

FCC Radio Test Report

FCC ID : WD6CTE300T2
Equipment : UHF Reader Module
Brand Name : GoDEX
Model Name : CT-E300T2
Applicant : Godex International Co., Ltd.
13F., No.168, Jiankang Rd., Zhonghe
Dist., New Taipei City, Taiwan
Manufacturer : Chilitag Technology Ltd
24F-5, No.31, Haibian Rd., Lingya Dist.,
Kaohsiung City 802, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 27, 2026, and testing was started from Feb. 06, 2026 and completed on Apr. 11, 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)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	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	ASK	903.24-926.76	50

Band	Mode	BWch	Nant
902-928MHz	RFID	0.48	1TX

Note:

- ♦ 902 ~ 928 MHz Band uses as a system using ASK modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Chilitag	CT-UA-F1016	UHF Antenna	NA	-16

Note 1: The EUT has one antenna.

For RFID function:

For RFID mode (1TX/1RX)

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

1.1.3 Type of EUT

Operational Condition			
EUT Power Type	From Host system		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
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
RFID	0.564	2.49	230.625u	5k

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

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	Daniel Lin	17.5~19.2℃ / 57~61%	12/Feb/2026
RF Conducted	TH07-HY	Raven Chien	22.2~23.4℃ / 52~54%	12/Feb/2026~11/Apr/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	Rian Chung	20.3~23.4℃ / 50~54%	06/Feb/2026~07/Feb/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	3.44 dB	Confidence levels of 95%
Conducted Output Power	1.48 dB	Confidence levels of 95%
Bandwidth	0.05 MHz	Confidence levels of 95%
Conducted Emission	1.48 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	2.9 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.64 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	5.02 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	5.28 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	docklight_v1.9
-----------------------	----------------

Mode	Power Setting
RFID	-
903.24MHz	Default
915.24MHz	Default
926.76MHz	Default

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	Test fixture 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

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	Test fixture mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Z Plane
	
Worst Planes of EUT	V



2.4 Support Equipment

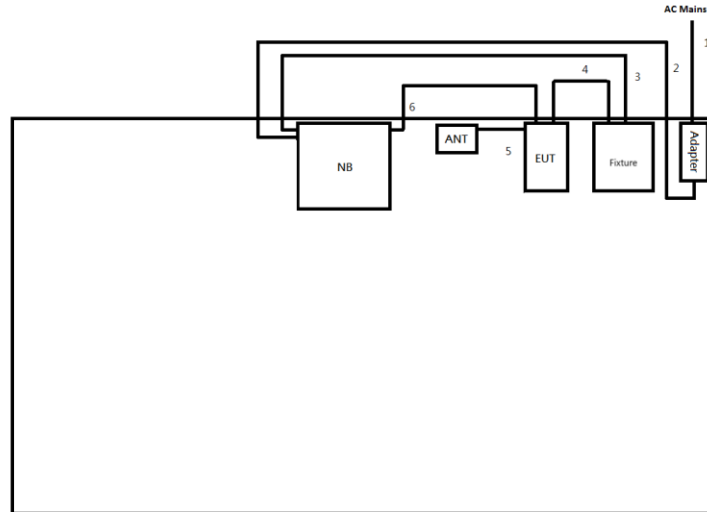
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture	Godex	PCB transceiver	-	Provided by Customer
2	USB CABLE	Godex	001	-	Provided by Customer
3	Fixture cable	Godex	002	-	Provided by Customer
4	NB	DELL	Latitude 7290	-	-
5	Adapter for NB	DELL	HA65NM130	-	-
6	Console cable	SUNBOX	USC-232P	-	-
7	AC Power cable	Power sync	TPCMRN0018	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Fixture	Godex	PCB transceiver	-	Provided by Customer
4	USB CABLE	Godex	001	-	Provided by Customer
5	fixture cable	Godex	002	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture	Godex	PCB transceiver	-	Provided by Customer
2	USB CABLE	Godex	001	-	Provided by Customer
3	Fixture cable	Godex	002	-	Provided by Customer
4	AC Power cable	Power sync	TPCMRN0018	-	-
5	NB	DELL	Latitude 7290	-	-
6	Adapter for NB	DELL	HA65NM130	-	-
7	Console cable	SUNBOX	USC-232P	-	-

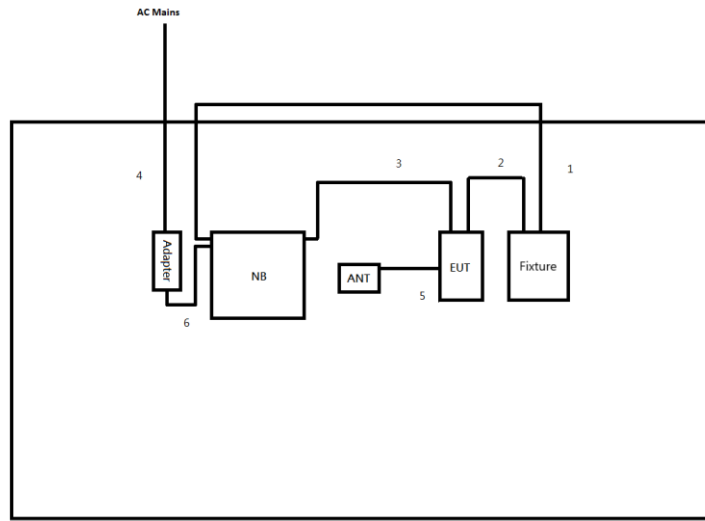
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB cable	No	1.8	-
4	Fixture cable	No	0.2	-
5	ANT cable	No	0.3	-
6	Console cable	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	USB cable	No	1.8	-
2	Fixture cable	No	0.2	-
3	Console cable	No	1.8	-
4	AC Power cable	No	1.8	-
5	ANT cable	No	0.3	-
6	DC Power cable	No	1.5	-

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

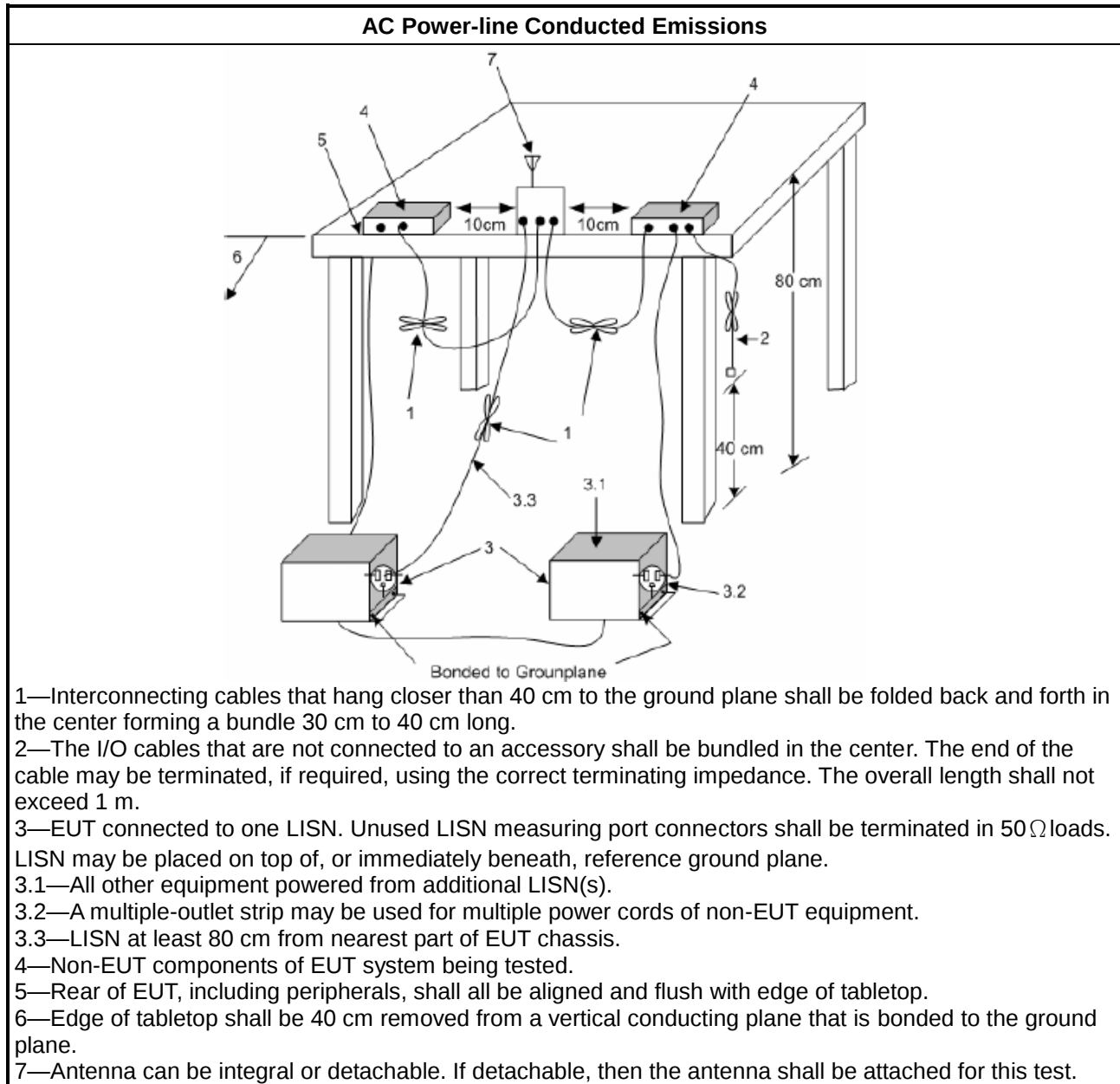
Test Method
☒ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

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 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

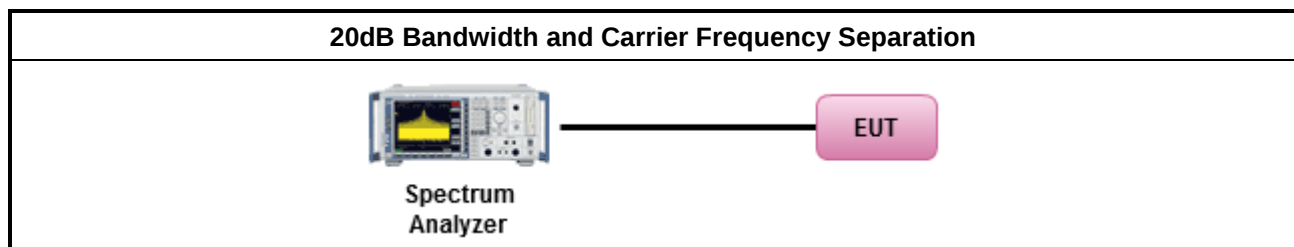
3.2.2 Measuring Instruments

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

3.2.3 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.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

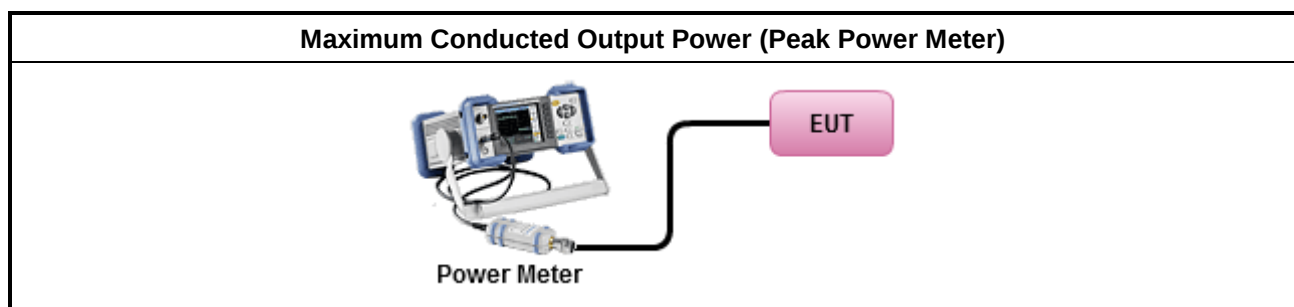
3.3.2 Measuring Instruments

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 7.8.5 for output power measurement.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

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 for Frequency Hopping Systems	
902-928 MHz Band:	
	$N \geq 50$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	$50 > N \geq 25$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

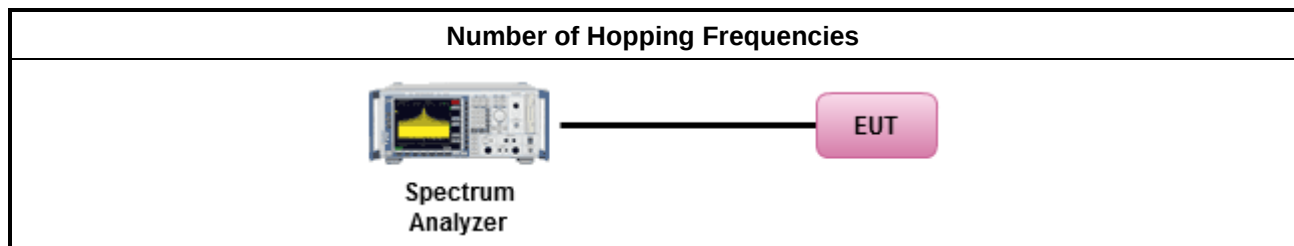
3.4.2 Measuring Instruments

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

3.4.3 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.

3.4.4 Test Setup



3.4.5 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.6 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

Time of Occupancy (Dwell Time) 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	

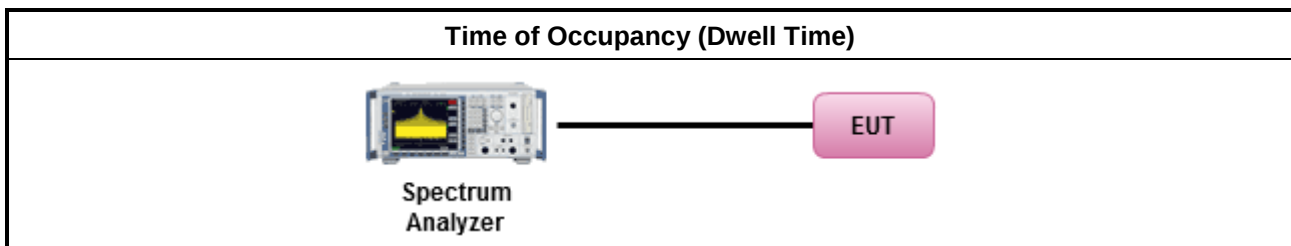
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10, 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
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.	

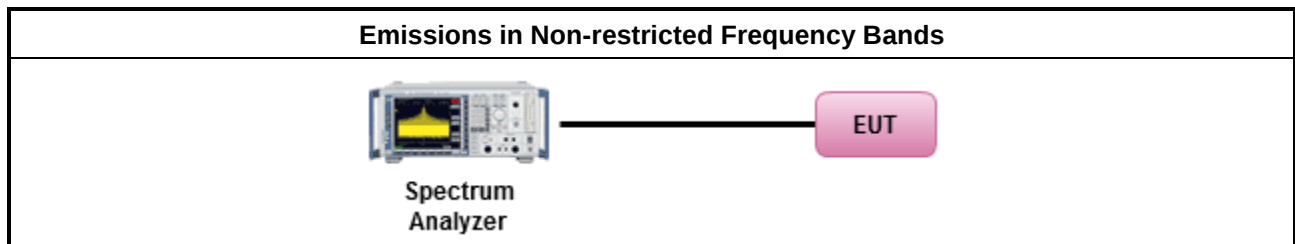
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Transmitter Radiated Bandedge Emissions

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

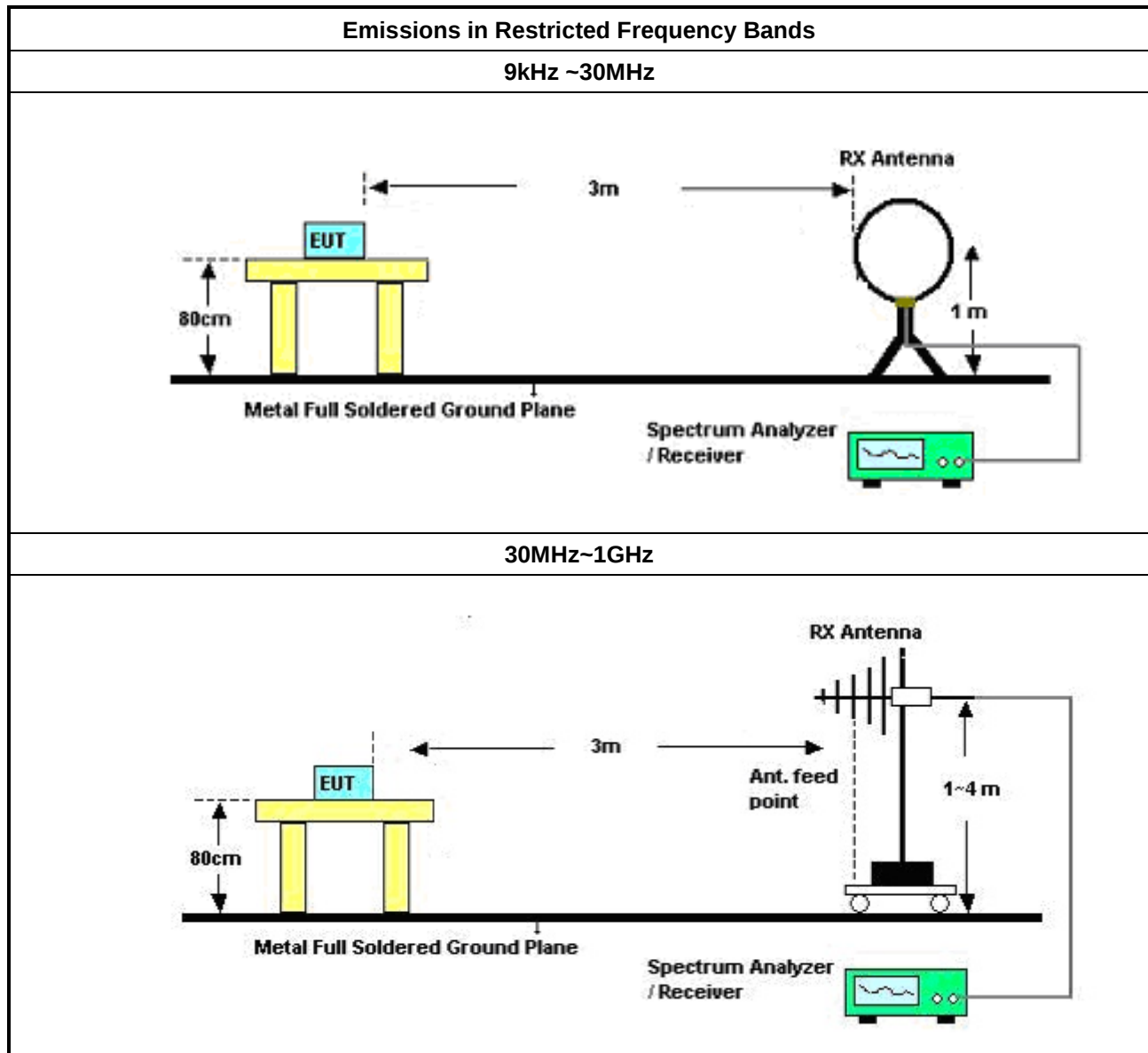
Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as ANSI C63.10, clause 4.1.5.2.1 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.

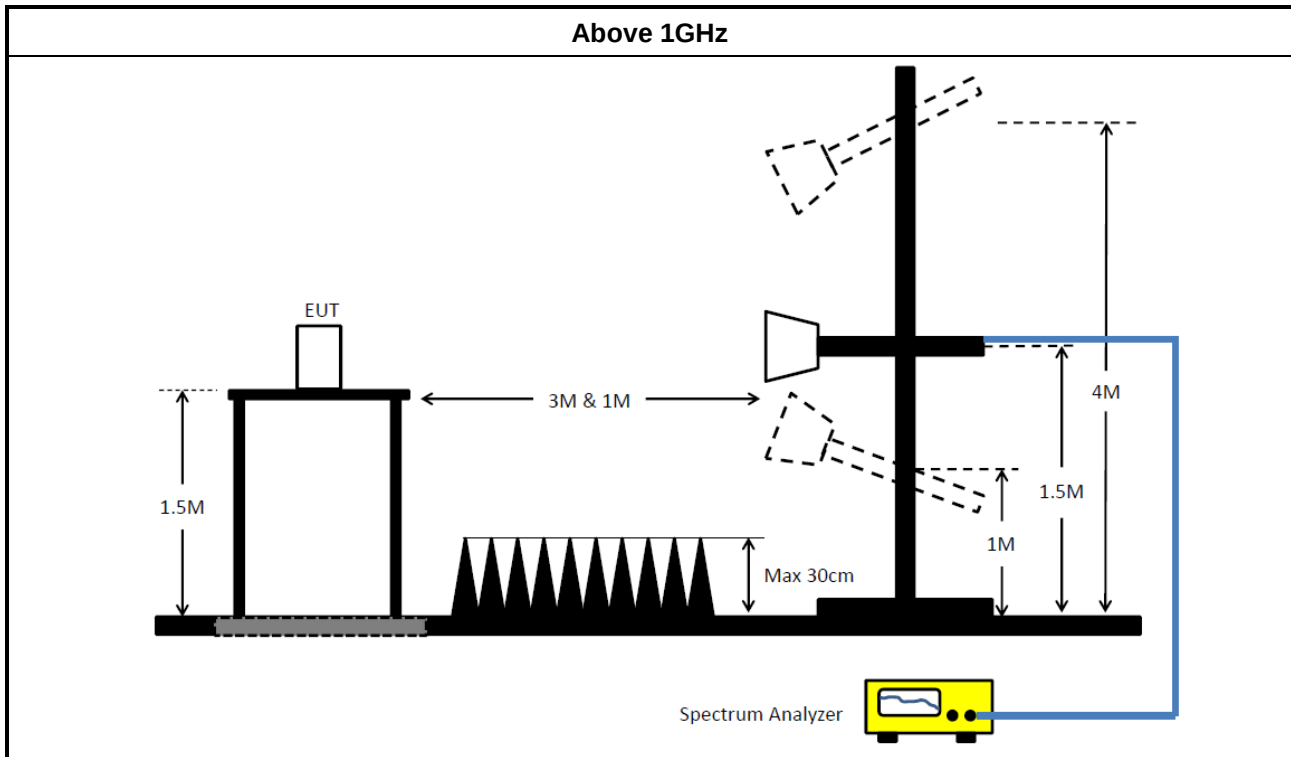
3.7.4 Measurement Results Calculation

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 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	21/May/2025	20/May/2026
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	26/Feb/2025	25/Feb/2026
Pulse Limiter	ROHDE & SCHWARZ	VTSD 9561F-N	1056	9kHz ~ 30MHz	25/Jun/2025	24/Jun/2026
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required.

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	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	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	23/May/2025	22/May/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	02/Jul/2025	01/Jul/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	23/Apr/2025	22/Apr/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	15/Feb/2025	14/Feb/2026
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	21/May/2025	20/May/2026
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz~18GHz	21/May/2025	20/May/2026
SENSE-15247-FS	Sporton	V5.11.24	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	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



Conducted Emissions at Powerline

Appendix A

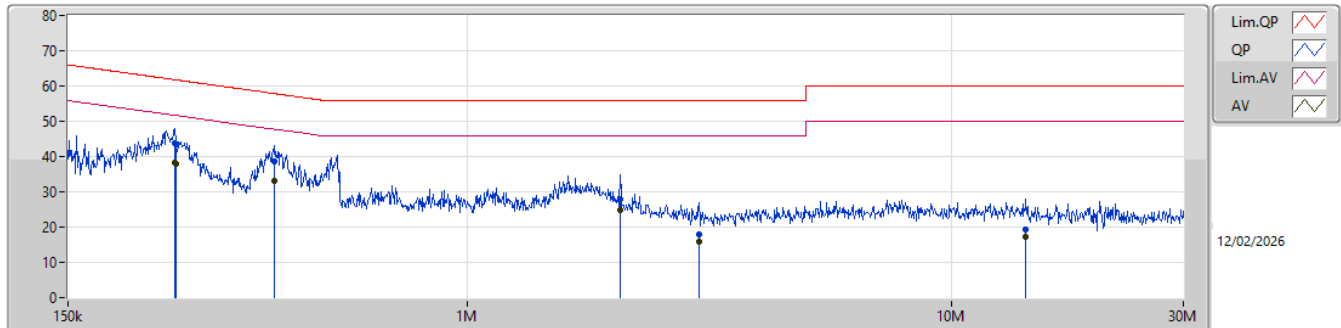
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	249.04k	38.19	51.79	-13.60	Line

Result

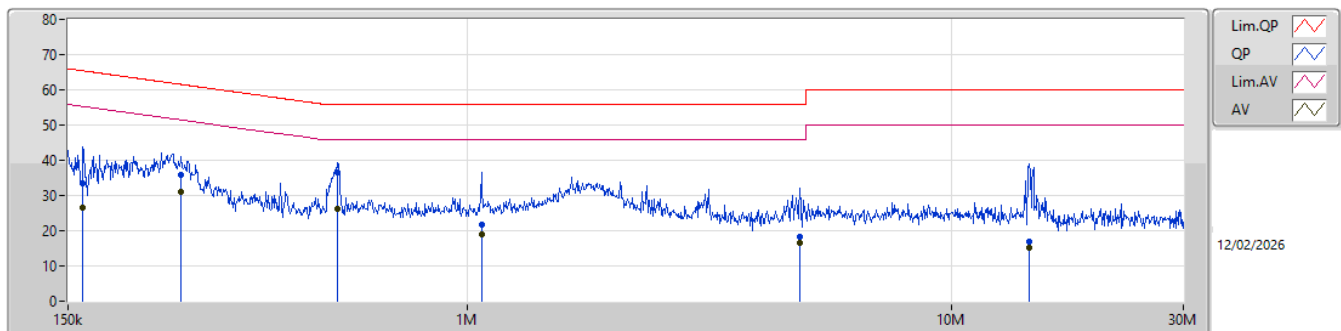
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	249.04k	43.76	61.79	-18.03	Line
Mode 1	Pass	AV	249.04k	38.19	51.79	-13.60	Line
Mode 1	Pass	QP	250.04k	43.38	61.76	-18.38	Line
Mode 1	Pass	AV	250.04k	38.09	51.76	-13.67	Line
Mode 1	Pass	QP	400.48k	38.48	57.84	-19.36	Line
Mode 1	Pass	AV	400.48k	33.11	47.84	-14.73	Line
Mode 1	Pass	QP	2.07M	27.93	56.00	-28.07	Line
Mode 1	Pass	AV	2.07M	24.80	46.00	-21.20	Line
Mode 1	Pass	QP	3.01M	17.84	56.00	-38.16	Line
Mode 1	Pass	AV	3.01M	15.79	46.00	-30.21	Line
Mode 1	Pass	QP	14.21M	19.30	60.00	-40.70	Line
Mode 1	Pass	AV	14.21M	17.22	50.00	-32.78	Line
Mode 1	Pass	QP	161.18k	33.36	65.41	-32.05	Neutral
Mode 1	Pass	AV	161.18k	26.67	55.41	-28.74	Neutral
Mode 1	Pass	QP	257.12k	35.79	61.53	-25.74	Neutral
Mode 1	Pass	AV	257.12k	31.06	51.53	-20.47	Neutral
Mode 1	Pass	QP	540.27k	36.66	56.00	-19.34	Neutral
Mode 1	Pass	AV	540.27k	26.30	46.00	-19.70	Neutral
Mode 1	Pass	QP	1.07M	21.74	56.00	-34.26	Neutral
Mode 1	Pass	AV	1.07M	18.94	46.00	-27.06	Neutral
Mode 1	Pass	QP	4.86M	18.14	56.00	-37.86	Neutral
Mode 1	Pass	AV	4.86M	16.48	46.00	-29.52	Neutral
Mode 1	Pass	QP	14.44M	16.86	60.00	-43.14	Neutral
Mode 1	Pass	AV	14.44M	15.22	50.00	-34.78	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	249.04k	43.76	61.79	-18.03	19.78	Line	23.98	9.64	0.02	10.12								
AV	249.04k	38.19	51.79	-13.60	19.78	Line	18.41	9.64	0.02	10.12								
QP	250.04k	43.38	61.76	-18.38	19.78	Line	23.60	9.64	0.02	10.12								
AV	250.04k	38.09	51.76	-13.67	19.78	Line	18.31	9.64	0.02	10.12								
QP	400.48k	38.48	57.84	-19.36	19.78	Line	18.70	9.63	0.03	10.12								
AV	400.48k	33.11	47.84	-14.73	19.78	Line	13.33	9.63	0.03	10.12								
QP	2.07M	27.93	56.00	-28.07	19.81	Line	8.12	9.65	0.03	10.13								
AV	2.07M	24.80	46.00	-21.20	19.81	Line	4.99	9.65	0.03	10.13								
QP	3.01M	17.84	56.00	-38.16	19.83	Line	-1.99	9.66	0.04	10.13								
AV	3.01M	15.79	46.00	-30.21	19.83	Line	-4.04	9.66	0.04	10.13								
QP	14.21M	19.30	60.00	-40.70	20.05	Line	-0.75	9.65	0.27	10.13								
AV	14.21M	17.22	50.00	-32.78	20.05	Line	-2.83	9.65	0.27	10.13								

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	161.18k	33.36	65.41	-32.05	19.77	Neutral	13.59	9.64	0.01	10.12								
AV	161.18k	26.67	55.41	-28.74	19.77	Neutral	6.90	9.64	0.01	10.12								
QP	257.12k	35.79	61.53	-25.74	19.77	Neutral	16.02	9.63	0.02	10.12								
AV	257.12k	31.06	51.53	-20.47	19.77	Neutral	11.29	9.63	0.02	10.12								
QP	540.27k	36.66	56.00	-19.34	19.79	Neutral	16.87	9.63	0.04	10.12								
AV	540.27k	26.30	46.00	-19.70	19.79	Neutral	6.51	9.63	0.04	10.12								
QP	1.07M	21.74	56.00	-34.26	19.81	Neutral	1.93	9.64	0.05	10.12								
AV	1.07M	18.94	46.00	-27.06	19.81	Neutral	-0.87	9.64	0.05	10.12								
QP	4.86M	18.14	56.00	-37.86	19.89	Neutral	-1.75	9.67	0.09	10.13								
AV	4.86M	16.48	46.00	-29.52	19.89	Neutral	-3.41	9.67	0.09	10.13								
QP	14.44M	16.86	60.00	-43.14	20.12	Neutral	-3.26	9.71	0.28	10.13								
AV	14.44M	15.22	50.00	-34.78	20.12	Neutral	-4.90	9.71	0.28	10.13								

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
RFID	69.96k	283.058k	283KD1D	48.84k	256.072k

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)
RFID	-	-	-	-
903.24MHz	Pass	Inf	69.96k	256.072k
915.24MHz	Pass	Inf	48.84k	283.058k
926.76MHz	Pass	Inf	51.48k	280.06k

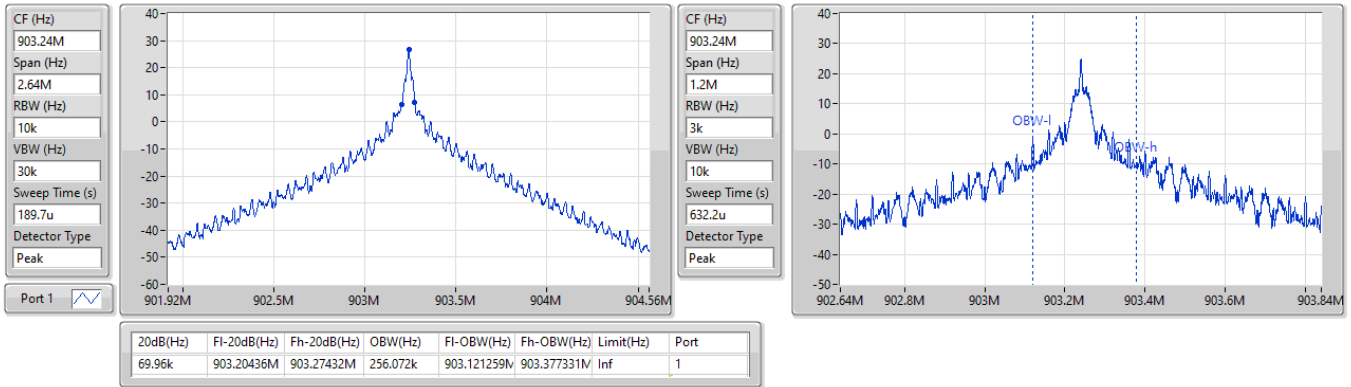
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_RFID

EBW-FS

903.24MHz

12/02/2026





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
902-928MHz	-	-
RFID	480.96k	479.52k

Result

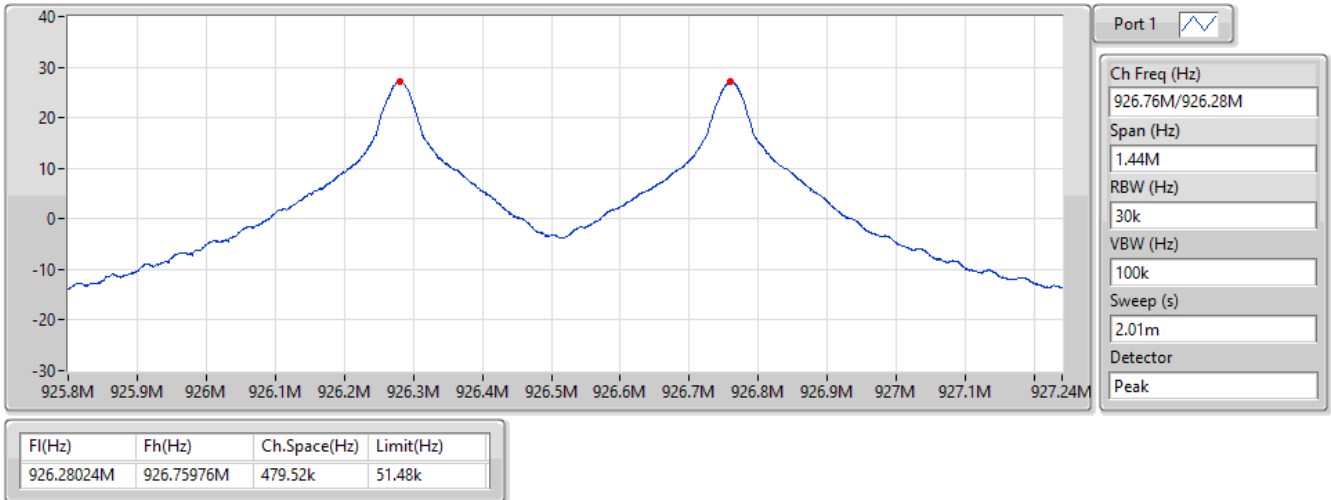
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
RFID	-	-	-	-	-
903.24MHz	Pass	903.23952M	903.71976M	480.24k	69.96k
915.24MHz	Pass	915.23952M	915.72048M	480.96k	48.84k
926.76MHz	Pass	926.28024M	926.75976M	479.52k	51.48k

902-928MHz_RFID

Channel Separation-FS

926.76M/926.28MHz

12/02/2026





Summary

Mode	Total Power (dBm)	Total Power (W)
902-928MHz	-	-
RFID	26.78	0.47643



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
RFID	-	-	-	-
903.24MHz	Pass	-16.00	26.78	30.00
915.24MHz	Pass	-16.00	26.73	30.00
926.76MHz	Pass	-16.00	26.76	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	-	-
RFID	24.95	0.31261



Average Power-FHSS

Appendix C.2

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
RFID	-	-	-	-
903.24MHz	Pass	-16.00	24.89	30.00
915.24MHz	Pass	-16.00	24.82	30.00
926.76MHz	Pass	-16.00	24.95	30.00

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



Summary

Mode	Max-Hop No
902-928MHz	-
RFID	50



Result

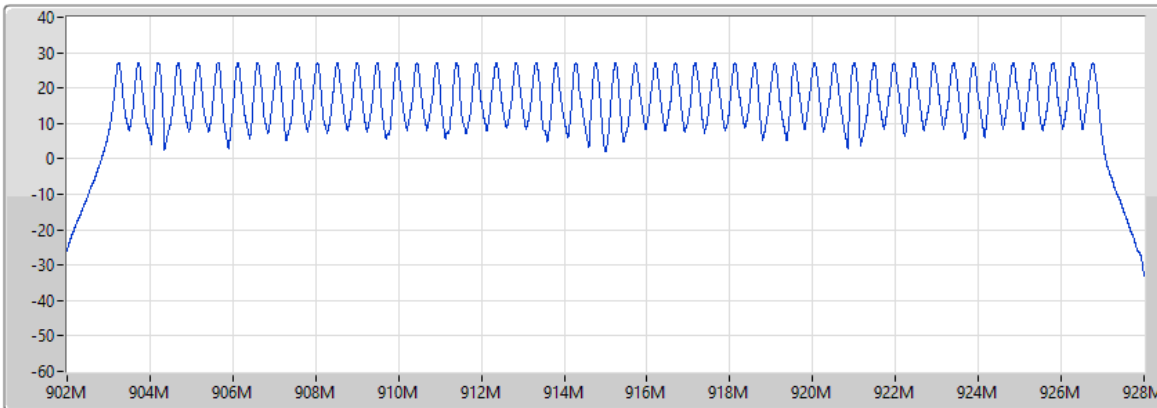
Mode	Result	Hopping No	Limit
RFID	-	-	-
915.24MHz	Pass	50	50

902-928MHz_RFID

Hopping-FS

915.24MHz

12/02/2026



Port 1 

Hopping No
50

Span (Hz)
26M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
37.9us

Detector
Peak

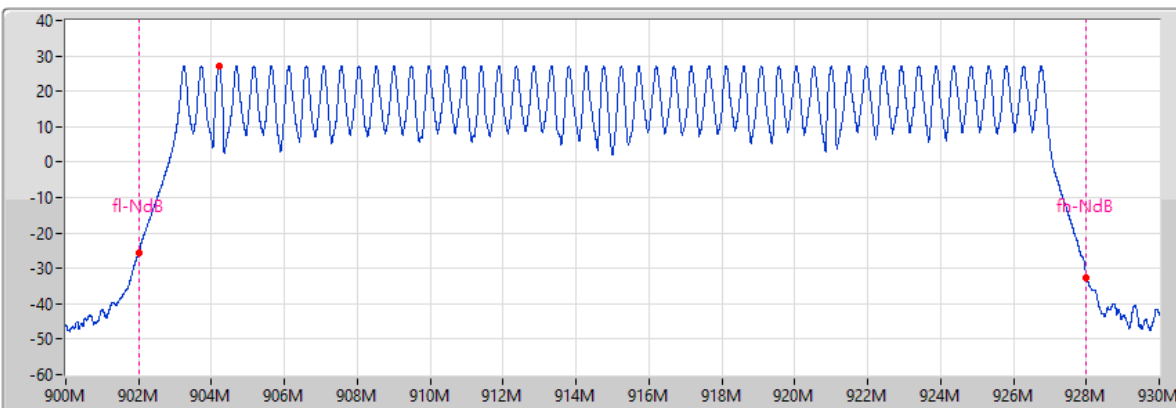
Hopping No	Limit
50	50

902-928MHz_RFID

915.24MHz

Hopping Ch Bandedge (Non-restricted Band)

12/02/2026



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)
7.23	904.2M	27.23	901.99875M	-25.6	928.00125M	-32.63



Summary

902-928MHz	-
RFID	54.280625m



Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
RFID	-	-	-	-	-
915.24MHz	Pass	20	54.280625m	400m	27.140313m

902-928MHz_RFID

Dwell-FS

915.24MHz

11/04/2026



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RFID	Pass	903.2M	26.83	6.83	871.35M	-51.93	902M	-25.81	902M	-24.09	935.2M	-51.13	1.80568G	-44.33	1

Result

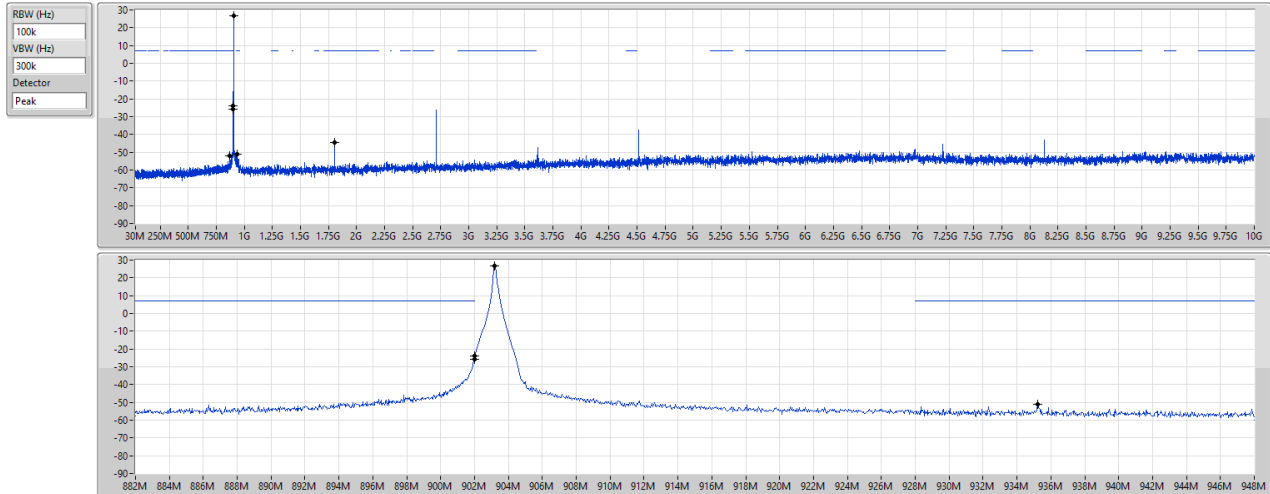
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
RFID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
903.24MHz	Pass	903.2M	26.83	6.83	871.35M	-51.93	902M	-25.81	902M	-24.09	935.2M	-51.13	1.80568G	-44.33	1
915.24MHz	Pass	915.26M	26.80	6.80	873.91M	-55.05	883.24M	-52.13	928M	-53.95	947.24M	-50.89	6.40636G	-42.90	1
926.76MHz	Pass	926.8M	26.86	6.86	862.83M	-55.68	894.76M	-51.41	928M	-27.67	928M	-29.97	6.48782G	-42.17	1

902-928MHz RFID

CSEndB-FS

903.24MHz

12/02/2026



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
903.2M	26.83	6.83	871.35M	-51.93	902M	-25.81	902M	-24.09	935.2M	-51.13	1.80568G	-44.33	1



Summary

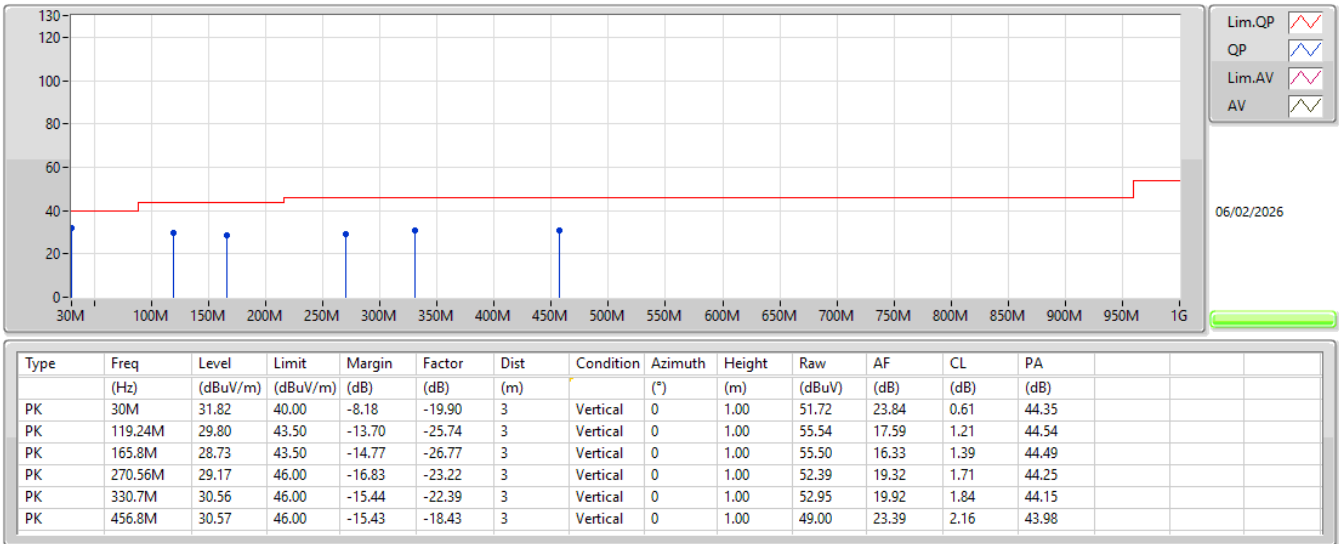
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
RFID	Pass	PK	80.44M	33.18	40.00	-6.82	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
RFID	-	-	-	-	-	-	-	-	-	-
903.24MHz_Test fixture	Pass	PK	30M	31.82	40.00	-8.18	3	Vertical	0	1.00
903.24MHz_Test fixture	Pass	PK	119.24M	29.80	43.50	-13.70	3	Vertical	0	1.00
903.24MHz_Test fixture	Pass	PK	165.8M	28.73	43.50	-14.77	3	Vertical	0	1.00
903.24MHz_Test fixture	Pass	PK	270.56M	29.17	46.00	-16.83	3	Vertical	0	1.00
903.24MHz_Test fixture	Pass	PK	330.7M	30.56	46.00	-15.44	3	Vertical	0	1.00
903.24MHz_Test fixture	Pass	PK	456.8M	30.57	46.00	-15.43	3	Vertical	0	1.00
903.24MHz_Test fixture	Pass	PK	80.44M	33.18	40.00	-6.82	3	Horizontal	360	1.00
903.24MHz_Test fixture	Pass	PK	142.52M	34.85	43.50	-8.65	3	Horizontal	360	1.00
903.24MHz_Test fixture	Pass	PK	239.52M	32.76	46.00	-13.24	3	Horizontal	360	1.00
903.24MHz_Test fixture	Pass	PK	311.3M	36.24	46.00	-9.76	3	Horizontal	360	1.00
903.24MHz_Test fixture	Pass	PK	456.8M	33.42	46.00	-12.58	3	Horizontal	360	1.00
903.24MHz_Test fixture	Pass	PK	623.64M	29.36	46.00	-16.64	3	Horizontal	360	1.00
915.24MHz_Test fixture	Pass	PK	103.72M	32.67	43.50	-10.83	3	Vertical	0	1.00
915.24MHz_Test fixture	Pass	PK	239.52M	29.35	46.00	-16.65	3	Vertical	0	1.00
915.24MHz_Test fixture	Pass	PK	332.64M	30.54	46.00	-15.46	3	Vertical	0	1.00
915.24MHz_Test fixture	Pass	PK	456.8M	27.25	46.00	-18.75	3	Vertical	0	1.00
915.24MHz_Test fixture	Pass	PK	672.14M	34.74	46.00	-11.26	3	Vertical	0	1.00
915.24MHz_Test fixture	Pass	QP	31.94M	29.97	40.00	-10.03	3	Vertical	158	1.00
915.24MHz_Test fixture	Pass	PK	109.54M	34.39	43.50	-9.11	3	Horizontal	360	1.00
915.24MHz_Test fixture	Pass	PK	142.52M	36.37	43.50	-7.13	3	Horizontal	360	1.00
915.24MHz_Test fixture	Pass	PK	187.14M	36.01	43.50	-7.49	3	Horizontal	360	1.00
915.24MHz_Test fixture	Pass	PK	297.72M	34.91	46.00	-11.09	3	Horizontal	360	1.00
915.24MHz_Test fixture	Pass	PK	336.52M	33.04	46.00	-12.96	3	Horizontal	360	1.00
915.24MHz_Test fixture	Pass	PK	456.8M	32.68	46.00	-13.32	3	Horizontal	360	1.00
926.76MHz_Test fixture	Pass	PK	31.94M	31.02	40.00	-8.98	3	Vertical	0	1.00
926.76MHz_Test fixture	Pass	PK	49.4M	29.51	40.00	-10.49	3	Vertical	0	1.00
926.76MHz_Test fixture	Pass	PK	119.24M	28.11	43.50	-15.39	3	Vertical	0	1.00
926.76MHz_Test fixture	Pass	PK	239.52M	29.83	46.00	-16.17	3	Vertical	0	1.00
926.76MHz_Test fixture	Pass	PK	332.64M	28.22	46.00	-17.78	3	Vertical	0	1.00
926.76MHz_Test fixture	Pass	PK	672.14M	32.37	46.00	-13.63	3	Vertical	0	1.00
926.76MHz_Test fixture	Pass	PK	109.54M	34.43	43.50	-9.07	3	Horizontal	360	1.00
926.76MHz_Test fixture	Pass	PK	187.14M	36.21	43.50	-7.29	3	Horizontal	360	1.00
926.76MHz_Test fixture	Pass	PK	297.72M	34.12	46.00	-11.88	3	Horizontal	360	1.00
926.76MHz_Test fixture	Pass	PK	336.52M	33.58	46.00	-12.42	3	Horizontal	360	1.00
926.76MHz_Test fixture	Pass	PK	456.8M	32.77	46.00	-13.23	3	Horizontal	360	1.00
926.76MHz_Test fixture	Pass	PK	672.14M	30.45	46.00	-15.55	3	Horizontal	360	1.00

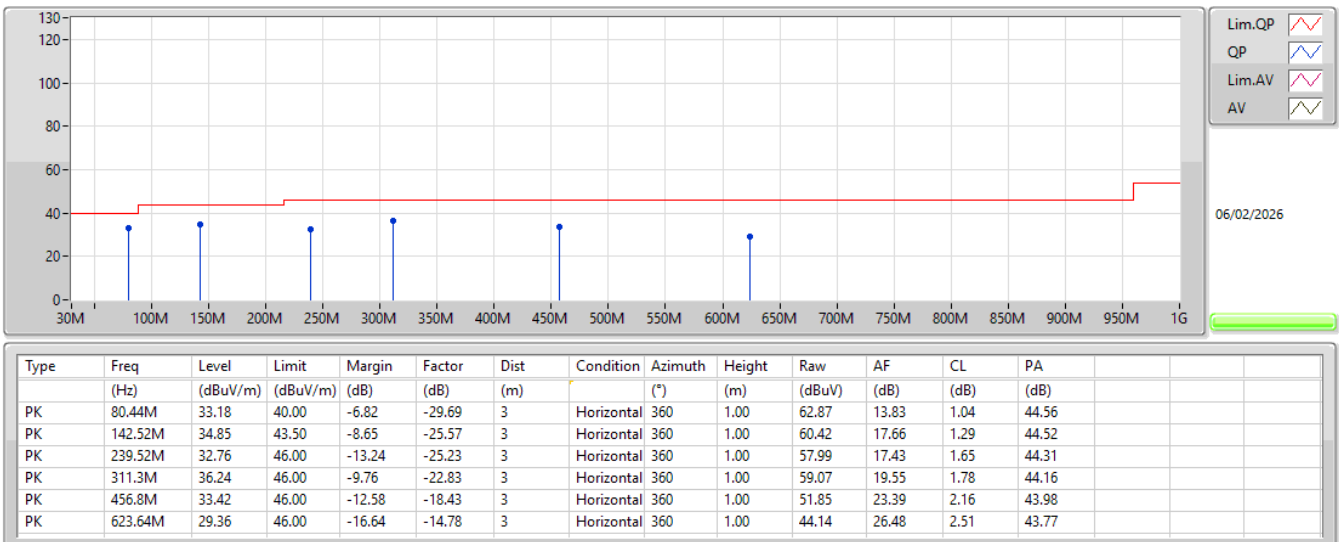
902-928MHz_RFID

903.24MHz_Test fixture



902-928MHz_RFID

903.24MHz_Test fixture





Summary

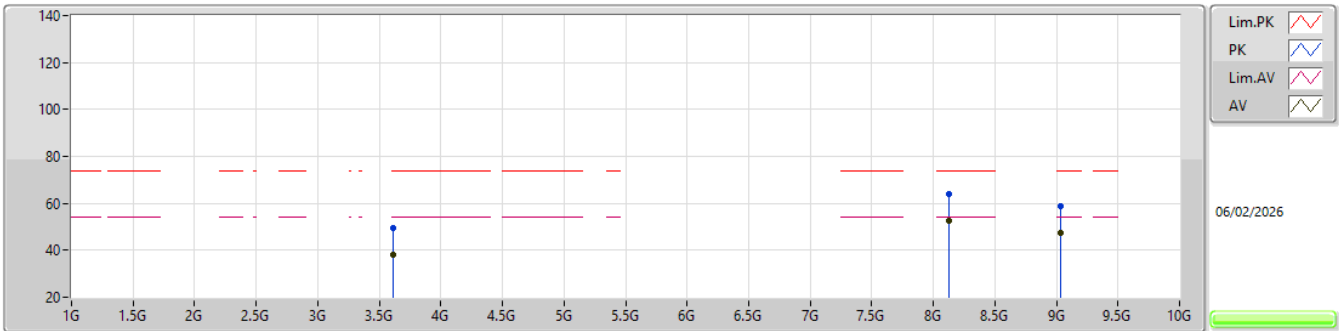
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
RFID	Pass	AV	8.12927G	53.37	54.00	-0.63	3	Horizontal	321	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
RFID	-	-	-	-	-	-	-	-	-	-
903.24MHz	Pass	AV	3.61298G	37.96	54.00	-16.04	3	Vertical	77	1.61
903.24MHz	Pass	AV	8.12913G	52.50	54.00	-1.50	3	Vertical	336	2.49
903.24MHz	Pass	AV	9.03241G	47.60	54.00	-6.40	3	Vertical	41	1.00
903.24MHz	Pass	PK	3.61298G	49.32	74.00	-24.68	3	Vertical	77	1.61
903.24MHz	Pass	PK	8.12913G	63.86	74.00	-10.14	3	Vertical	336	2.49
903.24MHz	Pass	PK	9.03241G	58.96	74.00	-15.04	3	Vertical	41	1.00
903.24MHz	Pass	AV	3.61293G	39.04	54.00	-14.96	3	Horizontal	182	1.31
903.24MHz	Pass	AV	8.12927G	53.37	54.00	-0.63	3	Horizontal	321	1.00
903.24MHz	Pass	AV	9.03233G	46.68	54.00	-7.32	3	Horizontal	18	1.05
903.24MHz	Pass	PK	3.61293G	50.40	74.00	-23.60	3	Horizontal	182	1.31
903.24MHz	Pass	PK	8.12927G	64.73	74.00	-9.27	3	Horizontal	321	1.00
903.24MHz	Pass	PK	9.03233G	58.04	74.00	-15.96	3	Horizontal	18	1.05
915.24MHz	Pass	AV	3.66085G	35.90	54.00	-18.10	3	Vertical	55	1.59
915.24MHz	Pass	AV	8.23718G	47.20	54.00	-6.80	3	Vertical	221	1.04
915.24MHz	Pass	AV	9.15241G	49.14	54.00	-4.86	3	Vertical	270	1.01
915.24MHz	Pass	PK	3.66085G	47.26	74.00	-26.74	3	Vertical	55	1.59
915.24MHz	Pass	PK	8.23718G	58.56	74.00	-15.44	3	Vertical	221	1.04
915.24MHz	Pass	PK	9.15241G	60.50	74.00	-13.50	3	Vertical	270	1.01
915.24MHz	Pass	AV	3.661G	39.50	54.00	-14.50	3	Horizontal	184	1.50
915.24MHz	Pass	AV	8.23719G	49.11	54.00	-4.89	3	Horizontal	324	1.00
915.24MHz	Pass	AV	9.15247G	47.87	54.00	-6.13	3	Horizontal	229	1.04
915.24MHz	Pass	PK	3.661G	50.86	74.00	-23.14	3	Horizontal	184	1.50
915.24MHz	Pass	PK	8.23719G	60.47	74.00	-13.53	3	Horizontal	324	1.00
915.24MHz	Pass	PK	9.15247G	59.23	74.00	-14.77	3	Horizontal	229	1.04
926.76MHz	Pass	AV	3.70703G	36.96	54.00	-17.04	3	Vertical	55	1.97
926.76MHz	Pass	AV	8.34092G	44.62	54.00	-9.38	3	Vertical	258	1.04
926.76MHz	Pass	PK	3.70703G	48.32	74.00	-25.68	3	Vertical	55	1.97
926.76MHz	Pass	PK	8.34092G	55.98	74.00	-18.02	3	Vertical	258	1.04
926.76MHz	Pass	AV	3.70705G	40.21	54.00	-13.79	3	Horizontal	11	1.50
926.76MHz	Pass	AV	8.34099G	44.49	54.00	-9.51	3	Horizontal	325	1.01
926.76MHz	Pass	PK	3.70705G	51.57	74.00	-22.43	3	Horizontal	11	1.50
926.76MHz	Pass	PK	8.34099G	55.85	74.00	-18.15	3	Horizontal	325	1.01

902-928MHz_RFID

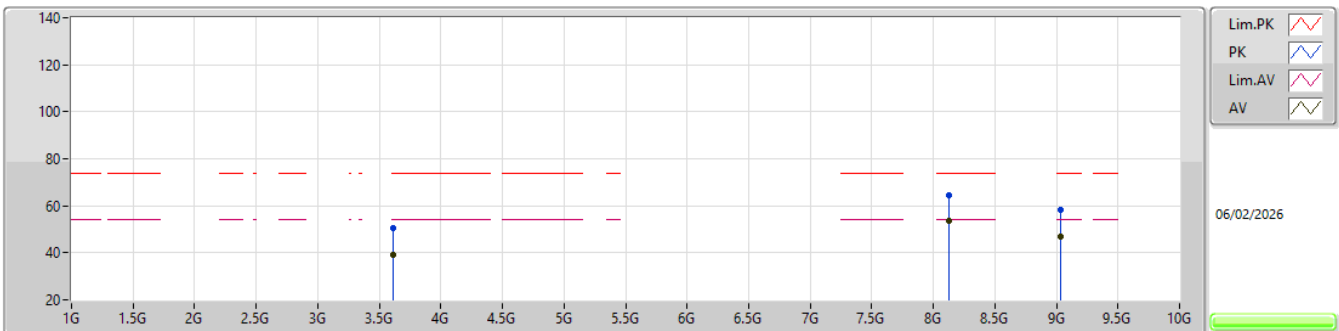
903.24MHz_TX



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	3.61298G	37.96	54.00	-16.04	-8.31	3	Vertical	77	1.61	46.27	29.73	5.62	43.66
AV	8.12913G	52.50	54.00	-1.50	1.81	3	Vertical	336	2.49	50.69	37.40	8.06	43.65
AV	9.03241G	47.60	54.00	-6.40	3.69	3	Vertical	41	1.00	43.91	38.26	8.49	43.06
PK	3.61298G	49.32	74.00	-24.68	-8.31	3	Vertical	77	1.61	57.63	29.73	5.62	43.66
PK	8.12913G	63.86	74.00	-10.14	1.81	3	Vertical	336	2.49	62.05	37.40	8.06	43.65
PK	9.03241G	58.96	74.00	-15.04	3.69	3	Vertical	41	1.00	55.27	38.26	8.49	43.06

902-928MHz_RFID

903.24MHz_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	3.61293G	39.04	54.00	-14.96	-8.31	3	Horizontal	182	1.31	47.35	29.73	5.62	43.66
AV	8.12927G	53.37	54.00	-0.63	1.81	3	Horizontal	321	1.00	51.56	37.40	8.06	43.65
AV	9.03233G	46.68	54.00	-7.32	3.69	3	Horizontal	18	1.05	42.99	38.26	8.49	43.06
PK	3.61293G	50.40	74.00	-23.60	-8.31	3	Horizontal	182	1.31	58.71	29.73	5.62	43.66
PK	8.12927G	64.73	74.00	-9.27	1.81	3	Horizontal	321	1.00	62.92	37.40	8.06	43.65
PK	9.03233G	58.04	74.00	-15.96	3.69	3	Horizontal	18	1.05	54.35	38.26	8.49	43.06