

FCC Test Report

FCC ID : H8NAP5620W
Equipment : WIFI Tri-band Mesh RE
Model Name : AP5620W-RoHS
**Applicant/
Manufacturer** : Askey Computer Corp.
10F, No.119, Jiankang Road, Zhonghe
Dist., New Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 05, 2019, and testing was started from Jun. 05, 2019 and completed on Sep. 20, 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



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Kate Lo



1 General Description

1.1 Information

Radio	Chip	Function	TX
1	IPQ4019	WLAN 2.4G+WLAN 5G(U-NII-1/U-NII-2A)	2
2	QCA9984	WLAN 5G(U-NII-2C/U-NII-3)	4
3	CSR 8811	Bluetooth	1

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), ac (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ac (VHT40)	2422-2452	3-9 [7]

Non-Beamforming

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	VHT20	20	2TX
2.4-2.4835GHz	VHT40	40	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	VHT40-BF	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.
- ◆ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ◆ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Remark
1	Airgain	F2430DL	FPC	Spring contact	For Radio 1
2	Airgain	F2430DL	FPC	Spring contact	
3	Airgain	N5X20BLOM3	PCB	I-PEX	For Radio 2
4	Airgain	F5X30BL	FPC	Spring contact	
5	Airgain	F5X30BL	FPC	Spring contact	
6	Airgain	N5X20BLOM2	PCB	I-PEX	
7	Airgain	N2430LTMSSBK4	SMT PCB antenna	N/A	For Radio 3

Ant.	Port	Gain (dBi)											
		2.4G		5G								BT	
				U-NII-1		U-NII-2A		U-NII-2C		U-NII-3			
		Peak	Correlated	Peak	Correlated	Peak	Correlated	Peak	Correlated	Peak	Correlated	Peak	Correlated
1	1	1.1	4.0	1.5	5.8	1.4	5.4	-	-	-	-	-	-
2	2	1.1	4.0	1.5	5.8	1.4	5.4	-	-	-	-	-	-
3	1	-	-	-	-	-	-	0.8	6.6	0.5	6.2	-	-
4	2	-	-	-	-	-	-	0.8	6.6	0.5	6.2	-	-
5	3	-	-	-	-	-	-	0.8	6.6	0.5	6.2	-	-
6	4	-	-	-	-	-	-	0.8	6.6	0.5	6.2	-	-
7	1	-	-	-	-	-	-	-	-	-	-	0.9	-

Note 1: The EUT have seven antennas.

For 2.4GHz function:

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

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

For 5GHz function:

U-NII-1/U-NII-2A:

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

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

U-NII-2C/U-NII-3:

For IEEE 802.11 a/n/ac mode (4TX/4RX)

Ant. 3 (port 1), Ant. 4 (port 2), Ant. 5 (port 3) and Ant. 6 (port 4) could transmit/receive simultaneously.

For BT function:

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

Ant. 7 (port 1) could transmit/receive simultaneously.



1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Switching Power Supply			
EUT Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input 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

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.03	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11g	0.994	0.03	n/a (DC≥0.98)	n/a (DC≥0.98)
VHT20	0.984	0.07	n/a (DC≥0.98)	n/a (DC≥0.98)
VHT40	0.969	0.14	2.441m	1k

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
VHT20-BF	0.836	0.78	1.776m	1k
VHT40-BF	0.613	2.13	1.712m	1k

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
- ◆ KDB 414788 D01 v01r01

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
AC Conduction	CO04-HY	Edward	23.5~26.2°C / 61.8~67.2%	20/Sep/2019
RF Conducted	TH07-HY	Clara	23.3~25.3°C / 59~63%	05/Jun/2019~19/Sep/2019
Radiated	03CH09-HY	Andy	23.2~24.6°C / 52.1~53.2%	02/Sep/2019~18/Sep/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	QRCT V3.0.239.0
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	19
2417MHz	21.5
2437MHz	21.5
2457MHz	21.5
2462MHz	19.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	19
2417MHz	21
2437MHz	23.5
2457MHz	21
2462MHz	19
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	21
2437MHz	25
2457MHz	21
2462MHz	20.5
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	19
2427MHz	19
2437MHz	20.5
2447MHz	19
2452MHz	19






Beamforming

Mode	Power Setting
VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	22
2437MHz	22
2457MHz	22
2462MHz	21
VHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	21
2427MHz	22
2437MHz	23
2447MHz	22
2452MHz	22

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	Switching Power Supply 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	Switching Power Supply mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1(2.4G)+Radio 1(5G)+Radio 2(5G)+Radio 3(Bluetooth)
2	Radio 1(2.4G)+Radio 1(5G)
Refer to Sporton Test Report No.: FA991916 for Co-location RF Exposure Evaluation(Mode 1) and Appendix G for Radiated Emission Co-location(Mode 2).	



2.4 Support Equipment

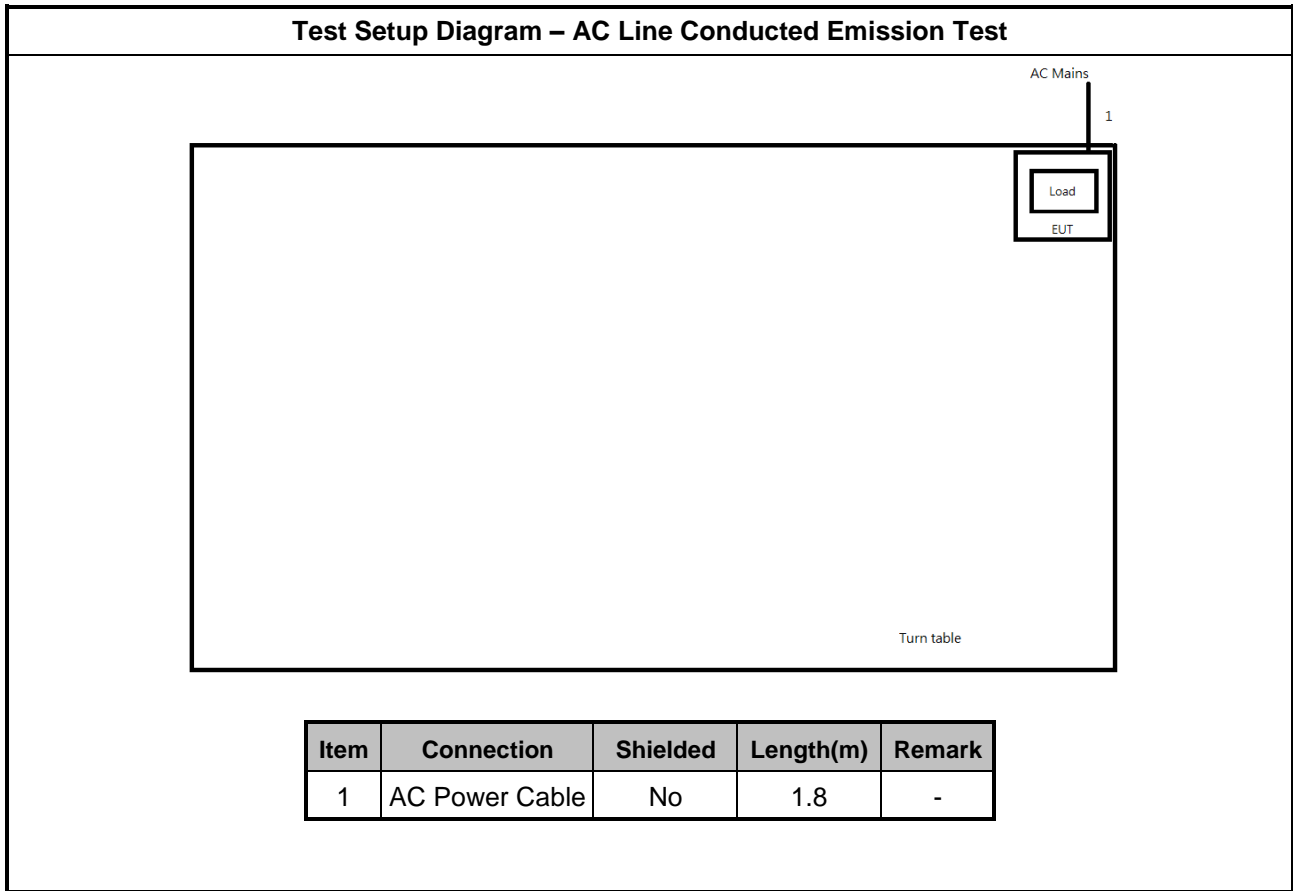
Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Power Cable	Power Sync	PW-GPC180-3	-
2	LAN Cable	Power sync	CAT-6E-10	N/A

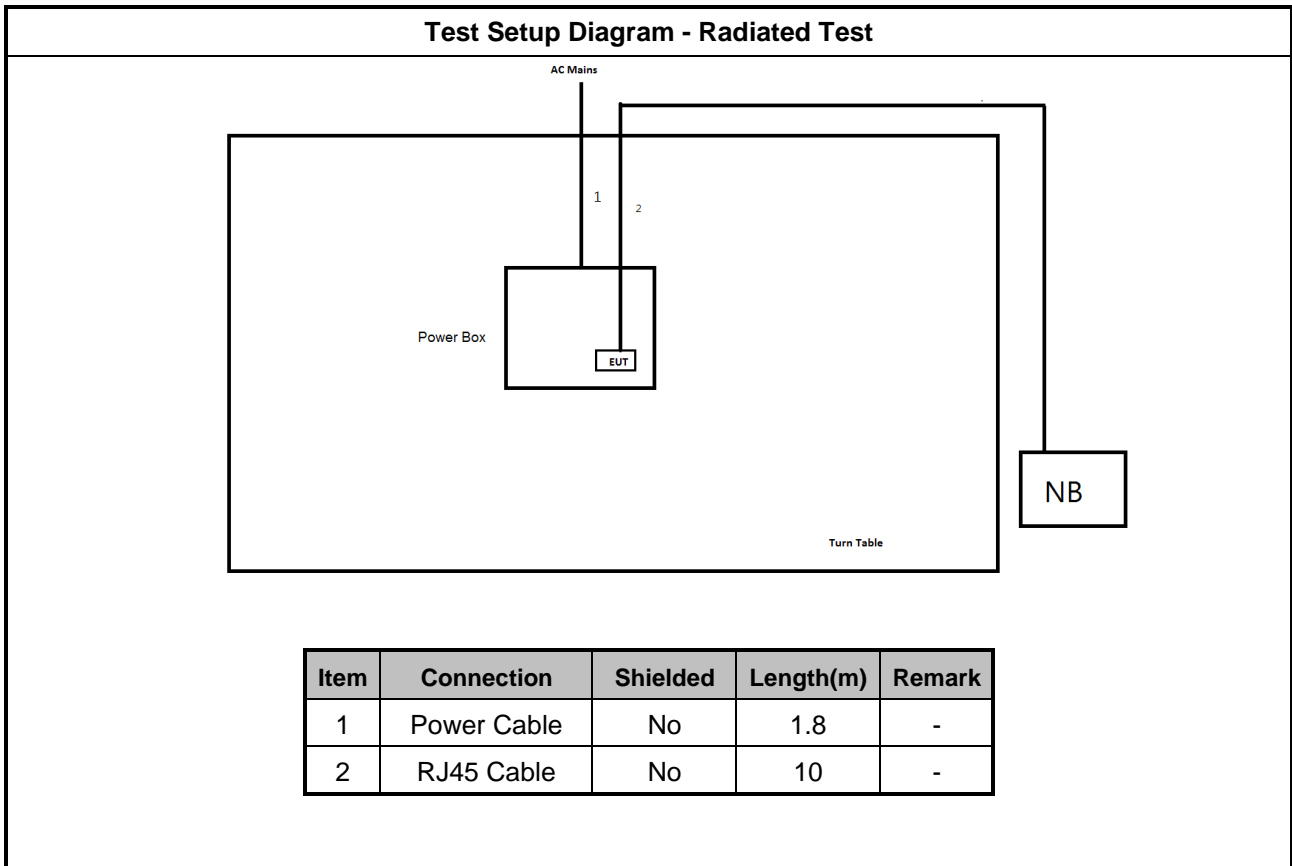
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DOC
2	Adapter for NB	DELL	HA65NM130	DOC

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Client for BF	-	-	-

Note: Support equipment No.1 was provided by customer.

2.5 Test Setup Diagram







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.

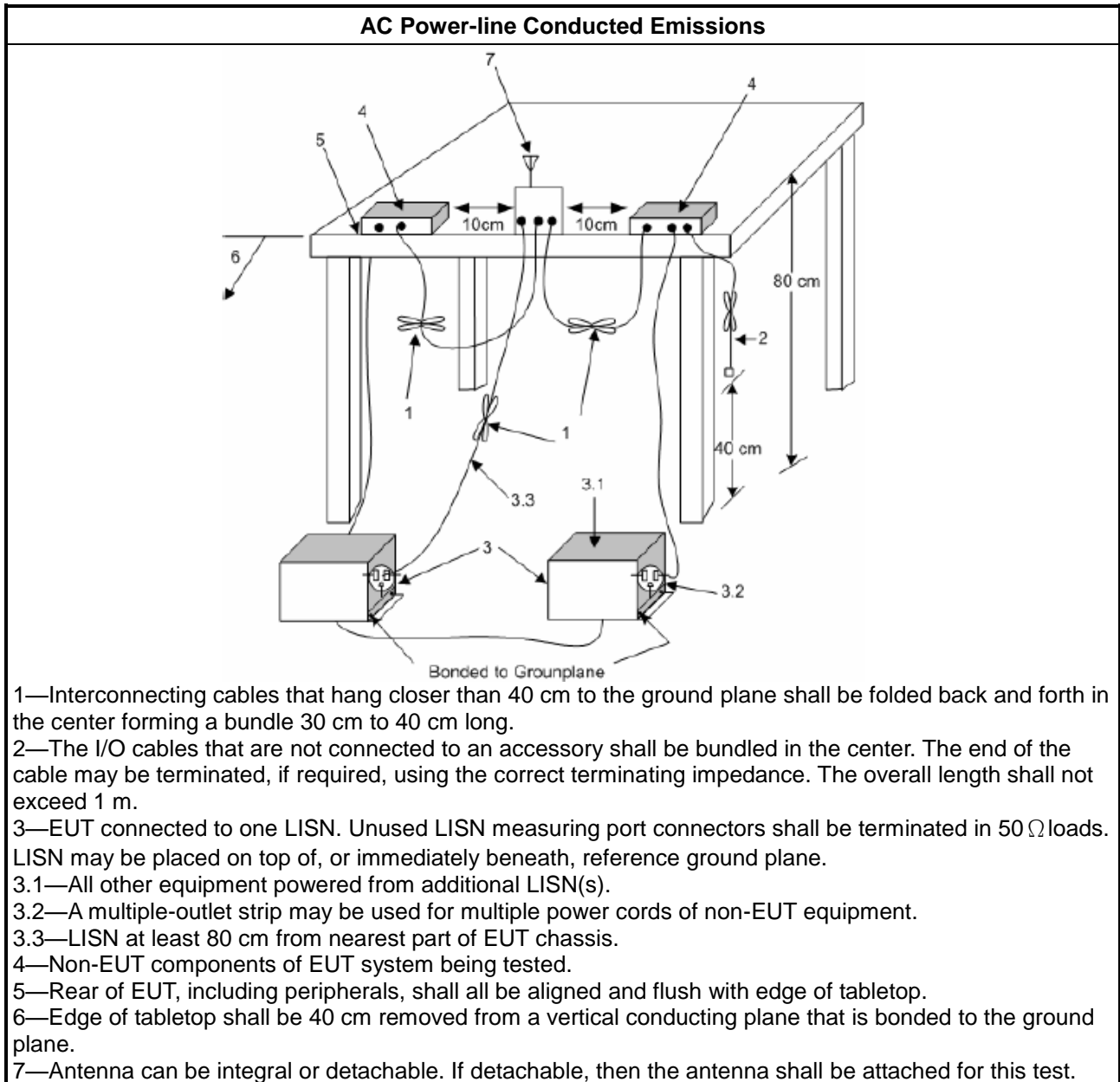
3.1.2 Measuring Instruments

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.

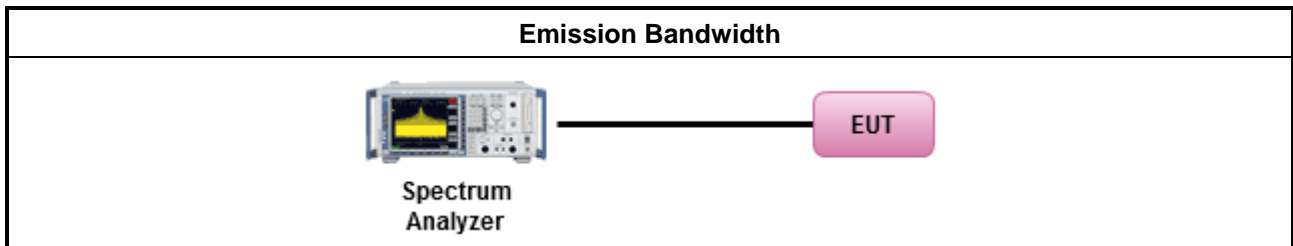
3.2.2 Measuring Instruments

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>	

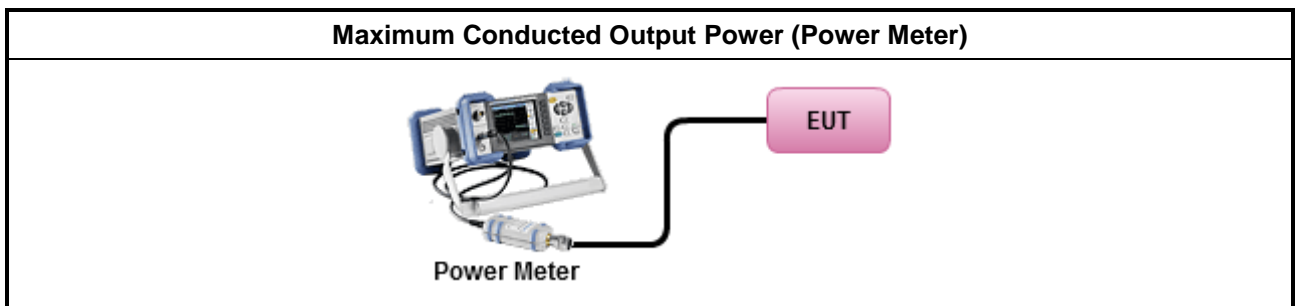
3.3.2 Measuring Instruments

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

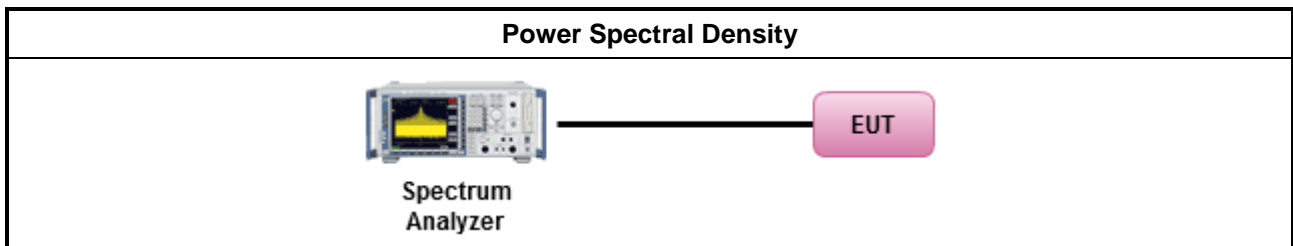
3.4.2 Measuring Instruments

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 level.

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

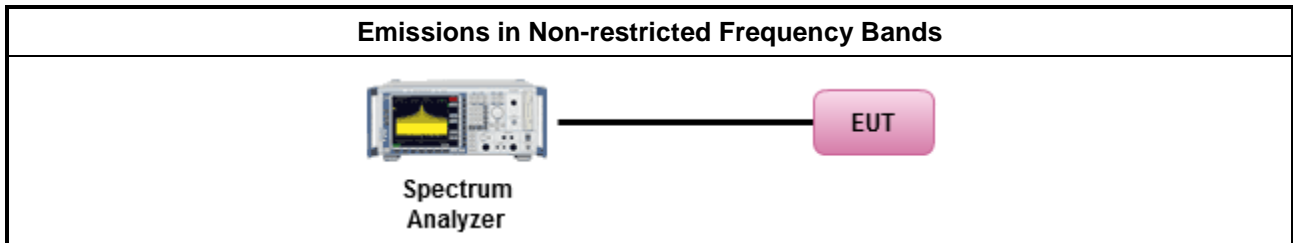
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<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

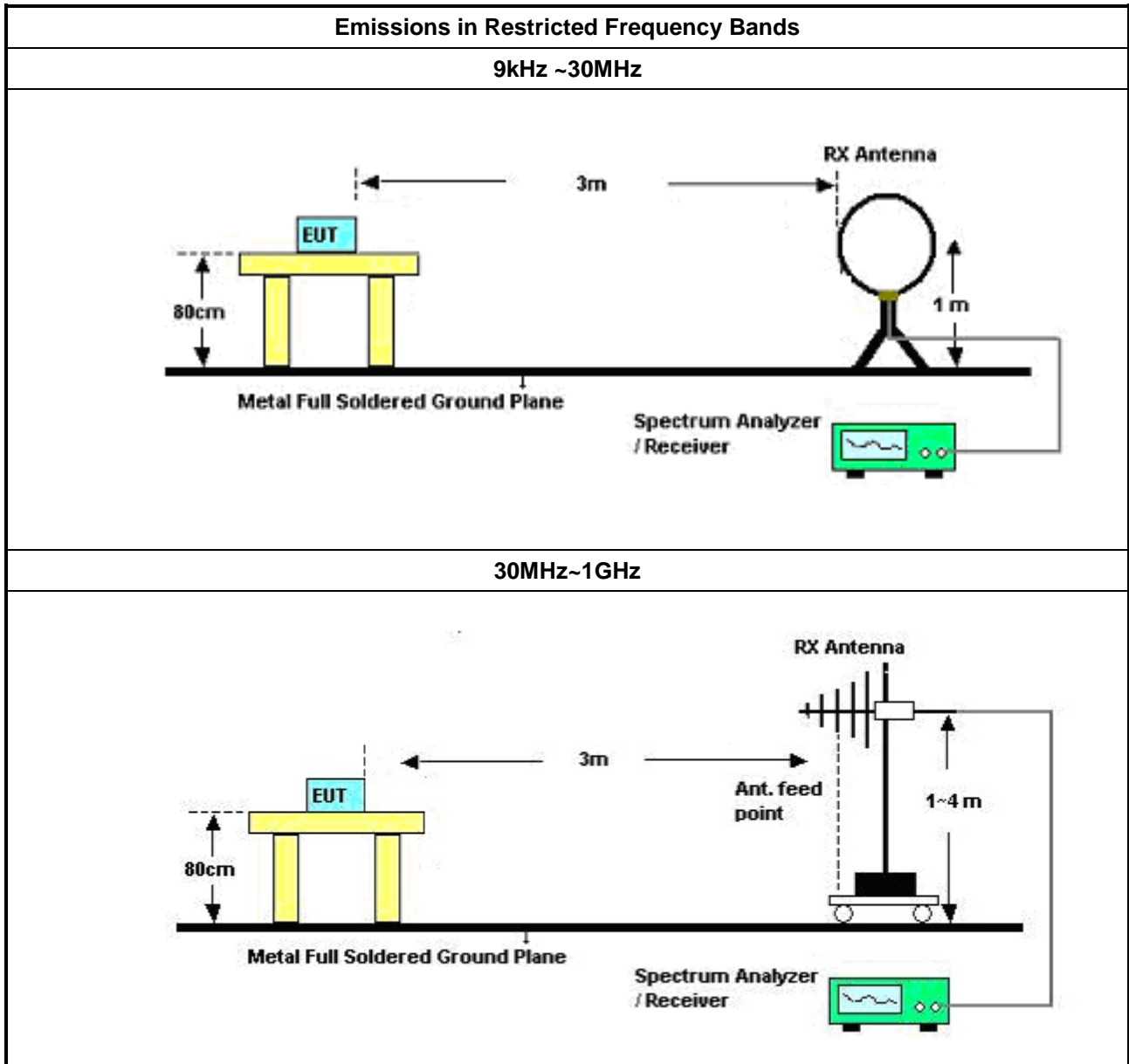
Refer a test equipment and calibration data table in this test report.

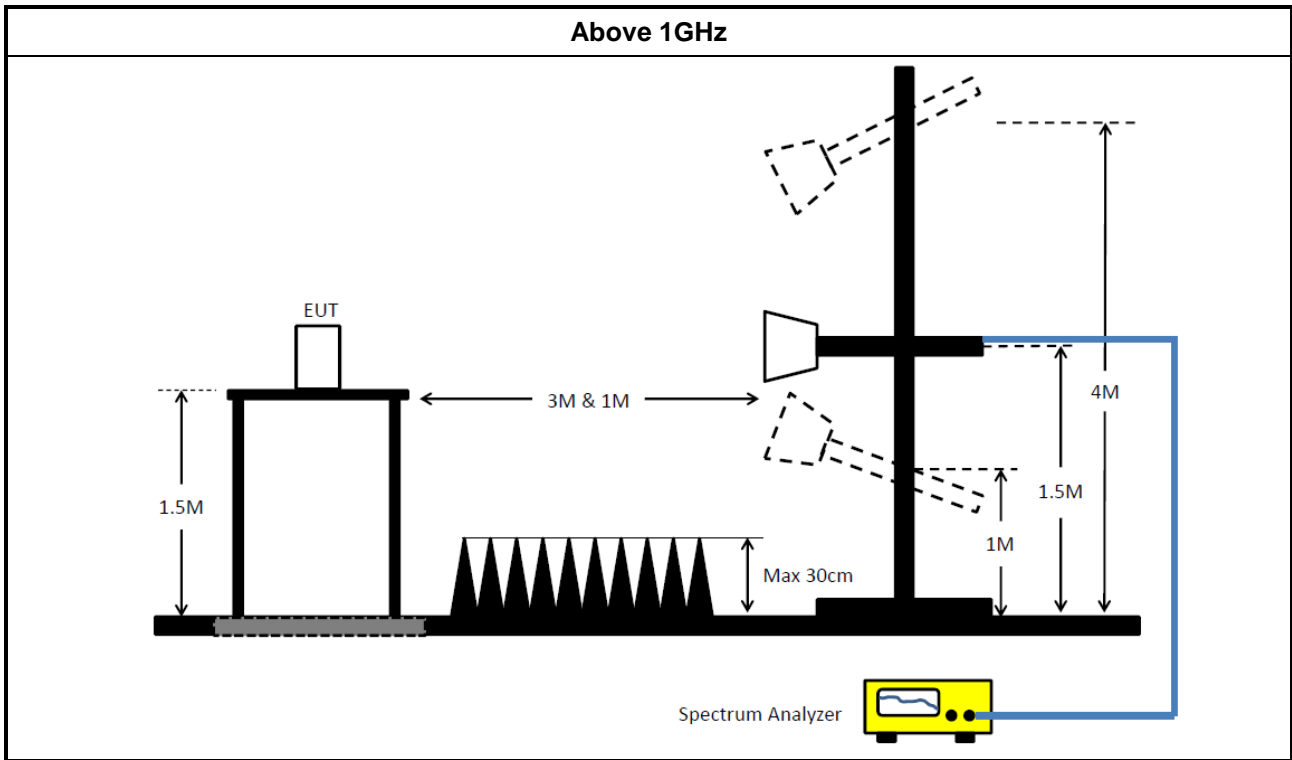


3.6.3 Test Procedures

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.
	<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 ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
	<ul style="list-style-type: none"> KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	<ul style="list-style-type: none"> Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	<ul style="list-style-type: none"> Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

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	ENV216	101295	9kHz~30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz~200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz~30MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

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~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

**Instrument for Radiated Test**

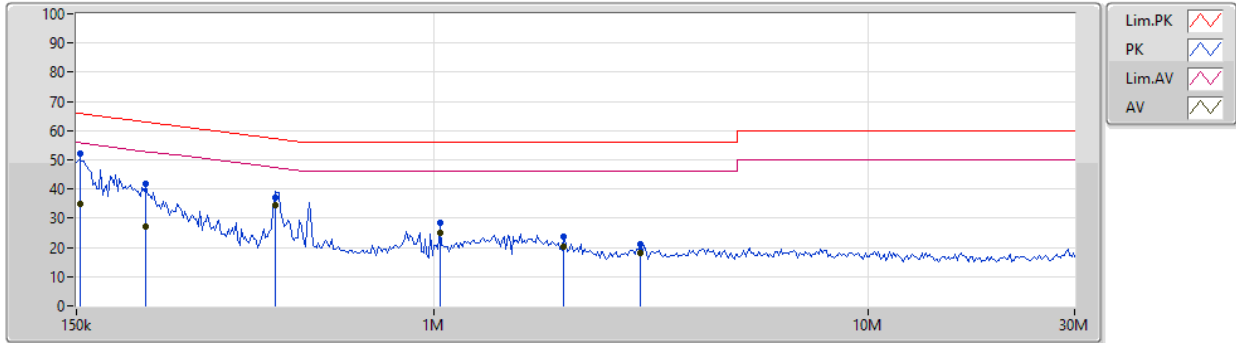
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz	22/Apr/2019	21/Apr/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz	13/Jun/2019	12/Jun/2020
Microwave System Prempfier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2019	14/Jul/2020
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	09/Apr/2019	08/Apr/2020
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	07/Aug/2019	06/Aug/2020
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	22/May/2019	21/May/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	05/Aug/2019	04/Aug/2020
Loop Antenna	TESEQ	HLA 6120	31244	9k~30MHz	15/Mar/2019	14/Mar/2020
LF-CABLE-2019 0218	Jye Bao	RG142	CB028	9kHz~1GHz	18/Feb/2019	17/Feb/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4+556627	1GHz~40GHz	13/Mar/2019	12/Mar/2020



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Switching Power Supply mode_Non-Beamforming		

20/09/2019



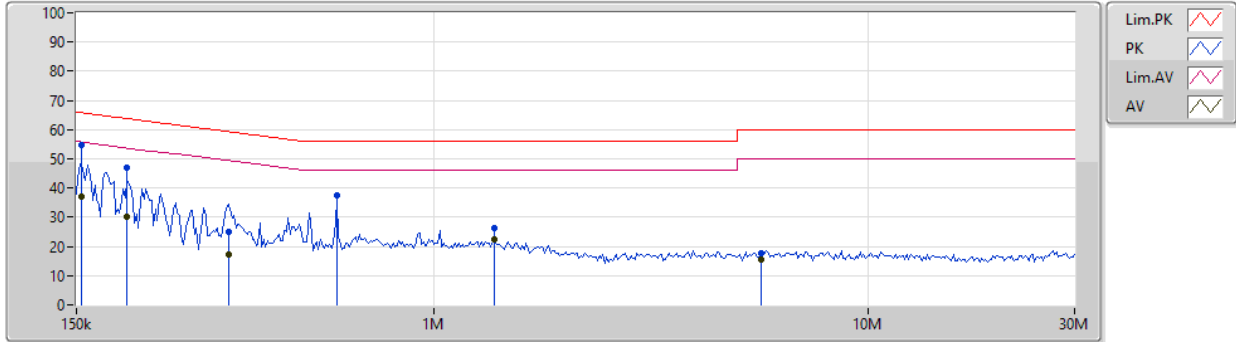
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	153.015k	52.31	65.83	-13.52	19.48	Neutral	-	32.83	9.60	0.01	9.87
AV	153.015k	34.75	55.83	-21.08	19.48	Neutral	-	15.27	9.60	0.01	9.87
QP	216.761k	41.91	62.94	-21.03	19.47	Neutral	-	22.44	9.59	0.01	9.87
AV	216.761k	26.98	52.94	-25.96	19.47	Neutral	-	7.51	9.59	0.01	9.87
QP	430.682k	37.24	57.24	-20.00	19.48	Neutral	-	17.76	9.59	0.01	9.88
AV	430.682k	34.30	47.24	-12.94	19.48	Neutral	"Worst"	14.82	9.59	0.01	9.88
QP	1.034M	28.40	56.00	-27.60	19.49	Neutral	-	8.91	9.59	0.02	9.88
AV	1.034M	25.20	46.00	-20.80	19.49	Neutral	-	5.71	9.59	0.02	9.88
QP	1.994M	23.82	56.00	-32.18	19.53	Neutral	-	4.29	9.61	0.03	9.89
AV	1.994M	20.23	46.00	-25.77	19.53	Neutral	-	0.70	9.61	0.03	9.89
QP	2.998M	21.25	56.00	-34.75	19.54	Neutral	-	1.71	9.61	0.04	9.89
AV	2.998M	17.94	46.00	-28.06	19.54	Neutral	-	-1.60	9.61	0.04	9.89



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Switching Power Supply mode_Non-Beamforming		

20/09/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	154.545k	54.70	65.75	-11.05	19.48	Line	-	35.22	9.60	0.01	9.87
AV	154.545k	37.06	55.75	-18.69	19.48	Line	-	17.58	9.60	0.01	9.87
QP	196.231k	46.81	63.76	-16.95	19.48	Line	-	27.33	9.60	0.01	9.87
AV	196.231k	30.20	53.76	-23.56	19.48	Line	-	10.72	9.60	0.01	9.87
QP	335.832k	24.87	59.31	-34.44	19.48	Line	-	5.39	9.59	0.01	9.88
AV	335.832k	17.11	49.31	-32.20	19.48	Line	-	-2.37	9.59	0.01	9.88
QP	598.084k	37.65	56.00	-18.35	19.48	Line	-	18.17	9.59	0.01	9.88
AV	598.084k	37.37	46.00	-8.63	19.48	Line	"Worst"	17.89	9.59	0.01	9.88
QP	1.38M	26.36	56.00	-29.64	19.52	Line	-	6.84	9.61	0.03	9.88
AV	1.38M	22.56	46.00	-23.44	19.52	Line	-	3.04	9.61	0.03	9.88
QP	5.668M	17.81	60.00	-42.19	19.59	Line	-	-1.78	9.65	0.05	9.89
AV	5.668M	15.36	50.00	-34.64	19.59	Line	-	-4.23	9.65	0.05	9.89



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Switching Power Supply mode_Beamforming		

20/09/2019



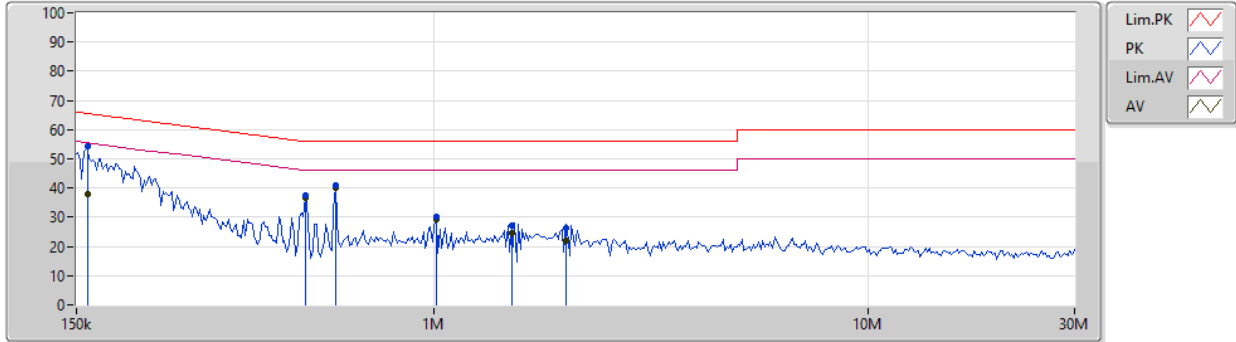
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	154.545k	54.82	65.75	-10.93	19.48	Neutral	-	35.34	9.60	0.01	9.87
AV	154.545k	38.07	55.75	-17.68	19.48	Neutral	-	18.59	9.60	0.01	9.87
QP	505.009k	37.36	56.00	-18.64	19.48	Neutral	-	17.88	9.59	0.01	9.88
AV	505.009k	36.93	46.00	-9.07	19.48	Neutral	-	17.45	9.59	0.01	9.88
QP	592.162k	40.87	56.00	-15.13	19.48	Neutral	-	21.39	9.59	0.01	9.88
AV	592.162k	40.22	46.00	-5.78	19.48	Neutral	"Worst"	20.74	9.59	0.01	9.88
QP	1.013M	29.82	56.00	-26.18	19.49	Neutral	-	10.33	9.59	0.02	9.88
AV	1.013M	29.36	46.00	-16.64	19.49	Neutral	-	9.87	9.59	0.02	9.88
QP	1.509M	26.45	56.00	-29.55	19.52	Neutral	-	6.93	9.60	0.03	9.89
AV	1.509M	22.29	46.00	-23.71	19.52	Neutral	-	2.77	9.60	0.03	9.89
QP	1.974M	27.37	56.00	-28.63	19.53	Neutral	-	7.84	9.61	0.03	9.89
AV	1.974M	24.53	46.00	-21.47	19.53	Neutral	-	5.00	9.61	0.03	9.89



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Switching Power Supply mode_Beamforming		

20/09/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	159.228k	54.22	65.50	-11.28	19.48	Line	-	34.74	9.60	0.01	9.87
AV	159.228k	37.84	55.50	-17.66	19.48	Line	-	18.36	9.60	0.01	9.87
QP	505.009k	37.69	56.00	-18.31	19.48	Line	-	18.21	9.59	0.01	9.88
AV	505.009k	36.62	46.00	-9.38	19.48	Line	-	17.14	9.59	0.01	9.88
QP	592.162k	40.84	56.00	-15.16	19.48	Line	-	21.36	9.59	0.01	9.88
AV	592.162k	40.28	46.00	-5.72	19.48	Line	"Worst"	20.80	9.59	0.01	9.88
QP	1.013M	30.01	56.00	-25.99	19.50	Line	-	10.51	9.60	0.02	9.88
AV	1.013M	29.34	46.00	-16.66	19.50	Line	-	9.84	9.60	0.02	9.88
QP	1.509M	27.04	56.00	-28.96	19.53	Line	-	7.51	9.61	0.03	9.89
AV	1.509M	24.66	46.00	-21.34	19.53	Line	-	5.13	9.61	0.03	9.89
QP	2.014M	26.28	56.00	-29.72	19.54	Line	-	6.74	9.62	0.03	9.89
AV	2.014M	21.87	46.00	-24.13	19.54	Line	-	2.33	9.62	0.03	9.89



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	8.075M	12.869M	12M9G1D	7.2M	12.694M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.792M	16M8D1D	16.25M	16.392M
VHT20_Nss1,(MCS0)_2TX	17.625M	22.964M	23M0D1D	17.55M	17.591M
VHT40_Nss1,(MCS0)_2TX	35.05M	35.932M	35M9D1D	33.7M	35.832M

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	7.6M	12.819M	7.2M	12.694M
2437MHz_TnomVnom	Pass	500k	7.575M	12.819M	8.025M	12.844M
2462MHz_TnomVnom	Pass	500k	8.025M	12.794M	8.075M	12.869M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.325M	16.392M	16.35M	16.392M
2437MHz_TnomVnom	Pass	500k	16.25M	16.617M	16.325M	16.792M
2462MHz_TnomVnom	Pass	500k	16.325M	16.392M	16.325M	16.392M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.55M	17.591M	17.575M	17.616M
2437MHz_TnomVnom	Pass	500k	17.55M	20.94M	17.55M	22.964M
2462MHz_TnomVnom	Pass	500k	17.625M	17.616M	17.55M	17.616M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	34.4M	35.882M	35.05M	35.832M
2437MHz_TnomVnom	Pass	500k	33.7M	35.932M	35.05M	35.932M
2452MHz_TnomVnom	Pass	500k	35.05M	35.932M	35.05M	35.932M

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

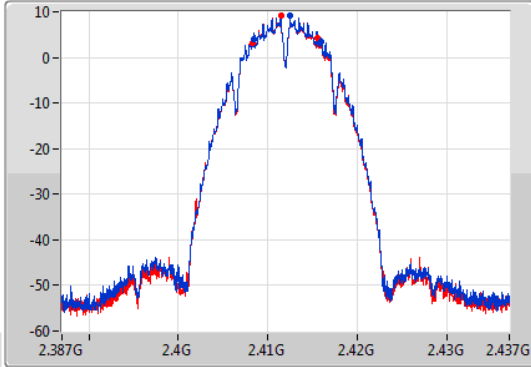
802.11b_Nss1,(1Mbps)_2TX

EBW

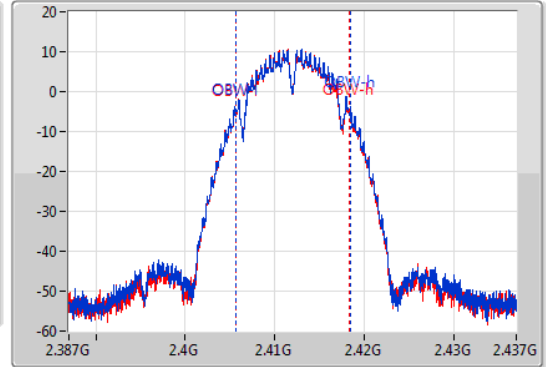
2412MHz

04/09/2019

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.6M	2.408425G	2.416025G	12.819M	2.405603G	2.418422G	500k	1
7.2M	2.40835G	2.41555G	12.694M	2.405628G	2.418322G	500k	2

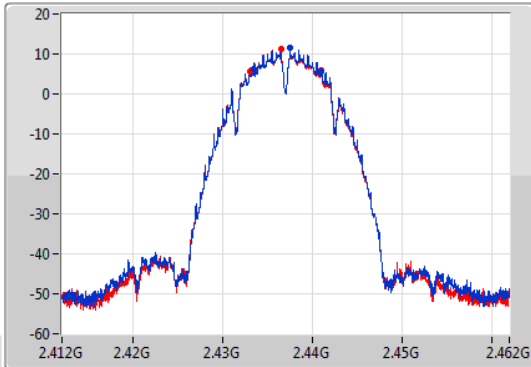
802.11b_Nss1,(1Mbps)_2TX

EBW

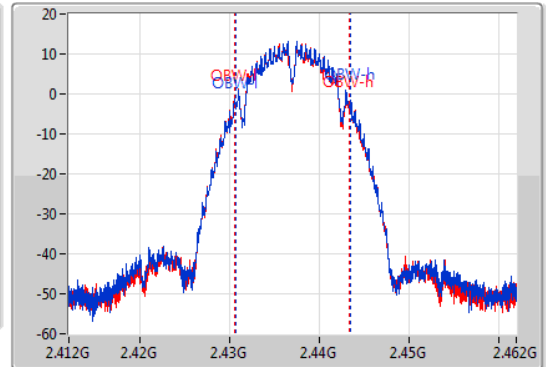
2437MHz

04/09/2019

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



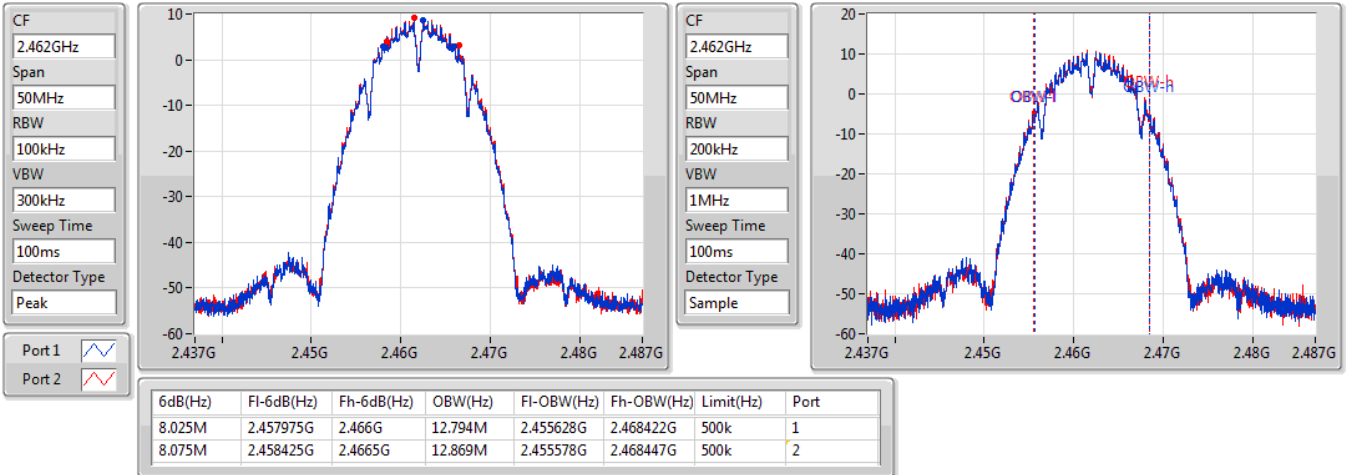
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.575M	2.433425G	2.441G	12.819M	2.430603G	2.443422G	500k	1
8.025M	2.432975G	2.441G	12.844M	2.430528G	2.443322G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

04/09/2019

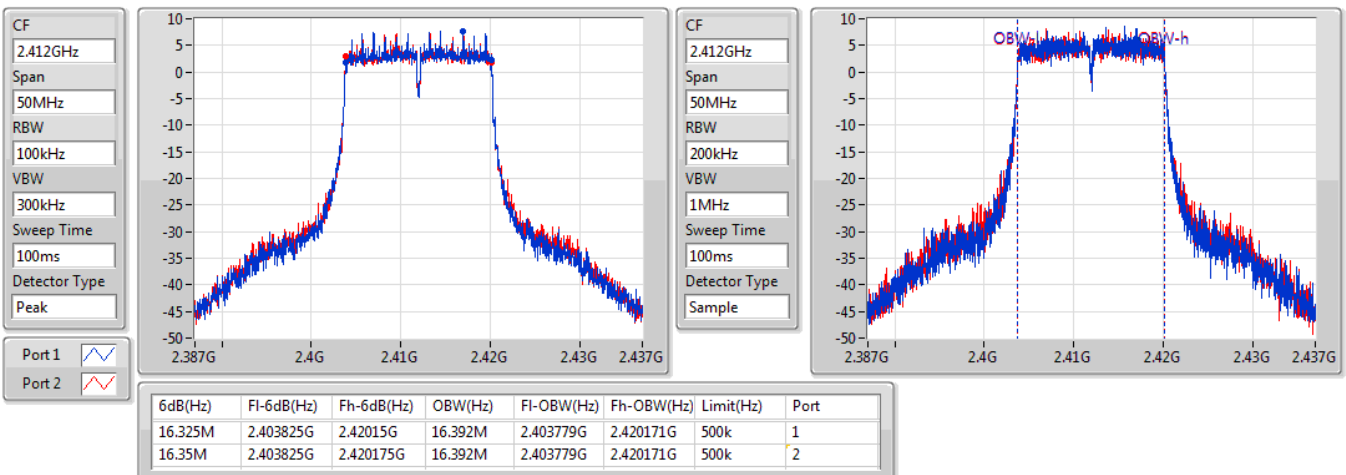


802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

04/09/2019



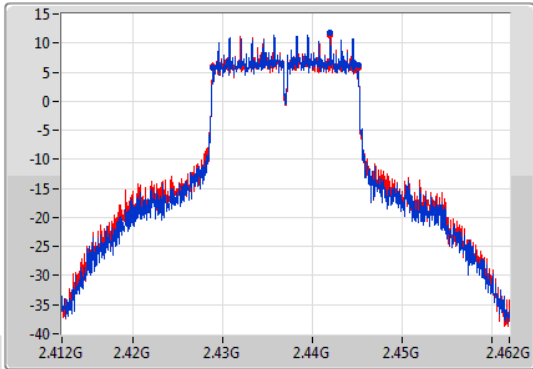
802.11g_Nss1,(6Mbps)_2TX

EBW

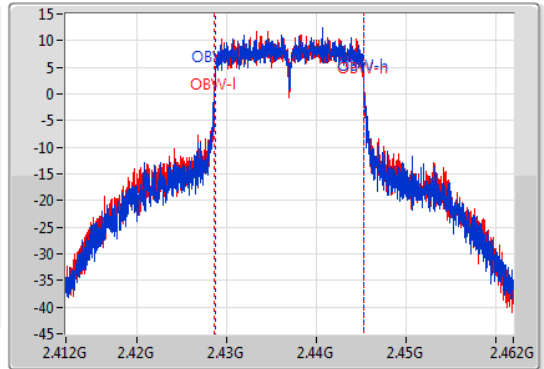
2437MHz

04/09/2019

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	2.428875G	2.445125G	16.617M	2.428679G	2.445296G	500k	1
16.325M	2.428825G	2.44515G	16.792M	2.428554G	2.445346G	500k	2

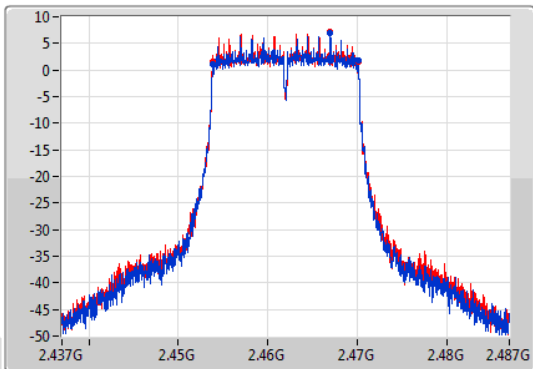
802.11g_Nss1,(6Mbps)_2TX

EBW

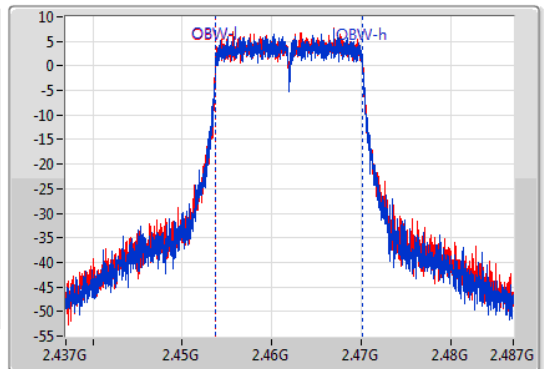
2462MHz

04/09/2019

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.392M	2.453779G	2.470171G	500k	1
16.325M	2.453825G	2.47015G	16.392M	2.453779G	2.470171G	500k	2

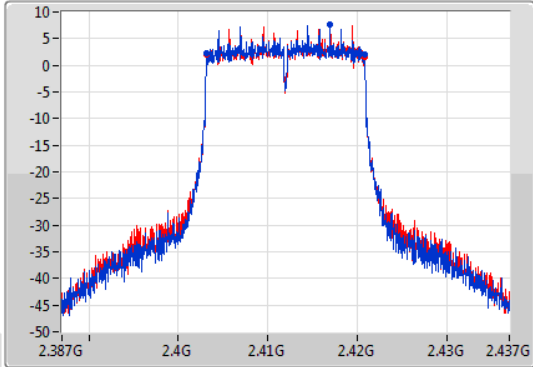
VHT20_Nss1,(MCS0)_2TX

EBW

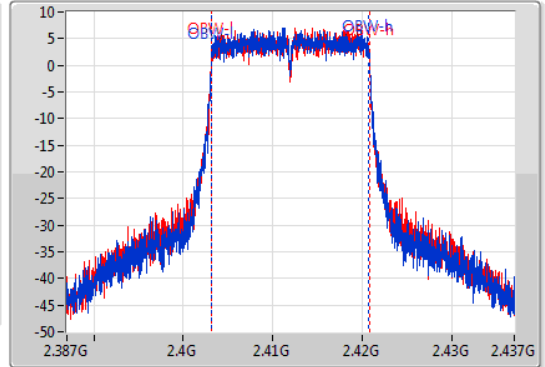
2412MHz

04/09/2019

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.403225G	2.420775G	17.591M	2.403179G	2.420771G	500k	1
17.575M	2.4032G	2.420775G	17.616M	2.403179G	2.420796G	500k	2

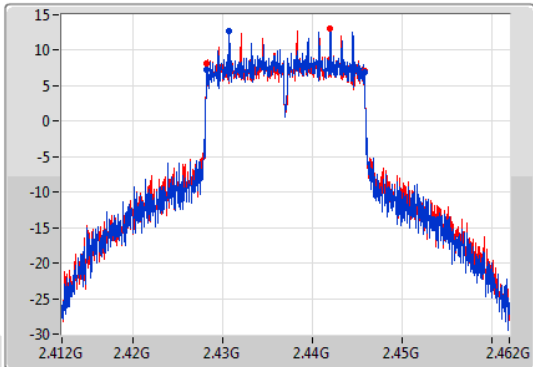
VHT20_Nss1,(MCS0)_2TX

EBW

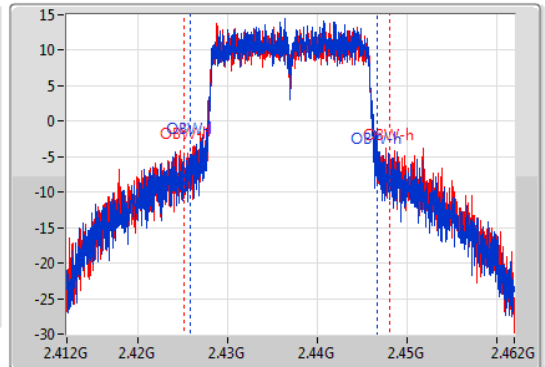
2437MHz

04/09/2019

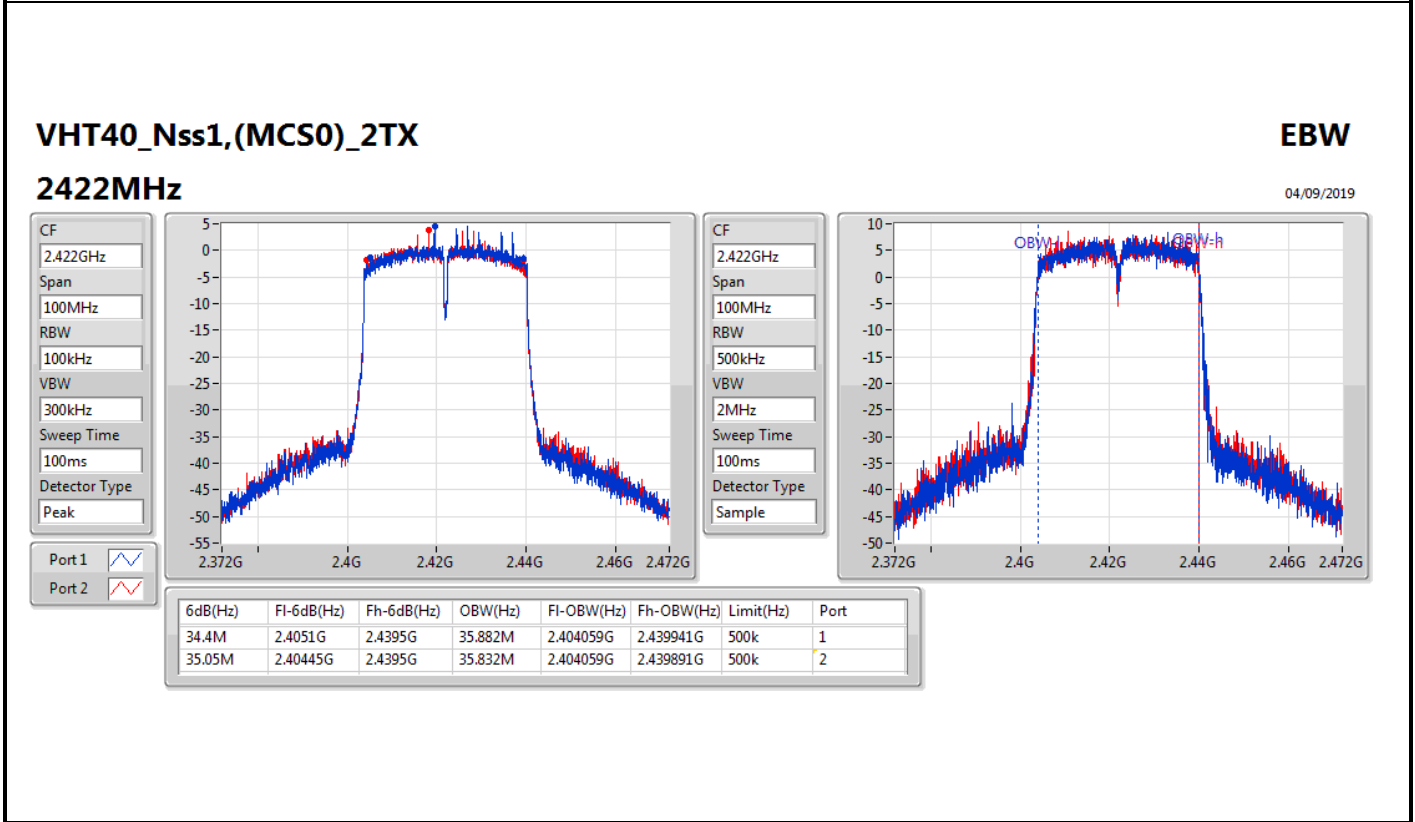
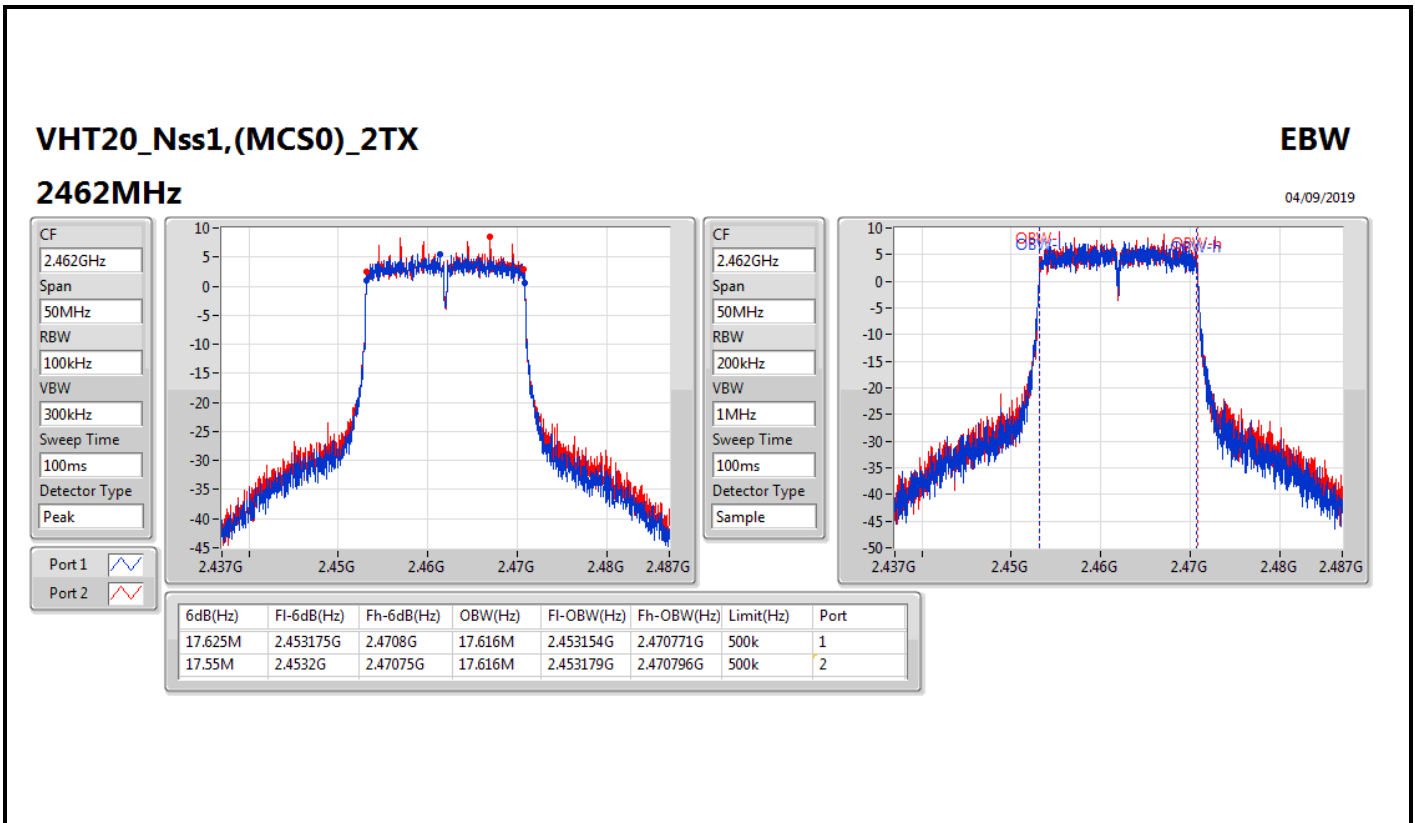
CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.428225G	2.445775G	20.94M	2.425781G	2.44672G	500k	1
17.55M	2.428225G	2.445775G	22.964M	2.425056G	2.448019G	500k	2



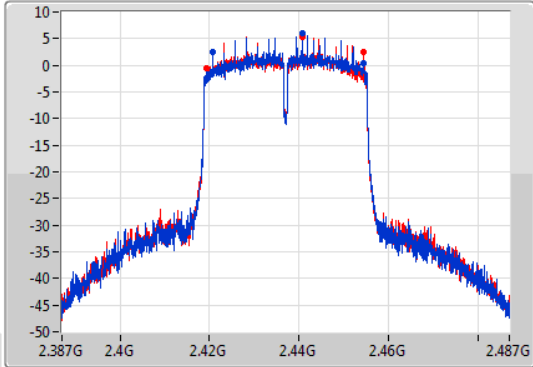
VHT40_Nss1,(MCS0)_2TX

EBW

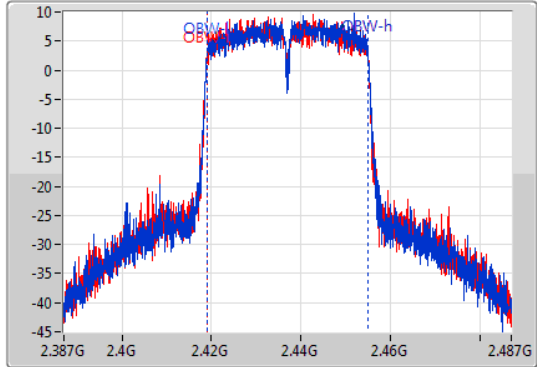
2437MHz

04/09/2019

CF
2.437GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.7M	2.42075G	2.45445G	35.932M	2.419009G	2.454941G	500k	1
35.05M	2.41945G	2.4545G	35.932M	2.419009G	2.454941G	500k	2

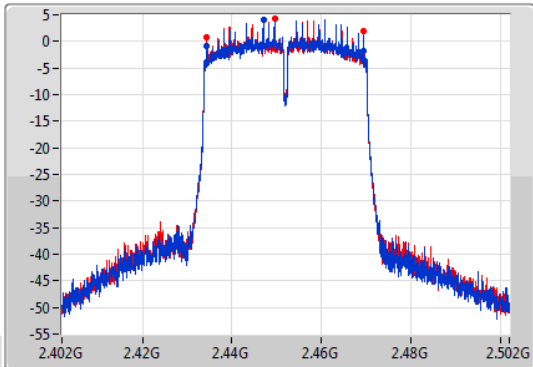
VHT40_Nss1,(MCS0)_2TX

EBW

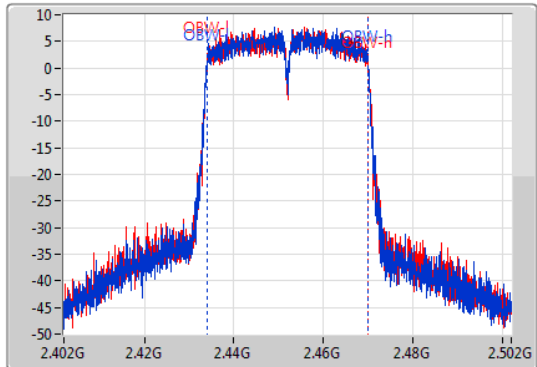
2452MHz

04/09/2019

CF
2.452GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.452GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.43445G	2.4695G	35.932M	2.434009G	2.469941G	500k	1
35.05M	2.43445G	2.4695G	35.932M	2.434009G	2.469941G	500k	2



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	17.55M	17.766M	17M8D1D	16.2M	17.566M
VHT40-BF_Nss1,(MCS0)_2TX	35.1M	35.982M	36MOD1D	26.75M	35.732M

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)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.85M	17.666M	16.2M	17.566M
2437MHz	Pass	500k	17.15M	17.641M	17.55M	17.766M
2462MHz	Pass	500k	16.8M	17.641M	16.975M	17.616M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	26.75M	35.732M	27.5M	35.932M
2437MHz	Pass	500k	35.1M	35.782M	33.75M	35.982M
2452MHz	Pass	500k	33.75M	35.832M	35.05M	35.832M

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

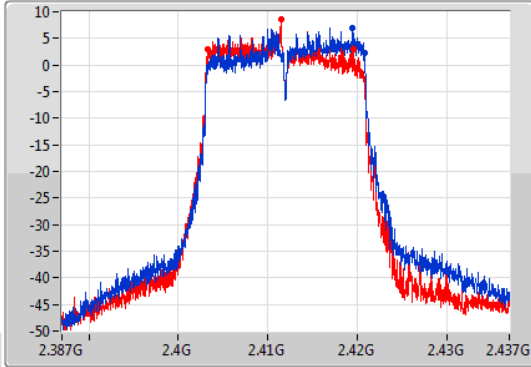
VHT20-BF_Nss1,(MCS0)_2TX

EBW

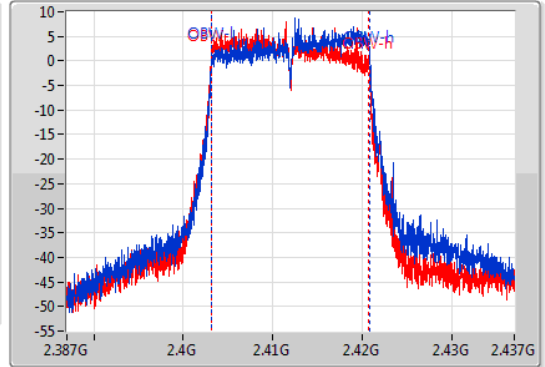
2412MHz

16/09/2019

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.85M	2.403925G	2.420775G	17.666M	2.403204G	2.420871G	500k	1
16.2M	2.40335G	2.41955G	17.566M	2.403129G	2.420696G	500k	2

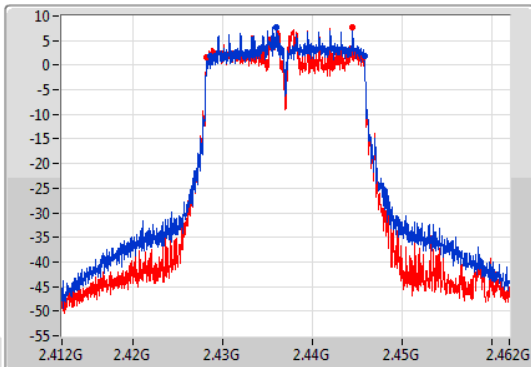
VHT20-BF_Nss1,(MCS0)_2TX

EBW

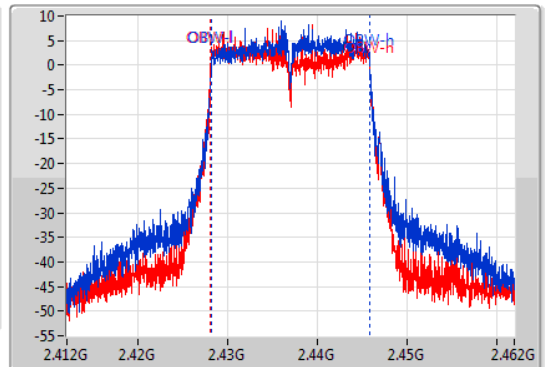
2437MHz

16/09/2019

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.428625G	2.445775G	17.641M	2.428179G	2.445821G	500k	1
17.55M	2.4282G	2.44575G	17.766M	2.428079G	2.445846G	500k	2

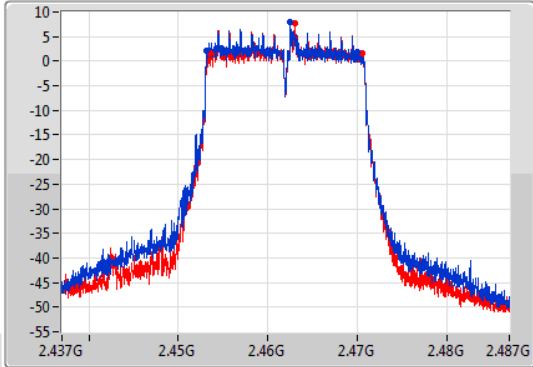
VHT20-BF_Nss1,(MCS0)_2TX

EBW

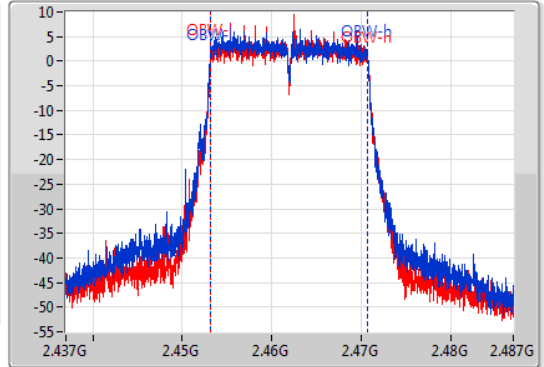
2462MHz

16/09/2019

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.8M	2.453225G	2.470025G	17.641M	2.453104G	2.470746G	500k	1
16.975M	2.453625G	2.4706G	17.616M	2.453154G	2.470771G	500k	2

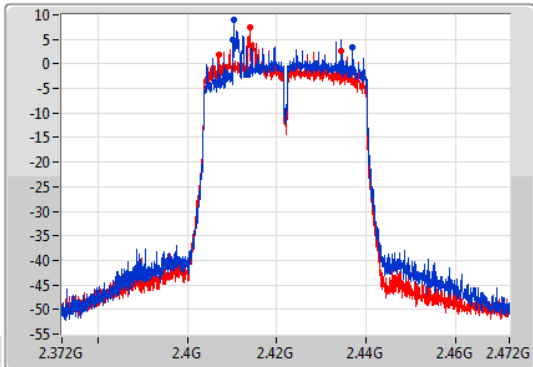
VHT40-BF_Nss1,(MCS0)_2TX

EBW

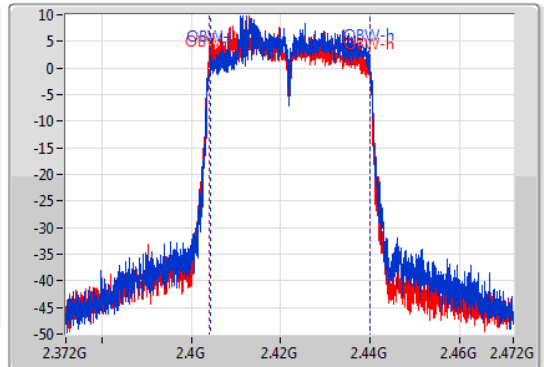
2422MHz

16/09/2019

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.422GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



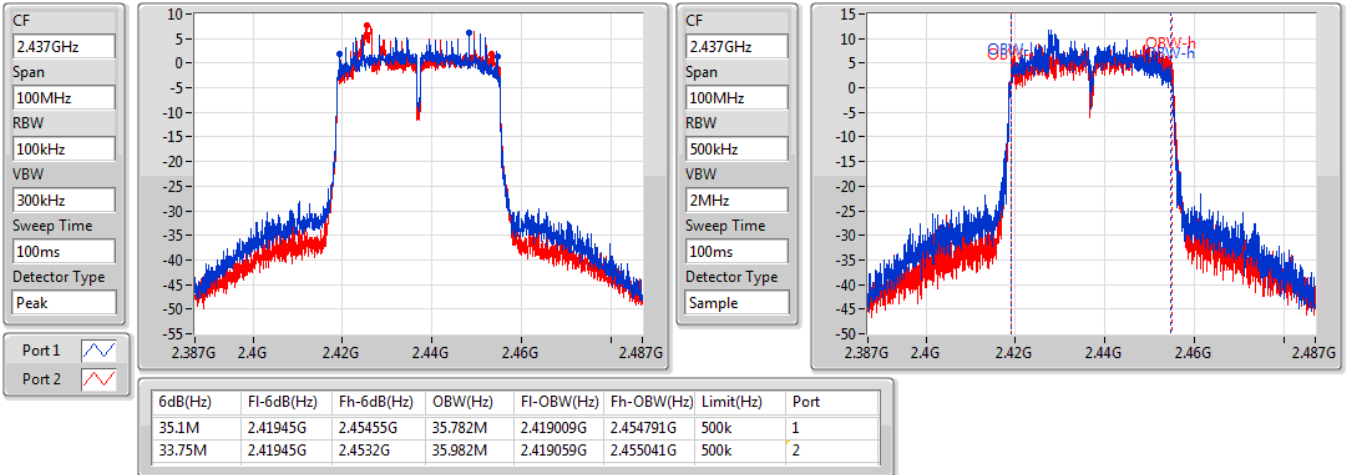
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.75M	2.41025G	2.437G	35.732M	2.404209G	2.439941G	500k	1
27.5M	2.407G	2.4345G	35.932M	2.403909G	2.439841G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz

16/09/2019

EBW

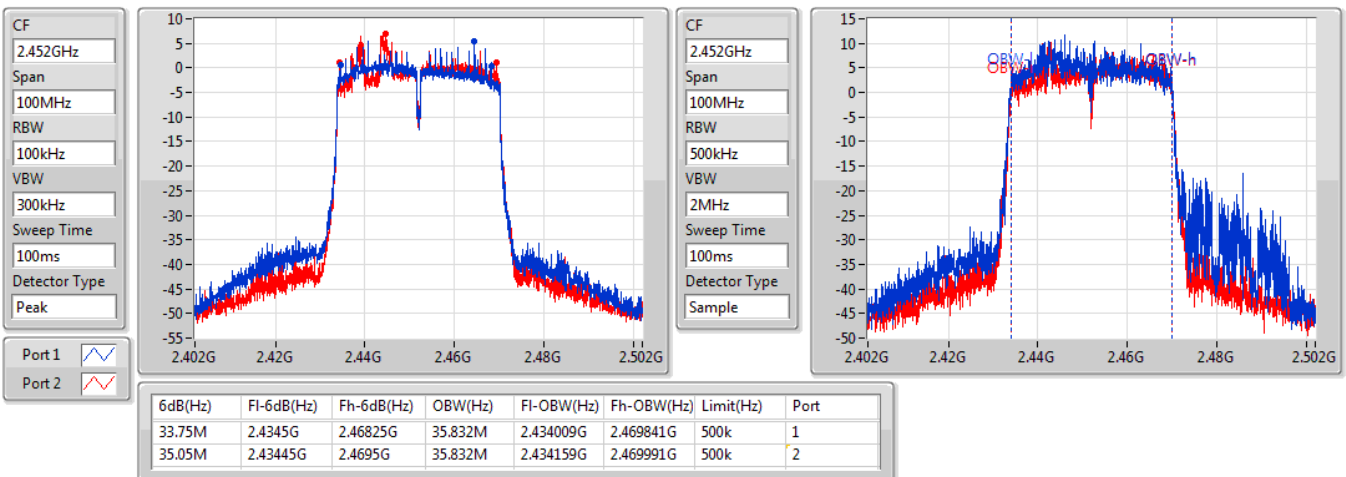


VHT40-BF_Nss1,(MCS0)_2TX

2452MHz

16/09/2019

EBW





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.43	0.27733
802.11g_Nss1,(6Mbps)_2TX	25.59	0.36224
VHT20_Nss1,(MCS0)_2TX	26.74	0.47206
VHT40_Nss1,(MCS0)_2TX	22.65	0.18408



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	1.10	18.75	18.67	21.72	30.00
2417MHz_TnomVnom	Pass	1.10	21.50	21.34	24.43	30.00
2437MHz_TnomVnom	Pass	1.10	20.92	20.89	23.92	30.00
2457MHz_TnomVnom	Pass	1.10	20.44	21.02	23.75	30.00
2462MHz_TnomVnom	Pass	1.10	18.47	18.97	21.74	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.10	18.82	18.76	21.80	30.00
2417MHz_TnomVnom	Pass	1.10	20.58	20.62	23.61	30.00
2437MHz_TnomVnom	Pass	1.10	22.57	22.58	25.59	30.00
2457MHz_TnomVnom	Pass	1.10	20.34	20.44	23.40	30.00
2462MHz_TnomVnom	Pass	1.10	18.37	18.62	21.51	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.10	19.00	19.03	22.03	30.00
2417MHz_TnomVnom	Pass	1.10	20.67	20.68	23.69	30.00
2437MHz_TnomVnom	Pass	1.10	23.78	23.67	26.74	30.00
2457MHz_TnomVnom	Pass	1.10	20.40	20.46	23.44	30.00
2462MHz_TnomVnom	Pass	1.10	19.67	19.98	22.84	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	1.10	18.27	18.21	21.25	30.00
2427MHz_TnomVnom	Pass	1.10	18.37	18.52	21.46	30.00
2437MHz_TnomVnom	Pass	1.10	19.70	19.57	22.65	30.00
2447MHz_TnomVnom	Pass	1.10	18.37	18.24	21.32	30.00
2452MHz_TnomVnom	Pass	1.10	18.14	18.16	21.16	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	21.56	0.14322
VHT40-BF_Nss1,(MCS0)_2TX	21.84	0.15276



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	17.91	17.26	20.61	30.00
2417MHz	Pass	4.00	18.68	18.42	21.56	30.00
2437MHz	Pass	4.00	18.37	17.50	20.97	30.00
2457MHz	Pass	4.00	18.44	18.03	21.25	30.00
2462MHz	Pass	4.00	17.51	17.42	20.48	30.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.00	17.67	17.20	20.45	30.00
2427MHz	Pass	4.00	18.13	17.53	20.85	30.00
2437MHz	Pass	4.00	19.04	18.61	21.84	30.00
2447MHz	Pass	4.00	18.07	17.73	20.91	30.00
2452MHz	Pass	4.00	18.09	17.65	20.89	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	-3.21
802.11g_Nss1,(6Mbps)_2TX	-3.80
VHT20_Nss1,(MCS0)_2TX	-1.99
VHT40_Nss1,(MCS0)_2TX	-8.53

RBW=3 kHz.

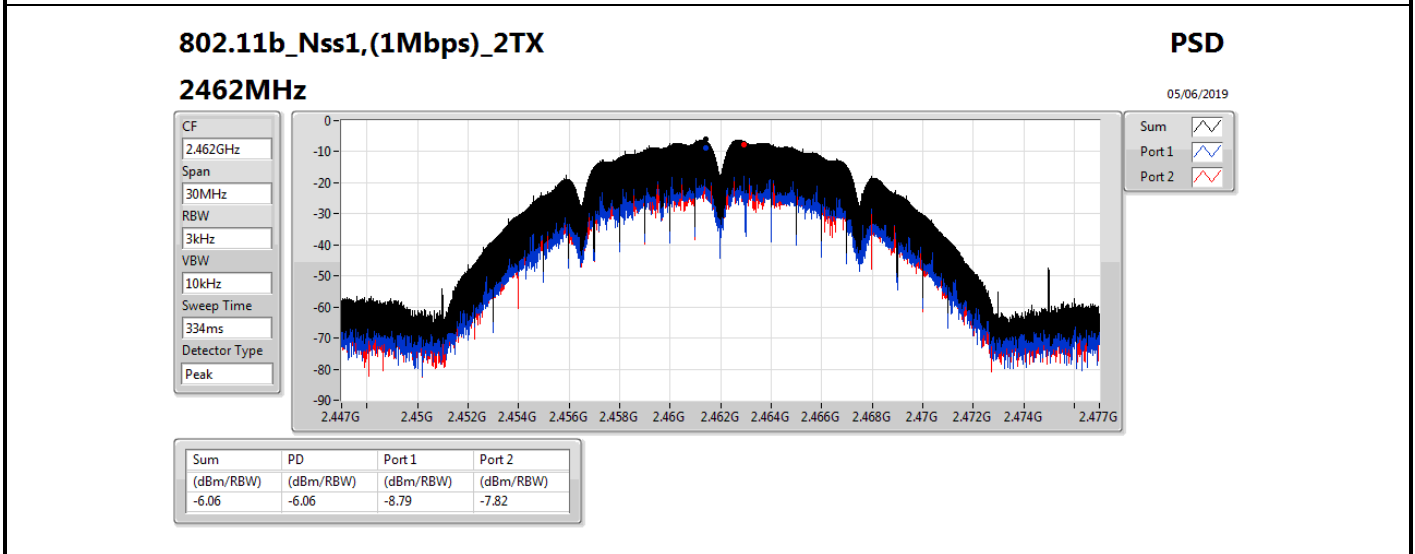
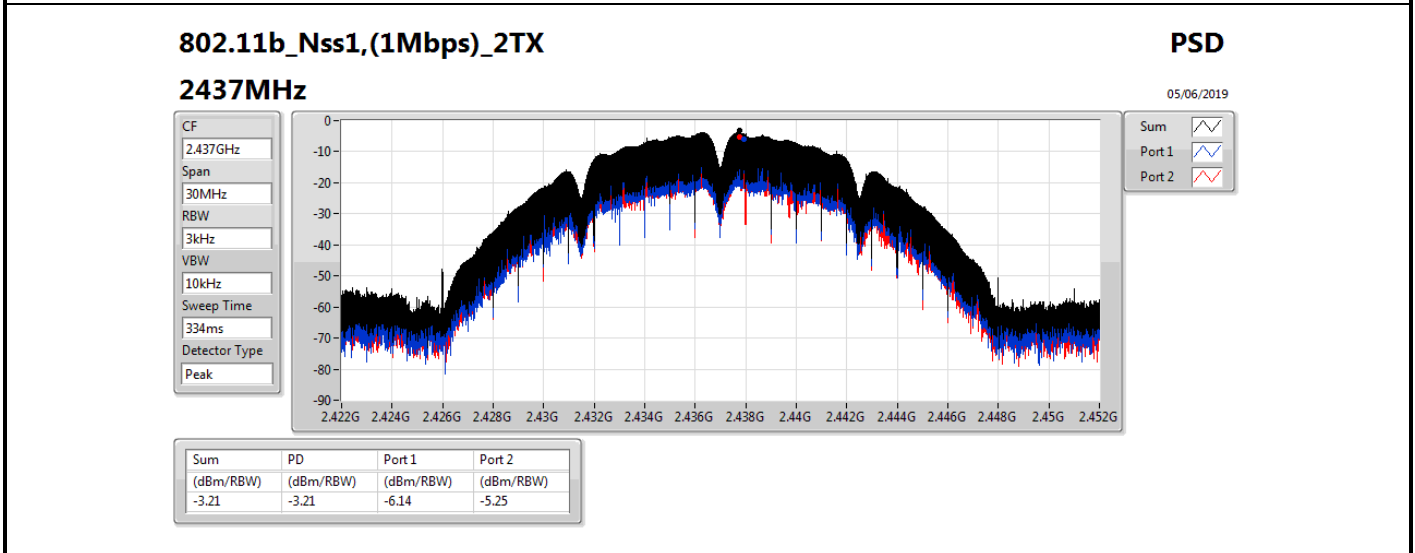
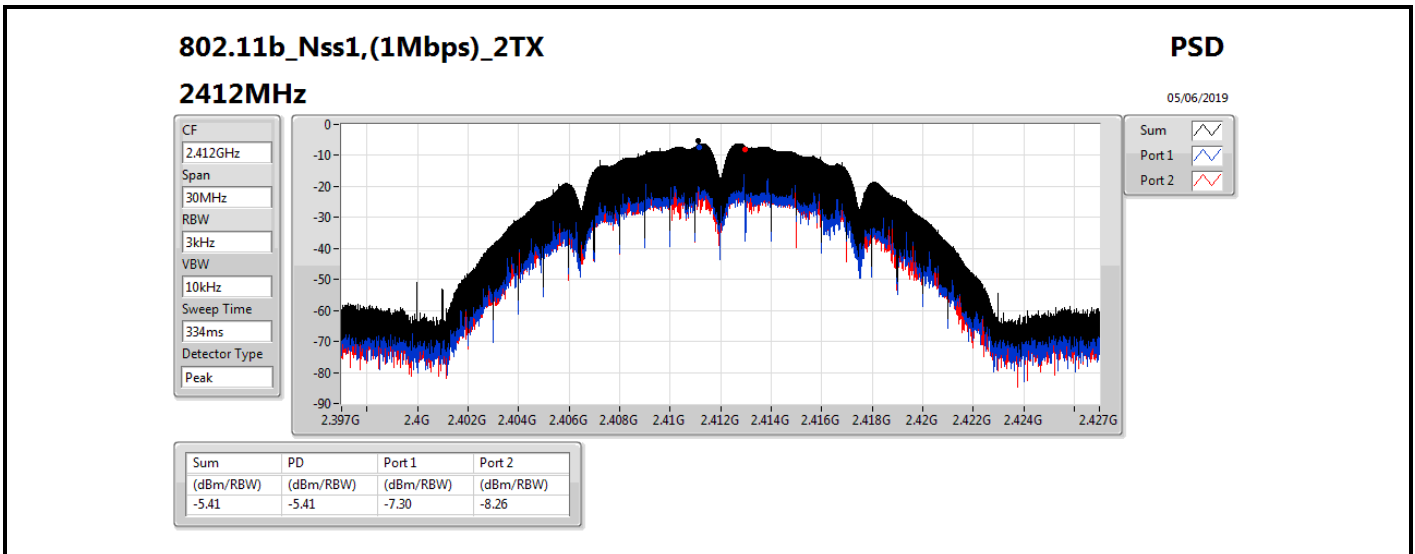


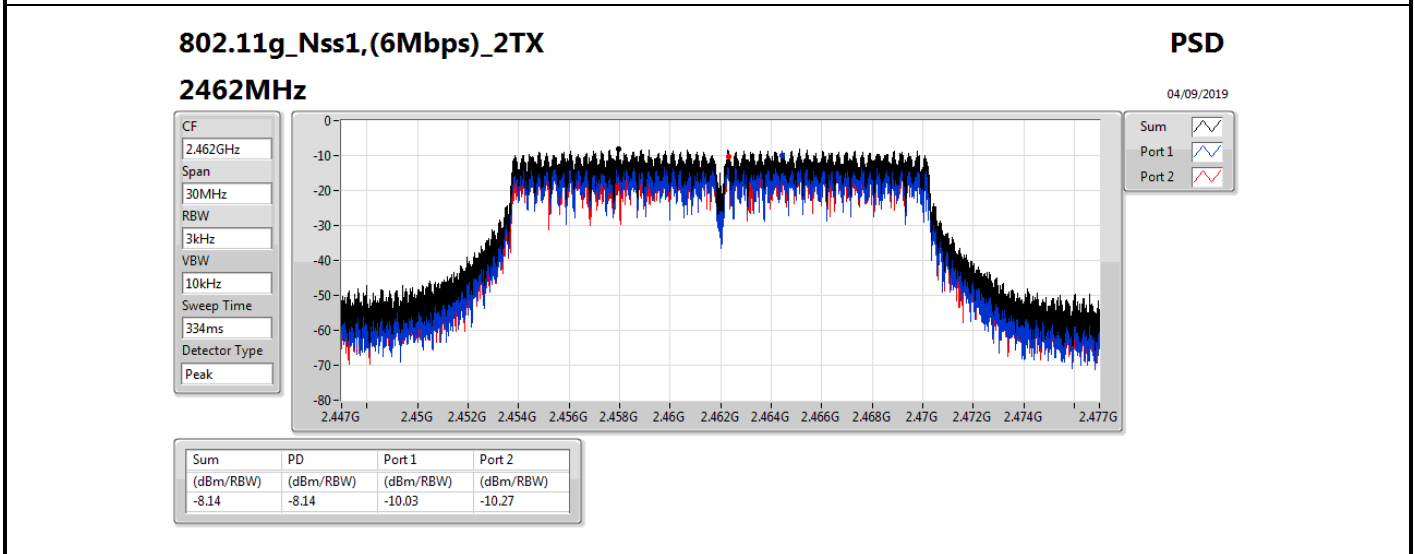
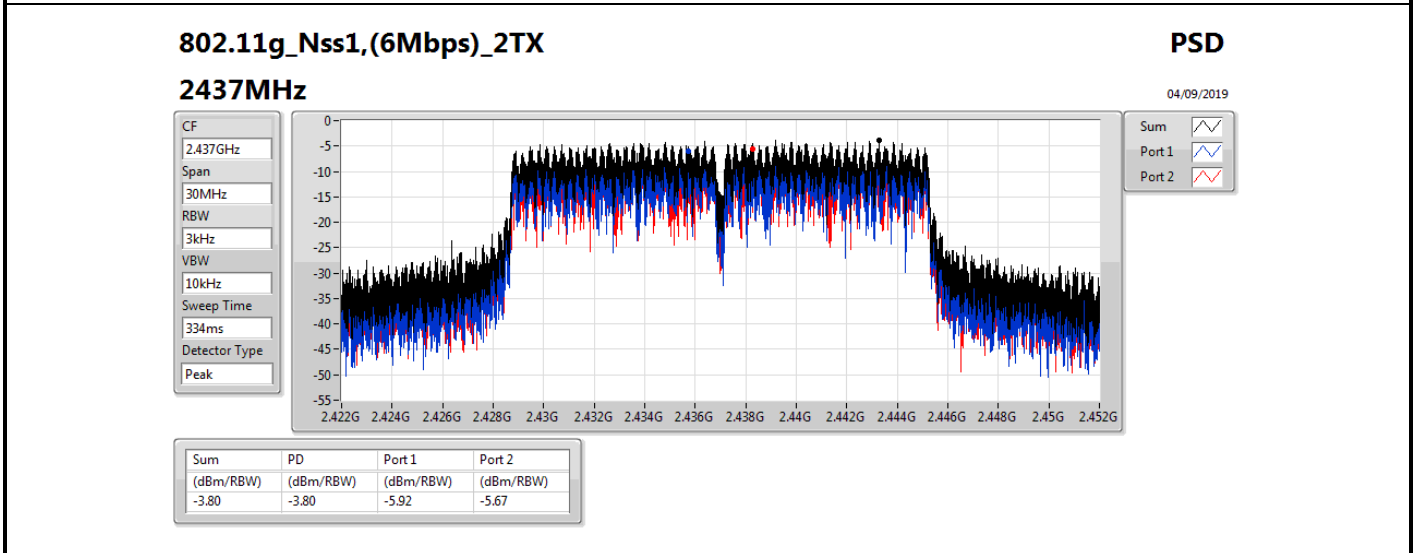
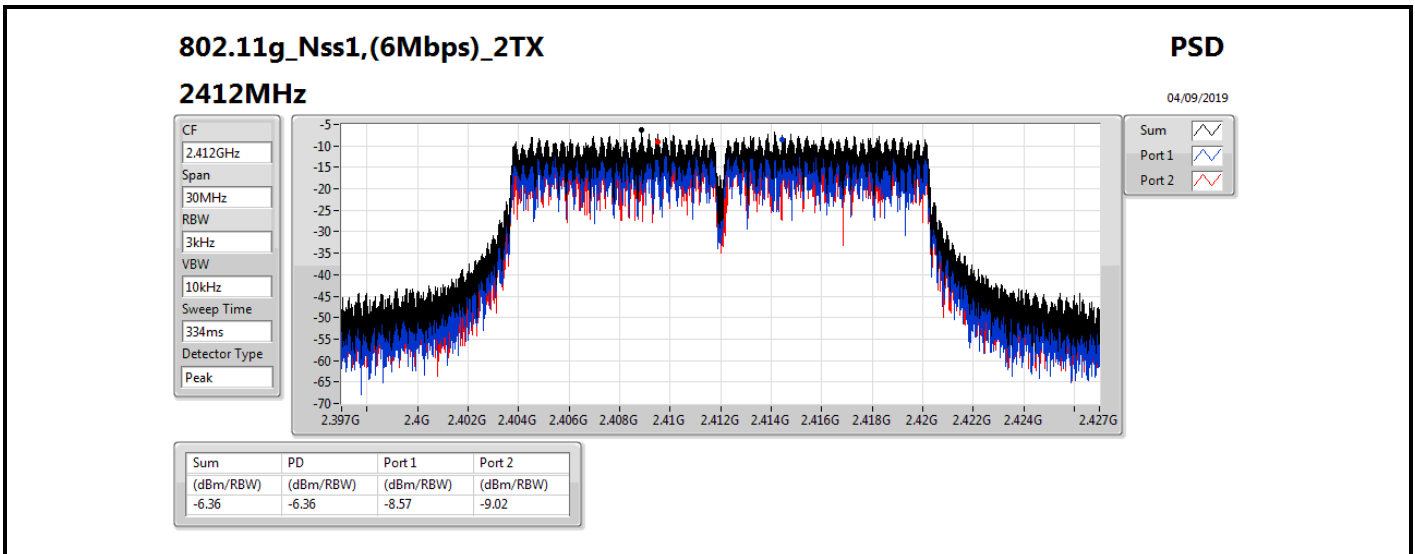
Result

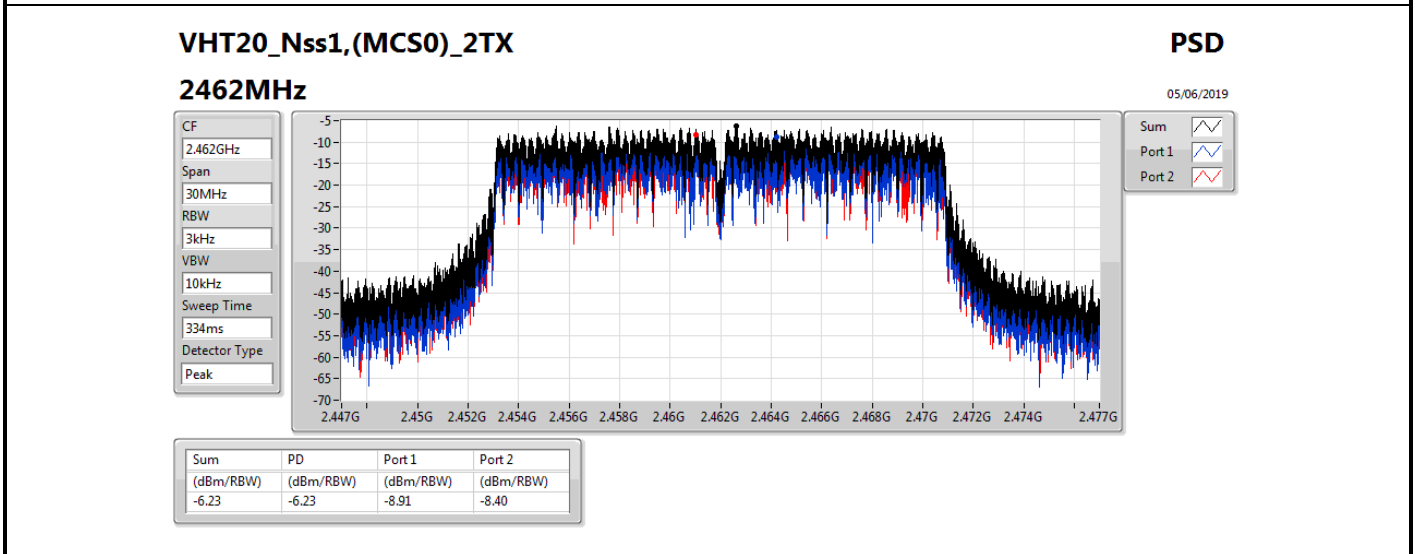
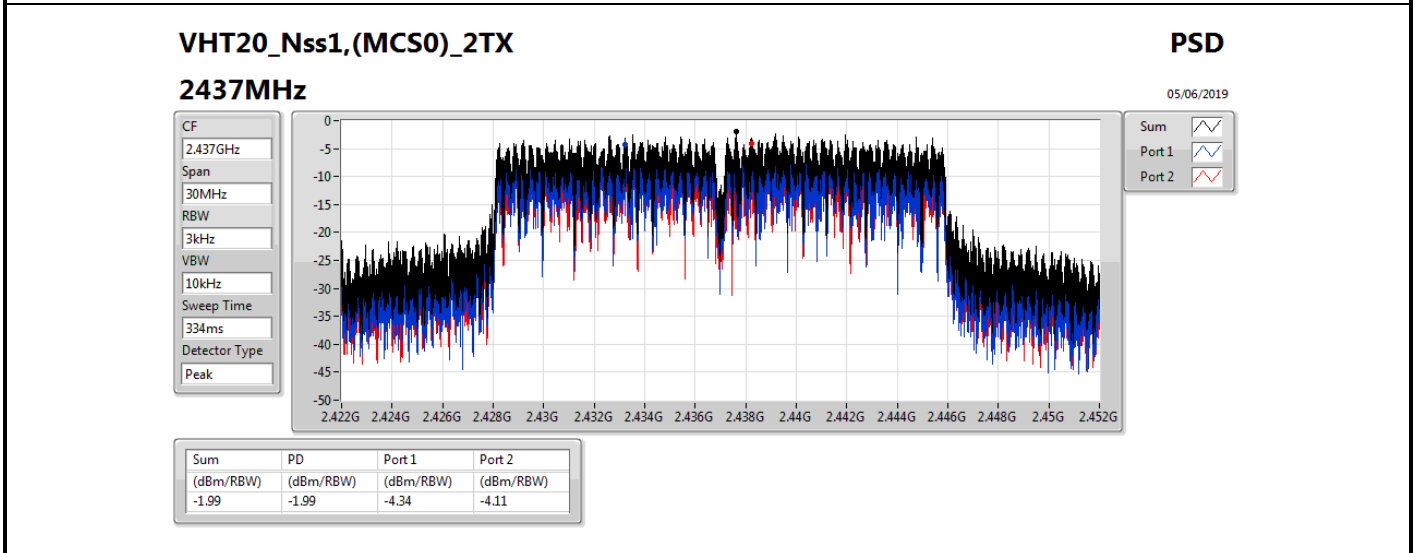
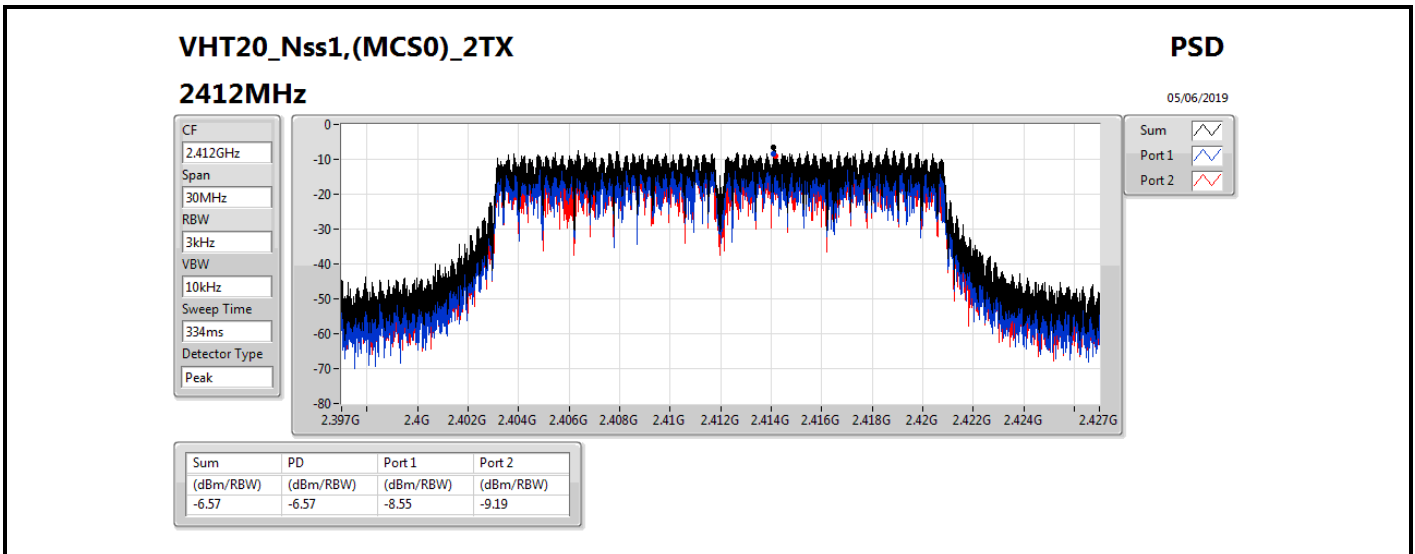
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.00	-7.30	-8.26	-5.41	8.00
2437MHz_TnomVnom	Pass	4.00	-6.14	-5.25	-3.21	8.00
2462MHz_TnomVnom	Pass	4.00	-8.79	-7.82	-6.06	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.00	-8.57	-9.02	-6.36	8.00
2437MHz_TnomVnom	Pass	4.00	-5.92	-5.67	-3.80	8.00
2462MHz_TnomVnom	Pass	4.00	-10.03	-10.27	-8.14	8.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.00	-8.55	-9.19	-6.57	8.00
2437MHz_TnomVnom	Pass	4.00	-4.34	-4.11	-1.99	8.00
2462MHz_TnomVnom	Pass	4.00	-8.91	-8.40	-6.23	8.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.00	-12.21	-11.50	-9.58	8.00
2437MHz_TnomVnom	Pass	4.00	-9.31	-10.56	-8.53	8.00
2452MHz_TnomVnom	Pass	4.00	-10.96	-11.64	-9.79	8.00

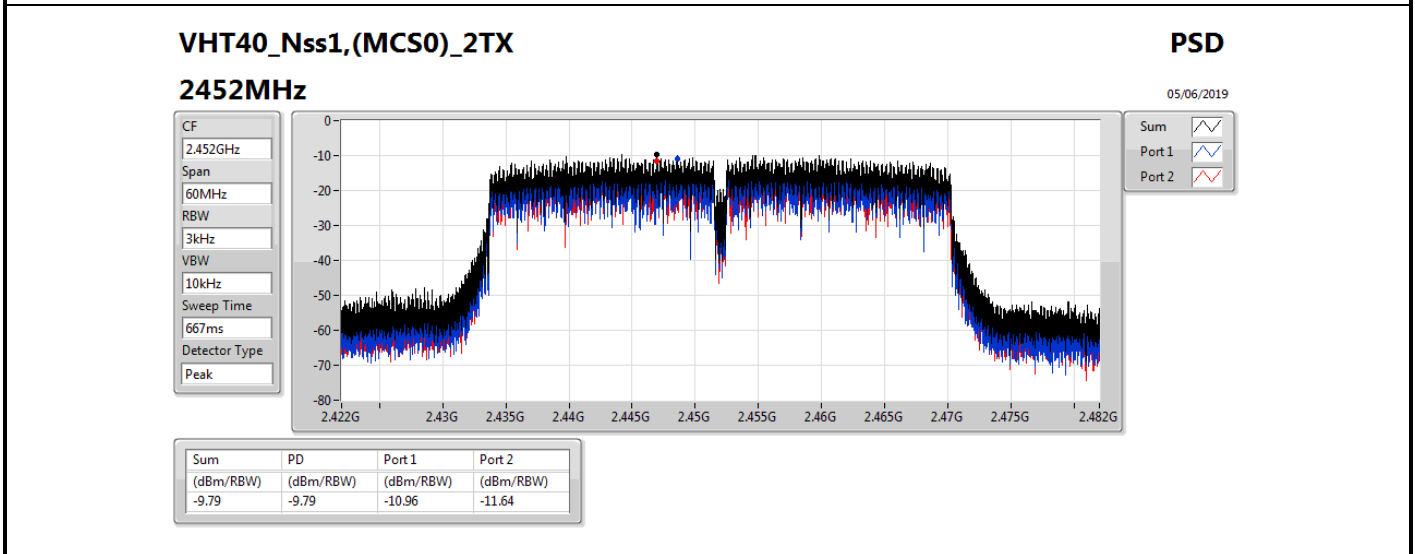
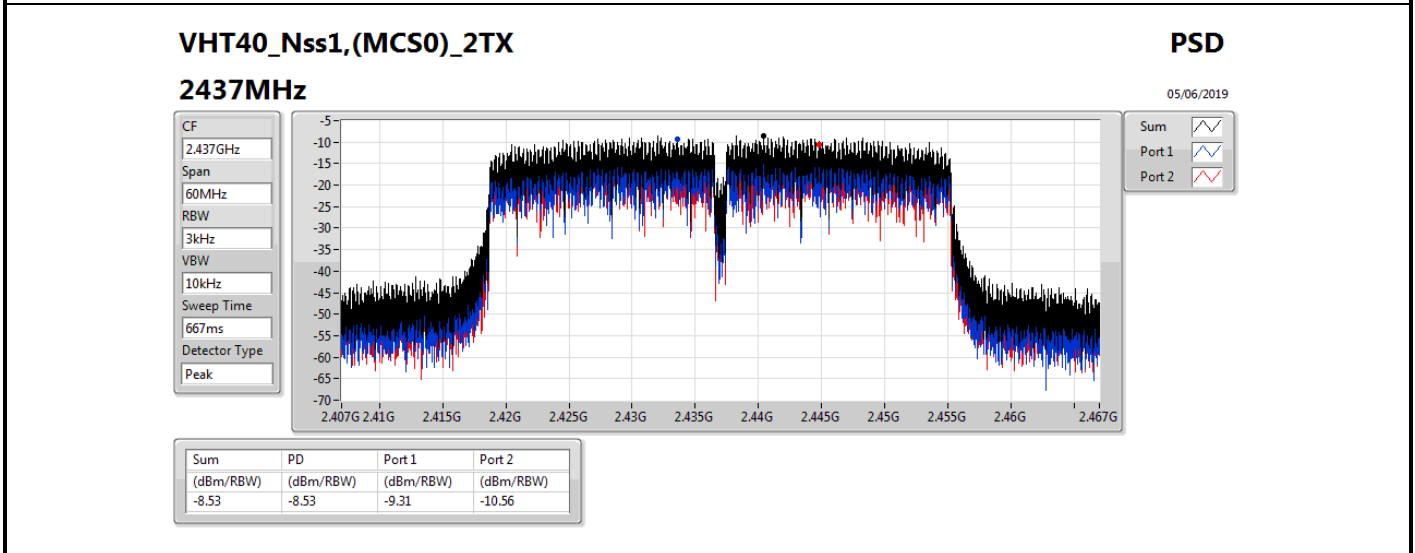
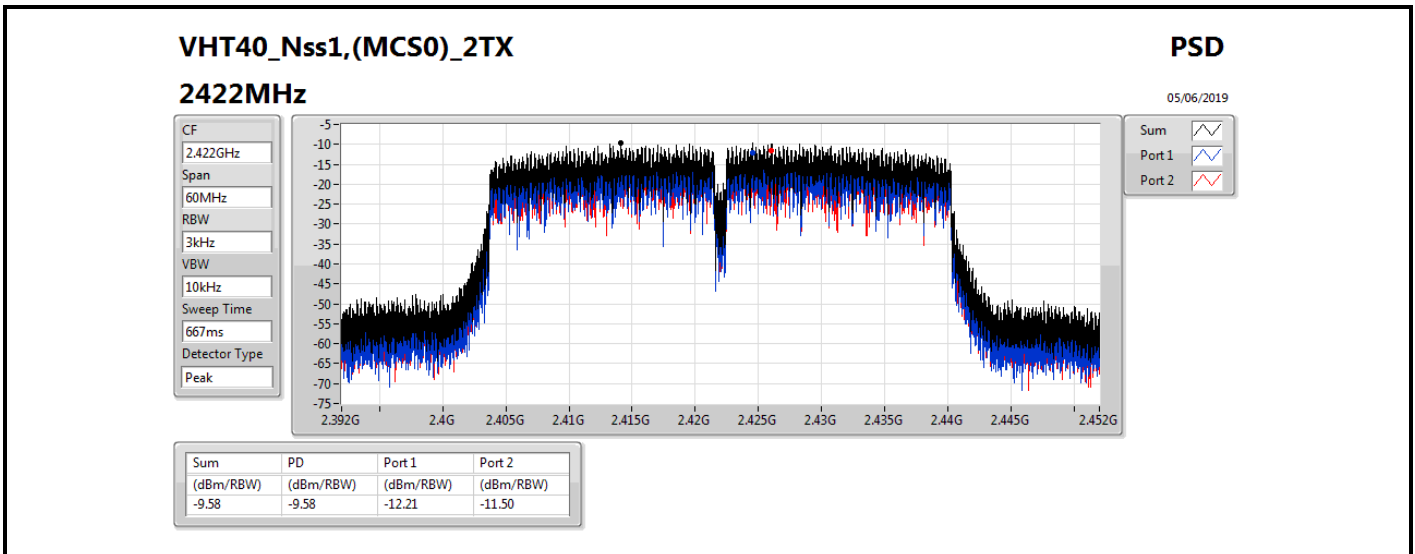
DG = Directional Gain; RBW=3 kHz;

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











Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-4.91
VHT40-BF_Nss1,(MCS0)_2TX	-5.38

RBW=3 kHz.

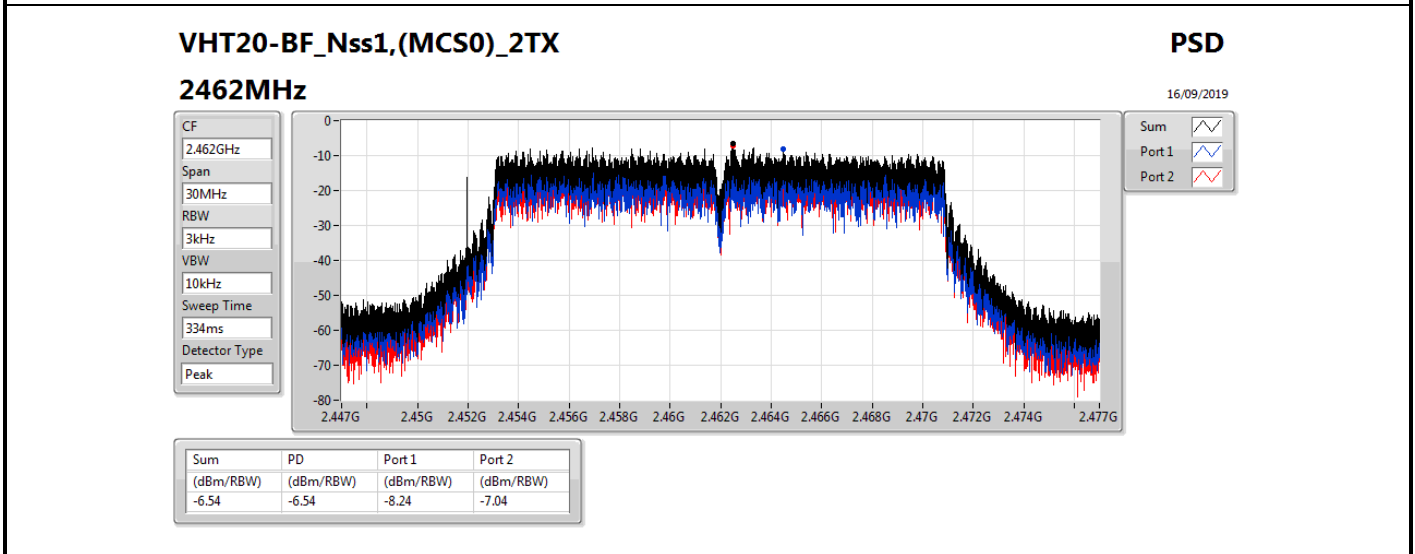
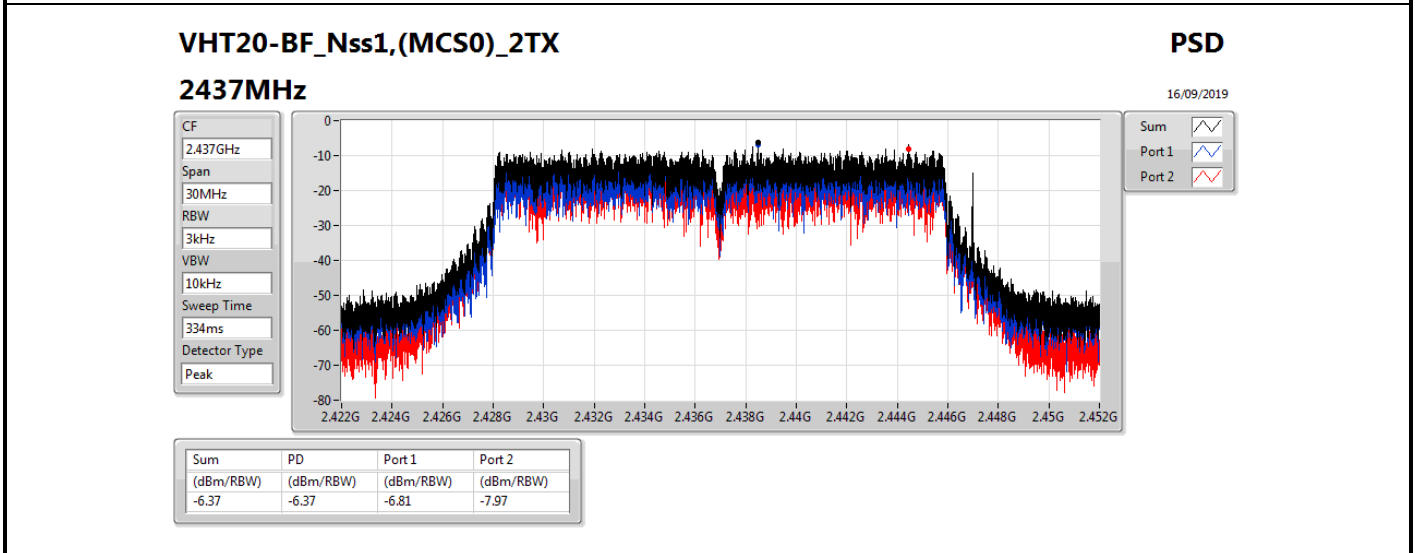
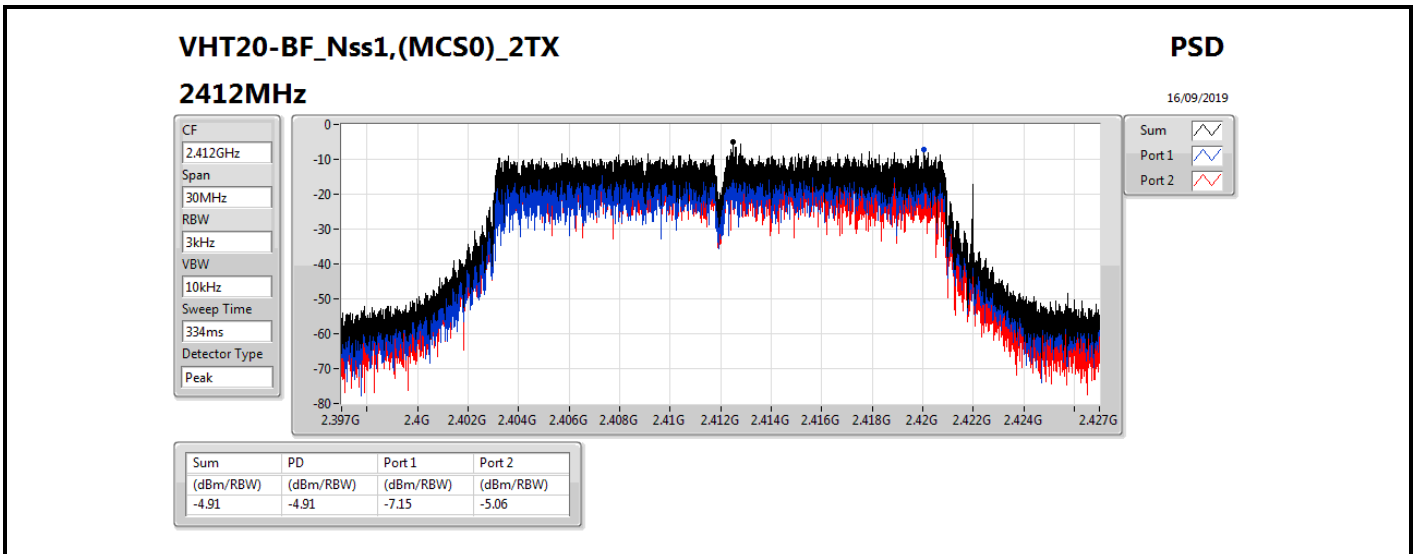


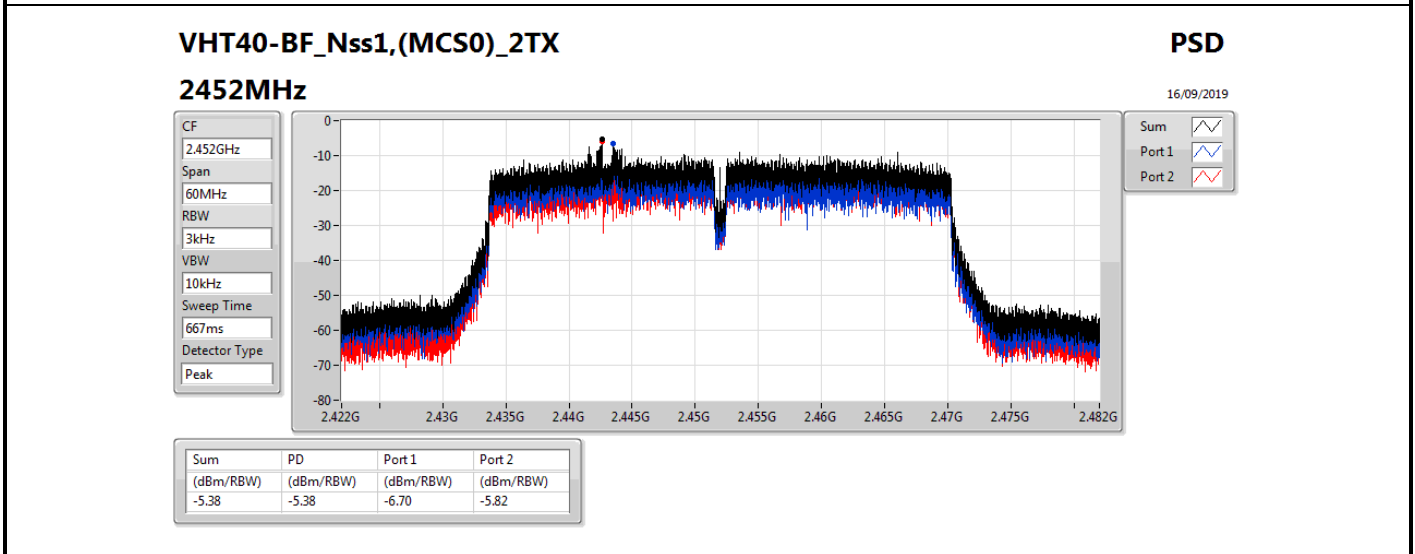
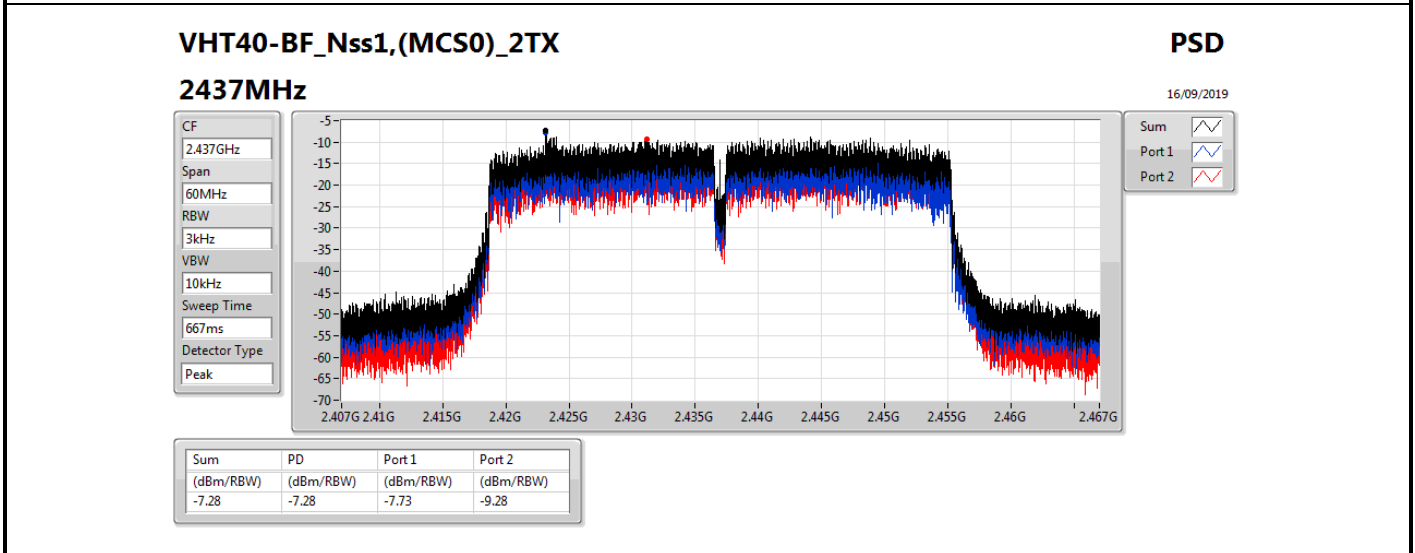
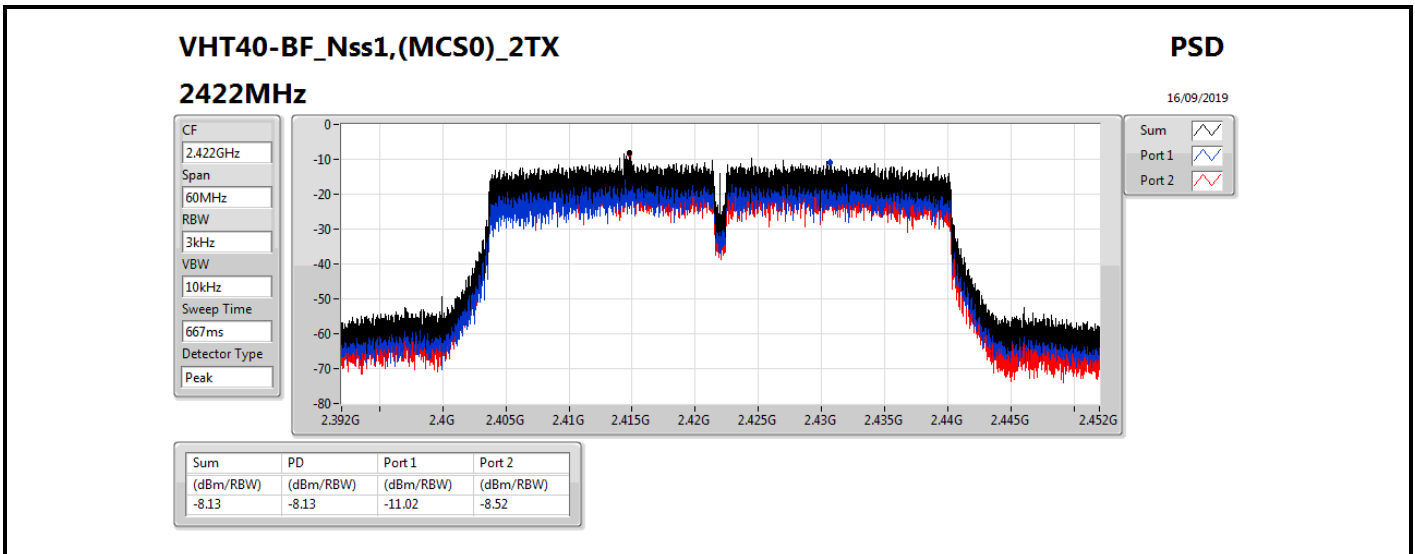
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	-7.15	-5.06	-4.91	8.00
2437MHz	Pass	4.00	-6.81	-7.97	-6.37	8.00
2462MHz	Pass	4.00	-8.24	-7.04	-6.54	8.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.00	-11.02	-8.52	-8.13	8.00
2437MHz	Pass	4.00	-7.73	-9.28	-7.28	8.00
2452MHz	Pass	4.00	-6.70	-5.82	-5.38	8.00

DG = Directional Gain; RBW=3 kHz;

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







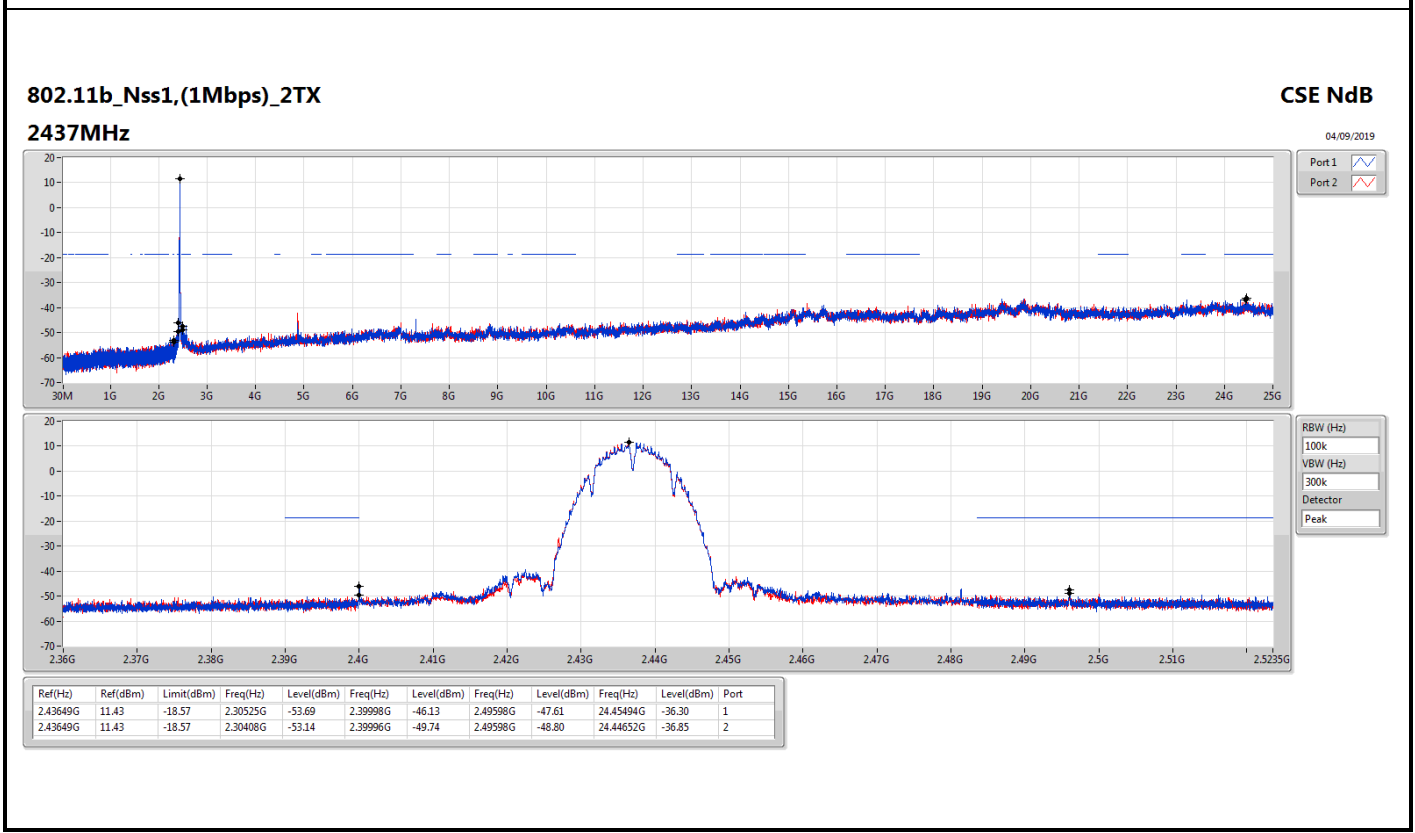
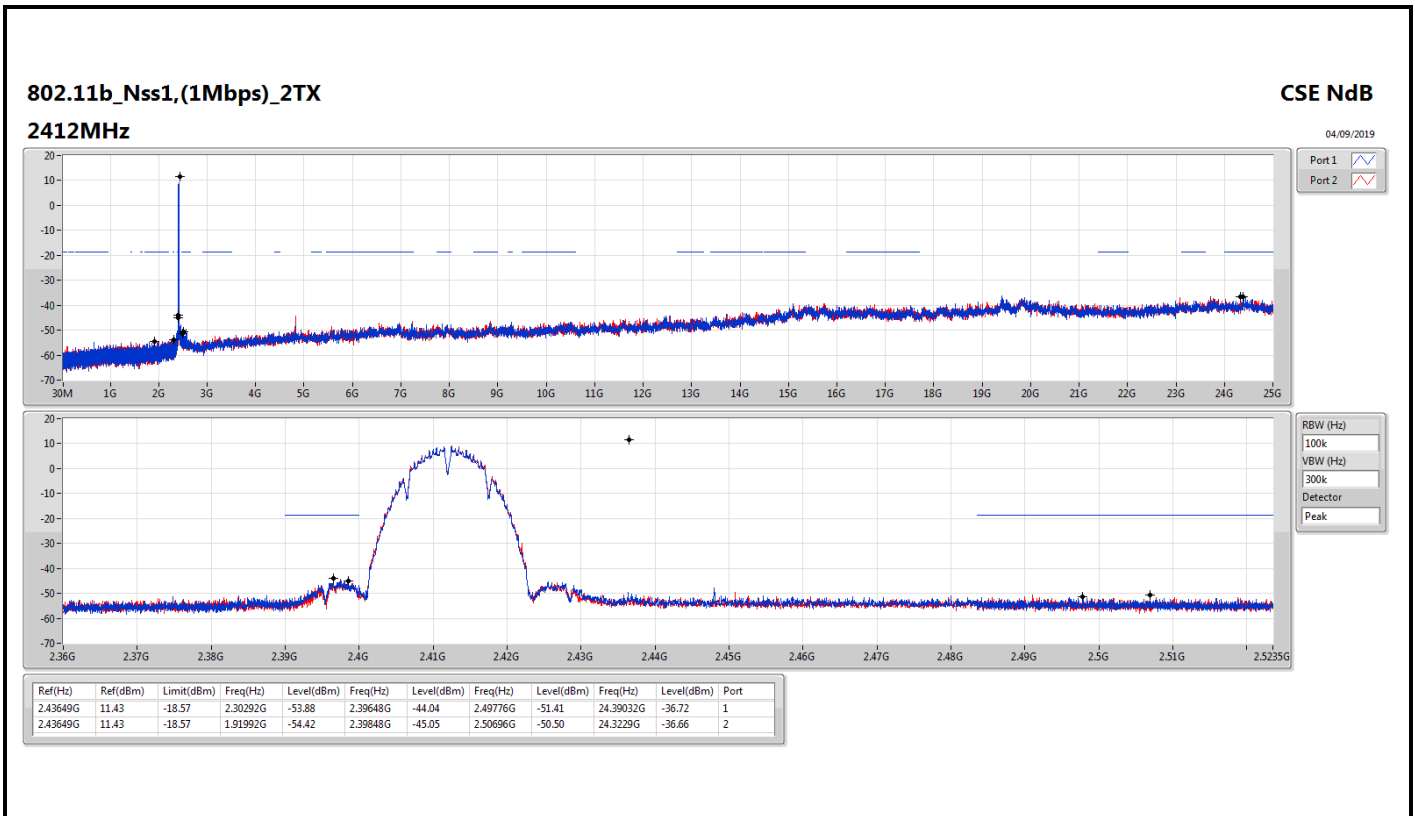
Summary

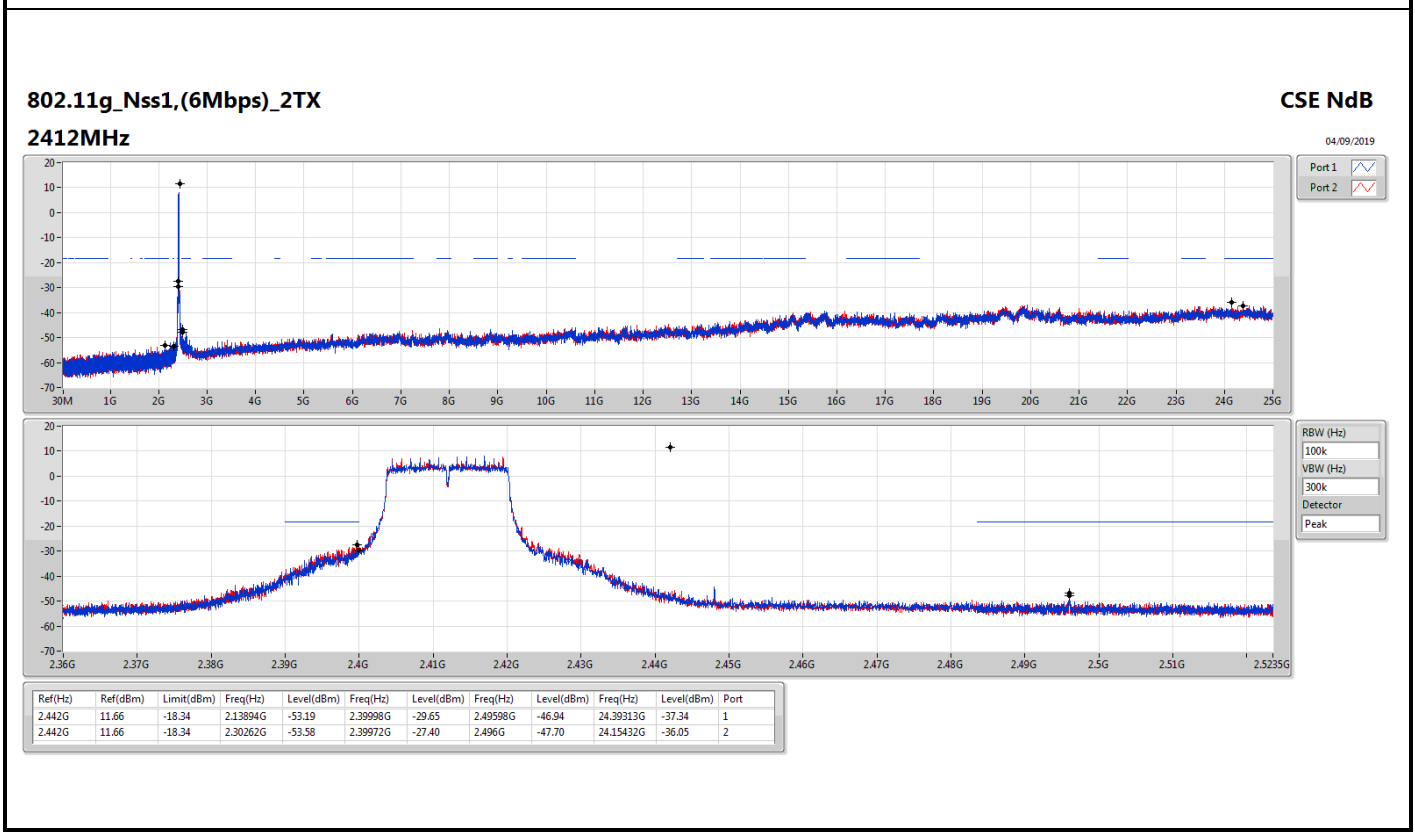
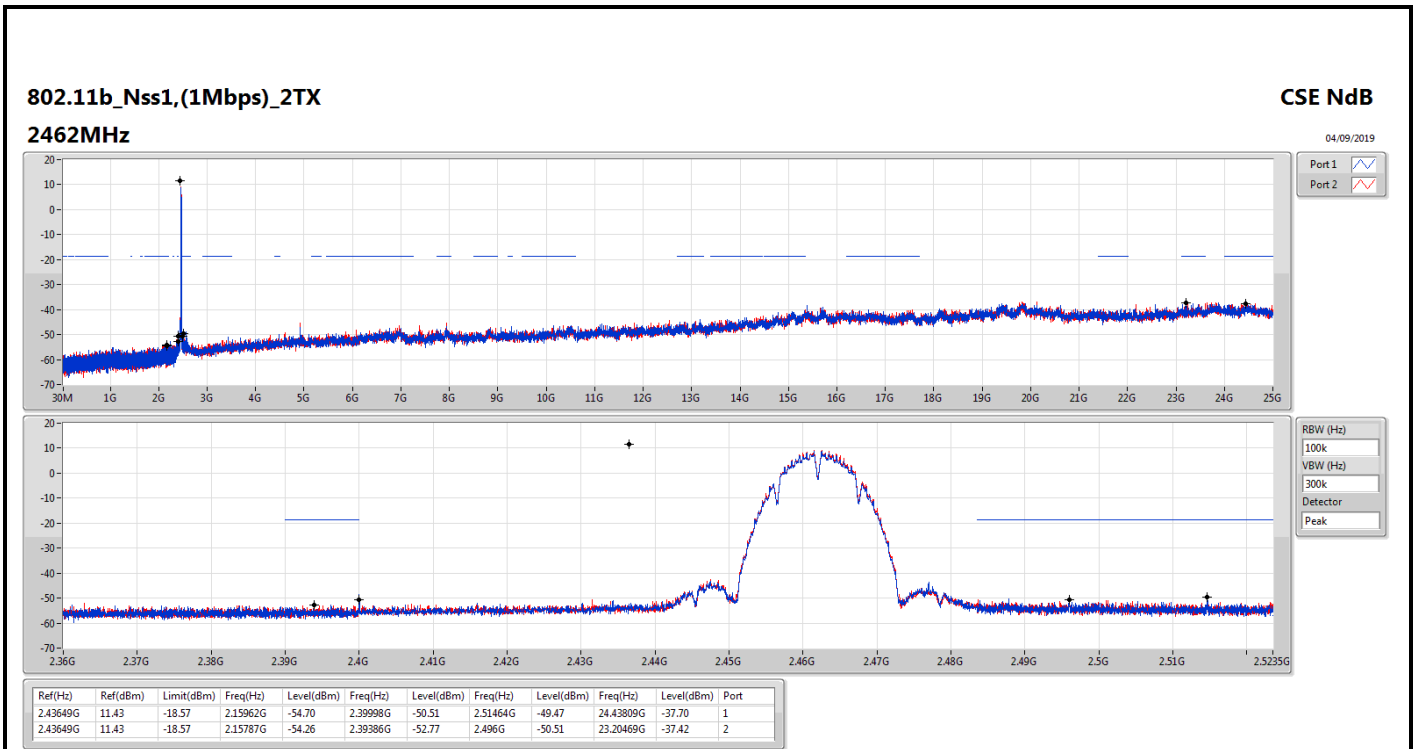
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43649G	11.43	-18.57	2.30525G	-53.69	2.39998G	-46.13	2.49598G	-47.61	24.45494G	-36.30	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	11.66	-18.34	2.30262G	-53.58	2.39972G	-27.40	2.496G	-47.70	24.15432G	-36.05	2
VHT20_Nss1,(MCS0)_2TX	Pass	2.43198G	12.94	-17.06	2.19603G	-53.89	2.39886G	-27.53	2.496G	-49.22	24.43809G	-36.92	2
VHT40_Nss1,(MCS0)_2TX	Pass	2.43198G	5.97	-24.03	2.19548G	-53.76	2.39824G	-33.43	2.4837G	-39.67	24.44189G	-35.58	1

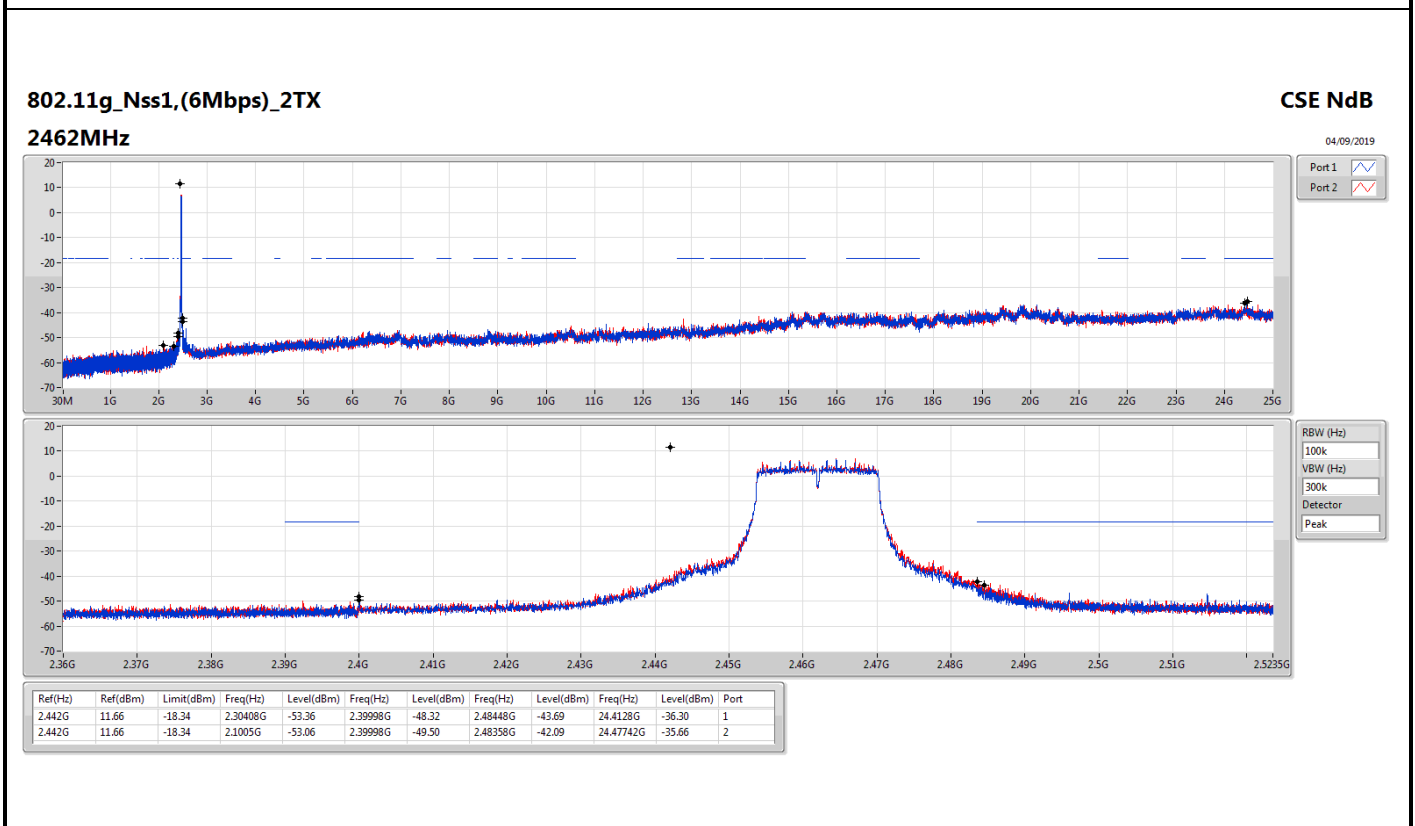
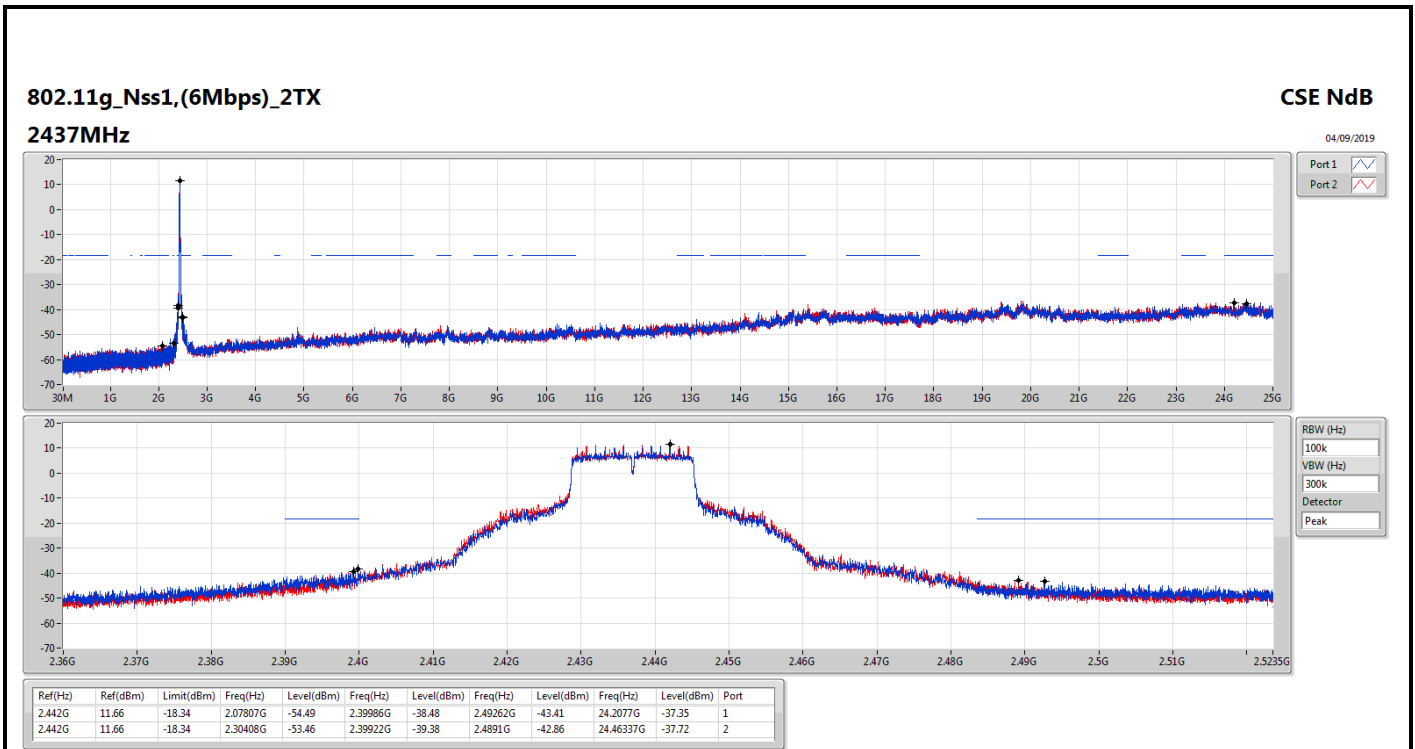


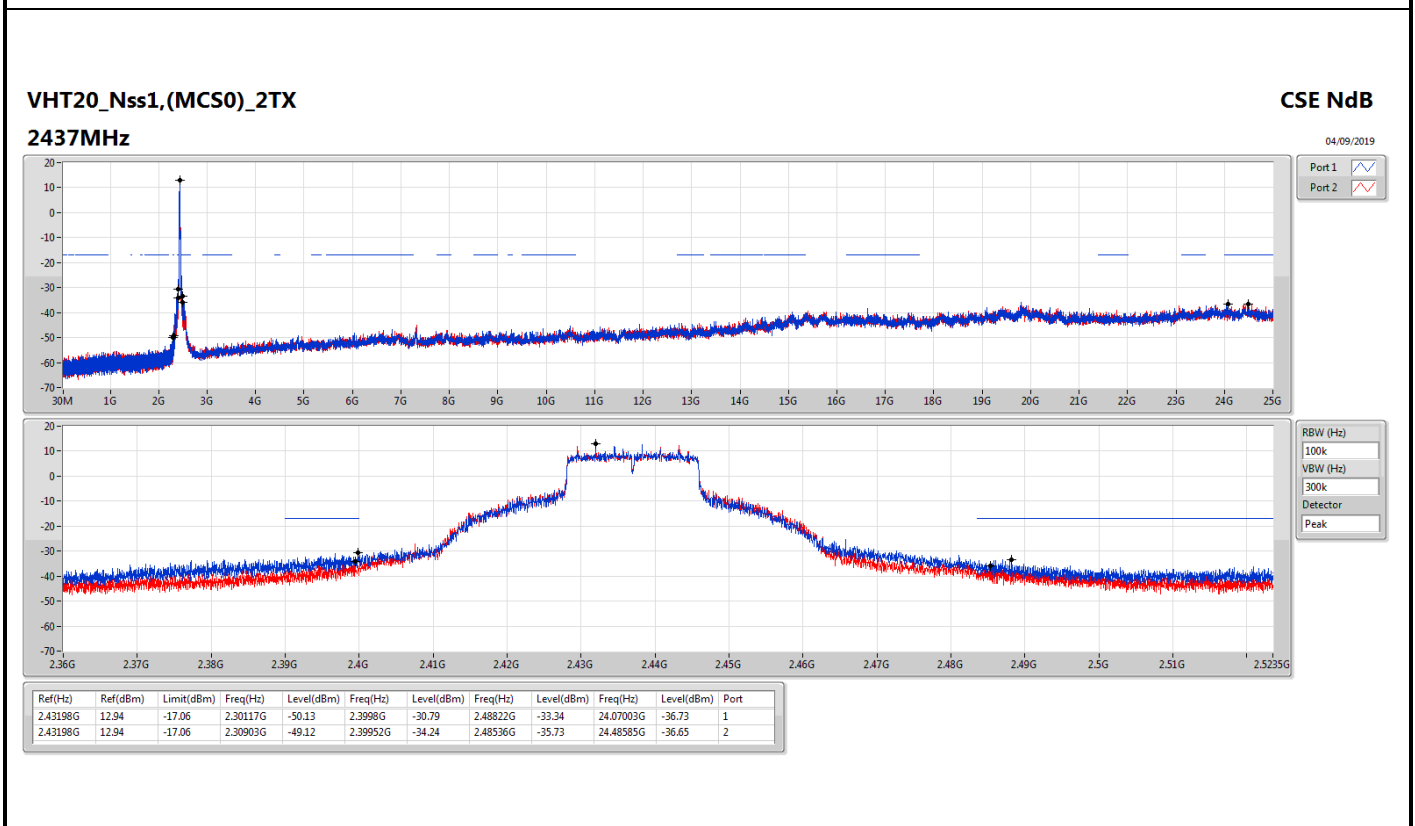
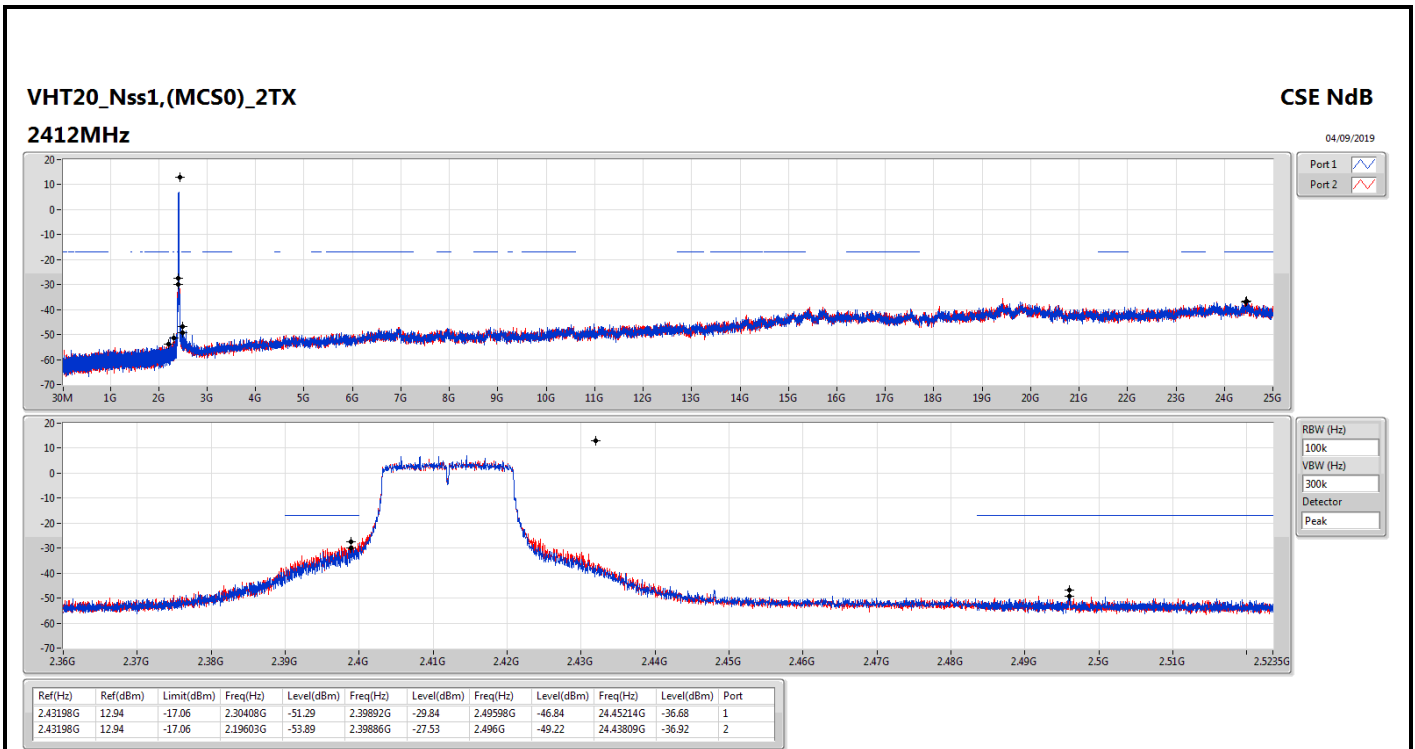
Result

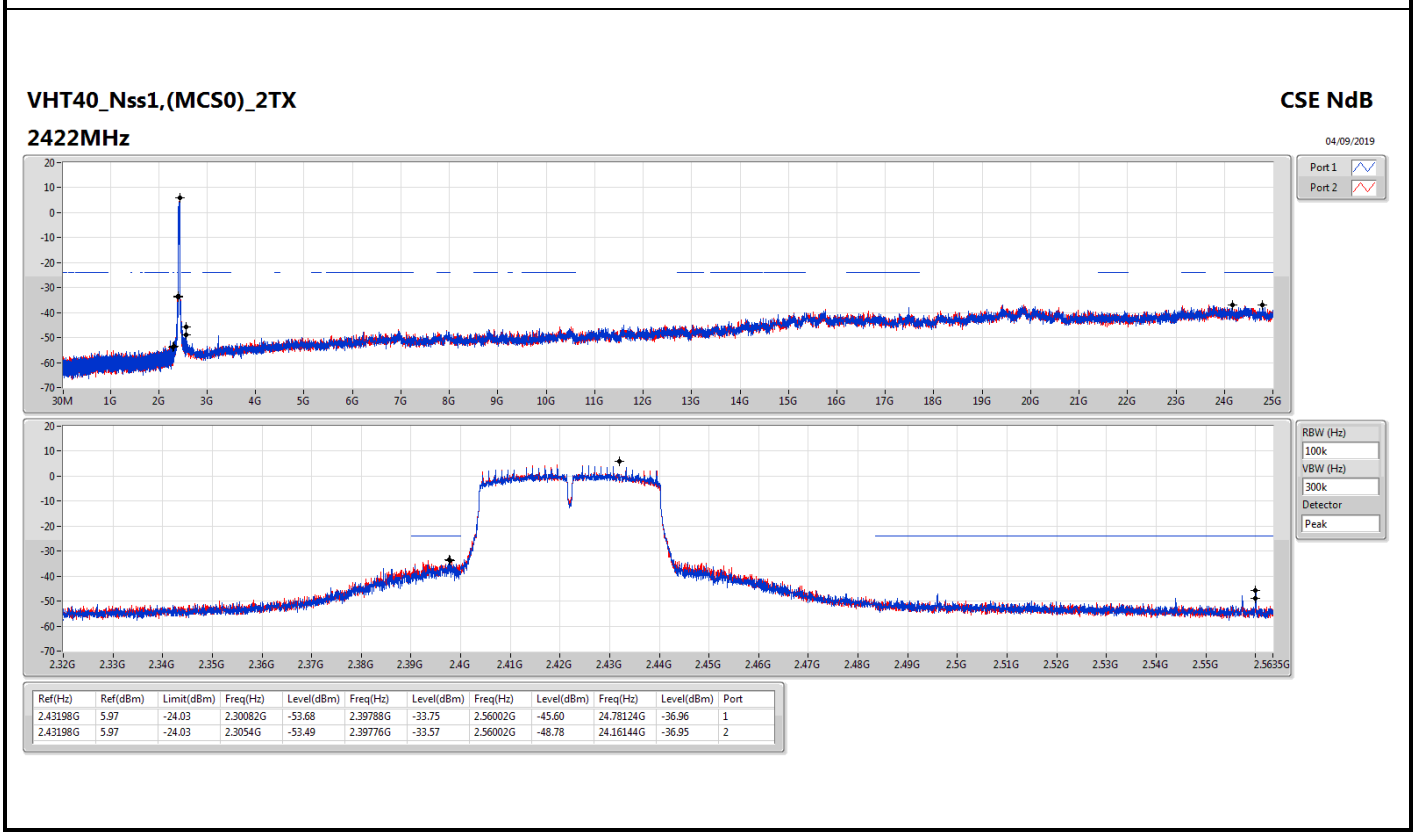
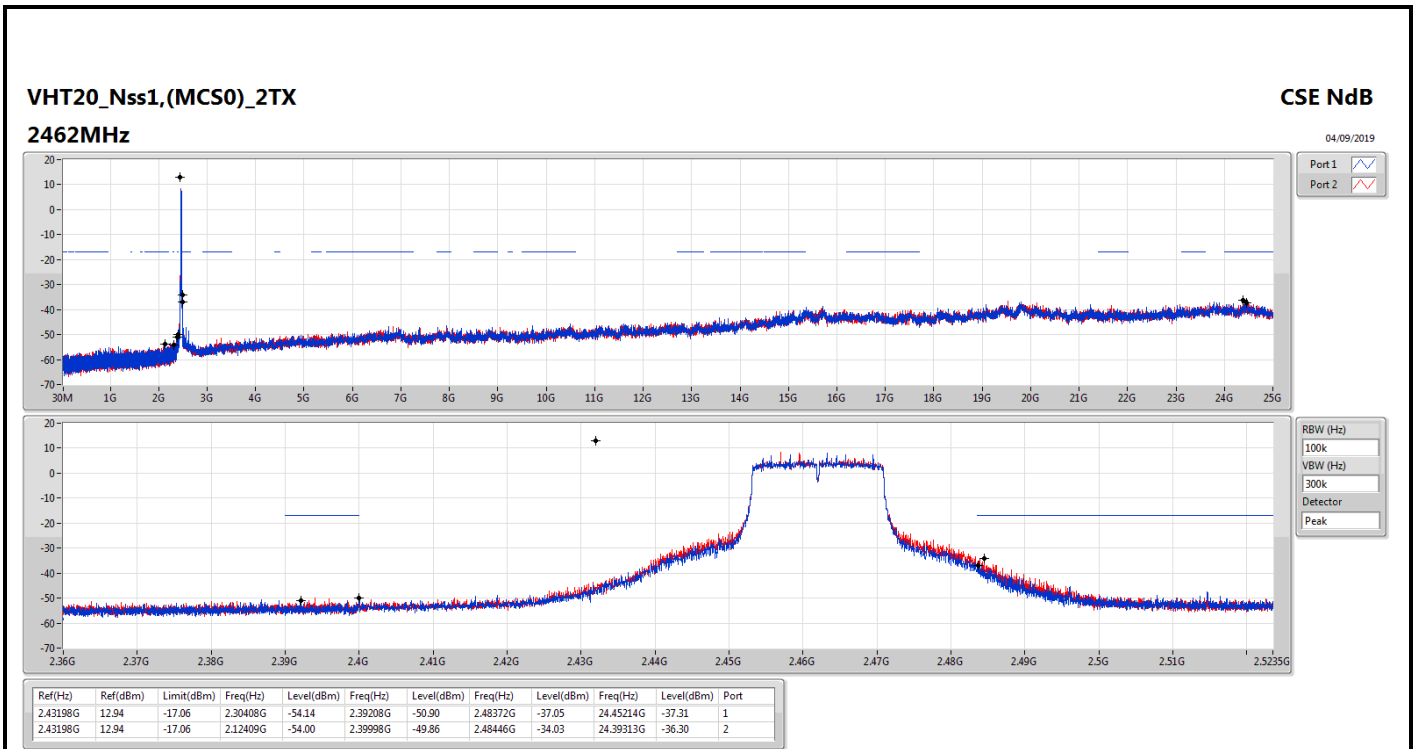
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43649G	11.43	-18.57	2.30292G	-53.88	2.39648G	-44.04	2.49776G	-51.41	24.39032G	-36.72	1
2412MHz_TnomVnom	Pass	2.43649G	11.43	-18.57	1.91992G	-54.42	2.39848G	-45.05	2.50696G	-50.50	24.3229G	-36.66	2
2437MHz_TnomVnom	Pass	2.43649G	11.43	-18.57	2.30525G	-53.69	2.39998G	-46.13	2.49598G	-47.61	24.45494G	-36.30	1
2437MHz_TnomVnom	Pass	2.43649G	11.43	-18.57	2.30408G	-53.14	2.39996G	-49.74	2.49598G	-48.80	24.44652G	-36.85	2
2462MHz_TnomVnom	Pass	2.43649G	11.43	-18.57	2.15962G	-54.70	2.39998G	-50.51	2.51464G	-49.47	24.43809G	-37.70	1
2462MHz_TnomVnom	Pass	2.43649G	11.43	-18.57	2.15787G	-54.26	2.39386G	-52.77	2.496G	-50.51	23.20469G	-37.42	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.442G	11.66	-18.34	2.13894G	-53.19	2.39998G	-29.65	2.49598G	-46.94	24.39313G	-37.34	1
2412MHz_TnomVnom	Pass	2.442G	11.66	-18.34	2.30262G	-53.58	2.39972G	-27.40	2.496G	-47.70	24.15432G	-36.05	2
2437MHz_TnomVnom	Pass	2.442G	11.66	-18.34	2.07807G	-54.49	2.39986G	-38.48	2.49262G	-43.41	24.2077G	-37.35	1
2437MHz_TnomVnom	Pass	2.442G	11.66	-18.34	2.30408G	-53.46	2.39922G	-39.38	2.4891G	-42.86	24.46337G	-37.72	2
2462MHz_TnomVnom	Pass	2.442G	11.66	-18.34	2.30408G	-53.36	2.39998G	-48.32	2.48448G	-43.69	24.4128G	-36.30	1
2462MHz_TnomVnom	Pass	2.442G	11.66	-18.34	2.1005G	-53.06	2.39998G	-49.50	2.48358G	-42.09	24.47742G	-35.66	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43198G	12.94	-17.06	2.30408G	-51.29	2.39892G	-29.84	2.49598G	-46.84	24.45214G	-36.68	1
2412MHz_TnomVnom	Pass	2.43198G	12.94	-17.06	2.19603G	-53.89	2.39886G	-27.53	2.496G	-49.22	24.43809G	-36.92	2
2437MHz_TnomVnom	Pass	2.43198G	12.94	-17.06	2.30117G	-50.13	2.3998G	-30.79	2.48822G	-33.34	24.07003G	-36.73	1
2437MHz_TnomVnom	Pass	2.43198G	12.94	-17.06	2.30903G	-49.12	2.39952G	-34.24	2.48536G	-35.73	24.48585G	-36.65	2
2462MHz_TnomVnom	Pass	2.43198G	12.94	-17.06	2.30408G	-54.14	2.39208G	-50.90	2.48372G	-37.05	24.45214G	-37.31	1
2462MHz_TnomVnom	Pass	2.43198G	12.94	-17.06	2.12409G	-54.00	2.39998G	-49.86	2.48446G	-34.03	24.39313G	-36.30	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43198G	5.97	-24.03	2.30082G	-53.68	2.39788G	-33.75	2.56002G	-45.60	24.78124G	-36.96	1
2422MHz_TnomVnom	Pass	2.43198G	5.97	-24.03	2.3054G	-53.49	2.39776G	-33.57	2.56002G	-48.78	24.16144G	-36.95	2
2437MHz_TnomVnom	Pass	2.43198G	5.97	-24.03	2.19548G	-53.76	2.39824G	-33.43	2.4837G	-39.67	24.44189G	-35.58	1
2437MHz_TnomVnom	Pass	2.43198G	5.97	-24.03	2.30826G	-53.61	2.39948G	-33.63	2.48378G	-39.85	24.0156G	-37.26	2
2452MHz_TnomVnom	Pass	2.43198G	5.97	-24.03	2.30512G	-54.32	2.39996G	-47.04	2.48386G	-39.36	24.40263G	-36.94	1
2452MHz_TnomVnom	Pass	2.43198G	5.97	-24.03	2.30426G	-53.70	2.39964G	-47.56	2.48406G	-40.36	24.38861G	-36.72	2

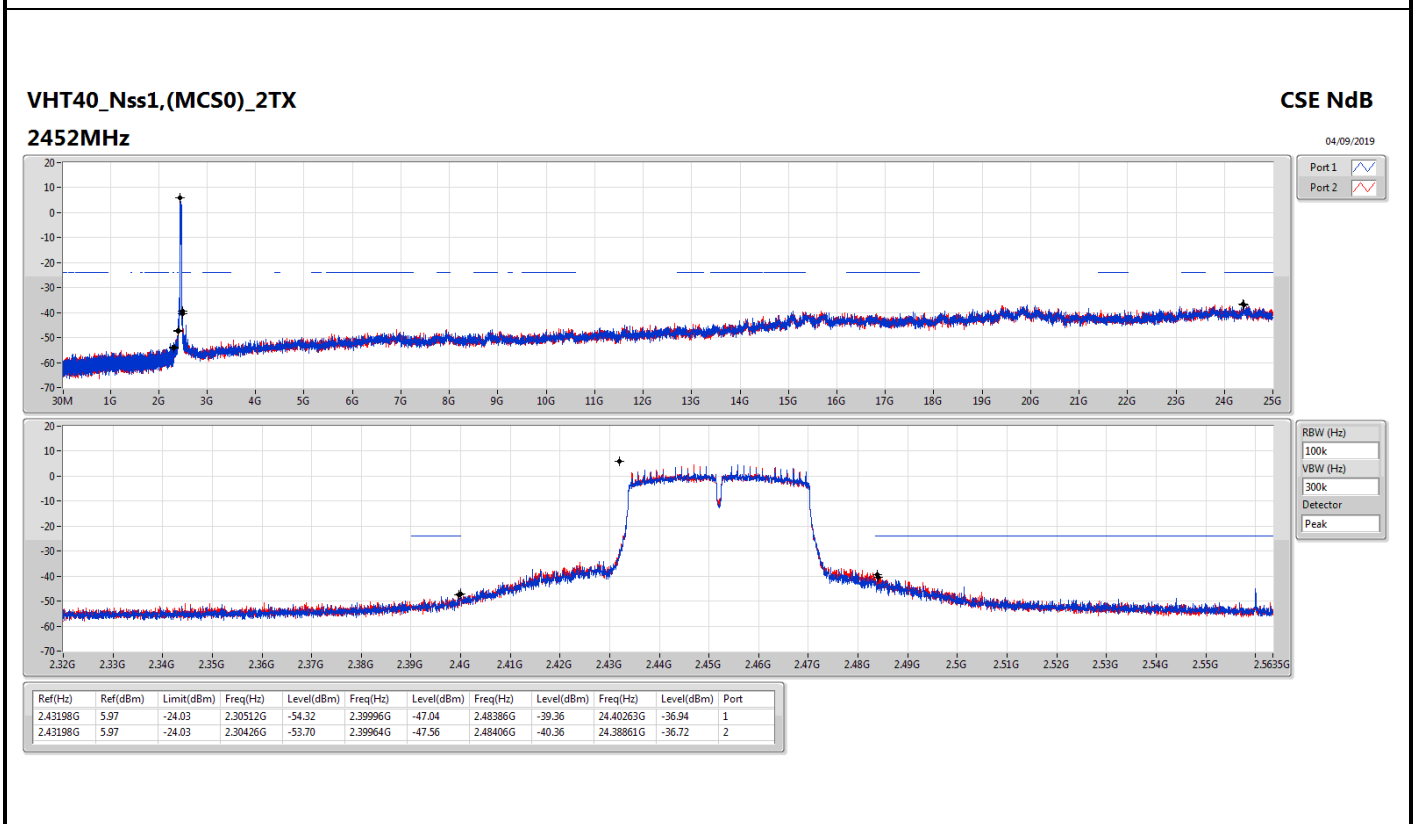
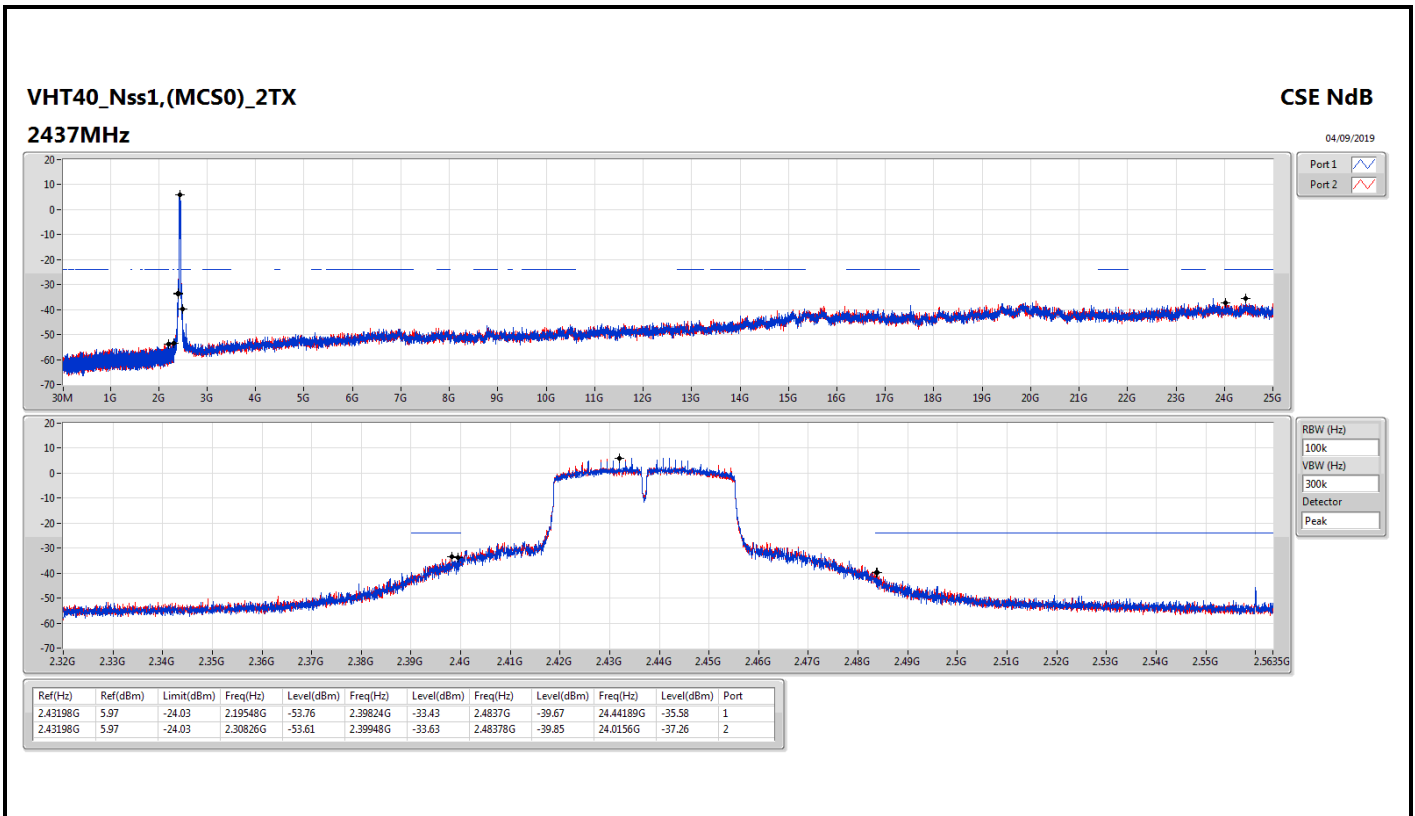














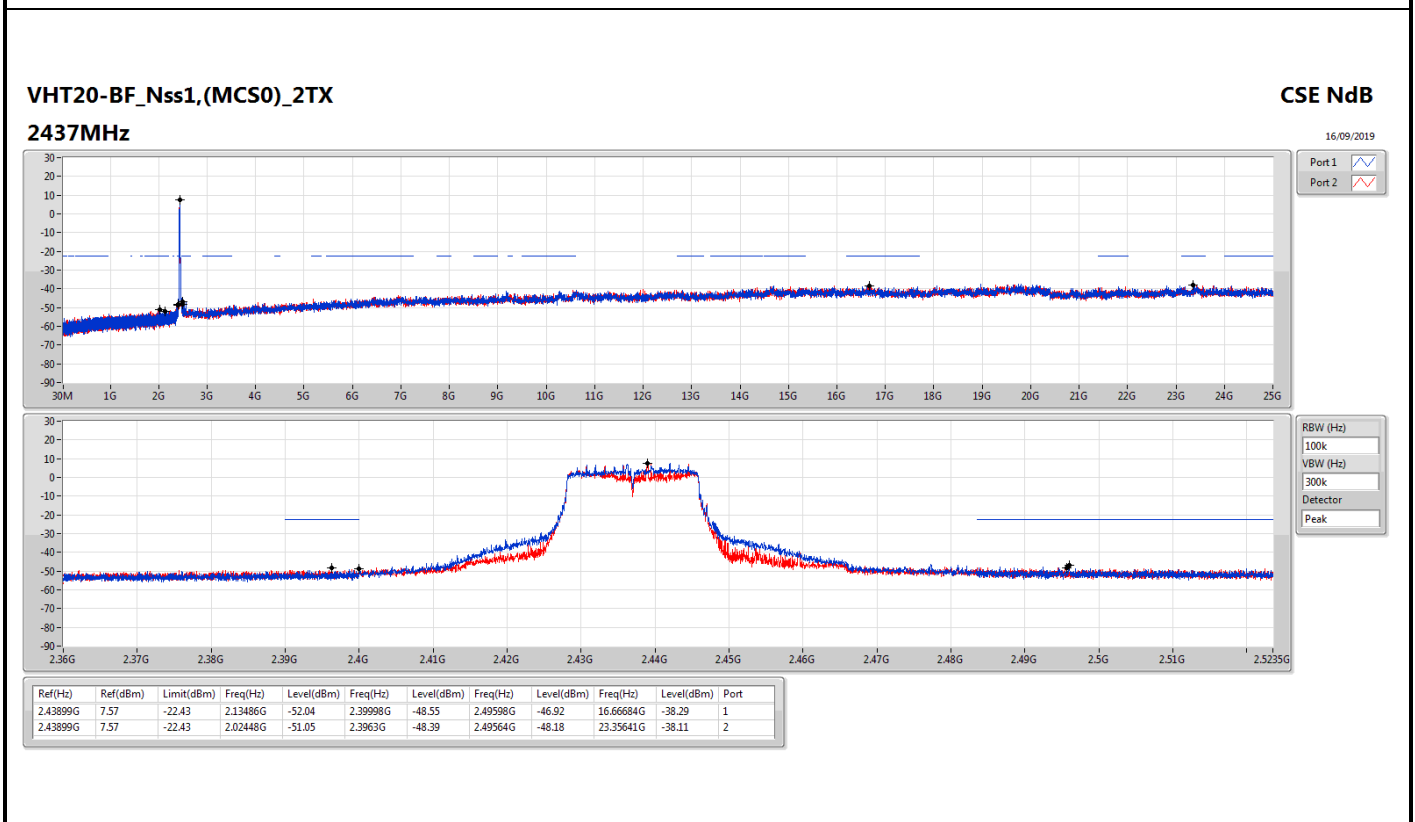
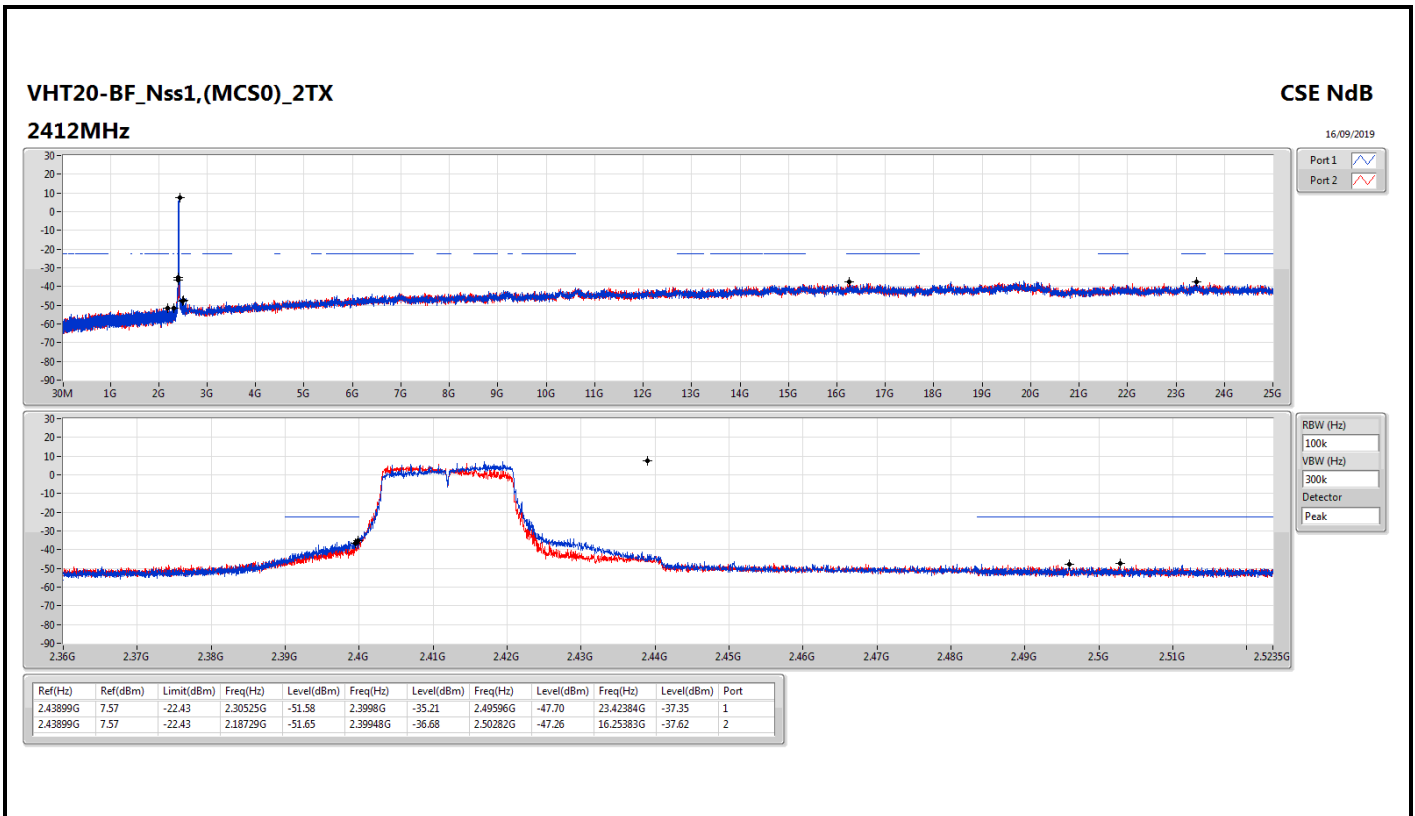
Summary

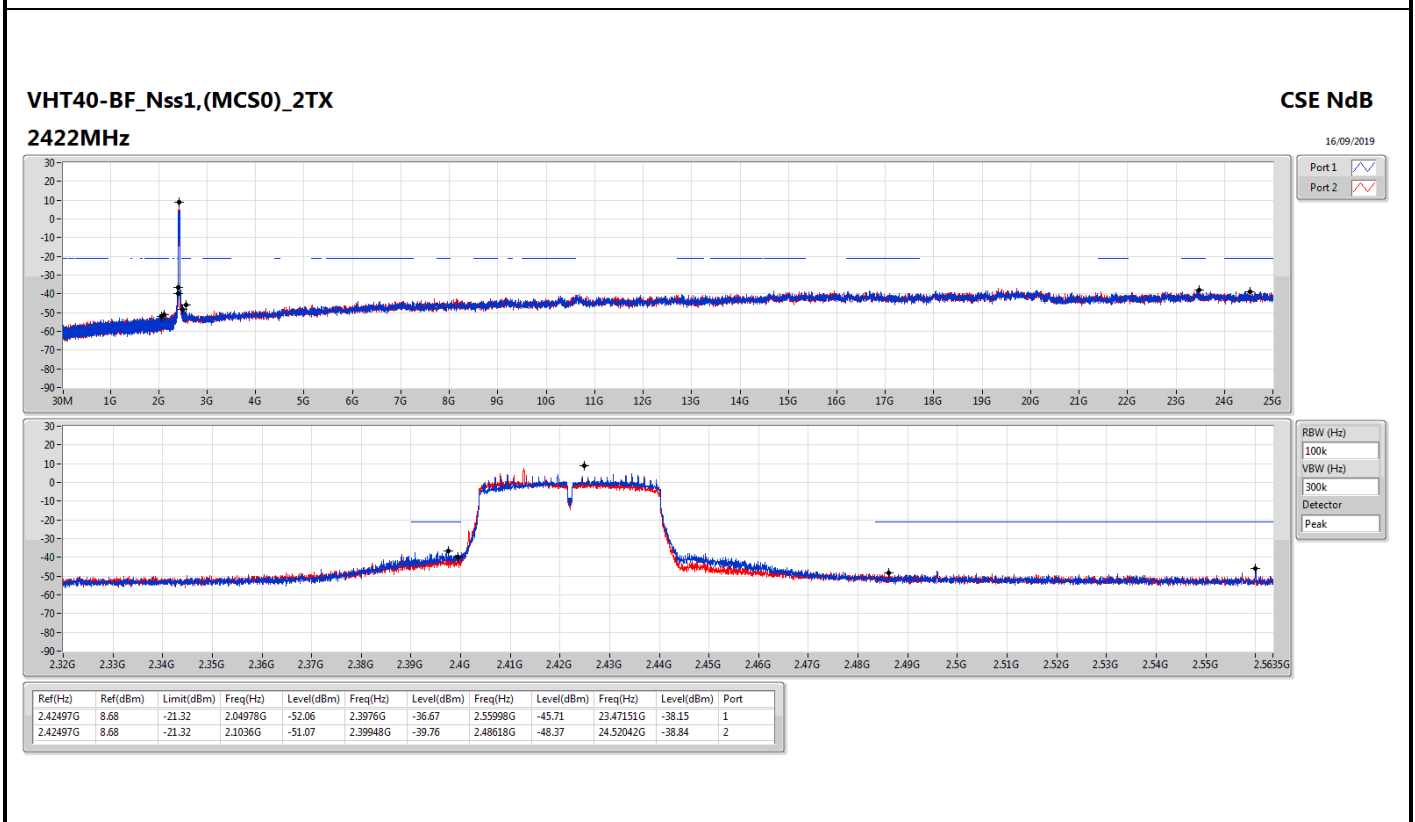
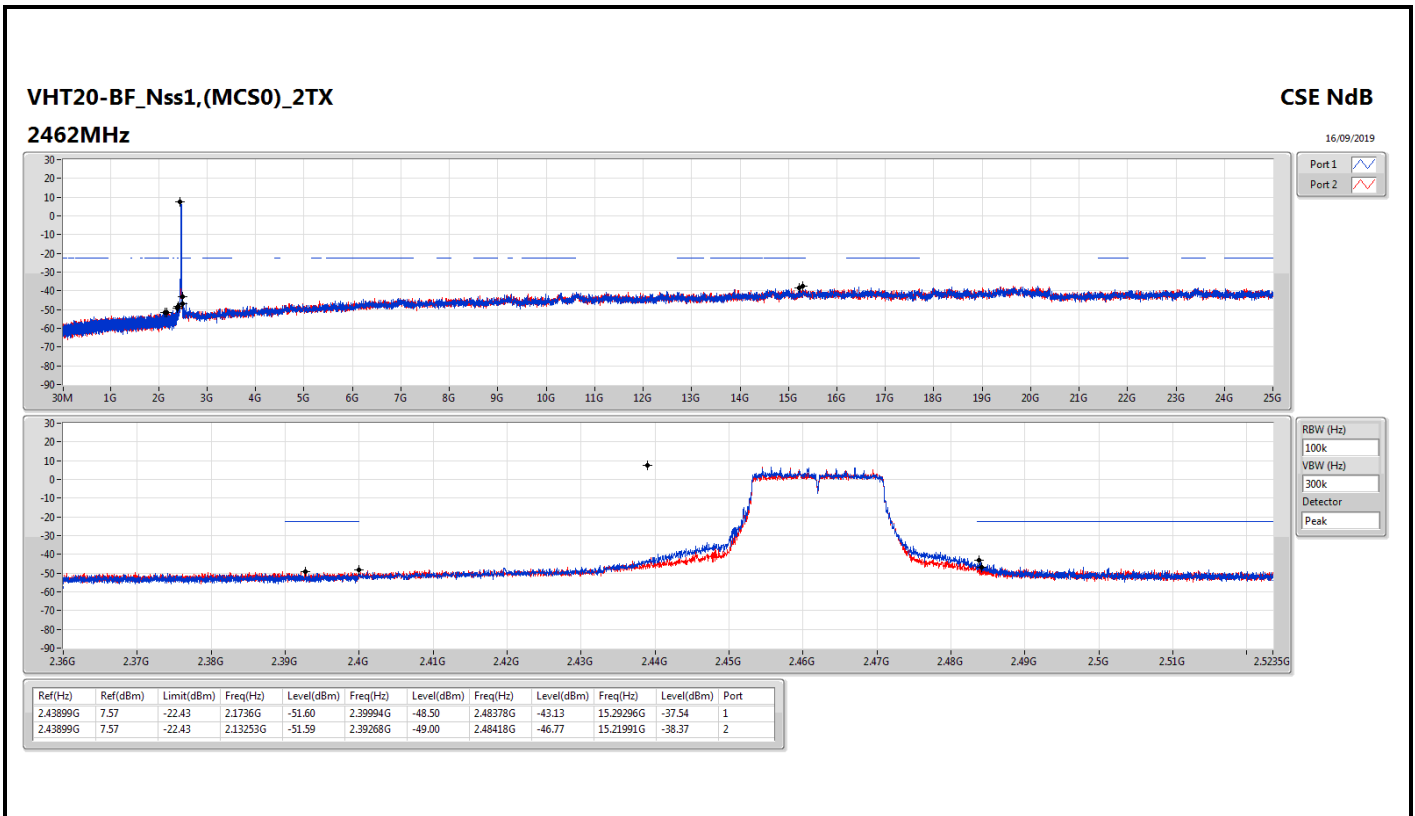
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.43899G	7.57	-22.43	2.30525G	-51.58	2.3998G	-35.21	2.49596G	-47.70	23.42384G	-37.35	1
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42497G	8.68	-21.32	1.89406G	-51.93	2.39844G	-33.04	2.48386G	-42.42	23.44908G	-38.46	1



Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43899G	7.57	-22.43	2.30525G	-51.58	2.3998G	-35.21	2.49596G	-47.70	23.42384G	-37.35	1
2412MHz	Pass	2.43899G	7.57	-22.43	2.18729G	-51.65	2.39948G	-36.68	2.50282G	-47.26	16.25383G	-37.62	2
2437MHz	Pass	2.43899G	7.57	-22.43	2.13486G	-52.04	2.39998G	-48.55	2.49598G	-46.92	16.66684G	-38.29	1
2437MHz	Pass	2.43899G	7.57	-22.43	2.02448G	-51.05	2.3963G	-48.39	2.49564G	-48.18	23.35641G	-38.11	2
2462MHz	Pass	2.43899G	7.57	-22.43	2.1736G	-51.60	2.39994G	-48.50	2.48378G	-43.13	15.29296G	-37.54	1
2462MHz	Pass	2.43899G	7.57	-22.43	2.13253G	-51.59	2.39268G	-49.00	2.48418G	-46.77	15.21991G	-38.37	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42497G	8.68	-21.32	2.04978G	-52.06	2.3976G	-36.67	2.55998G	-45.71	23.47151G	-38.15	1
2422MHz	Pass	2.42497G	8.68	-21.32	2.1036G	-51.07	2.39948G	-39.76	2.48618G	-48.37	24.52042G	-38.84	2
2437MHz	Pass	2.42497G	8.68	-21.32	1.89406G	-51.93	2.39844G	-33.04	2.48386G	-42.42	23.44908G	-38.46	1
2437MHz	Pass	2.42497G	8.68	-21.32	2.13251G	-51.83	2.39992G	-36.11	2.48718G	-42.73	16.26659G	-38.45	2
2452MHz	Pass	2.42497G	8.68	-21.32	2.12163G	-51.93	2.39996G	-46.81	2.48386G	-37.64	14.66238G	-38.57	1
2452MHz	Pass	2.42497G	8.68	-21.32	2.16772G	-51.32	2.39828G	-47.55	2.4851G	-41.21	16.78544G	-38.55	2



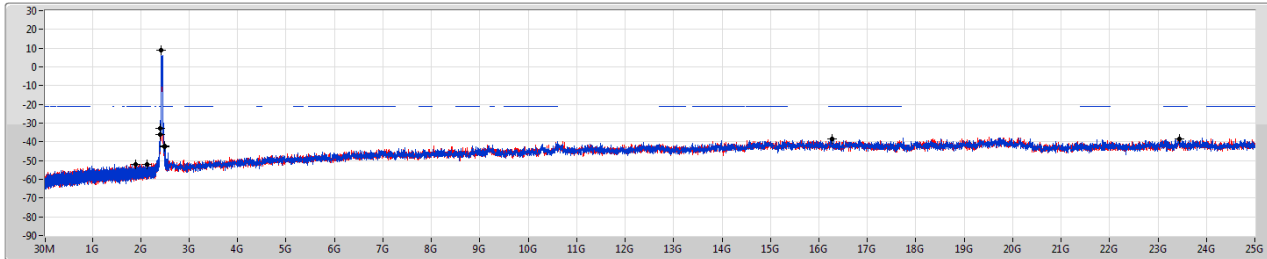


VHT40-BF_Nss1,(MCS0)_2TX

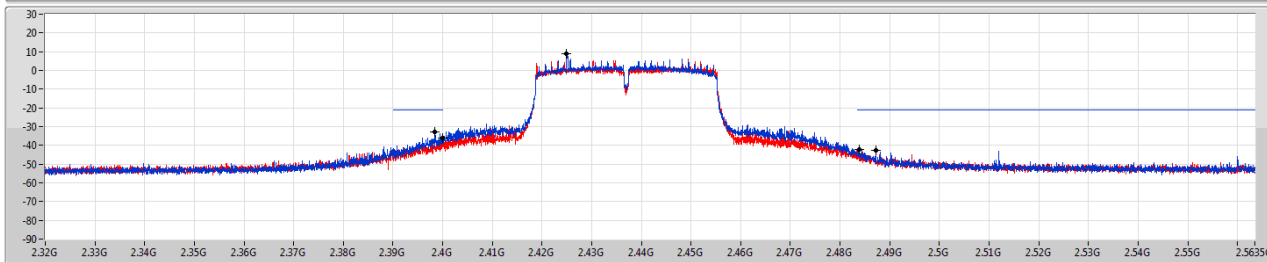
CSE NdB

2437MHz

16/09/2019



Port 1 
Port 2 



RBW (Hz)
VBW (Hz)
Detector

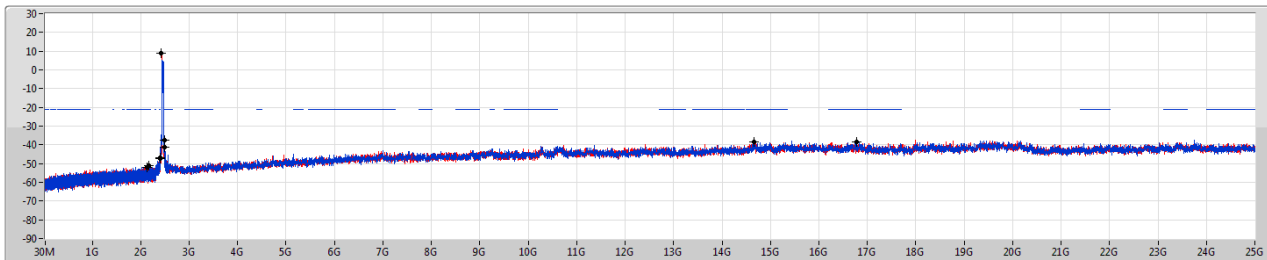
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42497G	8.68	-21.32	1.89406G	-51.93	2.39844G	-33.04	2.48386G	-42.42	23.44908G	-38.46	1
2.42497G	8.68	-21.32	2.13251G	-51.83	2.39992G	-36.11	2.48718G	-42.73	16.26659G	-38.45	2

VHT40-BF_Nss1,(MCS0)_2TX

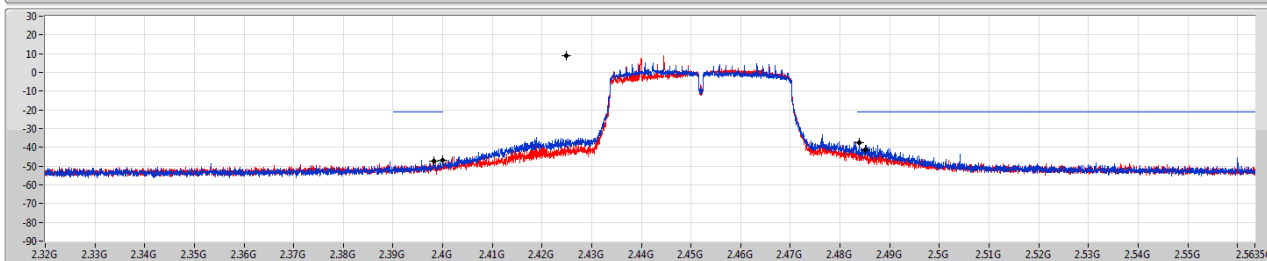
CSE NdB

2452MHz

16/09/2019



Port 1 
Port 2 



RBW (Hz)
VBW (Hz)
Detector

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42497G	8.68	-21.32	2.12163G	-51.93	2.39996G	-46.81	2.48386G	-37.64	14.66238G	-38.57	1
2.42497G	8.68	-21.32	2.16772G	-51.32	2.39828G	-47.55	2.4851G	-41.21	16.78544G	-38.55	2



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	-	-	-	-	-	-	-	-	-	-	-	-
VHT40_Nss1,(MCS0)_2TX	Pass	PK	37.76M	36.79	40.00	-3.21	-17.07	3	Vertical	0	1.00	-



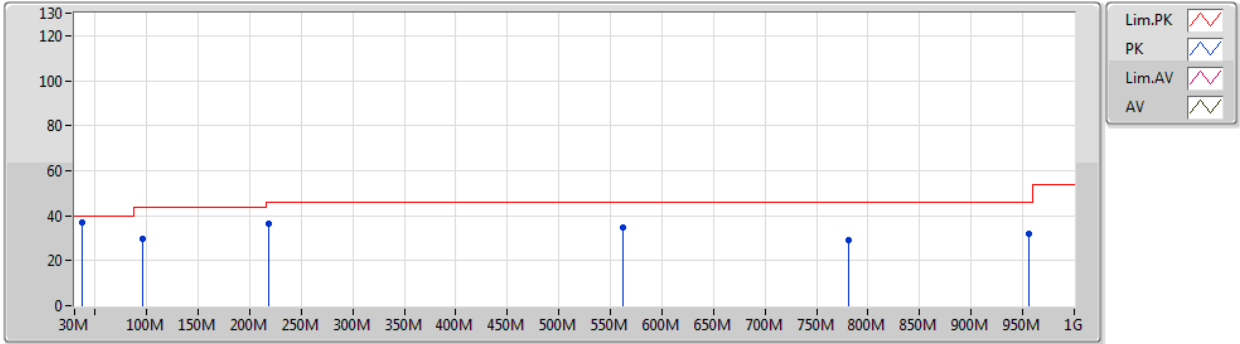
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	37.76M	36.79	40.00	-3.21	-17.07	3	Vertical	0	1.00	-
2437MHz	Pass	PK	95.96M	29.75	43.50	-13.75	-21.39	3	Vertical	0	1.00	-
2437MHz	Pass	PK	218.18M	36.68	46.00	-9.32	-20.89	3	Vertical	0	1.00	-
2437MHz	Pass	PK	561.56M	34.77	46.00	-11.23	-9.92	3	Vertical	0	1.00	-
2437MHz	Pass	PK	780.78M	28.88	46.00	-17.12	-7.67	3	Vertical	0	1.00	-
2437MHz	Pass	PK	955.38M	31.77	46.00	-14.23	-4.48	3	Vertical	0	1.00	-
2437MHz	Pass	PK	35.82M	22.04	40.00	-17.96	-16.12	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	95.96M	27.59	43.50	-15.91	-21.39	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	218.18M	36.12	46.00	-9.88	-20.89	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	579.02M	33.29	46.00	-12.71	-10.56	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	819.58M	30.08	46.00	-15.92	-7.58	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	932.1M	30.98	46.00	-15.02	-5.34	3	Horizontal	360	1.00	-



VHT40_Nss1,(MCS0)_2TX
2437MHz_Switching Power Supply

17/09/2019

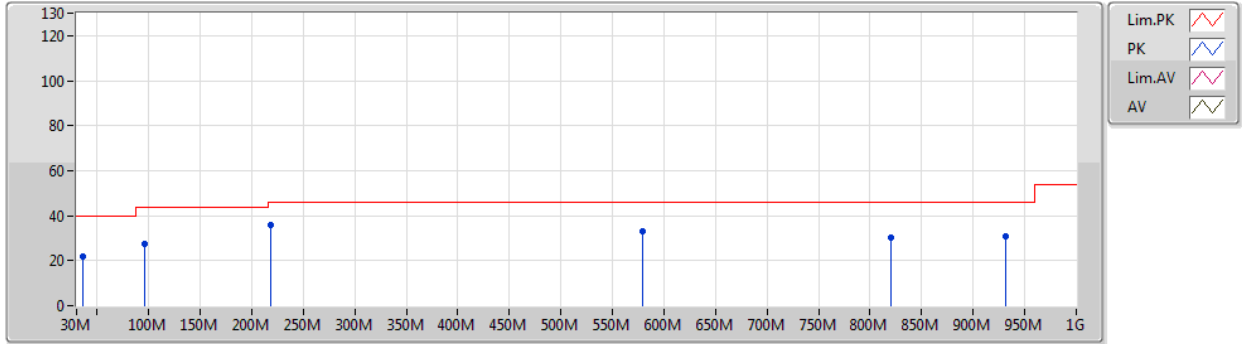


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	37.76M	36.79	40.00	-3.21	-17.07	3	Vertical	0	1.00	-	53.86	19.67	0.53	37.27
PK	95.96M	29.75	43.50	-13.75	-21.39	3	Vertical	0	1.00	-	51.14	14.63	0.79	36.81
PK	218.18M	36.68	46.00	-9.32	-20.89	3	Vertical	0	1.00	-	57.57	14.27	1.22	36.38
PK	561.56M	34.77	46.00	-11.23	-9.92	3	Vertical	0	1.00	-	44.69	25.15	2.03	37.10
PK	780.78M	28.88	46.00	-17.12	-7.67	3	Vertical	0	1.00	-	36.55	27.38	2.42	37.47
PK	955.38M	31.77	46.00	-14.23	-4.48	3	Vertical	0	1.00	-	36.25	30.18	2.61	37.27



VHT40_Nss1,(MCS0)_2TX
2437MHz_Switching Power Supply

17/09/2019



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	35.82M	22.04	40.00	-17.96	-16.12	3	Horizontal	360	1.00	-	38.16	20.65	0.52	37.29
PK	95.96M	27.59	43.50	-15.91	-21.39	3	Horizontal	360	1.00	-	48.98	14.63	0.79	36.81
PK	218.18M	36.12	46.00	-9.88	-20.89	3	Horizontal	360	1.00	-	57.01	14.27	1.22	36.38
PK	579.02M	33.29	46.00	-12.71	-10.56	3	Horizontal	360	1.00	-	43.85	24.54	2.06	37.16
PK	819.58M	30.08	46.00	-15.92	-7.58	3	Horizontal	360	1.00	-	37.66	27.44	2.48	37.50
PK	932.1M	30.98	46.00	-15.02	-5.34	3	Horizontal	360	1.00	-	36.32	29.44	2.58	37.36



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	4.87398G	53.81	54.00	-0.19	3.64	3	Horizontal	165	1.49	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.72	54.00	-0.28	32.09	3	Horizontal	233	1.53	-
VHT20_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.94	54.00	-0.06	32.09	3	Horizontal	232	1.50	-
VHT40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.96	54.00	-0.04	32.48	3	Horizontal	229	1.25	-



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	2.3852G	45.49	54.00	-8.51	31.89	3	Vertical	173	1.03	-
2412MHz	Pass	AV	2.4138G	103.48	Inf	-Inf	32.01	3	Vertical	173	1.03	-
2412MHz	Pass	PK	2.372G	57.26	74.00	-16.74	31.84	3	Vertical	173	1.03	-
2412MHz	Pass	PK	2.4136G	106.91	Inf	-Inf	32.01	3	Vertical	173	1.03	-
2412MHz	Pass	AV	2.3868G	45.57	54.00	-8.43	31.89	3	Horizontal	326	1.11	-
2412MHz	Pass	AV	2.4112G	105.18	Inf	-Inf	31.99	3	Horizontal	326	1.11	-
2412MHz	Pass	PK	2.3686G	57.25	74.00	-16.75	31.82	3	Horizontal	326	1.11	-
2412MHz	Pass	PK	2.411G	108.98	Inf	-Inf	31.99	3	Horizontal	326	1.11	-
2412MHz	Pass	AV	4.82396G	52.29	54.00	-1.71	3.53	3	Vertical	327	1.46	-
2412MHz	Pass	PK	4.82397G	54.51	74.00	-19.49	3.53	3	Vertical	327	1.46	-
2412MHz	Pass	AV	4.82401G	53.78	54.00	-0.22	3.53	3	Horizontal	125	1.91	-
2412MHz	Pass	PK	4.82402G	55.60	74.00	-18.40	3.53	3	Horizontal	125	1.91	-
2417MHz	Pass	AV	2.39G	46.31	54.00	-7.69	32.09	3	Vertical	157	1.41	-
2417MHz	Pass	AV	2.4162G	110.85	Inf	-Inf	32.20	3	Vertical	157	1.41	-
2417MHz	Pass	PK	2.3812G	58.23	74.00	-15.77	32.05	3	Vertical	157	1.41	-
2417MHz	Pass	PK	2.416G	114.70	Inf	-Inf	32.20	3	Vertical	157	1.41	-
2417MHz	Pass	AV	2.3804G	45.97	54.00	-8.03	32.05	3	Horizontal	229	2.25	-
2417MHz	Pass	AV	2.4178G	111.52	Inf	-Inf	32.20	3	Horizontal	229	2.25	-
2417MHz	Pass	PK	2.39G	59.29	74.00	-14.71	32.09	3	Horizontal	229	2.25	-
2417MHz	Pass	PK	2.418G	115.57	Inf	-Inf	32.20	3	Horizontal	229	2.25	-
2437MHz	Pass	AV	2.3894G	45.68	54.00	-8.32	31.91	3	Vertical	147	1.50	-
2437MHz	Pass	AV	2.4362G	105.57	Inf	-Inf	32.09	3	Vertical	147	1.50	-
2437MHz	Pass	AV	2.4962G	45.84	54.00	-8.16	32.33	3	Vertical	147	1.50	-
2437MHz	Pass	PK	2.3894G	57.09	74.00	-16.91	31.91	3	Vertical	147	1.50	-
2437MHz	Pass	PK	2.4378G	109.44	Inf	-Inf	32.10	3	Vertical	147	1.50	-
2437MHz	Pass	PK	2.4978G	57.58	74.00	-16.42	32.33	3	Vertical	147	1.50	-
2437MHz	Pass	AV	2.3854G	45.78	54.00	-8.22	31.89	3	Horizontal	307	2.40	-
2437MHz	Pass	AV	2.4378G	108.99	Inf	-Inf	32.10	3	Horizontal	307	2.40	-
2437MHz	Pass	AV	2.4962G	46.95	54.00	-7.05	32.33	3	Horizontal	307	2.40	-
2437MHz	Pass	PK	2.3782G	57.31	74.00	-16.69	31.86	3	Horizontal	307	2.40	-
2437MHz	Pass	PK	2.4378G	113.19	Inf	-Inf	32.10	3	Horizontal	307	2.40	-
2437MHz	Pass	PK	2.4878G	57.84	74.00	-16.16	32.30	3	Horizontal	307	2.40	-
2437MHz	Pass	AV	4.87397G	53.11	54.00	-0.89	3.64	3	Vertical	332	1.98	-
2437MHz	Pass	PK	4.87398G	55.47	74.00	-18.53	3.64	3	Vertical	332	1.98	-
2437MHz	Pass	AV	4.87398G	53.81	54.00	-0.19	3.64	3	Horizontal	165	1.49	-
2437MHz	Pass	PK	4.87394G	56.03	74.00	-17.97	3.64	3	Horizontal	165	1.49	-
2457MHz	Pass	AV	2.4578G	109.36	Inf	-Inf	32.37	3	Vertical	153	2.53	-
2457MHz	Pass	AV	2.496G	45.93	54.00	-8.07	32.53	3	Vertical	153	2.53	-
2457MHz	Pass	PK	2.458G	113.39	Inf	-Inf	32.37	3	Vertical	153	2.53	-
2457MHz	Pass	PK	2.4916G	57.44	74.00	-16.56	32.51	3	Vertical	153	2.53	-
2457MHz	Pass	AV	2.4562G	109.01	Inf	-Inf	32.37	3	Horizontal	198	1.50	-
2457MHz	Pass	AV	2.496G	46.87	54.00	-7.13	32.53	3	Horizontal	198	1.50	-
2457MHz	Pass	PK	2.456G	112.91	Inf	-Inf	32.37	3	Horizontal	198	1.50	-
2457MHz	Pass	PK	2.4966G	58.81	74.00	-15.19	32.53	3	Horizontal	198	1.50	-
2462MHz	Pass	AV	2.4612G	102.83	Inf	-Inf	32.19	3	Vertical	360	2.32	-
2462MHz	Pass	AV	2.5G	45.78	54.00	-8.22	32.35	3	Vertical	360	2.32	-
2462MHz	Pass	PK	2.461G	106.57	Inf	-Inf	32.19	3	Vertical	360	2.32	-



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	2.4972G	56.95	74.00	-17.05	32.33	3	Vertical	360	2.32	-
2462MHz	Pass	AV	2.4628G	106.75	Inf	-Inf	32.20	3	Horizontal	317	2.27	-
2462MHz	Pass	AV	2.496G	46.56	54.00	-7.44	32.33	3	Horizontal	317	2.27	-
2462MHz	Pass	PK	2.463G	110.75	Inf	-Inf	32.20	3	Horizontal	317	2.27	-
2462MHz	Pass	PK	2.4876G	59.08	74.00	-14.92	32.30	3	Horizontal	317	2.27	-
2462MHz	Pass	AV	4.92397G	48.71	54.00	-5.29	3.75	3	Vertical	209	1.52	-
2462MHz	Pass	PK	4.92405G	52.04	74.00	-21.96	3.75	3	Vertical	209	1.52	-
2462MHz	Pass	AV	4.924G	53.29	54.00	-0.71	3.75	3	Horizontal	112	2.19	-
2462MHz	Pass	PK	4.92398G	55.35	74.00	-18.65	3.75	3	Horizontal	112	2.19	-
802.11g_Nss1_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	52.34	54.00	-1.66	32.09	3	Vertical	156	1.42	-
2412MHz	Pass	AV	2.4186G	103.58	Inf	-Inf	32.21	3	Vertical	156	1.42	-
2412MHz	Pass	PK	2.3886G	66.73	74.00	-7.27	32.09	3	Vertical	156	1.42	-
2412MHz	Pass	PK	2.4188G	113.85	Inf	-Inf	32.21	3	Vertical	156	1.42	-
2412MHz	Pass	AV	2.39G	53.64	54.00	-0.36	32.09	3	Horizontal	229	2.33	-
2412MHz	Pass	AV	2.4104G	103.61	Inf	-Inf	32.17	3	Horizontal	229	2.33	-
2412MHz	Pass	PK	2.3898G	68.94	74.00	-5.06	32.09	3	Horizontal	229	2.33	-
2412MHz	Pass	PK	2.4152G	113.74	Inf	-Inf	32.20	3	Horizontal	229	2.33	-
2412MHz	Pass	AV	4.8258G	39.67	54.00	-14.33	3.70	3	Vertical	154	1.45	-
2412MHz	Pass	PK	4.82516G	53.28	74.00	-20.72	3.70	3	Vertical	154	1.45	-
2412MHz	Pass	AV	4.82556G	38.86	54.00	-15.14	3.70	3	Horizontal	213	1.50	-
2412MHz	Pass	PK	4.82512G	52.48	74.00	-21.52	3.70	3	Horizontal	213	1.50	-
2417MHz	Pass	AV	2.389G	52.80	54.00	-1.20	32.09	3	Vertical	161	1.43	-
2417MHz	Pass	AV	2.4186G	105.48	Inf	-Inf	32.21	3	Vertical	161	1.43	-
2417MHz	Pass	PK	2.3888G	68.55	74.00	-5.45	32.09	3	Vertical	161	1.43	-
2417MHz	Pass	PK	2.4188G	115.60	Inf	-Inf	32.21	3	Vertical	161	1.43	-
2417MHz	Pass	AV	2.39G	53.72	54.00	-0.28	32.09	3	Horizontal	233	1.53	-
2417MHz	Pass	AV	2.4208G	105.38	Inf	-Inf	32.21	3	Horizontal	233	1.53	-
2417MHz	Pass	PK	2.386G	68.09	74.00	-5.91	32.07	3	Horizontal	233	1.53	-
2417MHz	Pass	PK	2.4208G	115.23	Inf	-Inf	32.21	3	Horizontal	233	1.53	-
2437MHz	Pass	AV	2.3894G	51.09	54.00	-2.91	32.09	3	Vertical	158	1.05	-
2437MHz	Pass	AV	2.4338G	107.37	Inf	-Inf	32.27	3	Vertical	158	1.05	-
2437MHz	Pass	AV	2.4835G	51.96	54.00	-2.04	32.48	3	Vertical	158	1.05	-
2437MHz	Pass	PK	2.3846G	67.51	74.00	-6.49	32.06	3	Vertical	158	1.05	-
2437MHz	Pass	PK	2.4338G	117.64	Inf	-Inf	32.27	3	Vertical	158	1.05	-
2437MHz	Pass	PK	2.4882G	68.29	74.00	-5.71	32.49	3	Vertical	158	1.05	-
2437MHz	Pass	AV	2.3862G	51.30	54.00	-2.70	32.07	3	Horizontal	230	1.50	-
2437MHz	Pass	AV	2.4358G	107.65	Inf	-Inf	32.28	3	Horizontal	230	1.50	-
2437MHz	Pass	AV	2.485G	52.45	54.00	-1.55	32.48	3	Horizontal	230	1.50	-
2437MHz	Pass	PK	2.3858G	69.07	74.00	-4.93	32.07	3	Horizontal	230	1.50	-
2437MHz	Pass	PK	2.4306G	117.78	Inf	-Inf	32.26	3	Horizontal	230	1.50	-
2437MHz	Pass	PK	2.485G	69.95	74.00	-4.05	32.48	3	Horizontal	230	1.50	-
2437MHz	Pass	AV	4.87616G	42.75	54.00	-11.25	3.82	3	Vertical	231	1.50	-
2437MHz	Pass	PK	4.87436G	50.66	74.00	-23.34	3.81	3	Vertical	231	1.50	-
2437MHz	Pass	AV	4.87412G	46.21	54.00	-7.79	3.81	3	Horizontal	354	1.97	-
2437MHz	Pass	PK	4.87448G	58.62	74.00	-15.38	3.81	3	Horizontal	354	1.97	-
2457MHz	Pass	AV	2.4588G	105.33	Inf	-Inf	32.38	3	Vertical	153	1.25	-
2457MHz	Pass	AV	2.4838G	52.59	54.00	-1.41	32.48	3	Vertical	153	1.25	-
2457MHz	Pass	PK	2.4588G	115.42	Inf	-Inf	32.38	3	Vertical	153	1.25	-



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

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	2.4846G	68.31	74.00	-5.69	32.48	3	Vertical	153	1.25	-
2457MHz	Pass	AV	2.4604G	106.09	Inf	-Inf	32.38	3	Horizontal	225	2.31	-
2457MHz	Pass	AV	2.4848G	53.39	54.00	-0.61	32.48	3	Horizontal	225	2.31	-
2457MHz	Pass	PK	2.4602G	116.42	Inf	-Inf	32.38	3	Horizontal	225	2.31	-
2457MHz	Pass	PK	2.4846G	69.95	74.00	-4.05	32.48	3	Horizontal	225	2.31	-
2462MHz	Pass	AV	2.4636G	103.83	Inf	-Inf	32.39	3	Vertical	158	1.24	-
2462MHz	Pass	AV	2.4835G	52.25	54.00	-1.75	32.48	3	Vertical	158	1.24	-
2462MHz	Pass	PK	2.4638G	114.14	Inf	-Inf	32.39	3	Vertical	158	1.24	-
2462MHz	Pass	PK	2.4835G	68.76	74.00	-5.24	32.48	3	Vertical	158	1.24	-
2462MHz	Pass	AV	2.4652G	105.09	Inf	-Inf	32.41	3	Horizontal	227	1.74	-
2462MHz	Pass	AV	2.4844G	52.30	54.00	-1.70	32.48	3	Horizontal	227	1.74	-
2462MHz	Pass	PK	2.4648G	115.31	Inf	-Inf	32.40	3	Horizontal	227	1.74	-
2462MHz	Pass	PK	2.4838G	67.99	74.00	-6.01	32.48	3	Horizontal	227	1.74	-
2462MHz	Pass	AV	4.92406G	40.02	54.00	-13.98	3.93	3	Vertical	360	2.18	-
2462MHz	Pass	PK	4.92508G	52.67	74.00	-21.33	3.94	3	Vertical	360	2.18	-
2462MHz	Pass	AV	4.924G	41.23	54.00	-12.77	3.93	3	Horizontal	40	2.43	-
2462MHz	Pass	PK	4.9246G	54.40	74.00	-19.60	3.93	3	Horizontal	40	2.43	-
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	49.28	54.00	-4.72	31.91	3	Vertical	243	1.01	-
2412MHz	Pass	AV	2.4174G	100.31	Inf	-Inf	32.02	3	Vertical	243	1.01	-
2412MHz	Pass	PK	2.389G	65.38	74.00	-8.62	31.91	3	Vertical	243	1.01	-
2412MHz	Pass	PK	2.4194G	110.79	Inf	-Inf	32.02	3	Vertical	243	1.01	-
2412MHz	Pass	AV	2.39G	53.09	54.00	-0.91	31.91	3	Horizontal	315	2.13	-
2412MHz	Pass	AV	2.4068G	101.82	Inf	-Inf	31.98	3	Horizontal	315	2.13	-
2412MHz	Pass	PK	2.3888G	68.40	74.00	-5.60	31.91	3	Horizontal	315	2.13	-
2412MHz	Pass	PK	2.4082G	112.81	Inf	-Inf	31.98	3	Horizontal	315	2.13	-
2412MHz	Pass	AV	4.82766G	40.92	54.00	-13.08	3.53	3	Vertical	176	1.75	-
2412MHz	Pass	PK	4.82772G	55.32	74.00	-18.68	3.53	3	Vertical	176	1.75	-
2412MHz	Pass	AV	4.824G	41.67	54.00	-12.33	3.53	3	Horizontal	131	1.90	-
2412MHz	Pass	PK	4.82664G	55.60	74.00	-18.40	3.53	3	Horizontal	131	1.90	-
2417MHz	Pass	AV	2.388G	51.32	54.00	-2.68	32.08	3	Vertical	161	1.42	-
2417MHz	Pass	AV	2.423G	104.80	Inf	-Inf	32.23	3	Vertical	161	1.42	-
2417MHz	Pass	PK	2.3886G	68.27	74.00	-5.73	32.09	3	Vertical	161	1.42	-
2417MHz	Pass	PK	2.4222G	115.46	Inf	-Inf	32.23	3	Vertical	161	1.42	-
2417MHz	Pass	AV	2.3898G	53.94	54.00	-0.06	32.09	3	Horizontal	232	1.50	-
2417MHz	Pass	AV	2.4142G	104.30	Inf	-Inf	32.19	3	Horizontal	232	1.50	-
2417MHz	Pass	PK	2.3896G	69.42	74.00	-4.58	32.09	3	Horizontal	232	1.50	-
2417MHz	Pass	PK	2.413G	114.52	Inf	-Inf	32.19	3	Horizontal	232	1.50	-
2437MHz	Pass	AV	2.3898G	51.05	54.00	-2.95	31.91	3	Vertical	243	1.15	-
2437MHz	Pass	AV	2.4422G	104.25	Inf	-Inf	32.12	3	Vertical	243	1.15	-
2437MHz	Pass	AV	2.4846G	51.71	54.00	-2.29	32.29	3	Vertical	243	1.15	-
2437MHz	Pass	PK	2.339G	69.10	74.00	-4.90	31.71	3	Vertical	243	1.15	-
2437MHz	Pass	PK	2.4418G	115.13	Inf	-Inf	32.12	3	Vertical	243	1.15	-
2437MHz	Pass	PK	2.4854G	68.44	74.00	-5.56	32.29	3	Vertical	243	1.15	-
2437MHz	Pass	AV	2.3874G	52.62	54.00	-1.38	31.90	3	Horizontal	315	2.52	-
2437MHz	Pass	AV	2.4318G	106.65	Inf	-Inf	32.08	3	Horizontal	315	2.52	-
2437MHz	Pass	AV	2.4962G	51.61	54.00	-2.39	32.33	3	Horizontal	315	2.52	-
2437MHz	Pass	PK	2.339G	70.09	74.00	-3.91	31.71	3	Horizontal	315	2.52	-
2437MHz	Pass	PK	2.4314G	117.33	Inf	-Inf	32.08	3	Horizontal	315	2.52	-



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

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	2.4978G	66.76	74.00	-7.24	32.33	3	Horizontal	315	2.52	-
2437MHz	Pass	AV	4.86692G	46.09	54.00	-7.91	3.62	3	Vertical	173	1.83	-
2437MHz	Pass	PK	4.87322G	62.93	74.00	-11.07	3.64	3	Vertical	173	1.83	-
2437MHz	Pass	AV	4.87286G	47.37	54.00	-6.63	3.64	3	Horizontal	158	1.49	-
2437MHz	Pass	PK	4.87304G	61.96	74.00	-12.04	3.64	3	Horizontal	158	1.49	-
2457MHz	Pass	AV	2.4638G	105.04	Inf	-Inf	32.39	3	Vertical	156	1.24	-
2457MHz	Pass	AV	2.4835G	53.36	54.00	-0.64	32.48	3	Vertical	156	1.24	-
2457MHz	Pass	PK	2.4642G	116.33	Inf	-Inf	32.40	3	Vertical	156	1.24	-
2457MHz	Pass	PK	2.4856G	69.59	74.00	-4.41	32.49	3	Vertical	156	1.24	-
2457MHz	Pass	AV	2.4516G	105.97	Inf	-Inf	32.34	3	Horizontal	222	1.82	-
2457MHz	Pass	AV	2.4862G	52.28	54.00	-1.72	32.49	3	Horizontal	222	1.82	-
2457MHz	Pass	PK	2.4514G	116.76	Inf	-Inf	32.34	3	Horizontal	222	1.82	-
2457MHz	Pass	PK	2.4856G	69.66	74.00	-4.34	32.49	3	Horizontal	222	1.82	-
2462MHz	Pass	AV	2.4674G	99.64	Inf	-Inf	32.22	3	Vertical	238	1.05	-
2462MHz	Pass	AV	2.4835G	53.75	54.00	-0.25	32.28	3	Vertical	238	1.05	-
2462MHz	Pass	PK	2.4672G	110.28	Inf	-Inf	32.22	3	Vertical	238	1.05	-
2462MHz	Pass	PK	2.4842G	70.99	74.00	-3.01	32.29	3	Vertical	238	1.05	-
2462MHz	Pass	AV	2.4552G	102.37	Inf	-Inf	32.16	3	Horizontal	320	2.50	-
2462MHz	Pass	AV	2.4896G	49.47	54.00	-4.53	32.30	3	Horizontal	320	2.50	-
2462MHz	Pass	PK	2.4558G	112.90	Inf	-Inf	32.18	3	Horizontal	320	2.50	-
2462MHz	Pass	PK	2.489G	65.03	74.00	-8.97	32.30	3	Horizontal	320	2.50	-
2462MHz	Pass	AV	4.92388G	41.39	54.00	-12.61	3.75	3	Vertical	185	1.66	-
2462MHz	Pass	PK	4.9234G	54.07	74.00	-19.93	3.75	3	Vertical	185	1.66	-
2462MHz	Pass	AV	4.92406G	42.46	54.00	-11.54	3.75	3	Horizontal	161	1.56	-
2462MHz	Pass	PK	4.9219G	55.63	74.00	-18.37	3.75	3	Horizontal	161	1.56	-
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3896G	52.19	54.00	-1.81	31.91	3	Vertical	7	1.48	-
2422MHz	Pass	AV	2.4292G	95.52	Inf	-Inf	32.06	3	Vertical	7	1.48	-
2422MHz	Pass	AV	2.4835G	46.36	54.00	-7.64	32.28	3	Vertical	7	1.48	-
2422MHz	Pass	PK	2.3888G	68.91	74.00	-5.09	31.91	3	Vertical	7	1.48	-
2422MHz	Pass	PK	2.4324G	105.43	Inf	-Inf	32.08	3	Vertical	7	1.48	-
2422MHz	Pass	PK	2.4884G	57.54	74.00	-16.46	32.30	3	Vertical	7	1.48	-
2422MHz	Pass	AV	2.39G	52.25	54.00	-1.75	31.91	3	Horizontal	320	2.31	-
2422MHz	Pass	AV	2.4164G	99.35	Inf	-Inf	32.02	3	Horizontal	320	2.31	-
2422MHz	Pass	AV	2.4964G	47.02	54.00	-6.98	32.33	3	Horizontal	320	2.31	-
2422MHz	Pass	PK	2.39G	66.63	74.00	-7.37	31.91	3	Horizontal	320	2.31	-
2422MHz	Pass	PK	2.4144G	108.55	Inf	-Inf	32.01	3	Horizontal	320	2.31	-
2422MHz	Pass	PK	2.4912G	58.00	74.00	-16.00	32.32	3	Horizontal	320	2.31	-
2422MHz	Pass	AV	4.84892G	36.94	54.00	-17.06	3.58	3	Vertical	169	2.07	-
2422MHz	Pass	PK	4.85054G	49.32	74.00	-24.68	3.59	3	Vertical	169	2.07	-
2422MHz	Pass	AV	4.84406G	37.72	54.00	-16.28	3.57	3	Horizontal	131	1.94	-
2422MHz	Pass	PK	4.85054G	50.09	74.00	-23.91	3.59	3	Horizontal	131	1.94	-
2427MHz	Pass	AV	2.3894G	52.28	54.00	-1.72	32.09	3	Vertical	164	1.45	-
2427MHz	Pass	AV	2.4318G	100.57	Inf	-Inf	32.27	3	Vertical	164	1.45	-
2427MHz	Pass	AV	2.4918G	47.19	54.00	-6.81	32.52	3	Vertical	164	1.45	-
2427MHz	Pass	PK	2.3898G	66.91	74.00	-7.09	32.09	3	Vertical	164	1.45	-
2427MHz	Pass	PK	2.431G	109.84	Inf	-Inf	32.26	3	Vertical	164	1.45	-
2427MHz	Pass	PK	2.4878G	59.66	74.00	-14.34	32.49	3	Vertical	164	1.45	-
2427MHz	Pass	AV	2.3838G	52.20	54.00	-1.80	32.06	3	Horizontal	232	1.53	-



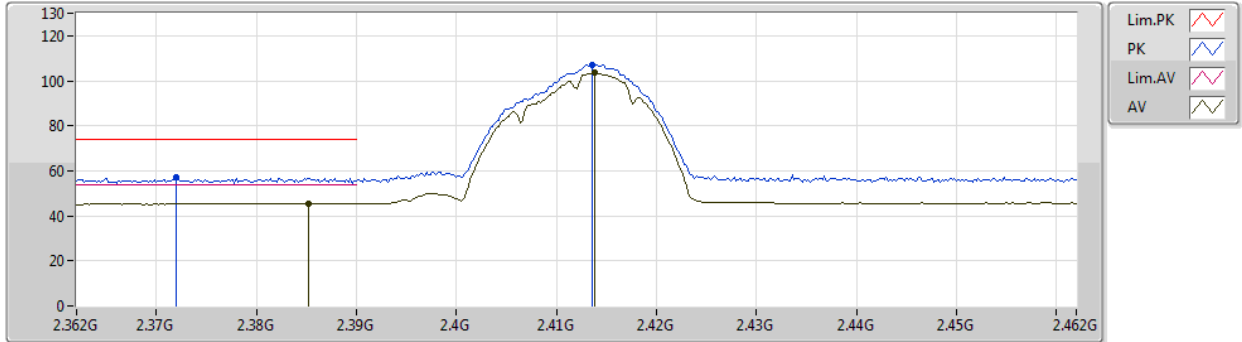
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2427MHz	Pass	AV	2.4234G	101.24	Inf	-Inf	32.23	3	Horizontal	232	1.53	-
2427MHz	Pass	AV	2.4962G	49.21	54.00	-4.79	32.53	3	Horizontal	232	1.53	-
2427MHz	Pass	PK	2.3834G	68.44	74.00	-5.56	32.06	3	Horizontal	232	1.53	-
2427MHz	Pass	PK	2.4242G	110.76	Inf	-Inf	32.23	3	Horizontal	232	1.53	-
2427MHz	Pass	PK	2.4838G	61.12	74.00	-12.88	32.48	3	Horizontal	232	1.53	-
2437MHz	Pass	AV	2.3878G	49.43	54.00	-4.57	31.91	3	Vertical	245	1.15	-
2437MHz	Pass	AV	2.4426G	98.35	Inf	-Inf	32.12	3	Vertical	245	1.15	-
2437MHz	Pass	AV	2.4835G	51.25	54.00	-2.75	32.28	3	Vertical	245	1.15	-
2437MHz	Pass	PK	2.389G	63.30	74.00	-10.70	31.91	3	Vertical	245	1.15	-
2437MHz	Pass	PK	2.4442G	107.63	Inf	-Inf	32.12	3	Vertical	245	1.15	-
2437MHz	Pass	PK	2.4835G	64.82	74.00	-9.18	32.28	3	Vertical	245	1.15	-
2437MHz	Pass	AV	2.3898G	53.25	54.00	-0.75	31.91	3	Horizontal	315	2.51	-
2437MHz	Pass	AV	2.431G	101.02	Inf	-Inf	32.08	3	Horizontal	315	2.51	-
2437MHz	Pass	AV	2.4866G	50.30	54.00	-3.70	32.29	3	Horizontal	315	2.51	-
2437MHz	Pass	PK	2.3898G	66.38	74.00	-7.62	31.91	3	Horizontal	315	2.51	-
2437MHz	Pass	PK	2.4302G	110.24	Inf	-Inf	32.07	3	Horizontal	315	2.51	-
2437MHz	Pass	PK	2.485G	63.33	74.00	-10.67	32.29	3	Horizontal	315	2.51	-
2437MHz	Pass	AV	4.86638G	38.58	54.00	-15.42	3.62	3	Vertical	180	1.79	-
2437MHz	Pass	PK	4.87316G	51.88	74.00	-22.12	3.64	3	Vertical	180	1.79	-
2437MHz	Pass	AV	4.87406G	39.65	54.00	-14.35	3.64	3	Horizontal	168	1.26	-
2437MHz	Pass	PK	4.8707G	52.91	74.00	-21.09	3.63	3	Horizontal	168	1.26	-
2447MHz	Pass	AV	2.389G	47.18	54.00	-6.82	32.09	3	Vertical	153	1.26	-
2447MHz	Pass	AV	2.455G	100.56	Inf	-Inf	32.35	3	Vertical	153	1.26	-
2447MHz	Pass	AV	2.4914G	49.43	54.00	-4.57	32.51	3	Vertical	153	1.26	-
2447MHz	Pass	PK	2.389G	58.49	74.00	-15.51	32.09	3	Vertical	153	1.26	-
2447MHz	Pass	PK	2.4542G	110.03	Inf	-Inf	32.35	3	Vertical	153	1.26	-
2447MHz	Pass	PK	2.4835G	64.55	74.00	-9.45	32.48	3	Vertical	153	1.26	-
2447MHz	Pass	AV	2.385G	47.26	54.00	-6.74	32.07	3	Horizontal	229	1.25	-
2447MHz	Pass	AV	2.4426G	101.50	Inf	-Inf	32.31	3	Horizontal	229	1.25	-
2447MHz	Pass	AV	2.4835G	53.96	54.00	-0.04	32.48	3	Horizontal	229	1.25	-
2447MHz	Pass	PK	2.3842G	60.83	74.00	-13.17	32.06	3	Horizontal	229	1.25	-
2447MHz	Pass	PK	2.4442G	111.39	Inf	-Inf	32.31	3	Horizontal	229	1.25	-
2447MHz	Pass	PK	2.4835G	72.37	74.00	-1.63	32.48	3	Horizontal	229	1.25	-
2452MHz	Pass	AV	2.3872G	45.91	54.00	-8.09	31.90	3	Vertical	236	1.14	-
2452MHz	Pass	AV	2.4388G	96.37	Inf	-Inf	32.11	3	Vertical	236	1.14	-
2452MHz	Pass	AV	2.4835G	49.33	54.00	-4.67	32.28	3	Vertical	236	1.14	-
2452MHz	Pass	PK	2.3784G	57.01	74.00	-16.99	31.86	3	Vertical	236	1.14	-
2452MHz	Pass	PK	2.4384G	105.89	Inf	-Inf	32.10	3	Vertical	236	1.14	-
2452MHz	Pass	PK	2.4835G	63.05	74.00	-10.95	32.28	3	Vertical	236	1.14	-
2452MHz	Pass	AV	2.3896G	46.19	54.00	-7.81	31.91	3	Horizontal	314	2.55	-
2452MHz	Pass	AV	2.4464G	99.47	Inf	-Inf	32.13	3	Horizontal	314	2.55	-
2452MHz	Pass	AV	2.484G	53.46	54.00	-0.54	32.29	3	Horizontal	314	2.55	-
2452MHz	Pass	PK	2.3868G	58.89	74.00	-15.11	31.89	3	Horizontal	314	2.55	-
2452MHz	Pass	PK	2.4472G	108.66	Inf	-Inf	32.14	3	Horizontal	314	2.55	-
2452MHz	Pass	PK	2.4835G	68.72	74.00	-5.28	32.28	3	Horizontal	314	2.55	-
2452MHz	Pass	AV	4.89098G	35.68	54.00	-18.32	3.68	3	Vertical	178	1.49	-
2452MHz	Pass	PK	4.91636G	47.07	74.00	-26.93	3.73	3	Vertical	178	1.49	-
2452MHz	Pass	AV	4.90418G	36.16	54.00	-17.84	3.71	3	Horizontal	159	1.49	-
2452MHz	Pass	PK	4.90466G	48.44	74.00	-25.56	3.71	3	Horizontal	159	1.49	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2412MHz_TX



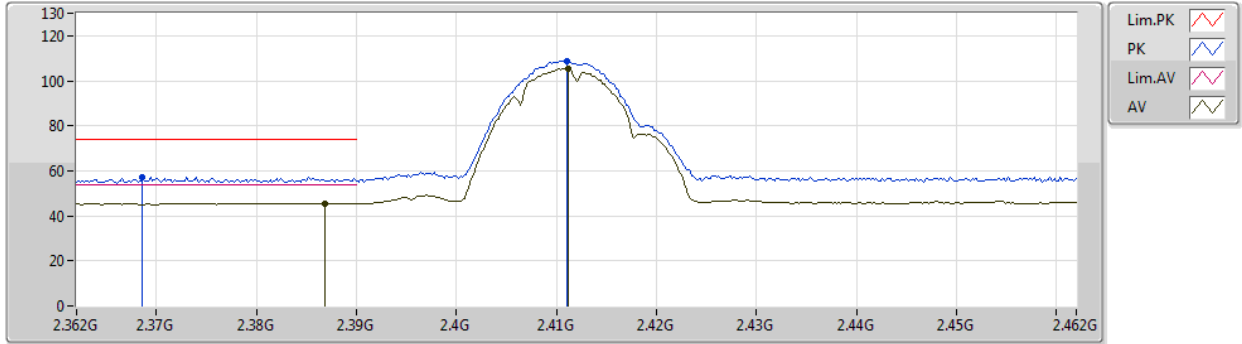
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3852G	45.49	54.00	-8.51	31.89	3	Vertical	173	1.03	-	13.60	27.18	4.71	-
AV	2.4138G	103.48	Inf	-Inf	32.01	3	Vertical	173	1.03	-	71.47	27.26	4.75	-
PK	2.372G	57.26	74.00	-16.74	31.84	3	Vertical	173	1.03	-	25.42	27.14	4.70	-
PK	2.4136G	106.91	Inf	-Inf	32.01	3	Vertical	173	1.03	-	74.90	27.26	4.75	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2412MHz_TX



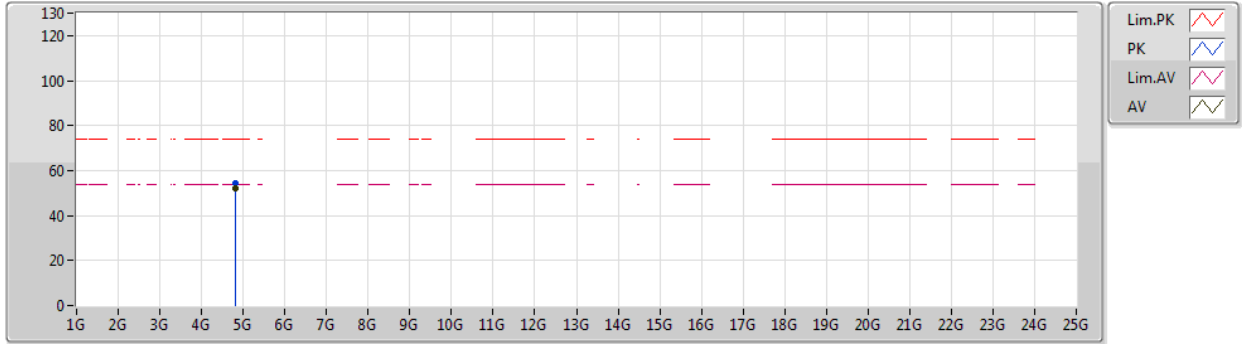
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3868G	45.57	54.00	-8.43	31.89	3	Horizontal	326	1.11	-	13.68	27.18	4.71	-
AV	2.4112G	105.18	Inf	-Inf	31.99	3	Horizontal	326	1.11	-	73.19	27.25	4.74	-
PK	2.3686G	57.25	74.00	-16.75	31.82	3	Horizontal	326	1.11	-	25.43	27.13	4.69	-
PK	2.411G	108.98	Inf	-Inf	31.99	3	Horizontal	326	1.11	-	76.99	27.25	4.74	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2412MHz_TX



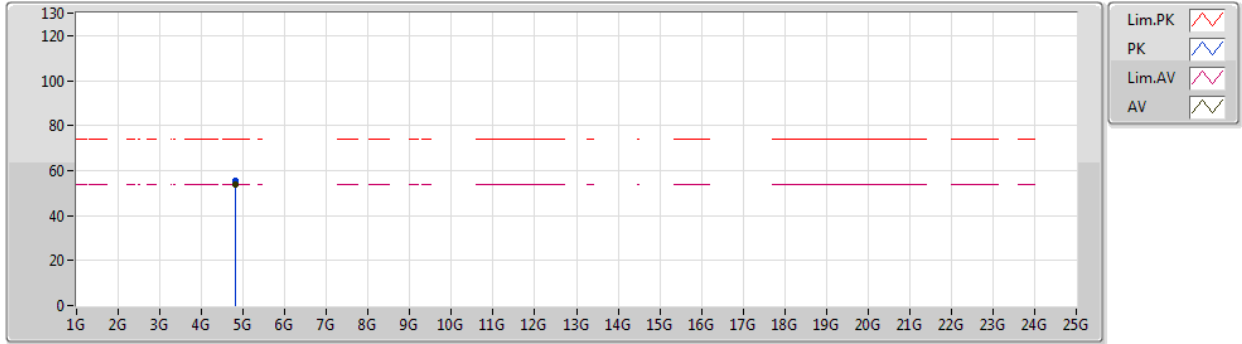
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82396G	52.29	54.00	-1.71	3.53	3	Vertical	327	1.46	-	48.76	31.22	6.79	34.48
PK	4.82397G	54.51	74.00	-19.49	3.53	3	Vertical	327	1.46	-	50.98	31.22	6.79	34.48



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2412MHz_TX



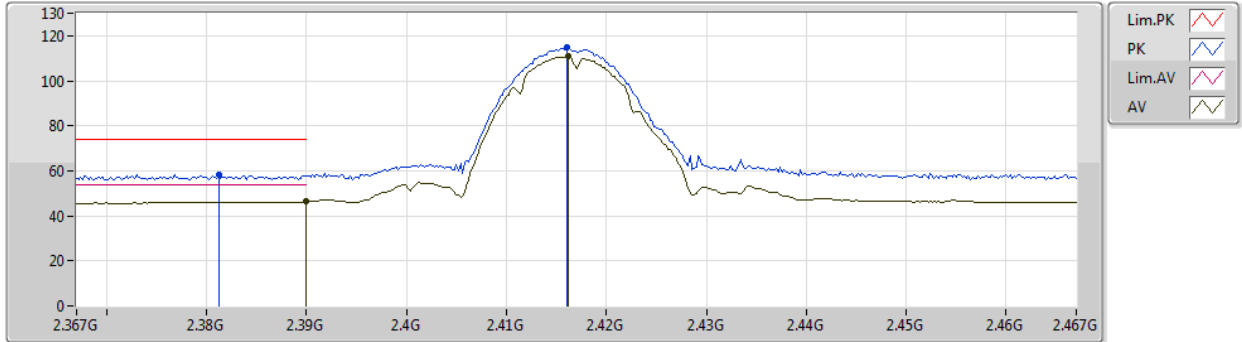
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82401G	53.78	54.00	-0.22	3.53	3	Horizontal	125	1.91	-	50.25	31.22	6.79	34.48
PK	4.82402G	55.60	74.00	-18.40	3.53	3	Horizontal	125	1.91	-	52.07	31.22	6.79	34.48



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2417MHz_TX



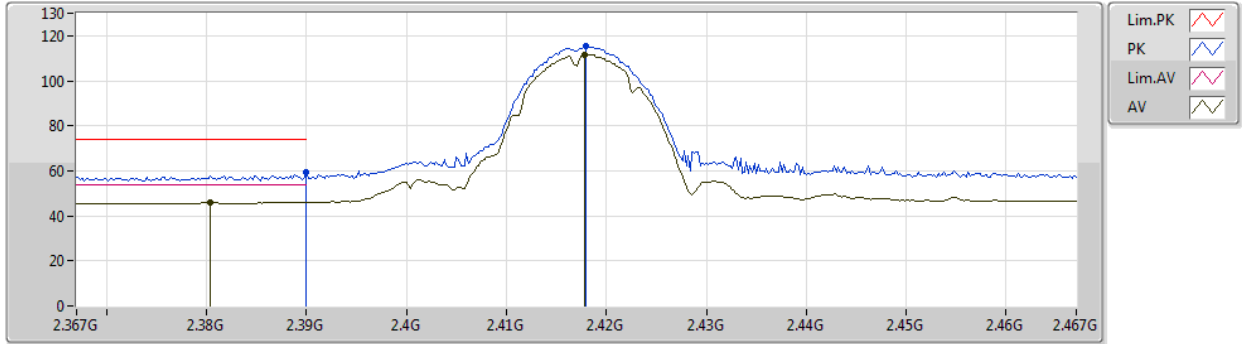
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	46.31	54.00	-7.69	32.09	3	Vertical	157	1.41	-	14.22	27.37	4.72	-
AV	2.4162G	110.85	Inf	-Inf	32.20	3	Vertical	157	1.41	-	78.65	27.45	4.75	-
PK	2.3812G	58.23	74.00	-15.77	32.05	3	Vertical	157	1.41	-	26.18	27.34	4.71	-
PK	2.416G	114.70	Inf	-Inf	32.20	3	Vertical	157	1.41	-	82.50	27.45	4.75	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2417MHz_TX



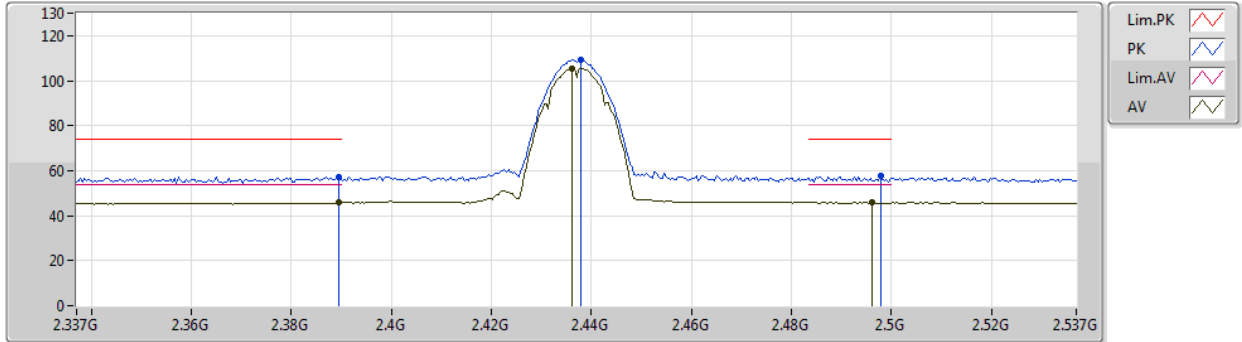
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3804G	45.97	54.00	-8.03	32.05	3	Horizontal	229	2.25	-	13.92	27.34	4.71	-
AV	2.4178G	111.52	Inf	-Inf	32.20	3	Horizontal	229	2.25	-	79.32	27.45	4.75	-
PK	2.39G	59.29	74.00	-14.71	32.09	3	Horizontal	229	2.25	-	27.20	27.37	4.72	-
PK	2.418G	115.57	Inf	-Inf	32.20	3	Horizontal	229	2.25	-	83.37	27.45	4.75	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2437MHz_TX



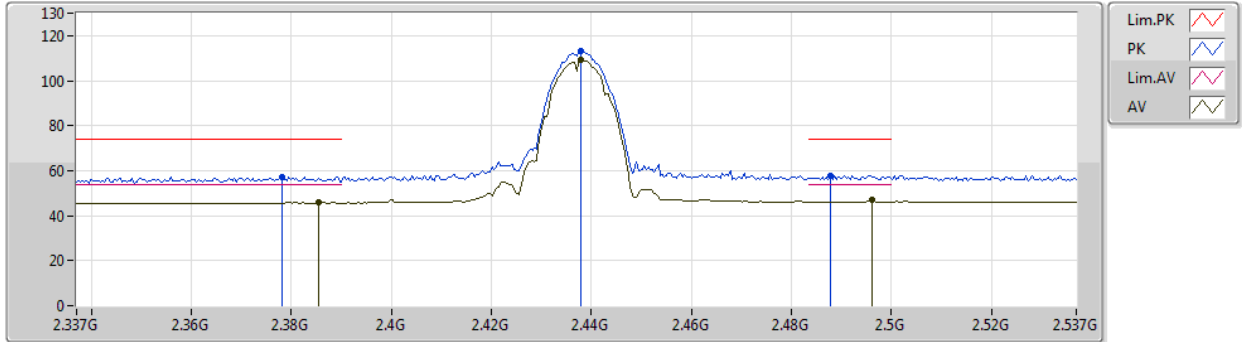
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	45.68	54.00	-8.32	31.91	3	Vertical	147	1.50	-	13.77	27.19	4.72	-
AV	2.4362G	105.57	Inf	-Inf	32.09	3	Vertical	147	1.50	-	73.48	27.32	4.77	-
AV	2.4962G	45.84	54.00	-8.16	32.33	3	Vertical	147	1.50	-	13.51	27.49	4.84	-
PK	2.3894G	57.09	74.00	-16.91	31.91	3	Vertical	147	1.50	-	25.18	27.19	4.72	-
PK	2.4378G	109.44	Inf	-Inf	32.10	3	Vertical	147	1.50	-	77.34	27.33	4.77	-
PK	2.4978G	57.58	74.00	-16.42	32.33	3	Vertical	147	1.50	-	25.25	27.49	4.84	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2437MHz_TX



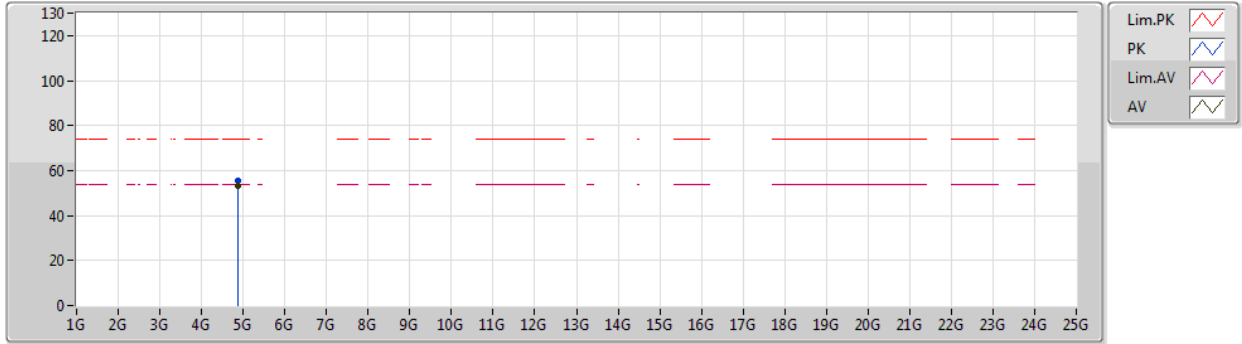
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3854G	45.78	54.00	-8.22	31.89	3	Horizontal	307	2.40	-	13.89	27.18	4.71	-
AV	2.4378G	108.99	Inf	-Inf	32.10	3	Horizontal	307	2.40	-	76.89	27.33	4.77	-
AV	2.4962G	46.95	54.00	-7.05	32.33	3	Horizontal	307	2.40	-	14.62	27.49	4.84	-
PK	2.3782G	57.31	74.00	-16.69	31.86	3	Horizontal	307	2.40	-	25.45	27.16	4.70	-
PK	2.4378G	113.19	Inf	-Inf	32.10	3	Horizontal	307	2.40	-	81.09	27.33	4.77	-
PK	2.4878G	57.84	74.00	-16.16	32.30	3	Horizontal	307	2.40	-	25.54	27.47	4.83	-



802.11b_Nss1,(1Mbps)_2TX

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2437MHz_TX



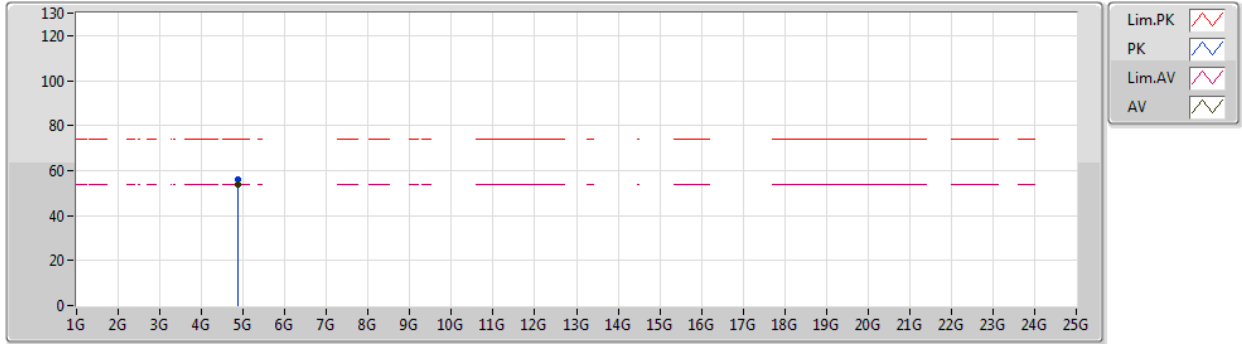
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87397G	53.11	54.00	-0.89	3.64	3	Vertical	332	1.98	-	49.47	31.30	6.81	34.47
PK	4.87398G	55.47	74.00	-18.53	3.64	3	Vertical	332	1.98	-	51.83	31.30	6.81	34.47



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2437MHz_TX



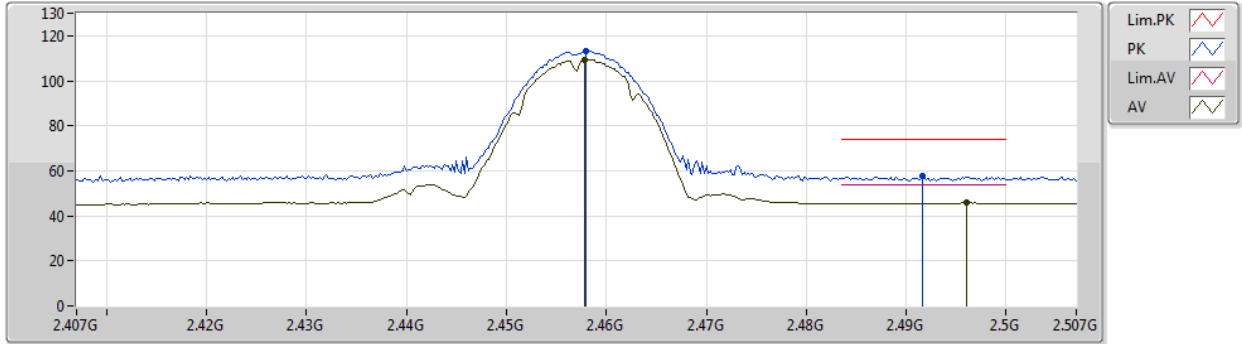
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87398G	53.81	54.00	-0.19	3.64	3	Horizontal	165	1.49	-	50.17	31.30	6.81	34.47
PK	4.87394G	56.03	74.00	-17.97	3.64	3	Horizontal	165	1.49	-	52.39	31.30	6.81	34.47



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2457MHz_TX



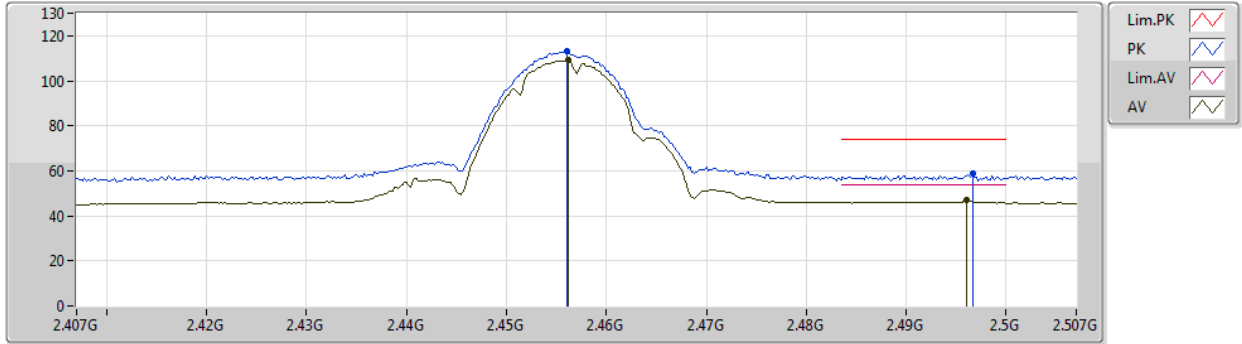
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	109.36	Inf	-Inf	32.37	3	Vertical	153	2.53	-	76.99	27.57	4.80	-
AV	2.496G	45.93	54.00	-8.07	32.53	3	Vertical	153	2.53	-	13.40	27.69	4.84	-
PK	2.458G	113.39	Inf	-Inf	32.37	3	Vertical	153	2.53	-	81.02	27.57	4.80	-
PK	2.4916G	57.44	74.00	-16.56	32.51	3	Vertical	153	2.53	-	24.93	27.67	4.84	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2457MHz_TX



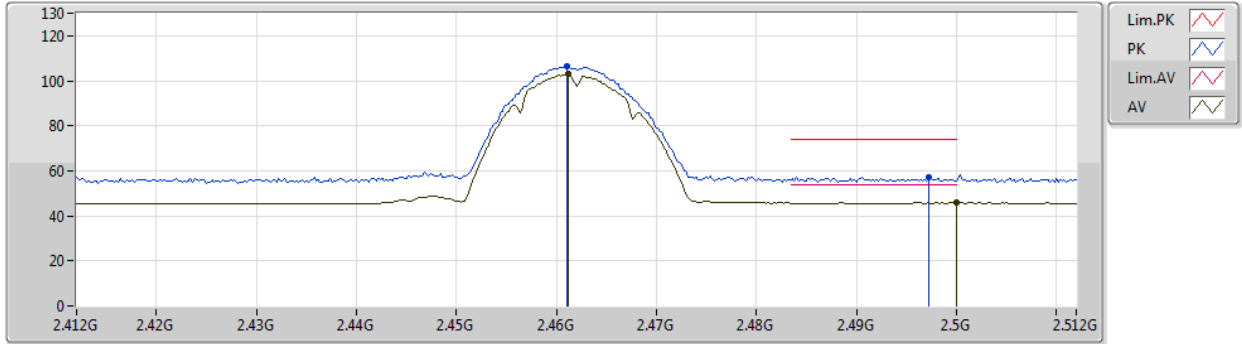
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	109.01	Inf	-Inf	32.37	3	Horizontal	198	1.50	-	76.64	27.57	4.80	-
AV	2.496G	46.87	54.00	-7.13	32.53	3	Horizontal	198	1.50	-	14.34	27.69	4.84	-
PK	2.456G	112.91	Inf	-Inf	32.37	3	Horizontal	198	1.50	-	80.54	27.57	4.80	-
PK	2.4966G	58.81	74.00	-15.19	32.53	3	Horizontal	198	1.50	-	26.28	27.69	4.84	-



802.11b_Nss1,(1Mbps)_2TX

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2462MHz_TX



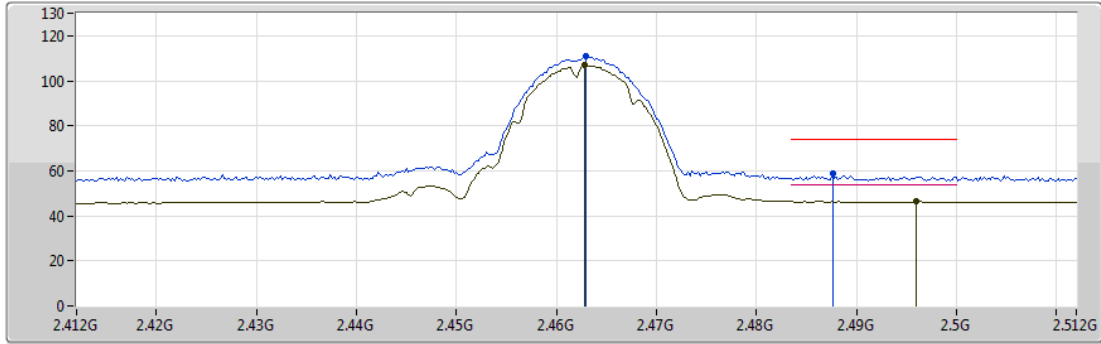
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AV	2.4612G	102.83	Inf	-Inf	32.19	3	Vertical	360	2.32	-	70.64	27.39	4.80	-
AV	2.5G	45.78	54.00	-8.22	32.35	3	Vertical	360	2.32	-	13.43	27.50	4.85	-
PK	2.461G	106.57	Inf	-Inf	32.19	3	Vertical	360	2.32	-	74.38	27.39	4.80	-
PK	2.4972G	56.95	74.00	-17.05	32.33	3	Vertical	360	2.32	-	24.62	27.49	4.84	-



802.11b_Nss1,(1Mbps)_2TX

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2462MHz_TX



Legend for the spectrum plot:

- Lim.PK (Red line)
- PK (Blue line)
- Lim.AV (Pink line)
- AV (Green line)

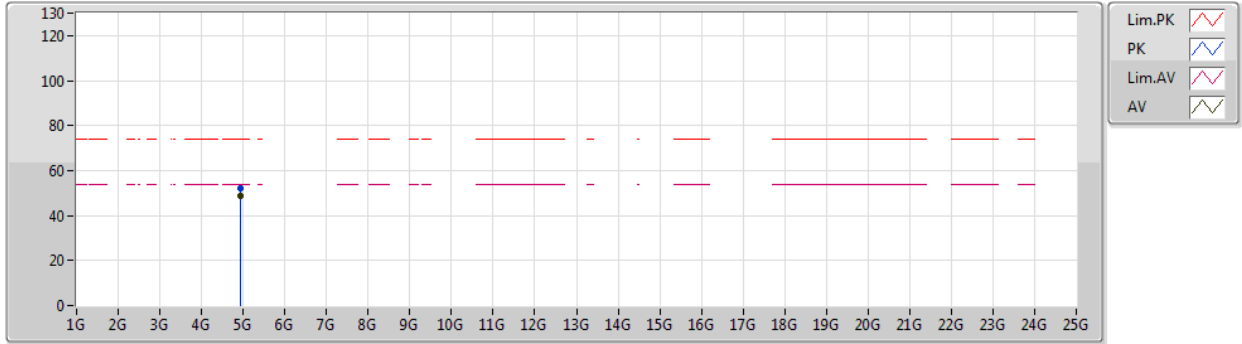
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	106.75	Inf	-Inf	32.20	3	Horizontal	317	2.27	-	74.55	27.40	4.80	-
AV	2.496G	46.56	54.00	-7.44	32.33	3	Horizontal	317	2.27	-	14.23	27.49	4.84	-
PK	2.463G	110.75	Inf	-Inf	32.20	3	Horizontal	317	2.27	-	78.55	27.40	4.80	-
PK	2.4876G	59.08	74.00	-14.92	32.30	3	Horizontal	317	2.27	-	26.78	27.47	4.83	-



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2462MHz_TX



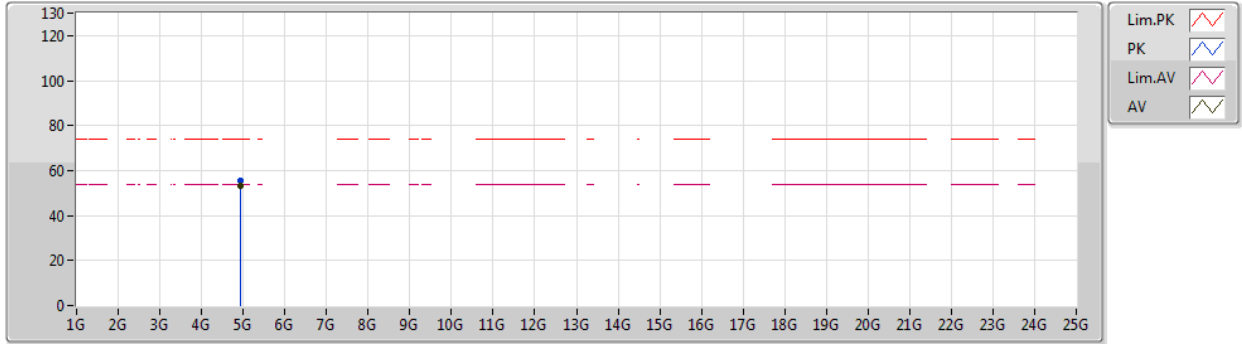
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92397G	48.71	54.00	-5.29	3.75	3	Vertical	209	1.52	-	44.96	31.38	6.82	34.45
PK	4.92405G	52.04	74.00	-21.96	3.75	3	Vertical	209	1.52	-	48.29	31.38	6.82	34.45



802.11b_Nss1,(1Mbps)_2TX

02/09/2019

2462MHz_TX



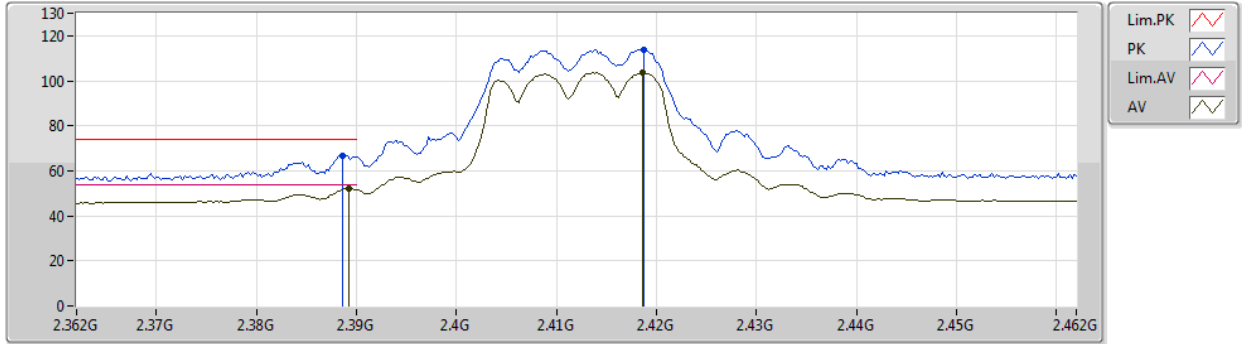
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AV	4.924G	53.29	54.00	-0.71	3.75	3	Horizontal	112	2.19	-	49.54	31.38	6.82	34.45
PK	4.92398G	55.35	74.00	-18.65	3.75	3	Horizontal	112	2.19	-	51.60	31.38	6.82	34.45



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2412MHz_TX



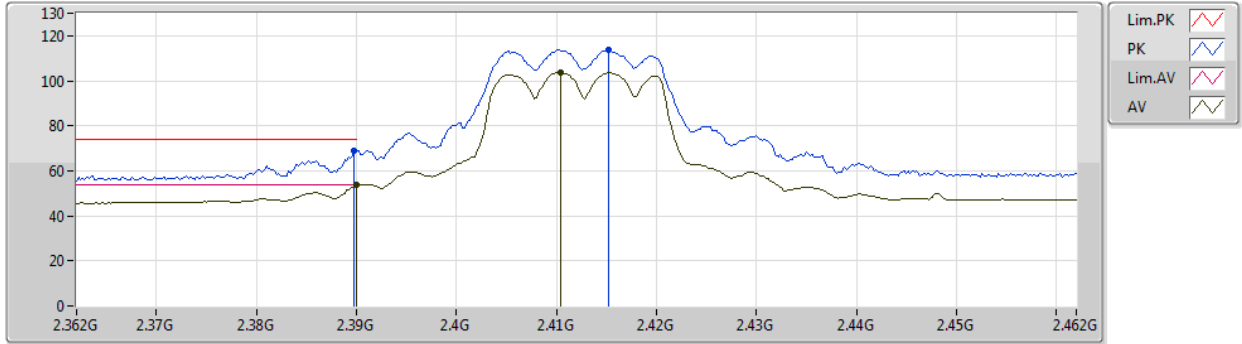
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	52.34	54.00	-1.66	32.09	3	Vertical	156	1.42	-	20.25	27.37	4.72	-
AV	2.4186G	103.58	Inf	-Inf	32.21	3	Vertical	156	1.42	-	71.37	27.46	4.75	-
PK	2.3886G	66.73	74.00	-7.27	32.09	3	Vertical	156	1.42	-	34.64	27.37	4.72	-
PK	2.4188G	113.85	Inf	-Inf	32.21	3	Vertical	156	1.42	-	81.64	27.46	4.75	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2412MHz_TX



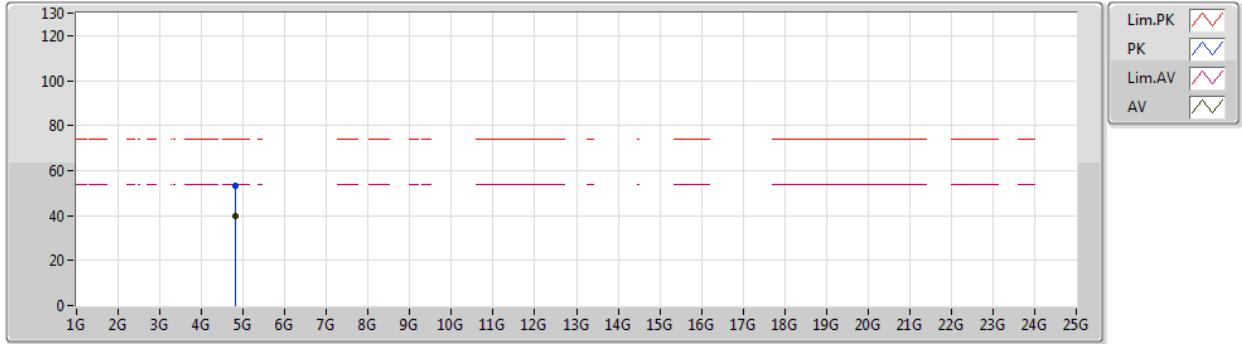
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.64	54.00	-0.36	32.09	3	Horizontal	229	2.33	-	21.55	27.37	4.72	-
AV	2.4104G	103.61	Inf	-Inf	32.17	3	Horizontal	229	2.33	-	71.44	27.43	4.74	-
PK	2.3898G	68.94	74.00	-5.06	32.09	3	Horizontal	229	2.33	-	36.85	27.37	4.72	-
PK	2.4152G	113.74	Inf	-Inf	32.20	3	Horizontal	229	2.33	-	81.54	27.45	4.75	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2412MHz_TX



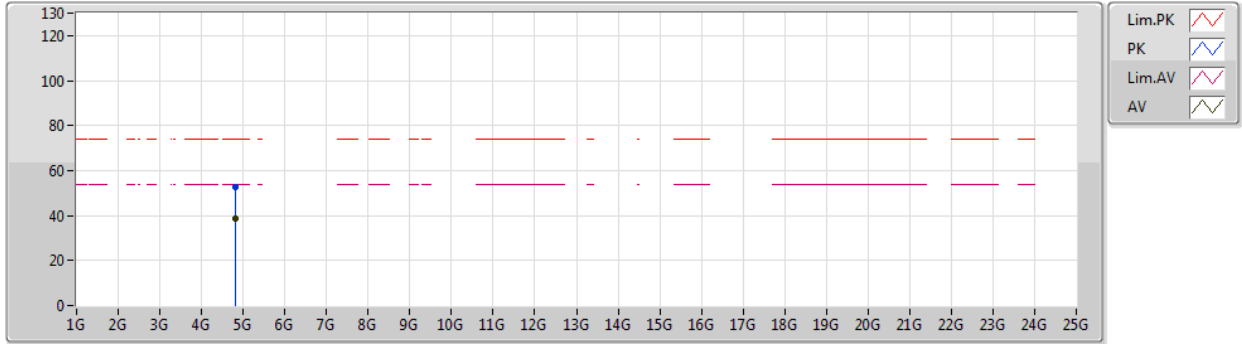
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AV	4.8258G	39.67	54.00	-14.33	3.70	3	Vertical	154	1.45	-	35.97	31.39	6.79	34.48
PK	4.82516G	53.28	74.00	-20.72	3.70	3	Vertical	154	1.45	-	49.58	31.39	6.79	34.48



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2412MHz_TX



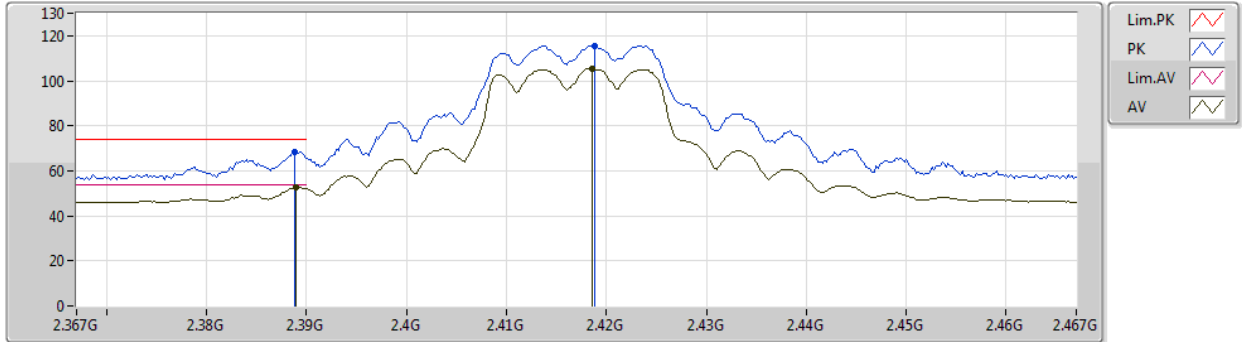
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AV	4.82556G	38.86	54.00	-15.14	3.70	3	Horizontal	213	1.50	-	35.16	31.39	6.79	34.48
PK	4.82512G	52.48	74.00	-21.52	3.70	3	Horizontal	213	1.50	-	48.78	31.39	6.79	34.48



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2417MHz_TX



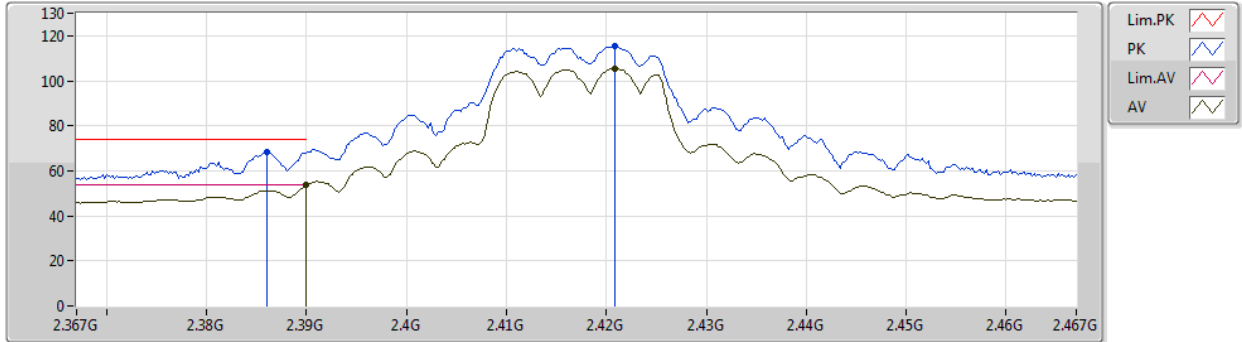
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	52.80	54.00	-1.20	32.09	3	Vertical	161	1.43	-	20.71	27.37	4.72	-
AV	2.4186G	105.48	Inf	-Inf	32.21	3	Vertical	161	1.43	-	73.27	27.46	4.75	-
PK	2.3888G	68.55	74.00	-5.45	32.09	3	Vertical	161	1.43	-	36.46	27.37	4.72	-
PK	2.4188G	115.60	Inf	-Inf	32.21	3	Vertical	161	1.43	-	83.39	27.46	4.75	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2417MHz_TX



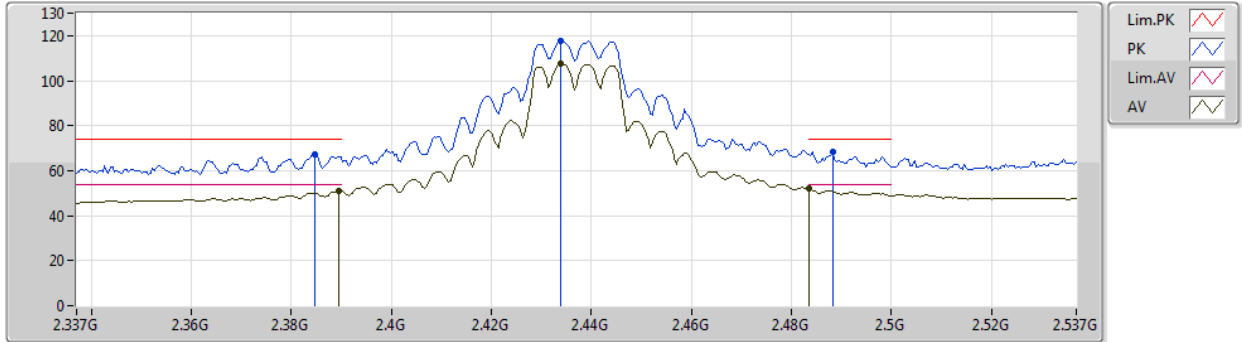
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AV	2.39G	53.72	54.00	-0.28	32.09	3	Horizontal	233	1.53	-	21.63	27.37	4.72	-
AV	2.4208G	105.38	Inf	-Inf	32.21	3	Horizontal	233	1.53	-	73.17	27.46	4.75	-
PK	2.386G	68.09	74.00	-5.91	32.07	3	Horizontal	233	1.53	-	36.02	27.36	4.71	-
PK	2.4208G	115.23	Inf	-Inf	32.21	3	Horizontal	233	1.53	-	83.02	27.46	4.75	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2437MHz_TX



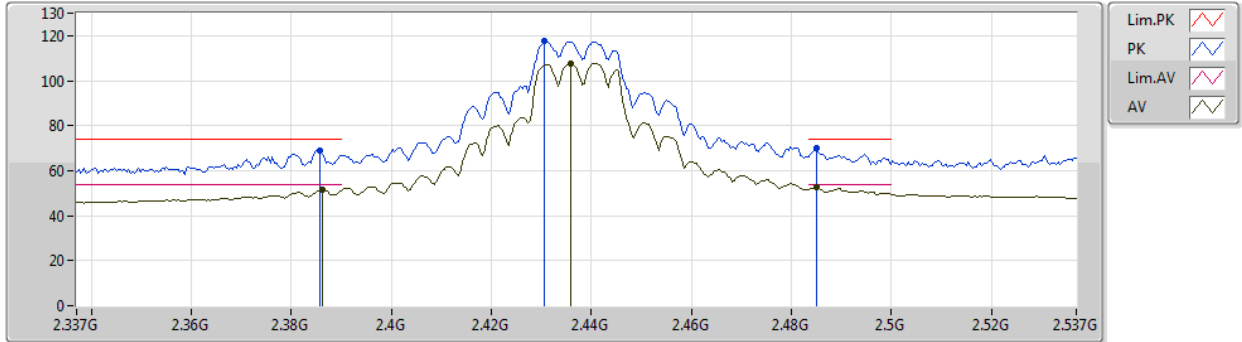
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	51.09	54.00	-2.91	32.09	3	Vertical	158	1.05	-	19.00	27.37	4.72	-
AV	2.4338G	107.37	Inf	-Inf	32.27	3	Vertical	158	1.05	-	75.10	27.50	4.77	-
AV	2.4835G	51.96	54.00	-2.04	32.48	3	Vertical	158	1.05	-	19.48	27.65	4.83	-
PK	2.3846G	67.51	74.00	-6.49	32.06	3	Vertical	158	1.05	-	35.45	27.35	4.71	-
PK	2.4338G	117.64	Inf	-Inf	32.27	3	Vertical	158	1.05	-	85.37	27.50	4.77	-
PK	2.4882G	68.29	74.00	-5.71	32.49	3	Vertical	158	1.05	-	35.80	27.66	4.83	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2437MHz_TX



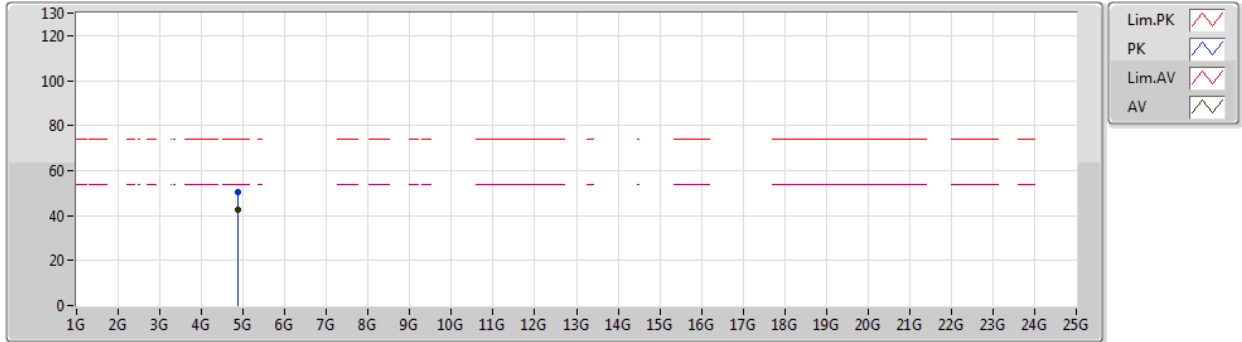
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AV	2.3862G	51.30	54.00	-2.70	32.07	3	Horizontal	230	1.50	-	19.23	27.36	4.71	-
AV	2.4358G	107.65	Inf	-Inf	32.28	3	Horizontal	230	1.50	-	75.37	27.51	4.77	-
AV	2.485G	52.45	54.00	-1.55	32.48	3	Horizontal	230	1.50	-	19.97	27.65	4.83	-
PK	2.3858G	69.07	74.00	-4.93	32.07	3	Horizontal	230	1.50	-	37.00	27.36	4.71	-
PK	2.4306G	117.78	Inf	-Inf	32.26	3	Horizontal	230	1.50	-	85.52	27.49	4.77	-
PK	2.485G	69.95	74.00	-4.05	32.48	3	Horizontal	230	1.50	-	37.47	27.65	4.83	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2437MHz_TX



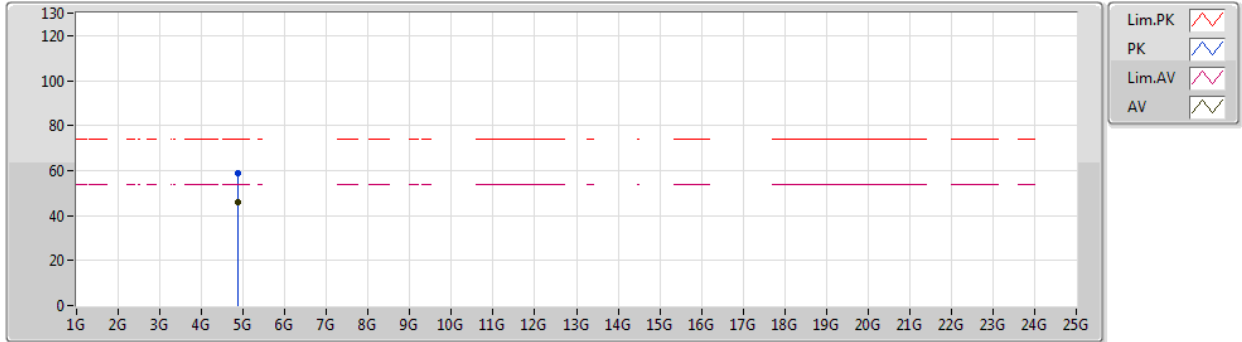
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87616G	42.75	54.00	-11.25	3.82	3	Vertical	231	1.50	-	38.93	31.48	6.81	34.47
PK	4.87436G	50.66	74.00	-23.34	3.81	3	Vertical	231	1.50	-	46.85	31.47	6.81	34.47



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2437MHz_TX



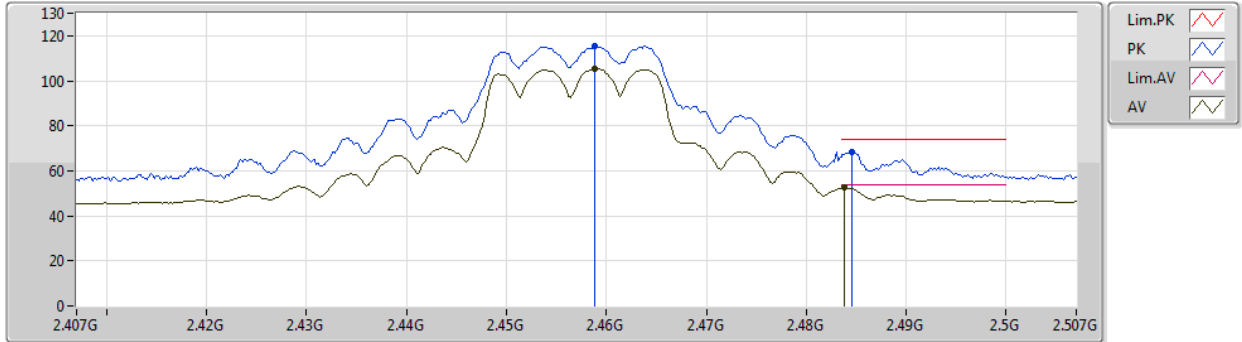
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AV	4.87412G	46.21	54.00	-7.79	3.81	3	Horizontal	354	1.97	-	42.40	31.47	6.81	34.47
PK	4.87448G	58.62	74.00	-15.38	3.81	3	Horizontal	354	1.97	-	54.81	31.47	6.81	34.47



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2457MHz_TX



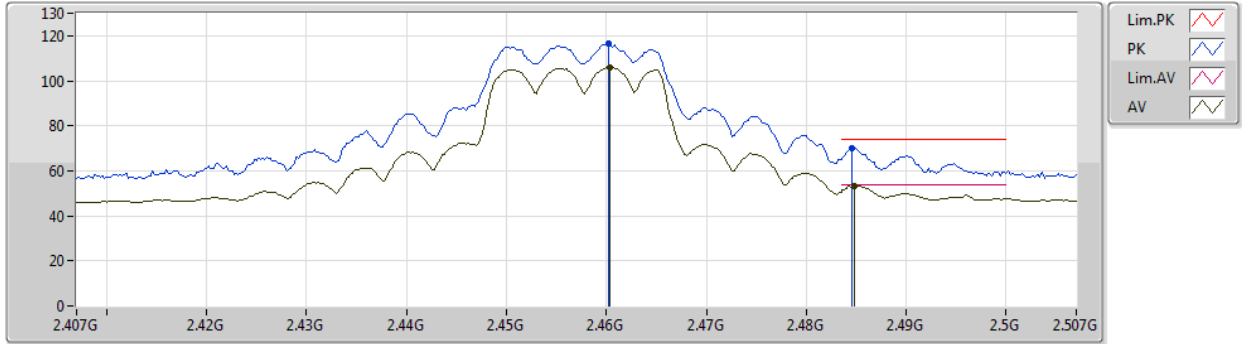
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4588G	105.33	Inf	-Inf	32.38	3	Vertical	153	1.25	-	72.95	27.58	4.80	-
AV	2.4838G	52.59	54.00	-1.41	32.48	3	Vertical	153	1.25	-	20.11	27.65	4.83	-
PK	2.4588G	115.42	Inf	-Inf	32.38	3	Vertical	153	1.25	-	83.04	27.58	4.80	-
PK	2.4846G	68.31	74.00	-5.69	32.48	3	Vertical	153	1.25	-	35.83	27.65	4.83	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2457MHz_TX



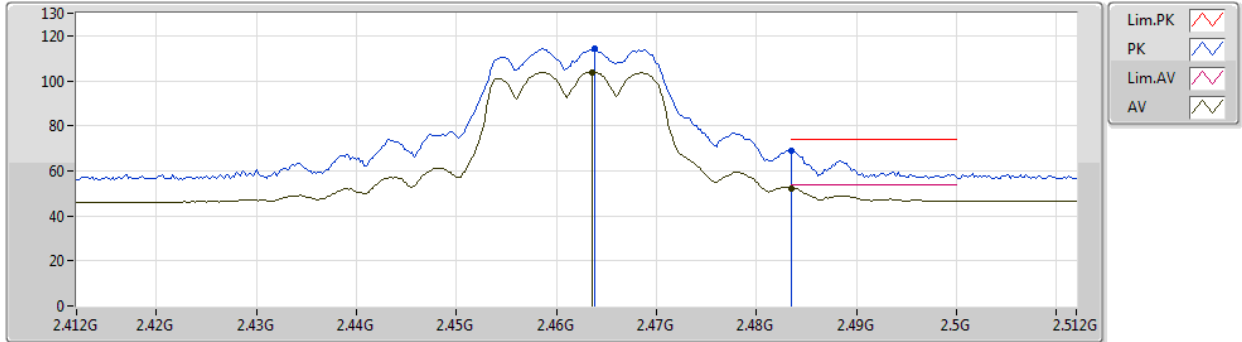
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AV	2.4604G	106.09	Inf	-Inf	32.38	3	Horizontal	225	2.31	-	73.71	27.58	4.80	-
AV	2.4848G	53.39	54.00	-0.61	32.48	3	Horizontal	225	2.31	-	20.91	27.65	4.83	-
PK	2.4602G	116.42	Inf	-Inf	32.38	3	Horizontal	225	2.31	-	84.04	27.58	4.80	-
PK	2.4846G	69.95	74.00	-4.05	32.48	3	Horizontal	225	2.31	-	37.47	27.65	4.83	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2462MHz_TX



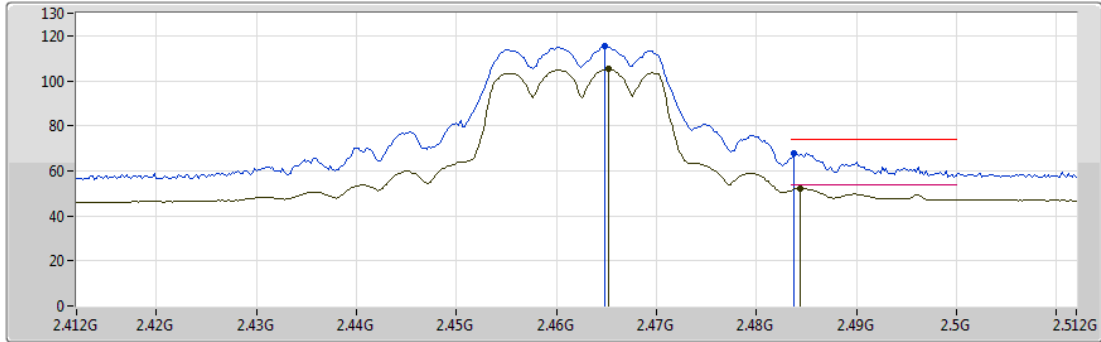
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4636G	103.83	Inf	-Inf	32.39	3	Vertical	158	1.24	-	71.44	27.59	4.80	-
AV	2.4835G	52.25	54.00	-1.75	32.48	3	Vertical	158	1.24	-	19.77	27.65	4.83	-
PK	2.4638G	114.14	Inf	-Inf	32.39	3	Vertical	158	1.24	-	81.75	27.59	4.80	-
PK	2.4835G	68.76	74.00	-5.24	32.48	3	Vertical	158	1.24	-	36.28	27.65	4.83	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2462MHz_TX



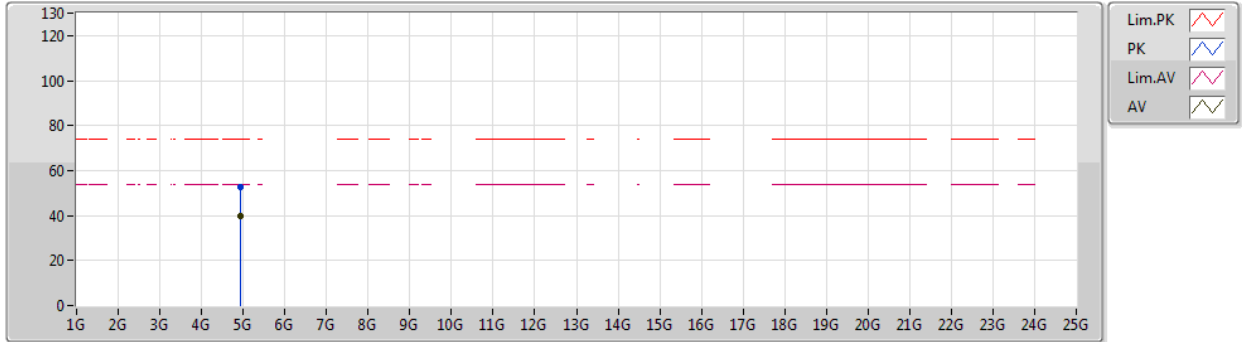
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AV	2.4652G	105.09	Inf	-Inf	32.41	3	Horizontal	227	1.74	-	72.68	27.60	4.81	-
AV	2.4844G	52.30	54.00	-1.70	32.48	3	Horizontal	227	1.74	-	19.82	27.65	4.83	-
PK	2.4648G	115.31	Inf	-Inf	32.40	3	Horizontal	227	1.74	-	82.91	27.59	4.81	-
PK	2.4838G	67.99	74.00	-6.01	32.48	3	Horizontal	227	1.74	-	35.51	27.65	4.83	-



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2462MHz_TX



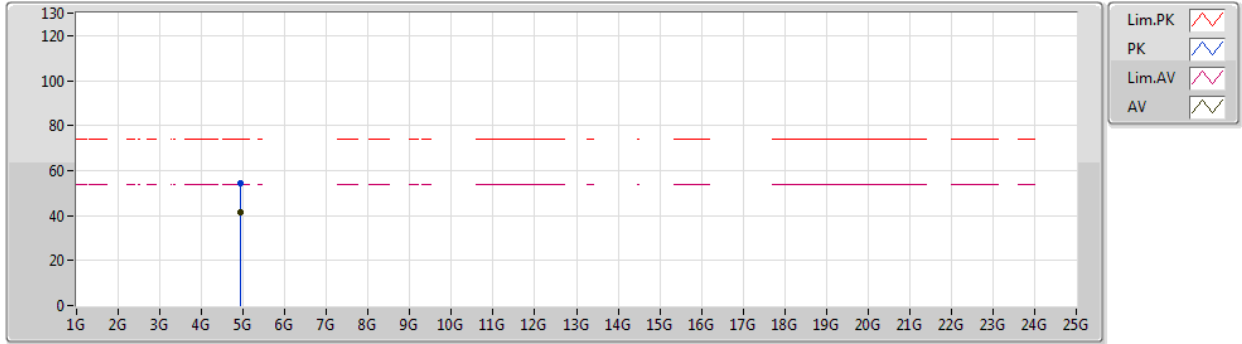
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AV	4.92406G	40.02	54.00	-13.98	3.93	3	Vertical	360	2.18	-	36.09	31.56	6.82	34.45
PK	4.92508G	52.67	74.00	-21.33	3.94	3	Vertical	360	2.18	-	48.73	31.57	6.82	34.45



802.11g_Nss1,(6Mbps)_2TX

02/09/2019

2462MHz_TX



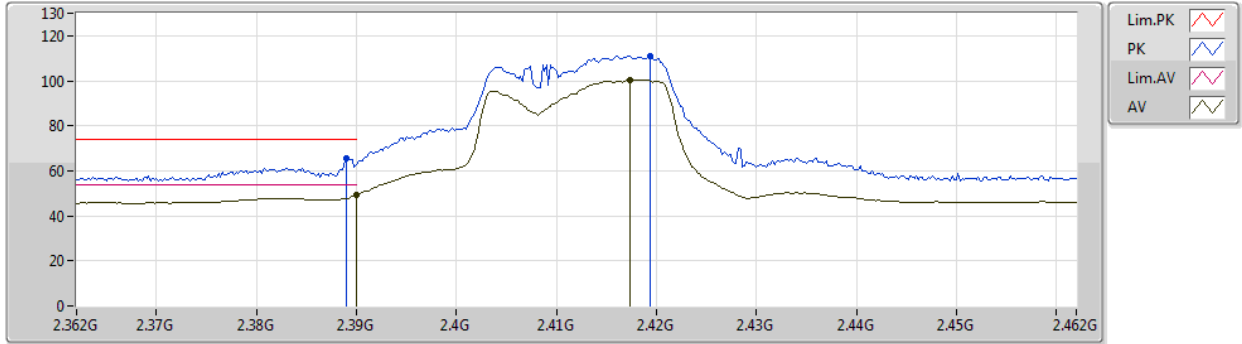
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AV	4.924G	41.23	54.00	-12.77	3.93	3	Horizontal	40	2.43	-	37.30	31.56	6.82	34.45
PK	4.9246G	54.40	74.00	-19.60	3.93	3	Horizontal	40	2.43	-	50.47	31.56	6.82	34.45



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2412MHz_TX



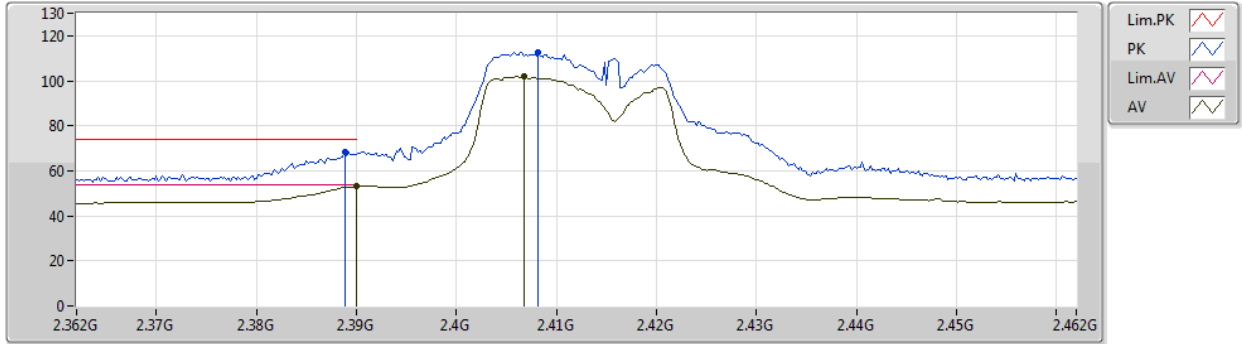
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.28	54.00	-4.72	31.91	3	Vertical	243	1.01	-	17.37	27.19	4.72	-
AV	2.4174G	100.31	Inf	-Inf	32.02	3	Vertical	243	1.01	-	68.29	27.27	4.75	-
PK	2.389G	65.38	74.00	-8.62	31.91	3	Vertical	243	1.01	-	33.47	27.19	4.72	-
PK	2.4194G	110.79	Inf	-Inf	32.02	3	Vertical	243	1.01	-	78.77	27.27	4.75	-



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2412MHz_TX

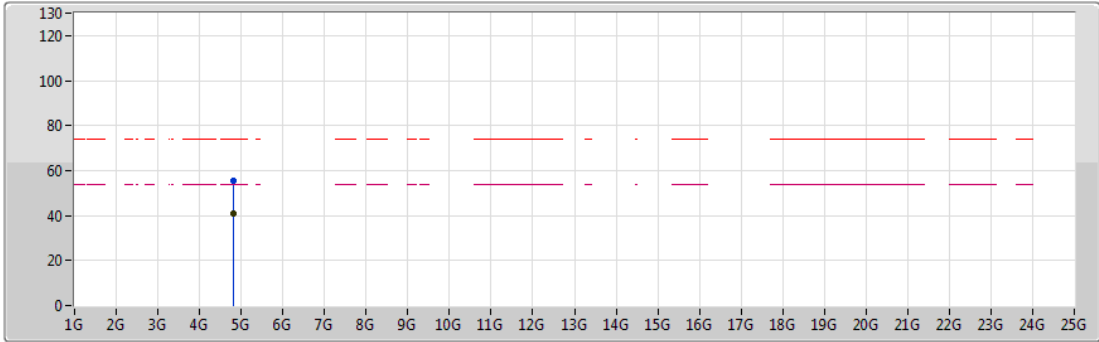


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.09	54.00	-0.91	31.91	3	Horizontal	315	2.13	-	21.18	27.19	4.72	-
AV	2.4068G	101.82	Inf	-Inf	31.98	3	Horizontal	315	2.13	-	69.84	27.24	4.74	-
PK	2.3888G	68.40	74.00	-5.60	31.91	3	Horizontal	315	2.13	-	36.49	27.19	4.72	-
PK	2.4082G	112.81	Inf	-Inf	31.98	3	Horizontal	315	2.13	-	80.83	27.24	4.74	-



VHT20_Nss1,(MCS0)_2TX
2412MHz_TX

02/09/2019



Legend for plot lines:

- Lim.PK (Red dashed line)
- PK (Blue solid line)
- Lim.AV (Magenta dashed line)
- AV (Green solid line)

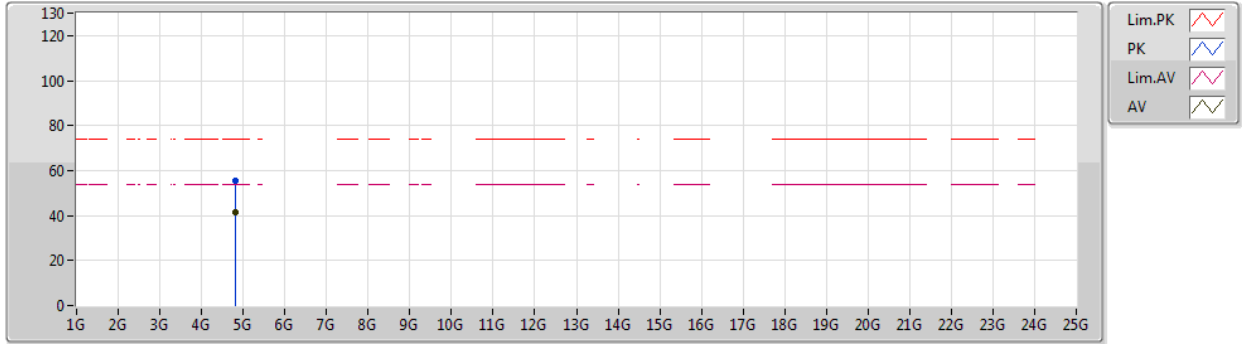
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82766G	40.92	54.00	-13.08	3.53	3	Vertical	176	1.75	-	37.39	31.22	6.79	34.48
PK	4.82772G	55.32	74.00	-18.68	3.53	3	Vertical	176	1.75	-	51.79	31.22	6.79	34.48



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2412MHz_TX



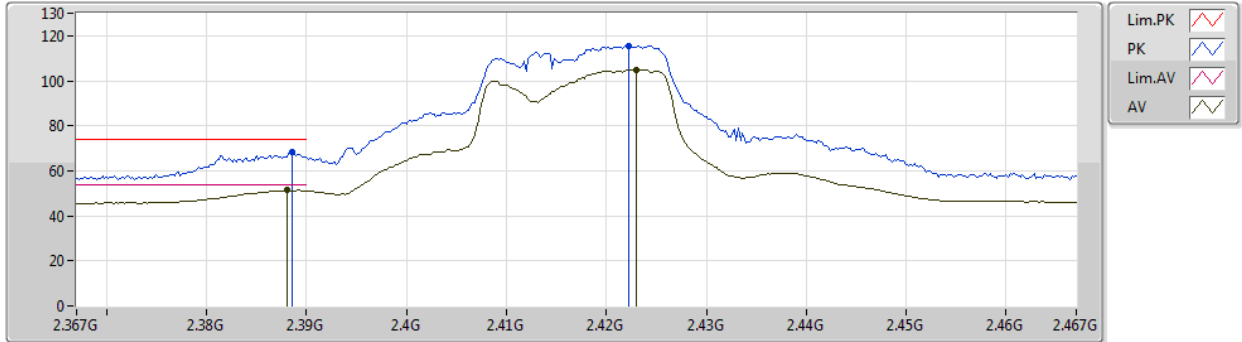
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	41.67	54.00	-12.33	3.53	3	Horizontal	131	1.90	-	38.14	31.22	6.79	34.48
PK	4.82664G	55.60	74.00	-18.40	3.53	3	Horizontal	131	1.90	-	52.07	31.22	6.79	34.48



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2417MHz_TX



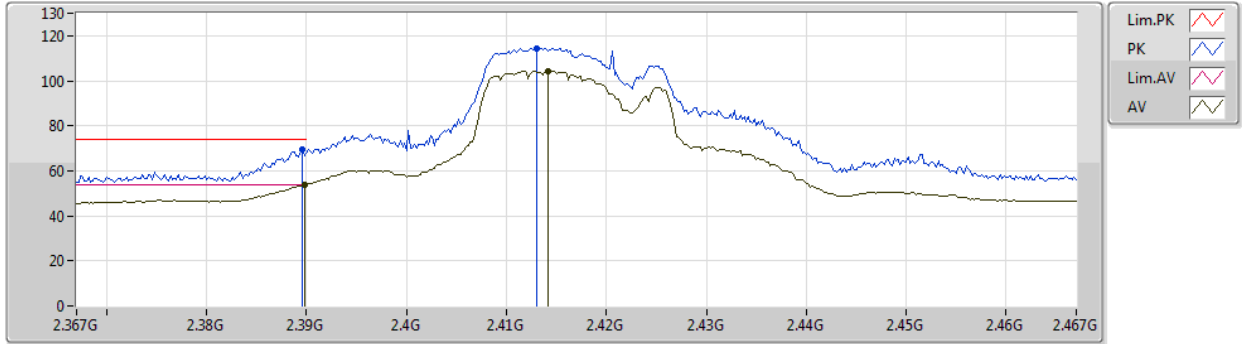
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	51.32	54.00	-2.68	32.08	3	Vertical	161	1.42	-	19.24	27.36	4.72	-
AV	2.423G	104.80	Inf	-Inf	32.23	3	Vertical	161	1.42	-	72.57	27.47	4.76	-
PK	2.3886G	68.27	74.00	-5.73	32.09	3	Vertical	161	1.42	-	36.18	27.37	4.72	-
PK	2.4222G	115.46	Inf	-Inf	32.23	3	Vertical	161	1.42	-	83.23	27.47	4.76	-



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2417MHz_TX



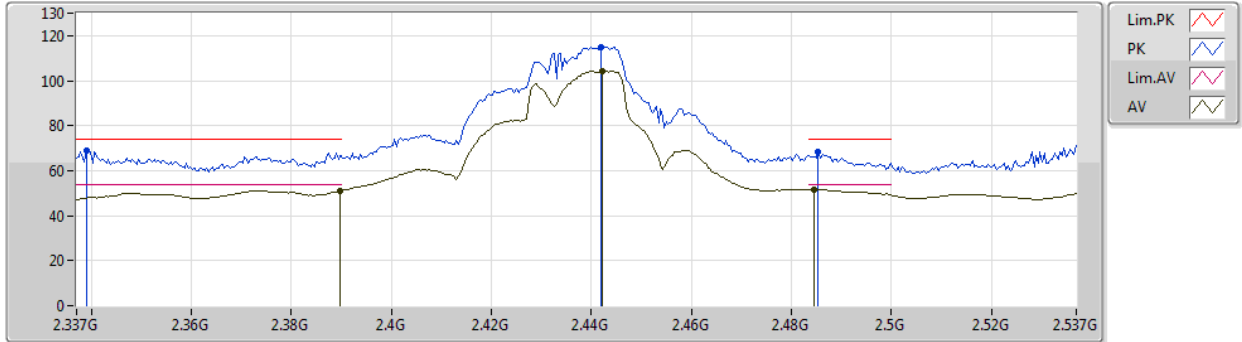
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AV	2.3898G	53.94	54.00	-0.06	32.09	3	Horizontal	232	1.50	-	21.85	27.37	4.72	-
AV	2.4142G	104.30	Inf	-Inf	32.19	3	Horizontal	232	1.50	-	72.11	27.44	4.75	-
PK	2.3896G	69.42	74.00	-4.58	32.09	3	Horizontal	232	1.50	-	37.33	27.37	4.72	-
PK	2.413G	114.52	Inf	-Inf	32.19	3	Horizontal	232	1.50	-	82.33	27.44	4.75	-



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2437MHz_TX



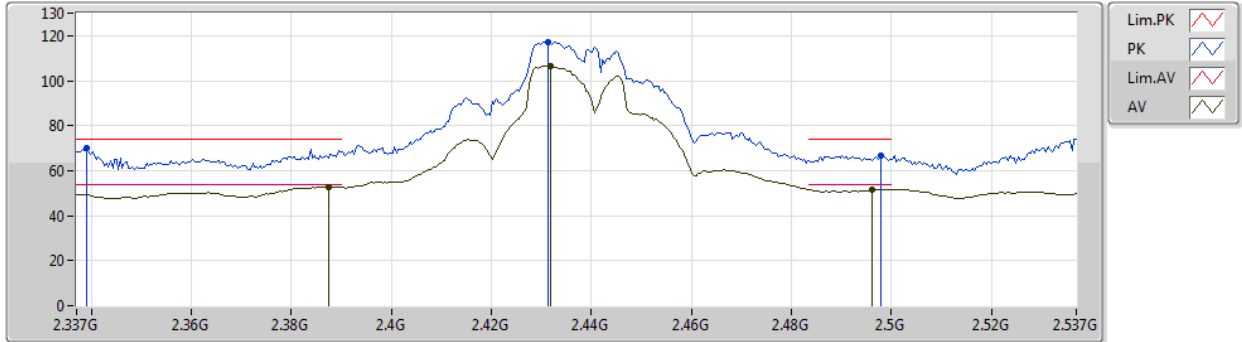
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AV	2.3898G	51.05	54.00	-2.95	31.91	3	Vertical	243	1.15	-	19.14	27.19	4.72	-
AV	2.4422G	104.25	Inf	-Inf	32.12	3	Vertical	243	1.15	-	72.13	27.34	4.78	-
AV	2.4846G	51.71	54.00	-2.29	32.29	3	Vertical	243	1.15	-	19.42	27.46	4.83	-
PK	2.339G	69.10	74.00	-4.90	31.71	3	Vertical	243	1.15	-	37.39	27.05	4.66	-
PK	2.4418G	115.13	Inf	-Inf	32.12	3	Vertical	243	1.15	-	83.01	27.34	4.78	-
PK	2.4854G	68.44	74.00	-5.56	32.29	3	Vertical	243	1.15	-	36.15	27.46	4.83	-



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2437MHz_TX

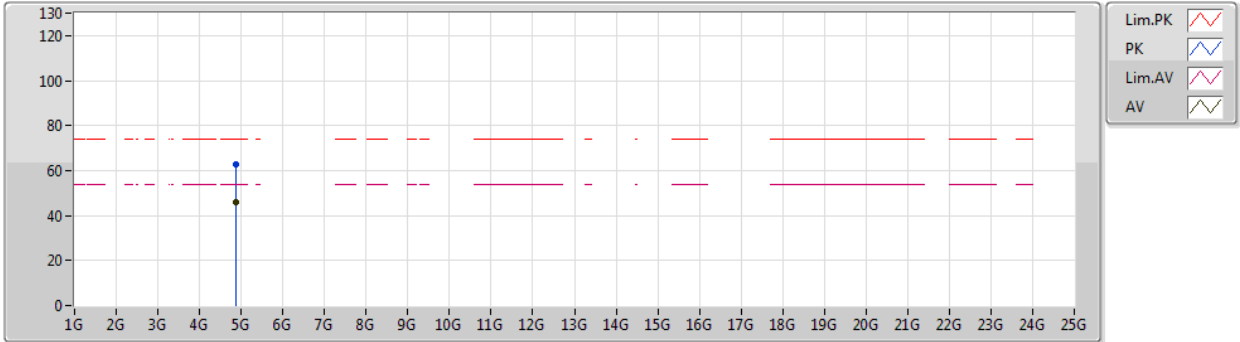


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3874G	52.62	54.00	-1.38	31.90	3	Horizontal	315	2.52	-	20.72	27.18	4.72	-
AV	2.4318G	106.65	Inf	-Inf	32.08	3	Horizontal	315	2.52	-	74.57	27.31	4.77	-
AV	2.4962G	51.61	54.00	-2.39	32.33	3	Horizontal	315	2.52	-	19.28	27.49	4.84	-
PK	2.339G	70.09	74.00	-3.91	31.71	3	Horizontal	315	2.52	-	38.38	27.05	4.66	-
PK	2.4314G	117.33	Inf	-Inf	32.08	3	Horizontal	315	2.52	-	85.25	27.31	4.77	-
PK	2.4978G	66.76	74.00	-7.24	32.33	3	Horizontal	315	2.52	-	34.43	27.49	4.84	-



VHT20_Nss1,(MCS0)_2TX
2437MHz_TX

02/09/2019



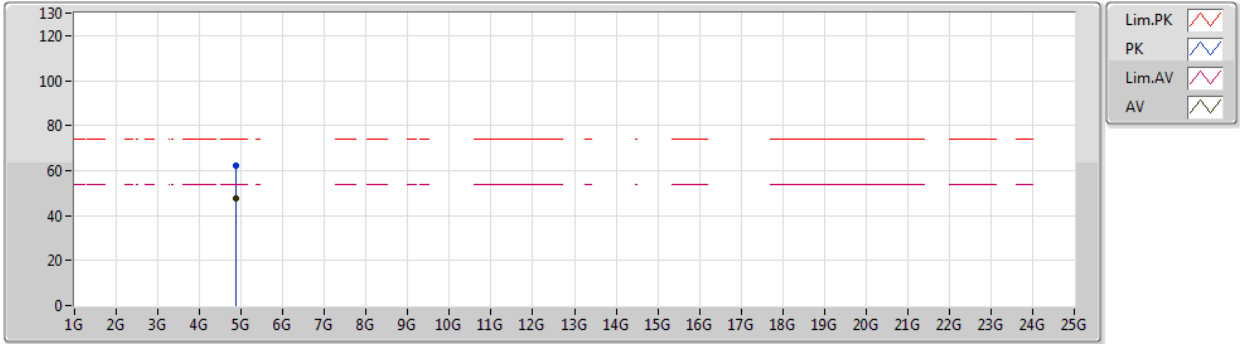
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AV	4.86692G	46.09	54.00	-7.91	3.62	3	Vertical	173	1.83	-	42.47	31.29	6.80	34.47
PK	4.87322G	62.93	74.00	-11.07	3.64	3	Vertical	173	1.83	-	59.29	31.30	6.81	34.47



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2437MHz_TX



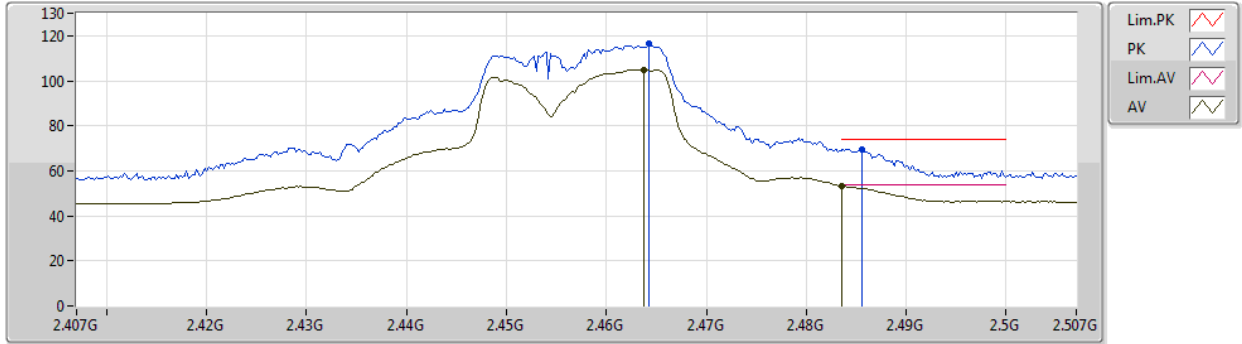
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87286G	47.37	54.00	-6.63	3.64	3	Horizontal	158	1.49	-	43.73	31.30	6.81	34.47
PK	4.87304G	61.96	74.00	-12.04	3.64	3	Horizontal	158	1.49	-	58.32	31.30	6.81	34.47



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2457MHz_TX

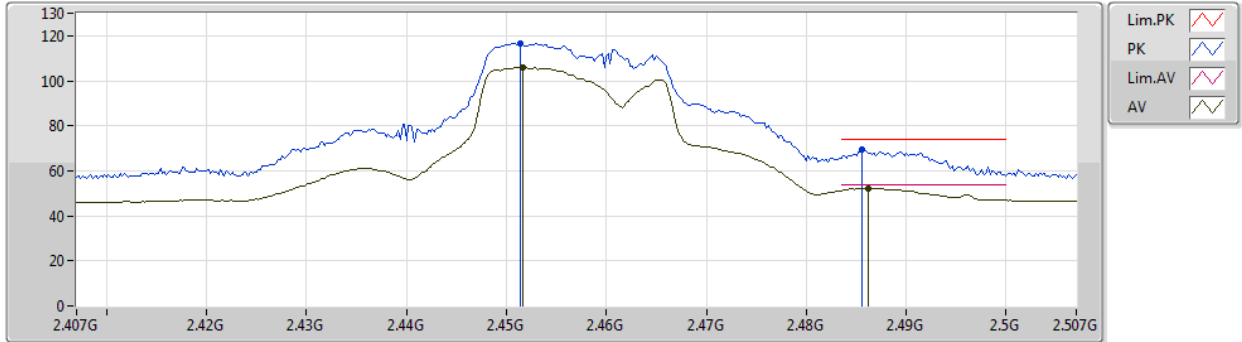


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4638G	105.04	Inf	-Inf	32.39	3	Vertical	156	1.24	-	72.65	27.59	4.80	-
AV	2.4835G	53.36	54.00	-0.64	32.48	3	Vertical	156	1.24	-	20.88	27.65	4.83	-
PK	2.4642G	116.33	Inf	-Inf	32.40	3	Vertical	156	1.24	-	83.93	27.59	4.81	-
PK	2.4856G	69.59	74.00	-4.41	32.49	3	Vertical	156	1.24	-	37.10	27.66	4.83	-



VHT20_Nss1,(MCS0)_2TX
2457MHz_TX

02/09/2019



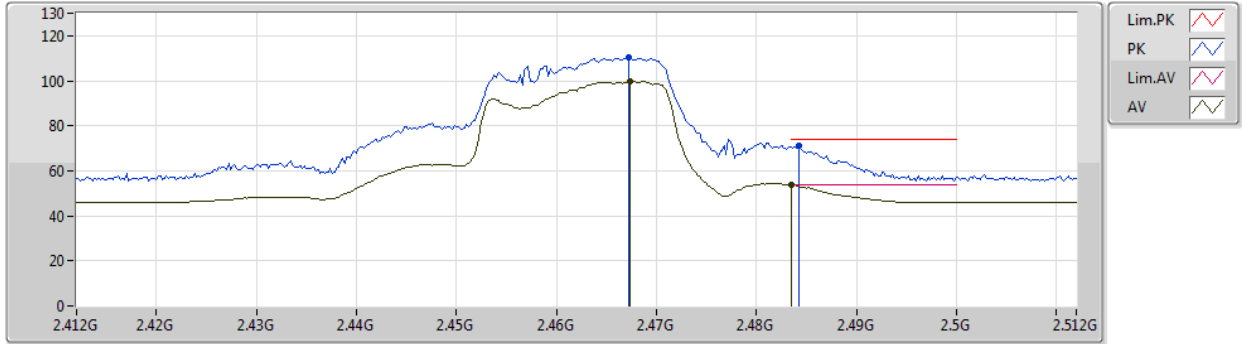
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AV	2.4516G	105.97	Inf	-Inf	32.34	3	Horizontal	222	1.82	-	73.63	27.55	4.79	-
AV	2.4862G	52.28	54.00	-1.72	32.49	3	Horizontal	222	1.82	-	19.79	27.66	4.83	-
PK	2.4514G	116.76	Inf	-Inf	32.34	3	Horizontal	222	1.82	-	84.42	27.55	4.79	-
PK	2.4856G	69.66	74.00	-4.34	32.49	3	Horizontal	222	1.82	-	37.17	27.66	4.83	-



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2462MHz_TX



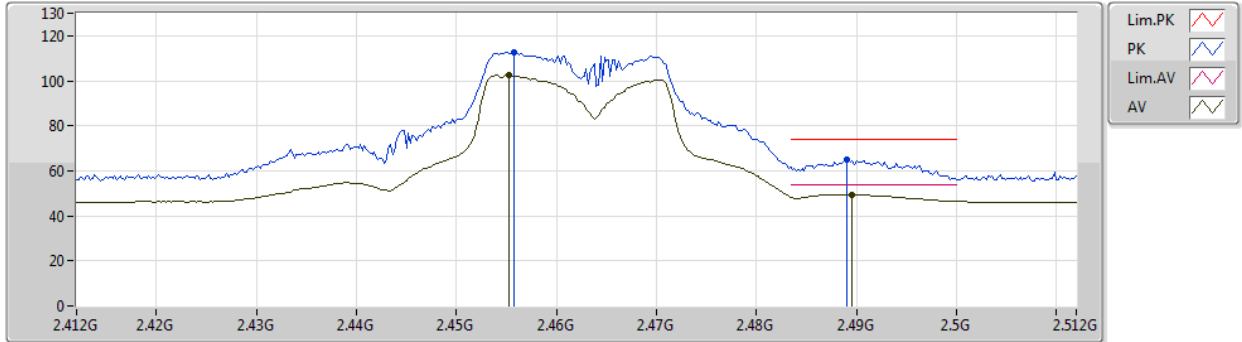
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AV	2.4674G	99.64	Inf	-Inf	32.22	3	Vertical	238	1.05	-	67.42	27.41	4.81	-
AV	2.4835G	53.75	54.00	-0.25	32.28	3	Vertical	238	1.05	-	21.47	27.45	4.83	-
PK	2.4672G	110.28	Inf	-Inf	32.22	3	Vertical	238	1.05	-	78.06	27.41	4.81	-
PK	2.4842G	70.99	74.00	-3.01	32.29	3	Vertical	238	1.05	-	38.70	27.46	4.83	-



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2462MHz_TX



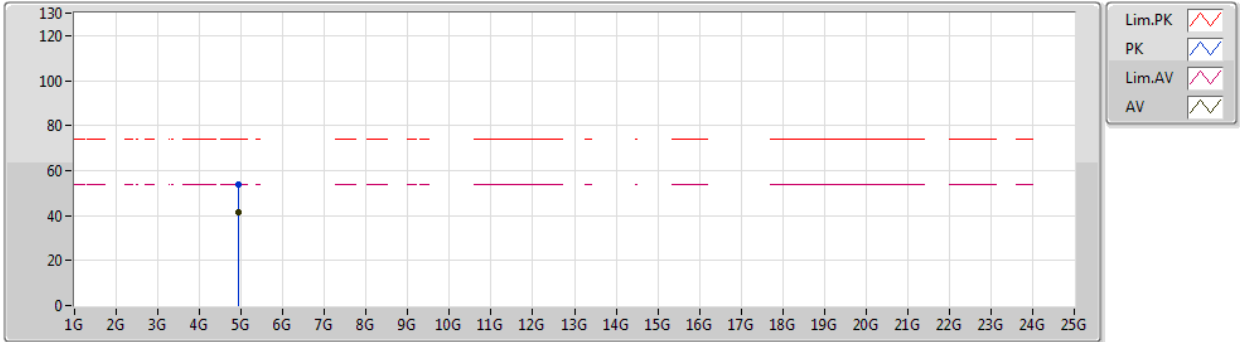
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4552G	102.37	Inf	-Inf	32.16	3	Horizontal	320	2.50	-	70.21	27.37	4.79	-
AV	2.4896G	49.47	54.00	-4.53	32.30	3	Horizontal	320	2.50	-	17.17	27.47	4.83	-
PK	2.4558G	112.90	Inf	-Inf	32.18	3	Horizontal	320	2.50	-	80.72	27.38	4.80	-
PK	2.489G	65.03	74.00	-8.97	32.30	3	Horizontal	320	2.50	-	32.73	27.47	4.83	-



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2462MHz_TX



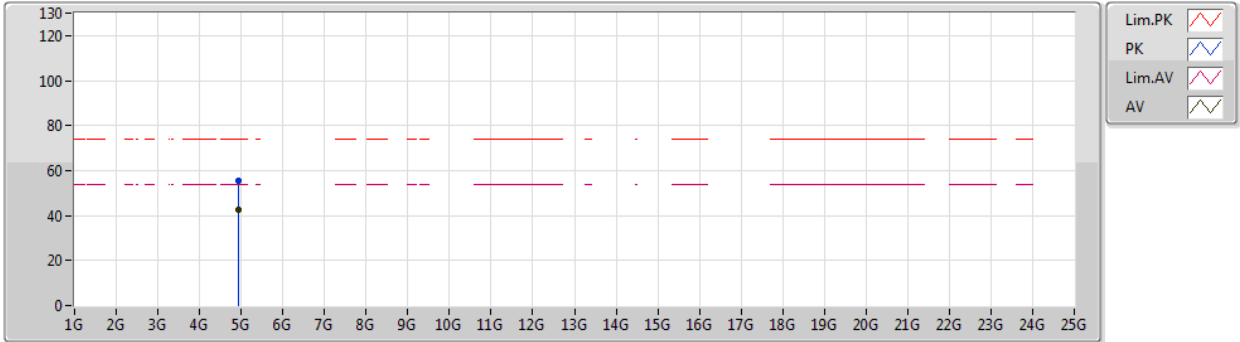
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92388G	41.39	54.00	-12.61	3.75	3	Vertical	185	1.66	-	37.64	31.38	6.82	34.45
PK	4.9234G	54.07	74.00	-19.93	3.75	3	Vertical	185	1.66	-	50.32	31.38	6.82	34.45



VHT20_Nss1,(MCS0)_2TX

02/09/2019

2462MHz_TX



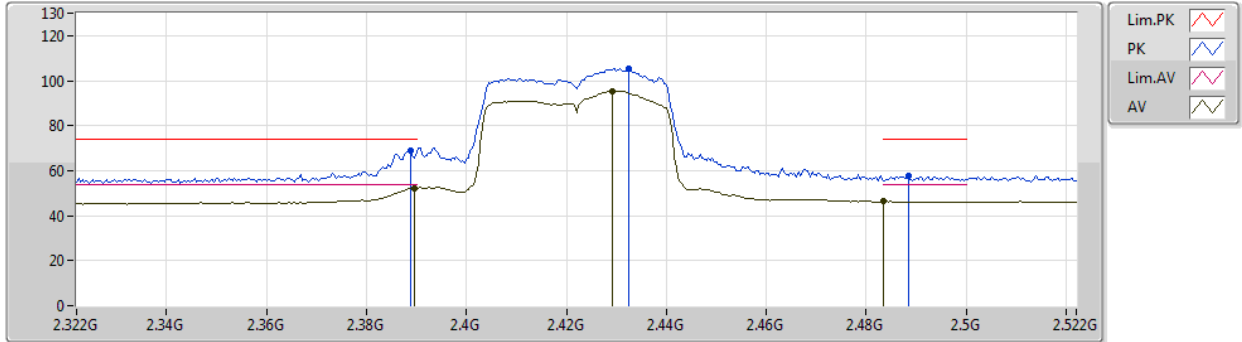
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92406G	42.46	54.00	-11.54	3.75	3	Horizontal	161	1.56	-	38.71	31.38	6.82	34.45
PK	4.9219G	55.63	74.00	-18.37	3.75	3	Horizontal	161	1.56	-	51.88	31.38	6.82	34.45



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2422MHz_TX



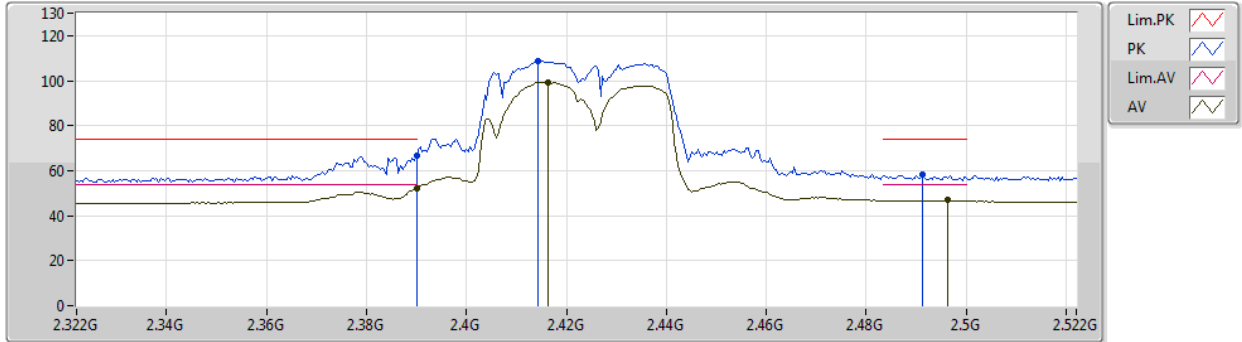
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	52.19	54.00	-1.81	31.91	3	Vertical	7	1.48	-	20.28	27.19	4.72	-
AV	2.4292G	95.52	Inf	-Inf	32.06	3	Vertical	7	1.48	-	63.46	27.30	4.76	-
AV	2.4835G	46.36	54.00	-7.64	32.28	3	Vertical	7	1.48	-	14.08	27.45	4.83	-
PK	2.3888G	68.91	74.00	-5.09	31.91	3	Vertical	7	1.48	-	37.00	27.19	4.72	-
PK	2.4324G	105.43	Inf	-Inf	32.08	3	Vertical	7	1.48	-	73.35	27.31	4.77	-
PK	2.4884G	57.54	74.00	-16.46	32.30	3	Vertical	7	1.48	-	25.24	27.47	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2422MHz_TX



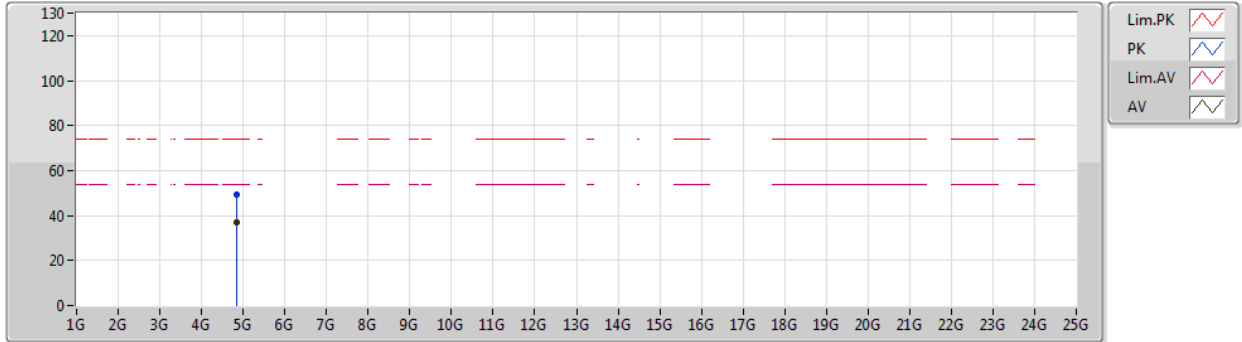
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.25	54.00	-1.75	31.91	3	Horizontal	320	2.31	-	20.34	27.19	4.72	-
AV	2.4164G	99.35	Inf	-Inf	32.02	3	Horizontal	320	2.31	-	67.33	27.27	4.75	-
AV	2.4964G	47.02	54.00	-6.98	32.33	3	Horizontal	320	2.31	-	14.69	27.49	4.84	-
PK	2.39G	66.63	74.00	-7.37	31.91	3	Horizontal	320	2.31	-	34.72	27.19	4.72	-
PK	2.4144G	108.55	Inf	-Inf	32.01	3	Horizontal	320	2.31	-	76.54	27.26	4.75	-
PK	2.4912G	58.00	74.00	-16.00	32.32	3	Horizontal	320	2.31	-	25.68	27.48	4.84	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2422MHz_TX



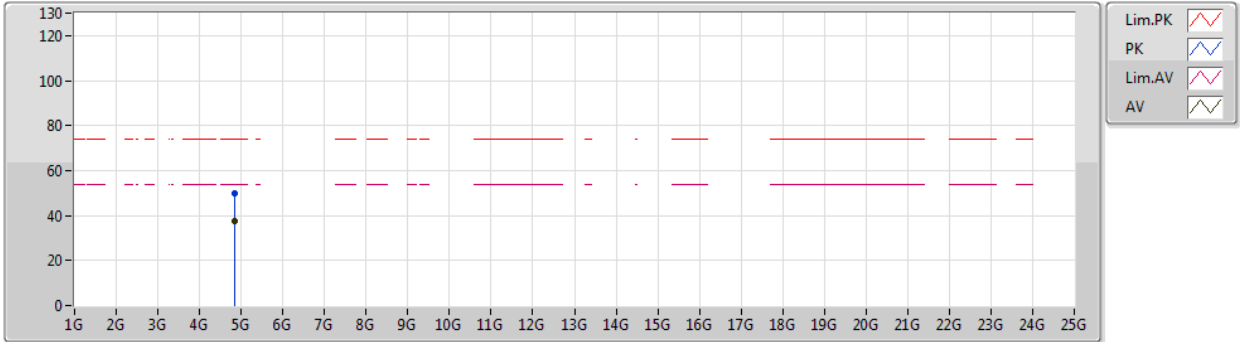
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84892G	36.94	54.00	-17.06	3.58	3	Vertical	169	2.07	-	33.36	31.26	6.80	34.48
PK	4.85054G	49.32	74.00	-24.68	3.59	3	Vertical	169	2.07	-	45.73	31.26	6.80	34.47



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2422MHz_TX



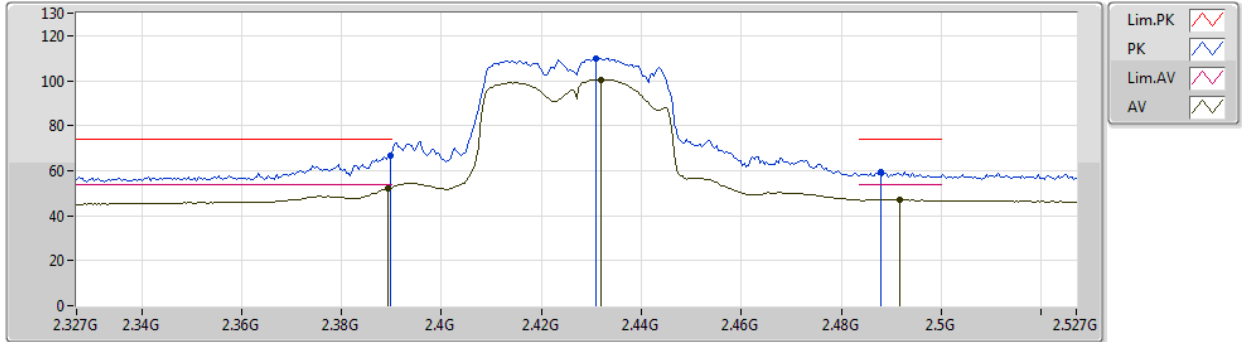
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84406G	37.72	54.00	-16.28	3.57	3	Horizontal	131	1.94	-	34.15	31.25	6.80	34.48
PK	4.85054G	50.09	74.00	-23.91	3.59	3	Horizontal	131	1.94	-	46.50	31.26	6.80	34.47



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2427MHz_TX



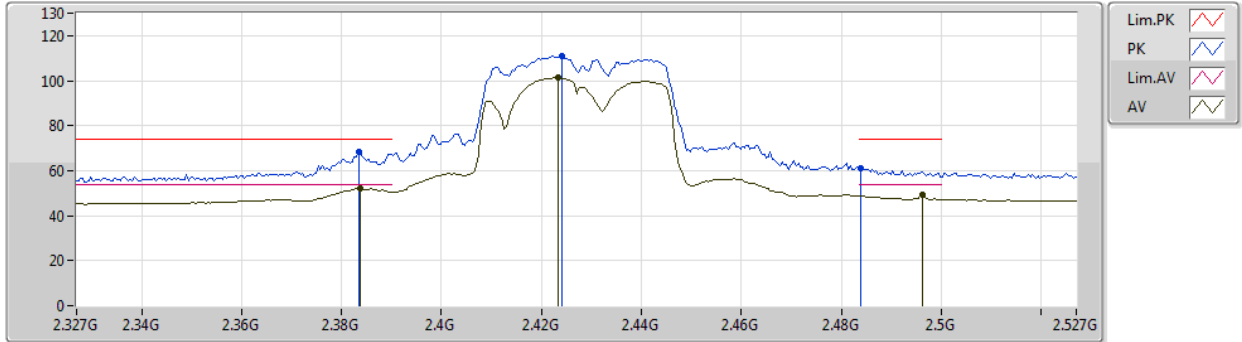
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	52.28	54.00	-1.72	32.09	3	Vertical	164	1.45	-	20.19	27.37	4.72	-
AV	2.4318G	100.57	Inf	-Inf	32.27	3	Vertical	164	1.45	-	68.30	27.50	4.77	-
AV	2.4918G	47.19	54.00	-6.81	32.52	3	Vertical	164	1.45	-	14.67	27.68	4.84	-
PK	2.3898G	66.91	74.00	-7.09	32.09	3	Vertical	164	1.45	-	34.82	27.37	4.72	-
PK	2.431G	109.84	Inf	-Inf	32.26	3	Vertical	164	1.45	-	77.58	27.49	4.77	-
PK	2.4878G	59.66	74.00	-14.34	32.49	3	Vertical	164	1.45	-	27.17	27.66	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2427MHz_TX



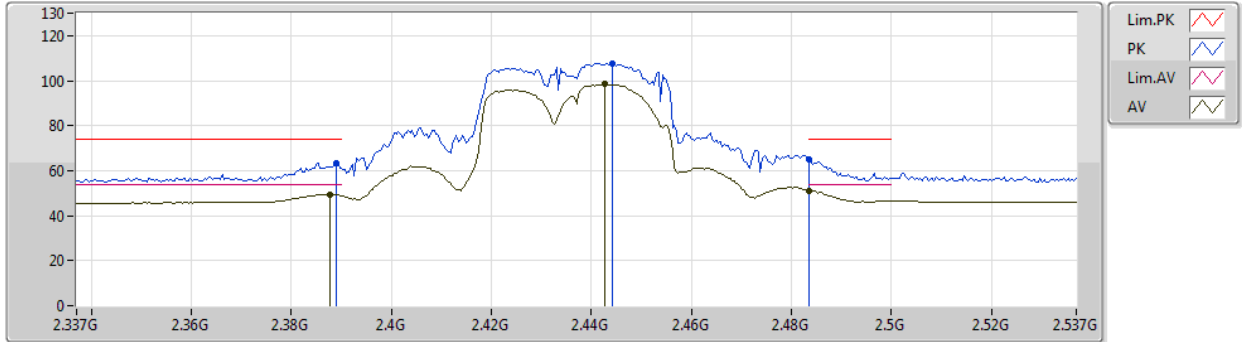
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AV	2.3838G	52.20	54.00	-1.80	32.06	3	Horizontal	232	1.53	-	20.14	27.35	4.71	-
AV	2.4234G	101.24	Inf	-Inf	32.23	3	Horizontal	232	1.53	-	69.01	27.47	4.76	-
AV	2.4962G	49.21	54.00	-4.79	32.53	3	Horizontal	232	1.53	-	16.68	27.69	4.84	-
PK	2.3834G	68.44	74.00	-5.56	32.06	3	Horizontal	232	1.53	-	36.38	27.35	4.71	-
PK	2.4242G	110.76	Inf	-Inf	32.23	3	Horizontal	232	1.53	-	78.53	27.47	4.76	-
PK	2.4838G	61.12	74.00	-12.88	32.48	3	Horizontal	232	1.53	-	28.64	27.65	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2437MHz_TX



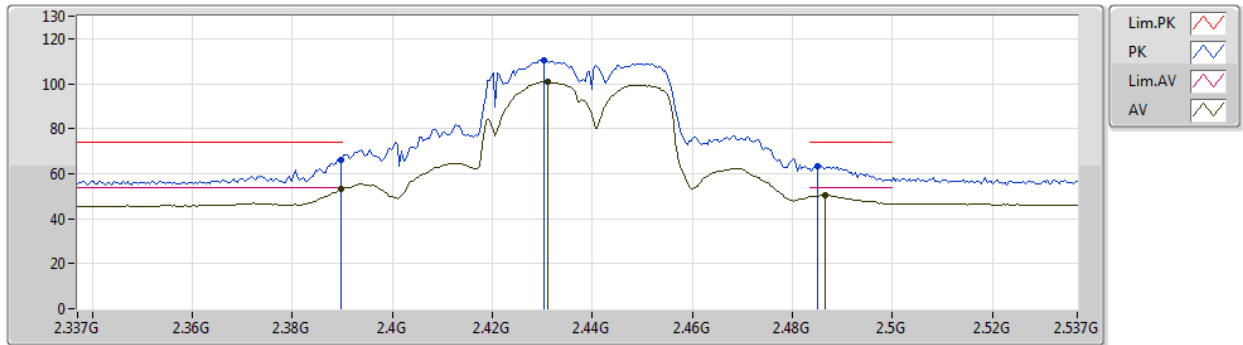
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	49.43	54.00	-4.57	31.91	3	Vertical	245	1.15	-	17.52	27.19	4.72	-
AV	2.4426G	98.35	Inf	-Inf	32.12	3	Vertical	245	1.15	-	66.23	27.34	4.78	-
AV	2.4835G	51.25	54.00	-2.75	32.28	3	Vertical	245	1.15	-	18.97	27.45	4.83	-
PK	2.389G	63.30	74.00	-10.70	31.91	3	Vertical	245	1.15	-	31.39	27.19	4.72	-
PK	2.4442G	107.63	Inf	-Inf	32.12	3	Vertical	245	1.15	-	75.51	27.34	4.78	-
PK	2.4835G	64.82	74.00	-9.18	32.28	3	Vertical	245	1.15	-	32.54	27.45	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2437MHz_TX



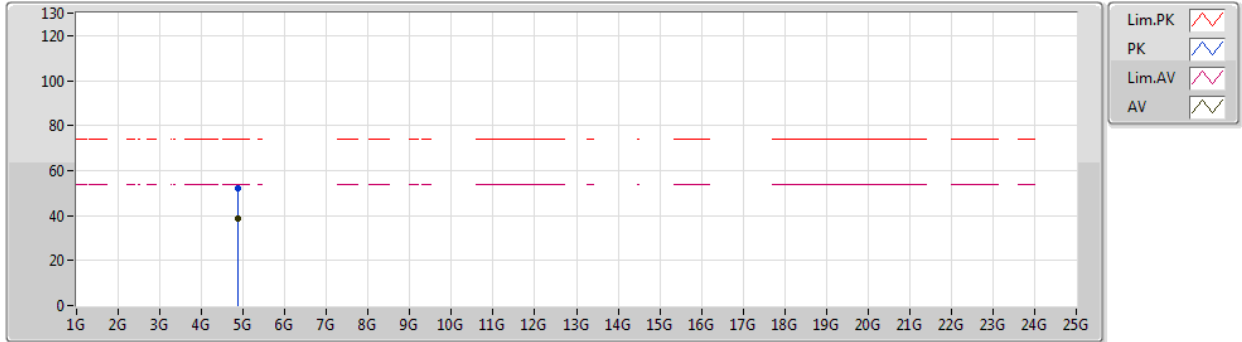
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.25	54.00	-0.75	31.91	3	Horizontal	315	2.51	-	21.34	27.19	4.72	-
AV	2.431G	101.02	Inf	-Inf	32.08	3	Horizontal	315	2.51	-	68.94	27.31	4.77	-
AV	2.4866G	50.30	54.00	-3.70	32.29	3	Horizontal	315	2.51	-	18.01	27.46	4.83	-
PK	2.3898G	66.38	74.00	-7.62	31.91	3	Horizontal	315	2.51	-	34.47	27.19	4.72	-
PK	2.4302G	110.24	Inf	-Inf	32.07	3	Horizontal	315	2.51	-	78.17	27.30	4.77	-
PK	2.485G	63.33	74.00	-10.67	32.29	3	Horizontal	315	2.51	-	31.04	27.46	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2437MHz_TX



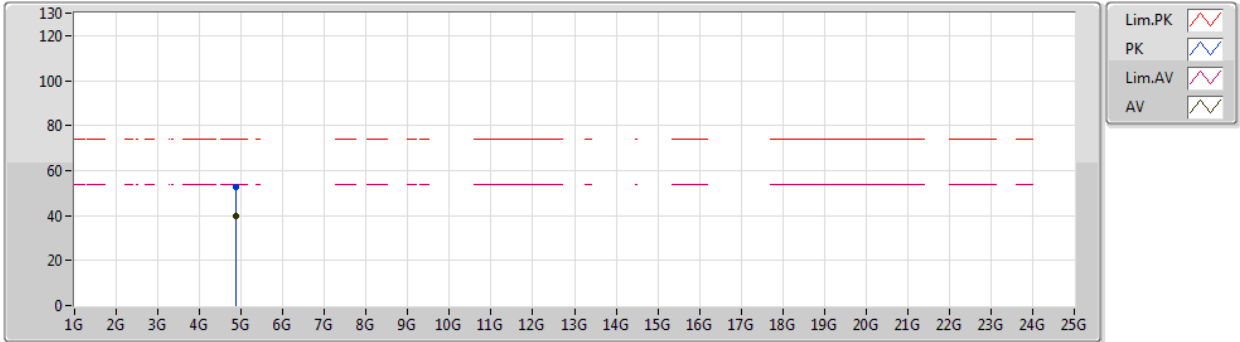
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AV	4.86638G	38.58	54.00	-15.42	3.62	3	Vertical	180	1.79	-	34.96	31.29	6.80	34.47
PK	4.87316G	51.88	74.00	-22.12	3.64	3	Vertical	180	1.79	-	48.24	31.30	6.81	34.47



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2437MHz_TX

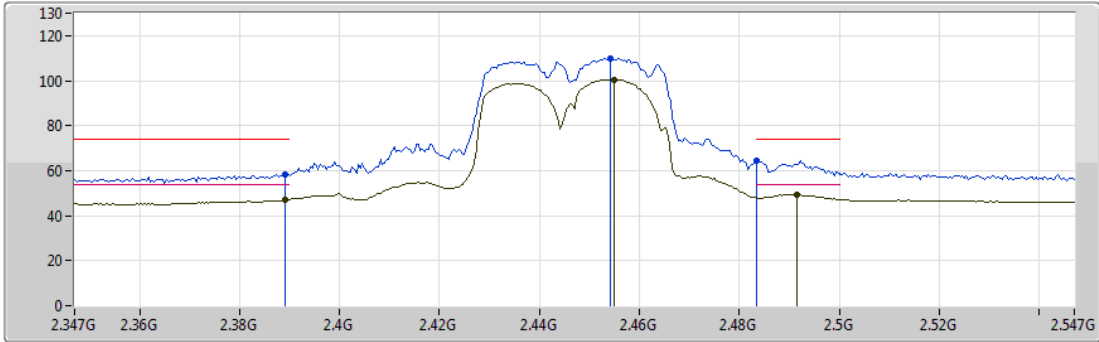


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87406G	39.65	54.00	-14.35	3.64	3	Horizontal	168	1.26	-	36.01	31.30	6.81	34.47
PK	4.8707G	52.91	74.00	-21.09	3.63	3	Horizontal	168	1.26	-	49.28	31.29	6.81	34.47



VHT40_Nss1,(MCS0)_2TX
2447MHz_TX

02/09/2019



Legend for the spectrum plot:

- Lim.PK (Red line)
- PK (Blue line)
- Lim.AV (Pink line)
- AV (Green line)

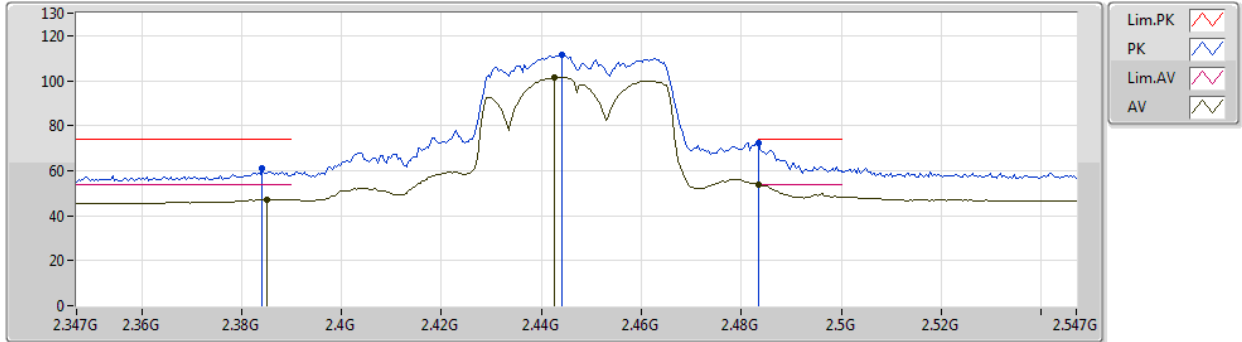
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AV	2.389G	47.18	54.00	-6.82	32.09	3	Vertical	153	1.26	-	15.09	27.37	4.72	-
AV	2.455G	100.56	Inf	-Inf	32.35	3	Vertical	153	1.26	-	68.21	27.56	4.79	-
AV	2.4914G	49.43	54.00	-4.57	32.51	3	Vertical	153	1.26	-	16.92	27.67	4.84	-
PK	2.389G	58.49	74.00	-15.51	32.09	3	Vertical	153	1.26	-	26.40	27.37	4.72	-
PK	2.4542G	110.03	Inf	-Inf	32.35	3	Vertical	153	1.26	-	77.68	27.56	4.79	-
PK	2.4835G	64.55	74.00	-9.45	32.48	3	Vertical	153	1.26	-	32.07	27.65	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2447MHz_TX



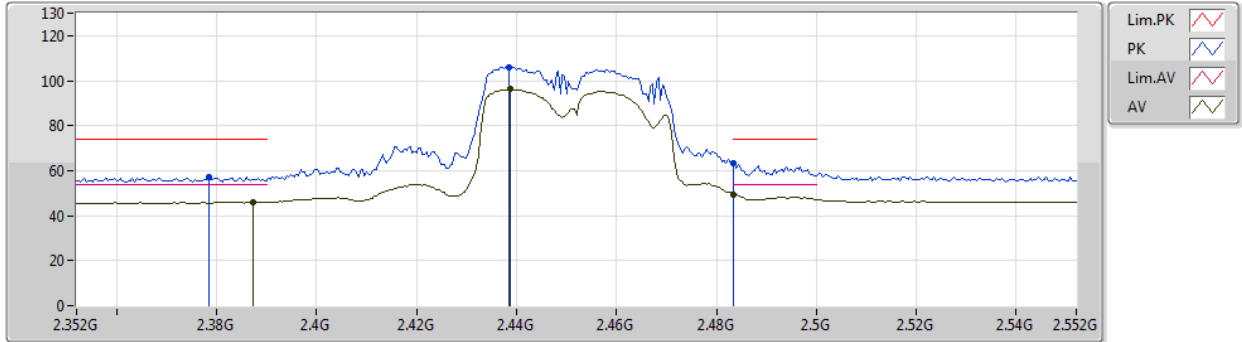
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.385G	47.26	54.00	-6.74	32.07	3	Horizontal	229	1.25	-	15.19	27.36	4.71	-
AV	2.4426G	101.50	Inf	-Inf	32.31	3	Horizontal	229	1.25	-	69.19	27.53	4.78	-
AV	2.4835G	53.96	54.00	-0.04	32.48	3	Horizontal	229	1.25	-	21.48	27.65	4.83	-
PK	2.3842G	60.83	74.00	-13.17	32.06	3	Horizontal	229	1.25	-	28.77	27.35	4.71	-
PK	2.4442G	111.39	Inf	-Inf	32.31	3	Horizontal	229	1.25	-	79.08	27.53	4.78	-
PK	2.4835G	72.37	74.00	-1.63	32.48	3	Horizontal	229	1.25	-	39.89	27.65	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2452MHz_TX



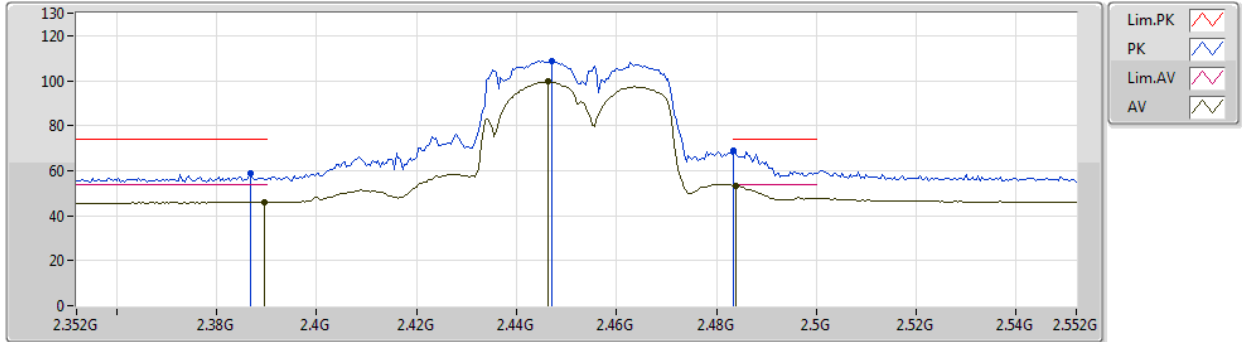
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3872G	45.91	54.00	-8.09	31.90	3	Vertical	236	1.14	-	14.01	27.18	4.72	-
AV	2.4388G	96.37	Inf	-Inf	32.11	3	Vertical	236	1.14	-	64.26	27.33	4.78	-
AV	2.4835G	49.33	54.00	-4.67	32.28	3	Vertical	236	1.14	-	17.05	27.45	4.83	-
PK	2.3784G	57.01	74.00	-16.99	31.86	3	Vertical	236	1.14	-	25.15	27.16	4.70	-
PK	2.4384G	105.89	Inf	-Inf	32.10	3	Vertical	236	1.14	-	73.79	27.33	4.77	-
PK	2.4835G	63.05	74.00	-10.95	32.28	3	Vertical	236	1.14	-	30.77	27.45	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2452MHz_TX



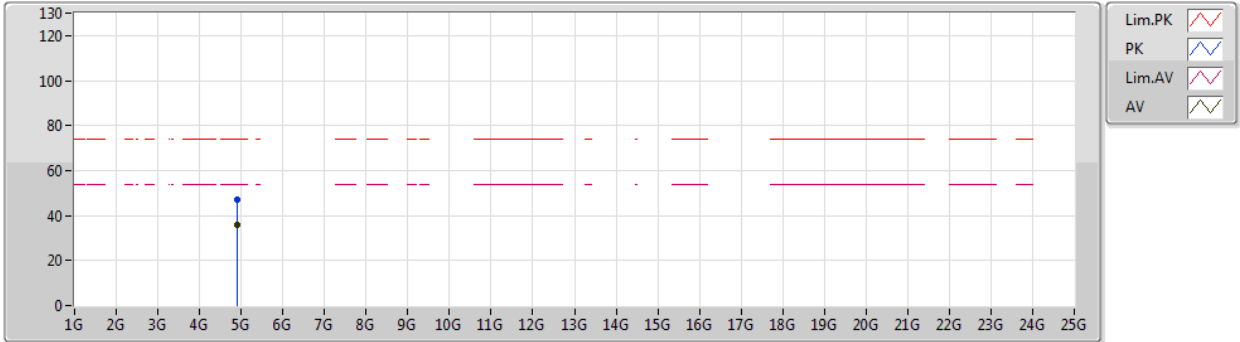
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	46.19	54.00	-7.81	31.91	3	Horizontal	314	2.55	-	14.28	27.19	4.72	-
AV	2.4464G	99.47	Inf	-Inf	32.13	3	Horizontal	314	2.55	-	67.34	27.35	4.78	-
AV	2.484G	53.46	54.00	-0.54	32.29	3	Horizontal	314	2.55	-	21.17	27.46	4.83	-
PK	2.3868G	58.89	74.00	-15.11	31.89	3	Horizontal	314	2.55	-	27.00	27.18	4.71	-
PK	2.4472G	108.66	Inf	-Inf	32.14	3	Horizontal	314	2.55	-	76.52	27.35	4.79	-
PK	2.4835G	68.72	74.00	-5.28	32.28	3	Horizontal	314	2.55	-	36.44	27.45	4.83	-



VHT40_Nss1,(MCS0)_2TX

02/09/2019

2452MHz_TX

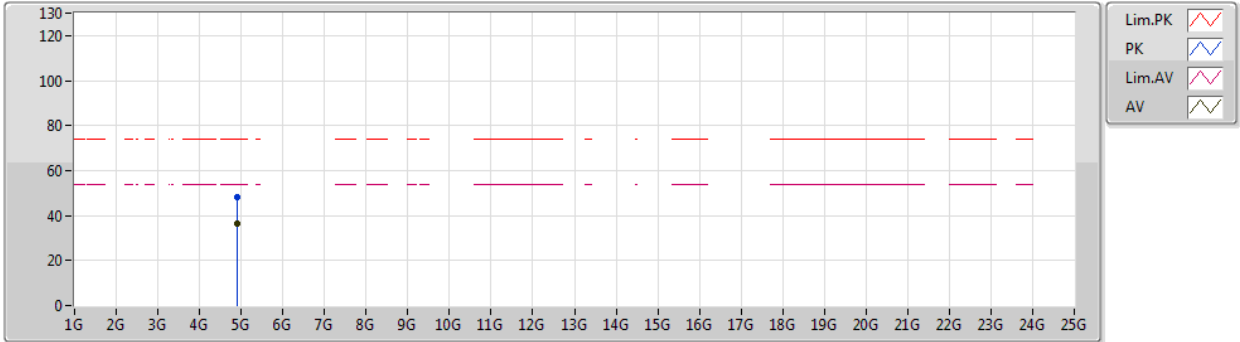


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.89098G	35.68	54.00	-18.32	3.68	3	Vertical	178	1.49	-	32.00	31.33	6.81	34.46
PK	4.91636G	47.07	74.00	-26.93	3.73	3	Vertical	178	1.49	-	43.34	31.37	6.82	34.46



VHT40_Nss1,(MCS0)_2TX
2452MHz_TX

02/09/2019



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90418G	36.16	54.00	-17.84	3.71	3	Horizontal	159	1.49	-	32.45	31.35	6.82	34.46
PK	4.90466G	48.44	74.00	-25.56	3.71	3	Horizontal	159	1.49	-	44.73	31.35	6.82	34.46



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
VHT40-BF_Nss1,(MCS0)_2TX	Pass	PK	35.82M	34.75	40.00	-5.25	3	Horizontal	0	1.00	-



Result

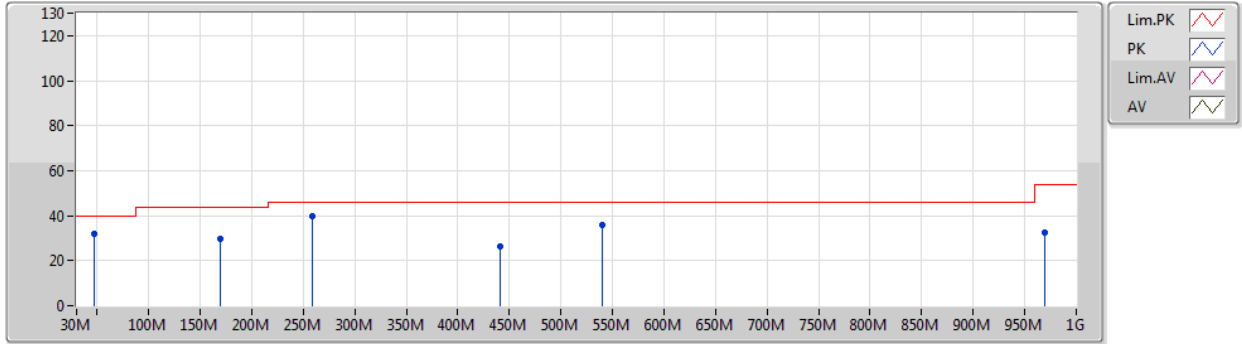
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	47.46M	31.85	40.00	-8.15	3	Vertical	360	1.00	-
2437MHz	Pass	PK	169.68M	29.76	43.50	-13.74	3	Vertical	360	1.00	-
2437MHz	Pass	PK	258.92M	40.06	46.00	-5.94	3	Vertical	360	1.00	-
2437MHz	Pass	PK	441.28M	26.61	46.00	-19.39	3	Vertical	360	1.00	-
2437MHz	Pass	PK	540.22M	35.91	46.00	-10.09	3	Vertical	360	1.00	-
2437MHz	Pass	PK	968.96M	32.55	54.00	-21.45	3	Vertical	360	1.00	-
2437MHz	Pass	PK	35.82M	34.75	40.00	-5.25	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	94.02M	34.31	43.50	-9.19	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	270.56M	31.62	46.00	-14.38	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	431.58M	27.12	46.00	-18.88	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	522.76M	29.73	46.00	-16.27	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	943.74M	29.80	46.00	-16.20	3	Horizontal	0	1.00	-



VHT40-BF_Nss1,(MCS0)_2TX

16/09/2019

2437MHz_Switching Power Supply

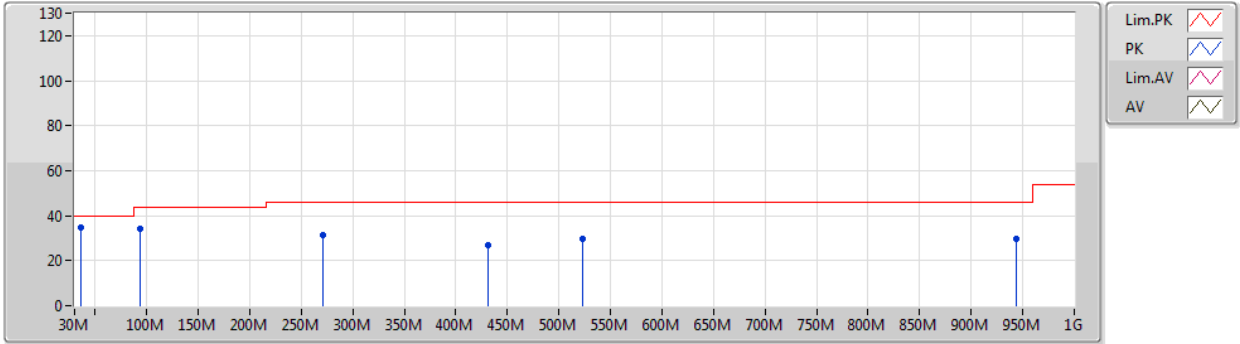


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	31.85	40.00	-8.15	-22.06	3	Vertical	360	1.00	-	53.91	14.56	0.57	37.19
PK	169.68M	29.76	43.50	-13.74	-20.59	3	Vertical	360	1.00	-	50.35	14.82	1.08	36.49
PK	258.92M	40.06	46.00	-5.94	-15.77	3	Vertical	360	1.00	-	55.83	19.34	1.32	36.43
PK	441.28M	26.61	46.00	-19.39	-12.76	3	Vertical	360	1.00	-	39.37	22.19	1.80	36.75
PK	540.22M	35.91	46.00	-10.09	-11.66	3	Vertical	360	1.00	-	47.57	23.39	1.99	37.04
PK	968.96M	32.55	54.00	-21.45	-4.40	3	Vertical	360	1.00	-	36.95	30.19	2.62	37.21



VHT40-BF_Nss1,(MCS0)_2TX
2437MHz_Switching Power Supply

16/09/2019



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	35.82M	34.75	40.00	-5.25	-16.12	3	Horizontal	0	1.00	-	50.87	20.65	0.52	37.29
PK	94.02M	34.31	43.50	-9.19	-21.65	3	Horizontal	0	1.00	-	55.96	14.39	0.79	36.83
PK	270.56M	31.62	46.00	-14.38	-16.37	3	Horizontal	0	1.00	-	47.99	18.72	1.35	36.44
PK	431.58M	27.12	46.00	-18.88	-12.87	3	Horizontal	0	1.00	-	39.99	22.08	1.77	36.72
PK	522.76M	29.73	46.00	-16.27	-11.78	3	Horizontal	0	1.00	-	41.51	23.26	1.95	36.99
PK	943.74M	29.80	46.00	-16.20	-4.80	3	Horizontal	0	1.00	-	34.60	29.92	2.60	37.32



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	AV	4.82395G	50.90	54.00	-3.10	3	Vertical	174	2.05	-
VHT40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.484G	53.40	54.00	-0.60	3	Horizontal	338	1.00	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	49.38	54.00	-4.62	3	Vertical	272	1.00	-
2412MHz	Pass	AV	2.4102G	99.58	Inf	-Inf	3	Vertical	272	1.00	-
2412MHz	Pass	PK	2.39G	61.88	74.00	-12.12	3	Vertical	272	1.00	-
2412MHz	Pass	PK	2.4182G	109.32	Inf	-Inf	3	Vertical	272	1.00	-
2412MHz	Pass	AV	2.42G	101.59	Inf	-Inf	3	Horizontal	17	1.00	-
2412MHz	Pass	AV	2.39G	50.89	54.00	-3.11	3	Horizontal	17	1.00	-
2412MHz	Pass	PK	2.4196G	112.18	Inf	-Inf	3	Horizontal	17	1.00	-
2412MHz	Pass	PK	2.3898G	63.74	74.00	-10.26	3	Horizontal	17	1.00	-
2412MHz	Pass	AV	4.82395G	50.90	54.00	-3.10	3	Vertical	174	2.05	-
2412MHz	Pass	PK	4.82393G	55.52	74.00	-18.48	3	Vertical	174	2.05	-
2412MHz	Pass	AV	4.82393G	47.95	54.00	-6.05	3	Horizontal	136	1.00	-
2412MHz	Pass	PK	4.82398G	53.84	74.00	-20.16	3	Horizontal	136	1.00	-
2417MHz	Pass	AV	2.3898G	49.70	54.00	-4.30	3	Vertical	14	2.97	-
2417MHz	Pass	AV	2.4216G	102.41	Inf	-Inf	3	Vertical	14	2.97	-
2417MHz	Pass	PK	2.39G	62.53	74.00	-11.47	3	Vertical	14	2.97	-
2417MHz	Pass	PK	2.4232G	113.67	Inf	-Inf	3	Vertical	14	2.97	-
2417MHz	Pass	AV	2.3878G	49.13	54.00	-4.87	3	Horizontal	6	1.50	-
2417MHz	Pass	AV	2.4162G	105.83	Inf	-Inf	3	Horizontal	6	1.50	-
2417MHz	Pass	PK	2.3894G	63.25	74.00	-10.75	3	Horizontal	6	1.50	-
2417MHz	Pass	PK	2.4244G	110.58	Inf	-Inf	3	Horizontal	6	1.50	-
2437MHz	Pass	AV	2.3606G	47.89	54.00	-6.11	3	Vertical	309	2.95	-
2437MHz	Pass	AV	2.4362G	106.04	Inf	-Inf	3	Vertical	309	2.95	-
2437MHz	Pass	AV	2.4958G	48.43	54.00	-5.57	3	Vertical	309	2.95	-
2437MHz	Pass	PK	2.3482G	60.74	74.00	-13.26	3	Vertical	309	2.95	-
2437MHz	Pass	PK	2.4382G	113.05	Inf	-Inf	3	Vertical	309	2.95	-
2437MHz	Pass	PK	2.4986G	60.85	74.00	-13.15	3	Vertical	309	2.95	-
2437MHz	Pass	AV	2.3858G	47.89	54.00	-6.11	3	Horizontal	10	1.11	-
2437MHz	Pass	AV	2.4338G	100.92	Inf	-Inf	3	Horizontal	10	1.11	-
2437MHz	Pass	AV	2.4978G	48.12	54.00	-5.88	3	Horizontal	10	1.11	-
2437MHz	Pass	PK	2.3406G	60.36	74.00	-13.64	3	Horizontal	10	1.11	-
2437MHz	Pass	PK	2.4322G	112.45	Inf	-Inf	3	Horizontal	10	1.11	-
2437MHz	Pass	PK	2.4982G	60.47	74.00	-13.53	3	Horizontal	10	1.11	-
2437MHz	Pass	AV	4.87397G	50.00	54.00	-4.00	3	Vertical	173	1.98	-
2437MHz	Pass	PK	4.87405G	54.43	74.00	-19.57	3	Vertical	173	1.98	-
2437MHz	Pass	AV	4.87397G	50.17	54.00	-3.83	3	Horizontal	206	2.67	-
2437MHz	Pass	PK	4.87405G	54.79	74.00	-19.21	3	Horizontal	206	2.67	-
2457MHz	Pass	AV	2.4562G	107.79	Inf	-Inf	3	Vertical	8	2.40	-
2457MHz	Pass	AV	2.4838G	48.59	54.00	-5.41	3	Vertical	8	2.40	-
2457MHz	Pass	PK	2.4516G	111.14	Inf	-Inf	3	Vertical	8	2.40	-
2457MHz	Pass	PK	2.4872G	60.84	74.00	-13.16	3	Vertical	8	2.40	-
2457MHz	Pass	AV	2.4578G	104.35	Inf	-Inf	3	Horizontal	346	1.00	-
2457MHz	Pass	AV	2.4836G	48.56	54.00	-5.44	3	Horizontal	346	1.00	-
2457MHz	Pass	PK	2.4534G	111.09	Inf	-Inf	3	Horizontal	346	1.00	-
2457MHz	Pass	PK	2.489G	61.64	74.00	-12.36	3	Horizontal	346	1.00	-
2462MHz	Pass	AV	2.4612G	106.55	Inf	-Inf	3	Vertical	360	2.95	-
2462MHz	Pass	AV	2.4835G	49.59	54.00	-4.41	3	Vertical	360	2.95	-
2462MHz	Pass	PK	2.4646G	112.13	Inf	-Inf	3	Vertical	360	2.95	-



RSE TX above 1GHz Beamforming

Appendix F.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4846G	61.86	74.00	-12.14	3	Vertical	360	2.95	-
2462MHz	Pass	AV	2.4612G	103.42	Inf	-Inf	3	Horizontal	338	1.00	-
2462MHz	Pass	AV	2.484G	49.53	54.00	-4.47	3	Horizontal	338	1.00	-
2462MHz	Pass	PK	2.4554G	109.17	Inf	-Inf	3	Horizontal	338	1.00	-
2462MHz	Pass	PK	2.4962G	60.77	74.00	-13.23	3	Horizontal	338	1.00	-
2462MHz	Pass	AV	4.92398G	50.89	54.00	-3.11	3	Vertical	282	1.00	-
2462MHz	Pass	PK	4.92392G	55.14	74.00	-18.86	3	Vertical	282	1.00	-
2462MHz	Pass	AV	4.92399G	47.06	54.00	-6.94	3	Horizontal	205	2.88	-
2462MHz	Pass	PK	4.92406G	52.97	74.00	-21.03	3	Horizontal	205	2.88	-
VHT40-BF_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3896G	51.16	54.00	-2.84	3	Vertical	270	1.49	-
2422MHz	Pass	AV	2.4136G	102.69	Inf	-Inf	3	Vertical	270	1.49	-
2422MHz	Pass	AV	2.4924G	48.11	54.00	-5.89	3	Vertical	270	1.49	-
2422MHz	Pass	PK	2.3896G	62.92	74.00	-11.08	3	Vertical	270	1.49	-
2422MHz	Pass	PK	2.4196G	105.54	Inf	-Inf	3	Vertical	270	1.49	-
2422MHz	Pass	PK	2.4884G	60.27	74.00	-13.73	3	Vertical	270	1.49	-
2422MHz	Pass	AV	2.3892G	53.24	54.00	-0.76	3	Horizontal	7	1.01	-
2422MHz	Pass	AV	2.4112G	107.57	Inf	-Inf	3	Horizontal	7	1.01	-
2422MHz	Pass	AV	2.4856G	48.41	54.00	-5.59	3	Horizontal	7	1.01	-
2422MHz	Pass	PK	2.3888G	67.83	74.00	-6.17	3	Horizontal	7	1.01	-
2422MHz	Pass	PK	2.4112G	109.81	Inf	-Inf	3	Horizontal	7	1.01	-
2422MHz	Pass	PK	2.4868G	60.77	74.00	-13.23	3	Horizontal	7	1.01	-
2422MHz	Pass	AV	4.84402G	37.62	54.00	-16.38	3	Vertical	302	1.00	-
2422MHz	Pass	PK	4.84403G	51.23	74.00	-22.77	3	Vertical	302	1.00	-
2422MHz	Pass	AV	4.84396G	36.93	54.00	-17.07	3	Horizontal	348	1.03	-
2422MHz	Pass	PK	4.84403G	50.28	74.00	-23.72	3	Horizontal	348	1.03	-
2427MHz	Pass	AV	2.3894G	51.78	54.00	-2.22	3	Vertical	269	1.50	-
2427MHz	Pass	AV	2.4186G	103.69	Inf	-Inf	3	Vertical	269	1.50	-
2427MHz	Pass	AV	2.4926G	48.33	54.00	-5.67	3	Vertical	269	1.50	-
2427MHz	Pass	PK	2.3854G	66.35	74.00	-7.65	3	Vertical	269	1.50	-
2427MHz	Pass	PK	2.4198G	106.98	Inf	-Inf	3	Vertical	269	1.50	-
2427MHz	Pass	PK	2.4898G	61.58	74.00	-12.42	3	Vertical	269	1.50	-
2427MHz	Pass	AV	2.3894G	53.30	54.00	-0.70	3	Horizontal	9	1.00	-
2427MHz	Pass	AV	2.4206G	102.39	Inf	-Inf	3	Horizontal	9	1.00	-
2427MHz	Pass	AV	2.491G	48.42	54.00	-5.58	3	Horizontal	9	1.00	-
2427MHz	Pass	PK	2.3898G	67.68	74.00	-6.32	3	Horizontal	9	1.00	-
2427MHz	Pass	PK	2.4162G	110.40	Inf	-Inf	3	Horizontal	9	1.00	-
2427MHz	Pass	PK	2.4846G	60.58	74.00	-13.42	3	Horizontal	9	1.00	-
2437MHz	Pass	AV	2.3898G	50.05	54.00	-3.95	3	Vertical	269	1.00	-
2437MHz	Pass	AV	2.4278G	104.98	Inf	-Inf	3	Vertical	269	1.00	-
2437MHz	Pass	AV	2.4838G	49.51	54.00	-4.49	3	Vertical	269	1.00	-
2437MHz	Pass	PK	2.3894G	68.71	74.00	-5.29	3	Vertical	269	1.00	-
2437MHz	Pass	PK	2.4442G	108.52	Inf	-Inf	3	Vertical	269	1.00	-
2437MHz	Pass	PK	2.4842G	63.85	74.00	-10.15	3	Vertical	269	1.00	-
2437MHz	Pass	AV	2.389G	50.70	54.00	-3.30	3	Horizontal	5	1.00	-
2437MHz	Pass	AV	2.4262G	108.36	Inf	-Inf	3	Horizontal	5	1.00	-
2437MHz	Pass	AV	2.4835G	51.03	54.00	-2.97	3	Horizontal	5	1.00	-
2437MHz	Pass	PK	2.3846G	73.15	74.00	-0.85	3	Horizontal	5	1.00	-
2437MHz	Pass	PK	2.4266G	110.73	Inf	-Inf	3	Horizontal	5	1.00	-



RSE TX above 1GHz Beamforming

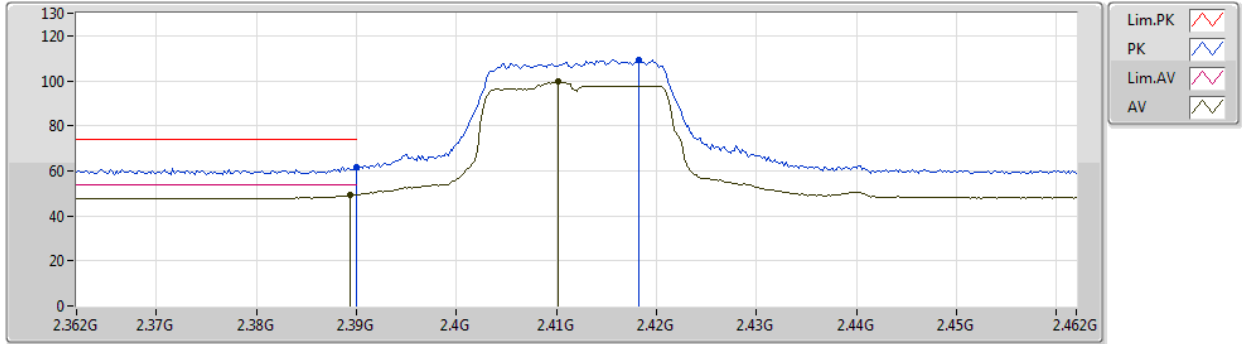
Appendix F.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4838G	65.83	74.00	-8.17	3	Horizontal	5	1.00	-
2437MHz	Pass	AV	4.87401G	39.23	54.00	-14.77	3	Vertical	207	3.00	-
2437MHz	Pass	PK	4.87399G	53.29	74.00	-20.71	3	Vertical	207	3.00	-
2437MHz	Pass	AV	4.87401G	36.41	54.00	-17.59	3	Horizontal	153	1.50	-
2437MHz	Pass	PK	4.874G	51.13	74.00	-22.87	3	Horizontal	153	1.50	-
2447MHz	Pass	AV	2.3898G	48.45	54.00	-5.55	3	Vertical	303	2.94	-
2447MHz	Pass	AV	2.4378G	105.96	Inf	-Inf	3	Vertical	303	2.94	-
2447MHz	Pass	AV	2.4838G	52.60	54.00	-1.40	3	Vertical	303	2.94	-
2447MHz	Pass	PK	2.3846G	64.46	74.00	-9.54	3	Vertical	303	2.94	-
2447MHz	Pass	PK	2.4502G	109.34	Inf	-Inf	3	Vertical	303	2.94	-
2447MHz	Pass	PK	2.4846G	69.70	74.00	-4.30	3	Vertical	303	2.94	-
2447MHz	Pass	AV	2.3894G	48.31	54.00	-5.69	3	Horizontal	12	1.00	-
2447MHz	Pass	AV	2.4362G	106.65	Inf	-Inf	3	Horizontal	12	1.00	-
2447MHz	Pass	AV	2.4842G	50.74	54.00	-3.26	3	Horizontal	12	1.00	-
2447MHz	Pass	PK	2.3894G	65.90	74.00	-8.10	3	Horizontal	12	1.00	-
2447MHz	Pass	PK	2.4378G	108.84	Inf	-Inf	3	Horizontal	12	1.00	-
2447MHz	Pass	PK	2.485G	67.49	74.00	-6.51	3	Horizontal	12	1.00	-
2452MHz	Pass	AV	2.3828G	48.16	54.00	-5.84	3	Vertical	23	3.00	-
2452MHz	Pass	AV	2.4412G	108.49	Inf	-Inf	3	Vertical	23	3.00	-
2452MHz	Pass	AV	2.4835G	52.11	54.00	-1.89	3	Vertical	23	3.00	-
2452MHz	Pass	PK	2.3548G	61.47	74.00	-12.53	3	Vertical	23	3.00	-
2452MHz	Pass	PK	2.4412G	110.98	Inf	-Inf	3	Vertical	23	3.00	-
2452MHz	Pass	PK	2.484G	67.22	74.00	-6.78	3	Vertical	23	3.00	-
2452MHz	Pass	AV	2.3884G	47.81	54.00	-6.19	3	Horizontal	338	1.00	-
2452MHz	Pass	AV	2.4428G	104.17	Inf	-Inf	3	Horizontal	338	1.00	-
2452MHz	Pass	AV	2.484G	53.40	54.00	-0.60	3	Horizontal	338	1.00	-
2452MHz	Pass	PK	2.3712G	60.91	74.00	-13.09	3	Horizontal	338	1.00	-
2452MHz	Pass	PK	2.4608G	107.10	Inf	-Inf	3	Horizontal	338	1.00	-
2452MHz	Pass	PK	2.4848G	69.35	74.00	-4.65	3	Horizontal	338	1.00	-
2452MHz	Pass	AV	4.9039G	38.93	54.00	-15.07	3	Vertical	286	2.37	-
2452MHz	Pass	PK	4.90404G	53.08	74.00	-20.92	3	Vertical	286	2.37	-
2452MHz	Pass	AV	4.904G	36.59	54.00	-17.41	3	Horizontal	206	2.88	-
2452MHz	Pass	PK	4.90388G	50.78	74.00	-23.22	3	Horizontal	206	2.88	-



VHT20-BF_Nss1,(MCS0)_2TX
2412MHz_TX

14/09/2019



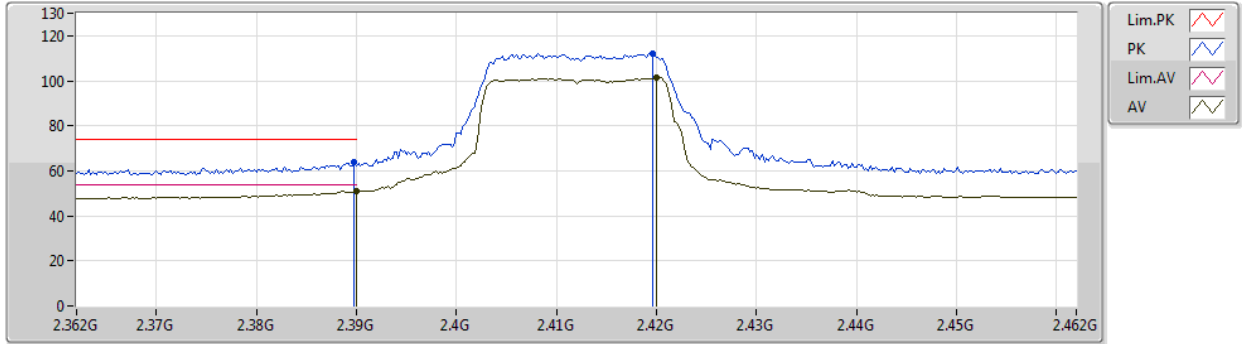
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AV	2.3894G	49.38	54.00	-4.62	34.97	3	Vertical	272	1.00	-	14.41	27.64	7.33	-
AV	2.4102G	99.58	Inf	-Inf	34.93	3	Vertical	272	1.00	-	64.65	27.59	7.34	-
PK	2.39G	61.88	74.00	-12.12	34.97	3	Vertical	272	1.00	-	26.91	27.64	7.33	-
PK	2.4182G	109.32	Inf	-Inf	34.92	3	Vertical	272	1.00	-	74.40	27.58	7.34	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2412MHz_TX



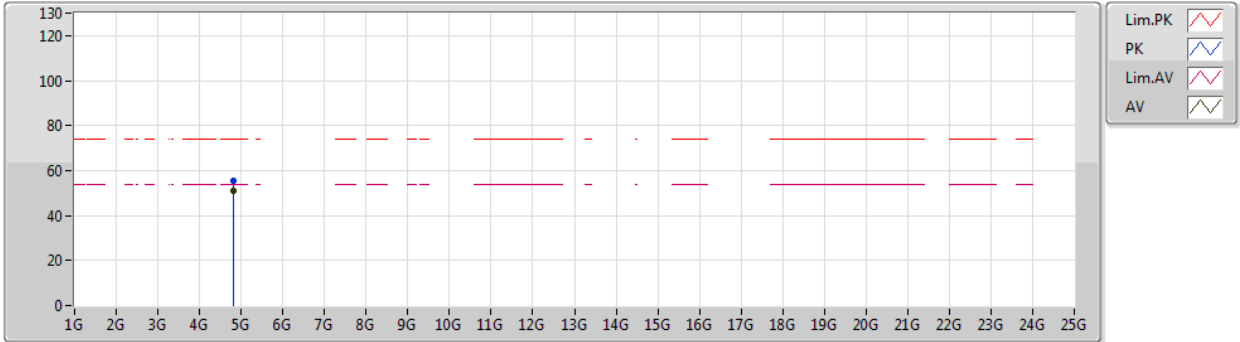
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AV	2.42G	101.59	Inf	-Inf	34.92	3	Horizontal	17	1.00	-	66.67	27.58	7.34	-
AV	2.39G	50.89	54.00	-3.11	34.97	3	Horizontal	17	1.00	-	15.92	27.64	7.33	-
PK	2.4196G	112.18	Inf	-Inf	34.92	3	Horizontal	17	1.00	-	77.26	27.58	7.34	-
PK	2.3898G	63.74	74.00	-10.26	34.97	3	Horizontal	17	1.00	-	28.77	27.64	7.33	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2412MHz_TX



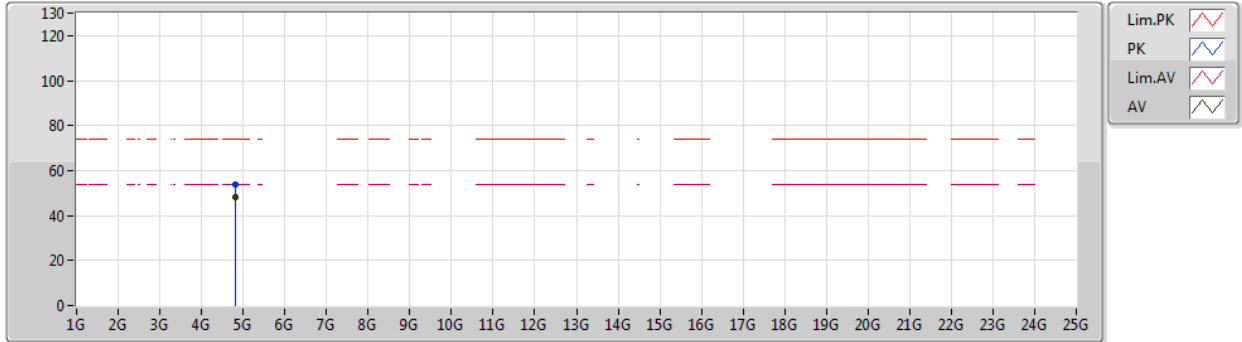
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AV	4.82395G	50.90	54.00	-3.10	6.99	3	Vertical	174	2.05	-	43.91	31.10	9.94	34.05
PK	4.82393G	55.52	74.00	-18.48	6.99	3	Vertical	174	2.05	-	48.53	31.10	9.94	34.05



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2412MHz_TX



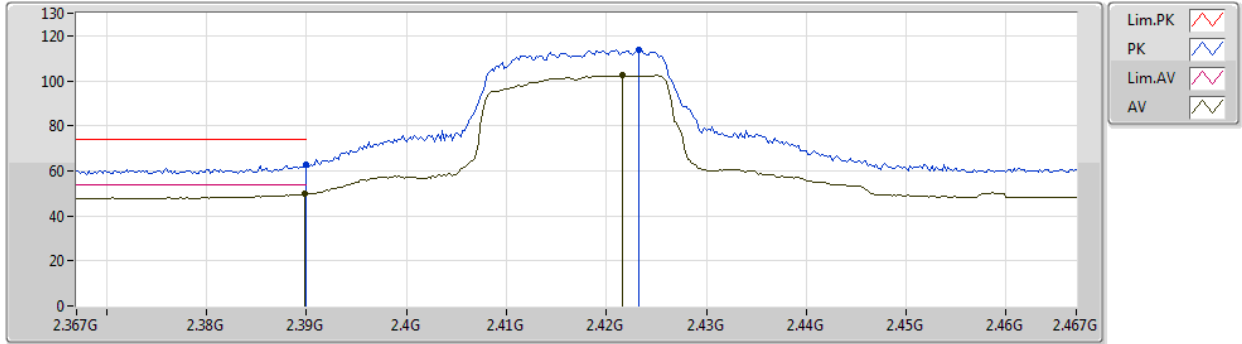
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AV	4.82393G	47.95	54.00	-6.05	6.99	3	Horizontal	136	1.00	-	40.96	31.10	9.94	34.05
PK	4.82398G	53.84	74.00	-20.16	6.99	3	Horizontal	136	1.00	-	46.85	31.10	9.94	34.05



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2417MHz_TX



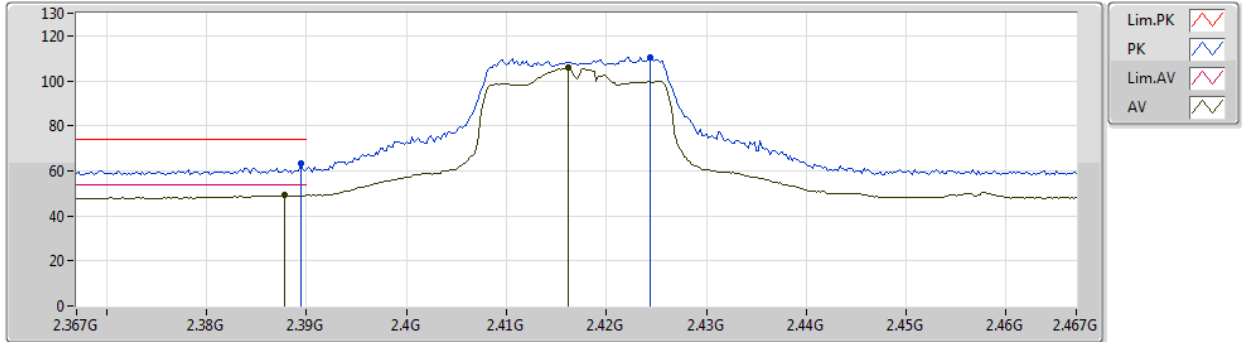
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AV	2.3898G	49.70	54.00	-4.30	34.97	3	Vertical	14	2.97	-	14.73	27.64	7.33	-
AV	2.4216G	102.41	Inf	-Inf	34.92	3	Vertical	14	2.97	-	67.49	27.58	7.34	-
PK	2.39G	62.53	74.00	-11.47	34.97	3	Vertical	14	2.97	-	27.56	27.64	7.33	-
PK	2.4232G	113.67	Inf	-Inf	34.92	3	Vertical	14	2.97	-	78.75	27.58	7.34	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2417MHz_TX

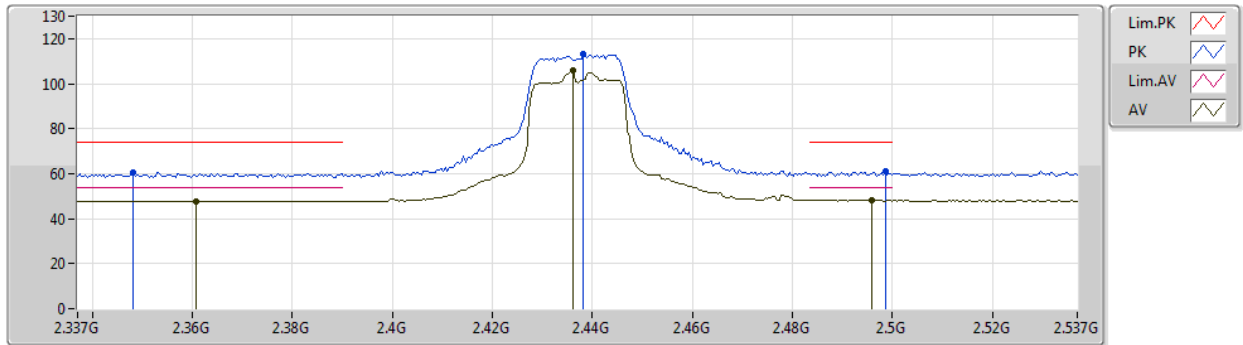


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	49.13	54.00	-4.87	34.98	3	Horizontal	6	1.50	-	14.15	27.65	7.33	-
AV	2.4162G	105.83	Inf	-Inf	34.92	3	Horizontal	6	1.50	-	70.91	27.58	7.34	-
PK	2.3894G	63.25	74.00	-10.75	34.97	3	Horizontal	6	1.50	-	28.28	27.64	7.33	-
PK	2.4244G	110.58	Inf	-Inf	34.92	3	Horizontal	6	1.50	-	75.66	27.58	7.34	-

VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2437MHz_TX

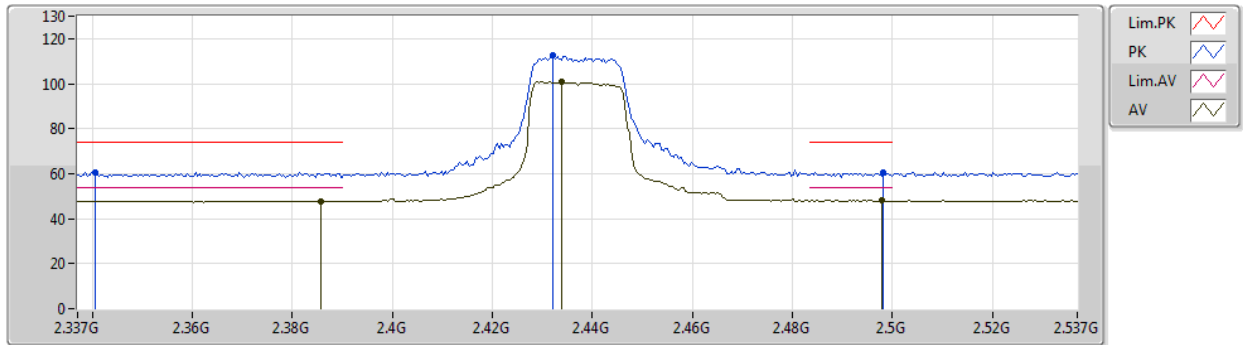


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3606G	47.89	54.00	-6.11	35.10	3	Vertical	309	2.95	-	12.79	27.76	7.34	-
AV	2.4362G	106.04	Inf	-Inf	34.91	3	Vertical	309	2.95	-	71.13	27.56	7.35	-
AV	2.4958G	48.43	54.00	-5.57	34.87	3	Vertical	309	2.95	-	13.56	27.50	7.37	-
PK	2.3482G	60.74	74.00	-13.26	35.15	3	Vertical	309	2.95	-	25.59	27.81	7.34	-
PK	2.4382G	113.05	Inf	-Inf	34.91	3	Vertical	309	2.95	-	78.14	27.56	7.35	-
PK	2.4986G	60.85	74.00	-13.15	34.87	3	Vertical	309	2.95	-	25.98	27.50	7.37	-

VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2437MHz_TX



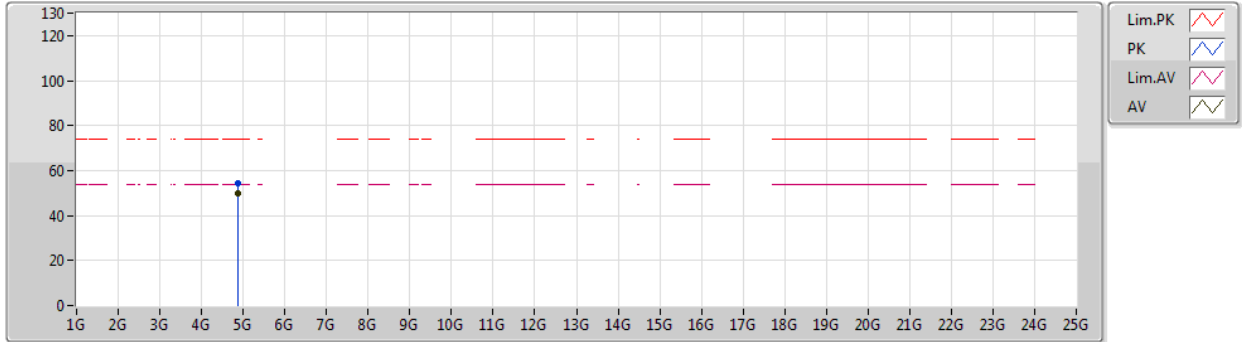
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AV	2.3858G	47.89	54.00	-6.11	34.99	3	Horizontal	10	1.11	-	12.90	27.66	7.33	-
AV	2.4338G	100.92	Inf	-Inf	34.92	3	Horizontal	10	1.11	-	66.00	27.57	7.35	-
AV	2.4978G	48.12	54.00	-5.88	34.87	3	Horizontal	10	1.11	-	13.25	27.50	7.37	-
PK	2.3406G	60.36	74.00	-13.64	35.18	3	Horizontal	10	1.11	-	25.18	27.84	7.34	-
PK	2.4322G	112.45	Inf	-Inf	34.92	3	Horizontal	10	1.11	-	77.53	27.57	7.35	-
PK	2.4982G	60.47	74.00	-13.53	34.87	3	Horizontal	10	1.11	-	25.60	27.50	7.37	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2437MHz_TX



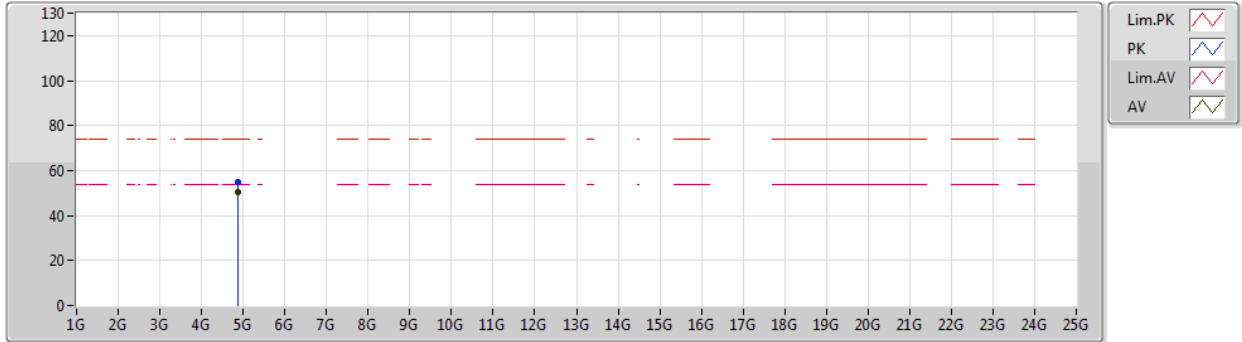
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AV	4.87397G	50.00	54.00	-4.00	7.03	3	Vertical	173	1.98	-	42.97	31.10	9.98	34.05
PK	4.87405G	54.43	74.00	-19.57	7.03	3	Vertical	173	1.98	-	47.40	31.10	9.98	34.05



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2437MHz_TX



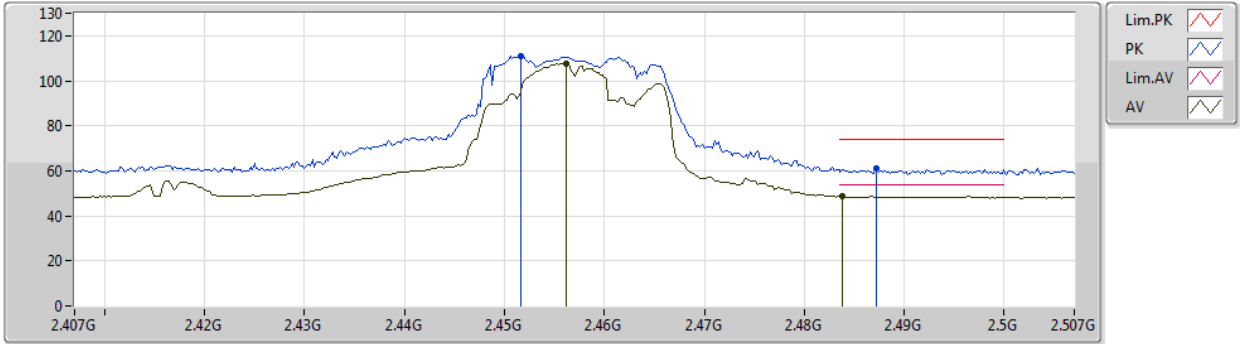
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AV	4.87397G	50.17	54.00	-3.83	7.03	3	Horizontal	206	2.67	-	43.14	31.10	9.98	34.05
PK	4.87405G	54.79	74.00	-19.21	7.03	3	Horizontal	206	2.67	-	47.76	31.10	9.98	34.05



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2457MHz_TX



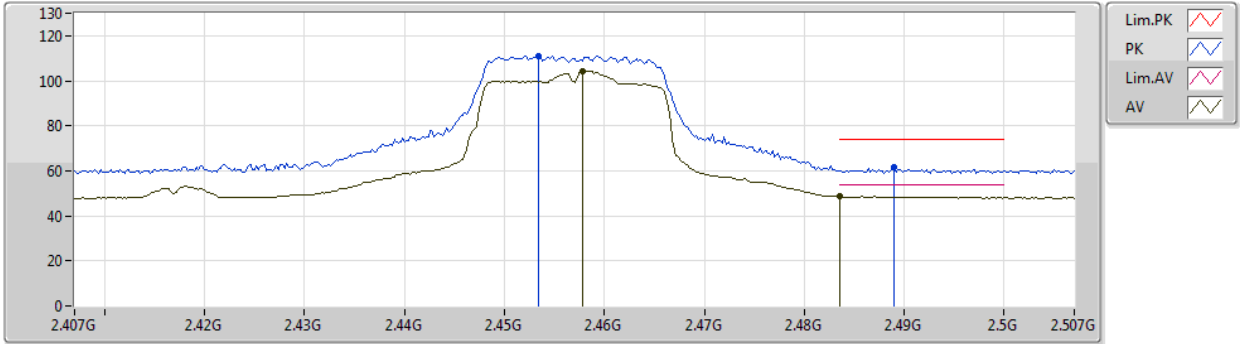
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AV	2.4562G	107.79	Inf	-Inf	34.90	3	Vertical	8	2.40	-	72.89	27.54	7.36	-
AV	2.4838G	48.59	54.00	-5.41	34.89	3	Vertical	8	2.40	-	13.70	27.52	7.37	-
PK	2.4516G	111.14	Inf	-Inf	34.90	3	Vertical	8	2.40	-	76.24	27.55	7.35	-
PK	2.4872G	60.84	74.00	-13.16	34.88	3	Vertical	8	2.40	-	25.96	27.51	7.37	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2457MHz_TX



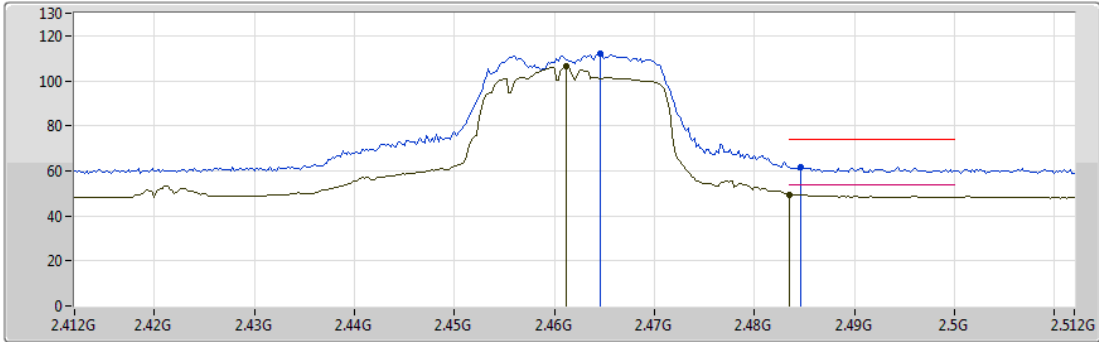
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AV	2.4578G	104.35	Inf	-Inf	34.90	3	Horizontal	346	1.00	-	69.45	27.54	7.36	-
AV	2.4836G	48.56	54.00	-5.44	34.89	3	Horizontal	346	1.00	-	13.67	27.52	7.37	-
PK	2.4534G	111.09	Inf	-Inf	34.90	3	Horizontal	346	1.00	-	76.19	27.55	7.35	-
PK	2.489G	61.64	74.00	-12.36	34.88	3	Horizontal	346	1.00	-	26.76	27.51	7.37	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2462MHz_TX



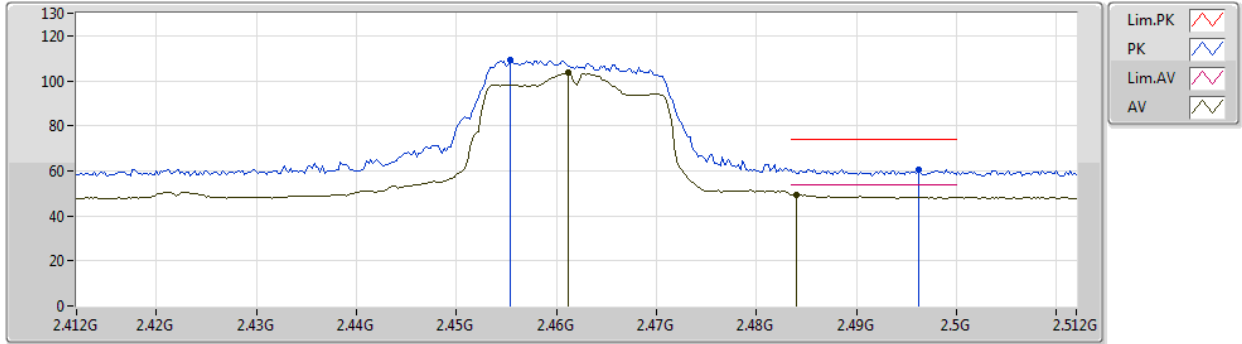
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AV	2.4612G	106.55	Inf	-Inf	34.90	3	Vertical	360	2.95	-	71.65	27.54	7.36	-
AV	2.4835G	49.59	54.00	-4.41	34.89	3	Vertical	360	2.95	-	14.70	27.52	7.37	-
PK	2.4646G	112.13	Inf	-Inf	34.90	3	Vertical	360	2.95	-	77.23	27.54	7.36	-
PK	2.4846G	61.86	74.00	-12.14	34.89	3	Vertical	360	2.95	-	26.97	27.52	7.37	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2462MHz_TX



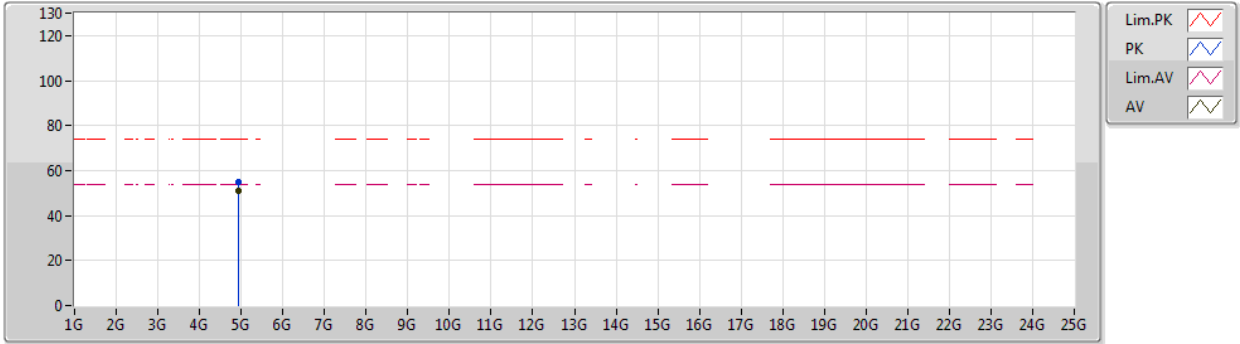
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AV	2.4612G	103.42	Inf	-Inf	34.90	3	Horizontal	338	1.00	-	68.52	27.54	7.36	-
AV	2.484G	49.53	54.00	-4.47	34.89	3	Horizontal	338	1.00	-	14.64	27.52	7.37	-
PK	2.4554G	109.17	Inf	-Inf	34.90	3	Horizontal	338	1.00	-	74.27	27.54	7.36	-
PK	2.4962G	60.77	74.00	-13.23	34.87	3	Horizontal	338	1.00	-	25.90	27.50	7.37	-



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2462MHz_TX



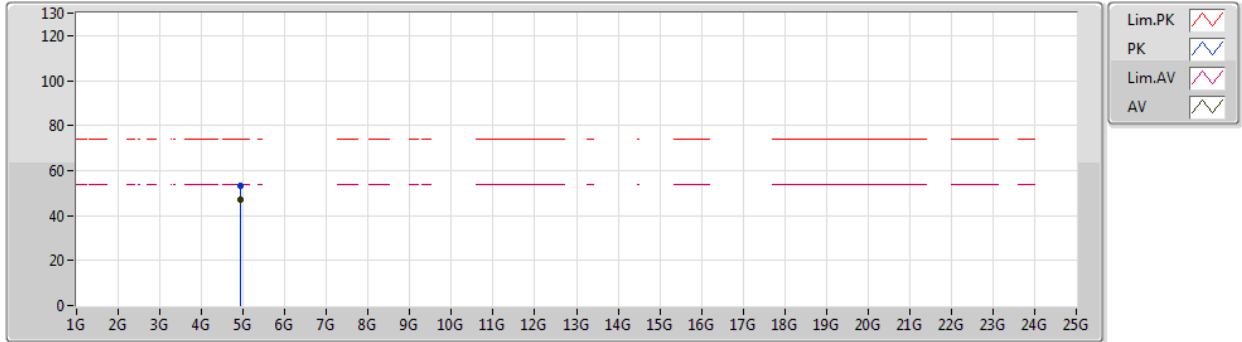
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92398G	50.89	54.00	-3.11	7.17	3	Vertical	282	1.00	-	43.72	31.20	10.02	34.05
PK	4.92392G	55.14	74.00	-18.86	7.17	3	Vertical	282	1.00	-	47.97	31.20	10.02	34.05



VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

2462MHz_TX

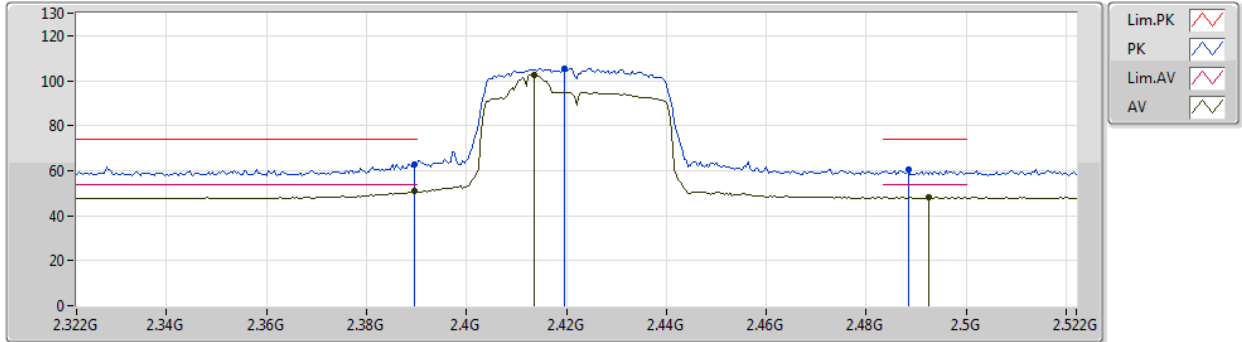


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92399G	47.06	54.00	-6.94	7.17	3	Horizontal	205	2.88	-	39.89	31.20	10.02	34.05
PK	4.92406G	52.97	74.00	-21.03	7.17	3	Horizontal	205	2.88	-	45.80	31.20	10.02	34.05

VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2422MHz_TX

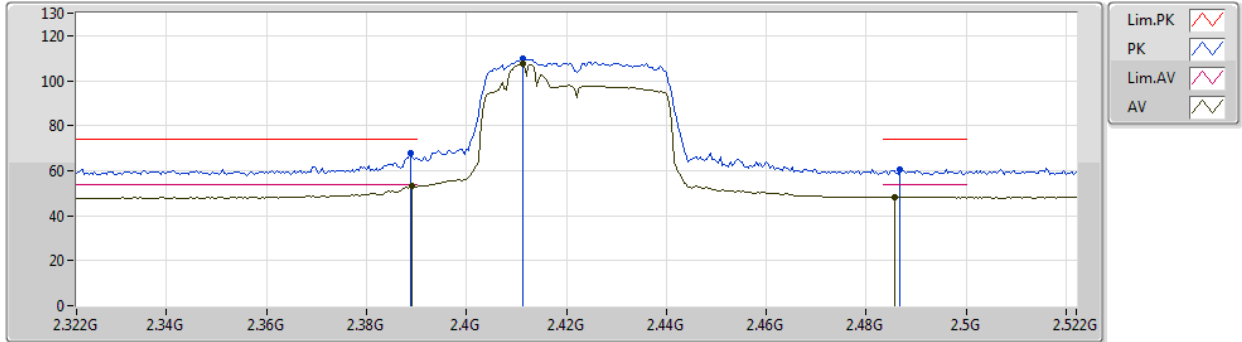


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	51.16	54.00	-2.84	34.97	3	Vertical	270	1.49	-	16.19	27.64	7.33	-
AV	2.4136G	102.69	Inf	-Inf	34.93	3	Vertical	270	1.49	-	67.76	27.59	7.34	-
AV	2.4924G	48.11	54.00	-5.89	34.88	3	Vertical	270	1.49	-	13.23	27.51	7.37	-
PK	2.3896G	62.92	74.00	-11.08	34.97	3	Vertical	270	1.49	-	27.95	27.64	7.33	-
PK	2.4196G	105.54	Inf	-Inf	34.92	3	Vertical	270	1.49	-	70.62	27.58	7.34	-
PK	2.4884G	60.27	74.00	-13.73	34.88	3	Vertical	270	1.49	-	25.39	27.51	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX
2422MHz_TX

14/09/2019



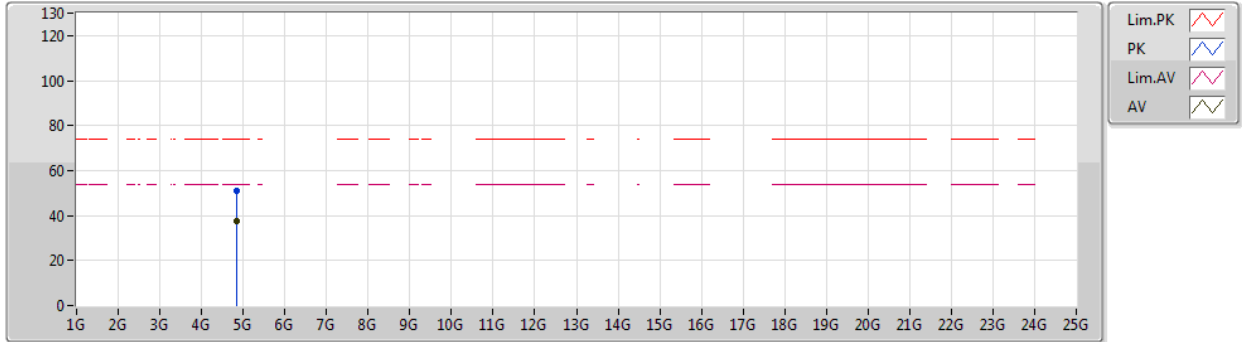
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	53.24	54.00	-0.76	34.97	3	Horizontal	7	1.01	-	18.27	27.64	7.33	-
AV	2.4112G	107.57	Inf	-Inf	34.93	3	Horizontal	7	1.01	-	72.64	27.59	7.34	-
AV	2.4856G	48.41	54.00	-5.59	34.88	3	Horizontal	7	1.01	-	13.53	27.51	7.37	-
PK	2.3888G	67.83	74.00	-6.17	34.97	3	Horizontal	7	1.01	-	32.86	27.64	7.33	-
PK	2.4112G	109.81	Inf	-Inf	34.93	3	Horizontal	7	1.01	-	74.88	27.59	7.34	-
PK	2.4868G	60.77	74.00	-13.23	34.88	3	Horizontal	7	1.01	-	25.89	27.51	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2422MHz_TX



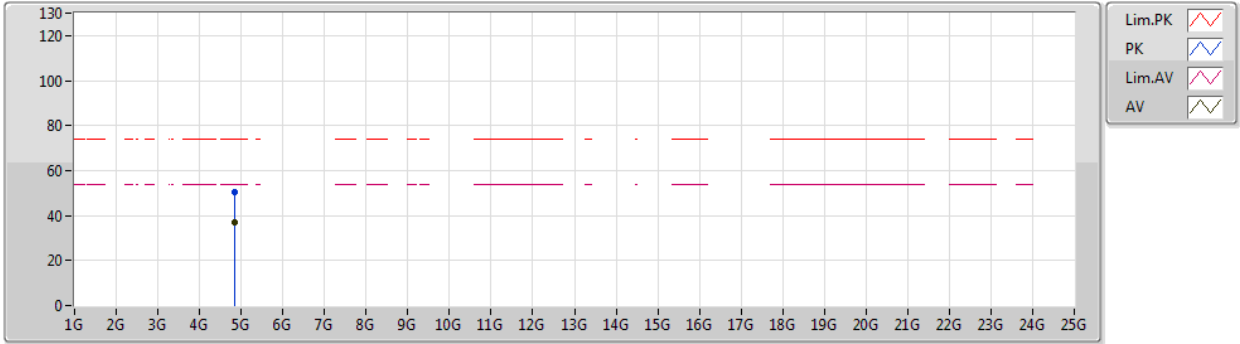
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84402G	37.62	54.00	-16.38	7.00	3	Vertical	302	1.00	-	30.62	31.10	9.95	34.05
PK	4.84403G	51.23	74.00	-22.77	7.00	3	Vertical	302	1.00	-	44.23	31.10	9.95	34.05



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2422MHz_TX

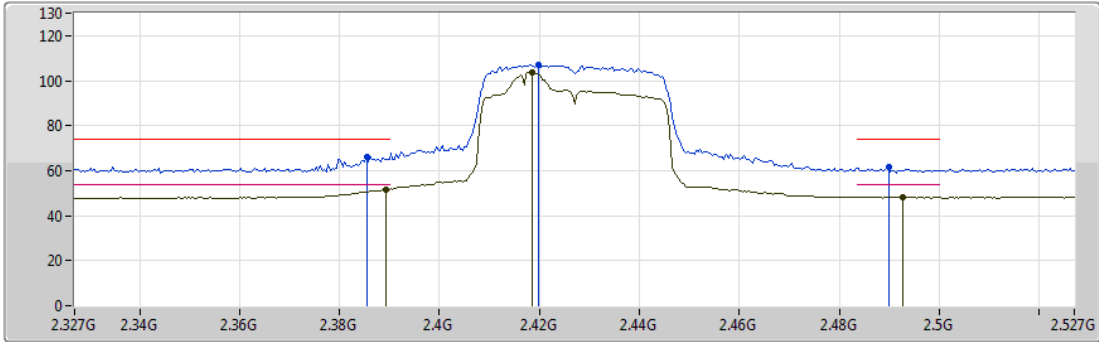


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84396G	36.93	54.00	-17.07	7.00	3	Horizontal	348	1.03	-	29.93	31.10	9.95	34.05
PK	4.84403G	50.28	74.00	-23.72	7.00	3	Horizontal	348	1.03	-	43.28	31.10	9.95	34.05



VHT40-BF_Nss1,(MCS0)_2TX
2427MHz_TX

14/09/2019

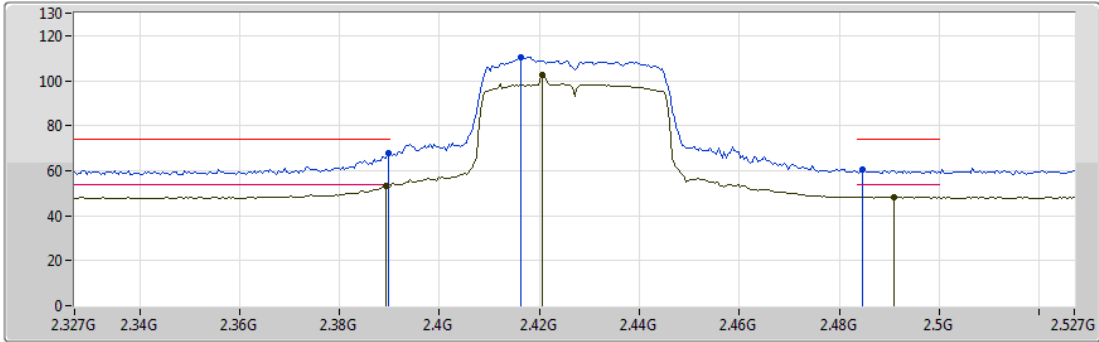


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	51.78	54.00	-2.22	34.97	3	Vertical	269	1.50	-	16.81	27.64	7.33	-
AV	2.4186G	103.69	Inf	-Inf	34.92	3	Vertical	269	1.50	-	68.77	27.58	7.34	-
AV	2.4926G	48.33	54.00	-5.67	34.88	3	Vertical	269	1.50	-	13.45	27.51	7.37	-
PK	2.3854G	66.35	74.00	-7.65	34.99	3	Vertical	269	1.50	-	31.36	27.66	7.33	-
PK	2.4198G	106.98	Inf	-Inf	34.92	3	Vertical	269	1.50	-	72.06	27.58	7.34	-
PK	2.4898G	61.58	74.00	-12.42	34.88	3	Vertical	269	1.50	-	26.70	27.51	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX
2427MHz_TX

14/09/2019



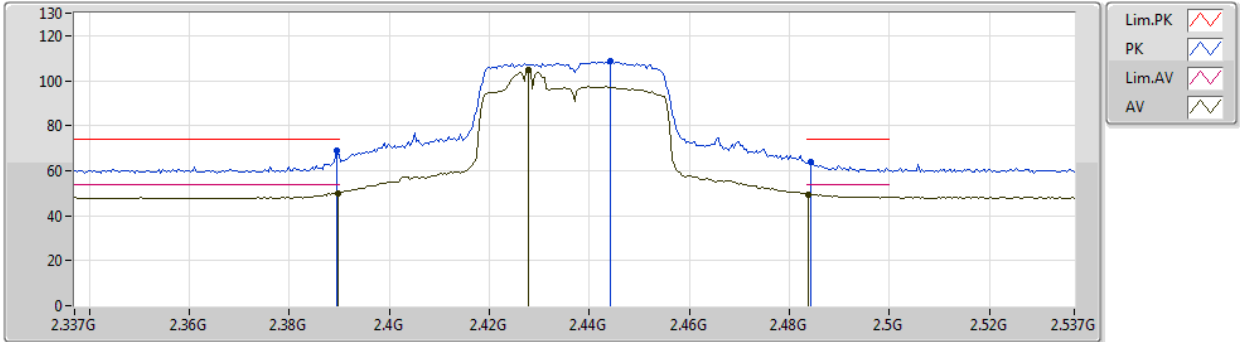
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	53.30	54.00	-0.70	34.97	3	Horizontal	9	1.00	-	18.33	27.64	7.33	-
AV	2.4206G	102.39	Inf	-Inf	34.92	3	Horizontal	9	1.00	-	67.47	27.58	7.34	-
AV	2.491G	48.42	54.00	-5.58	34.88	3	Horizontal	9	1.00	-	13.54	27.51	7.37	-
PK	2.3898G	67.68	74.00	-6.32	34.97	3	Horizontal	9	1.00	-	32.71	27.64	7.33	-
PK	2.4162G	110.40	Inf	-Inf	34.92	3	Horizontal	9	1.00	-	75.48	27.58	7.34	-
PK	2.4846G	60.58	74.00	-13.42	34.89	3	Horizontal	9	1.00	-	25.69	27.52	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2437MHz_TX

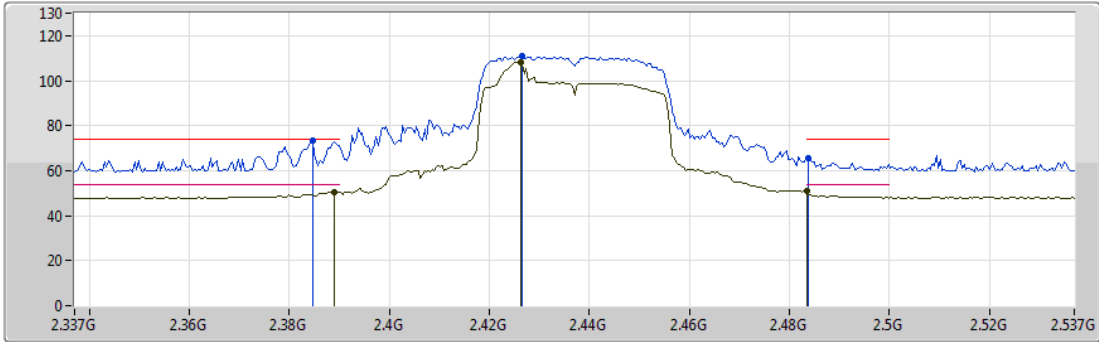


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.05	54.00	-3.95	34.97	3	Vertical	269	1.00	-	15.08	27.64	7.33	-
AV	2.4278G	104.98	Inf	-Inf	34.91	3	Vertical	269	1.00	-	70.07	27.57	7.34	-
AV	2.4838G	49.51	54.00	-4.49	34.89	3	Vertical	269	1.00	-	14.62	27.52	7.37	-
PK	2.3894G	68.71	74.00	-5.29	34.97	3	Vertical	269	1.00	-	33.74	27.64	7.33	-
PK	2.4442G	108.52	Inf	-Inf	34.91	3	Vertical	269	1.00	-	73.61	27.56	7.35	-
PK	2.4842G	63.85	74.00	-10.15	34.89	3	Vertical	269	1.00	-	28.96	27.52	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX
2437MHz_TX

14/09/2019



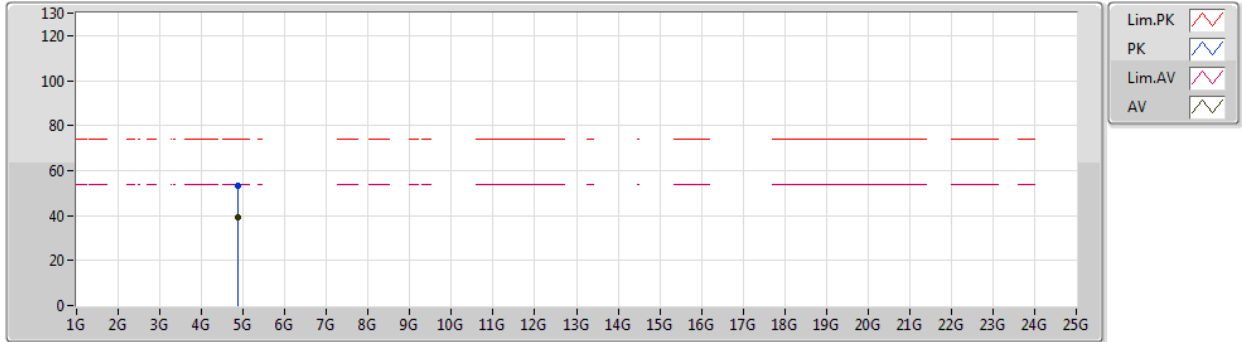
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	50.70	54.00	-3.30	34.97	3	Horizontal	5	1.00	-	15.73	27.64	7.33	-
AV	2.426G	108.36	Inf	-Inf	34.91	3	Horizontal	5	1.00	-	73.45	27.57	7.34	-
AV	2.483G	51.03	54.00	-2.97	34.89	3	Horizontal	5	1.00	-	16.14	27.52	7.37	-
PK	2.3846G	73.15	74.00	-0.85	34.99	3	Horizontal	5	1.00	-	38.16	27.66	7.33	-
PK	2.4266G	110.73	Inf	-Inf	34.91	3	Horizontal	5	1.00	-	75.82	27.57	7.34	-
PK	2.4838G	65.83	74.00	-8.17	34.89	3	Horizontal	5	1.00	-	30.94	27.52	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2437MHz_TX



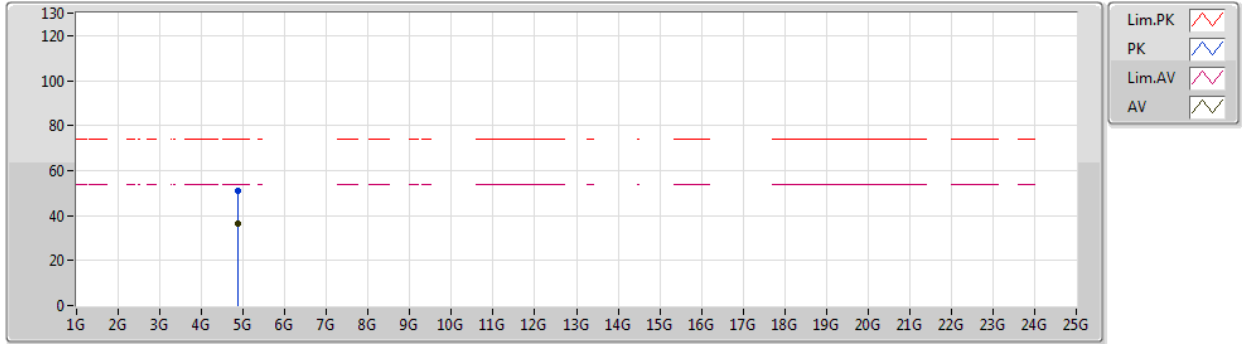
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87401G	39.23	54.00	-14.77	7.03	3	Vertical	207	3.00	-	32.20	31.10	9.98	34.05
PK	4.87399G	53.29	74.00	-20.71	7.03	3	Vertical	207	3.00	-	46.26	31.10	9.98	34.05



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2437MHz_TX

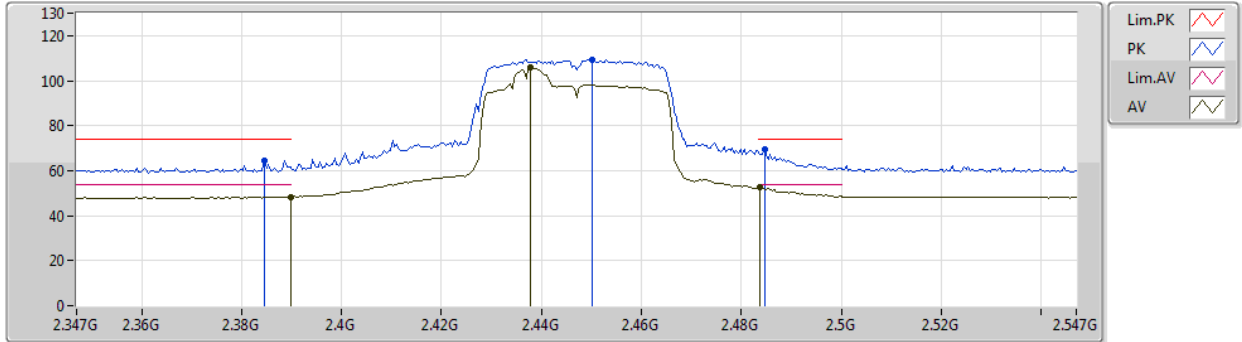


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87401G	36.41	54.00	-17.59	7.03	3	Horizontal	153	1.50	-	29.38	31.10	9.98	34.05
PK	4.874G	51.13	74.00	-22.87	7.03	3	Horizontal	153	1.50	-	44.10	31.10	9.98	34.05

VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2447MHz_TX



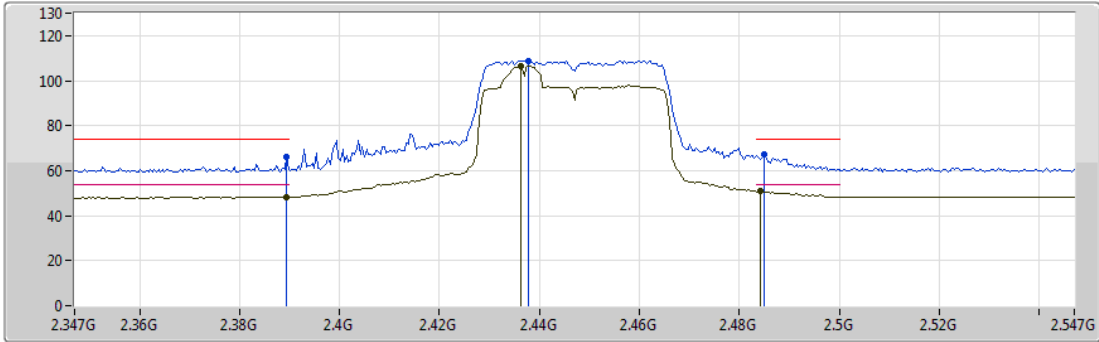
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	48.45	54.00	-5.55	34.97	3	Vertical	303	2.94	-	13.48	27.64	7.33	-
AV	2.4378G	105.96	Inf	-Inf	34.91	3	Vertical	303	2.94	-	71.05	27.56	7.35	-
AV	2.4838G	52.60	54.00	-1.40	34.89	3	Vertical	303	2.94	-	17.71	27.52	7.37	-
PK	2.3846G	64.46	74.00	-9.54	34.99	3	Vertical	303	2.94	-	29.47	27.66	7.33	-
PK	2.4502G	109.34	Inf	-Inf	34.90	3	Vertical	303	2.94	-	74.44	27.55	7.35	-
PK	2.4846G	69.70	74.00	-4.30	34.89	3	Vertical	303	2.94	-	34.81	27.52	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2447MHz_TX



Legend for the spectrum plot:

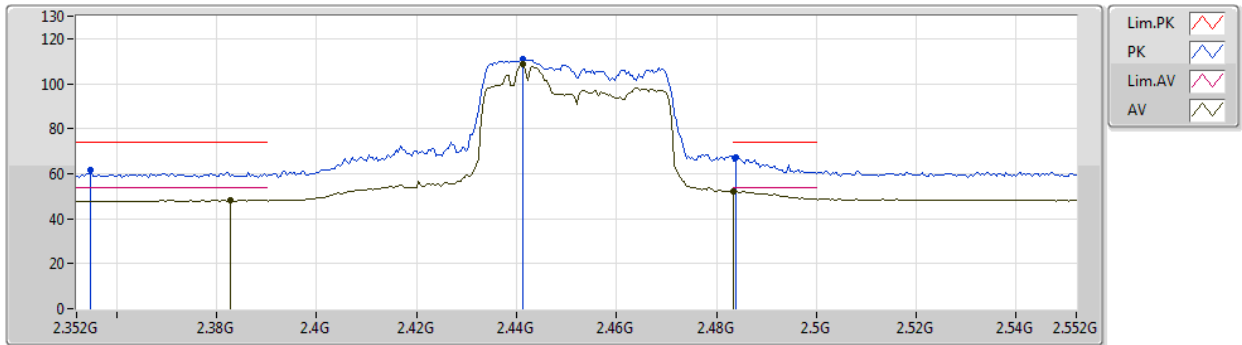
- Lim.PK (Red line with triangle)
- PK (Blue line with triangle)
- Lim.AV (Red line with square)
- AV (Blue line with square)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	48.31	54.00	-5.69	34.97	3	Horizontal	12	1.00	-	13.34	27.64	7.33	-
AV	2.4362G	106.65	Inf	-Inf	34.91	3	Horizontal	12	1.00	-	71.74	27.56	7.35	-
AV	2.4842G	50.74	54.00	-3.26	34.89	3	Horizontal	12	1.00	-	15.85	27.52	7.37	-
PK	2.3894G	65.90	74.00	-8.10	34.97	3	Horizontal	12	1.00	-	30.93	27.64	7.33	-
PK	2.4378G	108.84	Inf	-Inf	34.91	3	Horizontal	12	1.00	-	73.93	27.56	7.35	-
PK	2.485G	67.49	74.00	-6.51	34.89	3	Horizontal	12	1.00	-	32.60	27.52	7.37	-

VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2452MHz_TX



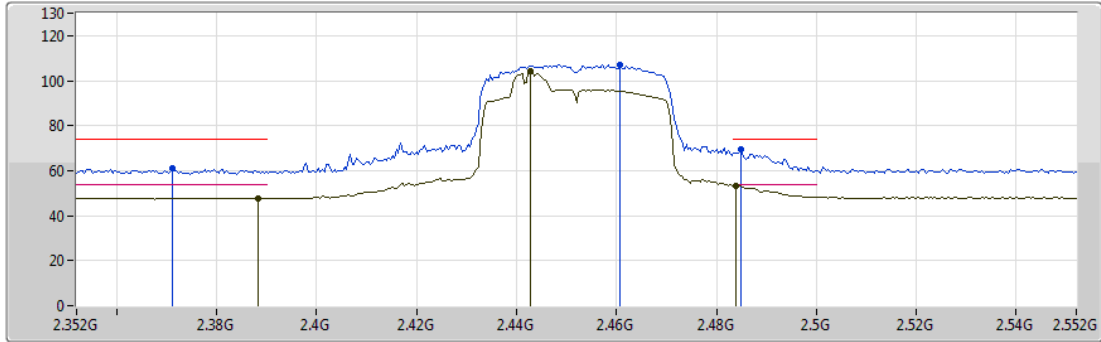
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3828G	48.16	54.00	-5.84	35.00	3	Vertical	23	3.00	-	13.16	27.67	7.33	-
AV	2.4412G	108.49	Inf	-Inf	34.91	3	Vertical	23	3.00	-	73.58	27.56	7.35	-
AV	2.4835G	52.11	54.00	-1.89	34.89	3	Vertical	23	3.00	-	17.22	27.52	7.37	-
PK	2.3548G	61.47	74.00	-12.53	35.12	3	Vertical	23	3.00	-	26.35	27.78	7.34	-
PK	2.4412G	110.98	Inf	-Inf	34.91	3	Vertical	23	3.00	-	76.07	27.56	7.35	-
PK	2.484G	67.22	74.00	-6.78	34.89	3	Vertical	23	3.00	-	32.33	27.52	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2452MHz_TX



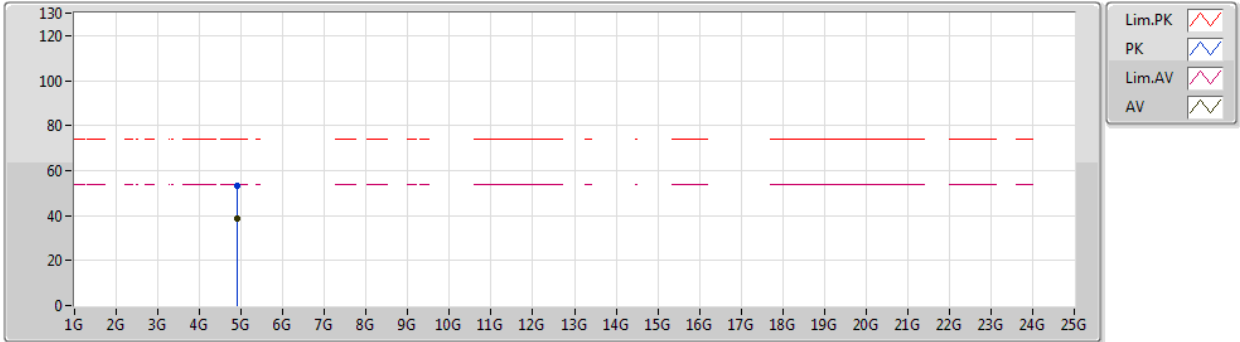
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3884G	47.81	54.00	-6.19	34.98	3	Horizontal	338	1.00	-	12.83	27.65	7.33	-
AV	2.4428G	104.17	Inf	-Inf	34.91	3	Horizontal	338	1.00	-	69.26	27.56	7.35	-
AV	2.484G	53.40	54.00	-0.60	34.89	3	Horizontal	338	1.00	-	18.51	27.52	7.37	-
PK	2.3712G	60.91	74.00	-13.09	35.06	3	Horizontal	338	1.00	-	25.85	27.72	7.34	-
PK	2.4608G	107.10	Inf	-Inf	34.90	3	Horizontal	338	1.00	-	72.20	27.54	7.36	-
PK	2.4848G	69.35	74.00	-4.65	34.89	3	Horizontal	338	1.00	-	34.46	27.52	7.37	-



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2452MHz_TX



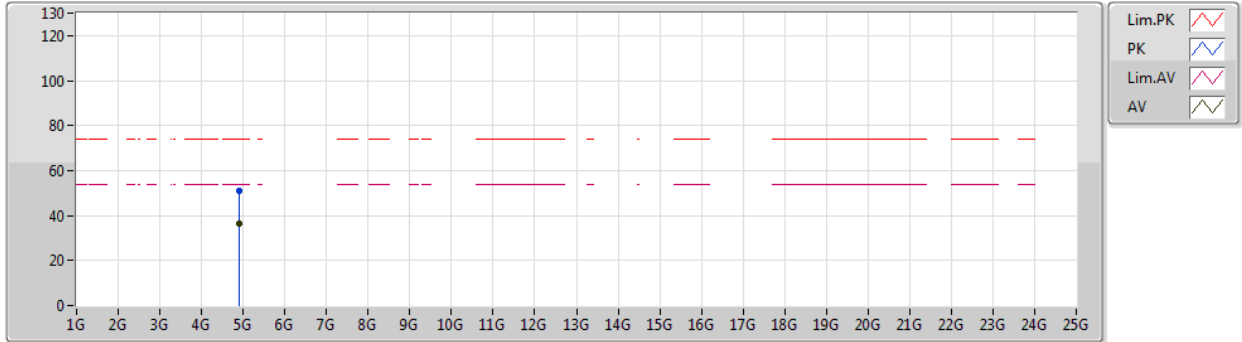
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9039G	38.93	54.00	-15.07	7.07	3	Vertical	286	2.37	-	31.86	31.12	10.00	34.05
PK	4.90404G	53.08	74.00	-20.92	7.07	3	Vertical	286	2.37	-	46.01	31.12	10.00	34.05



VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.904G	36.59	54.00	-17.41	7.07	3	Horizontal	206	2.88	-	29.52	31.12	10.00	34.05
PK	4.90388G	50.78	74.00	-23.22	7.07	3	Horizontal	206	2.88	-	43.71	31.12	10.00	34.05



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	AV	11.05349G	41.49	54.00	-12.51	16.23	Vertical

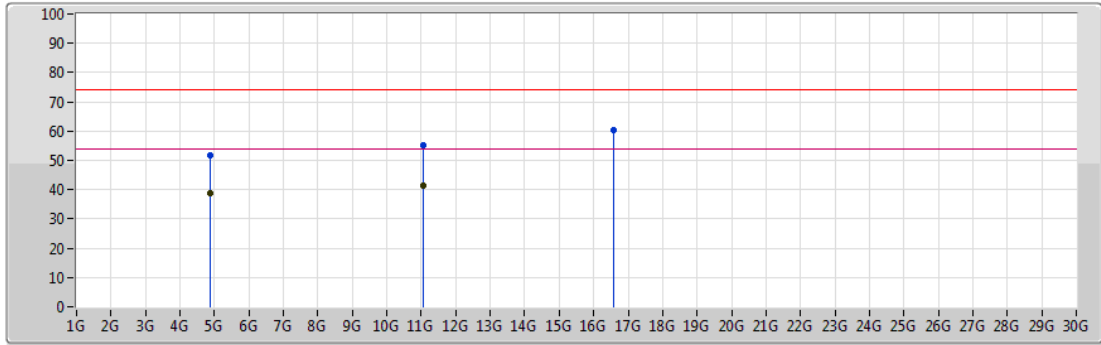
Mode Configure

Mode	Configure
Mode 1	2.4G+5G B1/B2



Mode 1

18/09/2019



Legend for the graph:

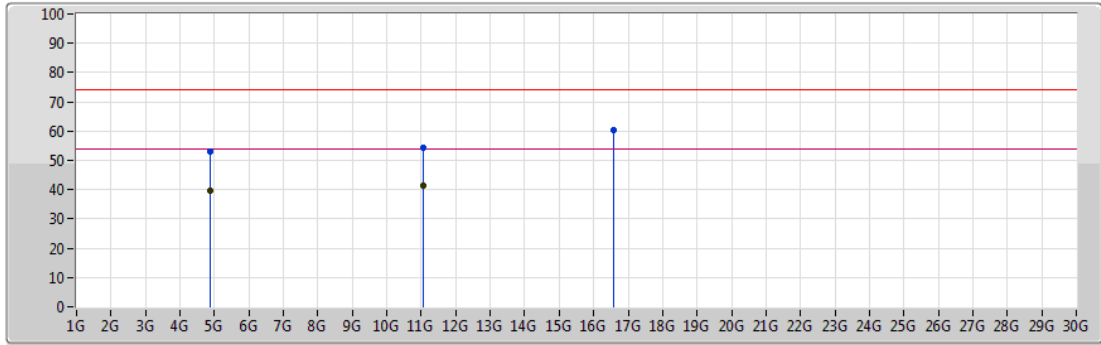
- Lim.PK (Red line with triangle markers)
- PK (Blue line with triangle markers)
- Lim.AV (Pink line with triangle markers)
- AV (Black line with triangle markers)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87366G	38.66	54.00	-15.34	3.81	3	Vertical	236	1.80	-	34.85	31.47	6.81	34.47
AV	11.05349G	41.49	54.00	-12.51	16.23	3	Vertical	23	1.48	-	25.26	40.14	10.47	34.38
PK	4.87326G	51.87	74.00	-22.13	3.81	3	Vertical	236	1.80	-	48.06	31.47	6.81	34.47
PK	11.05561G	55.24	74.00	-18.76	16.21	3	Vertical	23	1.48	-	39.03	40.13	10.47	34.39
PK	16.58261G	60.29	74.00	-13.71	18.23	3	Vertical	112	1.52	-	42.06	38.79	13.72	34.28



Mode 1

18/09/2019



Legend for the graph:

- Lim.PK (Red line with triangle markers)
- PK (Blue line with triangle markers)
- Lim.AV (Pink line with triangle markers)
- AV (Black line with triangle markers)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87366G	39.86	54.00	-14.14	3.81	3	Horizontal	123	1.35	-	36.05	31.47	6.81	34.47
AV	11.05698G	41.34	54.00	-12.66	16.21	3	Horizontal	336	1.26	-	25.13	40.13	10.47	34.39
PK	4.87326G	53.16	74.00	-20.84	3.81	3	Horizontal	123	1.35	-	49.35	31.47	6.81	34.47
PK	11.06231G	54.33	74.00	-19.67	16.21	3	Horizontal	336	1.26	-	38.12	40.13	10.47	34.39
PK	16.58864G	60.29	74.00	-13.71	18.26	3	Horizontal	12	2.13	-	42.03	38.81	13.72	34.27