

NCC Test Report

Equipment : Point to Point Wireless Ethernet Bridge
Brand Name : Cambium Networks
Model No. : PTP 670
Standard : LP0002 Section 4.7 (2016-08-23)
Operating Band : 5725 MHz – 5850 MHz
Applicant : 聯達資訊股份有限公司
台北市內湖區港墘路 221 巷 41 號 9 樓
Manufacturer : CAMBIUM NETWORKS, LTD
Linhay Business Park, Eastern Road, Ashburton,
Devon, UK. TQ13 7UP

The product sample received on Feb. 27, 2014 and completely tested on Dec. 12, 2017. We, SPORTON, 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., the test report shall not be reproduced except in full.



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SPORTON INTERNATIONAL INC.



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Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	4.7.8	Antenna Requirement	Complied
3.1	2.3	AC Power-line Conducted Emissions	Complied
3.2	4.7.3	Emission Bandwidth	Complied
3.3	4.7.3	Maximum Conducted Output Power	Complied
3.4	4.7.3	Peak Power Spectral Density	Complied
3.5	4.7.4	Unwanted Emissions	Complied
3.6	-	Frequency Stability	Complied
3.7	2.11	Receiver Radiated Unwanted Emissions	Complied

1 General Description

1.1 Information

1.1.1 RF General Information

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	BPSK	10	2TX
5.725-5.85GHz	BPSK	20	2TX
5.725-5.85GHz	BPSK	40	2TX
5.725-5.85GHz	BPSK	45	2TX

Frequency Band	Channel Bandwidth	Bottom Channel Frequency	Middle Channel Frequency	Top Channel Frequency
5725~5850 MHz Band 4	10 MHz	5732 MHz	5787 MHz	5842 MHz
	20 MHz	5737 MHz	5787 MHz	5837 MHz
	40 MHz	5746 MHz	5786 MHz	5826 MHz
	45 MHz	5748 MHz	5778 MHz	5818 MHz

Frequency Band	Channel Bandwidth	Frequency					
5725~5850 MHz Band 4	10 MHz	5732 MHz	5737 MHz	5742 MHz	5747 MHz	5752 MHz	5757 MHz
		5762 MHz	5767 MHz	5772MHz	5777 MHz	5782 MHz	5787 MHz
		5792 MHz	5797 MHz	5802 MHz	5807 MHz	5812 MHz	5817 MHz
		5822 MHz	5827 MHz	5832 MHz	5837 MHz	5842 MHz	-
	20 MHz	5737 MHz	5742 MHz	5747 MHz	5752 MHz	5757 MHz	5762 MHz
		5767 MHz	5772 MHz	5777 MHz	5782 MHz	5787 MHz	5792 MHz
		5797 MHz	5802 MHz	5807 MHz	5812 MHz	5817 MHz	5822 MHz
		5827 MHz	5832 MHz	5837 MHz	-	-	-
	40 MHz	5746 MHz	5756 MHz	5766 MHz	5776 MHz	5786 MHz	5796 MHz
		5806 MHz	5816 MHz	5826 MHz	-	-	-
	45 MHz	5748 MHz	5758 MHz	5768 MHz	5778 MHz	5788 MHz	5798 MHz
		5808 MHz	5818 MHz	-	-	-	-

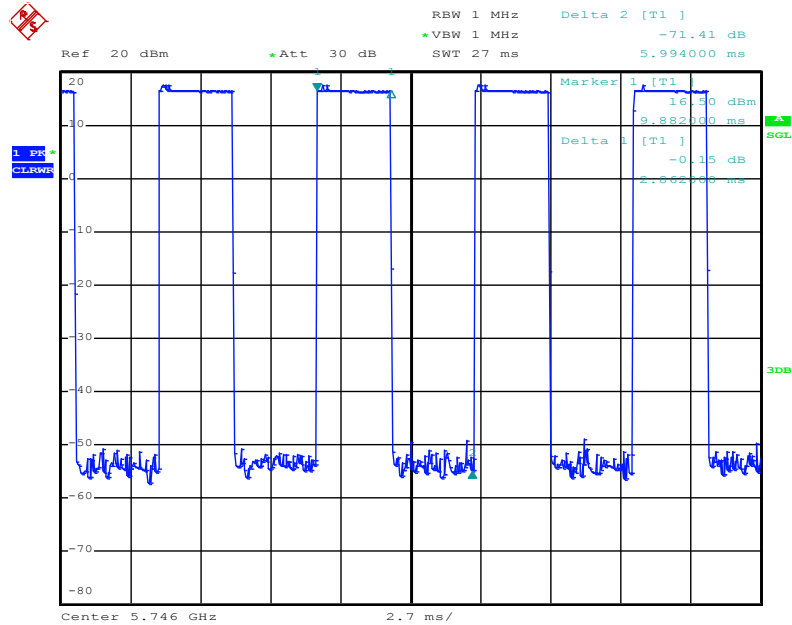
1.1.2 Antenna Information

Ant.	Brand	Part No.	Antenna Type	Connector	Gain (dBi)
1	MARS ANTENNAS	MA-WS54-50R	Dual polarized plate	MCX	23

1.1.3 EUT Information

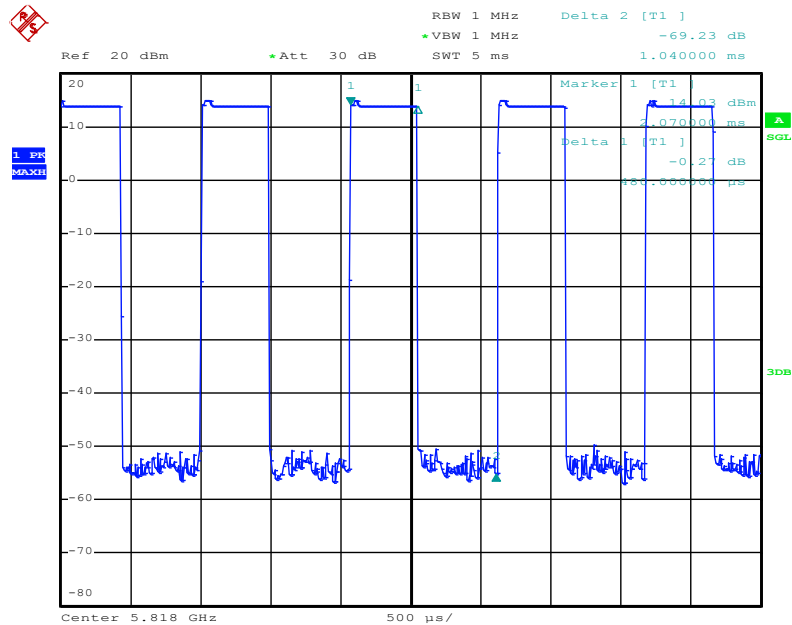
Operational Condition	
EUT Power Type	From PoE
Type of EUT	
☒	Stand-alone
☐	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
☐	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name / Model No.: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

40MHz



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45MHz



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1.2.1 Testing Applied Standards

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

- ♦ NCC LP0002 (2016-08-23)
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02
- ♦ ANSI C63.4-2014

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.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Jim	25°C / 52%	02/Apr/2014
RF Conducted (new)	TH01-HY	Gary	21.5°C / 61%	12/Dec/2017
Radiated(TX)	03CH09-HY	Andy	23.5°C / 55%	12/Dec/2017
Radiated(RX)	03CH02-HY	Lynus	22.2°C / 51.8%	13/Nov/2017
AC Conduction (TX)	CO01-CB	Sollo	24°C / 51%	10/Apr/2014
AC Conduction (RX)	CO04-HY	Thor	26.3°C / 62%	14/Nov/2017

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	110V
Freq. Stability	Abbreviation	Remark
-20°C	-	-
-10°C	-	-
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
126.5V	-	-
110V	-	-
93.5V	-	-

2.2 Test Channel Mode

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power Parameters of 10MHz

50650-01-11		
5732 MHz	5787 MHz	5842 MHz
24	24	25

Power Parameters of 20MHz

50650-01-11		
5737 MHz	5787 MHz	5837 MHz
25	24	26

Power Parameters of 40MHz

50650-01-11		
5746 MHz	5786 MHz	5826 MHz
27	24	26

Power Parameters of 45MHz

50650-01-11		
5748 MHz	5778 MHz	5818 MHz
27	25	27

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
1	PoE mode ; TX
2	PoE mode ; RX

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions Receiver Radiated 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	CTX/CRX		
1	PoE mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

2.4 Support Equipment

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E6430	DoC
2	Power injector AC+DC	Cambium Networks	E1000109B	N/A

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

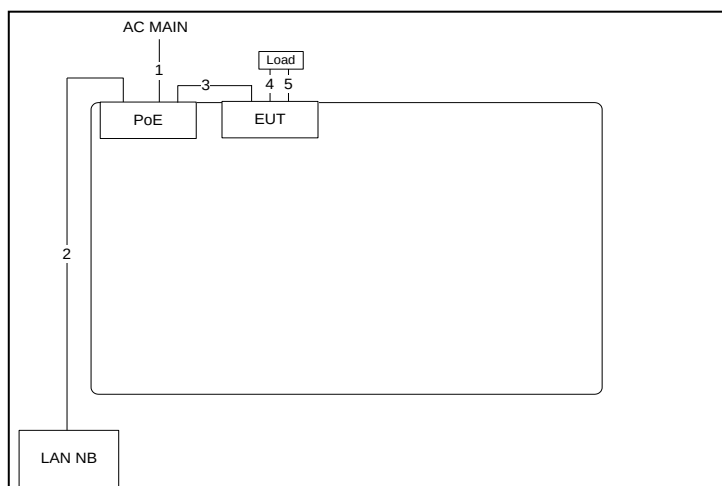
Support Equipment – Radiated Emission for CRX				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Transceiver	Finisar	FTLF8519P2BNL	DoC
2	Load	-	-	-

Support Equipment – AC Conduction TX				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E6430	DoC
2	Power injector AC+DC	Cambium Networks	E1000109B	-

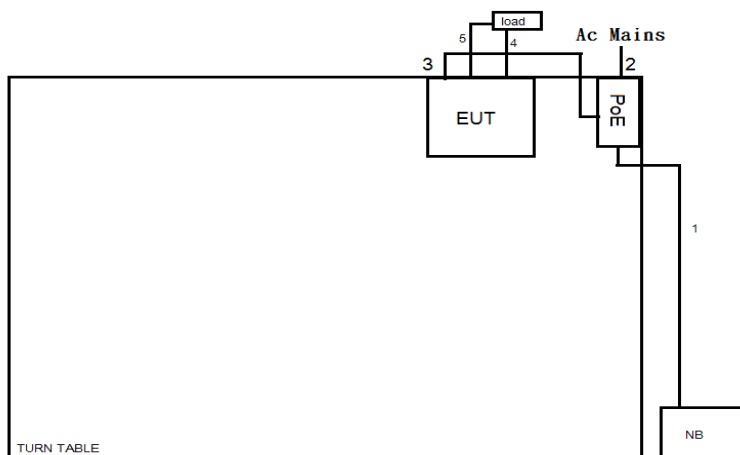
Support Equipment – AC Conduction RX				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Transceiver	Finisar	FTLF8519P2BNL	DoC
2	Load	-	-	-
3	Notebook	DELL	E5520	DoC

2.5 Test Setup Diagram

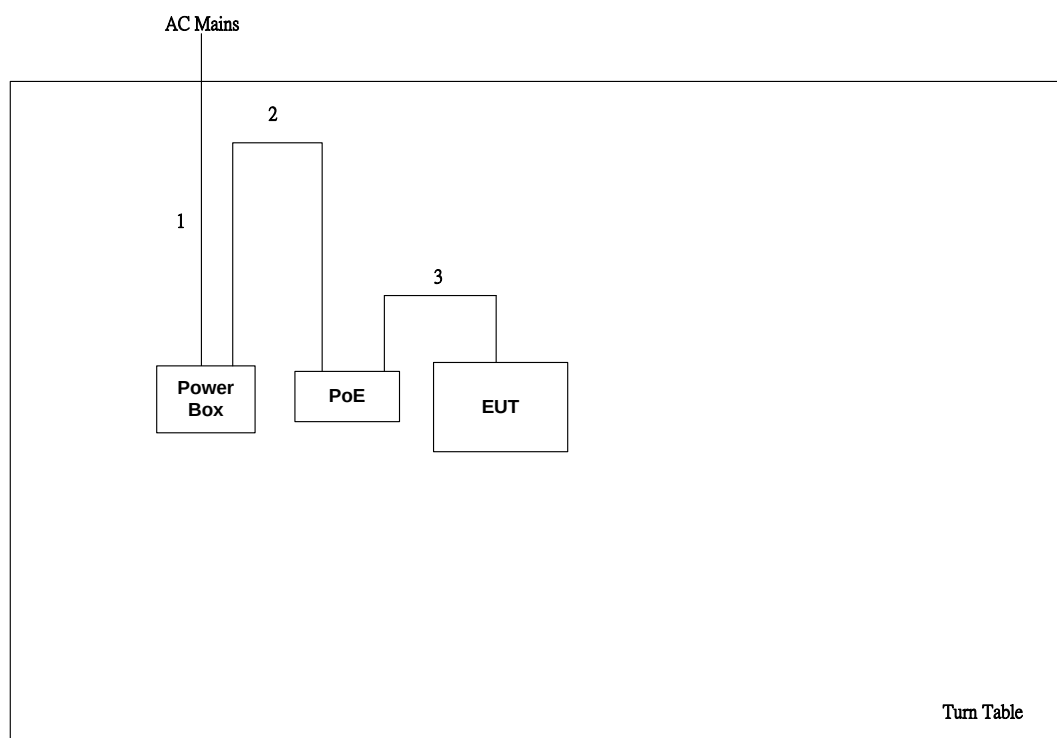
Test Setup Diagram – AC Line Conducted Emission Test TX



Item	Connection	Shielded	Length(m)	Remark
1	Power cable	No	1.8m	-
2	RJ-45 cable	No	10m	-
3	RJ-45 cable	No	1m	-
4	RJ-45 cable*1	No	3m	Load
5	Fiber cable*1	No	10m	Load

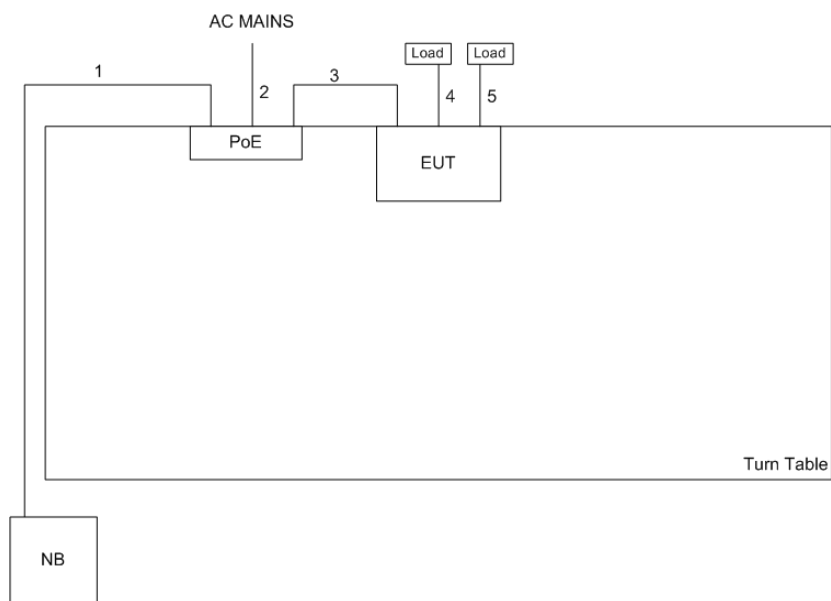
Test Setup Diagram – AC Line Conducted Emission Test RX


Item	Connection	Shielded	Length(m)	Remark
1	RJ-45 cable	No	10m	-
2	AC Power line	No	1.8m	-
3	RJ-45 cable	No	1.5m	-
4	RJ-45 cable	No	1.5m	-
5	Fiber cable	No	5m	-

Test Setup Diagram - Radiated Test for CTX


Item	Connection	Shield	Length(m)	Remark
1	AC Power line	No	1.8m	-
2	AC Power line	No	1.8m	-
3	RJ-45 cable	No	1.5m	-

Test Setup Diagram - Radiated Test for CRX



Item	Connection	Shield	Length(m)	Remark
1	AC Power line	No	1.8m	-
2	AC Power line	No	1.8m	-
3	RJ-45 cable	No	1.5m	-

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.

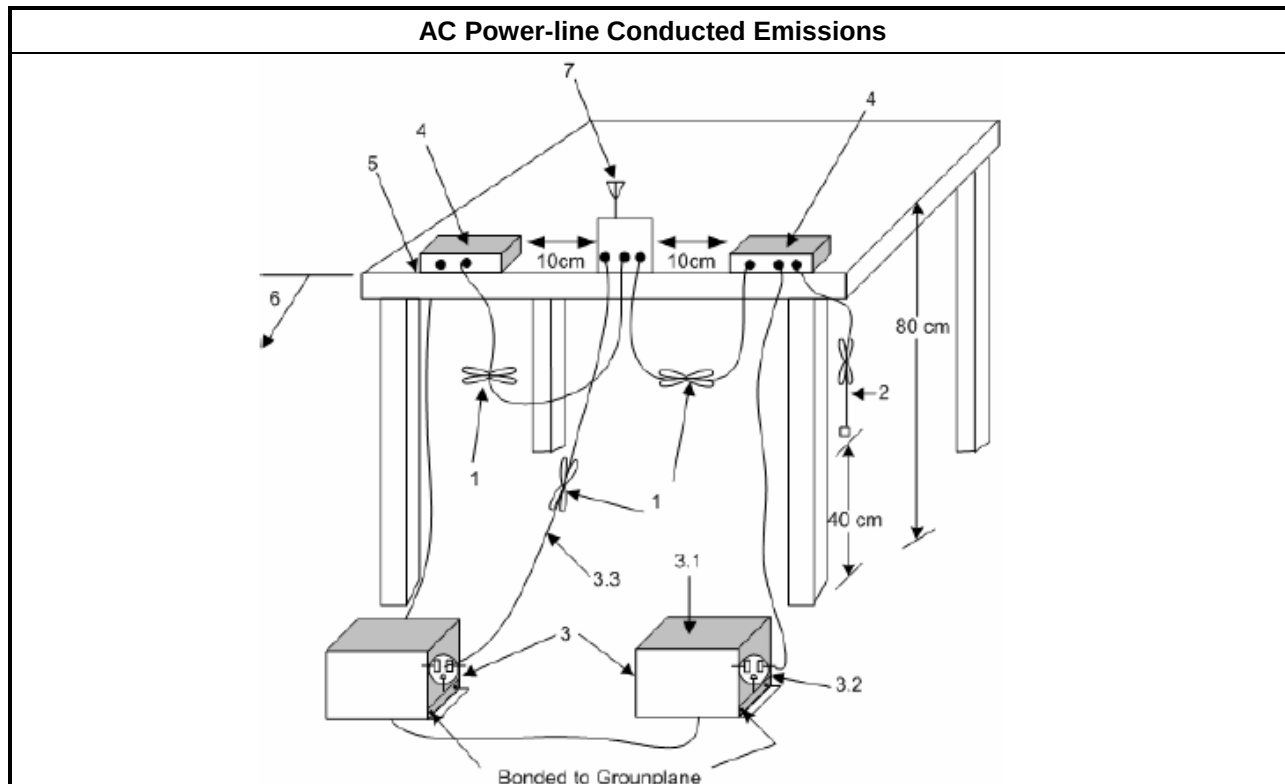
3.1.2 Measuring Instruments

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 Test Setup



3.1.5 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, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

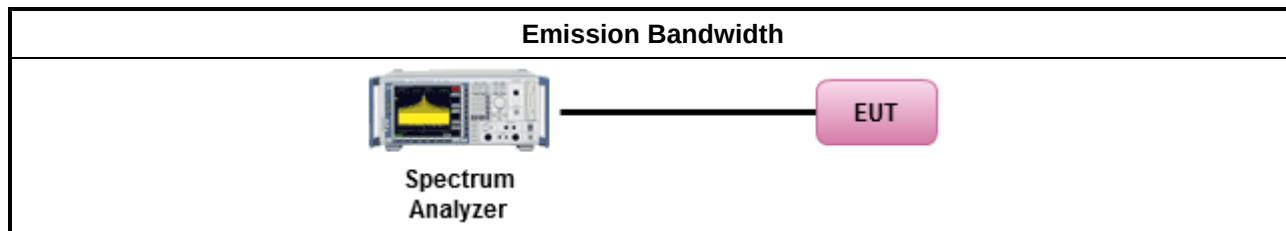
3.2.2 Measuring Instruments

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 6.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, 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.	

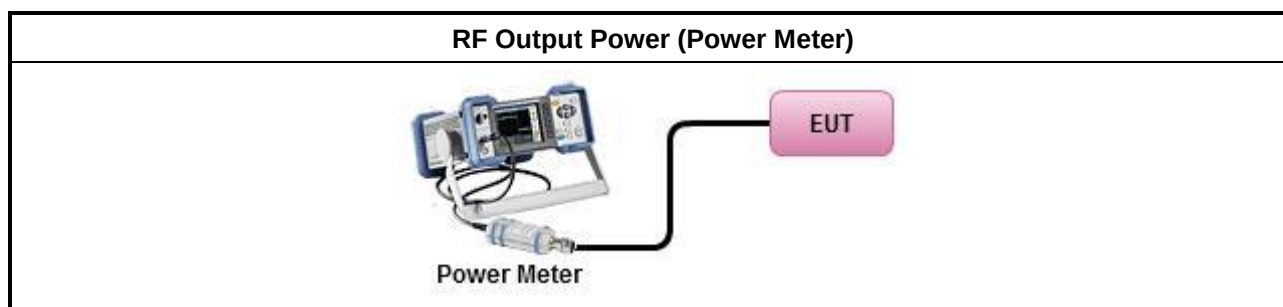
3.3.2 Measuring Instruments

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 $\geq 98\%$
☐	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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 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.	

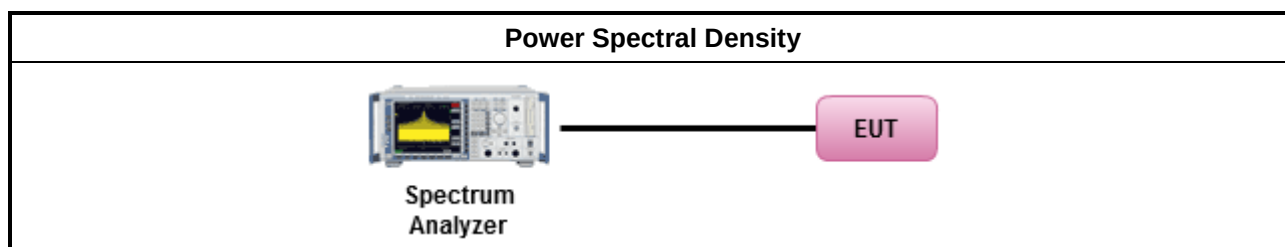
3.4.2 Measuring Instruments

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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



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).

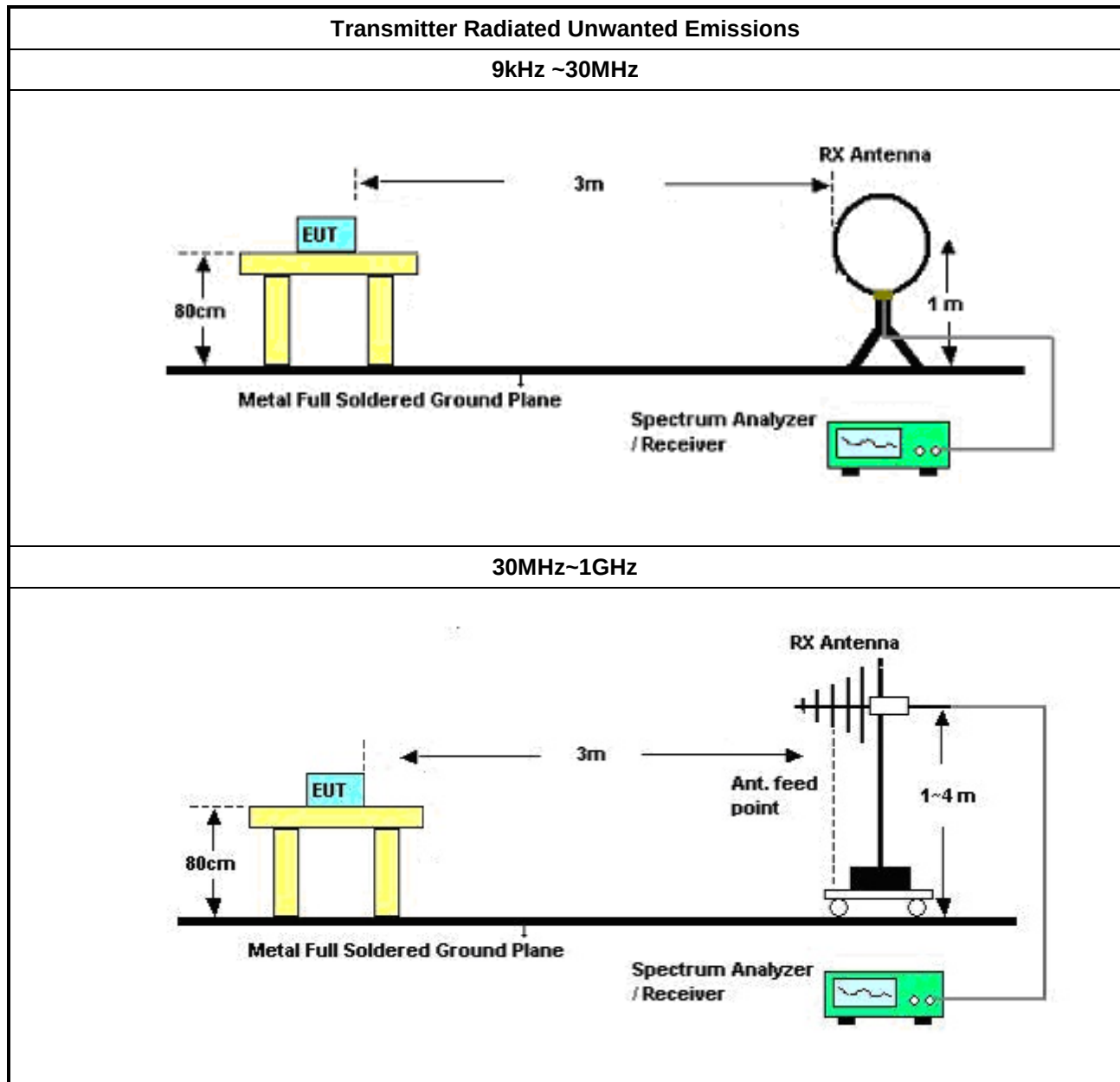
3.5.2 Measuring Instruments

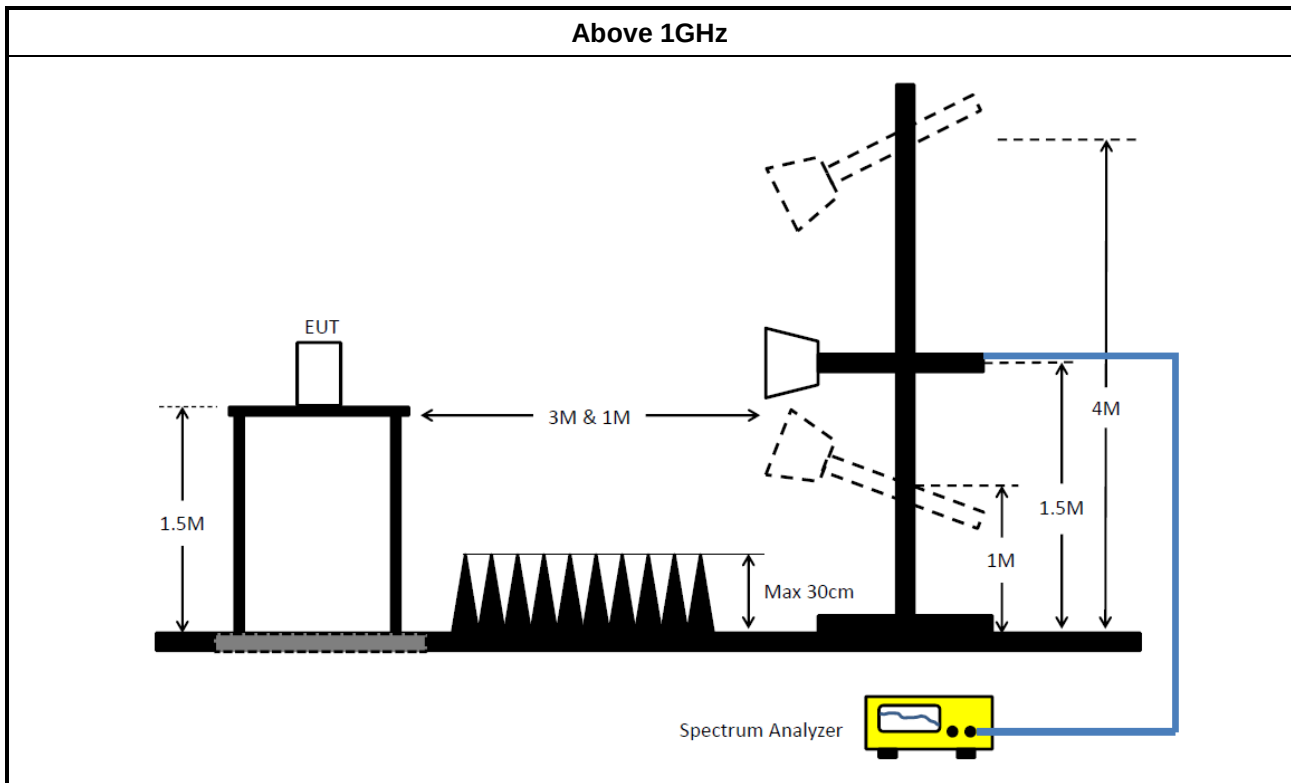
Refer a test equipment and calibration data table in this test report.

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 $\geq$ 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.	

3.5.4 Test Setup





3.5.5 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.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit	
UNII Devices	
In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	
IEEE Std. 802.11	
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band.	

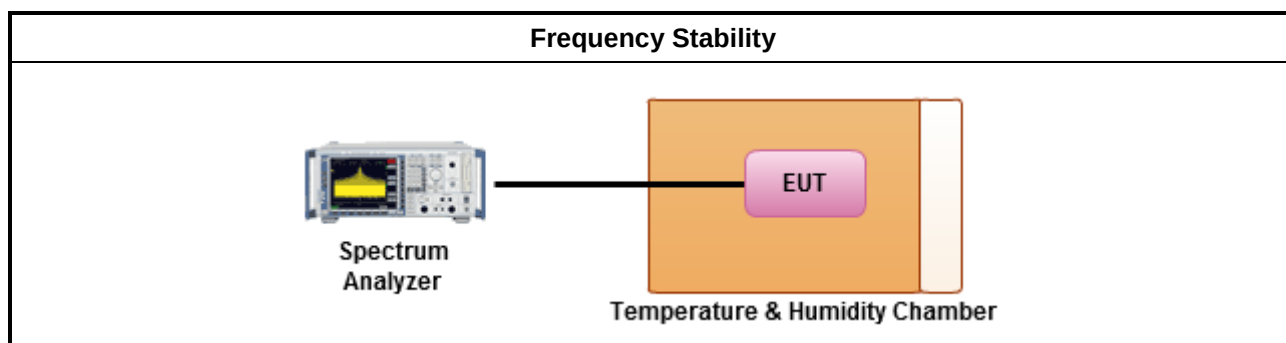
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
Frequency stability with respect to ambient temperature	
Frequency stability when varying supply voltage	

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

3.7 Receiver Radiated Unwanted Emissions

3.7.1 Receiver Radiated Unwanted Emissions Limit

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

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

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

3.7.2 Measuring Instruments

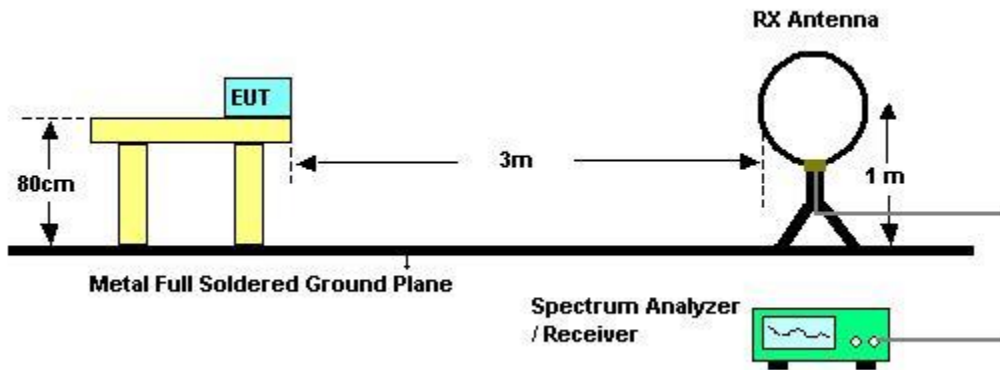
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

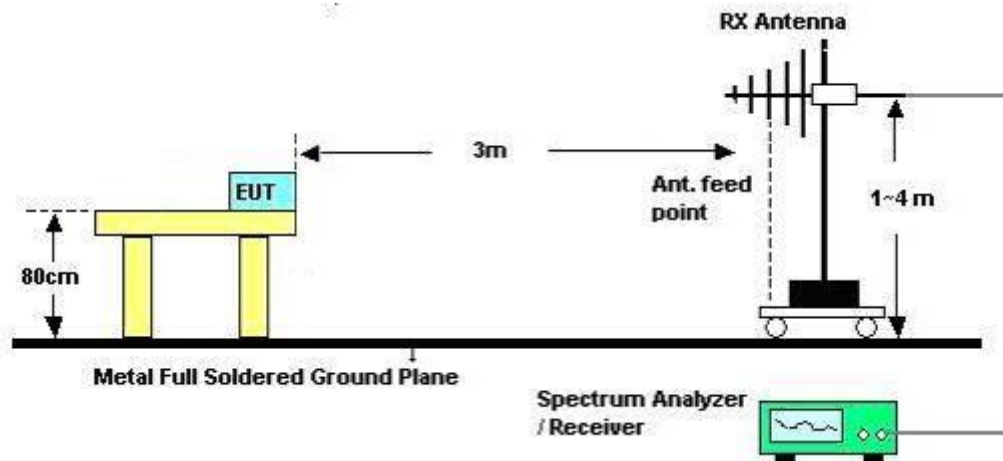
Test Method	
☒	The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.
☒	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).
☒	For radiated measurement, refer as KDB 789033, clause G)2).
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from 30 MHz-1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the QP-Limit so that the QP level does not need to be reported in addition.
☒	Refer as ANSI C63.4, clause 8.3.1.2 and 8.3.2.2 for radiated emissions from above 1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.

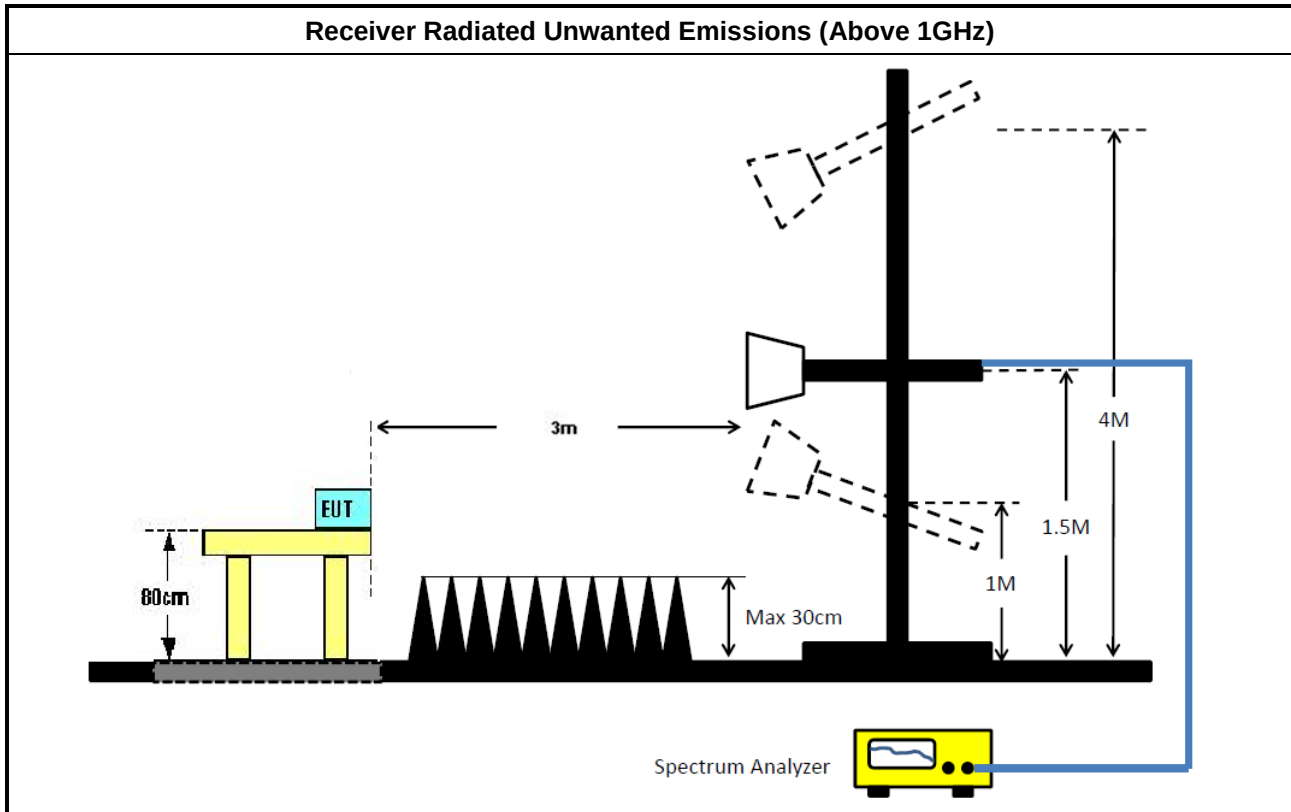
3.7.4 Test Setup

Receiver Spurious and Out of Band Emissions (9 kHz - 30 MHz)



Receiver Radiated Unwanted Emissions (Below 1GHz)





3.7.5 Receiver Radiated 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.

3.7.6 Test Result of Receiver Radiated Unwanted Emissions

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for AC Conduction for TX

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESCS 30	100355	9 kHz ~ 2.75 GHz	12/Apr/2013	11/Apr/2014
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150 kHz ~ 100 MHz	23/Nov/2013	22/Nov/2014
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	23/Nov/2013	22/Nov/2014
COND Cable	Woken	Cable	01	150 kHz ~ 30 MHz	04/Dec/2013	03/Dec/2014
Software	Audix	E3	5.410e	-	NCR	NCR

NCR : Non-Calibration Require

Instrument for AC Conduction for RX

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	14/Feb/2017	13/Feb/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	0761183202000 1	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

Instrument for Radiated Test for TX

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	25/Apr/2017	24/Apr/2018
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	28/Jun/2017	27/Jun/2018
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	20/Jul/2017	19/Jul/2018
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	09/Sep/2017	08/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Amplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESTQ	HLA 6120	31244	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	02/Feb/2017	01/Feb/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	02/Feb/2017	01/Feb/2018
Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

Instrument for Radiated Test for RX

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2017	25/Oct/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	20/Oct/2017	19/Oct/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Ketsight	8449B	3008A02602	1GHz-26.5GHz	19/Sep/2017	18/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	09/Sep/2017	08/Sep/2018
Amplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

Instrument for Conducted Test

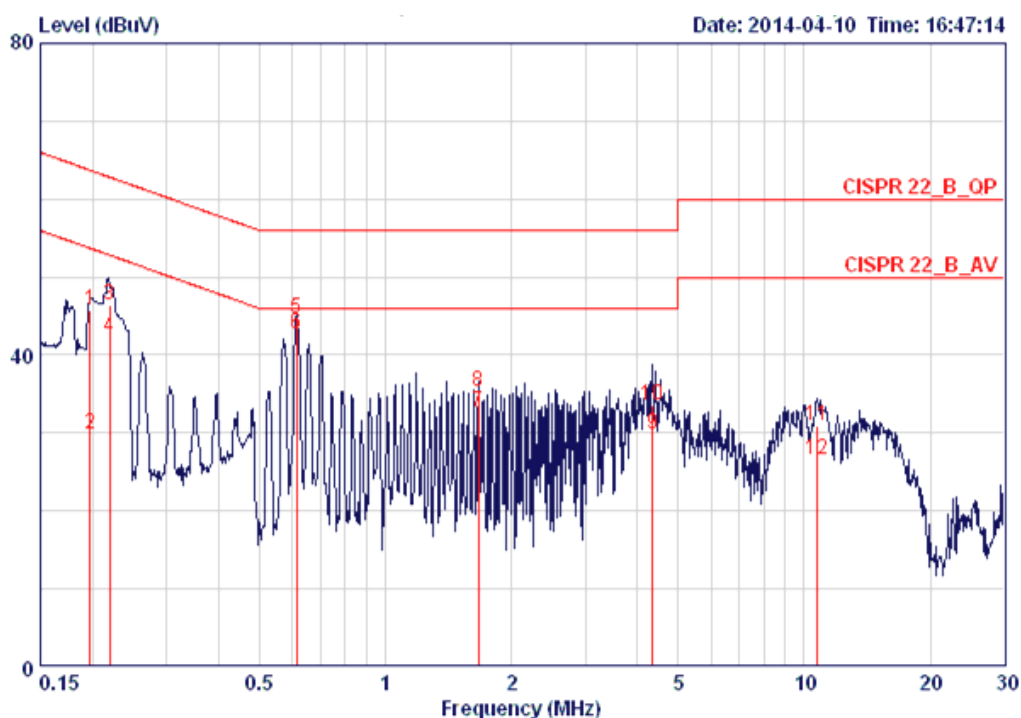
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal analyzer	R&S	FSV40	100979	9kHz~40GHz	29/Nov/2013	28/Nov/2014
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	04/Jun/2013	03/Jun/2014
RF Cable-high	Woken	High Cable-7	-	1 GHz – 26.5 GHz	17/Nov/2013	16/Nov/2014
RF Cable-high	Woken	High Cable-8	-	1 GHz – 26.5 GHz	17/Nov/2013	16/Nov/2014
RF Cable-high	Woken	High Cable-9	-	1 GHz – 26.5 GHz	17/Nov/2013	16/Nov/2014
RF Cable-high	Woken	High Cable-10	-	1 GHz – 26.5 GHz	17/Nov/2013	16/Nov/2014
RF Cable-high	Woken	High Cable-11	-	1 GHz – 26.5 GHz	17/Nov/2013	16/Nov/2014
Signal analyzer	R&S	FSV40	100979	9kHz~40GHz	29/Nov/2013	28/Nov/2014

Instrument for Conducted Test < NEW >

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	10/May/2017	09/May/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12582/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12583/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	PoE mode TX		



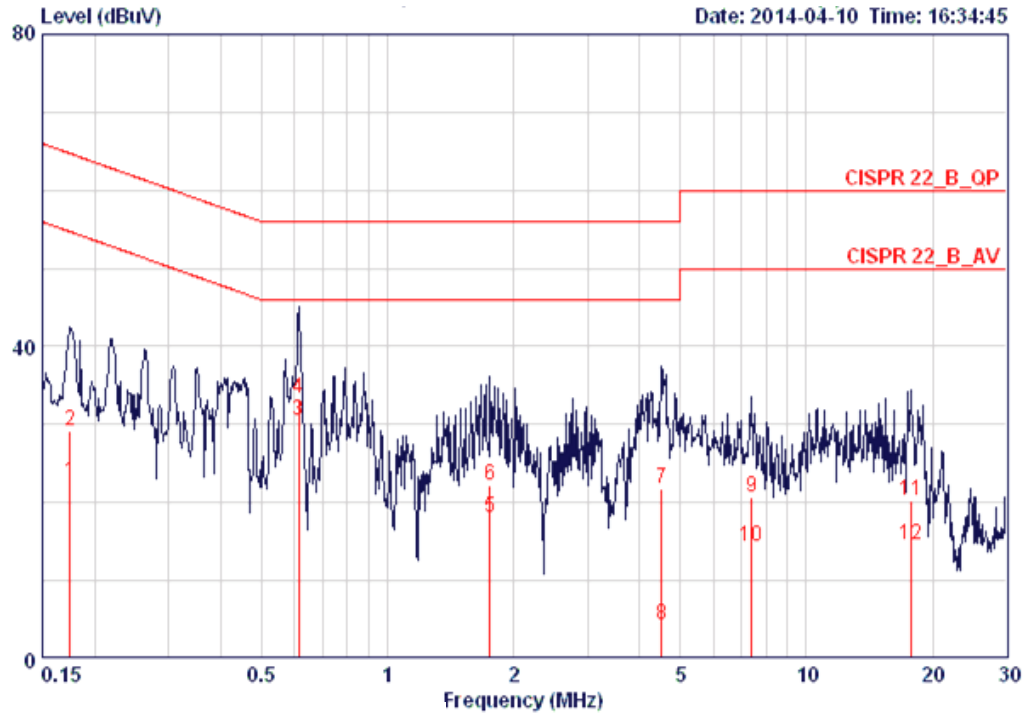
	Freq	Level	Over Limit	Limit Line	LISN Factor	Read Level	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dB	dBuV	dB		
1	0.19758	45.86	-17.85	63.71	0.07	45.63	0.16	NEUTRAL	QP
2	0.19758	29.86	-23.85	53.71	0.07	29.63	0.16	NEUTRAL	AVERAGE
3	0.21960	46.37	-16.47	62.83	0.07	46.13	0.17	NEUTRAL	QP
4 B	0.21960	42.24	-10.60	52.83	0.07	42.00	0.17	NEUTRAL	AVERAGE
5 B	0.61400	44.75	-11.25	56.00	0.07	44.49	0.19	NEUTRAL	QP
6 B	0.61400	42.74	-3.26	46.00	0.07	42.48	0.19	NEUTRAL	AVERAGE
7 B	1.667	32.60	-13.40	46.00	0.10	32.26	0.24	NEUTRAL	AVERAGE
8	1.667	35.32	-20.68	56.00	0.10	34.98	0.24	NEUTRAL	QP
9	4.341	29.80	-16.20	46.00	0.14	29.35	0.31	NEUTRAL	AVERAGE
10	4.341	33.68	-22.32	56.00	0.14	33.23	0.31	NEUTRAL	QP
11	10.750	30.88	-29.12	60.00	0.28	30.21	0.39	NEUTRAL	QP
12	10.750	26.67	-23.33	50.00	0.28	26.00	0.39	NEUTRAL	AVERAGE

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	PoE mode TX		



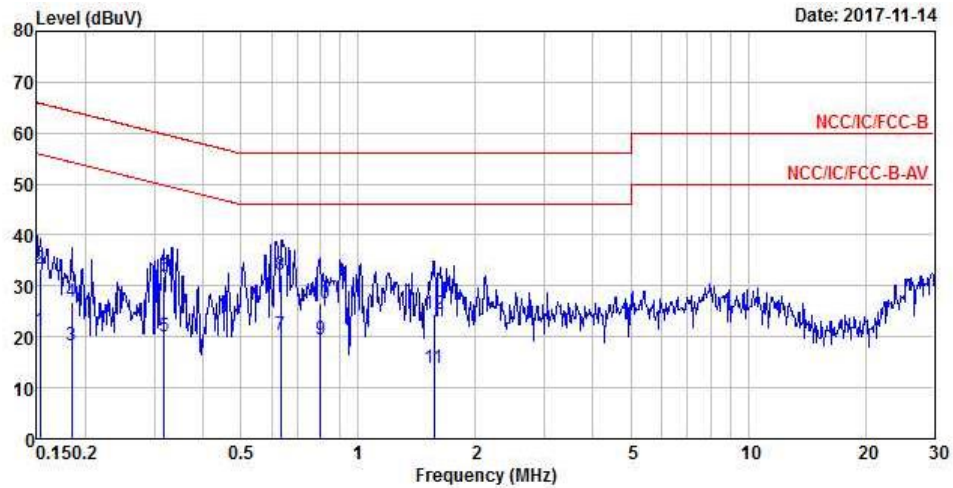
	Freq	Level	Over Limit	Limit Line	LISN Factor	Read Level	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dB	dBuV	dB		
1	0.17491	22.66	-32.06	54.72	0.15	22.35	0.16	LINE	AVERAGE
2	0.17491	29.16	-35.56	64.72	0.15	28.85	0.16	LINE	QP
3 @	0.61400	30.58	-15.42	46.00	0.15	30.24	0.19	LINE	AVERAGE
4	0.61400	33.39	-22.61	56.00	0.15	33.05	0.19	LINE	QP
5	1.753	18.04	-27.96	46.00	0.18	17.62	0.24	LINE	AVERAGE
6	1.753	22.16	-33.84	56.00	0.18	21.74	0.24	LINE	QP
7	4.501	21.74	-34.26	56.00	0.29	21.14	0.31	LINE	QP
8	4.501	4.43	-41.57	46.00	0.29	3.83	0.31	LINE	AVERAGE
9	7.407	20.66	-39.34	60.00	0.33	19.97	0.36	LINE	QP
10	7.407	14.42	-35.58	50.00	0.33	13.73	0.36	LINE	AVERAGE
11	17.755	20.35	-39.65	60.00	0.55	19.32	0.48	LINE	QP
12	17.755	14.66	-35.34	50.00	0.55	13.63	0.48	LINE	AVERAGE

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Neutral
Operating Function	PoE mode RX		

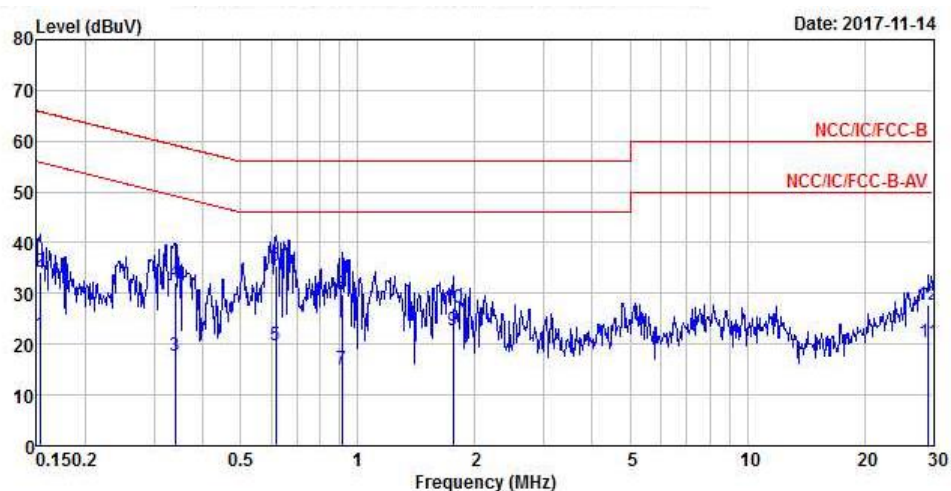


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15321	21.34	-34.48	55.82	21.27	0.03	0.04	Average
2	0.15321	33.48	-32.34	65.82	33.41	0.03	0.04	QP
3	0.18443	18.18	-36.10	54.28	18.14	0.03	0.01	Average
4	0.18443	26.83	-37.45	64.28	26.79	0.03	0.01	QP
5	0.31785	20.02	-29.74	49.76	19.92	0.03	0.07	Average
6	0.31785	31.83	-27.93	59.76	31.73	0.03	0.07	QP
7	0.63383	20.26	-25.74	46.00	20.17	0.04	0.05	Average
8 MAX	0.63383	32.31	-23.69	56.00	32.22	0.04	0.05	QP
9	0.80023	19.63	-26.37	46.00	19.56	0.05	0.02	Average
10	0.80023	26.70	-29.30	56.00	26.63	0.05	0.02	QP
11	1.56837	13.95	-32.05	46.00	13.89	0.06	0.00	Average
12	1.56837	24.51	-31.49	56.00	24.45	0.06	0.00	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Line
Operating Function	PoE mode RX		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15321	21.72	-34.10	55.82	21.61	0.07	0.04	Average
2	0.15321	34.39	-31.43	65.82	34.28	0.07	0.04	QP
3	0.33920	17.84	-31.38	49.22	17.69	0.07	0.08	Average
4	0.33920	32.12	-27.10	59.22	31.97	0.07	0.08	QP
5	0.61726	19.79	-26.21	46.00	19.66	0.08	0.05	Average
6 MAX	0.61726	35.32	-20.68	56.00	35.19	0.08	0.05	QP
7	0.90874	15.11	-30.89	46.00	15.01	0.09	0.01	Average
8	0.90874	29.86	-26.14	56.00	29.76	0.09	0.01	QP
9	1.75295	22.71	-23.29	46.00	22.60	0.11	0.00	Average
10	1.75295	27.22	-28.78	56.00	27.11	0.11	0.00	QP
11	29.21569	20.40	-29.60	50.00	19.35	0.80	0.25	Average
12	29.21569	27.80	-32.20	60.00	26.75	0.80	0.25	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Configuration 10MHz / Chain 1 + Chain 2

Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
5732 MHz	2.80	8.24	500	Complies
5787 MHz	2.80	8.20	500	Complies
5842 MHz	2.80	8.28	500	Complies

Configuration 20MHz / Chain 1 + Chain 2

Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
5737 MHz	5.12	16.48	500	Complies
5787 MHz	5.36	16.24	500	Complies
5837 MHz	5.04	16.08	500	Complies

Configuration 40MHz / Chain 1 + Chain 2

Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
5746 MHz	10.24	34.56	500	Complies
5786 MHz	10.24	34.88	500	Complies
5826 MHz	11.04	35.20	500	Complies

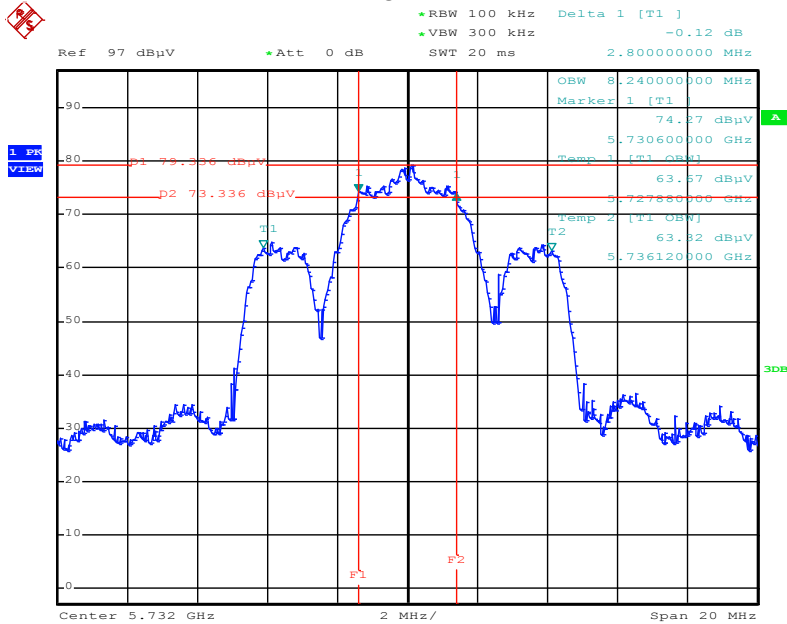
Configuration 45MHz / Chain 1 + Chain 2

Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
5748 MHz	11.16	37.62	500	Complies
5778 MHz	10.44	37.98	500	Complies
5818 MHz	11.16	38.16	500	Complies

Note: All the test values were listed in the report.

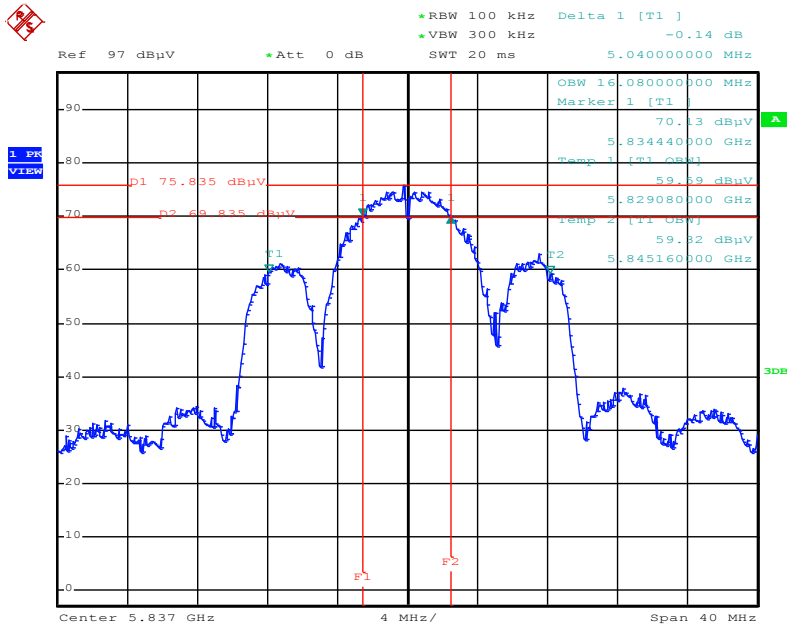
For plots, only the channel with worse result was shown.

6 dB Bandwidth Plot on Configuration 10MHz / 5732 MHz / Chain 1 + Chain 2



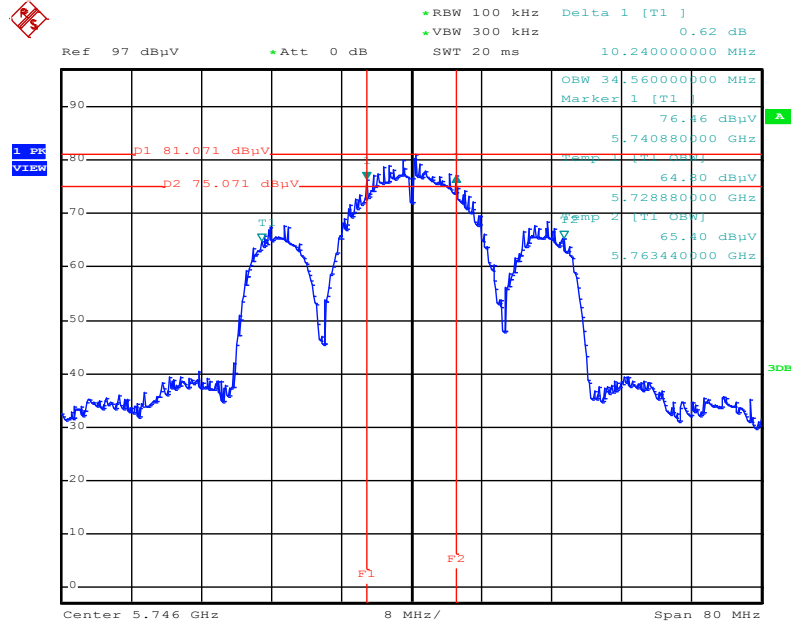
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6 dB Bandwidth Plot on Configuration 20MHz / 5837 MHz / Chain 1 + Chain 2



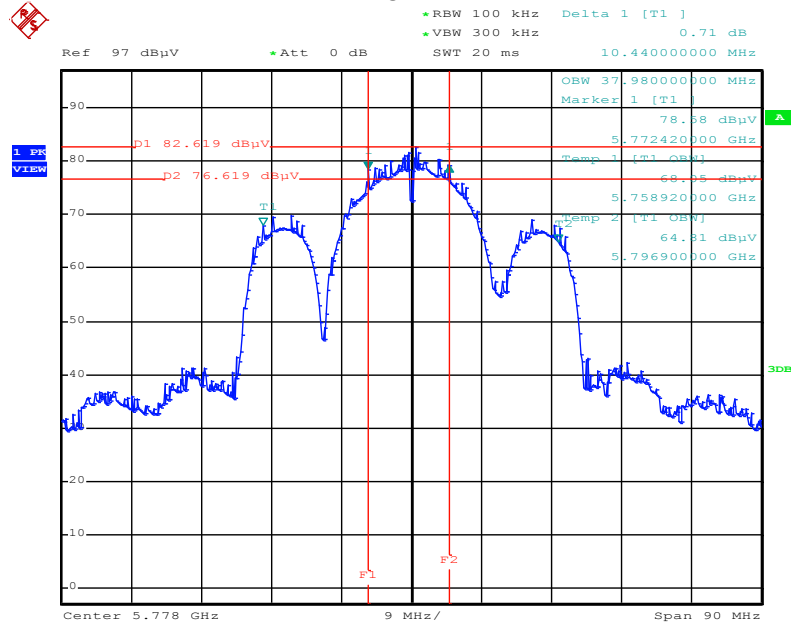
Date: 2.APR.2014 18:03:34

6 dB Bandwidth Plot on Configuration 40MHz / 5746 MHz / Chain 1 + Chain 2



Date: 2.APR.2014 18:09:10

6 dB Bandwidth Plot on Configuration 45MHz / 5778 MHz / Chain 1 + Chain 2



Date: 2.APR.2014 18:23:47

Configuration 10MHz / Chain 1 + Chain 2

Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
	Chain 1	Chain 2	Total		
5732 MHz	20.64	20.97	23.82	30.00	Complies
5787 MHz	20.31	20.52	23.43	30.00	Complies
5842 MHz	21.46	21.74	24.61	30.00	Complies

Configuration 20MHz / Chain 1 + Chain 2

Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
	Chain 1	Chain 2	Total		
5732 MHz	21.60	21.58	24.60	30.00	Complies
5787 MHz	20.80	20.97	23.90	30.00	Complies
5837 MHz	22.49	22.68	25.60	30.00	Complies

Configuration 40MHz / Chain 1 + Chain 2

Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
	Chain 1	Chain 2	Total		
5746 MHz	22.28	22.54	25.42	30.00	Complies
5786 MHz	20.12	20.35	23.25	30.00	Complies
5826 MHz	22.32	22.61	25.48	30.00	Complies

Configuration 45MHz / Chain 1 + Chain 2

Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
	Chain 1	Chain 2	Total		
5748 MHz	21.74	21.93	24.85	30.00	Complies
5778 MHz	21.57	21.75	24.67	30.00	Complies
5818 MHz	21.59	21.69	24.65	30.00	Complies



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.85GHz	-	-
BPSK_Nss1,(MCS0)_2TX	17.87	43.88
BPSK_Nss1,(MCS0)_2TX	16.01	42.02
BPSK_Nss1,(MCS0)_2TX	13.62	39.63
BPSK_Nss1,(MCS0)_2TX	12.17	38.18

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5732MHz_TnomVnom	Pass	26.01	14.60	14.46	17.43	30.00	43.44	Inf
5787MHz_TnomVnom	Pass	26.01	14.69	14.42	17.46	30.00	43.47	Inf
5842MHz_TnomVnom	Pass	26.01	14.67	15.05	17.87	30.00	43.88	Inf
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5737MHz_TnomVnom	Pass	26.01	11.64	11.27	14.38	30.00	40.39	Inf
5787MHz_TnomVnom	Pass	26.01	10.70	10.86	13.77	30.00	39.78	Inf
5837MHz_TnomVnom	Pass	26.01	12.95	13.09	16.01	30.00	42.02	Inf
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5746MHz_TnomVnom	Pass	26.01	10.44	10.48	13.47	30.00	39.48	Inf
5786MHz_TnomVnom	Pass	26.01	8.30	8.39	11.36	30.00	37.37	Inf
5826MHz_TnomVnom	Pass	26.01	10.46	10.81	13.62	30.00	39.63	Inf
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5748MHz_TnomVnom	Pass	26.01	8.95	8.68	11.82	30.00	37.83	Inf
5778MHz_TnomVnom	Pass	26.01	8.95	8.95	11.93	30.00	37.94	Inf
5818MHz_TnomVnom	Pass	26.01	8.98	9.33	12.17	30.00	38.18	Inf

DG = Directional Gain; **RBW** = 500kHz 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 Xpower density;

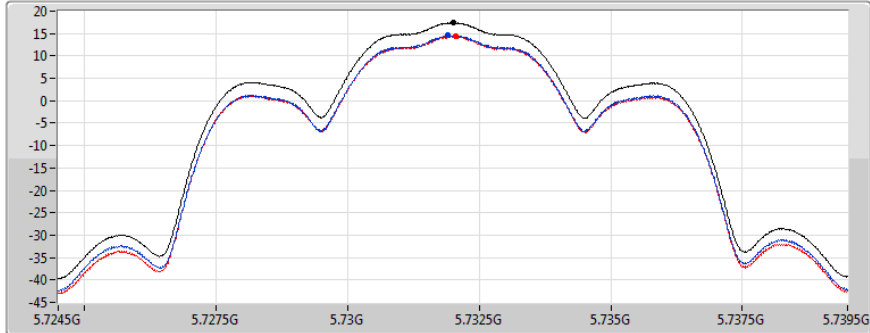
BPSK_Nss1,(MCS0)_2TX

5732MHz

PSD

12/12/2017

Ch Freq
5.732GHz
Span
15MHz
RBW
500kHz
VBW
3MHz
Sweep Time
25.3s
Detector Type
RMS



Sum ☒
Port 1 ☐
Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
17.43	17.43	14.60	14.46

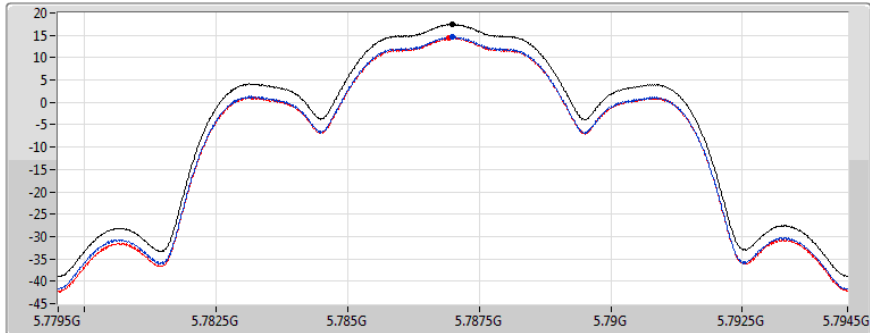
BPSK_Nss1,(MCS0)_2TX

5787MHz

PSD

12/12/2017

Ch Freq
5.787GHz
Span
15MHz
RBW
500kHz
VBW
3MHz
Sweep Time
25.3s
Detector Type
RMS



Sum ☒
Port 1 ☐
Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
17.46	17.46	14.69	14.42

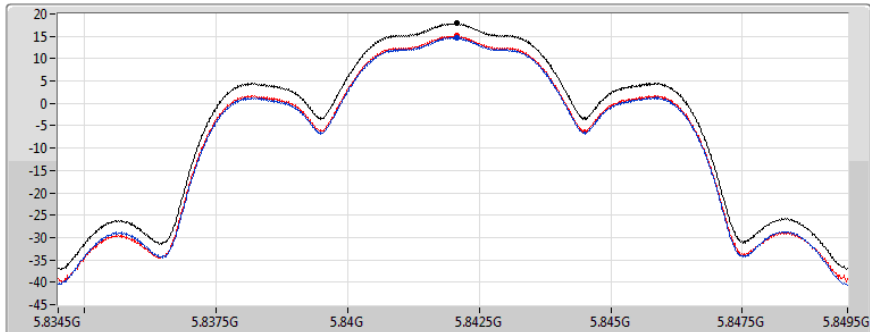
BPSK_Nss1,(MCS0)_2TX

5842MHz

PSD

12/12/2017

Ch Freq
5.842GHz
Span
15MHz
RBW
500kHz
VBW
3MHz
Sweep Time
25.3s
Detector Type
RMS



Sum ☒
Port 1 ☐
Port 2 ☐

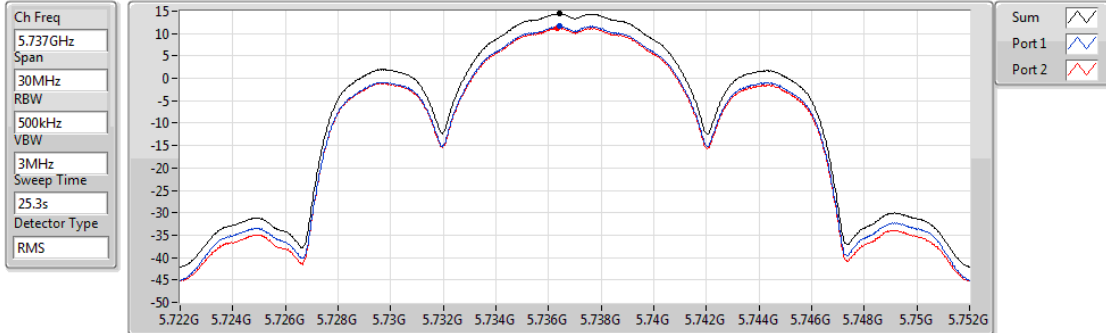
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
17.87	17.87	14.67	15.05

BPSK_Nss1,(MCS0)_2TX

5737MHz

PSD

12/12/2017



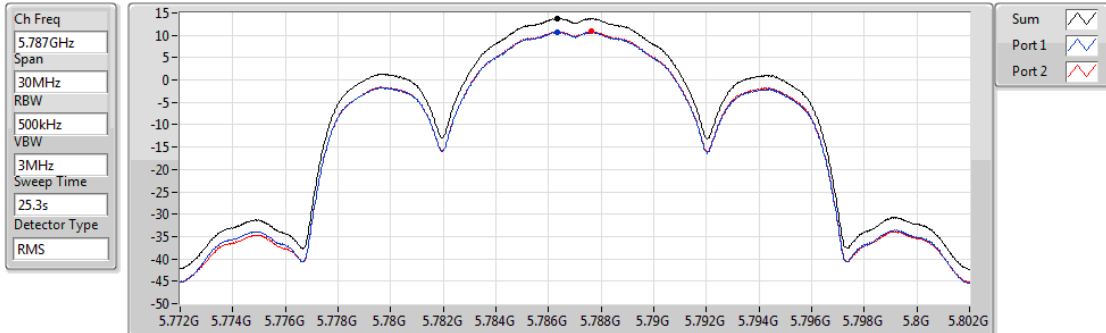
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.38	14.38	11.64	11.27

BPSK_Nss1,(MCS0)_2TX

5787MHz

PSD

12/12/2017



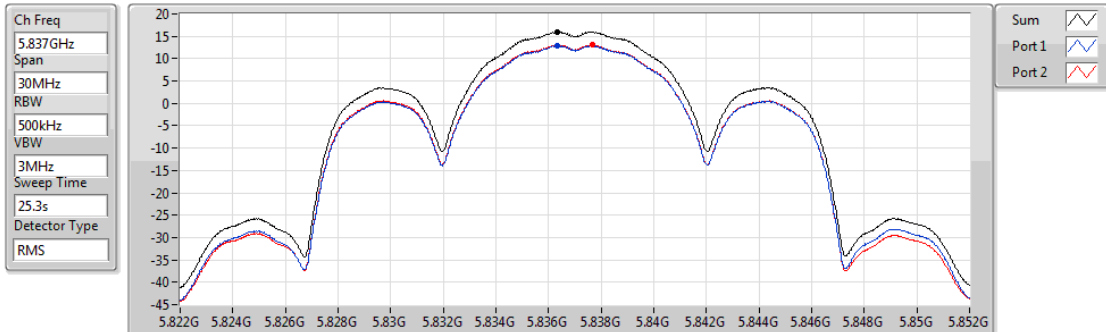
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.77	13.77	10.70	10.86

BPSK_Nss1,(MCS0)_2TX

5837MHz

PSD

12/12/2017



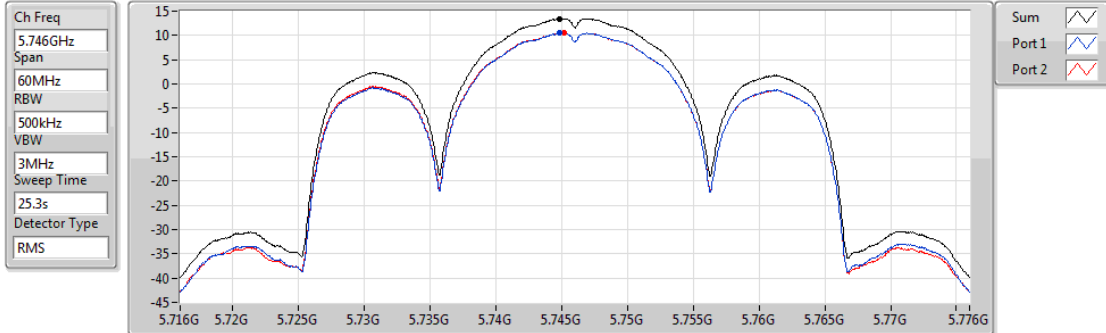
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.01	16.01	12.95	13.09

BPSK_Nss1,(MCS0)_2TX

5746MHz

PSD

12/12/2017



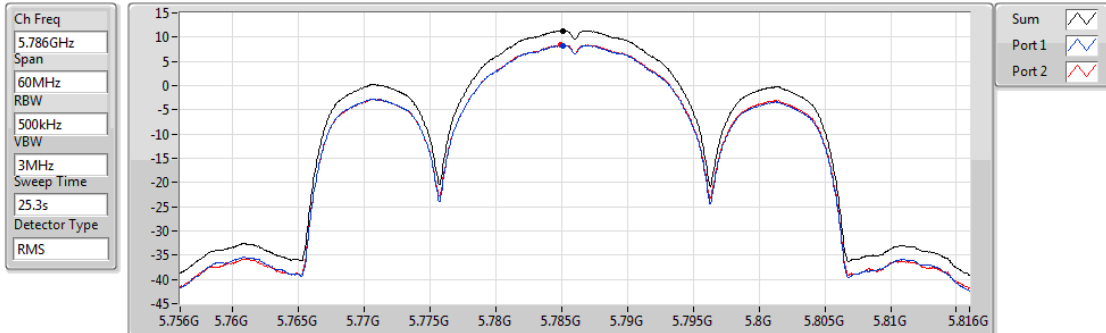
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.47	13.47	10.44	10.48

BPSK_Nss1,(MCS0)_2TX

5786MHz

PSD

12/12/2017



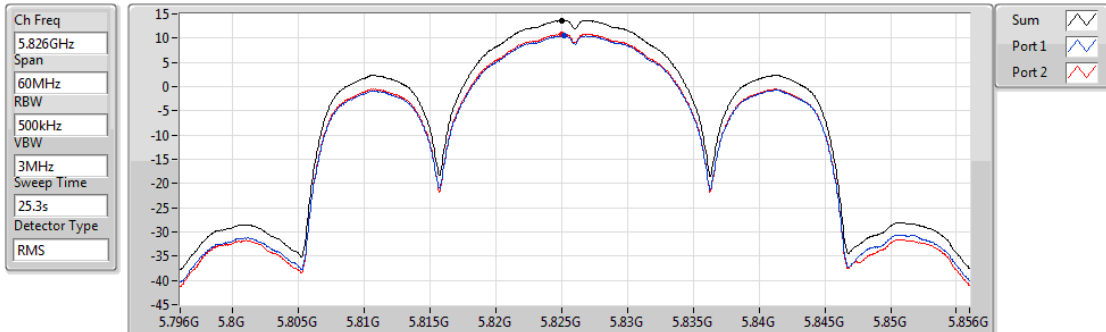
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.36	11.36	8.30	8.39

BPSK_Nss1,(MCS0)_2TX

5826MHz

PSD

12/12/2017



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.62	13.62	10.46	10.81

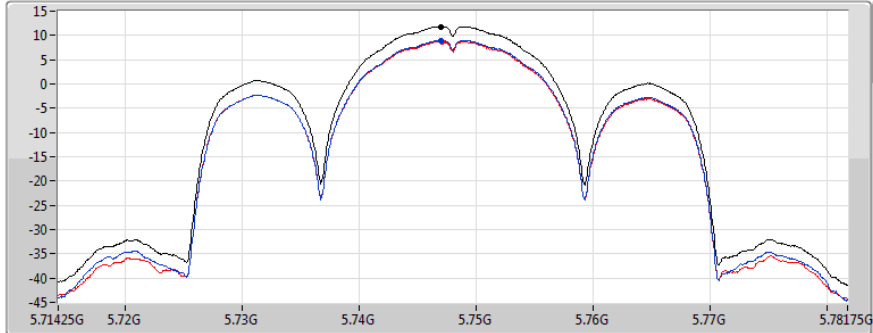
BPSK_Nss1,(MCS0)_2TX

5748MHz

PSD

12/12/2017

Ch Freq
5.748GHz
Span
67.5MHz
RBW
500kHz
VBW
3MHz
Sweep Time
25.3s
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.82	11.82	8.95	8.68

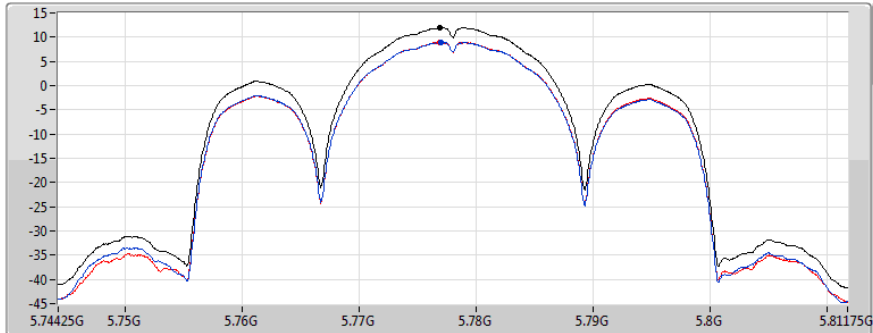
BPSK_Nss1,(MCS0)_2TX

5778MHz

PSD

12/12/2017

Ch Freq
5.778GHz
Span
67.5MHz
RBW
500kHz
VBW
3MHz
Sweep Time
25.3s
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.93	11.93	8.95	8.95

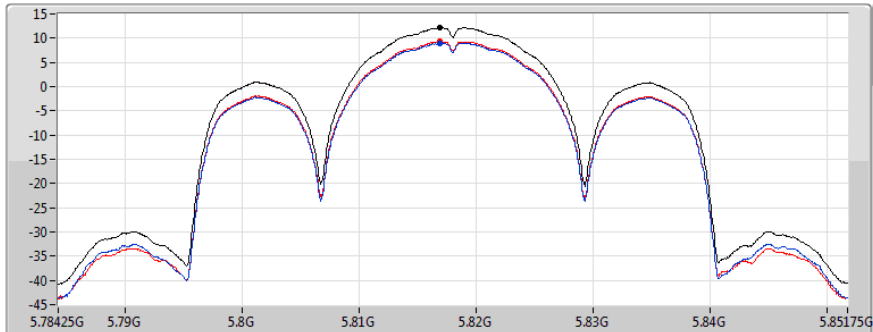
BPSK_Nss1,(MCS0)_2TX

5818MHz

PSD

12/12/2017

Ch Freq
5.818GHz
Span
67.5MHz
RBW
500kHz
VBW
3MHz
Sweep Time
25.3s
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.17	12.17	8.98	9.33

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
BPSK_Nss1,(MCS0)_2TX	Pass	PK	86.26M	36.35	40.00	-3.65	-12.94	3	Horizontal	0	1.00	-

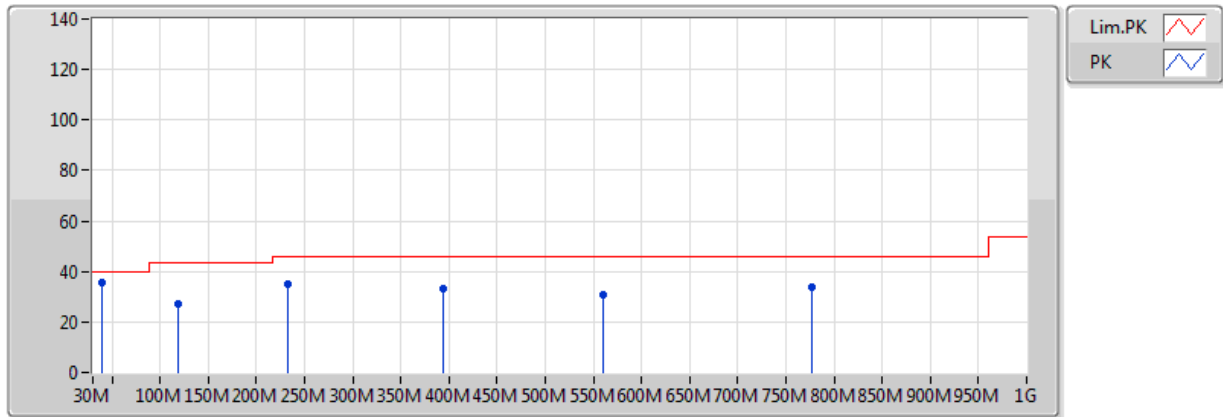
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5778MHz	Pass	PK	86.26M	36.35	40.00	-3.65	-12.94	3	Horizontal	0	1.00	-
5778MHz	Pass	PK	119.24M	32.27	43.50	-11.23	-12.77	3	Horizontal	0	1.00	-
5778MHz	Pass	PK	241.46M	30.83	46.00	-15.17	-12.11	3	Horizontal	0	1.00	-
5778MHz	Pass	PK	311.3M	30.67	46.00	-15.33	-11.73	3	Horizontal	0	1.00	-
5778MHz	Pass	PK	375.32M	25.46	46.00	-20.54	-11.38	3	Horizontal	0	1.00	-
5778MHz	Pass	PK	774.96M	28.75	46.00	-17.25	-9.23	3	Horizontal	0	1.00	-
5778MHz	Pass	PK	39.7M	35.77	40.00	-4.23	-17.51	3	Vertical	360	1.00	-
5778MHz	Pass	PK	119.24M	26.98	43.50	-16.52	-18.26	3	Vertical	360	1.00	-
5778MHz	Pass	PK	231.76M	34.99	46.00	-11.01	-18.32	3	Vertical	360	1.00	-
5778MHz	Pass	PK	394.72M	33.24	46.00	-12.76	-12.42	3	Vertical	360	1.00	-
5778MHz	Pass	PK	559.62M	30.60	46.00	-15.40	-7.85	3	Vertical	360	1.00	-
5778MHz	Pass	PK	776.9M	33.53	46.00	-12.47	-5.33	3	Vertical	360	1.00	-

BPSK_Nss1,(MCS0)_2TX

5778MHz_PoE

12/12/2017

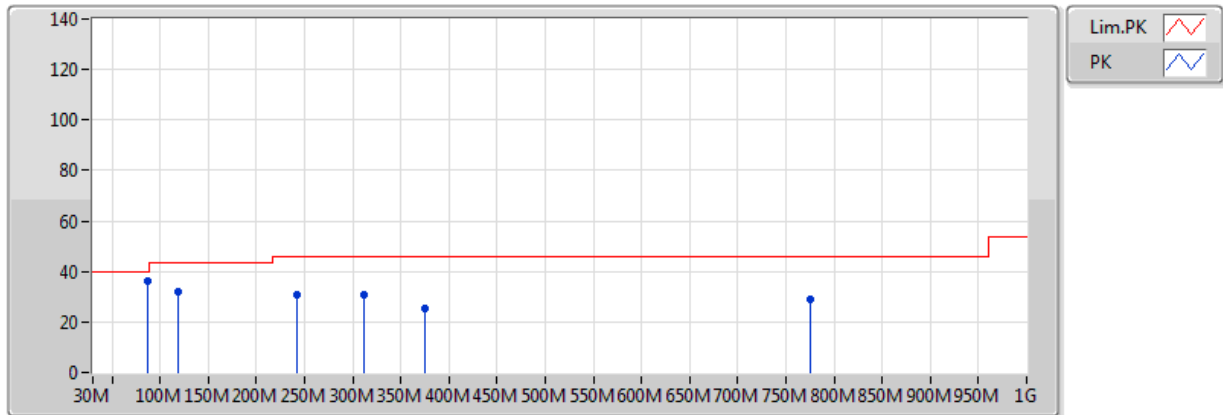


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	39.7M	35.77	40.00	-4.23	-17.51	3	Vertical	360	1.00	-	53.28	18.68	1.05	37.24
PK	119.24M	26.98	43.50	-16.52	-18.26	3	Vertical	360	1.00	-	45.24	16.69	1.77	36.72
PK	231.76M	34.99	46.00	-11.01	-18.32	3	Vertical	360	1.00	-	53.31	15.61	2.47	36.40
PK	394.72M	33.24	46.00	-12.76	-12.42	3	Vertical	360	1.00	-	45.66	20.89	3.30	36.60
PK	559.62M	30.60	46.00	-15.40	-7.85	3	Vertical	360	1.00	-	38.45	25.17	4.06	37.08
PK	776.9M	33.53	46.00	-12.47	-5.33	3	Vertical	360	1.00	-	38.86	27.36	4.76	37.45

BPSK_Nss1,(MCS0)_2TX

5778MHz_PoE

12/12/2017



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	86.26M	36.35	40.00	-3.65	-12.94	3	Horizontal	0	1.00	-	49.29	22.57	2.43	37.95
PK	119.24M	32.27	43.50	-11.23	-12.77	3	Horizontal	0	1.00	-	45.04	22.64	2.48	37.88
PK	241.46M	30.83	46.00	-15.17	-12.11	3	Horizontal	0	1.00	-	42.94	22.88	2.66	37.65
PK	311.3M	30.67	46.00	-15.33	-11.73	3	Horizontal	0	1.00	-	42.40	23.02	2.77	37.52
PK	375.32M	25.46	46.00	-20.54	-11.38	3	Horizontal	0	1.00	-	36.84	23.15	2.86	37.40
PK	774.96M	28.75	46.00	-17.25	-9.23	3	Horizontal	0	1.00	-	37.98	23.95	3.46	36.64

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
BPSK_Nss1,(MCS0)_2TX	Pass	PK	5.6416G	67.28	68.20	-0.92	5.62	3	Vertical	359	1.71	-
BPSK_Nss1,(MCS0)_2TX	Pass	PK	5.633G	65.38	68.20	-2.82	5.60	3	Horizontal	359	1.64	-
BPSK_Nss1,(MCS0)_2TX	Pass	PK	5.6472G	67.00	68.20	-1.20	5.63	3	Horizontal	353	1.70	-
BPSK_Nss1,(MCS0)_2TX	Pass	PK	5.9284G	67.61	68.20	-0.59	6.35	3	Horizontal	352	1.77	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5732MHz	Pass	AV	5.732G	125.97	Inf	-Inf	5.85	3	Horizontal	359	1.72	-
5732MHz	Pass	PK	5.6372G	62.85	68.20	-5.35	5.61	3	Horizontal	359	1.72	-
5732MHz	Pass	PK	5.732G	129.62	Inf	-Inf	5.85	3	Horizontal	359	1.72	-
5732MHz	Pass	PK	5.9408G	62.70	68.20	-5.50	6.38	3	Horizontal	359	1.72	-
5732MHz	Pass	AV	5.732G	126.26	Inf	-Inf	5.85	3	Vertical	360	1.70	-
5732MHz	Pass	PK	5.6432G	64.20	68.20	-4.00	5.62	3	Vertical	360	1.70	-
5732MHz	Pass	PK	5.732G	132.73	Inf	-Inf	5.85	3	Vertical	360	1.70	-
5732MHz	Pass	PK	5.9576G	64.75	68.20	-3.45	6.42	3	Vertical	360	1.70	-
5732MHz	Pass	AV	11.46412G	48.41	54.00	-5.59	15.98	3	Horizontal	2	1.50	-
5732MHz	Pass	PK	11.47612G	57.17	74.00	-16.83	15.96	3	Horizontal	2	1.50	-
5732MHz	Pass	AV	11.47612G	48.21	54.00	-5.79	15.96	3	Vertical	55	1.50	-
5732MHz	Pass	PK	11.476G	58.13	74.00	-15.87	15.96	3	Vertical	55	1.50	-
5787MHz	Pass	AV	5.787G	124.09	Inf	-Inf	5.99	3	Horizontal	359	1.75	-
5787MHz	Pass	PK	5.6274G	64.80	68.20	-3.40	5.58	3	Horizontal	359	1.75	-
5787MHz	Pass	PK	5.787G	129.89	Inf	-Inf	5.99	3	Horizontal	359	1.75	-
5787MHz	Pass	PK	5.9478G	65.92	68.20	-2.28	6.40	3	Horizontal	359	1.75	-
5787MHz	Pass	AV	5.787G	126.80	Inf	-Inf	5.99	3	Vertical	358	1.69	-
5787MHz	Pass	PK	5.6274G	67.01	68.20	-1.19	5.58	3	Vertical	358	1.69	-
5787MHz	Pass	PK	5.787G	133.13	Inf	-Inf	5.99	3	Vertical	358	1.69	-
5787MHz	Pass	PK	5.9478G	65.13	68.20	-3.07	6.40	3	Vertical	358	1.69	-
5787MHz	Pass	AV	11.56338G	47.91	54.00	-6.09	15.85	3	Horizontal	0	1.50	-
5787MHz	Pass	PK	11.58846G	58.78	74.00	-15.22	15.82	3	Horizontal	0	1.50	-
5787MHz	Pass	AV	11.57724G	47.97	54.00	-6.03	15.83	3	Vertical	360	1.50	-
5787MHz	Pass	PK	11.58762G	59.29	74.00	-14.71	15.82	3	Vertical	360	1.50	-
5842MHz	Pass	AV	5.842G	124.42	Inf	-Inf	6.13	3	Horizontal	357	1.66	-
5842MHz	Pass	PK	5.6416G	64.39	68.20	-3.81	5.62	3	Horizontal	357	1.66	-
5842MHz	Pass	PK	5.842G	132.44	Inf	-Inf	6.13	3	Horizontal	357	1.66	-
5842MHz	Pass	PK	5.9824G	66.05	68.20	-2.15	6.49	3	Horizontal	357	1.66	-
5842MHz	Pass	AV	5.842G	128.83	Inf	-Inf	6.13	3	Vertical	359	1.71	-
5842MHz	Pass	PK	5.6416G	67.28	68.20	-0.92	5.62	3	Vertical	359	1.71	-
5842MHz	Pass	PK	5.842G	135.15	Inf	-Inf	6.13	3	Vertical	359	1.71	-
5842MHz	Pass	PK	5.9332G	65.02	68.20	-3.18	6.36	3	Vertical	359	1.71	-
5842MHz	Pass	AV	11.68238G	48.02	54.00	-5.98	15.70	3	Horizontal	360	1.50	-
5842MHz	Pass	PK	11.67614G	59.32	74.00	-14.68	15.70	3	Horizontal	360	1.50	-
5842MHz	Pass	AV	11.69468G	48.03	54.00	-5.97	15.68	3	Vertical	0	1.50	-
5842MHz	Pass	PK	11.69276G	59.14	74.00	-14.86	15.68	3	Vertical	0	1.50	-
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5737MHz	Pass	AV	5.7358G	119.77	Inf	-Inf	5.86	3	Horizontal	358	1.72	-
5737MHz	Pass	PK	5.6434G	64.55	68.20	-3.65	5.62	3	Horizontal	358	1.72	-
5737MHz	Pass	PK	5.737G	131.66	Inf	-Inf	5.86	3	Horizontal	358	1.72	-
5737MHz	Pass	PK	5.989G	65.03	68.20	-3.17	6.50	3	Horizontal	358	1.72	-
5737MHz	Pass	AV	5.7358G	121.10	Inf	-Inf	5.86	3	Vertical	357	1.70	-
5737MHz	Pass	PK	5.6494G	64.02	68.20	-4.18	5.64	3	Vertical	357	1.70	-
5737MHz	Pass	PK	5.737G	130.76	Inf	-Inf	5.86	3	Vertical	357	1.70	-
5737MHz	Pass	PK	5.977G	63.59	68.20	-4.61	6.47	3	Vertical	357	1.70	-
5737MHz	Pass	AV	11.47436G	48.26	54.00	-5.74	15.96	3	Horizontal	360	1.50	-
5737MHz	Pass	PK	11.48732G	59.78	74.00	-14.22	15.95	3	Horizontal	360	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5737MHz	Pass	AV	11.45954G	48.34	54.00	-5.66	15.98	3	Vertical	0	1.50	-
5737MHz	Pass	PK	11.45984G	58.90	74.00	-15.10	15.98	3	Vertical	0	1.50	-
5787MHz	Pass	AV	5.7858G	118.88	Inf	-Inf	5.98	3	Horizontal	357	1.64	-
5787MHz	Pass	PK	5.6346G	64.44	68.20	-3.76	5.60	3	Horizontal	357	1.64	-
5787MHz	Pass	PK	5.787G	128.88	Inf	-Inf	5.99	3	Horizontal	357	1.64	-
5787MHz	Pass	PK	5.9586G	64.57	68.20	-3.63	6.43	3	Horizontal	357	1.64	-
5787MHz	Pass	AV	5.7858G	120.28	Inf	-Inf	5.98	3	Vertical	358	1.71	-
5787MHz	Pass	PK	5.6214G	63.05	68.20	-5.15	5.57	3	Vertical	358	1.71	-
5787MHz	Pass	PK	5.7858G	128.25	Inf	-Inf	5.98	3	Vertical	358	1.71	-
5787MHz	Pass	PK	5.961G	63.98	68.20	-4.22	6.43	3	Vertical	358	1.71	-
5787MHz	Pass	AV	11.57442G	47.87	54.00	-6.13	15.83	3	Horizontal	360	1.50	-
5787MHz	Pass	PK	11.56482G	59.03	74.00	-14.97	15.85	3	Horizontal	360	1.50	-
5787MHz	Pass	AV	11.58636G	47.97	54.00	-6.03	15.82	3	Vertical	0	1.50	-
5787MHz	Pass	PK	11.57982G	58.81	74.00	-15.19	15.83	3	Vertical	0	1.50	-
5837MHz	Pass	AV	5.837G	122.59	Inf	-Inf	6.12	3	Horizontal	359	1.64	-
5837MHz	Pass	PK	5.633G	65.38	68.20	-2.82	5.60	3	Horizontal	359	1.64	-
5837MHz	Pass	PK	5.837G	132.17	Inf	-Inf	6.12	3	Horizontal	359	1.64	-
5837MHz	Pass	PK	5.9258G	65.29	68.20	-2.91	6.34	3	Horizontal	359	1.64	-
5837MHz	Pass	AV	5.837G	124.49	Inf	-Inf	6.12	3	Vertical	357	1.71	-
5837MHz	Pass	PK	5.633G	65.38	68.20	-2.82	5.60	3	Vertical	357	1.71	-
5837MHz	Pass	PK	5.8382G	130.46	Inf	-Inf	6.12	3	Vertical	357	1.71	-
5837MHz	Pass	PK	5.9294G	63.93	68.20	-4.27	6.35	3	Vertical	357	1.71	-
5837MHz	Pass	AV	11.67424G	48.30	54.00	-5.70	15.71	3	Horizontal	360	1.50	-
5837MHz	Pass	PK	11.67574G	59.32	74.00	-14.68	15.71	3	Horizontal	360	1.50	-
5837MHz	Pass	AV	11.67892G	48.03	54.00	-5.97	15.70	3	Vertical	360	1.50	-
5837MHz	Pass	PK	11.6665G	60.03	74.00	-13.97	15.72	3	Vertical	360	1.50	-
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5746MHz	Pass	AV	5.7448G	122.17	Inf	-Inf	5.88	3	Horizontal	357	1.67	-
5746MHz	Pass	PK	5.626G	64.83	68.20	-3.37	5.58	3	Horizontal	357	1.67	-
5746MHz	Pass	PK	5.746G	129.78	Inf	-Inf	5.89	3	Horizontal	357	1.67	-
5746MHz	Pass	PK	5.9368G	64.04	68.20	-4.16	6.37	3	Horizontal	357	1.67	-
5746MHz	Pass	AV	5.7448G	122.86	Inf	-Inf	5.88	3	Vertical	357	1.67	-
5746MHz	Pass	PK	5.6344G	66.37	68.20	-1.83	5.60	3	Vertical	357	1.67	-
5746MHz	Pass	PK	5.7472G	130.48	Inf	-Inf	5.89	3	Vertical	357	1.67	-
5746MHz	Pass	PK	5.9824G	64.39	68.20	-3.81	6.49	3	Vertical	357	1.67	-
5746MHz	Pass	AV	11.49182G	47.27	54.00	-6.73	15.94	3	Horizontal	0	1.50	-
5746MHz	Pass	PK	11.498G	57.11	74.00	-16.89	15.93	3	Horizontal	0	1.50	-
5746MHz	Pass	AV	11.49188G	47.10	54.00	-6.90	15.94	3	Vertical	360	1.50	-
5746MHz	Pass	PK	11.4887G	57.34	74.00	-16.66	15.94	3	Vertical	360	1.50	-
5786MHz	Pass	AV	5.7848G	118.28	Inf	-Inf	5.98	3	Horizontal	356	1.67	-
5786MHz	Pass	PK	5.6384G	64.25	68.20	-3.95	5.61	3	Horizontal	356	1.67	-
5786MHz	Pass	PK	5.7872G	125.36	Inf	-Inf	5.99	3	Horizontal	356	1.67	-
5786MHz	Pass	PK	5.9504G	63.42	68.20	-4.78	6.41	3	Horizontal	356	1.67	-
5786MHz	Pass	AV	5.7848G	119.50	Inf	-Inf	5.98	3	Vertical	355	1.71	-
5786MHz	Pass	PK	5.6264G	64.49	68.20	-3.71	5.58	3	Vertical	355	1.71	-
5786MHz	Pass	PK	5.786G	126.96	Inf	-Inf	5.98	3	Vertical	355	1.71	-
5786MHz	Pass	PK	5.9876G	62.58	68.20	-5.62	6.50	3	Vertical	355	1.71	-
5786MHz	Pass	AV	11.57842G	47.30	54.00	-6.70	15.83	3	Horizontal	360	1.50	-
5786MHz	Pass	PK	11.58316G	57.19	74.00	-16.81	15.82	3	Horizontal	360	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5786MHz	Pass	AV	11.58082G	47.48	54.00	-6.52	15.83	3	Vertical	0	1.50	-
5786MHz	Pass	PK	11.58562G	57.39	74.00	-16.61	15.82	3	Vertical	0	1.50	-
5826MHz	Pass	AV	5.8272G	120.30	Inf	-Inf	6.09	3	Horizontal	353	1.70	-
5826MHz	Pass	PK	5.6472G	67.00	68.20	-1.20	5.63	3	Horizontal	353	1.70	-
5826MHz	Pass	PK	5.8272G	127.44	Inf	-Inf	6.09	3	Horizontal	353	1.70	-
5826MHz	Pass	PK	5.982G	66.28	68.20	-1.92	6.48	3	Horizontal	353	1.70	-
5826MHz	Pass	AV	5.8248G	121.65	Inf	-Inf	6.08	3	Vertical	356	1.66	-
5826MHz	Pass	PK	5.6172G	64.23	68.20	-3.97	5.55	3	Vertical	356	1.66	-
5826MHz	Pass	PK	5.8248G	129.22	Inf	-Inf	6.08	3	Vertical	356	1.66	-
5826MHz	Pass	PK	5.9484G	64.72	68.20	-3.48	6.40	3	Vertical	356	1.66	-
5826MHz	Pass	AV	11.65038G	48.39	54.00	-5.61	15.74	3	Horizontal	0	1.50	-
5826MHz	Pass	PK	11.64264G	57.41	74.00	-16.59	15.75	3	Horizontal	0	1.50	-
5826MHz	Pass	AV	11.64042G	48.41	54.00	-5.59	15.75	3	Vertical	360	1.50	-
5826MHz	Pass	PK	11.63892G	56.74	74.00	-17.26	15.75	3	Vertical	360	1.50	-
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5748MHz	Pass	AV	5.7468G	120.76	Inf	-Inf	5.89	3	Horizontal	356	1.70	-
5748MHz	Pass	PK	5.6376G	65.82	68.20	-2.38	5.61	3	Horizontal	356	1.70	-
5748MHz	Pass	PK	5.7492G	128.18	Inf	-Inf	5.89	3	Horizontal	356	1.70	-
5748MHz	Pass	PK	5.9352G	65.97	68.20	-2.23	6.37	3	Horizontal	356	1.70	-
5748MHz	Pass	AV	5.7468G	120.96	Inf	-Inf	5.89	3	Vertical	357	1.71	-
5748MHz	Pass	PK	5.6364G	66.36	68.20	-1.84	5.60	3	Vertical	357	1.71	-
5748MHz	Pass	PK	5.7468G	128.42	Inf	-Inf	5.89	3	Vertical	357	1.71	-
5748MHz	Pass	PK	5.928G	65.71	68.20	-2.49	6.35	3	Vertical	357	1.71	-
5748MHz	Pass	AV	11.4942G	46.70	54.00	-7.30	15.94	3	Horizontal	360	1.50	-
5748MHz	Pass	PK	11.4897G	56.15	74.00	-17.85	15.94	3	Horizontal	360	1.50	-
5748MHz	Pass	AV	11.50548G	46.59	54.00	-7.41	15.92	3	Vertical	0	1.50	-
5748MHz	Pass	PK	11.49744G	54.89	74.00	-19.11	15.93	3	Vertical	0	1.50	-
5778MHz	Pass	AV	5.7768G	118.63	Inf	-Inf	5.96	3	Horizontal	351	1.65	-
5778MHz	Pass	PK	5.64G	67.05	68.20	-1.15	5.61	3	Horizontal	351	1.65	-
5778MHz	Pass	PK	5.7768G	126.23	Inf	-Inf	5.96	3	Horizontal	351	1.65	-
5778MHz	Pass	PK	5.9544G	65.90	68.20	-2.30	6.42	3	Horizontal	351	1.65	-
5778MHz	Pass	AV	5.7768G	120.05	Inf	-Inf	5.96	3	Vertical	353	1.66	-
5778MHz	Pass	PK	5.6268G	66.48	68.20	-1.72	5.58	3	Vertical	353	1.66	-
5778MHz	Pass	PK	5.7768G	127.59	Inf	-Inf	5.96	3	Vertical	353	1.66	-
5778MHz	Pass	PK	5.9544G	65.08	68.20	-3.12	6.42	3	Vertical	353	1.66	-
5778MHz	Pass	AV	11.54286G	46.24	54.00	-7.76	15.88	3	Horizontal	0	1.50	-
5778MHz	Pass	PK	11.56752G	55.70	74.00	-18.30	15.84	3	Horizontal	0	1.50	-
5778MHz	Pass	AV	11.56938G	46.31	54.00	-7.69	15.84	3	Vertical	360	1.50	-
5778MHz	Pass	PK	11.54442G	55.57	74.00	-18.43	15.87	3	Vertical	360	1.50	-
5818MHz	Pass	AV	5.8168G	120.21	Inf	-Inf	6.06	3	Horizontal	352	1.77	-
5818MHz	Pass	PK	5.6452G	65.04	68.20	-3.16	5.63	3	Horizontal	352	1.77	-
5818MHz	Pass	PK	5.818G	127.96	Inf	-Inf	6.07	3	Horizontal	352	1.77	-
5818MHz	Pass	PK	5.9284G	67.61	68.20	-0.59	6.35	3	Horizontal	352	1.77	-
5818MHz	Pass	AV	5.8192G	121.71	Inf	-Inf	6.07	3	Vertical	351	1.67	-
5818MHz	Pass	PK	5.6428G	65.96	68.20	-2.24	5.62	3	Vertical	351	1.67	-
5818MHz	Pass	PK	5.818G	129.23	Inf	-Inf	6.07	3	Vertical	351	1.67	-
5818MHz	Pass	PK	5.9308G	65.20	68.20	-3.00	6.36	3	Vertical	351	1.67	-
5818MHz	Pass	AV	11.636G	47.86	54.00	-6.14	15.76	3	Horizontal	0	1.50	-
5818MHz	Pass	PK	11.62298G	55.25	74.00	-18.75	15.77	3	Horizontal	0	1.50	-



RSE TX above 1GHz Result

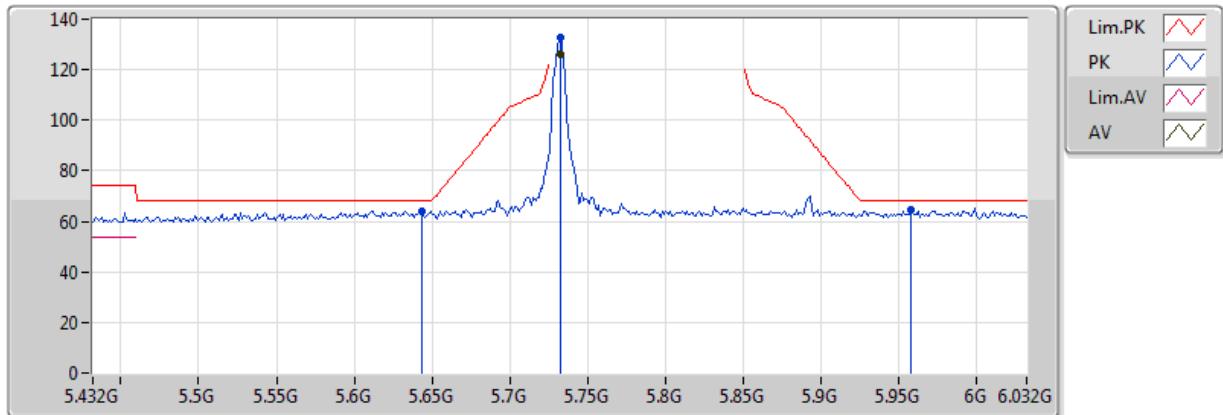
Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5818MHz	Pass	AV	11.636G	47.21	54.00	-6.79	15.76	3	Vertical	360	1.50	-
5818MHz	Pass	PK	11.64782G	54.80	74.00	-19.20	15.74	3	Vertical	360	1.50	-

BPSK_Nss1,(MCS0)_2TX

5732MHz_TX

11/12/2017

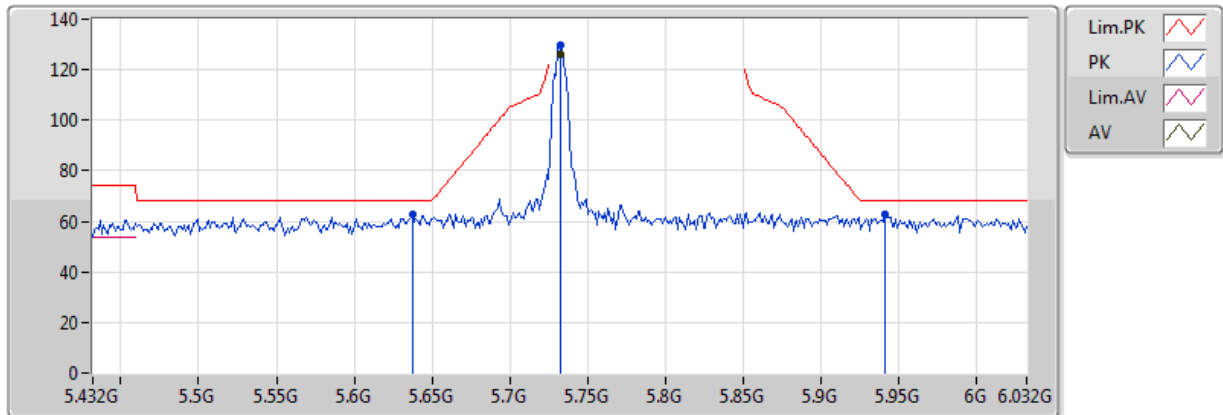


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.732G	126.26	Inf	-Inf	5.85	3	Vertical	360	1.70	-	120.41	32.18	8.85	35.18
PK	5.6432G	64.20	68.20	-4.00	5.62	3	Vertical	360	1.70	-	58.58	32.07	8.73	35.18
PK	5.732G	132.73	Inf	-Inf	5.85	3	Vertical	360	1.70	-	126.88	32.18	8.85	35.18
PK	5.9576G	64.75	68.20	-3.45	6.42	3	Vertical	360	1.70	-	58.32	32.45	9.17	35.20

BPSK_Nss1,(MCS0)_2TX

5732MHz_TX

11/12/2017

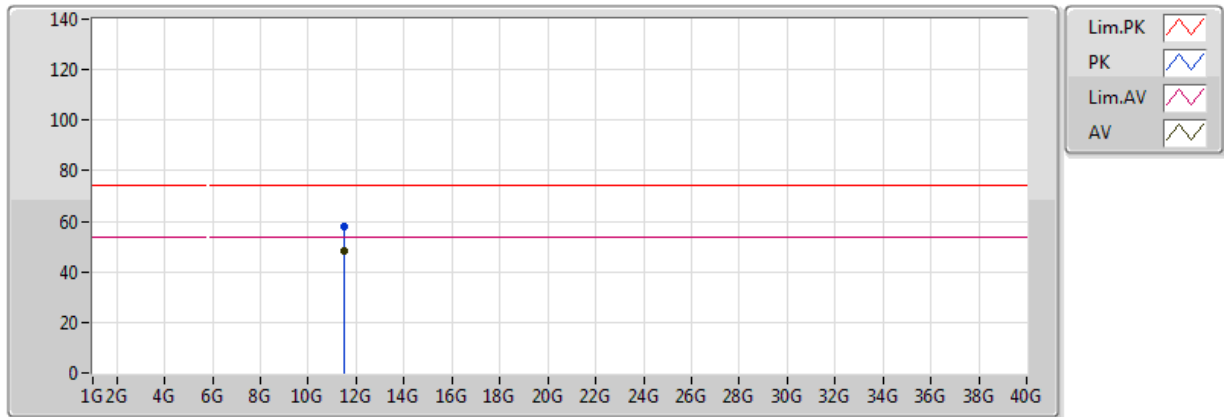


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.732G	125.97	Inf	-Inf	5.85	3	Horizontal	359	1.72	-	120.12	32.18	8.85	35.18
PK	5.6372G	62.85	68.20	-5.35	5.61	3	Horizontal	359	1.72	-	57.24	32.06	8.72	35.18
PK	5.732G	129.62	Inf	-Inf	5.85	3	Horizontal	359	1.72	-	123.77	32.18	8.85	35.18
PK	5.9408G	62.70	68.20	-5.50	6.38	3	Horizontal	359	1.72	-	56.32	32.43	9.15	35.19

BPSK_Nss1,(MCS0)_2TX

5732MHz_TX

11/12/2017

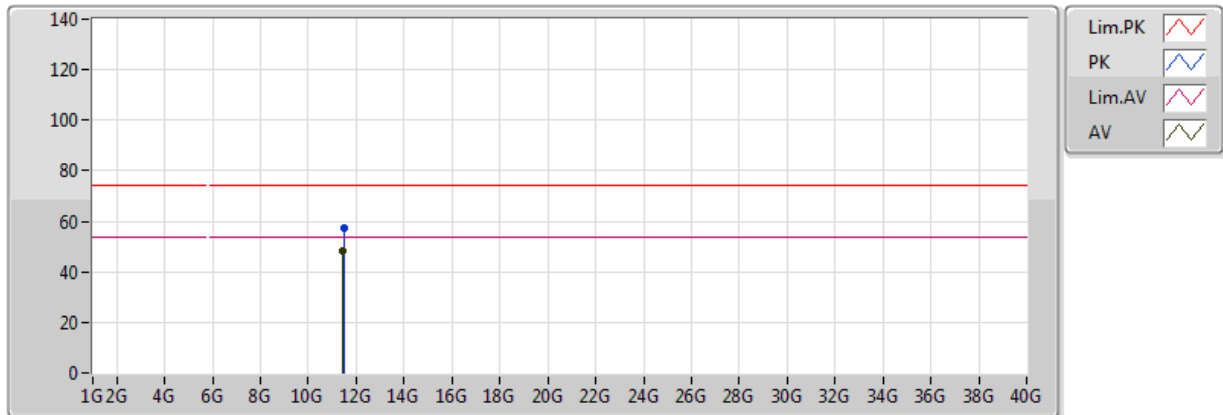


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.47612G	48.21	54.00	-5.79	15.96	3	Vertical	55	1.50	-	32.25	39.59	11.85	35.48
PK	11.476G	58.13	74.00	-15.87	15.96	3	Vertical	55	1.50	-	42.16	39.59	11.85	35.48

BPSK_Nss1,(MCS0)_2TX

5732MHz_TX

11/12/2017

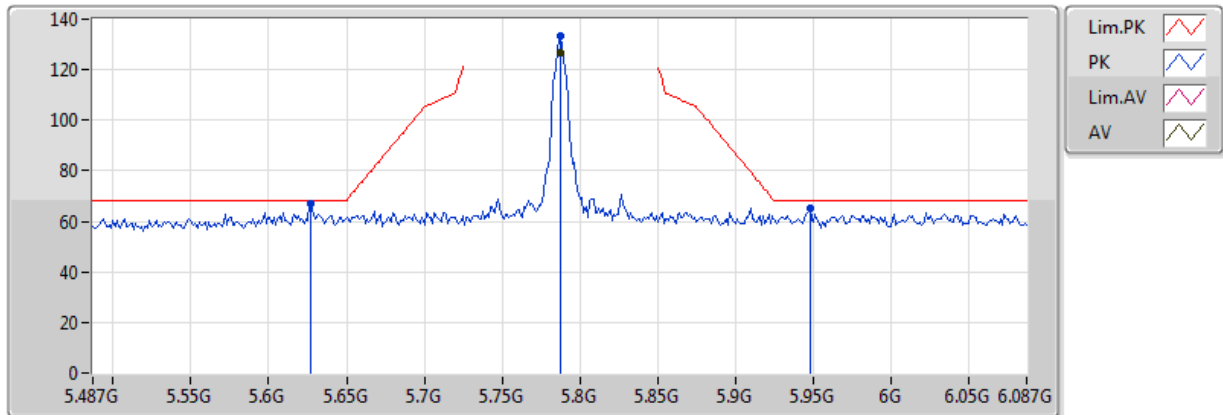


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.46412G	48.41	54.00	-5.59	15.98	3	Horizontal	2	1.50	-	32.43	39.60	11.84	35.47
PK	11.47612G	57.17	74.00	-16.83	15.96	3	Horizontal	2	1.50	-	41.21	39.59	11.85	35.48

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

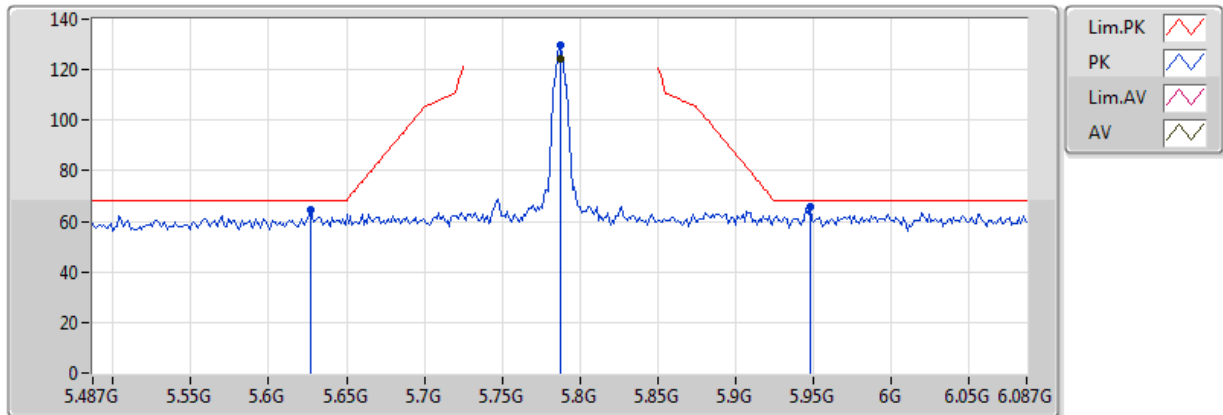


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.787G	126.80	Inf	-Inf	5.99	3	Vertical	358	1.69	-	120.81	32.24	8.93	35.19
PK	5.6274G	67.01	68.20	-1.19	5.58	3	Vertical	358	1.69	-	61.43	32.05	8.71	35.18
PK	5.787G	133.13	Inf	-Inf	5.99	3	Vertical	358	1.69	-	127.14	32.24	8.93	35.19
PK	5.9478G	65.13	68.20	-3.07	6.40	3	Vertical	358	1.69	-	58.73	32.44	9.16	35.19

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

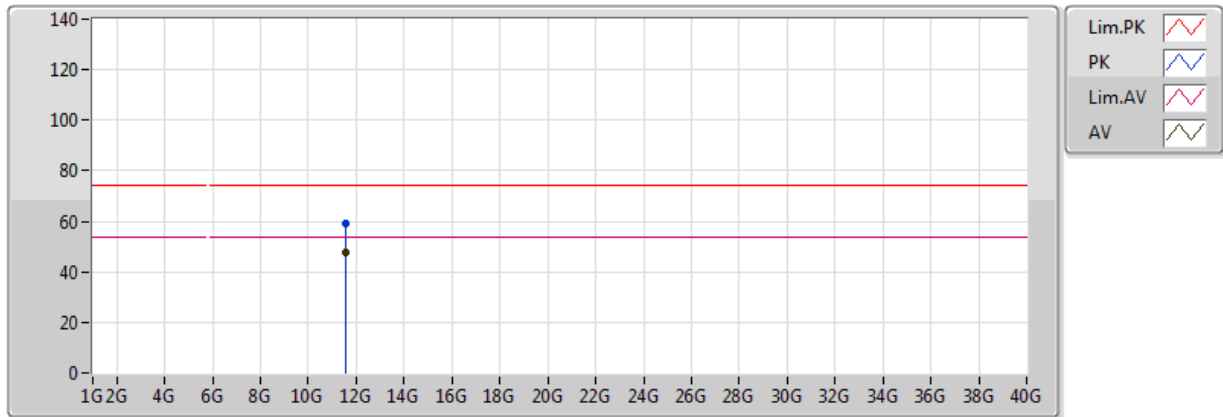


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.787G	124.09	Inf	-Inf	5.99	3	Horizontal	359	1.75	-	118.10	32.24	8.93	35.19
PK	5.6274G	64.80	68.20	-3.40	5.58	3	Horizontal	359	1.75	-	59.22	32.05	8.71	35.18
PK	5.787G	129.89	Inf	-Inf	5.99	3	Horizontal	359	1.75	-	123.90	32.24	8.93	35.19
PK	5.9478G	65.92	68.20	-2.28	6.40	3	Horizontal	359	1.75	-	59.52	32.44	9.16	35.19

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

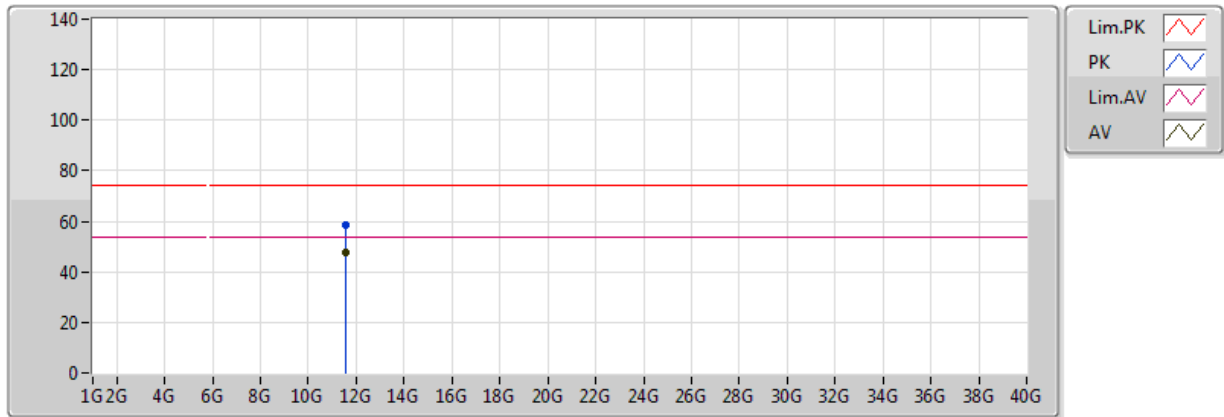


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.57724G	47.97	54.00	-6.03	15.83	3	Vertical	360	1.50	-	32.13	39.43	11.89	35.50
PK	11.58762G	59.29	74.00	-14.71	15.82	3	Vertical	360	1.50	-	43.48	39.42	11.90	35.50

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

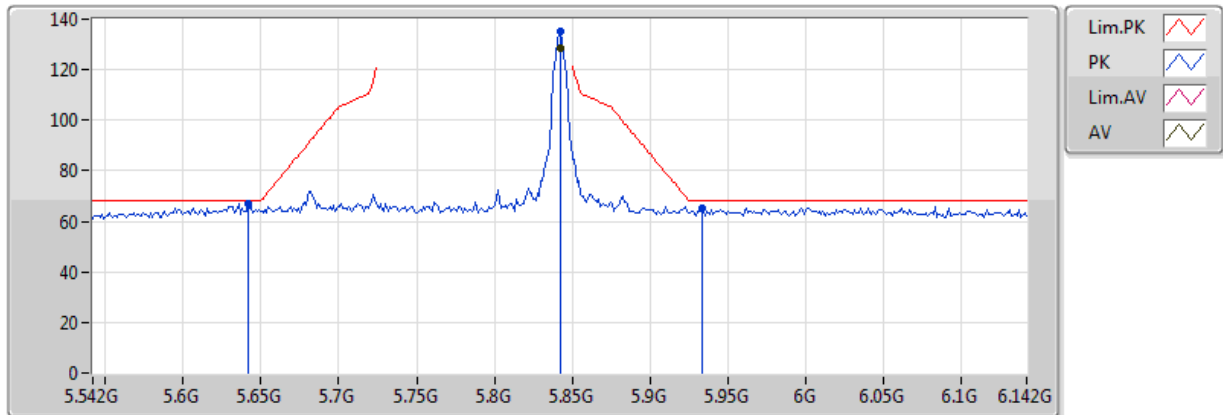


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56338G	47.91	54.00	-6.09	15.85	3	Horizontal	0	1.50	-	32.06	39.45	11.89	35.49
PK	11.58846G	58.78	74.00	-15.22	15.82	3	Horizontal	0	1.50	-	42.96	39.42	11.90	35.50

BPSK_Nss1,(MCS0)_2TX

5842MHz_TX

11/12/2017

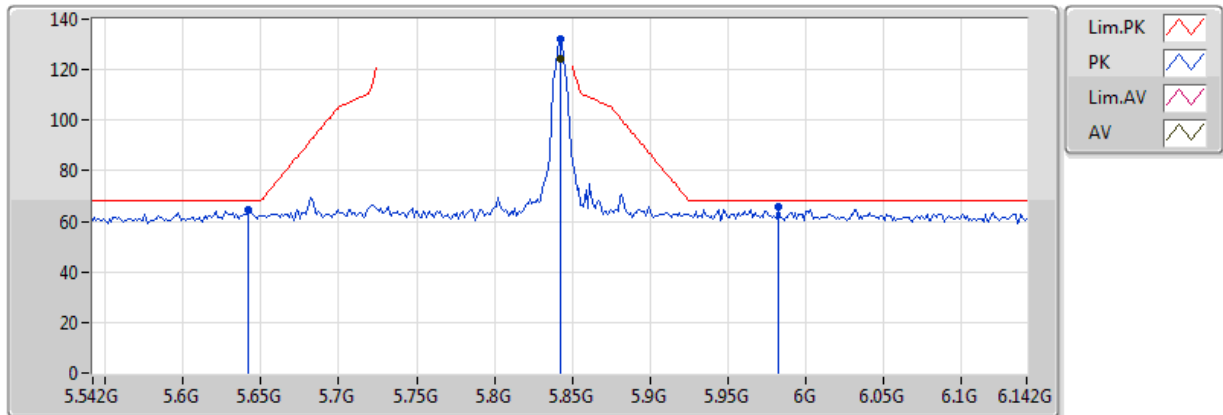


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.842G	128.83	Inf	-Inf	6.13	3	Vertical	359	1.71	-	122.70	32.31	9.01	35.19
PK	5.6416G	67.28	68.20	-0.92	5.62	3	Vertical	359	1.71	-	61.66	32.07	8.73	35.18
PK	5.842G	135.15	Inf	-Inf	6.13	3	Vertical	359	1.71	-	129.02	32.31	9.01	35.19
PK	5.9332G	65.02	68.20	-3.18	6.36	3	Vertical	359	1.71	-	58.66	32.42	9.14	35.19

BPSK_Nss1,(MCS0)_2TX

5842MHz_TX

11/12/2017

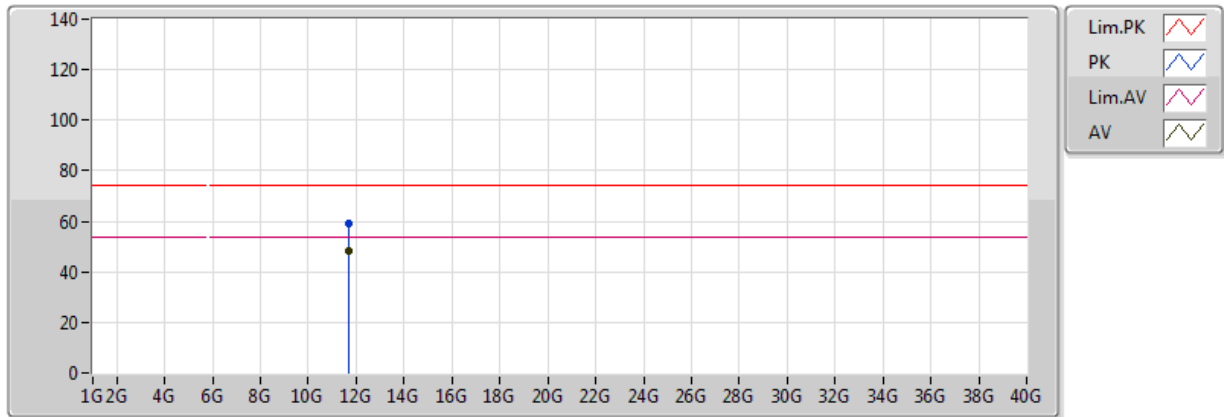


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.842G	124.42	Inf	-Inf	6.13	3	Horizontal	357	1.66	-	118.29	32.31	9.01	35.19
PK	5.6416G	64.39	68.20	-3.81	5.62	3	Horizontal	357	1.66	-	58.77	32.07	8.73	35.18
PK	5.842G	132.44	Inf	-Inf	6.13	3	Horizontal	357	1.66	-	126.31	32.31	9.01	35.19
PK	5.9824G	66.05	68.20	-2.15	6.49	3	Horizontal	357	1.66	-	59.57	32.48	9.21	35.20

BPSK_Nss1,(MCS0)_2TX

5842MHz_TX

11/12/2017

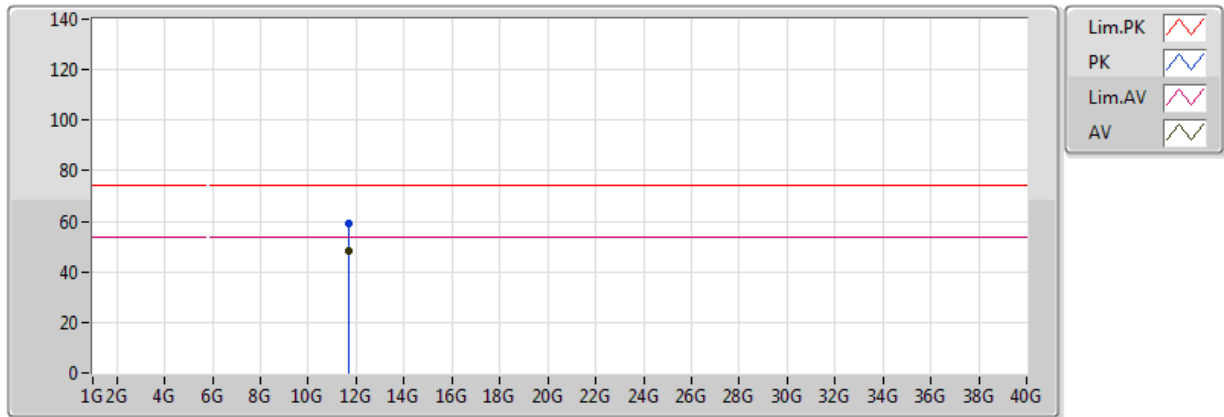


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.69468G	48.03	54.00	-5.97	15.68	3	Vertical	0	1.50	-	32.35	39.26	11.94	35.52
PK	11.69276G	59.14	74.00	-14.86	15.68	3	Vertical	0	1.50	-	43.46	39.26	11.94	35.52

BPSK_Nss1,(MCS0)_2TX

5842MHz_TX

11/12/2017

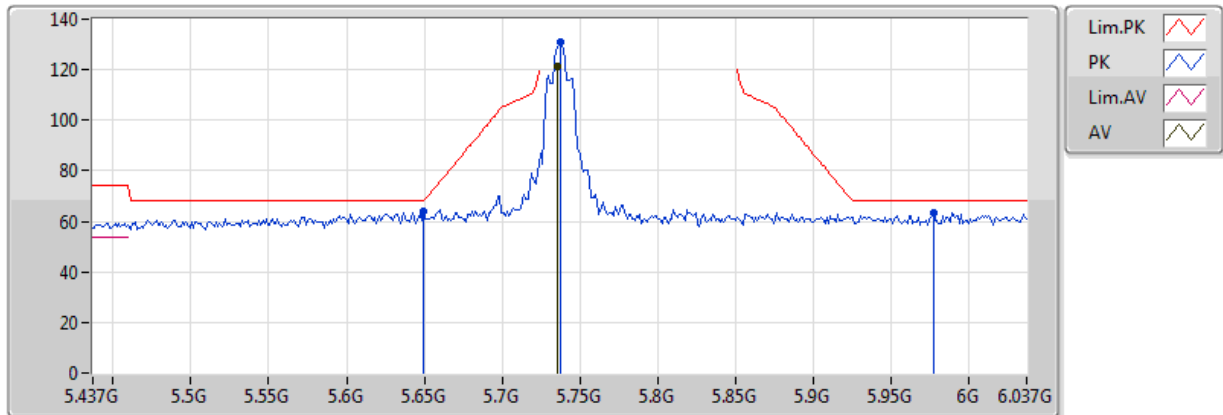


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.68238G	48.02	54.00	-5.98	15.70	3	Horizontal	360	1.50	-	32.33	39.28	11.94	35.52
PK	11.67614G	59.32	74.00	-14.68	15.70	3	Horizontal	360	1.50	-	43.61	39.29	11.93	35.52

BPSK_Nss1,(MCS0)_2TX

5737MHz_TX

11/12/2017

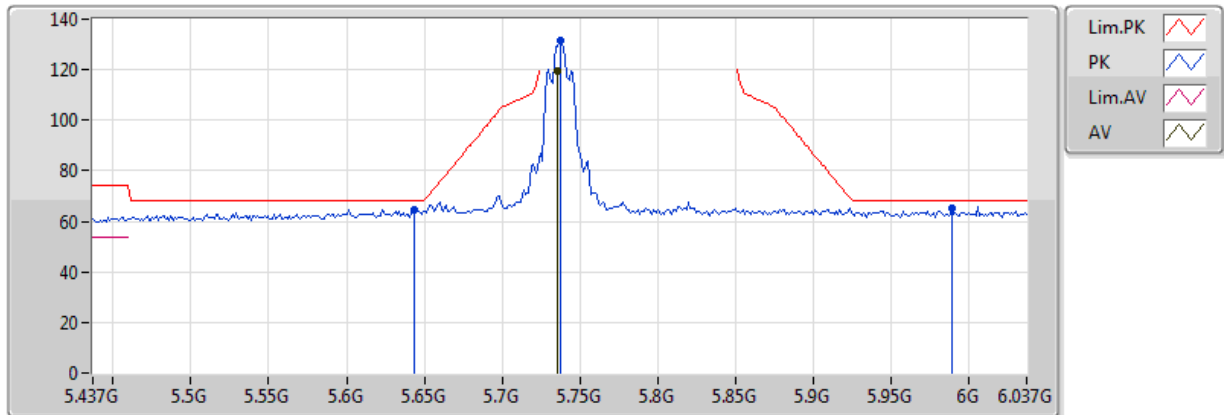


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7358G	121.10	Inf	-Inf	5.86	3	Vertical	357	1.70	-	115.24	32.18	8.86	35.18
PK	5.6494G	64.02	68.20	-4.18	5.64	3	Vertical	357	1.70	-	58.38	32.08	8.74	35.18
PK	5.737G	130.76	Inf	-Inf	5.86	3	Vertical	357	1.70	-	124.89	32.18	8.86	35.18
PK	5.977G	63.59	68.20	-4.61	6.47	3	Vertical	357	1.70	-	57.11	32.47	9.20	35.20

BPSK_Nss1,(MCS0)_2TX

5737MHz_TX

11/12/2017

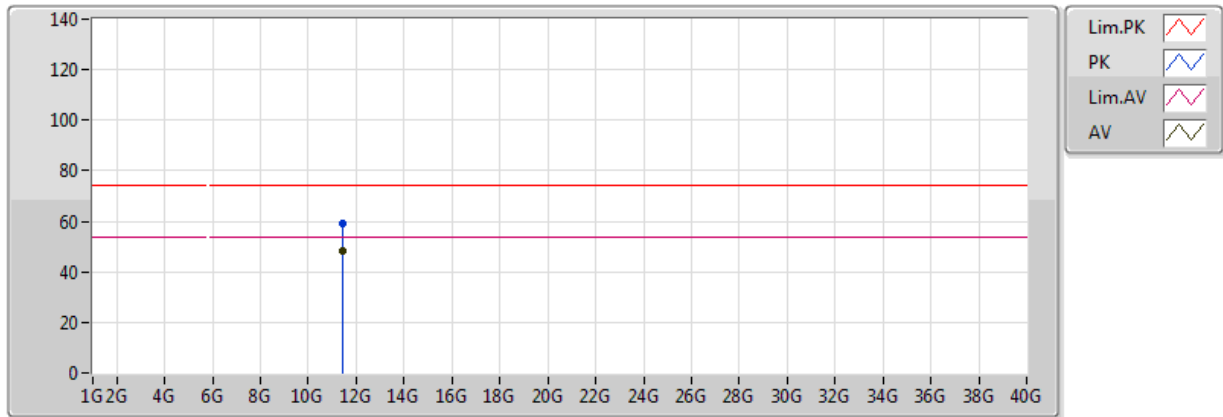


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7358G	119.77	Inf	-Inf	5.86	3	Horizontal	358	1.72	-	113.91	32.18	8.86	35.18
PK	5.6434G	64.55	68.20	-3.65	5.62	3	Horizontal	358	1.72	-	58.93	32.07	8.73	35.18
PK	5.737G	131.66	Inf	-Inf	5.86	3	Horizontal	358	1.72	-	125.80	32.18	8.86	35.18
PK	5.989G	65.03	68.20	-3.17	6.50	3	Horizontal	358	1.72	-	58.52	32.49	9.21	35.20

BPSK_Nss1,(MCS0)_2TX

5737MHz_TX

11/12/2017

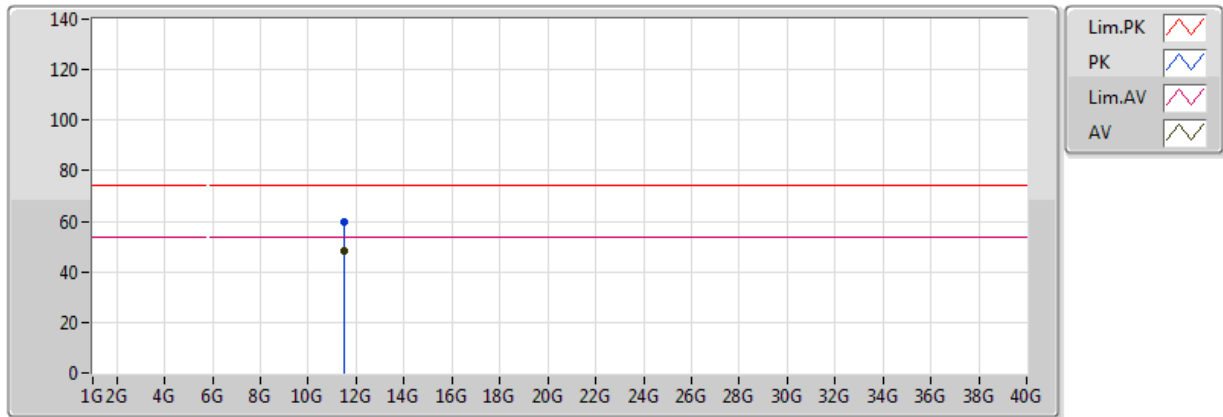


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.45954G	48.34	54.00	-5.66	15.98	3	Vertical	0	1.50	-	32.36	39.61	11.84	35.47
PK	11.45984G	58.90	74.00	-15.10	15.98	3	Vertical	0	1.50	-	42.91	39.61	11.84	35.47

BPSK_Nss1,(MCS0)_2TX

5737MHz_TX

11/12/2017

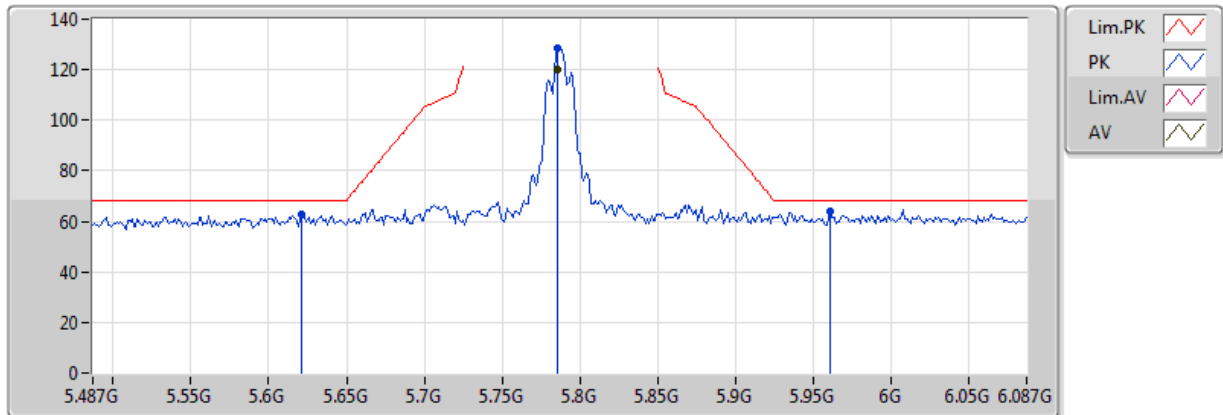


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.47436G	48.26	54.00	-5.74	15.96	3	Horizontal	360	1.50	-	32.30	39.59	11.85	35.47
PK	11.48732G	59.78	74.00	-14.22	15.95	3	Horizontal	360	1.50	-	43.84	39.57	11.85	35.48

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

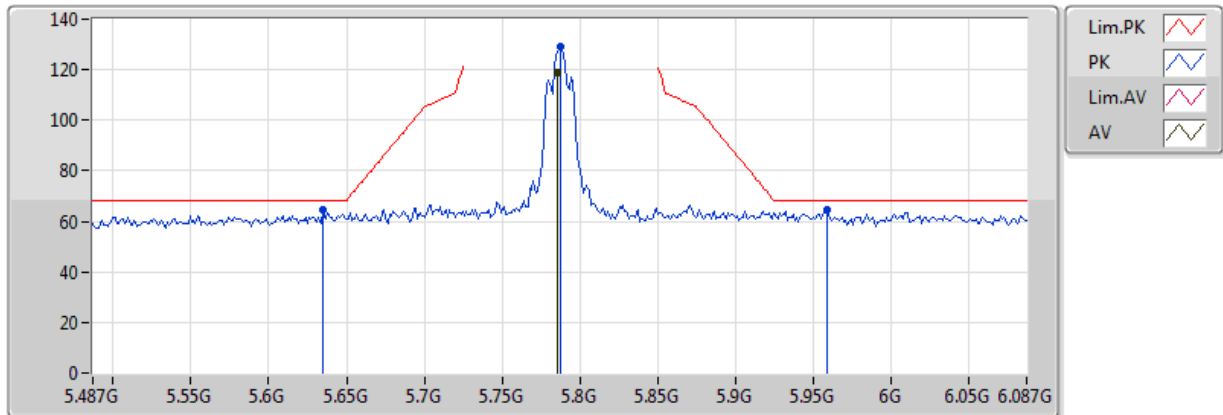


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7858G	120.28	Inf	-Inf	5.98	3	Vertical	358	1.71	-	114.30	32.24	8.93	35.19
PK	5.6214G	63.05	68.20	-5.15	5.57	3	Vertical	358	1.71	-	57.49	32.05	8.70	35.18
PK	5.7858G	128.25	Inf	-Inf	5.98	3	Vertical	358	1.71	-	122.26	32.24	8.93	35.19
PK	5.961G	63.98	68.20	-4.22	6.43	3	Vertical	358	1.71	-	57.55	32.45	9.18	35.20

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

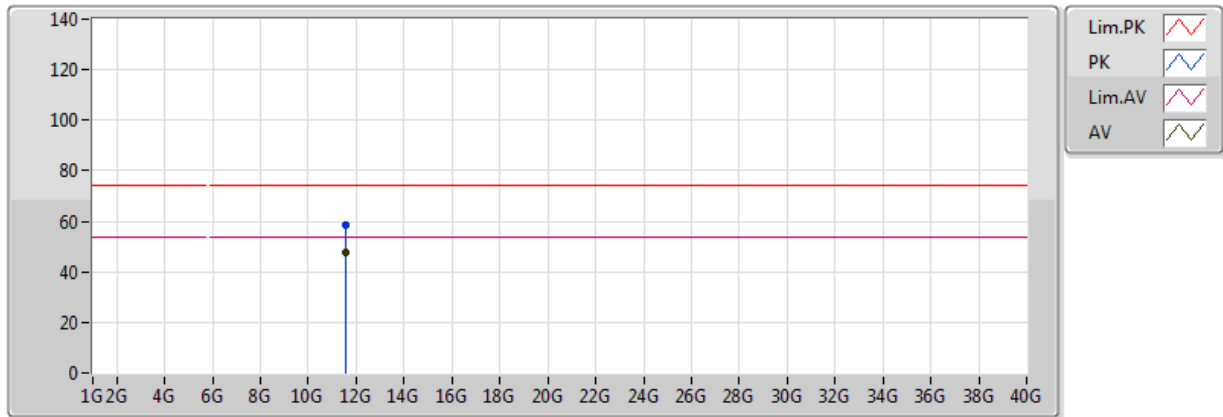


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7858G	118.88	Inf	-Inf	5.98	3	Horizontal	357	1.64	-	112.90	32.24	8.93	35.19
PK	5.6346G	64.44	68.20	-3.76	5.60	3	Horizontal	357	1.64	-	58.84	32.06	8.72	35.18
PK	5.787G	128.88	Inf	-Inf	5.99	3	Horizontal	357	1.64	-	122.89	32.24	8.93	35.19
PK	5.9586G	64.57	68.20	-3.63	6.43	3	Horizontal	357	1.64	-	58.15	32.45	9.17	35.20

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

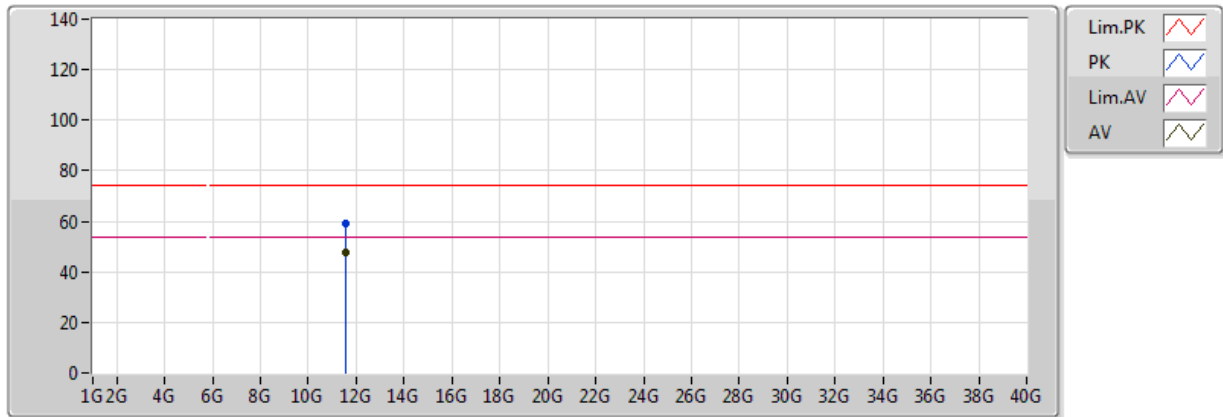


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.58636G	47.97	54.00	-6.03	15.82	3	Vertical	0	1.50	-	32.15	39.42	11.90	35.50
PK	11.57982G	58.81	74.00	-15.19	15.83	3	Vertical	0	1.50	-	42.98	39.43	11.89	35.50

BPSK_Nss1,(MCS0)_2TX

5787MHz_TX

11/12/2017

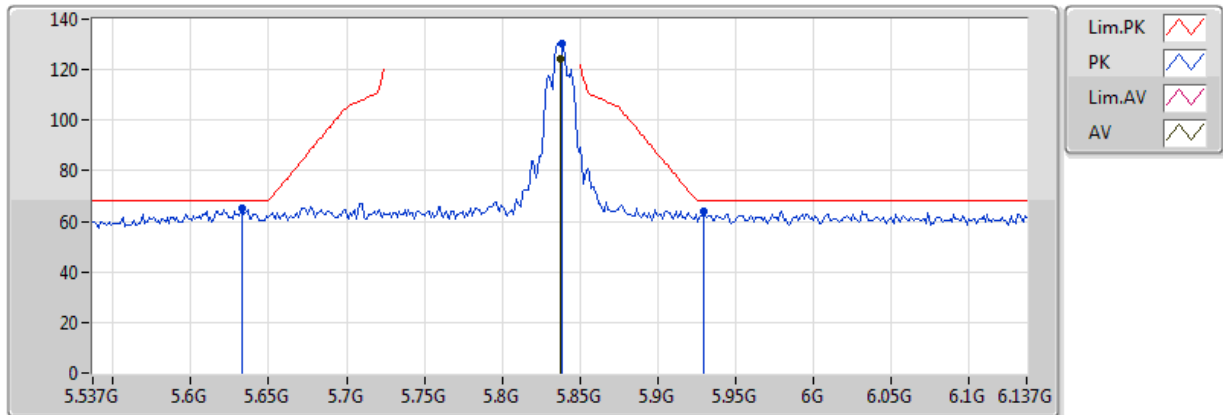


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57442G	47.87	54.00	-6.13	15.83	3	Horizontal	360	1.50	-	32.04	39.44	11.89	35.49
PK	11.56482G	59.03	74.00	-14.97	15.85	3	Horizontal	360	1.50	-	43.18	39.45	11.89	35.49

BPSK_Nss1,(MCS0)_2TX

5837MHz_TX

11/12/2017

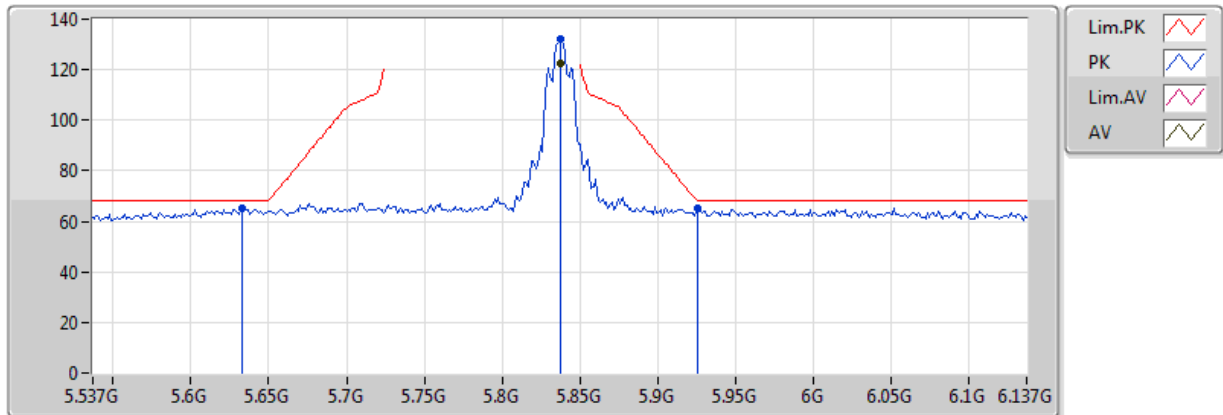


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.837G	124.49	Inf	-Inf	6.12	3	Vertical	357	1.71	-	118.37	32.30	9.00	35.19
PK	5.633G	65.38	68.20	-2.82	5.60	3	Vertical	357	1.71	-	59.79	32.06	8.72	35.18
PK	5.8382G	130.46	Inf	-Inf	6.12	3	Vertical	357	1.71	-	124.34	32.31	9.00	35.19
PK	5.9294G	63.93	68.20	-4.27	6.35	3	Vertical	357	1.71	-	57.58	32.42	9.13	35.19

BPSK_Nss1,(MCS0)_2TX

5837MHz_TX

11/12/2017

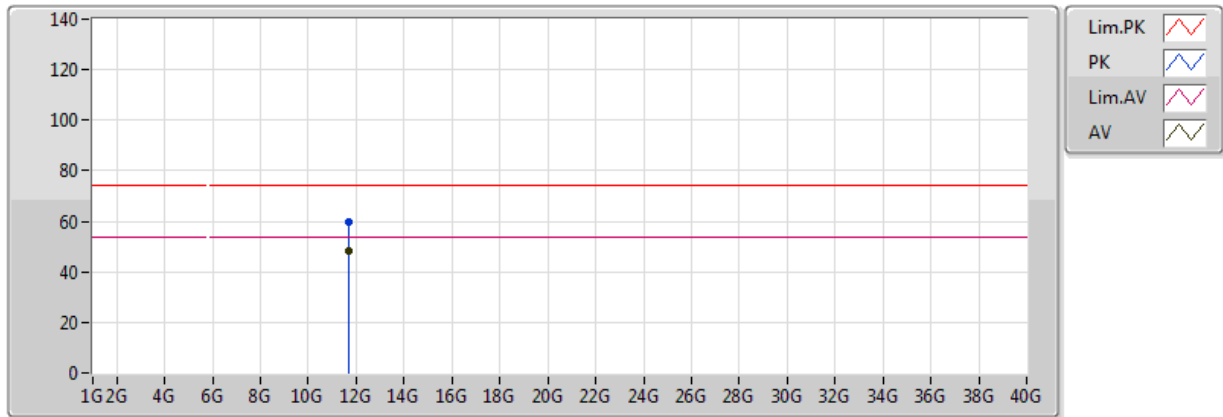


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.837G	122.59	Inf	-Inf	6.12	3	Horizontal	359	1.64	-	116.48	32.30	9.00	35.19
PK	5.633G	65.38	68.20	-2.82	5.60	3	Horizontal	359	1.64	-	59.79	32.06	8.72	35.18
PK	5.837G	132.17	Inf	-Inf	6.12	3	Horizontal	359	1.64	-	126.06	32.30	9.00	35.19
PK	5.9258G	65.29	68.20	-2.91	6.34	3	Horizontal	359	1.64	-	58.94	32.41	9.13	35.19

BPSK_Nss1,(MCS0)_2TX

5837MHz_TX

11/12/2017

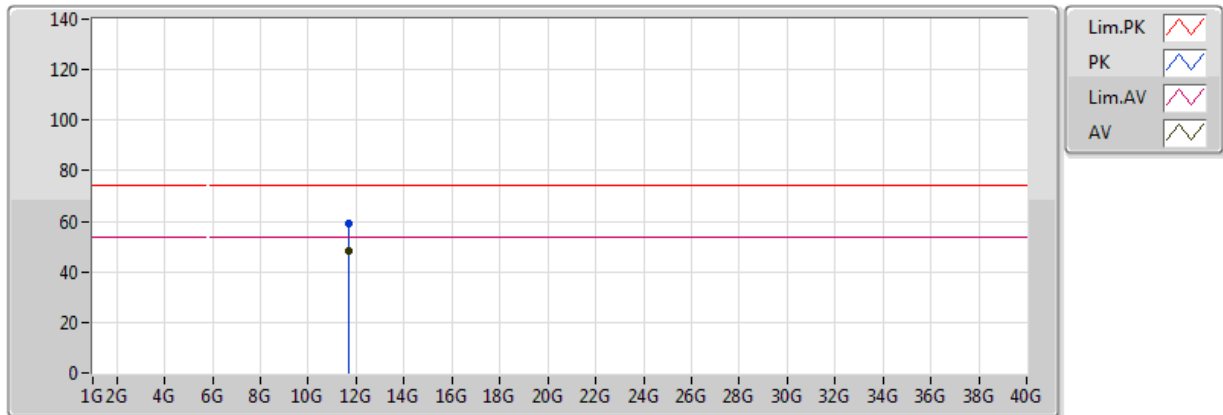


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.67892G	48.03	54.00	-5.97	15.70	3	Vertical	360	1.50	-	32.33	39.28	11.94	35.52
PK	11.6665G	60.03	74.00	-13.97	15.72	3	Vertical	360	1.50	-	44.31	39.30	11.93	35.51

BPSK_Nss1,(MCS0)_2TX

5837MHz_TX

11/12/2017

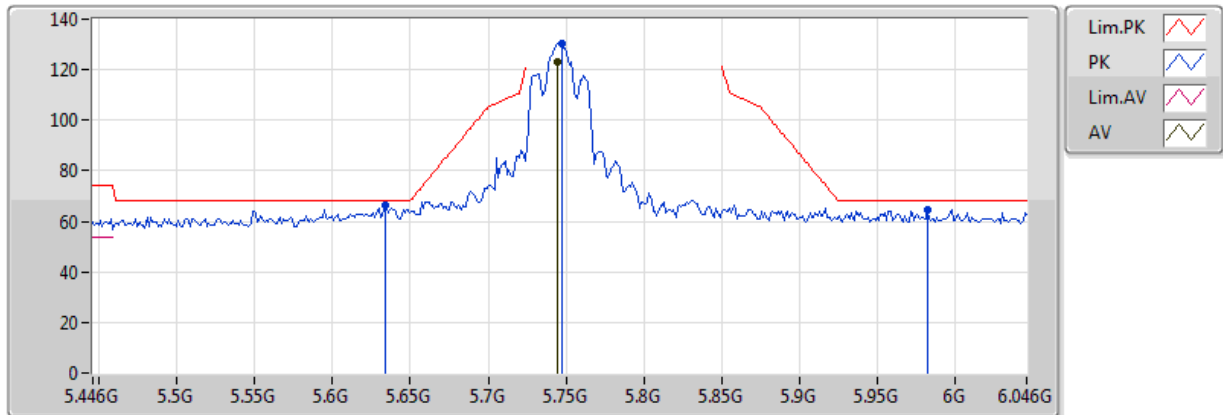


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.67424G	48.30	54.00	-5.70	15.71	3	Horizontal	360	1.50	-	32.59	39.29	11.93	35.51
PK	11.67574G	59.32	74.00	-14.68	15.71	3	Horizontal	360	1.50	-	43.62	39.29	11.93	35.52

BPSK_Nss1,(MCS0)_2TX

5746MHz_TX

11/12/2017

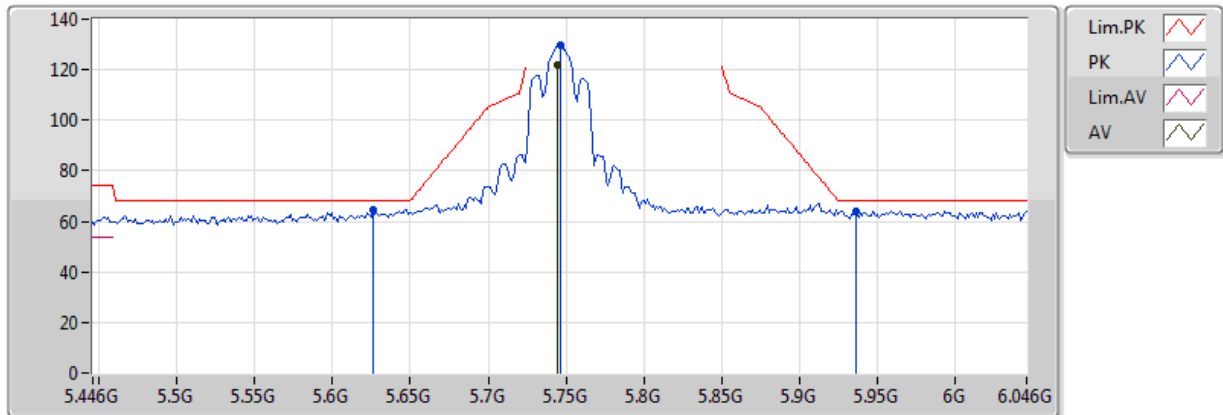


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7448G	122.86	Inf	-Inf	5.88	3	Vertical	357	1.67	-	116.98	32.19	8.87	35.18
PK	5.6344G	66.37	68.20	-1.83	5.60	3	Vertical	357	1.67	-	60.77	32.06	8.72	35.18
PK	5.7472G	130.48	Inf	-Inf	5.89	3	Vertical	357	1.67	-	124.59	32.20	8.88	35.18
PK	5.9824G	64.39	68.20	-3.81	6.49	3	Vertical	357	1.67	-	57.90	32.48	9.21	35.20

BPSK_Nss1,(MCS0)_2TX

5746MHz_TX

11/12/2017

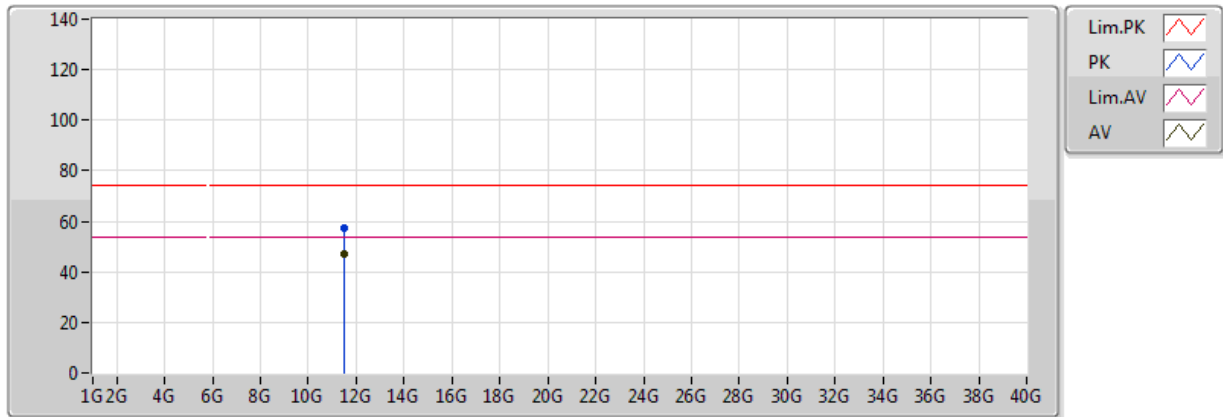


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7448G	122.17	Inf	-Inf	5.88	3	Horizontal	357	1.67	-	116.29	32.19	8.87	35.18
PK	5.626G	64.83	68.20	-3.37	5.58	3	Horizontal	357	1.67	-	59.26	32.05	8.71	35.18
PK	5.746G	129.78	Inf	-Inf	5.89	3	Horizontal	357	1.67	-	123.90	32.20	8.87	35.18
PK	5.9368G	64.04	68.20	-4.16	6.37	3	Horizontal	357	1.67	-	57.66	32.42	9.14	35.19

BPSK_Nss1,(MCS0)_2TX

5746MHz_TX

11/12/2017

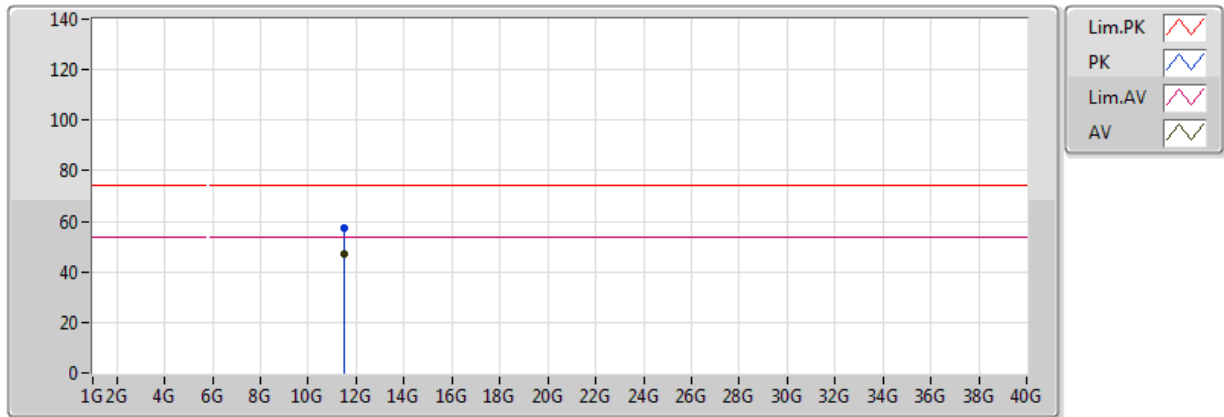


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49188G	47.10	54.00	-6.90	15.94	3	Vertical	360	1.50	-	31.16	39.56	11.86	35.48
PK	11.4887G	57.34	74.00	-16.66	15.94	3	Vertical	360	1.50	-	41.40	39.57	11.86	35.48

BPSK_Nss1,(MCS0)_2TX

5746MHz_TX

11/12/2017

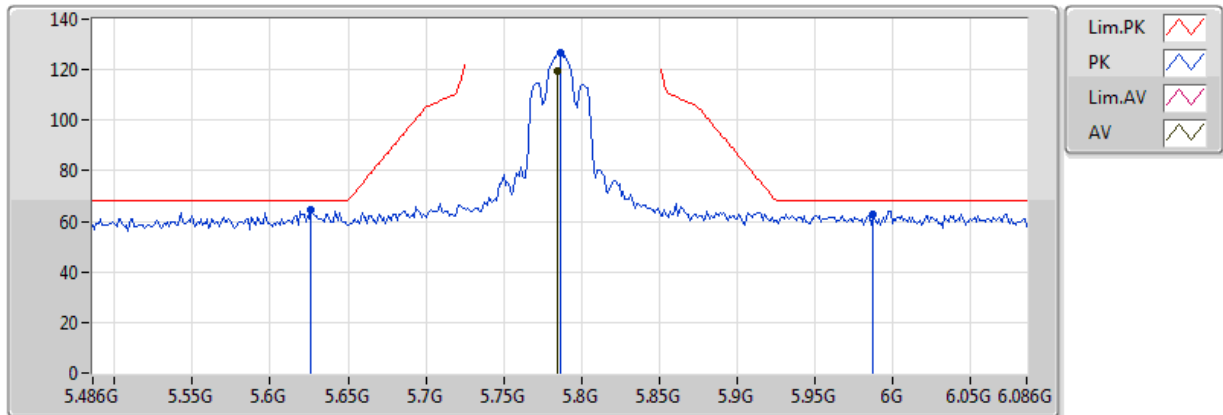


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49182G	47.27	54.00	-6.73	15.94	3	Horizontal	0	1.50	-	31.33	39.56	11.86	35.48
PK	11.498G	57.11	74.00	-16.89	15.93	3	Horizontal	0	1.50	-	41.17	39.55	11.86	35.48

BPSK_Nss1,(MCS0)_2TX

5786MHz_TX

11/12/2017

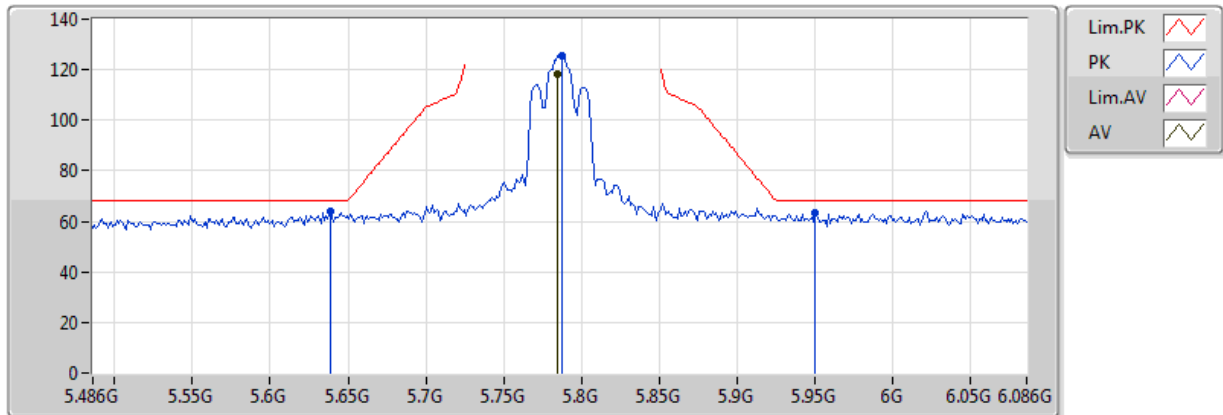


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7848G	119.50	Inf	-Inf	5.98	3	Vertical	355	1.71	-	113.52	32.24	8.93	35.19
PK	5.6264G	64.49	68.20	-3.71	5.58	3	Vertical	355	1.71	-	58.91	32.05	8.71	35.18
PK	5.786G	126.96	Inf	-Inf	5.98	3	Vertical	355	1.71	-	120.97	32.24	8.93	35.19
PK	5.9876G	62.58	68.20	-5.62	6.50	3	Vertical	355	1.71	-	56.08	32.49	9.21	35.20

BPSK_Nss1,(MCS0)_2TX

5786MHz_TX

11/12/2017

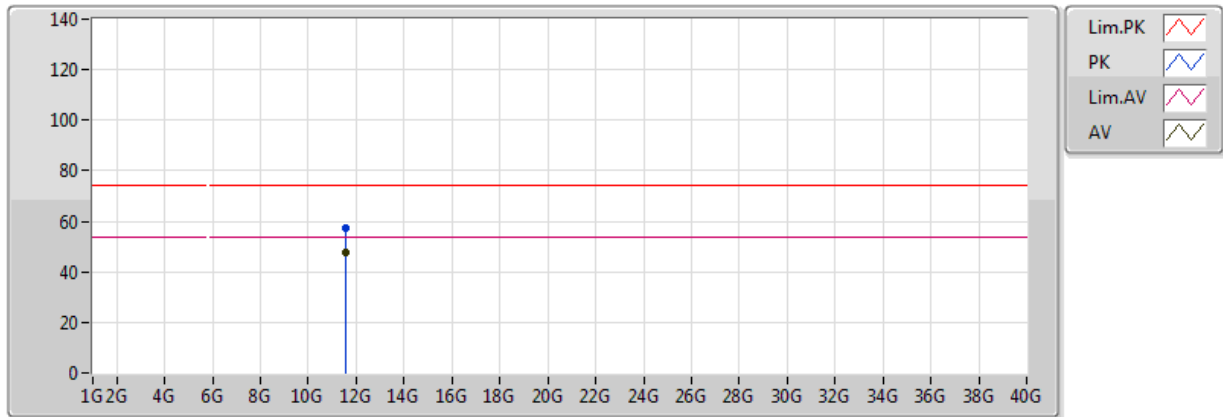


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7848G	118.28	Inf	-Inf	5.98	3	Horizontal	356	1.67	-	112.29	32.24	8.93	35.19
PK	5.6384G	64.25	68.20	-3.95	5.61	3	Horizontal	356	1.67	-	58.64	32.07	8.72	35.18
PK	5.7872G	125.36	Inf	-Inf	5.99	3	Horizontal	356	1.67	-	119.37	32.24	8.93	35.19
PK	5.9504G	63.42	68.20	-4.78	6.41	3	Horizontal	356	1.67	-	57.01	32.44	9.16	35.20

BPSK_Nss1,(MCS0)_2TX

5786MHz_TX

11/12/2017

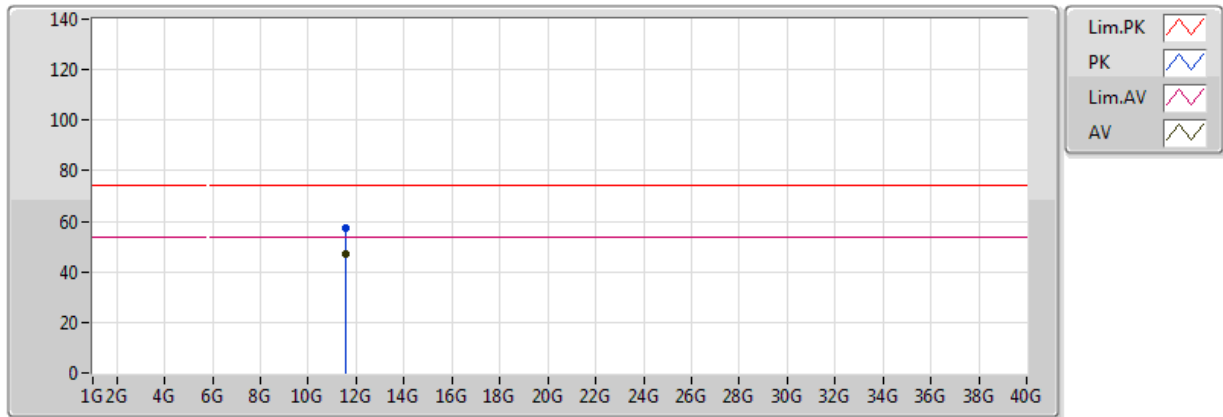


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.58082G	47.48	54.00	-6.52	15.83	3	Vertical	0	1.50	-	31.65	39.43	11.89	35.50
PK	11.58562G	57.39	74.00	-16.61	15.82	3	Vertical	0	1.50	-	41.57	39.42	11.90	35.50

BPSK_Nss1,(MCS0)_2TX

5786MHz_TX

11/12/2017

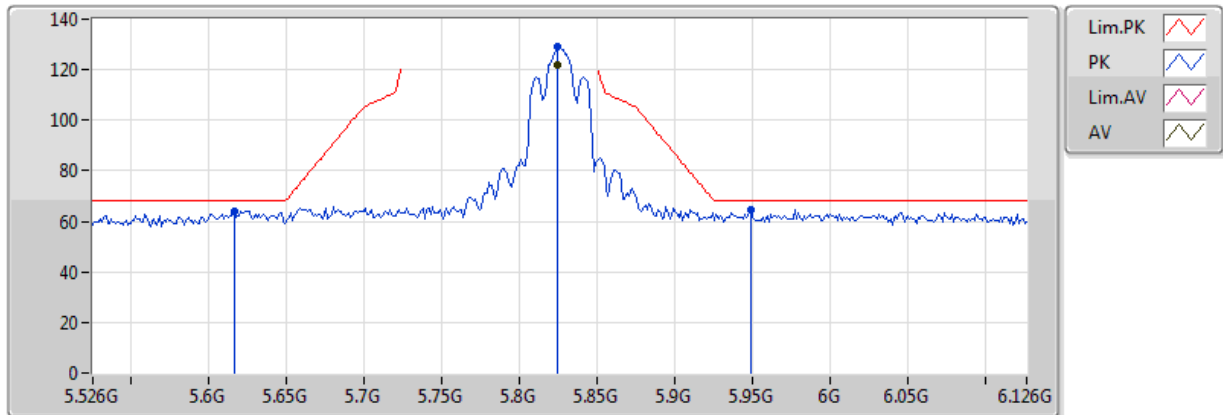


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57842G	47.30	54.00	-6.70	15.83	3	Horizontal	360	1.50	-	31.47	39.43	11.89	35.50
PK	11.58316G	57.19	74.00	-16.81	15.82	3	Horizontal	360	1.50	-	41.37	39.43	11.89	35.50

BPSK_Nss1,(MCS0)_2TX

5826MHz_TX

11/12/2017

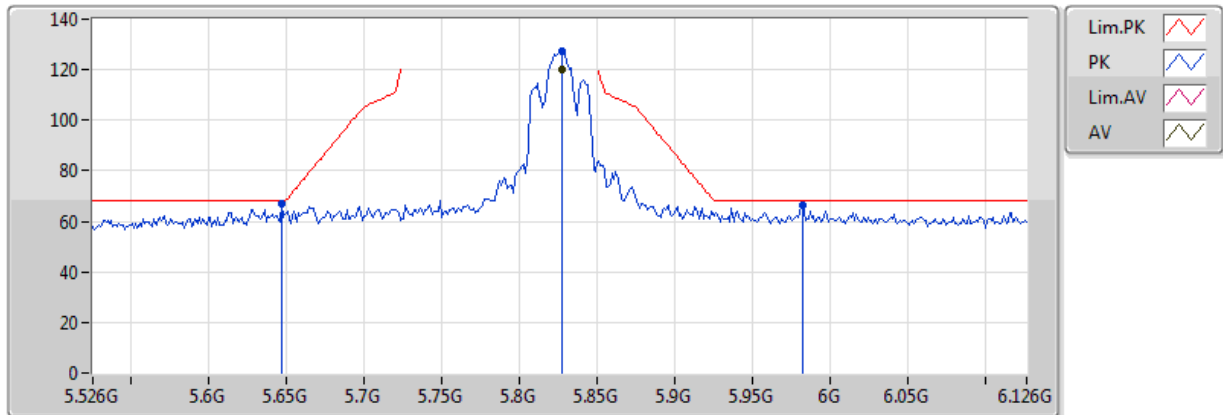


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8248G	121.65	Inf	-Inf	6.08	3	Vertical	356	1.66	-	115.57	32.29	8.98	35.19
PK	5.6172G	64.23	68.20	-3.97	5.55	3	Vertical	356	1.66	-	58.68	32.04	8.69	35.18
PK	5.8248G	129.22	Inf	-Inf	6.08	3	Vertical	356	1.66	-	123.14	32.29	8.98	35.19
PK	5.9484G	64.72	68.20	-3.48	6.40	3	Vertical	356	1.66	-	58.32	32.44	9.16	35.19

BPSK_Nss1,(MCS0)_2TX

5826MHz_TX

11/12/2017

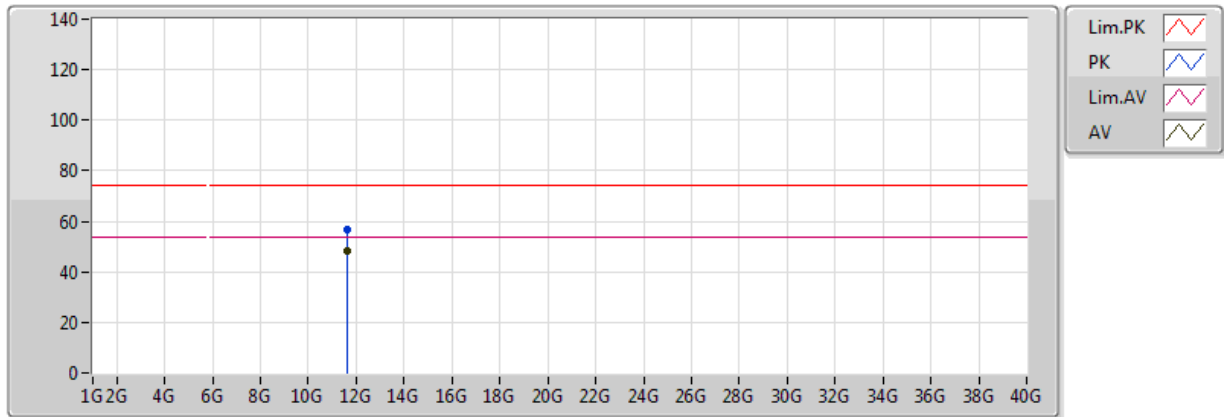


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8272G	120.30	Inf	-Inf	6.09	3	Horizontal	353	1.70	-	114.21	32.29	8.99	35.19
PK	5.6472G	67.00	68.20	-1.20	5.63	3	Horizontal	353	1.70	-	61.37	32.08	8.74	35.18
PK	5.8272G	127.44	Inf	-Inf	6.09	3	Horizontal	353	1.70	-	121.35	32.29	8.99	35.19
PK	5.982G	66.28	68.20	-1.92	6.48	3	Horizontal	353	1.70	-	59.80	32.48	9.20	35.20

BPSK_Nss1,(MCS0)_2TX

5826MHz_TX

11/12/2017

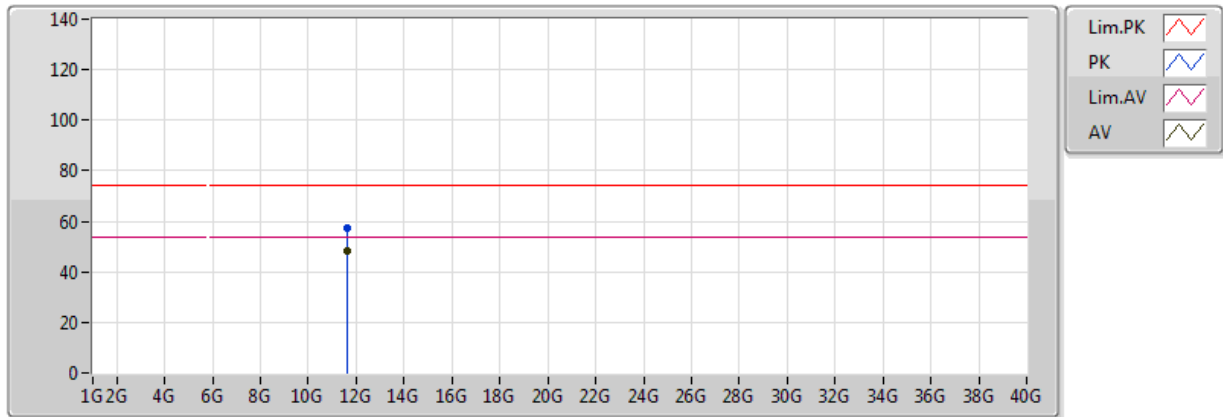


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.64042G	48.41	54.00	-5.59	15.75	3	Vertical	360	1.50	-	32.66	39.34	11.92	35.51
PK	11.63892G	56.74	74.00	-17.26	15.75	3	Vertical	360	1.50	-	40.99	39.34	11.92	35.51

BPSK_Nss1,(MCS0)_2TX

5826MHz_TX

11/12/2017

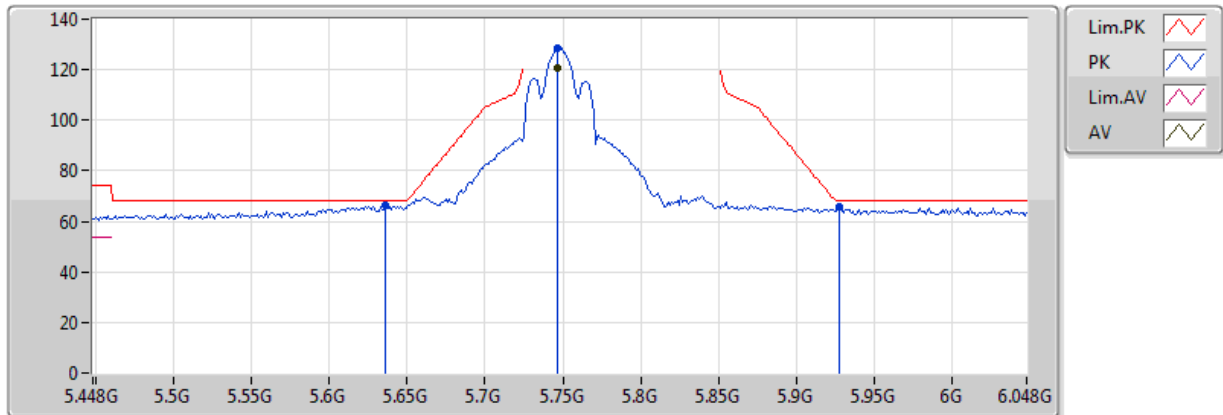


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.65038G	48.39	54.00	-5.61	15.74	3	Horizontal	0	1.50	-	32.65	39.32	11.92	35.51
PK	11.64264G	57.41	74.00	-16.59	15.75	3	Horizontal	0	1.50	-	41.66	39.34	11.92	35.51

BPSK_Nss1,(MCS0)_2TX

5748MHz_TX

11/12/2017

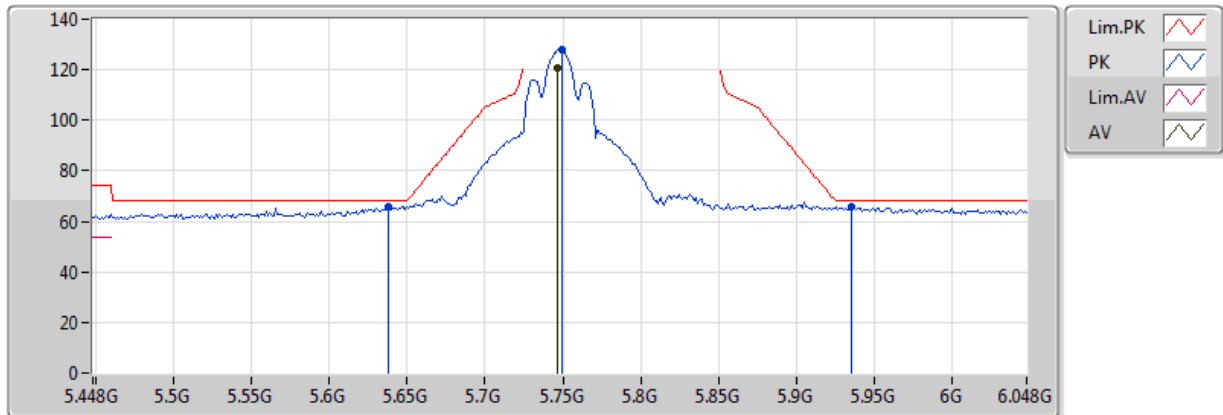


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7468G	120.96	Inf	-Inf	5.89	3	Vertical	357	1.71	-	115.07	32.20	8.88	35.18
PK	5.6364G	66.36	68.20	-1.84	5.60	3	Vertical	357	1.71	-	60.75	32.06	8.72	35.18
PK	5.7468G	128.42	Inf	-Inf	5.89	3	Vertical	357	1.71	-	122.53	32.20	8.88	35.18
PK	5.928G	65.71	68.20	-2.49	6.35	3	Vertical	357	1.71	-	59.36	32.41	9.13	35.19

BPSK_Nss1,(MCS0)_2TX

5748MHz_TX

11/12/2017

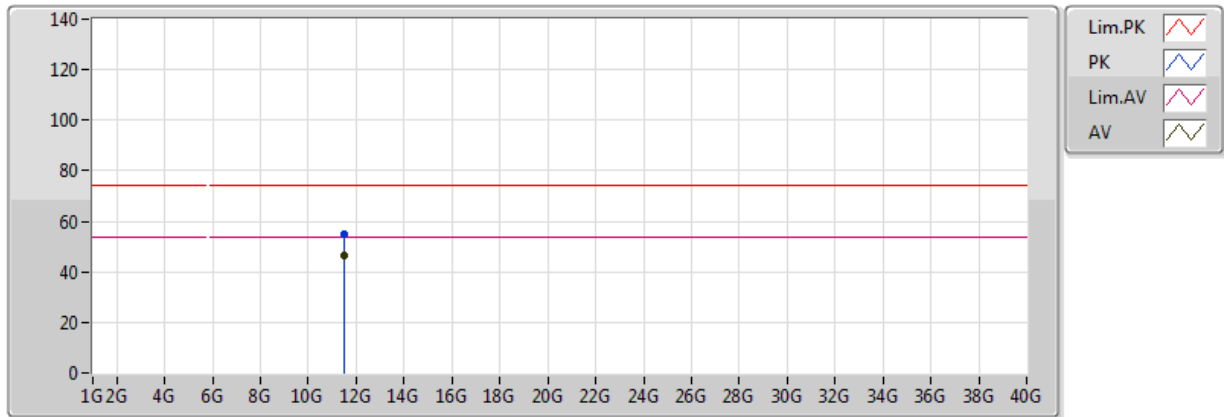


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7468G	120.76	Inf	-Inf	5.89	3	Horizontal	356	1.70	-	114.87	32.20	8.88	35.18
PK	5.6376G	65.82	68.20	-2.38	5.61	3	Horizontal	356	1.70	-	60.21	32.07	8.72	35.18
PK	5.7492G	128.18	Inf	-Inf	5.89	3	Horizontal	356	1.70	-	122.29	32.20	8.88	35.18
PK	5.9352G	65.97	68.20	-2.23	6.37	3	Horizontal	356	1.70	-	59.60	32.42	9.14	35.19

BPSK_Nss1,(MCS0)_2TX

5748MHz_TX

11/12/2017

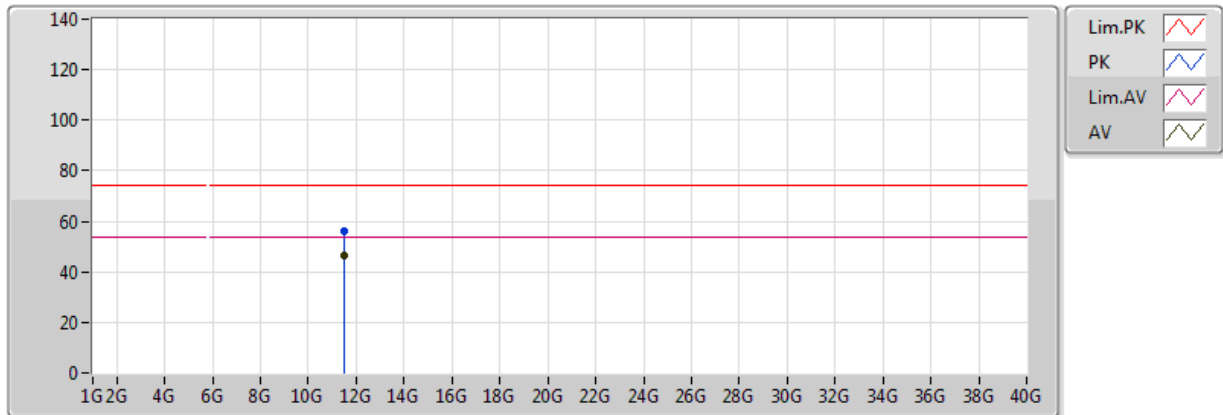


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.50548G	46.59	54.00	-7.41	15.92	3	Vertical	0	1.50	-	30.66	39.54	11.86	35.48
PK	11.49744G	54.89	74.00	-19.11	15.93	3	Vertical	0	1.50	-	38.95	39.55	11.86	35.48

BPSK_Nss1,(MCS0)_2TX

5748MHz_TX

11/12/2017

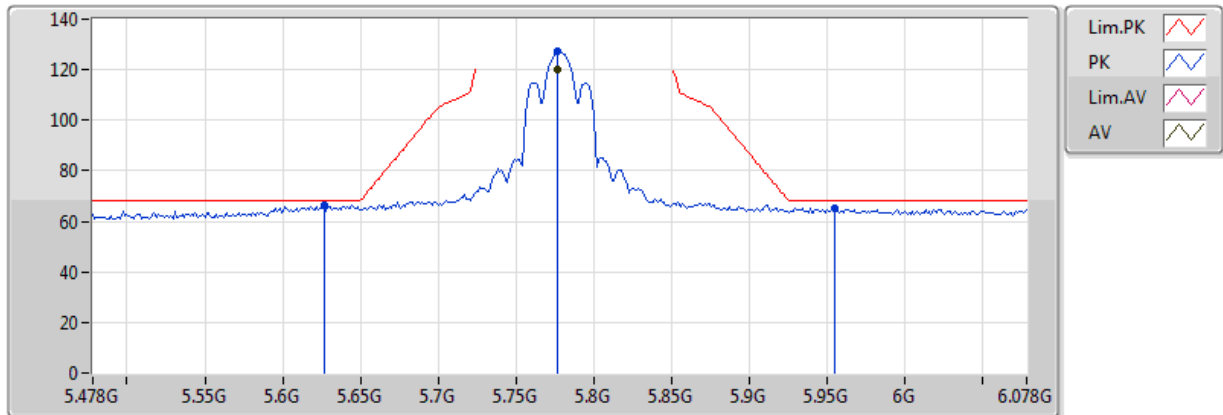


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.4942G	46.70	54.00	-7.30	15.94	3	Horizontal	360	1.50	-	30.76	39.56	11.86	35.48
PK	11.4897G	56.15	74.00	-17.85	15.94	3	Horizontal	360	1.50	-	40.21	39.57	11.86	35.48

BPSK_Nss1,(MCS0)_2TX

5778MHz_TX

11/12/2017

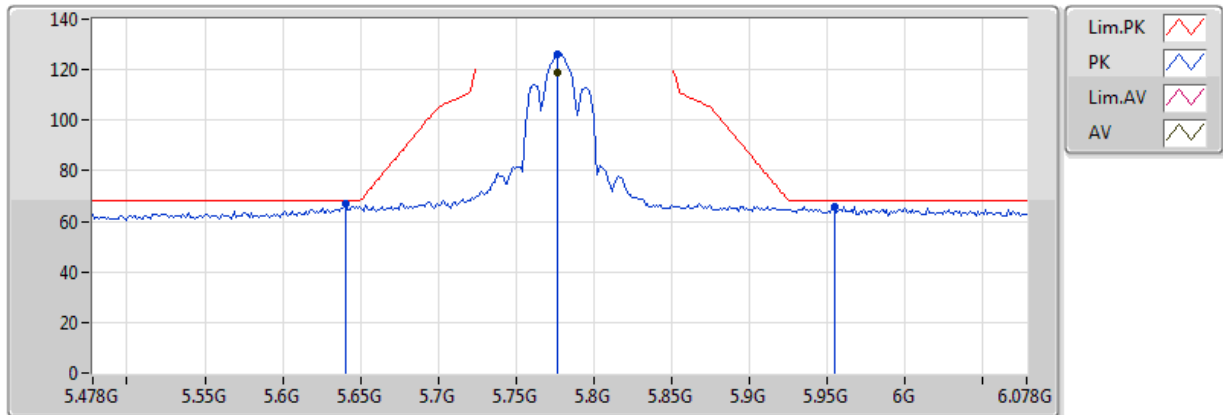


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7768G	120.05	Inf	-Inf	5.96	3	Vertical	353	1.66	-	114.09	32.23	8.92	35.19
PK	5.6268G	66.48	68.20	-1.72	5.58	3	Vertical	353	1.66	-	60.90	32.05	8.71	35.18
PK	5.7768G	127.59	Inf	-Inf	5.96	3	Vertical	353	1.66	-	121.63	32.23	8.92	35.19
PK	5.9544G	65.08	68.20	-3.12	6.42	3	Vertical	353	1.66	-	58.67	32.45	9.17	35.20

BPSK_Nss1,(MCS0)_2TX

5778MHz_TX

11/12/2017

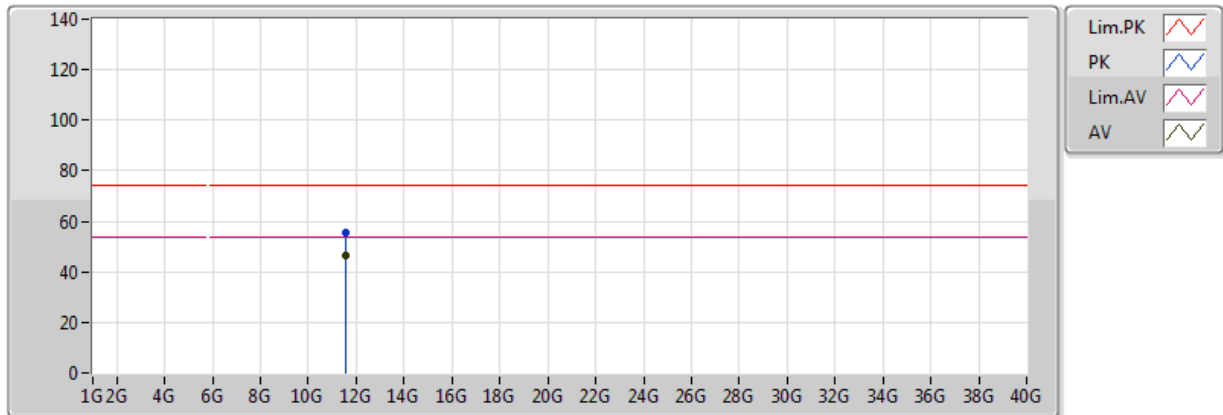


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7768G	118.63	Inf	-Inf	5.96	3	Horizontal	351	1.65	-	112.67	32.23	8.92	35.19
PK	5.64G	67.05	68.20	-1.15	5.61	3	Horizontal	351	1.65	-	61.44	32.07	8.73	35.18
PK	5.7768G	126.23	Inf	-Inf	5.96	3	Horizontal	351	1.65	-	120.27	32.23	8.92	35.19
PK	5.9544G	65.90	68.20	-2.30	6.42	3	Horizontal	351	1.65	-	59.48	32.45	9.17	35.20

BPSK_Nss1,(MCS0)_2TX

5778MHz_TX

11/12/2017

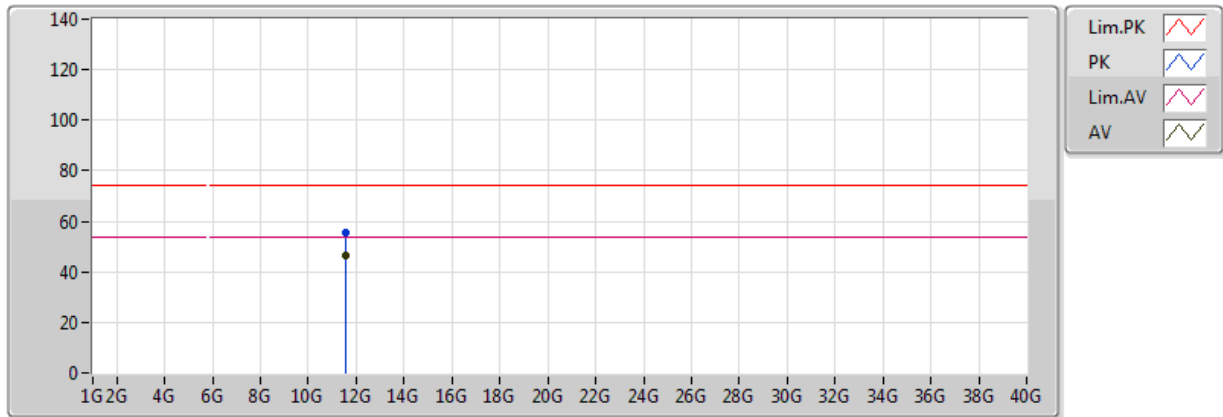


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56938G	46.31	54.00	-7.69	15.84	3	Vertical	360	1.50	-	30.47	39.45	11.89	35.49
PK	11.54442G	55.57	74.00	-18.43	15.87	3	Vertical	360	1.50	-	39.70	39.48	11.88	35.49

BPSK_Nss1,(MCS0)_2TX

5778MHz_TX

11/12/2017

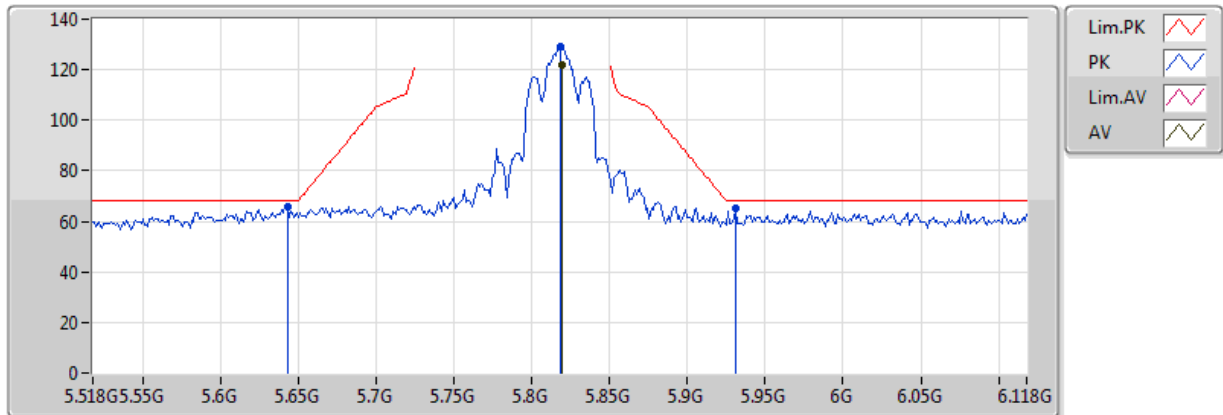


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.54286G	46.24	54.00	-7.76	15.88	3	Horizontal	0	1.50	-	30.36	39.49	11.88	35.49
PK	11.56752G	55.70	74.00	-18.30	15.84	3	Horizontal	0	1.50	-	39.85	39.45	11.89	35.49

BPSK_Nss1,(MCS0)_2TX

5818MHz_TX

11/12/2017

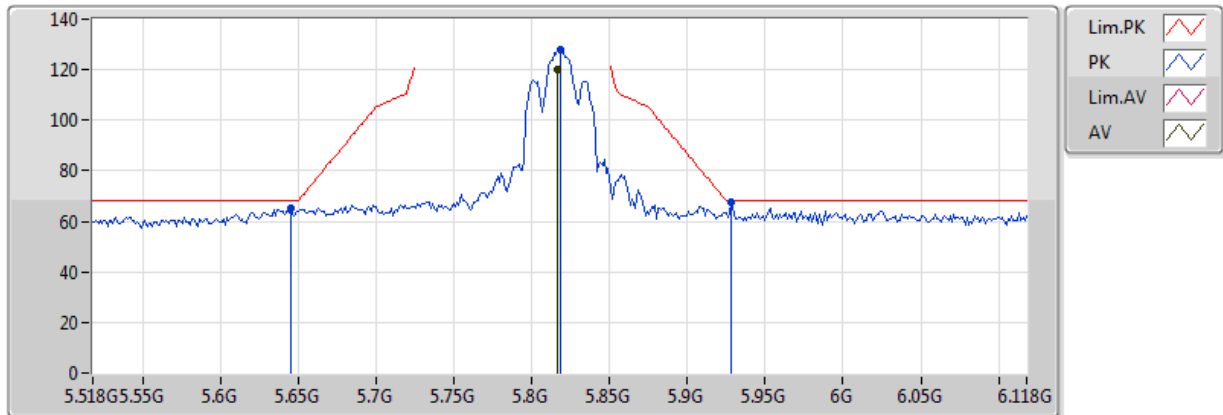


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8192G	121.71	Inf	-Inf	6.07	3	Vertical	351	1.67	-	115.64	32.28	8.98	35.19
PK	5.6428G	65.96	68.20	-2.24	5.62	3	Vertical	351	1.67	-	60.33	32.07	8.73	35.18
PK	5.818G	129.23	Inf	-Inf	6.07	3	Vertical	351	1.67	-	123.16	32.28	8.98	35.19
PK	5.9308G	65.20	68.20	-3.00	6.36	3	Vertical	351	1.67	-	58.85	32.42	9.13	35.19

BPSK_Nss1,(MCS0)_2TX

5818MHz_TX

11/12/2017

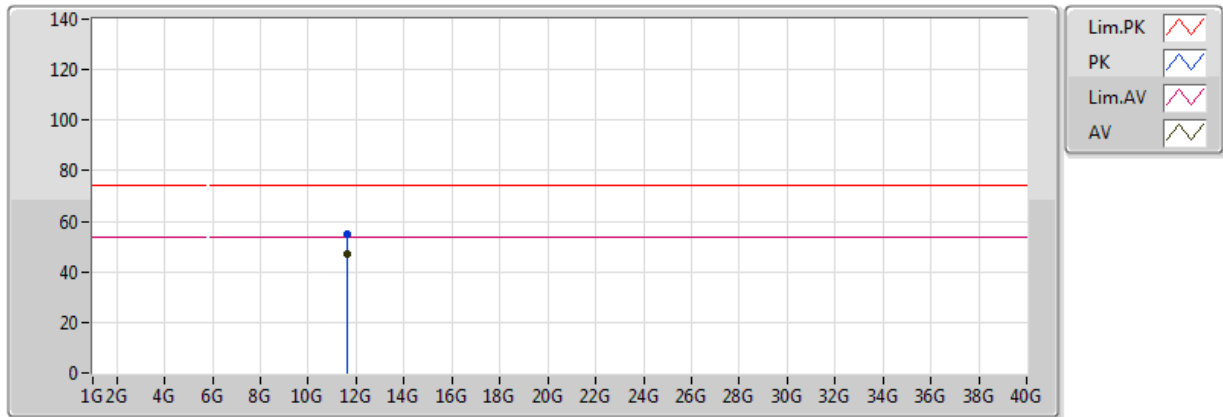


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8168G	120.21	Inf	-Inf	6.06	3	Horizontal	352	1.77	-	114.14	32.28	8.97	35.19
PK	5.6452G	65.04	68.20	-3.16	5.63	3	Horizontal	352	1.77	-	59.41	32.07	8.73	35.18
PK	5.818G	127.96	Inf	-Inf	6.07	3	Horizontal	352	1.77	-	121.89	32.28	8.98	35.19
PK	5.9284G	67.61	68.20	-0.59	6.35	3	Horizontal	352	1.77	-	61.26	32.41	9.13	35.19

BPSK_Nss1,(MCS0)_2TX

5818MHz_TX

11/12/2017

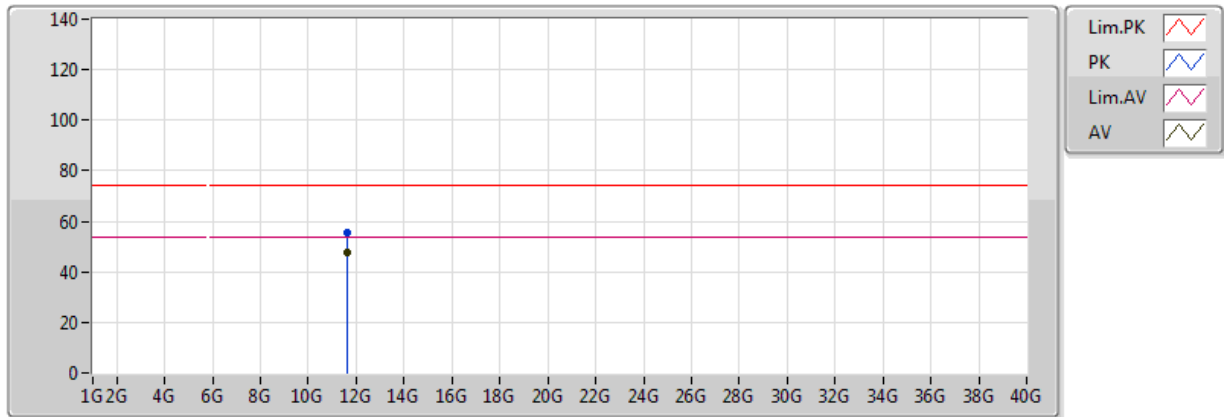


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.636G	47.21	54.00	-6.79	15.76	3	Vertical	360	1.50	-	31.46	39.35	11.92	35.51
PK	11.64782G	54.80	74.00	-19.20	15.74	3	Vertical	360	1.50	-	39.06	39.33	11.92	35.51

BPSK_Nss1,(MCS0)_2TX

5818MHz_TX

11/12/2017



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.636G	47.86	54.00	-6.14	15.76	3	Horizontal	0	1.50	-	32.10	39.35	11.92	35.51
PK	11.62298G	55.25	74.00	-18.75	15.77	3	Horizontal	0	1.50	-	39.47	39.37	11.91	35.50



Frequency Stability Result

Appendix F

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5.725-5.85GHz	-	-	-	-	-	-	-
BPSK_Nss1,(MCS0)_2TX	Pass	5.787G	5.78699G	1.782	20	1	10 min

Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5787MHz_-20°C	Pass	5.787G	5.787005G	0.81	20	1	0 min
5787MHz_-20°C	Pass	5.787G	5.787003G	0.486	20	1	2 min
5787MHz_-20°C	Pass	5.787G	5.787003G	0.486	20	1	5 min
5787MHz_-20°C	Pass	5.787G	5.787003G	0.486	20	1	10 min
5787MHz_-10°C	Pass	5.787G	5.787004G	0.648	20	1	0 min
5787MHz_-10°C	Pass	5.787G	5.787006G	0.972	20	1	2 min
5787MHz_-10°C	Pass	5.787G	5.787003G	0.486	20	1	5 min
5787MHz_-10°C	Pass	5.787G	5.787006G	0.972	20	1	10 min
5787MHz_0°C	Pass	5.787G	5.787002G	0.324	20	1	0 min
5787MHz_0°C	Pass	5.787G	5.787002G	0.324	20	1	2 min
5787MHz_0°C	Pass	5.787G	5.786999G	0.162	20	1	5 min
5787MHz_0°C	Pass	5.787G	5.786997G	0.486	20	1	10 min
5787MHz_10°C	Pass	5.787G	5.787G	0	20	1	0 min
5787MHz_10°C	Pass	5.787G	5.786998G	0.324	20	1	2 min
5787MHz_10°C	Pass	5.787G	5.787002G	0.324	20	1	5 min
5787MHz_10°C	Pass	5.787G	5.787002G	0.324	20	1	10 min
5787MHz_20°C	Pass	5.787G	5.786998G	0.324	20	1	0 min
5787MHz_20°C	Pass	5.787G	5.786994G	0.972	20	1	2 min
5787MHz_20°C	Pass	5.787G	5.787G	0	20	1	5 min
5787MHz_20°C	Pass	5.787G	5.786997G	0.486	20	1	10 min
5787MHz_30°C	Pass	5.787G	5.786993G	1.134	20	1	0 min
5787MHz_30°C	Pass	5.787G	5.786995G	0.81	20	1	2 min
5787MHz_30°C	Pass	5.787G	5.786995G	0.81	20	1	5 min
5787MHz_30°C	Pass	5.787G	5.78699G	1.782	20	1	10 min
5787MHz_40°C	Pass	5.787G	5.786993G	1.134	20	1	0 min
5787MHz_40°C	Pass	5.787G	5.786993G	1.134	20	1	2 min
5787MHz_40°C	Pass	5.787G	5.786996G	0.648	20	1	5 min
5787MHz_40°C	Pass	5.787G	5.786996G	0.648	20	1	10 min
5787MHz_50°C	Pass	5.787G	5.786995G	0.81	20	1	0 min
5787MHz_50°C	Pass	5.787G	5.786995G	0.81	20	1	2 min
5787MHz_50°C	Pass	5.787G	5.786993G	1.296	20	1	5 min
5787MHz_50°C	Pass	5.787G	5.786993G	1.134	20	1	10 min
5787MHz_126.5V	Pass	5.787G	5.786999G	0.162	20	1	0 min
5787MHz_126.5V	Pass	5.787G	5.786998G	0.324	20	1	2 min
5787MHz_126.5V	Pass	5.787G	5.787001G	0.162	20	1	5 min
5787MHz_126.5V	Pass	5.787G	5.786998G	0.324	20	1	10 min
5787MHz_110V	Pass	5.787G	5.786998G	0.324	20	1	0 min
5787MHz_110V	Pass	5.787G	5.786998G	0.324	20	1	2 min
5787MHz_110V	Pass	5.787G	5.786999G	0.162	20	1	5 min
5787MHz_110V	Pass	5.787G	5.786996G	0.648	20	1	10 min
5787MHz_93.5V	Pass	5.787G	5.786998G	0.324	20	1	0 min
5787MHz_93.5V	Pass	5.787G	5.786995G	0.81	20	1	2 min
5787MHz_93.5V	Pass	5.787G	5.786996G	0.648	20	1	5 min



Frequency Stability Result

Appendix F

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5787MHz_93.5V	Pass	5.787G	5.786996G	0.648	20	1	10 min

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
BPSK_Nss1,(MCS0)_2TX	Pass	PK	33.88M	36.84	40.00	-3.16	-6.01	3	Horizontal	0	1.00	-

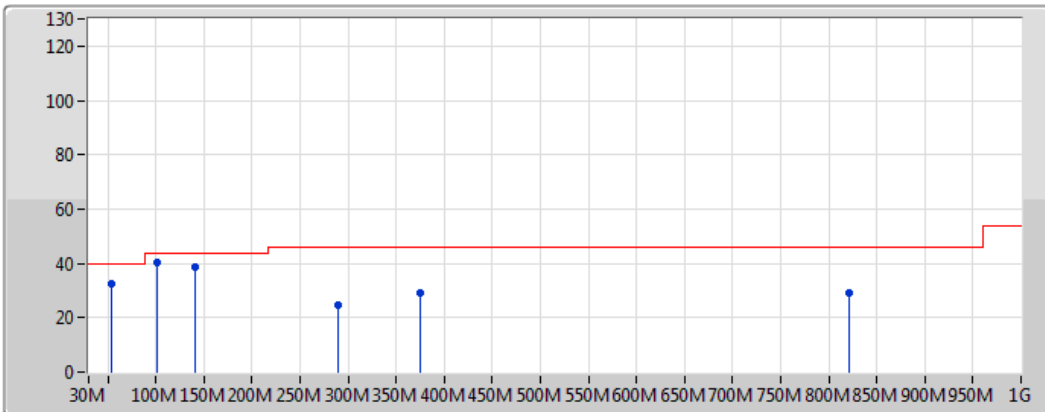
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5837MHz	Pass	PK	33.88M	36.84	40.00	-3.16	-6.01	3	Horizontal	0	1.00	-
5837MHz	Pass	PK	51.34M	30.53	40.00	-9.47	-13.89	3	Horizontal	0	1.00	-
5837MHz	Pass	PK	101.78M	32.97	43.50	-10.53	-10.11	3	Horizontal	0	1.00	-
5837MHz	Pass	PK	338.46M	24.69	46.00	-21.31	-5.90	3	Horizontal	0	1.00	-
5837MHz	Pass	PK	375.32M	29.46	46.00	-16.54	-5.07	3	Horizontal	0	1.00	-
5837MHz	Pass	PK	740.04M	30.53	46.00	-15.47	0.94	3	Horizontal	0	1.00	-
5837MHz	Pass	PK	53.28M	32.50	40.00	-7.50	-14.22	3	Vertical	360	1.00	-
5837MHz	Pass	PK	101.78M	40.21	43.50	-3.29	-10.11	3	Vertical	360	1.00	-
5837MHz	Pass	PK	140.58M	38.62	43.50	-4.88	-9.66	3	Vertical	360	1.00	-
5837MHz	Pass	PK	289.96M	24.53	46.00	-21.47	-6.59	3	Vertical	360	1.00	-
5837MHz	Pass	PK	375.32M	28.86	46.00	-17.14	-5.07	3	Vertical	360	1.00	-
5837MHz	Pass	PK	821.52M	29.05	46.00	-16.95	1.71	3	Vertical	360	1.00	-

BPSK_Nss1,(MCS0)_2RX

5837MHz_PoE

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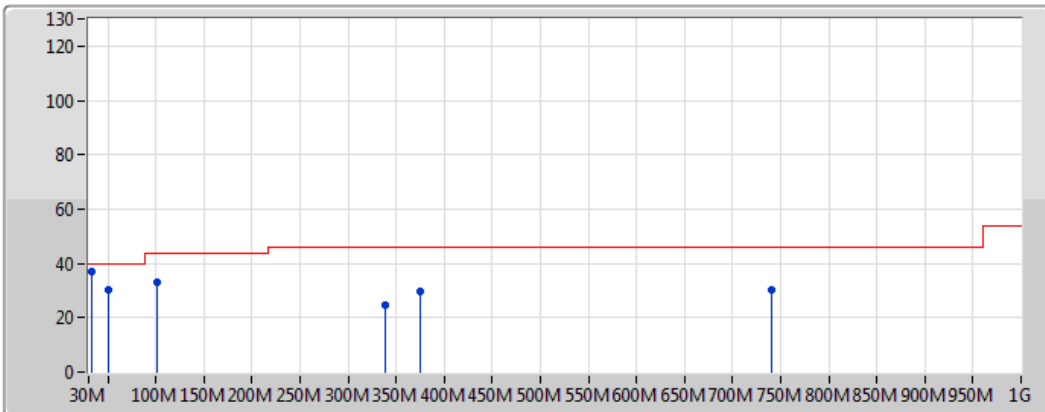
Lim.PK
PK

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	53.28M	32.50	40.00	-7.50	-14.22	3	Vertical	360	1.00	-	46.72	12.33	1.03	27.57
PK	101.78M	40.21	43.50	-3.29	-10.11	3	Vertical	360	1.00	-	50.32	16.26	1.44	27.80
PK	140.58M	38.62	43.50	-4.88	-9.66	3	Vertical	360	1.00	-	48.28	16.21	1.79	27.66
PK	289.96M	24.53	46.00	-21.47	-6.59	3	Vertical	360	1.00	-	31.12	18.17	2.46	27.22
PK	375.32M	28.86	46.00	-17.14	-5.07	3	Vertical	360	1.00	-	33.93	19.90	2.80	27.77
PK	821.52M	29.05	46.00	-16.95	1.71	3	Vertical	360	1.00	-	27.34	25.17	4.52	27.98

BPSK_Nss1,(MCS0)_2RX

5837MHz_PoE

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Lim.PK
PK

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	33.88M	36.84	40.00	-3.16	-6.01	3	Horizontal	0	1.00	-	42.85	21.05	0.74	27.80
PK	51.34M	30.53	40.00	-9.47	-13.89	3	Horizontal	0	1.00	-	44.42	12.71	0.97	27.56
PK	101.78M	32.97	43.50	-10.53	-10.11	3	Horizontal	0	1.00	-	43.08	16.26	1.44	27.80
PK	338.46M	24.69	46.00	-21.31	-5.90	3	Horizontal	0	1.00	-	30.59	19.00	2.59	27.49
PK	375.32M	29.46	46.00	-16.54	-5.07	3	Horizontal	0	1.00	-	34.53	19.90	2.80	27.77
PK	740.04M	30.53	46.00	-15.47	0.94	3	Horizontal	0	1.00	-	29.59	25.04	4.16	28.26



RSE RX above 1GHz Result

Appendix G.2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
BPSK_Nss1,(MCS0)_2TX	Pass	AV	1.99214G	36.18	54.00	-17.82	-4.85	3	Vertical	226	1.12	-

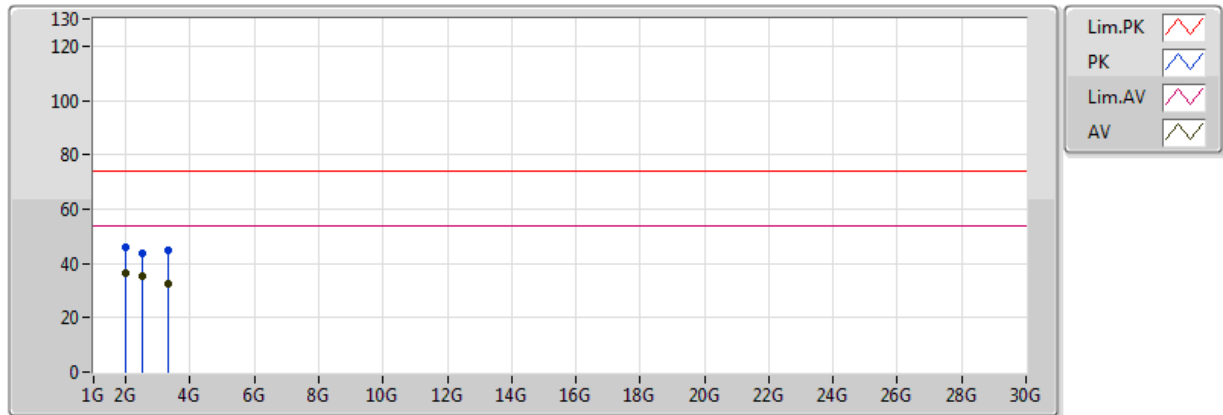
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BPSK_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5837MHz	Pass	AV	1.9921G	32.73	54.00	-21.27	-4.85	3	Horizontal	245	1.04	-
5837MHz	Pass	AV	2.4999G	31.47	54.00	-22.53	-3.30	3	Horizontal	223	1.05	-
5837MHz	Pass	AV	4.64G	32.70	54.00	-21.30	1.51	3	Horizontal	116	1.00	-
5837MHz	Pass	PK	1.9921G	42.39	74.00	-31.61	-4.85	3	Horizontal	245	1.04	-
5837MHz	Pass	PK	2.4999G	42.48	74.00	-31.52	-3.30	3	Horizontal	223	1.05	-
5837MHz	Pass	PK	4.64G	45.18	74.00	-28.82	1.51	3	Horizontal	116	1.00	-
5837MHz	Pass	AV	1.99214G	36.18	54.00	-17.82	-4.85	3	Vertical	226	1.12	-
5837MHz	Pass	AV	2.49998G	35.35	54.00	-18.65	-3.30	3	Vertical	200	1.10	-
5837MHz	Pass	AV	3.32032G	32.43	54.00	-21.57	-1.65	3	Vertical	195	1.02	-
5837MHz	Pass	PK	1.99214G	46.19	74.00	-27.81	-4.85	3	Vertical	226	1.12	-
5837MHz	Pass	PK	2.49998G	43.89	74.00	-30.11	-3.30	3	Vertical	200	1.10	-
5837MHz	Pass	PK	3.32032G	44.72	74.00	-29.28	-1.65	3	Vertical	195	1.02	-

BPSK_Nss1,(MCS0)_2RX

5837MHz_RX

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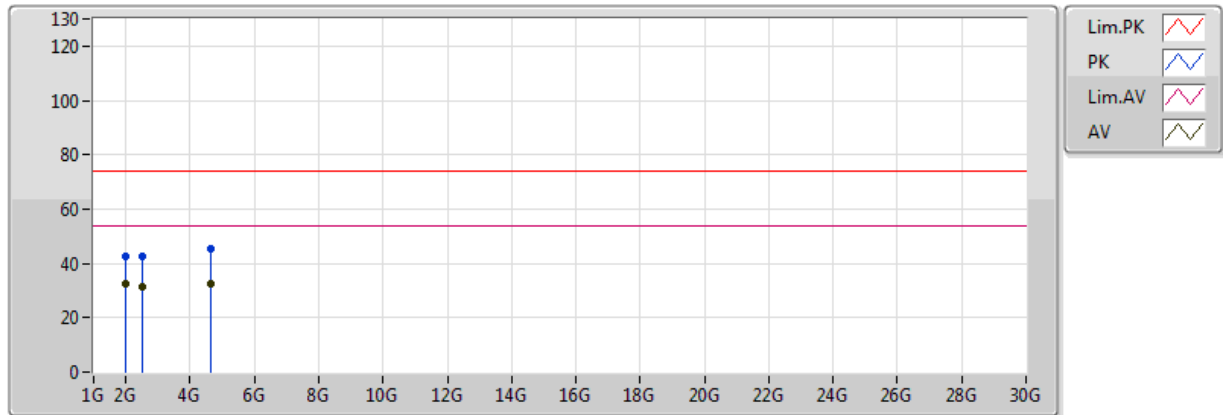


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.99214G	36.18	54.00	-17.82	-4.85	3	Vertical	226	1.12	-	41.03	26.29	3.24	34.38
AV	2.49998G	35.35	54.00	-18.65	-3.30	3	Vertical	200	1.10	-	38.65	27.60	3.73	34.63
AV	3.32032G	32.43	54.00	-21.57	-1.65	3	Vertical	195	1.02	-	34.08	28.70	4.36	34.71
PK	1.99214G	46.19	74.00	-27.81	-4.85	3	Vertical	226	1.12	-	51.04	26.29	3.24	34.38
PK	2.49998G	43.89	74.00	-30.11	-3.30	3	Vertical	200	1.10	-	47.19	27.60	3.73	34.63
PK	3.32032G	44.72	74.00	-29.28	-1.65	3	Vertical	195	1.02	-	46.37	28.70	4.36	34.71

BPSK_Nss1,(MCS0)_2RX

5837MHz_RX

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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.9921G	32.73	54.00	-21.27	-4.85	3	Horizontal	245	1.04	-	37.58	26.29	3.24	34.38
AV	2.4999G	31.47	54.00	-22.53	-3.30	3	Horizontal	223	1.05	-	34.77	27.60	3.73	34.63
AV	4.64G	32.70	54.00	-21.30	1.51	3	Horizontal	116	1.00	-	31.19	30.95	5.19	34.63
PK	1.9921G	42.39	74.00	-31.61	-4.85	3	Horizontal	245	1.04	-	47.24	26.29	3.24	34.38
PK	2.4999G	42.48	74.00	-31.52	-3.30	3	Horizontal	223	1.05	-	45.78	27.60	3.73	34.63
PK	4.64G	45.18	74.00	-28.82	1.51	3	Horizontal	116	1.00	-	43.67	30.95	5.19	34.63