

FCC Test Report

FCC ID : VW3FAST5566
Equipment : Home Hub
Brand Name : BELL CANADA
Model Name : FAST5566
Applicant : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Manufacturer : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 21, 2019, and testing was started from Apr. 30, 2019 and completed on May 13, 2020. 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 test results in this variant 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.)



Table of Contents

HISTORY OF THIS TEST REPORT3

SUMMARY OF TEST RESULT4

1 GENERAL DESCRIPTION5

1.1 Information.....5

1.2 Testing Applied Standards8

1.3 Testing Location Information8

1.4 Measurement Uncertainty8

2 TEST CONFIGURATION OF EUT.....9

2.1 Test Condition9

2.2 The Worst Case Measurement Configuration9

2.3 Accessories10

2.4 Support Equipment.....10

2.5 Test Setup Diagram11

3 TRANSMITTER TEST RESULT12

3.1 Unwanted Emissions12

4 TEST EQUIPMENT AND CALIBRATION DATA.....16

APPENDIX A. TEST RESULTS OF UNWANTED EMISSIONS

APPENDIX B. TEST RESULTS OF RADIATED EMISSION CO-LOCATION

APPENDIX C. TEST PHOTOS

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	15.407(b)	Unwanted Emissions	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: Michelle Tsai



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [8]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [3]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530	106 [1]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Ant. Location	Brand	Part Number	Antenna Type	Connector	Remark
1	Ant 5Q3_2B0	Ethertronics	W3P35x8F04	PIFA	I-Pex	Dual Band Ant.
2	Ant 2B1	Ethertronics	-	PCB	Murata	-
3	Ant 2B2	Ethertronics	-	PCB	Murata	-
4	Ant 5B0_2B3	Ethertronics	W3P35x8F04	PIFA	I-Pex	Dual Band Ant.
5	Ant 5B1	Ethertronics	W2P15x7F04	PIFA	I-Pex	-
6	Ant 5B2	Ethertronics	-	PCB	Murata	-
7	Ant 5B3	Ethertronics	-	PCB	Murata	-
8	Ant 5Q0	Ethertronics	N5x20BA2	PCB	Murata	-
9	Ant 5Q1	Ethertronics	N5x20BA2	PCB	Murata	-
10	Ant 5Q2	Ethertronics	W2P15x7F04	PIFA	I-Pex	-

Ant.	Gain (dBi)				
	2.4G	5G			
		UNII-1	UNII-2A	UNII-2C	UNII-3
1	2.3	-	-	5	5
2	4.9	-	-	-	-
3	4	-	-	-	-
4	2.3	5	5	-	-
5	-	5	5	-	-
6	-	5	5	-	-
7	-	5	5	-	-
8	-	-	-	1.9	1.9
9	-	-	-	3.3	3.3
10	-	-	-	4.1	4.1

Note 1: The EUT has ten antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n mode (4TX/4RX):

Ant. 1, Ant. 2, Ant. 3 and Ant. 4 can be used as transmitting/receiving antenna.

For 5GHz function:

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

Ant. 4, Ant. 5, Ant. 6 and Ant. 7 can be used as transmitting/receiving antenna for UNII-1 and UNII-2A.

Ant. 8, Ant. 9, Ant. 10 and Ant. 1 can be used as transmitting/receiving antenna for UNII-2C and UNII-3.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	<input type="checkbox"/>	Outdoor AP	<input checked="" type="checkbox"/>	Indoor AP
	<input type="checkbox"/>	Fixed P2P AP	<input type="checkbox"/>	Outdoor/Indoor Client
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
TPC Function	<input checked="" type="checkbox"/>	With TPC Function	<input type="checkbox"/>	Without TPC Function
Weather Band	<input type="checkbox"/>	With 5600~5650MHz	<input checked="" type="checkbox"/>	Without 5600~5650MHz
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 Table for Permissive Change

This product is an extension of original one reported under FCC ID: VW3FAST5566

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Antenna 1, 4, 5, and 10 gain were replaced	1.The worst case of radiated emission data above 1GHz for each frequency band was evaluated. 2.Photographs of EUT.

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 789033 D02 v02r01

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

- ◆ 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.		
<input type="checkbox"/>	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL : 886-3-318-0787 FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.		

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH03-HY	Jeff Lin	19.8~25.7°C/51~65%	30/Apr/2020~13/May/2020

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
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests		
Tests Item	Unwanted Emissions	
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.	
Operating Mode > 1GHz	CTX	
1	Adapter Mode	
Orthogonal Planes of EUT	X 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	2.4G + 5G(UNII-1 and UNII-2A)
2	2.4G + 5G(UNII-2C and UNII-3)
Refer to Sporton Test Report No.: FA9N2208-01 for Co-location RF Exposure Evaluation and Appendix B for Radiated Emission Co-location.	

2.3 Accessories

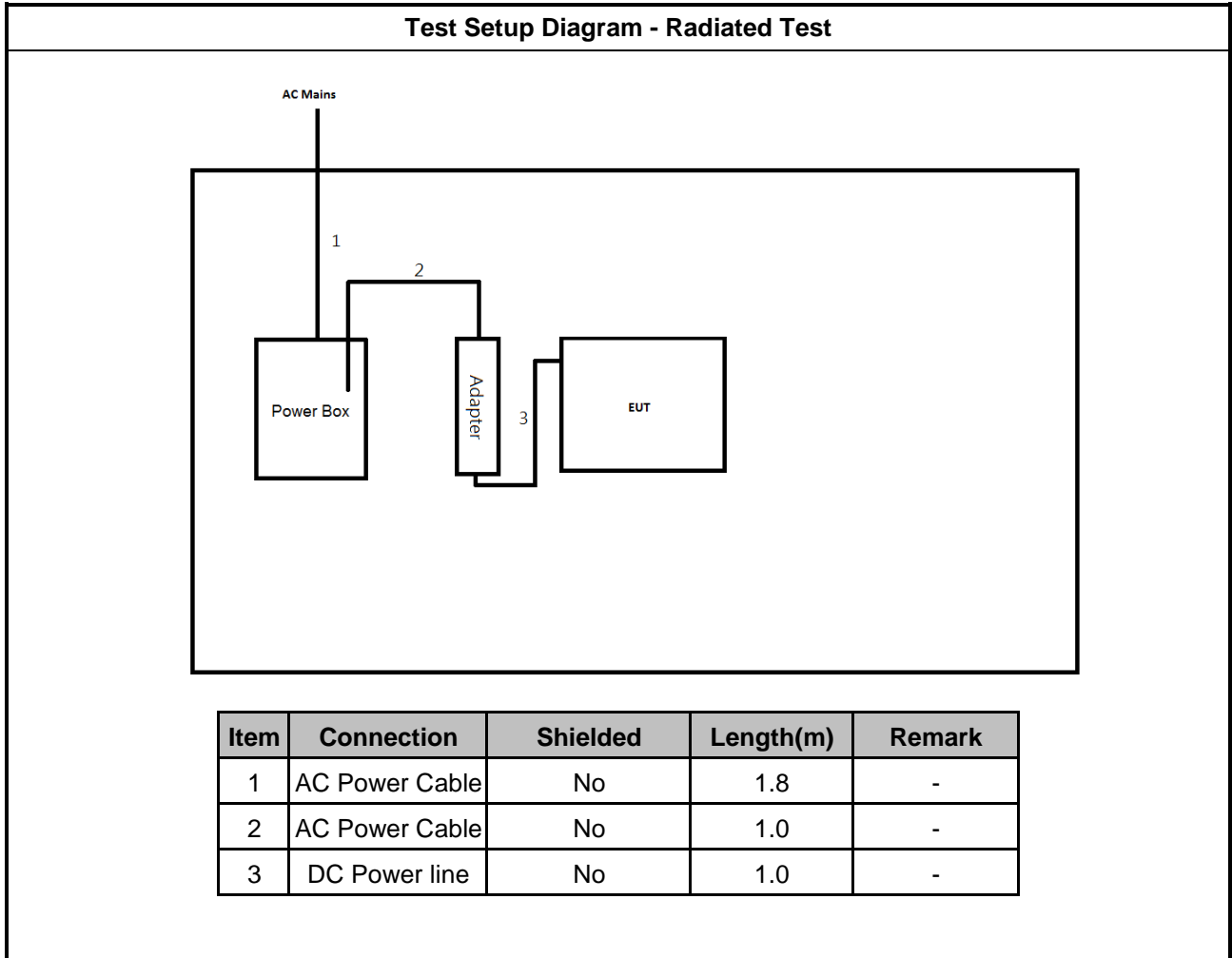
Accessories				
AC Adapter	Brand Name	SAGEMCOM	Model Name	MSA-Z5000IS12.0-60A-P
	Power Rating	I/P: 100-120Vac,1500mA, O/P:12Vdc, 5000mA		
	Power Cord	1.0 meter, non-shielded cable, with w/o ferrite core		
Power Cable	Brand Name	SAGEMCOM	Model Name	MSA-Z5000IS12.0-60A-P
	Power Cord	1.0 meter, non-shielded cable, w/o ferrite core		

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

2.4 Support Equipment

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	SaGeMCOM	MSA-Z5000IS 12.0-60A-P	-	Note 1

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Unwanted Emissions

3.1.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

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

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

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



Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

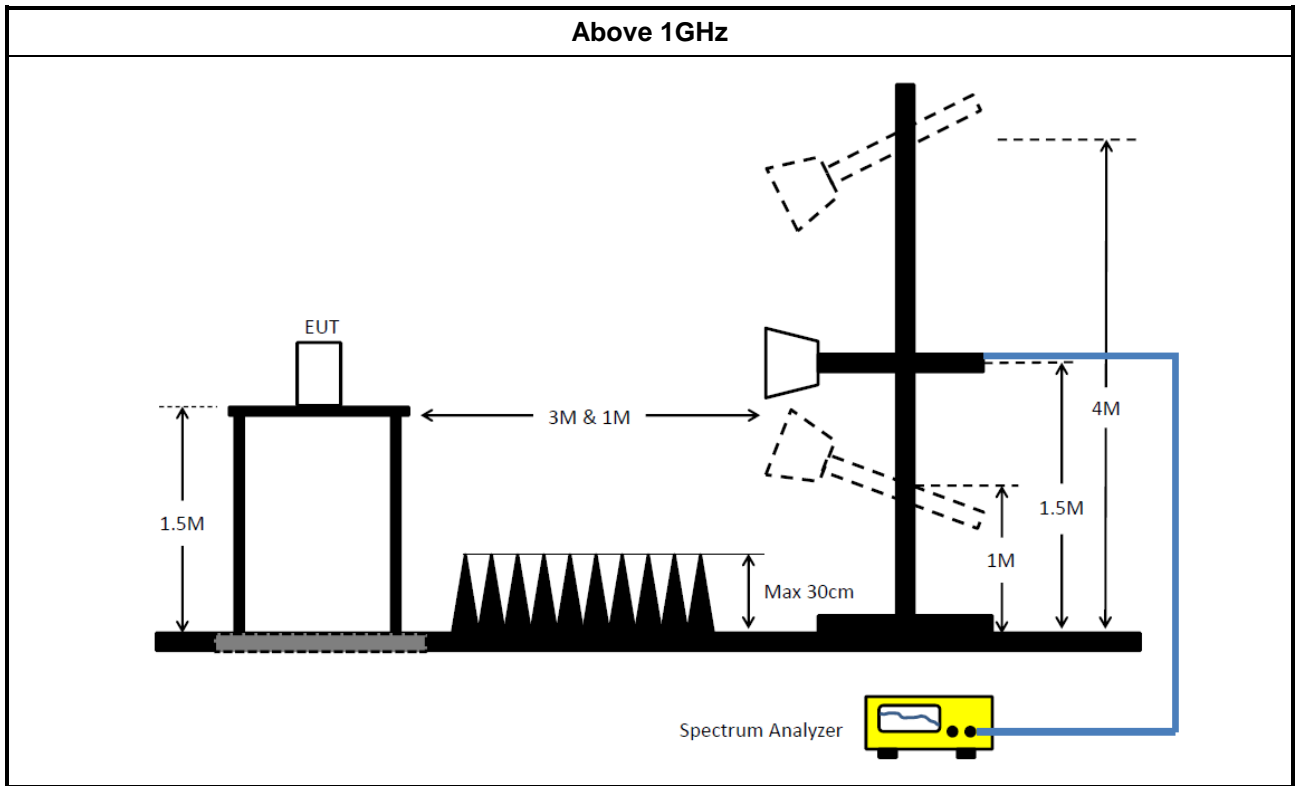
Test Method	
<ul style="list-style-type: none"> ▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). 	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<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 789033, clause G)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	<input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	<input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For radiated measurement. 	
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level. 	
<ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. 	
<ul style="list-style-type: none"> ▪ Use the following spectrum analyzer settings: 	
	<ul style="list-style-type: none"> ▪ Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	<ul style="list-style-type: none"> ▪ Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
<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.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.1.5 Test Setup



3.1.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix A



4 Test Equipment and Calibration Data

Instrument for Radiated Test

Instrument	Manufacturer/ Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	30/Aug/2019	29/Aug/2020
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	09/Sep/2019	08/Sep/2020
Signal Analyzer	R&S	FSP40	100305	9kHz~40GHz	10/Jun/2019	09/Jun/2020
RF CABLE 6m	HUBER+SUHNER	SUOFLEX 104	SN 805801/4	1GHz~40GHz	21/Mar/2019	20/Mar/2020
RF CABLE	HUBER+SUHNER	SUOFLEX 104	SN 804300/4	1GHz~40GHz	17/Jun/2019	16/Jun/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	26/Mar/2020	25/Mar/2021



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.149G	46.54	54.00	-7.46	3	Vertical	75	1.75	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.1112G	44.28	54.00	-9.72	3	Vertical	76	2.21	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	5.7282G	60.97	68.20	-7.23	3	Vertical	276	1.91	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	17.35414G	62.88	68.20	-5.32	3	Horizontal	161	1.50	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-
5785MHz	Pass	AV	5.779G	109.67	Inf	-Inf	3	Vertical	285	1.53	-
5785MHz	Pass	PK	5.6062G	59.93	68.20	-8.27	3	Vertical	285	1.53	-
5785MHz	Pass	PK	5.779G	117.86	Inf	-Inf	3	Vertical	285	1.53	-
5785MHz	Pass	PK	5.959G	60.04	68.20	-8.16	3	Vertical	285	1.53	-
5785MHz	Pass	AV	5.7838G	104.75	Inf	-Inf	3	Horizontal	33	1.50	-
5785MHz	Pass	PK	5.647G	57.54	68.20	-10.66	3	Horizontal	33	1.50	-
5785MHz	Pass	PK	5.7838G	113.35	Inf	-Inf	3	Horizontal	33	1.50	-
5785MHz	Pass	PK	5.9782G	58.32	68.20	-9.88	3	Horizontal	33	1.50	-
5785MHz	Pass	AV	11.5699G	47.41	54.00	-6.59	3	Vertical	162	2.32	-
5785MHz	Pass	PK	11.57188G	59.42	74.00	-14.58	3	Vertical	162	2.32	-
5785MHz	Pass	PK	17.35565G	62.82	68.20	-5.38	3	Vertical	212	1.50	-
5785MHz	Pass	AV	11.56984G	47.78	54.00	-6.22	3	Horizontal	339	1.44	-
5785MHz	Pass	PK	11.57174G	60.30	74.00	-13.70	3	Horizontal	339	1.44	-
5785MHz	Pass	PK	17.35414G	62.88	68.20	-5.32	3	Horizontal	161	1.50	-
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1112G	44.28	54.00	-9.72	3	Vertical	76	2.21	-
5260MHz	Pass	AV	5.2552G	93.83	Inf	-Inf	3	Vertical	76	2.21	-
5260MHz	Pass	AV	5.35G	43.15	54.00	-10.85	3	Vertical	76	2.21	-
5260MHz	Pass	PK	5.1256G	57.80	74.00	-16.20	3	Vertical	76	2.21	-
5260MHz	Pass	PK	5.2552G	105.87	Inf	-Inf	3	Vertical	76	2.21	-
5260MHz	Pass	PK	5.359G	56.21	74.00	-17.79	3	Vertical	76	2.21	-
5260MHz	Pass	AV	5.113G	44.17	54.00	-9.83	3	Horizontal	27	1.30	-
5260MHz	Pass	AV	5.2564G	92.53	Inf	-Inf	3	Horizontal	27	1.30	-
5260MHz	Pass	AV	5.35G	42.71	54.00	-11.29	3	Horizontal	27	1.30	-
5260MHz	Pass	PK	5.1214G	57.50	74.00	-16.50	3	Horizontal	27	1.30	-
5260MHz	Pass	PK	5.2564G	104.56	Inf	-Inf	3	Horizontal	27	1.30	-
5260MHz	Pass	PK	5.3596G	55.54	74.00	-18.46	3	Horizontal	27	1.30	-
5260MHz	Pass	AV	15.78018G	43.07	54.00	-10.93	3	Vertical	157	2.54	-
5260MHz	Pass	PK	10.5189G	56.11	68.20	-12.09	3	Vertical	204	1.50	-
5260MHz	Pass	PK	15.77821G	56.62	74.00	-17.38	3	Vertical	157	2.54	-
5260MHz	Pass	AV	15.77922G	43.03	54.00	-10.97	3	Horizontal	41	1.45	-
5260MHz	Pass	PK	10.521G	55.73	68.20	-12.47	3	Horizontal	290	1.60	-
5260MHz	Pass	PK	15.77987G	57.22	74.00	-16.78	3	Horizontal	41	1.45	-
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5550MHz	Pass	AV	5.4548G	45.01	54.00	-8.99	3	Vertical	282	2.06	-
5550MHz	Pass	AV	5.5532G	101.12	Inf	-Inf	3	Vertical	282	2.06	-
5550MHz	Pass	PK	5.4668G	57.14	68.20	-11.06	3	Vertical	282	2.06	-
5550MHz	Pass	PK	5.5524G	109.65	Inf	-Inf	3	Vertical	282	2.06	-
5550MHz	Pass	AV	5.4556G	44.39	54.00	-9.61	3	Horizontal	327	1.34	-
5550MHz	Pass	AV	5.5516G	97.87	Inf	-Inf	3	Horizontal	327	1.34	-
5550MHz	Pass	PK	5.468G	56.12	68.20	-12.08	3	Horizontal	327	1.34	-
5550MHz	Pass	PK	5.5512G	106.47	Inf	-Inf	3	Horizontal	327	1.34	-
5550MHz	Pass	AV	11.10143G	44.18	54.00	-9.82	3	Vertical	145	1.50	-
5550MHz	Pass	PK	11.09817G	57.18	74.00	-16.82	3	Vertical	145	1.50	-
5550MHz	Pass	PK	16.64842G	58.27	68.20	-9.93	3	Vertical	352	1.18	-
5550MHz	Pass	AV	11.09989G	44.33	54.00	-9.67	3	Horizontal	224	2.88	-
5550MHz	Pass	PK	11.10002G	57.32	74.00	-16.68	3	Horizontal	224	2.88	-

Remark :

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)



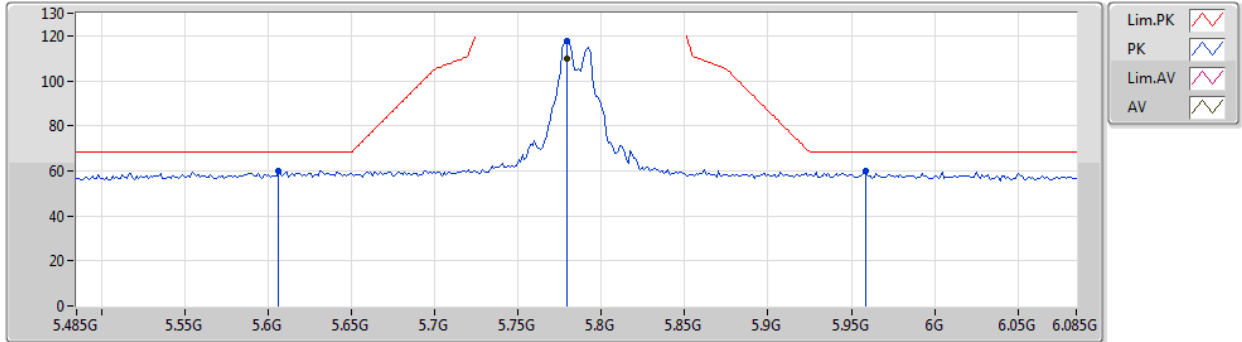
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5550MHz	Pass	PK	16.64921G	58.20	68.20	-10.00	3	Horizontal	268	2.84	-
5670MHz	Pass	AV	5.6568G	102.40	Inf	-Inf	3	Vertical	276	1.91	-
5670MHz	Pass	PK	5.6568G	111.45	Inf	-Inf	3	Vertical	276	1.91	-
5670MHz	Pass	PK	5.7282G	60.97	68.20	-7.23	3	Vertical	276	1.91	-
5670MHz	Pass	AV	5.6682G	99.27	Inf	-Inf	3	Horizontal	241	1.76	-
5670MHz	Pass	PK	5.6688G	107.81	Inf	-Inf	3	Horizontal	241	1.76	-
5670MHz	Pass	PK	5.7834G	58.95	68.20	-9.25	3	Horizontal	241	1.76	-
5670MHz	Pass	AV	11.34139G	43.34	54.00	-10.66	3	Vertical	200	1.50	-
5670MHz	Pass	PK	11.34029G	56.00	74.00	-18.00	3	Vertical	200	1.50	-
5670MHz	Pass	PK	17.0111G	59.20	68.20	-9.00	3	Vertical	205	1.50	-
5670MHz	Pass	AV	11.34012G	43.63	54.00	-10.37	3	Horizontal	223	1.57	-
5670MHz	Pass	PK	11.34113G	56.32	74.00	-17.68	3	Horizontal	223	1.57	-
5670MHz	Pass	PK	17.00859G	59.71	68.20	-8.49	3	Horizontal	92	2.60	-
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149G	46.54	54.00	-7.46	3	Vertical	75	1.75	-
5210MHz	Pass	AV	5.227G	91.04	Inf	-Inf	3	Vertical	75	1.75	-
5210MHz	Pass	AV	5.354G	44.55	54.00	-9.45	3	Vertical	75	1.75	-
5210MHz	Pass	PK	5.13G	57.56	74.00	-16.44	3	Vertical	75	1.75	-
5210MHz	Pass	PK	5.225G	99.91	Inf	-Inf	3	Vertical	75	1.75	-
5210MHz	Pass	PK	5.352G	56.02	74.00	-17.98	3	Vertical	75	1.75	-
5210MHz	Pass	AV	5.103G	46.12	54.00	-7.88	3	Horizontal	29	1.48	-
5210MHz	Pass	AV	5.226G	90.91	Inf	-Inf	3	Horizontal	29	1.48	-
5210MHz	Pass	AV	5.459G	44.75	54.00	-9.25	3	Horizontal	29	1.48	-
5210MHz	Pass	PK	5.145G	57.41	74.00	-16.59	3	Horizontal	29	1.48	-
5210MHz	Pass	PK	5.231G	99.87	Inf	-Inf	3	Horizontal	29	1.48	-
5210MHz	Pass	PK	5.44G	56.01	74.00	-17.99	3	Horizontal	29	1.48	-
5210MHz	Pass	AV	15.62956G	44.89	54.00	-9.11	3	Vertical	353	2.07	-
5210MHz	Pass	PK	10.42103G	55.73	68.20	-12.47	3	Vertical	137	1.50	-
5210MHz	Pass	PK	15.63211G	56.57	74.00	-17.43	3	Vertical	353	2.07	-
5210MHz	Pass	AV	15.6322G	44.70	54.00	-9.30	3	Horizontal	47	2.99	-
5210MHz	Pass	PK	10.42037G	55.33	68.20	-12.87	3	Horizontal	13	2.30	-
5210MHz	Pass	PK	15.63101G	57.20	74.00	-16.80	3	Horizontal	47	2.99	-



802.11a_Nss1,(6Mbps)_4TX

30/04/2020

5785MHz_TX

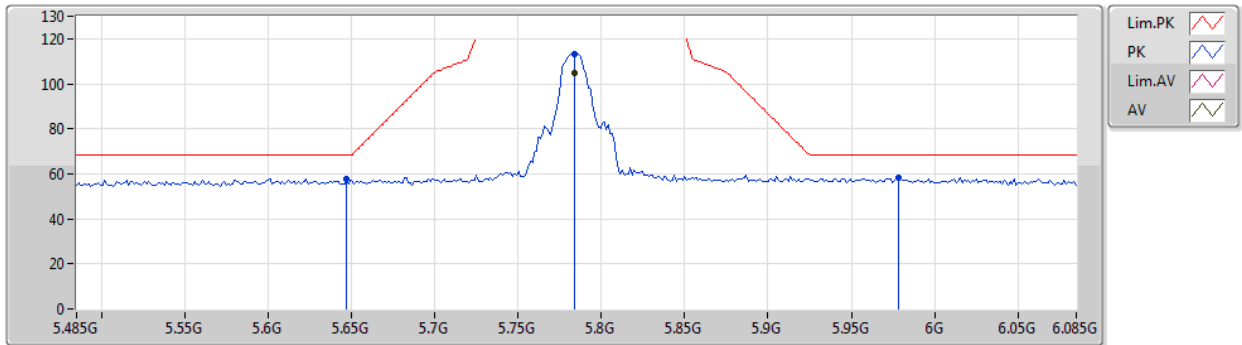


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.779G	109.67	Inf	-Inf	5.85	3	Vertical	285	1.53	-	103.82	32.04	7.89	34.08
PK	5.6062G	59.93	68.20	-8.27	5.34	3	Vertical	285	1.53	-	54.59	31.61	7.80	34.07
PK	5.779G	117.86	Inf	-Inf	5.85	3	Vertical	285	1.53	-	112.01	32.04	7.89	34.08
PK	5.959G	60.04	68.20	-8.16	6.30	3	Vertical	285	1.53	-	53.74	32.40	7.98	34.08

802.11a_Nss1,(6Mbps)_4TX

30/04/2020

5785MHz_TX



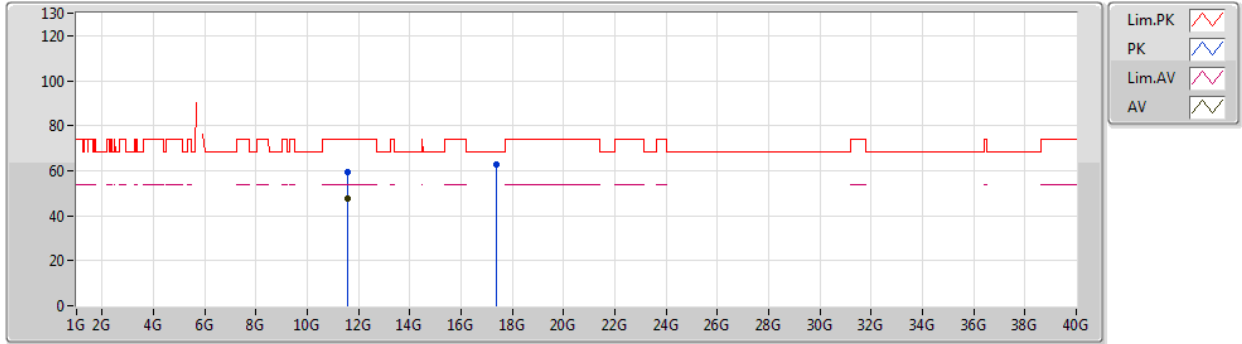
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7838G	104.75	Inf	-Inf	5.86	3	Horizontal	33	1.50	-	98.89	32.05	7.89	34.08
PK	5.647G	57.54	68.20	-10.66	5.44	3	Horizontal	33	1.50	-	52.10	31.69	7.82	34.07
PK	5.7838G	113.35	Inf	-Inf	5.86	3	Horizontal	33	1.50	-	107.49	32.05	7.89	34.08
PK	5.9782G	58.32	68.20	-9.88	6.31	3	Horizontal	33	1.50	-	52.01	32.40	7.99	34.08



802.11a_Nss1,(6Mbps)_4TX

30/04/2020

5785MHz_TX



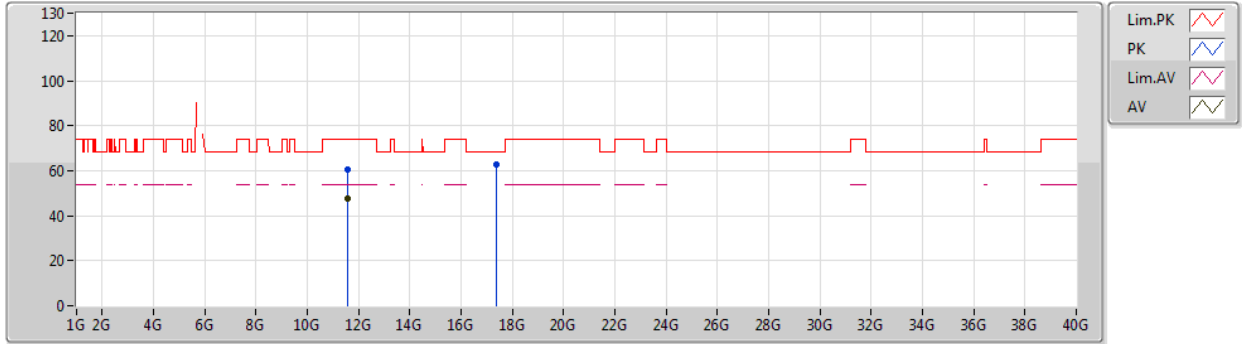
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AV	11.5699G	47.41	54.00	-6.59	15.26	3	Vertical	162	2.32	-	32.15	39.46	9.99	34.19
PK	11.57188G	59.42	74.00	-14.58	15.26	3	Vertical	162	2.32	-	44.16	39.46	9.99	34.19
PK	17.35565G	62.82	68.20	-5.38	20.76	3	Vertical	212	1.50	-	42.06	42.65	11.61	33.50



802.11a_Nss1,(6Mbps)_4TX

30/04/2020

5785MHz_TX

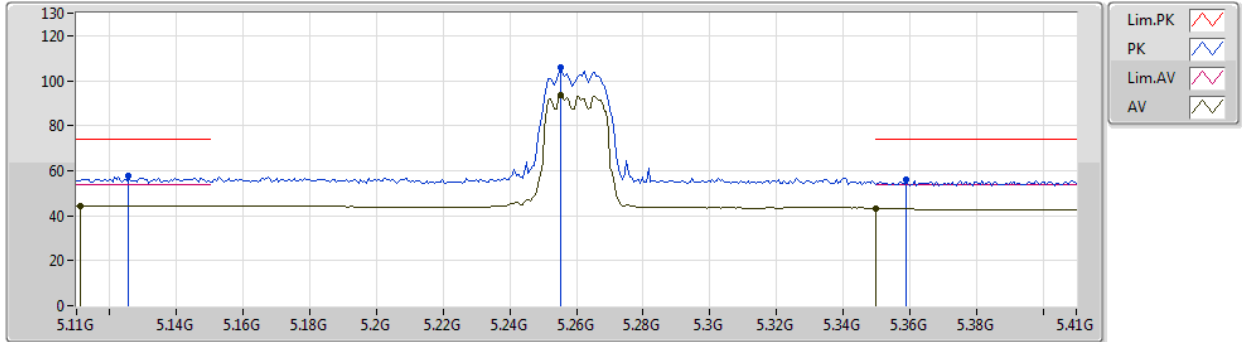


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56984G	47.78	54.00	-6.22	15.26	3	Horizontal	339	1.44	-	32.52	39.46	9.99	34.19
PK	11.57174G	60.30	74.00	-13.70	15.26	3	Horizontal	339	1.44	-	45.04	39.46	9.99	34.19
PK	17.35414G	62.88	68.20	-5.32	20.75	3	Horizontal	161	1.50	-	42.13	42.64	11.61	33.50

802.11ac VHT20_Nss1,(MCS0)_4TX

30/04/2020

5260MHz_TX

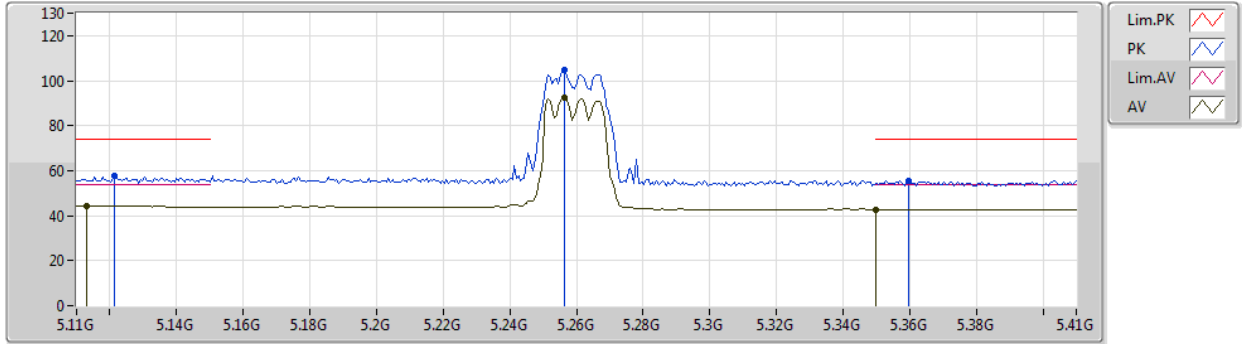


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1112G	44.28	54.00	-9.72	5.47	3	Vertical	76	2.21	-	38.81	31.96	7.56	34.05
AV	5.2552G	93.83	Inf	-Inf	4.95	3	Vertical	76	2.21	-	88.88	31.38	7.63	34.06
AV	5.35G	43.15	54.00	-10.85	4.97	3	Vertical	76	2.21	-	38.18	31.35	7.68	34.06
PK	5.1256G	57.80	74.00	-16.20	5.41	3	Vertical	76	2.21	-	52.39	31.90	7.56	34.05
PK	5.2552G	105.87	Inf	-Inf	4.95	3	Vertical	76	2.21	-	100.92	31.38	7.63	34.06
PK	5.359G	56.21	74.00	-17.79	5.00	3	Vertical	76	2.21	-	51.21	31.38	7.68	34.06

802.11ac VHT20_Nss1,(MCS0)_4TX

30/04/2020

5260MHz_TX

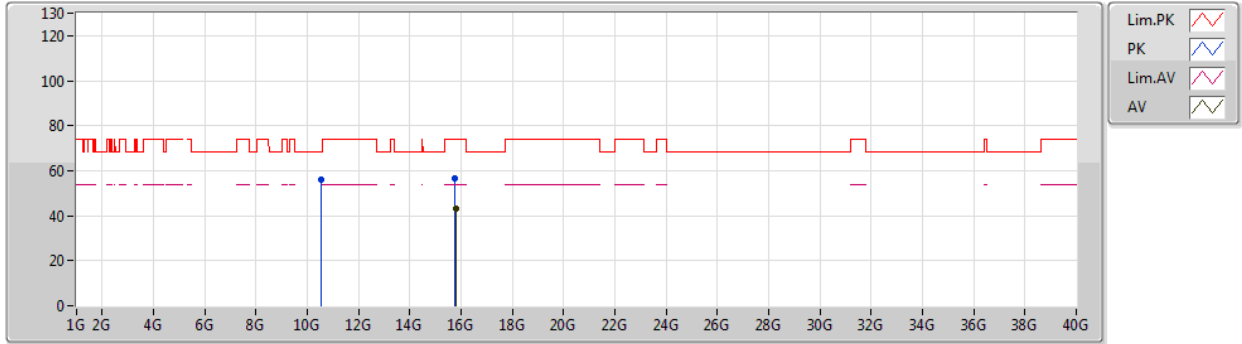


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.113G	44.17	54.00	-9.83	5.46	3	Horizontal	27	1.30	-	38.71	31.95	7.56	34.05
AV	5.2564G	92.53	Inf	-Inf	4.94	3	Horizontal	27	1.30	-	87.59	31.37	7.63	34.06
AV	5.35G	42.71	54.00	-11.29	4.97	3	Horizontal	27	1.30	-	37.74	31.35	7.68	34.06
PK	5.1214G	57.50	74.00	-16.50	5.42	3	Horizontal	27	1.30	-	52.08	31.91	7.56	34.05
PK	5.2564G	104.56	Inf	-Inf	4.94	3	Horizontal	27	1.30	-	99.62	31.37	7.63	34.06
PK	5.3596G	55.54	74.00	-18.46	5.00	3	Horizontal	27	1.30	-	50.54	31.38	7.68	34.06

802.11ac VHT20_Nss1,(MCS0)_4TX

30/04/2020

5260MHz_TX



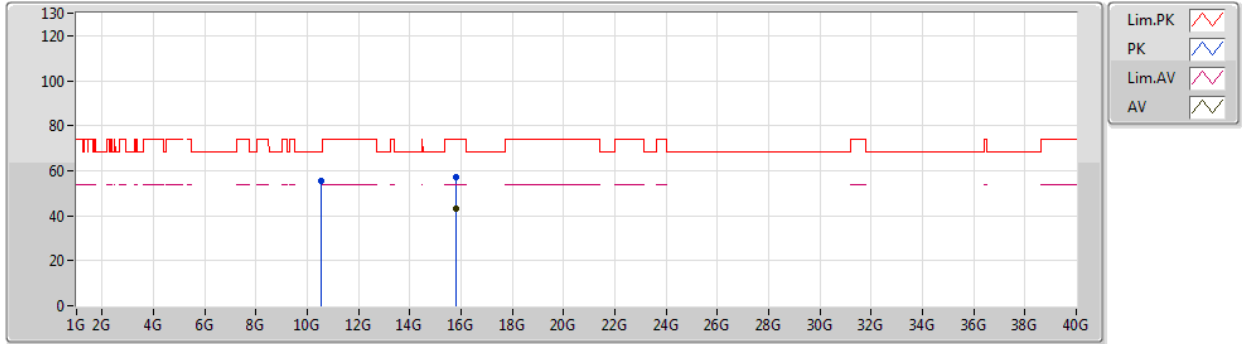
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.78018G	43.07	54.00	-10.93	14.88	3	Vertical	157	2.54	-	28.19	38.18	10.96	34.26
PK	10.5189G	56.11	68.20	-12.09	14.85	3	Vertical	204	1.50	-	41.26	39.57	9.73	34.45
PK	15.77821G	56.62	74.00	-17.38	14.90	3	Vertical	157	2.54	-	41.72	38.19	10.96	34.25



802.11ac VHT20_Nss1,(MCS0)_4TX

30/04/2020

5260MHz_TX

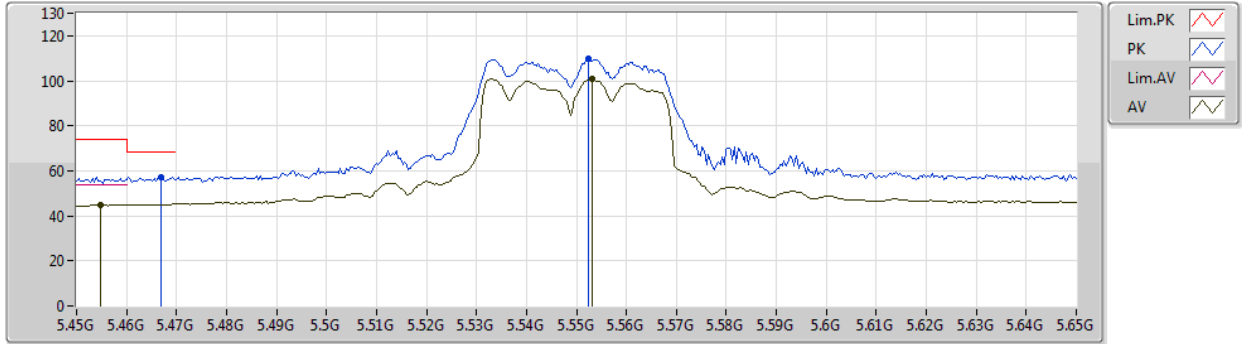


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.77922G	43.03	54.00	-10.97	14.89	3	Horizontal	41	1.45	-	28.14	38.18	10.96	34.25
PK	10.521G	55.73	68.20	-12.47	14.86	3	Horizontal	290	1.60	-	40.87	39.58	9.73	34.45
PK	15.77987G	57.22	74.00	-16.78	14.88	3	Horizontal	41	1.45	-	42.34	38.18	10.96	34.26

802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5550MHz_TX

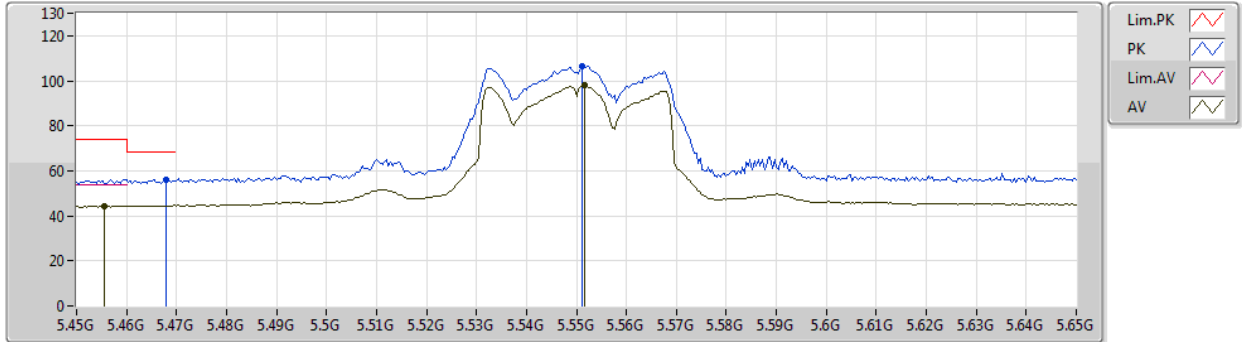


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.4548G	45.01	54.00	-8.99	5.32	3	Vertical	282	2.06	-	39.69	31.66	7.73	34.07
AV	5.5532G	101.12	Inf	-Inf	5.40	3	Vertical	282	2.06	-	95.72	31.69	7.78	34.07
PK	5.4668G	57.14	68.20	-11.06	5.36	3	Vertical	282	2.06	-	51.78	31.70	7.73	34.07
PK	5.5524G	109.65	Inf	-Inf	5.41	3	Vertical	282	2.06	-	104.24	31.70	7.78	34.07

802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5550MHz_TX

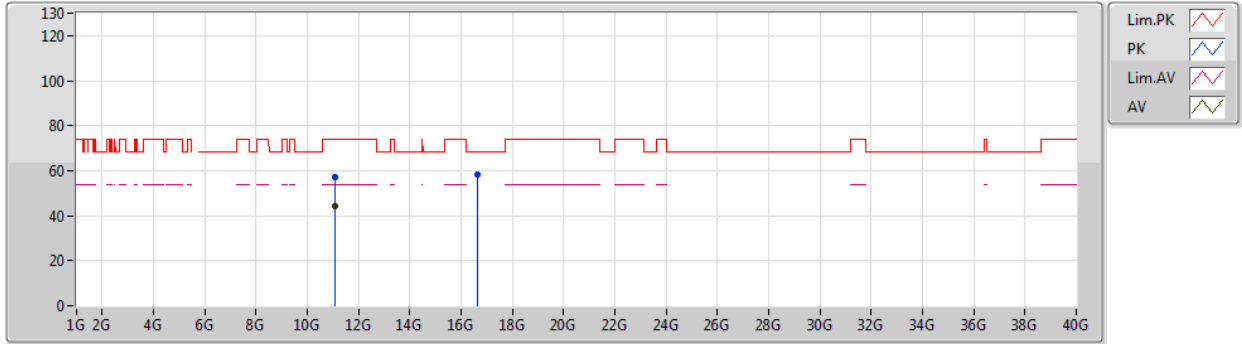


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.4556G	44.39	54.00	-9.61	5.33	3	Horizontal	327	1.34	-	39.06	31.67	7.73	34.07
AV	5.5516G	97.87	Inf	-Inf	5.41	3	Horizontal	327	1.34	-	92.46	31.70	7.78	34.07
PK	5.468G	56.12	68.20	-12.08	5.36	3	Horizontal	327	1.34	-	50.76	31.70	7.73	34.07
PK	5.5512G	106.47	Inf	-Inf	5.41	3	Horizontal	327	1.34	-	101.06	31.70	7.78	34.07

802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5550MHz_TX

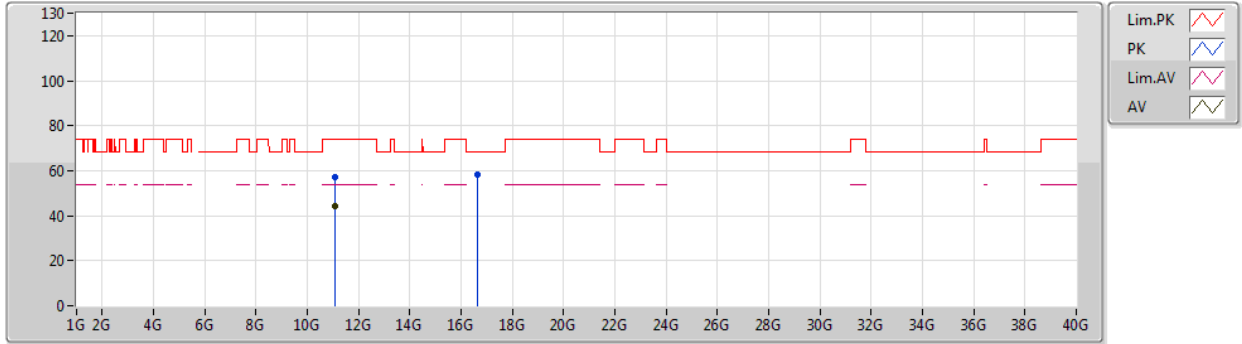


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.10143G	44.18	54.00	-9.82	15.78	3	Vertical	145	1.50	-	28.40	40.07	9.88	34.17
PK	11.09817G	57.18	74.00	-16.82	15.77	3	Vertical	145	1.50	-	41.41	40.07	9.87	34.17
PK	16.64842G	58.27	68.20	-9.93	16.74	3	Vertical	352	1.18	-	41.53	39.25	11.29	33.80

802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5550MHz_TX



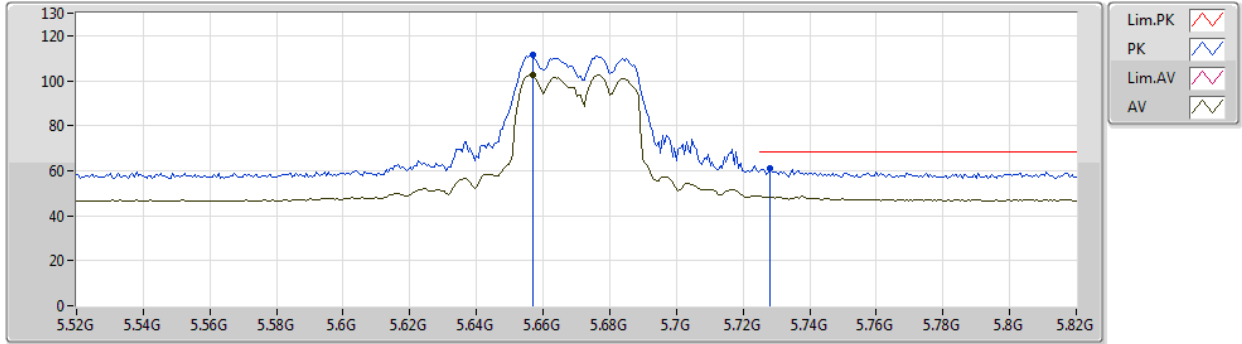
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AV	11.09989G	44.33	54.00	-9.67	15.77	3	Horizontal	224	2.88	-	28.56	40.07	9.87	34.17
PK	11.10002G	57.32	74.00	-16.68	15.78	3	Horizontal	224	2.88	-	41.54	40.07	9.88	34.17
PK	16.64921G	58.20	68.20	-10.00	16.74	3	Horizontal	268	2.84	-	41.46	39.25	11.29	33.80



802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5670MHz_TX

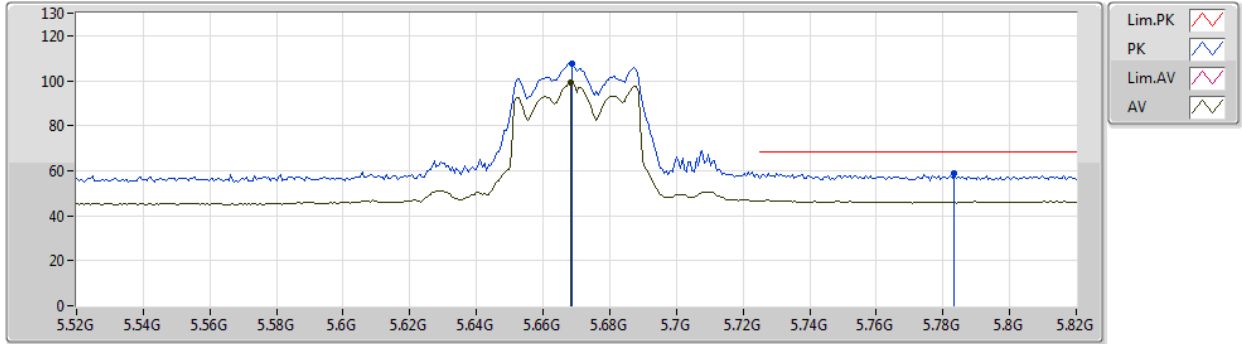


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.6568G	102.40	Inf	-Inf	5.47	3	Vertical	276	1.91	-	96.93	31.71	7.83	34.07
PK	5.6568G	111.45	Inf	-Inf	5.47	3	Vertical	276	1.91	-	105.98	31.71	7.83	34.07
PK	5.7282G	60.97	68.20	-7.23	5.67	3	Vertical	276	1.91	-	55.30	31.88	7.86	34.07

802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5670MHz_TX

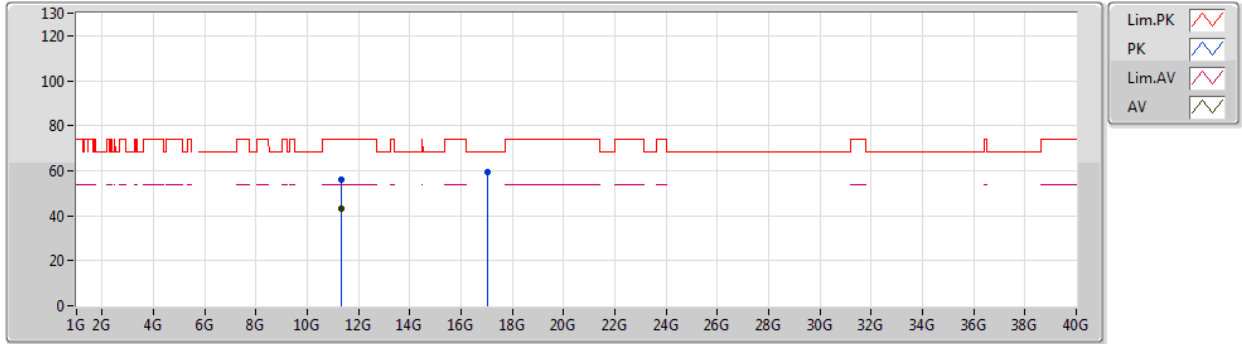


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.6682G	99.27	Inf	-Inf	5.50	3	Horizontal	241	1.76	-	93.77	31.74	7.83	34.07
PK	5.6688G	107.81	Inf	-Inf	5.50	3	Horizontal	241	1.76	-	102.31	31.74	7.83	34.07
PK	5.7834G	58.95	68.20	-9.25	5.86	3	Horizontal	241	1.76	-	53.09	32.05	7.89	34.08

802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5670MHz_TX

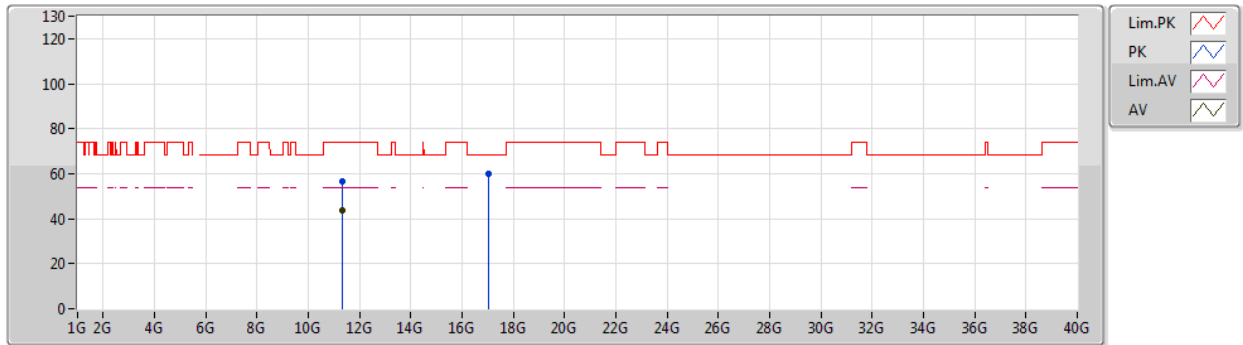


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.34139G	43.34	54.00	-10.66	15.52	3	Vertical	200	1.50	-	27.82	39.76	9.94	34.18
PK	11.34029G	56.00	74.00	-18.00	15.52	3	Vertical	200	1.50	-	40.48	39.76	9.94	34.18
PK	17.0111G	59.20	68.20	-9.00	18.30	3	Vertical	205	1.50	-	40.90	40.28	11.45	33.43

802.11ac VHT40_Nss1,(MCS0)_4TX

30/04/2020

5670MHz_TX

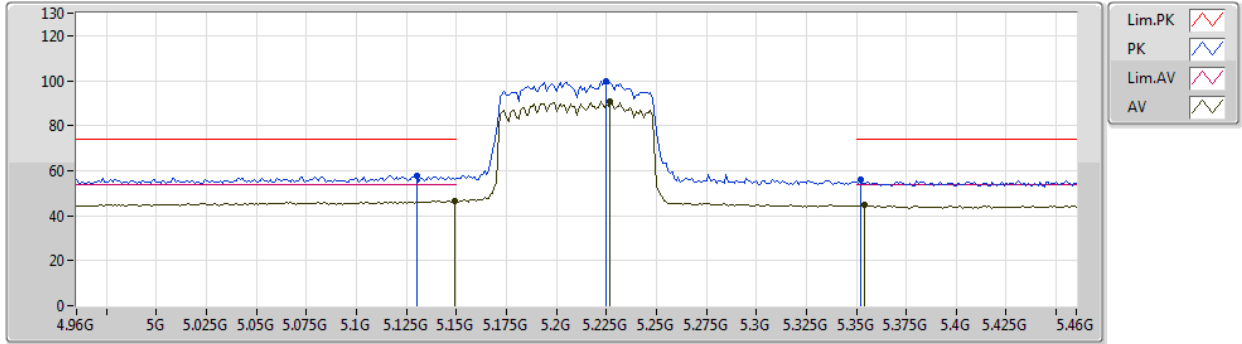


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.34012G	43.63	54.00	-10.37	15.52	3	Horizontal	223	1.57	-	28.11	39.76	9.94	34.18
PK	11.34113G	56.32	74.00	-17.68	15.52	3	Horizontal	223	1.57	-	40.80	39.76	9.94	34.18
PK	17.00859G	59.71	68.20	-8.49	18.28	3	Horizontal	92	2.60	-	41.43	40.26	11.45	33.43

802.11ac VHT80_Nss1,(MCS0)_4TX

30/04/2020

5210MHz_TX

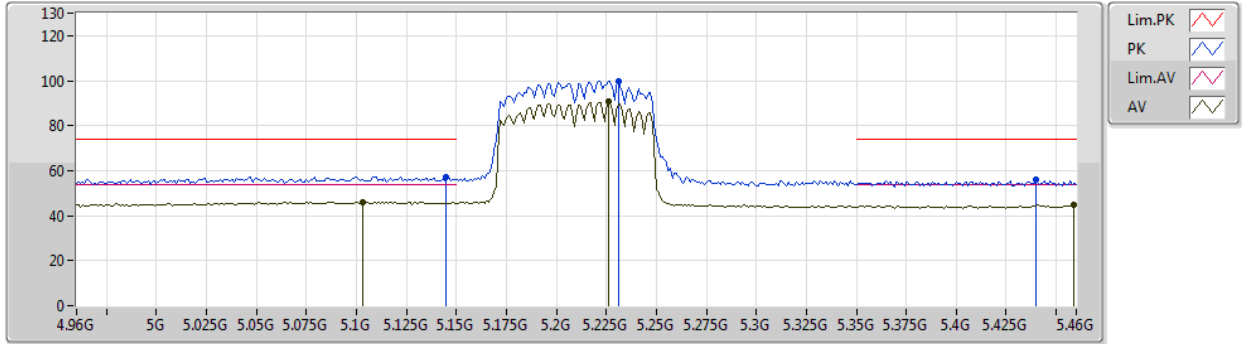


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149G	46.54	54.00	-7.46	5.32	3	Vertical	75	1.75	-	41.22	31.80	7.57	34.05
AV	5.227G	91.04	Inf	-Inf	5.05	3	Vertical	75	1.75	-	85.99	31.49	7.61	34.05
AV	5.354G	44.55	54.00	-9.45	4.98	3	Vertical	75	1.75	-	39.57	31.36	7.68	34.06
PK	5.13G	57.56	74.00	-16.44	5.39	3	Vertical	75	1.75	-	52.17	31.88	7.56	34.05
PK	5.225G	99.91	Inf	-Inf	5.06	3	Vertical	75	1.75	-	94.85	31.50	7.61	34.05
PK	5.352G	56.02	74.00	-17.98	4.98	3	Vertical	75	1.75	-	51.04	31.36	7.68	34.06

802.11ac VHT80_Nss1,(MCS0)_4TX

30/04/2020

5210MHz_TX



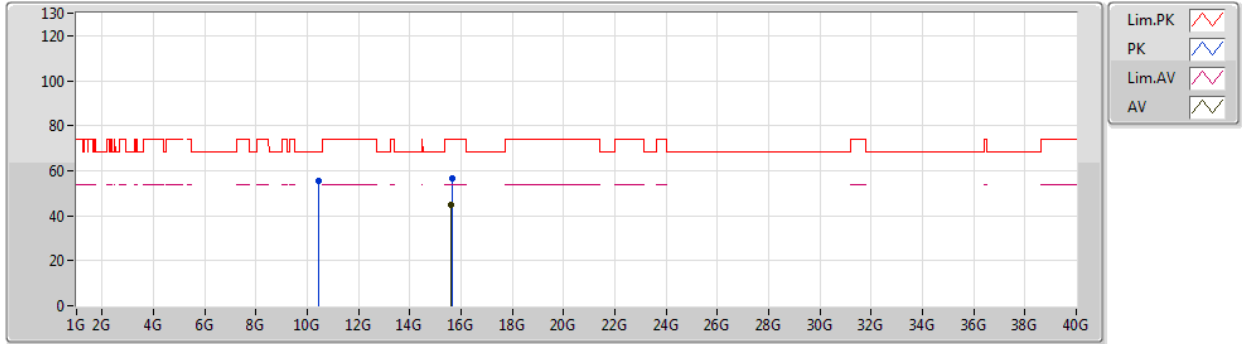
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.103G	46.12	54.00	-7.88	5.49	3	Horizontal	29	1.48	-	40.63	31.99	7.55	34.05
AV	5.226G	90.91	Inf	-Inf	5.06	3	Horizontal	29	1.48	-	85.85	31.50	7.61	34.05
AV	5.459G	44.75	54.00	-9.25	5.34	3	Horizontal	29	1.48	-	39.41	31.68	7.73	34.07
PK	5.145G	57.41	74.00	-16.59	5.34	3	Horizontal	29	1.48	-	52.07	31.82	7.57	34.05
PK	5.231G	99.87	Inf	-Inf	5.05	3	Horizontal	29	1.48	-	94.82	31.48	7.62	34.05
PK	5.44G	56.01	74.00	-17.99	5.28	3	Horizontal	29	1.48	-	50.73	31.62	7.72	34.06



802.11ac VHT80_Nss1,(MCS0)_4TX

30/04/2020

5210MHz_TX

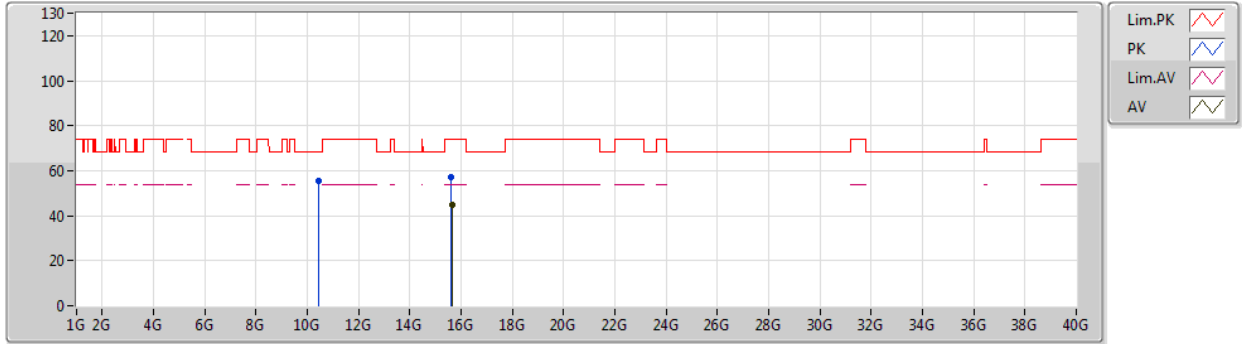


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.62956G	44.89	54.00	-9.11	15.48	3	Vertical	353	2.07	-	29.41	38.65	10.93	34.10
PK	10.42103G	55.73	68.20	-12.47	14.65	3	Vertical	137	1.50	-	41.08	39.45	9.71	34.51
PK	15.63211G	56.57	74.00	-17.43	15.47	3	Vertical	353	2.07	-	41.10	38.64	10.93	34.10

802.11ac VHT80_Nss1,(MCS0)_4TX

30/04/2020

5210MHz_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	15.6322G	44.70	54.00	-9.30	15.47	3	Horizontal	47	2.99	-	29.23	38.64	10.93	34.10
PK	10.42037G	55.33	68.20	-12.87	14.65	3	Horizontal	13	2.30	-	40.68	39.45	9.71	34.51
PK	15.63101G	57.20	74.00	-16.80	15.47	3	Horizontal	47	2.99	-	41.73	38.64	10.93	34.10



Summary

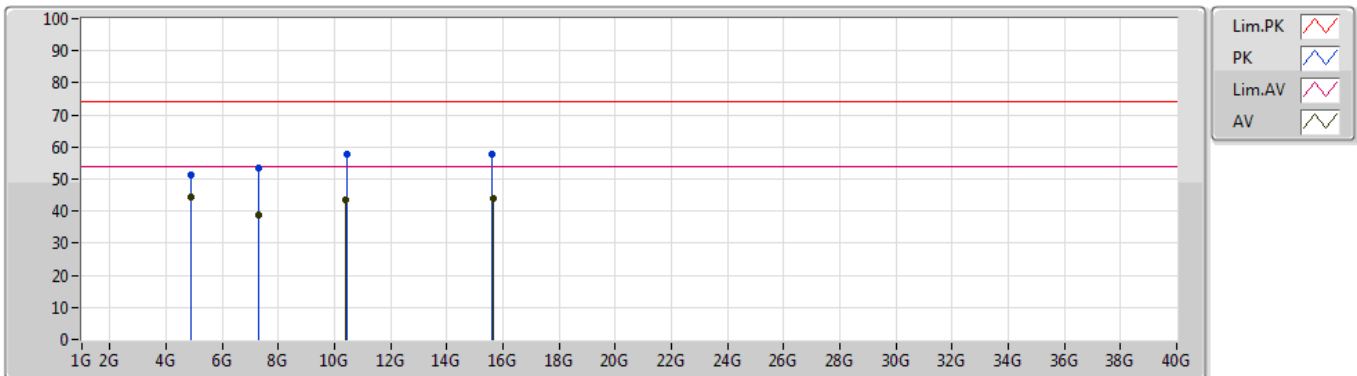
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	AV	4.974G	44.30	54.00	-9.70	8.86	Vertical
Mode 2	Pass	AV	11.56377G	47.98	54.00	-6.02	19.44	Horizontal

Mode Configure

Mode	Configure
Mode 1	2.4G+5G (B1+B2)
Mode 2	2.4G+5G (B3+B4)

Radiation-above 1GHz_Mode 1

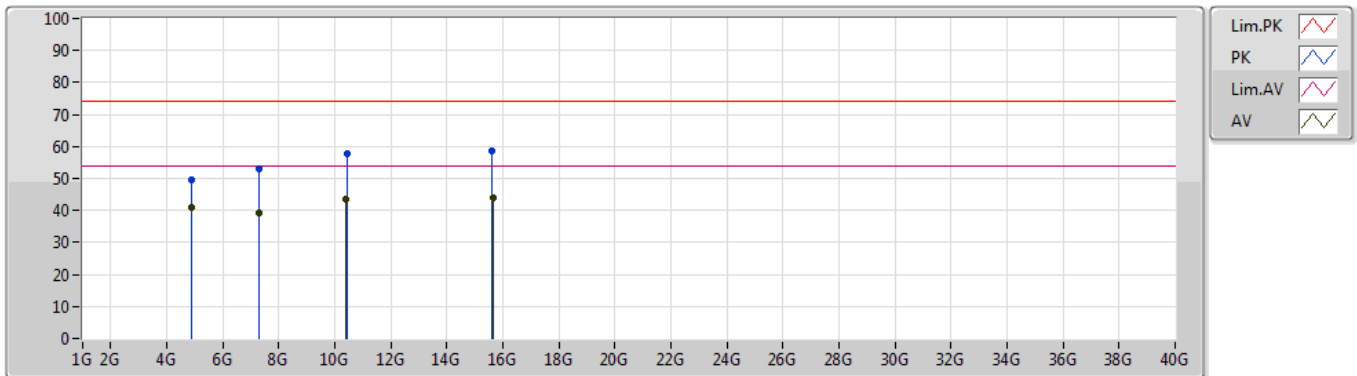
13/05/2020



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	4.874G	44.30	54.00	-9.70	8.86	3	Vertical	161	1.16	-	35.44	31.10	7.14	29.38
AV	7.30888G	38.83	54.00	-15.17	14.26	3	Vertical	206	1.14	-	24.57	36.32	8.30	30.36
AV	10.41042G	43.37	54.00	-10.63	18.78	3	Vertical	64	1.50	-	24.59	39.61	9.71	30.54
AV	15.63287G	43.79	54.00	-10.21	17.82	3	Vertical	109	1.25	-	25.97	37.83	11.87	31.88
PK	4.874G	51.13	74.00	-22.87	8.86	3	Vertical	161	1.16	-	42.27	31.10	7.14	29.38
PK	7.31503G	53.53	74.00	-20.47	14.27	3	Vertical	206	1.14	-	39.26	36.33	8.30	30.36
PK	10.42858G	57.77	74.00	-16.23	18.79	3	Vertical	64	1.50	-	38.98	39.63	9.71	30.55
PK	15.62385G	57.68	74.00	-16.32	17.84	3	Vertical	109	1.25	-	39.84	37.85	11.87	31.88

Radiation-above 1GHz_Mode 1

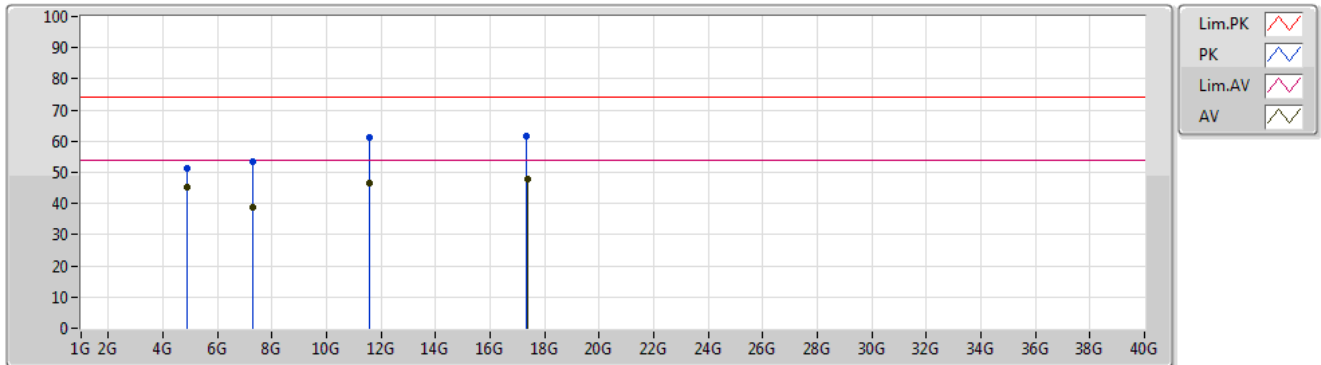
13/05/2020



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	4.874G	40.90	54.00	-13.10	8.86	3	Horizontal	135	1.12	-	32.04	31.10	7.14	29.38
AV	7.30577G	39.01	54.00	-14.99	14.26	3	Horizontal	231	1.50	-	24.75	36.31	8.30	30.35
AV	10.41126G	43.36	54.00	-10.64	18.78	3	Horizontal	81	1.50	-	24.58	39.61	9.71	30.54
AV	15.63116G	43.85	54.00	-10.15	17.83	3	Horizontal	293	3.00	-	26.02	37.84	11.87	31.88
PK	4.87404G	49.58	74.00	-24.42	8.86	3	Horizontal	135	1.12	-	40.72	31.10	7.14	29.38
PK	7.31216G	53.09	74.00	-20.91	14.26	3	Horizontal	231	1.50	-	38.83	36.32	8.30	30.36
PK	10.4198G	57.80	74.00	-16.20	18.78	3	Horizontal	81	1.50	-	39.02	39.62	9.71	30.55
PK	15.62753G	58.60	74.00	-15.40	17.83	3	Horizontal	293	3.00	-	40.77	37.84	11.87	31.88

Radiation-above 1GHz_Mode 2

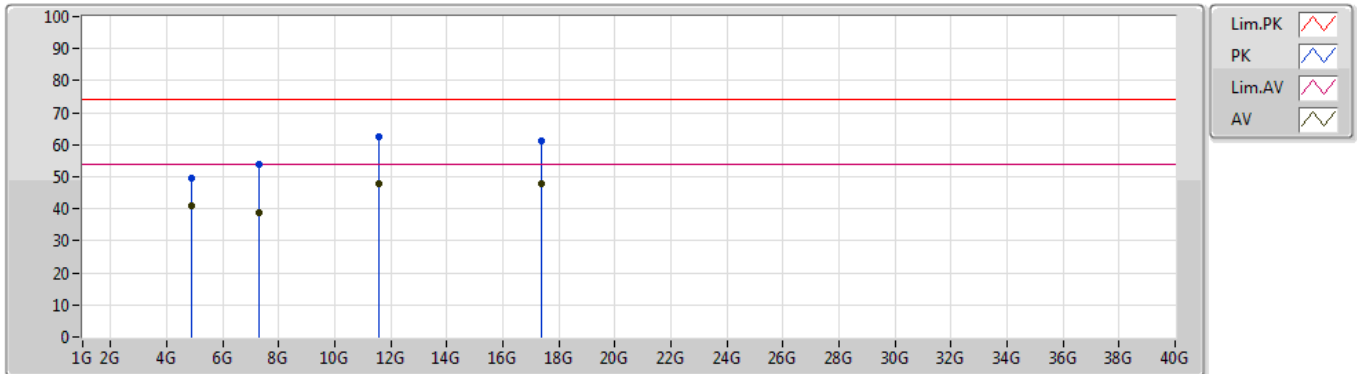
13/05/2020



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	4.87396G	45.32	54.00	-8.68	8.86	3	Vertical	162	1.06	-	36.46	31.10	7.14	29.38
AV	7.30525G	38.95	54.00	-15.05	14.26	3	Vertical	93	1.50	-	24.69	36.31	8.30	30.35
AV	11.56633G	46.76	54.00	-7.24	19.43	3	Vertical	215	1.58	-	27.33	39.93	10.28	30.78
AV	17.35744G	47.81	54.00	-6.19	21.80	3	Vertical	205	2.08	-	26.01	40.90	12.41	31.51
PK	4.874G	51.36	74.00	-22.64	8.86	3	Vertical	162	1.06	-	42.50	31.10	7.14	29.38
PK	7.31208G	53.25	74.00	-20.75	14.26	3	Vertical	93	1.50	-	38.99	36.32	8.30	30.36
PK	11.56689G	61.29	74.00	-12.71	19.43	3	Vertical	215	1.58	-	41.86	39.93	10.28	30.78
PK	17.35181G	61.59	74.00	-12.41	21.76	3	Vertical	205	2.08	-	39.83	40.86	12.41	31.51

Radiation-above 1GHz_Mode 2

13/05/2020



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	4.87396G	41.16	54.00	-12.84	8.86	3	Horizontal	136	1.89	-	32.30	31.10	7.14	29.38
AV	7.31008G	38.92	54.00	-15.08	14.26	3	Horizontal	272	1.50	-	24.66	36.32	8.30	30.36
AV	11.56377G	47.98	54.00	-6.02	19.44	3	Horizontal	249	1.50	-	28.54	39.94	10.28	30.78
AV	17.36235G	47.64	54.00	-6.36	21.84	3	Horizontal	248	1.52	-	25.80	40.94	12.41	31.51
PK	4.87384G	49.50	74.00	-24.50	8.86	3	Horizontal	136	1.89	-	40.64	31.10	7.14	29.38
PK	7.30493G	53.81	74.00	-20.19	14.26	3	Horizontal	272	1.50	-	39.55	36.31	8.30	30.35
PK	11.5627G	62.69	74.00	-11.31	19.44	3	Horizontal	249	1.50	-	43.25	39.94	10.28	30.78
PK	17.35764G	61.25	74.00	-12.75	21.80	3	Horizontal	248	1.52	-	39.45	40.90	12.41	31.51