FCC Test Report

FCC ID	:	**WLQTSSR**
Equipment	:	**True Surround Home Theatre System**
Brand Name	:	**Polk**
Model Name	:	**TSSR WIRELESS SURROUNDS**
Applicant	:	**DEI Sales, Inc., dba Polk Audio** **5541 FERMI COURT, CARLSBAD, CA, 92008, USA**
Manufacturer	:	**Polk Audio, LLC** **5541 FERMI COURT, CARLSBAD, CA, 92008, USA**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Aug. 04, 2020, and testing was started from Aug. 07, 2020 and completed on Aug. 12, 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 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 report

Report No.	Version	Description	Issued Date
FR072917-01	01	Initial issue of report	Oct. 29, 2020

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	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Note 1: From Sporton Project No.:FR072917.

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: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Modulation	Ch. Frequency (MHz)	Channel Number
5150-5250	GFSK	5160-5240	0-16 [17]
5725-5850	GFSK	5735-5840	0-21 [22]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	GFSK	2.5	1TX
5.725-5.85GHz	GFSK	2.5	1TX

5160-5240MHz		5735-5840MHz	
Channel	Freq.(MHz)	Channel	Freq.(MHz)
0	5160	0	5735
1	5165	1	5740
2	5170	2	5745
3	5175	3	5750
4	5180	4	5755
5	5185	5	5760
6	5190	6	5765
7	5195	7	5770
8	5200	8	5775
9	5205	9	5780
10	5210	10	5785
11	5215	11	5790
12	5220	12	5795
13	5225	13	5800
14	5230	14	5805
15	5235	15	5810
16	5240	16	5815
-		17	5820
		18	5825
		19	5830
		20	5835
		21	5840

Note:
- Use a GFSK modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A1	SYNIC	IA9QH5 SY5-A24-F	PCB	N/A	2.85
A2	SYNIC	IA9QH5 SY5-A24-F	PCB	N/A	2.85

Note 1: The EUT has two antennas.

For SRD 5GHz function:

For SRD 5GHz mode (1TX/1RX)

Support diversity functions and pre-tested on each single chain, the worst case was Ant. A1 and it was record in this test report.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☐	Outdoor AP	☐	Indoor AP
	☐	Fixed P2P AP	☒	Indoor Client

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	
☐	Other:	

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
GFSK	1	0	10m	10

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 789033 D02 v02r01

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

- KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☒	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.			
☐	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.			
☐	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
AC Conduction	CO04-HY	Edward Wang	24.8~25.4°C / 62~65%	Aug/12/2020
RF Conducted	TH06-HY	Raven Chien	22.4~23.6°C / 52~66%	Aug/07/2020
Radiated	03CH02-HY	Daniel Lin	20.7~26.4°C / 53~64%	Aug/08/2020~ Aug/11/2020

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
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 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 Test Channel Mode

Test Software	-

Mode	Power Setting
SRD_Nss1_1TX	-
5160MHz	3
5200MHz	3
5240MHz	3
5735MHz	3
5790MHz	3
5840MHz	3

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

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
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Z Plane**
	

2.4 Accessories

AC Adaptor	Brand Name	polk	Model Name	DYS824-150133W-1
	Manufacturer	DONGGUAN DONGSONG ELECTRONIC CO.,LTD		
	Power Rating	I/P: 100 - 240Vac ~ 50/60Hz, 0.7A, O/P: 15Vdc,1.33A		
	Power Cord	2.9 meter, non-shielded cable, w/o ferrite core		

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

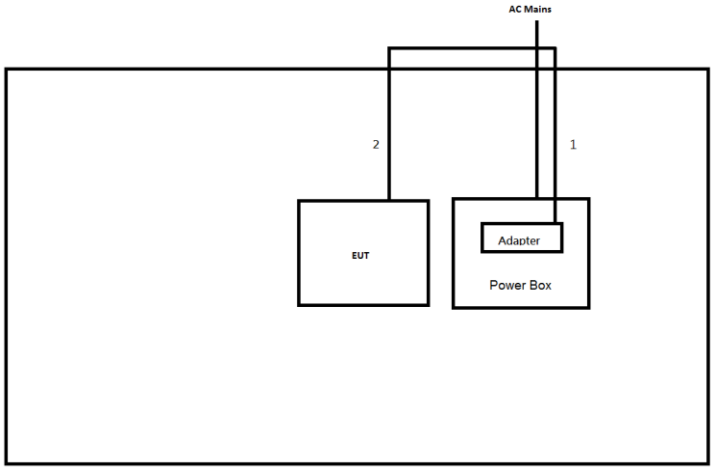
2.5 Support Equipment

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Fixture	-	-	-	Note 1

Note 1: Support equipment was provided by customer.

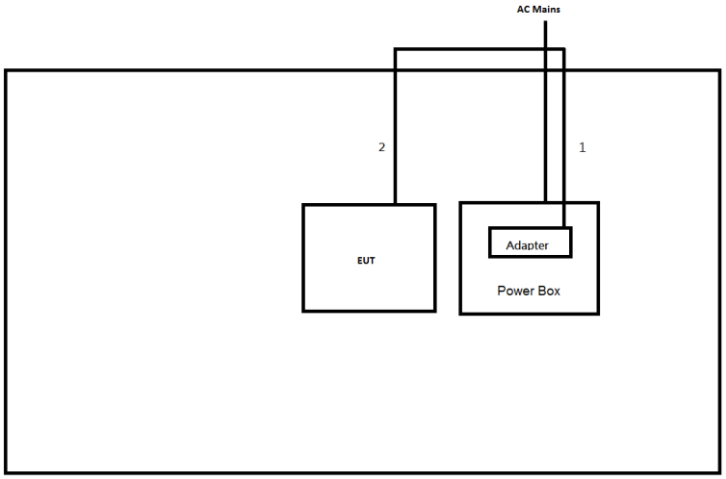
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.85	-
2	DC Power cable	No	8.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.85	-
2	DC Power cable	No	8.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

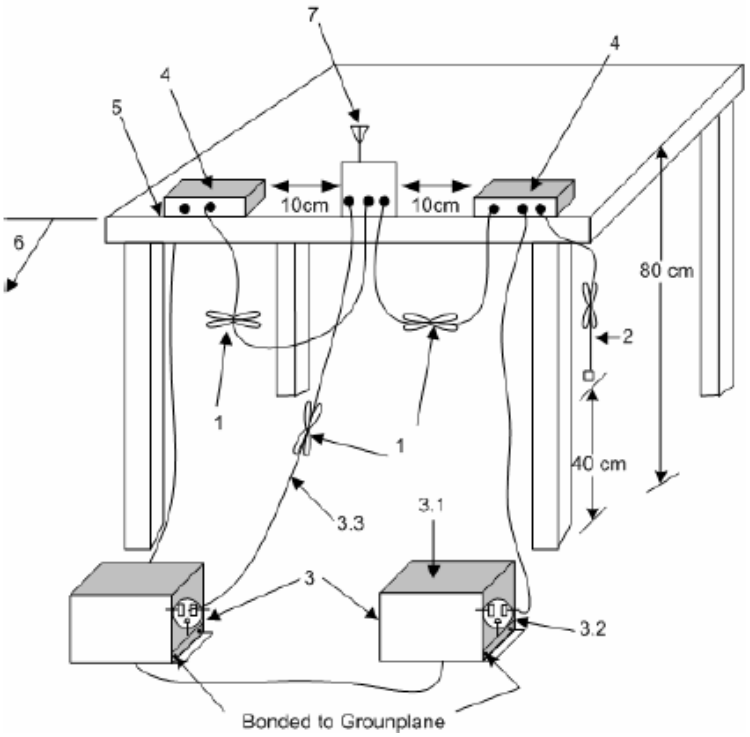
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ωloads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit
UNII Devices
☒ For the 5.15-5.25 GHz band, N/A
☐ For the 5.25-5.35 GHz band, N/A
☐ For the 5.47-5.725 GHz band, N/A
☒ For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

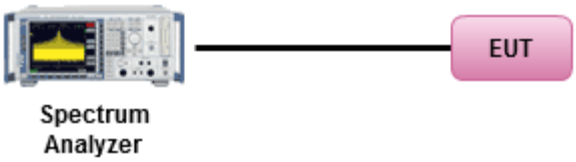
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
	☒ Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
	☐ Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).	
☐ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

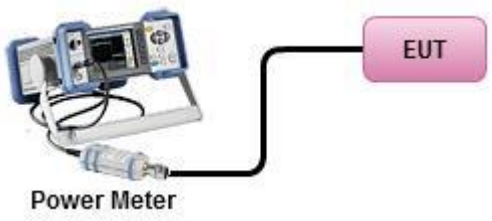
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle < 98%
	☐ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as KDB 789033, clause E Method PM (using an RF average power meter).
▪ For conducted measurement.	
	▪ 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.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

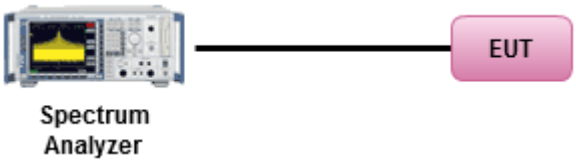
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	Duty cycle ≥ 98%	
	☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	Duty cycle < 98%	
	☐ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		▪ 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.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 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).	

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method		
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
		☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
		☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		
▪ Use the following spectrum analyzer settings:		
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.	
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.	
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.		
	▪ 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.	
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.	

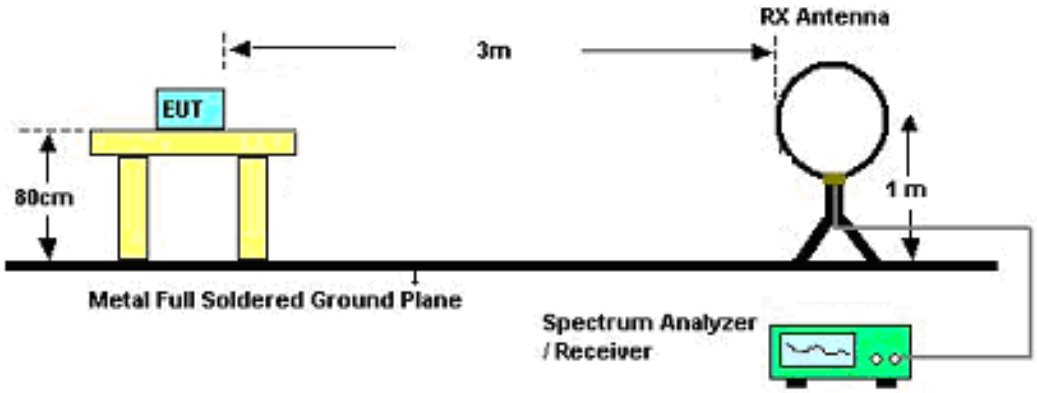
3.5.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

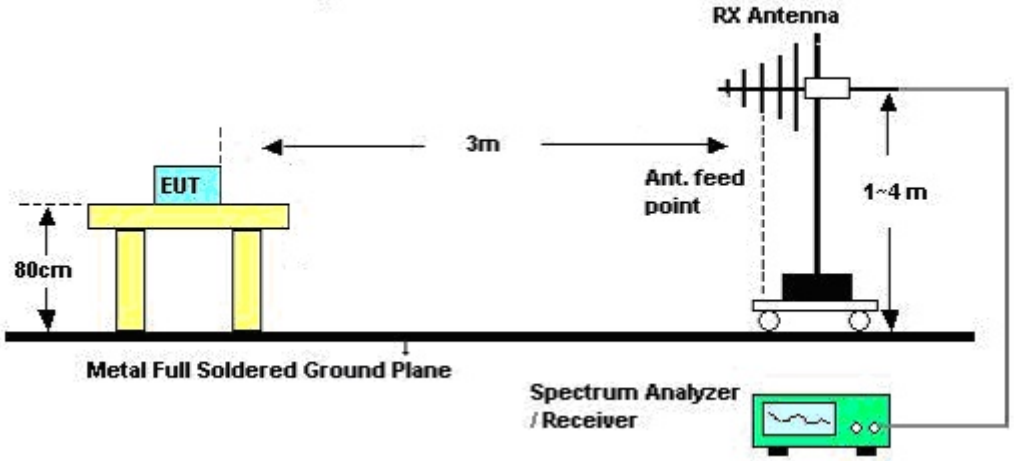
3.5.5 Test Setup

Transmitter Radiated Unwanted Emissions

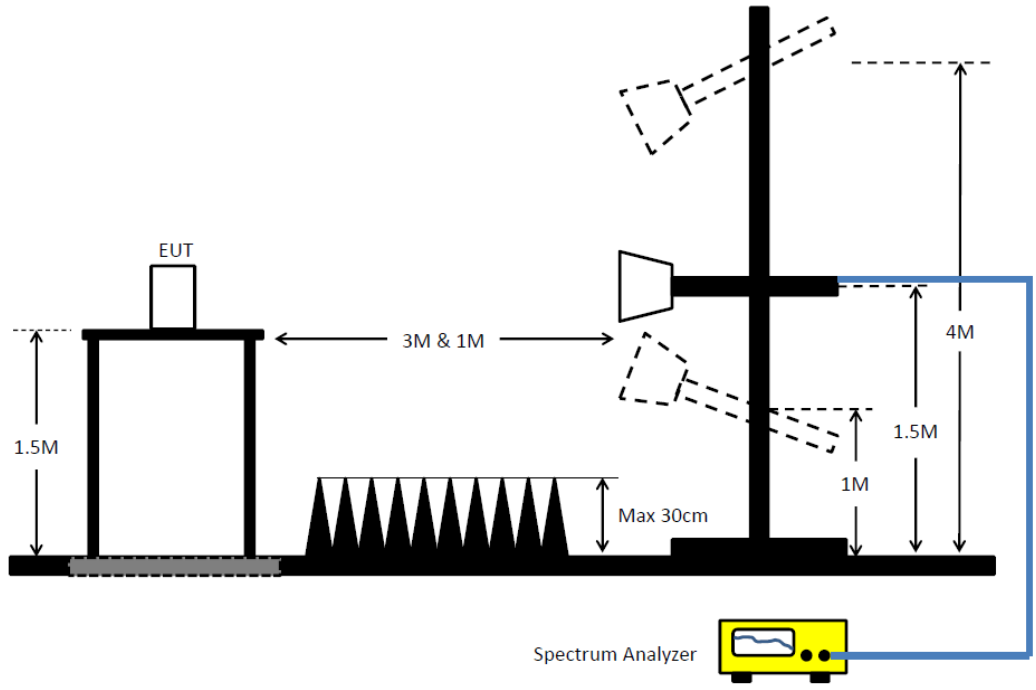
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	24/Sep/2019	23/Sep/2020

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	29/Aug/2019	28/Aug/2020
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	29/Aug/2019	28/Aug/2020
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	16/Oct/2019	15/Oct/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Feb/2020	27/Feb/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
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
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10kHz ~ 40GHz	01/Oct/2019	30/Sep/2020
Programmable Temp. & Humi. Chamber	Giant Force	GTH-225-40-CP-AR	MAA1611-005	-40~100℃	09/Dec/2019	08/Dec/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
USB Wideband Power Sensor	Agilent	U2021XA	MY54320011	50MHz~18GHz	03/Sep/2019	02/Sep/2020
USB Wideband Power Sensor	Agilent	U2021XA	MY54320013	50MHz~18GHz	03/Sep/2019	02/Sep/2020

Summary

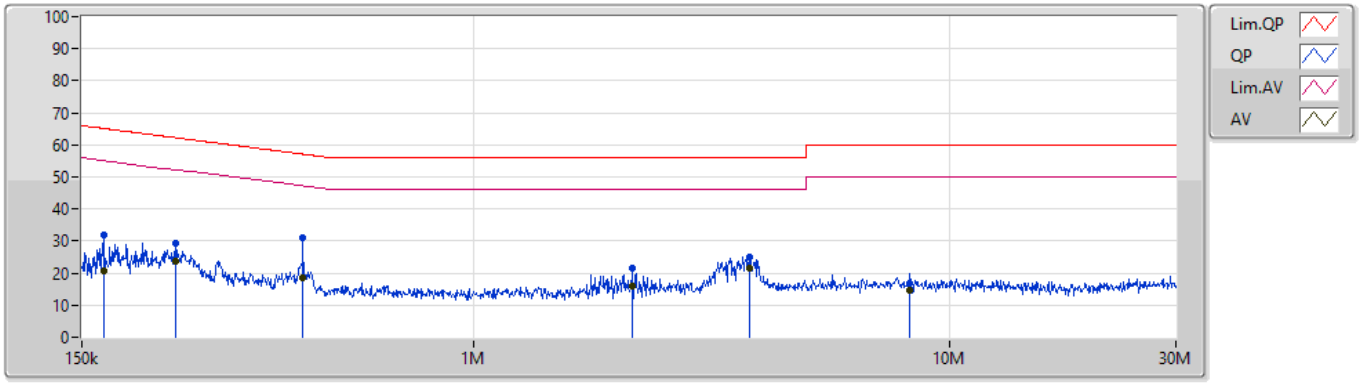
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	3.805M	21.43	46.00	-24.57	Line

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	166.406k	31.95	65.14	-33.19	Line	-
Mode 1	Pass	AV	166.406k	20.50	55.14	-34.64	Line	-
Mode 1	Pass	QP	236.447k	29.29	62.21	-32.92	Line	-
Mode 1	Pass	AV	236.447k	23.51	52.21	-28.70	Line	-
Mode 1	Pass	QP	437.246k	30.92	57.11	-26.19	Line	-
Mode 1	Pass	AV	437.246k	18.50	47.11	-28.61	Line	-
Mode 1	Pass	QP	2.15M	21.55	56.00	-34.45	Line	-
Mode 1	Pass	AV	2.15M	15.99	46.00	-30.01	Line	-
Mode 1	Pass	QP	3.805M	25.00	56.00	-31.00	Line	-
Mode 1	Pass	AV	3.805M	21.43	46.00	-24.57	Line	“Worst”
Mode 1	Pass	QP	8.255M	16.92	60.00	-43.08	Line	-
Mode 1	Pass	AV	8.255M	14.70	50.00	-35.30	Line	-
Mode 1	Pass	QP	163.769k	33.00	65.27	-32.27	Neutral	-
Mode 1	Pass	AV	163.769k	20.52	55.27	-34.75	Neutral	-
Mode 1	Pass	QP	293.329k	23.78	60.44	-36.66	Neutral	-
Mode 1	Pass	AV	293.329k	21.53	50.44	-28.91	Neutral	-
Mode 1	Pass	QP	517.062k	14.98	56.00	-41.02	Neutral	-
Mode 1	Pass	AV	517.062k	13.05	46.00	-32.95	Neutral	-
Mode 1	Pass	QP	2.229M	20.39	56.00	-35.61	Neutral	-
Mode 1	Pass	AV	2.229M	15.56	46.00	-30.44	Neutral	-
Mode 1	Pass	QP	3.715M	24.43	56.00	-31.57	Neutral	-
Mode 1	Pass	AV	3.715M	20.12	46.00	-25.88	Neutral	“Worst”
Mode 1	Pass	QP	9.608M	16.96	60.00	-43.04	Neutral	-
Mode 1	Pass	AV	9.608M	14.77	50.00	-35.23	Neutral	-

Conducted Emissions at Powerline_Mode 1

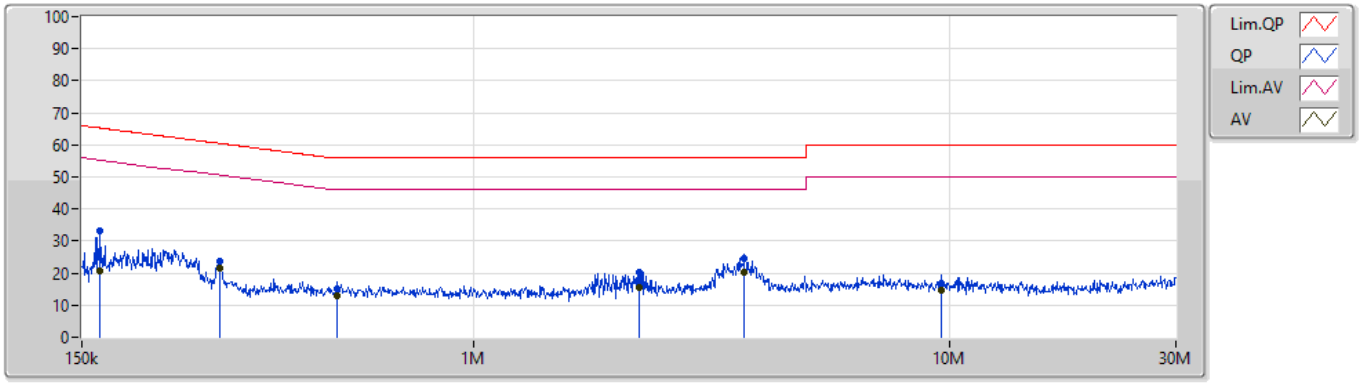
12/08/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	166.406k	31.95	65.14	-33.19	19.64	Line	-	12.31	9.66	0.11	9.87
AV	166.406k	20.50	55.14	-34.64	19.64	Line	-	0.86	9.66	0.11	9.87
QP	236.447k	29.29	62.21	-32.92	19.63	Line	-	9.66	9.65	0.11	9.87
AV	236.447k	23.51	52.21	-28.70	19.63	Line	-	3.88	9.65	0.11	9.87
QP	437.246k	30.92	57.11	-26.19	19.64	Line	-	11.28	9.64	0.13	9.87
AV	437.246k	18.50	47.11	-28.61	19.64	Line	-	-1.14	9.64	0.13	9.87
QP	2.15M	21.55	56.00	-34.45	19.66	Line	-	1.89	9.65	0.14	9.87
AV	2.15M	15.99	46.00	-30.01	19.66	Line	-	-3.67	9.65	0.14	9.87
QP	3.805M	25.00	56.00	-31.00	19.72	Line	-	5.28	9.66	0.18	9.88
AV	3.805M	21.43	46.00	-24.57	19.72	Line	"Worst"	1.71	9.66	0.18	9.88
QP	8.255M	16.92	60.00	-43.08	19.81	Line	-	-2.89	9.68	0.25	9.88
AV	8.255M	14.70	50.00	-35.30	19.81	Line	-	-5.11	9.68	0.25	9.88

Conducted Emissions at Powerline_Mode 1

12/08/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.769k	33.00	65.27	-32.27	19.63	Neutral	-	13.37	9.65	0.11	9.87
AV	163.769k	20.52	55.27	-34.75	19.63	Neutral	-	0.89	9.65	0.11	9.87
QP	293.329k	23.78	60.44	-36.66	19.62	Neutral	-	4.16	9.63	0.12	9.87
AV	293.329k	21.53	50.44	-28.91	19.62	Neutral	-	1.91	9.63	0.12	9.87
QP	517.062k	14.98	56.00	-41.02	19.62	Neutral	-	-4.64	9.63	0.12	9.87
AV	517.062k	13.05	46.00	-32.95	19.62	Neutral	-	-6.57	9.63	0.12	9.87
QP	2.229M	20.39	56.00	-35.61	19.67	Neutral	-	0.72	9.65	0.15	9.87
AV	2.229M	15.56	46.00	-30.44	19.67	Neutral	-	-4.11	9.65	0.15	9.87
QP	3.715M	24.43	56.00	-31.57	19.72	Neutral	-	4.71	9.66	0.18	9.88
AV	3.715M	20.12	46.00	-25.88	19.72	Neutral	"Worst"	0.40	9.66	0.18	9.88
QP	9.608M	16.96	60.00	-43.04	19.85	Neutral	-	-2.89	9.70	0.27	9.88
AV	9.608M	14.77	50.00	-35.23	19.85	Neutral	-	-5.08	9.70	0.27	9.88

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
SRD_Nss1_1TX	4.508M	2.741M	2M74D1D	4.5M	2.537M
5.725-5.85GHz	-	-	-	-	-
SRD_Nss1_1TX	1.928M	2.96M	2M96D1D	1.864M	2.546M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
SRD_Nss1_1TX	-	-	-	-
5160MHz	Pass	Inf	4.508M	2.741M
5200MHz	Pass	Inf	4.5M	2.537M
5240MHz	Pass	Inf	4.504M	2.543M
5735MHz	Pass	500k	1.879M	2.546M
5790MHz	Pass	500k	1.864M	2.546M
5840MHz	Pass	500k	1.928M	2.96M

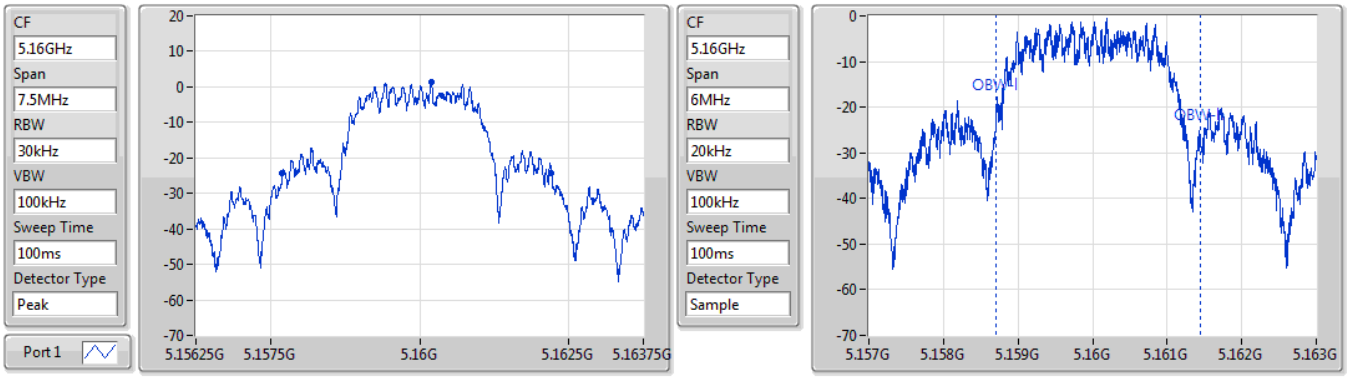
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

SRD_Nss1_1TX

EBW

5160MHz

07/08/2020



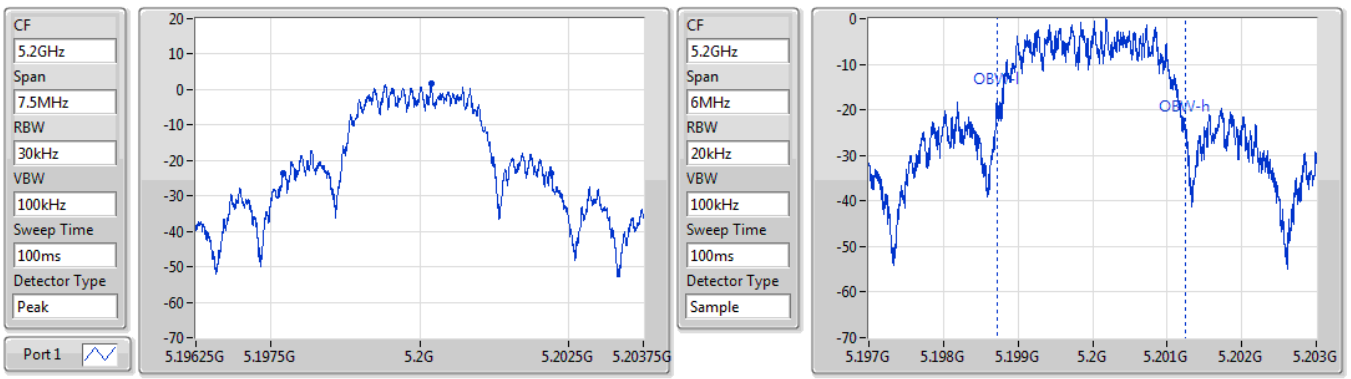
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.508M	5.157701G	5.162209G	2.741M	5.158705G	5.161445G	Inf	1

SRD_Nss1_1TX

EBW

5200MHz

07/08/2020



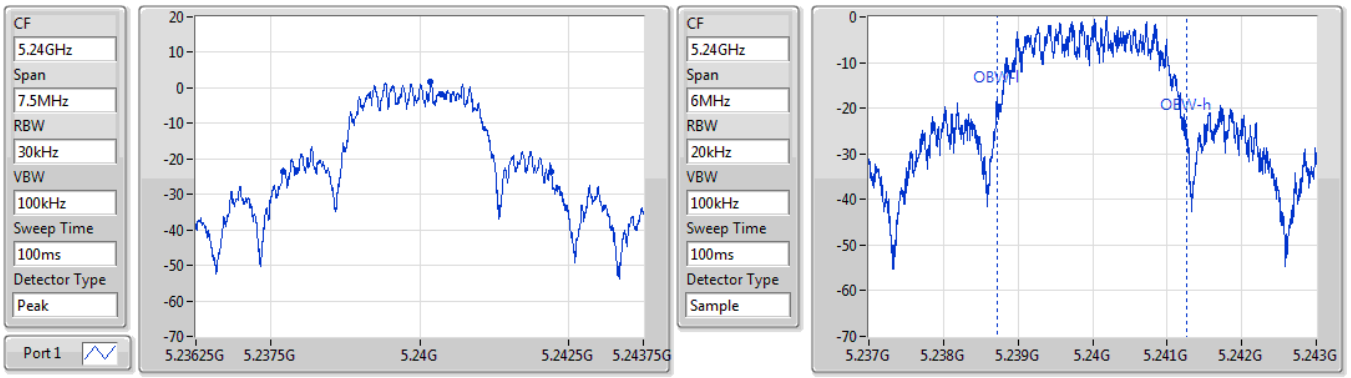
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.5M	5.197709G	5.202209G	2.537M	5.198714G	5.20125G	Inf	1

SRD_Nss1_1TX

EBW

5240MHz

07/08/2020



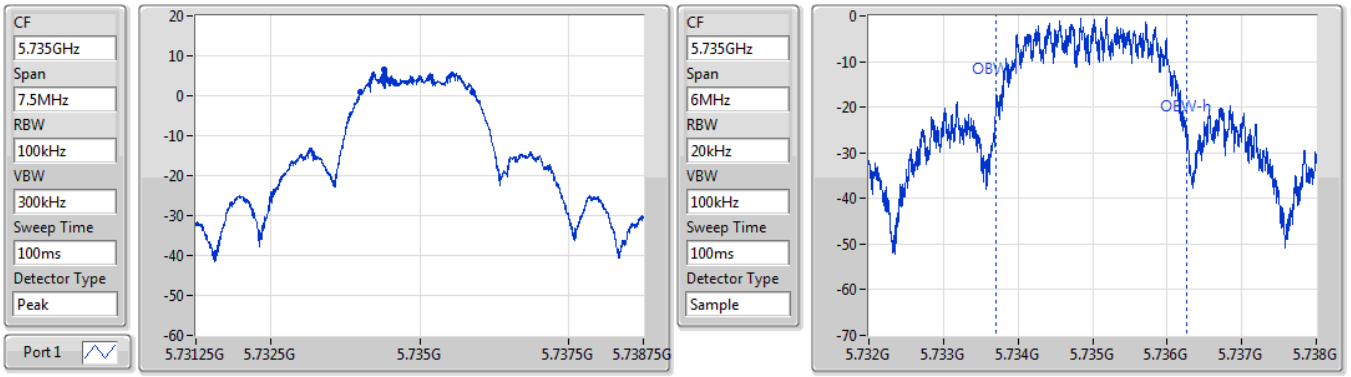
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.504M	5.237705G	5.242209G	2.543M	5.238714G	5.241256G	Inf	1

SRD_Nss1_1TX

EBW

5735MHz

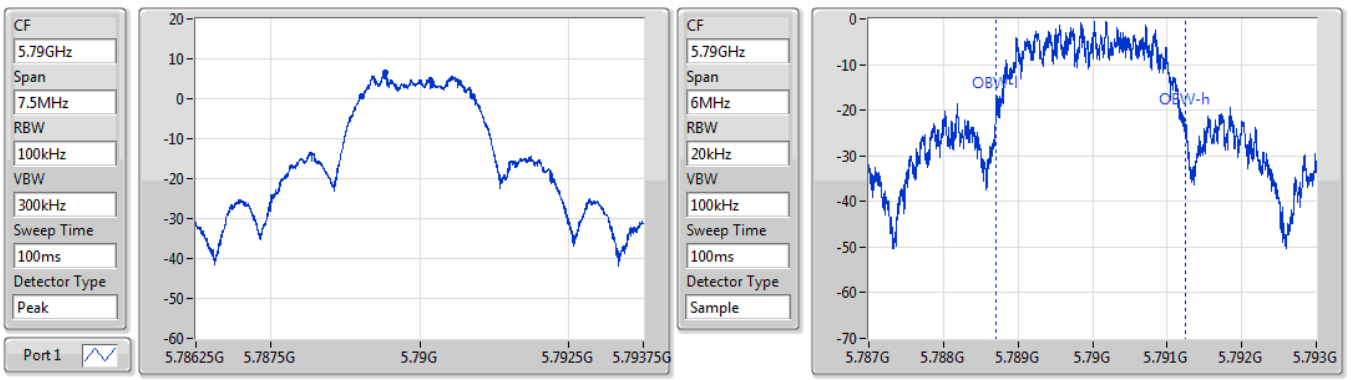
07/08/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.879M	5.73401G	5.735889G	2.546M	5.733711G	5.736256G	500k	1

SRD_Nss1_1TX EBW

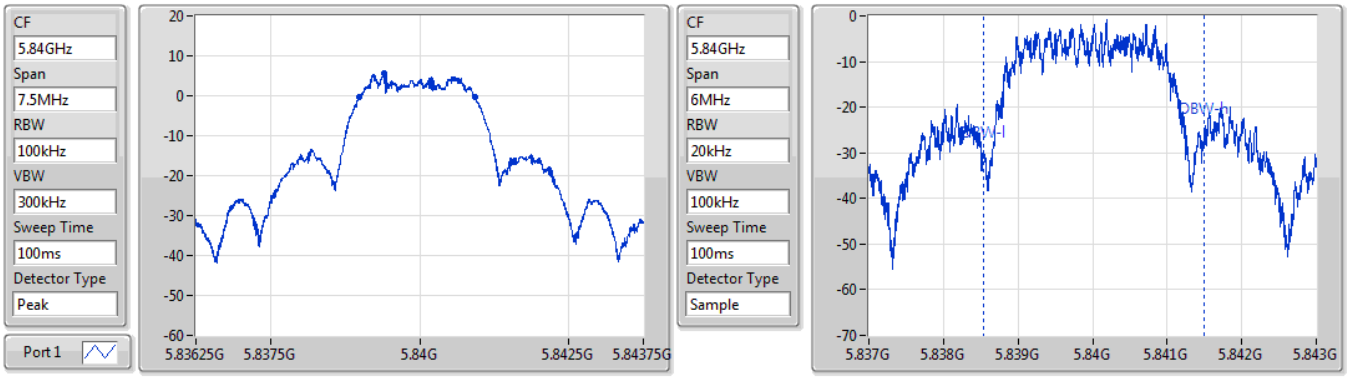
5790MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.864M	5.789025G	5.790889G	2.546M	5.788708G	5.791253G	500k	1

SRD_Nss1_1TX EBW

5840MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.928M	5.838995G	5.840923G	2.96M	5.838531G	5.84149G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
SRD_Nss1_1TX	10.08	0.01019	12.93	0.01963
5.725-5.85GHz	-	-	-	-
SRD_Nss1_1TX	9.64	0.00920	12.49	0.01774

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
SRD_Nss1_1TX	-	-	-	-	-	-	-
5160MHz	Pass	2.85	9.56	9.56	30.00	12.41	36.00
5200MHz	Pass	2.85	9.78	9.78	30.00	12.63	36.00
5240MHz	Pass	2.85	10.08	10.08	30.00	12.93	36.00
5735MHz	Pass	2.85	9.64	9.64	30.00	12.49	36.00
5790MHz	Pass	2.85	9.32	9.32	30.00	12.17	36.00
5840MHz	Pass	2.85	8.84	8.84	30.00	11.69	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
SRD_Nss1_1TX	6.29	9.14
5.725-5.85GHz	-	-
SRD_Nss1_1TX	4.40	7.25

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

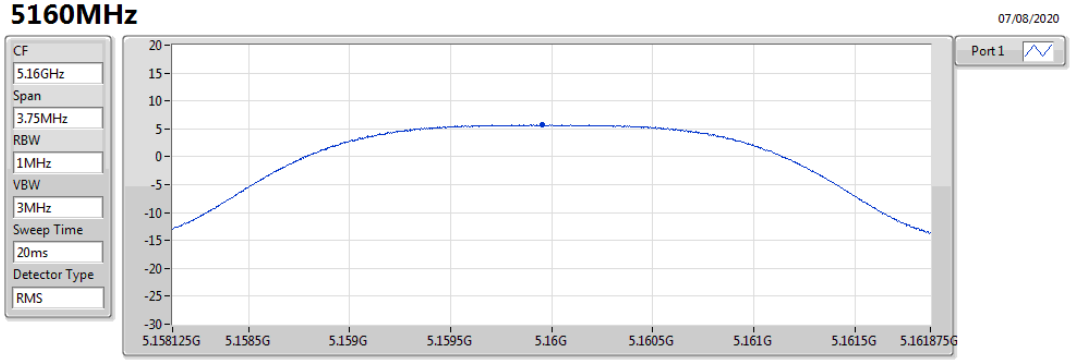
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
SRD_Nss1_1TX	-	-	-	-	-	-	-
5160MHz	Pass	2.85	5.70	5.70	17.00	8.55	23.00
5200MHz	Pass	2.85	5.96	5.96	17.00	8.81	23.00
5240MHz	Pass	2.85	6.29	6.29	17.00	9.14	23.00
5735MHz	Pass	2.85	4.40	4.40	30.00	7.25	36.00
5790MHz	Pass	2.85	4.03	4.03	30.00	6.88	36.00
5840MHz	Pass	2.85	3.40	3.40	30.00	6.25	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

SRD_Nss1_1TX **PSD**

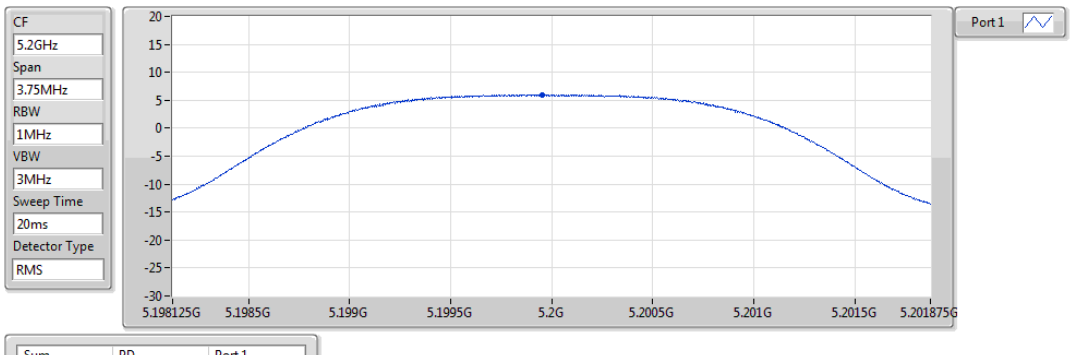
5160MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.70	5.70	5.70

SRD_Nss1_1TX **PSD**

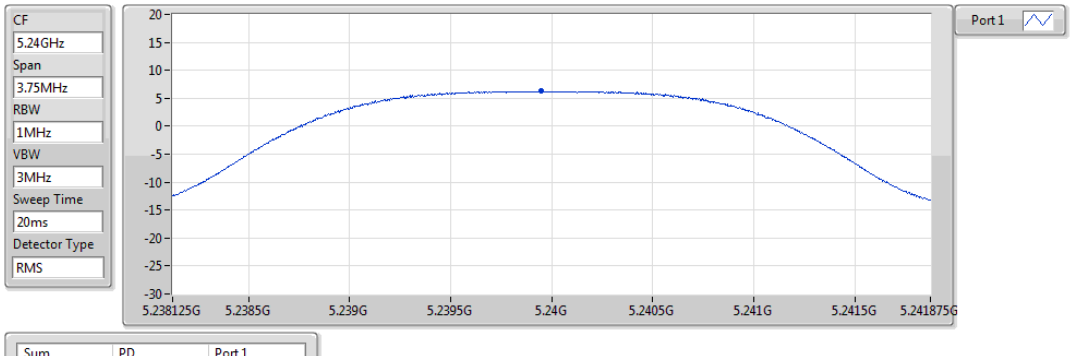
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.96	5.96	5.96

SRD_Nss1_1TX **PSD**

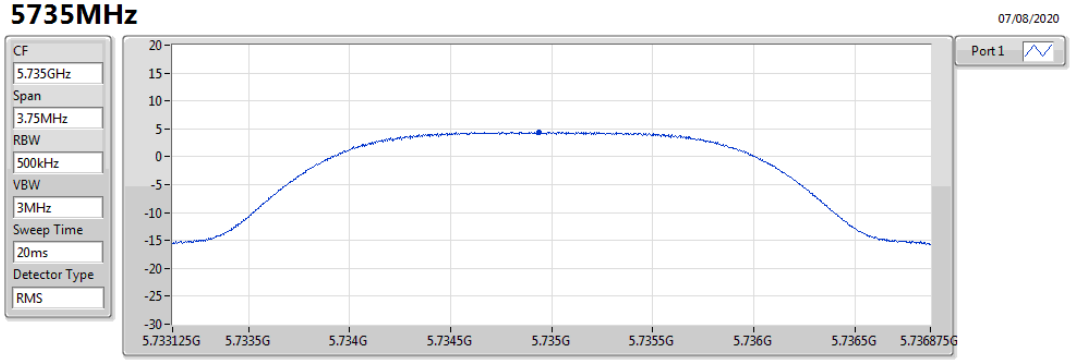
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.29	6.29	6.29

SRD_Nss1_1TX **PSD**

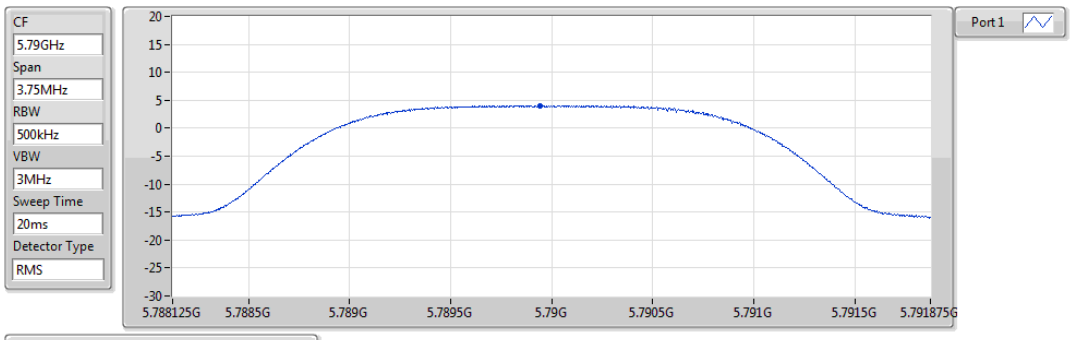
5735MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.40	4.40	4.40

SRD_Nss1_1TX **PSD**

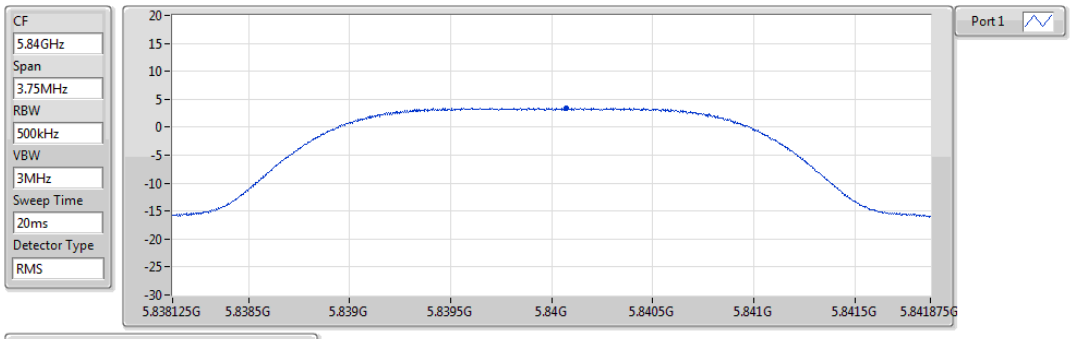
5790MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.03	4.03	4.03

SRD_Nss1_1TX **PSD**

5840MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.40	3.40	3.40

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
SRD_Nss1_1TX	Pass	PK	53.28M	27.22	40.00	-12.78	3	Vertical	360	1.00	-

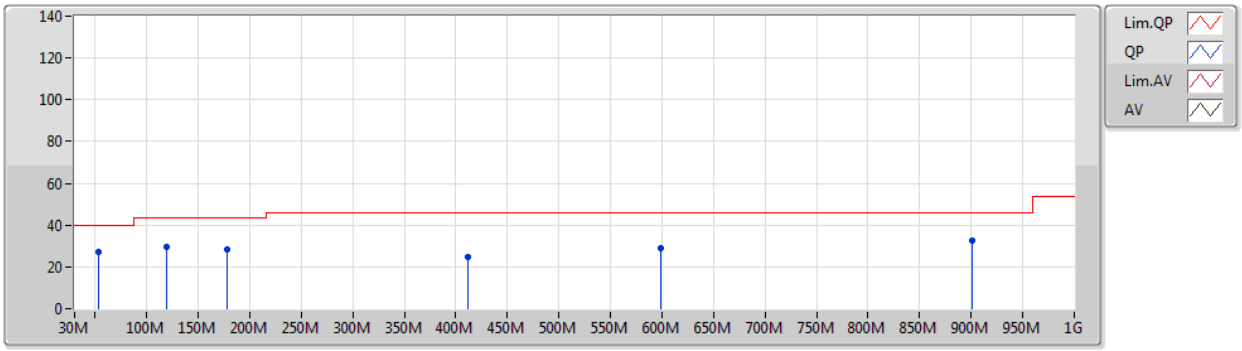
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
5790MHz	Pass	PK	53.28M	27.22	40.00	-12.78	3	Vertical	360	1.00	-
5790MHz	Pass	PK	119.24M	29.33	43.50	-14.17	3	Vertical	360	1.00	-
5790MHz	Pass	PK	177.44M	28.08	43.50	-15.42	3	Vertical	360	1.00	-
5790MHz	Pass	PK	412.18M	24.92	46.00	-21.08	3	Vertical	360	1.00	-
5790MHz	Pass	PK	598.42M	28.70	46.00	-17.30	3	Vertical	360	1.00	-
5790MHz	Pass	PK	901.06M	32.46	46.00	-13.54	3	Vertical	360	1.00	-
5790MHz	Pass	PK	30M	26.55	40.00	-13.45	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	130.88M	27.83	43.50	-15.67	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	255.04M	28.27	46.00	-17.73	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	476.2M	25.92	46.00	-20.08	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	604.24M	30.98	46.00	-15.02	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	862.26M	32.25	46.00	-13.75	3	Horizontal	0	1.00	-

SRD_Nss1_1TX

5790MHz_TX

11/08/2020

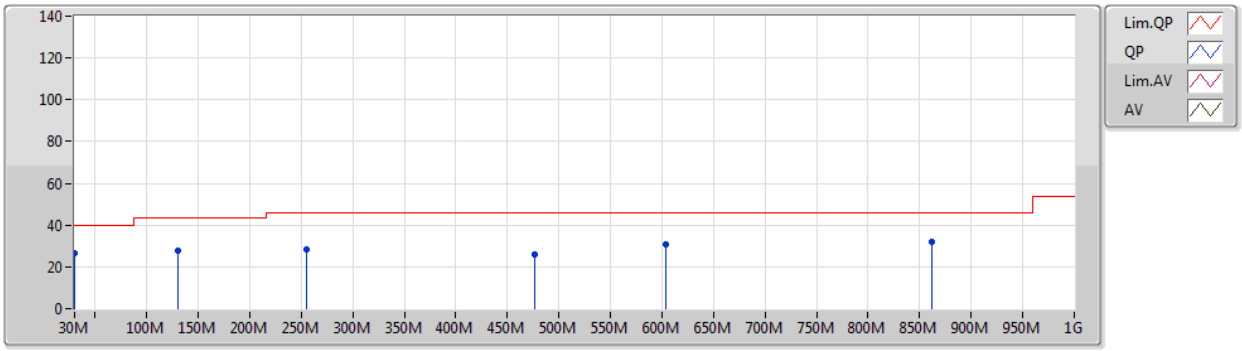


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	53.28M	27.22	40.00	-12.78	-14.52	3	Vertical	360	1.00	-	41.74	12.24	1.00	27.76
PK	119.24M	29.33	43.50	-14.17	-8.84	3	Vertical	360	1.00	-	38.17	17.28	1.59	27.71
PK	177.44M	28.08	43.50	-15.42	-11.08	3	Vertical	360	1.00	-	39.16	14.40	1.97	27.45
PK	412.18M	24.92	46.00	-21.08	-3.15	3	Vertical	360	1.00	-	28.07	21.61	3.05	27.81
PK	598.42M	28.70	46.00	-17.30	-0.76	3	Vertical	360	1.00	-	29.46	23.77	3.79	28.32
PK	901.06M	32.46	46.00	-13.54	2.93	3	Vertical	360	1.00	-	29.53	25.53	4.80	27.40

SRD_Nss1_1TX

5790MHz_TX

11/08/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	26.55	40.00	-13.45	-3.03	3	Horizontal	0	1.00	-	29.58	23.48	0.70	27.21
PK	130.88M	27.83	43.50	-15.67	-9.15	3	Horizontal	0	1.00	-	36.98	16.86	1.65	27.66
PK	255.04M	28.27	46.00	-17.73	-6.49	3	Horizontal	0	1.00	-	34.76	18.14	2.42	27.05
PK	476.2M	25.92	46.00	-20.08	-2.10	3	Horizontal	0	1.00	-	28.02	22.72	3.36	28.18
PK	604.24M	30.98	46.00	-15.02	-0.67	3	Horizontal	0	1.00	-	31.65	23.83	3.82	28.32
PK	862.26M	32.25	46.00	-13.75	2.64	3	Horizontal	0	1.00	-	29.61	25.55	4.65	27.56

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	-	-	-	-	-	-	-	-	-	-	-
SRD_Nss1_1TX	Pass	PK	10.31869G	63.02	68.20	-5.18	3	Vertical	89	2.22	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
SRD_Nss1_1TX	Pass	AV	11.47103G	50.85	54.00	-3.15	3	Vertical	94	2.18	-

Result

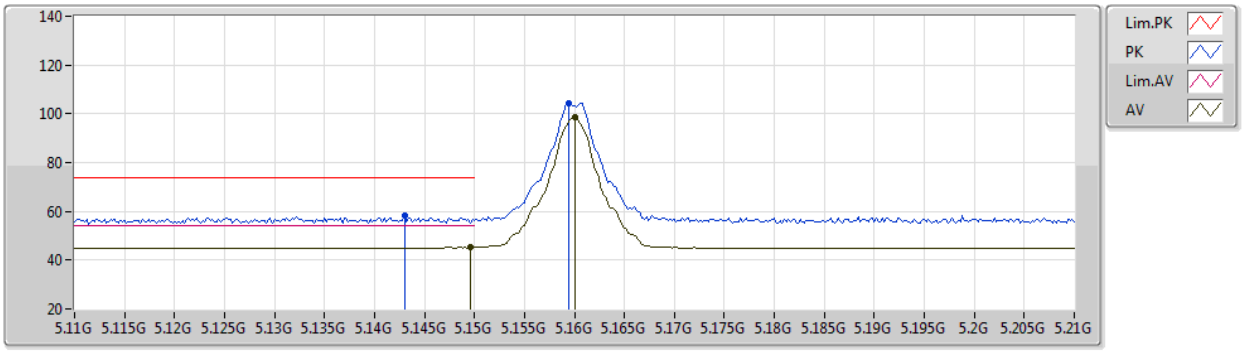
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
5160MHz	Pass	AV	5.1496G	45.24	54.00	-8.76	3	Vertical	218	3.00	-
5160MHz	Pass	AV	5.16G	98.66	Inf	-Inf	3	Vertical	218	3.00	-
5160MHz	Pass	PK	5.143G	58.02	74.00	-15.98	3	Vertical	218	3.00	-
5160MHz	Pass	PK	5.1594G	104.52	Inf	-Inf	3	Vertical	218	3.00	-
5160MHz	Pass	AV	5.15G	45.21	54.00	-8.79	3	Horizontal	307	1.99	-
5160MHz	Pass	AV	5.16G	101.64	Inf	-Inf	3	Horizontal	307	1.99	-
5160MHz	Pass	PK	5.1422G	57.75	74.00	-16.25	3	Horizontal	307	1.99	-
5160MHz	Pass	PK	5.1594G	107.47	Inf	-Inf	3	Horizontal	307	1.99	-
5160MHz	Pass	PK	10.31869G	63.02	68.20	-5.18	3	Vertical	89	2.22	-
5160MHz	Pass	PK	10.32107G	58.81	68.20	-9.39	3	Horizontal	215	1.44	-
5200MHz	Pass	AV	5.1384G	45.08	54.00	-8.92	3	Vertical	221	2.92	-
5200MHz	Pass	AV	5.2G	97.68	Inf	-Inf	3	Vertical	221	2.92	-
5200MHz	Pass	PK	5.1352G	57.83	74.00	-16.17	3	Vertical	221	2.92	-
5200MHz	Pass	PK	5.1992G	103.40	Inf	-Inf	3	Vertical	221	2.92	-
5200MHz	Pass	AV	5.1356G	45.27	54.00	-8.73	3	Horizontal	315	1.98	-
5200MHz	Pass	AV	5.2G	100.63	Inf	-Inf	3	Horizontal	315	1.98	-
5200MHz	Pass	PK	5.1112G	58.60	74.00	-15.40	3	Horizontal	315	1.98	-
5200MHz	Pass	PK	5.1996G	106.45	Inf	-Inf	3	Horizontal	315	1.98	-
5200MHz	Pass	PK	10.40118G	62.90	68.20	-5.30	3	Vertical	92	2.24	-
5200MHz	Pass	PK	10.40114G	58.00	68.20	-10.20	3	Horizontal	197	1.48	-
5240MHz	Pass	AV	5.1434G	45.33	54.00	-8.67	3	Vertical	215	2.89	-
5240MHz	Pass	AV	5.24G	97.52	Inf	-Inf	3	Vertical	215	2.89	-
5240MHz	Pass	AV	5.3678G	44.45	54.00	-9.55	3	Vertical	215	2.89	-
5240MHz	Pass	PK	5.1002G	58.08	74.00	-15.92	3	Vertical	215	2.89	-
5240MHz	Pass	PK	5.2394G	103.19	Inf	-Inf	3	Vertical	215	2.89	-
5240MHz	Pass	PK	5.3648G	57.15	74.00	-16.85	3	Vertical	215	2.89	-
5240MHz	Pass	AV	5.1434G	45.54	54.00	-8.46	3	Horizontal	307	1.92	-
5240MHz	Pass	AV	5.24G	101.95	Inf	-Inf	3	Horizontal	307	1.92	-
5240MHz	Pass	AV	5.3678G	44.85	54.00	-9.15	3	Horizontal	307	1.92	-
5240MHz	Pass	PK	5.1434G	58.40	74.00	-15.60	3	Horizontal	307	1.92	-
5240MHz	Pass	PK	5.2406G	107.67	Inf	-Inf	3	Horizontal	307	1.92	-
5240MHz	Pass	PK	5.3636G	57.37	74.00	-16.63	3	Horizontal	307	1.92	-
5240MHz	Pass	PK	10.47866G	62.39	68.20	-5.81	3	Vertical	98	2.32	-
5240MHz	Pass	PK	10.48119G	58.55	68.20	-9.65	3	Horizontal	197	1.53	-
5735MHz	Pass	AV	5.447G	44.65	54.00	-9.35	3	Vertical	245	2.49	-
5735MHz	Pass	AV	5.735G	99.01	Inf	-Inf	3	Vertical	245	2.49	-
5735MHz	Pass	PK	5.5382G	57.81	68.20	-10.39	3	Vertical	245	2.49	-
5735MHz	Pass	PK	5.7362G	104.76	Inf	-Inf	3	Vertical	245	2.49	-
5735MHz	Pass	PK	6.0014G	58.24	68.20	-9.96	3	Vertical	245	2.49	-
5735MHz	Pass	AV	5.447G	44.73	54.00	-9.27	3	Horizontal	206	1.49	-
5735MHz	Pass	AV	5.735G	99.40	Inf	-Inf	3	Horizontal	206	1.49	-
5735MHz	Pass	PK	5.555G	57.57	68.20	-10.63	3	Horizontal	206	1.49	-
5735MHz	Pass	PK	5.7362G	105.10	Inf	-Inf	3	Horizontal	206	1.49	-
5735MHz	Pass	PK	5.9702G	58.06	68.20	-10.14	3	Horizontal	206	1.49	-
5735MHz	Pass	AV	11.47103G	50.85	54.00	-3.15	3	Vertical	94	2.18	-
5735MHz	Pass	PK	11.46855G	61.84	74.00	-12.16	3	Vertical	94	2.18	-
5735MHz	Pass	AV	11.46879G	46.43	54.00	-7.57	3	Horizontal	261	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5735MHz	Pass	PK	11.4688G	59.14	74.00	-14.86	3	Horizontal	261	1.00	-
5790MHz	Pass	AV	5.79G	96.61	Inf	-Inf	3	Vertical	226	2.93	-
5790MHz	Pass	PK	5.532G	57.58	68.20	-10.62	3	Vertical	226	2.93	-
5790MHz	Pass	PK	5.7912G	102.30	Inf	-Inf	3	Vertical	226	2.93	-
5790MHz	Pass	PK	6.072G	58.80	68.20	-9.40	3	Vertical	226	2.93	-
5790MHz	Pass	AV	5.79G	99.98	Inf	-Inf	3	Horizontal	279	1.79	-
5790MHz	Pass	PK	5.616G	57.91	68.20	-10.29	3	Horizontal	279	1.79	-
5790MHz	Pass	PK	5.7912G	105.71	Inf	-Inf	3	Horizontal	279	1.79	-
5790MHz	Pass	PK	6.012G	58.27	68.20	-9.93	3	Horizontal	279	1.79	-
5790MHz	Pass	AV	11.58098G	49.83	54.00	-4.17	3	Vertical	60	1.68	-
5790MHz	Pass	PK	11.5811G	60.88	74.00	-13.12	3	Vertical	60	1.68	-
5790MHz	Pass	AV	11.57882G	44.54	54.00	-9.46	3	Horizontal	266	1.50	-
5790MHz	Pass	PK	11.58094G	57.60	74.00	-16.40	3	Horizontal	266	1.50	-
5840MHz	Pass	AV	5.84G	95.38	Inf	-Inf	3	Vertical	227	2.90	-
5840MHz	Pass	PK	5.5436G	58.27	68.20	-9.93	3	Vertical	227	2.90	-
5840MHz	Pass	PK	5.8388G	101.52	Inf	-Inf	3	Vertical	227	2.90	-
5840MHz	Pass	PK	6.05G	58.33	68.20	-9.87	3	Vertical	227	2.90	-
5840MHz	Pass	AV	5.84G	98.46	Inf	-Inf	3	Horizontal	200	1.44	-
5840MHz	Pass	PK	5.5736G	57.44	68.20	-10.76	3	Horizontal	200	1.44	-
5840MHz	Pass	PK	5.8388G	104.45	Inf	-Inf	3	Horizontal	200	1.44	-
5840MHz	Pass	PK	6.1076G	59.73	68.20	-8.47	3	Horizontal	200	1.44	-
5840MHz	Pass	AV	11.67874G	48.97	54.00	-5.03	3	Vertical	61	1.66	-
5840MHz	Pass	PK	11.68122G	60.39	74.00	-13.61	3	Vertical	61	1.66	-
5840MHz	Pass	AV	11.68106G	45.29	54.00	-8.71	3	Horizontal	268	2.12	-
5840MHz	Pass	PK	11.68122G	58.07	74.00	-15.93	3	Horizontal	268	2.12	-

SRD_Nss1_1TX

5160MHz_TX

08/08/2020

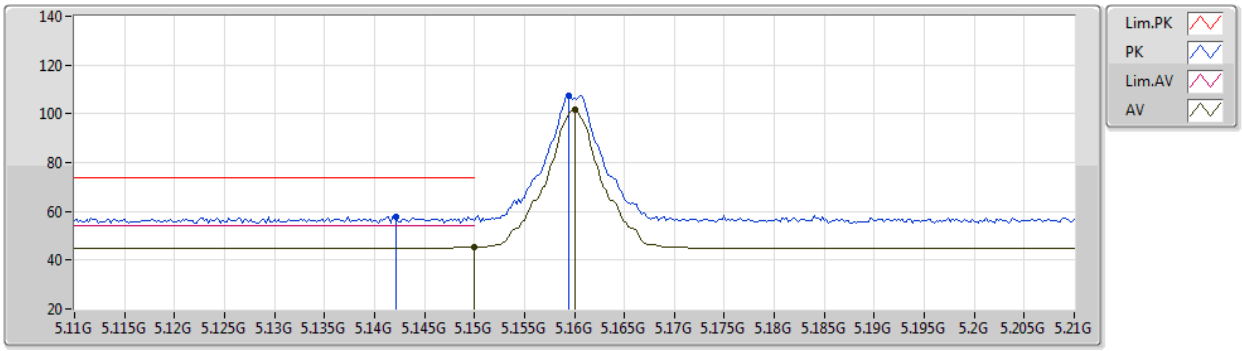


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1496G	45.24	54.00	-8.76	6.38	3	Vertical	218	3.00	-	38.86	31.70	8.52	33.84
AV	5.16G	98.66	Inf	-Inf	6.35	3	Vertical	218	3.00	-	92.31	31.66	8.53	33.84
PK	5.143G	58.02	74.00	-15.98	6.39	3	Vertical	218	3.00	-	51.63	31.70	8.52	33.83
PK	5.1594G	104.52	Inf	-Inf	6.35	3	Vertical	218	3.00	-	98.17	31.66	8.53	33.84

SRD_Nss1_1TX

5160MHz_TX

08/08/2020

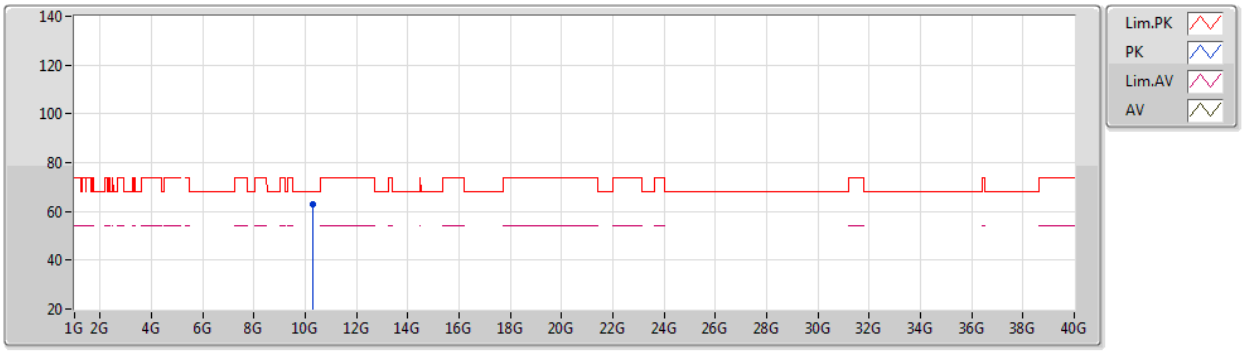


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	45.21	54.00	-8.79	6.38	3	Horizontal	307	1.99	-	38.83	31.70	8.52	33.84
AV	5.16G	101.64	Inf	-Inf	6.35	3	Horizontal	307	1.99	-	95.29	31.66	8.53	33.84
PK	5.1422G	57.75	74.00	-16.25	6.39	3	Horizontal	307	1.99	-	51.36	31.70	8.52	33.83
PK	5.1594G	107.47	Inf	-Inf	6.35	3	Horizontal	307	1.99	-	101.12	31.66	8.53	33.84

SRD_Nss1_1TX

5160MHz_TX

08/08/2020

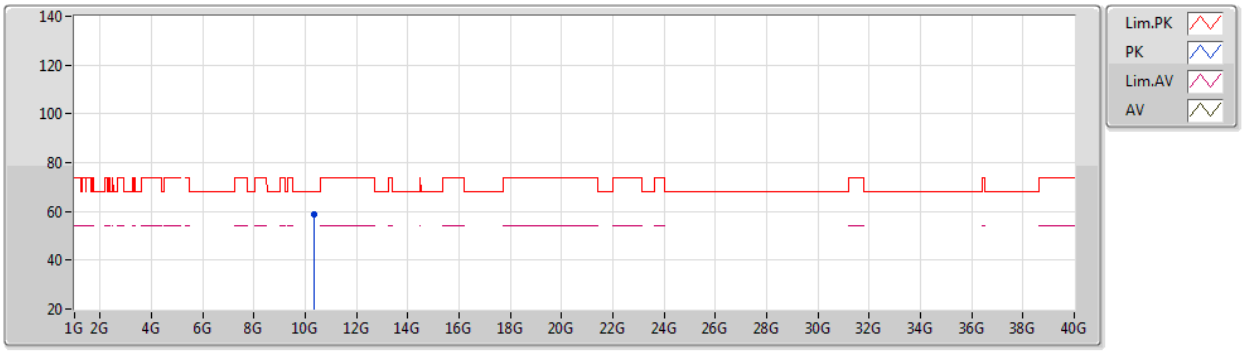


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.31869G	63.02	68.20	-5.18	17.15	3	Vertical	89	2.22	-	45.87	39.26	12.16	34.27

SRD_Nss1_1TX

5160MHz_TX

08/08/2020

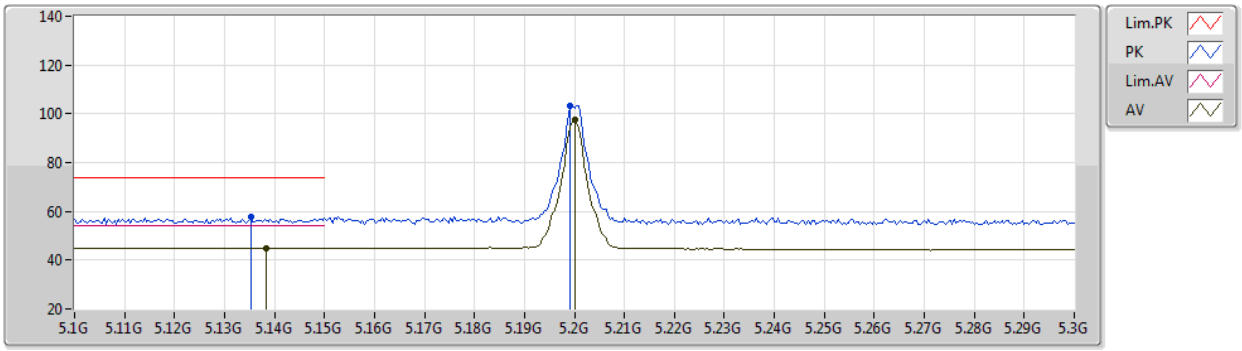


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.32107G	58.81	68.20	-9.39	17.15	3	Horizontal	215	1.44	-	41.66	39.26	12.16	34.27

SRD_Nss1_1TX

5200MHz_TX

08/08/2020

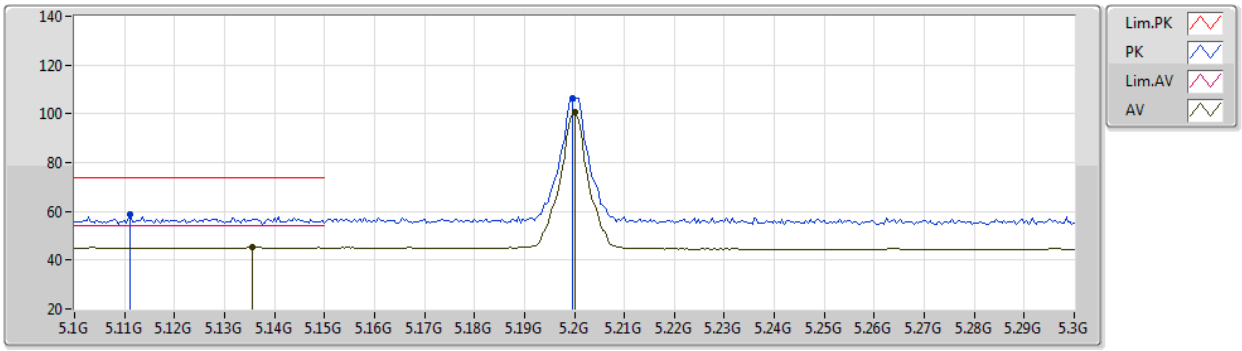


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1384G	45.08	54.00	-8.92	6.38	3	Vertical	221	2.92	-	38.70	31.70	8.51	33.83
AV	5.2G	97.68	Inf	-Inf	6.22	3	Vertical	221	2.92	-	91.46	31.50	8.57	33.85
PK	5.1352G	57.83	74.00	-16.17	6.38	3	Vertical	221	2.92	-	51.45	31.70	8.51	33.83
PK	5.1992G	103.40	Inf	-Inf	6.22	3	Vertical	221	2.92	-	97.18	31.50	8.57	33.85

SRD_Nss1_1TX

5200MHz_TX

08/08/2020

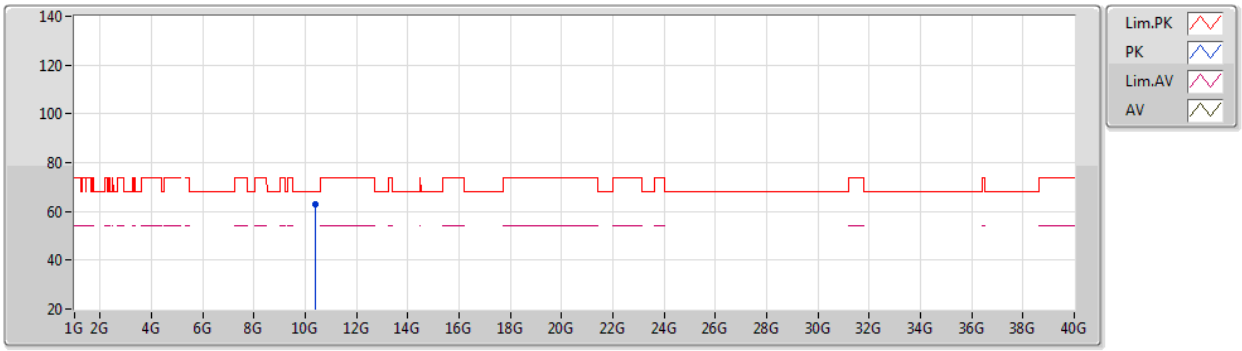


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1356G	45.27	54.00	-8.73	6.38	3	Horizontal	315	1.98	-	38.89	31.70	8.51	33.83
AV	5.2G	100.63	Inf	-Inf	6.22	3	Horizontal	315	1.98	-	94.41	31.50	8.57	33.85
PK	5.1112G	58.60	74.00	-15.40	6.36	3	Horizontal	315	1.98	-	52.24	31.70	8.49	33.83
PK	5.1996G	106.45	Inf	-Inf	6.22	3	Horizontal	315	1.98	-	100.23	31.50	8.57	33.85

SRD_Nss1_1TX

5200MHz_TX

08/08/2020

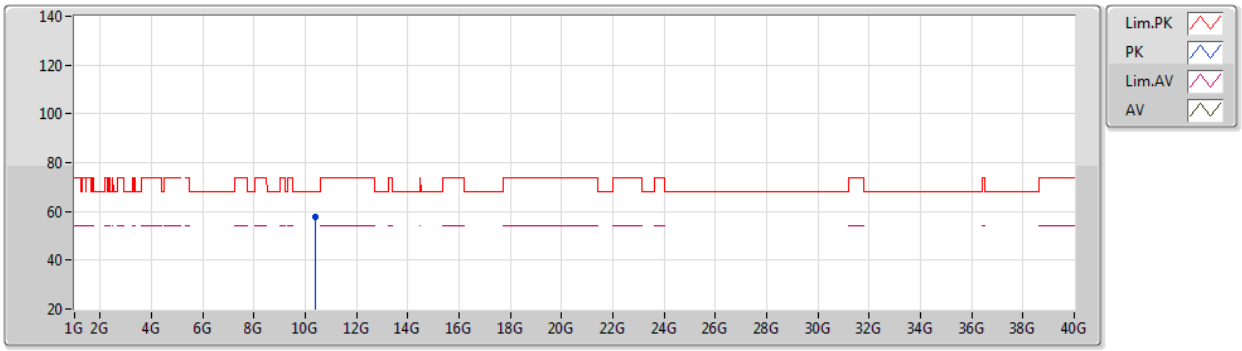


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.40118G	62.90	68.20	-5.30	17.50	3	Vertical	92	2.24	-	45.40	39.50	12.20	34.20

SRD_Nss1_1TX

5200MHz_TX

08/08/2020

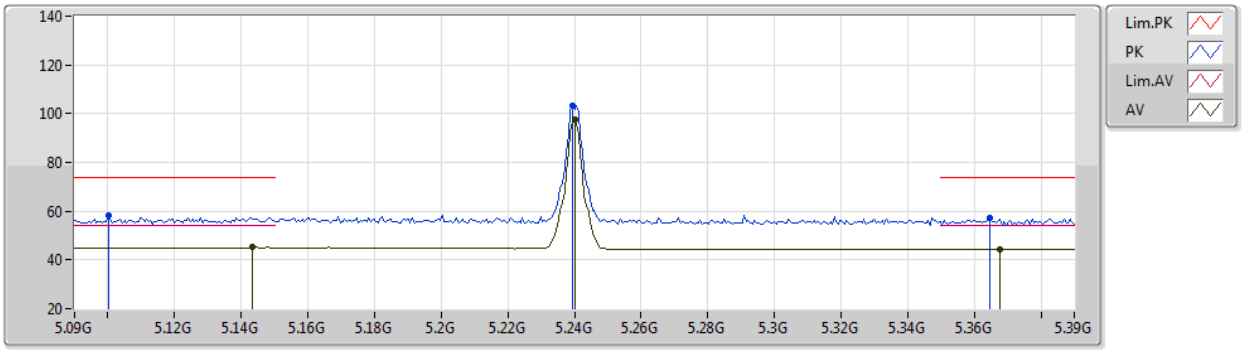


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.40114G	58.00	68.20	-10.20	17.50	3	Horizontal	197	1.48	-	40.50	39.50	12.20	34.20

SRD_Nss1_1TX

5240MHz_TX

08/08/2020

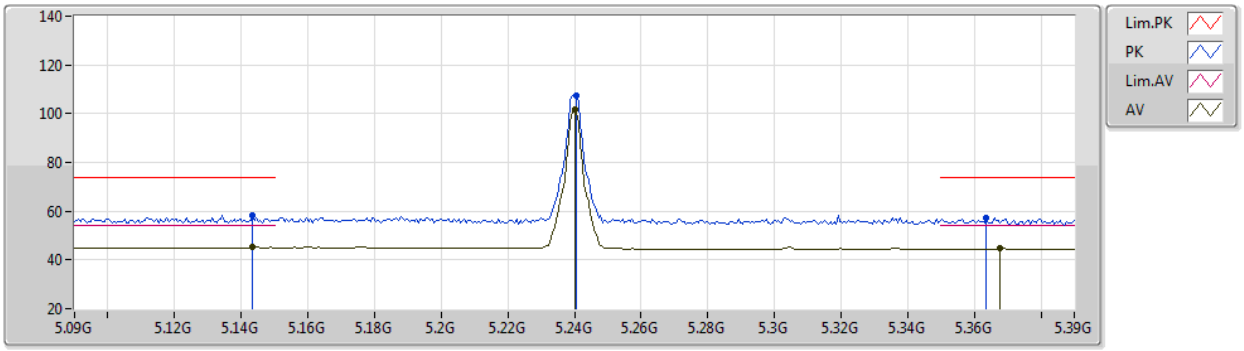


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1434G	45.33	54.00	-8.67	6.39	3	Vertical	215	2.89	-	38.94	31.70	8.52	33.83
AV	5.24G	97.52	Inf	-Inf	5.98	3	Vertical	215	2.89	-	91.54	31.26	8.58	33.86
AV	5.3678G	44.45	54.00	-9.55	5.82	3	Vertical	215	2.89	-	38.63	31.11	8.60	33.89
PK	5.1002G	58.08	74.00	-15.92	6.36	3	Vertical	215	2.89	-	51.72	31.70	8.48	33.82
PK	5.2394G	103.19	Inf	-Inf	5.98	3	Vertical	215	2.89	-	97.21	31.26	8.58	33.86
PK	5.3648G	57.15	74.00	-16.85	5.80	3	Vertical	215	2.89	-	51.35	31.09	8.60	33.89

SRD_Nss1_1TX

5240MHz_TX

08/08/2020

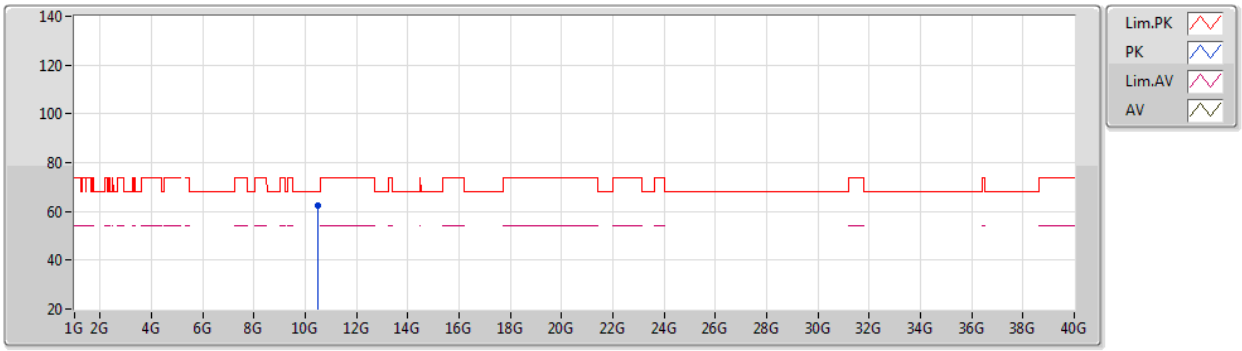


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1434G	45.54	54.00	-8.46	6.39	3	Horizontal	307	1.92	-	39.15	31.70	8.52	33.83
AV	5.24G	101.95	Inf	-Inf	5.98	3	Horizontal	307	1.92	-	95.97	31.26	8.58	33.86
AV	5.3678G	44.85	54.00	-9.15	5.82	3	Horizontal	307	1.92	-	39.03	31.11	8.60	33.89
PK	5.1434G	58.40	74.00	-15.60	6.39	3	Horizontal	307	1.92	-	52.01	31.70	8.52	33.83
PK	5.2406G	107.67	Inf	-Inf	5.98	3	Horizontal	307	1.92	-	101.69	31.26	8.58	33.86
PK	5.3636G	57.37	74.00	-16.63	5.79	3	Horizontal	307	1.92	-	51.58	31.08	8.60	33.89

SRD_Nss1_1TX

5240MHz_TX

08/08/2020

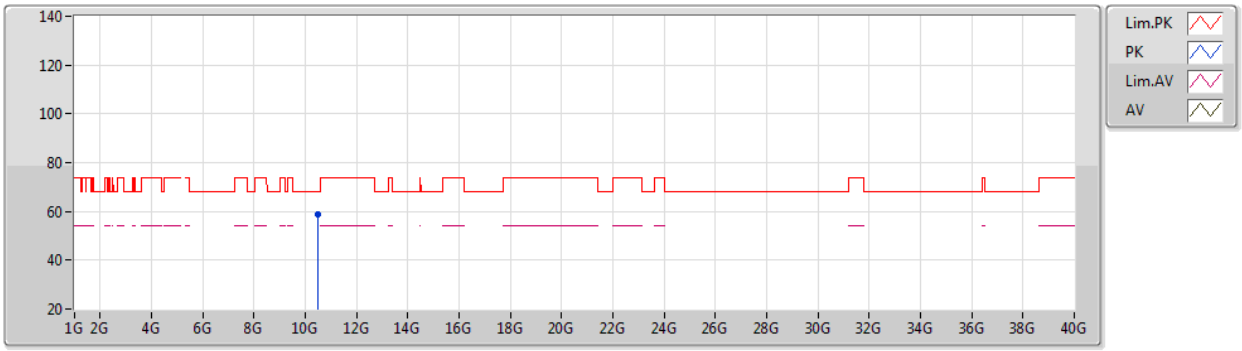


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.47866G	62.39	68.20	-5.81	17.77	3	Vertical	98	2.32	-	44.62	39.66	12.24	34.13

SRD_Nss1_1TX

5240MHz_TX

08/08/2020

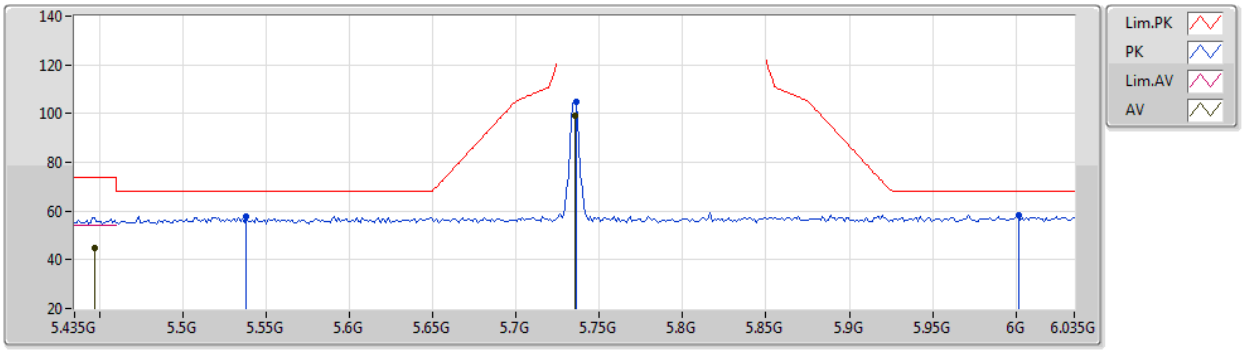


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.48119G	58.55	68.20	-9.65	17.77	3	Horizontal	197	1.53	-	40.78	39.66	12.24	34.13

SRD_Nss1_1TX

5735MHz_TX

08/08/2020

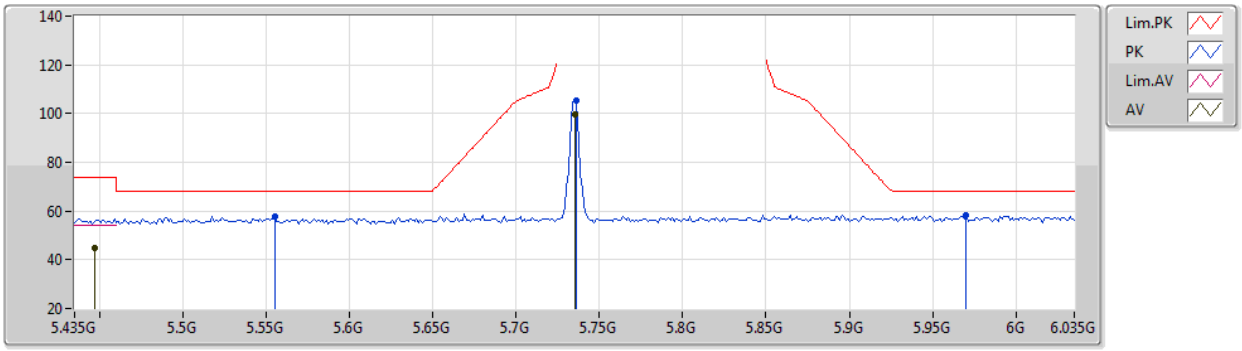


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.447G	44.65	54.00	-9.35	6.35	3	Vertical	245	2.49	-	38.30	31.58	8.68	33.91
AV	5.735G	99.01	Inf	-Inf	7.00	3	Vertical	245	2.49	-	92.01	31.94	9.02	33.96
PK	5.5382G	57.81	68.20	-10.39	6.50	3	Vertical	245	2.49	-	51.31	31.62	8.81	33.93
PK	5.7362G	104.76	Inf	-Inf	7.00	3	Vertical	245	2.49	-	97.76	31.94	9.02	33.96
PK	6.0014G	58.24	68.20	-9.96	7.57	3	Vertical	245	2.49	-	50.67	32.40	9.17	34.00

SRD_Nss1_1TX

5735MHz_TX

08/08/2020

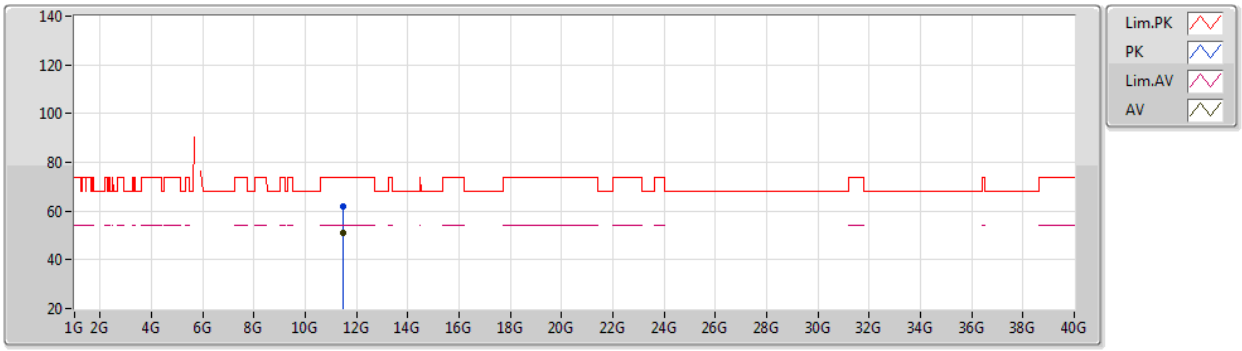


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.447G	44.73	54.00	-9.27	6.35	3	Horizontal	206	1.49	-	38.38	31.58	8.68	33.91
AV	5.735G	99.40	Inf	-Inf	7.00	3	Horizontal	206	1.49	-	92.40	31.94	9.02	33.96
PK	5.555G	57.57	68.20	-10.63	6.50	3	Horizontal	206	1.49	-	51.07	31.60	8.83	33.93
PK	5.7362G	105.10	Inf	-Inf	7.00	3	Horizontal	206	1.49	-	98.10	31.94	9.02	33.96
PK	5.9702G	58.06	68.20	-10.14	7.50	3	Horizontal	206	1.49	-	50.56	32.34	9.16	34.00

SRD_Nss1_1TX

5735MHz_TX

08/08/2020

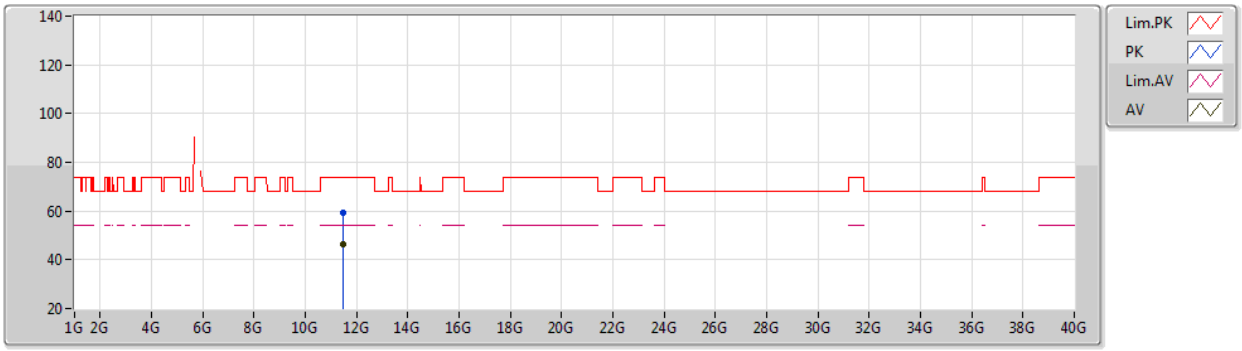


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.47103G	50.85	54.00	-3.15	18.91	3	Vertical	94	2.18	-	31.94	39.94	12.74	33.77
PK	11.46855G	61.84	74.00	-12.16	18.90	3	Vertical	94	2.18	-	42.94	39.94	12.74	33.78

SRD_Nss1_1TX

5735MHz_TX

08/08/2020

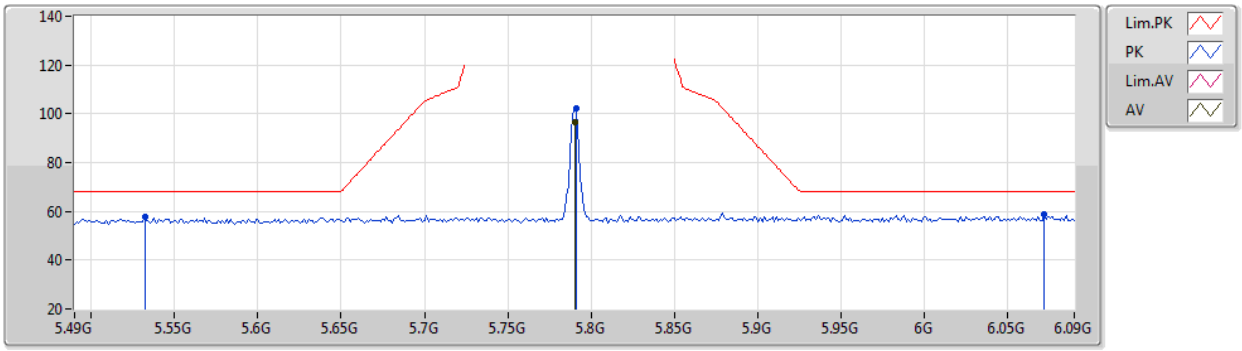


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.46879G	46.43	54.00	-7.57	18.91	3	Horizontal	261	1.00	-	27.52	39.94	12.74	33.77
PK	11.4688G	59.14	74.00	-14.86	18.91	3	Horizontal	261	1.00	-	40.23	39.94	12.74	33.77

SRD_Nss1_1TX

5790MHz_TX

10/08/2020

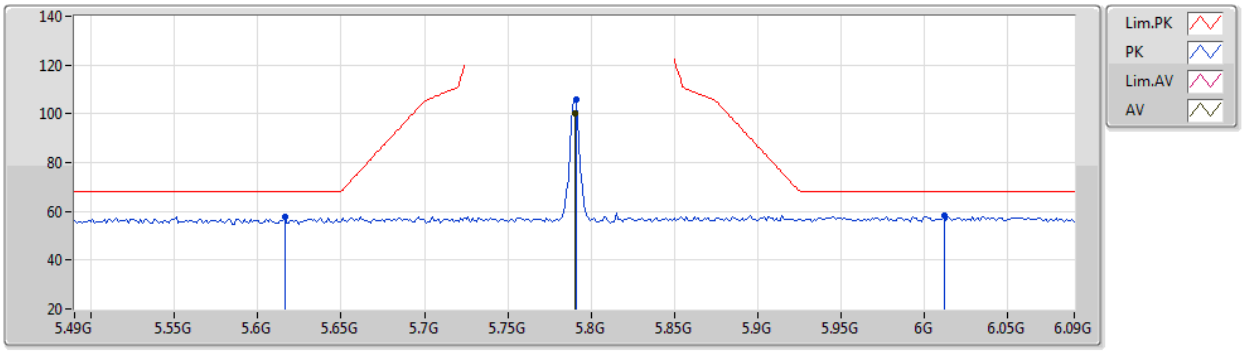


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.79G	96.61	Inf	-Inf	7.10	3	Vertical	226	2.93	-	89.51	32.00	9.07	33.97
PK	5.532G	57.58	68.20	-10.62	6.51	3	Vertical	226	2.93	-	51.07	31.64	8.80	33.93
PK	5.7912G	102.30	Inf	-Inf	7.10	3	Vertical	226	2.93	-	95.20	32.00	9.07	33.97
PK	6.072G	58.80	68.20	-9.40	7.57	3	Vertical	226	2.93	-	51.23	32.34	9.23	34.00

SRD_Nss1_1TX

5790MHz_TX

10/08/2020

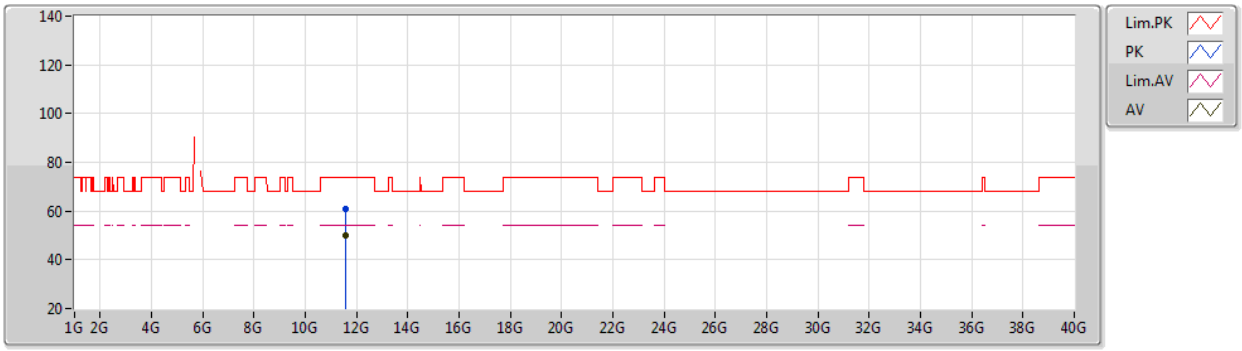


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.79G	99.98	Inf	-Inf	7.10	3	Horizontal	279	1.79	-	92.88	32.00	9.07	33.97
PK	5.616G	57.91	68.20	-10.29	6.60	3	Horizontal	279	1.79	-	51.31	31.63	8.91	33.94
PK	5.7912G	105.71	Inf	-Inf	7.10	3	Horizontal	279	1.79	-	98.61	32.00	9.07	33.97
PK	6.012G	58.27	68.20	-9.93	7.56	3	Horizontal	279	1.79	-	50.71	32.38	9.18	34.00

SRD_Nss1_1TX

5790MHz_TX

10/08/2020

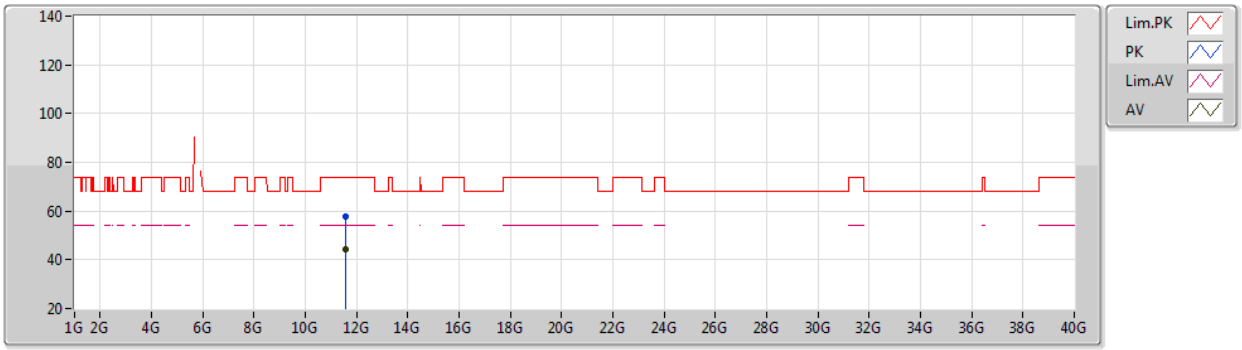


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.58098G	49.83	54.00	-4.17	18.91	3	Vertical	60	1.68	-	30.92	39.92	12.80	33.81
PK	11.5811G	60.88	74.00	-13.12	18.91	3	Vertical	60	1.68	-	41.97	39.92	12.80	33.81

SRD_Nss1_1TX

5790MHz_TX

10/08/2020

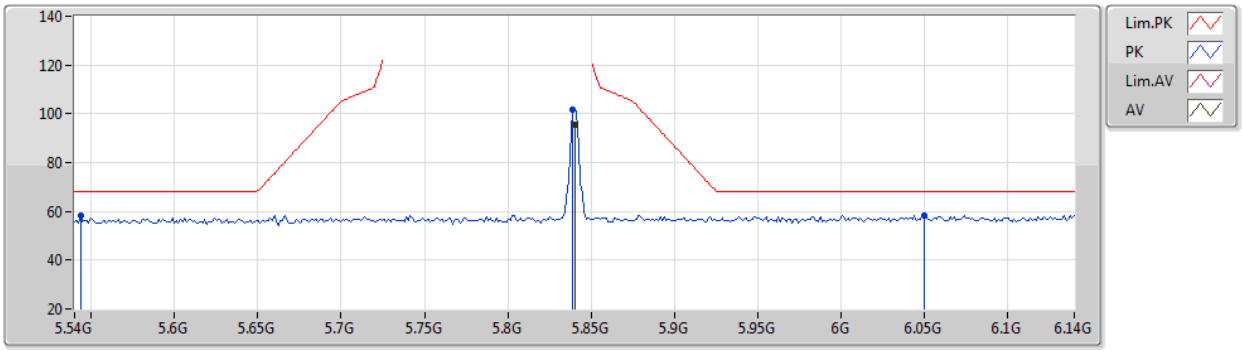


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.57882G	44.54	54.00	-9.46	18.91	3	Horizontal	266	1.50	-	25.63	39.92	12.80	33.81
PK	11.58094G	57.60	74.00	-16.40	18.91	3	Horizontal	266	1.50	-	38.69	39.92	12.80	33.81

SRD_Nss1_1TX

5840MHz_TX

10/08/2020

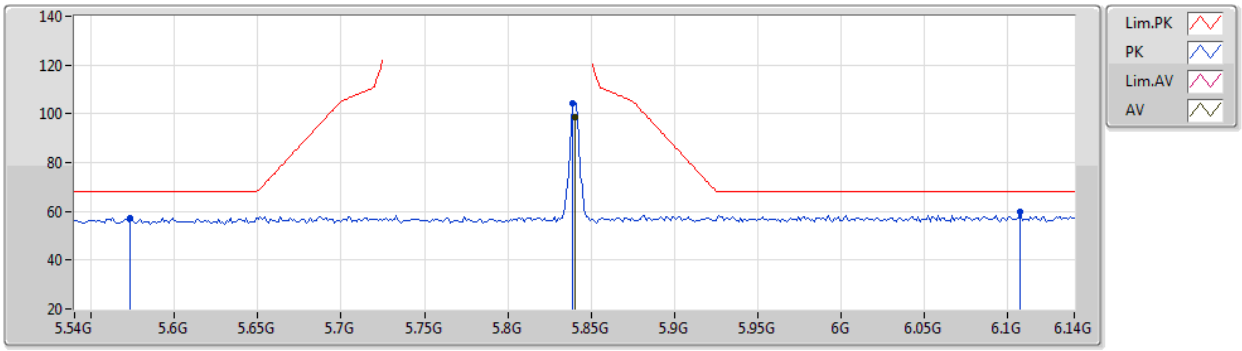


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.84G	95.38	Inf	-Inf	7.29	3	Vertical	227	2.90	-	88.09	32.16	9.10	33.97
PK	5.5436G	58.27	68.20	-9.93	6.50	3	Vertical	227	2.90	-	51.77	31.61	8.82	33.93
PK	5.8388G	101.52	Inf	-Inf	7.29	3	Vertical	227	2.90	-	94.23	32.16	9.10	33.97
PK	6.05G	58.33	68.20	-9.87	7.51	3	Vertical	227	2.90	-	50.82	32.30	9.21	34.00

SRD_Nss1_1TX

5840MHz_TX

10/08/2020

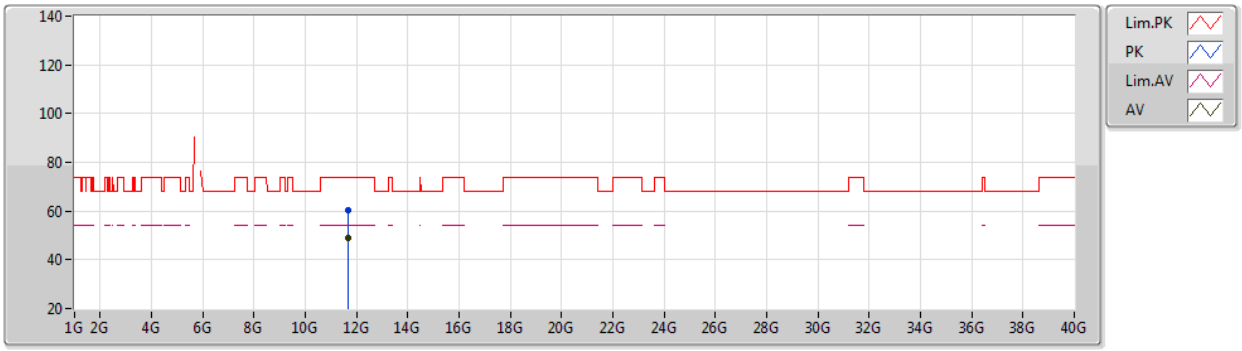


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.84G	98.46	Inf	-Inf	7.29	3	Horizontal	200	1.44	-	91.17	32.16	9.10	33.97
PK	5.5736G	57.44	68.20	-10.76	6.53	3	Horizontal	200	1.44	-	50.91	31.60	8.86	33.93
PK	5.8388G	104.45	Inf	-Inf	7.29	3	Horizontal	200	1.44	-	97.16	32.16	9.10	33.97
PK	6.1076G	59.73	68.20	-8.47	7.68	3	Horizontal	200	1.44	-	52.05	32.42	9.26	34.00

SRD_Nss1_1TX

5840MHz_TX

10/08/2020

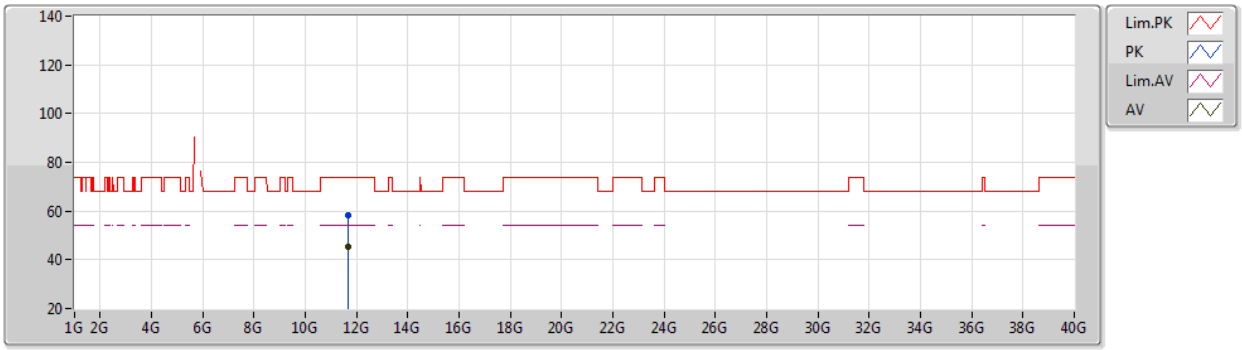


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.67874G	48.97	54.00	-5.03	18.34	3	Vertical	61	1.66	-	30.63	39.35	12.85	33.86
PK	11.68122G	60.39	74.00	-13.61	18.32	3	Vertical	61	1.66	-	42.07	39.33	12.85	33.86

SRD_Nss1_1TX

5840MHz_TX

10/08/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.68106G	45.29	54.00	-8.71	18.32	3	Horizontal	268	2.12	-	26.97	39.33	12.85	33.86
PK	11.68122G	58.07	74.00	-15.93	18.32	3	Horizontal	268	2.12	-	39.75	39.33	12.85	33.86