

FCC Radio Test Report

FCC ID : 2A9LG-P5
Equipment : Cow Collar
Brand Name : Halter
Model Name : P5
Applicant : Halter USA Inc.
2101 Pearl St, Boulder, CO 80302, USA
Manufacturer : Halter USA LLC
2101 Pearl St, Boulder, CO 80302, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Feb. 21, 2025, and testing was started from Mar. 06, 2025 and completed on Mar. 19, 2025. 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: Sam 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	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Only employ battery power.
3.1	15.247(a)	20dB Bandwidth	PASS	-
3.1	15.247(a)	Carrier Frequency Separation	PASS	-
3.2	15.247(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(e)	Power Spectral Density	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	PASS	-
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	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: Debby Hung

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 (125kHz)	902.3-919.8	88
902-928 MHz	LoRa (500kHz)	903-919.1	11
902-928 MHz	FSK (500kHz)	923.3-927.5	8

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

Note:

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	RAK	P5 Antenna	PIFA	N/A	2

For LoRa function:

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

1.1.3 Type of EUT

Operational Condition	
EUT Power Type	From Battery
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)	0.988	0.05	217.5m	10Hz (DC>=0.98)
LoRa (500kHz)	0.704	1.52	149.063m	10
FSK-HS	0.046	13.37	10m	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 C63.10-2013

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. TW1190 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH07-HY	Xun Hsieh	22.4~23.4°C / 56~62%	06/Mar/2025~19/Mar/2025
☒ 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	Edward Wang	20.1~23.4°C / 53~56%	12/Mar/2025~18/Mar/2025
Radiated (Co-location)	03CH09-HY	Edward Wang	20.2~23.4°C / 53~55%	18/Mar/2025

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
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	3.7V

2.2 Test Channel Mode

Test Software Version	Halter NFC Diagnostics v1.0.0
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Mode	Power Setting
LoRa (125kHz)	
902.3MHz	21
911.1MHz	30
919.8MHz	28
LoRa (500kHz)	-
903MHz	30
909.4MHz	30
919.1MHz	29
FSK-HS	-
923.3MHz	27
927.5MHz	27

2.3 The Worst Case Measurement Configuration

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) Power Spectral Density 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	Battery 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	Bluetooth + LoRa
Refer to Sporton Test Report No.: Appendix H for Radiated Emission Co-location.	



2.4 Accessories

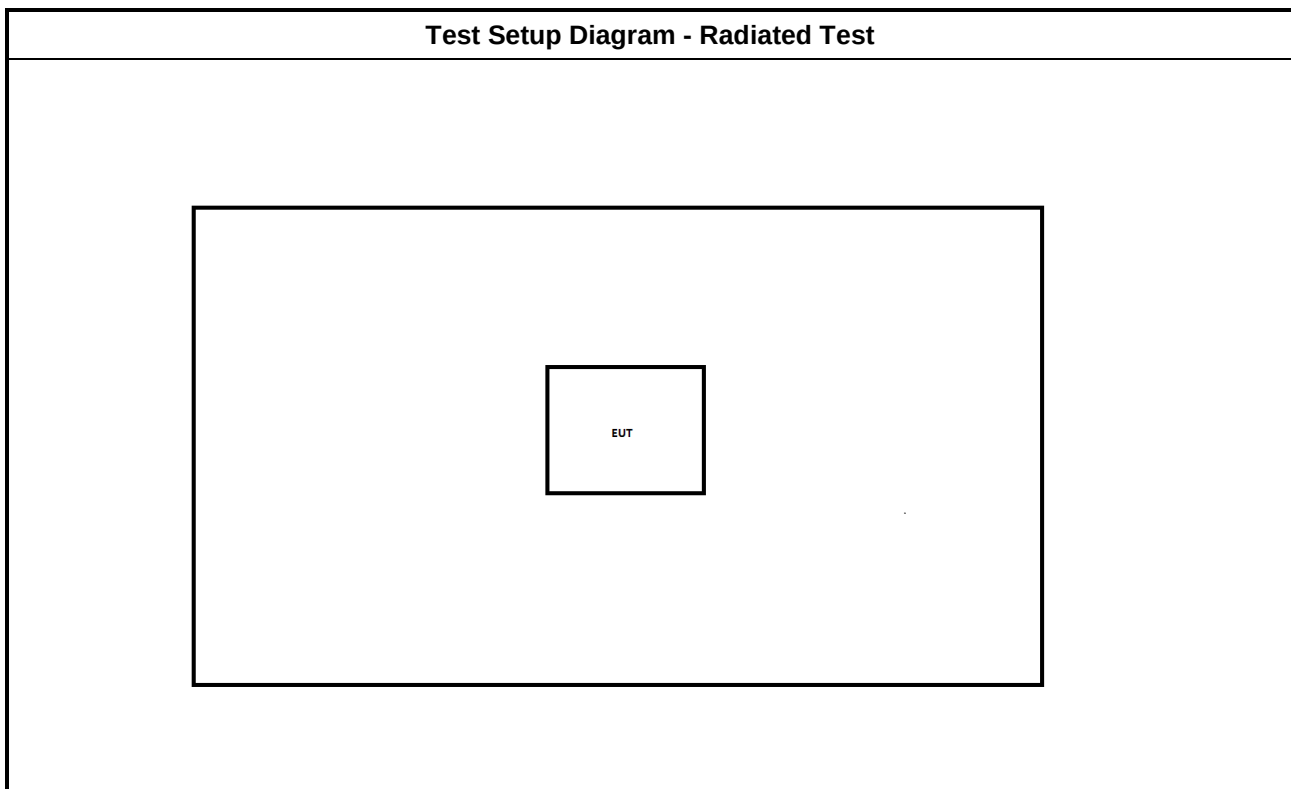
Accessories				
Battery	Brand Name	Sunland Power	Model Name	GSP104060
	Manufacturer	Guangzhou Great Power Energy & Technology Co., Ltd.		
	Power Rating	3.7 Vdc, 11.1 WAh	Type	Li-ion, Yes

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

2.5 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Phone	ASUS	Z01RD	-	Provided by Customer

2.6 Test Setup Diagram



3 Transmitter Test Result

3.1 20dB Bandwidth and Carrier Frequency Separation

3.1.1 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

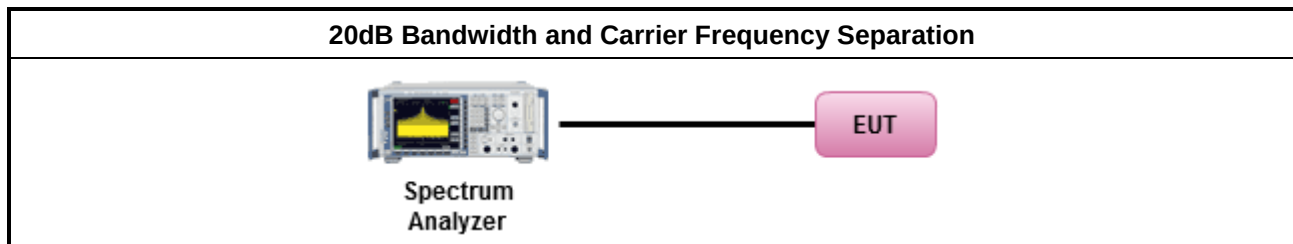
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.9.2 for 20 dB bandwidth measurement.
☒ Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

3.1.4 Test Setup



3.1.5 Test Result of 20dB Bandwidth

Refer as Appendix A

3.1.6 Test Result of Carrier Frequency Separation

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

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

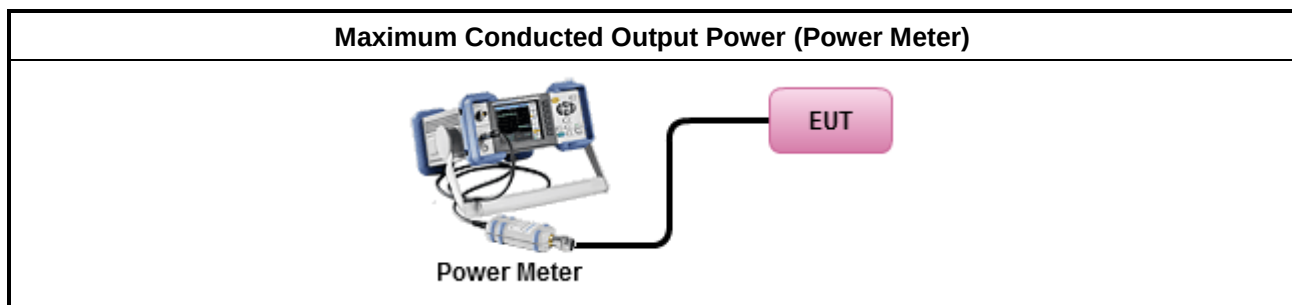
3.2.2 Measuring Instruments

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

3.2.3 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 ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☒	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 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]) $EIRP_{total} = P_{total} + DG$	

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Power Spectral Density Limit

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

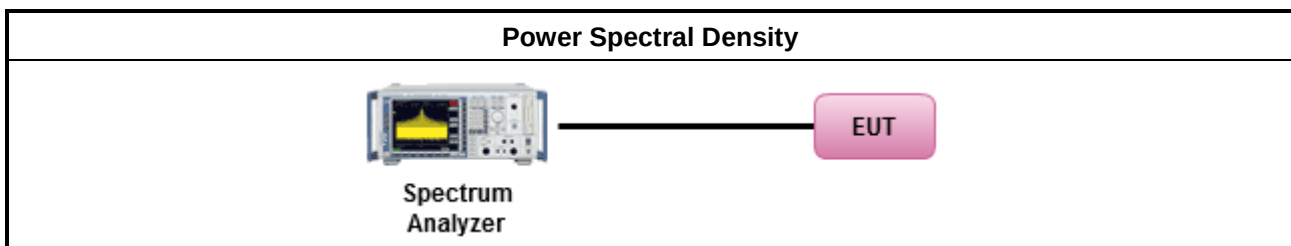
3.3.2 Measuring Instruments

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

3.3.3 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.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 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.	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

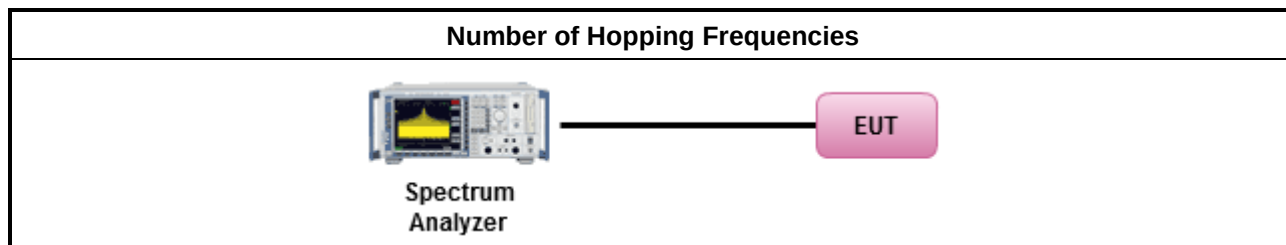
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
☒ Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 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	

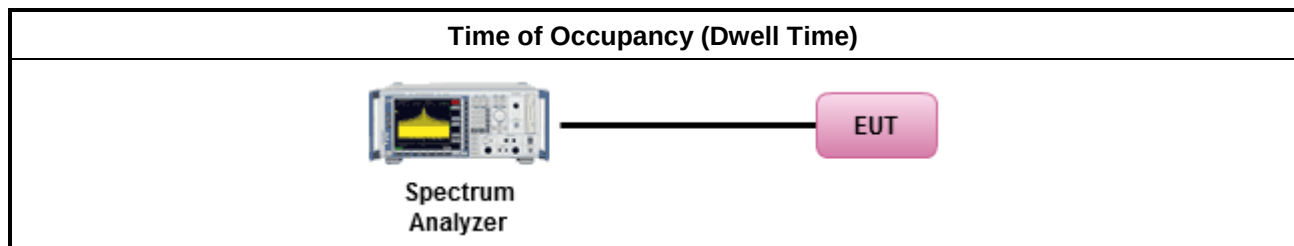
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 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.	

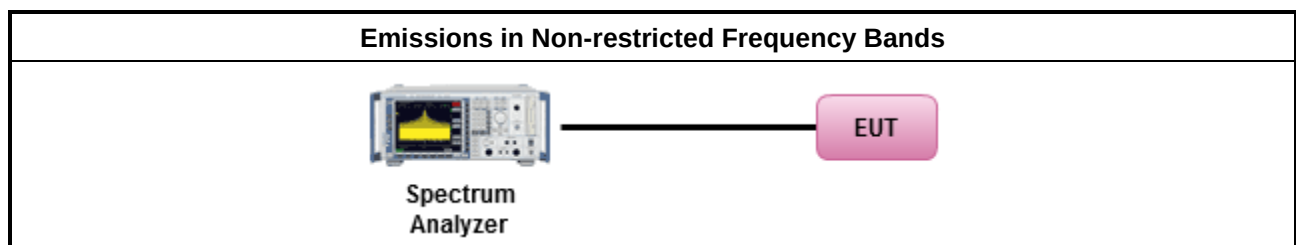
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

3.7 Emissions in Restricted Frequency Bands

3.7.1 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.

3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

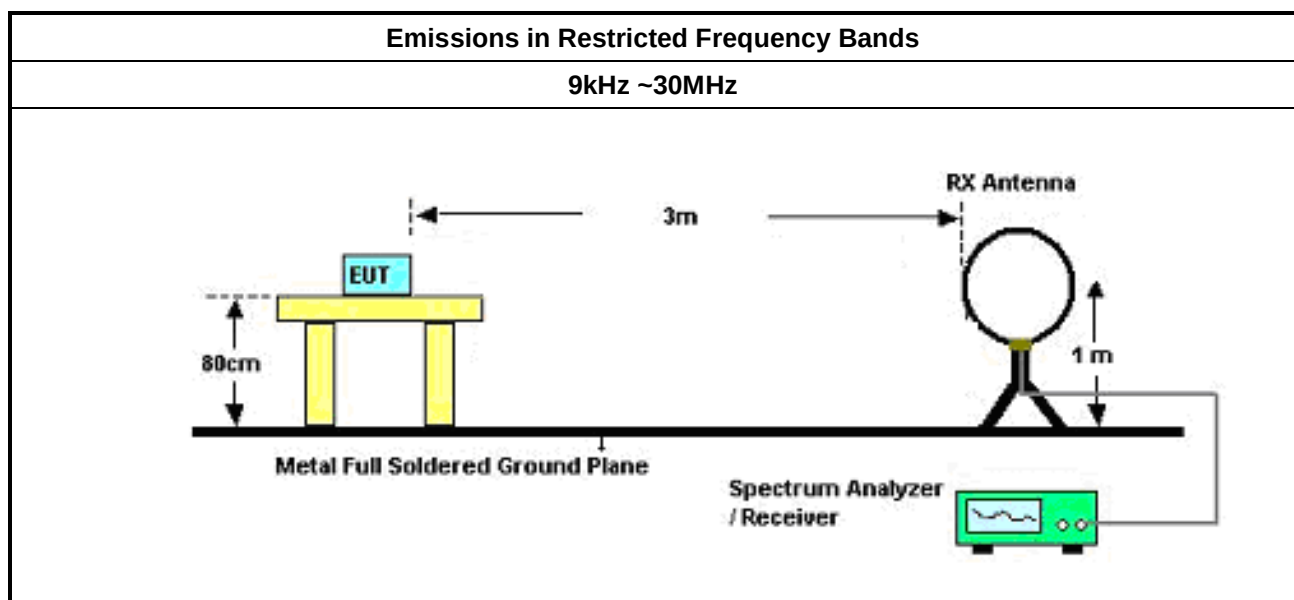
Test Method	
▪	The average emission levels shall be measured in [hopping duty factor].
	Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
▪	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	Refer as ANSI C63.10, clause 4.1.4.2.4 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.

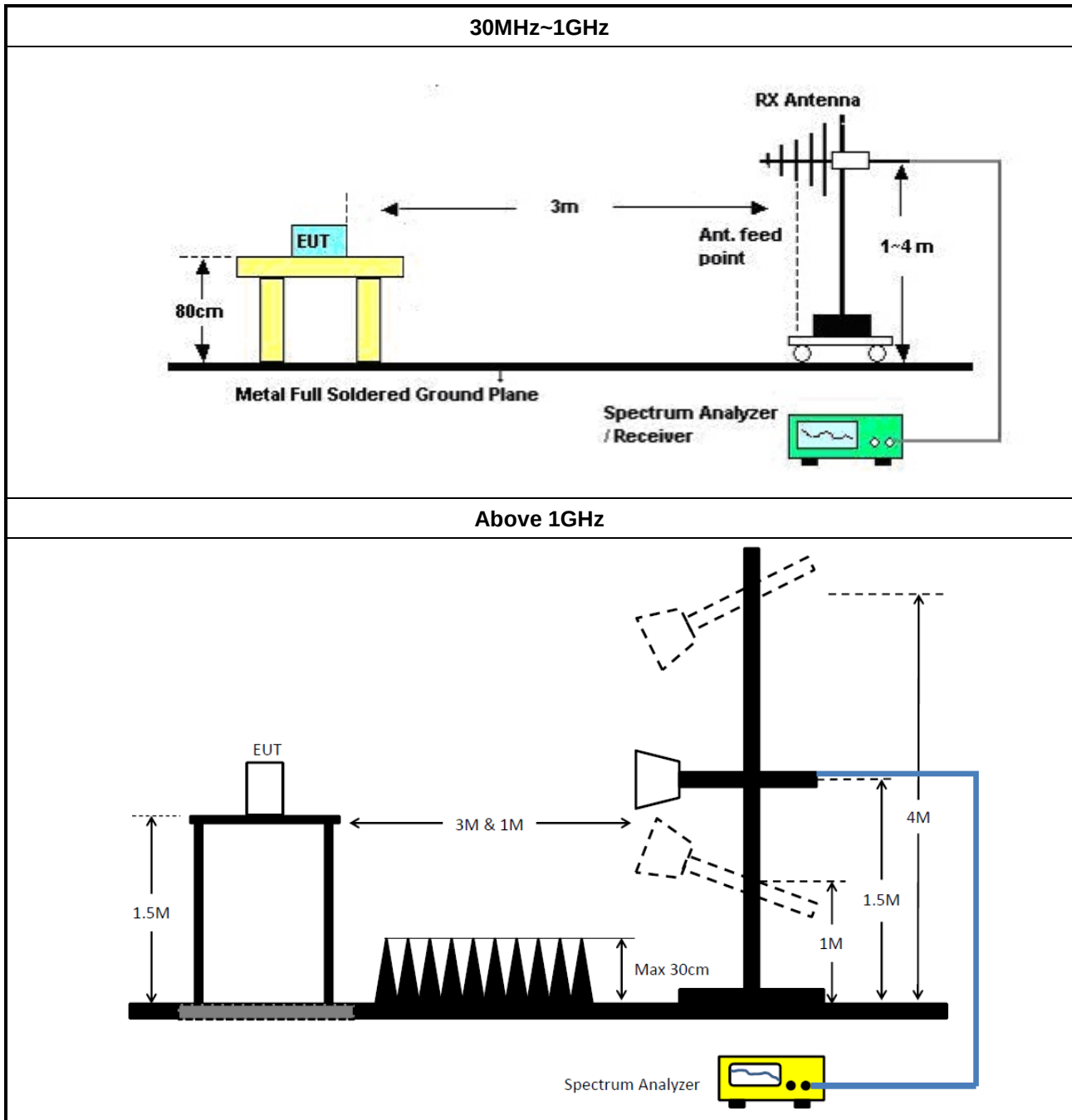
3.7.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.7.5 Test Setup





3.7.6 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.

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



4 Test Equipment and Calibration Data

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	07/Mar/2025	06/Mar/2026
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	06/Mar/2025	05/Mar/2026
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	04/Oct/2024	03/Oct/2025
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2024	07/Apr/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	20/Dec/2024	19/Dec/2025
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	19/Jul/2024	18/Jul/2025
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D& MTJ6102-05	35418 & 3	30MHz~1GHz	26/Aug/2024	25/Aug/2025
RF Cable-R03m	Jye Bao	RG142	03CH09-cable-0 1	9kHz~1GHz	19/Feb/2025	18/Feb/2026
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX1 04	03CH09-cable-0 2	1GHz~40GHz	07/Oct/2024	06/Oct/2025
Loop Antenna	TESEQ	HLA 6120	65417	9kHz~30MHz	17/Oct/2024	16/Oct/2025
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
SENSE-15247_ FS	Sporton	V5.11.23	NA	NA	NA	NA

Instrument for Conducted Test

Instrument	Manufacturer/ Brand Name	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV3044	101439	10Hz~44GHz	23/Dec/2024	22/Dec/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	18/Dec/2024	17/Dec/2025
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	18/Dec/2024	17/Dec/2025
SENSE-15247_ FS	Sporton	V5.11.23	N/A	N/A	N/A	N/A



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
LoRa (125kHz)	143.688k	127.124k	127KF1D	142.656k	125.562k

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	143.688k	125.562k
911.1MHz	Pass	Inf	143.688k	126.187k
919.8MHz	Pass	Inf	142.656k	127.124k

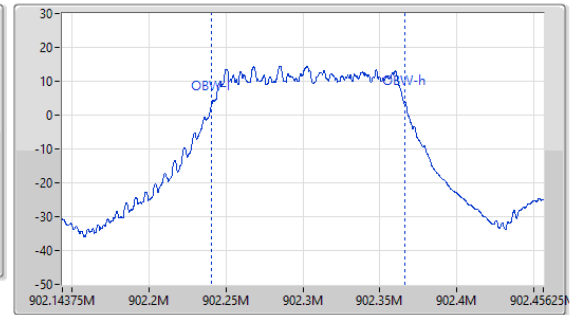
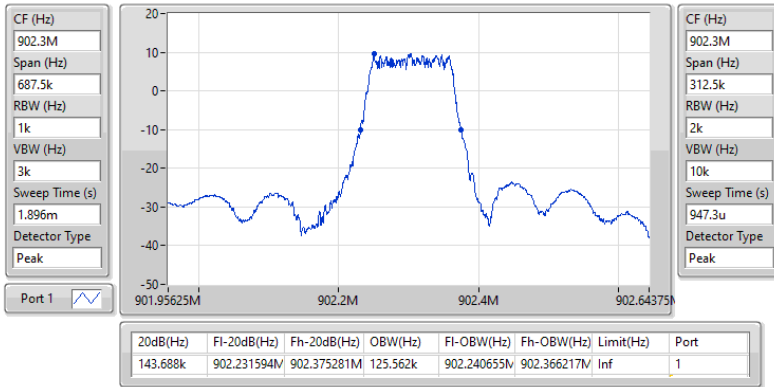
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_LoRa (125kHz)

EBW-FS

902.3MHz

19/03/2025





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
902-928MHz	-	-
LoRa (125kHz)	228.1875k	162k

Result

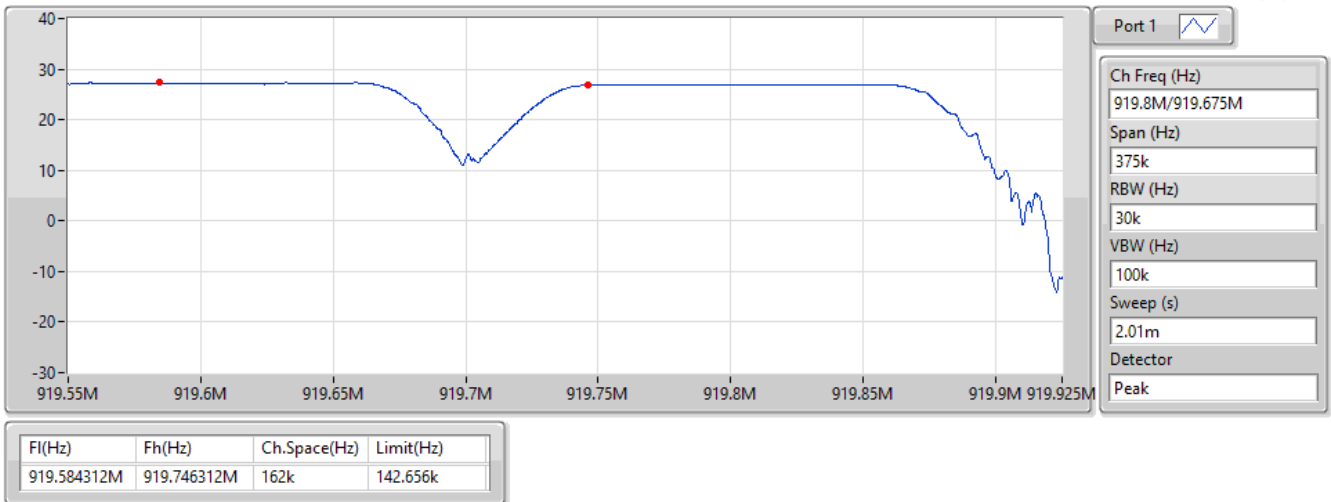
Mode	Result	Fi (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
LoRa (125kHz)	-	-	-	-	-
902.3MHz	Pass	902.252625M	902.480812M	228.1875k	143.688k
911.1MHz	Pass	910.880562M	911.053438M	172.875k	143.688k
919.8MHz	Pass	919.584312M	919.746312M	162k	142.656k

902-928MHz_LoRa (125kHz)

Channel Separation-FS

919.8M/919.675MHz

19/03/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
FSK-HS	306.25k	459.77k	460KF1D	303.125k	431.034k

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)
FSK-HS	-	-	-	-
923.3MHz	Pass	Inf	306.25k	459.77k
927.5MHz	Pass	Inf	303.125k	431.034k

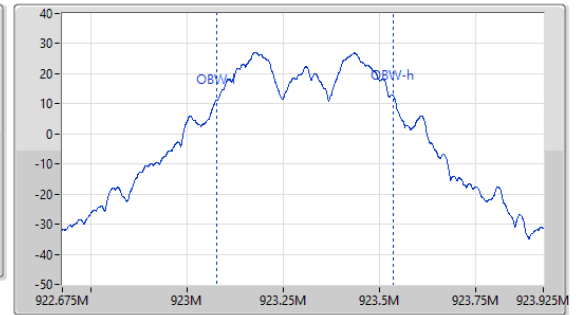
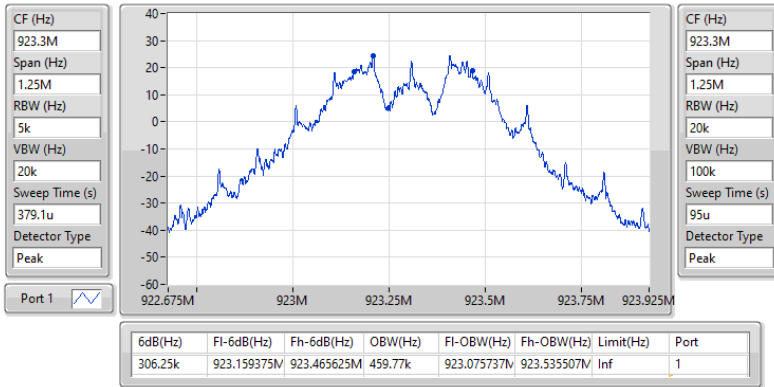
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_FSK-HS

EBW-HS

923.3MHz

19/03/2025





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
902-928MHz	-	-
FSK-HS	498k	492.75k

Result

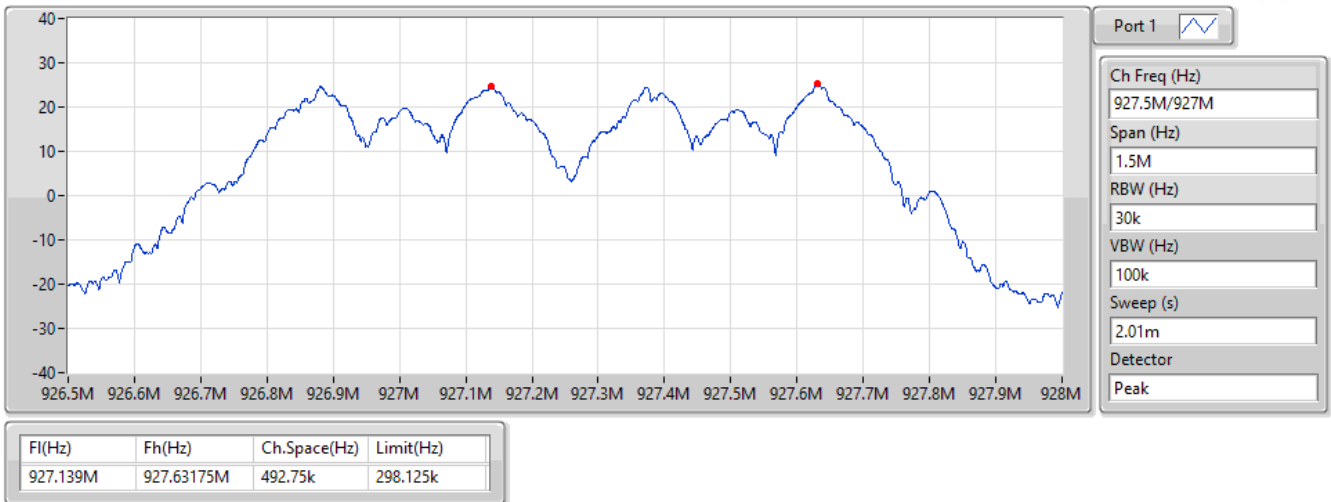
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
FSK-HS	-	-	-	-	-
923.3MHz	Pass	923.436M	923.934M	498k	306.25k
927.5MHz	Pass	927.139M	927.63175M	492.75k	303.125k

902-928MHz_FSK-HS

Channel Separation-HS

927.5M/927MHz

19/03/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
LoRa (500kHz)	621.875k	512.244k	512KF1D	621.25k	501k

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	621.875k	501k
909.4MHz	Pass	500k	621.25k	502.249k
919.1MHz	Pass	500k	621.25k	512.244k

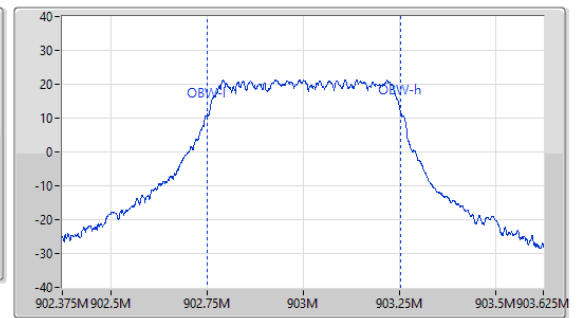
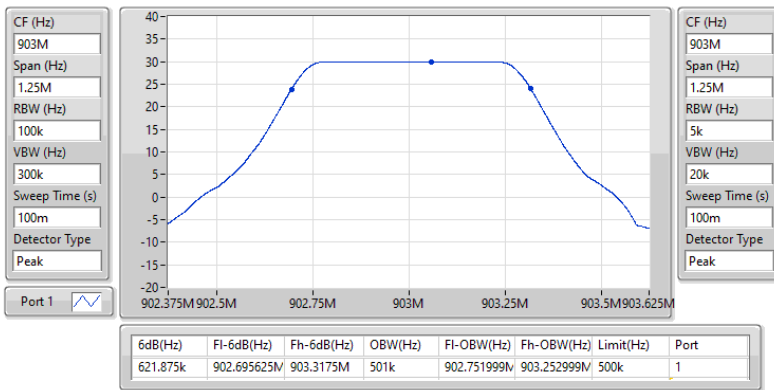
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_LoRa (500kHz)

EBW-DTS

903MHz

19/03/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
LoRa (125kHz)	29.39	0.86896



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (125kHz)	-	-	-	-
902.3MHz	Pass	2.00	20.13	30.00
911.1MHz	Pass	2.00	29.39	30.00
919.8MHz	Pass	2.00	27.32	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	-	-
FSK-HS	26.71	0.46881



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
FSK-HS	-	-	-	-
923.3MHz	Pass	2.00	26.71	30.00
927.5MHz	Pass	2.00	26.52	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)	29.99	0.99770



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
LoRa (500kHz)	-	-	-	-
903MHz	Pass	2.00	29.99	30.00
909.4MHz	Pass	2.00	29.97	30.00
919.1MHz	Pass	2.00	29.86	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	-
FSK-HS	7.71

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
FSK-HS	-	-	-	-
923.3MHz	Pass	2.00	7.63	8.00
927.5MHz	Pass	2.00	7.71	8.00

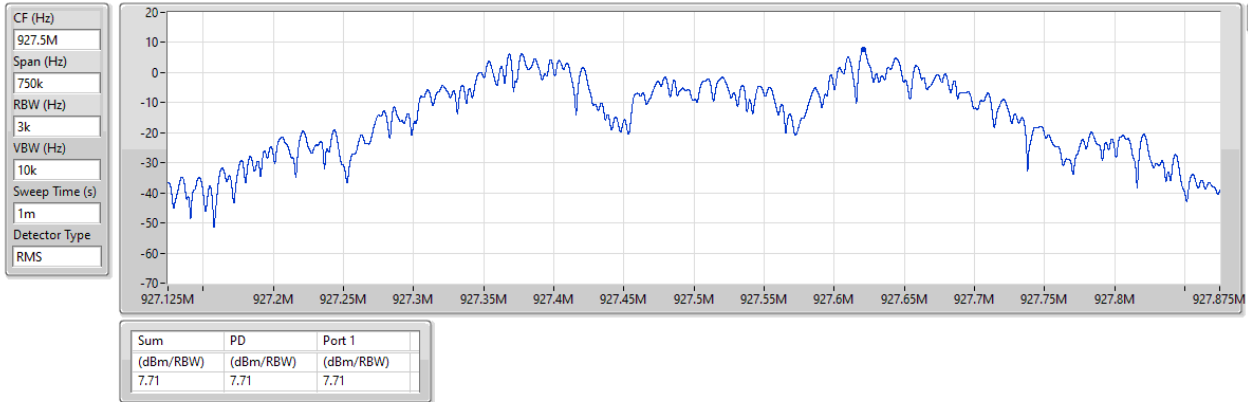
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

902-928MHz_FSK-HS

PSD

927.5MHz

19/03/2025





Summary

Mode	PD (dBm/RBW)
902-928MHz	-
LoRa (500kHz)	6.92

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
LoRa (500kHz)	-	-	-	-
903MHz	Pass	2.00	6.92	8.00
909.4MHz	Pass	2.00	6.16	8.00
919.1MHz	Pass	2.00	5.89	8.00

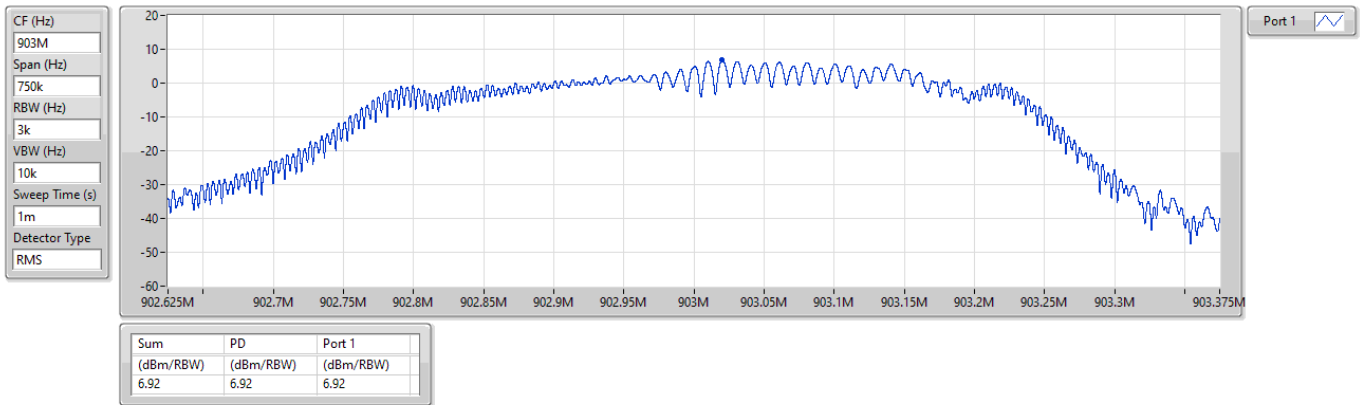
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

902-928MHz_LoRa (500kHz)

PSD

903MHz

19/03/2025





Summary

Mode	Max-Hop No
902-928MHz	-
LoRa (125kHz)	88



Result

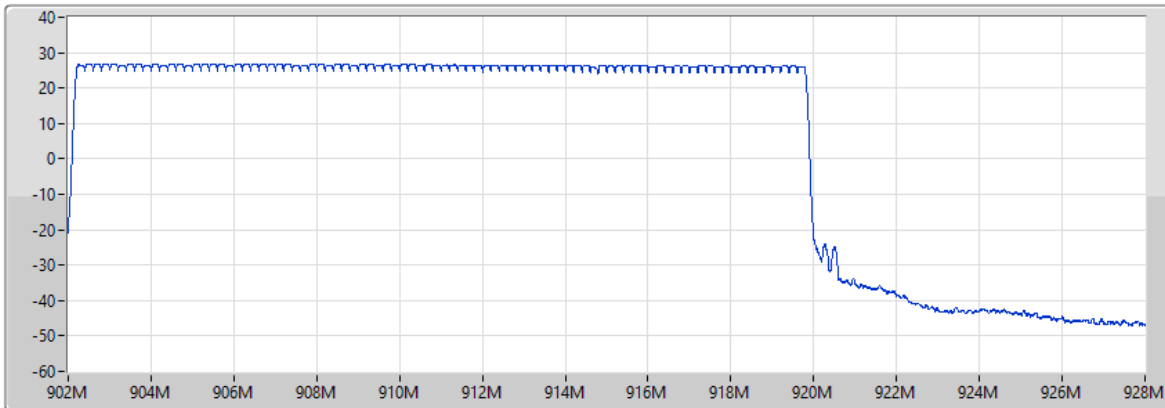
Mode	Result	Hopping No	Limit
LoRa (125kHz)	-	-	-
911.1MHz	Pass	88	50

902-928MHz_LoRa (125kHz)

Hopping-FS

911.1MHz

19/03/2025



Port 1 

Hopping No
88

Span (Hz)
26M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
200ms

Detector
Peak

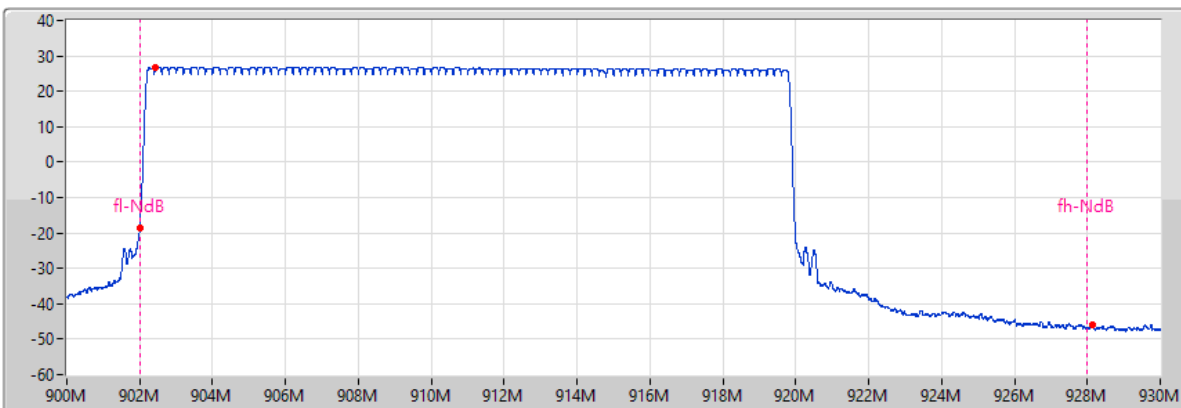
Hopping No	Limit
88	50

902-928MHz_LoRa (125kHz)

911.1MHz

Hopping Ch Bandedge (Non-restricted Band)

19/03/2025



Port 1 

Span (Hz)
30M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep (s)
200m

Detector
Peak

Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
6.71	902.44125M	26.71	901.99875M	-18.66	928.1475M	-45.9



Summary

Mode	Max-Hop No
902-928MHz	-
FSK-HS	8



Result

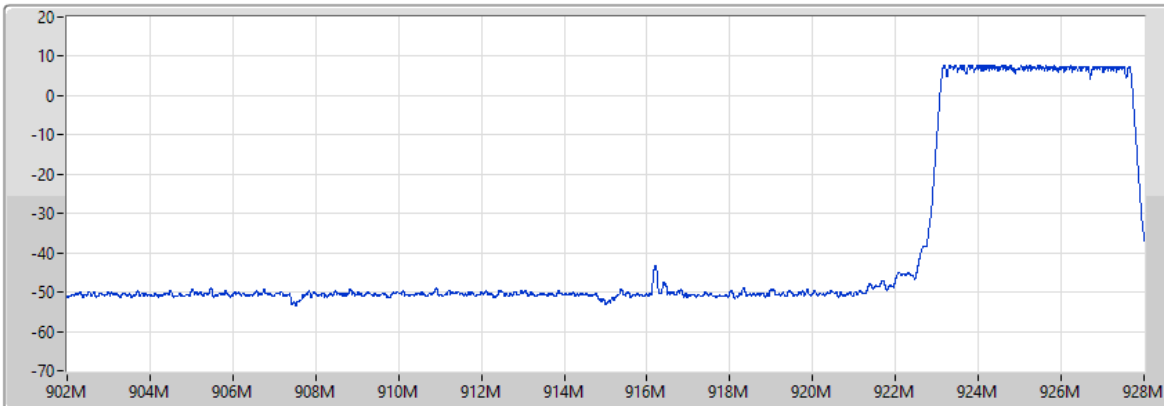
Mode	Result	Hopping No	Limit
FSK-HS	-	-	-
925.7MHz	Pass	8	inf

902-928MHz_FSK-HS

Hopping-HS

925.7MHz

19/03/2025



Port 1

Hopping No
8

Span (Hz)
26M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
75.8us

Detector
Peak

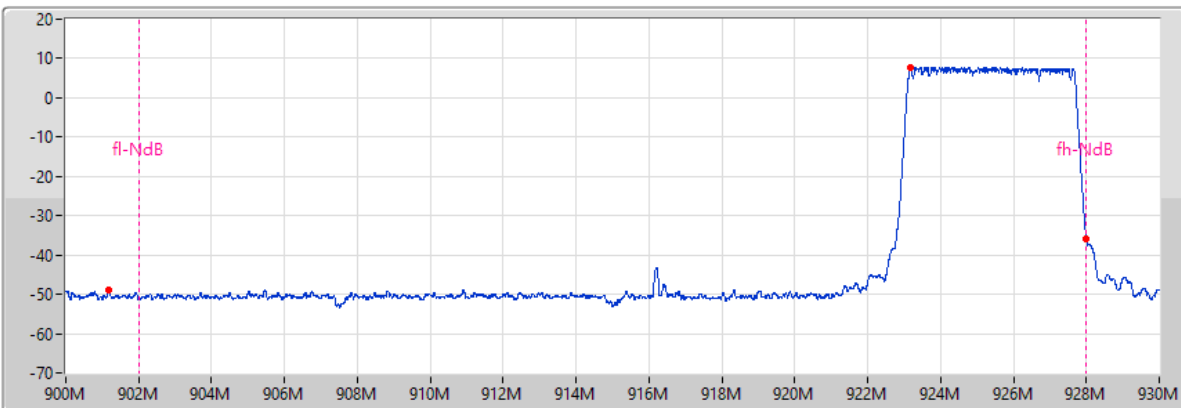
Hopping No	Limit
8	inf

902-928MHz_FSK-HS

925.7MHz

Hopping Ch Bandedge (Non-restricted Band)

19/03/2025



Port 1

Span (Hz)
30M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep (s)
75.8u

Detector
Peak

Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-12.3	923.1825M	7.7	901.18125M	-49.08	928.00125M	-35.86



Summary

Mode 902-928MHz	Dwell -
LoRa (125kHz)	92.79375m



Result

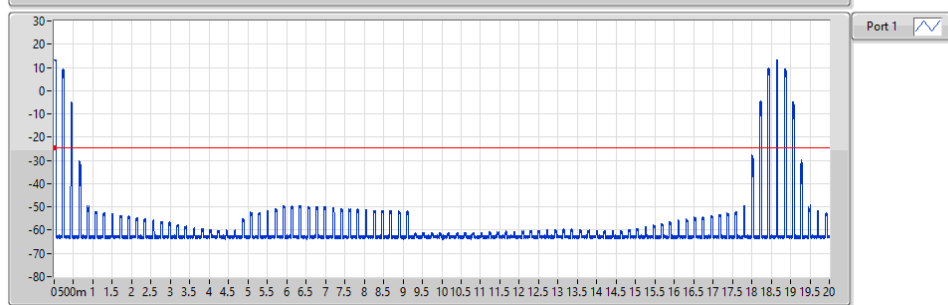
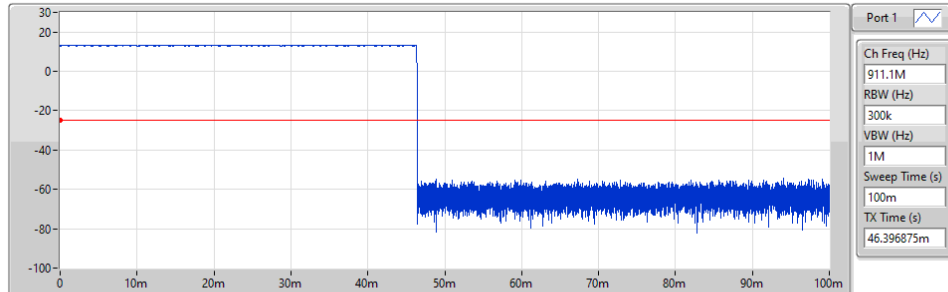
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
LoRa (125kHz)	-	-	-	-	-
911.1MHz	Pass	20	92.79375m	400m	46.396875m

902-928MHz_LoRa (125kHz)

Dwell-FS

911.1MHz

06/03/2025



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
20	92.79375m	400m	46.396875m



Summary

Mode 902-928MHz	Dwell -
FSK-HS	1.5355m



Result

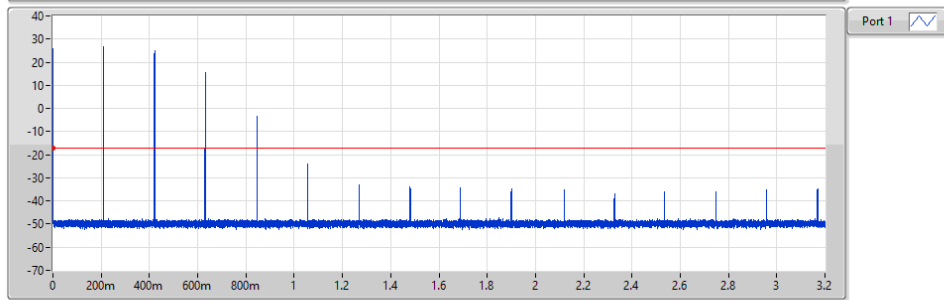
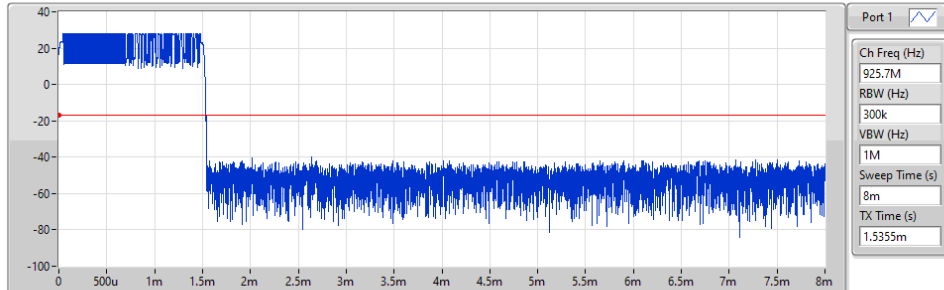
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
FSK-HS	-	-	-	-	-
925.7MHz	Pass	3.2	1.5355m	400m	1.5355m

902-928MHz_FSK-HS

Dwell-HS

925.7MHz

06/03/2025



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
3.2	1.5355m	400m	1.5355m



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	19.95	-0.05	870.5M	-45.50	892M	-5.26	902M	-18.35	942.36M	-11.66	6.99926G	-36.94	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	19.95	-0.05	870.5M	-45.50	892M	-5.26	902M	-18.35	942.36M	-11.66	6.99926G	-36.94	1
911.1MHz	Pass	911.05M	28.99	8.99	743.12M	-17.54	887.44M	0.96	902M	-44.50	932.04M	-0.14	9.68205G	-37.91	1
919.8MHz	Pass	919.78M	26.93	6.93	847.07M	-33.88	897.6M	1.17	902M	-44.94	937.8M	0.49	6.99587G	-37.91	1

902-928MHz LoRa (125kHz)

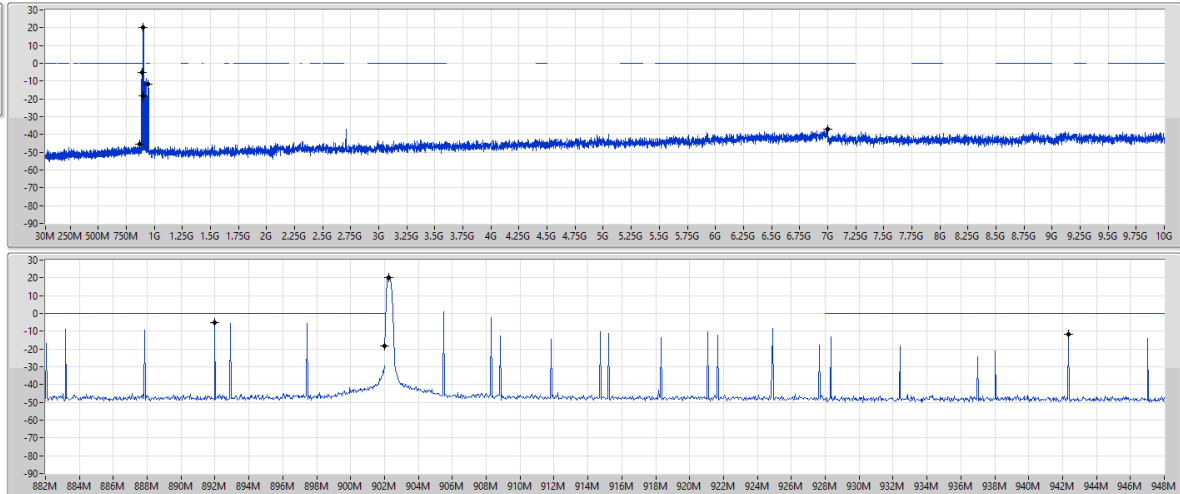
CSEndB-FS

902.3MHz

19/03/2025

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	19.95	-0.05	870.5M	-45.50	892M	-5.26	902M	-18.35	942.36M	-11.66	6.99926G	-36.94	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FSK-HS	Pass	927.38M	29.29	9.29	812.14M	-47.02	895.64M	-41.92	928M	-9.34	928M	-14.65	5.56565G	-43.44	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
FSK-HS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
923.3MHz	Pass	923.48M	26.42	6.42	816.4M	-42.90	891.44M	-43.65	928M	-43.65	929.48M	-42.44	1.84641G	-37.19	1
927.5MHz	Pass	927.38M	29.29	9.29	812.14M	-47.02	895.64M	-41.92	928M	-9.34	928M	-14.65	5.56565G	-43.44	1

902-928MHz_FSK-HS

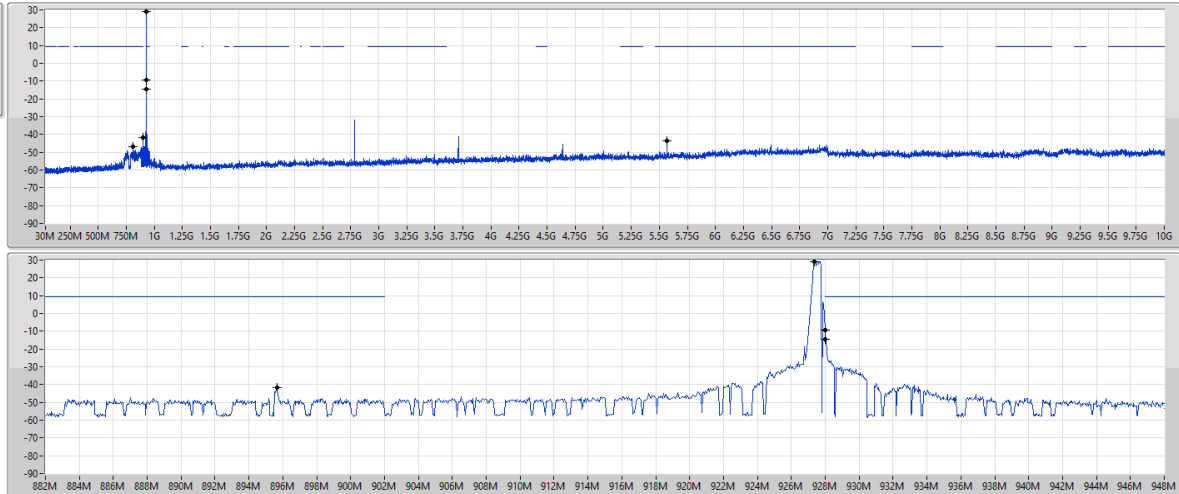
CSEndB-HS

927.5MHz

19/03/2025

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
927.38M	29.29	9.29	812.14M	-47.02	895.64M	-41.92	928M	-9.34	928M	-14.65	5.56565G	-43.44	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	29.76	9.76	871.35M	-44.19	900.84M	-20.76	902M	-21.89	935.08M	-42.65	1.80568G	-31.70	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	29.76	9.76	871.35M	-44.19	900.84M	-20.76	902M	-21.89	935.08M	-42.65	1.80568G	-31.70	1
909.4MHz	Pass	909.18M	29.62	9.62	877.74M	-44.14	900.8M	-44.06	902M	-46.24	941.28M	-43.15	1.81812G	-31.84	1
919.1MHz	Pass	918.9M	28.87	8.87	809.58M	-47.22	886.88M	-42.02	928M	-46.77	928.4M	-46.71	1.83849G	-32.36	1

902-928MHz LoRa (500kHz)

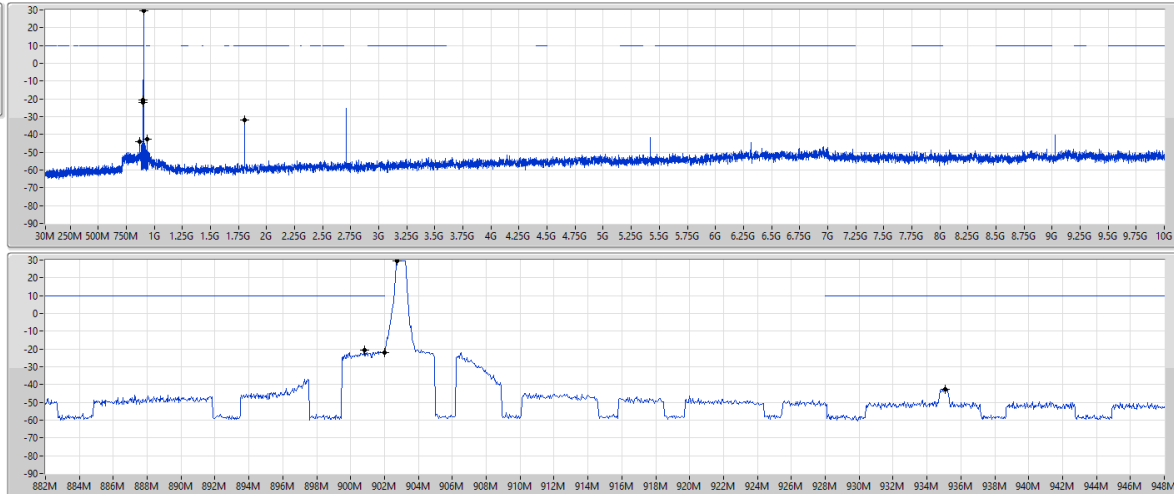
CSEndB-DTS

903MHz

19/03/2025

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	29.76	9.76	871.35M	-44.19	900.84M	-20.76	902M	-21.89	935.08M	-42.65	1.80568G	-31.70	1



Summary

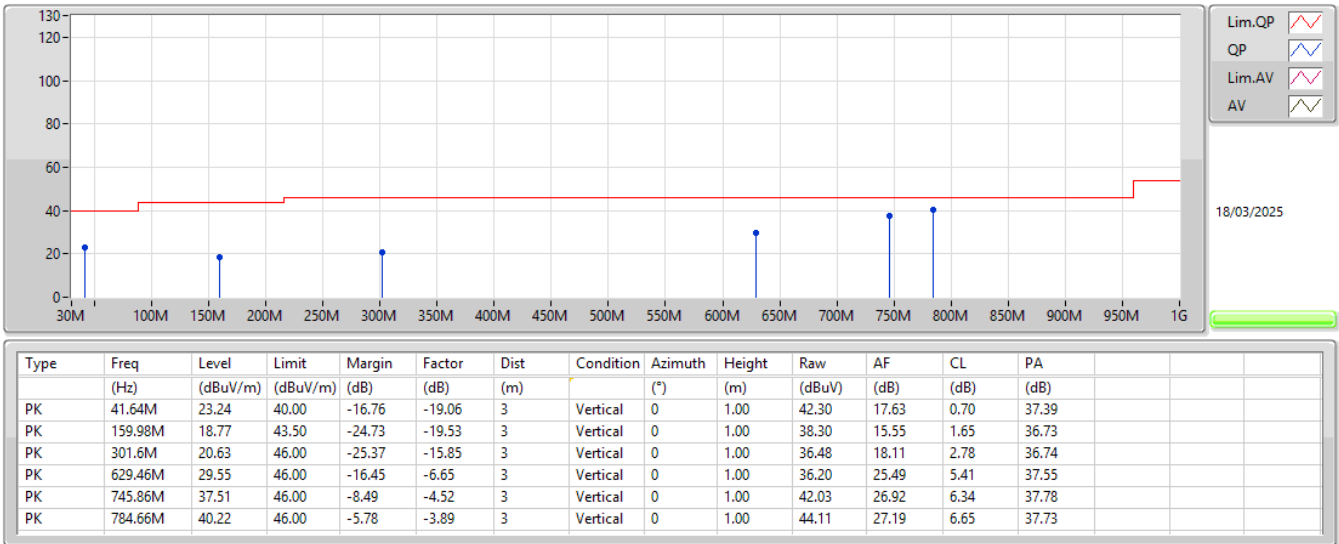
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
LoRa (125kHz)	Pass	PK	784.66M	40.22	46.00	-5.78	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
LoRa (125kHz)	-	-	-	-	-	-	-	-	-	-
902.3MHz_Battery	Pass	PK	41.64M	23.24	40.00	-16.76	3	Vertical	0	1.00
902.3MHz_Battery	Pass	PK	159.98M	18.77	43.50	-24.73	3	Vertical	0	1.00
902.3MHz_Battery	Pass	PK	301.6M	20.63	46.00	-25.37	3	Vertical	0	1.00
902.3MHz_Battery	Pass	PK	629.46M	29.55	46.00	-16.45	3	Vertical	0	1.00
902.3MHz_Battery	Pass	PK	745.86M	37.51	46.00	-8.49	3	Vertical	0	1.00
902.3MHz_Battery	Pass	PK	784.66M	40.22	46.00	-5.78	3	Vertical	0	1.00
902.3MHz_Battery	Pass	PK	30M	20.43	40.00	-19.57	3	Horizontal	360	1.00
902.3MHz_Battery	Pass	PK	156.1M	17.58	43.50	-25.92	3	Horizontal	360	1.00
902.3MHz_Battery	Pass	PK	317.12M	29.45	46.00	-16.55	3	Horizontal	360	1.00
902.3MHz_Battery	Pass	PK	390.84M	22.51	46.00	-23.49	3	Horizontal	360	1.00
902.3MHz_Battery	Pass	PK	664.38M	28.17	46.00	-17.83	3	Horizontal	360	1.00
902.3MHz_Battery	Pass	QP	774.96M	37.67	46.00	-8.33	3	Horizontal	12	1.00

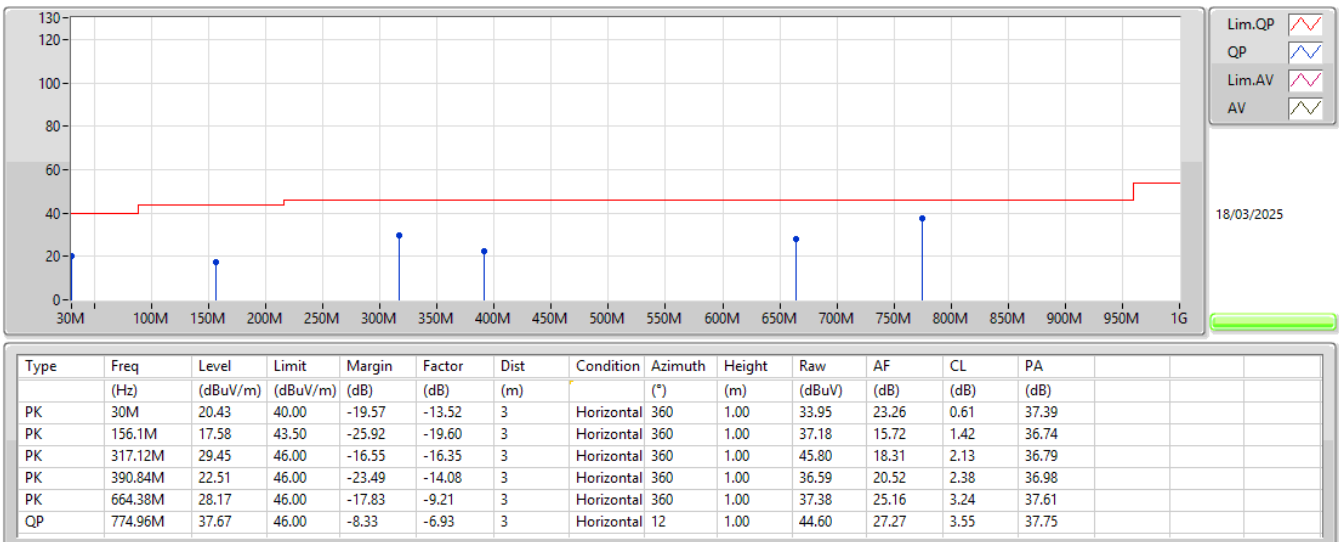
902-928MHz_LoRa (125kHz)

902.3MHz_Battery



902-928MHz_LoRa (125kHz)

902.3MHz_Battery





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	4.59899G	53.31	54.00	-0.69	3	Vertical	264	1.21
LoRa (500kHz)	Pass	AV	5.45689G	53.89	54.00	-0.11	3	Vertical	265	1.00
FSK-HS	Pass	AV	2.78261G	53.28	54.00	-0.72	3	Vertical	172	3.00

Result

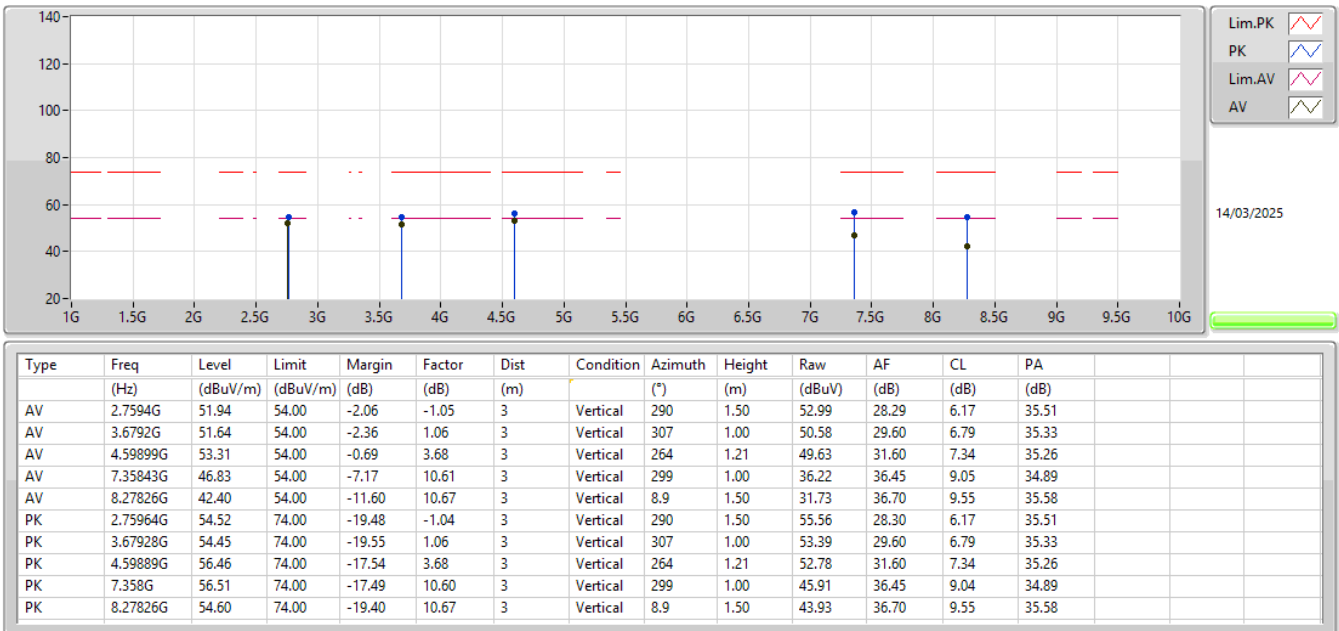
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
LoRa (125kHz)	-	-	-	-	-	-	-	-	-	-
902.3MHz_TX	Pass	AV	2.7069G	45.11	54.00	-8.89	3	Vertical	156	1.50
902.3MHz_TX	Pass	AV	3.60918G	49.68	54.00	-4.32	3	Vertical	308	1.00
902.3MHz_TX	Pass	AV	4.5115G	44.95	54.00	-9.05	3	Vertical	265	1.50
902.3MHz_TX	Pass	AV	5.41378G	51.85	54.00	-2.15	3	Vertical	262	1.21
902.3MHz_TX	Pass	AV	8.1206G	42.00	54.00	-12.00	3	Vertical	117	2.08
902.3MHz_TX	Pass	PK	2.70697G	49.91	74.00	-24.09	3	Vertical	156	1.50
902.3MHz_TX	Pass	PK	3.60899G	53.39	74.00	-20.61	3	Vertical	308	1.00
902.3MHz_TX	Pass	PK	4.51136G	51.65	74.00	-22.35	3	Vertical	265	1.50
902.3MHz_TX	Pass	PK	5.41393G	56.12	74.00	-17.88	3	Vertical	262	1.21
902.3MHz_TX	Pass	PK	8.12085G	54.89	74.00	-19.11	3	Vertical	117	2.08
902.3MHz_TX	Pass	AV	2.70695G	43.39	54.00	-10.61	3	Horizontal	3	3.00
902.3MHz_TX	Pass	AV	3.60921G	40.87	54.00	-13.13	3	Horizontal	224	1.00
902.3MHz_TX	Pass	AV	4.51149G	44.63	54.00	-9.37	3	Horizontal	270	1.00
902.3MHz_TX	Pass	AV	5.41379G	47.46	54.00	-6.54	3	Horizontal	196	2.57
902.3MHz_TX	Pass	AV	8.12079G	44.03	54.00	-9.97	3	Horizontal	40	1.00
902.3MHz_TX	Pass	PK	2.70702G	48.89	74.00	-25.11	3	Horizontal	3	3.00
902.3MHz_TX	Pass	PK	3.6095G	48.39	74.00	-25.61	3	Horizontal	224	1.00
902.3MHz_TX	Pass	PK	4.51155G	51.27	74.00	-22.73	3	Horizontal	270	1.00
902.3MHz_TX	Pass	PK	5.41364G	53.74	74.00	-20.26	3	Horizontal	196	2.57
902.3MHz_TX	Pass	PK	8.12061G	55.17	74.00	-18.83	3	Horizontal	40	1.00
911.1MHz_TX	Pass	AV	2.73328G	52.73	54.00	-1.27	3	Vertical	225	1.50
911.1MHz_TX	Pass	AV	3.64437G	52.23	54.00	-1.77	3	Vertical	266	1.50
911.1MHz_TX	Pass	AV	4.55547G	48.00	54.00	-6.00	3	Vertical	259	1.06
911.1MHz_TX	Pass	AV	7.28874G	47.11	54.00	-6.89	3	Vertical	339	2.24
911.1MHz_TX	Pass	AV	8.19984G	46.57	54.00	-7.43	3	Vertical	116	2.19
911.1MHz_TX	Pass	PK	2.73323G	54.83	74.00	-19.17	3	Vertical	225	1.50
911.1MHz_TX	Pass	PK	3.64447G	55.08	74.00	-18.92	3	Vertical	266	1.50
911.1MHz_TX	Pass	PK	4.55529G	54.68	74.00	-19.32	3	Vertical	259	1.06
911.1MHz_TX	Pass	PK	7.28843G	56.24	74.00	-17.76	3	Vertical	339	2.24
911.1MHz_TX	Pass	PK	8.2005G	56.62	74.00	-17.38	3	Vertical	116	2.19
911.1MHz_TX	Pass	AV	2.73329G	50.21	54.00	-3.79	3	Horizontal	310	1.50
911.1MHz_TX	Pass	AV	3.64438G	51.32	54.00	-2.68	3	Horizontal	67	1.00
911.1MHz_TX	Pass	AV	4.55549G	43.62	54.00	-10.38	3	Horizontal	14	1.20
911.1MHz_TX	Pass	AV	7.28876G	46.70	54.00	-7.30	3	Horizontal	10	1.00
911.1MHz_TX	Pass	AV	8.19993G	50.60	54.00	-3.40	3	Horizontal	102	1.00
911.1MHz_TX	Pass	PK	2.73325G	53.13	74.00	-20.87	3	Horizontal	310	1.50
911.1MHz_TX	Pass	PK	3.64436G	54.30	74.00	-19.70	3	Horizontal	67	1.00
911.1MHz_TX	Pass	PK	4.5554G	50.73	74.00	-23.27	3	Horizontal	14	1.20
911.1MHz_TX	Pass	PK	7.28913G	56.44	74.00	-17.56	3	Horizontal	10	1.00
911.1MHz_TX	Pass	PK	8.20029G	58.22	74.00	-15.78	3	Horizontal	102	1.00
919.8MHz_TX	Pass	AV	2.7594G	51.94	54.00	-2.06	3	Vertical	290	1.50
919.8MHz_TX	Pass	AV	3.6792G	51.64	54.00	-2.36	3	Vertical	307	1.00
919.8MHz_TX	Pass	AV	4.59899G	53.31	54.00	-0.69	3	Vertical	264	1.21
919.8MHz_TX	Pass	AV	7.35843G	46.83	54.00	-7.17	3	Vertical	299	1.00
919.8MHz_TX	Pass	AV	8.27826G	42.40	54.00	-11.60	3	Vertical	8.9	1.50
919.8MHz_TX	Pass	PK	2.75964G	54.52	74.00	-19.48	3	Vertical	290	1.50
919.8MHz_TX	Pass	PK	3.67928G	54.45	74.00	-19.55	3	Vertical	307	1.00
919.8MHz_TX	Pass	PK	4.59889G	56.46	74.00	-17.54	3	Vertical	264	1.21
919.8MHz_TX	Pass	PK	7.358G	56.51	74.00	-17.49	3	Vertical	299	1.00
919.8MHz_TX	Pass	PK	8.27826G	54.60	74.00	-19.40	3	Vertical	8.9	1.50
919.8MHz_TX	Pass	AV	2.75939G	52.22	54.00	-1.78	3	Horizontal	358	2.94
919.8MHz_TX	Pass	AV	3.6792G	49.29	54.00	-4.71	3	Horizontal	2.9	2.97
919.8MHz_TX	Pass	AV	4.599G	48.77	54.00	-5.23	3	Horizontal	269	1.00
919.8MHz_TX	Pass	AV	7.3584G	47.89	54.00	-6.11	3	Horizontal	101	1.00
919.8MHz_TX	Pass	AV	8.27819G	47.64	54.00	-6.36	3	Horizontal	40	1.00
919.8MHz_TX	Pass	PK	2.7596G	54.56	74.00	-19.44	3	Horizontal	358	2.94
919.8MHz_TX	Pass	PK	3.67921G	52.98	74.00	-21.02	3	Horizontal	2.9	2.97
919.8MHz_TX	Pass	PK	4.59871G	53.38	74.00	-20.62	3	Horizontal	269	1.00
919.8MHz_TX	Pass	PK	7.35816G	56.66	74.00	-17.34	3	Horizontal	101	1.00
919.8MHz_TX	Pass	PK	8.27849G	56.97	74.00	-17.03	3	Horizontal	40	1.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
LoRa (500kHz)	-	-	-	-	-	-	-	-	-	-
903MHz_TX	Pass	AV	2.709G	52.68	54.00	-1.32	3	Vertical	157	1.50
903MHz_TX	Pass	AV	3.612G	50.38	54.00	-3.62	3	Vertical	312	1.50
903MHz_TX	Pass	AV	4.51489G	44.40	54.00	-9.60	3	Vertical	262	2.35
903MHz_TX	Pass	AV	5.41843G	51.54	54.00	-2.46	3	Vertical	268	1.15
903MHz_TX	Pass	AV	8.12731G	42.21	54.00	-11.79	3	Vertical	118	2.15
903MHz_TX	Pass	PK	2.70965G	57.41	74.00	-16.59	3	Vertical	157	1.50
903MHz_TX	Pass	PK	3.6125G	57.50	74.00	-16.50	3	Vertical	312	1.50
903MHz_TX	Pass	PK	4.5142G	54.50	74.00	-19.50	3	Vertical	262	2.35
903MHz_TX	Pass	PK	5.41933G	61.39	74.00	-12.61	3	Vertical	268	1.15
903MHz_TX	Pass	PK	8.12684G	55.77	74.00	-18.23	3	Vertical	118	2.15
903MHz_TX	Pass	AV	2.70898G	51.53	54.00	-2.47	3	Horizontal	43	1.50
903MHz_TX	Pass	AV	3.61211G	45.50	54.00	-8.50	3	Horizontal	283	1.00
903MHz_TX	Pass	AV	4.51479G	44.63	54.00	-9.37	3	Horizontal	271	1.50
903MHz_TX	Pass	AV	5.41852G	47.42	54.00	-6.58	3	Horizontal	198	2.20
903MHz_TX	Pass	AV	8.12762G	42.45	54.00	-11.55	3	Horizontal	14	1.14
903MHz_TX	Pass	PK	2.7084G	56.73	74.00	-17.27	3	Horizontal	43	1.50
903MHz_TX	Pass	PK	3.61151G	53.31	74.00	-20.69	3	Horizontal	283	1.00
903MHz_TX	Pass	PK	4.51521G	54.57	74.00	-19.43	3	Horizontal	271	1.50
903MHz_TX	Pass	PK	5.41915G	57.63	74.00	-16.37	3	Horizontal	198	2.20
903MHz_TX	Pass	PK	8.12894G	55.82	74.00	-18.18	3	Horizontal	14	1.14
909.4MHz_TX	Pass	AV	2.72827G	52.64	54.00	-1.36	3	Vertical	165	1.50
909.4MHz_TX	Pass	AV	3.63765G	50.74	54.00	-3.26	3	Vertical	309	1.00
909.4MHz_TX	Pass	AV	4.54651G	40.93	54.00	-13.07	3	Vertical	202	1.50
909.4MHz_TX	Pass	AV	5.45689G	53.89	54.00	-0.11	3	Vertical	265	1.00
909.4MHz_TX	Pass	AV	7.27518G	42.33	54.00	-11.67	3	Vertical	120	1.50
909.4MHz_TX	Pass	AV	8.18563G	41.86	54.00	-12.14	3	Vertical	116	1.20
909.4MHz_TX	Pass	PK	2.72852G	58.77	74.00	-15.23	3	Vertical	165	1.50
909.4MHz_TX	Pass	PK	3.63847G	57.97	74.00	-16.03	3	Vertical	309	1.00
909.4MHz_TX	Pass	PK	4.54728G	52.19	74.00	-21.81	3	Vertical	202	1.50
909.4MHz_TX	Pass	PK	5.45617G	63.45	74.00	-10.55	3	Vertical	265	1.00
909.4MHz_TX	Pass	PK	7.27644G	55.32	74.00	-18.68	3	Vertical	120	1.50
909.4MHz_TX	Pass	PK	8.18518G	55.21	74.00	-18.79	3	Vertical	116	1.20
909.4MHz_TX	Pass	AV	2.72818G	52.04	54.00	-1.96	3	Horizontal	8	2.84
909.4MHz_TX	Pass	AV	3.63758G	45.06	54.00	-8.94	3	Horizontal	5	2.79
909.4MHz_TX	Pass	AV	4.54678G	41.42	54.00	-12.58	3	Horizontal	214	1.50
909.4MHz_TX	Pass	AV	5.45688G	50.15	54.00	-3.85	3	Horizontal	184	2.50
909.4MHz_TX	Pass	AV	7.27556G	41.80	54.00	-12.20	3	Horizontal	12	1.32
909.4MHz_TX	Pass	AV	8.18588G	43.99	54.00	-10.01	3	Horizontal	38	1.00
909.4MHz_TX	Pass	PK	2.72847G	56.93	74.00	-17.07	3	Horizontal	8	2.84
909.4MHz_TX	Pass	PK	3.63824G	53.48	74.00	-20.52	3	Horizontal	5	2.79
909.4MHz_TX	Pass	PK	4.54722G	52.28	74.00	-21.72	3	Horizontal	214	1.50
909.4MHz_TX	Pass	PK	5.45703G	60.15	74.00	-13.85	3	Horizontal	184	2.50
909.4MHz_TX	Pass	PK	7.27523G	55.10	74.00	-18.90	3	Horizontal	12	1.32
909.4MHz_TX	Pass	PK	8.18475G	57.98	74.00	-16.02	3	Horizontal	38	1.00
919.1MHz_TX	Pass	AV	2.75733G	53.27	54.00	-0.73	3	Vertical	293	1.00
919.1MHz_TX	Pass	AV	3.67635G	47.53	54.00	-6.47	3	Vertical	273	1.50
919.1MHz_TX	Pass	AV	4.59577G	44.09	54.00	-9.91	3	Vertical	272	1.00
919.1MHz_TX	Pass	AV	7.35245G	43.35	54.00	-10.65	3	Vertical	342	1.00
919.1MHz_TX	Pass	AV	8.27077G	42.31	54.00	-11.69	3	Vertical	128	2.12
919.1MHz_TX	Pass	PK	2.75665G	57.98	74.00	-16.02	3	Vertical	293	1.00
919.1MHz_TX	Pass	PK	3.67568G	55.43	74.00	-18.57	3	Vertical	273	1.50
919.1MHz_TX	Pass	PK	4.59549G	54.94	74.00	-19.06	3	Vertical	272	1.00
919.1MHz_TX	Pass	PK	7.35437G	56.54	74.00	-17.46	3	Vertical	342	1.00
919.1MHz_TX	Pass	PK	8.27352G	56.16	74.00	-17.84	3	Vertical	128	2.12
919.1MHz_TX	Pass	AV	2.75729G	53.71	54.00	-0.29	3	Horizontal	12	3.00
919.1MHz_TX	Pass	AV	3.67643G	46.24	54.00	-7.76	3	Horizontal	66	1.00
919.1MHz_TX	Pass	AV	4.59585G	41.65	54.00	-12.35	3	Horizontal	344	3.00
919.1MHz_TX	Pass	AV	7.35217G	41.93	54.00	-12.07	3	Horizontal	5	2.60
919.1MHz_TX	Pass	AV	8.27046G	43.83	54.00	-10.17	3	Horizontal	49	1.00
919.1MHz_TX	Pass	PK	2.758G	58.46	74.00	-15.54	3	Horizontal	12	3.00
919.1MHz_TX	Pass	PK	3.67693G	54.23	74.00	-19.77	3	Horizontal	66	1.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
919.1MHz_TX	Pass	PK	4.59503G	52.35	74.00	-21.65	3	Horizontal	344	3.00
919.1MHz_TX	Pass	PK	7.35418G	55.34	74.00	-18.66	3	Horizontal	5	2.60
919.1MHz_TX	Pass	PK	8.27088G	57.68	74.00	-16.32	3	Horizontal	49	1.00
FSK-HS	-	-	-	-	-	-	-	-	-	-
923.3MHz_TX	Pass	AV	2.76994G	52.46	54.00	-1.54	3	Vertical	173	1.50
923.3MHz_TX	Pass	AV	3.69347G	49.59	54.00	-4.41	3	Vertical	310	1.05
923.3MHz_TX	Pass	AV	4.61716G	47.09	54.00	-6.91	3	Vertical	300	1.00
923.3MHz_TX	Pass	AV	7.38758G	44.80	54.00	-9.20	3	Vertical	175	2.28
923.3MHz_TX	Pass	AV	8.31092G	42.96	54.00	-11.04	3	Vertical	120	1.50
923.3MHz_TX	Pass	PK	2.77036G	58.32	74.00	-15.68	3	Vertical	173	1.50
923.3MHz_TX	Pass	PK	3.69377G	55.95	74.00	-18.05	3	Vertical	310	1.05
923.3MHz_TX	Pass	PK	4.6166G	55.84	74.00	-18.16	3	Vertical	300	1.00
923.3MHz_TX	Pass	PK	7.38749G	55.81	74.00	-18.19	3	Vertical	175	2.28
923.3MHz_TX	Pass	PK	8.30822G	55.07	74.00	-18.93	3	Vertical	120	1.50
923.3MHz_TX	Pass	AV	2.77002G	53.08	54.00	-0.92	3	Horizontal	9	2.88
923.3MHz_TX	Pass	AV	3.69365G	45.64	54.00	-8.36	3	Horizontal	157	1.00
923.3MHz_TX	Pass	AV	4.61708G	43.59	54.00	-10.41	3	Horizontal	334	2.92
923.3MHz_TX	Pass	AV	7.3854G	42.25	54.00	-11.75	3	Horizontal	174	1.03
923.3MHz_TX	Pass	AV	8.311G	46.32	54.00	-7.68	3	Horizontal	45	1.00
923.3MHz_TX	Pass	PK	2.76959G	57.64	74.00	-16.36	3	Horizontal	9	2.88
923.3MHz_TX	Pass	PK	3.6939G	53.06	74.00	-20.94	3	Horizontal	157	1.00
923.3MHz_TX	Pass	PK	4.61656G	52.49	74.00	-21.51	3	Horizontal	334	2.92
923.3MHz_TX	Pass	PK	7.38568G	54.24	74.00	-19.76	3	Horizontal	174	1.03
923.3MHz_TX	Pass	PK	8.31089G	57.24	74.00	-16.76	3	Horizontal	45	1.00
927.5MHz_TX	Pass	AV	2.78261G	53.28	54.00	-0.72	3	Vertical	172	3.00
927.5MHz_TX	Pass	AV	3.71043G	48.93	54.00	-5.07	3	Vertical	315	1.00
927.5MHz_TX	Pass	AV	4.63814G	49.41	54.00	-4.59	3	Vertical	265	1.50
927.5MHz_TX	Pass	AV	7.42121G	44.16	54.00	-9.84	3	Vertical	171	1.05
927.5MHz_TX	Pass	AV	8.34876G	43.36	54.00	-10.64	3	Vertical	190	2.41
927.5MHz_TX	Pass	PK	2.78217G	59.56	74.00	-14.44	3	Vertical	172	3.00
927.5MHz_TX	Pass	PK	3.71055G	55.57	74.00	-18.43	3	Vertical	315	1.00
927.5MHz_TX	Pass	PK	4.63839G	56.66	74.00	-17.34	3	Vertical	265	1.50
927.5MHz_TX	Pass	PK	7.41851G	55.06	74.00	-18.94	3	Vertical	171	1.05
927.5MHz_TX	Pass	PK	8.34859G	55.11	74.00	-18.89	3	Vertical	190	2.41
927.5MHz_TX	Pass	AV	2.78271G	52.27	54.00	-1.73	3	Horizontal	1	2.70
927.5MHz_TX	Pass	AV	3.71043G	48.21	54.00	-5.79	3	Horizontal	2	2.95
927.5MHz_TX	Pass	AV	4.63811G	45.06	54.00	-8.94	3	Horizontal	269	1.00
927.5MHz_TX	Pass	AV	7.42112G	44.99	54.00	-9.01	3	Horizontal	39	1.05
927.5MHz_TX	Pass	AV	8.34875G	47.19	54.00	-6.81	3	Horizontal	42	1.04
927.5MHz_TX	Pass	PK	2.78212G	57.02	74.00	-16.98	3	Horizontal	1	2.70
927.5MHz_TX	Pass	PK	3.71061G	54.91	74.00	-19.09	3	Horizontal	2	2.95
927.5MHz_TX	Pass	PK	4.63835G	53.94	74.00	-20.06	3	Horizontal	269	1.00
927.5MHz_TX	Pass	PK	7.42098G	56.42	74.00	-17.58	3	Horizontal	39	1.05
927.5MHz_TX	Pass	PK	8.34655G	57.32	74.00	-16.68	3	Horizontal	42	1.04

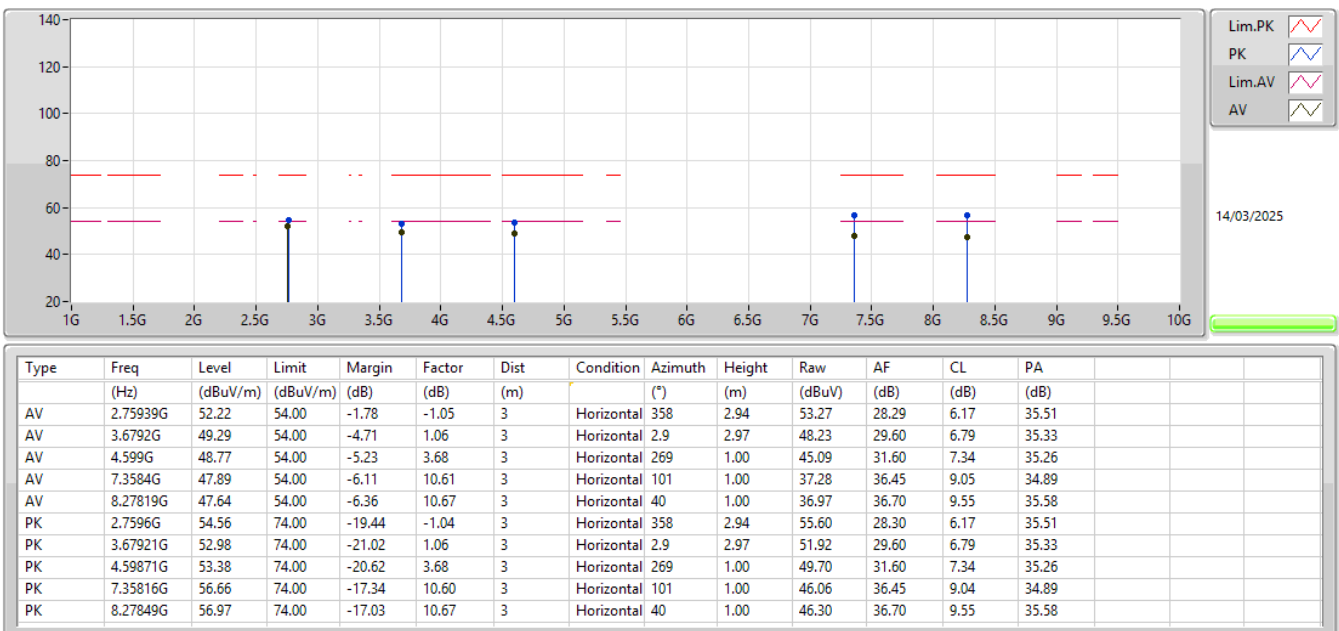
902-928MHz_LoRa (125kHz)

919.8MHz_TX



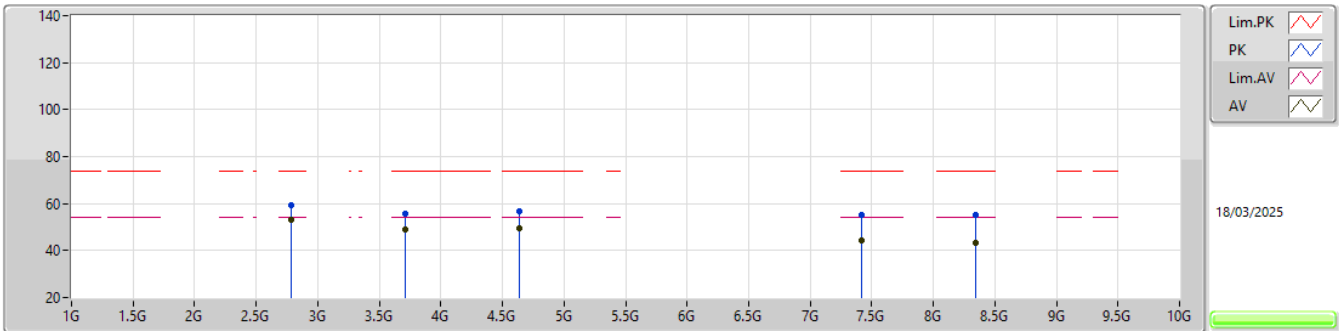
902-928MHz_LoRa (125kHz)

919.8MHz_TX



902-928MHz_FSK-HS

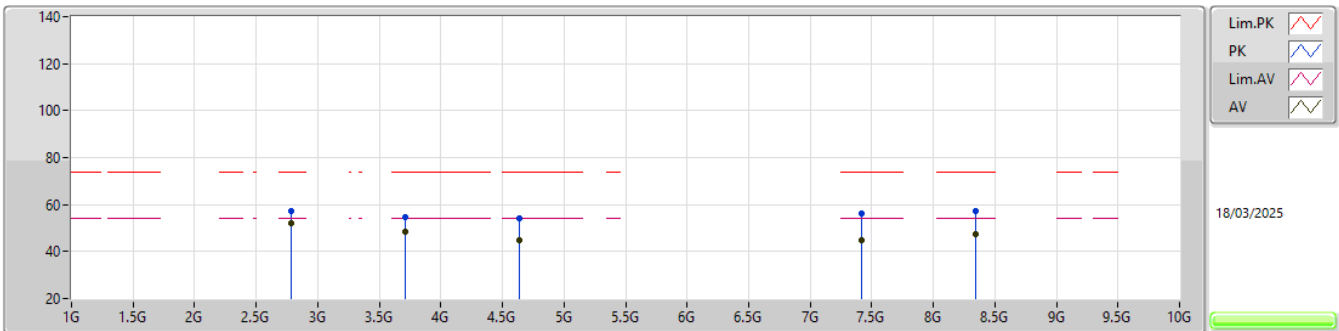
927.5MHz_TX



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	2.78261G	53.28	54.00	-0.72	-0.98	3	Vertical	172	3.00	54.26	28.33	6.20	35.51
AV	3.71043G	48.93	54.00	-5.07	1.17	3	Vertical	315	1.00	47.76	29.68	6.81	35.32
AV	4.63814G	49.41	54.00	-4.59	3.80	3	Vertical	265	1.50	45.61	31.68	7.40	35.28
AV	7.42121G	44.16	54.00	-9.84	10.41	3	Vertical	171	1.05	33.75	36.16	9.13	34.88
AV	8.34876G	43.36	54.00	-10.64	10.80	3	Vertical	190	2.41	32.56	36.80	9.64	35.64
PK	2.78217G	59.56	74.00	-14.44	-0.99	3	Vertical	172	3.00	60.55	28.32	6.20	35.51
PK	3.71055G	55.57	74.00	-18.43	1.18	3	Vertical	315	1.00	54.39	29.68	6.82	35.32
PK	4.63839G	56.66	74.00	-17.34	3.80	3	Vertical	265	1.50	52.86	31.68	7.40	35.28
PK	7.41851G	55.06	74.00	-18.94	10.41	3	Vertical	171	1.05	44.65	36.16	9.13	34.88
PK	8.34859G	55.11	74.00	-18.89	10.80	3	Vertical	190	2.41	44.31	36.80	9.64	35.64

902-928MHz_FSK-HS

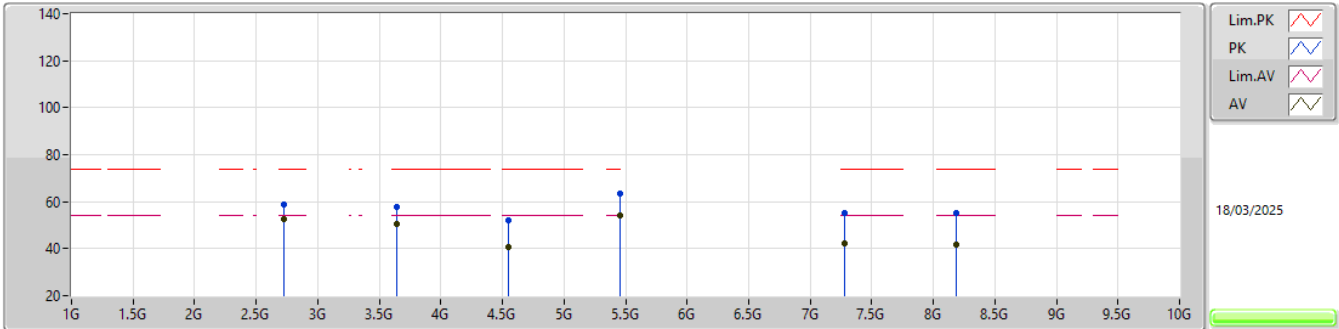
927.5MHz_TX



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	2.78271G	52.27	54.00	-1.73	-0.98	3	Horizontal	1	2.70	53.25	28.33	6.20	35.51
AV	3.71043G	48.21	54.00	-5.79	1.17	3	Horizontal	2	2.95	47.04	29.68	6.81	35.32
AV	4.63811G	45.06	54.00	-8.94	3.80	3	Horizontal	269	1.00	41.26	31.68	7.40	35.28
AV	7.42112G	44.99	54.00	-9.01	10.41	3	Horizontal	39	1.05	34.58	36.16	9.13	34.88
AV	8.34875G	47.19	54.00	-6.81	10.80	3	Horizontal	42	1.04	36.39	36.80	9.64	35.64
PK	2.78212G	57.02	74.00	-16.98	-0.99	3	Horizontal	1	2.70	58.01	28.32	6.20	35.51
PK	3.71061G	54.91	74.00	-19.09	1.18	3	Horizontal	2	2.95	53.73	29.68	6.82	35.32
PK	4.63835G	53.94	74.00	-20.06	3.80	3	Horizontal	269	1.00	50.14	31.68	7.40	35.28
PK	7.42098G	56.42	74.00	-17.58	10.41	3	Horizontal	39	1.05	46.01	36.16	9.13	34.88
PK	8.34655G	57.32	74.00	-16.68	10.79	3	Horizontal	42	1.04	46.53	36.79	9.64	35.64

902-928MHz_LoRa (500kHz)

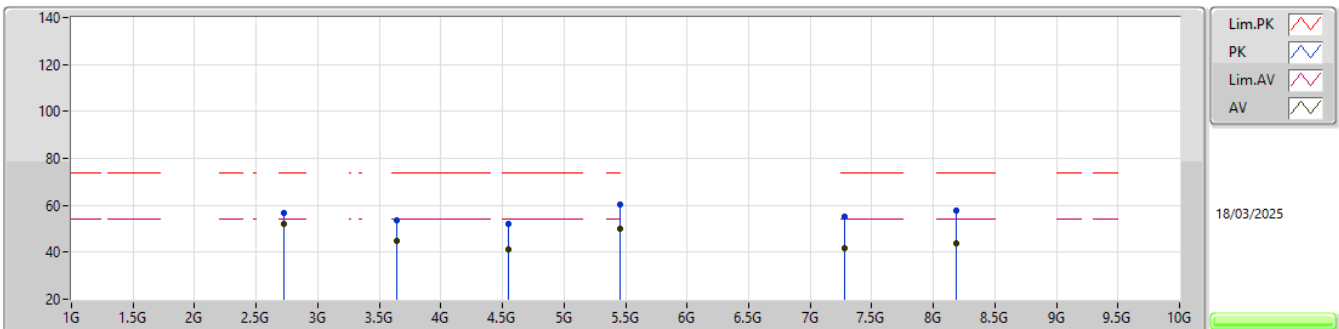
909.4MHz_TX



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	2.72827G	52.64	54.00	-1.36	-1.05	3	Vertical	165	1.50	53.69	28.32	6.13	35.50
AV	3.63765G	50.74	54.00	-3.26	0.99	3	Vertical	309	1.00	49.75	29.58	6.75	35.34
AV	4.54651G	40.93	54.00	-13.07	3.71	3	Vertical	202	1.50	37.22	31.60	7.35	35.24
AV	5.45689G	53.89	54.00	-0.11	5.38	3	Vertical	265	1.00	48.51	32.71	8.07	35.40
AV	7.27518G	42.33	54.00	-11.67	10.71	3	Vertical	120	1.50	31.62	36.70	8.90	34.89
AV	8.18563G	41.86	54.00	-12.14	10.66	3	Vertical	116	1.20	31.20	36.73	9.43	35.50
PK	2.72852G	58.77	74.00	-15.23	-1.06	3	Vertical	165	1.50	59.83	28.31	6.13	35.50
PK	3.63847G	57.97	74.00	-16.03	0.99	3	Vertical	309	1.00	56.98	29.58	6.75	35.34
PK	4.54728G	52.19	74.00	-21.81	3.71	3	Vertical	202	1.50	48.48	31.60	7.35	35.24
PK	5.45617G	63.45	74.00	-10.55	5.38	3	Vertical	265	1.00	58.07	32.71	8.07	35.40
PK	7.27644G	55.32	74.00	-18.68	10.71	3	Vertical	120	1.50	44.61	36.70	8.90	34.89
PK	8.18518G	55.21	74.00	-18.79	10.66	3	Vertical	116	1.20	44.55	36.73	9.43	35.50

902-928MHz_LoRa (500kHz)

909.4MHz_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	2.72818G	52.04	54.00	-1.96	-1.05	3	Horizontal	8	2.84	53.09	28.32	6.13	35.50
AV	3.63758G	45.06	54.00	-8.94	0.99	3	Horizontal	5	2.79	44.07	29.58	6.75	35.34
AV	4.54678G	41.42	54.00	-12.58	3.71	3	Horizontal	214	1.50	37.71	31.60	7.35	35.24
AV	5.45688G	50.15	54.00	-3.85	5.38	3	Horizontal	184	2.50	44.77	32.71	8.07	35.40
AV	7.27556G	41.80	54.00	-12.20	10.71	3	Horizontal	12	1.32	31.09	36.70	8.90	34.89
AV	8.18588G	43.99	54.00	-10.01	10.66	3	Horizontal	38	1.00	33.33	36.73	9.43	35.50
PK	2.72847G	56.93	74.00	-17.07	-1.05	3	Horizontal	8	2.84	57.98	28.32	6.13	35.50
PK	3.63824G	53.48	74.00	-20.52	0.99	3	Horizontal	5	2.79	52.49	29.58	6.75	35.34
PK	4.54722G	52.28	74.00	-21.72	3.71	3	Horizontal	214	1.50	48.57	31.60	7.35	35.24
PK	5.45703G	60.15	74.00	-13.85	5.38	3	Horizontal	184	2.50	54.77	32.71	8.07	35.40
PK	7.27523G	55.10	74.00	-18.90	10.71	3	Horizontal	12	1.32	44.39	36.70	8.90	34.89
PK	8.18475G	57.98	74.00	-16.02	10.65	3	Horizontal	38	1.00	47.33	36.73	9.42	35.50



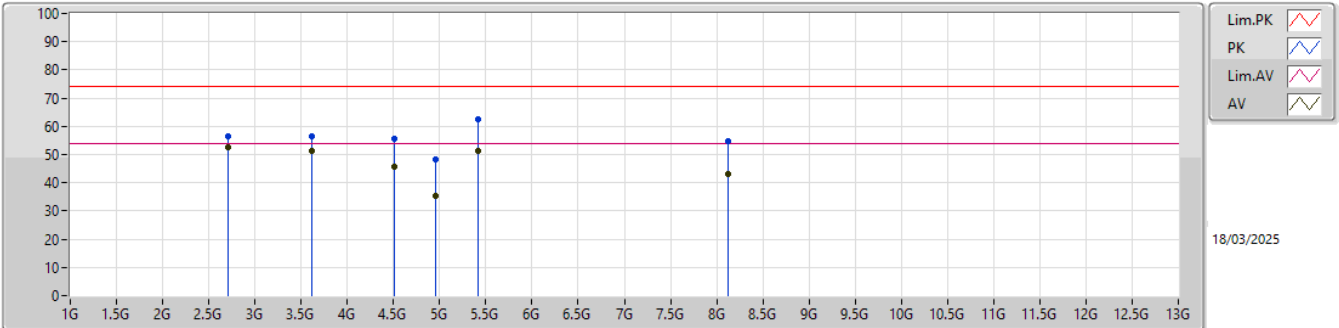
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.709G	52.67	54.00	-1.33	Vertical

Result

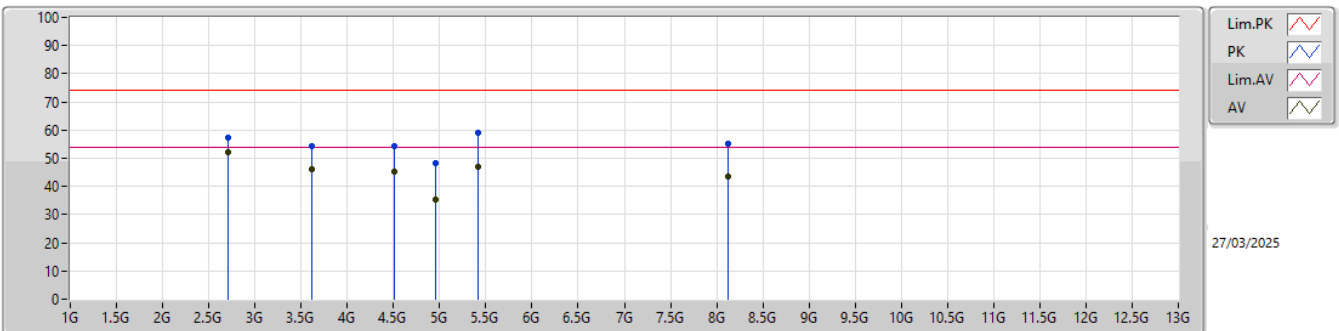
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	2.709G	52.67	54.00	-1.33	3	Vertical	156	1.51
Mode 1	Pass	AV	3.612G	51.36	54.00	-2.64	3	Vertical	312	1.54
Mode 1	Pass	AV	4.51489G	45.55	54.00	-8.45	3	Vertical	261	2.31
Mode 1	Pass	AV	4.96014G	35.42	54.00	-18.58	3	Vertical	275	1.44
Mode 1	Pass	AV	5.41843G	51.11	54.00	-2.89	3	Vertical	267	1.18
Mode 1	Pass	AV	8.12731G	43.22	54.00	-10.78	3	Vertical	114	2.12
Mode 1	Pass	PK	2.70965G	56.46	74.00	-17.54	3	Vertical	156	1.51
Mode 1	Pass	PK	3.6125G	56.59	74.00	-17.41	3	Vertical	312	1.54
Mode 1	Pass	PK	4.5142G	55.54	74.00	-18.46	3	Vertical	261	2.31
Mode 1	Pass	PK	4.95904G	48.09	74.00	-25.91	3	Vertical	275	1.44
Mode 1	Pass	PK	5.41933G	62.38	74.00	-11.62	3	Vertical	267	1.18
Mode 1	Pass	PK	8.12684G	54.71	74.00	-19.29	3	Vertical	114	2.12
Mode 1	Pass	AV	2.70898G	52.01	54.00	-1.99	3	Horizontal	42	1.51
Mode 1	Pass	AV	3.61211G	46.21	54.00	-7.79	3	Horizontal	281	1.01
Mode 1	Pass	AV	4.51479G	45.11	54.00	-8.89	3	Horizontal	274	1.52
Mode 1	Pass	AV	4.96065G	35.14	54.00	-18.86	3	Horizontal	242	2.81
Mode 1	Pass	AV	5.41852G	47.14	54.00	-6.86	3	Horizontal	198	2.24
Mode 1	Pass	AV	8.12762G	43.39	54.00	-10.61	3	Horizontal	15	1.18
Mode 1	Pass	PK	2.7084G	57.44	74.00	-16.56	3	Horizontal	42	1.51
Mode 1	Pass	PK	3.61151G	54.12	74.00	-19.88	3	Horizontal	281	1.01
Mode 1	Pass	PK	4.51521G	54.22	74.00	-19.78	3	Horizontal	274	1.52
Mode 1	Pass	PK	4.95854G	48.11	74.00	-25.89	3	Horizontal	242	2.81
Mode 1	Pass	PK	5.41915G	58.91	74.00	-15.09	3	Horizontal	198	2.24
Mode 1	Pass	PK	8.12894G	54.98	74.00	-19.02	3	Horizontal	15	1.18

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	2.709G	52.67	54.00	-1.33	-1.11	3	Vertical	156	1.51	53.78	28.29	6.10	35.50
AV	3.612G	51.36	54.00	-2.64	0.89	3	Vertical	312	1.54	50.47	29.52	6.72	35.35
AV	4.51489G	45.55	54.00	-8.45	3.74	3	Vertical	261	2.31	41.81	31.60	7.36	35.22
AV	4.96014G	35.42	54.00	-18.58	5.24	3	Vertical	275	1.44	30.18	32.94	7.76	35.46
AV	5.41843G	51.11	54.00	-2.89	5.34	3	Vertical	267	1.18	45.77	32.70	8.04	35.40
AV	8.12731G	43.22	54.00	-10.78	10.68	3	Vertical	114	2.12	32.54	36.80	9.33	35.45
PK	2.70965G	56.46	74.00	-17.54	-1.10	3	Vertical	156	1.51	57.56	28.30	6.10	35.50
PK	3.6125G	56.59	74.00	-17.41	0.89	3	Vertical	312	1.54	55.70	29.52	6.72	35.35
PK	4.5142G	55.54	74.00	-18.46	3.74	3	Vertical	261	2.31	51.80	31.60	7.36	35.22
PK	4.95904G	48.09	74.00	-25.91	5.24	3	Vertical	275	1.44	42.85	32.94	7.76	35.46
PK	5.41933G	62.38	74.00	-11.62	5.34	3	Vertical	267	1.18	57.04	32.70	8.04	35.40
PK	8.12684G	54.71	74.00	-19.29	10.68	3	Vertical	114	2.12	44.03	36.80	9.33	35.45

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	2.70898G	52.01	54.00	-1.99	-1.11	3	Horizontal	42	1.51	53.12	28.29	6.10	35.50
AV	3.61211G	46.21	54.00	-7.79	0.89	3	Horizontal	281	1.01	45.32	29.52	6.72	35.35
AV	4.51479G	45.11	54.00	-8.89	3.74	3	Horizontal	274	1.52	41.37	31.60	7.36	35.22
AV	4.96065G	35.14	54.00	-18.86	5.24	3	Horizontal	242	2.81	29.90	32.94	7.76	35.46
AV	5.41852G	47.14	54.00	-6.86	5.34	3	Horizontal	198	2.24	41.80	32.70	8.04	35.40
AV	8.12762G	43.39	54.00	-10.61	10.68	3	Horizontal	15	1.18	32.71	36.80	9.33	35.45
PK	2.7084G	57.44	74.00	-16.56	-1.12	3	Horizontal	42	1.51	58.56	28.28	6.10	35.50
PK	3.61151G	54.12	74.00	-19.88	0.89	3	Horizontal	281	1.01	53.23	29.52	6.72	35.35
PK	4.51521G	54.22	74.00	-19.78	3.74	3	Horizontal	274	1.52	50.48	31.60	7.36	35.22
PK	4.95854G	48.11	74.00	-25.89	5.23	3	Horizontal	242	2.81	42.88	32.93	7.76	35.46
PK	5.41915G	58.91	74.00	-15.09	5.34	3	Horizontal	198	2.24	53.57	32.70	8.04	35.40
PK	8.12894G	54.98	74.00	-19.02	10.68	3	Horizontal	15	1.18	44.30	36.80	9.33	35.45