

FCC Radio Test Report

FCC ID : YL6-143P100
Equipment : EZ Point
Brand Name : ALARM.COM
Model Name : ADC-EZ100P-US, ADC-EZ100-US
Applicant : Alarm.com Incorporated
8281 Greensboro Drive, Suite 100,
Tysons, VA 22102 United States
Manufacturer : Alarm.com Incorporated
8281 Greensboro Drive, Suite 100,
Tysons, VA 22102 United States
Standard : 47 CFR FCC Part 15.249

The product was received on Jul. 01, 2025, and testing was started from Jul. 01, 2025 and completed on Aug. 16, 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 C63.10-2020 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

Report No.	Version	Description	Issued Date
FR562006ZW	01	Initial issue of report	Sep. 15, 2025
FR562006ZW	02	Revised typo. (This report is the latest version replacing for the report issued on Sep. 15, 2025.)	Sep. 19, 2025



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	15.215(c)	Emission Bandwidth	PASS	-
3.3	15.249(a)	Fundamental Emissions	PASS	-
3.4	15.249(a)/(d)	Transmitter Radiated Unwanted Emissions	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: Daniel Hsu

Report Producer: Amber Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information			
Frequency Range (MHz)	Modulation	Ch. Frequency (MHz)	Channel Number
902-928	2FSK	908.4	1
902-928	GFSK	916	1
Note 1: Field strength performed quasi peak level at 3m.			

Band	Mode	BWch	Nant
902-928MHz	Z-Wave	0.3	1TX

Note:

- ♦ 902-928 MHz Band uses a 2FSK & GFSK modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	LITEON	EC1110	Print	N/A	Z-Wave

Ant.	Port	Gain (dBi)
		902-928MHz
1	1	3.3

For Z-wave function:

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

1.1.3 EUT Information

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

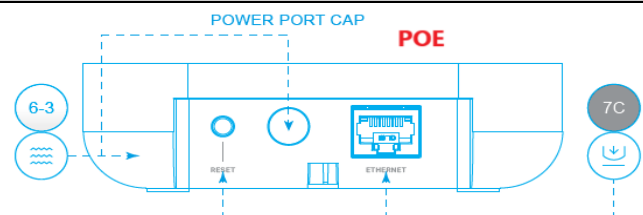
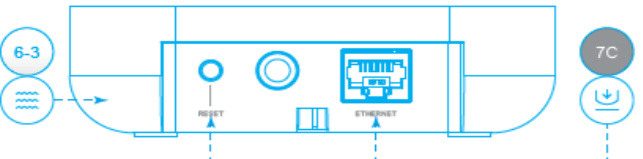
1.1.4 Test Signal Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
Z-Wave	0.961	0.17	4.918m	300

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

1.1.5 Table for Multiple Listing

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

Model Name	Input		Difference
	PoE IN	DC IN	I/O Port Illustration
ADC-EZ100P-US	V		
ADC-EZ100-US		V	

Product Configuration	Brand	Model	Description
SKU 1	LITEON	ADC-EZ100P-US	for POE Version (Main Source)
SKU 2	LITEON	ADC-EZ100P-US	for POE Version (2nd Source)
SKU 3	LITEON	ADC-EZ100-US	for Non POE Version (DC IN)

From the above SKUs, SKU 3 was selected as representative model for field strength test, since the RF component are identical between these SKUs, only power supply method and flash is different.

ADC-EZ100P-US for Table for Explanation of 2nd Source

Object/part or Description (location)	Location	Main source (SKU1)	2nd source (SKU 2)
PoE flyback transformer	T2	TNK, TEP1313-C628	M-TEK, EP13-174SA
Flash	U7	Winbond, W25N01KVZEIR	GigaDevice, GD5F1GM7UEYIGR

Note: The information presented above originates from the manufacturer.

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 15.249
- ♦ ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024

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

- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	23.2~23.8°C / 58~64%	25/Jul/2025~16/Aug/2025
RF Conducted	TH06-HY	Wayne Chiu	22.1~22.8°C / 52~55%	24/Jul/2025~30/Jul/2025
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH25-HY	Henry Ho	22.3~23.4°C / 50~53%	01/Jul/2025~07/Aug/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
AC Power-line Conducted Emissions	3.44 dB	Confidence levels of 95%
Emission Bandwidth	0.05 MHz	Confidence levels of 95%
Fundamental Emissions	5.64 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
TX-DTS	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	DOS 6.1
-----------------------	---------

Mode	Power Setting
Z-Wave	-
908.4MHz	45
916MHz	35

2.3 The Worst Case Modulation Configuration

Modulation Used for Conformance Testing	
Test Mode	Field Strength (dBuV/m at 3 m)
Z-wave-Transmit	92.43

2.4 Test Channel Frequencies Configuration

Test Channel Frequencies Configuration	
Test Mode	Test Channel Frequencies (MHz)
Z-wave-Transmit	916

2.5 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
Operating Mode	CTX
1	PoE Mode; SKU 1
2	PoE Mode; SKU 2
3	Adapter Mode; SKU 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Fundamental Emissions, Radiated Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	PoE Mode; SKU 1		
2	PoE Mode; SKU 2		
3	Adapter Mode; SKU 3		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

2.6 Accessories

Accessories				
AC Adapter (for Sku 3)	Brand Name	HONOR	Model Name	ADS-6AM-06 05050EPCU
	Manufacturer	SHENZHEN HONOR ELECTRONIC CO.,LTD	SN	-
	Power Rating	I/P: 100- 240 Vac, 0.3 A, 50/60Hz O/P: 5 Vdc, 1A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Category	CAT5e		
	Power Cord	1.8 meter, non-shielded cable		

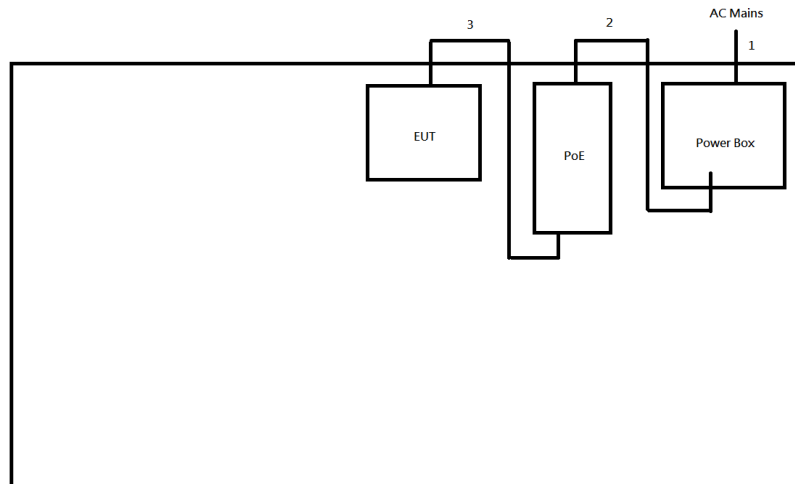
2.7 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PoE	PHIHONG	POE20U-560(G)	-	-
2	AC Power cable	Power sync	PW-GPC180-3	-	-

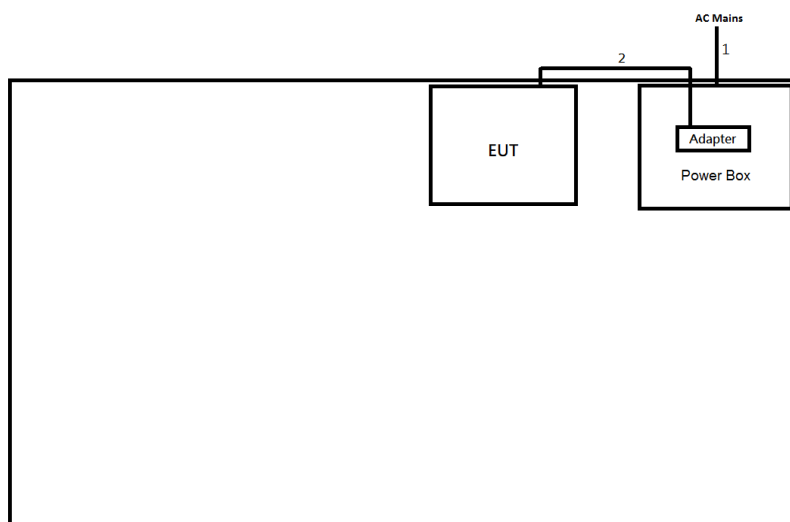
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PoE	PHIHONG	POE20U-560(G)	-	-
2	AC Power Cable	Power sync	PW-GPC180-3	-	-

2.8 Test Setup Diagram

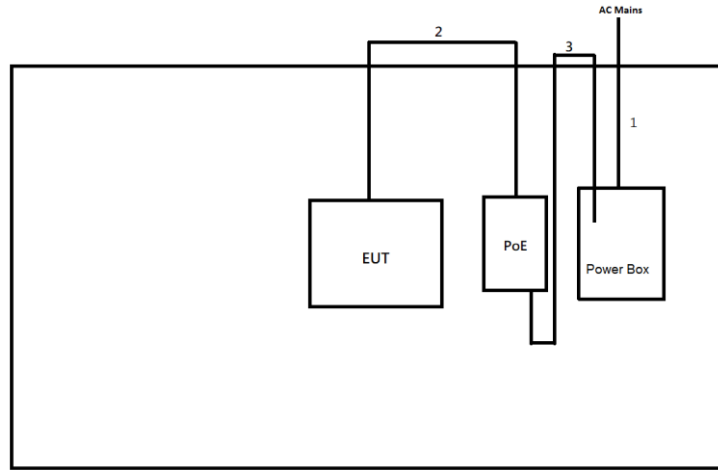
Test Setup Diagram – AC Line Conducted Emission Test_PoE Mode, SKU 1 & 2



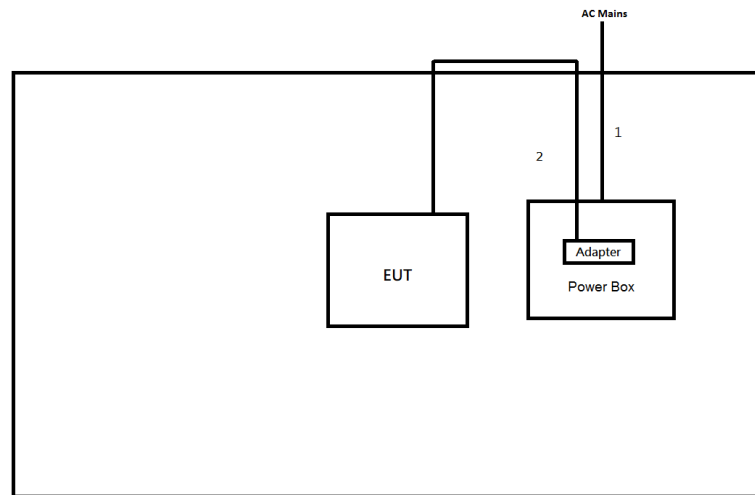
Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	NO	1.0	-
2	AC power cable	NO	1.8	-
3	RJ45 cable	NO	1.8	-

Test Setup Diagram – AC Line Conducted Emission Test_Adapter Mode, SKU 3


Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	NO	1.8	-
2	DC power cable	NO	1.5	-

Test Setup Diagram - Radiated Test_PoE Mode, SKU 1 & 2


Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	NO	1.8	-
2	RJ45 cable	NO	1.8	-
3	AC power cable	NO	1.8	-

Test Setup Diagram - Radiated Test_Adapter Mode, SKU 3


Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	NO	1.8	-
2	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

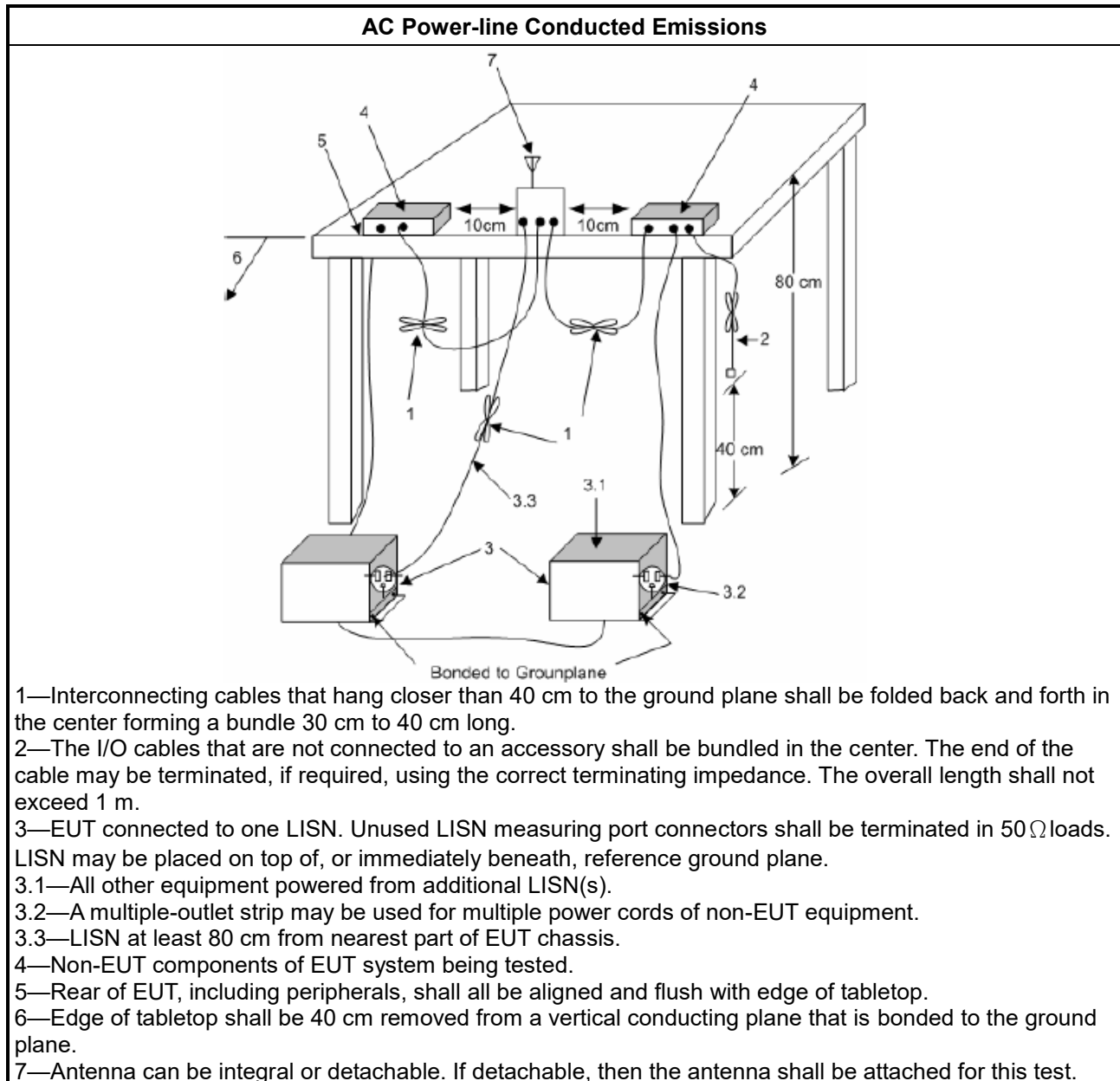
Test Method
☒ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

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 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
☒	Emission bandwidth falls completely within authorized band.

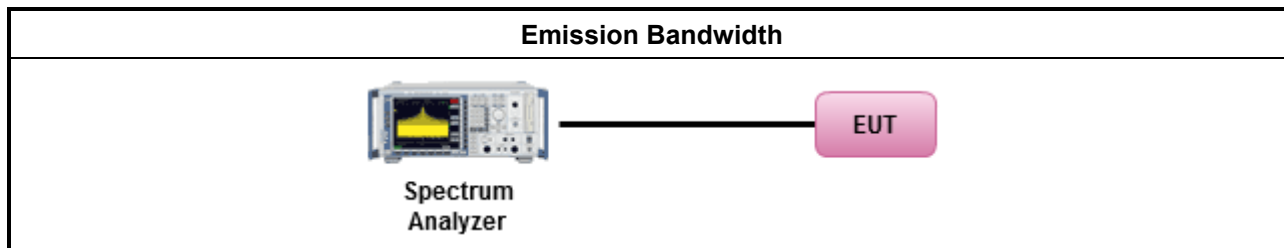
3.2.2 Measuring Instruments

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 6.9.3 for occupied bandwidth testing.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Fundamental Emissions

3.3.1 Fundamental Emissions Limit

Fundamental Emissions E-Field Strength Limit (3m)	
☒	902-928 MHz Band: 94 dBuV/m (quasi peak)
☐	2400-2483.5 MHz Band: 94 dBuV/m (average)
☐	5725-5875 MHz Band: 94 dBuV/m (average)

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

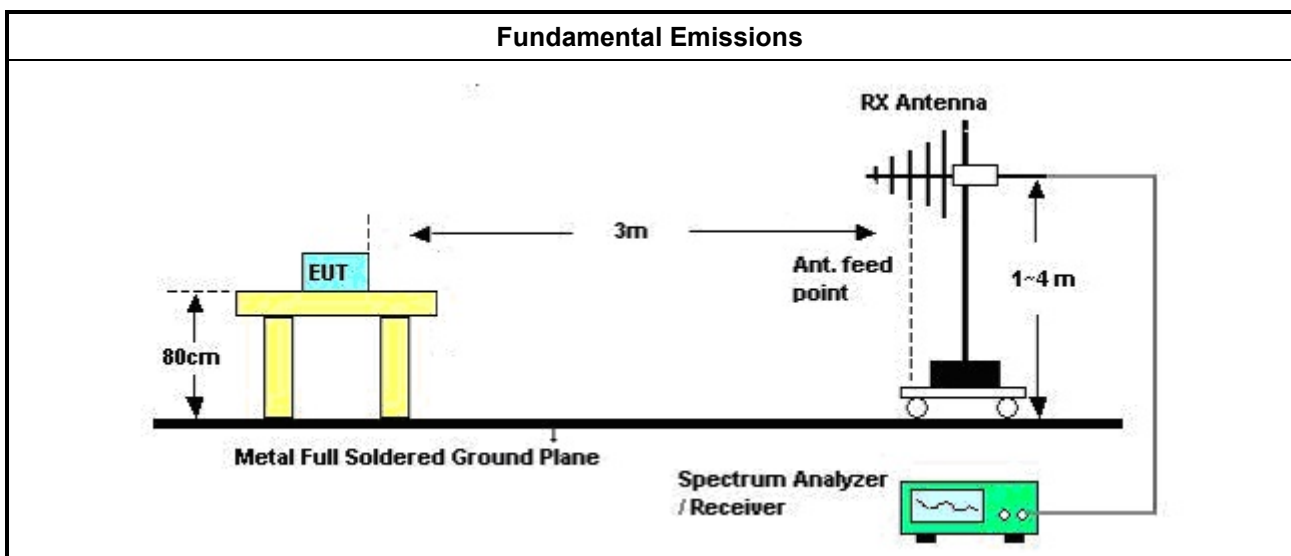
☒	The average emission levels shall be measured in [duty cycle $\geq$ 100 or by duty cycle correction factor].
☒	For the transmitter emissions shall be measured using following options below:
☒	Refer as ANSI C63.10, clause 4.1.5.2.3 (Reduced VBW) – Duty cycle $\geq$ 100%.
☐	Refer as ANSI C63.10, clause 4.1.5.2.5 average value of pulsed emissions. Adjusted by a “duty cycle correction factor”, derived from $20\log(\text{dwell time}/100 \text{ ms})$. Average emission = peak emission + 20 log (duty cycle).
☒	Refer as ANSI C63.10, clause 4.1.5.2.1 measurement procedure quasi-peak limit.
☐	Refer as ANSI C63.10, clause 4.1.5.2.2 measurement procedure peak limit.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☐	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.

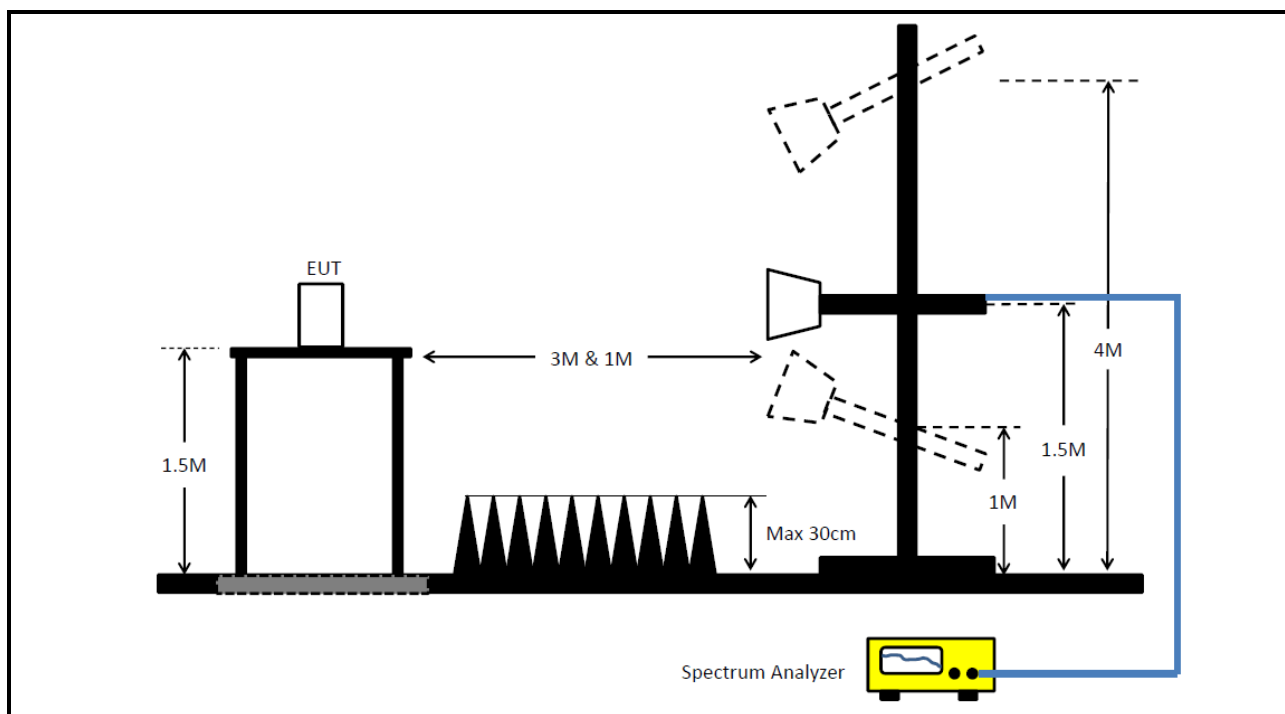
3.3.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.3.5 Test Setup





3.3.6 Test Result of Fundamental Emissions

Refer as Appendix C

3.4 Transmitter Radiated Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

Transmitter Radiated Unwanted Emissions Limit	
Harmonics:	
☒	54 dBuV/m (average)
Other Unwanted Emissions:	
☒	50 dB below the level of the fundamental or Part 15.209, whichever is the lesser attenuation.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method – General Information	
☒	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).
☒	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
☒	Refer as ANSI C63.10, clause 6.10.3 bandedge 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 4.1.5.2.3 (Reduced VBW) – Duty cycle $\geq$ 100%.
☐	Refer as ANSI C63.10, clause 4.1.5.2.5 average value of pulsed emissions. Adjusted by a “duty cycle correction factor”, derived from $20\log(\text{dwell time}/100 \text{ ms})$. Average emission = peak emission + $20\log(\text{duty cycle})$.
☒	Refer as ANSI C63.10, clause 4.1.5.2.1 measurement procedure quasi-peak limit.
☐	Refer as ANSI C63.10, clause 4.1.5.2.2 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:
☒	Refer as ANSI C63.10, clause 6.10 for band-edge testing.
☐	Refer as ANSI C63.10, clause 6.10.6 for marker-delta method for band-edge measurements.
☒	For radiated measurement.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.
☒	The any unwanted emissions level shall not exceed the fundamental emission level.
☒	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.



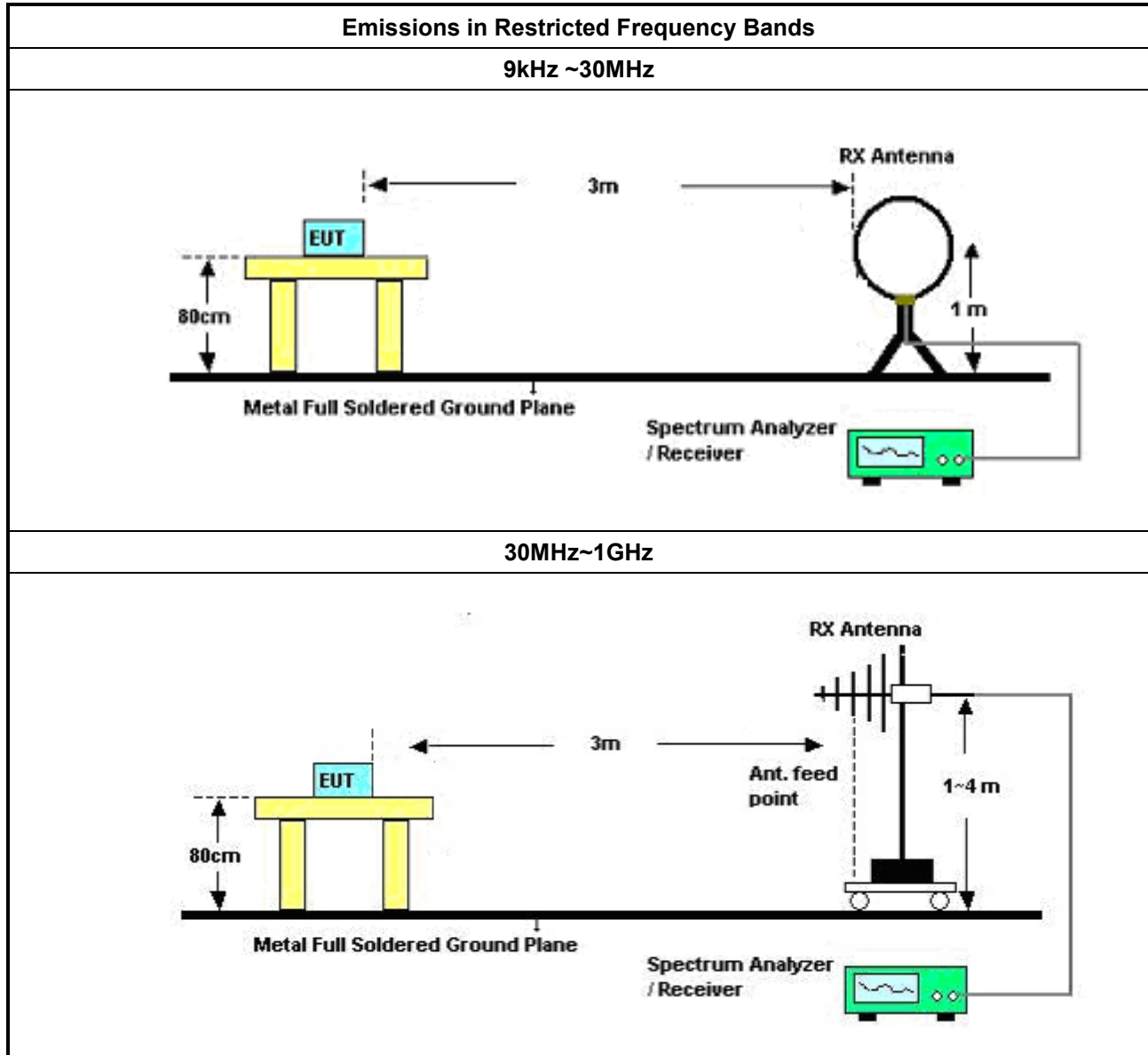
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
▪	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
▪	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

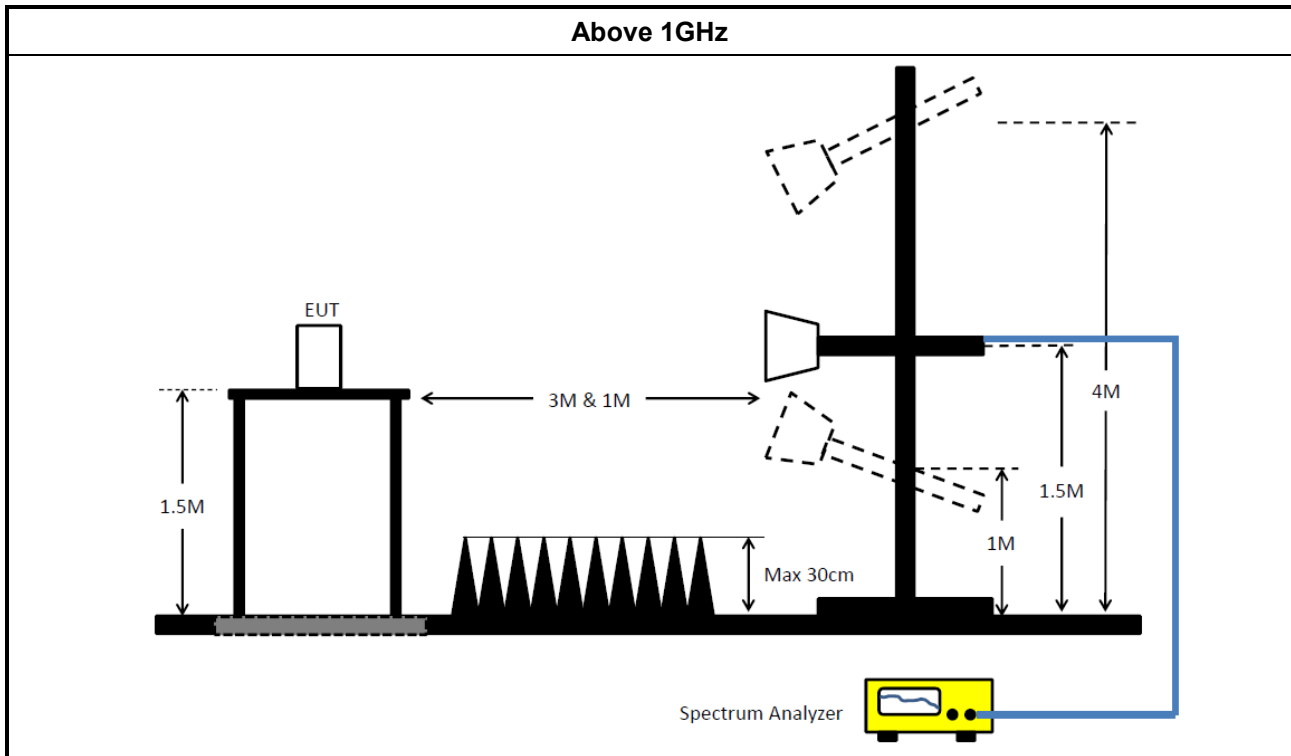
3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup





3.4.6 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.4.7 Transmitter Radiated Unwanted Emissions

Refer as Appendix C



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	100003	9kHz ~ 30MHz	18/Apr/2025	17/Apr/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
SENSE-15247_FS	Sporton	V5.11.24	N/A	N/A	N/A	N/A

**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	20/Jul/2024	19/Jul/2025
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	08/Aug/2024	07/Aug/2025
ESR7 EMI Test Receiver	ROHDE & SCHWARZ	ESR7	102956	9kHz~3.6GHz	27/Aug/2024	26/Aug/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	18/Nov/2024	17/Nov/2025
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-DTS	Sporton	V5.11.24	NA	NA	NA	NA



Conducted Emissions at Powerline_SKU 1

Appendix A.1

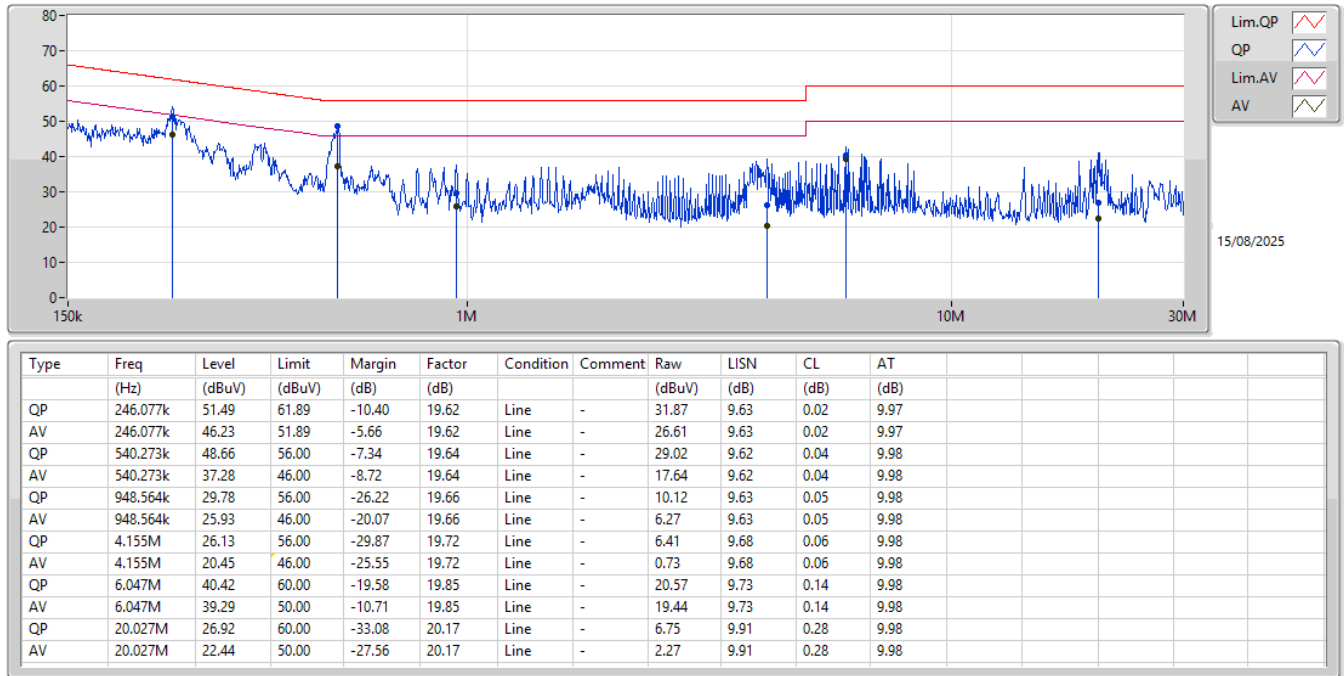
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	246.077k	46.23	51.89	-5.66	Line

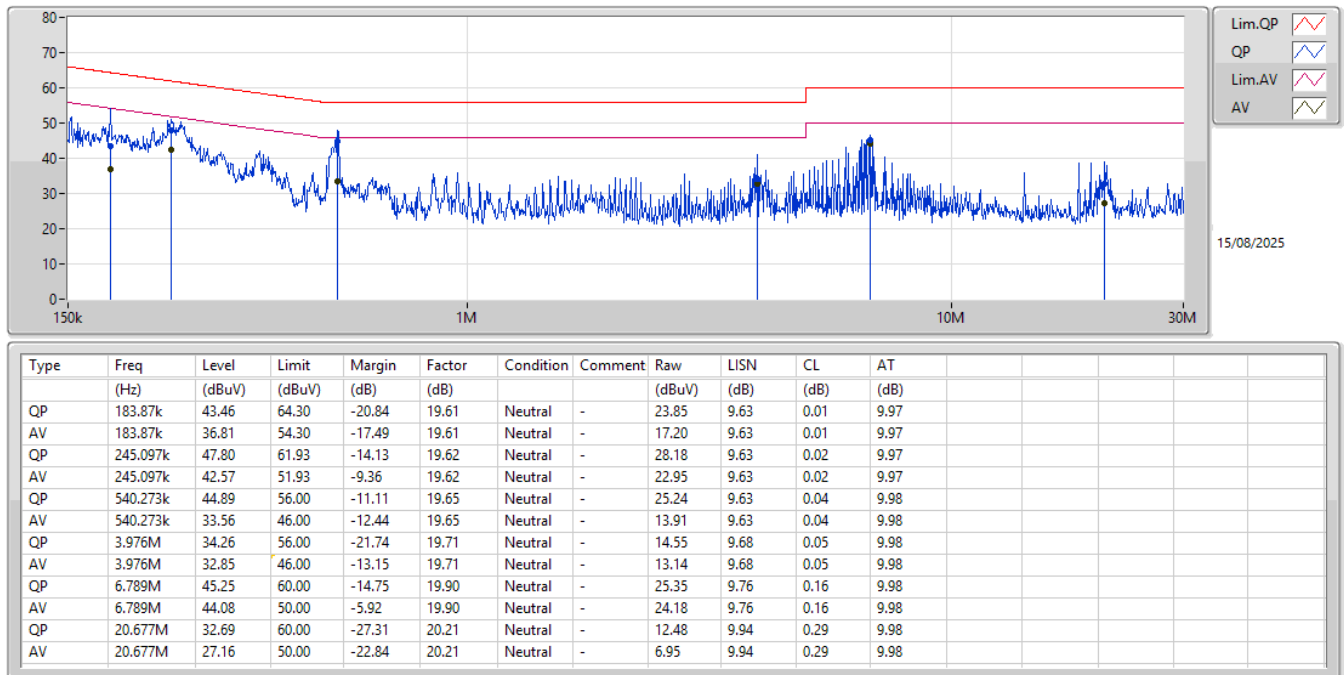
Result

Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	246.077k	51.49	61.89	-10.40	Line	-
Mode 1	Pass	AV	246.077k	46.23	51.89	-5.66	Line	-
Mode 1	Pass	QP	540.273k	48.66	56.00	-7.34	Line	-
Mode 1	Pass	AV	540.273k	37.28	46.00	-8.72	Line	-
Mode 1	Pass	QP	948.564k	29.78	56.00	-26.22	Line	-
Mode 1	Pass	AV	948.564k	25.93	46.00	-20.07	Line	-
Mode 1	Pass	QP	4.155M	26.13	56.00	-29.87	Line	-
Mode 1	Pass	AV	4.155M	20.45	46.00	-25.55	Line	-
Mode 1	Pass	QP	6.047M	40.42	60.00	-19.58	Line	-
Mode 1	Pass	AV	6.047M	39.29	50.00	-10.71	Line	-
Mode 1	Pass	QP	20.027M	26.92	60.00	-33.08	Line	-
Mode 1	Pass	AV	20.027M	22.44	50.00	-27.56	Line	-
Mode 1	Pass	QP	183.87k	43.46	64.30	-20.84	Neutral	-
Mode 1	Pass	AV	183.87k	36.81	54.30	-17.49	Neutral	-
Mode 1	Pass	QP	245.097k	47.80	61.93	-14.13	Neutral	-
Mode 1	Pass	AV	245.097k	42.57	51.93	-9.36	Neutral	-
Mode 1	Pass	QP	540.273k	44.89	56.00	-11.11	Neutral	-
Mode 1	Pass	AV	540.273k	33.56	46.00	-12.44	Neutral	-
Mode 1	Pass	QP	3.976M	34.26	56.00	-21.74	Neutral	-
Mode 1	Pass	AV	3.976M	32.85	46.00	-13.15	Neutral	-
Mode 1	Pass	QP	6.789M	45.25	60.00	-14.75	Neutral	-
Mode 1	Pass	AV	6.789M	44.08	50.00	-5.92	Neutral	-
Mode 1	Pass	QP	20.677M	32.69	60.00	-27.31	Neutral	-
Mode 1	Pass	AV	20.677M	27.16	50.00	-22.84	Neutral	-

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1





Conducted Emissions at Powerline_SKU 2

Appendix A.2

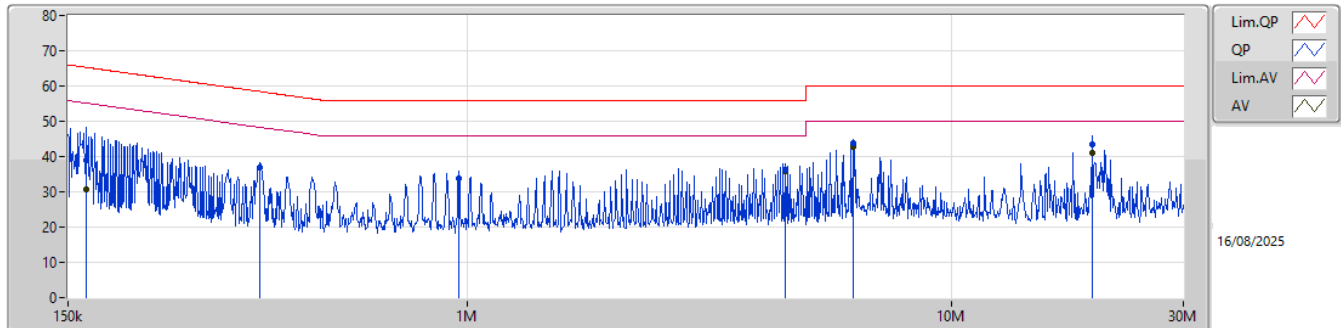
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	6.243M	43.27	50.00	-6.73	Neutral

Result

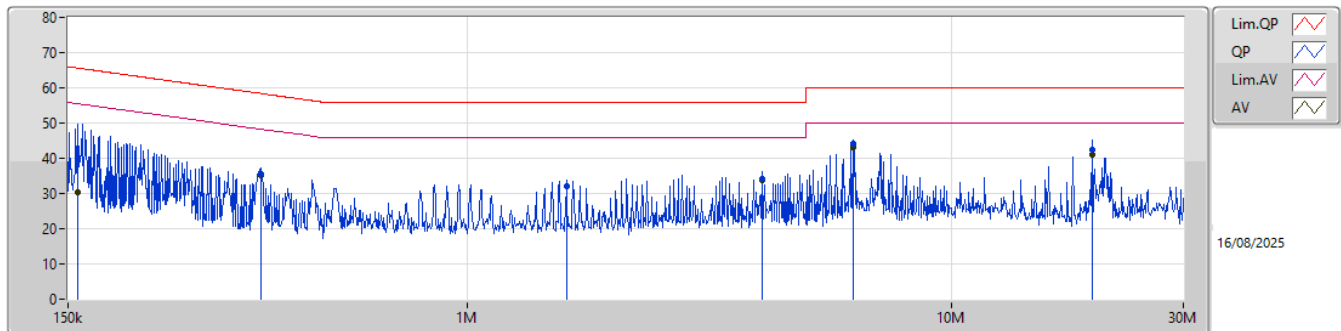
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.769k	38.95	65.27	-26.32	Line	-
Mode 1	Pass	AV	163.769k	30.65	55.27	-24.62	Line	-
Mode 1	Pass	QP	372.716k	36.94	58.45	-21.51	Line	-
Mode 1	Pass	AV	372.716k	36.89	48.45	-11.56	Line	-
Mode 1	Pass	QP	959.992k	33.94	56.00	-22.06	Line	-
Mode 1	Pass	AV	959.992k	33.78	46.00	-12.22	Line	-
Mode 1	Pass	QP	4.536M	36.36	56.00	-19.64	Line	-
Mode 1	Pass	AV	4.536M	35.93	46.00	-10.07	Line	-
Mode 1	Pass	QP	6.243M	43.80	60.00	-16.20	Line	-
Mode 1	Pass	AV	6.243M	42.79	50.00	-7.21	Line	-
Mode 1	Pass	QP	19.475M	43.62	60.00	-16.38	Line	-
Mode 1	Pass	AV	19.475M	41.19	50.00	-8.81	Line	-
Mode 1	Pass	QP	157.361k	40.25	65.60	-25.35	Neutral	-
Mode 1	Pass	AV	157.361k	30.34	55.60	-25.26	Neutral	-
Mode 1	Pass	QP	374.207k	35.45	58.41	-22.96	Neutral	-
Mode 1	Pass	AV	374.207k	35.34	48.41	-13.07	Neutral	-
Mode 1	Pass	QP	1.6M	32.22	56.00	-23.78	Neutral	-
Mode 1	Pass	AV	1.6M	32.00	46.00	-14.00	Neutral	-
Mode 1	Pass	QP	4.056M	34.23	56.00	-21.77	Neutral	-
Mode 1	Pass	AV	4.056M	33.87	46.00	-12.13	Neutral	-
Mode 1	Pass	QP	6.243M	44.15	60.00	-15.85	Neutral	-
Mode 1	Pass	AV	6.243M	43.27	50.00	-6.73	Neutral	-
Mode 1	Pass	QP	19.475M	42.44	60.00	-17.56	Neutral	-
Mode 1	Pass	AV	19.475M	40.87	50.00	-9.13	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	163.769k	38.95	65.27	-26.32	19.61	Line	-	19.34	9.63	0.01	9.97						
AV	163.769k	30.65	55.27	-24.62	19.61	Line	-	11.04	9.63	0.01	9.97						
QP	372.716k	36.94	58.45	-21.51	19.63	Line	-	17.31	9.62	0.03	9.98						
AV	372.716k	36.89	48.45	-11.56	19.63	Line	-	17.26	9.62	0.03	9.98						
QP	959.992k	33.94	56.00	-22.06	19.66	Line	-	14.28	9.63	0.05	9.98						
AV	959.992k	33.78	46.00	-12.22	19.66	Line	-	14.12	9.63	0.05	9.98						
QP	4.536M	36.36	56.00	-19.64	19.75	Line	-	16.61	9.69	0.08	9.98						
AV	4.536M	35.93	46.00	-10.07	19.75	Line	-	16.18	9.69	0.08	9.98						
QP	6.243M	43.80	60.00	-16.20	19.86	Line	-	23.94	9.74	0.14	9.98						
AV	6.243M	42.79	50.00	-7.21	19.86	Line	-	22.93	9.74	0.14	9.98						
QP	19.475M	43.62	60.00	-16.38	20.17	Line	-	23.45	9.91	0.28	9.98						
AV	19.475M	41.19	50.00	-8.81	20.17	Line	-	21.02	9.91	0.28	9.98						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	157.361k	40.25	65.60	-25.35	19.61	Neutral	-	20.64	9.63	0.01	9.97						
AV	157.361k	30.34	55.60	-25.26	19.61	Neutral	-	10.73	9.63	0.01	9.97						
QP	374.207k	35.45	58.41	-22.96	19.64	Neutral	-	15.81	9.63	0.03	9.98						
AV	374.207k	35.34	48.41	-13.07	19.64	Neutral	-	15.70	9.63	0.03	9.98						
QP	1.6M	32.22	56.00	-23.78	19.66	Neutral	-	12.56	9.65	0.04	9.97						
AV	1.6M	32.00	46.00	-14.00	19.66	Neutral	-	12.34	9.65	0.04	9.97						
QP	4.056M	34.23	56.00	-21.77	19.71	Neutral	-	14.52	9.68	0.05	9.98						
AV	4.056M	33.87	46.00	-12.13	19.71	Neutral	-	14.16	9.68	0.05	9.98						
QP	6.243M	44.15	60.00	-15.85	19.87	Neutral	-	24.28	9.75	0.14	9.98						
AV	6.243M	43.27	50.00	-6.73	19.87	Neutral	-	23.40	9.75	0.14	9.98						
QP	19.475M	42.44	60.00	-17.56	20.19	Neutral	-	22.25	9.93	0.28	9.98						
AV	19.475M	40.87	50.00	-9.13	20.19	Neutral	-	20.68	9.93	0.28	9.98						



Conducted Emissions at Powerline_SKU 3

Appendix A.3

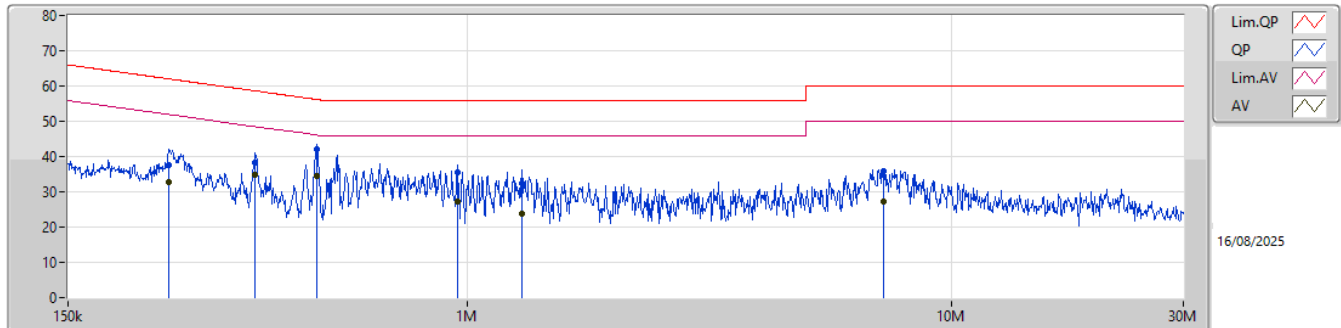
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	488.957k	34.39	46.19	-11.80	Line

Result

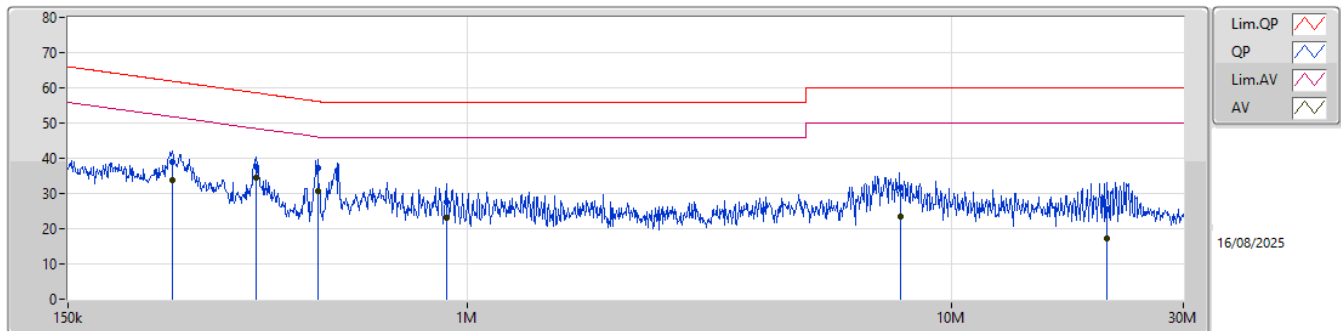
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	242.179k	37.48	62.02	-24.54	Line	-
Mode 1	Pass	AV	242.179k	32.87	52.02	-19.15	Line	-
Mode 1	Pass	QP	365.35k	38.17	58.60	-20.43	Line	-
Mode 1	Pass	AV	365.35k	34.81	48.60	-13.79	Line	-
Mode 1	Pass	QP	488.957k	41.95	56.19	-14.24	Line	-
Mode 1	Pass	AV	488.957k	34.39	46.19	-11.80	Line	-
Mode 1	Pass	QP	952.358k	35.67	56.00	-20.33	Line	-
Mode 1	Pass	AV	952.358k	27.25	46.00	-18.75	Line	-
Mode 1	Pass	QP	1.295M	32.50	56.00	-23.50	Line	-
Mode 1	Pass	AV	1.295M	23.77	46.00	-22.23	Line	-
Mode 1	Pass	QP	7.236M	35.85	60.00	-24.15	Line	-
Mode 1	Pass	AV	7.236M	27.10	50.00	-22.90	Line	-
Mode 1	Pass	QP	246.077k	38.88	61.89	-23.01	Neutral	-
Mode 1	Pass	AV	246.077k	33.92	51.89	-17.97	Neutral	-
Mode 1	Pass	QP	366.811k	37.64	58.58	-20.94	Neutral	-
Mode 1	Pass	AV	366.811k	34.52	48.58	-14.06	Neutral	-
Mode 1	Pass	QP	490.912k	37.32	56.15	-18.83	Neutral	-
Mode 1	Pass	AV	490.912k	30.66	46.15	-15.49	Neutral	-
Mode 1	Pass	QP	904.195k	27.72	56.00	-28.28	Neutral	-
Mode 1	Pass	AV	904.195k	23.08	46.00	-22.92	Neutral	-
Mode 1	Pass	QP	7.807M	31.64	60.00	-28.36	Neutral	-
Mode 1	Pass	AV	7.807M	23.36	50.00	-26.64	Neutral	-
Mode 1	Pass	QP	20.843M	25.45	60.00	-34.55	Neutral	-
Mode 1	Pass	AV	20.843M	17.37	50.00	-32.63	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	242.179k	37.48	62.02	-24.54	19.62	Line	-	17.86	9.63	0.02	9.97
AV	242.179k	32.87	52.02	-19.15	19.62	Line	-	13.25	9.63	0.02	9.97
QP	365.35k	38.17	58.60	-20.43	19.63	Line	-	18.54	9.62	0.03	9.98
AV	365.35k	34.81	48.60	-13.79	19.63	Line	-	15.18	9.62	0.03	9.98
QP	488.957k	41.95	56.19	-14.24	19.63	Line	-	22.32	9.62	0.03	9.98
AV	488.957k	34.39	46.19	-11.80	19.63	Line	-	14.76	9.62	0.03	9.98
QP	952.358k	35.67	56.00	-20.33	19.66	Line	-	16.01	9.63	0.05	9.98
AV	952.358k	27.25	46.00	-18.75	19.66	Line	-	7.59	9.63	0.05	9.98
QP	1.295M	32.50	56.00	-23.50	19.66	Line	-	12.84	9.64	0.04	9.98
AV	1.295M	23.77	46.00	-22.23	19.66	Line	-	4.11	9.64	0.04	9.98
QP	7.236M	35.85	60.00	-24.15	19.91	Line	-	15.94	9.76	0.17	9.98
AV	7.236M	27.10	50.00	-22.90	19.91	Line	-	7.19	9.76	0.17	9.98

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	246.077k	38.88	61.89	-23.01	19.62	Neutral	-	19.26	9.63	0.02	9.97
AV	246.077k	33.92	51.89	-17.97	19.62	Neutral	-	14.30	9.63	0.02	9.97
QP	366.811k	37.64	58.58	-20.94	19.64	Neutral	-	18.00	9.63	0.03	9.98
AV	366.811k	34.52	48.58	-14.06	19.64	Neutral	-	14.88	9.63	0.03	9.98
QP	490.912k	37.32	56.15	-18.83	19.64	Neutral	-	17.68	9.63	0.03	9.98
AV	490.912k	30.66	46.15	-15.49	19.64	Neutral	-	11.02	9.63	0.03	9.98
QP	904.195k	27.72	56.00	-28.28	19.67	Neutral	-	8.05	9.64	0.05	9.98
AV	904.195k	23.08	46.00	-22.92	19.67	Neutral	-	3.41	9.64	0.05	9.98
QP	7.807M	31.64	60.00	-28.36	19.95	Neutral	-	11.69	9.78	0.19	9.98
AV	7.807M	23.36	50.00	-26.64	19.95	Neutral	-	3.41	9.78	0.19	9.98
QP	20.843M	25.45	60.00	-34.55	20.21	Neutral	-	5.24	9.94	0.29	9.98
AV	20.843M	17.37	50.00	-32.63	20.21	Neutral	-	-2.84	9.94	0.29	9.98



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
Z-Wave	113.625k	113.568k	114KD1D	85.125k	82.459k

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)
Z-Wave	-	-	-	-
908.4MHz	Pass	Inf	85.125k	82.459k
916MHz	Pass	Inf	113.625k	113.568k

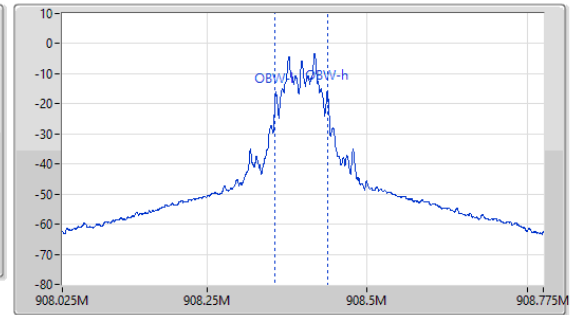
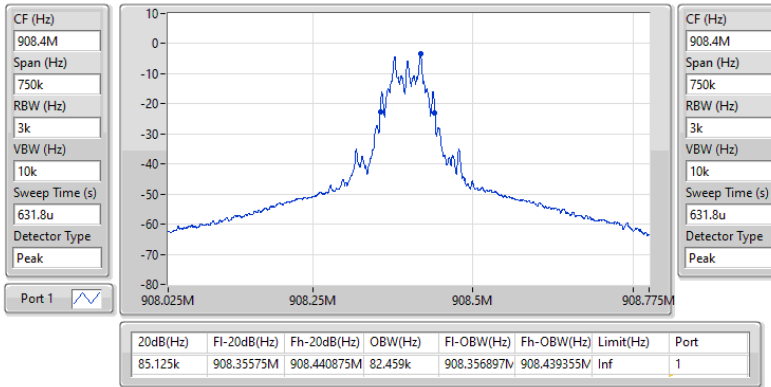
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_Z-Wave

EBW-DTS

908.4MHz

30/07/2025

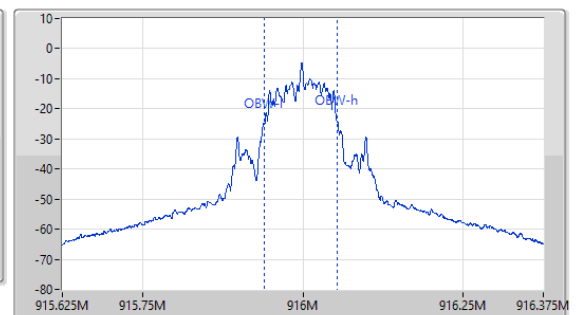
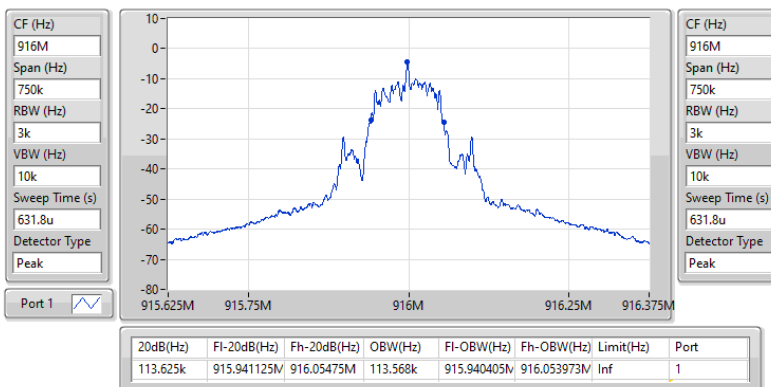


902-928MHz_Z-Wave

EBW-DTS

916MHz

30/07/2025





Summary

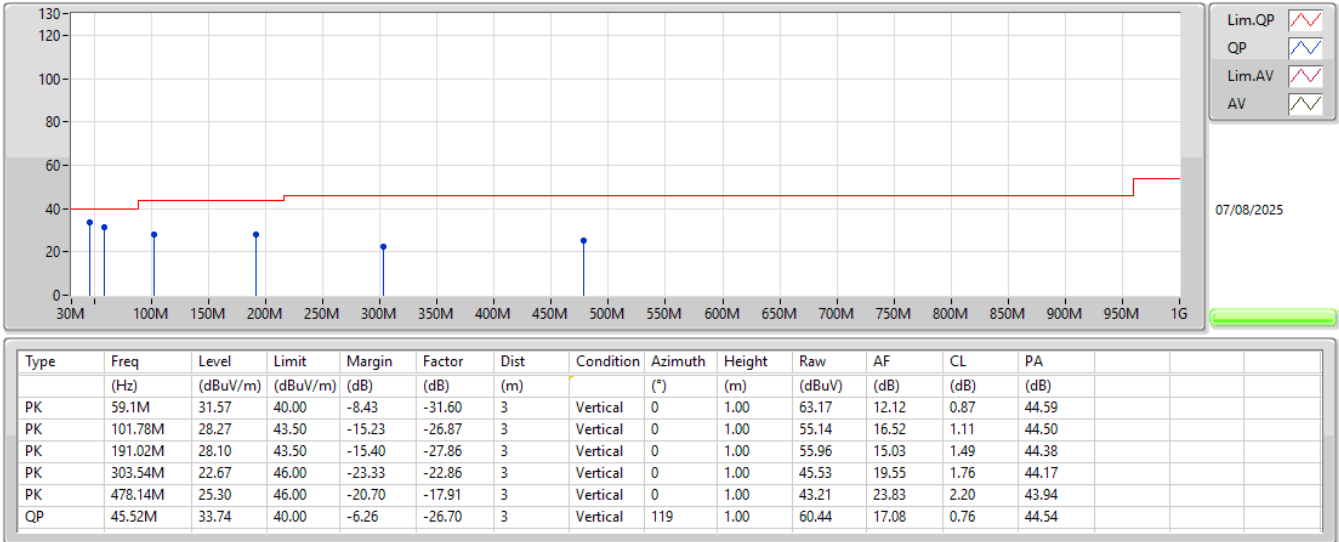
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
Z-Wave	Pass	QP	45.52M	33.74	40.00	-6.26	3	Vertical	119	1.00

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Z-Wave	-	-	-	-	-	-	-	-	-	-
916MHz_PoE	Pass	PK	59.1M	31.57	40.00	-8.43	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	101.78M	28.27	43.50	-15.23	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	191.02M	28.10	43.50	-15.40	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	303.54M	22.67	46.00	-23.33	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	478.14M	25.30	46.00	-20.70	3	Vertical	0	1.00
916MHz_PoE	Pass	QP	45.52M	33.74	40.00	-6.26	3	Vertical	119	1.00
916MHz_PoE	Pass	PK	31.94M	30.60	40.00	-9.40	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	45.52M	26.13	40.00	-13.87	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	62.98M	24.67	40.00	-15.33	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	90.14M	24.89	43.50	-18.61	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	214.3M	25.34	43.50	-18.16	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	303.54M	27.19	46.00	-18.81	3	Horizontal	360	1.00

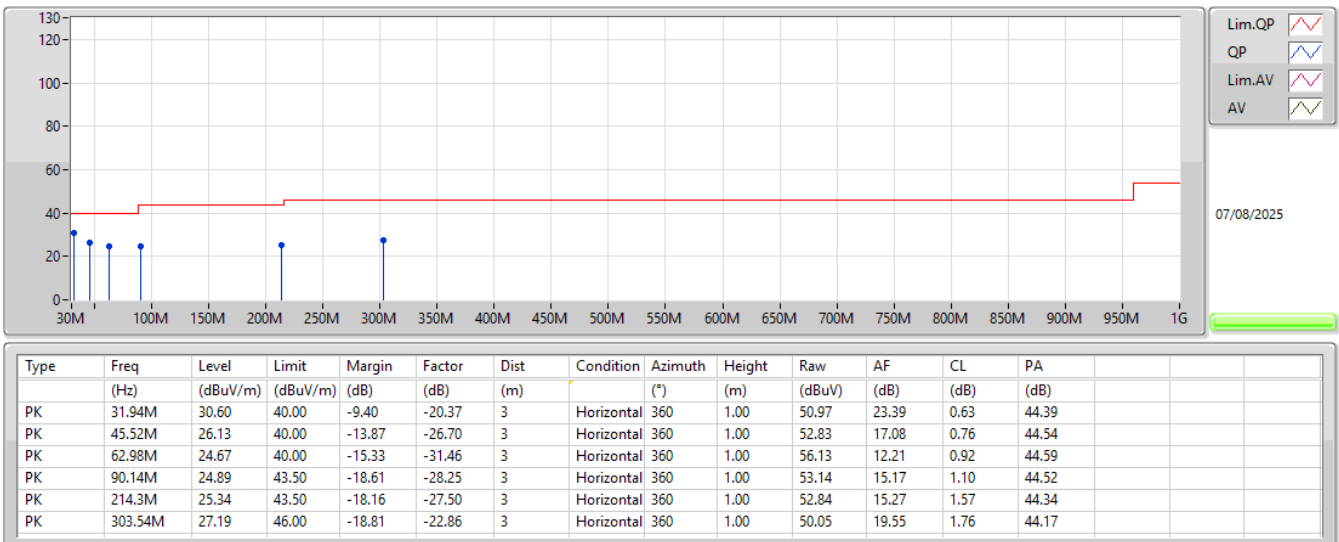
902-928MHz_Z-Wave

916MHz_PoE



902-928MHz_Z-Wave

916MHz_PoE





Summary

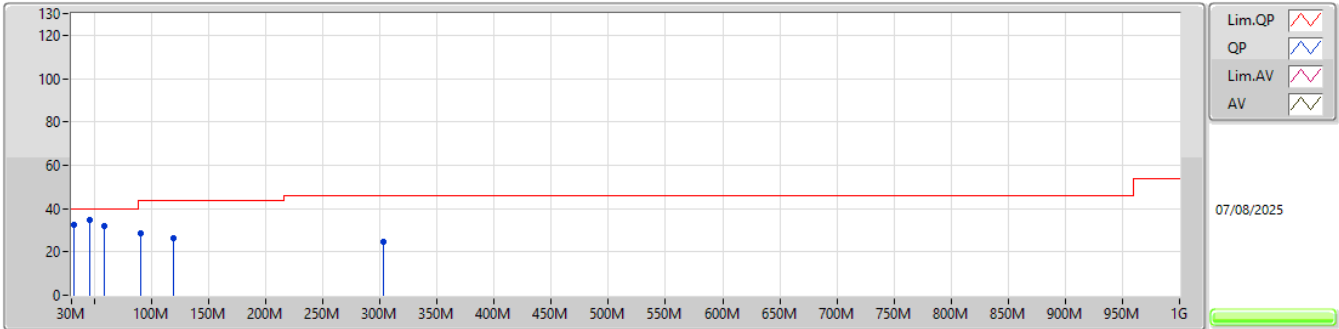
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
Z-Wave	Pass	PK	45.52M	34.83	40.00	-5.17	3	Vertical	0	1.00

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Z-Wave	-	-	-	-	-	-	-	-	-	-
916MHz_PoE	Pass	PK	31.94M	32.77	40.00	-7.23	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	45.52M	34.83	40.00	-5.17	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	59.1M	32.09	40.00	-7.91	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	90.14M	28.43	43.50	-15.07	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	119.24M	26.45	43.50	-17.05	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	303.54M	24.62	46.00	-21.38	3	Vertical	0	1.00
916MHz_PoE	Pass	PK	33.88M	33.29	40.00	-6.71	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	90.14M	28.90	43.50	-14.60	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	202.66M	26.83	43.50	-16.67	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	270.56M	26.32	46.00	-19.68	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	303.54M	29.05	46.00	-16.95	3	Horizontal	360	1.00
916MHz_PoE	Pass	PK	478.14M	29.87	46.00	-16.13	3	Horizontal	360	1.00

902-928MHz_Z-Wave

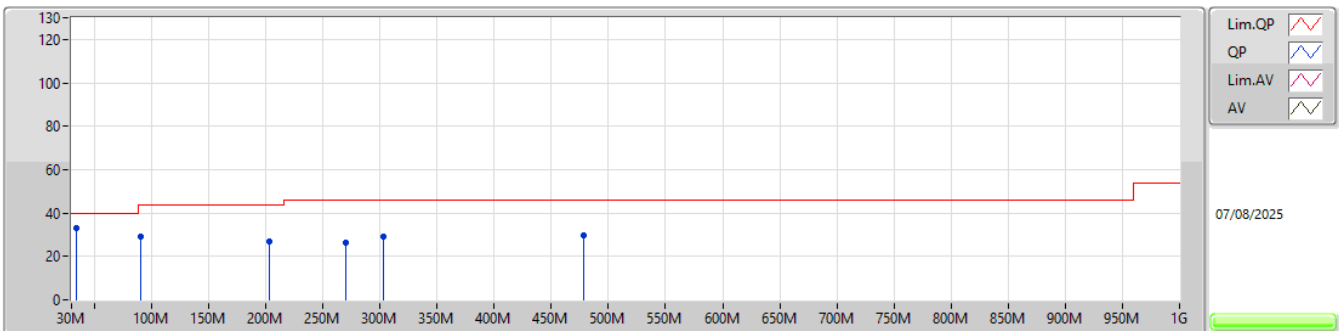
916MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	31.94M	32.77	40.00	-7.23	-20.37	3	Vertical	0	1.00	53.14	23.39	0.63	44.39				
PK	45.52M	34.83	40.00	-5.17	-26.70	3	Vertical	0	1.00	61.53	17.08	0.76	44.54				
PK	59.1M	32.09	40.00	-7.91	-31.60	3	Vertical	0	1.00	63.69	12.12	0.87	44.59				
PK	90.14M	28.43	43.50	-15.07	-28.25	3	Vertical	0	1.00	56.68	15.17	1.10	44.52				
PK	119.24M	26.45	43.50	-17.05	-25.74	3	Vertical	0	1.00	52.19	17.59	1.21	44.54				
PK	303.54M	24.62	46.00	-21.38	-22.86	3	Vertical	0	1.00	47.48	19.55	1.76	44.17				

902-928MHz_Z-Wave

916MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	33.88M	33.29	40.00	-6.71	-21.01	3	Horizontal	360	1.00	54.30	22.78	0.65	44.44				
PK	90.14M	28.90	43.50	-14.60	-28.25	3	Horizontal	360	1.00	57.15	15.17	1.10	44.52				
PK	202.66M	26.83	43.50	-16.67	-27.45	3	Horizontal	360	1.00	54.28	15.37	1.54	44.36				
PK	270.56M	26.32	46.00	-19.68	-23.22	3	Horizontal	360	1.00	49.54	19.32	1.71	44.25				
PK	303.54M	29.05	46.00	-16.95	-22.86	3	Horizontal	360	1.00	51.91	19.55	1.76	44.17				
PK	478.14M	29.87	46.00	-16.13	-17.91	3	Horizontal	360	1.00	47.78	23.83	2.20	43.94				



Summary

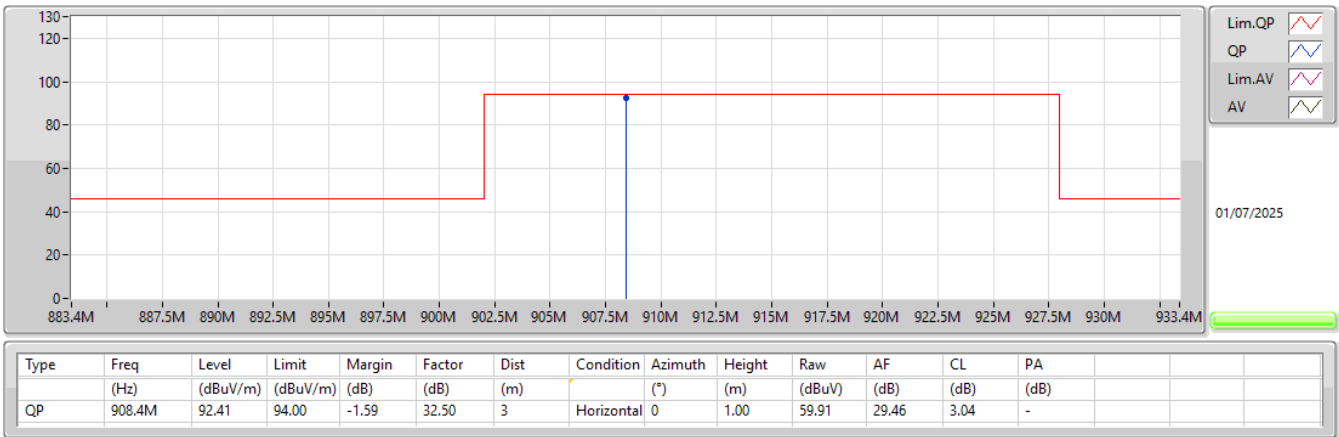
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
Z-Wave	Pass	QP	916M	92.43	94.00	-1.57	3	Horizontal	0	1.00

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Z-Wave	-	-	-	-	-	-	-	-	-	-
908.4MHz_Adapter	Pass	QP	908.4M	92.41	94.00	-1.59	3	Horizontal	0	1.00
908.4MHz_Adapter	Pass	PK	30M	31.28	40.00	-8.72	3	Vertical	0	1.00
908.4MHz_Adapter	Pass	PK	41.64M	33.93	40.00	-6.07	3	Vertical	0	1.00
908.4MHz_Adapter	Pass	PK	214.3M	28.19	43.50	-15.31	3	Vertical	0	1.00
908.4MHz_Adapter	Pass	PK	286.08M	30.94	46.00	-15.06	3	Vertical	0	1.00
908.4MHz_Adapter	Pass	PK	478.14M	33.47	46.00	-12.53	3	Vertical	0	1.00
908.4MHz_Adapter	Pass	QP	119.24M	40.46	43.50	-3.04	3	Vertical	210	2.34
908.4MHz_Adapter	Pass	PK	61.04M	31.44	40.00	-8.56	3	Horizontal	360	1.00
908.4MHz_Adapter	Pass	PK	119.24M	33.27	43.50	-10.23	3	Horizontal	360	1.00
908.4MHz_Adapter	Pass	PK	249.22M	36.77	46.00	-9.23	3	Horizontal	360	1.00
908.4MHz_Adapter	Pass	PK	286.08M	29.03	46.00	-16.97	3	Horizontal	360	1.00
908.4MHz_Adapter	Pass	PK	383.08M	29.34	46.00	-16.66	3	Horizontal	360	1.00
908.4MHz_Adapter	Pass	PK	575.14M	30.79	46.00	-15.21	3	Horizontal	360	1.00
916MHz_Adapter	Pass	QP	916M	92.43	94.00	-1.57	3	Horizontal	0	1.00
916MHz_Adapter	Pass	PK	101.78M	32.28	43.50	-11.22	3	Vertical	360	1.00
916MHz_Adapter	Pass	PK	117.3M	36.14	43.50	-7.36	3	Vertical	360	1.00
916MHz_Adapter	Pass	PK	214.3M	27.03	43.50	-16.47	3	Vertical	360	1.00
916MHz_Adapter	Pass	PK	334.58M	25.27	46.00	-20.73	3	Vertical	360	1.00
916MHz_Adapter	Pass	PK	478.14M	29.87	46.00	-16.13	3	Vertical	360	1.00
916MHz_Adapter	Pass	QP	31.94M	36.28	40.00	-3.72	3	Vertical	178	1.00
916MHz_Adapter	Pass	PK	31.94M	34.70	40.00	-5.30	3	Horizontal	0	1.00
916MHz_Adapter	Pass	PK	90.14M	27.29	43.50	-16.21	3	Horizontal	0	1.00
916MHz_Adapter	Pass	PK	119.24M	28.11	43.50	-15.39	3	Horizontal	0	1.00
916MHz_Adapter	Pass	PK	237.58M	30.18	46.00	-15.82	3	Horizontal	0	1.00
916MHz_Adapter	Pass	PK	286.08M	33.48	46.00	-12.52	3	Horizontal	0	1.00
916MHz_Adapter	Pass	PK	311.3M	32.37	46.00	-13.63	3	Horizontal	0	1.00

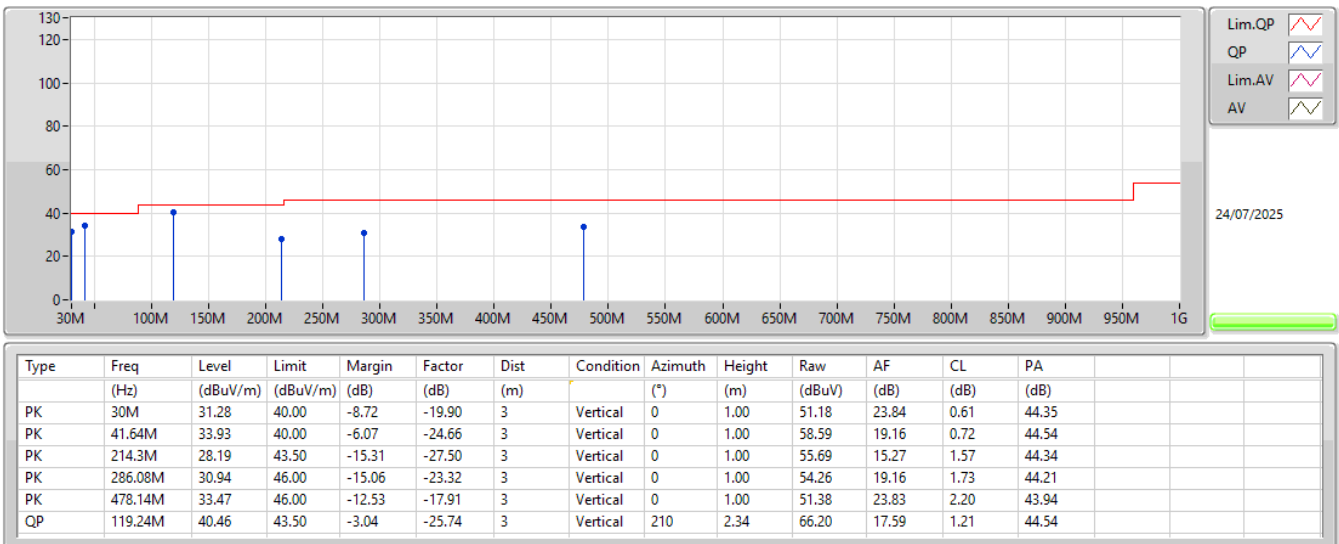
902-928MHz_Z-Wave

908.4MHz_Adapter



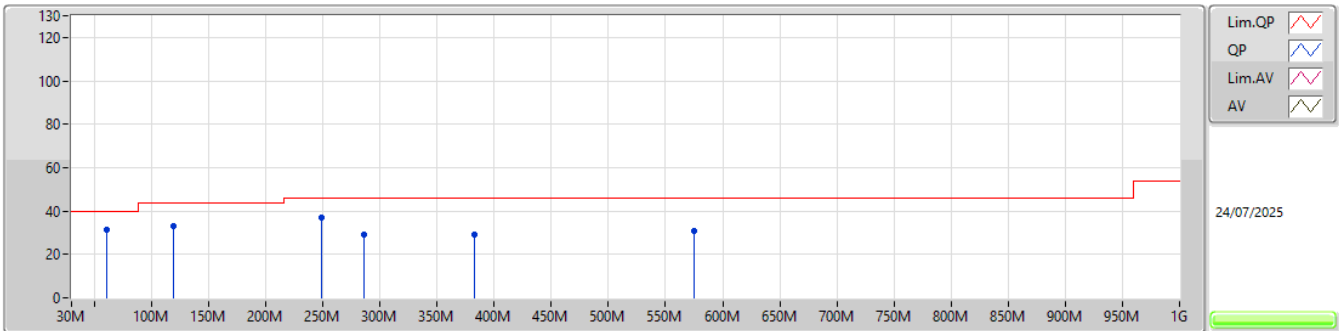
902-928MHz_Z-Wave

908.4MHz_Adapter



902-928MHz_Z-Wave

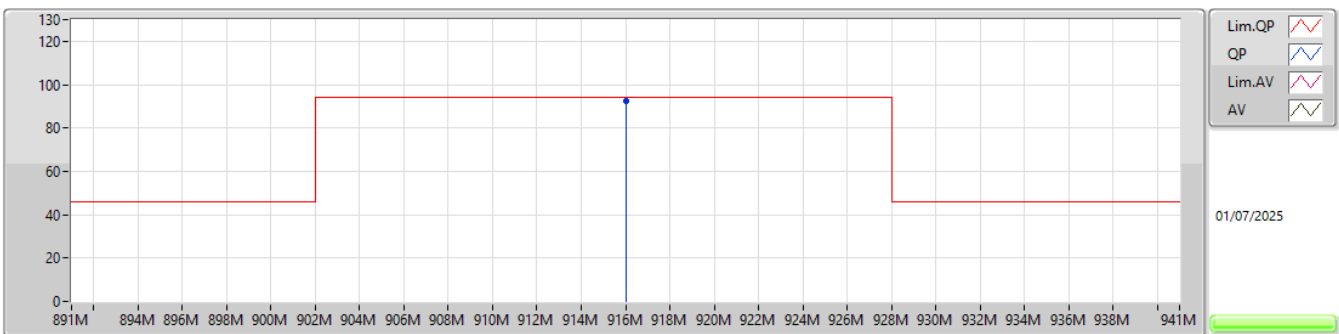
908.4MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	61.04M	31.44	40.00	-8.56	-31.54	3	Horizontal	360	1.00	62.98	12.16	0.89	44.59
PK	119.24M	33.27	43.50	-10.23	-25.74	3	Horizontal	360	1.00	59.01	17.59	1.21	44.54
PK	249.22M	36.77	46.00	-9.23	-23.93	3	Horizontal	360	1.00	60.70	18.69	1.68	44.30
PK	286.08M	29.03	46.00	-16.97	-23.32	3	Horizontal	360	1.00	52.35	19.16	1.73	44.21
PK	383.08M	29.34	46.00	-16.66	-20.62	3	Horizontal	360	1.00	49.96	21.47	1.97	44.06
PK	575.14M	30.79	46.00	-15.21	-15.14	3	Horizontal	360	1.00	45.93	26.26	2.42	43.82

902-928MHz_Z-Wave

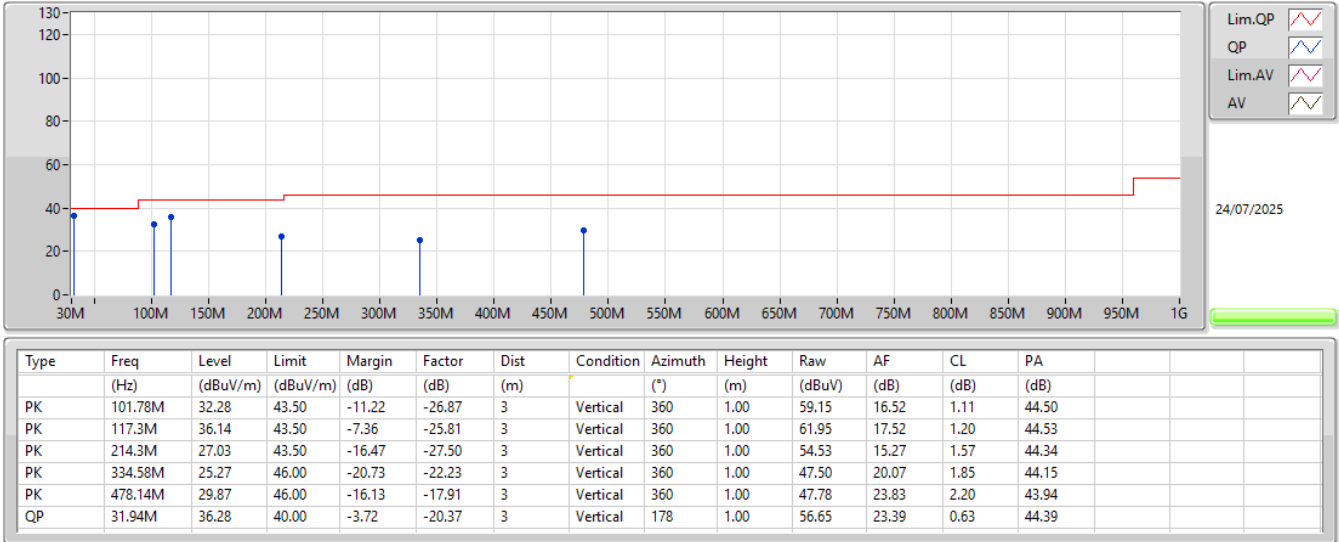
916MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
QP	916M	92.43	94.00	-1.57	32.61	3	Horizontal	0	1.00	59.82	29.59	3.02	-

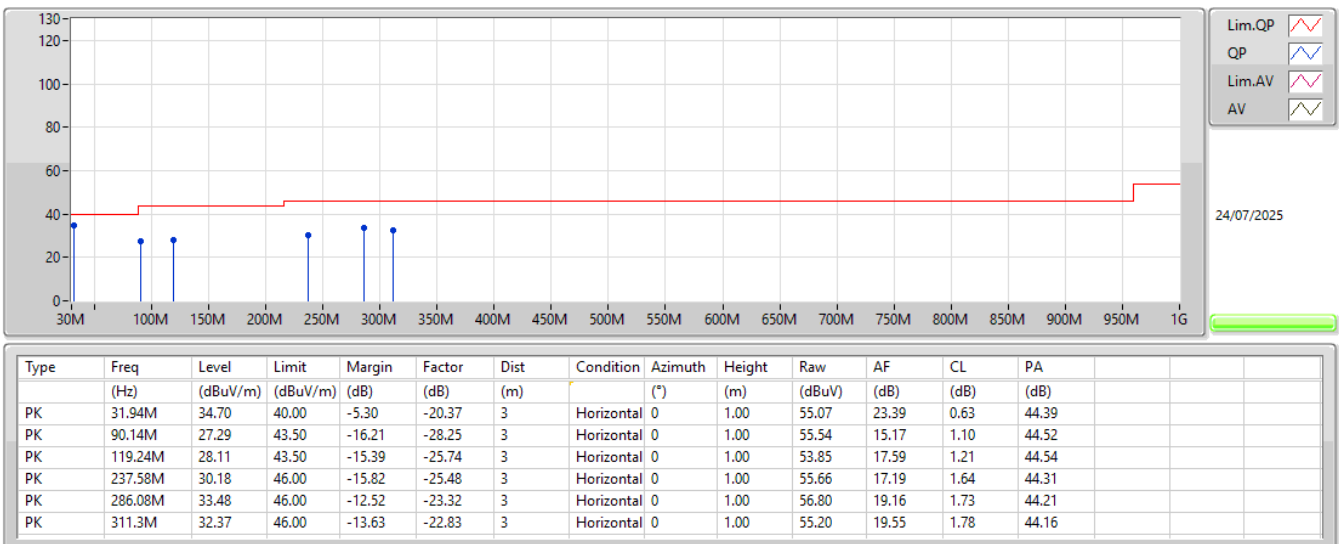
902-928MHz_Z-Wave

916MHz_Adapter



902-928MHz_Z-Wave

916MHz_Adapter





Summary

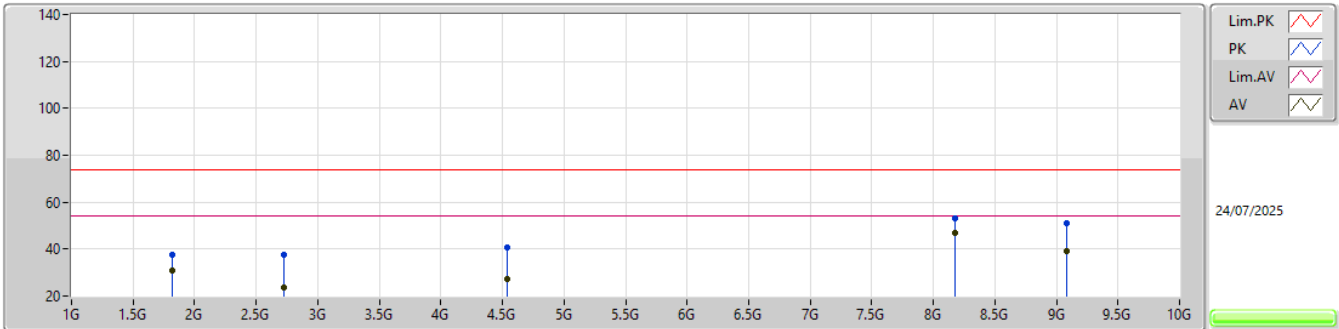
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
902-928MHz	-	-	-	-	-	-	-	-	-	-
Z-Wave	Pass	AV	8.17564G	47.14	54.00	-6.86	3	Vertical	230	2.87

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Z-Wave	-	-	-	-	-	-	-	-	-	-
908.4MHz_TX	Pass	AV	2.72527G	23.78	54.00	-30.22	3	Vertical	227	1.50
908.4MHz_TX	Pass	AV	4.54195G	27.35	54.00	-26.65	3	Vertical	243	1.50
908.4MHz_TX	Pass	AV	8.17564G	47.14	54.00	-6.86	3	Vertical	230	2.87
908.4MHz_TX	Pass	AV	9.084G	39.33	54.00	-14.67	3	Vertical	211	2.86
908.4MHz_TX	Pass	PK	2.72555G	37.52	74.00	-36.48	3	Vertical	227	1.50
908.4MHz_TX	Pass	PK	4.54139G	40.73	74.00	-33.27	3	Vertical	243	1.50
908.4MHz_TX	Pass	PK	8.17538G	53.36	74.00	-20.64	3	Vertical	230	2.87
908.4MHz_TX	Pass	PK	9.08366G	51.02	74.00	-22.98	3	Vertical	211	2.86
908.4MHz_TX	Pass	AV	1.81676G	30.85	54.00	-23.15	3	Vertical	78	1.50
908.4MHz_TX	Pass	PK	1.81689G	37.46	74.00	-36.54	3	Vertical	78	1.50
908.4MHz_TX	Pass	AV	2.72519G	25.18	54.00	-28.82	3	Horizontal	335	1.01
908.4MHz_TX	Pass	AV	4.54196G	31.03	54.00	-22.97	3	Horizontal	95	1.01
908.4MHz_TX	Pass	AV	8.17568G	41.85	54.00	-12.15	3	Horizontal	105	2.04
908.4MHz_TX	Pass	AV	9.08414G	38.84	54.00	-15.16	3	Horizontal	169	2.37
908.4MHz_TX	Pass	PK	2.72531G	37.63	74.00	-36.37	3	Horizontal	335	1.01
908.4MHz_TX	Pass	PK	4.54187G	42.48	74.00	-31.52	3	Horizontal	95	1.01
908.4MHz_TX	Pass	PK	8.17506G	51.03	74.00	-22.97	3	Horizontal	105	2.04
908.4MHz_TX	Pass	PK	9.08014G	50.69	74.00	-23.31	3	Horizontal	169	2.37
908.4MHz_TX	Pass	AV	1.81678G	35.84	54.00	-18.16	3	Horizontal	61	1.50
908.4MHz_TX	Pass	PK	1.81693G	40.08	74.00	-33.92	3	Horizontal	61	1.50
916MHz_TX	Pass	AV	1.83199G	28.50	54.00	-25.50	3	Vertical	74	1.50
916MHz_TX	Pass	AV	2.74784G	24.32	54.00	-29.68	3	Vertical	145	1.27
916MHz_TX	Pass	AV	4.58074G	27.49	54.00	-26.51	3	Vertical	351	1.54
916MHz_TX	Pass	AV	8.24394G	45.66	54.00	-8.34	3	Vertical	28	1.00
916MHz_TX	Pass	AV	9.15994G	41.75	54.00	-12.25	3	Vertical	215	2.82
916MHz_TX	Pass	PK	1.8321G	36.39	74.00	-37.61	3	Vertical	74	1.50
916MHz_TX	Pass	PK	2.74802G	37.64	74.00	-36.36	3	Vertical	145	1.27
916MHz_TX	Pass	PK	4.58142G	41.21	74.00	-32.79	3	Vertical	351	1.54
916MHz_TX	Pass	PK	8.24364G	52.73	74.00	-21.27	3	Vertical	28	1.00
916MHz_TX	Pass	PK	9.15976G	51.59	74.00	-22.41	3	Vertical	215	2.82
916MHz_TX	Pass	AV	1.83203G	34.44	54.00	-19.56	3	Horizontal	64	1.50
916MHz_TX	Pass	AV	2.748G	25.11	54.00	-28.89	3	Horizontal	331	1.00
916MHz_TX	Pass	AV	4.58003G	30.40	54.00	-23.60	3	Horizontal	95	1.00
916MHz_TX	Pass	AV	8.244G	40.72	54.00	-13.28	3	Horizontal	106	2.14
916MHz_TX	Pass	AV	9.16006G	39.46	54.00	-14.54	3	Horizontal	170	1.01
916MHz_TX	Pass	PK	1.83222G	39.16	74.00	-34.84	3	Horizontal	64	1.50
916MHz_TX	Pass	PK	2.74775G	38.68	74.00	-35.32	3	Horizontal	331	1.00
916MHz_TX	Pass	PK	4.57944G	42.07	74.00	-31.93	3	Horizontal	95	1.00
916MHz_TX	Pass	PK	8.24376G	50.15	74.00	-23.85	3	Horizontal	106	2.14
916MHz_TX	Pass	PK	9.16966G	50.83	74.00	-23.17	3	Horizontal	170	1.01

902-928MHz_Z-Wave

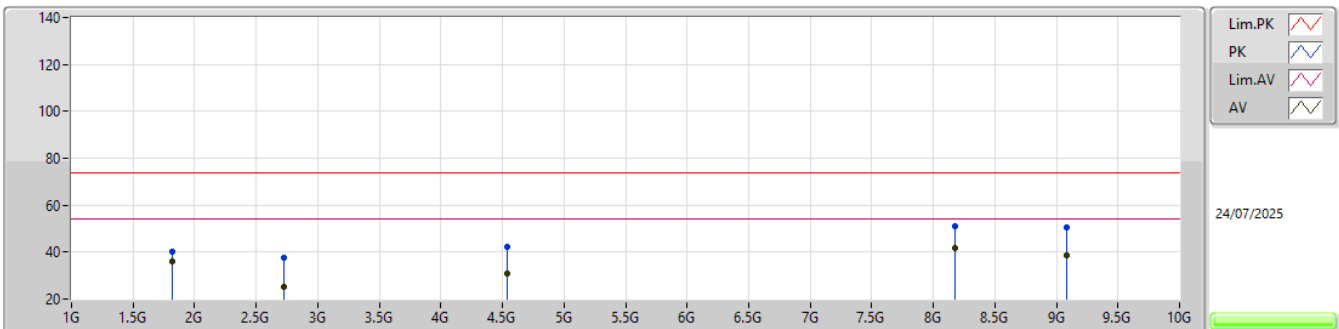
908.4MHz_TX



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	2.72527G	23.78	54.00	-30.22	-9.98	3	Vertical	227	1.50	33.76	28.35	5.10	43.43
AV	4.54195G	27.35	54.00	-26.65	-6.29	3	Vertical	243	1.50	33.64	31.70	6.17	44.16
AV	8.17564G	47.14	54.00	-6.86	1.81	3	Vertical	230	2.87	45.33	37.40	8.02	43.61
AV	9.084G	39.33	54.00	-14.67	3.89	3	Vertical	211	2.86	35.44	38.37	8.51	42.99
PK	2.72555G	37.52	74.00	-36.48	-9.97	3	Vertical	227	1.50	47.49	28.36	5.10	43.43
PK	4.54139G	40.73	74.00	-33.27	-6.29	3	Vertical	243	1.50	47.02	31.70	6.17	44.16
PK	8.17538G	53.36	74.00	-20.64	1.81	3	Vertical	230	2.87	51.55	37.40	8.02	43.61
PK	9.08366G	51.02	74.00	-22.98	3.89	3	Vertical	211	2.86	47.13	38.37	8.51	42.99
AV	1.81676G	30.85	54.00	-23.15	-13.35	3	Vertical	78	1.50	44.20	25.17	4.56	43.08
PK	1.81689G	37.46	74.00	-36.54	-13.35	3	Vertical	78	1.50	50.81	25.17	4.56	43.08

902-928MHz_Z-Wave

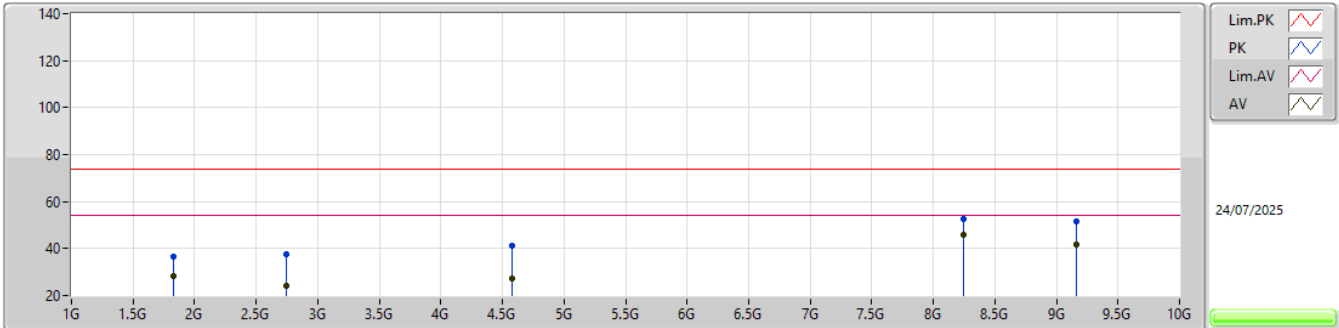
908.4MHz_TX



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	2.72519G	25.18	54.00	-28.82	-9.98	3	Horizontal	335	1.01	35.16	28.35	5.10	43.43
AV	4.54196G	31.03	54.00	-22.97	-6.29	3	Horizontal	95	1.01	37.32	31.70	6.17	44.16
AV	8.17568G	41.85	54.00	-12.15	1.81	3	Horizontal	105	2.04	40.04	37.40	8.02	43.61
AV	9.08414G	38.84	54.00	-15.16	3.89	3	Horizontal	169	2.37	34.95	38.37	8.51	42.99
PK	2.72531G	37.63	74.00	-36.37	-9.98	3	Horizontal	335	1.01	47.61	28.35	5.10	43.43
PK	4.54187G	42.48	74.00	-31.52	-6.29	3	Horizontal	95	1.01	48.77	31.70	6.17	44.16
PK	8.17506G	51.03	74.00	-22.97	1.81	3	Horizontal	105	2.04	49.22	37.40	8.02	43.61
PK	9.08014G	50.69	74.00	-23.31	3.87	3	Horizontal	169	2.37	46.82	38.36	8.51	43.00
AV	1.81678G	35.84	54.00	-18.16	-13.35	3	Horizontal	61	1.50	49.19	25.17	4.56	43.08
PK	1.81693G	40.08	74.00	-33.92	-13.35	3	Horizontal	61	1.50	53.43	25.17	4.56	43.08

902-928MHz_Z-Wave

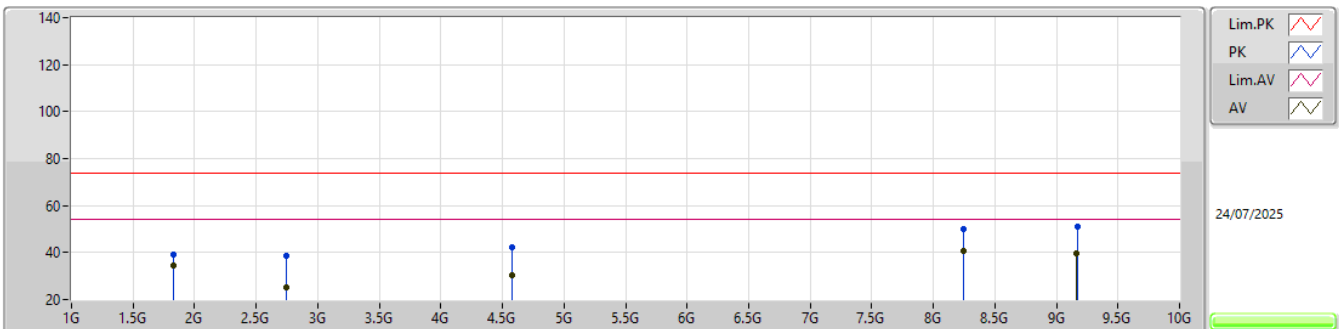
916MHz_TX



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	1.83199G	28.50	54.00	-25.50	-13.23	3	Vertical	74	1.50	41.73	25.30	4.56	43.09
AV	2.74784G	24.32	54.00	-29.68	-10.04	3	Vertical	145	1.27	34.36	28.30	5.09	43.43
AV	4.58074G	27.49	54.00	-26.51	-6.22	3	Vertical	351	1.54	33.71	31.76	6.18	44.16
AV	8.24394G	45.66	54.00	-8.34	1.95	3	Vertical	28	1.00	43.71	37.49	8.02	43.56
AV	9.15994G	41.75	54.00	-12.25	4.06	3	Vertical	215	2.82	37.69	38.40	8.54	42.88
PK	1.8321G	36.39	74.00	-37.61	-13.23	3	Vertical	74	1.50	49.62	25.30	4.56	43.09
PK	2.74802G	37.64	74.00	-36.36	-10.04	3	Vertical	145	1.27	47.68	28.30	5.09	43.43
PK	4.58142G	41.21	74.00	-32.79	-6.22	3	Vertical	351	1.54	47.43	31.76	6.18	44.16
PK	8.24364G	52.73	74.00	-21.27	1.95	3	Vertical	28	1.00	50.78	37.49	8.02	43.56
PK	9.15976G	51.59	74.00	-22.41	4.06	3	Vertical	215	2.82	47.53	38.40	8.54	42.88

902-928MHz_Z-Wave

916MHz_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	1.83203G	34.44	54.00	-19.56	-13.23	3	Horizontal	64	1.50	47.67	25.30	4.56	43.09
AV	2.748G	25.11	54.00	-28.89	-10.04	3	Horizontal	331	1.00	35.15	28.30	5.09	43.43
AV	4.58003G	30.40	54.00	-23.60	-6.22	3	Horizontal	95	1.00	36.62	31.76	6.18	44.16
AV	8.244G	40.72	54.00	-13.28	1.95	3	Horizontal	106	2.14	38.77	37.49	8.02	43.56
AV	9.16006G	39.46	54.00	-14.54	4.06	3	Horizontal	170	1.01	35.40	38.40	8.54	42.88
PK	1.83222G	39.16	74.00	-34.84	-13.23	3	Horizontal	64	1.50	52.39	25.30	4.56	43.09
PK	2.74775G	38.68	74.00	-35.32	-10.04	3	Horizontal	331	1.00	48.72	28.30	5.09	43.43
PK	4.57944G	42.07	74.00	-31.93	-6.22	3	Horizontal	95	1.00	48.29	31.76	6.18	44.16
PK	8.24376G	50.15	74.00	-23.85	1.95	3	Horizontal	106	2.14	48.20	37.49	8.02	43.56
PK	9.16966G	50.83	74.00	-23.17	4.08	3	Horizontal	170	1.01	46.75	38.40	8.55	42.87