

FCC Test Report

FCC ID : PPQ-V723
Equipment : Wi-Fi Outdoor Bullet Camera
Brand Name : ALARM.COM
Model Name : ADC-V723
Applicant : LITE-ON Technology Corp.
Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City,
23585 Taiwan
Manufacturer : Lite-On Network Communication (Dongguan) Limited
30#Keji Rd., Yin Hu Industrial Area, Qingxi
Town, DongGuan City, Guangdong, China
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 17, 2018, and testing was started from Apr. 20, 2019 and completed on May 21, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR8D1233AC	01	Initial issue of report	Jun. 10, 2019



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	DTS Bandwidth	PASS	≥500kHz
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Power [dBm]: 30
3.4	15.247(e)	Power Spectral Density	PASS	PSD [dBm/3kHz]: 8
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: > 30 dBc
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Jackson Tsai

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

Note:

- ◆ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ◆ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Lite-on	3010001121L7	Dipole antenna	I-PEX
2	Lite-on	3010001122L7	Dipole antenna	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	5.1	5.6	5.1
2	2	3.5	5.5	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

Support diversity function and pre-tested on each single chain, the worst case was Ant. 1(port 1) and it was record in this test report.

For BT function:

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

Support diversity function, the Ant. 1 (port 1) was declared to be tested only by customer.

For 5GHz function:

For IEEE 802.11 a/an/ac mode (2TX/2RX)

Support diversity function, Support diversity function and pre-tested on each single chain, the worst case was Ant. 1(port 1) and it was record in this test report.



1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Type of EUT				
<input checked="" type="checkbox"/>	Stand-alone			
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:		...	
<input type="checkbox"/>	Other:			

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.995	0.02	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11g	0.968	0.14	12.725m	100
802.11n HT20	0.968	0.14	9.881m	300
802.11n HT40	0.925	0.34	947.5u	3k

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



1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location		
<input checked="" type="checkbox"/>	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.		
<input type="checkbox"/>	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.) TEL : 886-3-656-9065 FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.		

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Clara	23.3~23.9°C / 63~66%	21/Apr/2019~15/May/2019
Radiated	03CH02-HY	Patrick	23.5~24.9°C / 52.3~54.5%	20/Apr/2019~14/May/2019
AC Conduction	CO01-HY	Jeff	22.2-25.8°C / 52.2-57.1%	21/May/2019

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode




Test Software Version	Dos
-----------------------	-----

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	36,36
2417MHz	40,40
2437MHz	40,40
2462MHz	41,41
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	42,42
2417MHz	43,43
2437MHz	55,55
2457MHz	44,44
2462MHz	42,42
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	42,42
2417MHz	43,43
2437MHz	55,55
2457MHz	44,44
2462MHz	42,42
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	35,35
2427MHz	35,35
2437MHz	38,38
2447MHz	36,36
2452MHz	34,34

2.3 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
Operating Mode	CTX
1	Adapter mode

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

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



2.4 Accessories and Support Equipment

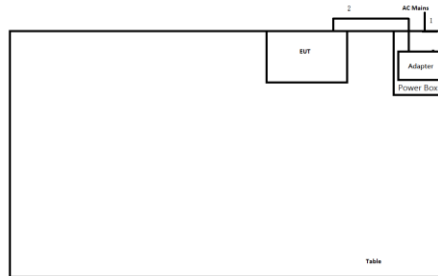
Accessories				
AC Adapter	Brand Name	Asian Power Devices Inc.	Model Name	WB-12G12FU
	Power Rating	I/P: 100 - 240Vac, 0.3 A Max, O/P: 12 Vdc, 1A		
	Power Cord	3 meter, non-shielded cable, w/o ferrite core		

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

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

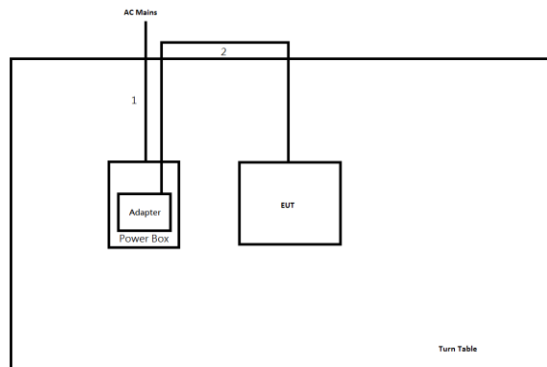
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	DC Power line	No	3.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	DC Power line	No	3.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

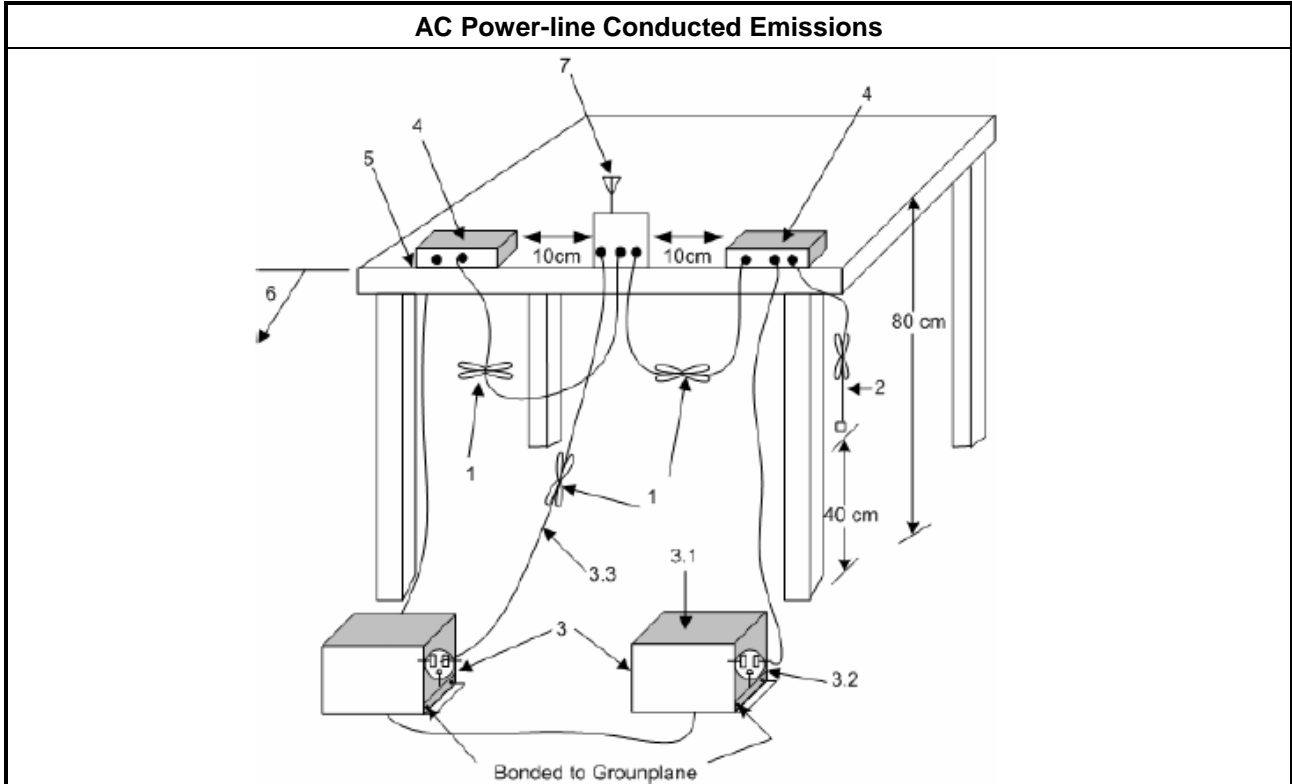
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

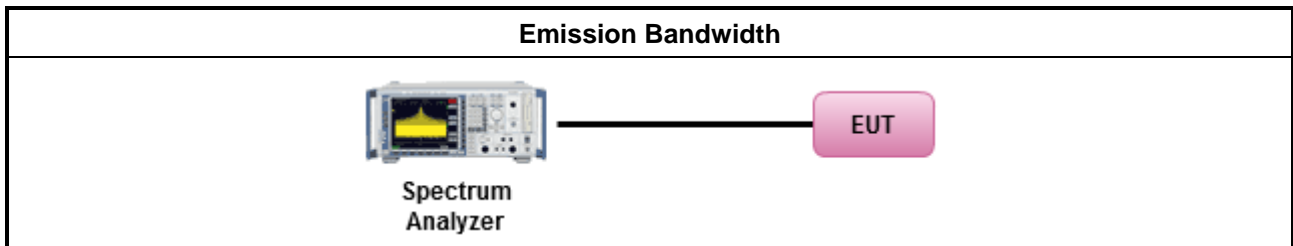
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
<input type="checkbox"/>	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS)
	<ul style="list-style-type: none"> - Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
<p>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

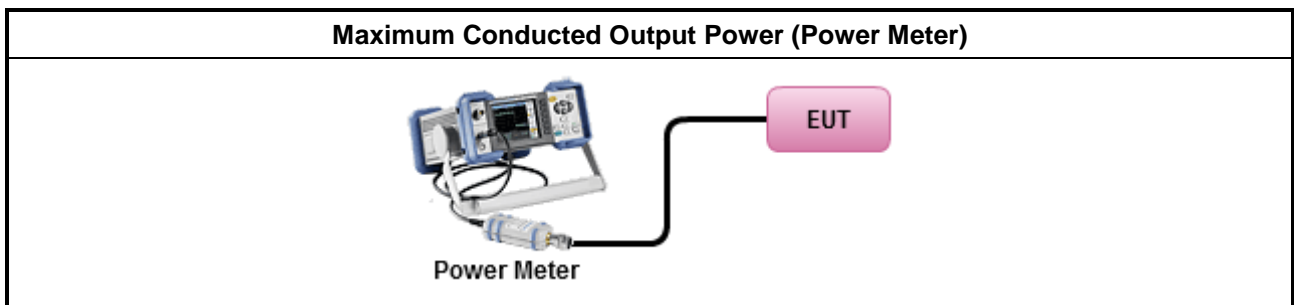
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
<ul style="list-style-type: none"> ▪ Maximum Average Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. 	
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

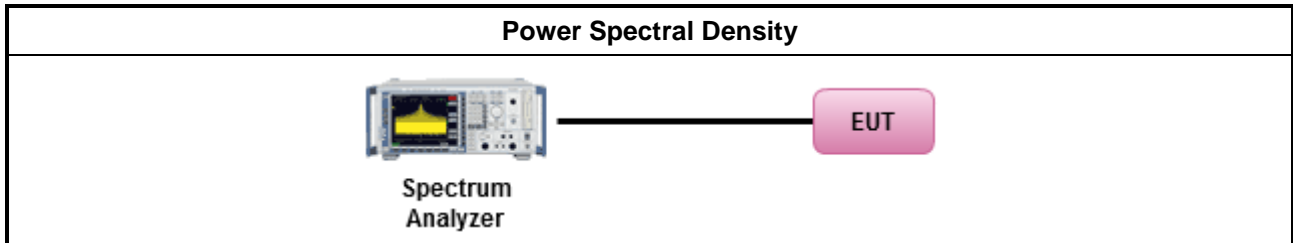
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
<input checked="" type="checkbox"/> Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.
<ul style="list-style-type: none"> For conducted measurement.
<ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

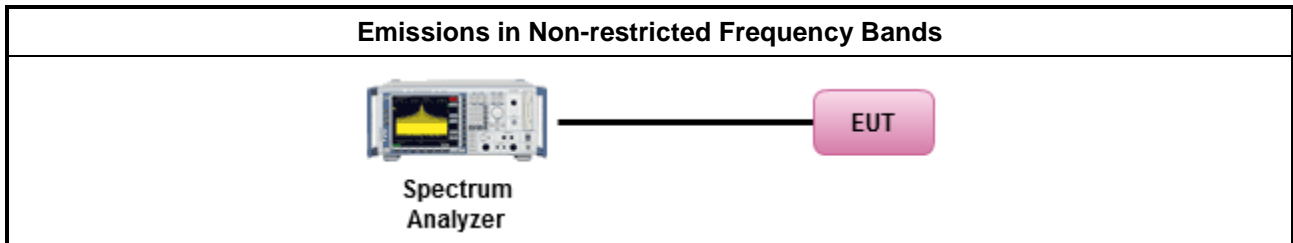
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

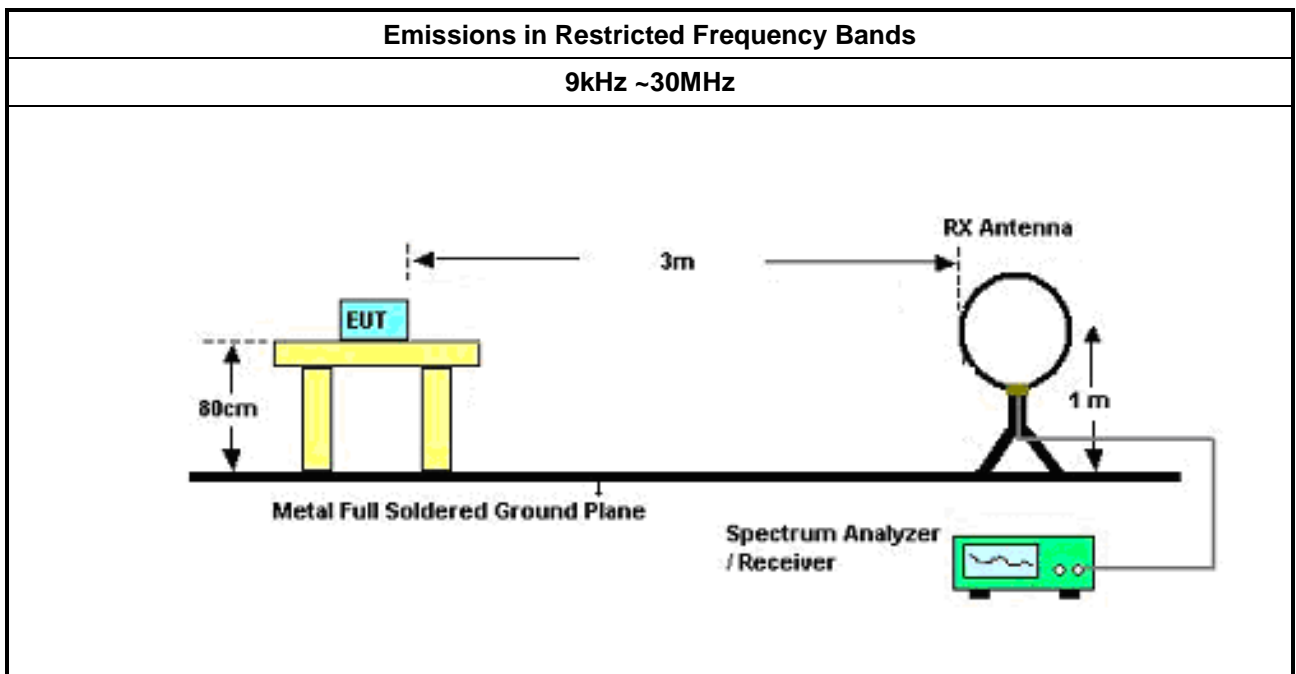
3.6.2 Measuring Instruments

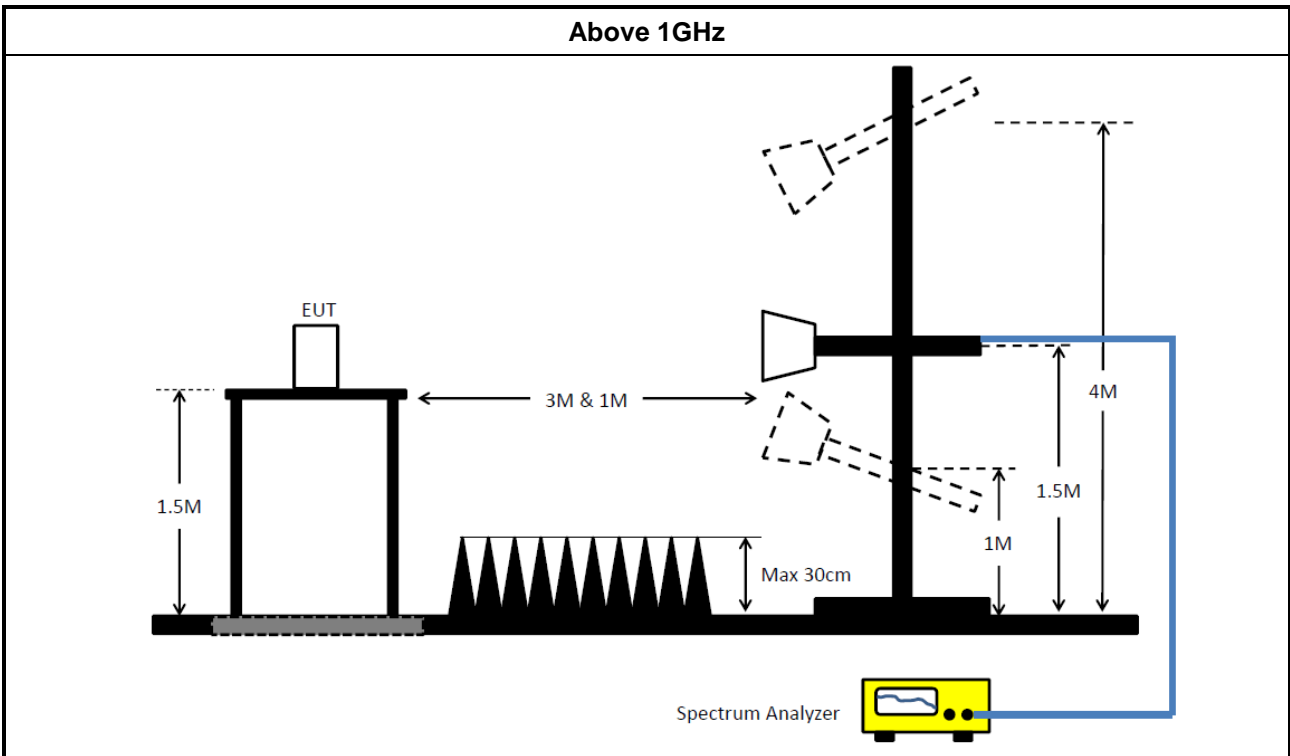
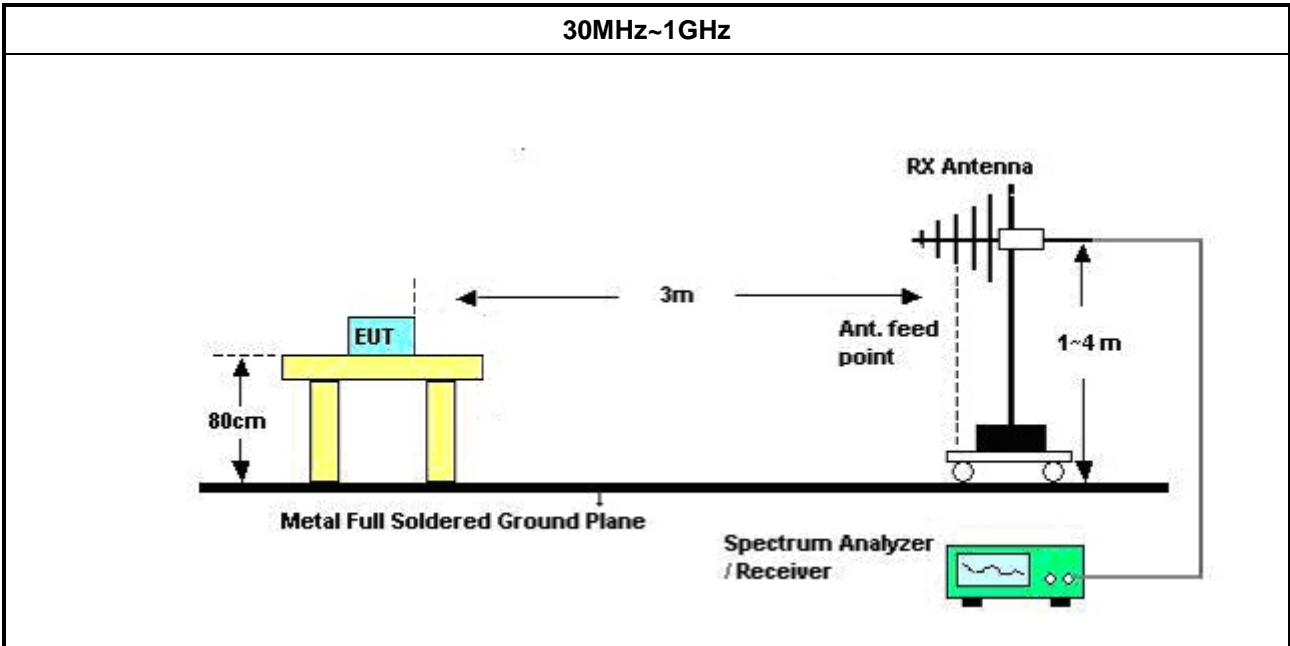
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. 	
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
<ul style="list-style-type: none"> For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
<ul style="list-style-type: none"> Use the following spectrum analyzer settings: 	
	<ul style="list-style-type: none"> Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	<ul style="list-style-type: none"> Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.

3.6.4 Test Setup





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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV 216	101274	9kHz ~ 30MHz	12/Jun/2018	11/Jun/2019
RF Cable-CON	MTJ	RG142	CB001-CO	9kHz ~ 30MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11003G	F308010045	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561F	9495	9kHz ~ 30MHz	11/Oct/2018	10/Oct/2019

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	19/Oct/2018	18/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Microwave Preampifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	18/Jan/2019	17/Jan/2020
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	18/Jan/2019	17/Jan/2020
Bilog Antenna	SCHAFFNER	CBL6111C	2737	30MHz ~ 1GHz	02/Oct/2018	03/Oct/2019



Instrument for Conducted Test

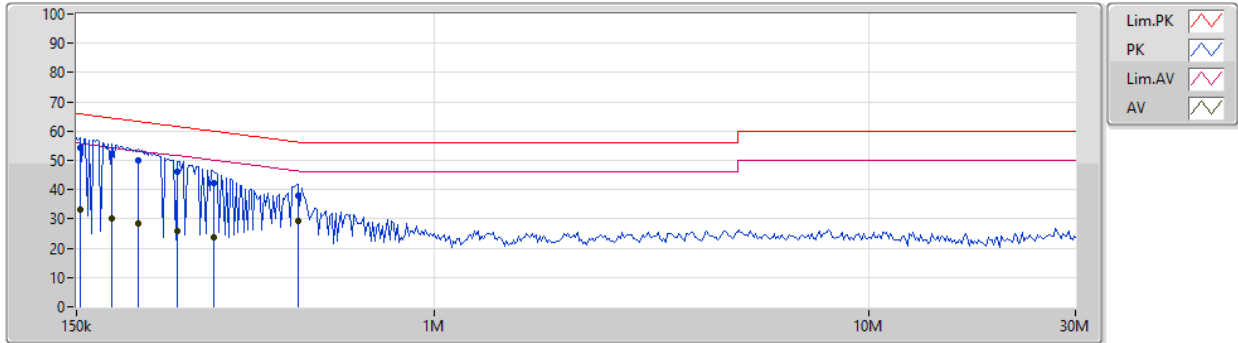
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~18GHz	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz~18GHz	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable - 05	30MHz~18GHz	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		

21/05/2019



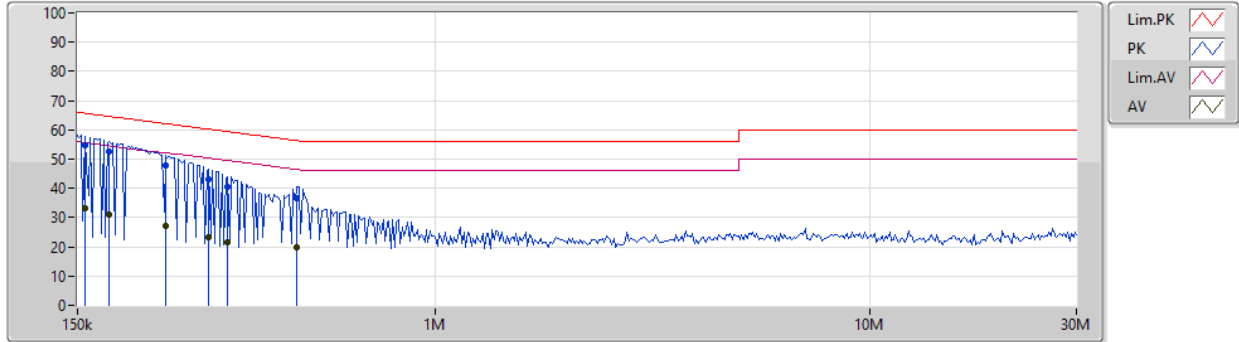
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	153.015k	54.33	65.83	-11.50	19.52	Neutral	"Worst"	34.81	9.65	0.01	9.86
AV	153.015k	33.34	55.83	-22.49	19.52	Neutral	-	13.82	9.65	0.01	9.86
QP	181.216k	51.97	64.43	-12.46	19.51	Neutral	-	32.46	9.64	0.01	9.86
AV	181.216k	30.19	54.43	-24.24	19.51	Neutral	-	10.68	9.64	0.01	9.86
QP	208.304k	49.93	63.27	-13.34	19.51	Neutral	-	30.42	9.64	0.01	9.86
AV	208.304k	28.65	53.27	-24.62	19.51	Neutral	-	9.14	9.64	0.01	9.86
QP	256.712k	46.27	61.54	-15.27	19.51	Neutral	-	26.76	9.64	0.01	9.86
AV	256.712k	25.97	51.54	-25.57	19.51	Neutral	-	6.46	9.64	0.01	9.86
QP	310.136k	42.32	59.96	-17.64	19.51	Neutral	-	22.81	9.64	0.01	9.86
AV	310.136k	23.70	49.96	-26.26	19.51	Neutral	-	4.19	9.64	0.01	9.86
QP	485.303k	38.11	56.25	-18.14	19.51	Neutral	-	18.60	9.64	0.01	9.86
AV	485.303k	29.41	46.25	-16.84	19.51	Neutral	-	9.90	9.64	0.01	9.86



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter mode		

21/05/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	156.091k	54.53	65.67	-11.14	19.48	Line	"Worst"	35.05	9.61	0.01	9.86
AV	156.091k	33.32	55.67	-22.35	19.48	Line	-	13.84	9.61	0.01	9.86
QP	177.646k	52.46	64.59	-12.13	19.48	Line	-	32.98	9.61	0.01	9.86
AV	177.646k	31.06	54.59	-23.53	19.48	Line	-	11.58	9.61	0.01	9.86
QP	239.44k	48.04	62.12	-14.08	19.48	Line	-	28.56	9.61	0.01	9.86
AV	239.44k	27.02	52.12	-25.10	19.48	Line	-	7.54	9.61	0.01	9.86
QP	301.015k	43.14	60.21	-17.07	19.48	Line	-	23.66	9.61	0.01	9.86
AV	301.015k	23.39	50.21	-26.82	19.48	Line	-	3.91	9.61	0.01	9.86
QP	332.507k	40.68	59.38	-18.70	19.48	Line	-	21.20	9.61	0.01	9.86
AV	332.507k	21.50	49.38	-27.88	19.48	Line	-	2.02	9.61	0.01	9.86
QP	480.498k	36.58	56.33	-19.75	19.48	Line	-	17.10	9.61	0.01	9.86
AV	480.498k	20.03	46.33	-26.30	19.48	Line	-	0.55	9.61	0.01	9.86



Summary

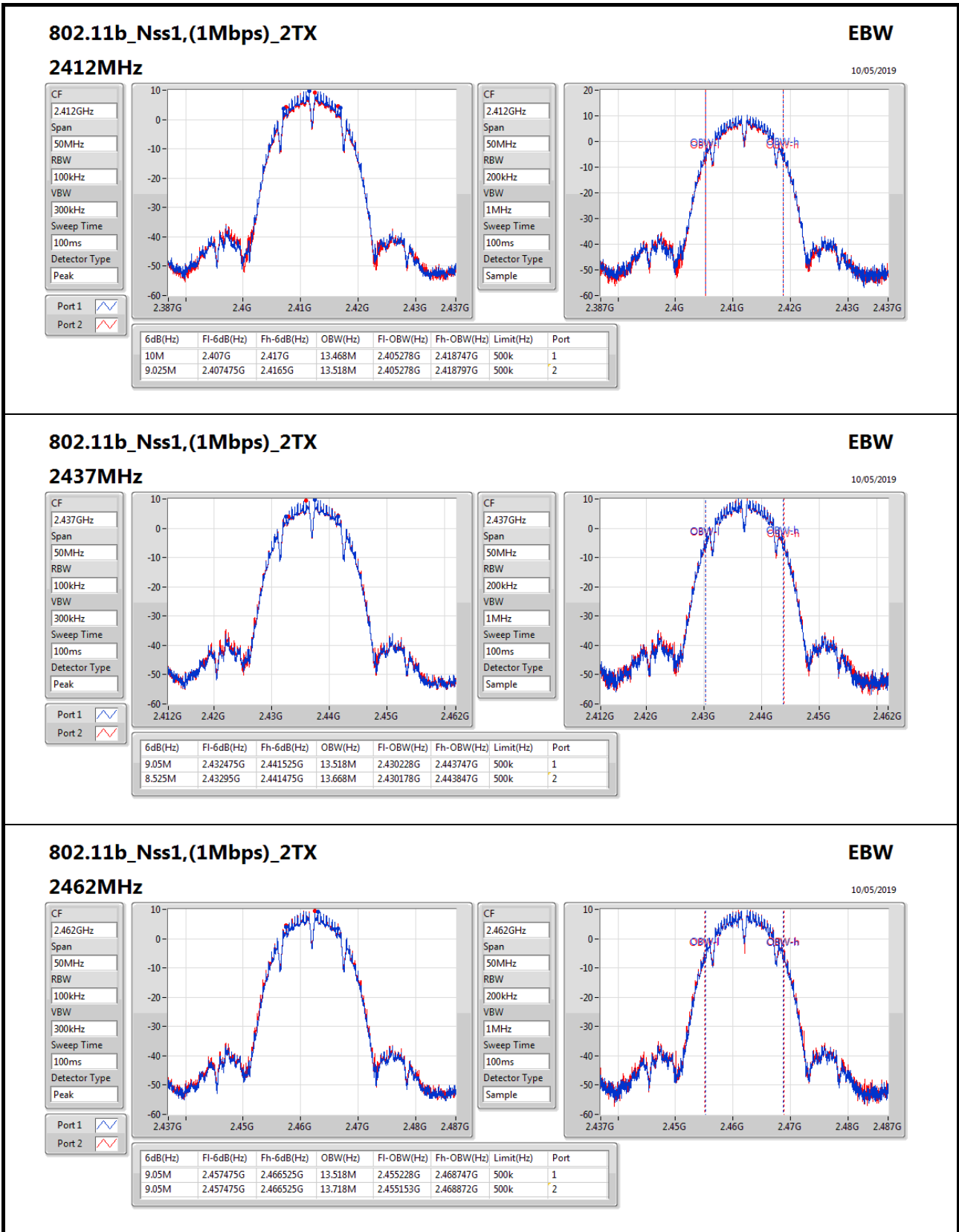
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	10M	13.718M	13M7G1D	8.525M	13.468M
802.11g_Nss1,(6Mbps)_2TX	16.3M	20.915M	20M9D1D	15.975M	16.492M
802.11n HT20_Nss1,(MCS0)_2TX	16.975M	20.865M	20M9D1D	15.125M	17.591M
802.11n HT40_Nss1,(MCS0)_2TX	36.05M	36.282M	36M3D1D	35.3M	36.132M

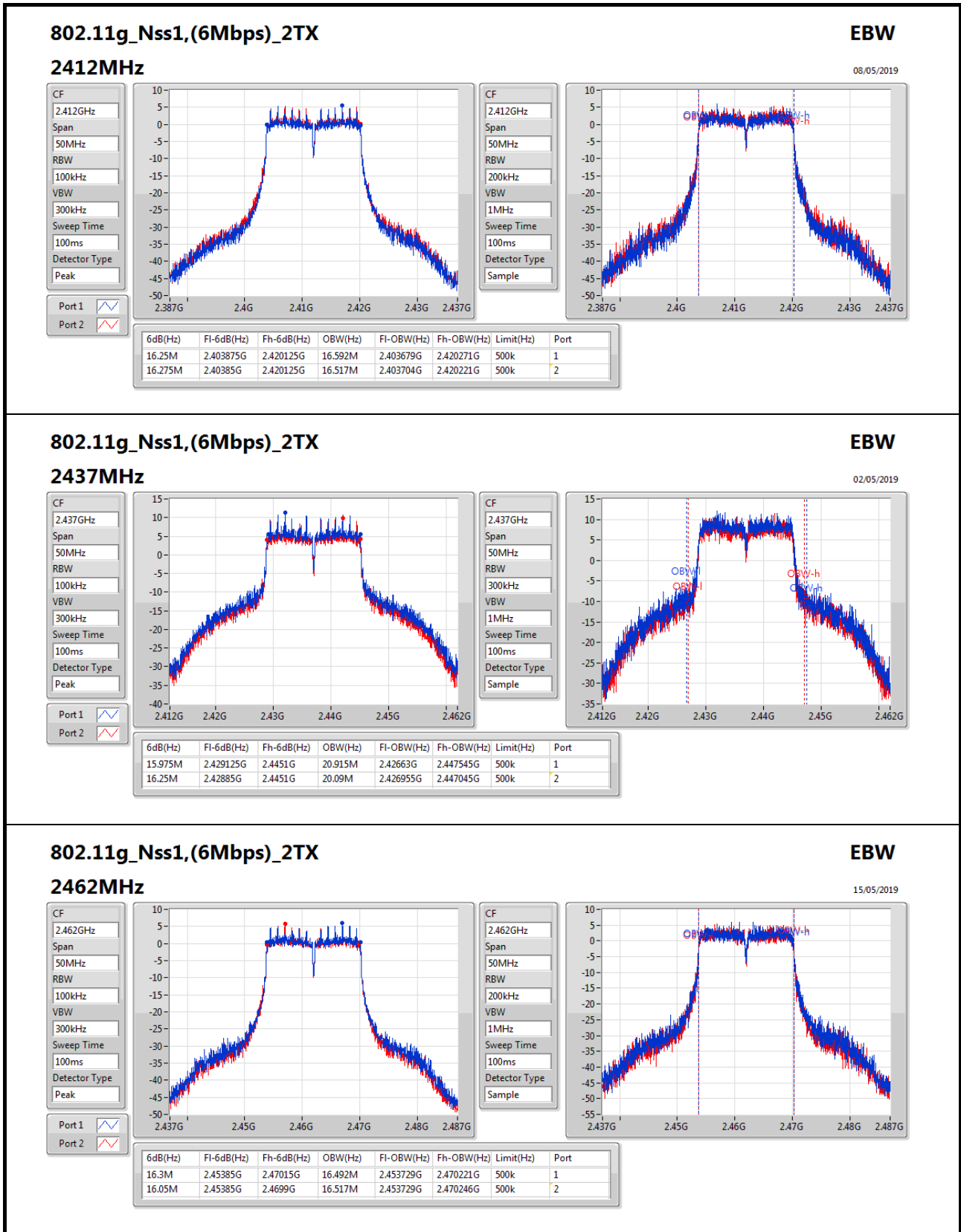
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

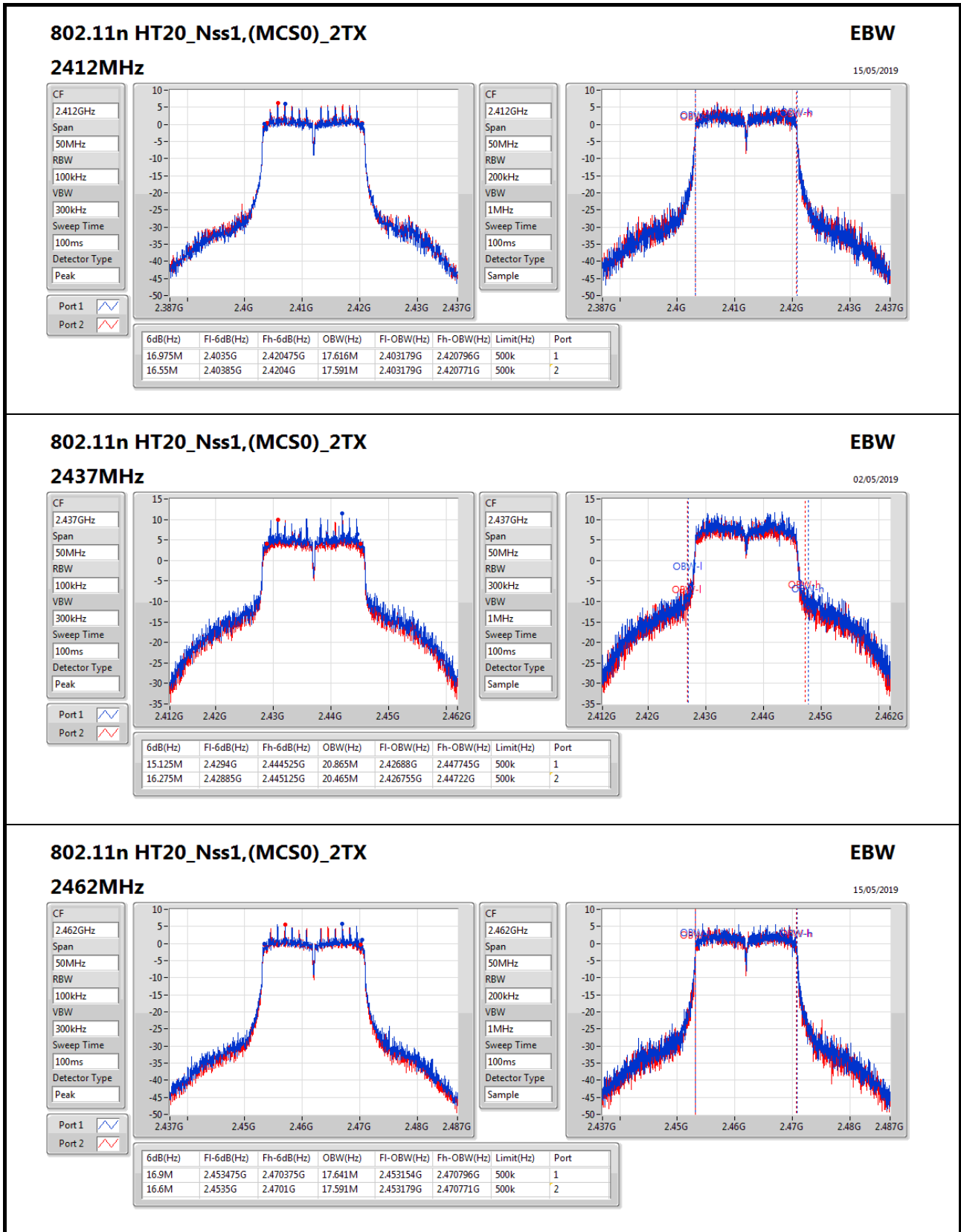
Result

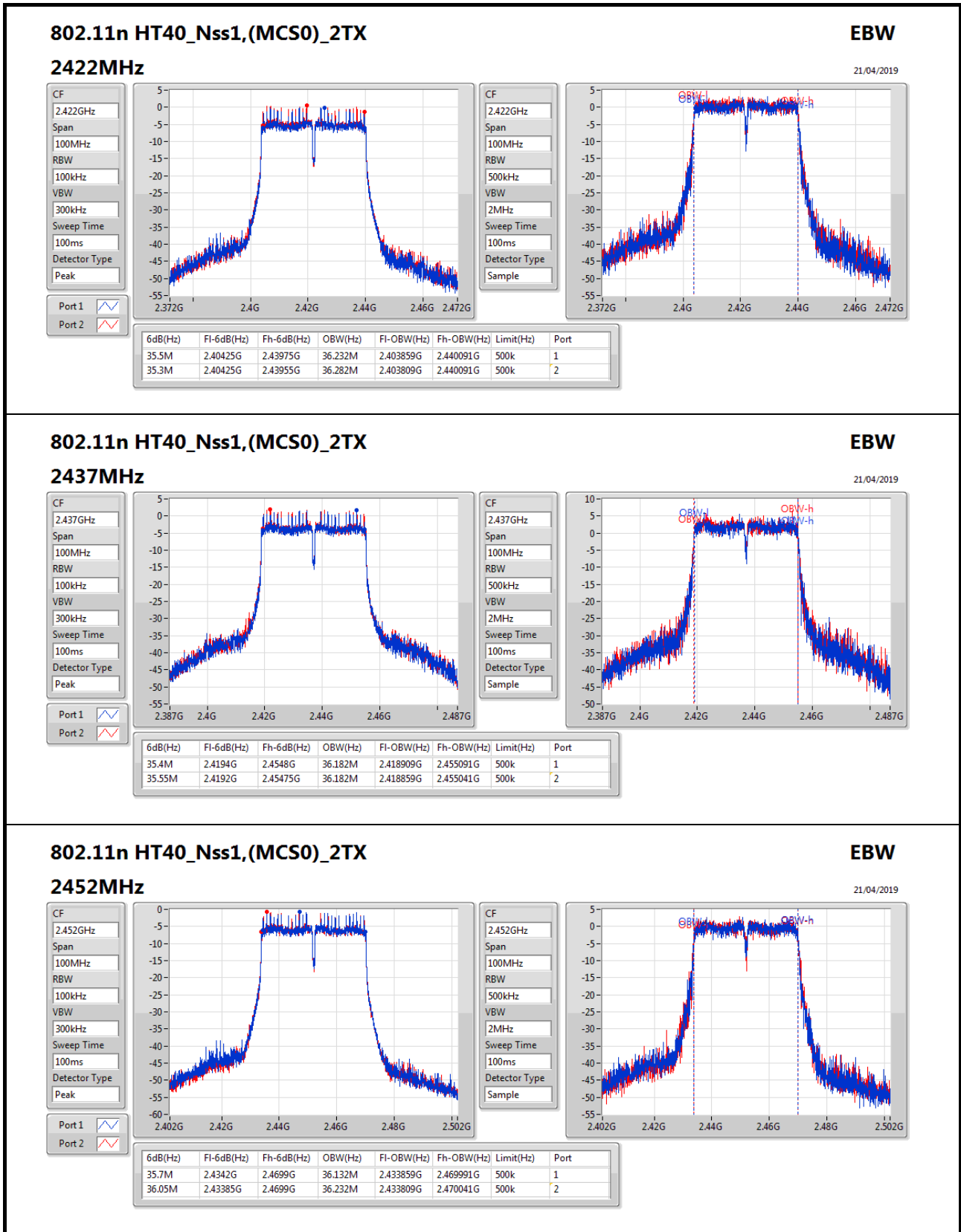
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	10M	13.468M	9.025M	13.518M
2437MHz_TnomVnom	Pass	500k	9.05M	13.518M	8.525M	13.668M
2462MHz_TnomVnom	Pass	500k	9.05M	13.518M	9.05M	13.718M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.25M	16.592M	16.275M	16.517M
2437MHz_TnomVnom	Pass	500k	15.975M	20.915M	16.25M	20.09M
2462MHz_TnomVnom	Pass	500k	16.3M	16.492M	16.05M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.975M	17.616M	16.55M	17.591M
2437MHz_TnomVnom	Pass	500k	15.125M	20.865M	16.275M	20.465M
2462MHz_TnomVnom	Pass	500k	16.9M	17.641M	16.6M	17.591M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	35.5M	36.232M	35.3M	36.282M
2437MHz_TnomVnom	Pass	500k	35.4M	36.182M	35.55M	36.182M
2452MHz_TnomVnom	Pass	500k	35.7M	36.132M	36.05M	36.232M

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











Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	21.89	0.15453
802.11g_Nss1,(6Mbps)_2TX	24.21	0.26363
802.11n HT20_Nss1,(MCS0)_2TX	24.06	0.25468
802.11n HT40_Nss1,(MCS0)_2TX	18.53	0.07129

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.10	18.32	17.80	21.08	30.00
2417MHz_TnomVnom	Pass	5.10	18.98	18.77	21.89	30.00
2437MHz_TnomVnom	Pass	5.10	18.38	18.28	21.34	30.00
2462MHz_TnomVnom	Pass	5.10	18.20	18.34	21.28	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.10	16.32	16.67	19.51	30.00
2417MHz_TnomVnom	Pass	5.10	17.43	16.44	19.97	30.00
2437MHz_TnomVnom	Pass	5.10	21.56	20.80	24.21	30.00
2457MHz_TnomVnom	Pass	5.10	17.65	16.68	20.20	30.00
2462MHz_TnomVnom	Pass	5.10	16.78	16.58	19.69	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.10	16.70	17.02	19.87	30.00
2417MHz_TnomVnom	Pass	5.10	17.23	16.63	19.95	30.00
2437MHz_TnomVnom	Pass	5.10	21.42	20.65	24.06	30.00
2457MHz_TnomVnom	Pass	5.10	17.12	17.01	20.08	30.00
2462MHz_TnomVnom	Pass	5.10	16.61	16.36	19.50	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	5.10	13.92	14.13	17.04	30.00
2427MHz_TnomVnom	Pass	5.10	13.67	12.79	16.26	30.00
2437MHz_TnomVnom	Pass	5.10	15.29	15.74	18.53	30.00
2447MHz_TnomVnom	Pass	5.10	14.16	13.30	16.76	30.00
2452MHz_TnomVnom	Pass	5.10	13.23	13.38	16.32	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.82
802.11g_Nss1,(6Mbps)_2TX	-3.05
802.11n HT20_Nss1,(MCS0)_2TX	-3.38
802.11n HT40_Nss1,(MCS0)_2TX	-11.01

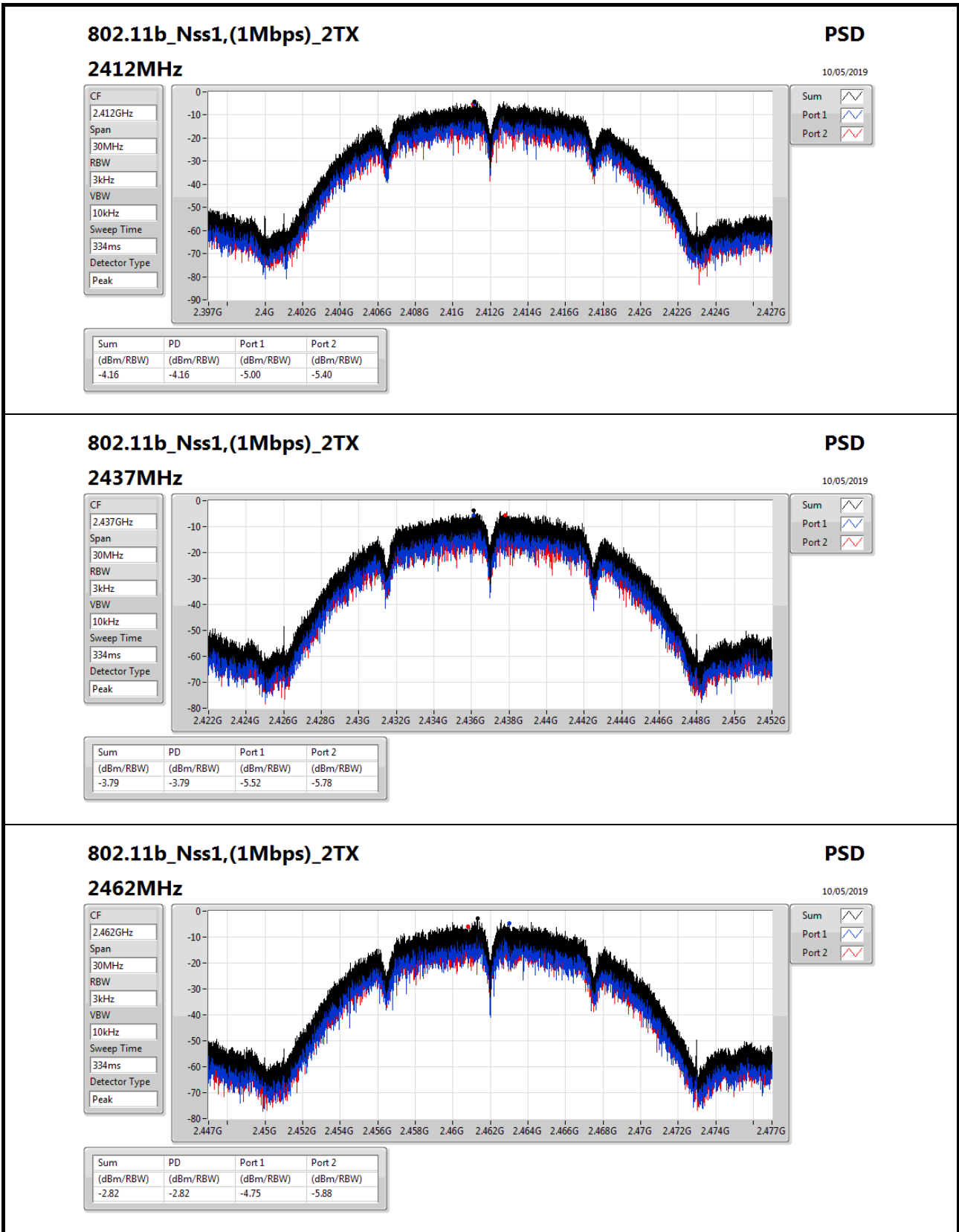
RBW=3kHz.

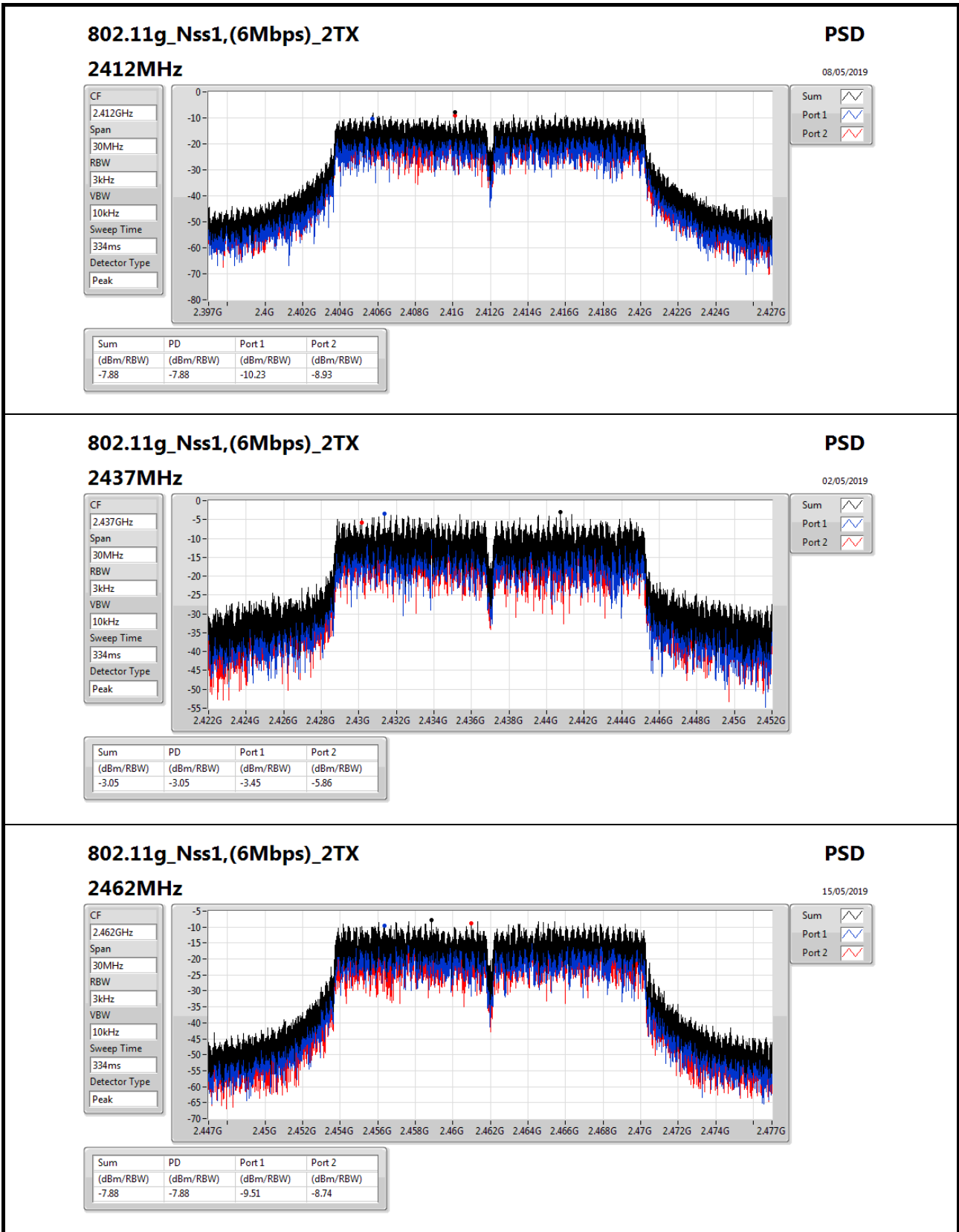
Result

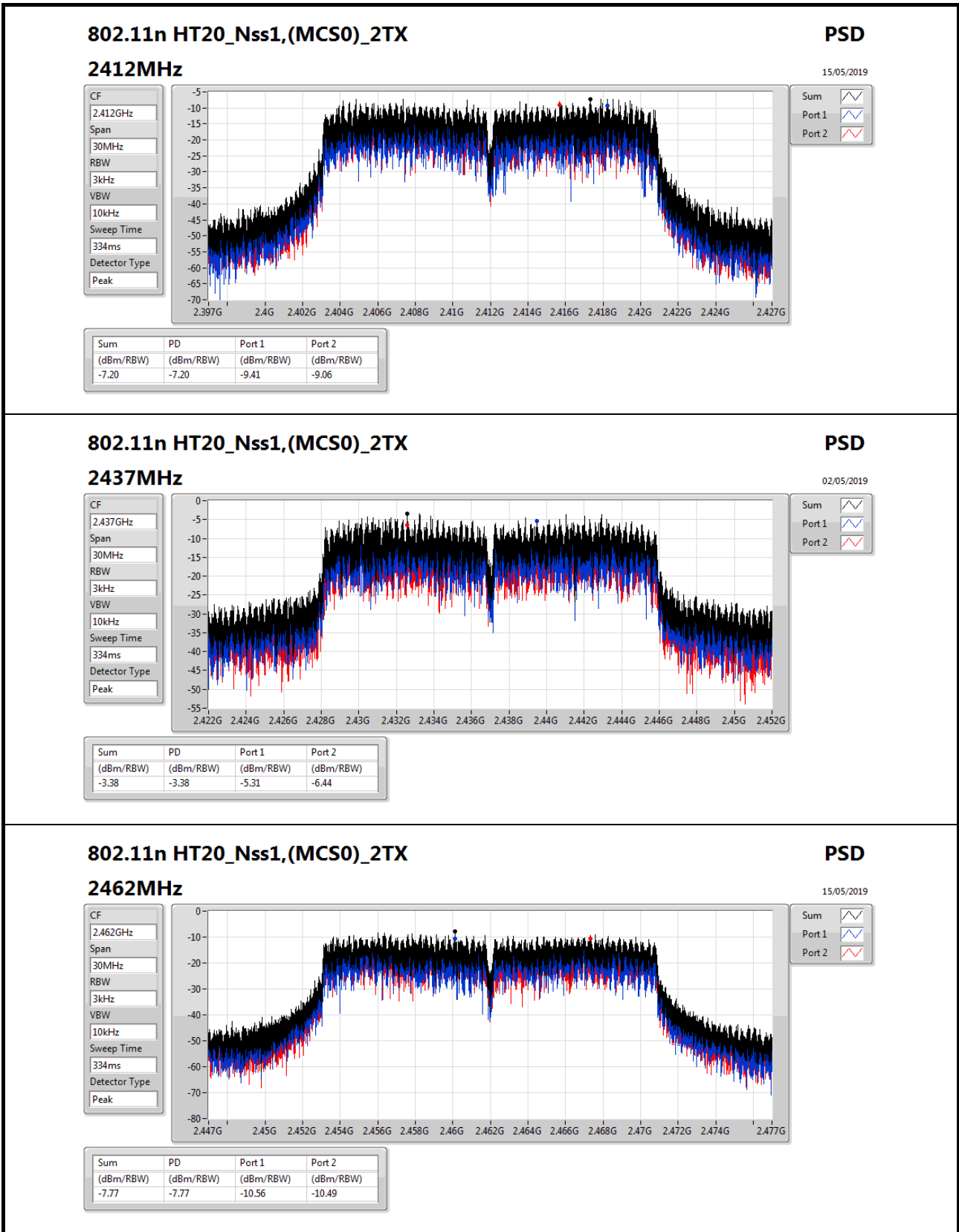
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.35	-5.00	-5.40	-4.16	6.65
2437MHz_TnomVnom	Pass	7.35	-5.52	-5.78	-3.79	6.65
2462MHz_TnomVnom	Pass	7.35	-4.75	-5.88	-2.82	6.65
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.35	-10.23	-8.93	-7.88	6.65
2437MHz_TnomVnom	Pass	7.35	-3.45	-5.86	-3.05	6.65
2462MHz_TnomVnom	Pass	7.35	-9.51	-8.74	-7.88	6.65
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.35	-9.41	-9.06	-7.20	6.65
2437MHz_TnomVnom	Pass	7.35	-5.31	-6.44	-3.38	6.65
2462MHz_TnomVnom	Pass	7.35	-10.56	-10.49	-7.77	6.65
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	7.35	-14.54	-14.58	-12.13	6.65
2437MHz_TnomVnom	Pass	7.35	-13.56	-13.70	-11.01	6.65
2452MHz_TnomVnom	Pass	7.35	-16.05	-16.08	-13.12	6.65

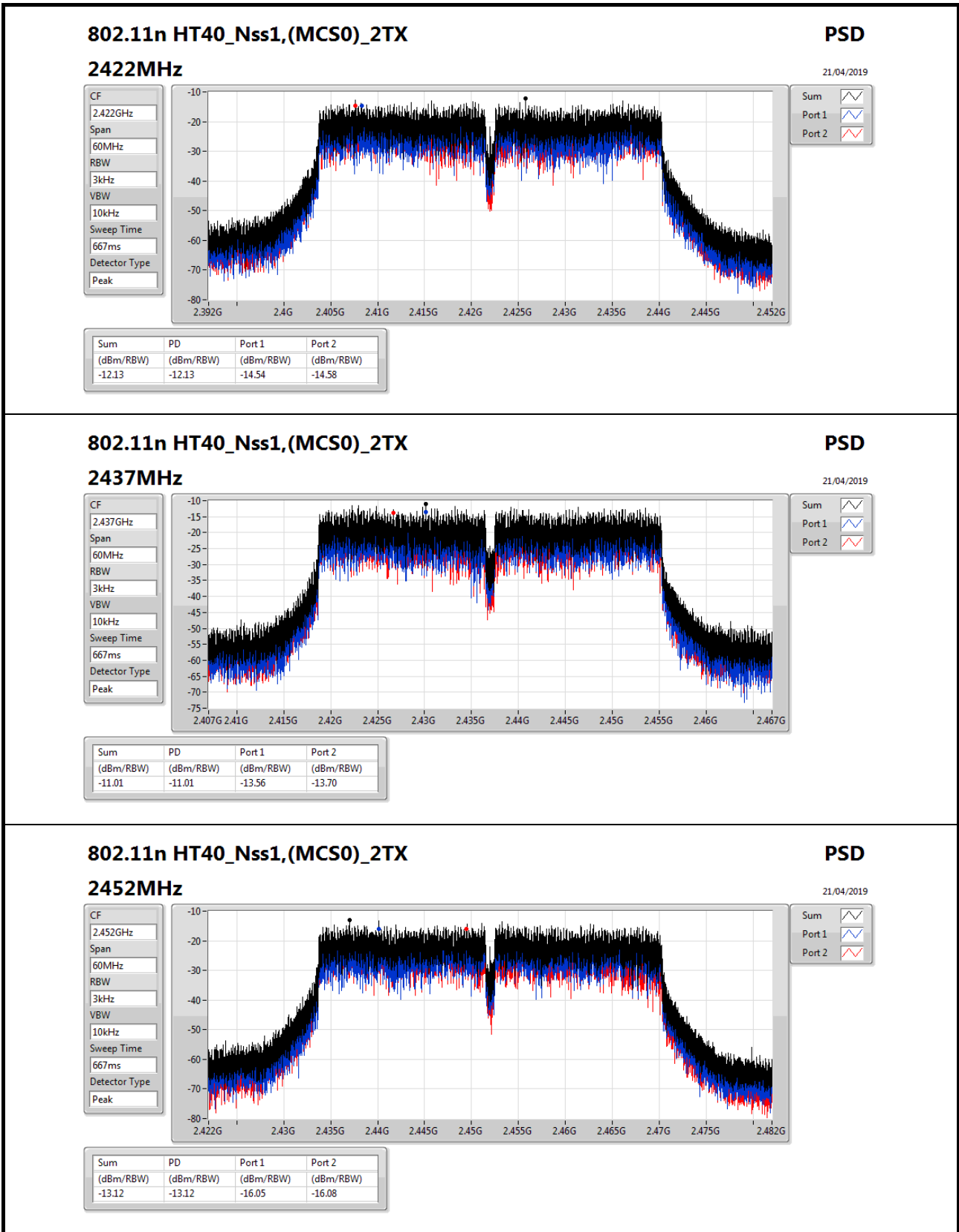
DG = Directional Gain; RBW=3kHz;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port Xpower density;









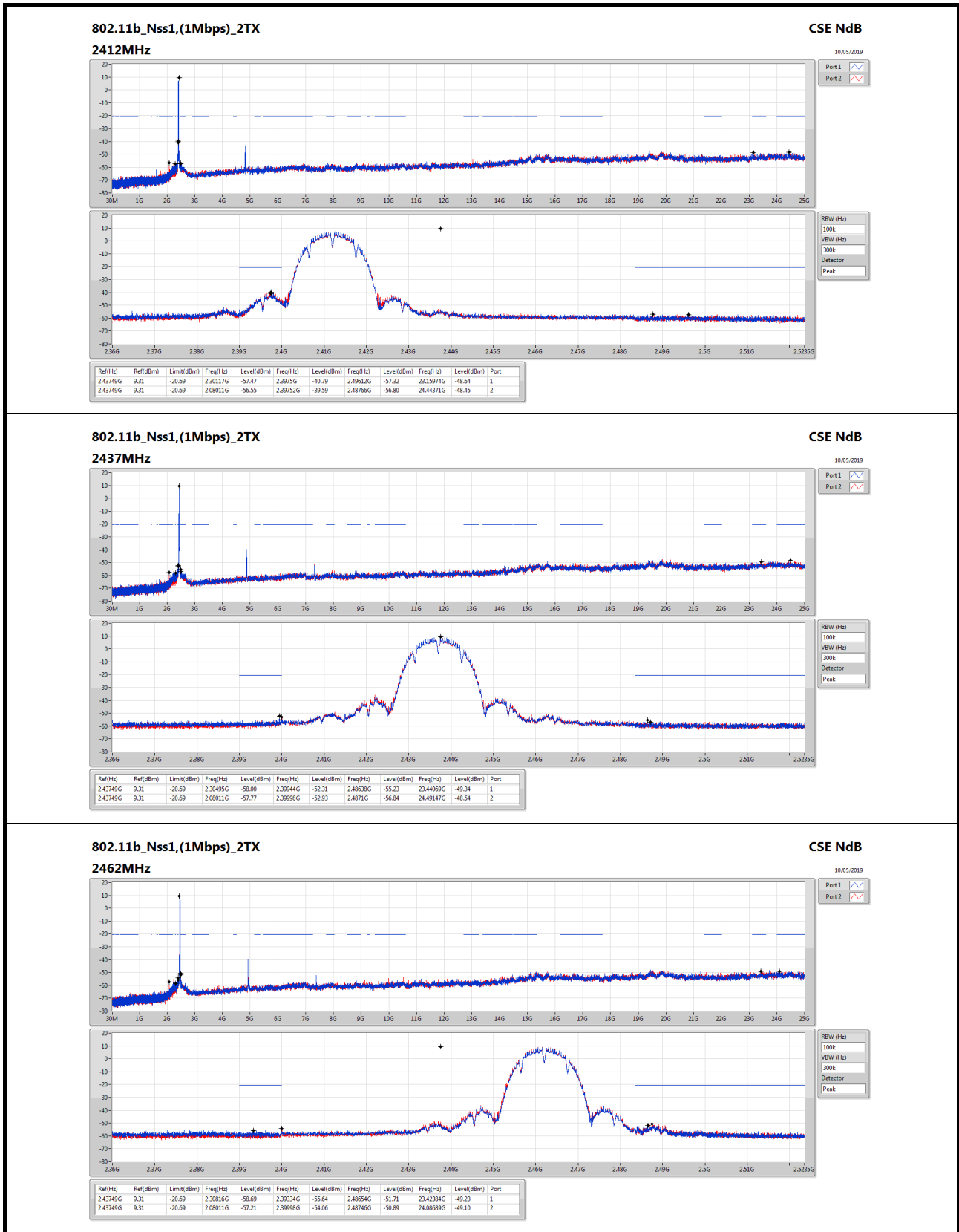


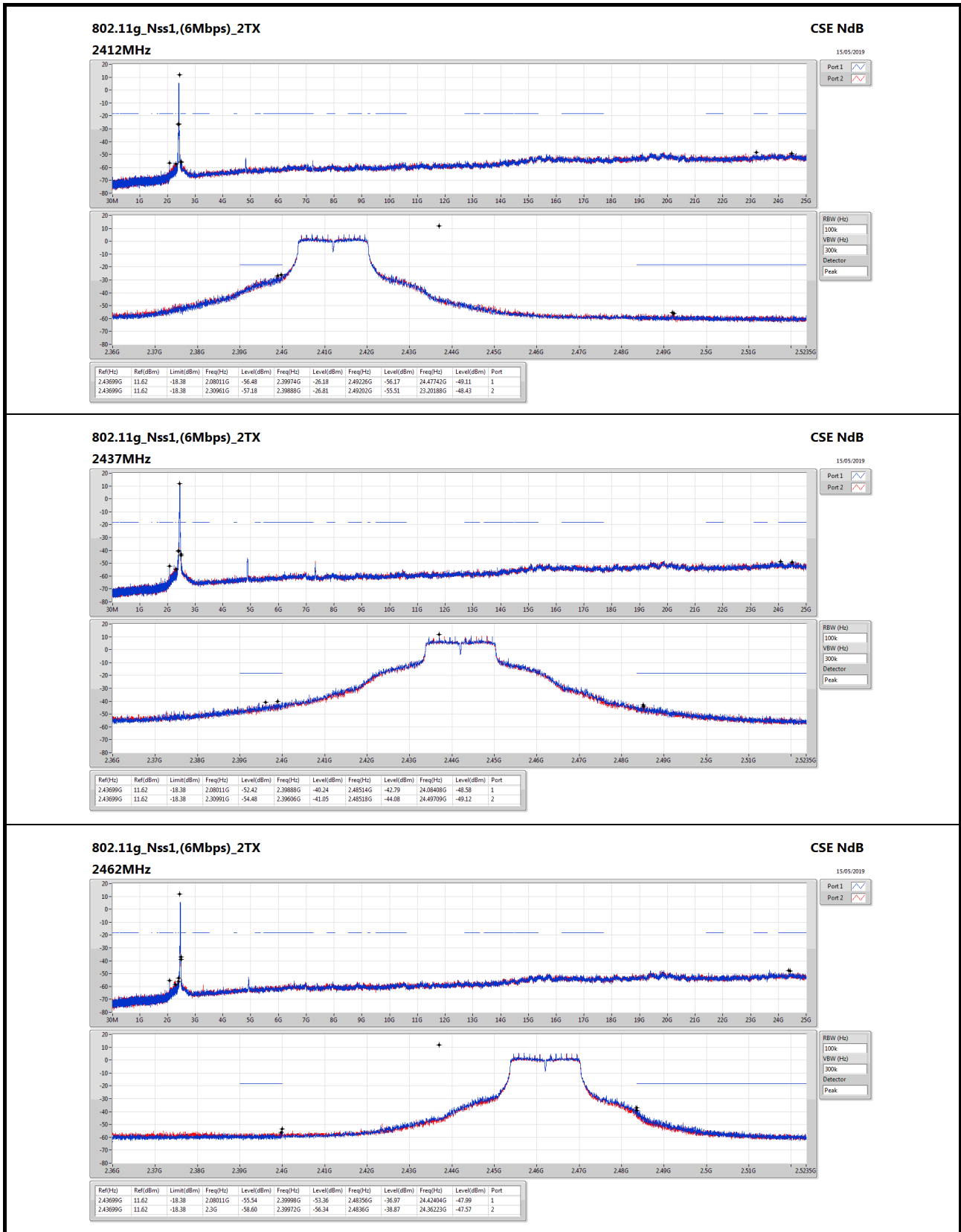
Summary

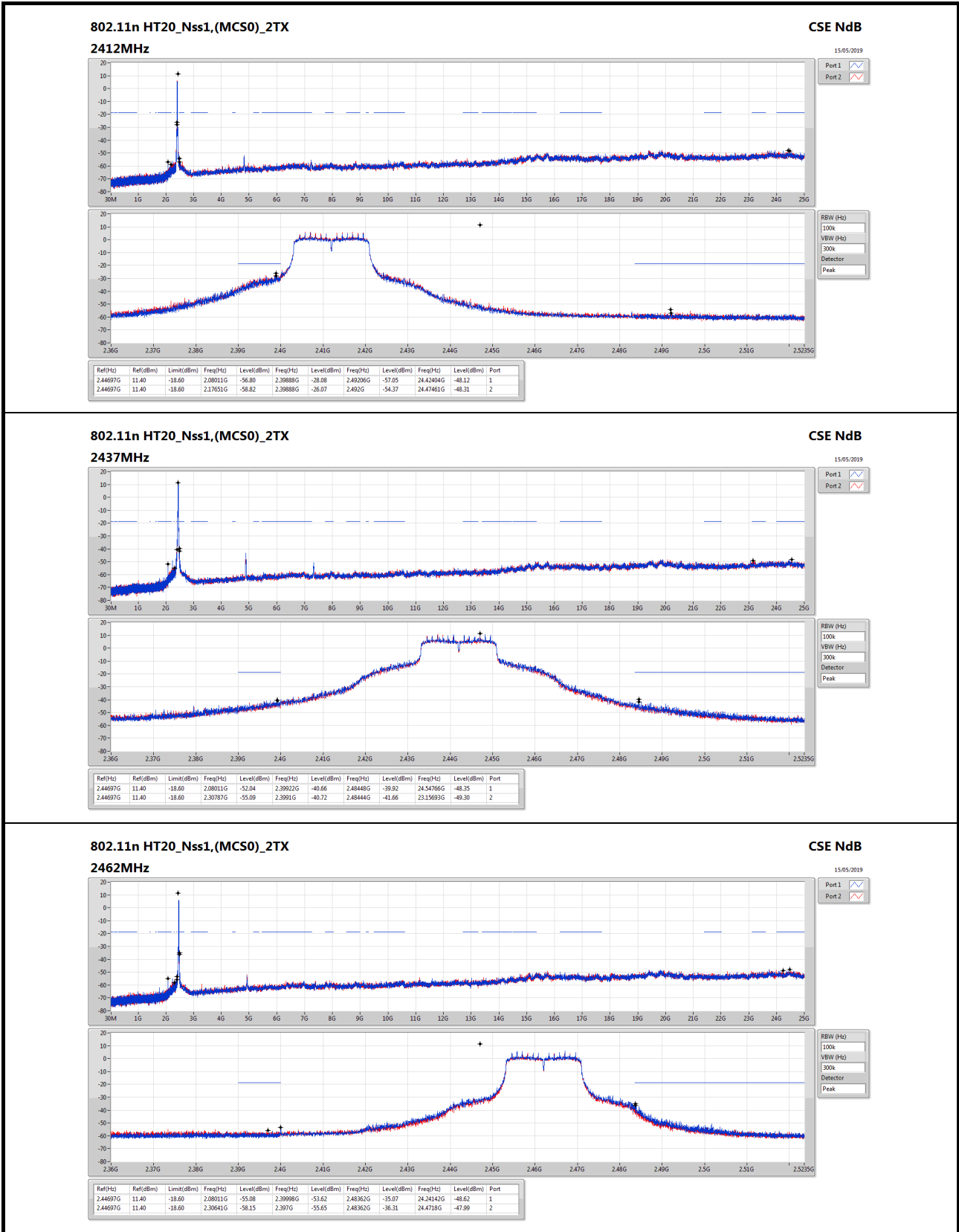
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43749G	9.31	-20.69	2.08011G	-56.55	2.39752G	-39.59	2.48766G	-56.80	24.44371G	-48.45	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43699G	11.62	-18.38	2.08011G	-56.48	2.39974G	-26.18	2.49226G	-56.17	24.47742G	-49.11	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.44697G	11.40	-18.60	2.17651G	-58.82	2.39888G	-26.07	2.492G	-54.37	24.47461G	-48.31	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.43449G	0.30	-29.70	2.30082G	-60.39	2.39972G	-34.18	2.49286G	-57.07	23.44627G	-49.72	2

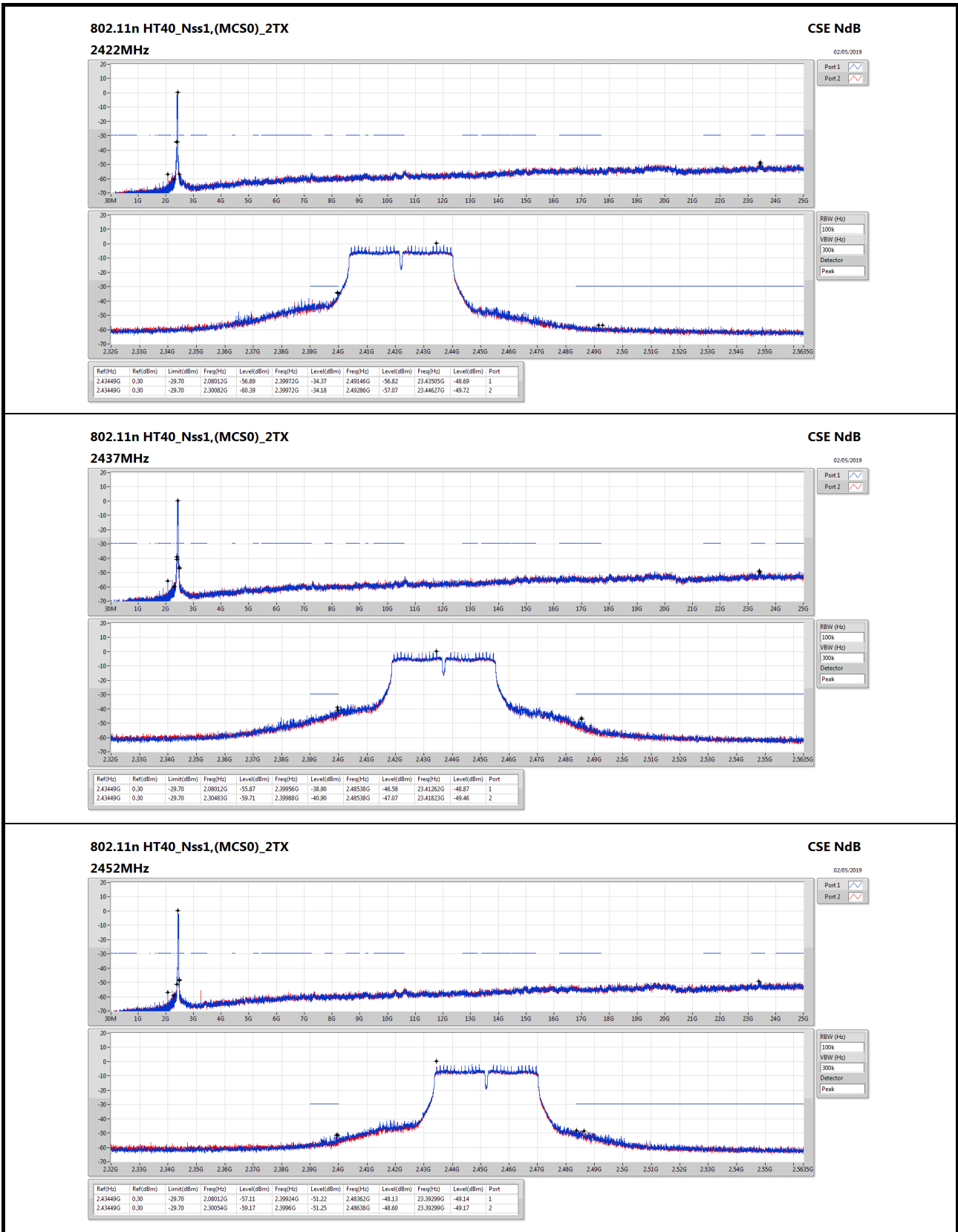
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43749G	9.31	-20.69	2.30117G	-57.47	2.3975G	-40.79	2.49612G	-57.32	23.15974G	-48.64	1
2412MHz_TnomVnom	Pass	2.43749G	9.31	-20.69	2.08011G	-56.55	2.39752G	-39.59	2.48766G	-56.80	24.44371G	-48.45	2
2437MHz_TnomVnom	Pass	2.43749G	9.31	-20.69	2.30495G	-58.00	2.39944G	-52.31	2.48638G	-55.23	23.44069G	-49.34	1
2437MHz_TnomVnom	Pass	2.43749G	9.31	-20.69	2.08011G	-57.77	2.39998G	-52.93	2.4871G	-56.84	24.49147G	-48.54	2
2462MHz_TnomVnom	Pass	2.43749G	9.31	-20.69	2.30816G	-58.69	2.39334G	-55.64	2.48654G	-51.71	23.42384G	-49.23	1
2462MHz_TnomVnom	Pass	2.43749G	9.31	-20.69	2.08011G	-57.21	2.39998G	-54.06	2.48746G	-50.89	24.08689G	-49.10	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43699G	11.62	-18.38	2.08011G	-56.48	2.39974G	-26.18	2.49226G	-56.17	24.47742G	-49.11	1
2412MHz_TnomVnom	Pass	2.43699G	11.62	-18.38	2.30961G	-57.18	2.39888G	-26.81	2.49202G	-55.51	23.20188G	-48.43	2
2437MHz_TnomVnom	Pass	2.43699G	11.62	-18.38	2.08011G	-52.42	2.39888G	-40.24	2.48514G	-42.79	24.08408G	-48.58	1
2437MHz_TnomVnom	Pass	2.43699G	11.62	-18.38	2.30991G	-54.48	2.39606G	-41.05	2.48518G	-44.08	24.49709G	-49.12	2
2462MHz_TnomVnom	Pass	2.43699G	11.62	-18.38	2.08011G	-55.54	2.39998G	-53.36	2.48356G	-36.97	24.42404G	-47.99	1
2462MHz_TnomVnom	Pass	2.43699G	11.62	-18.38	2.3G	-58.60	2.39972G	-56.34	2.4836G	-38.87	24.36223G	-47.57	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.44697G	11.40	-18.60	2.08011G	-56.80	2.39888G	-28.08	2.49206G	-57.05	24.42404G	-48.12	1
2412MHz_TnomVnom	Pass	2.44697G	11.40	-18.60	2.17651G	-58.82	2.39888G	-26.07	2.492G	-54.37	24.47461G	-48.31	2
2437MHz_TnomVnom	Pass	2.44697G	11.40	-18.60	2.08011G	-52.04	2.39922G	-40.66	2.48448G	-39.92	24.54766G	-48.35	1
2437MHz_TnomVnom	Pass	2.44697G	11.40	-18.60	2.30787G	-55.09	2.3991G	-40.72	2.48444G	-41.66	23.15693G	-49.30	2
2462MHz_TnomVnom	Pass	2.44697G	11.40	-18.60	2.08011G	-55.08	2.39998G	-53.62	2.48362G	-35.07	24.24142G	-48.62	1
2462MHz_TnomVnom	Pass	2.44697G	11.40	-18.60	2.30641G	-58.15	2.397G	-55.65	2.48362G	-36.31	24.4718G	-47.99	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43449G	0.30	-29.70	2.08012G	-56.89	2.39972G	-34.37	2.49146G	-56.82	23.43505G	-48.69	1
2422MHz_TnomVnom	Pass	2.43449G	0.30	-29.70	2.30082G	-60.39	2.39972G	-34.18	2.49286G	-57.07	23.44627G	-49.72	2
2437MHz_TnomVnom	Pass	2.43449G	0.30	-29.70	2.08012G	-55.87	2.39956G	-38.90	2.48538G	-46.58	23.41262G	-48.87	1
2437MHz_TnomVnom	Pass	2.43449G	0.30	-29.70	2.30483G	-59.71	2.39988G	-40.90	2.48538G	-47.07	23.41823G	-49.46	2
2452MHz_TnomVnom	Pass	2.43449G	0.30	-29.70	2.08012G	-57.11	2.39924G	-51.22	2.48362G	-48.13	23.39299G	-49.14	1
2452MHz_TnomVnom	Pass	2.43449G	0.30	-29.70	2.30054G	-59.17	2.3996G	-51.25	2.48638G	-48.60	23.39299G	-49.17	2




802.11g_Nss1,(6Mbps)_2TX
CSE NdB
Port 1
Port 2
RBW (Hz)
VBW (Hz)
Detector







Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	600.36M	41.27	46.00	-4.73	0.85	3	Vertical	360	1.00	-



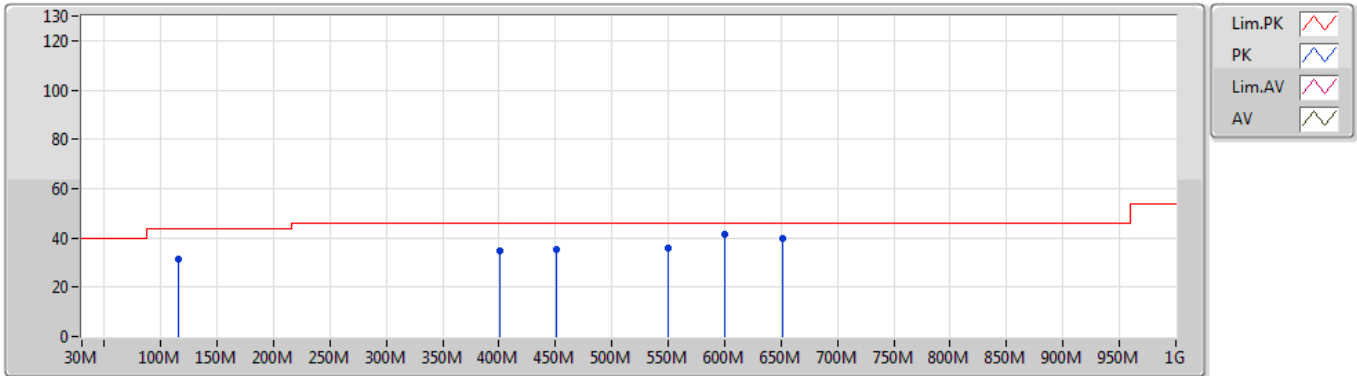
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	115.36M	31.45	43.50	-12.05	-8.80	3	Vertical	360	1.00	-
2437MHz	Pass	PK	400.54M	34.70	46.00	-11.30	-2.82	3	Vertical	360	1.00	-
2437MHz	Pass	PK	450.98M	35.38	46.00	-10.62	-1.73	3	Vertical	360	1.00	-
2437MHz	Pass	PK	549.92M	36.01	46.00	-9.99	0.31	3	Vertical	360	1.00	-
2437MHz	Pass	PK	600.36M	41.27	46.00	-4.73	0.85	3	Vertical	360	1.00	-
2437MHz	Pass	PK	650.8M	40.00	46.00	-6.00	1.82	3	Vertical	360	1.00	-
2437MHz	Pass	PK	111.48M	30.25	43.50	-13.25	-9.06	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	350.1M	39.79	46.00	-6.21	-4.01	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	400.54M	37.16	46.00	-8.84	-2.82	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	450.98M	37.11	46.00	-8.89	-1.73	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	549.92M	40.80	46.00	-5.20	0.31	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	600.36M	40.87	46.00	-5.13	0.85	3	Horizontal	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

14/05/2019

2437MHz_Adapter

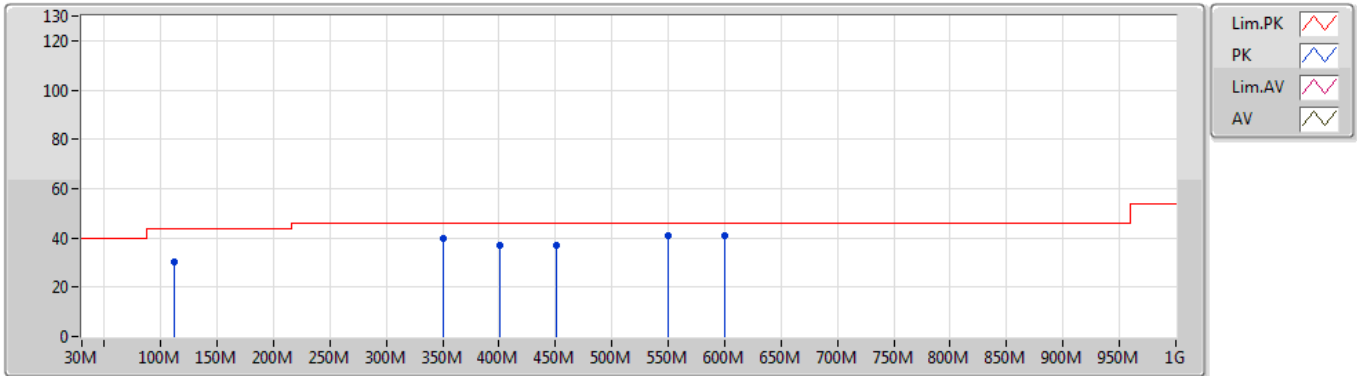


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	115.36M	31.45	43.50	-12.05	-8.80	3	Vertical	360	1.00	-
PK	400.54M	34.70	46.00	-11.30	-2.82	3	Vertical	360	1.00	-
PK	450.98M	35.38	46.00	-10.62	-1.73	3	Vertical	360	1.00	-
PK	549.92M	36.01	46.00	-9.99	0.31	3	Vertical	360	1.00	-
PK	600.36M	41.27	46.00	-4.73	0.85	3	Vertical	360	1.00	-
PK	650.8M	40.00	46.00	-6.00	1.82	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

14/05/2019

2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	111.48M	30.25	43.50	-13.25	-9.06	3	Horizontal	0	1.00	-
PK	350.1M	39.79	46.00	-6.21	-4.01	3	Horizontal	0	1.00	-
PK	400.54M	37.16	46.00	-8.84	-2.82	3	Horizontal	0	1.00	-
PK	450.98M	37.11	46.00	-8.89	-1.73	3	Horizontal	0	1.00	-
PK	549.92M	40.80	46.00	-5.20	0.31	3	Horizontal	0	1.00	-
PK	600.36M	40.87	46.00	-5.13	0.85	3	Horizontal	0	1.00	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.82406G	53.54	54.00	-0.46	3.49	3	Vertical	231	2.32	-
802.11g_Nss1,(6Mbps)_2TX	Pass	PK	2.4846G	73.62	74.00	-0.38	32.19	3	Vertical	291	2.36	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.88	54.00	-0.12	32.19	3	Vertical	292	2.32	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.78	54.00	-0.22	31.86	3	Vertical	292	2.67	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3872G	45.68	54.00	-8.32	31.85	3	Vertical	263	1.05	-
2412MHz	Pass	AV	2.4114G	103.41	Inf	-Inf	31.93	3	Vertical	263	1.05	-
2412MHz	Pass	PK	2.3766G	57.18	74.00	-16.82	31.80	3	Vertical	263	1.05	-
2412MHz	Pass	PK	2.413G	108.25	Inf	-Inf	31.94	3	Vertical	263	1.05	-
2412MHz	Pass	AV	2.3858G	45.49	54.00	-8.51	31.84	3	Horizontal	249	1.33	-
2412MHz	Pass	AV	2.4128G	100.42	Inf	-Inf	31.93	3	Horizontal	249	1.33	-
2412MHz	Pass	PK	2.3872G	57.47	74.00	-16.53	31.85	3	Horizontal	249	1.33	-
2412MHz	Pass	PK	2.413G	106.21	Inf	-Inf	31.94	3	Horizontal	249	1.33	-
2412MHz	Pass	AV	4.82406G	53.54	54.00	-0.46	3.49	3	Vertical	231	2.32	-
2412MHz	Pass	PK	4.824G	56.16	74.00	-17.84	3.49	3	Vertical	231	2.32	-
2412MHz	Pass	AV	4.82412G	49.68	54.00	-4.32	3.49	3	Horizontal	236	2.09	-
2412MHz	Pass	PK	4.82406G	53.35	74.00	-20.65	3.49	3	Horizontal	236	2.09	-
2417MHz	Pass	AV	2.39G	46.53	54.00	-7.47	31.86	3	Vertical	261	1.49	-
2417MHz	Pass	AV	2.4162G	105.93	Inf	-Inf	31.95	3	Vertical	261	1.49	-
2417MHz	Pass	PK	2.3896G	58.30	74.00	-15.70	31.86	3	Vertical	261	1.49	-
2417MHz	Pass	PK	2.4162G	109.84	Inf	-Inf	31.95	3	Vertical	261	1.49	-
2417MHz	Pass	AV	2.39G	46.12	54.00	-7.88	31.86	3	Horizontal	245	2.39	-
2417MHz	Pass	AV	2.4162G	104.30	Inf	-Inf	31.95	3	Horizontal	245	2.39	-
2417MHz	Pass	PK	2.39G	56.63	74.00	-17.37	31.86	3	Horizontal	245	2.39	-
2417MHz	Pass	PK	2.418G	108.14	Inf	-Inf	31.95	3	Horizontal	245	2.39	-
2437MHz	Pass	AV	2.3894G	45.04	54.00	-8.96	31.85	3	Vertical	245	1.12	-
2437MHz	Pass	AV	2.4362G	104.82	Inf	-Inf	32.02	3	Vertical	245	1.12	-
2437MHz	Pass	AV	2.4835G	45.61	54.00	-8.39	32.19	3	Vertical	245	1.12	-
2437MHz	Pass	PK	2.3778G	56.64	74.00	-17.36	31.81	3	Vertical	245	1.12	-
2437MHz	Pass	PK	2.4378G	110.64	Inf	-Inf	32.02	3	Vertical	245	1.12	-
2437MHz	Pass	PK	2.4918G	57.03	74.00	-16.97	32.22	3	Vertical	245	1.12	-
2437MHz	Pass	AV	2.3882G	44.87	54.00	-9.13	31.85	3	Horizontal	192	2.00	-
2437MHz	Pass	AV	2.4362G	103.14	Inf	-Inf	32.02	3	Horizontal	192	2.00	-
2437MHz	Pass	AV	2.4942G	45.36	54.00	-8.64	32.23	3	Horizontal	192	2.00	-
2437MHz	Pass	PK	2.385G	56.92	74.00	-17.08	31.83	3	Horizontal	192	2.00	-
2437MHz	Pass	PK	2.4378G	107.83	Inf	-Inf	32.02	3	Horizontal	192	2.00	-
2437MHz	Pass	PK	2.4894G	56.86	74.00	-17.14	32.20	3	Horizontal	192	2.00	-
2437MHz	Pass	AV	4.87418G	53.31	54.00	-0.69	3.61	3	Vertical	231	2.46	-
2437MHz	Pass	PK	4.87418G	55.85	74.00	-18.15	3.61	3	Vertical	231	2.46	-
2437MHz	Pass	AV	4.87406G	51.40	54.00	-2.60	3.61	3	Horizontal	241	2.28	-
2437MHz	Pass	PK	4.87406G	54.30	74.00	-19.70	3.61	3	Horizontal	241	2.28	-
2462MHz	Pass	AV	2.4602G	106.22	Inf	-Inf	32.10	3	Vertical	247	1.19	-
2462MHz	Pass	AV	2.4878G	47.46	54.00	-6.54	32.20	3	Vertical	247	1.19	-
2462MHz	Pass	PK	2.463G	111.67	Inf	-Inf	32.11	3	Vertical	247	1.19	-
2462MHz	Pass	PK	2.4878G	58.70	74.00	-15.30	32.20	3	Vertical	247	1.19	-
2462MHz	Pass	AV	2.4634G	103.72	Inf	-Inf	32.11	3	Horizontal	242	2.16	-
2462MHz	Pass	AV	2.4878G	46.89	54.00	-7.11	32.20	3	Horizontal	242	2.16	-
2462MHz	Pass	PK	2.463G	109.52	Inf	-Inf	32.11	3	Horizontal	242	2.16	-
2462MHz	Pass	PK	2.498G	57.85	74.00	-16.15	32.24	3	Horizontal	242	2.16	-
2462MHz	Pass	AV	4.92376G	53.27	54.00	-0.73	3.73	3	Vertical	231	2.49	-
2462MHz	Pass	PK	4.92376G	56.54	74.00	-17.46	3.73	3	Vertical	231	2.49	-
2462MHz	Pass	AV	4.92388G	50.83	54.00	-3.17	3.73	3	Horizontal	188	2.52	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	4.924G	54.67	74.00	-19.33	3.73	3	Horizontal	188	2.52	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.16	54.00	-0.84	31.86	3	Vertical	292	2.40	-
2412MHz	Pass	AV	2.4176G	102.39	Inf	-Inf	31.95	3	Vertical	292	2.40	-
2412MHz	Pass	PK	2.3892G	69.96	74.00	-4.04	31.85	3	Vertical	292	2.40	-
2412MHz	Pass	PK	2.416G	113.58	Inf	-Inf	31.95	3	Vertical	292	2.40	-
2412MHz	Pass	AV	2.3898G	46.71	54.00	-7.29	31.86	3	Horizontal	189	1.05	-
2412MHz	Pass	AV	2.4184G	92.88	Inf	-Inf	31.95	3	Horizontal	189	1.05	-
2412MHz	Pass	PK	2.3874G	60.65	74.00	-13.35	31.85	3	Horizontal	189	1.05	-
2412MHz	Pass	PK	2.4174G	104.42	Inf	-Inf	31.95	3	Horizontal	189	1.05	-
2412MHz	Pass	AV	4.82352G	42.67	54.00	-11.33	3.49	3	Vertical	227	2.73	-
2412MHz	Pass	PK	4.8216G	58.62	74.00	-15.38	3.49	3	Vertical	227	2.73	-
2412MHz	Pass	AV	4.82316G	41.77	54.00	-12.23	3.49	3	Horizontal	215	2.71	-
2412MHz	Pass	PK	4.8216G	58.36	74.00	-15.64	3.49	3	Horizontal	215	2.71	-
2417MHz	Pass	AV	2.3898G	53.10	54.00	-0.90	31.86	3	Vertical	292	2.45	-
2417MHz	Pass	AV	2.4116G	103.96	Inf	-Inf	31.93	3	Vertical	292	2.45	-
2417MHz	Pass	PK	2.3868G	70.52	74.00	-3.48	31.84	3	Vertical	292	2.45	-
2417MHz	Pass	PK	2.4124G	115.17	Inf	-Inf	31.93	3	Vertical	292	2.45	-
2417MHz	Pass	AV	2.39G	47.16	54.00	-6.84	31.86	3	Horizontal	192	1.03	-
2417MHz	Pass	AV	2.413G	95.27	Inf	-Inf	31.94	3	Horizontal	192	1.03	-
2417MHz	Pass	PK	2.3868G	60.83	74.00	-13.17	31.84	3	Horizontal	192	1.03	-
2417MHz	Pass	PK	2.4132G	106.23	Inf	-Inf	31.94	3	Horizontal	192	1.03	-
2437MHz	Pass	AV	2.3894G	53.46	54.00	-0.54	31.85	3	Vertical	290	2.57	-
2437MHz	Pass	AV	2.443G	108.14	Inf	-Inf	32.04	3	Vertical	290	2.57	-
2437MHz	Pass	AV	2.4835G	53.58	54.00	-0.42	32.19	3	Vertical	290	2.57	-
2437MHz	Pass	PK	2.3898G	68.70	74.00	-5.30	31.86	3	Vertical	290	2.57	-
2437MHz	Pass	PK	2.4418G	119.37	Inf	-Inf	32.04	3	Vertical	290	2.57	-
2437MHz	Pass	PK	2.485G	68.96	74.00	-5.04	32.19	3	Vertical	290	2.57	-
2437MHz	Pass	AV	2.3886G	47.72	54.00	-6.28	31.85	3	Horizontal	239	2.98	-
2437MHz	Pass	AV	2.4426G	100.48	Inf	-Inf	32.04	3	Horizontal	239	2.98	-
2437MHz	Pass	AV	2.4838G	47.23	54.00	-6.77	32.19	3	Horizontal	239	2.98	-
2437MHz	Pass	PK	2.387G	61.42	74.00	-12.58	31.84	3	Horizontal	239	2.98	-
2437MHz	Pass	PK	2.4434G	110.91	Inf	-Inf	32.04	3	Horizontal	239	2.98	-
2437MHz	Pass	PK	2.4838G	61.34	74.00	-12.66	32.19	3	Horizontal	239	2.98	-
2437MHz	Pass	AV	4.87382G	46.92	54.00	-7.08	3.61	3	Vertical	340	1.50	-
2437MHz	Pass	PK	4.8725G	62.88	74.00	-11.12	3.61	3	Vertical	340	1.50	-
2437MHz	Pass	AV	4.87382G	47.14	54.00	-6.86	3.61	3	Horizontal	199	2.83	-
2437MHz	Pass	PK	4.87256G	62.65	74.00	-11.35	3.61	3	Horizontal	199	2.83	-
2457MHz	Pass	AV	2.4618G	104.99	Inf	-Inf	32.11	3	Vertical	291	2.36	-
2457MHz	Pass	AV	2.4838G	52.84	54.00	-1.16	32.19	3	Vertical	291	2.36	-
2457MHz	Pass	PK	2.462G	116.18	Inf	-Inf	32.11	3	Vertical	291	2.36	-
2457MHz	Pass	PK	2.4846G	73.62	74.00	-0.38	32.19	3	Vertical	291	2.36	-
2457MHz	Pass	AV	2.4518G	95.20	Inf	-Inf	32.07	3	Horizontal	174	2.72	-
2457MHz	Pass	AV	2.4838G	47.41	54.00	-6.59	32.19	3	Horizontal	174	2.72	-
2457MHz	Pass	PK	2.4596G	106.00	Inf	-Inf	32.10	3	Horizontal	174	2.72	-
2457MHz	Pass	PK	2.4842G	63.83	74.00	-10.17	32.19	3	Horizontal	174	2.72	-
2462MHz	Pass	AV	2.4678G	103.13	Inf	-Inf	32.13	3	Vertical	293	2.36	-
2462MHz	Pass	AV	2.4835G	53.51	54.00	-0.49	32.19	3	Vertical	293	2.36	-
2462MHz	Pass	PK	2.4666G	114.60	Inf	-Inf	32.13	3	Vertical	293	2.36	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.484G	73.62	74.00	-0.38	32.19	3	Vertical	293	2.36	-
2462MHz	Pass	AV	2.468G	93.41	Inf	-Inf	32.13	3	Horizontal	179	1.88	-
2462MHz	Pass	AV	2.4836G	47.79	54.00	-6.21	32.19	3	Horizontal	179	1.88	-
2462MHz	Pass	PK	2.467G	104.00	Inf	-Inf	32.13	3	Horizontal	179	1.88	-
2462MHz	Pass	PK	2.4836G	63.84	74.00	-10.16	32.19	3	Horizontal	179	1.88	-
2462MHz	Pass	AV	4.92292G	43.58	54.00	-10.42	3.73	3	Vertical	232	2.57	-
2462MHz	Pass	PK	4.9276G	58.21	74.00	-15.79	3.74	3	Vertical	232	2.57	-
2462MHz	Pass	AV	4.92382G	42.13	54.00	-11.87	3.73	3	Horizontal	222	2.31	-
2462MHz	Pass	PK	4.92754G	56.25	74.00	-17.75	3.74	3	Horizontal	222	2.31	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.26	54.00	-0.74	31.86	3	Vertical	293	2.40	-
2412MHz	Pass	AV	2.4178G	102.41	Inf	-Inf	31.95	3	Vertical	293	2.40	-
2412MHz	Pass	PK	2.3898G	69.11	74.00	-4.89	31.86	3	Vertical	293	2.40	-
2412MHz	Pass	PK	2.4146G	112.90	Inf	-Inf	31.95	3	Vertical	293	2.40	-
2412MHz	Pass	AV	2.39G	47.95	54.00	-6.05	31.86	3	Horizontal	222	2.89	-
2412MHz	Pass	AV	2.4178G	94.26	Inf	-Inf	31.95	3	Horizontal	222	2.89	-
2412MHz	Pass	PK	2.3896G	62.88	74.00	-11.12	31.86	3	Horizontal	222	2.89	-
2412MHz	Pass	PK	2.4146G	104.84	Inf	-Inf	31.95	3	Horizontal	222	2.89	-
2412MHz	Pass	AV	4.87178G	43.66	54.00	-10.34	3.61	3	Vertical	229	2.72	-
2412MHz	Pass	PK	4.87022G	57.49	74.00	-16.51	3.61	3	Vertical	229	2.72	-
2412MHz	Pass	PK	4.87448G	56.56	74.00	-17.44	3.61	3	Horizontal	221	2.48	-
2412MHz	Pass	AV	4.87322G	42.64	54.00	-11.36	3.61	3	Horizontal	221	2.48	-
2417MHz	Pass	AV	2.3898G	53.65	54.00	-0.35	31.86	3	Vertical	293	2.39	-
2417MHz	Pass	AV	2.4126G	104.57	Inf	-Inf	31.93	3	Vertical	293	2.39	-
2417MHz	Pass	PK	2.3866G	69.02	74.00	-4.98	31.84	3	Vertical	293	2.39	-
2417MHz	Pass	PK	2.4198G	115.66	Inf	-Inf	31.96	3	Vertical	293	2.39	-
2417MHz	Pass	AV	2.39G	47.39	54.00	-6.61	31.86	3	Horizontal	188	1.07	-
2417MHz	Pass	AV	2.4222G	95.51	Inf	-Inf	31.97	3	Horizontal	188	1.07	-
2417MHz	Pass	PK	2.3884G	60.60	74.00	-13.40	31.85	3	Horizontal	188	1.07	-
2417MHz	Pass	PK	2.42G	106.17	Inf	-Inf	31.96	3	Horizontal	188	1.07	-
2437MHz	Pass	AV	2.3898G	53.26	54.00	-0.74	31.86	3	Vertical	291	2.69	-
2437MHz	Pass	AV	2.4418G	108.55	Inf	-Inf	32.04	3	Vertical	291	2.69	-
2437MHz	Pass	AV	2.4835G	52.82	54.00	-1.18	32.19	3	Vertical	291	2.69	-
2437MHz	Pass	PK	2.3854G	68.47	74.00	-5.53	31.83	3	Vertical	291	2.69	-
2437MHz	Pass	PK	2.439G	119.31	Inf	-Inf	32.03	3	Vertical	291	2.69	-
2437MHz	Pass	PK	2.4838G	66.96	74.00	-7.04	32.19	3	Vertical	291	2.69	-
2437MHz	Pass	AV	2.3898G	48.18	54.00	-5.82	31.86	3	Horizontal	253	2.99	-
2437MHz	Pass	AV	2.4426G	101.11	Inf	-Inf	32.04	3	Horizontal	253	2.99	-
2437MHz	Pass	AV	2.4835G	47.66	54.00	-6.34	32.19	3	Horizontal	253	2.99	-
2437MHz	Pass	PK	2.3854G	62.73	74.00	-11.27	31.83	3	Horizontal	253	2.99	-
2437MHz	Pass	PK	2.441G	111.45	Inf	-Inf	32.04	3	Horizontal	253	2.99	-
2437MHz	Pass	PK	2.4846G	60.57	74.00	-13.43	32.19	3	Horizontal	253	2.99	-
2437MHz	Pass	AV	4.87586G	48.20	54.00	-5.80	3.62	3	Vertical	48	1.25	-
2437MHz	Pass	PK	4.87304G	62.73	74.00	-11.27	3.61	3	Vertical	48	1.25	-
2437MHz	Pass	AV	4.87604G	46.99	54.00	-7.01	3.62	3	Horizontal	32	2.71	-
2437MHz	Pass	PK	4.87304G	62.55	74.00	-11.45	3.61	3	Horizontal	32	2.71	-
2457MHz	Pass	AV	2.4626G	105.43	Inf	-Inf	32.11	3	Vertical	292	2.32	-
2457MHz	Pass	AV	2.4835G	53.88	54.00	-0.12	32.19	3	Vertical	292	2.32	-
2457MHz	Pass	PK	2.4608G	116.03	Inf	-Inf	32.11	3	Vertical	292	2.32	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4842G	70.60	74.00	-3.40	32.19	3	Vertical	292	2.32	-
2457MHz	Pass	AV	2.4512G	95.47	Inf	-Inf	32.07	3	Horizontal	172	2.74	-
2457MHz	Pass	AV	2.4835G	48.04	54.00	-5.96	32.19	3	Horizontal	172	2.74	-
2457MHz	Pass	PK	2.4536G	106.26	Inf	-Inf	32.08	3	Horizontal	172	2.74	-
2457MHz	Pass	PK	2.4836G	61.72	74.00	-12.28	32.19	3	Horizontal	172	2.74	-
2462MHz	Pass	AV	2.467G	102.89	Inf	-Inf	32.13	3	Vertical	291	2.35	-
2462MHz	Pass	AV	2.4835G	53.11	54.00	-0.89	32.19	3	Vertical	291	2.35	-
2462MHz	Pass	PK	2.4646G	114.27	Inf	-Inf	32.13	3	Vertical	291	2.35	-
2462MHz	Pass	PK	2.485G	71.35	74.00	-2.65	32.19	3	Vertical	291	2.35	-
2462MHz	Pass	AV	2.457G	93.52	Inf	-Inf	32.10	3	Horizontal	173	2.76	-
2462MHz	Pass	AV	2.4835G	47.59	54.00	-6.41	32.19	3	Horizontal	173	2.76	-
2462MHz	Pass	PK	2.4586G	104.78	Inf	-Inf	32.10	3	Horizontal	173	2.76	-
2462MHz	Pass	PK	2.4852G	62.37	74.00	-11.63	32.19	3	Horizontal	173	2.76	-
2462MHz	Pass	AV	4.92466G	43.28	54.00	-10.72	3.73	3	Vertical	233	2.69	-
2462MHz	Pass	PK	4.92454G	57.66	74.00	-16.34	3.73	3	Vertical	233	2.69	-
2462MHz	Pass	AV	4.9246G	42.00	54.00	-12.00	3.73	3	Horizontal	221	2.49	-
2462MHz	Pass	PK	4.92436G	56.23	74.00	-17.77	3.73	3	Horizontal	221	2.49	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.30	54.00	-0.70	31.86	3	Vertical	358	1.59	-
2422MHz	Pass	AV	2.4204G	98.09	Inf	-Inf	31.96	3	Vertical	358	1.59	-
2422MHz	Pass	AV	2.486G	47.17	54.00	-6.83	32.20	3	Vertical	358	1.59	-
2422MHz	Pass	PK	2.3888G	70.97	74.00	-3.03	31.85	3	Vertical	358	1.59	-
2422MHz	Pass	PK	2.4196G	107.23	Inf	-Inf	31.96	3	Vertical	358	1.59	-
2422MHz	Pass	PK	2.488G	58.89	74.00	-15.11	32.20	3	Vertical	358	1.59	-
2422MHz	Pass	AV	2.39G	52.34	54.00	-1.66	31.86	3	Horizontal	166	1.29	-
2422MHz	Pass	AV	2.4204G	94.47	Inf	-Inf	31.96	3	Horizontal	166	1.29	-
2422MHz	Pass	AV	2.4864G	46.23	54.00	-7.77	32.20	3	Horizontal	166	1.29	-
2422MHz	Pass	PK	2.3892G	69.86	74.00	-4.14	31.85	3	Horizontal	166	1.29	-
2422MHz	Pass	PK	2.4164G	103.97	Inf	-Inf	31.95	3	Horizontal	166	1.29	-
2422MHz	Pass	PK	2.4928G	56.98	74.00	-17.02	32.22	3	Horizontal	166	1.29	-
2422MHz	Pass	AV	4.8422G	41.90	54.00	-12.10	3.54	3	Vertical	233	2.25	-
2422MHz	Pass	PK	4.8486G	54.37	74.00	-19.63	3.55	3	Vertical	233	2.25	-
2422MHz	Pass	AV	4.8424G	40.06	54.00	-13.94	3.54	3	Horizontal	212	2.57	-
2422MHz	Pass	PK	4.8428G	52.65	74.00	-21.35	3.54	3	Horizontal	212	2.57	-
2427MHz	Pass	AV	2.3898G	53.78	54.00	-0.22	31.86	3	Vertical	292	2.67	-
2427MHz	Pass	AV	2.441G	98.23	Inf	-Inf	32.04	3	Vertical	292	2.67	-
2427MHz	Pass	AV	2.4882G	47.60	54.00	-6.40	32.20	3	Vertical	292	2.67	-
2427MHz	Pass	PK	2.3898G	66.58	74.00	-7.42	31.86	3	Vertical	292	2.67	-
2427MHz	Pass	PK	2.4286G	108.58	Inf	-Inf	31.99	3	Vertical	292	2.67	-
2427MHz	Pass	PK	2.4874G	59.52	74.00	-14.48	32.20	3	Vertical	292	2.67	-
2427MHz	Pass	AV	2.3866G	47.69	54.00	-6.31	31.84	3	Horizontal	190	1.00	-
2427MHz	Pass	AV	2.413G	89.11	Inf	-Inf	31.94	3	Horizontal	190	1.00	-
2427MHz	Pass	AV	2.4946G	46.63	54.00	-7.37	32.23	3	Horizontal	190	1.00	-
2427MHz	Pass	PK	2.3838G	60.75	74.00	-13.25	31.83	3	Horizontal	190	1.00	-
2427MHz	Pass	PK	2.4286G	98.23	Inf	-Inf	31.99	3	Horizontal	190	1.00	-
2427MHz	Pass	PK	2.4846G	57.46	74.00	-16.54	32.19	3	Horizontal	190	1.00	-
2437MHz	Pass	AV	2.3898G	52.45	54.00	-1.55	31.86	3	Vertical	0	2.62	-
2437MHz	Pass	AV	2.4358G	99.77	Inf	-Inf	32.02	3	Vertical	0	2.62	-
2437MHz	Pass	AV	2.4835G	53.51	54.00	-0.49	32.19	3	Vertical	0	2.62	-

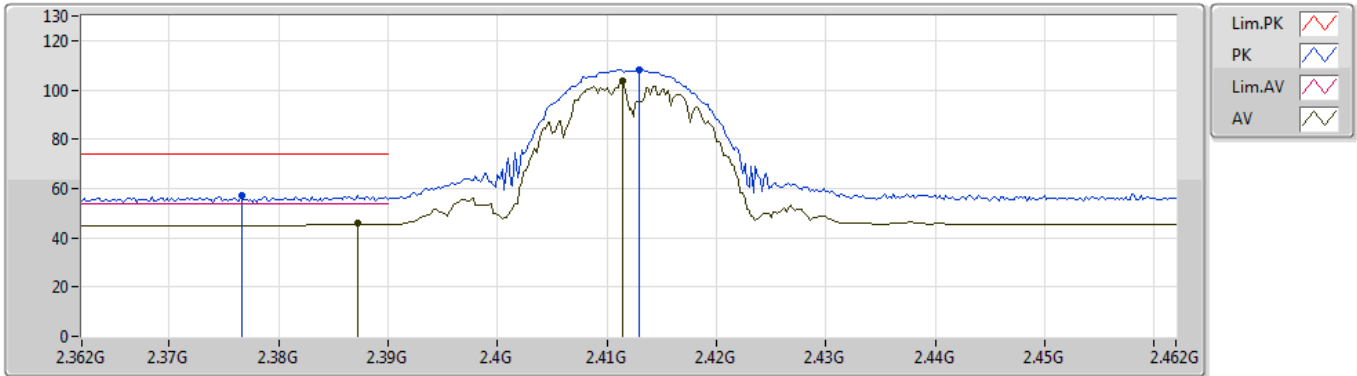


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3898G	65.16	74.00	-8.84	31.86	3	Vertical	0	2.62	-
2437MHz	Pass	PK	2.433G	109.27	Inf	-Inf	32.01	3	Vertical	0	2.62	-
2437MHz	Pass	PK	2.4846G	70.42	74.00	-3.58	32.19	3	Vertical	0	2.62	-
2437MHz	Pass	AV	2.3898G	51.64	54.00	-2.36	31.86	3	Horizontal	164	1.24	-
2437MHz	Pass	AV	2.4522G	96.01	Inf	-Inf	32.08	3	Horizontal	164	1.24	-
2437MHz	Pass	AV	2.4835G	49.52	54.00	-4.48	32.19	3	Horizontal	164	1.24	-
2437MHz	Pass	PK	2.389G	64.65	74.00	-9.35	31.85	3	Horizontal	164	1.24	-
2437MHz	Pass	PK	2.433G	105.77	Inf	-Inf	32.01	3	Horizontal	164	1.24	-
2437MHz	Pass	PK	2.485G	65.55	74.00	-8.45	32.19	3	Horizontal	164	1.24	-
2437MHz	Pass	AV	4.874G	41.59	54.00	-12.41	3.61	3	Vertical	227	2.10	-
2437MHz	Pass	PK	4.8708G	54.11	74.00	-19.89	3.61	3	Vertical	227	2.10	-
2437MHz	Pass	AV	4.8698G	40.47	54.00	-13.53	3.61	3	Horizontal	211	2.69	-
2437MHz	Pass	PK	4.8708G	53.32	74.00	-20.68	3.61	3	Horizontal	211	2.69	-
2447MHz	Pass	AV	2.3898G	48.59	54.00	-5.41	31.86	3	Vertical	291	2.34	-
2447MHz	Pass	AV	2.4494G	99.99	Inf	-Inf	32.07	3	Vertical	291	2.34	-
2447MHz	Pass	AV	2.4842G	53.14	54.00	-0.86	32.19	3	Vertical	291	2.34	-
2447MHz	Pass	PK	2.389G	61.33	74.00	-12.67	31.85	3	Vertical	291	2.34	-
2447MHz	Pass	PK	2.4598G	110.69	Inf	-Inf	32.10	3	Vertical	291	2.34	-
2447MHz	Pass	PK	2.489G	68.69	74.00	-5.31	32.20	3	Vertical	291	2.34	-
2447MHz	Pass	AV	2.3778G	46.32	54.00	-7.68	31.81	3	Horizontal	254	2.88	-
2447MHz	Pass	AV	2.461G	92.93	Inf	-Inf	32.11	3	Horizontal	254	2.88	-
2447MHz	Pass	AV	2.4835G	48.80	54.00	-5.20	32.19	3	Horizontal	254	2.88	-
2447MHz	Pass	PK	2.377G	57.52	74.00	-16.48	31.80	3	Horizontal	254	2.88	-
2447MHz	Pass	PK	2.4598G	104.11	Inf	-Inf	32.10	3	Horizontal	254	2.88	-
2447MHz	Pass	PK	2.4886G	64.18	74.00	-9.82	32.20	3	Horizontal	254	2.88	-
2452MHz	Pass	AV	2.3864G	45.97	54.00	-8.03	31.84	3	Vertical	359	2.58	-
2452MHz	Pass	AV	2.4508G	97.76	Inf	-Inf	32.07	3	Vertical	359	2.58	-
2452MHz	Pass	AV	2.4835G	53.31	54.00	-0.69	32.19	3	Vertical	359	2.58	-
2452MHz	Pass	PK	2.3884G	56.88	74.00	-17.12	31.85	3	Vertical	359	2.58	-
2452MHz	Pass	PK	2.454G	107.04	Inf	-Inf	32.08	3	Vertical	359	2.58	-
2452MHz	Pass	PK	2.4856G	69.69	74.00	-4.31	32.20	3	Vertical	359	2.58	-
2452MHz	Pass	AV	2.3848G	45.73	54.00	-8.27	31.83	3	Horizontal	166	1.25	-
2452MHz	Pass	AV	2.4508G	94.24	Inf	-Inf	32.07	3	Horizontal	166	1.25	-
2452MHz	Pass	AV	2.4835G	49.38	54.00	-4.62	32.19	3	Horizontal	166	1.25	-
2452MHz	Pass	PK	2.3792G	56.65	74.00	-17.35	31.82	3	Horizontal	166	1.25	-
2452MHz	Pass	PK	2.4536G	103.70	Inf	-Inf	32.08	3	Horizontal	166	1.25	-
2452MHz	Pass	PK	2.4856G	67.00	74.00	-7.00	32.20	3	Horizontal	166	1.25	-
2452MHz	Pass	AV	4.9049G	39.58	54.00	-14.42	3.69	3	Vertical	229	2.16	-
2452MHz	Pass	PK	4.9012G	52.23	74.00	-21.77	3.68	3	Vertical	229	2.16	-
2452MHz	Pass	AV	4.9027G	35.54	54.00	-18.46	3.68	3	Horizontal	72	1.29	-
2452MHz	Pass	PK	4.9032G	48.17	74.00	-25.83	3.69	3	Horizontal	72	1.29	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2412MHz_TX

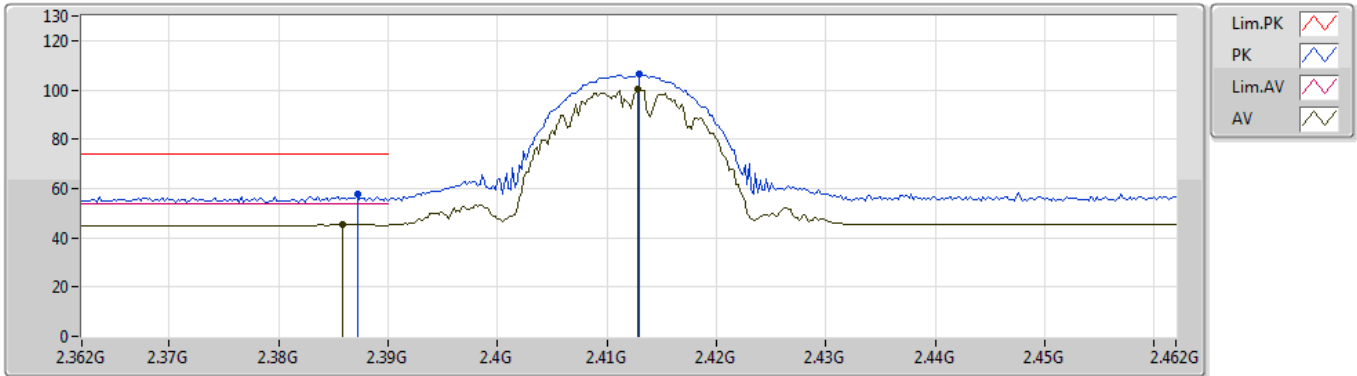


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3872G	45.68	54.00	-8.32	31.85	3	Vertical	263	1.05	-
AV	2.4114G	103.41	Inf	-Inf	31.93	3	Vertical	263	1.05	-
PK	2.3766G	57.18	74.00	-16.82	31.80	3	Vertical	263	1.05	-
PK	2.413G	108.25	Inf	-Inf	31.94	3	Vertical	263	1.05	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2412MHz_TX

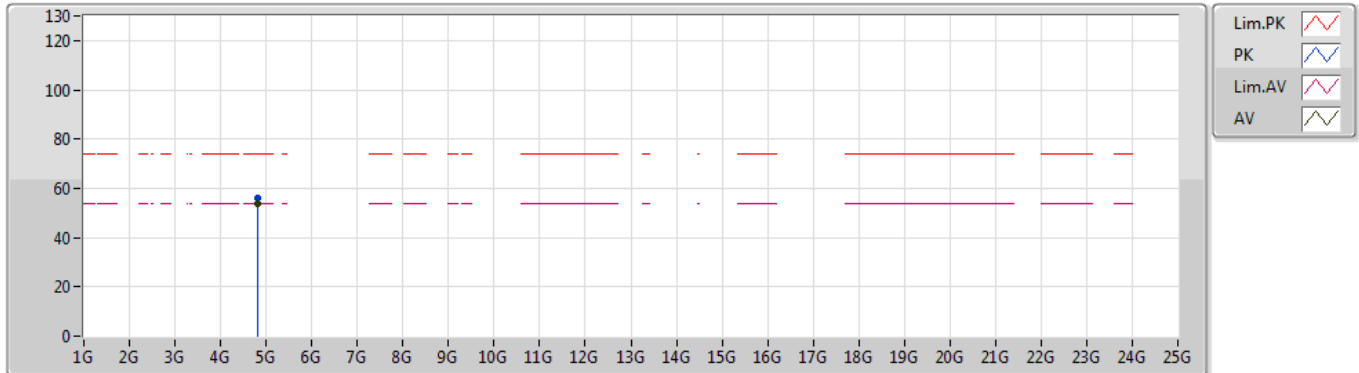


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3858G	45.49	54.00	-8.51	31.84	3	Horizontal	249	1.33	-
AV	2.4128G	100.42	Inf	-Inf	31.93	3	Horizontal	249	1.33	-
PK	2.3872G	57.47	74.00	-16.53	31.85	3	Horizontal	249	1.33	-
PK	2.413G	106.21	Inf	-Inf	31.94	3	Horizontal	249	1.33	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2412MHz_TX

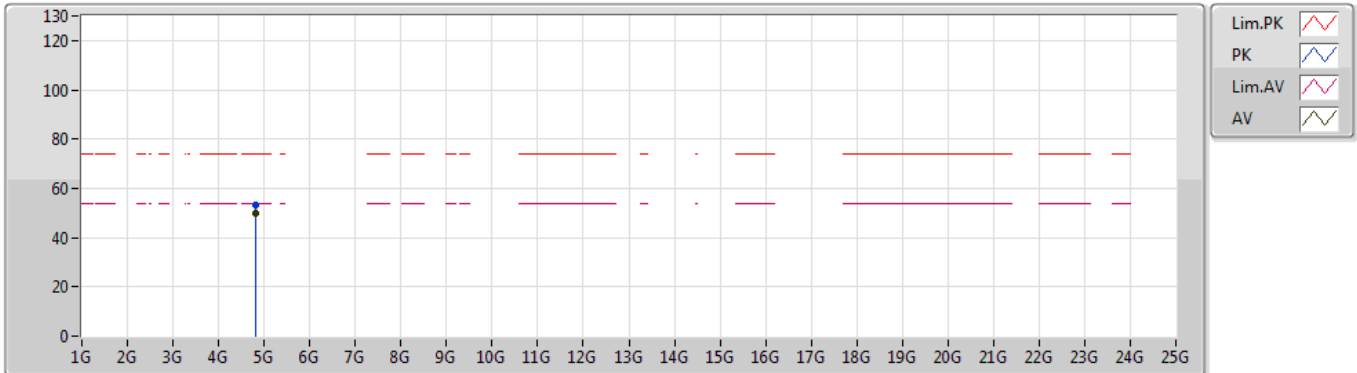


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.82406G	53.54	54.00	-0.46	3.49	3	Vertical	231	2.32	-
PK	4.824G	56.16	74.00	-17.84	3.49	3	Vertical	231	2.32	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2412MHz_TX

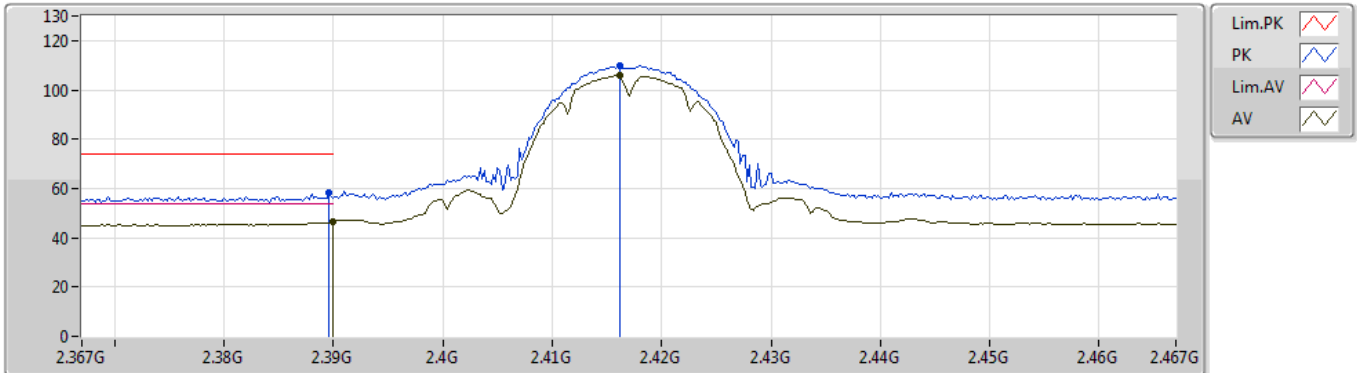


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.82412G	49.68	54.00	-4.32	3.49	3	Horizontal	236	2.09	-
PK	4.82406G	53.35	74.00	-20.65	3.49	3	Horizontal	236	2.09	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2417MHz_TX

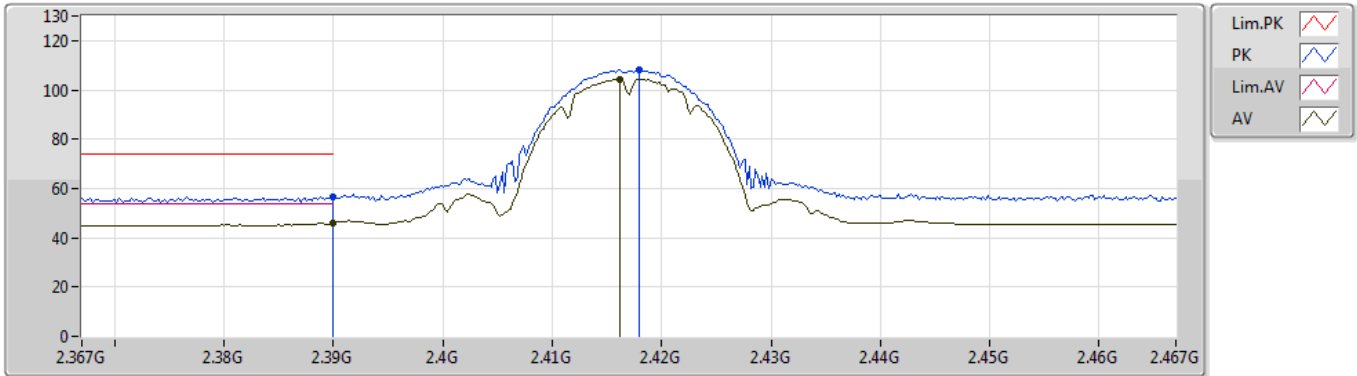


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	46.53	54.00	-7.47	31.86	3	Vertical	261	1.49	-
AV	2.4162G	105.93	Inf	-Inf	31.95	3	Vertical	261	1.49	-
PK	2.3896G	58.30	74.00	-15.70	31.86	3	Vertical	261	1.49	-
PK	2.4162G	109.84	Inf	-Inf	31.95	3	Vertical	261	1.49	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2417MHz_TX

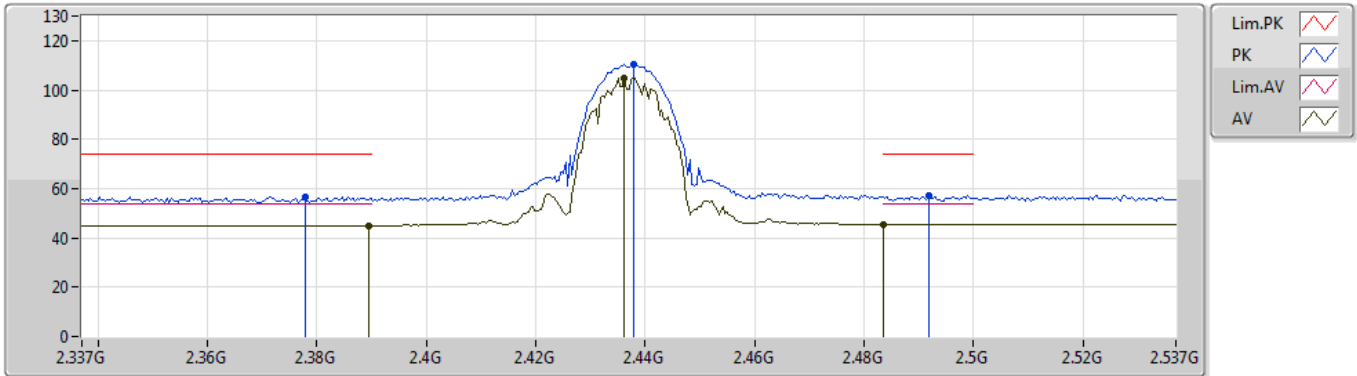


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	46.12	54.00	-7.88	31.86	3	Horizontal	245	2.39	-
AV	2.4162G	104.30	Inf	-Inf	31.95	3	Horizontal	245	2.39	-
PK	2.39G	56.63	74.00	-17.37	31.86	3	Horizontal	245	2.39	-
PK	2.418G	108.14	Inf	-Inf	31.95	3	Horizontal	245	2.39	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2437MHz_TX

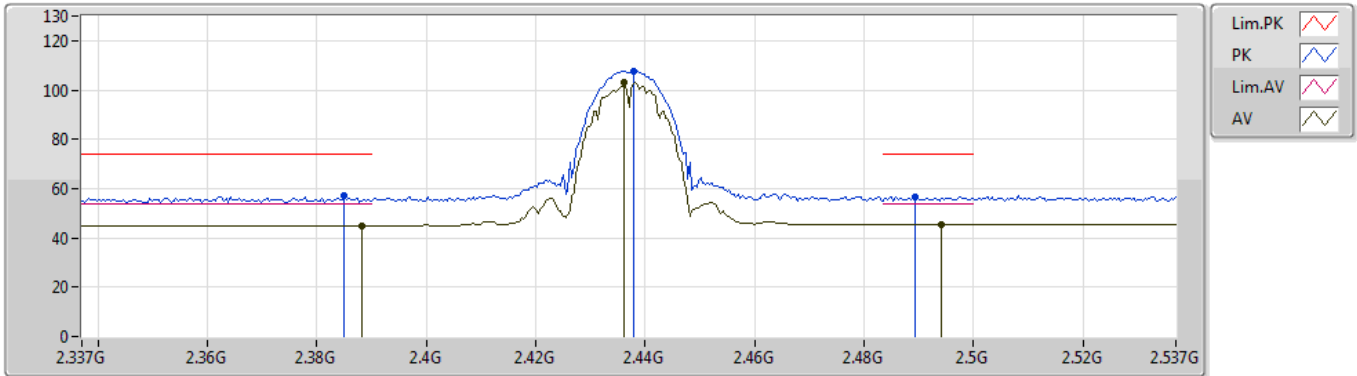


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3894G	45.04	54.00	-8.96	31.85	3	Vertical	245	1.12	-
AV	2.4362G	104.82	Inf	-Inf	32.02	3	Vertical	245	1.12	-
AV	2.4835G	45.61	54.00	-8.39	32.19	3	Vertical	245	1.12	-
PK	2.3778G	56.64	74.00	-17.36	31.81	3	Vertical	245	1.12	-
PK	2.4378G	110.64	Inf	-Inf	32.02	3	Vertical	245	1.12	-
PK	2.4918G	57.03	74.00	-16.97	32.22	3	Vertical	245	1.12	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2437MHz_TX

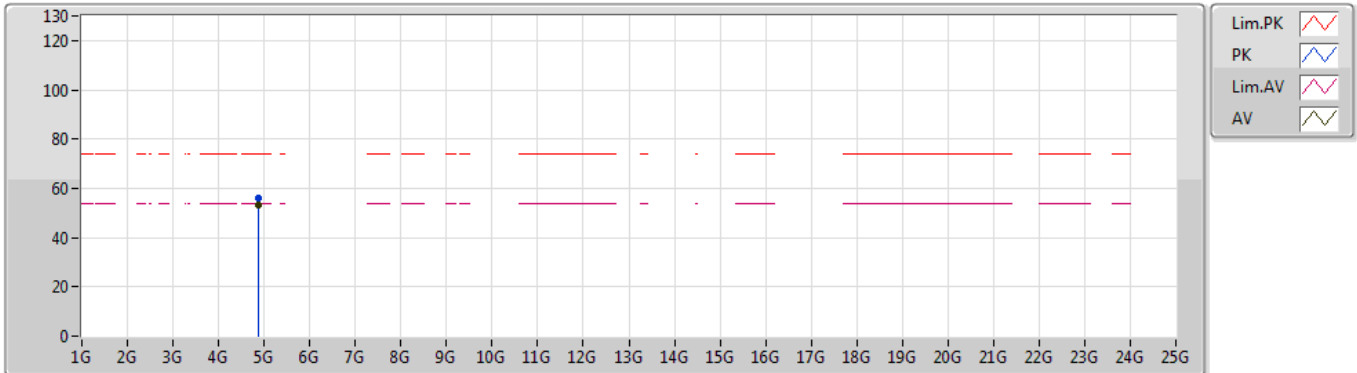


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3882G	44.87	54.00	-9.13	31.85	3	Horizontal	192	2.00	-
AV	2.4362G	103.14	Inf	-Inf	32.02	3	Horizontal	192	2.00	-
AV	2.4942G	45.36	54.00	-8.64	32.23	3	Horizontal	192	2.00	-
PK	2.385G	56.92	74.00	-17.08	31.83	3	Horizontal	192	2.00	-
PK	2.4378G	107.83	Inf	-Inf	32.02	3	Horizontal	192	2.00	-
PK	2.4894G	56.86	74.00	-17.14	32.20	3	Horizontal	192	2.00	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2437MHz_TX

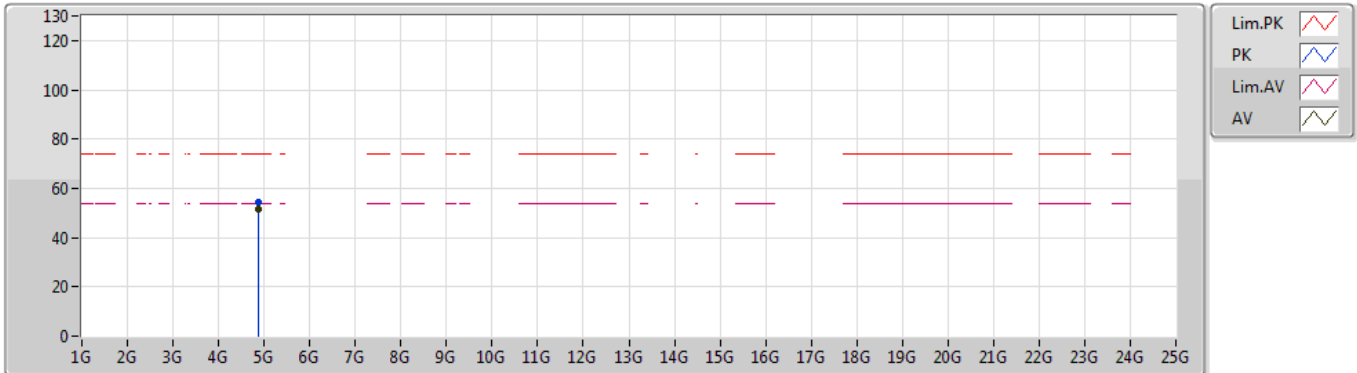


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.87418G	53.31	54.00	-0.69	3.61	3	Vertical	231	2.46	-
PK	4.87418G	55.85	74.00	-18.15	3.61	3	Vertical	231	2.46	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2437MHz_TX

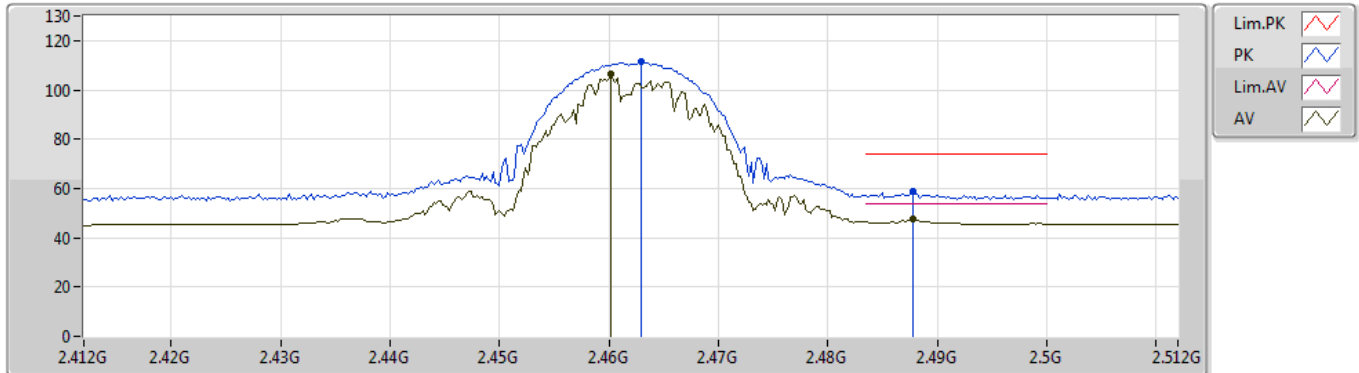


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.87406G	51.40	54.00	-2.60	3.61	3	Horizontal	241	2.28	-
PK	4.87406G	54.30	74.00	-19.70	3.61	3	Horizontal	241	2.28	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2462MHz_TX

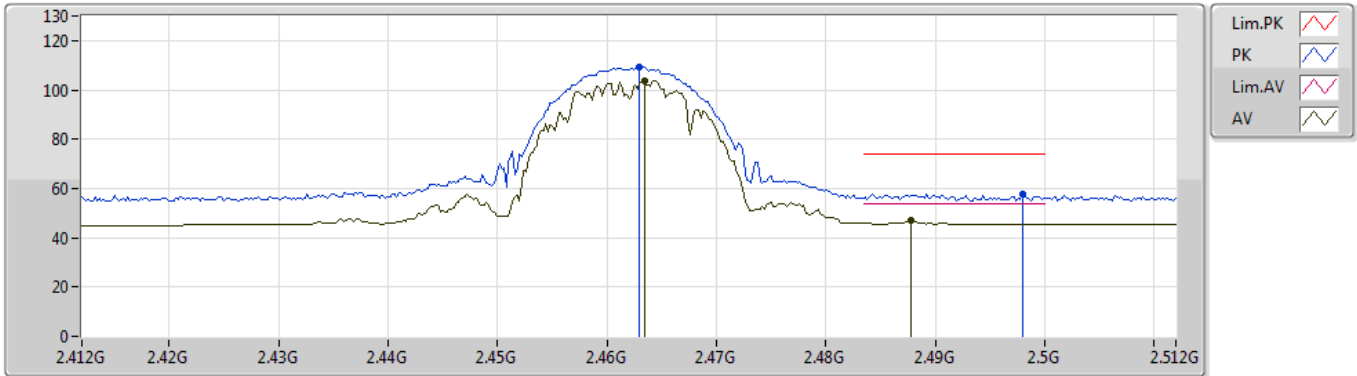


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4602G	106.22	Inf	-Inf	32.10	3	Vertical	247	1.19	-
AV	2.4878G	47.46	54.00	-6.54	32.20	3	Vertical	247	1.19	-
PK	2.463G	111.67	Inf	-Inf	32.11	3	Vertical	247	1.19	-
PK	2.4878G	58.70	74.00	-15.30	32.20	3	Vertical	247	1.19	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2462MHz_TX

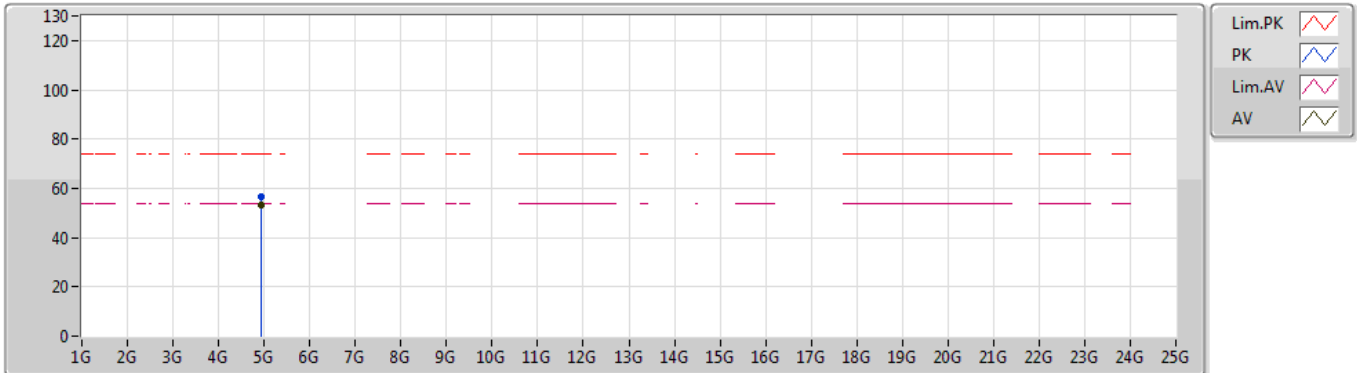


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4634G	103.72	Inf	-Inf	32.11	3	Horizontal	242	2.16	-
AV	2.4878G	46.89	54.00	-7.11	32.20	3	Horizontal	242	2.16	-
PK	2.463G	109.52	Inf	-Inf	32.11	3	Horizontal	242	2.16	-
PK	2.498G	57.85	74.00	-16.15	32.24	3	Horizontal	242	2.16	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2462MHz_TX

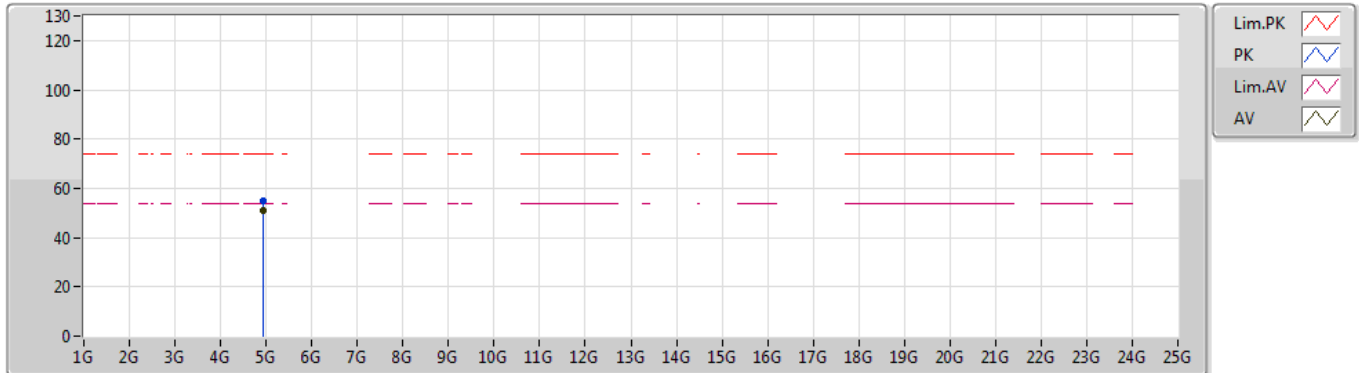


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.92376G	53.27	54.00	-0.73	3.73	3	Vertical	231	2.49	-
PK	4.92376G	56.54	74.00	-17.46	3.73	3	Vertical	231	2.49	-

802.11b_Nss1,(1Mbps)_2TX

10/05/2019

2462MHz_TX

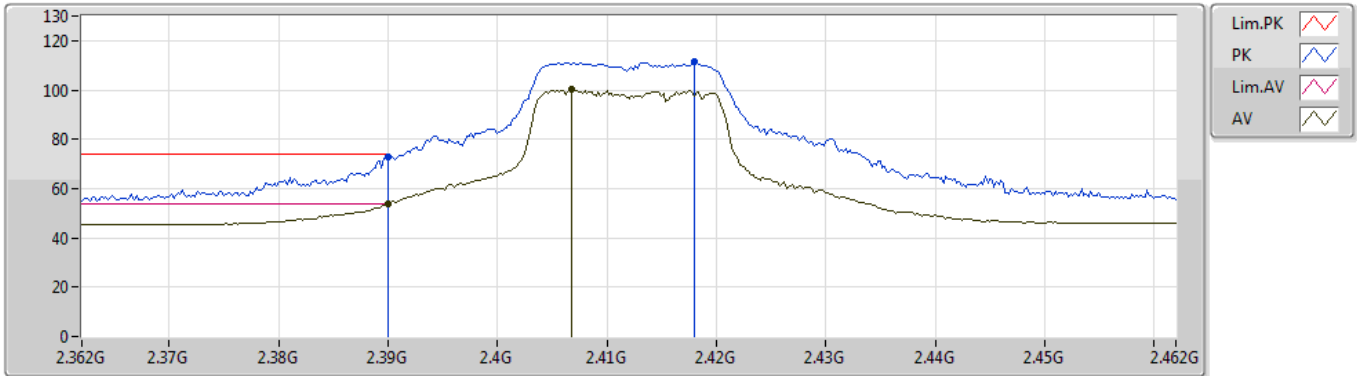


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.92388G	50.83	54.00	-3.17	3.73	3	Horizontal	188	2.52	-
PK	4.924G	54.67	74.00	-19.33	3.73	3	Horizontal	188	2.52	-

802.11g_Nss1,(6Mbps)_2TX

08/05/2019

2412MHz_TX



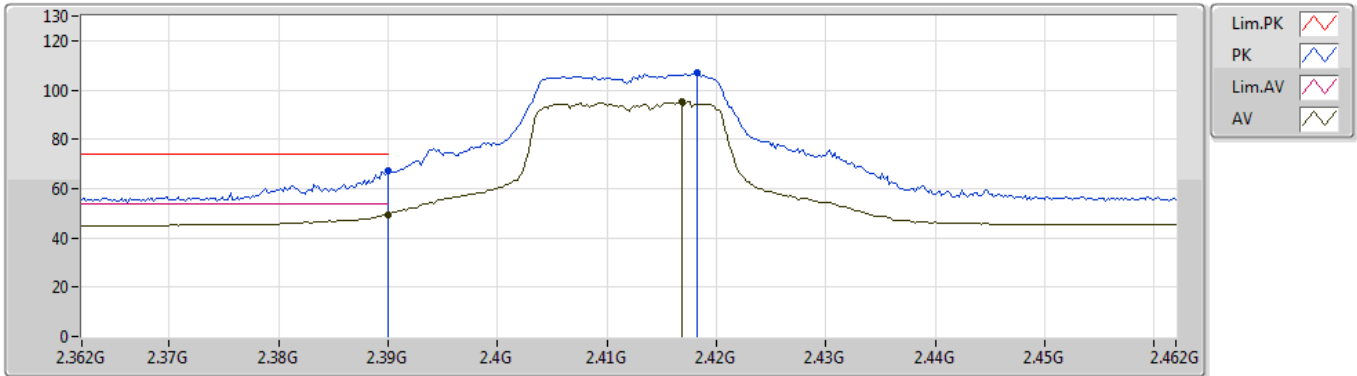
EUT = Y axis
power setting : 42,42

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	53.92	54.00	-0.08	31.86	3	Vertical	101	1.06	-
AV	2.4068G	100.06	Inf	-Inf	31.92	3	Vertical	101	1.06	-
PK	2.39G	72.93	74.00	-1.07	31.86	3	Vertical	101	1.06	-
PK	2.418G	111.47	Inf	-Inf	31.95	3	Vertical	101	1.06	-

802.11g_Nss1,(6Mbps)_2TX

08/05/2019

2412MHz_TX



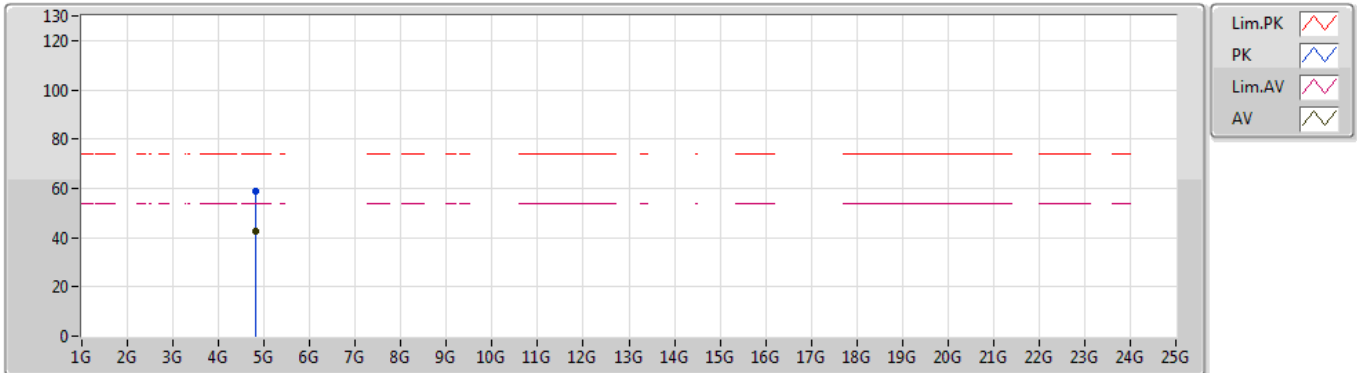
EUT = Y axis
power setting : 40,40

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	49.50	54.00	-4.50	31.86	3	Horizontal	110	1.26	-
AV	2.4168G	95.16	Inf	-Inf	31.95	3	Horizontal	110	1.26	-
PK	2.39G	67.04	74.00	-6.96	31.86	3	Horizontal	110	1.26	-
PK	2.4182G	106.93	Inf	-Inf	31.95	3	Horizontal	110	1.26	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2412MHz_TX

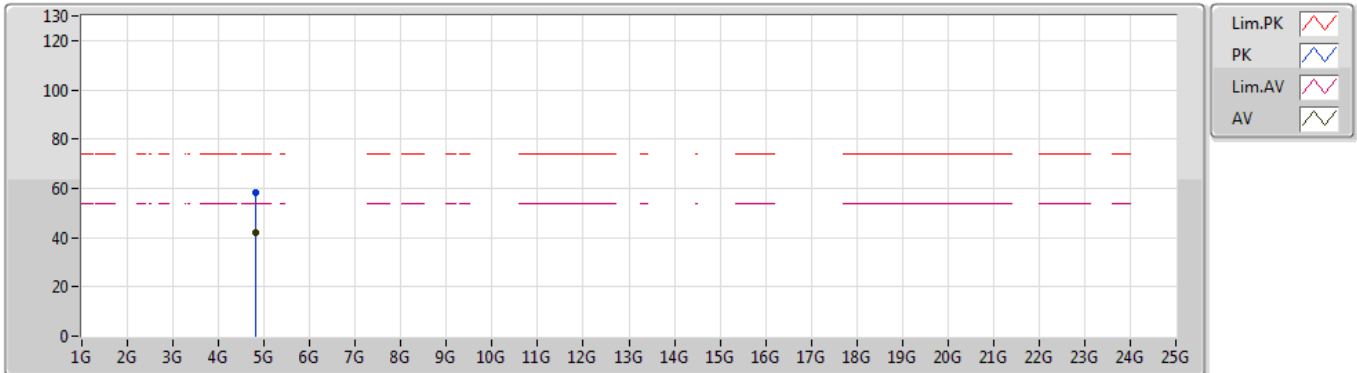


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.82352G	42.67	54.00	-11.33	3.49	3	Vertical	227	2.73	-
PK	4.8216G	58.62	74.00	-15.38	3.49	3	Vertical	227	2.73	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2412MHz_TX

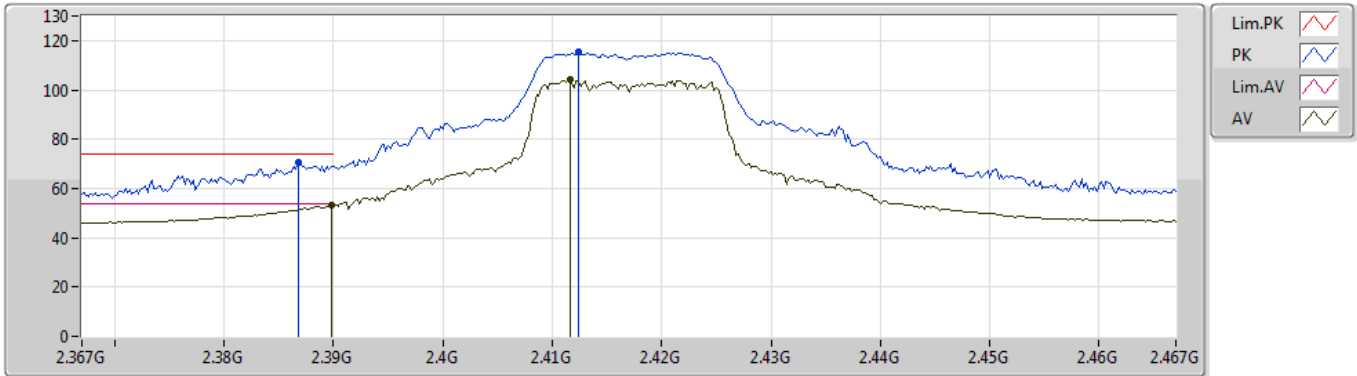


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.82316G	41.77	54.00	-12.23	3.49	3	Horizontal	215	2.71	-
PK	4.8216G	58.36	74.00	-15.64	3.49	3	Horizontal	215	2.71	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2417MHz_TX

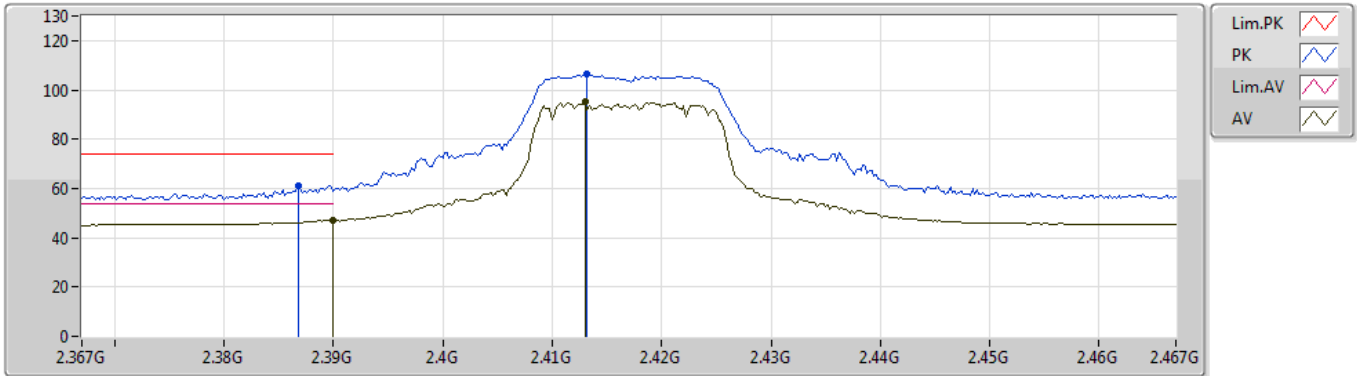


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	53.10	54.00	-0.90	31.86	3	Vertical	292	2.45	-
AV	2.4116G	103.96	Inf	-Inf	31.93	3	Vertical	292	2.45	-
PK	2.3868G	70.52	74.00	-3.48	31.84	3	Vertical	292	2.45	-
PK	2.4124G	115.17	Inf	-Inf	31.93	3	Vertical	292	2.45	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2417MHz_TX

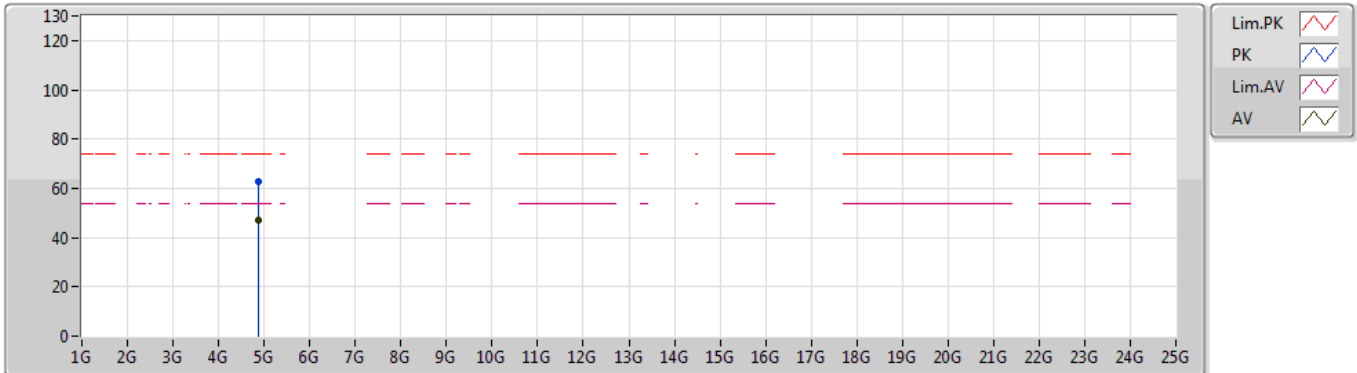


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	47.16	54.00	-6.84	31.86	3	Horizontal	192	1.03	-
AV	2.413G	95.27	Inf	-Inf	31.94	3	Horizontal	192	1.03	-
PK	2.3868G	60.83	74.00	-13.17	31.84	3	Horizontal	192	1.03	-
PK	2.4132G	106.23	Inf	-Inf	31.94	3	Horizontal	192	1.03	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2437MHz_TX

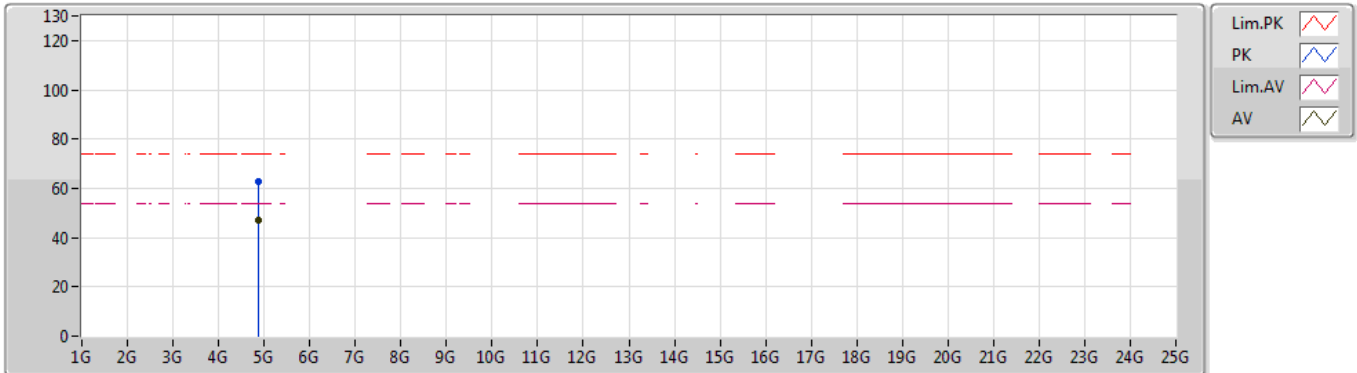


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.87382G	46.92	54.00	-7.08	3.61	3	Vertical	340	1.50	-
PK	4.8725G	62.88	74.00	-11.12	3.61	3	Vertical	340	1.50	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2437MHz_TX

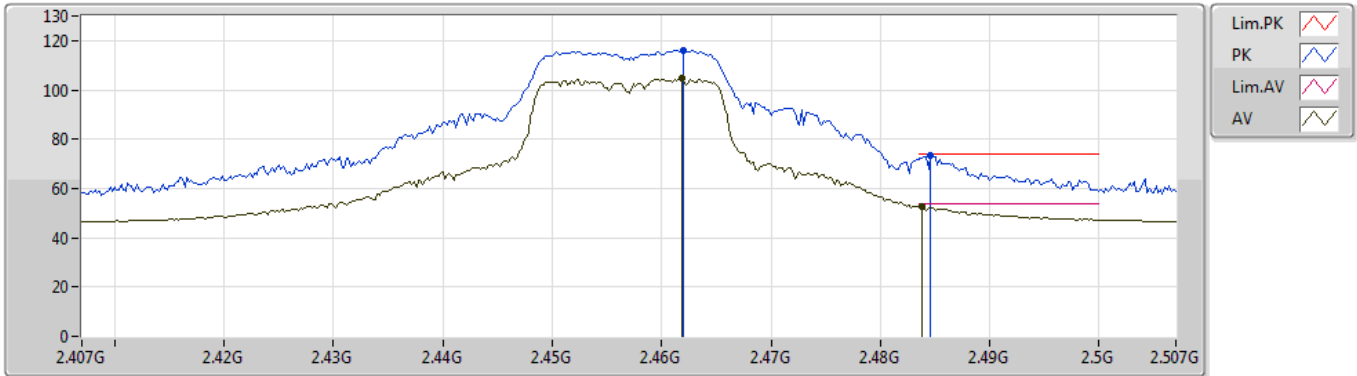


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.87382G	47.14	54.00	-6.86	3.61	3	Horizontal	199	2.83	-
PK	4.87256G	62.65	74.00	-11.35	3.61	3	Horizontal	199	2.83	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2457MHz_TX

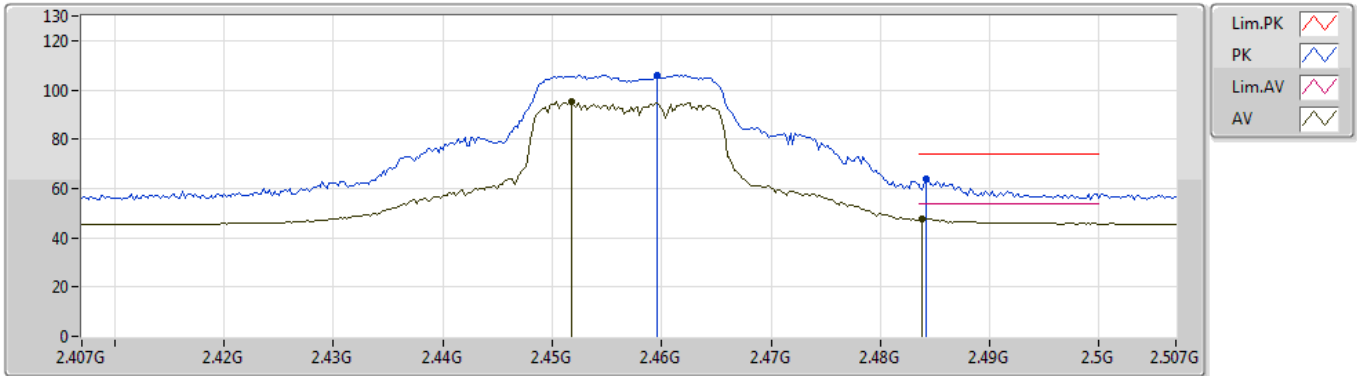


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4618G	104.99	Inf	-Inf	32.11	3	Vertical	291	2.36	-
AV	2.4838G	52.84	54.00	-1.16	32.19	3	Vertical	291	2.36	-
PK	2.462G	116.18	Inf	-Inf	32.11	3	Vertical	291	2.36	-
PK	2.4846G	73.62	74.00	-0.38	32.19	3	Vertical	291	2.36	-

802.11g_Nss1,(6Mbps)_2TX

30/04/2019

2457MHz_TX

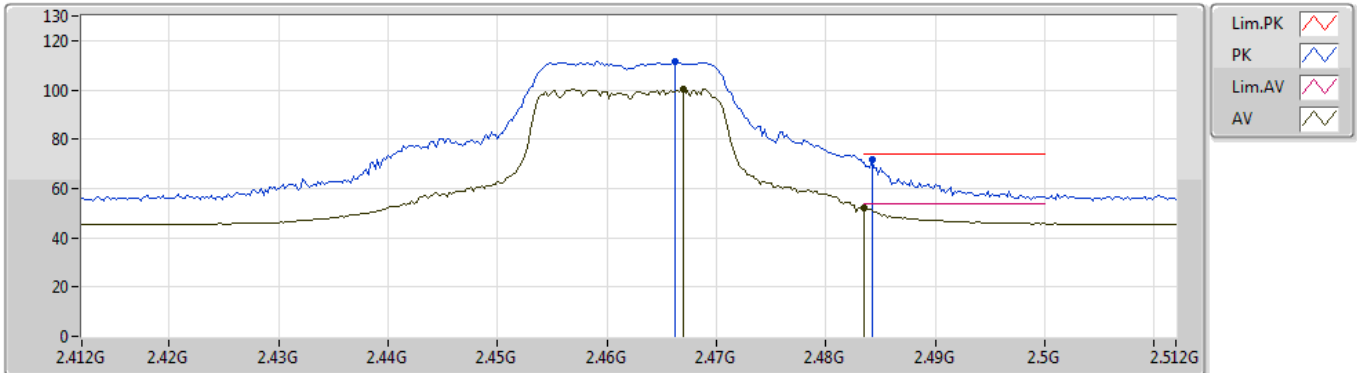


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4518G	95.20	Inf	-Inf	32.07	3	Horizontal	174	2.72	-
AV	2.4838G	47.41	54.00	-6.59	32.19	3	Horizontal	174	2.72	-
PK	2.4596G	106.00	Inf	-Inf	32.10	3	Horizontal	174	2.72	-
PK	2.4842G	63.83	74.00	-10.17	32.19	3	Horizontal	174	2.72	-

802.11g_Nss1,(6Mbps)_2TX

15/05/2019

2462MHz_TX

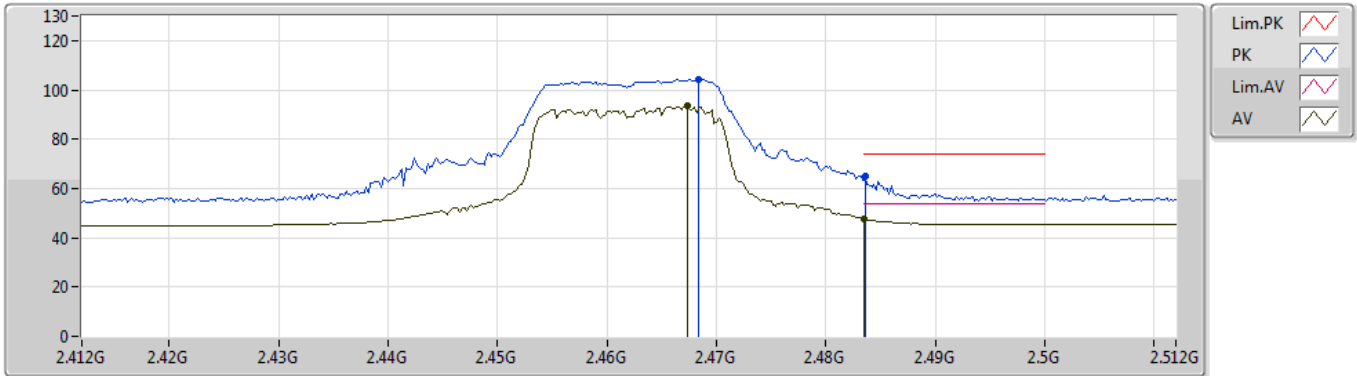


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.4662G	111.42	Inf	-Inf	32.13	3	Vertical	334	1.20	-
AV	2.467G	100.38	Inf	-Inf	32.13	3	Vertical	334	1.20	-
PK	2.4842G	71.56	74.00	-2.44	32.19	3	Vertical	334	1.20	-
AV	2.4835G	52.30	54.00	-1.70	32.19	3	Vertical	334	1.20	-

802.11g_Nss1,(6Mbps)_2TX

15/05/2019

2462MHz_TX

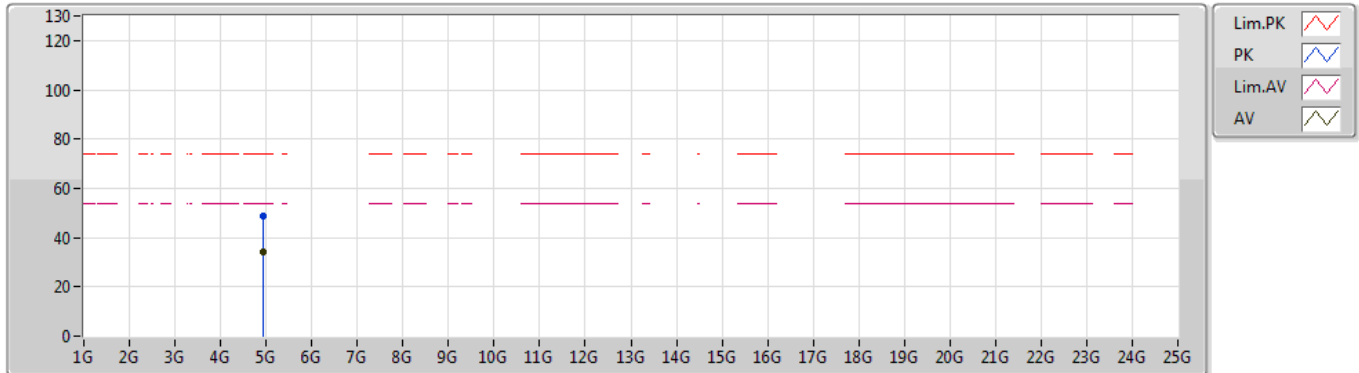


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4674G	93.41	Inf	-Inf	32.13	3	Horizontal	222	2.64	-
AV	2.4835G	47.90	54.00	-6.10	32.19	3	Horizontal	222	2.64	-
PK	2.4684G	104.34	Inf	-Inf	32.13	3	Horizontal	222	2.64	-
PK	2.4836G	65.16	74.00	-8.84	32.19	3	Horizontal	222	2.64	-

802.11g_Nss1,(6Mbps)_2TX

15/05/2019

2462MHz_TX

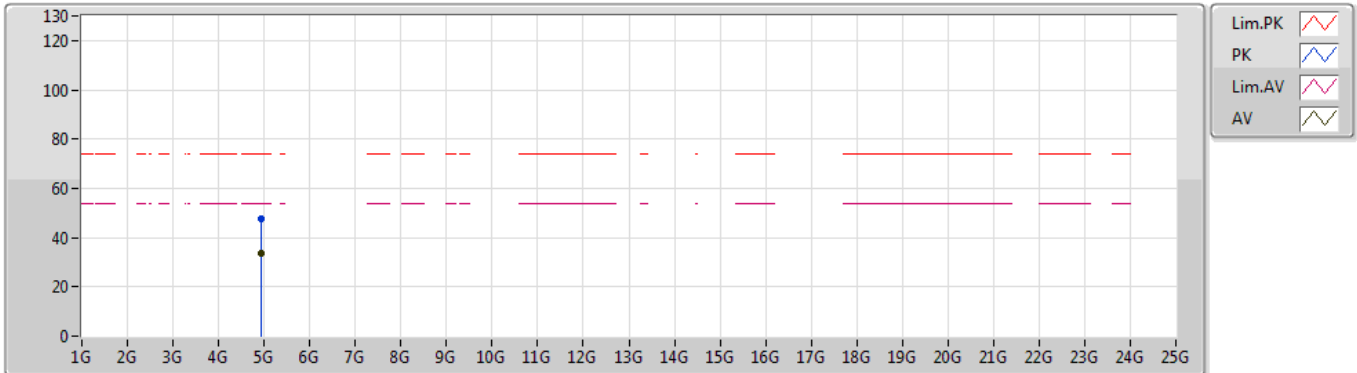


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.92514G	34.45	54.00	-19.55	3.74	3	Vertical	220	1.29	-
PK	4.92538G	48.91	74.00	-25.09	3.74	3	Vertical	220	1.29	-

802.11g_Nss1,(6Mbps)_2TX

15/05/2019

2462MHz_TX

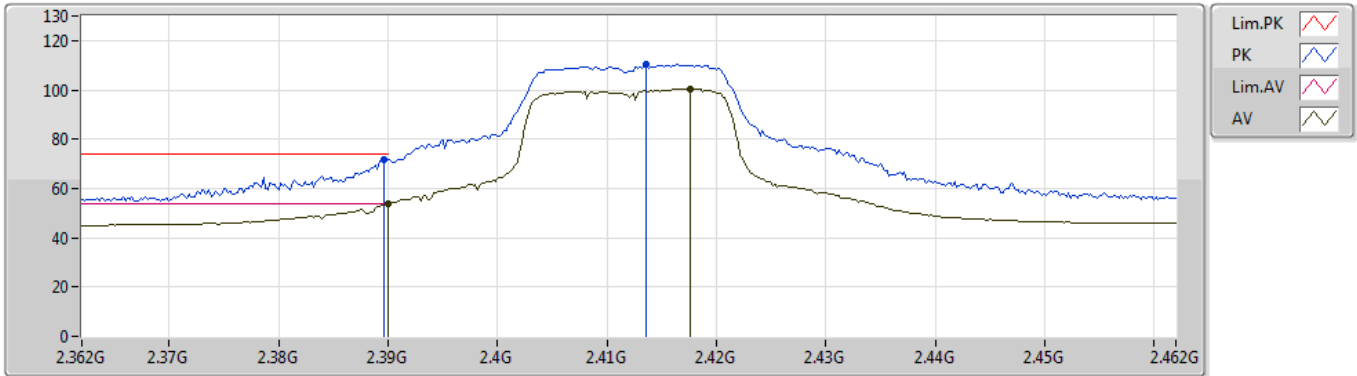


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.9213G	33.50	54.00	-20.50	3.73	3	Horizontal	190	1.98	-
PK	4.9207G	47.58	74.00	-26.42	3.73	3	Horizontal	190	1.98	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2412MHz_TX

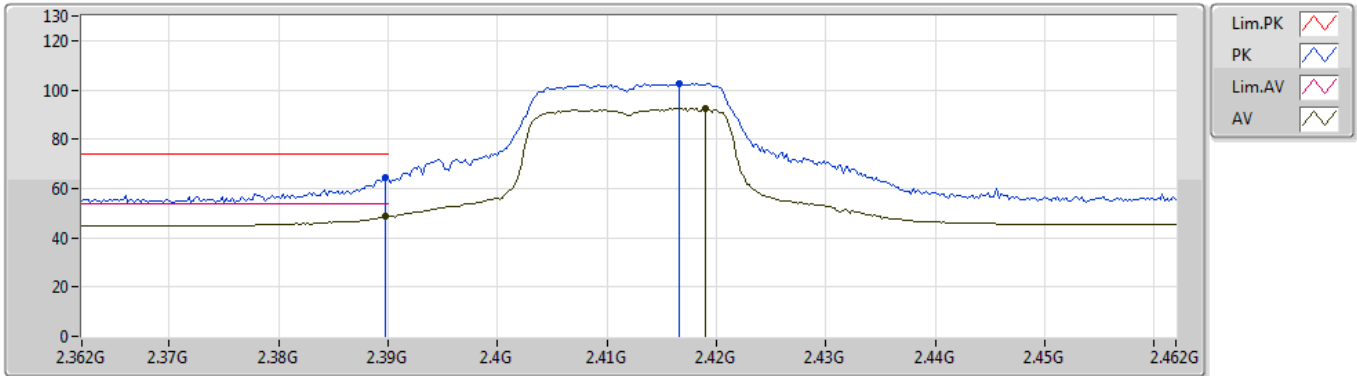


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	53.65	54.00	-0.35	31.86	3	Vertical	334	1.45	-
AV	2.4176G	100.44	Inf	-Inf	31.95	3	Vertical	334	1.45	-
PK	2.3896G	71.53	74.00	-2.47	31.86	3	Vertical	334	1.45	-
PK	2.4136G	110.39	Inf	-Inf	31.94	3	Vertical	334	1.45	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2412MHz_TX

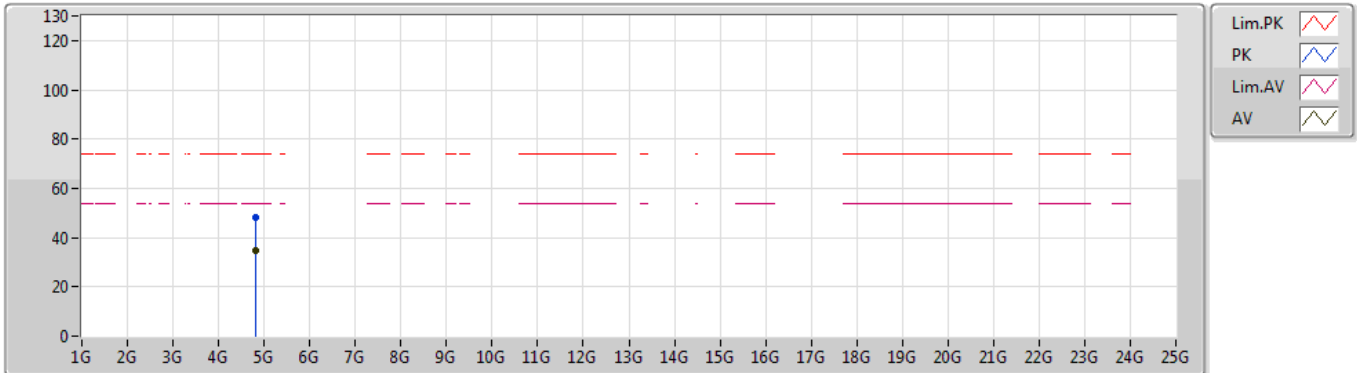


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	48.47	54.00	-5.53	31.86	3	Horizontal	209	2.45	-
AV	2.419G	92.73	Inf	-Inf	31.96	3	Horizontal	209	2.45	-
PK	2.3898G	64.44	74.00	-9.56	31.86	3	Horizontal	209	2.45	-
PK	2.4166G	102.55	Inf	-Inf	31.95	3	Horizontal	209	2.45	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2412MHz_TX

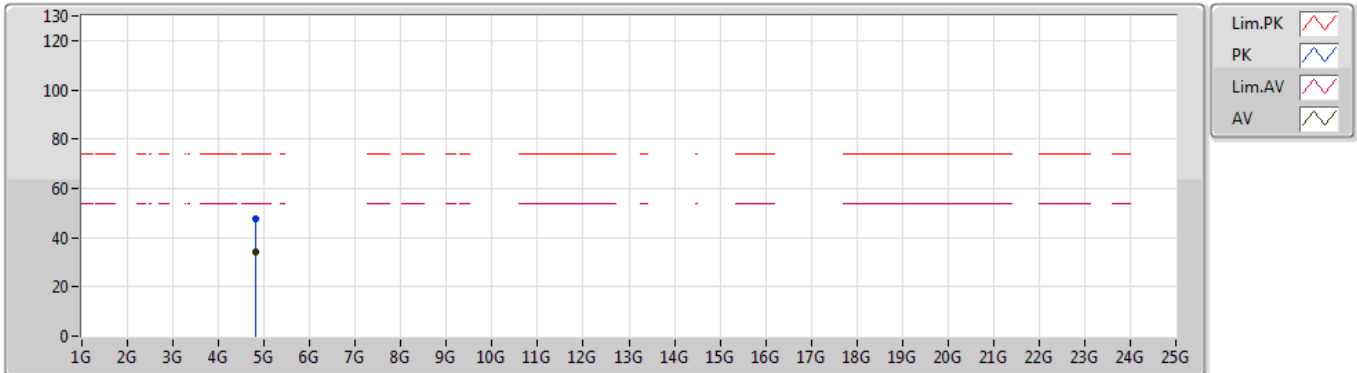


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.82418G	34.61	54.00	-19.39	3.49	3	Vertical	230	1.50	-
PK	4.8228G	48.09	74.00	-25.91	3.49	3	Vertical	230	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2412MHz_TX

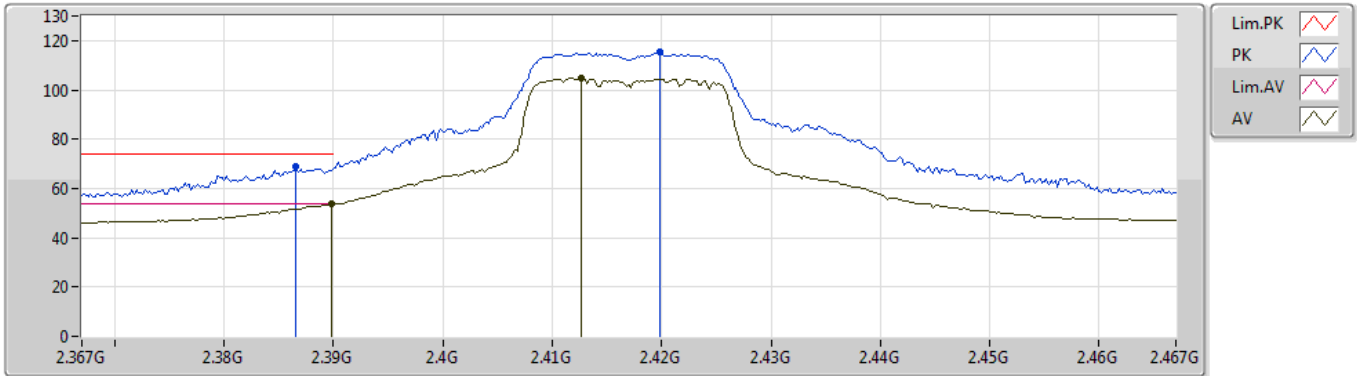


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.82406G	34.13	54.00	-19.87	3.49	3	Horizontal	216	1.74	-
PK	4.8207G	47.67	74.00	-26.33	3.49	3	Horizontal	216	1.74	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2417MHz_TX

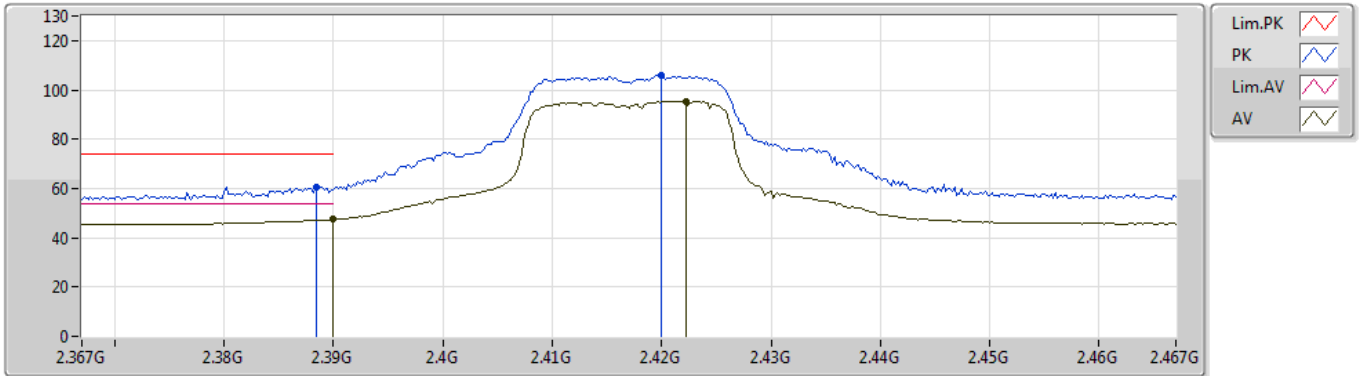


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	53.65	54.00	-0.35	31.86	3	Vertical	293	2.39	-
AV	2.4126G	104.57	Inf	-Inf	31.93	3	Vertical	293	2.39	-
PK	2.3866G	69.02	74.00	-4.98	31.84	3	Vertical	293	2.39	-
PK	2.4198G	115.66	Inf	-Inf	31.96	3	Vertical	293	2.39	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2417MHz_TX

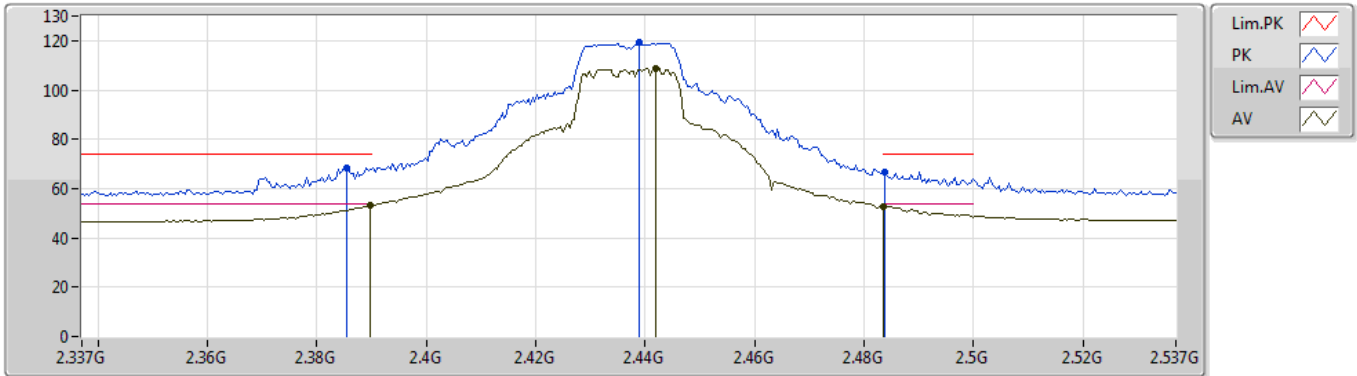


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	47.39	54.00	-6.61	31.86	3	Horizontal	188	1.07	-
AV	2.4222G	95.51	Inf	-Inf	31.97	3	Horizontal	188	1.07	-
PK	2.3884G	60.60	74.00	-13.40	31.85	3	Horizontal	188	1.07	-
PK	2.42G	106.17	Inf	-Inf	31.96	3	Horizontal	188	1.07	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2437MHz_TX

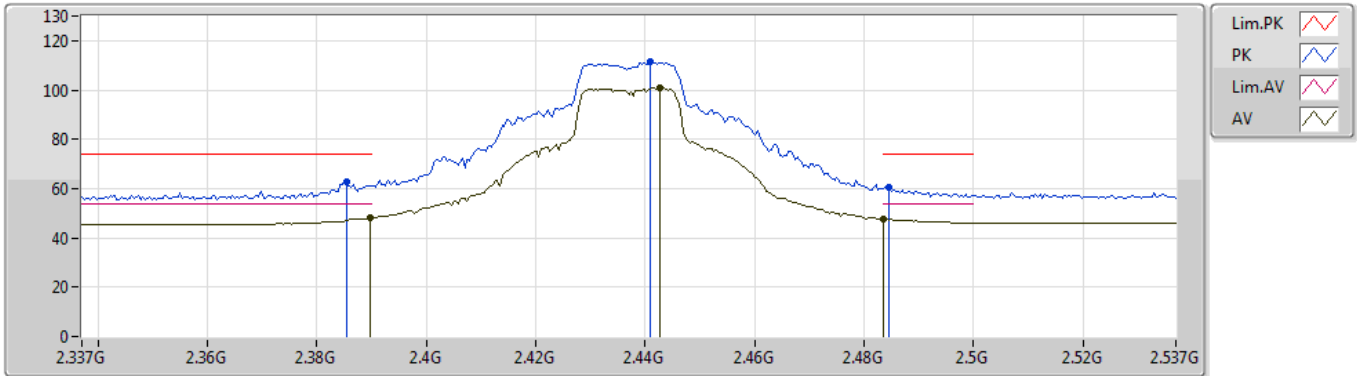


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	53.26	54.00	-0.74	31.86	3	Vertical	291	2.69	-
AV	2.4418G	108.55	Inf	-Inf	32.04	3	Vertical	291	2.69	-
AV	2.4835G	52.82	54.00	-1.18	32.19	3	Vertical	291	2.69	-
PK	2.3854G	68.47	74.00	-5.53	31.83	3	Vertical	291	2.69	-
PK	2.439G	119.31	Inf	-Inf	32.03	3	Vertical	291	2.69	-
PK	2.4838G	66.96	74.00	-7.04	32.19	3	Vertical	291	2.69	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2437MHz_TX

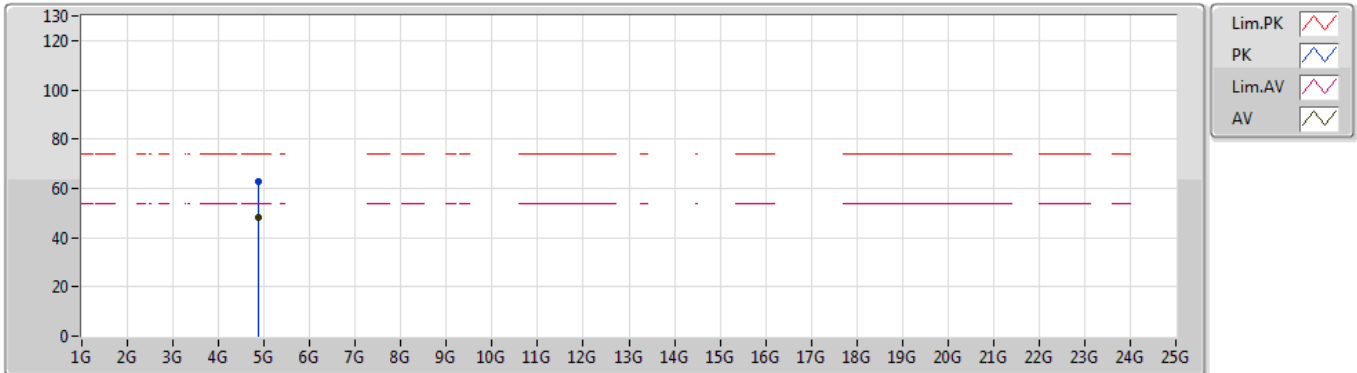


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	48.18	54.00	-5.82	31.86	3	Horizontal	253	2.99	-
AV	2.4426G	101.11	Inf	-Inf	32.04	3	Horizontal	253	2.99	-
AV	2.4835G	47.66	54.00	-6.34	32.19	3	Horizontal	253	2.99	-
PK	2.3854G	62.73	74.00	-11.27	31.83	3	Horizontal	253	2.99	-
PK	2.441G	111.45	Inf	-Inf	32.04	3	Horizontal	253	2.99	-
PK	2.4846G	60.57	74.00	-13.43	32.19	3	Horizontal	253	2.99	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2437MHz_TX

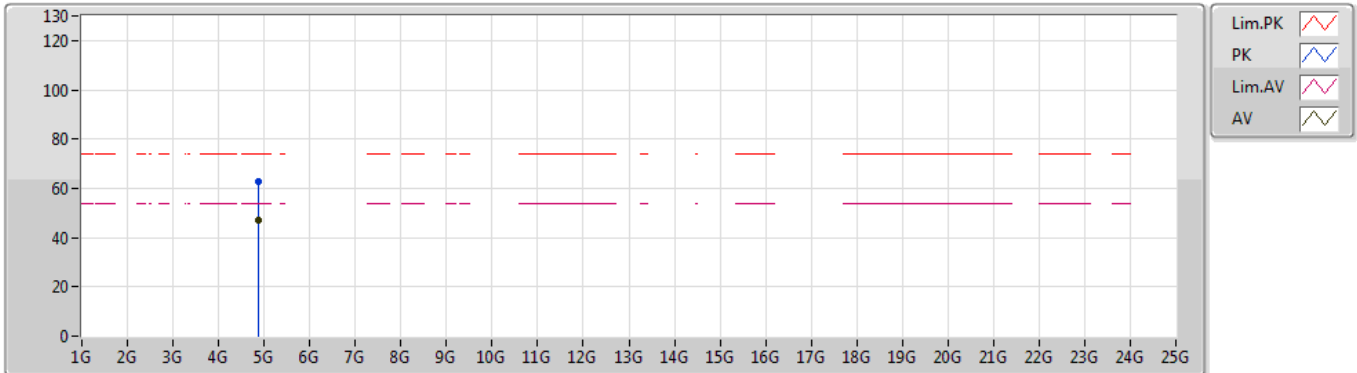


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.87586G	48.20	54.00	-5.80	3.62	3	Vertical	48	1.25	-
PK	4.87304G	62.73	74.00	-11.27	3.61	3	Vertical	48	1.25	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2437MHz_TX

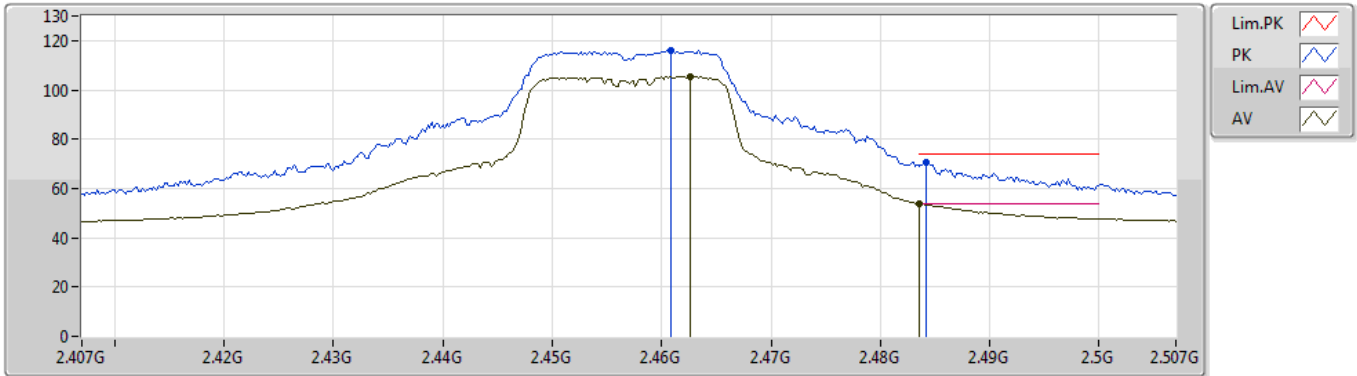


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.87604G	46.99	54.00	-7.01	3.62	3	Horizontal	32	2.71	-
PK	4.87304G	62.55	74.00	-11.45	3.61	3	Horizontal	32	2.71	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2457MHz_TX

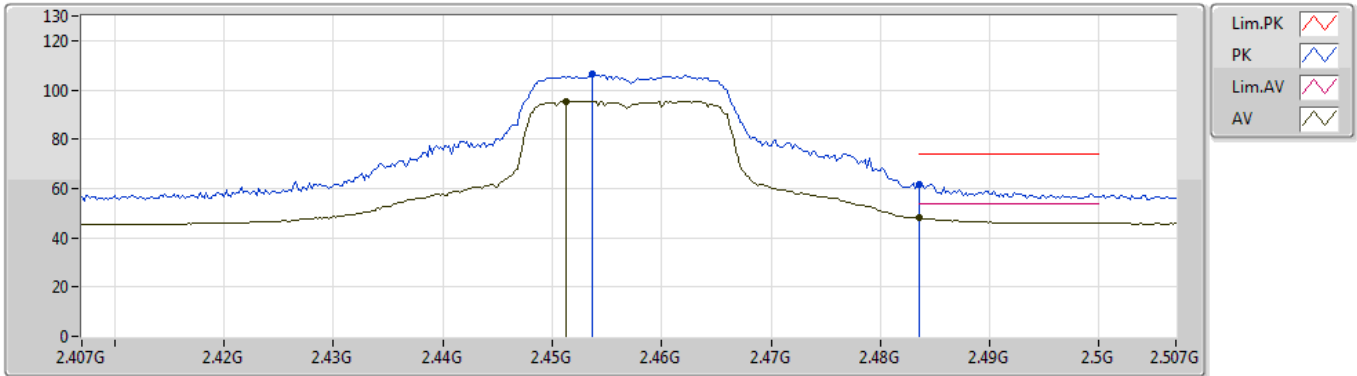


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4626G	105.43	Inf	-Inf	32.11	3	Vertical	292	2.32	-
AV	2.4835G	53.88	54.00	-0.12	32.19	3	Vertical	292	2.32	-
PK	2.4608G	116.03	Inf	-Inf	32.11	3	Vertical	292	2.32	-
PK	2.4842G	70.60	74.00	-3.40	32.19	3	Vertical	292	2.32	-

802.11n HT20_Nss1,(MCS0)_2TX

30/04/2019

2457MHz_TX

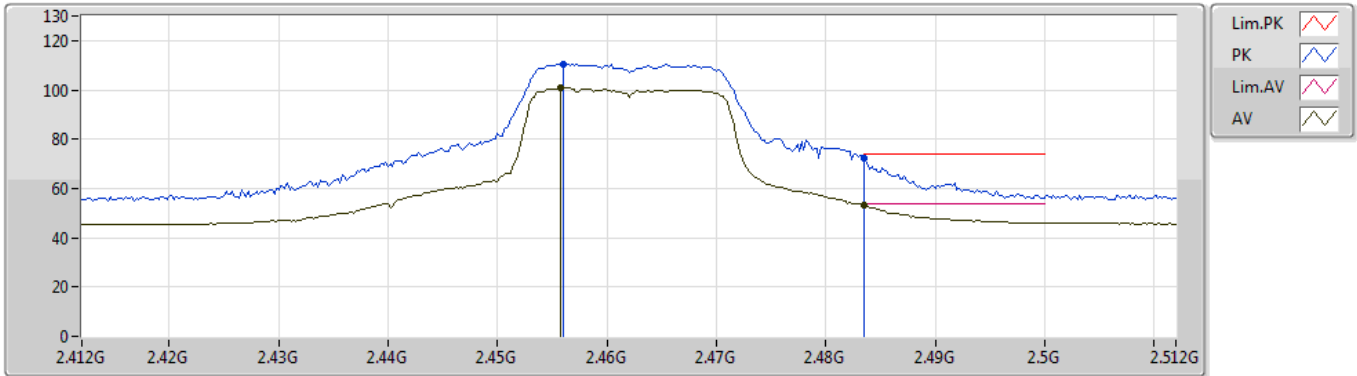


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4512G	95.47	Inf	-Inf	32.07	3	Horizontal	172	2.74	-
AV	2.4835G	48.04	54.00	-5.96	32.19	3	Horizontal	172	2.74	-
PK	2.4536G	106.26	Inf	-Inf	32.08	3	Horizontal	172	2.74	-
PK	2.4836G	61.72	74.00	-12.28	32.19	3	Horizontal	172	2.74	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2462MHz_TX

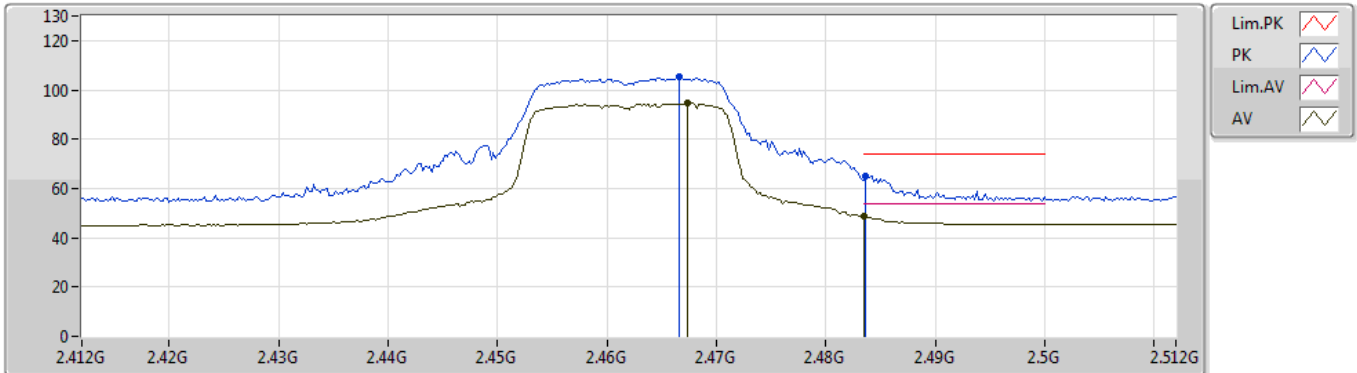


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4558G	100.84	Inf	-Inf	32.09	3	Vertical	336	1.03	-
AV	2.4835G	52.97	54.00	-1.03	32.19	3	Vertical	336	1.03	-
PK	2.456G	110.38	Inf	-Inf	32.09	3	Vertical	336	1.03	-
PK	2.4835G	72.45	74.00	-1.55	32.19	3	Vertical	336	1.03	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2462MHz_TX

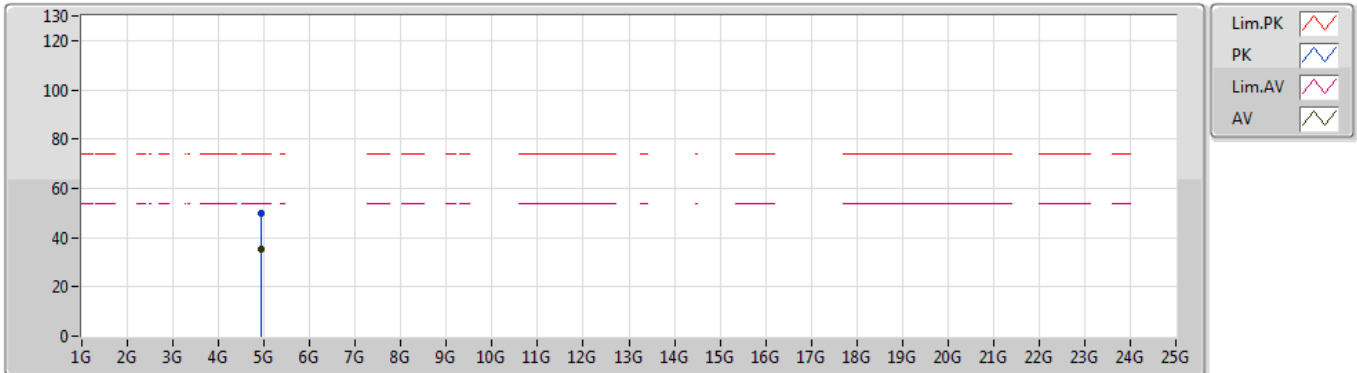


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.4674G	94.54	Inf	-Inf	32.13	3	Horizontal	223	1.99	-
AV	2.4835G	48.62	54.00	-5.38	32.19	3	Horizontal	223	1.99	-
PK	2.4666G	105.07	Inf	-Inf	32.13	3	Horizontal	223	1.99	-
PK	2.4836G	65.11	74.00	-8.89	32.19	3	Horizontal	223	1.99	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2462MHz_TX

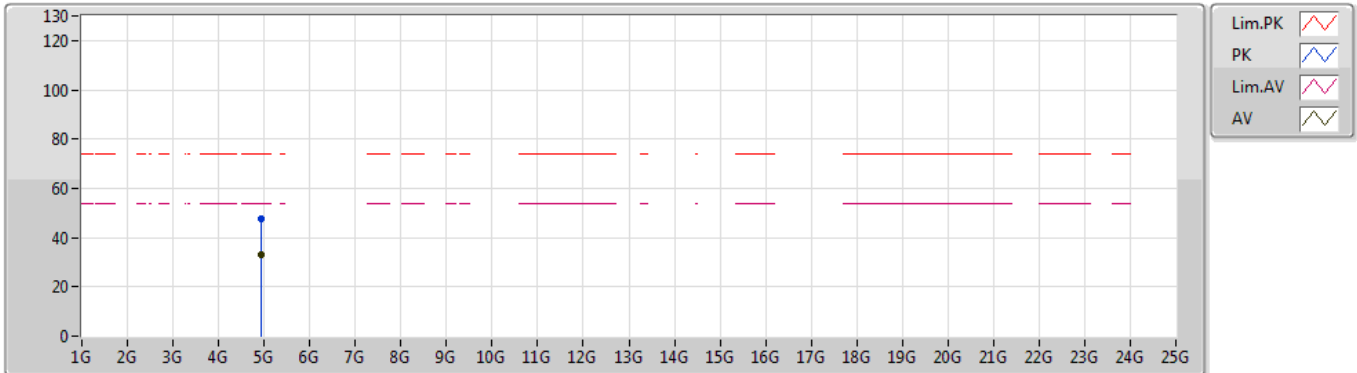


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.9243G	35.41	54.00	-18.59	3.73	3	Vertical	218	1.28	-
PK	4.92148G	49.79	74.00	-24.21	3.73	3	Vertical	218	1.28	-

802.11n HT20_Nss1,(MCS0)_2TX

15/05/2019

2462MHz_TX

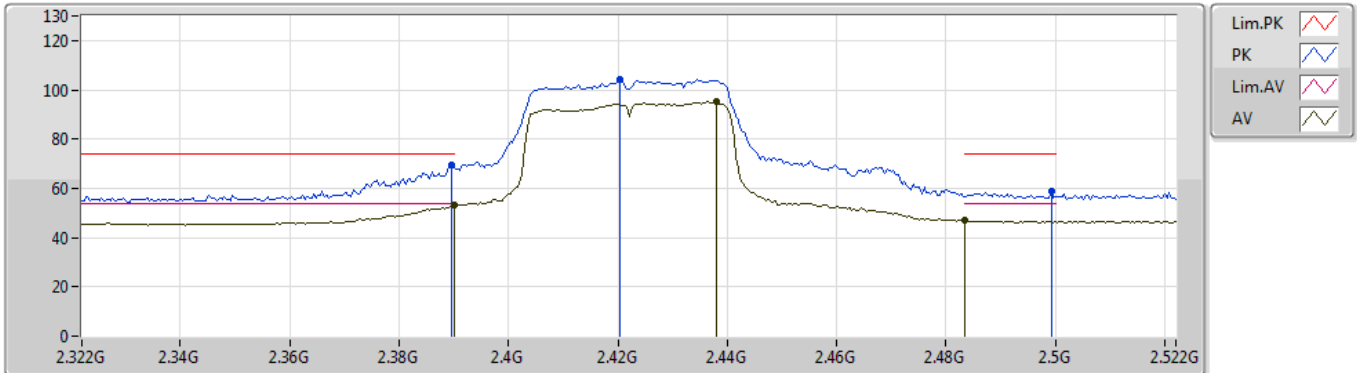


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.92448G	33.28	54.00	-20.72	3.73	3	Horizontal	216	1.47	-
PK	4.9213G	47.66	74.00	-26.34	3.73	3	Horizontal	216	1.47	-

802.11n HT40_Nss1,(MCS0)_2TX

07/05/2019

2422MHz_TX



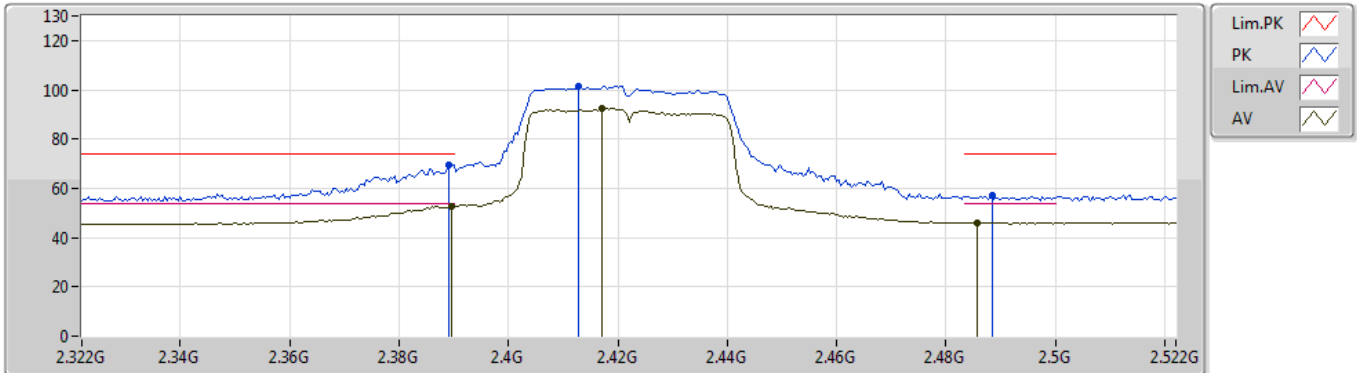
EUT = Y axis
power setting : 38,38

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.39G	53.03	54.00	-0.97	31.86	3	Vertical	355	1.59	-
AV	2.438G	95.01	Inf	-Inf	32.02	3	Vertical	355	1.59	-
AV	2.4835G	46.81	54.00	-7.19	32.19	3	Vertical	355	1.59	-
PK	2.3896G	69.38	74.00	-4.62	31.86	3	Vertical	355	1.59	-
PK	2.4204G	103.96	Inf	-Inf	31.96	3	Vertical	355	1.59	-
PK	2.4992G	58.65	74.00	-15.35	32.25	3	Vertical	355	1.59	-

802.11n HT40_Nss1,(MCS0)_2TX

07/05/2019

2422MHz_TX



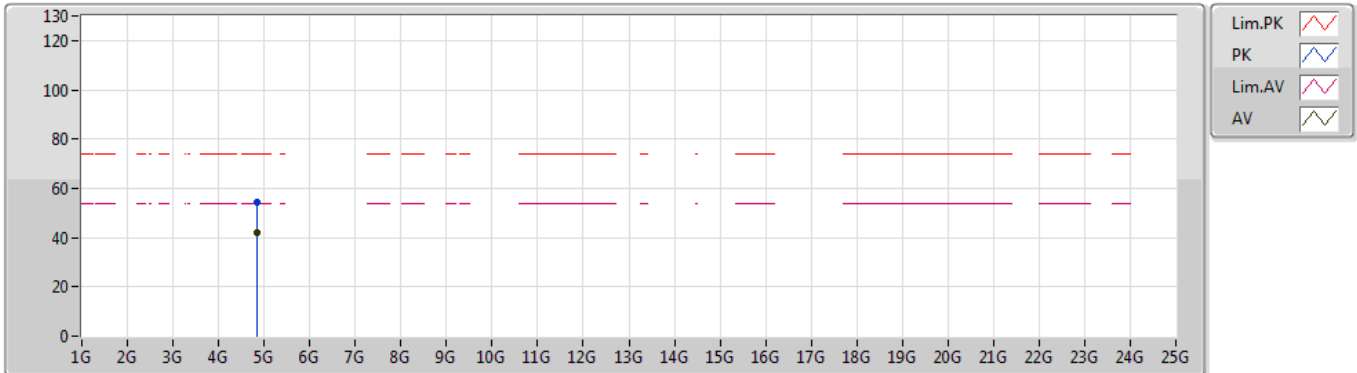
EUT = Y axis
power setting : 38,38

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3896G	52.80	54.00	-1.20	31.86	3	Horizontal	227	1.57	-
AV	2.4172G	92.32	Inf	-Inf	31.95	3	Horizontal	227	1.57	-
AV	2.4856G	46.10	54.00	-7.90	32.20	3	Horizontal	227	1.57	-
PK	2.3892G	69.36	74.00	-4.64	31.85	3	Horizontal	227	1.57	-
PK	2.4128G	101.53	Inf	-Inf	31.93	3	Horizontal	227	1.57	-
PK	2.4884G	56.98	74.00	-17.02	32.20	3	Horizontal	227	1.57	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2422MHz_TX

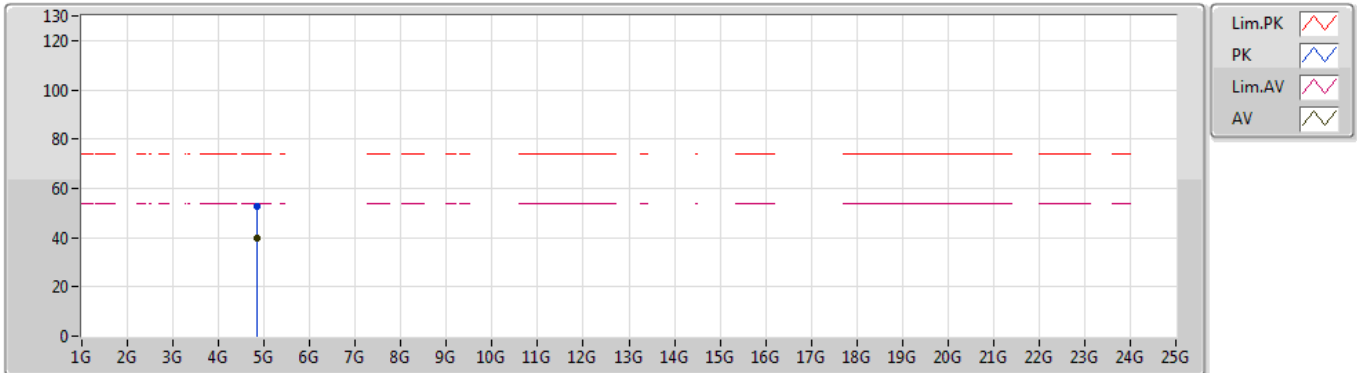


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.8422G	41.90	54.00	-12.10	3.54	3	Vertical	233	2.25	-
PK	4.8486G	54.37	74.00	-19.63	3.55	3	Vertical	233	2.25	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2422MHz_TX

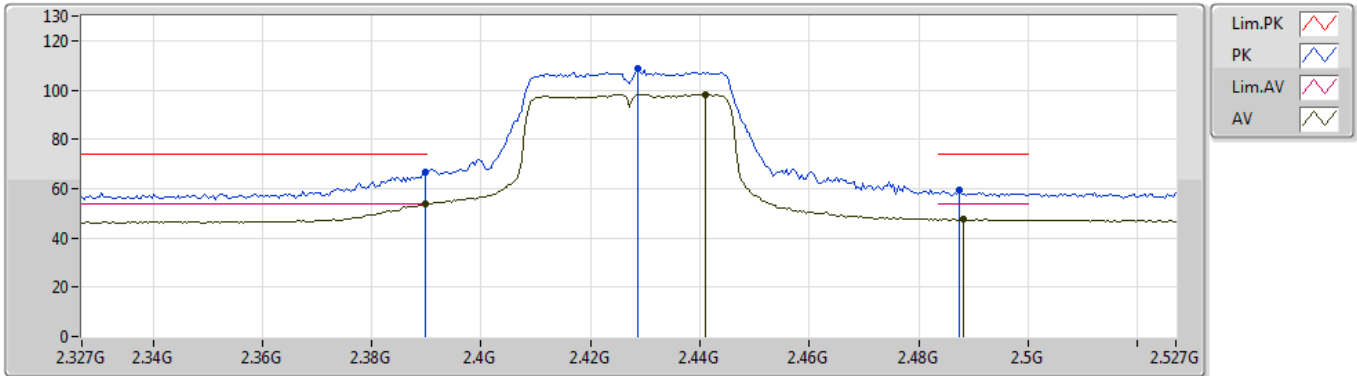


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.8424G	40.06	54.00	-13.94	3.54	3	Horizontal	212	2.57	-
PK	4.8428G	52.65	74.00	-21.35	3.54	3	Horizontal	212	2.57	-

802.11n HT40_Nss1,(MCS0)_2TX

30/04/2019

2427MHz_TX

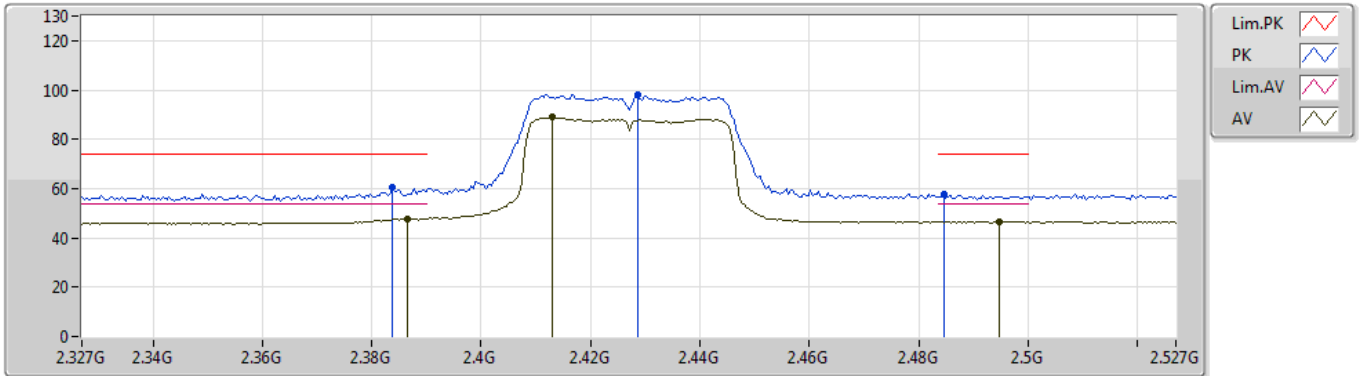


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	53.78	54.00	-0.22	31.86	3	Vertical	292	2.67	-
AV	2.441G	98.23	Inf	-Inf	32.04	3	Vertical	292	2.67	-
AV	2.4882G	47.60	54.00	-6.40	32.20	3	Vertical	292	2.67	-
PK	2.3898G	66.58	74.00	-7.42	31.86	3	Vertical	292	2.67	-
PK	2.4286G	108.58	Inf	-Inf	31.99	3	Vertical	292	2.67	-
PK	2.4874G	59.52	74.00	-14.48	32.20	3	Vertical	292	2.67	-

802.11n HT40_Nss1,(MCS0)_2TX

30/04/2019

2427MHz_TX

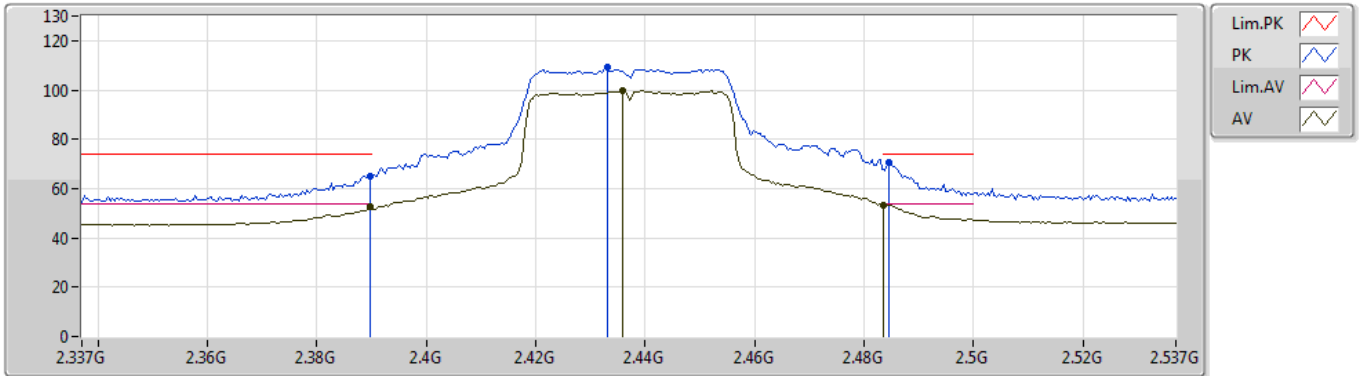


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3866G	47.69	54.00	-6.31	31.84	3	Horizontal	190	1.00	-
AV	2.413G	89.11	Inf	-Inf	31.94	3	Horizontal	190	1.00	-
AV	2.4946G	46.63	54.00	-7.37	32.23	3	Horizontal	190	1.00	-
PK	2.3838G	60.75	74.00	-13.25	31.83	3	Horizontal	190	1.00	-
PK	2.4286G	98.23	Inf	-Inf	31.99	3	Horizontal	190	1.00	-
PK	2.4846G	57.46	74.00	-16.54	32.19	3	Horizontal	190	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2437MHz_TX

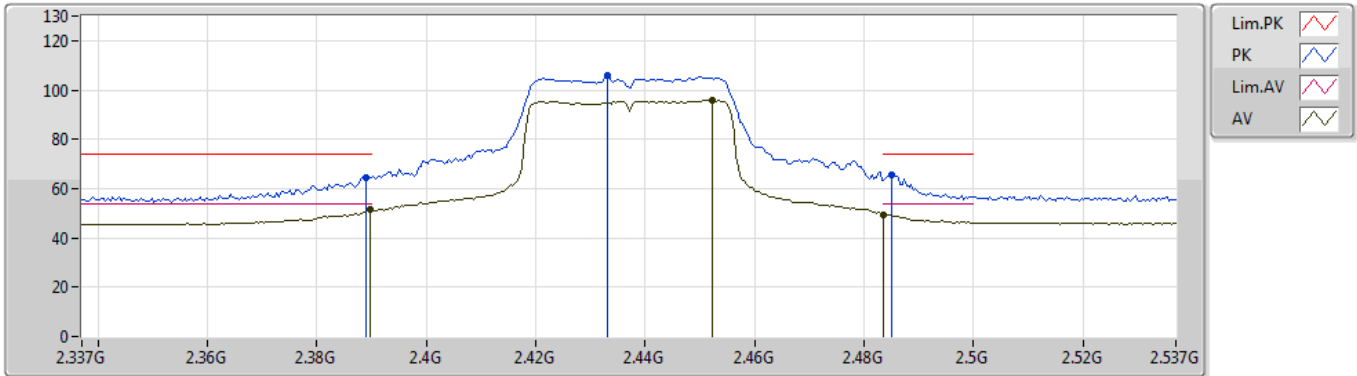


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	52.45	54.00	-1.55	31.86	3	Vertical	0	2.62	-
AV	2.4358G	99.77	Inf	-Inf	32.02	3	Vertical	0	2.62	-
AV	2.4835G	53.51	54.00	-0.49	32.19	3	Vertical	0	2.62	-
PK	2.3898G	65.16	74.00	-8.84	31.86	3	Vertical	0	2.62	-
PK	2.433G	109.27	Inf	-Inf	32.01	3	Vertical	0	2.62	-
PK	2.4846G	70.42	74.00	-3.58	32.19	3	Vertical	0	2.62	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2437MHz_TX

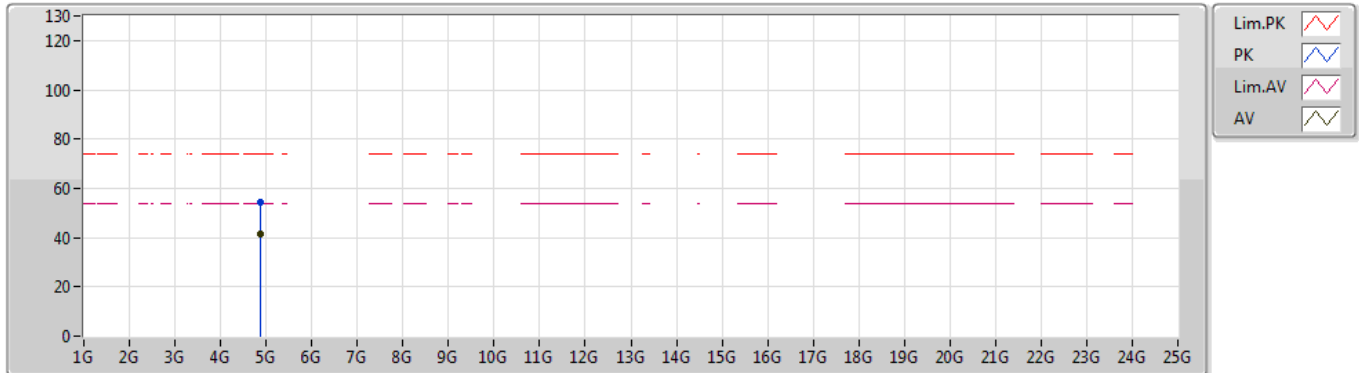


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	51.64	54.00	-2.36	31.86	3	Horizontal	164	1.24	-
AV	2.4522G	96.01	Inf	-Inf	32.08	3	Horizontal	164	1.24	-
AV	2.4835G	49.52	54.00	-4.48	32.19	3	Horizontal	164	1.24	-
PK	2.389G	64.65	74.00	-9.35	31.85	3	Horizontal	164	1.24	-
PK	2.433G	105.77	Inf	-Inf	32.01	3	Horizontal	164	1.24	-
PK	2.485G	65.55	74.00	-8.45	32.19	3	Horizontal	164	1.24	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2437MHz_TX

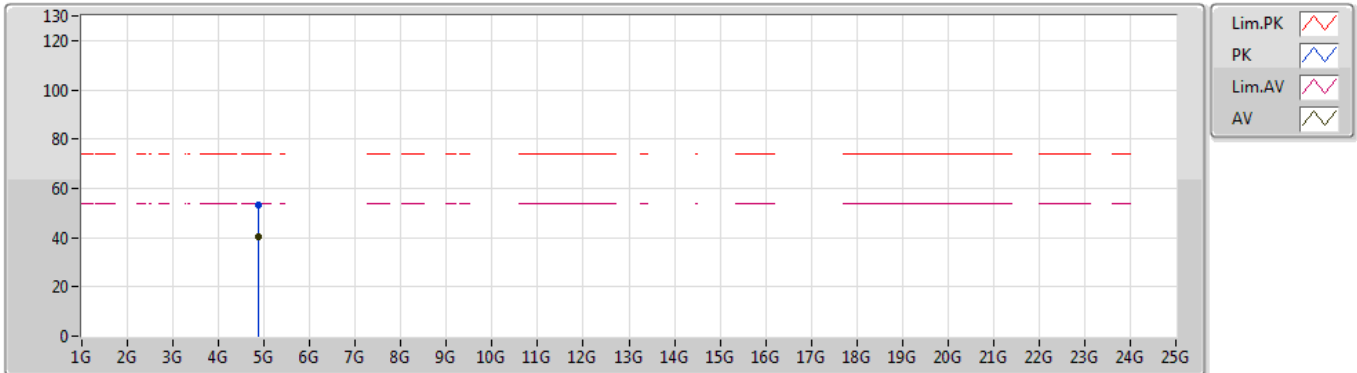


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.874G	41.59	54.00	-12.41	3.61	3	Vertical	227	2.10	-
PK	4.8708G	54.11	74.00	-19.89	3.61	3	Vertical	227	2.10	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2437MHz_TX

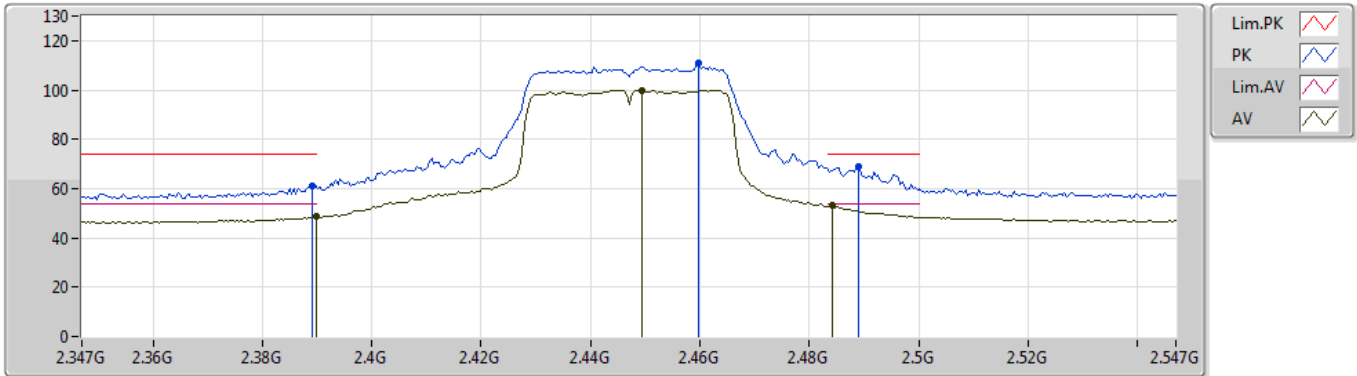


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.8698G	40.47	54.00	-13.53	3.61	3	Horizontal	211	2.69	-
PK	4.8708G	53.32	74.00	-20.68	3.61	3	Horizontal	211	2.69	-

802.11n HT40_Nss1,(MCS0)_2TX

30/04/2019

2447MHz_TX

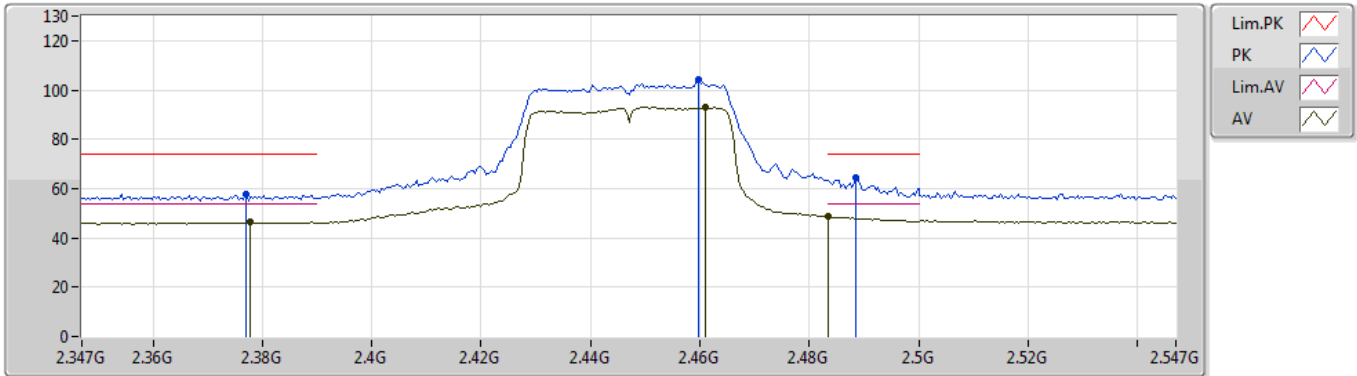


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3898G	48.59	54.00	-5.41	31.86	3	Vertical	291	2.34	-
AV	2.4494G	99.99	Inf	-Inf	32.07	3	Vertical	291	2.34	-
AV	2.4842G	53.14	54.00	-0.86	32.19	3	Vertical	291	2.34	-
PK	2.389G	61.33	74.00	-12.67	31.85	3	Vertical	291	2.34	-
PK	2.4598G	110.69	Inf	-Inf	32.10	3	Vertical	291	2.34	-
PK	2.489G	68.69	74.00	-5.31	32.20	3	Vertical	291	2.34	-

802.11n HT40_Nss1,(MCS0)_2TX

30/04/2019

2447MHz_TX

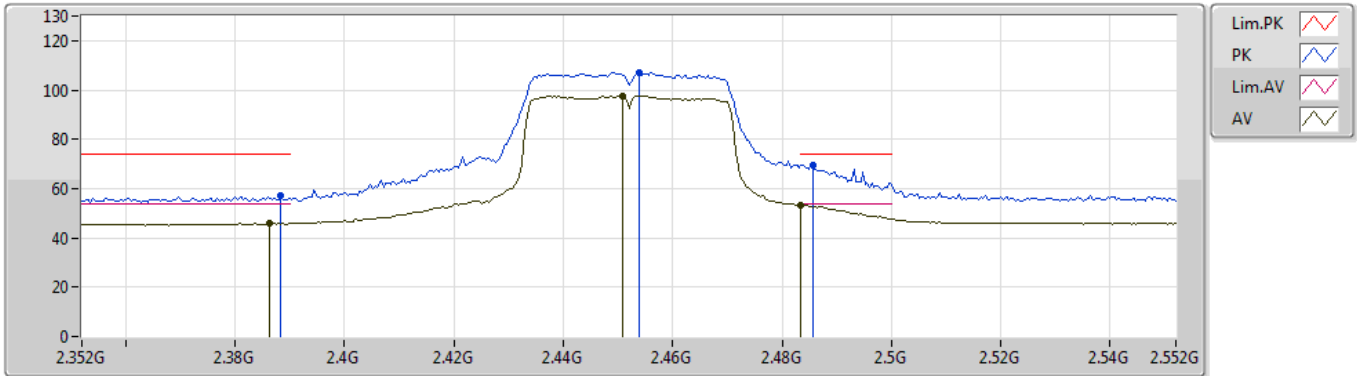


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3778G	46.32	54.00	-7.68	31.81	3	Horizontal	254	2.88	-
AV	2.461G	92.93	Inf	-Inf	32.11	3	Horizontal	254	2.88	-
AV	2.4835G	48.80	54.00	-5.20	32.19	3	Horizontal	254	2.88	-
PK	2.377G	57.52	74.00	-16.48	31.80	3	Horizontal	254	2.88	-
PK	2.4598G	104.11	Inf	-Inf	32.10	3	Horizontal	254	2.88	-
PK	2.4886G	64.18	74.00	-9.82	32.20	3	Horizontal	254	2.88	-

802.11n HT40_Nss1,(MCS0)_2TX

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2452MHz_TX

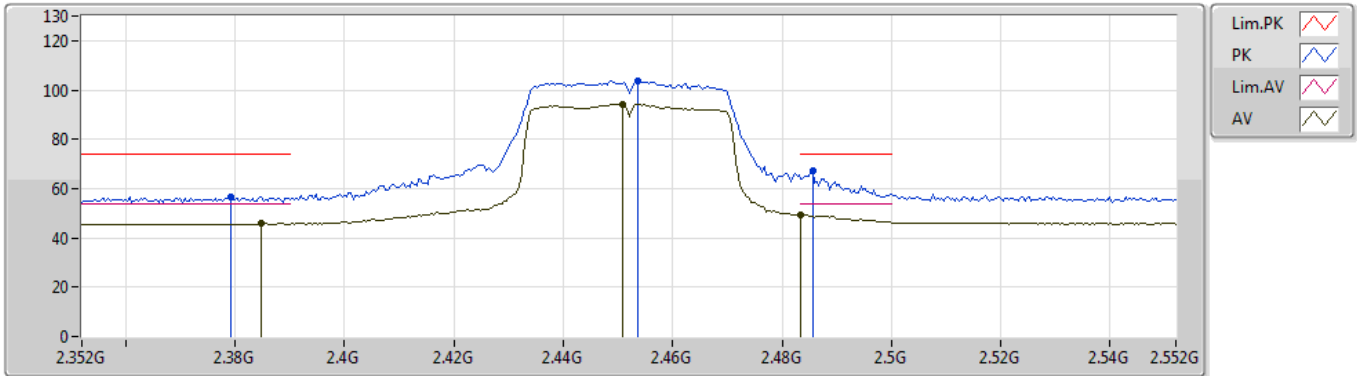


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3864G	45.97	54.00	-8.03	31.84	3	Vertical	359	2.58	-
AV	2.4508G	97.76	Inf	-Inf	32.07	3	Vertical	359	2.58	-
AV	2.4835G	53.31	54.00	-0.69	32.19	3	Vertical	359	2.58	-
PK	2.3884G	56.88	74.00	-17.12	31.85	3	Vertical	359	2.58	-
PK	2.454G	107.04	Inf	-Inf	32.08	3	Vertical	359	2.58	-
PK	2.4856G	69.69	74.00	-4.31	32.20	3	Vertical	359	2.58	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2452MHz_TX

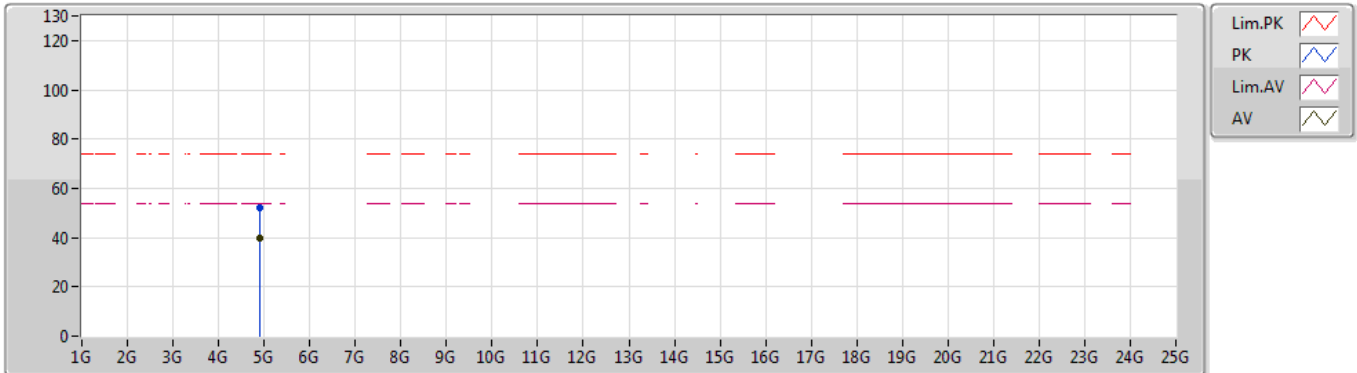


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	2.3848G	45.73	54.00	-8.27	31.83	3	Horizontal	166	1.25	-
AV	2.4508G	94.24	Inf	-Inf	32.07	3	Horizontal	166	1.25	-
AV	2.4835G	49.38	54.00	-4.62	32.19	3	Horizontal	166	1.25	-
PK	2.3792G	56.65	74.00	-17.35	31.82	3	Horizontal	166	1.25	-
PK	2.4536G	103.70	Inf	-Inf	32.08	3	Horizontal	166	1.25	-
PK	2.4856G	67.00	74.00	-7.00	32.20	3	Horizontal	166	1.25	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2452MHz_TX

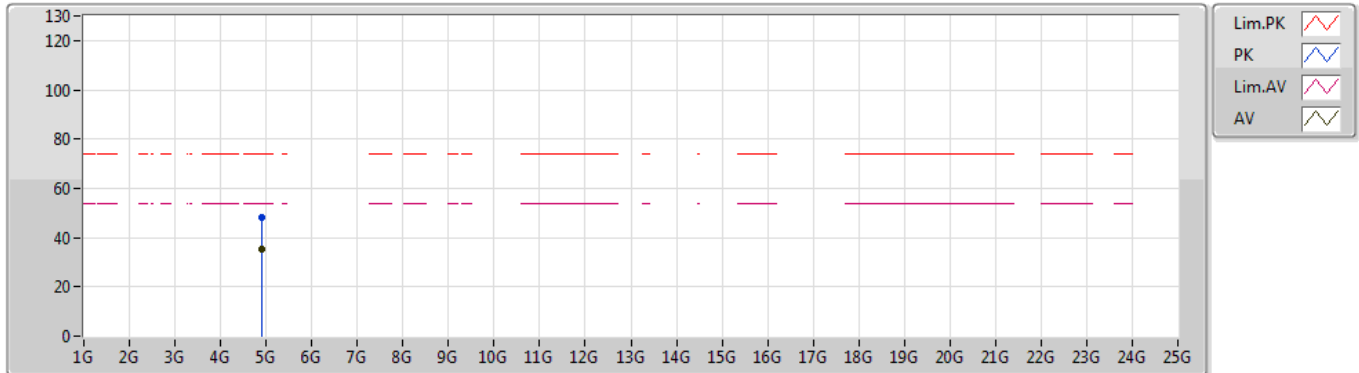


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.9049G	39.58	54.00	-14.42	3.69	3	Vertical	229	2.16	-
PK	4.9012G	52.23	74.00	-21.77	3.68	3	Vertical	229	2.16	-

802.11n HT40_Nss1,(MCS0)_2TX

20/04/2019

2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
AV	4.9027G	35.54	54.00	-18.46	3.68	3	Horizontal	72	1.29	-
PK	4.9032G	48.17	74.00	-25.83	3.69	3	Horizontal	72	1.29	-