



FCC Radio Test Report

FCC ID : YL6-143V716
Equipment : Alarm.com Outdoor 1080p Wi-Fi Video Camera
Brand Name : ALARM.COM
Model Name : ADC-V716
Applicant : Alarm.com Incorporated
8281 Greensboro Drive, Suite 100, Tysons, VA
22102, United States
Manufacturer : Alarm.com Incorporated
8281 Greensboro Drive, Suite 100, Tysons, VA
22102, United States
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 05, 2026, and testing was started from Jun. 05, 2026 and completed on Jul. 16, 2026. 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 C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 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: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

[illegible]



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(a)	20dB Bandwidth	PASS	-
3.3	15.247(a)	Carrier Frequency Separation	PASS	-
3.4	15.247(b)	Maximum Conducted Output Power	PASS	-
3.5	15.247(e)	Power Spectral Density	PASS	-
3.6	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	PASS	-
3.7	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.8	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.9	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

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

Comments and Explanations:

None

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Modulation	Ch. Frequency (MHz)	Channel Number
902-928 MHz	LoRa (125k)	902.3-914.9	64
902-928 MHz	LoRa (500k)	903-927.5	16

Band	Mode	BWch (MHz)	Nant
902-928MHz	LoRa (125kHz)	0.125	1TX
902-928MHz	LoRa (500kHz)	0.5	1TX

DTS

Channel list (MHz)			
903	911	924.5	927.5
904.6	912.6	925.1	-
906.2	914.2	925.7	-
907.8	923.3	926.3	-
909.4	923.9	926.9	-

FHSS

Channel list (MHz)						
902.3	904.3	906.3	908.3	910.3	912.3	914.3
902.5	904.5	906.5	908.5	910.5	912.5	914.5
902.7	904.7	906.7	908.7	910.7	912.7	914.7
902.9	904.9	906.9	908.9	910.9	912.9	914.9
903.1	905.1	907.1	909.1	911.1	913.1	-
903.3	905.3	907.3	909.3	911.3	913.3	-
903.5	905.5	907.5	909.5	911.5	913.5	-
903.7	905.7	907.7	909.7	911.7	913.7	-
903.9	905.9	907.9	909.9	911.9	913.9	-
904.1	906.1	908.1	910.1	912.1	914.1	-

**Hybrid**

Channel list (MHz)						
902.3	904.3	906.3	908.3	910.3	912.3	914.3
902.5	904.5	906.5	908.5	910.5	912.5	914.5
902.7	904.7	906.7	908.7	910.7	912.7	914.7
902.9	904.9	906.9	908.9	910.9	912.9	914.9
903.1	905.1	907.1	909.1	911.1	913.1	-
903.3	905.3	907.3	909.3	911.3	913.3	-
903.5	905.5	907.5	909.5	911.5	913.5	-
903.7	905.7	907.7	909.7	911.7	913.7	-
903.9	905.9	907.9	909.9	911.9	913.9	-
904.1	906.1	908.1	910.1	912.1	914.1	-

Note:

- ♦ 902-928 MHz Band uses as a hybrid system using DTS & FHSS & Hybrid.
- ♦ LoRa (125kHz) uses FHSS & Hybrid.
- ♦ LoRa (500kHz) uses DTS.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support	Source
1	1	INPAQ	WA-F-LB-02-399	dipole	I-Pex	2.4G+5G	1
2	2	INPAQ	WA-F-LB-01-138	dipole	I-Pex	2.4G+5G+BT	
3	1	INPAQ	WA-F-LORA-05-001	monopole	I-Pex	Lora	

Ant.	Port	Gain (dBi)						
		2.4G	5G				BT	Lora
			UNII-1	UNII-2A	UNII-2C	UNII-3		
1	1	3.78	3.82	3.81	3.39	3.52	-	-
2	2	3.89	3.65	3.85	3.69	3.74	3.89	-
3	1	-	-	-	-	-	-	1.69

Note 1: The EUT has three antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For BT function:

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

Ant. 2 (port 2) could transmit/receive.

For Lora function:

For Lora mode (1TX/1RX)

Ant. 3 (port 1) could transmit/receive.

Note 2: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

**1.1.3 Type of EUT**

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

1.1.4 Test Signal Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
LoRa (125kHz)	1	0	100.003m	10Hz (DC>=0.98)
LoRa (500kHz)	0.896	0.48	18.084m	100

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 C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024

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

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ 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	Lego Lin	20.6~23.5°C / 53~58%	14/Jul/2026
RF Conducted	TH07-HY	Yulin Chen	24.2~25°C / 55~58%	03/Jul/2026~16/Jul/2026
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH25-HY	Henry Ho	21.5~24.6°C / 53~57%	05/Jun/2026~09/Jul/2026
Radiated (Co-location)	03CH25-HY	Rian Chung	21.6~24.3°C / 54~58%	09/Jul/2026~10/Jul/2026

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
AC Power-line Conducted Emissions	3.24 dB	Confidence levels of 95%
Conducted Output Power	1.12 dB	Confidence levels of 95%
Bandwidth	0.07 MHz	Confidence levels of 95%
Conducted Emission	1.12 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	1.76 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.38 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	4.94 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	4.92 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted-DTS	Abbreviation	Remark
TX-DTS	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	PuTTY Release 0.72
-----------------------	--------------------

Mode	Power Setting
LoRa (500kHz)	-
903MHz	Default Setting
914.2MHz	Default Setting
927.5MHz	Default Setting
LoRa (125kHz)	-
902.3MHz	Default Setting
908.7MHz	Default Setting
914.9MHz	Default Setting
LoRa (125kHz)	-
902.3MHz	Default Setting
908.7MHz	Default Setting
914.9MHz	Default Setting

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	RF Output Power, 20dB Bandwidth, Carrier Frequency Separation (ChS) Number of Hopping Frequencies (N), Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
	☒ Non-adaptive frequency hopping systems (Non-AFH) ☒ adaptive frequency hopping systems (AFH)
Non-AFH Mode configuration was found to be the worst case and measured during the test.	

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz + LORA
2	WLAN 5GHz + LORA
Refer to Sporton Test Report No.: FA660507 for Co-location RF Exposure Evaluation and Appendix I for Radiated Emission Co-location.	

2.4 Accessories

Accessories				
AC Adapter	Brand Name	PYS High-Tech Co., LTD	Model Name	PYS-12UP120100U
	Manufacturer	PYS High-Tech Co., LTD	SN	-
	Power Rating	I/P: 100-240Vac, 0.5 A, O/P: 12Vdc, 1 A		
	Power Cord	3 meter, non-shielded cable, w/o ferrite core		

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

2.5 Support Equipment

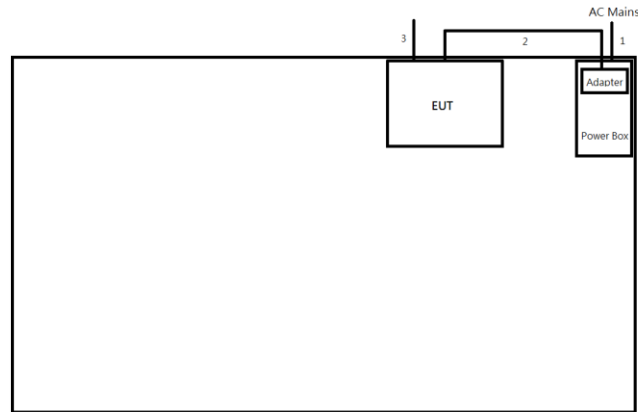
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture Cable	-	-	-	Provided by Customer

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture Cable	-	-	-	Provided by Customer

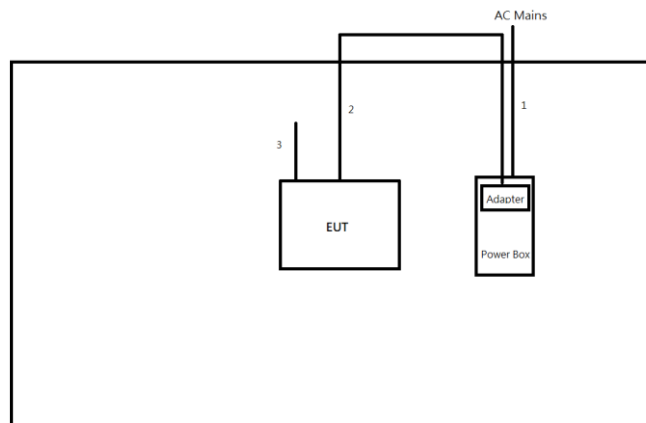
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.0	-
2	DC Power Cable	No	3.0	-
3	Fixture Cable	No	0.2	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	3.0	-
3	Fixture Cable	No	0.2	-

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

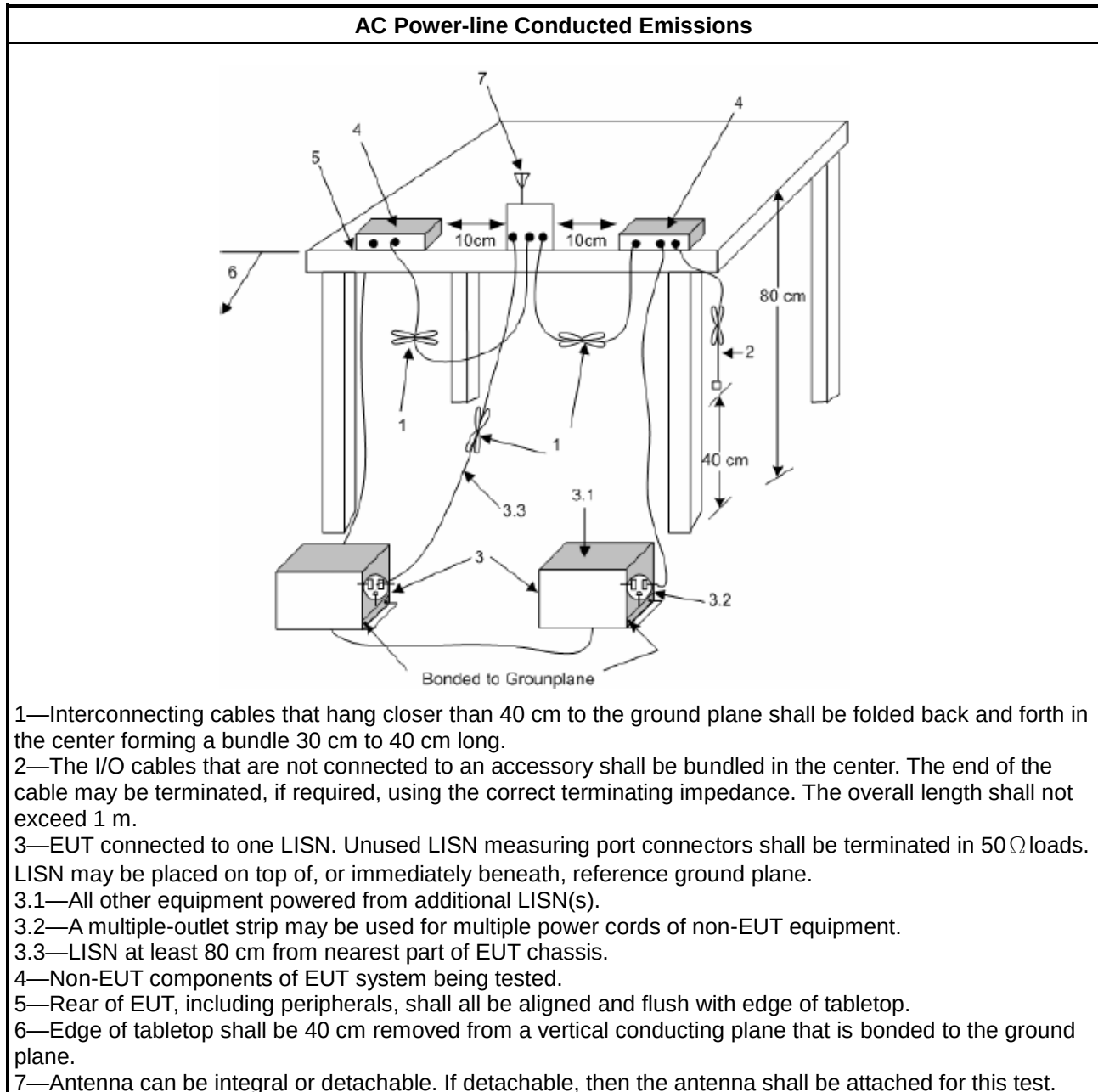
Test Method
☒ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

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:	
▪	6 dB bandwidth $\geq$ 500 kHz.

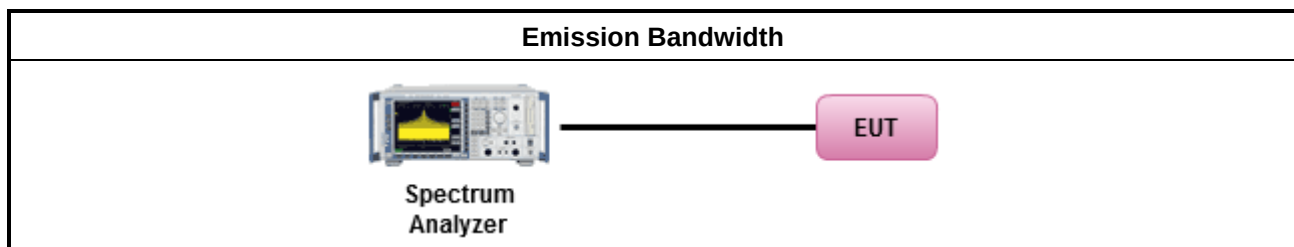
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	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 20dB Bandwidth and Carrier Frequency Separation

3.3.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems
902-928 MHz Band:
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation

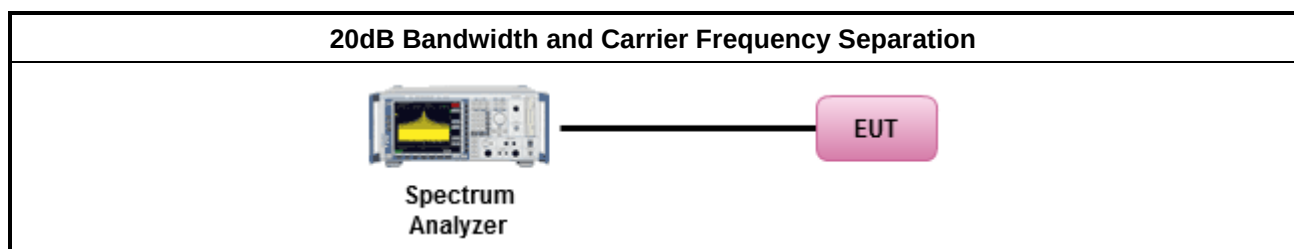
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10, clause 6.9.2 for 20 dB bandwidth measurement.
☒ Refer as ANSI C63.10, clause 7.8.2 for carrier frequency separation measurement.

3.3.4 Test Setup



3.3.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.3.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.4 Maximum Conducted Output Power

3.4.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
902-928 MHz Band:	
	DTS system; Power 30dBm
	$N \geq 50$ and hybrid system; Power 30dBm; EIRP 36dBm
	$50 > N \geq 25$; Power 24dBm; EIRP 30dBm
N: Number of Hopping Frequencies	

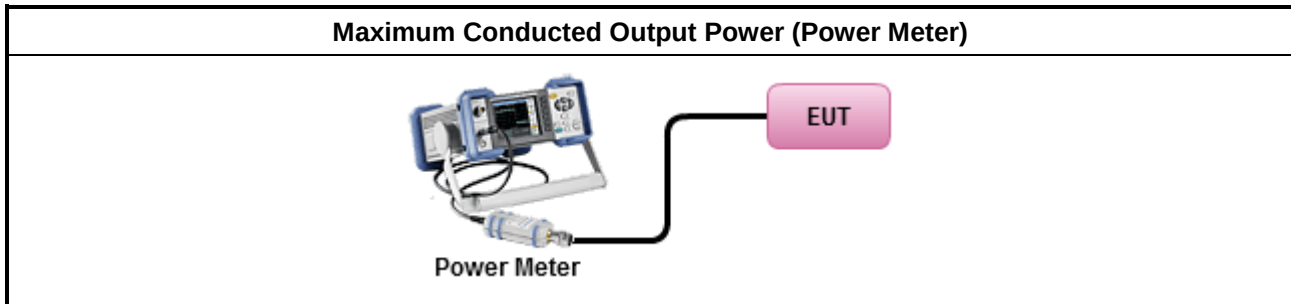
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW $\geq$ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 integrated band power method.
☒	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.2 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC 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]) $EIRP_{total} = P_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.5 Power Spectral Density

3.5.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

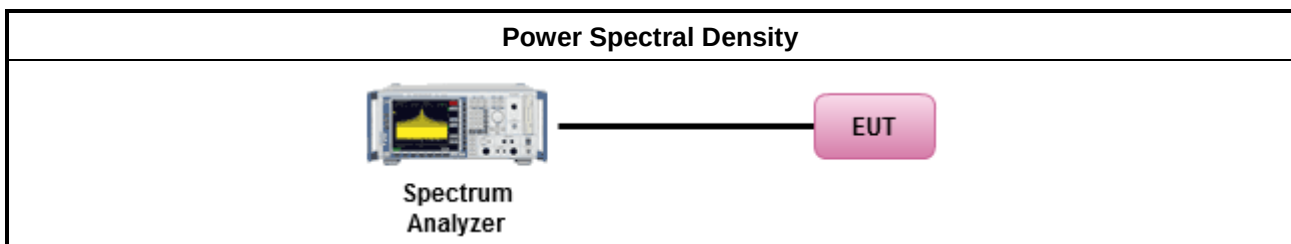
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
▪	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).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as FCC 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.

3.5.4 Test Setup



3.5.5 Test Result of Power Spectral Density

Refer as Appendix D

3.6 Number of Hopping Frequencies and Hopping Bandedge

3.6.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
902-928 MHz Band:	
	ChS $\geq$ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	ChS $\geq$ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
Note : 1. ChS : Hopping Channel Separation 2. There is no minimum number of hopping channels associated with this type of hybrid system.	

3.6.2 Hopping Bandedge Limit

Refer clause 3.8.1 and clause 3.9.1

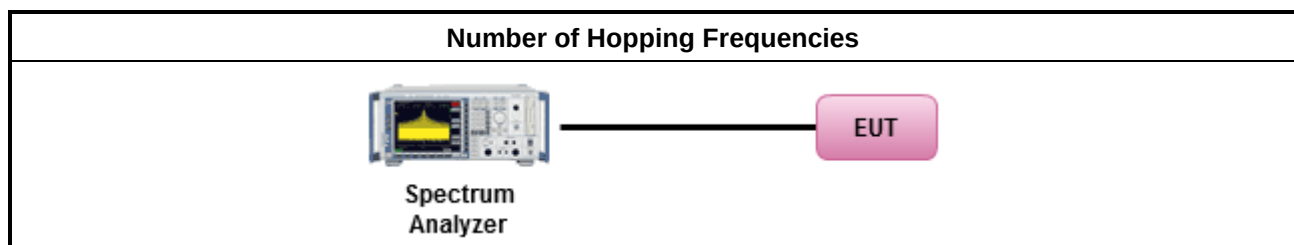
3.6.3 Measuring Instruments

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

3.6.4 Test Procedures

Test Method
☒ Refer as ANSI C63.10, clause 7.8.3 for number of hopping frequencies measurement.
☒ Refer as ANSI C63.10, clause 7.8.7.2 for hopping frequencies Bandedge measurement.

3.6.5 Test Setup



3.6.6 Test Result of Number of Hopping Frequencies

Refer as Appendix E

3.6.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix E

3.7 Time of Occupancy (Dwell Time)

3.7.1 Time of Occupancy (Dwell Time) Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$; 0.4s in 20s period
	▪ $50 > N \geq 25$; 0.4s in 10s period
N: Number of Hopping Frequencies	

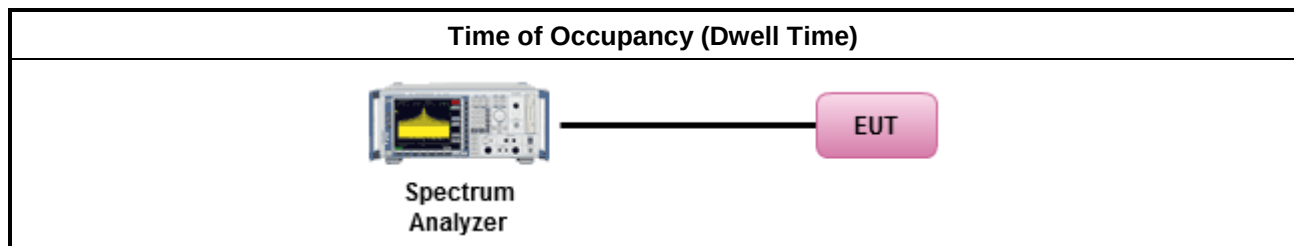
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10, clause 7.8.4 for dwell time measurement.

3.7.4 Test Setup



3.7.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix F

3.8 Emissions in Non-restricted Frequency Bands

3.8.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

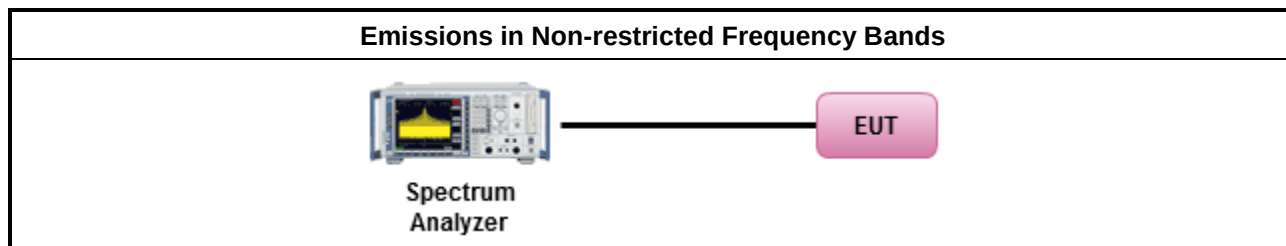
3.8.2 Measuring Instruments

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

3.8.3 Test Procedures

Test Method
Refer as ANSI C63.10, clause 7.8.7 for unwanted emissions into non-restricted bands.

3.8.4 Test Setup



3.8.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix G

3.9 Emissions in Restricted Frequency Bands

3.9.1 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.

3.9.2 Measuring Instruments

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

3.9.3 Test Procedures

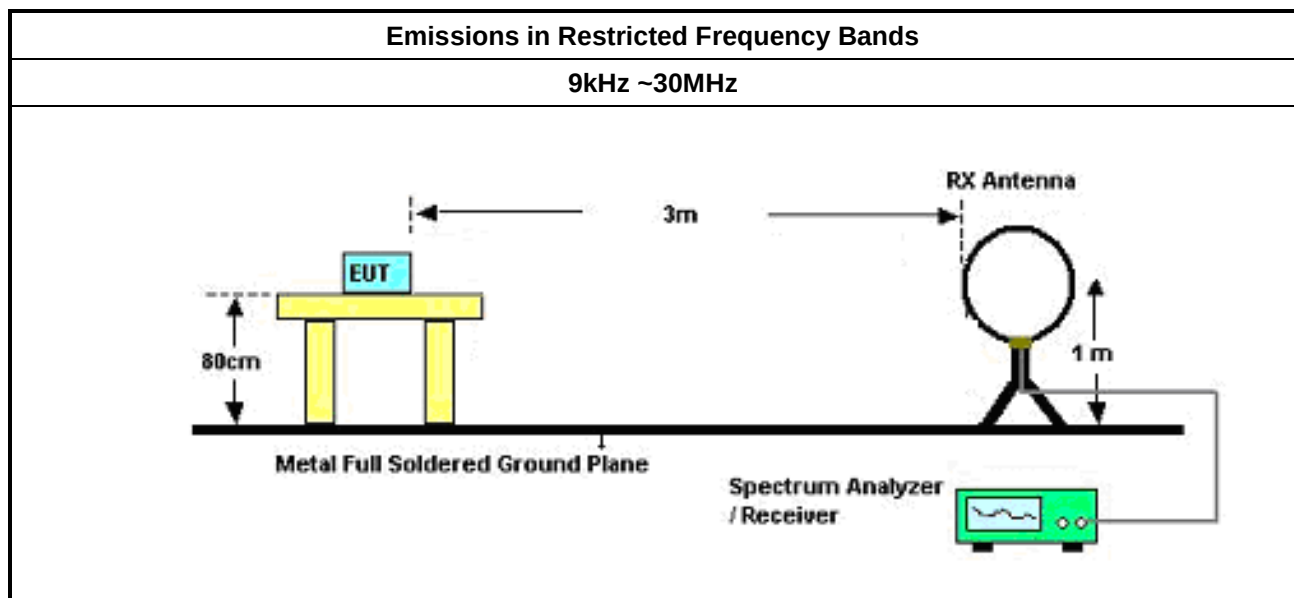
Test Method	
The average emission levels shall be measured in [hopping duty factor].	
Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as ANSI C63.10, clause 4.1.5.2.1 QP value.
	Refer as ANSI C63.10, clause 4.1.5.2.2 measurement procedure peak.
	Refer as ANSI C63.10, clause 4.1.5.2.5 average value of hopping pulsed emissions.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

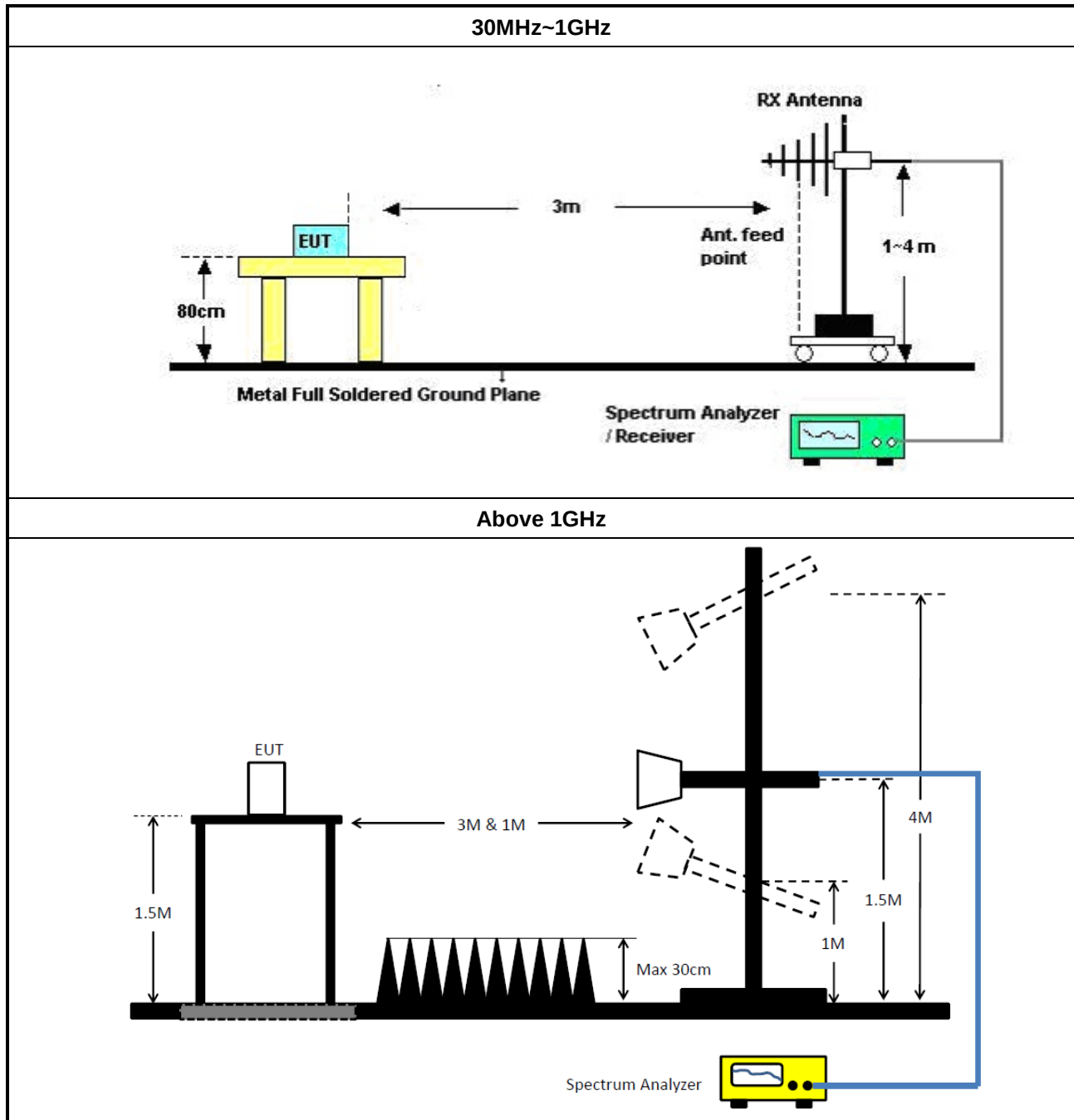
3.9.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.9.5 Test Setup





3.9.6 Test Result of Emissions in Restricted Frequency Bands (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.

3.9.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix H



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	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	05/Jun/2026	04/Jun/2027
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101578	9kHz ~ 30MHz	24/Aug/2025	23/Aug/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	25/Feb/2026	24/Feb/2027
Pulse Limiter	SCHWARZBECK	VTSD 9561F-F	9561-F041	9kHz ~ 30MHz	27/Oct/2025	26/Oct/2026
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required.

Instrument for Conducted Test

Instrument	Manufacturer/ Brand Name	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	05/Jan/2026	04/Jan/2027
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	29/Oct/2025	28/Oct/2026
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	17/Dec/2025	16/Dec/2026
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2025	16/Dec/2026
SENSE-15247_FS	Sporton	V5.11.27	N/A	N/A	N/A	N/A

**Instrument for Radiated Test (03CH25-HY)**

Instrument	Manufacturer/ Brand Name	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	30MHz~1GHz 3m	18/Jul/2025	17/Jul/2026
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	07/Aug/2025	06/Aug/2026
ESR7 EMI Test Receiver	ROHDE & SCHWARZ	ESR7	102956	9kHz~3.6GHz	26/Aug/2025	25/Aug/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	19/Nov/2025	18/Nov/2026
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2026	15/Mar/2027
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	22/May/2026	21/May/2027
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	29/Jun/2026	28/Jun/2027
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	07/Oct/2025	06/Oct/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	22/Apr/2026	21/Apr/2027
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	10/Feb/2026	09/Feb/2027
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	20/May/2026	19/May/2027
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz~18GHz	20/May/2026	19/May/2027
Preamplifier	EMCI	EM01G18G	060940	1GHz~18GHz	21/Oct/2025	20/Oct/2026
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	27/Apr/2026	26/Apr/2027
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	20/May/2026	19/May/2027
SENSE-15247-FS	Sporton	V5.11.24	NA	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	07/Aug/2025	06/Aug/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	19/Nov/2025	18/Nov/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	29/Jun/2026	28/Jun/2027
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	07/Oct/2025	06/Oct/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	10/Feb/2026	09/Feb/2027
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz~18GHz	20/May/2026	19/May/2027
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	27/Apr/2026	26/Apr/2027
SENSE-EMI	Sporton	V5.11.6	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

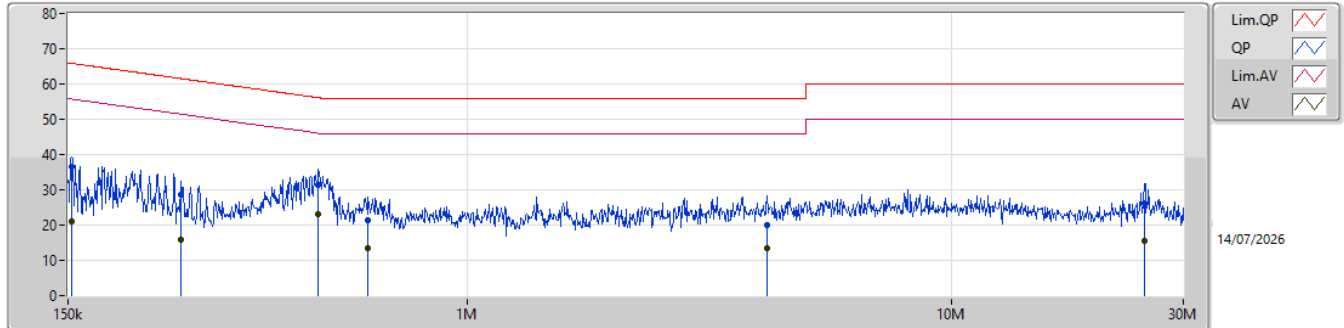
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	490.91k	36.49	46.15	-9.66	Neutral

Result

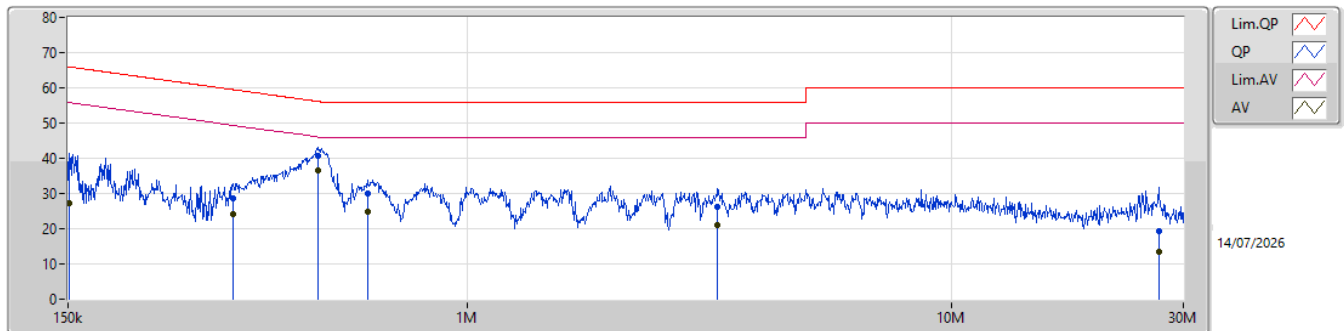
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	153.02k	36.65	65.83	-29.18	Line
Mode 1	Pass	AV	153.02k	21.06	55.83	-34.77	Line
Mode 1	Pass	QP	257.12k	28.70	61.53	-32.83	Line
Mode 1	Pass	AV	257.12k	15.77	51.53	-35.76	Line
Mode 1	Pass	QP	492.88k	31.46	56.11	-24.65	Line
Mode 1	Pass	AV	492.88k	23.21	46.11	-22.90	Line
Mode 1	Pass	QP	623.77k	21.37	56.00	-34.63	Line
Mode 1	Pass	AV	623.77k	13.31	46.00	-32.69	Line
Mode 1	Pass	QP	4.16M	19.85	56.00	-36.15	Line
Mode 1	Pass	AV	4.16M	13.62	46.00	-32.38	Line
Mode 1	Pass	QP	24.95M	26.09	60.00	-33.91	Line
Mode 1	Pass	AV	24.95M	15.63	50.00	-34.37	Line
Mode 1	Pass	QP	150.6k	38.26	65.96	-27.70	Neutral
Mode 1	Pass	AV	150.6k	27.24	55.96	-28.72	Neutral
Mode 1	Pass	QP	329.33k	28.45	59.46	-31.01	Neutral
Mode 1	Pass	AV	329.33k	24.01	49.46	-25.45	Neutral
Mode 1	Pass	QP	490.91k	40.73	56.15	-15.42	Neutral
Mode 1	Pass	AV	490.91k	36.49	46.15	-9.66	Neutral
Mode 1	Pass	QP	621.29k	29.95	56.00	-26.05	Neutral
Mode 1	Pass	AV	621.29k	24.73	46.00	-21.27	Neutral
Mode 1	Pass	QP	3.28M	26.26	56.00	-29.74	Neutral
Mode 1	Pass	AV	3.28M	21.00	46.00	-25.00	Neutral
Mode 1	Pass	QP	26.7M	19.39	60.00	-40.61	Neutral
Mode 1	Pass	AV	26.7M	13.48	50.00	-36.52	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	153.02k	36.65	65.83	-29.18	19.79	Line	16.86	9.64	0.17	9.98								
AV	153.02k	21.06	55.83	-34.77	19.79	Line	1.27	9.64	0.17	9.98								
QP	257.12k	28.70	61.53	-32.83	19.77	Line	8.93	9.64	0.12	10.01								
AV	257.12k	15.77	51.53	-35.76	19.77	Line	-4.00	9.64	0.12	10.01								
QP	492.88k	31.46	56.11	-24.65	19.74	Line	11.72	9.63	0.09	10.02								
AV	492.88k	23.21	46.11	-22.90	19.74	Line	3.47	9.63	0.09	10.02								
QP	623.77k	21.37	56.00	-34.63	19.76	Line	1.61	9.63	0.09	10.04								
AV	623.77k	13.31	46.00	-32.69	19.76	Line	-6.45	9.63	0.09	10.04								
QP	4.16M	19.85	56.00	-36.15	19.83	Line	0.02	9.66	0.13	10.04								
AV	4.16M	13.62	46.00	-32.38	19.83	Line	-6.21	9.66	0.13	10.04								
QP	24.95M	26.09	60.00	-33.91	19.83	Line	6.26	9.52	0.44	9.87								
AV	24.95M	15.63	50.00	-34.37	19.83	Line	-4.20	9.52	0.44	9.87								

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	150.6k	38.26	65.96	-27.70	19.79	Neutral	18.47	9.64	0.17	9.98								
AV	150.6k	27.24	55.96	-28.72	19.79	Neutral	7.45	9.64	0.17	9.98								
QP	329.33k	28.45	59.46	-31.01	19.74	Neutral	8.71	9.63	0.11	10.00								
AV	329.33k	24.01	49.46	-25.45	19.74	Neutral	4.27	9.63	0.11	10.00								
QP	490.91k	40.73	56.15	-15.42	19.74	Neutral	20.99	9.63	0.09	10.02								
AV	490.91k	36.49	46.15	-9.66	19.74	Neutral	16.75	9.63	0.09	10.02								
QP	621.29k	29.95	56.00	-26.05	19.76	Neutral	10.19	9.63	0.09	10.04								
AV	621.29k	24.73	46.00	-21.27	19.76	Neutral	4.97	9.63	0.09	10.04								
QP	3.28M	26.26	56.00	-29.74	19.78	Neutral	6.48	9.66	0.10	10.02								
AV	3.28M	21.00	46.00	-25.00	19.78	Neutral	1.22	9.66	0.10	10.02								
QP	26.7M	19.39	60.00	-40.61	20.01	Neutral	-0.62	9.68	0.40	9.93								
AV	26.7M	13.48	50.00	-36.52	20.01	Neutral	-6.53	9.68	0.40	9.93								



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
LoRa (125kHz)	138.188k	125.562k	126KF1D	134.062k	124.938k

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	Inf	138.188k	125.406k
908.7MHz	Pass	Inf	134.062k	125.562k
914.9MHz	Pass	Inf	134.75k	124.938k

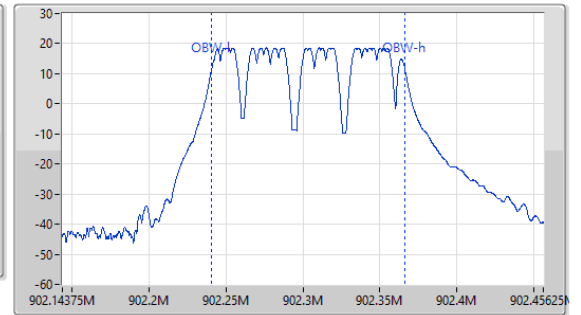
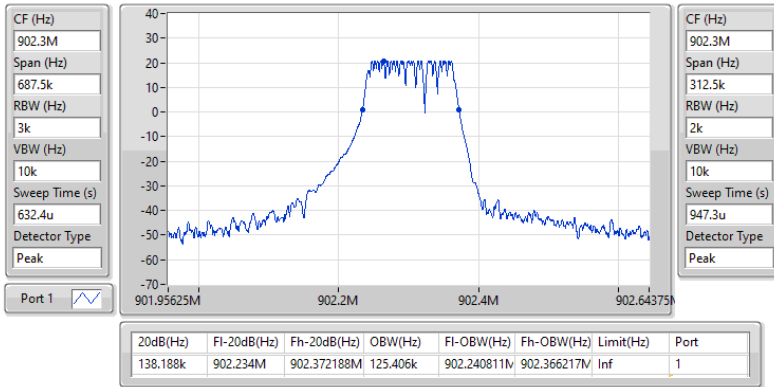
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_LoRa (125kHz)

EBW-FS

902.3MHz

03/07/2026





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
902-928MHz	-	-
LoRa (125kHz)	216.5k	165.5k

Result

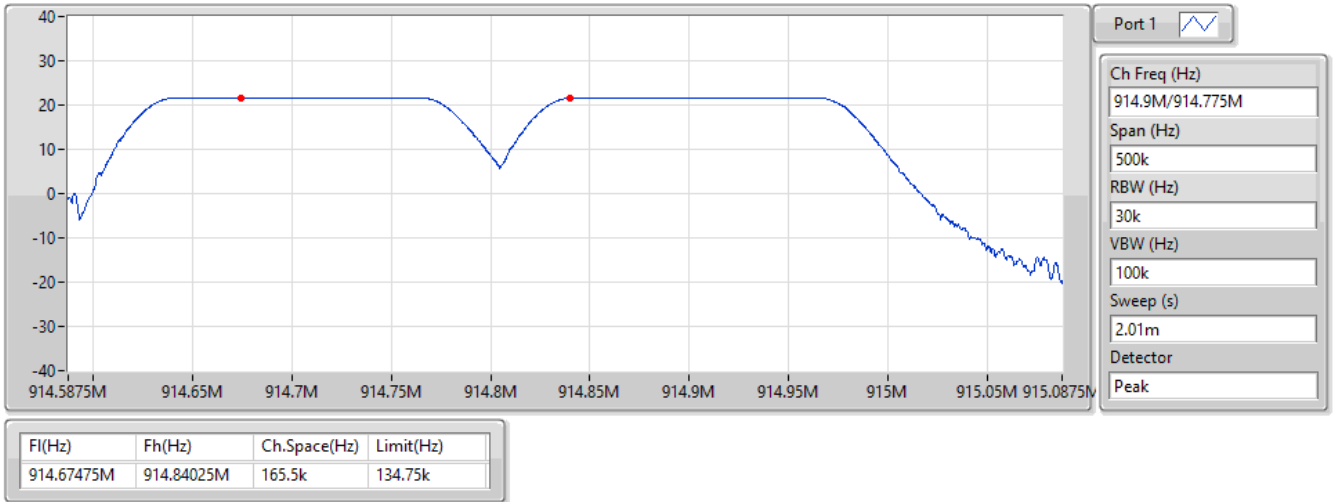
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
LoRa (125kHz)	-	-	-	-	-
902.3MHz	Pass	902.2415M	902.458M	216.5k	138.188k
908.7MHz	Pass	908.6415M	908.841M	199.5k	134.062k
914.9MHz	Pass	914.67475M	914.84025M	165.5k	134.75k

902-928MHz_LoRa (125kHz)

Channel Separation-FS

914.9M/914.775MHz

03/07/2026



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
LoRa (500kHz)	607.5k	501k	501KF1D	580.625k	486.632k

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)
LoRa (500kHz)	-	-	-	-
903MHz	Pass	500k	607.5k	501k
914.2MHz	Pass	500k	580.625k	499.75k
927.5MHz	Pass	500k	599.375k	486.632k

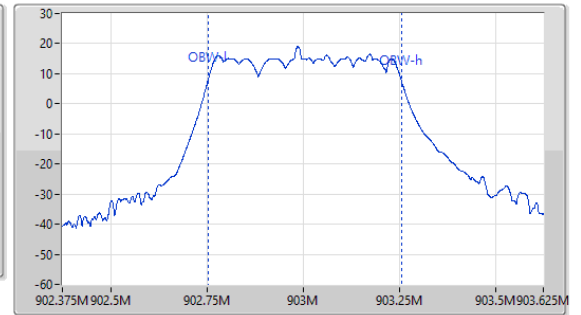
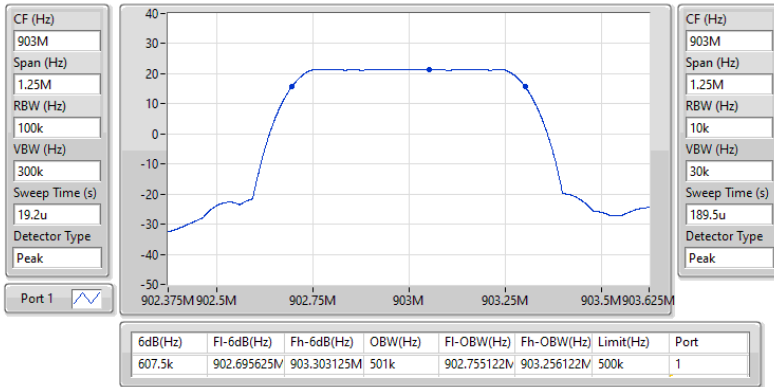
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_LoRa (500kHz)

EBW-DTS

903MHz

03/07/2026





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
LoRa (125kHz)	137.031k	125.406k	125KF1D	136.562k	125.094k

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	Inf	136.719k	125.094k
908.7MHz	Pass	Inf	137.031k	125.406k
914.9MHz	Pass	Inf	136.562k	125.094k

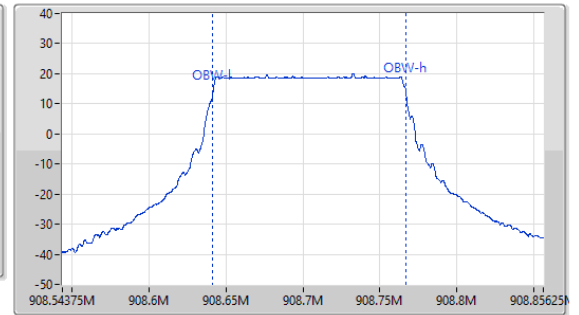
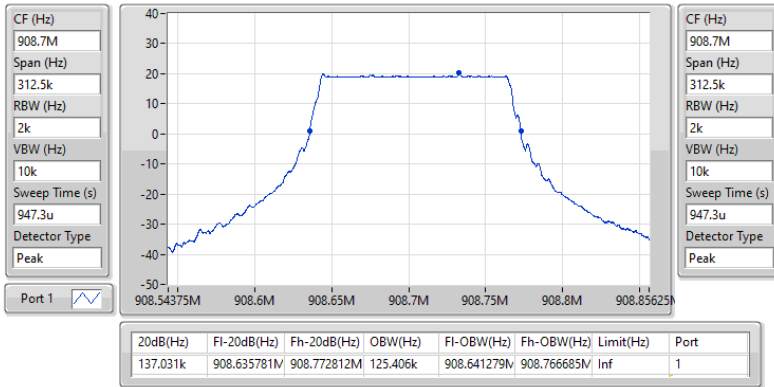
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_LoRa (125kHz)

EBW-HS

908.7MHz

03/07/2026





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
902-928MHz	-	-
LoRa (125kHz)	250.75k	181.75k

Result

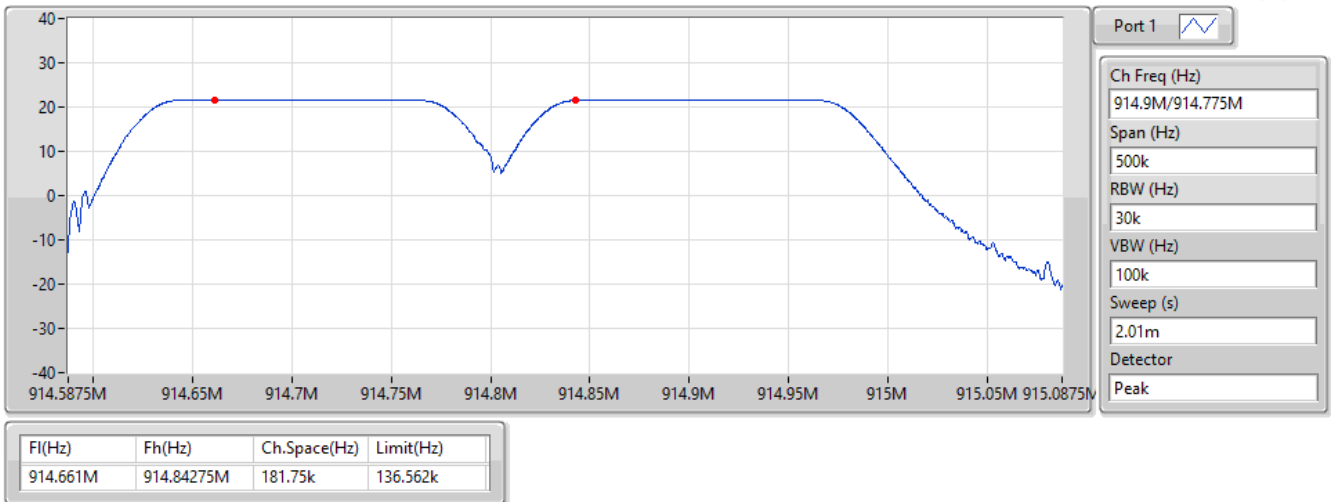
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
LoRa (125kHz)	-	-	-	-	-
902.3MHz	Pass	902.2435M	902.44325M	199.75k	136.719k
908.7MHz	Pass	908.64125M	908.892M	250.75k	137.031k
914.9MHz	Pass	914.661M	914.84275M	181.75k	136.562k

902-928MHz_LoRa (125kHz)

Channel Separation-HS

914.9M/914.775MHz

03/07/2026





Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
LoRa (125kHz)	21.57	0.14355



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	1.69	21.57	30.00
908.7MHz	Pass	1.69	21.44	30.00
914.9MHz	Pass	1.69	21.33	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
LoRa (125kHz)	21.54	0.14256



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	1.69	21.54	30.00
908.7MHz	Pass	1.69	21.41	30.00
914.9MHz	Pass	1.69	21.31	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
LoRa (500kHz)	21.57	0.14355



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (500kHz)	-	-	-	-
903MHz	Pass	1.69	21.57	30.00
914.2MHz	Pass	1.69	21.35	30.00
927.5MHz	Pass	1.69	21.25	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
LoRa (500kHz)	21.53	0.14223



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (500kHz)	-	-	-	-
903MHz	Pass	1.69	21.53	30.00
914.2MHz	Pass	1.69	21.32	30.00
927.5MHz	Pass	1.69	21.22	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
LoRa (125kHz)	5.96	0.00394



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	1.69	5.88	30.00
908.7MHz	Pass	1.69	5.95	30.00
914.9MHz	Pass	1.69	5.96	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
LoRa (125kHz)	5.83	0.00383



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	1.69	5.75	30.00
908.7MHz	Pass	1.69	5.80	30.00
914.9MHz	Pass	1.69	5.83	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	PD (dBm/RBW)
902-928MHz	-
LoRa (500kHz)	3.52

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
LoRa (500kHz)	-	-	-	-
903MHz	Pass	1.69	1.85	8.00
914.2MHz	Pass	1.69	3.52	8.00
927.5MHz	Pass	1.69	1.34	8.00

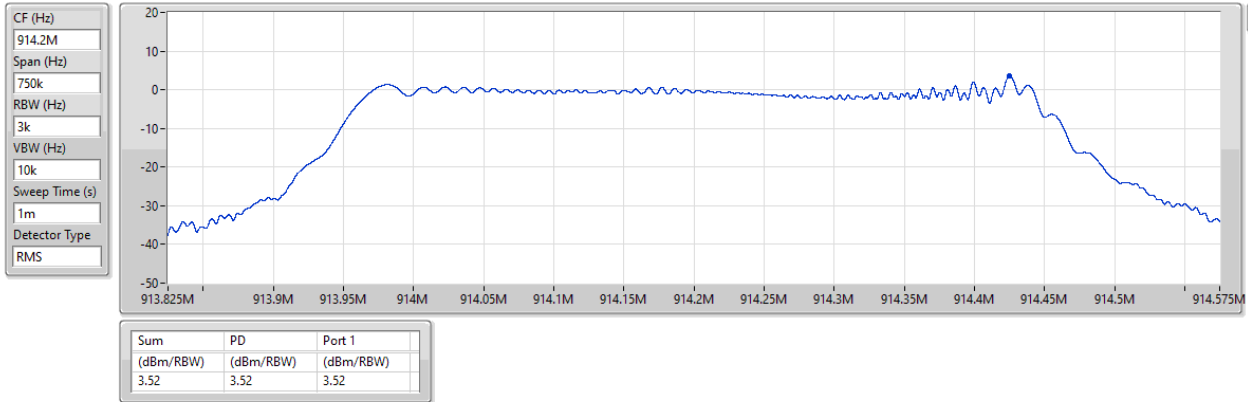
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

902-928MHz_LoRa (500kHz)

PSD

914.2MHz

03/07/2026





Summary

Mode	PD (dBm/RBW)
902-928MHz	-
LoRa (125kHz)	5.63

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	1.69	5.10	8.00
908.7MHz	Pass	1.69	5.50	8.00
914.9MHz	Pass	1.69	5.63	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;
Inf = There's no restriction for the limit.

902-928MHz_LoRa (125kHz)

PSD

914.9MHz

14/07/2026

CF (Hz)
914.9M

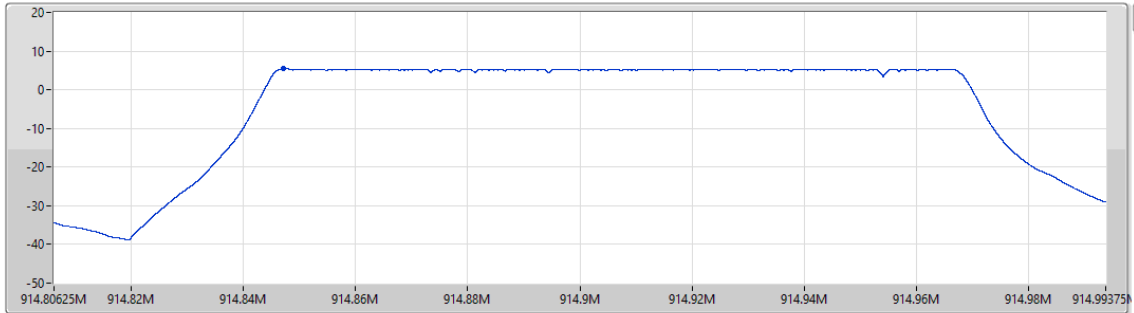
Span (Hz)
187.5k

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
1m

Detector Type
Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.63	5.63	5.63



Summary

Mode	Max-Hop No
902-928MHz	-
LoRa (125kHz)	64



Result

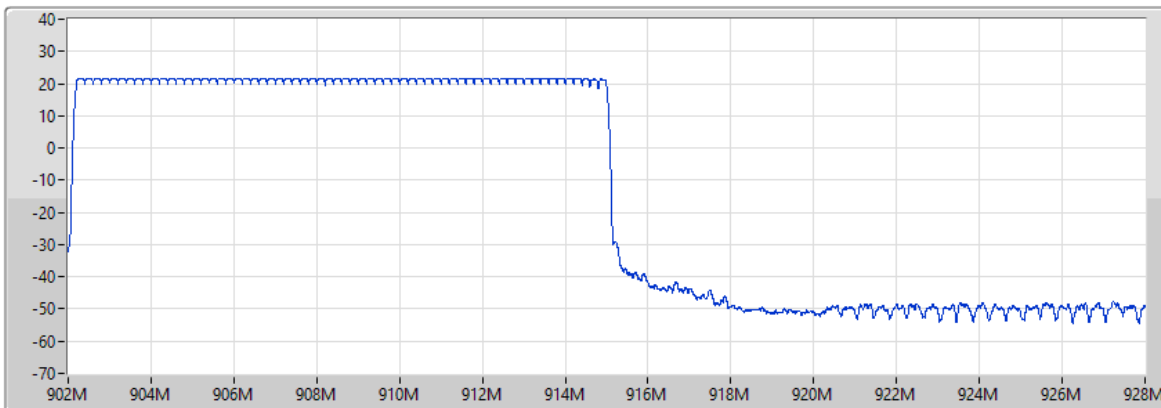
Mode	Result	Hopping No	Limit
LoRa (125kHz)	-	-	-
908.7MHz	Pass	64	50

902-928MHz_LoRa (125kHz)

Hopping-FS

908.7MHz

03/07/2026



Port 1 

Hopping No
64

Span (Hz)
26M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
37.9us

Detector
Peak

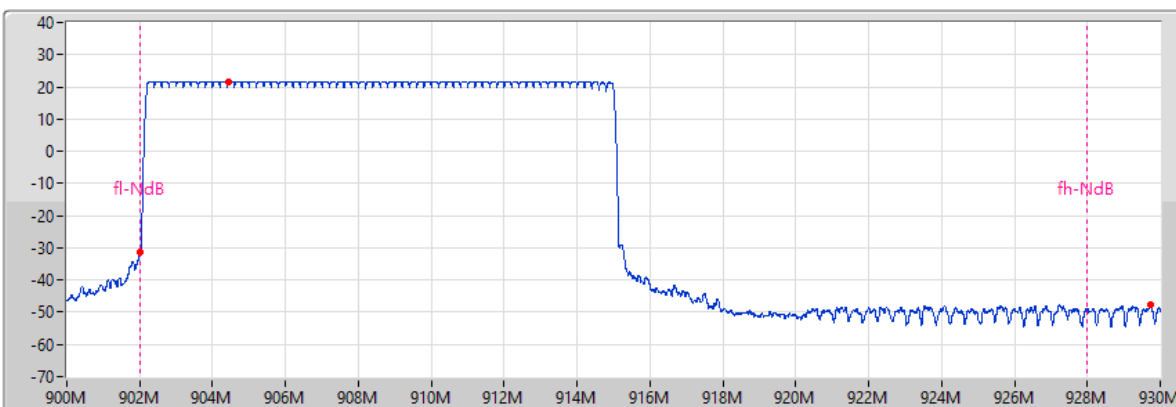
Hopping No	Limit
64	50

902-928MHz_LoRa (125kHz)

908.7MHz

Hopping Ch Bandedge (Non-restricted Band)

03/07/2026



Port 1 

Span (Hz)
30M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep (s)
37.9u

Detector
Peak

Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
1.63	904.45125M	21.63	901.99875M	-31.34	929.71875M	-47.46



Summary

Mode	Max-Hop No
902-928MHz	-
LoRa (125kHz)	8



Result

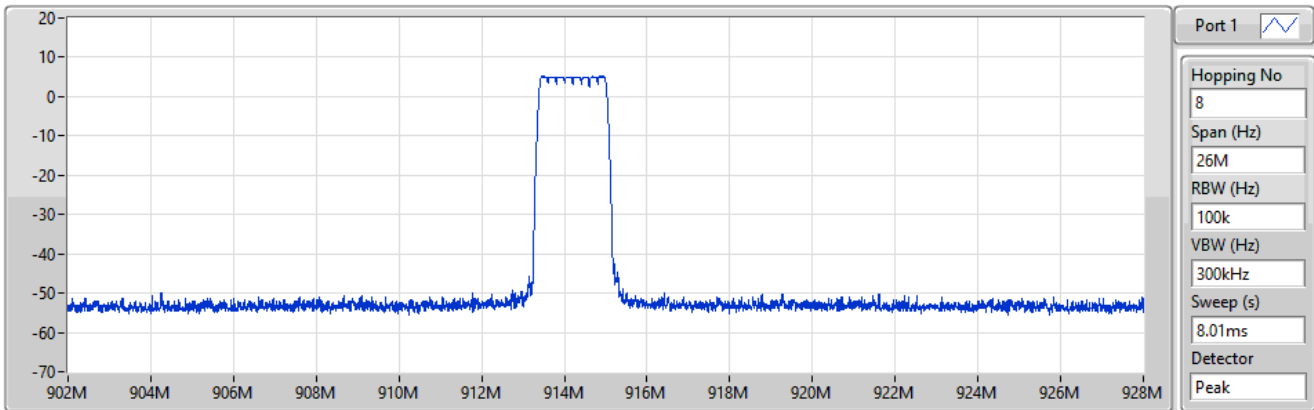
Mode	Result	Hopping No	Limit
LoRa (125kHz)	-	-	-
914.9MHz	Pass	8	Inf

902-928MHz_LoRa (125kHz)

Hopping-HS

914.9MHz

16/07/2026



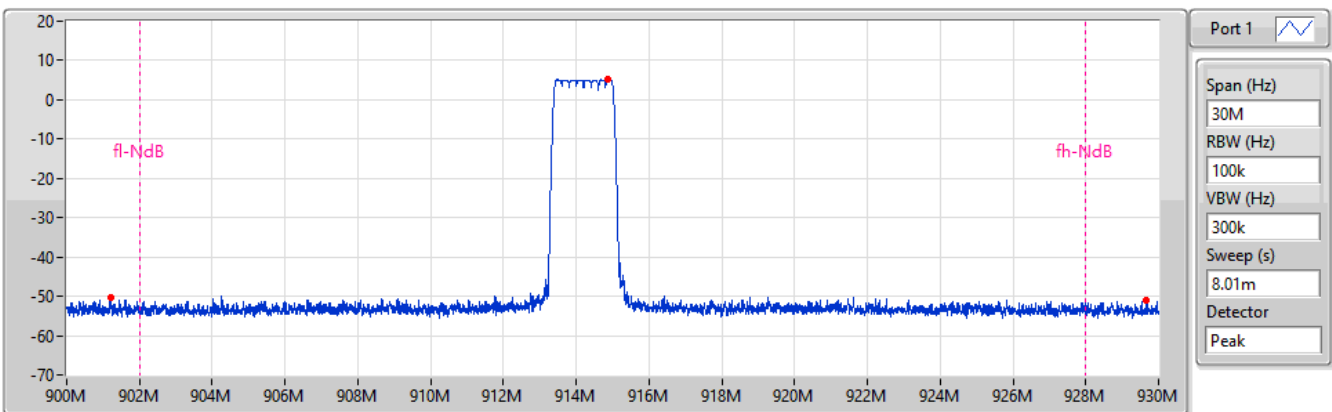
Hopping No	Limit
8	inf

902-928MHz_LoRa (125kHz)

914.9MHz

Hopping Ch Bandedge (Non-restricted Band)

16/07/2026



Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-14.92	914.85375M	5.08	901.19625M	-50.37	929.67375M	-51.08



Summary

Mode	Dwell
902-928MHz	-
LoRa (125kHz)	288.8125m



Result

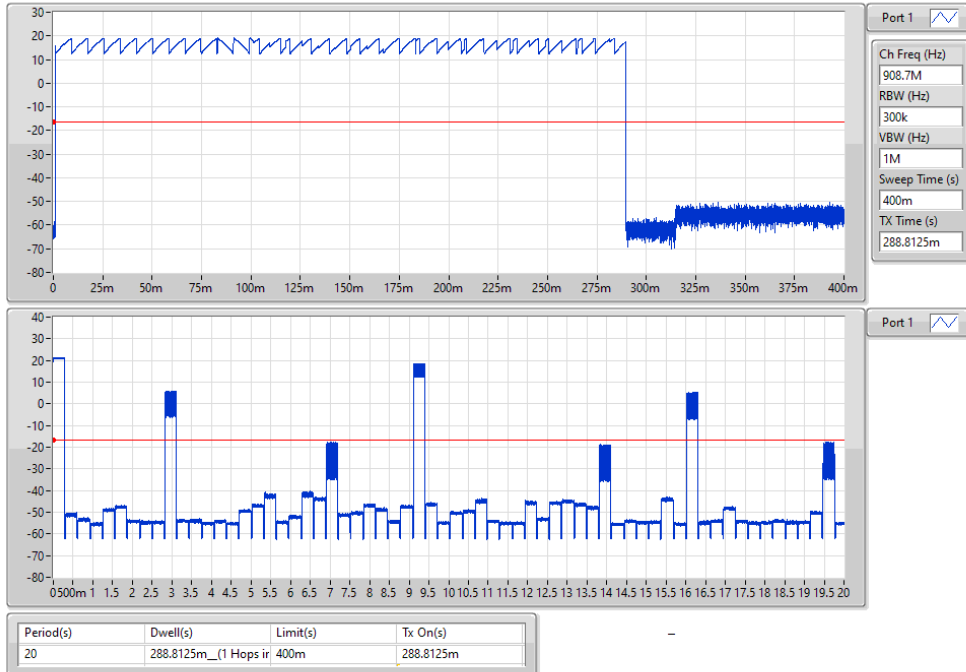
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
LoRa (125kHz)	-	-	-	-	-
908.7MHz	Pass	20	288.8125m	400m	288.8125m

902-928MHz_LoRa (125kHz)

Dwell-FS

908.7MHz

03/07/2026





Summary

Mode	Dwell
902-928MHz	-
LoRa (125kHz)	288.8m



Result

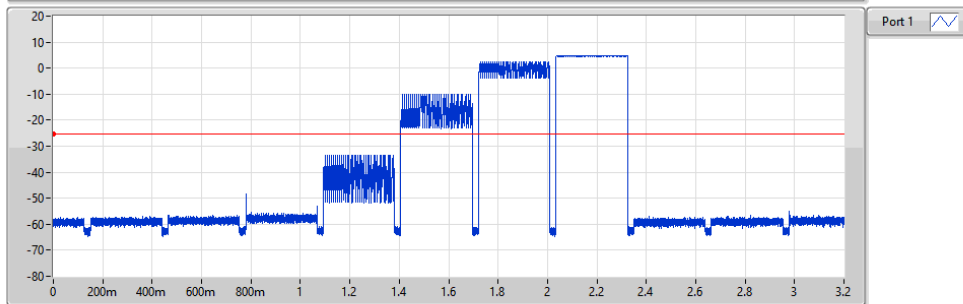
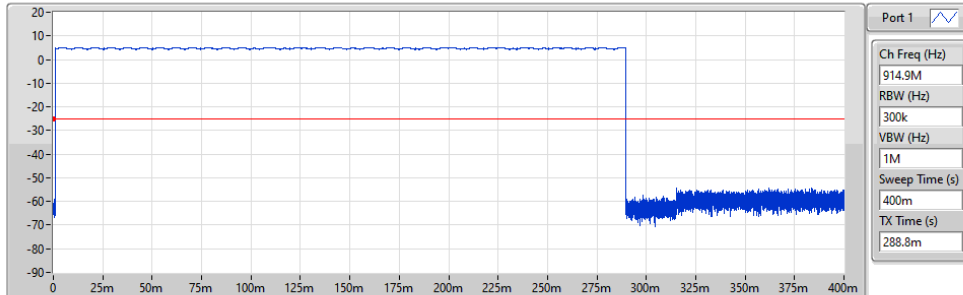
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
LoRa (125kHz)	-	-	-	-	-
914.9MHz	Pass	3.2	288.8m	400m	288.8m

902-928MHz_LoRa (125kHz)

Dwell-HS

914.9MHz

16/07/2026



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
3.2	288.8m_(1 Hops in 3.2)	400m	288.8m



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LoRa (125kHz)	Pass	902.26M	21.54	1.54	870.5M	-49.84	902M	-27.69	902M	-29.30	934.24M	-48.99	1.80455G	-26.24	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
LoRa (125kHz)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
902.3MHz	Pass	902.26M	21.54	1.54	870.5M	-49.84	902M	-27.69	902M	-29.30	934.24M	-48.99	1.80455G	-26.24	1
908.7MHz	Pass	902.26M	21.54	1.54	876.89M	-50.19	901.28M	-51.77	902M	-52.30	940.64M	-48.76	1.81699G	-27.85	1
914.9MHz	Pass	902.26M	21.54	1.54	701.8M	-53.50	882.84M	-48.82	902M	-54.63	946.96M	-48.92	1.82944G	-29.72	1

902-928MHz LoRa (125kHz)

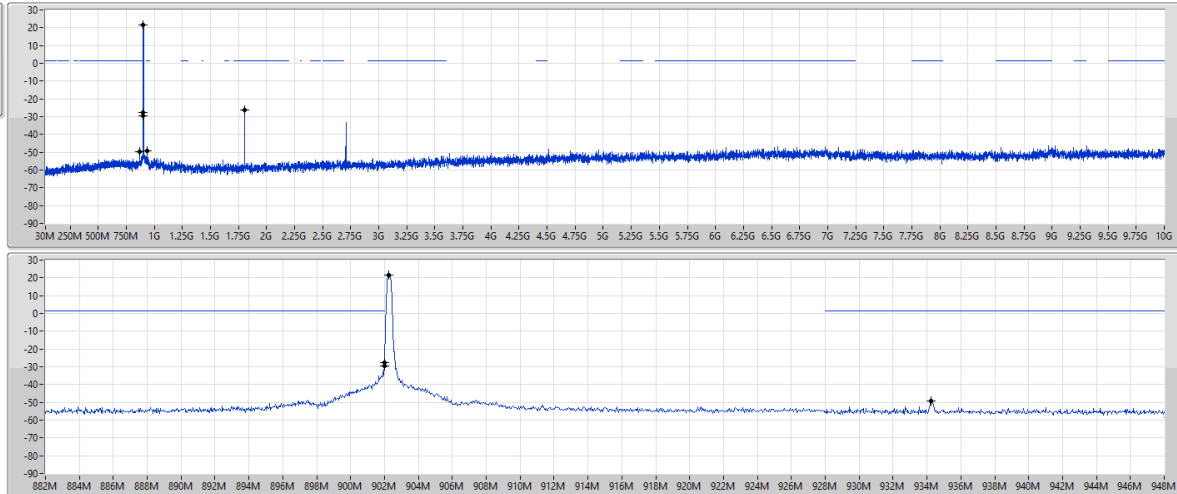
CSEndB-FS

902.3MHz

03/07/2026

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



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
902.26M	21.54	1.54	870.5M	-49.84	902M	-27.69	902M	-29.30	934.24M	-48.99	1.80455G	-26.24	1



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LoRa (500kHz)	Pass	902.73M	21.51	1.51	654.94M	-53.60	895.72M	-48.23	928M	-2.33	928M	-7.12	1.85433G	-33.60	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
LoRa (500kHz)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
903MHz	Pass	902.73M	21.51	1.51	871.35M	-49.52	902M	-28.50	902M	-29.71	934.96M	-48.39	1.80568G	-26.32	1
914.2MHz	Pass	902.73M	21.51	1.51	882M	-52.05	882.4M	-48.58	928M	-54.41	946.32M	-48.77	1.82831G	-29.56	1
927.5MHz	Pass	902.73M	21.51	1.51	654.94M	-53.60	895.72M	-48.23	928M	-2.33	928M	-7.12	1.85433G	-33.60	1

902-928MHz LoRa (500kHz)

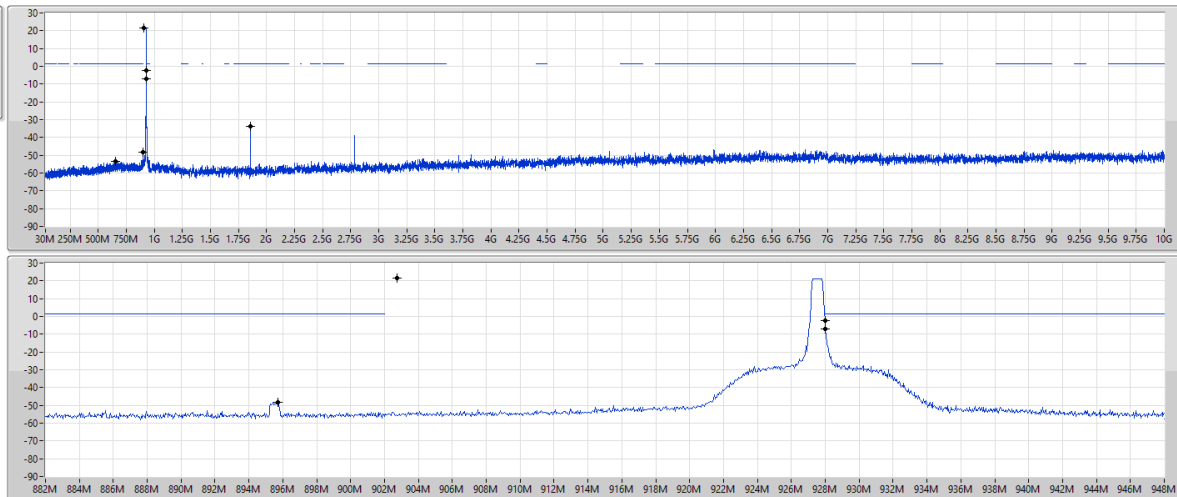
CSEndB-DTS

927.5MHz

03/07/2026

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



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
902.73M	21.51	1.51	654.94M	-53.60	895.72M	-48.23	928M	-2.33	928M	-7.12	1.85433G	-33.60	1



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LoRa (125kHz)	Pass	902.21M	21.57	1.57	870.5M	-49.53	902M	-30.79	902M	-27.20	934.32M	-48.84	1.80455G	-26.21	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
LoRa (125kHz)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
902.3MHz	Pass	902.21M	21.57	1.57	870.5M	-49.53	902M	-30.79	902M	-27.20	934.32M	-48.84	1.80455G	-26.21	1
908.7MHz	Pass	902.21M	21.57	1.57	876.89M	-49.76	901.56M	-51.02	902M	-52.22	940.68M	-48.76	1.81699G	-27.78	1
914.9MHz	Pass	902.21M	21.57	1.57	723.1M	-53.52	882.92M	-49.20	902M	-54.44	946.92M	-49.50	1.82944G	-29.63	1

902-928MHz LoRa (125kHz)

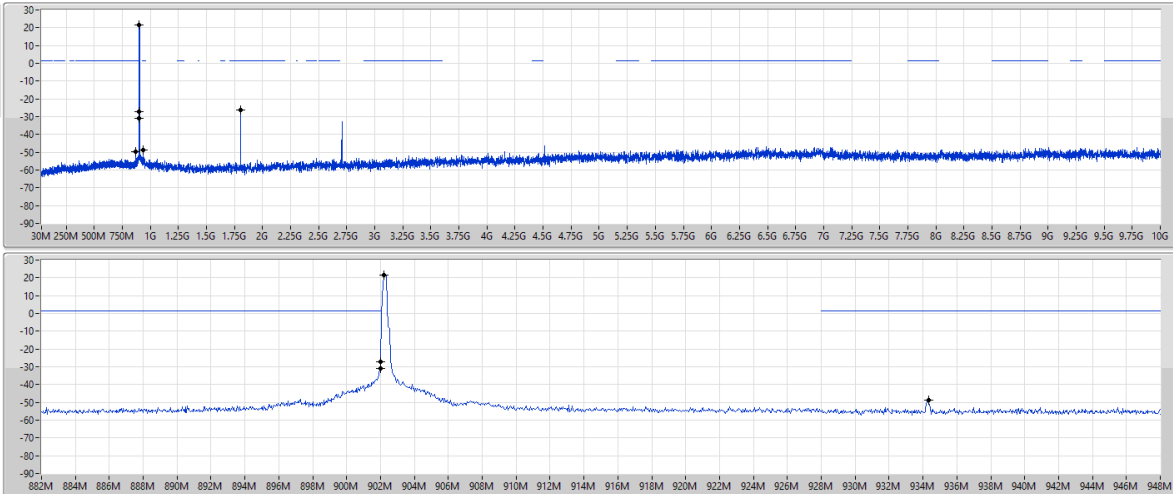
CSEndB-HS

902.3MHz

03/07/2026

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



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
902.21M	21.57	1.57	870.5M	-49.53	902M	-30.79	902M	-27.20	934.32M	-48.84	1.80455G	-26.21	1



Summary

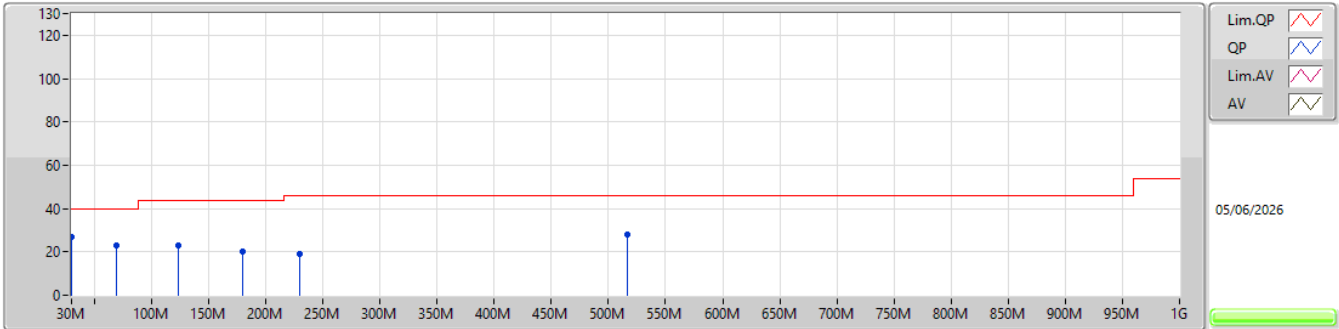
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
LoRa (500kHz)	Pass	PK	577.08M	33.28	46.00	-12.72	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
LoRa (500kHz)	-	-	-	-	-	-	-	-	-	-
914.2MHz	Pass	PK	30M	27.10	40.00	-12.90	3	Vertical	0	1.00
914.2MHz	Pass	PK	68.8M	22.74	40.00	-17.26	3	Vertical	0	1.00
914.2MHz	Pass	PK	123.12M	23.04	43.50	-20.46	3	Vertical	0	1.00
914.2MHz	Pass	PK	179.38M	20.20	43.50	-23.30	3	Vertical	0	1.00
914.2MHz	Pass	PK	229.82M	19.09	46.00	-26.91	3	Vertical	0	1.00
914.2MHz	Pass	PK	516.94M	28.25	46.00	-17.75	3	Vertical	0	1.00
914.2MHz	Pass	PK	41.64M	22.88	40.00	-17.12	3	Horizontal	360	1.00
914.2MHz	Pass	PK	105.66M	23.19	43.50	-20.31	3	Horizontal	360	1.00
914.2MHz	Pass	PK	179.38M	25.73	43.50	-17.77	3	Horizontal	360	1.00
914.2MHz	Pass	PK	282.2M	21.60	46.00	-24.40	3	Horizontal	360	1.00
914.2MHz	Pass	PK	309.36M	22.70	46.00	-23.30	3	Horizontal	360	1.00
914.2MHz	Pass	PK	577.08M	33.28	46.00	-12.72	3	Horizontal	360	1.00

902-928MHz_LoRa (500kHz)

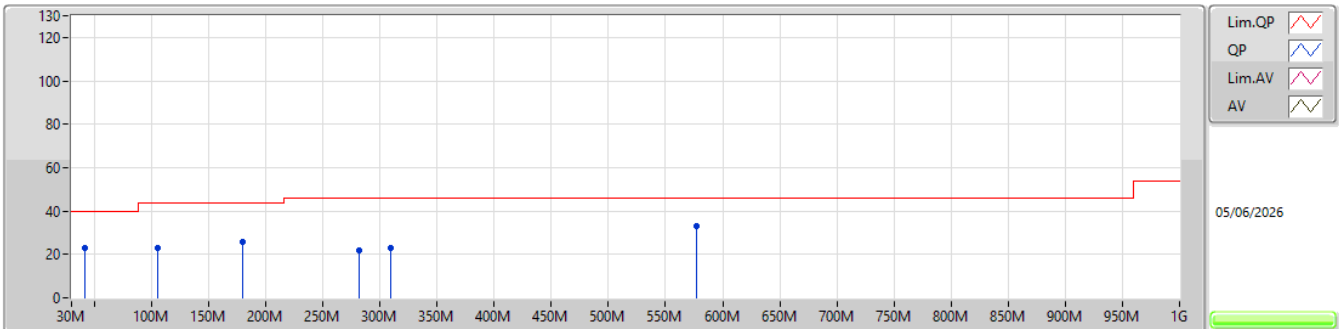
914.2MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	27.10	40.00	-12.90	-19.13	3	Vertical	0	1.00	46.23	24.49	0.79	44.41
PK	68.8M	22.74	40.00	-17.26	-31.37	3	Vertical	0	1.00	54.11	12.25	1.11	44.73
PK	123.12M	23.04	43.50	-20.46	-25.11	3	Vertical	0	1.00	48.15	17.93	1.60	44.64
PK	179.38M	20.20	43.50	-23.30	-27.42	3	Vertical	0	1.00	47.62	15.30	1.87	44.59
PK	229.82M	19.09	46.00	-26.91	-26.14	3	Vertical	0	1.00	45.23	16.32	2.01	44.47
PK	516.94M	28.25	46.00	-17.75	-16.83	3	Vertical	0	1.00	45.08	24.21	2.95	43.99

902-928MHz_LoRa (500kHz)

914.2MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	41.64M	22.88	40.00	-17.12	-24.77	3	Horizontal	360	1.00	47.65	18.99	0.87	44.63
PK	105.66M	23.19	43.50	-20.31	-26.66	3	Horizontal	360	1.00	49.85	16.52	1.46	44.64
PK	179.38M	25.73	43.50	-17.77	-27.42	3	Horizontal	360	1.00	53.15	15.30	1.87	44.59
PK	282.2M	21.60	46.00	-24.40	-23.33	3	Horizontal	360	1.00	44.93	18.86	2.21	44.40
PK	309.36M	22.70	46.00	-23.30	-22.63	3	Horizontal	360	1.00	45.33	19.41	2.32	44.36
PK	577.08M	33.28	46.00	-12.72	-14.86	3	Horizontal	360	1.00	48.14	26.10	3.00	43.96



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
LoRa (125kHz)	Pass	AV	3.65957G	45.06	54.00	-8.94	3	Vertical	54	2.74
LoRa (500kHz)	Pass	AV	3.65707G	44.25	54.00	-9.75	3	Vertical	55	2.77

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
LoRa (500kHz)	-	-	-	-	-	-	-	-	-	-
903MHz	Pass	AV	2.70856G	40.51	54.00	-13.49	3	Vertical	223	1.06
903MHz	Pass	AV	3.61219G	43.87	54.00	-10.13	3	Vertical	52	2.67
903MHz	Pass	AV	4.51535G	35.09	54.00	-18.91	3	Vertical	62	1.13
903MHz	Pass	PK	2.70856G	54.02	74.00	-19.98	3	Vertical	223	1.06
903MHz	Pass	PK	3.61219G	57.38	74.00	-16.62	3	Vertical	52	2.67
903MHz	Pass	PK	4.51535G	48.60	74.00	-25.40	3	Vertical	62	1.13
903MHz	Pass	AV	2.70873G	41.05	54.00	-12.95	3	Horizontal	169	2.64
903MHz	Pass	AV	3.61115G	43.56	54.00	-10.44	3	Horizontal	26	1.13
903MHz	Pass	AV	4.51394G	38.06	54.00	-15.94	3	Horizontal	301	1.06
903MHz	Pass	PK	2.70873G	54.56	74.00	-19.44	3	Horizontal	169	2.64
903MHz	Pass	PK	3.61115G	57.07	74.00	-16.93	3	Horizontal	26	1.13
903MHz	Pass	PK	4.51394G	51.57	74.00	-22.43	3	Horizontal	301	1.06
914.2MHz	Pass	AV	2.74222G	38.78	54.00	-15.22	3	Vertical	136	1.50
914.2MHz	Pass	AV	3.65707G	44.25	54.00	-9.75	3	Vertical	55	2.77
914.2MHz	Pass	AV	4.57179G	36.34	54.00	-17.66	3	Vertical	44	2.22
914.2MHz	Pass	PK	2.74222G	52.29	74.00	-21.71	3	Vertical	136	1.50
914.2MHz	Pass	PK	3.65707G	57.76	74.00	-16.24	3	Vertical	55	2.77
914.2MHz	Pass	PK	4.57179G	49.85	74.00	-24.15	3	Vertical	44	2.22
914.2MHz	Pass	AV	2.74185G	40.10	54.00	-13.90	3	Horizontal	161	1.21
914.2MHz	Pass	AV	3.65668G	42.85	54.00	-11.15	3	Horizontal	42	1.00
914.2MHz	Pass	AV	4.5712G	37.38	54.00	-16.62	3	Horizontal	299	1.01
914.2MHz	Pass	PK	2.74185G	53.61	74.00	-20.39	3	Horizontal	161	1.21
914.2MHz	Pass	PK	3.65668G	56.36	74.00	-17.64	3	Horizontal	42	1.00
914.2MHz	Pass	PK	4.5712G	50.89	74.00	-23.11	3	Horizontal	299	1.01
927.5MHz	Pass	AV	2.78266G	40.52	54.00	-13.48	3	Vertical	138	1.32
927.5MHz	Pass	AV	3.70907G	41.91	54.00	-12.09	3	Vertical	58	2.67
927.5MHz	Pass	AV	4.63755G	36.03	54.00	-17.97	3	Vertical	43	2.72
927.5MHz	Pass	PK	2.78266G	54.03	74.00	-19.97	3	Vertical	138	1.32
927.5MHz	Pass	PK	3.70907G	55.42	74.00	-18.58	3	Vertical	58	2.67
927.5MHz	Pass	PK	4.63755G	49.54	74.00	-24.46	3	Vertical	43	2.72
927.5MHz	Pass	AV	2.78229G	41.79	54.00	-12.21	3	Horizontal	161	1.50
927.5MHz	Pass	AV	3.70977G	39.48	54.00	-14.52	3	Horizontal	27	1.08
927.5MHz	Pass	AV	4.63824G	36.69	54.00	-17.31	3	Horizontal	301	1.08
927.5MHz	Pass	PK	2.78229G	55.30	74.00	-18.70	3	Horizontal	161	1.50
927.5MHz	Pass	PK	3.70977G	52.99	74.00	-21.01	3	Horizontal	27	1.08
927.5MHz	Pass	PK	4.63824G	50.20	74.00	-23.80	3	Horizontal	301	1.08
LoRa (125kHz)	-	-	-	-	-	-	-	-	-	-
902.3MHz	Pass	AV	2.70665G	40.69	54.00	-13.31	3	Vertical	158	1.10
902.3MHz	Pass	AV	3.60928G	44.57	54.00	-9.43	3	Vertical	53	2.66
902.3MHz	Pass	AV	4.51121G	37.59	54.00	-16.41	3	Vertical	37	2.68
902.3MHz	Pass	PK	2.70665G	53.46	74.00	-20.54	3	Vertical	158	1.10
902.3MHz	Pass	PK	3.60928G	57.34	74.00	-16.66	3	Vertical	53	2.66
902.3MHz	Pass	PK	4.51121G	50.36	74.00	-23.64	3	Vertical	37	2.69
902.3MHz	Pass	AV	2.70672G	42.32	54.00	-11.68	3	Horizontal	346	2.56
902.3MHz	Pass	AV	3.60925G	44.42	54.00	-9.58	3	Horizontal	25	1.11
902.3MHz	Pass	AV	4.51185G	38.74	54.00	-15.26	3	Horizontal	316	1.00
902.3MHz	Pass	PK	2.70672G	55.09	74.00	-18.91	3	Horizontal	346	2.56
902.3MHz	Pass	PK	3.60925G	57.19	74.00	-16.81	3	Horizontal	25	1.11
902.3MHz	Pass	PK	4.51185G	51.51	74.00	-22.49	3	Horizontal	316	1.00
908.7MHz	Pass	AV	2.72629G	41.17	54.00	-12.83	3	Vertical	24	1.00
908.7MHz	Pass	AV	3.635G	44.83	54.00	-9.17	3	Vertical	53	2.59
908.7MHz	Pass	AV	4.54315G	37.30	54.00	-16.70	3	Vertical	35	2.48
908.7MHz	Pass	PK	2.72629G	53.94	74.00	-20.06	3	Vertical	24	1.00
908.7MHz	Pass	PK	3.635G	57.60	74.00	-16.40	3	Vertical	53	2.59
908.7MHz	Pass	PK	4.54315G	50.07	74.00	-23.93	3	Vertical	35	2.48
908.7MHz	Pass	AV	2.72597G	42.01	54.00	-11.99	3	Horizontal	343	2.92
908.7MHz	Pass	AV	3.63481G	42.88	54.00	-11.12	3	Horizontal	26	1.24
908.7MHz	Pass	AV	4.54366G	38.30	54.00	-15.70	3	Horizontal	314	1.01
908.7MHz	Pass	PK	2.72597G	54.78	74.00	-19.22	3	Horizontal	343	2.92
908.7MHz	Pass	PK	3.63481G	55.65	74.00	-18.35	3	Horizontal	26	1.24



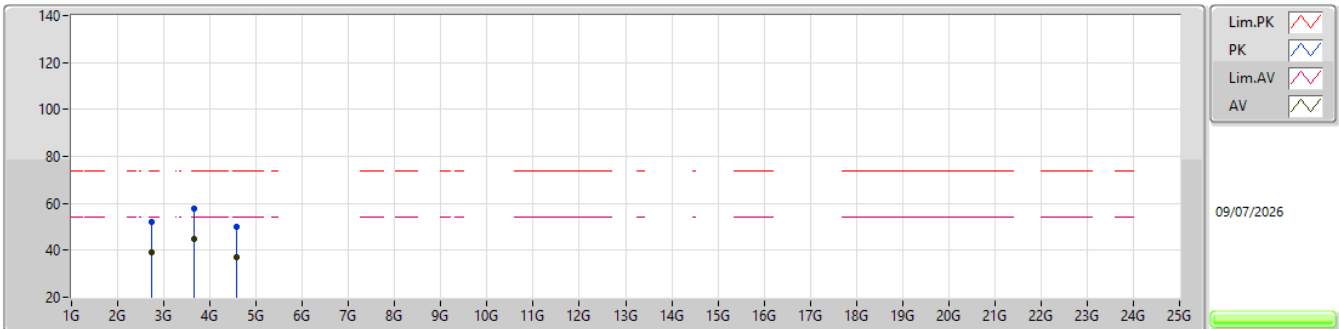
RSE TX above 1GHz

Appendix H.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
908.7MHz	Pass	PK	4.54366G	51.07	74.00	-22.93	3	Horizontal	314	1.01
914.9MHz	Pass	AV	2.74473G	39.37	54.00	-14.63	3	Vertical	158	1.11
914.9MHz	Pass	AV	3.65957G	45.06	54.00	-8.94	3	Vertical	54	2.74
914.9MHz	Pass	AV	4.57473G	37.16	54.00	-16.84	3	Vertical	44	2.60
914.9MHz	Pass	PK	2.74473G	52.14	74.00	-21.86	3	Vertical	158	1.11
914.9MHz	Pass	PK	3.65957G	57.83	74.00	-16.17	3	Vertical	54	2.74
914.9MHz	Pass	PK	4.57473G	49.93	74.00	-24.07	3	Vertical	44	2.60
914.9MHz	Pass	AV	2.74483G	42.12	54.00	-11.88	3	Horizontal	344	2.85
914.9MHz	Pass	AV	3.65966G	43.17	54.00	-10.83	3	Horizontal	47	1.00
914.9MHz	Pass	AV	4.57475G	38.44	54.00	-15.56	3	Horizontal	313	1.00
914.9MHz	Pass	PK	2.74483G	54.89	74.00	-19.11	3	Horizontal	344	2.85
914.9MHz	Pass	PK	3.65966G	55.94	74.00	-18.06	3	Horizontal	47	1.00
914.9MHz	Pass	PK	4.57475G	51.21	74.00	-22.79	3	Horizontal	313	1.00

902-928MHz_LoRa (125kHz)

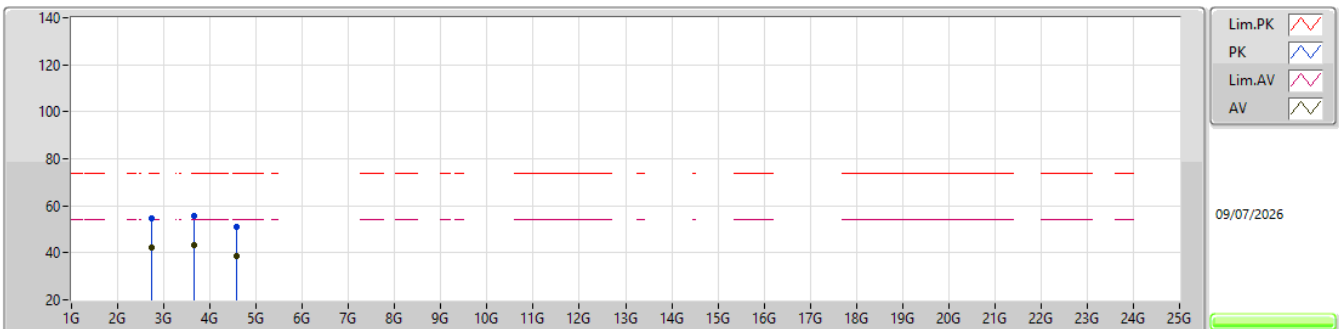
914.9MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74473G	39.37	54.00	-14.63	-9.89	3	Vertical	158	1.11	49.26	28.40	5.26	43.55
AV	3.65957G	45.06	54.00	-8.94	-8.06	3	Vertical	54	2.74	53.12	29.72	6.06	43.84
AV	4.57473G	37.16	54.00	-16.84	-5.83	3	Vertical	44	2.60	42.99	31.65	6.83	44.31
PK	2.74473G	52.14	74.00	-21.86	-9.89	3	Vertical	158	1.11	62.03	28.40	5.26	43.55
PK	3.65957G	57.83	74.00	-16.17	-8.06	3	Vertical	54	2.74	65.89	29.72	6.06	43.84
PK	4.57473G	49.93	74.00	-24.07	-5.83	3	Vertical	44	2.60	55.76	31.65	6.83	44.31

902-928MHz_LoRa (125kHz)

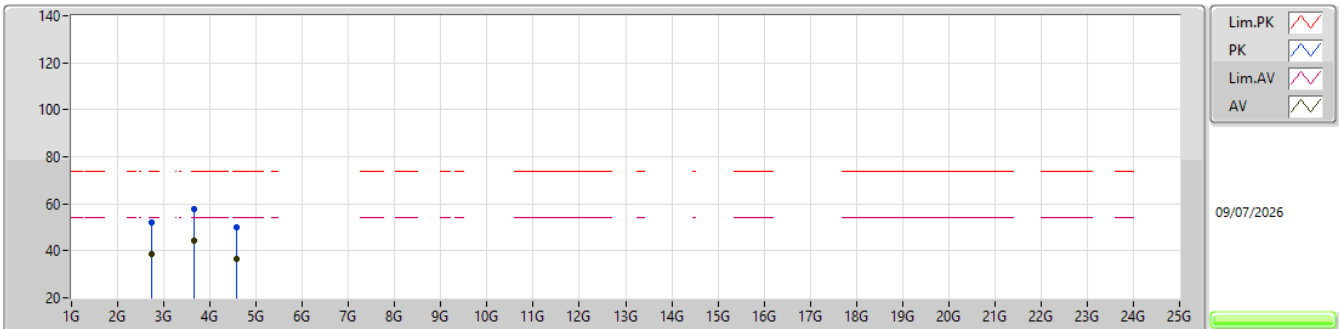
914.9MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74483G	42.12	54.00	-11.88	-9.89	3	Horizontal	344	2.85	52.01	28.40	5.26	43.55
AV	3.65966G	43.17	54.00	-10.83	-8.06	3	Horizontal	47	1.00	51.23	29.72	6.06	43.84
AV	4.57475G	38.44	54.00	-15.56	-5.83	3	Horizontal	313	1.00	44.27	31.65	6.83	44.31
PK	2.74483G	54.89	74.00	-19.11	-9.89	3	Horizontal	344	2.85	64.78	28.40	5.26	43.55
PK	3.65966G	55.94	74.00	-18.06	-8.06	3	Horizontal	47	1.00	64.00	29.72	6.06	43.84
PK	4.57475G	51.21	74.00	-22.79	-5.83	3	Horizontal	313	1.00	57.04	31.65	6.83	44.31

902-928MHz_LoRa (500kHz)

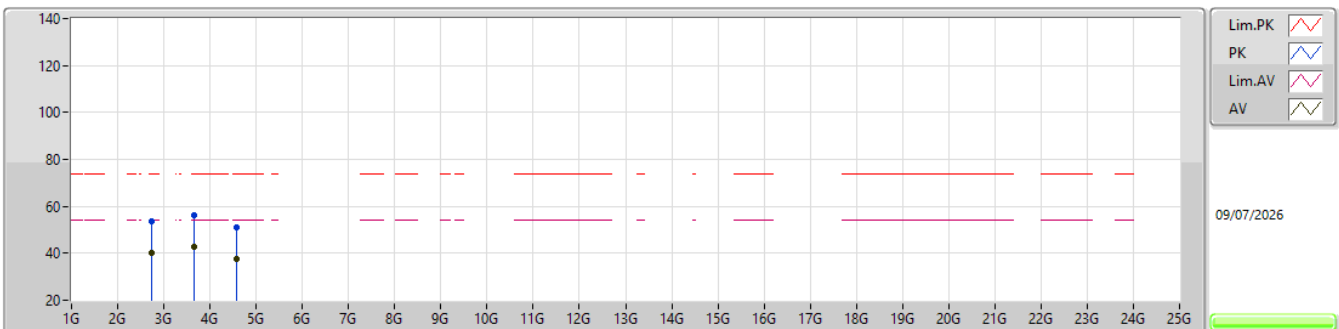
914.2MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74222G	38.78	54.00	-15.22	-9.90	3	Vertical	136	1.50	48.68	28.40	5.25	43.55
AV	3.65707G	44.25	54.00	-9.75	-8.07	3	Vertical	55	2.77	52.32	29.71	6.06	43.84
AV	4.57179G	36.34	54.00	-17.66	-5.85	3	Vertical	44	2.22	42.19	31.64	6.82	44.31
PK	2.74222G	52.29	74.00	-21.71	-9.90	3	Vertical	136	1.50	62.19	28.40	5.25	43.55
PK	3.65707G	57.76	74.00	-16.24	-8.07	3	Vertical	55	2.77	65.83	29.71	6.06	43.84
PK	4.57179G	49.85	74.00	-24.15	-5.85	3	Vertical	44	2.22	55.70	31.64	6.82	44.31

902-928MHz_LoRa (500kHz)

914.2MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.74185G	40.10	54.00	-13.90	-9.90	3	Horizontal	161	1.21	50.00	28.40	5.25	43.55
AV	3.65668G	42.85	54.00	-11.15	-8.07	3	Horizontal	42	1.00	50.92	29.71	6.06	43.84
AV	4.5712G	37.38	54.00	-16.62	-5.85	3	Horizontal	299	1.01	43.23	31.64	6.82	44.31
PK	2.74185G	53.61	74.00	-20.39	-9.90	3	Horizontal	161	1.21	63.51	28.40	5.25	43.55
PK	3.65668G	56.36	74.00	-17.64	-8.07	3	Horizontal	42	1.00	64.43	29.71	6.06	43.84
PK	4.5712G	50.89	74.00	-23.11	-5.85	3	Horizontal	299	1.01	56.74	31.64	6.82	44.31



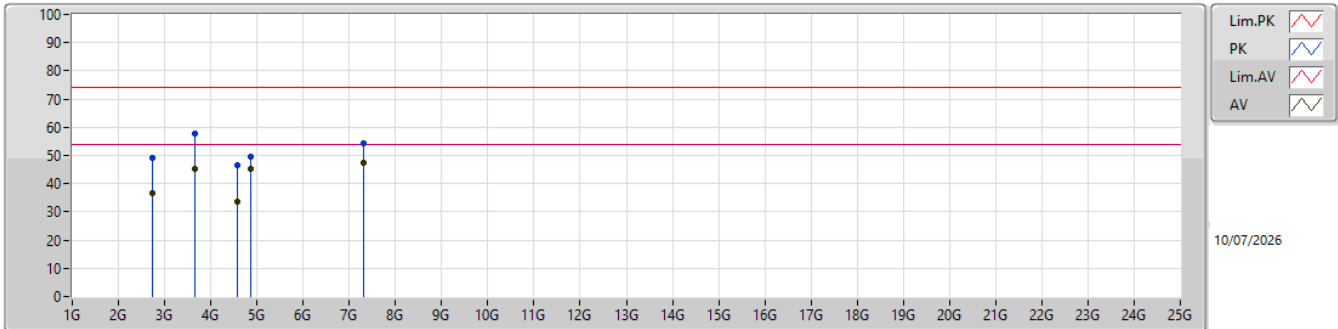
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	7.31368G	48.38	54.00	-5.62	Horizontal
Mode 2	Pass	AV	3.65943G	45.67	54.00	-8.33	Horizontal

Result

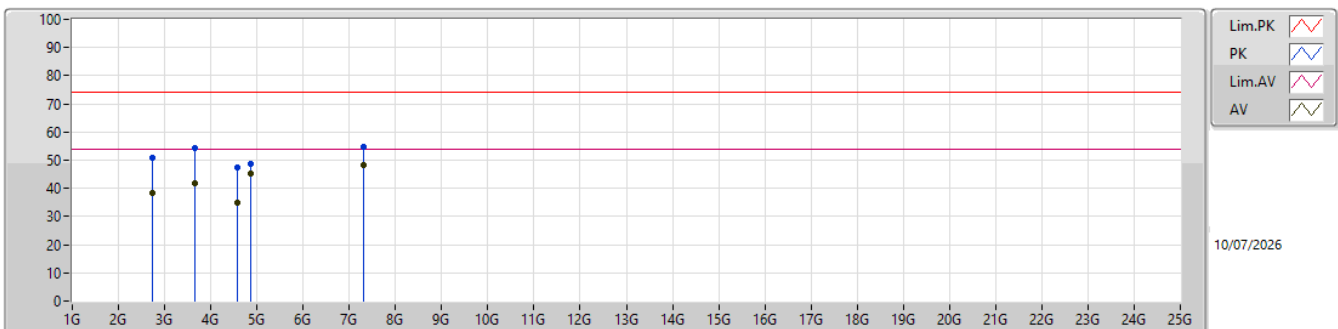
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	2.74458G	36.49	54.00	-17.51	3	Vertical	150	1.50
Mode 1	Pass	AV	3.65952G	45.08	54.00	-8.92	3	Vertical	62	2.76
Mode 1	Pass	AV	4.57454G	33.62	54.00	-20.38	3	Vertical	40	2.61
Mode 1	Pass	AV	4.87396G	45.35	54.00	-8.65	3	Vertical	297	1.01
Mode 1	Pass	AV	7.30872G	47.49	54.00	-6.51	3	Vertical	349	1.01
Mode 1	Pass	PK	2.74458G	49.26	74.00	-24.74	3	Vertical	150	1.50
Mode 1	Pass	PK	3.65952G	57.85	74.00	-16.15	3	Vertical	62	2.76
Mode 1	Pass	PK	4.57454G	46.39	74.00	-27.61	3	Vertical	40	2.61
Mode 1	Pass	PK	4.87392G	49.37	74.00	-24.63	3	Vertical	297	1.01
Mode 1	Pass	PK	7.31012G	54.25	74.00	-19.75	3	Vertical	349	1.01
Mode 1	Pass	AV	2.74478G	38.19	54.00	-15.81	3	Horizontal	355	2.70
Mode 1	Pass	AV	3.65968G	41.71	54.00	-12.29	3	Horizontal	34	1.20
Mode 1	Pass	AV	4.57458G	34.80	54.00	-19.20	3	Horizontal	291	1.01
Mode 1	Pass	AV	4.874G	45.15	54.00	-8.85	3	Horizontal	99	344
Mode 1	Pass	AV	7.31368G	48.38	54.00	-5.62	3	Horizontal	11	1.00
Mode 1	Pass	PK	2.74478G	50.96	74.00	-23.04	3	Horizontal	355	2.70
Mode 1	Pass	PK	3.65968G	54.48	74.00	-19.52	3	Horizontal	34	1.20
Mode 1	Pass	PK	4.57458G	47.57	74.00	-26.43	3	Horizontal	291	1.01
Mode 1	Pass	PK	4.87396G	48.89	74.00	-25.11	3	Horizontal	99	344
Mode 1	Pass	PK	7.31276G	54.82	74.00	-19.18	3	Horizontal	11	1.00
Mode 2	Pass	AV	2.74453G	41.52	54.00	-12.48	3	Vertical	333	1.01
Mode 2	Pass	AV	3.65968G	44.52	54.00	-9.48	3	Vertical	69	1.01
Mode 2	Pass	AV	4.57479G	35.32	54.00	-18.68	3	Vertical	121	1.01
Mode 2	Pass	PK	2.74453G	54.29	74.00	-19.71	3	Vertical	333	1.01
Mode 2	Pass	PK	3.65968G	57.29	74.00	-16.71	3	Vertical	69	1.01
Mode 2	Pass	PK	4.57479G	48.09	74.00	-25.91	3	Vertical	121	1.01
Mode 2	Pass	PK	10.36293G	57.37	68.20	-10.83	3	Vertical	4	1.14
Mode 2	Pass	AV	2.74483G	39.79	54.00	-14.21	3	Horizontal	99	1.00
Mode 2	Pass	AV	3.65943G	45.67	54.00	-8.33	3	Horizontal	160	1.07
Mode 2	Pass	AV	4.57454G	39.40	54.00	-14.60	3	Horizontal	153	2.81
Mode 2	Pass	PK	2.74483G	52.56	74.00	-21.44	3	Horizontal	99	1.00
Mode 2	Pass	PK	3.65943G	58.44	74.00	-15.56	3	Horizontal	160	1.07
Mode 2	Pass	PK	4.57454G	52.17	74.00	-21.83	3	Horizontal	153	2.81
Mode 2	Pass	PK	10.35807G	56.03	68.20	-12.17	3	Horizontal	173	1.22

Radiated Emissions above 1GHz_Mode 1



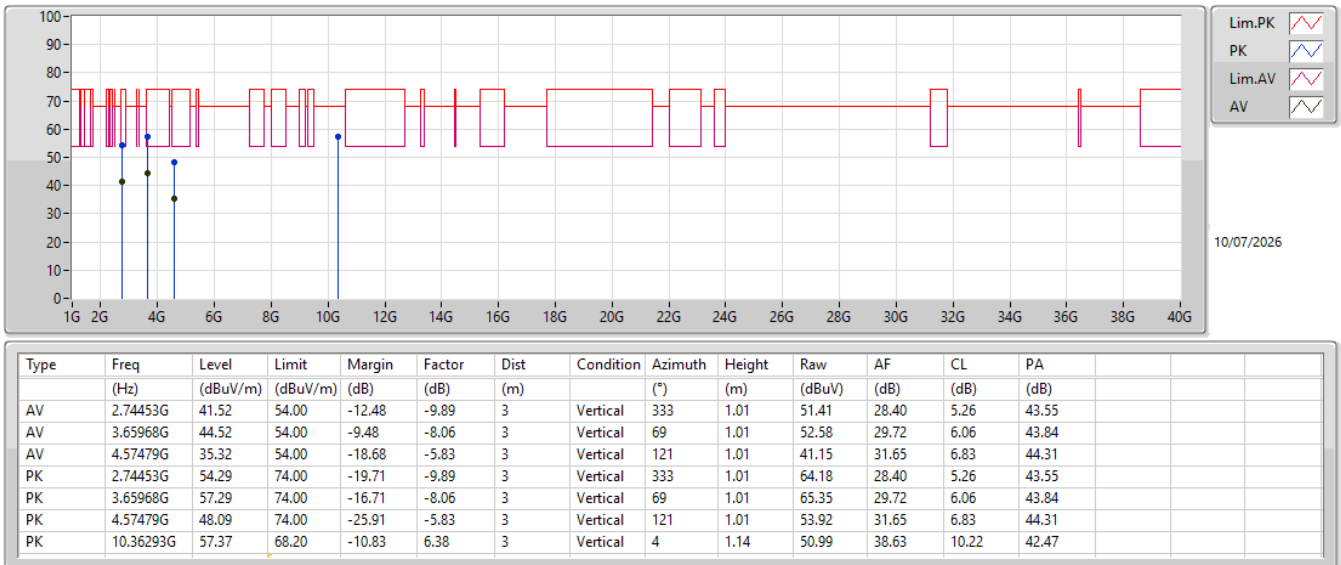
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)				
AV	2.74458G	36.49	54.00	-17.51	-9.89	3	Vertical	150	1.50	46.38	28.40	5.26	43.55				
AV	3.65952G	45.08	54.00	-8.92	-8.06	3	Vertical	62	2.76	53.14	29.72	6.06	43.84				
AV	4.57454G	33.62	54.00	-20.38	-5.83	3	Vertical	40	2.61	39.45	31.65	6.83	44.31				
AV	4.87396G	45.35	54.00	-8.65	-4.42	3	Vertical	297	1.01	49.77	32.85	7.04	44.31				
AV	7.30872G	47.49	54.00	-6.51	1.66	3	Vertical	349	1.01	45.83	37.03	8.83	44.20				
PK	2.74458G	49.26	74.00	-24.74	-9.89	3	Vertical	150	1.50	59.15	28.40	5.26	43.55				
PK	3.65952G	57.85	74.00	-16.15	-8.06	3	Vertical	62	2.76	65.91	29.72	6.06	43.84				
PK	4.57454G	46.39	74.00	-27.61	-5.83	3	Vertical	40	2.61	52.22	31.65	6.83	44.31				
PK	4.87392G	49.37	74.00	-24.63	-4.42	3	Vertical	297	1.01	53.79	32.85	7.04	44.31				
PK	7.31012G	54.25	74.00	-19.75	1.65	3	Vertical	349	1.01	52.60	37.02	8.83	44.20				

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)				
AV	2.74478G	38.19	54.00	-15.81	-9.89	3	Horizontal	355	2.70	48.08	28.40	5.26	43.55				
AV	3.65968G	41.71	54.00	-12.29	-8.06	3	Horizontal	34	1.20	49.77	29.72	6.06	43.84				
AV	4.57458G	34.80	54.00	-19.20	-5.83	3	Horizontal	291	1.01	40.63	31.65	6.83	44.31				
AV	4.874G	45.15	54.00	-8.85	-4.42	3	Horizontal	99	344	49.57	32.85	7.04	44.31				
AV	7.31368G	48.38	54.00	-5.62	1.62	3	Horizontal	11	1.00	46.76	36.99	8.83	44.20				
PK	2.74478G	50.96	74.00	-23.04	-9.89	3	Horizontal	355	2.70	60.85	28.40	5.26	43.55				
PK	3.65968G	54.48	74.00	-19.52	-8.06	3	Horizontal	34	1.20	62.54	29.72	6.06	43.84				
PK	4.57458G	47.57	74.00	-26.43	-5.83	3	Horizontal	291	1.01	53.40	31.65	6.83	44.31				
PK	4.87396G	48.89	74.00	-25.11	-4.42	3	Horizontal	99	344	53.31	32.85	7.04	44.31				
PK	7.31276G	54.82	74.00	-19.18	1.63	3	Horizontal	11	1.00	53.19	37.00	8.83	44.20				

Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2

