

FCC Radio Test Report

FCC ID : TLZ-HM482
Equipment : IEEE 802.11ah Wireless LAN Module
Brand Name : AzureWave
Model Name : AW-HM482
Applicant : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian
Dist., New Taipei City , Taiwan 231
Manufacturer : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian
Dist., New Taipei City , Taiwan 231
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 22, 2021, and testing was started from Jun. 10, 2021 and completed on Aug. 04, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



Table of Contents

1.1	Information.....	5
1.2	Testing Applied Standards	7
1.3	Testing Location Information	7
1.4	Measurement Uncertainty	7
2	TEST CONFIGURATION OF EUT.....	8
2.1	Test Channel Mode	8
2.2	The Worst Case Measurement Configuration.....	9
2.3	Accessories	10
2.4	Support Equipment.....	10
2.5	Test Setup Diagram	11
3	TRANSMITTER TEST RESULT	13
3.1	AC Power-line Conducted Emissions	13
3.2	DTS Bandwidth.....	15
3.3	Maximum Conducted Output Power	16
3.4	Power Spectral Density	18
3.5	Emissions in Non-restricted Frequency Bands	19
3.6	Emissions in Restricted Frequency Bands.....	20
4	TEST EQUIPMENT AND CALIBRATION DATA	24
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS		
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH		
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY		
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS		
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS		
APPENDIX G. TEST PHOTOS		
PHOTOGRAPHS OF EUT V01		



History of this test report

Report No.	Version	Description	Issued Date
FR131109	01	Initial issue of report	Sep. 24, 2021



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

None

Reviewed by: Sam Tsai

Report Producer: Debby Hung



General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Modulation	Ch. Frequency (MHz)	Channel Number
902-928	OFDM	903.5-926.5	9

Band	Mode	BWch (MHz)	Nant
902-928MHz	SRD-1M	1	1TX
902-928MHz	SRD-2M	2	1TX
902-928MHz	SRD-4M	4	1TX

Note:

- ♦ 902-928 MHz Band uses a combination of OFDM modulation.
- ♦ BWch is the nominal channel bandwidth.

Channel List			
Bandwidth	Low Channel	Middle Channel	High Channel
1M	903.5	914.5	926.5
2M	905	915	925
4M	906	914	922

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Cortec	AN0915-5001BSM	Diople antenna	RP-SMA(M)	2.0

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From Host system
EUT Function	<input type="checkbox"/> Point-to-multipoint <input checked="" type="checkbox"/> Point-to-point
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name: / Model No.:
<input type="checkbox"/>	Other:



1.1.4 Table for Multiple Listing

The SKU in the following table are all refer to the identical product.

SKU	Item	Y1	Y2	U5	PCB
A	Brand	TXC	SIWARD	Winbond	APCB
	Model	8Z32000014	XTL721-S999-311	W25Q16JWXHIQ	2482 Ver:02
B	Brand	SIWARD	TXC	GigaDevice	Weiershun
	Model	XTL581100-A269-010	9H03270011	GD25LQ16EEIGR	2482 Ver:02

SKU A configuration was pretested and found to be the worst case and measured during the test.

1.1.5 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
SRD	0.677	1.69	1.961m	1k

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



1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013

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

- ◆ KDB 558074 D01 v05r02

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/> Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456	FAX: 886-3-327-0973		
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Bruise	22.9~23.2°C / 66~68%	12/Jun/2021
RF Conducted	TH01-HY	Barry	24.1~24.6°C / 45~53%	11/Jun/2021~04/Aug/2021
<input checked="" type="checkbox"/> Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787	FAX: 886-3-318-0287		
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Daniel	22.9~23.2°C / 66~68%	10/Jun/2021~04/Aug/2021

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode


Test Software Version	DUT2DUT_v1_8_4 -20210406
-----------------------	--------------------------

Mode	Power Setting
SRD-1M_Nss1_1TX	-
903.5MHz	23
914.5MHz	23
926.5MHz	22
SRD-2M_Nss1_1TX	-
905MHz	25
915MHz	25
925MHz	26
SRD-4M_Nss1_1TX	-
906MHz	30
914MHz	30
922MHz	30

2.2 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 Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	USB mode

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

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



2.3 Accessories

Accessories				
Antenna	Brand Name	Cortec	Model Name	AN0915-5001BSM

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

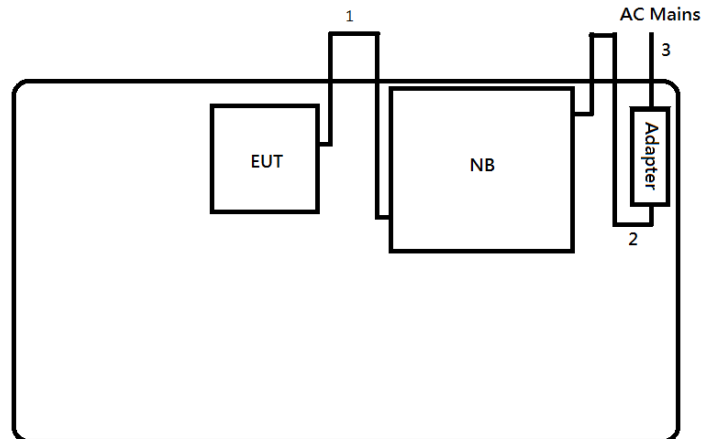
2.4 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	USB Type B cable	Sporton	Sporton	-	-
2	Notebook	HP	HSTNN-Q85C	-	-
3	AC Adapter for NB	HP	PPP012L-E	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	USB Type B Cable	Sporton	Sporton	-	-
4	fixture	Azurewave	2482 Ver.I2 EVB test board	-	Provided by Customer

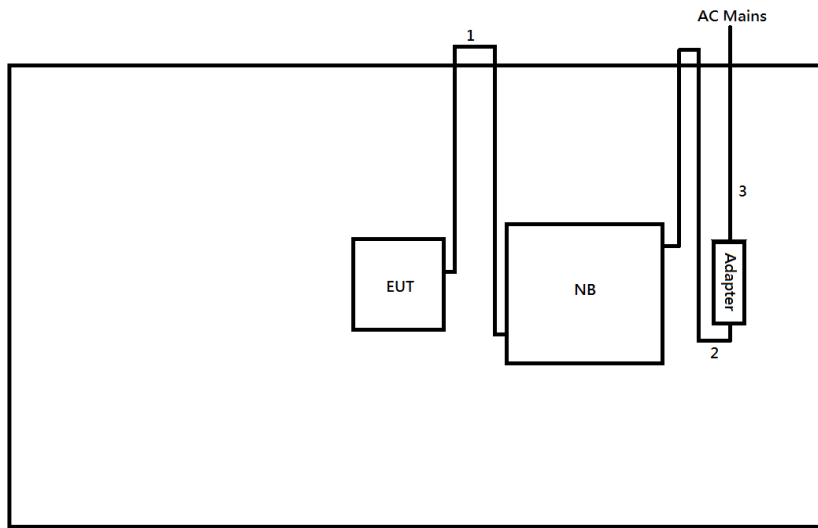
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	USB Type B cable	Yes	1.82	-
2	DC Power cable	No	1.5	-
3	AC Power cable	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	USB Type B cable	Yes	1.82	-
2	DC Power cable	No	1.8	-
3	AC Power cable	No	1.8	-



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

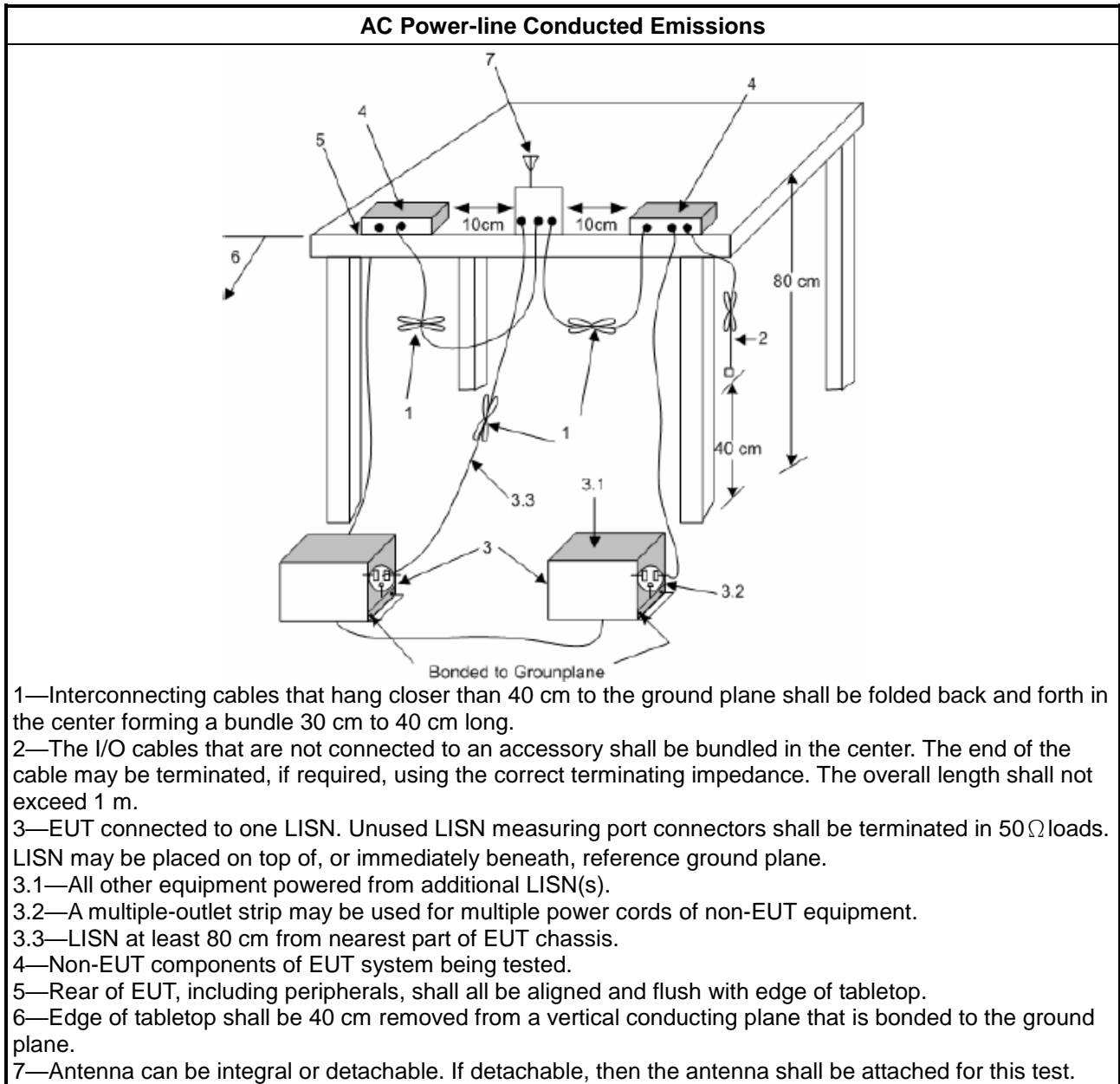
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

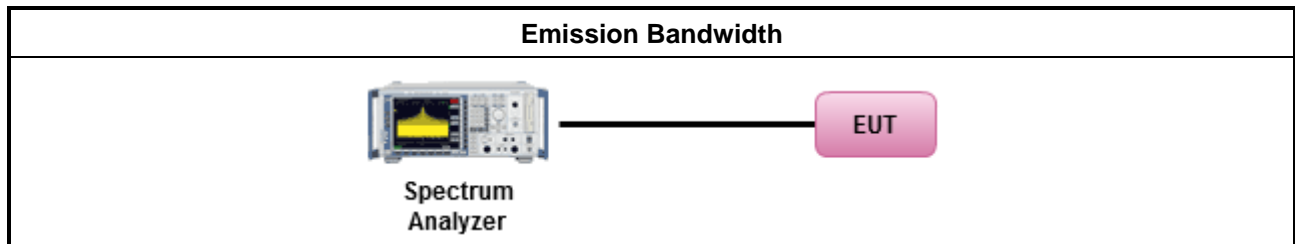
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

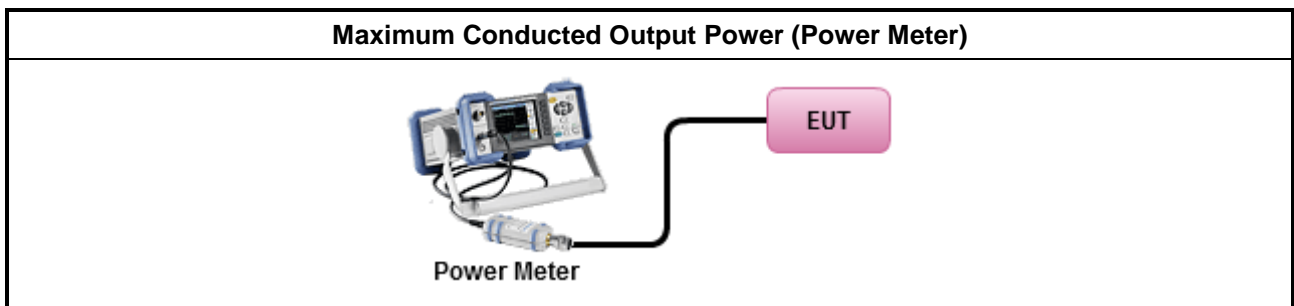
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

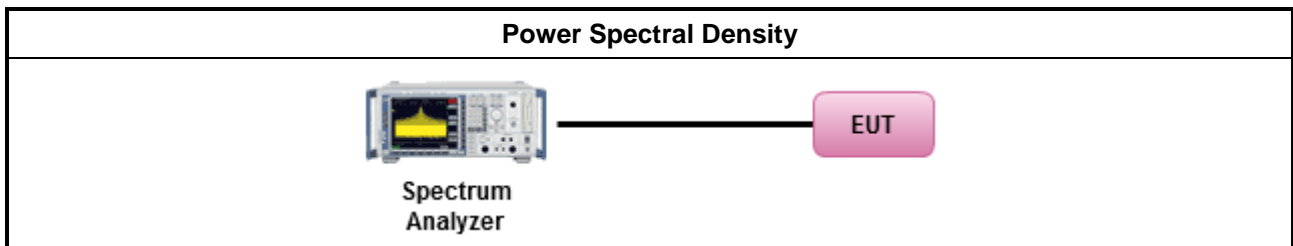
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

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

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

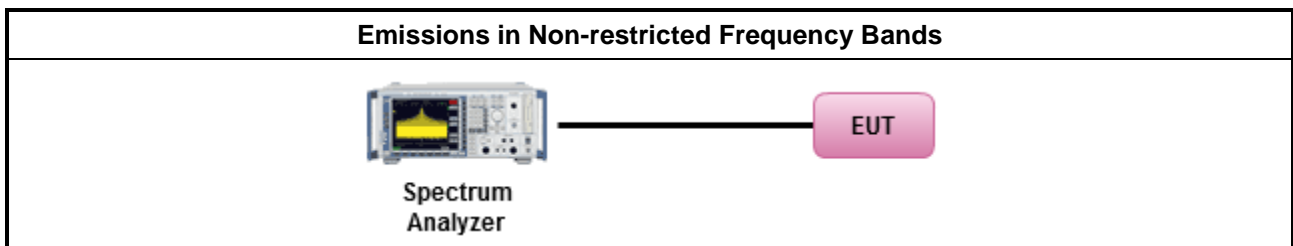
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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



3.6.3 Test Procedures

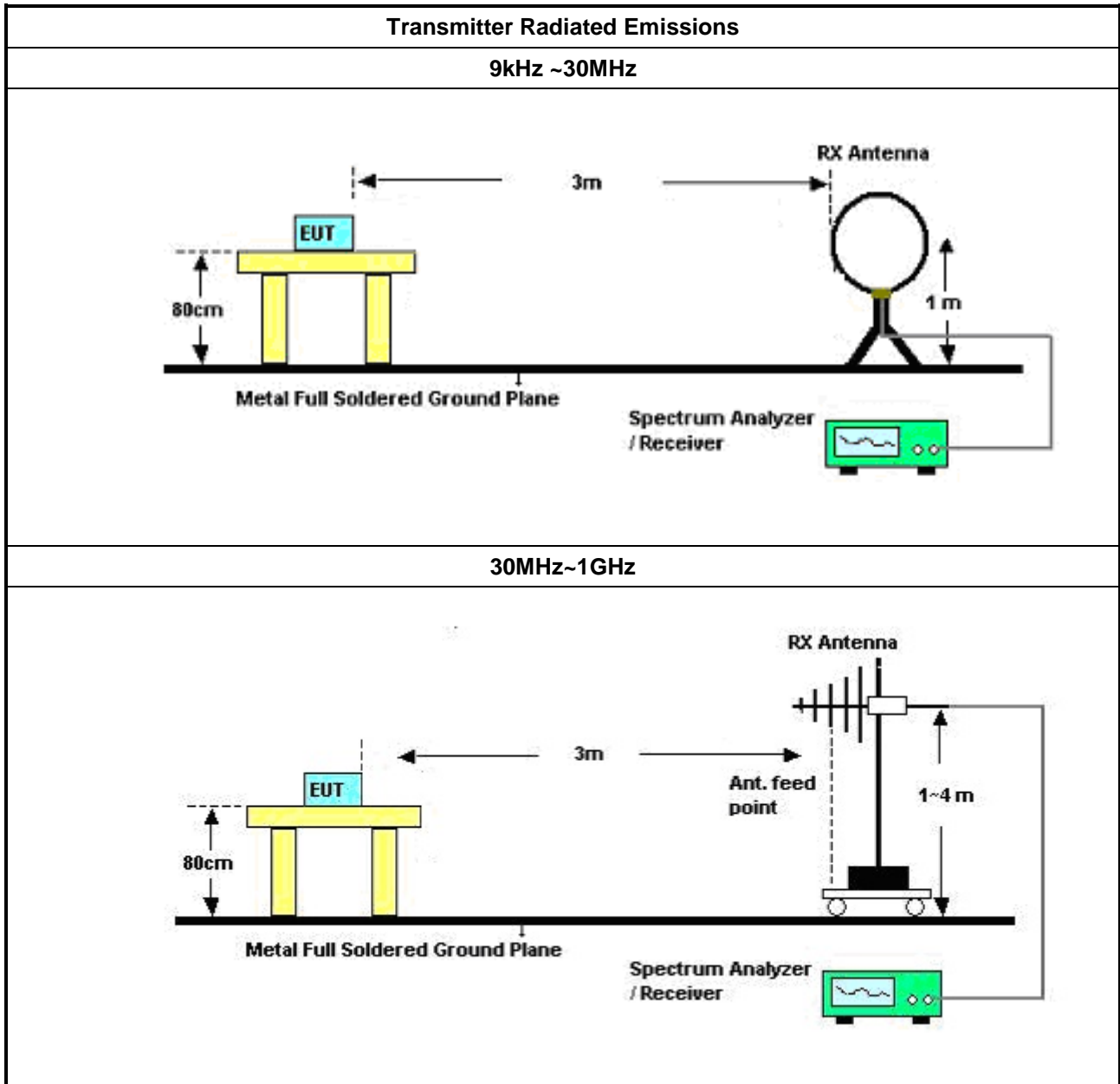
Test Method	
	<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below:
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
	<ul style="list-style-type: none"> For the transmitter band-edge emissions shall be measured using following options below:
	<ul style="list-style-type: none"> Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).

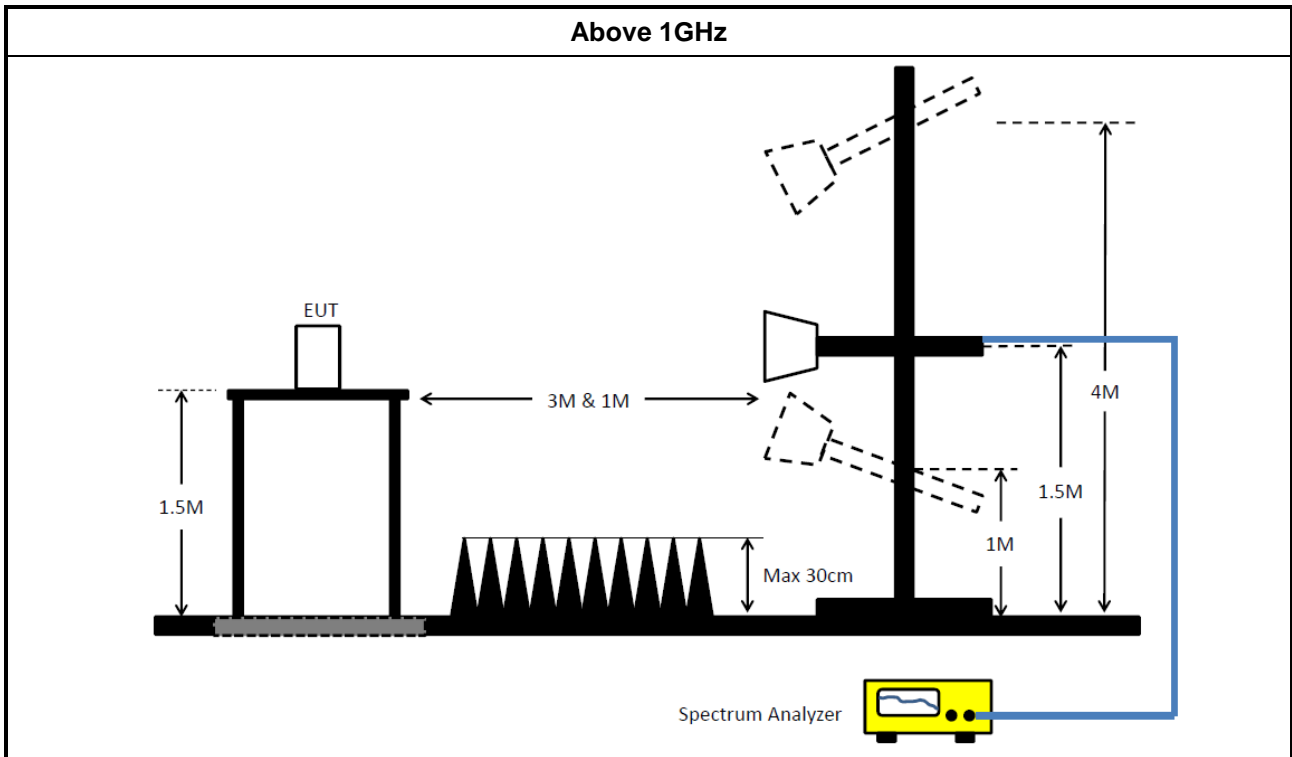
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





3.6.6 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.7 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer / Brand Name	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102052	9kHz ~ 3.6GHz	19/Apr/2021	18/Apr/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBEC K	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Radiated Test

Instrument	Manufacturer / Brand Name	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	26/Mar/2021	25/Mar/2022
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	18/Mar/2021	17/Mar/2022
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2020	10/Aug/2021
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	12/Apr/2021	11/Apr/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	24/Jul/2020	23/Jul/2021
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	23/Jul/2021	22/Jul/2022
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MTJ 6102-05	35418 & 3	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC K	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	18/May/2021	17/May/2022
RF Cable-low	Jye Bao	RG142	CB031+324530/ 4	9kHz~30MHz	03/Sep/2020	02/Sep/2021
RF Cable-low	Jye Bao	RG142	CB031+324530/ 4	30MHz~1GHz	09/Feb/2021	08/Feb/2022
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	SN MY25918/4+ SN MY39478/4 + SN 324530/4	1GHz~40GHz	15/Aug/2020	14/Aug/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022



Instrument for Conducted Test

Instrument	Manufacturer / Brand Name	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	23/Feb/2021	22/Feb/2022



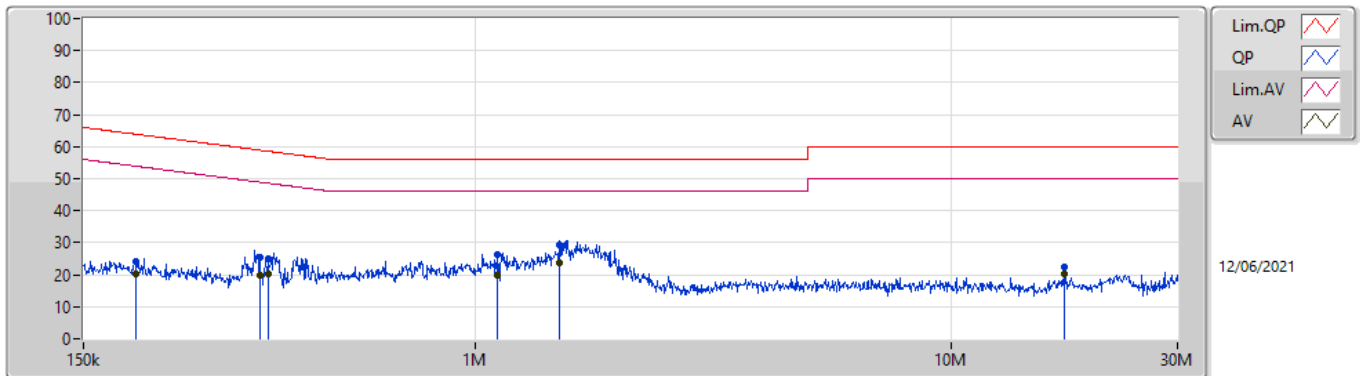
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	1.502M	23.68	46.00	-22.32	Line

Mode Configure

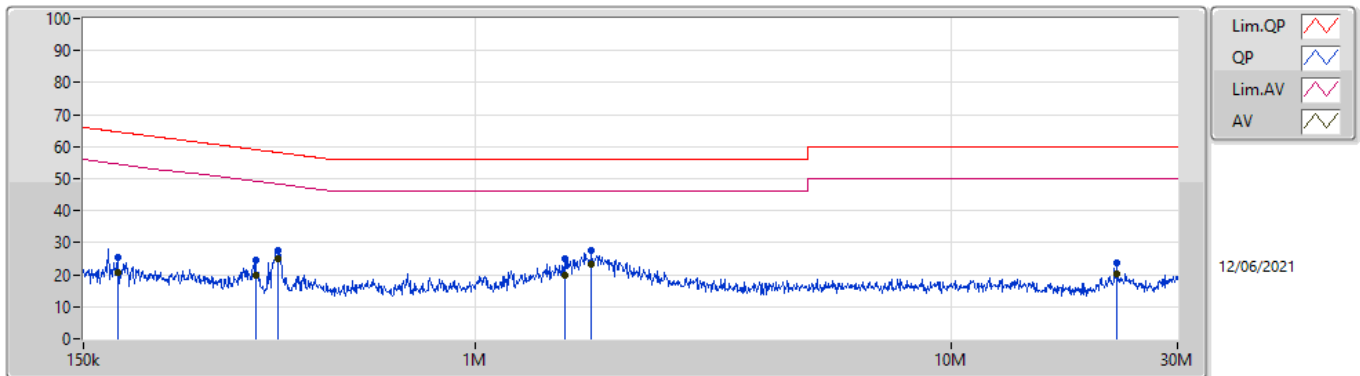
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	193.168k	24.15	63.90	-39.75	Line	-
Mode 1	Pass	AV	193.168k	20.13	53.90	-33.77	Line	-
Mode 1	Pass	QP	352.636k	25.24	58.91	-33.67	Line	-
Mode 1	Pass	AV	352.636k	19.93	48.91	-28.98	Line	-
Mode 1	Pass	QP	366.44k	24.91	58.58	-33.67	Line	-
Mode 1	Pass	AV	366.44k	20.24	48.58	-28.34	Line	-
Mode 1	Pass	QP	1.111M	26.19	56.00	-29.81	Line	-
Mode 1	Pass	AV	1.111M	19.64	46.00	-26.36	Line	-
Mode 1	Pass	QP	1.502M	29.29	56.00	-26.71	Line	-
Mode 1	Pass	AV	1.502M	23.68	46.00	-22.32	Line	-
Mode 1	Pass	QP	17.29M	22.20	60.00	-37.80	Line	-
Mode 1	Pass	AV	17.29M	20.28	50.00	-29.72	Line	-
Mode 1	Pass	QP	177.1k	25.44	64.62	-39.18	Neutral	-
Mode 1	Pass	AV	177.1k	20.62	54.62	-34.00	Neutral	-
Mode 1	Pass	QP	346.859k	24.40	59.04	-34.64	Neutral	-
Mode 1	Pass	AV	346.859k	19.88	49.04	-29.16	Neutral	-
Mode 1	Pass	QP	385.243k	27.53	58.16	-30.63	Neutral	-
Mode 1	Pass	AV	385.243k	24.99	48.16	-23.17	Neutral	-
Mode 1	Pass	QP	1.548M	24.86	56.00	-31.14	Neutral	-
Mode 1	Pass	AV	1.548M	19.93	46.00	-26.07	Neutral	-
Mode 1	Pass	QP	1.758M	27.79	56.00	-28.21	Neutral	-
Mode 1	Pass	AV	1.758M	23.33	46.00	-22.67	Neutral	-
Mode 1	Pass	QP	22.356M	23.59	60.00	-36.41	Neutral	-
Mode 1	Pass	AV	22.356M	20.22	50.00	-29.78	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	193.168k	24.15	63.90	-39.75	19.62	Line	-	4.53	9.68	0.04	9.90
AV	193.168k	20.13	53.90	-33.77	19.62	Line	-	0.51	9.68	0.04	9.90
QP	352.636k	25.24	58.91	-33.67	19.63	Line	-	5.61	9.67	0.06	9.90
AV	352.636k	19.93	48.91	-28.98	19.63	Line	-	0.30	9.67	0.06	9.90
QP	366.44k	24.91	58.58	-33.67	19.63	Line	-	5.28	9.67	0.06	9.90
AV	366.44k	20.24	48.58	-28.34	19.63	Line	-	0.61	9.67	0.06	9.90
QP	1.111M	26.19	56.00	-29.81	19.55	Line	-	6.64	9.67	0.08	9.80
AV	1.111M	19.64	46.00	-26.36	19.55	Line	-	0.09	9.67	0.08	9.80
QP	1.502M	29.29	56.00	-26.71	19.57	Line	-	9.72	9.68	0.09	9.80
AV	1.502M	23.68	46.00	-22.32	19.57	Line	-	4.11	9.68	0.09	9.80
QP	17.29M	22.20	60.00	-37.80	19.85	Line	-	2.35	9.68	0.27	9.90
AV	17.29M	20.28	50.00	-29.72	19.85	Line	-	0.43	9.68	0.27	9.90

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	177.1k	25.44	64.62	-39.18	19.62	Neutral	-	5.82	9.68	0.04	9.90
AV	177.1k	20.62	54.62	-34.00	19.62	Neutral	-	1.00	9.68	0.04	9.90
QP	346.859k	24.40	59.04	-34.64	19.63	Neutral	-	4.77	9.67	0.06	9.90
AV	346.859k	19.88	49.04	-29.16	19.63	Neutral	-	0.25	9.67	0.06	9.90
QP	385.243k	27.53	58.16	-30.63	19.63	Neutral	-	7.90	9.67	0.06	9.90
AV	385.243k	24.99	48.16	-23.17	19.63	Neutral	-	5.36	9.67	0.06	9.90
QP	1.548M	24.86	56.00	-31.14	19.57	Neutral	-	5.29	9.68	0.09	9.80
AV	1.548M	19.93	46.00	-26.07	19.57	Neutral	-	0.36	9.68	0.09	9.80
QP	1.758M	27.79	56.00	-28.21	19.58	Neutral	-	8.21	9.68	0.10	9.80
AV	1.758M	23.33	46.00	-22.67	19.58	Neutral	-	3.75	9.68	0.10	9.80
QP	22.356M	23.59	60.00	-36.41	19.95	Neutral	-	3.64	9.74	0.31	9.90
AV	22.356M	20.22	50.00	-29.78	19.95	Neutral	-	0.27	9.74	0.31	9.90



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
SRD-1M_Nss1_1TX	855k	882.059k	882KD1D	840k	858.321k
SRD-2M_Nss1_1TX	1.795M	2.851M	2M85D1D	1.783M	2.426M
SRD-4M_Nss1_1TX	3.635M	6.277M	6M28D1D	3.62M	6.002M

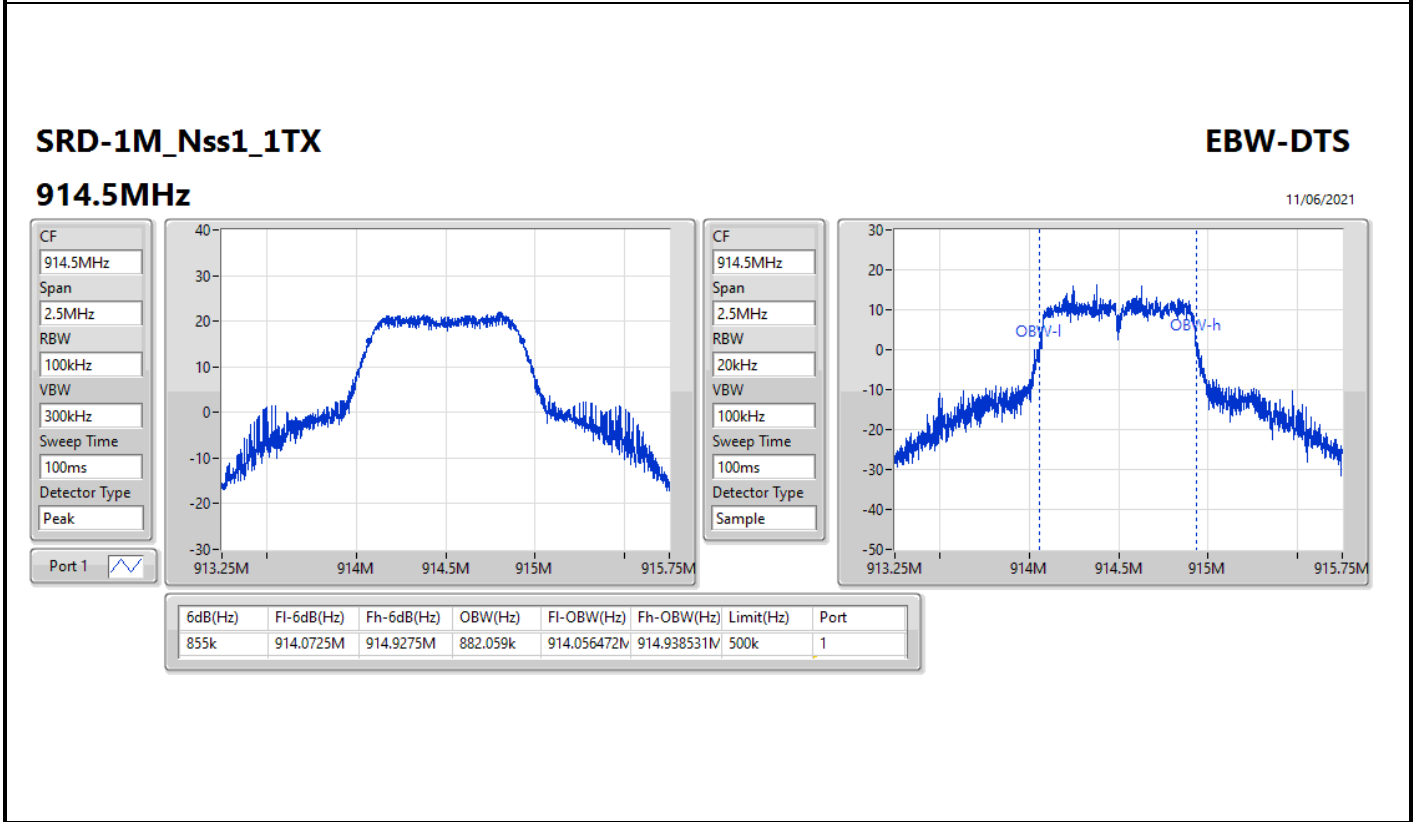
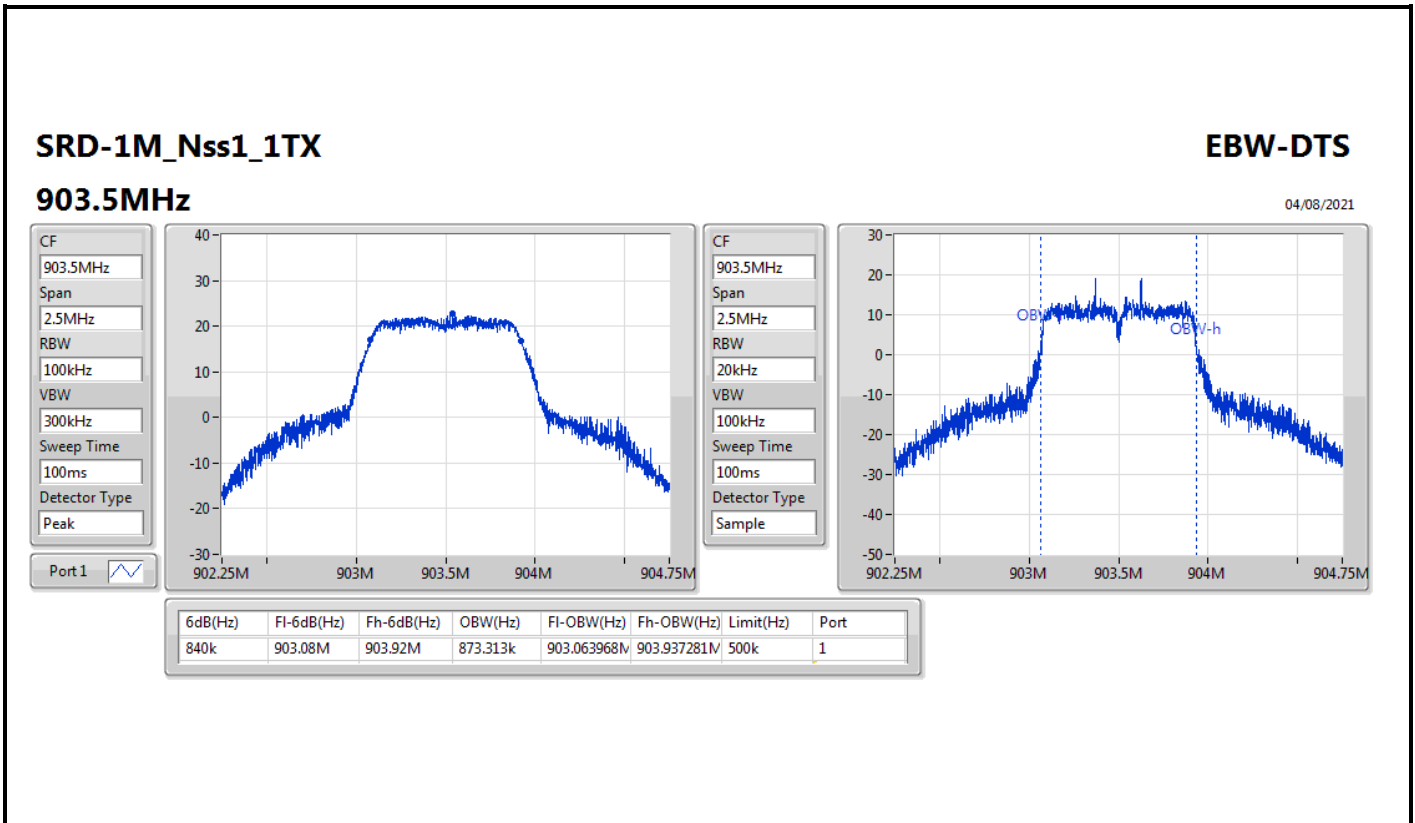
Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
SRD-1M_Nss1_1TX	-	-	-	-
903.5MHz	Pass	500k	840k	873.313k
914.5MHz	Pass	500k	855k	882.059k
926.5MHz	Pass	500k	842.5k	858.321k
SRD-2M_Nss1_1TX	-	-	-	-
905MHz	Pass	500k	1.793M	2.426M
915MHz	Pass	500k	1.783M	2.519M
925MHz	Pass	500k	1.795M	2.851M
SRD-4M_Nss1_1TX	-	-	-	-
906MHz	Pass	500k	3.62M	6.002M
914MHz	Pass	500k	3.625M	6.162M
922MHz	Pass	500k	3.635M	6.277M

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

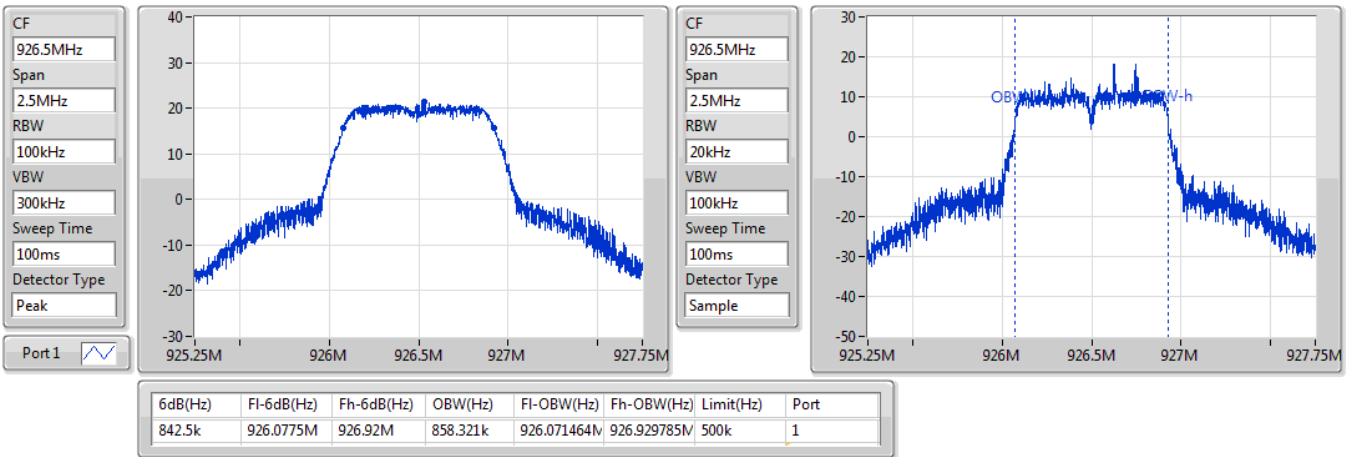


SRD-1M_Nss1_1TX

EBW-DTS

926.5MHz

04/08/2021

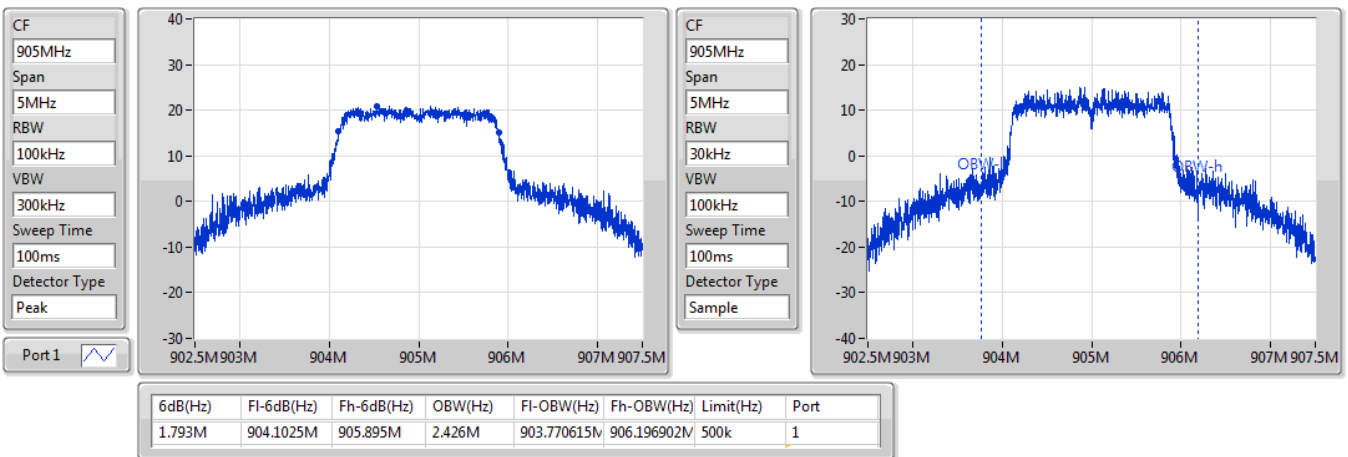


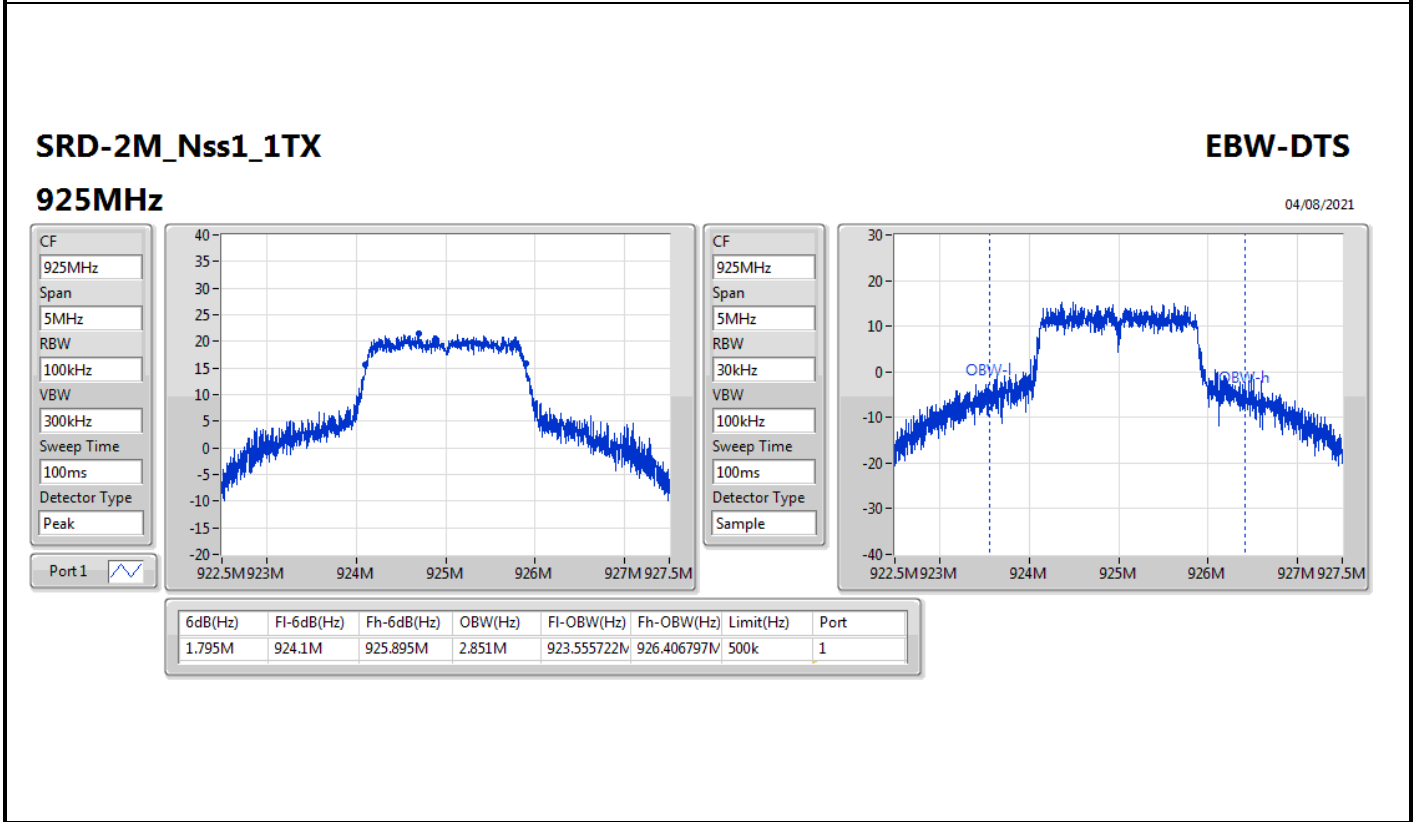
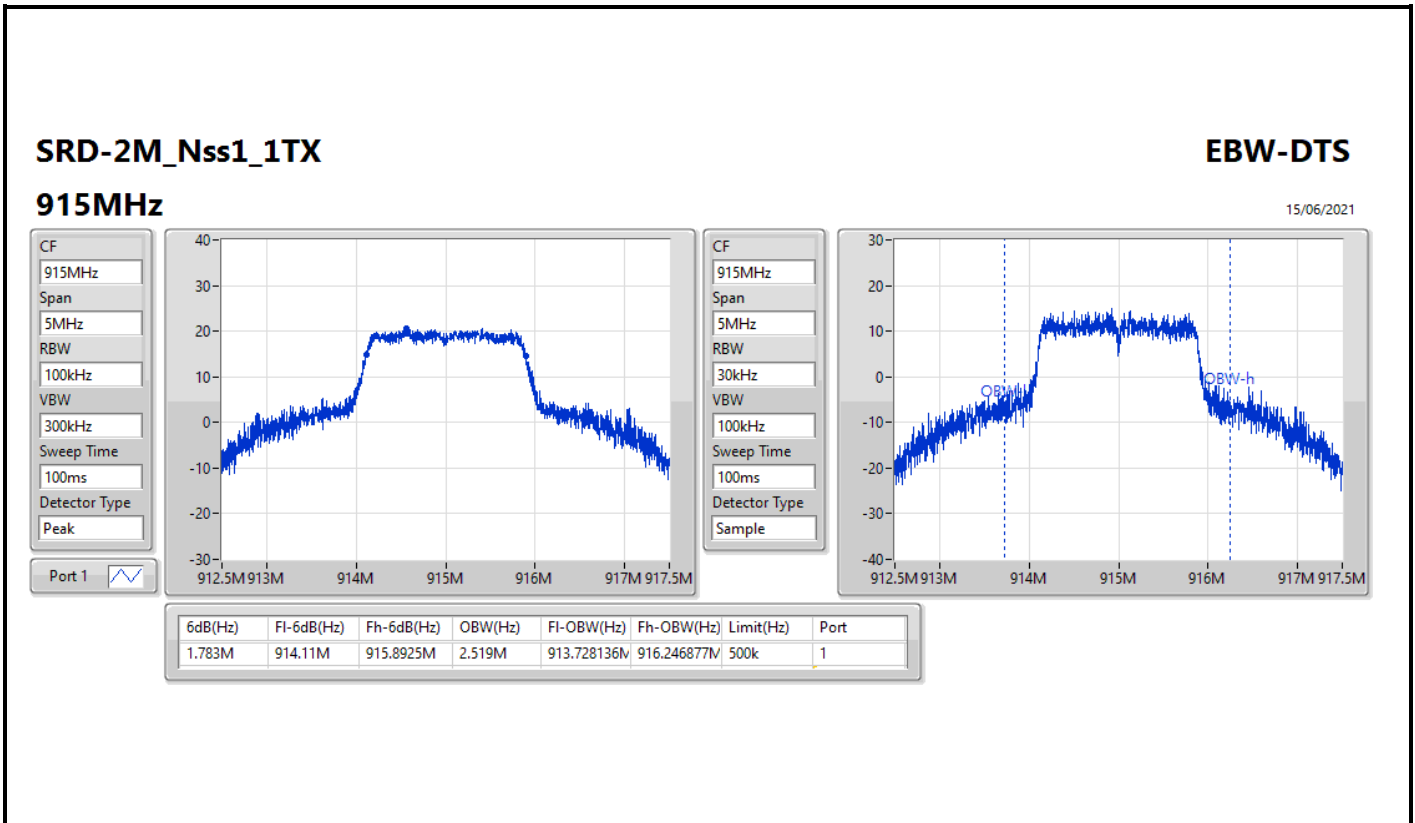
SRD-2M_Nss1_1TX

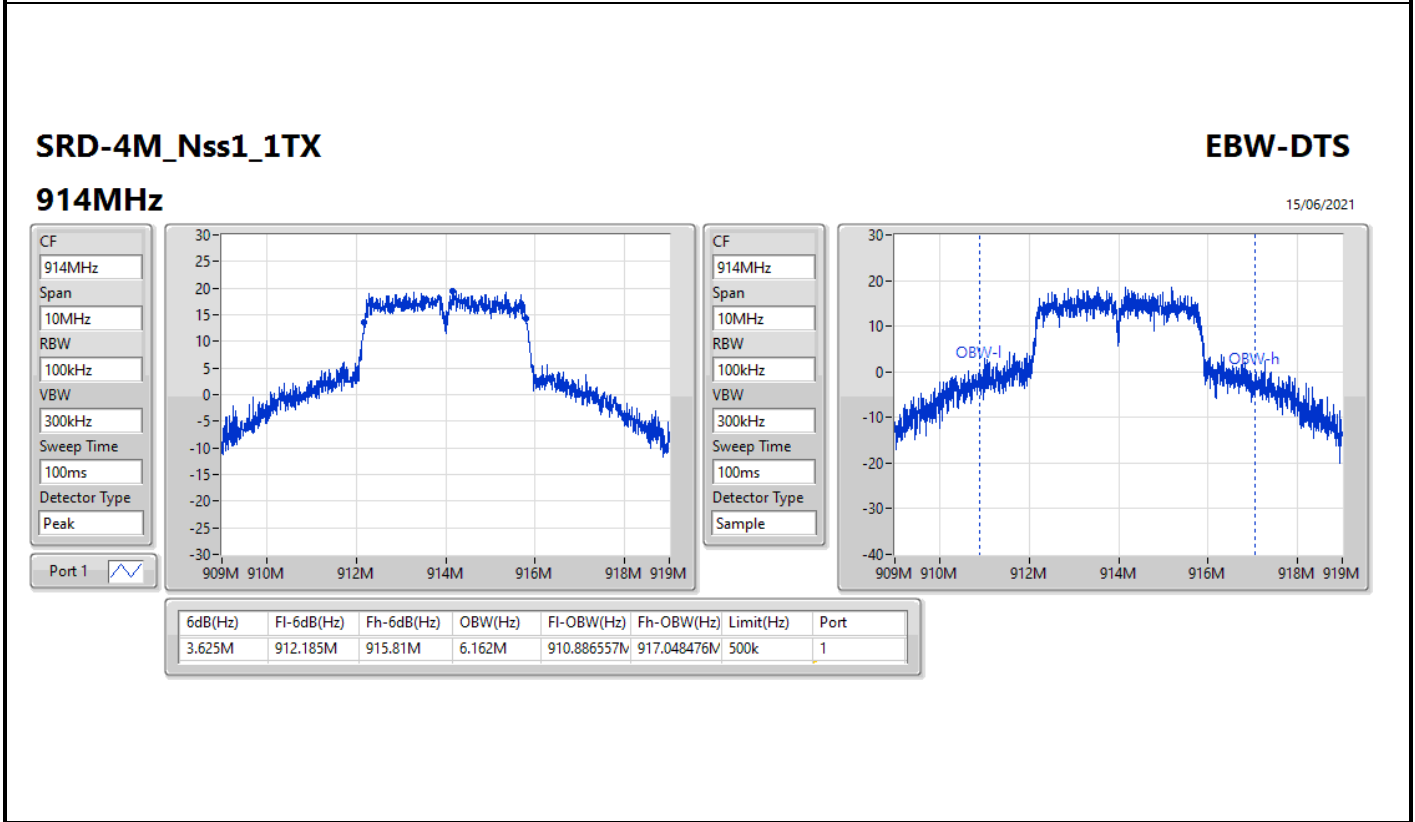
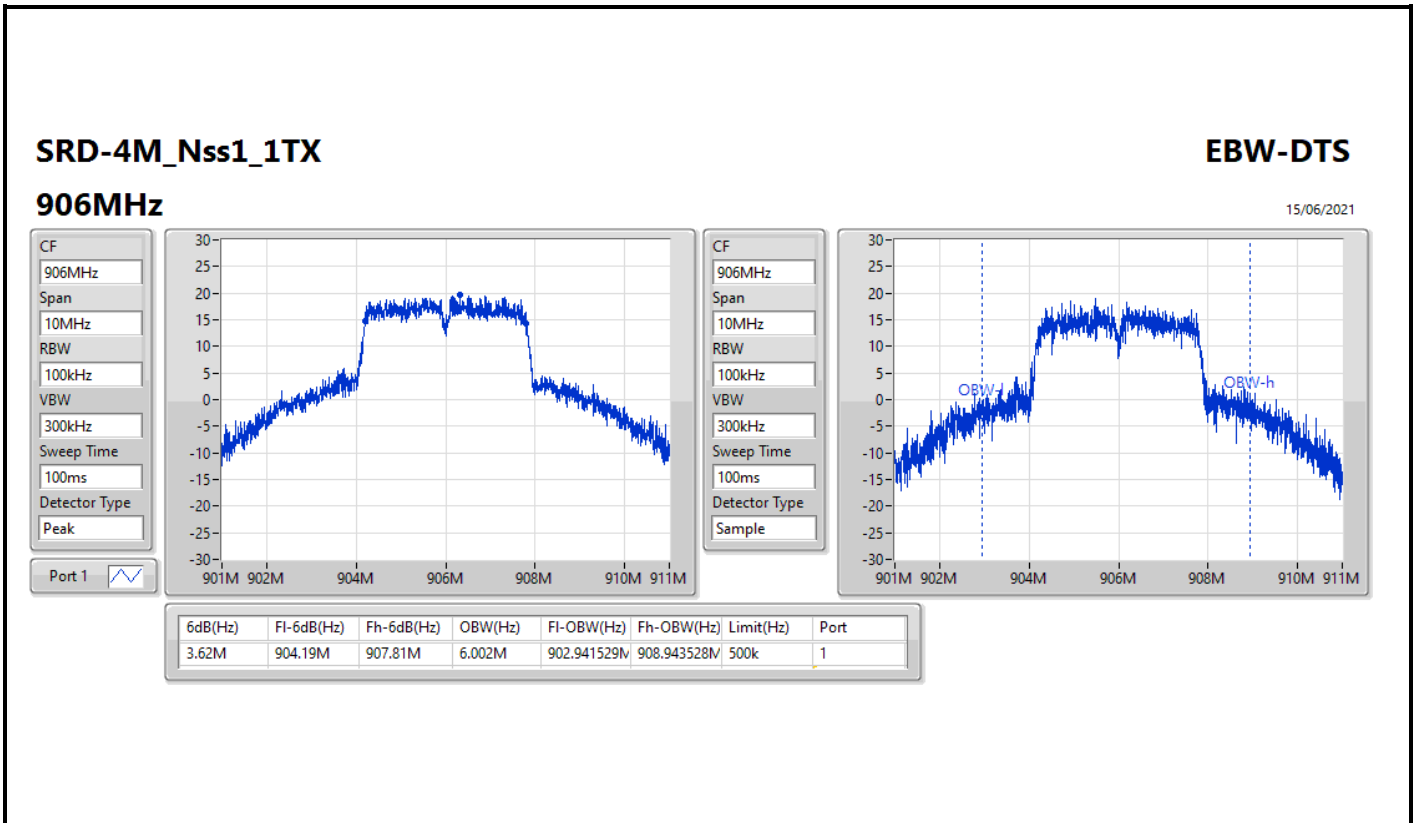
EBW-DTS

905MHz

04/08/2021







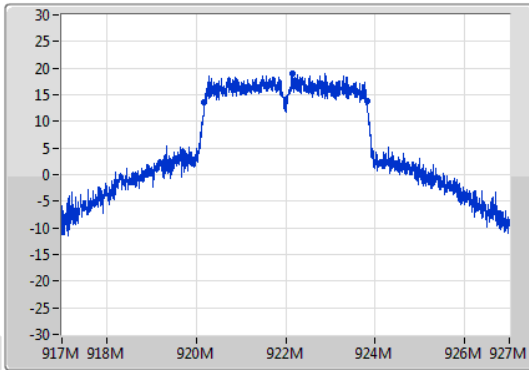
SRD-4M_Nss1_1TX

EBW-DTS

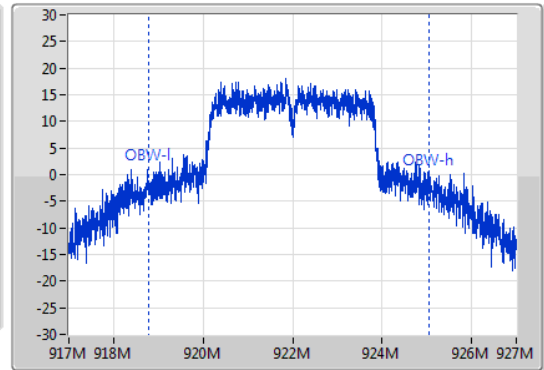
922MHz

04/08/2021

CF
922MHz
Span
10MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
922MHz
Span
10MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.635M	920.18M	923.815M	6.277M	918.786607M	925.063468M	500k	1



Summary

Mode	Power (dBm)	Power (W)
902-928MHz	-	-
SRD-1M_Nss1_1TX	27.63	0.57943
SRD-2M_Nss1_1TX	27.80	0.60256
SRD-4M_Nss1_1TX	28.00	0.63096



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
SRD-1M_Nss1_1TX	-	-	-	-
903.5MHz	Pass	2.00	27.63	30.00
914.5MHz	Pass	2.00	27.50	30.00
926.5MHz	Pass	2.00	27.16	30.00
SRD-2M_Nss1_1TX	-	-	-	-
905MHz	Pass	2.00	27.80	30.00
915MHz	Pass	2.00	27.74	30.00
925MHz	Pass	2.00	27.61	30.00
SRD-4M_Nss1_1TX	-	-	-	-
906MHz	Pass	2.00	28.00	30.00
914MHz	Pass	2.00	27.87	30.00
922MHz	Pass	2.00	27.81	30.00

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



Summary

Mode	Power (dBm)	Power (W)
902-928MHz	-	-
SRD-1M_Nss1_1TX	22.68	0.18535
SRD-2M_Nss1_1TX	24.81	0.30269
SRD-4M_Nss1_1TX	25.51	0.35563



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
SRD-1M_Nss1_1TX	-	-	-	-
903.5MHz	Pass	2.00	22.68	30.00
914.5MHz	Pass	2.00	22.56	30.00
926.5MHz	Pass	2.00	21.57	30.00
SRD-2M_Nss1_1TX	-	-	-	-
905MHz	Pass	2.00	24.43	30.00
915MHz	Pass	2.00	24.38	30.00
925MHz	Pass	2.00	24.81	30.00
SRD-4M_Nss1_1TX	-	-	-	-
906MHz	Pass	2.00	25.51	30.00
914MHz	Pass	2.00	25.46	30.00
922MHz	Pass	2.00	25.24	30.00

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



Summary

Mode	PD (dBm/RBW)
902-928MHz	-
SRD-1M_Nss1_1TX	7.58
SRD-2M_Nss1_1TX	7.72
SRD-4M_Nss1_1TX	6.16

RBW = 3kHz;



Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
SRD-1M_Nss1_1TX	-	-	-	-
903.5MHz	Pass	2.00	7.58	8.00
914.5MHz	Pass	2.00	7.28	8.00
926.5MHz	Pass	2.00	7.13	8.00
SRD-2M_Nss1_1TX	-	-	-	-
905MHz	Pass	2.00	7.27	8.00
915MHz	Pass	2.00	7.72	8.00
925MHz	Pass	2.00	7.40	8.00
SRD-4M_Nss1_1TX	-	-	-	-
906MHz	Pass	2.00	4.69	8.00
914MHz	Pass	2.00	6.16	8.00
922MHz	Pass	2.00	3.26	8.00

DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

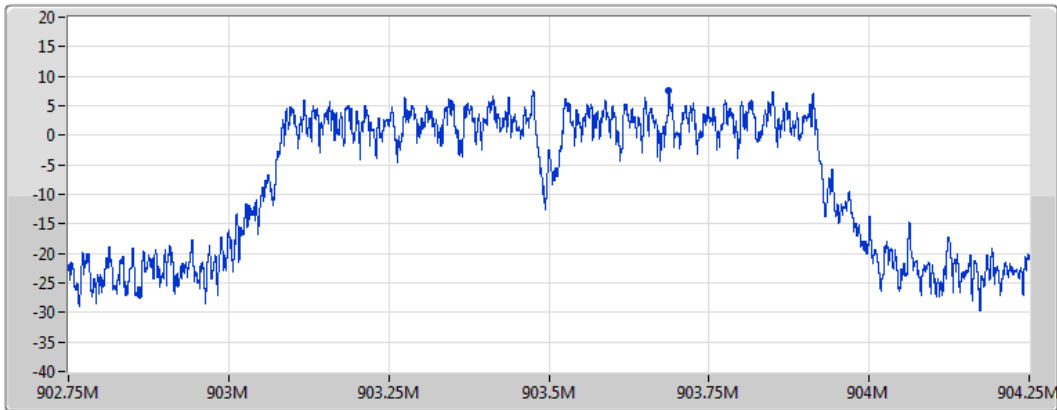
SRD-1M_Nss1_1TX


PSD

903.5MHz

04/08/2021

CF
903.5MHz
Span
1.5MHz
RBW
3kHz
VBW
10kHz
Sweep Time
632.18121us
Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.58	7.58	7.58

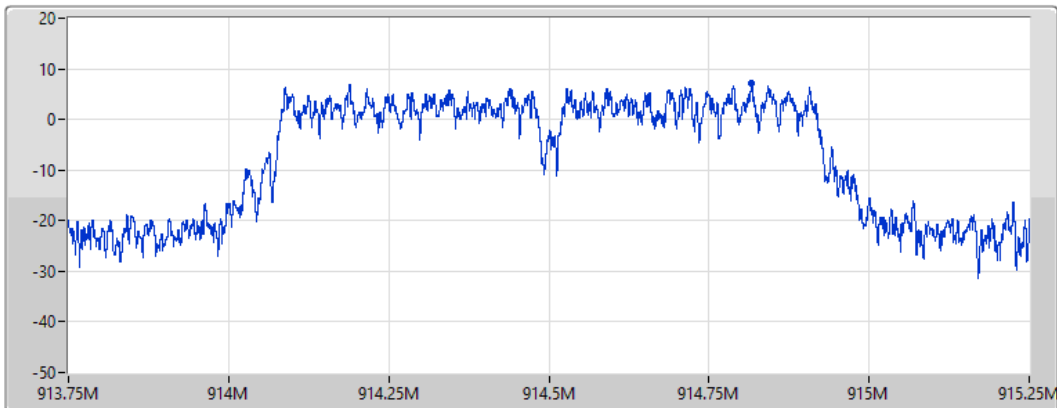
SRD-1M_Nss1_1TX

PSD

914.5MHz

15/06/2021

CF
914.5MHz
Span
1.5MHz
RBW
3kHz
VBW
10kHz
Sweep Time
632.18121us
Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	7.28

SRD-1M_Nss1_1TX

PSD

926.5MHz

04/08/2021

CF
926.5MHz

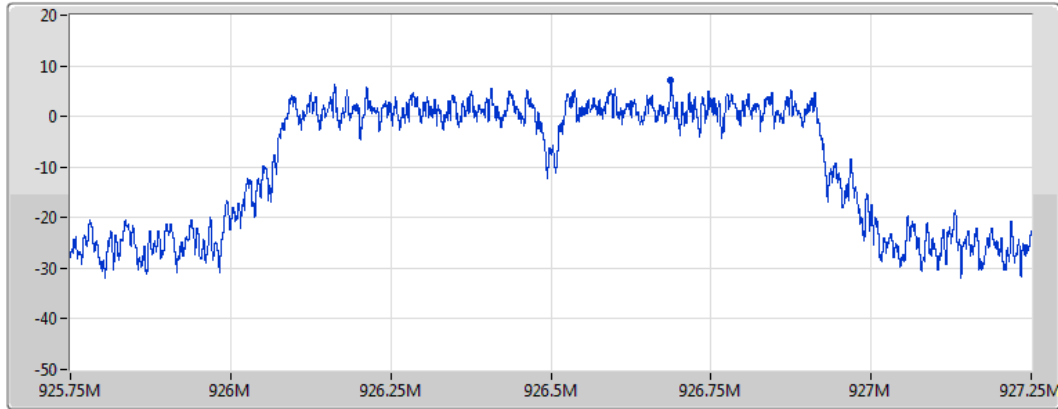
Span
1.5MHz

RBW
3kHz

VBW
10kHz

Sweep Time
632.18121us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.13	7.13	7.13

SRD-2M_Nss1_1TX

PSD

905MHz

04/08/2021

CF
905MHz

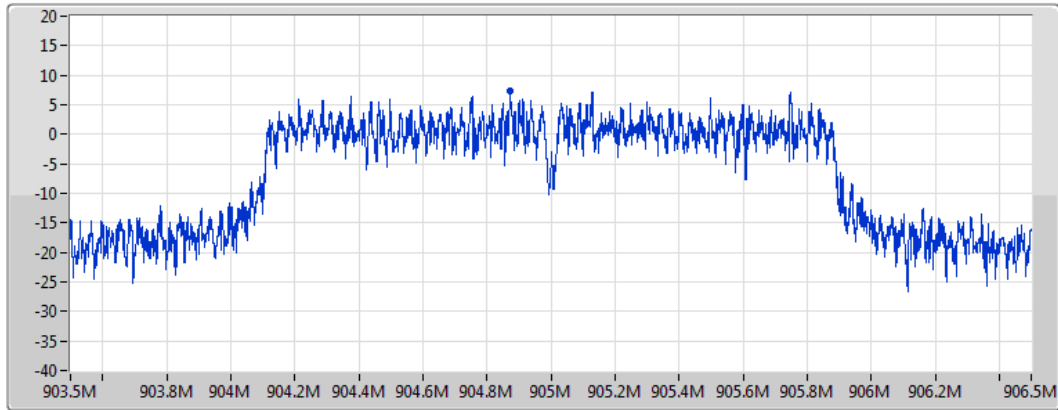
Span
3MHz

RBW
3kHz

VBW
10kHz

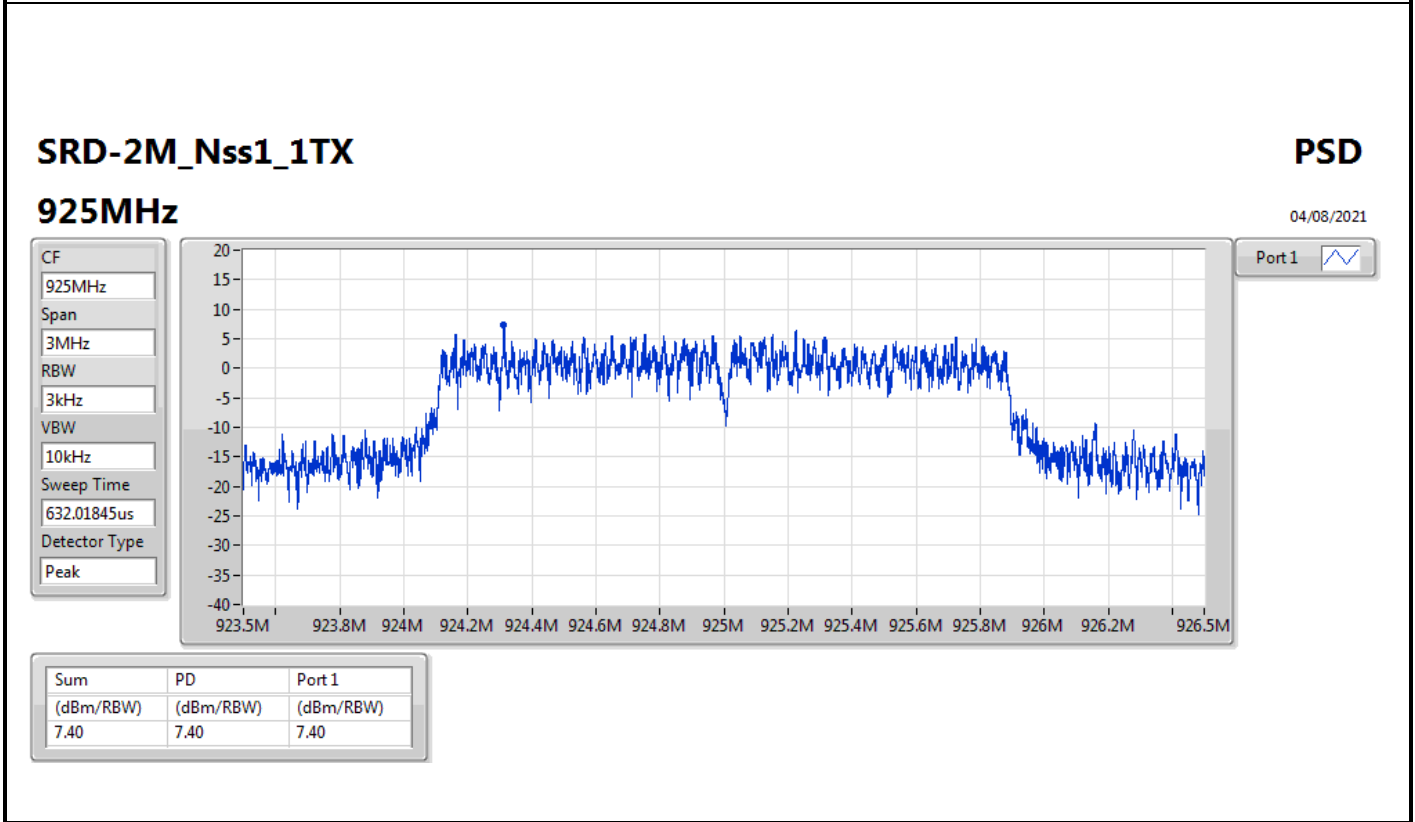
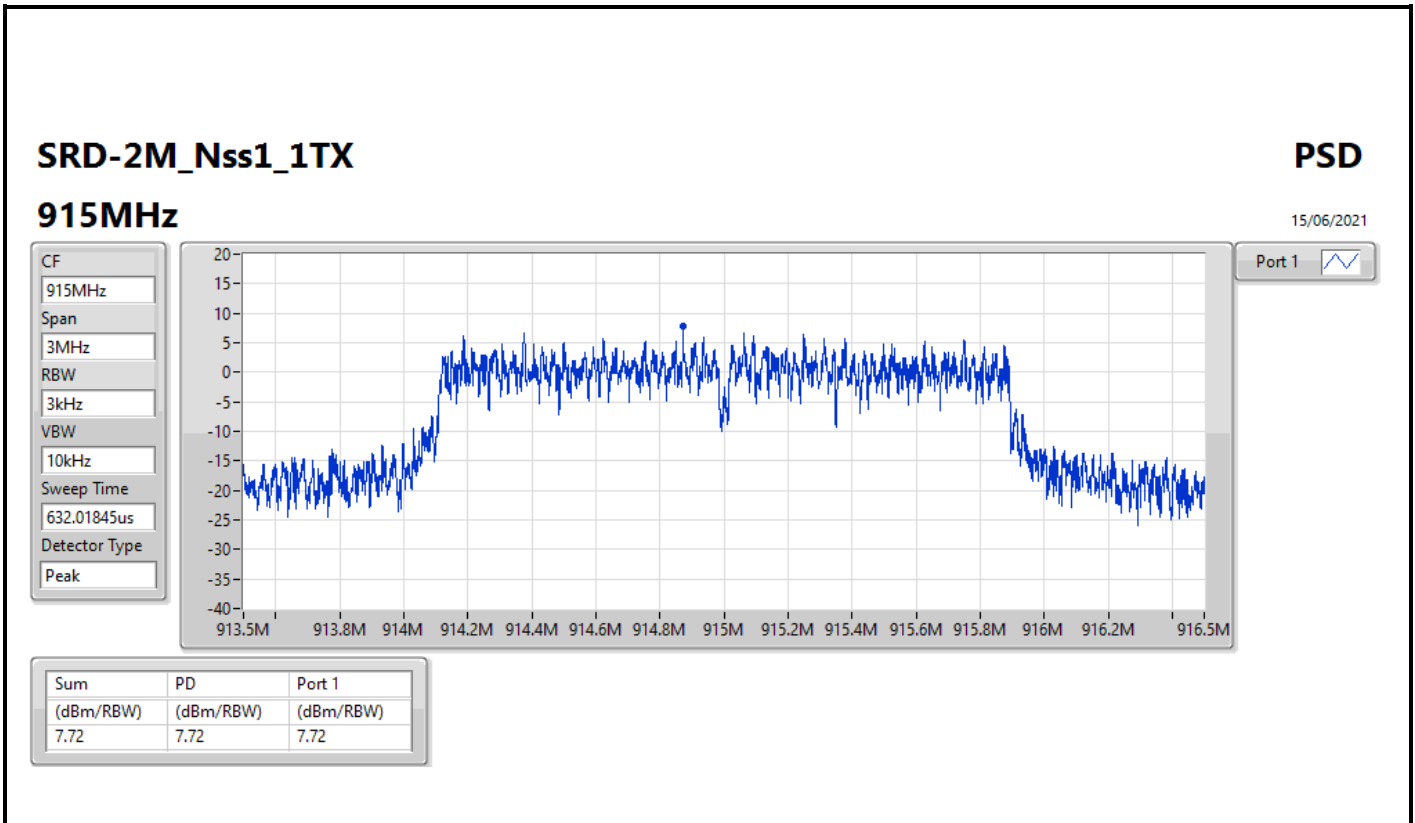
Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.27	7.27	7.27



SRD-4M_Nss1_1TX

PSD

906MHz

15/06/2021

CF
906MHz

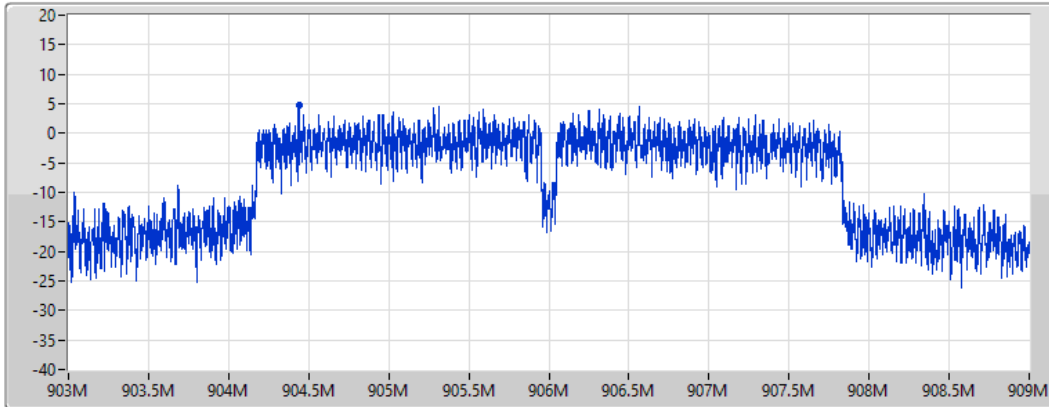
Span
6MHz


RBW
3kHz

VBW
10kHz

Sweep Time
1.264037ms

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.69	4.69	4.69

SRD-4M_Nss1_1TX

PSD

914MHz

15/06/2021

CF
914MHz

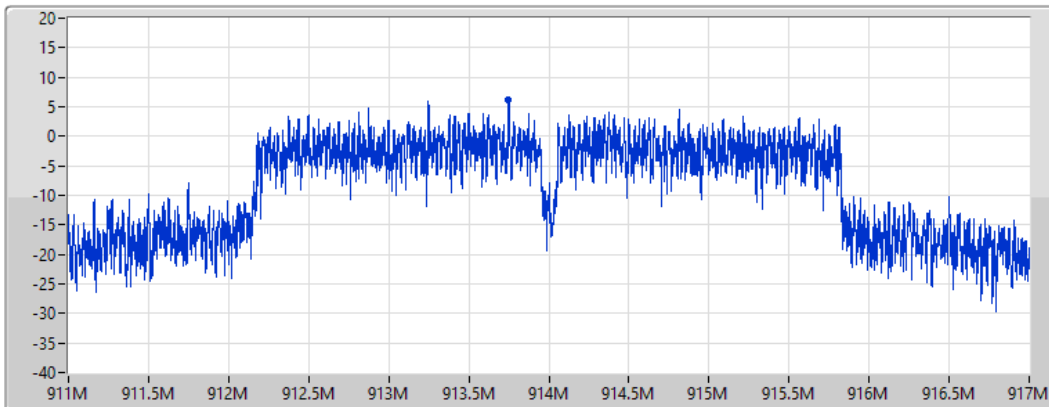
Span
6MHz


RBW
3kHz

VBW
10kHz

Sweep Time
1.264037ms

Detector Type
Peak



Port 1 

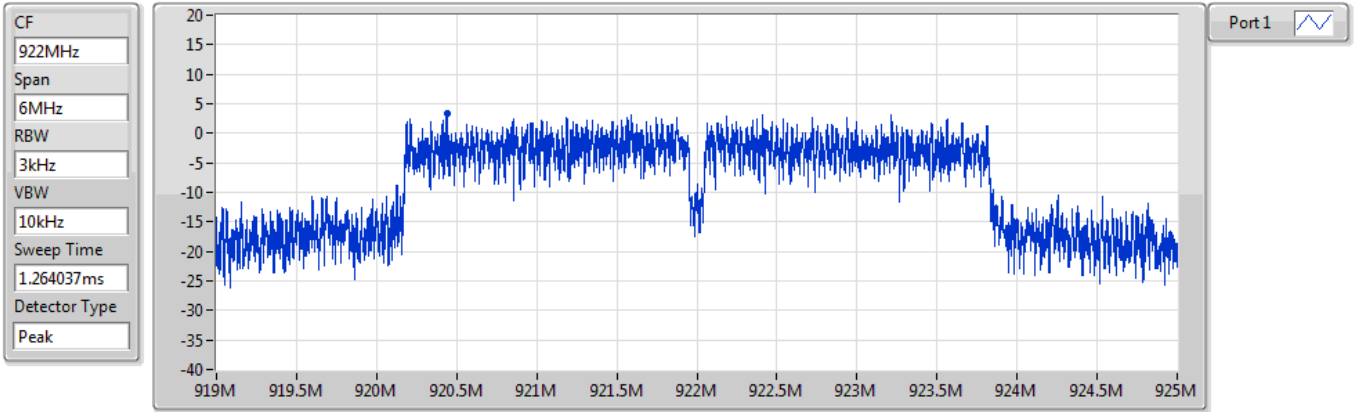
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.16	6.16	6.16

SRD-4M_Nss1_1TX

PSD

922MHz

04/08/2021



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.26	3.26	3.26

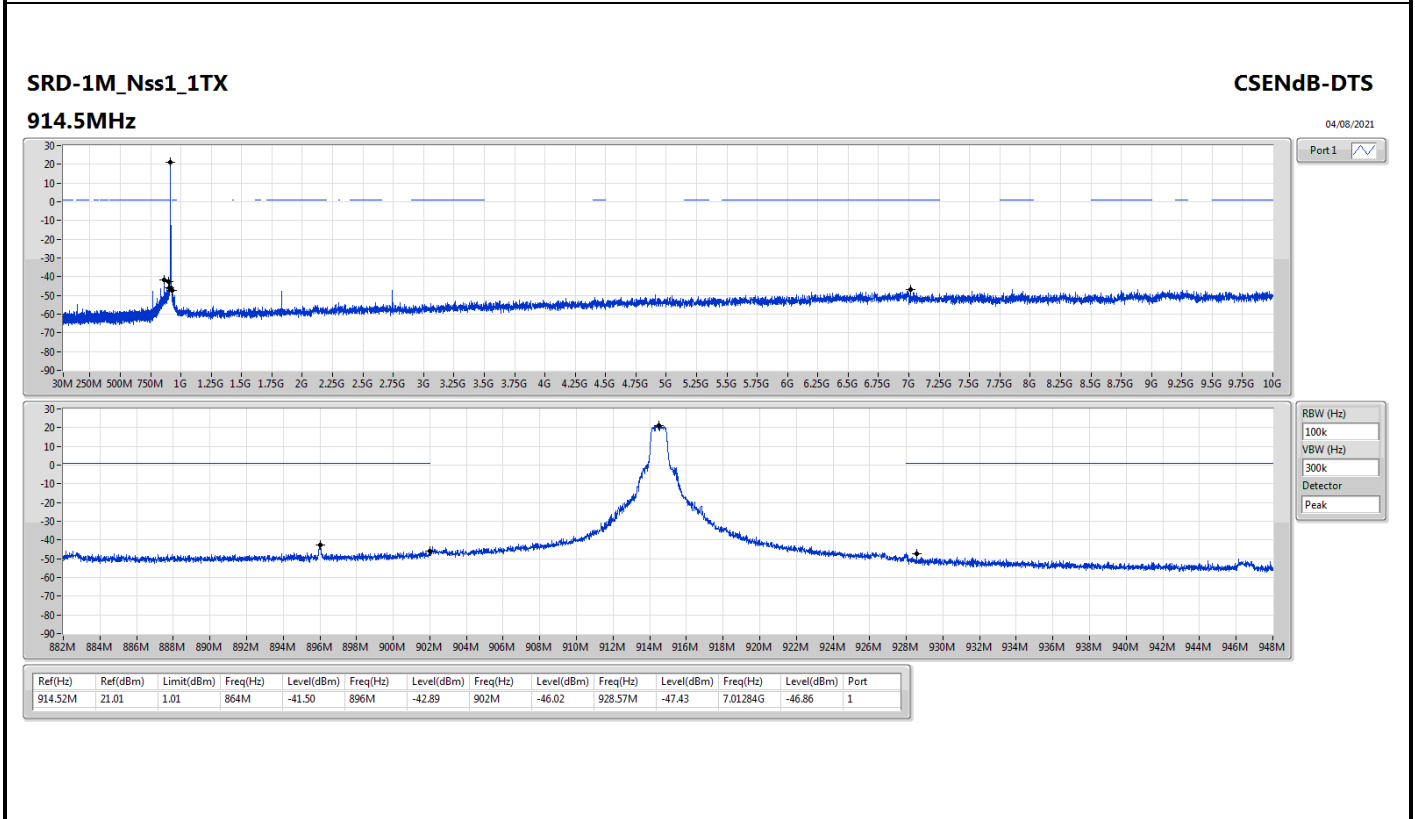
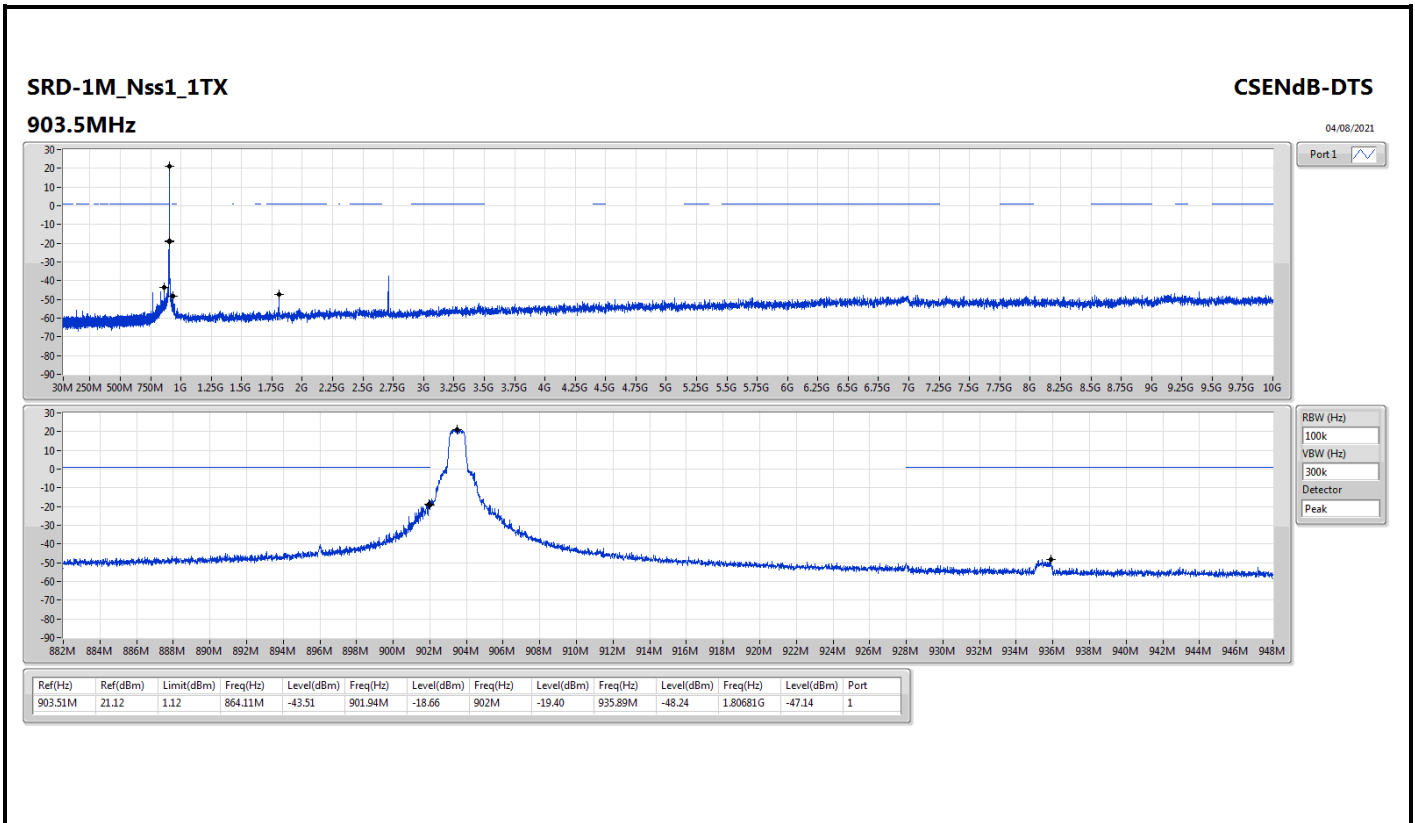


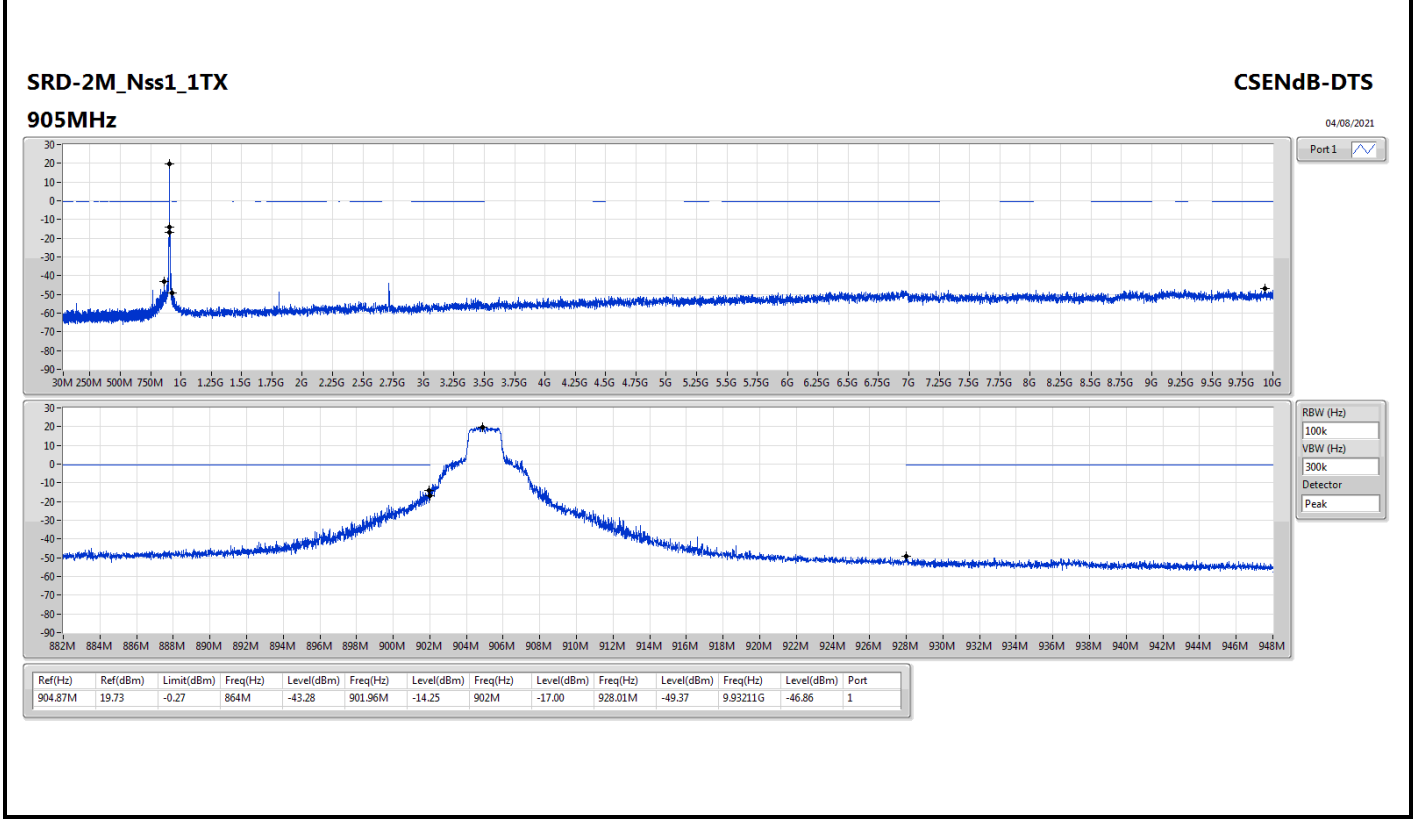
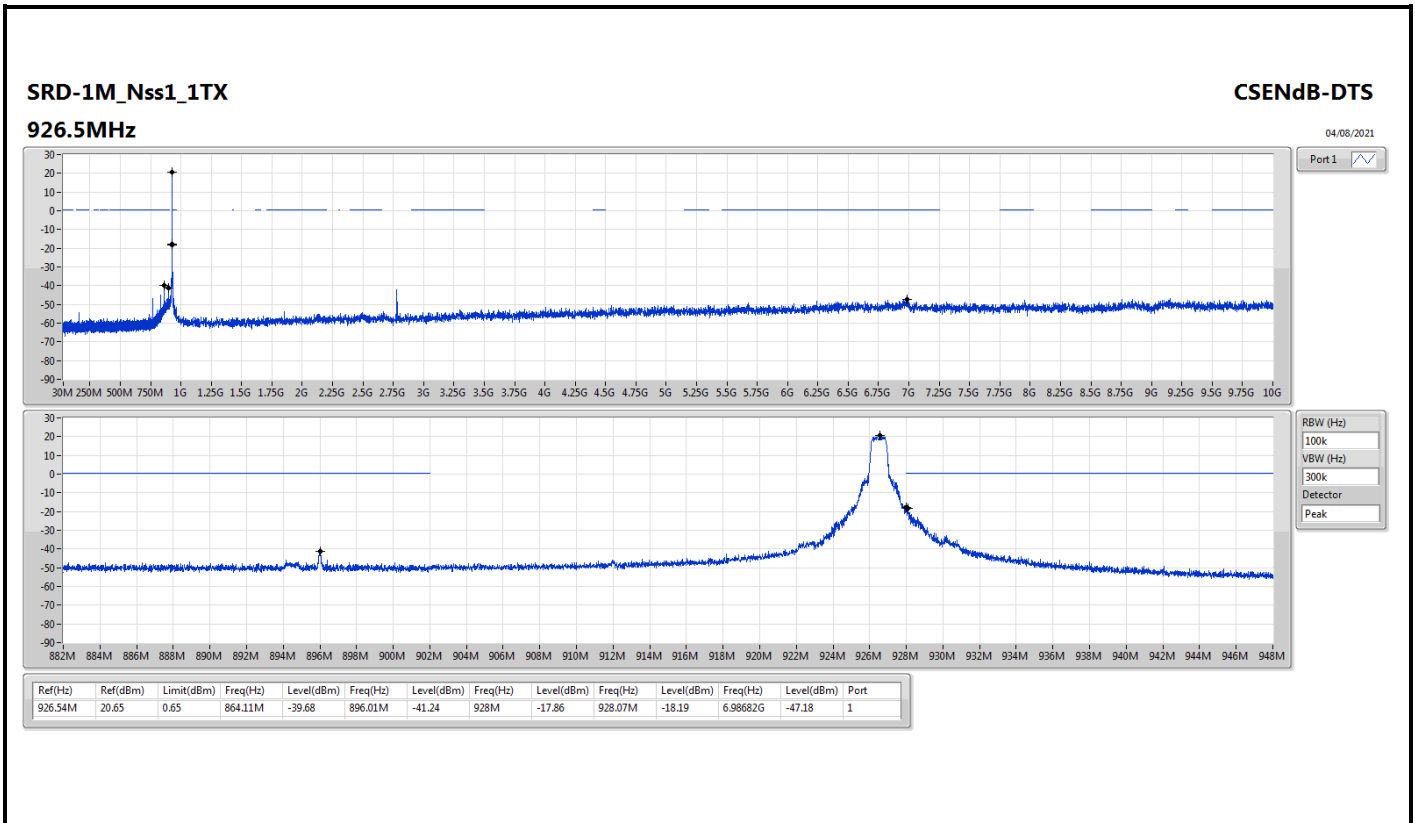
Summary

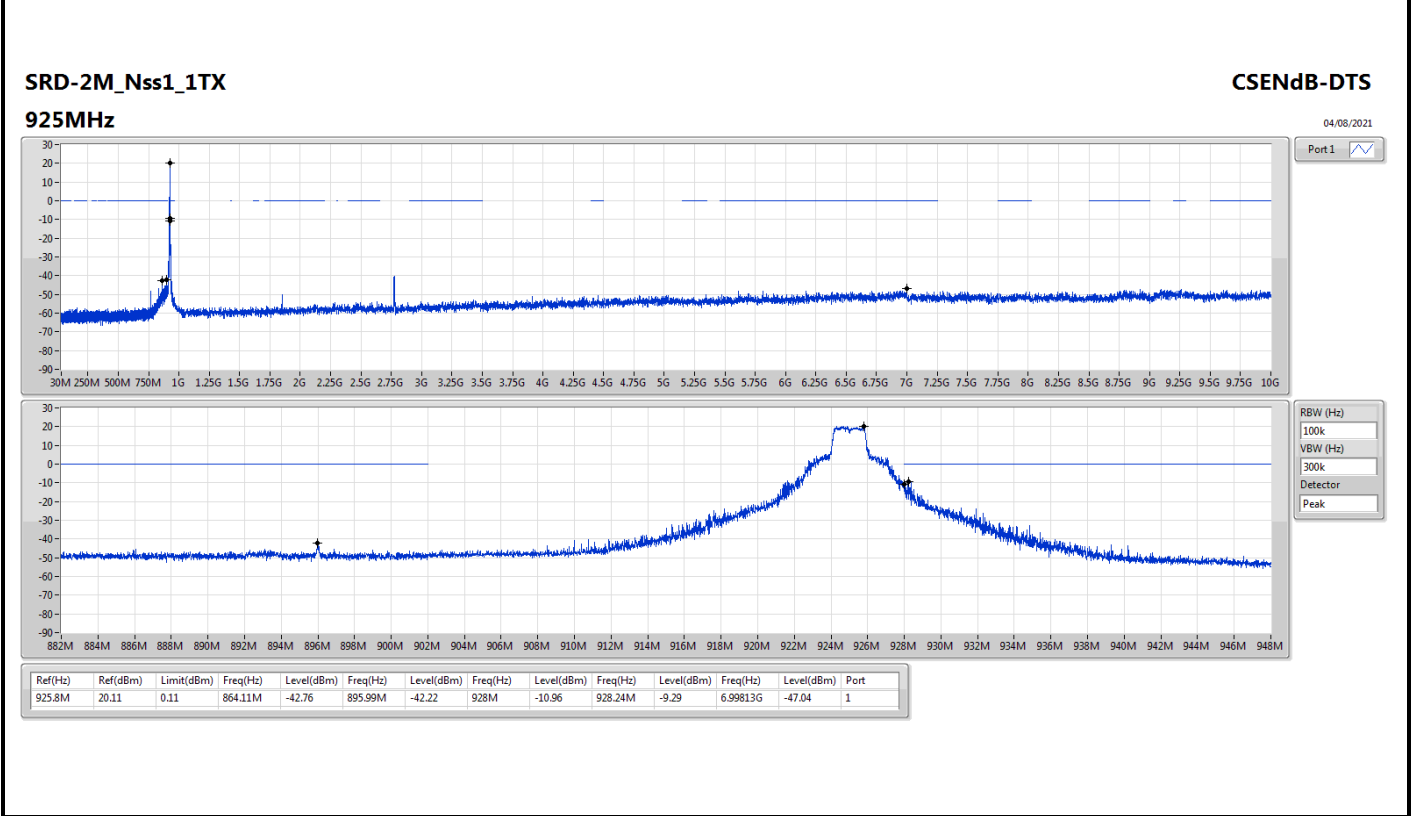
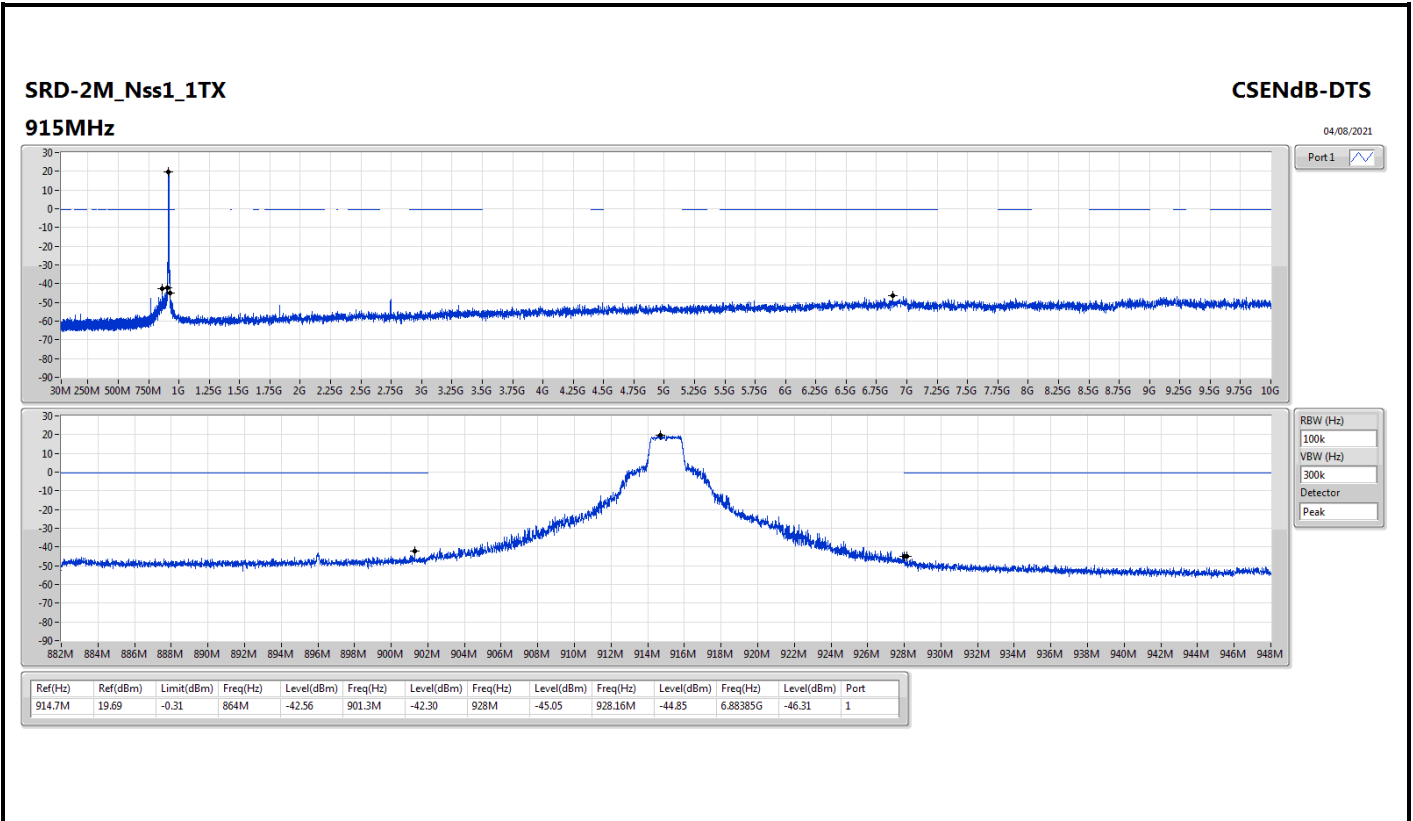
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
902-928MHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SRD-1M_Nss1_1TX	Pass	926.54M	20.65	0.65	864.11M	-39.68	896.01M	-41.24	928M	-17.86	928.07M	-18.19	6.98682G	-47.18	1
SRD-2M_Nss1_1TX	Pass	925.8M	20.11	0.11	864.11M	-42.76	895.99M	-42.22	928M	-10.96	928.24M	-9.29	6.99813G	-47.04	1
SRD-4M_Nss1_1TX	Pass	906.13M	18.65	-1.35	864.11M	-45.52	901.97M	-2.14	902M	-2.72	928.29M	-42.83	6.96984G	-46.03	1

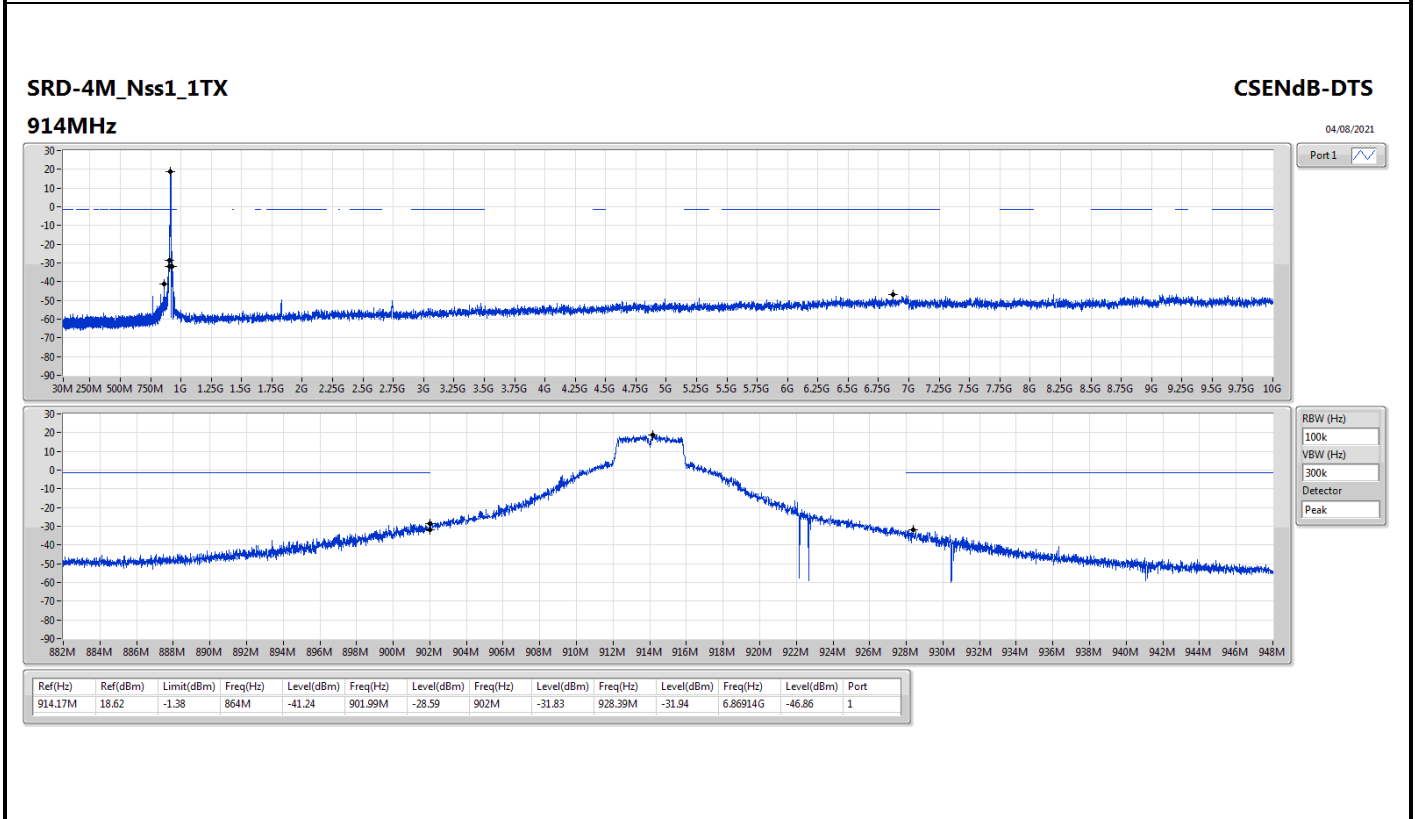
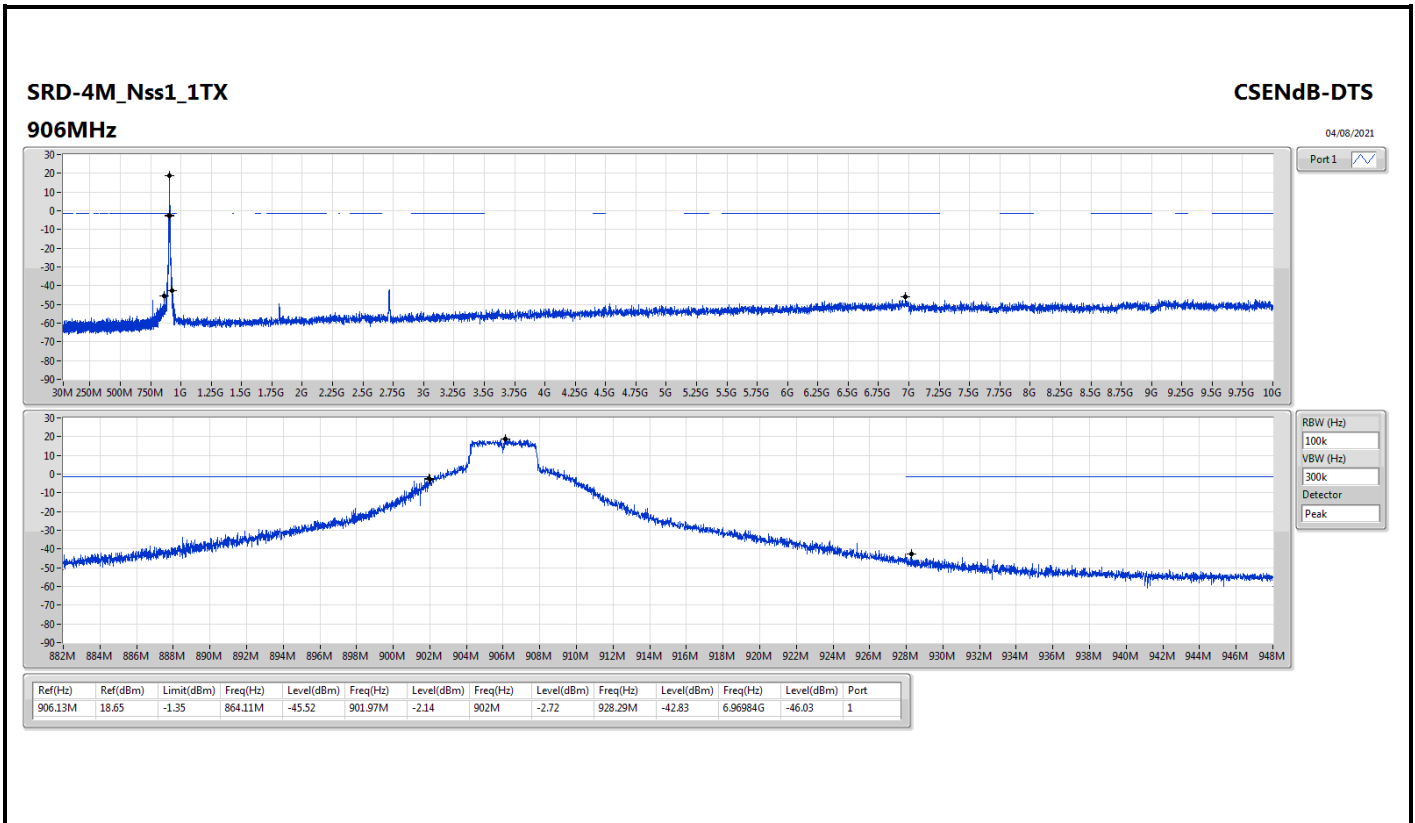
Result

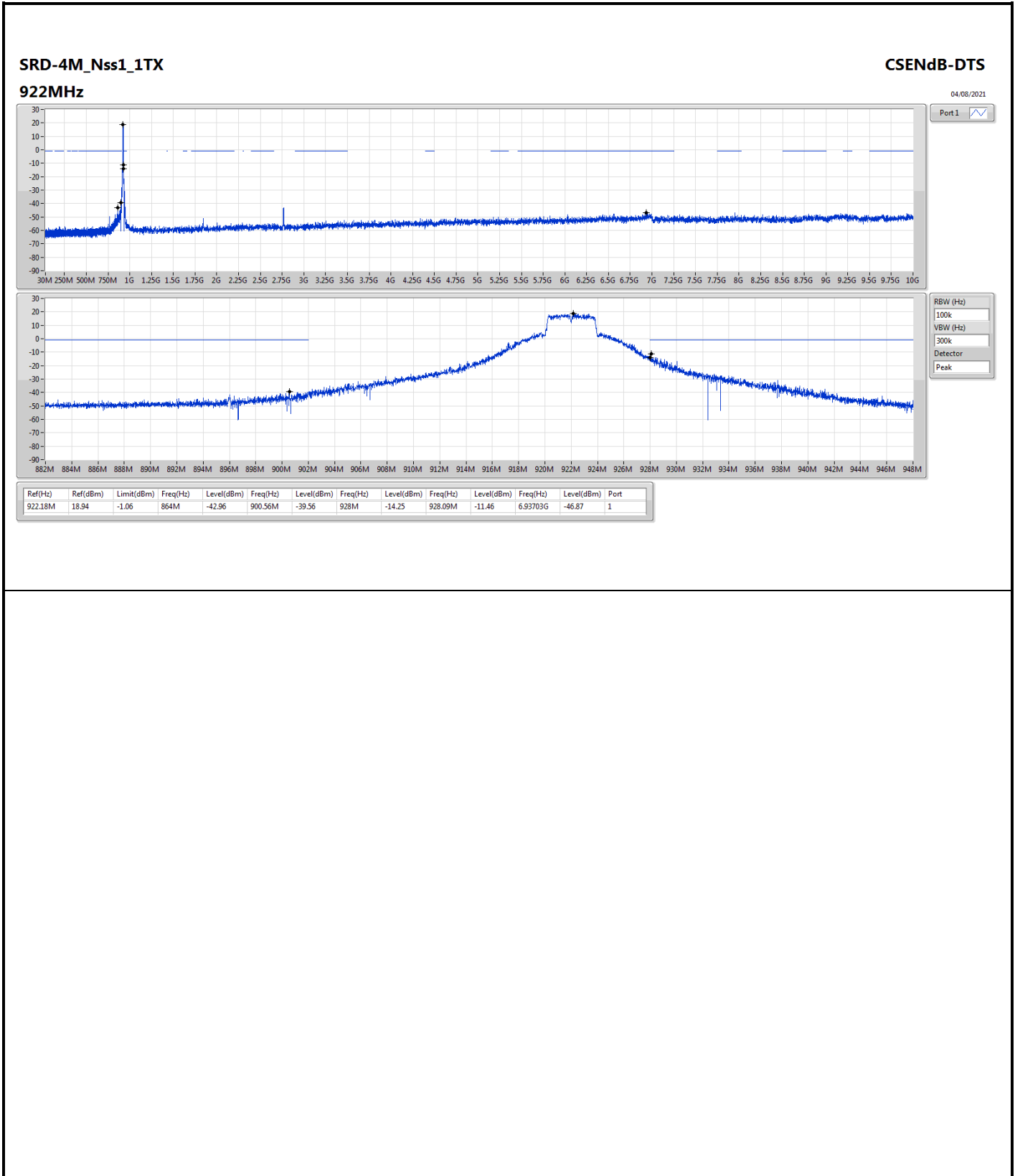
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
SRD-1M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
903.5MHz	Pass	903.51M	21.12	1.12	864.11M	-43.51	901.94M	-18.66	902M	-19.40	935.89M	-48.24	1.80681G	-47.14	1
914.5MHz	Pass	914.52M	21.01	1.01	864M	-41.50	896M	-42.89	902M	-46.02	928.57M	-47.43	7.01284G	-46.86	1
926.5MHz	Pass	926.54M	20.65	0.65	864.11M	-39.68	896.01M	-41.24	928M	-17.86	928.07M	-18.19	6.98682G	-47.18	1
SRD-2M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
905MHz	Pass	904.87M	19.73	-0.27	864M	-43.28	901.96M	-14.25	902M	-17.00	928.01M	-49.37	9.93211G	-46.86	1
915MHz	Pass	914.7M	19.69	-0.31	864M	-42.56	901.3M	-42.30	928M	-45.05	928.16M	-44.85	6.88385G	-46.31	1
925MHz	Pass	925.8M	20.11	0.11	864.11M	-42.76	895.99M	-42.22	928M	-10.96	928.24M	-9.29	6.99813G	-47.04	1
SRD-4M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
906MHz	Pass	906.13M	18.65	-1.35	864.11M	-45.52	901.97M	-2.14	902M	-2.72	928.29M	-42.83	6.96984G	-46.03	1
914MHz	Pass	914.17M	18.62	-1.38	864M	-41.24	901.99M	-28.59	902M	-31.83	928.39M	-31.94	6.86914G	-46.86	1
922MHz	Pass	922.18M	18.94	-1.06	864M	-42.96	900.56M	-39.56	928M	-14.25	928.09M	-11.46	6.93703G	-46.87	1













Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
902-928MHz	-	-	-	-	-	-	-	-	-	-	-
SRD-1M_Nss1_1TX	Pass	PK	132.82M	36.92	43.50	-6.58	3	Horizontal	0	1.00	-
SRD-2M_Nss1_1TX	Pass	PK	132.82M	36.13	43.50	-7.37	3	Horizontal	360	1.00	-
SRD-4M_Nss1_1TX	Pass	PK	132.82M	33.87	43.50	-9.63	3	Horizontal	0	1.00	-

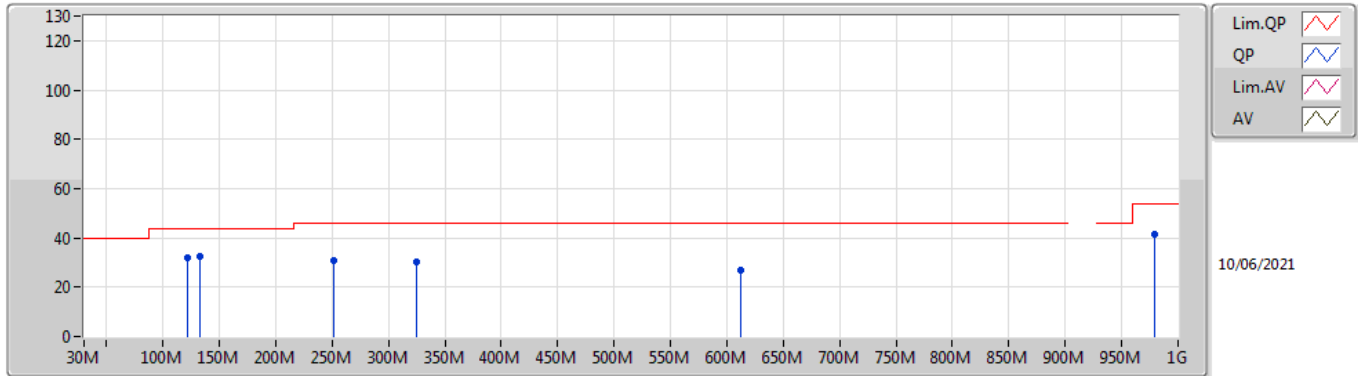


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD-1M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
914.5MHz	Pass	PK	121.18M	32.05	43.50	-11.45	3	Vertical	360	1.00	-
914.5MHz	Pass	PK	132.82M	32.40	43.50	-11.10	3	Vertical	360	1.00	-
914.5MHz	Pass	PK	251.16M	31.03	46.00	-14.97	3	Vertical	360	1.00	-
914.5MHz	Pass	PK	324.88M	30.13	46.00	-15.87	3	Vertical	360	1.00	-
914.5MHz	Pass	PK	612M	26.74	46.00	-19.26	3	Vertical	360	1.00	-
914.5MHz	Pass	PK	978.66M	41.22	54.00	-12.78	3	Vertical	360	1.00	-
914.5MHz	Pass	PK	119.24M	28.42	43.50	-15.08	3	Horizontal	0	1.00	-
914.5MHz	Pass	PK	132.82M	36.92	43.50	-6.58	3	Horizontal	0	1.00	-
914.5MHz	Pass	PK	251.16M	35.60	46.00	-10.40	3	Horizontal	0	1.00	-
914.5MHz	Pass	PK	408.3M	27.16	46.00	-18.84	3	Horizontal	0	1.00	-
914.5MHz	Pass	PK	613.94M	25.84	46.00	-20.16	3	Horizontal	0	1.00	-
914.5MHz	Pass	PK	978.66M	32.59	54.00	-21.41	3	Horizontal	0	1.00	-
SRD-2M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
915MHz	Pass	PK	119.24M	31.99	43.50	-11.51	3	Vertical	0	1.00	-
915MHz	Pass	PK	251.16M	31.46	46.00	-14.54	3	Vertical	0	1.00	-
915MHz	Pass	PK	324.88M	27.31	46.00	-18.69	3	Vertical	0	1.00	-
915MHz	Pass	PK	408.3M	29.96	46.00	-16.04	3	Vertical	0	1.00	-
915MHz	Pass	PK	621.7M	27.98	46.00	-18.02	3	Vertical	0	1.00	-
915MHz	Pass	PK	961.2M	44.06	54.00	-9.94	3	Vertical	0	1.00	-
915MHz	Pass	PK	74.62M	25.46	40.00	-14.54	3	Horizontal	360	1.00	-
915MHz	Pass	PK	132.82M	36.13	43.50	-7.37	3	Horizontal	360	1.00	-
915MHz	Pass	PK	253.1M	35.41	46.00	-10.59	3	Horizontal	360	1.00	-
915MHz	Pass	PK	408.3M	26.44	46.00	-19.56	3	Horizontal	360	1.00	-
915MHz	Pass	PK	613.94M	24.98	46.00	-21.02	3	Horizontal	360	1.00	-
915MHz	Pass	PK	992.24M	33.67	54.00	-20.33	3	Horizontal	360	1.00	-
SRD-4M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
914MHz	Pass	PK	37.76M	29.05	40.00	-10.95	3	Vertical	360	1.00	-
914MHz	Pass	PK	121.18M	32.49	43.50	-11.01	3	Vertical	360	1.00	-
914MHz	Pass	PK	264.74M	30.19	46.00	-15.81	3	Vertical	360	1.00	-
914MHz	Pass	PK	408.3M	28.66	46.00	-17.34	3	Vertical	360	1.00	-
914MHz	Pass	PK	612M	25.78	46.00	-20.22	3	Vertical	360	1.00	-
914MHz	Pass	PK	976.72M	40.26	54.00	-13.74	3	Vertical	360	1.00	-
914MHz	Pass	PK	132.82M	33.87	43.50	-9.63	3	Horizontal	0	1.00	-
914MHz	Pass	PK	251.16M	35.90	46.00	-10.10	3	Horizontal	0	1.00	-
914MHz	Pass	PK	324.88M	30.79	46.00	-15.21	3	Horizontal	0	1.00	-
914MHz	Pass	PK	408.3M	24.23	46.00	-21.77	3	Horizontal	0	1.00	-
914MHz	Pass	PK	612M	25.48	46.00	-20.52	3	Horizontal	0	1.00	-
914MHz	Pass	PK	992.24M	33.72	54.00	-20.28	3	Horizontal	0	1.00	-

SRD-1M_Nss1_1TX

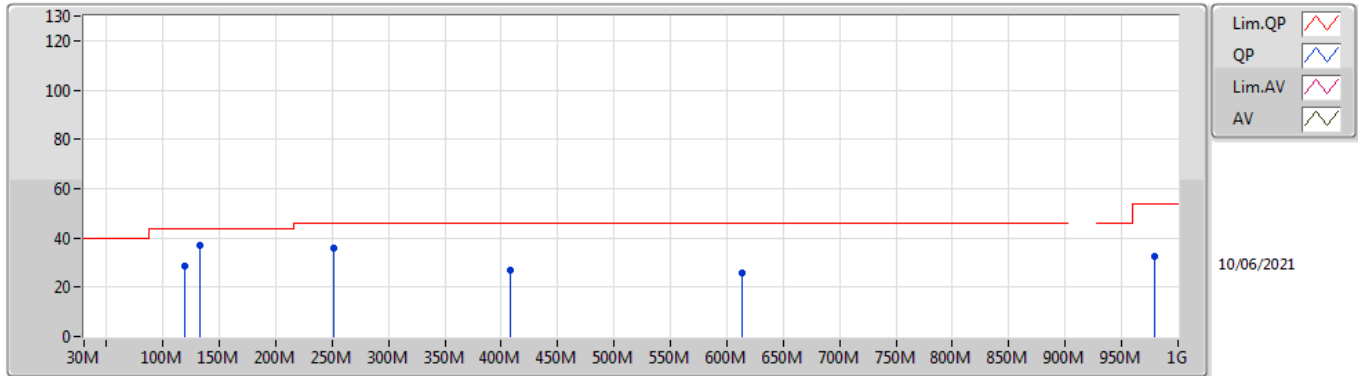
914.5MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	121.18M	32.05	43.50	-11.45	-18.81	3	Vertical	360	1.00	-	50.86	16.76	1.09	36.66
PK	132.82M	32.40	43.50	-11.10	-18.54	3	Vertical	360	1.00	-	50.94	16.83	1.14	36.51
PK	251.16M	31.03	46.00	-14.97	-17.07	3	Vertical	360	1.00	-	48.10	17.82	1.50	36.39
PK	324.88M	30.13	46.00	-15.87	-15.96	3	Vertical	360	1.00	-	46.09	18.80	1.72	36.48
PK	612M	26.74	46.00	-19.26	-9.77	3	Vertical	360	1.00	-	36.51	24.87	2.51	37.15
PK	978.66M	41.22	54.00	-12.78	-4.27	3	Vertical	360	1.00	-	45.49	29.89	3.12	37.28

SRD-1M_Nss1_1TX

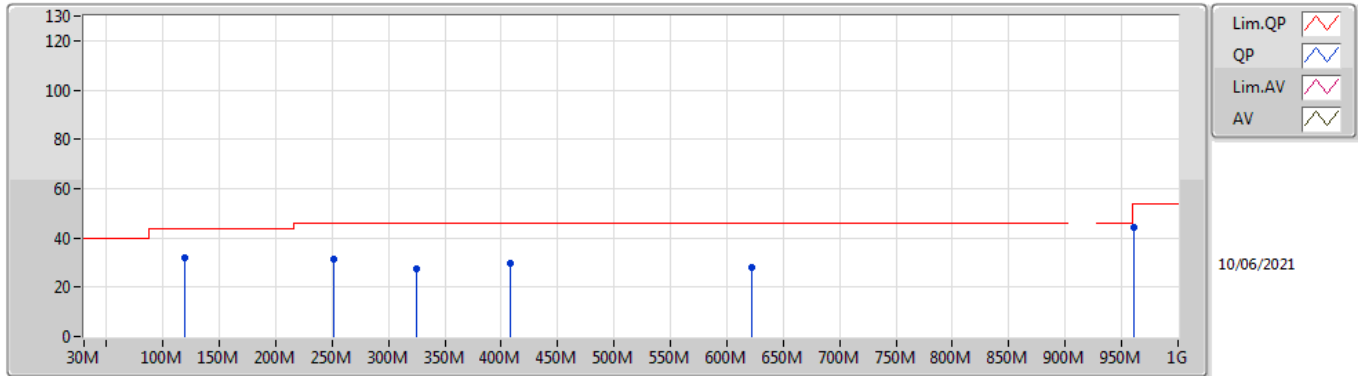
914.5MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	119.24M	28.42	43.50	-15.08	-18.91	3	Horizontal	0	1.00	-	47.33	16.69	1.08	36.68
PK	132.82M	36.92	43.50	-6.58	-18.54	3	Horizontal	0	1.00	-	55.46	16.83	1.14	36.51
PK	251.16M	35.60	46.00	-10.40	-17.07	3	Horizontal	0	1.00	-	52.67	17.82	1.50	36.39
PK	408.3M	27.16	46.00	-18.84	-13.15	3	Horizontal	0	1.00	-	40.31	21.49	1.94	36.58
PK	613.94M	25.84	46.00	-20.16	-9.70	3	Horizontal	0	1.00	-	35.54	24.95	2.51	37.16
PK	978.66M	32.59	54.00	-21.41	-4.27	3	Horizontal	0	1.00	-	36.86	29.89	3.12	37.28

SRD-2M_Nss1_1TX

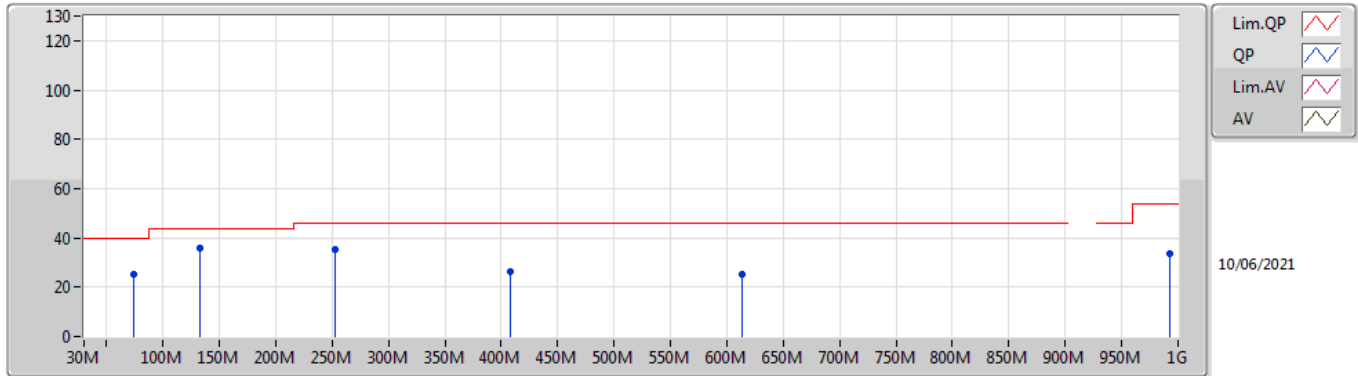
915MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	119.24M	31.99	43.50	-11.51	-18.91	3	Vertical	0	1.00	-	50.90	16.69	1.08	36.68
PK	251.16M	31.46	46.00	-14.54	-17.07	3	Vertical	0	1.00	-	48.53	17.82	1.50	36.39
PK	324.88M	27.31	46.00	-18.69	-15.96	3	Vertical	0	1.00	-	43.27	18.80	1.72	36.48
PK	408.3M	29.96	46.00	-16.04	-13.15	3	Vertical	0	1.00	-	43.11	21.49	1.94	36.58
PK	621.7M	27.98	46.00	-18.02	-9.35	3	Vertical	0	1.00	-	37.33	25.29	2.54	37.18
PK	961.2M	44.06	54.00	-9.94	-4.11	3	Vertical	0	1.00	-	48.17	30.24	3.11	37.46

SRD-2M_Nss1_1TX

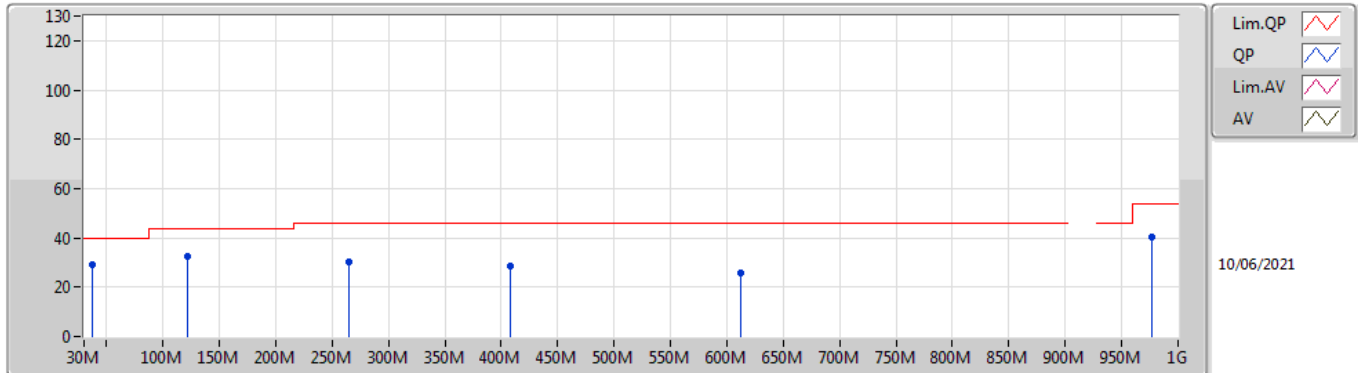
915MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	74.62M	25.46	40.00	-14.54	-24.34	3	Horizontal	360	1.00	-	49.80	11.73	0.86	36.93
PK	132.82M	36.13	43.50	-7.37	-18.54	3	Horizontal	360	1.00	-	54.67	16.83	1.14	36.51
PK	253.1M	35.41	46.00	-10.59	-16.79	3	Horizontal	360	1.00	-	52.20	18.09	1.51	36.39
PK	408.3M	26.44	46.00	-19.56	-13.15	3	Horizontal	360	1.00	-	39.59	21.49	1.94	36.58
PK	613.94M	24.98	46.00	-21.02	-9.70	3	Horizontal	360	1.00	-	34.68	24.95	2.51	37.16
PK	992.24M	33.67	54.00	-20.33	-4.43	3	Horizontal	360	1.00	-	38.10	29.57	3.13	37.13

SRD-4M_Nss1_1TX

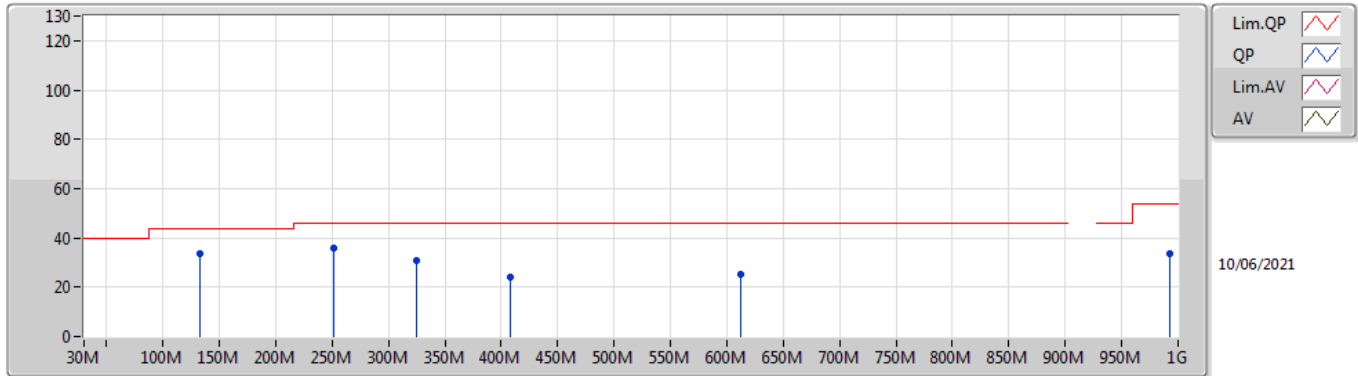
914MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	37.76M	29.05	40.00	-10.95	-16.61	3	Vertical	360	1.00	-	45.66	19.77	0.70	37.08
PK	121.18M	32.49	43.50	-11.01	-18.81	3	Vertical	360	1.00	-	51.30	16.76	1.09	36.66
PK	264.74M	30.19	46.00	-15.81	-15.80	3	Vertical	360	1.00	-	45.99	19.05	1.55	36.40
PK	408.3M	28.66	46.00	-17.34	-13.15	3	Vertical	360	1.00	-	41.81	21.49	1.94	36.58
PK	612M	25.78	46.00	-20.22	-9.77	3	Vertical	360	1.00	-	35.55	24.87	2.51	37.15
PK	976.72M	40.26	54.00	-13.74	-4.23	3	Vertical	360	1.00	-	44.49	29.95	3.12	37.30

SRD-4M_Nss1_1TX

914MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	132.82M	33.87	43.50	-9.63	-18.54	3	Horizontal	0	1.00	-	52.41	16.83	1.14	36.51
PK	251.16M	35.90	46.00	-10.10	-17.07	3	Horizontal	0	1.00	-	52.97	17.82	1.50	36.39
PK	324.88M	30.79	46.00	-15.21	-15.96	3	Horizontal	0	1.00	-	46.75	18.80	1.72	36.48
PK	408.3M	24.23	46.00	-21.77	-13.15	3	Horizontal	0	1.00	-	37.38	21.49	1.94	36.58
PK	612M	25.48	46.00	-20.52	-9.77	3	Horizontal	0	1.00	-	35.25	24.87	2.51	37.15
PK	992.24M	33.72	54.00	-20.28	-4.43	3	Horizontal	0	1.00	-	38.15	29.57	3.13	37.13



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
902-928MHz	-	-	-	-	-	-	-	-	-	-	-
SRD-1M_Nss1_1TX	Pass	AV	3.61602G	35.11	54.00	-18.89	3	Vertical	44	2.96	-
SRD-2M_Nss1_1TX	Pass	AV	3.62007G	35.00	54.00	-19.00	3	Vertical	40	3.00	-
SRD-4M_Nss1_1TX	Pass	AV	3.62407G	35.27	54.00	-18.73	3	Vertical	49	2.69	-



Result

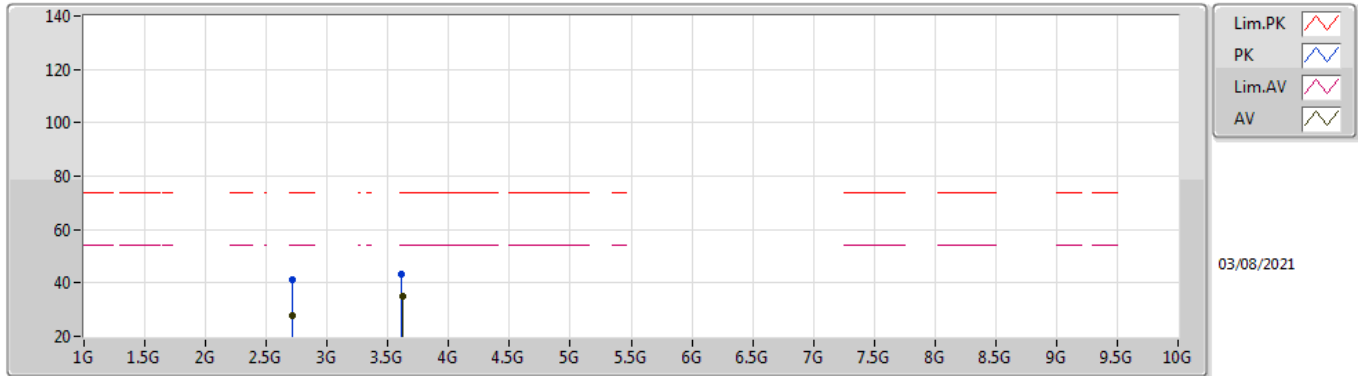
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD-1M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
903.5MHz	Pass	AV	2.71219G	27.75	54.00	-26.25	3	Vertical	329	1.50	-
903.5MHz	Pass	AV	3.61602G	35.11	54.00	-18.89	3	Vertical	44	2.96	-
903.5MHz	Pass	PK	2.70973G	41.22	74.00	-32.78	3	Vertical	329	1.50	-
903.5MHz	Pass	PK	3.61576G	43.45	74.00	-30.55	3	Vertical	44	2.96	-
903.5MHz	Pass	AV	2.7122G	27.66	54.00	-26.34	3	Horizontal	0	1.75	-
903.5MHz	Pass	AV	3.61594G	32.04	54.00	-21.96	3	Horizontal	80	1.02	-
903.5MHz	Pass	PK	2.71297G	40.55	74.00	-33.45	3	Horizontal	0	1.75	-
903.5MHz	Pass	PK	3.61612G	42.21	74.00	-31.79	3	Horizontal	80	1.02	-
914.5MHz	Pass	AV	2.74376G	27.27	54.00	-26.73	3	Vertical	3	1.50	-
914.5MHz	Pass	AV	3.66G	33.00	54.00	-21.00	3	Vertical	41	2.97	-
914.5MHz	Pass	PK	2.74259G	40.64	74.00	-33.36	3	Vertical	3	1.50	-
914.5MHz	Pass	PK	3.65986G	43.14	74.00	-30.86	3	Vertical	41	2.97	-
914.5MHz	Pass	AV	2.74437G	27.20	54.00	-26.80	3	Horizontal	24	1.50	-
914.5MHz	Pass	AV	3.65999G	30.24	54.00	-23.76	3	Horizontal	82	1.10	-
914.5MHz	Pass	PK	2.74421G	40.48	74.00	-33.52	3	Horizontal	24	1.50	-
914.5MHz	Pass	PK	3.66013G	41.44	74.00	-32.56	3	Horizontal	82	1.10	-
926.5MHz	Pass	AV	2.78149G	27.85	54.00	-26.15	3	Vertical	96	1.50	-
926.5MHz	Pass	AV	3.70797G	31.79	54.00	-22.21	3	Vertical	71	2.55	-
926.5MHz	Pass	PK	2.77993G	40.96	74.00	-33.04	3	Vertical	96	1.50	-
926.5MHz	Pass	PK	3.708G	42.21	74.00	-31.79	3	Vertical	71	2.55	-
926.5MHz	Pass	AV	2.78008G	27.85	54.00	-26.15	3	Horizontal	331	1.50	-
926.5MHz	Pass	AV	3.70794G	30.08	54.00	-23.92	3	Horizontal	72	2.91	-
926.5MHz	Pass	PK	2.78194G	40.78	74.00	-33.22	3	Horizontal	331	1.50	-
926.5MHz	Pass	PK	3.70805G	41.77	74.00	-32.23	3	Horizontal	72	2.91	-
SRD-2M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
905MHz	Pass	AV	2.71643G	28.05	54.00	-25.95	3	Vertical	26	1.33	-
905MHz	Pass	AV	3.62007G	35.00	54.00	-19.00	3	Vertical	40	3.00	-
905MHz	Pass	PK	2.71748G	40.74	74.00	-33.26	3	Vertical	26	1.33	-
905MHz	Pass	PK	3.62001G	44.84	74.00	-29.16	3	Vertical	40	3.00	-
905MHz	Pass	AV	2.71696G	28.11	54.00	-25.89	3	Horizontal	329	1.98	-
905MHz	Pass	AV	3.61998G	31.70	54.00	-22.30	3	Horizontal	82	1.03	-
905MHz	Pass	PK	2.71712G	40.76	74.00	-33.24	3	Horizontal	329	1.98	-
905MHz	Pass	PK	3.62015G	43.18	74.00	-30.82	3	Horizontal	82	1.03	-
915MHz	Pass	AV	2.74401G	27.70	54.00	-26.30	3	Vertical	111	1.38	-
915MHz	Pass	AV	3.66G	33.56	54.00	-20.44	3	Vertical	59	2.80	-
915MHz	Pass	PK	2.74646G	41.60	74.00	-32.40	3	Vertical	111	1.38	-
915MHz	Pass	PK	3.66016G	44.18	74.00	-29.82	3	Vertical	59	2.80	-
915MHz	Pass	AV	2.74638G	28.07	54.00	-25.93	3	Horizontal	2	1.50	-
915MHz	Pass	AV	3.65999G	30.45	54.00	-23.55	3	Horizontal	82	1.09	-
915MHz	Pass	PK	2.74443G	41.07	74.00	-32.93	3	Horizontal	2	1.50	-
915MHz	Pass	PK	3.66005G	41.71	74.00	-32.29	3	Horizontal	82	1.09	-
925MHz	Pass	AV	2.77341G	28.23	54.00	-25.77	3	Vertical	259	1.50	-
925MHz	Pass	AV	3.7G	32.38	54.00	-21.62	3	Vertical	39	2.89	-
925MHz	Pass	PK	2.77316G	40.83	74.00	-33.17	3	Vertical	259	1.50	-
925MHz	Pass	PK	3.7001G	43.54	74.00	-30.46	3	Vertical	39	2.89	-
925MHz	Pass	AV	2.77302G	27.99	54.00	-26.01	3	Horizontal	0	1.50	-
925MHz	Pass	AV	3.70011G	30.19	54.00	-23.81	3	Horizontal	83	1.07	-
925MHz	Pass	PK	2.77603G	41.00	74.00	-33.00	3	Horizontal	0	1.50	-
925MHz	Pass	PK	3.7002G	41.61	74.00	-32.39	3	Horizontal	83	1.07	-
SRD-4M_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
906MHz	Pass	AV	2.7184G	28.51	54.00	-25.49	3	Vertical	103	1.12	-
906MHz	Pass	AV	3.62407G	35.27	54.00	-18.73	3	Vertical	49	2.69	-
906MHz	Pass	PK	2.71952G	41.35	74.00	-32.65	3	Vertical	103	1.12	-
906MHz	Pass	PK	3.62392G	43.83	74.00	-30.17	3	Vertical	49	2.69	-
906MHz	Pass	AV	2.71775G	28.20	54.00	-25.80	3	Horizontal	41	1.50	-
906MHz	Pass	AV	3.62398G	31.54	54.00	-22.46	3	Horizontal	83	1.48	-
906MHz	Pass	PK	2.71769G	40.90	74.00	-33.10	3	Horizontal	41	1.50	-
906MHz	Pass	PK	3.62412G	41.85	74.00	-32.15	3	Horizontal	83	1.48	-
914MHz	Pass	AV	2.74427G	28.03	54.00	-25.97	3	Vertical	50	1.16	-
914MHz	Pass	AV	3.65595G	34.06	54.00	-19.94	3	Vertical	42	2.97	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
914MHz	Pass	PK	2.74375G	40.22	74.00	-33.78	3	Vertical	50	1.16	-
914MHz	Pass	PK	3.65598G	43.10	74.00	-30.90	3	Vertical	42	2.97	-
914MHz	Pass	AV	2.74449G	27.98	54.00	-26.02	3	Horizontal	282	2.19	-
914MHz	Pass	AV	3.65598G	30.86	54.00	-23.14	3	Horizontal	84	1.07	-
914MHz	Pass	PK	2.74407G	40.64	74.00	-33.36	3	Horizontal	282	2.19	-
914MHz	Pass	PK	3.65568G	41.34	74.00	-32.66	3	Horizontal	84	1.07	-
922MHz	Pass	AV	2.76367G	28.36	54.00	-25.64	3	Vertical	85	2.05	-
922MHz	Pass	AV	3.68798G	33.83	54.00	-20.17	3	Vertical	49	2.82	-
922MHz	Pass	PK	2.7675G	42.75	74.00	-31.25	3	Vertical	85	2.05	-
922MHz	Pass	PK	3.68804G	43.40	74.00	-30.60	3	Vertical	49	2.82	-
922MHz	Pass	AV	2.76423G	28.09	54.00	-25.91	3	Horizontal	0	1.71	-
922MHz	Pass	AV	3.688G	30.49	54.00	-23.51	3	Horizontal	74	2.94	-
922MHz	Pass	PK	2.76701G	40.52	74.00	-33.48	3	Horizontal	0	1.71	-
922MHz	Pass	PK	3.68802G	42.18	74.00	-31.82	3	Horizontal	74	2.94	-

SRD-1M_Nss1_1TX

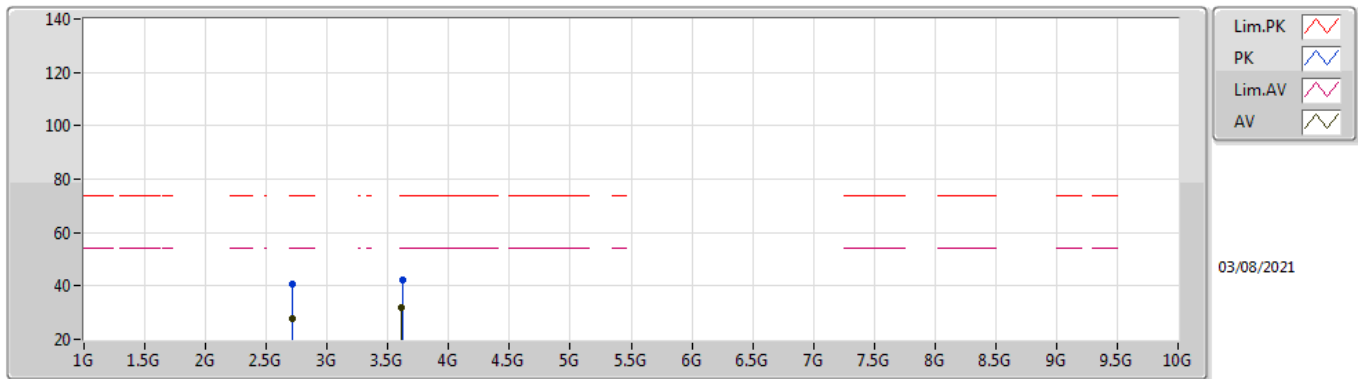
903.5MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.71219G	27.75	54.00	-26.25	-2.54	3	Vertical	329	1.50	-	30.29	28.02	4.37	34.93
AV	3.61602G	35.11	54.00	-18.89	-1.01	3	Vertical	44	2.96	-	36.12	29.10	4.80	34.91
PK	2.70973G	41.22	74.00	-32.78	-2.55	3	Vertical	329	1.50	-	43.77	28.02	4.36	34.93
PK	3.61576G	43.45	74.00	-30.55	-1.01	3	Vertical	44	2.96	-	44.46	29.10	4.80	34.91

SRD-1M_Nss1_1TX

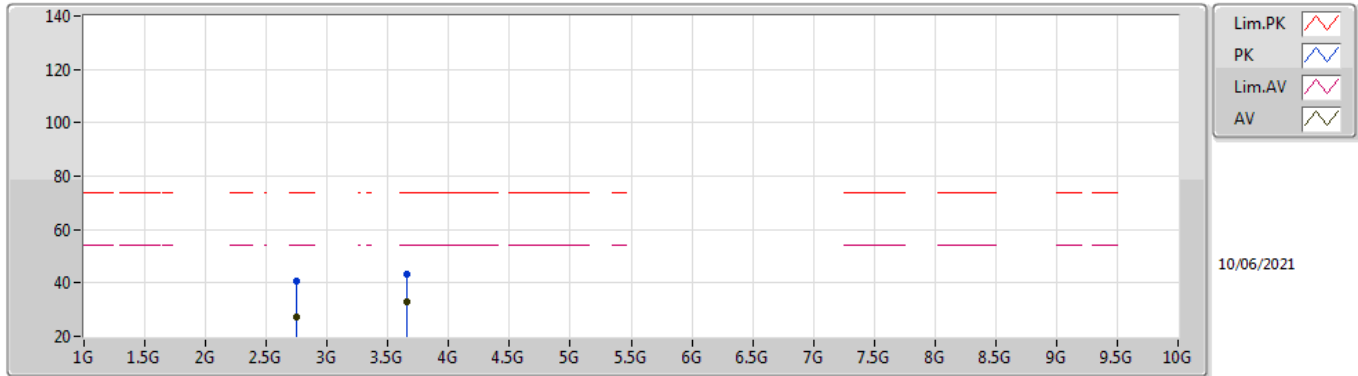
903.5MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.7122G	27.66	54.00	-26.34	-2.54	3	Horizontal	0	1.75	-	30.20	28.02	4.37	34.93
AV	3.61594G	32.04	54.00	-21.96	-1.01	3	Horizontal	80	1.02	-	33.05	29.10	4.80	34.91
PK	2.71297G	40.55	74.00	-33.45	-2.53	3	Horizontal	0	1.75	-	43.08	28.03	4.37	34.93
PK	3.61612G	42.21	74.00	-31.79	-1.01	3	Horizontal	80	1.02	-	43.22	29.10	4.80	34.91

SRD-1M_Nss1_1TX

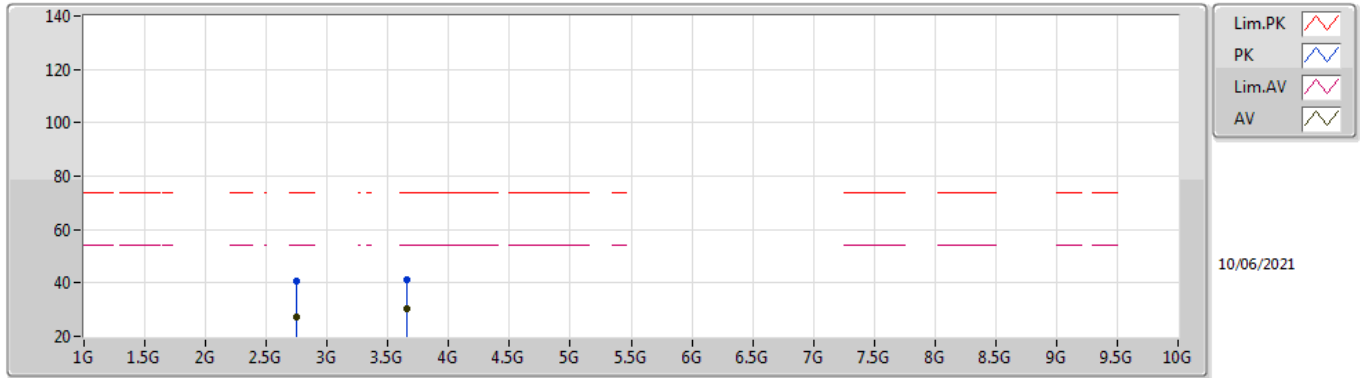
914.5MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74376G	27.27	54.00	-26.73	-2.46	3	Vertical	3	1.50	-	29.73	28.09	4.42	34.97
AV	3.66G	33.00	54.00	-21.00	-1.13	3	Vertical	41	2.97	-	34.13	29.10	4.80	35.03
PK	2.74259G	40.64	74.00	-33.36	-2.47	3	Vertical	3	1.50	-	43.11	28.09	4.41	34.97
PK	3.65986G	43.14	74.00	-30.86	-1.13	3	Vertical	41	2.97	-	44.27	29.10	4.80	35.03

SRD-1M_Nss1_1TX

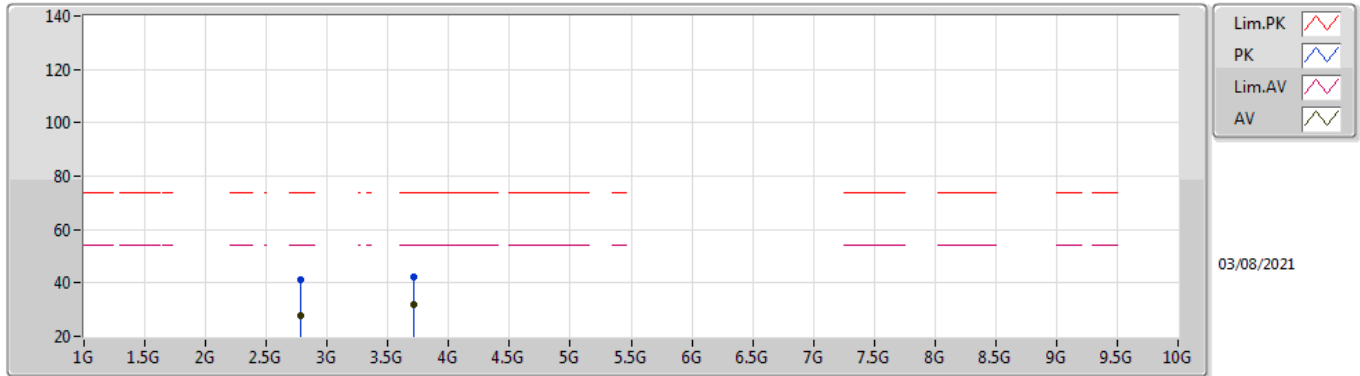
914.5MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74437G	27.20	54.00	-26.80	-2.46	3	Horizontal	24	1.50	-	29.66	28.09	4.42	34.97
AV	3.65999G	30.24	54.00	-23.76	-1.13	3	Horizontal	82	1.10	-	31.37	29.10	4.80	35.03
PK	2.74421G	40.48	74.00	-33.52	-2.46	3	Horizontal	24	1.50	-	42.94	28.09	4.42	34.97
PK	3.66013G	41.44	74.00	-32.56	-1.13	3	Horizontal	82	1.10	-	42.57	29.10	4.80	35.03

SRD-1M_Nss1_1TX

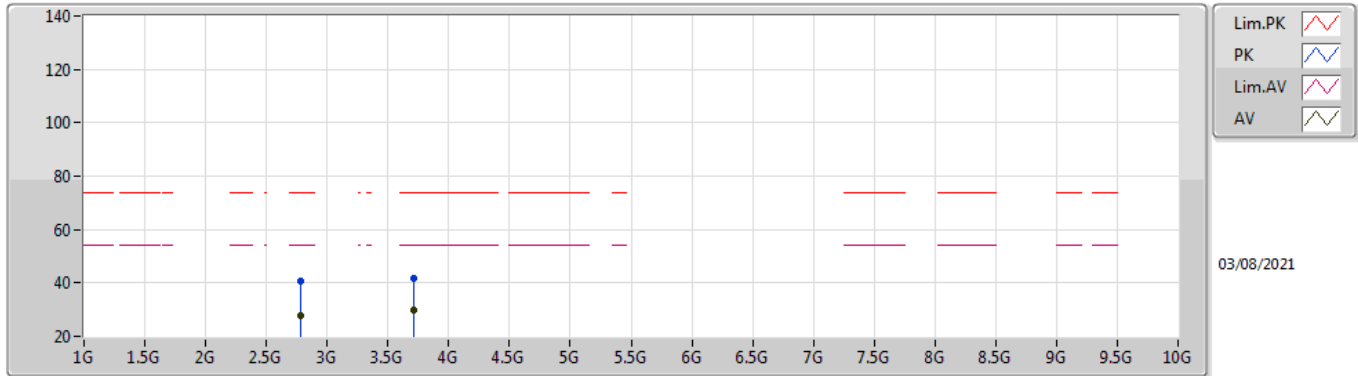
926.5MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.78149G	27.85	54.00	-26.15	-2.30	3	Vertical	96	1.50	-	30.15	28.16	4.47	34.93
AV	3.70797G	31.79	54.00	-22.21	-1.00	3	Vertical	71	2.55	-	32.79	29.12	4.80	34.92
PK	2.77993G	40.96	74.00	-33.04	-2.30	3	Vertical	96	1.50	-	43.26	28.16	4.47	34.93
PK	3.708G	42.21	74.00	-31.79	-1.00	3	Vertical	71	2.55	-	43.21	29.12	4.80	34.92

SRD-1M_Nss1_1TX

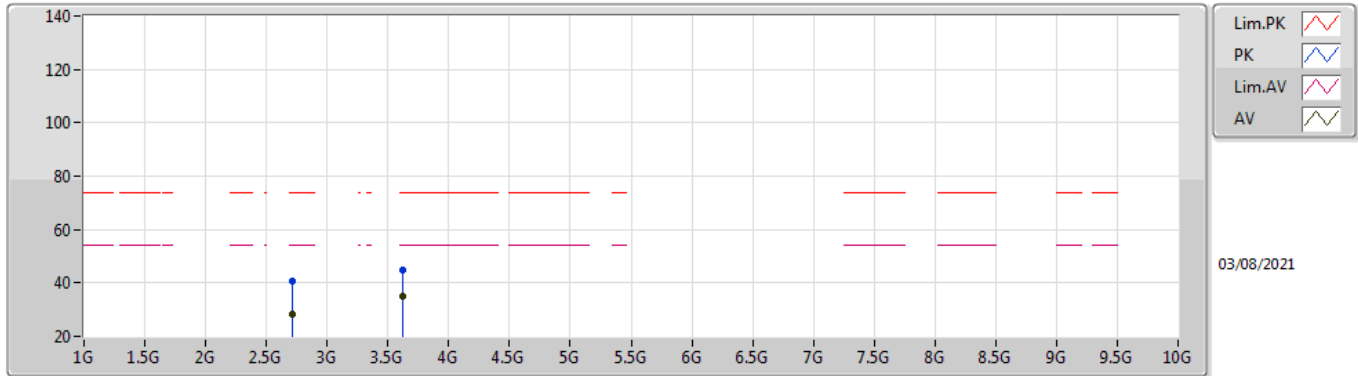
926.5MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.78008G	27.85	54.00	-26.15	-2.30	3	Horizontal	331	1.50	-	30.15	28.16	4.47	34.93
AV	3.70794G	30.08	54.00	-23.92	-1.00	3	Horizontal	72	2.91	-	31.08	29.12	4.80	34.92
PK	2.78194G	40.78	74.00	-33.22	-2.30	3	Horizontal	331	1.50	-	43.08	28.16	4.47	34.93
PK	3.70805G	41.77	74.00	-32.23	-1.00	3	Horizontal	72	2.91	-	42.77	29.12	4.80	34.92

SRD-2M_Nss1_1TX

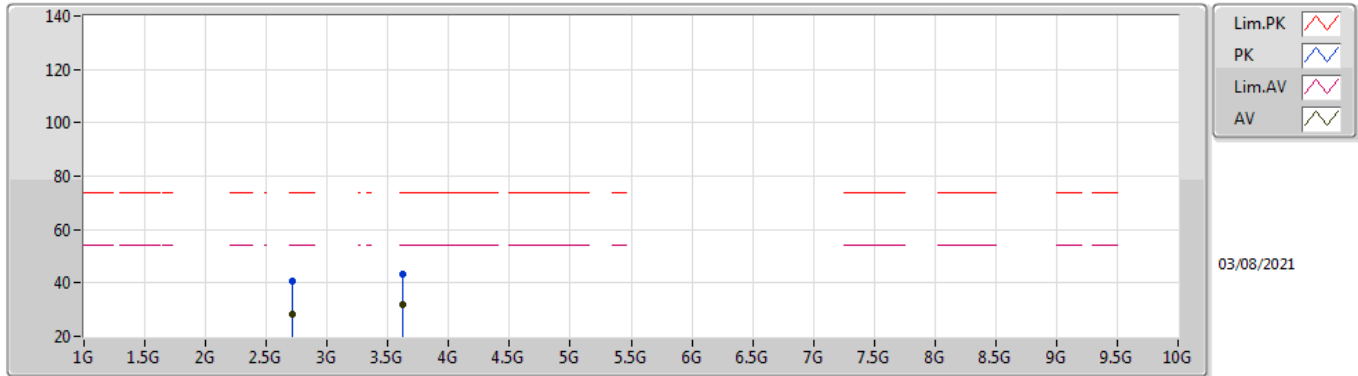
905MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.71643G	28.05	54.00	-25.95	-2.53	3	Vertical	26	1.33	-	30.58	28.03	4.37	34.93
AV	3.62007G	35.00	54.00	-19.00	-1.01	3	Vertical	40	3.00	-	36.01	29.10	4.80	34.91
PK	2.71748G	40.74	74.00	-33.26	-2.52	3	Vertical	26	1.33	-	43.26	28.03	4.38	34.93
PK	3.62001G	44.84	74.00	-29.16	-1.01	3	Vertical	40	3.00	-	45.85	29.10	4.80	34.91

SRD-2M_Nss1_1TX

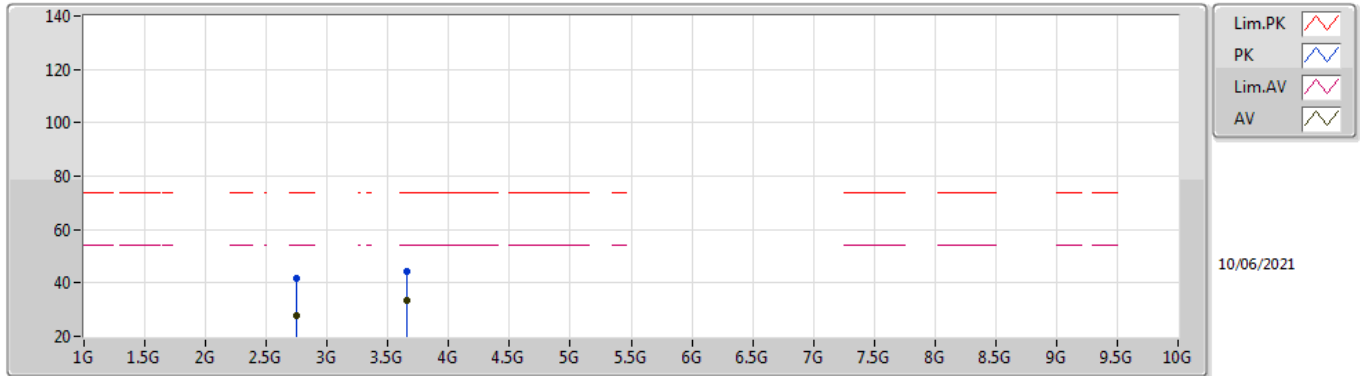
905MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.71696G	28.11	54.00	-25.89	-2.52	3	Horizontal	329	1.98	-	30.63	28.03	4.38	34.93
AV	3.61998G	31.70	54.00	-22.30	-1.01	3	Horizontal	82	1.03	-	32.71	29.10	4.80	34.91
PK	2.71712G	40.76	74.00	-33.24	-2.52	3	Horizontal	329	1.98	-	43.28	28.03	4.38	34.93
PK	3.62015G	43.18	74.00	-30.82	-1.01	3	Horizontal	82	1.03	-	44.19	29.10	4.80	34.91

SRD-2M_Nss1_1TX

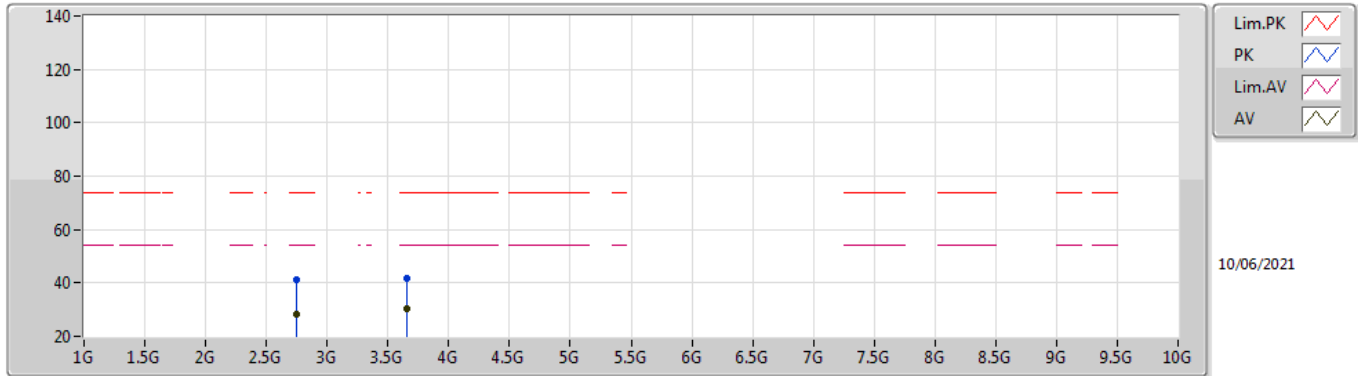
915MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74401G	27.70	54.00	-26.30	-2.46	3	Vertical	111	1.38	-	30.16	28.09	4.42	34.97
AV	3.66G	33.56	54.00	-20.44	-1.13	3	Vertical	59	2.80	-	34.69	29.10	4.80	35.03
PK	2.74646G	41.60	74.00	-32.40	-2.46	3	Vertical	111	1.38	-	44.06	28.09	4.42	34.97
PK	3.66016G	44.18	74.00	-29.82	-1.13	3	Vertical	59	2.80	-	45.31	29.10	4.80	35.03

SRD-2M_Nss1_1TX

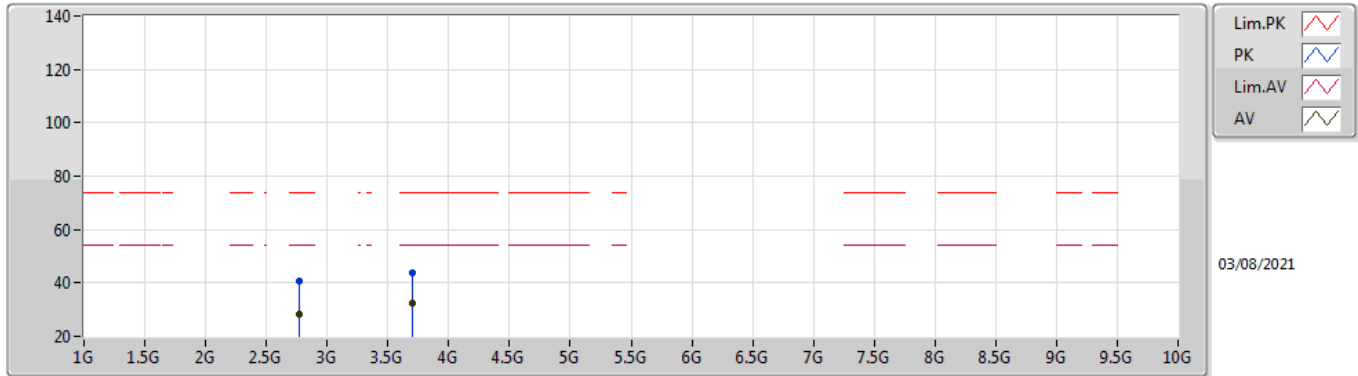
915MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74638G	28.07	54.00	-25.93	-2.46	3	Horizontal	2	1.50	-	30.53	28.09	4.42	34.97
AV	3.65999G	30.45	54.00	-23.55	-1.13	3	Horizontal	82	1.09	-	31.58	29.10	4.80	35.03
PK	2.74443G	41.07	74.00	-32.93	-2.46	3	Horizontal	2	1.50	-	43.53	28.09	4.42	34.97
PK	3.66005G	41.71	74.00	-32.29	-1.13	3	Horizontal	82	1.09	-	42.84	29.10	4.80	35.03

SRD-2M_Nss1_1TX

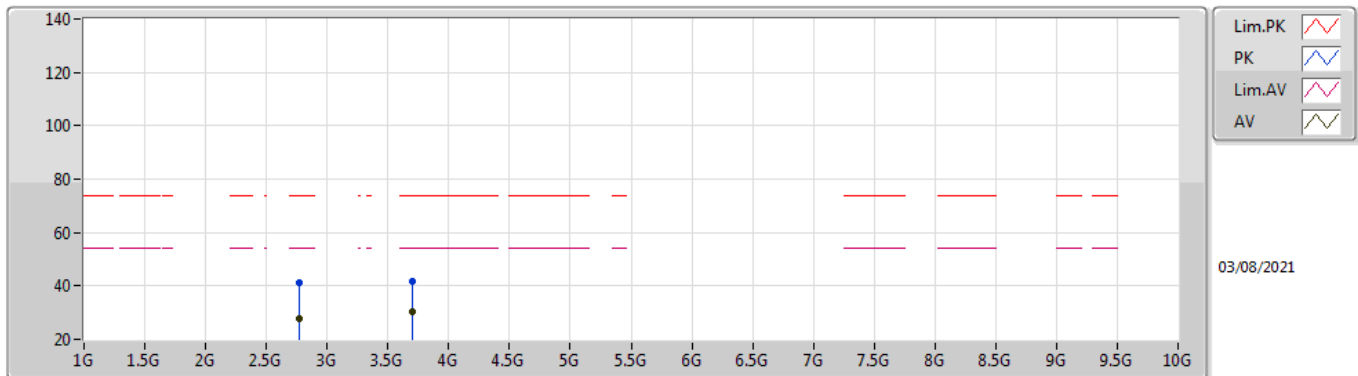
925MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.77341G	28.23	54.00	-25.77	-2.32	3	Vertical	259	1.50	-	30.55	28.15	4.46	34.93
AV	3.7G	32.38	54.00	-21.62	-1.02	3	Vertical	39	2.89	-	33.40	29.10	4.80	34.92
PK	2.77316G	40.83	74.00	-33.17	-2.32	3	Vertical	259	1.50	-	43.15	28.15	4.46	34.93
PK	3.7001G	43.54	74.00	-30.46	-1.02	3	Vertical	39	2.89	-	44.56	29.10	4.80	34.92

SRD-2M_Nss1_1TX

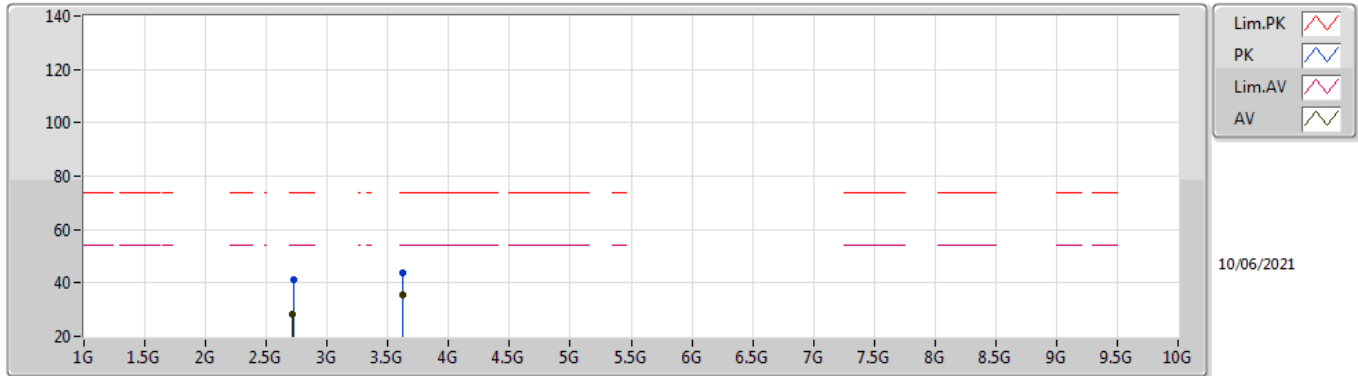
925MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.77302G	27.99	54.00	-26.01	-2.32	3	Horizontal	0	1.50	-	30.31	28.15	4.46	34.93
AV	3.70011G	30.19	54.00	-23.81	-1.02	3	Horizontal	83	1.07	-	31.21	29.10	4.80	34.92
PK	2.77603G	41.00	74.00	-33.00	-2.32	3	Horizontal	0	1.50	-	43.32	28.15	4.46	34.93
PK	3.7002G	41.61	74.00	-32.39	-1.02	3	Horizontal	83	1.07	-	42.63	29.10	4.80	34.92

SRD-4M_Nss1_1TX

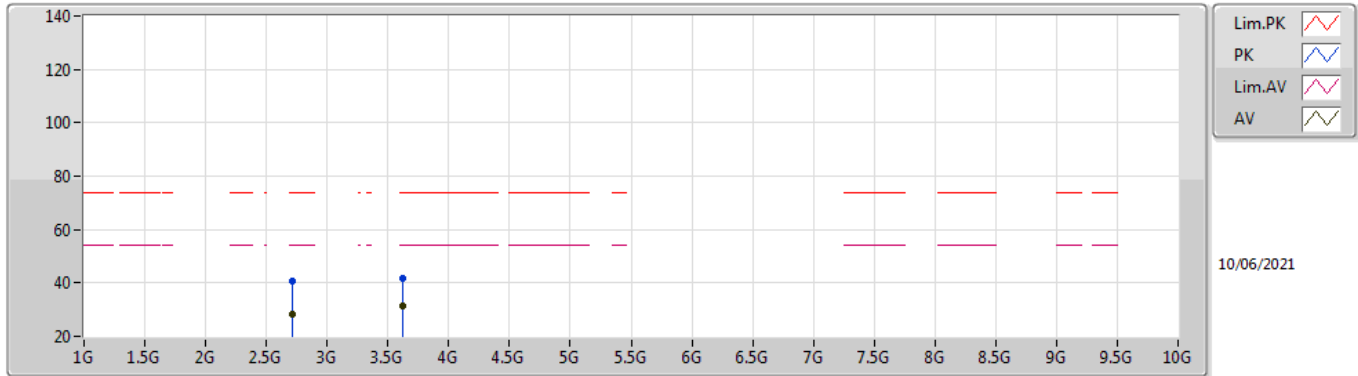
906MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.7184G	28.51	54.00	-25.49	-2.55	3	Vertical	103	1.12	-	31.06	28.04	4.38	34.97
AV	3.62407G	35.27	54.00	-18.73	-1.16	3	Vertical	49	2.69	-	36.43	29.10	4.80	35.06
PK	2.71952G	41.35	74.00	-32.65	-2.55	3	Vertical	103	1.12	-	43.90	28.04	4.38	34.97
PK	3.62392G	43.83	74.00	-30.17	-1.16	3	Vertical	49	2.69	-	44.99	29.10	4.80	35.06

SRD-4M_Nss1_1TX

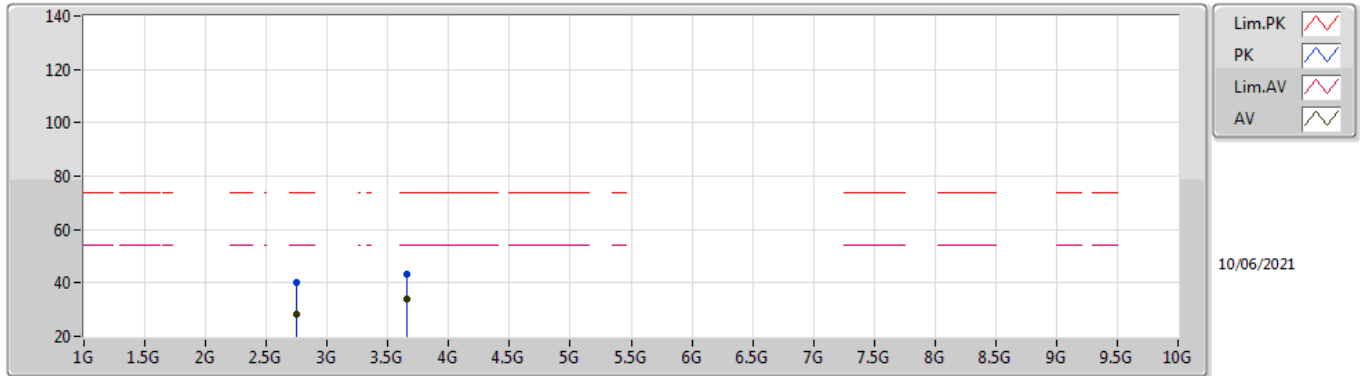
906MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.71775G	28.20	54.00	-25.80	-2.55	3	Horizontal	41	1.50	-	30.75	28.04	4.38	34.97
AV	3.62398G	31.54	54.00	-22.46	-1.16	3	Horizontal	83	1.48	-	32.70	29.10	4.80	35.06
PK	2.71769G	40.90	74.00	-33.10	-2.55	3	Horizontal	41	1.50	-	43.45	28.04	4.38	34.97
PK	3.62412G	41.85	74.00	-32.15	-1.16	3	Horizontal	83	1.48	-	43.01	29.10	4.80	35.06

SRD-4M_Nss1_1TX

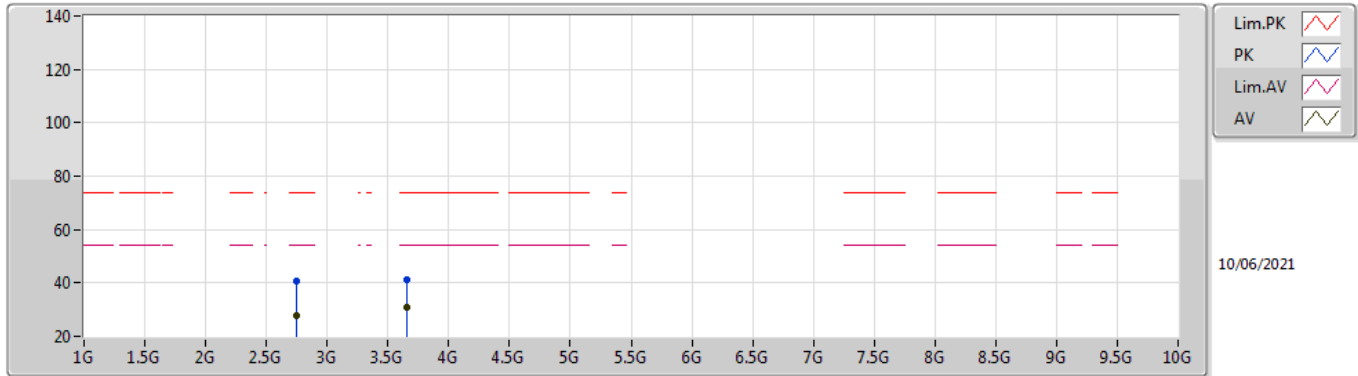
914MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74427G	28.03	54.00	-25.97	-2.46	3	Vertical	50	1.16	-	30.49	28.09	4.42	34.97
AV	3.65595G	34.06	54.00	-19.94	-1.14	3	Vertical	42	2.97	-	35.20	29.10	4.80	35.04
PK	2.74375G	40.22	74.00	-33.78	-2.46	3	Vertical	50	1.16	-	42.68	28.09	4.42	34.97
PK	3.65598G	43.10	74.00	-30.90	-1.14	3	Vertical	42	2.97	-	44.24	29.10	4.80	35.04

SRD-4M_Nss1_1TX

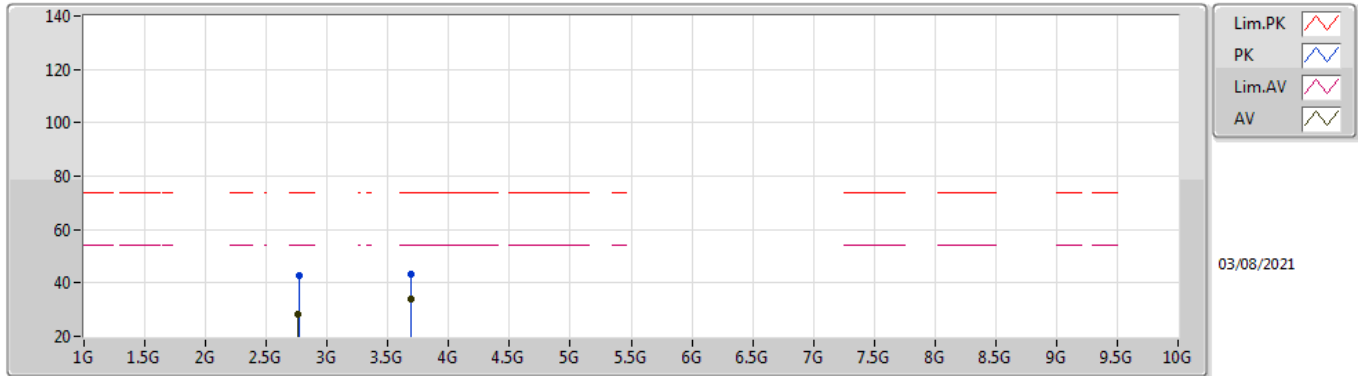
914MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74449G	27.98	54.00	-26.02	-2.46	3	Horizontal	282	2.19	-	30.44	28.09	4.42	34.97
AV	3.65598G	30.86	54.00	-23.14	-1.14	3	Horizontal	84	1.07	-	32.00	29.10	4.80	35.04
PK	2.74407G	40.64	74.00	-33.36	-2.46	3	Horizontal	282	2.19	-	43.10	28.09	4.42	34.97
PK	3.65568G	41.34	74.00	-32.66	-1.14	3	Horizontal	84	1.07	-	42.48	29.10	4.80	35.04

SRD-4M_Nss1_1TX

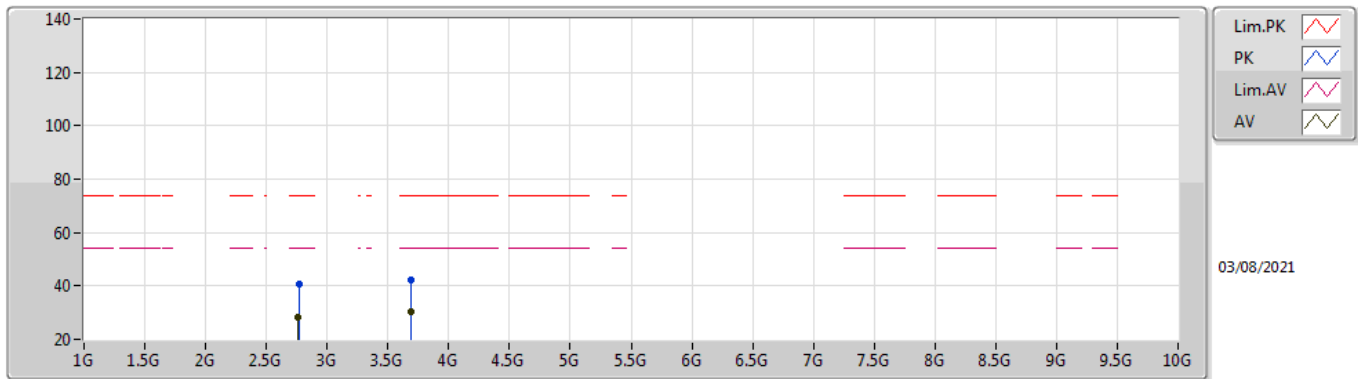
922MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.76367G	28.36	54.00	-25.64	-2.35	3	Vertical	85	2.05	-	30.71	28.13	4.45	34.93
AV	3.68798G	33.83	54.00	-20.17	-1.02	3	Vertical	49	2.82	-	34.85	29.10	4.80	34.92
PK	2.7675G	42.75	74.00	-31.25	-2.34	3	Vertical	85	2.05	-	45.09	28.14	4.45	34.93
PK	3.68804G	43.40	74.00	-30.60	-1.02	3	Vertical	49	2.82	-	44.42	29.10	4.80	34.92

SRD-4M_Nss1_1TX

922MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.76423G	28.09	54.00	-25.91	-2.35	3	Horizontal	0	1.71	-	30.44	28.13	4.45	34.93
AV	3.688G	30.49	54.00	-23.51	-1.02	3	Horizontal	74	2.94	-	31.51	29.10	4.80	34.92
PK	2.76701G	40.52	74.00	-33.48	-2.35	3	Horizontal	0	1.71	-	42.87	28.13	4.45	34.93
PK	3.68802G	42.18	74.00	-31.82	-1.02	3	Horizontal	74	2.94	-	43.20	29.10	4.80	34.92