

FCC TEST REPORT

FCC ID : QYL-5127MODMIN
Equipment : RFID Module
Brand Name : Getac
Model Name : 5127 Modular Mini
Applicant : Getac Technology Corporation.
5F., Building A, No. 209, Sec.1, Nangang
Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.
Standard : 47 CFR FCC Part 15.209

The product was received on May 26, 2020, and testing was started from May 28, 2020 and completed on May 29, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



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TEL : 886-3-327-3456
FAX : 886-3-327-0973
Report Template No.: HE1-C4 Ver3.1
FCC ID: QYL-5127MODMIN

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	15.209	Transmitter Radiated Emissions	PASS	-
3.3	15.215(c)	Emission Bandwidth	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: Sam Tsai

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information			
Modulation	Ch. Frequency (kHz)	Channel Number	Field Strength (dBuV/m)
OOK	125	1	70.37
Note 1: Field strength performed peak level at 1m.			

1.1.2 Antenna Information

Antenna Category	
☒	Integral antenna (antenna permanently attached)
☐	Temporary RF connector provided
☒	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.
☐	External antenna (dedicated antennas)
☐	Single power level with corresponding antenna(s).
☐	Multiple power level and corresponding antenna(s).

No.	Ant. Cat.	Ant. Type
1	Integral	Loop

1.1.3 Type of EUT

Operational Condition	
EUT Power Type	From AC Adapter / Battery
Type of EUT	
☐	Stand-alone
☒	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: HID / B360
☐	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

Operated Mode for Worst Duty Cycle	
☒	Operated normal mode for worst duty cycle
☐	Operated test mode for worst duty cycle
Test Signal Duty Cycle (x)	
☒	100.00%

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 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO01-HY	Edward	22.5~23.4°C / 59~63%	29/May/2020
RF Conducted	TH07-HY	Justin	19.6~24.1°C / 50~56%	28/May/2020
Radiated Emission	03CH03-HY	Jeff	23.5~25.2°C / 55~63%	28/May/2020

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
-	Tnom	20°C
-	Vnom	120V

2.2 The Worst Case Modulation Configuration

Transmitter Mode	Test Channel Frequencies(kHz)	Field Strength (dBuV/m@1m)	Field Strength (dBuV/m@3m)
RFID	125	70.37	51.29

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
Operating Mode	CTX
1	Adapter Mode

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emission Bandwidth, Field Strength of Fundamental Emissions Transmitter Radiated Unwanted Emissions		
Test Condition	Radiated measurement		
User Position	☐ EUT will be placed in fixed position.		
	☐ EUT will be placed in mobile position and operating multiple positions. EUT shall be performed three orthogonal planes.		
	☒ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions.		
Operating Mode	CTX		
1	Adapter Mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

2.4 Accessory

Accessories Information				
AC Adapter	Brand Name	Chicony	Model Name	A15-090P1A
	Power Rating	I/P: 100-240Vac, 1.2A, O/P: 19Vdc, 4.74A, 90W		
	AC Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		
	DC Power Cable	1.5 meter, non-shielded cable, with one ferrite core		
Battery	Brand Name	Getac	Model Name	BP3S1P2100S-02
	Power Rating	11.1Vdc, 2040mAh	Type	Li-ion

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

2.5 Support Equipment

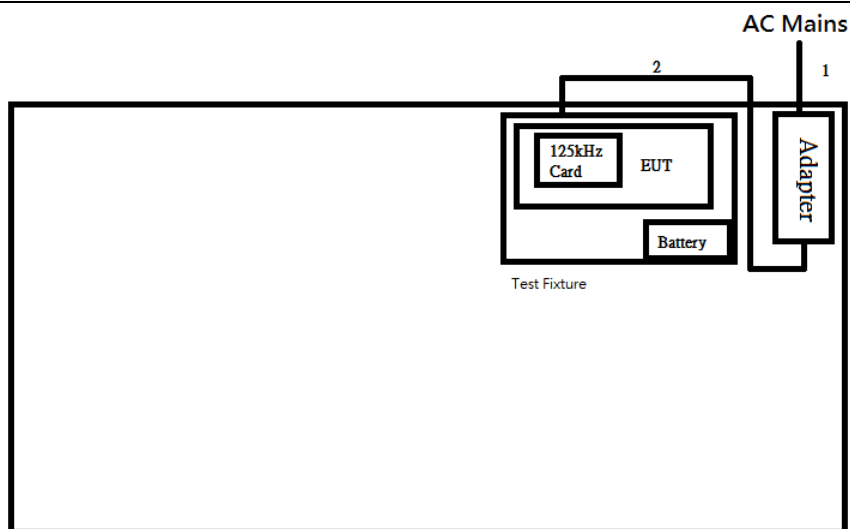
Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	125k Card	SPORTON	SPORTON	-

Support Equipment – Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	125k Card	SPORTON	SPORTON	-

Support Equipment – Radiated				
No.	Equipment	Brand Name	Model Name	FCC ID
1	125k Card	SPORTON	SPORTON	-

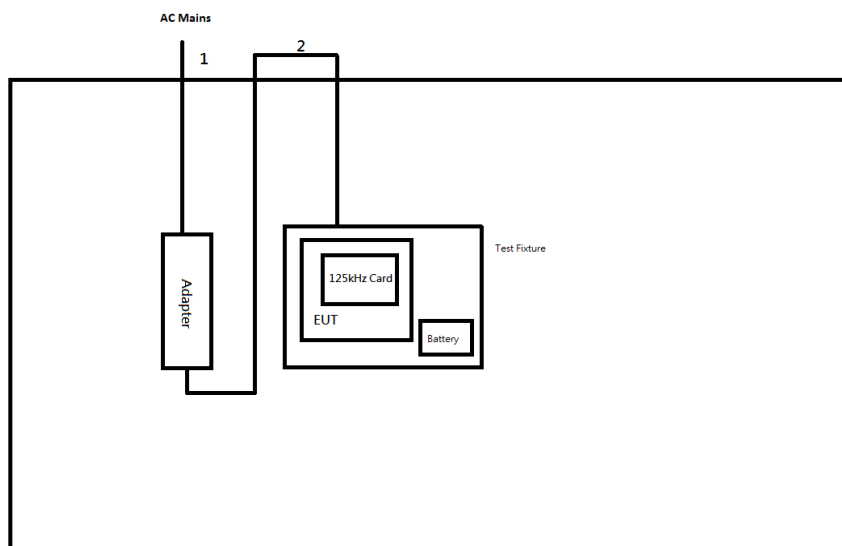
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.8
2	DC Power cable	No	1.5

Test Setup Diagram – Radiated Test



Item	Connection	Shielded	Length(m)
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 C63.10-2013, clause 6.2 for AC power-line conducted emissions.
☒	If AC conducted emissions fall in operating band, then following below test method confirm final result.
☐	Accept measurements done with a suitable dummy load replacing the antenna under the following conditions: (1) Perform the AC line conducted tests with the antenna connected to determine compliance with FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load to determine compliance with FCC 15.207 limits within the transmitter's fundamental emission band.
☒	For a device with a permanent antenna operating at or below 30 MHz, accept measurements done with a suitable dummy load, in lieu of the permanent antenna under the following conditions: (1) Perform the AC line conducted tests with the permanent antenna to determine compliance with the FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load in lieu of the permanent antenna to determine compliance with the FCC 15.207 limits within the transmitter's fundamental emission band.

3.2 Transmitter Radiated Emissions

3.2.1 Transmitter Radiated Emissions Limit

Transmitter Radiated 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: the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 1GHz measurements employing a CISPR quasi-peak detector.

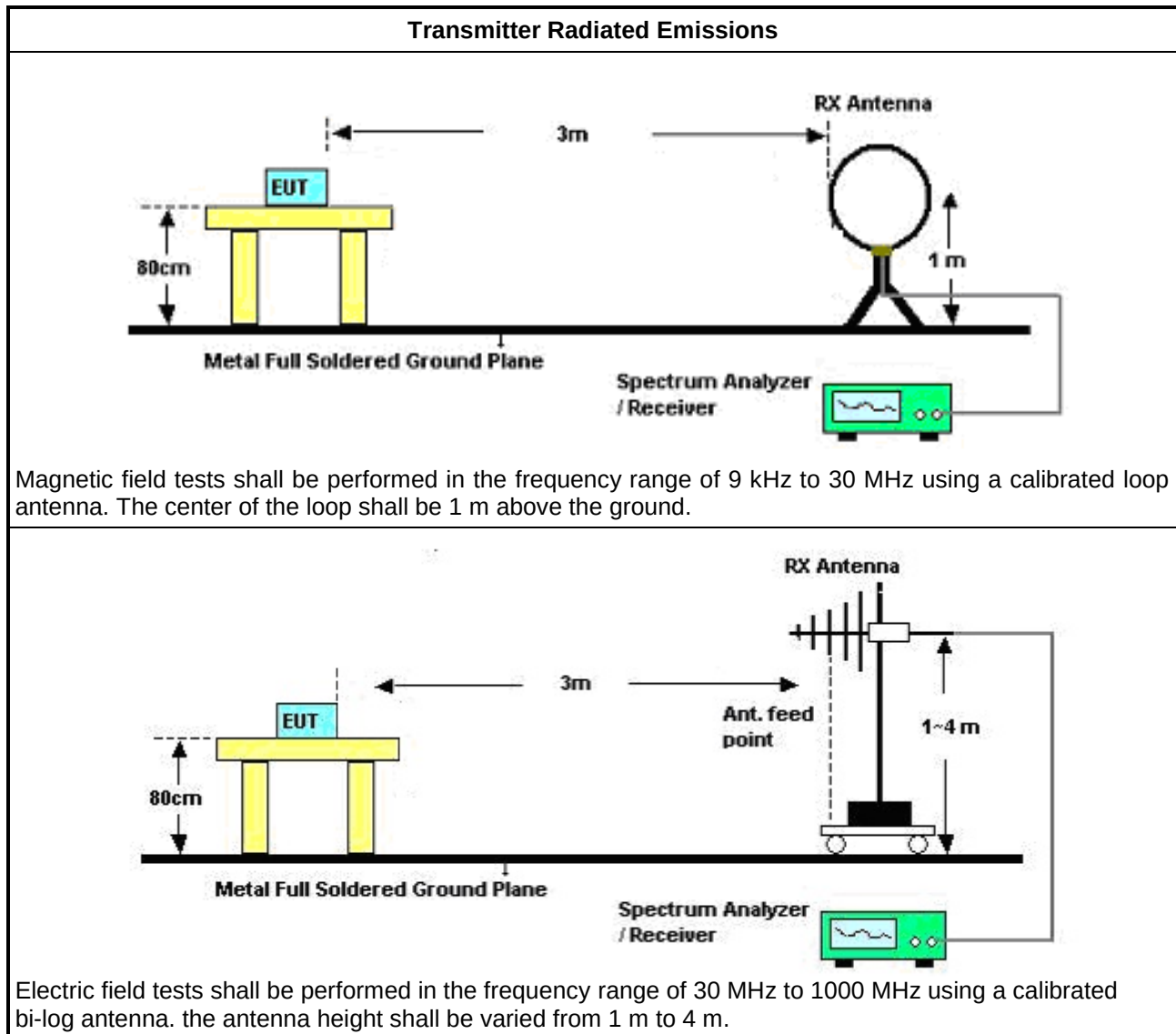
3.2.2 Measuring Instruments

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 6.5 for radiated emissions from 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz. The frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 30MHz measurements employing a CISPR quasi-peak detector. Test distance is 3m.
☒	At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the requirements; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be following below methods. Note: If fundamental emission level is smaller than noise at 3m, we will change distance to 1m.
☐	The results shall be extrapolated to the specified distance by making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor.
☒	The results shall be by using the square of an inverse linear distance extrapolation factor (40 dB/decade).
☒	For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.
☒	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.

3.2.4 Test Setup



3.2.5 Test Result of Transmitter Radiated Emissions

Refer as Appendix B

3.3 Emission Bandwidth

3.3.1 Emission Bandwidth Limit

Emission Bandwidth Limit
N/A

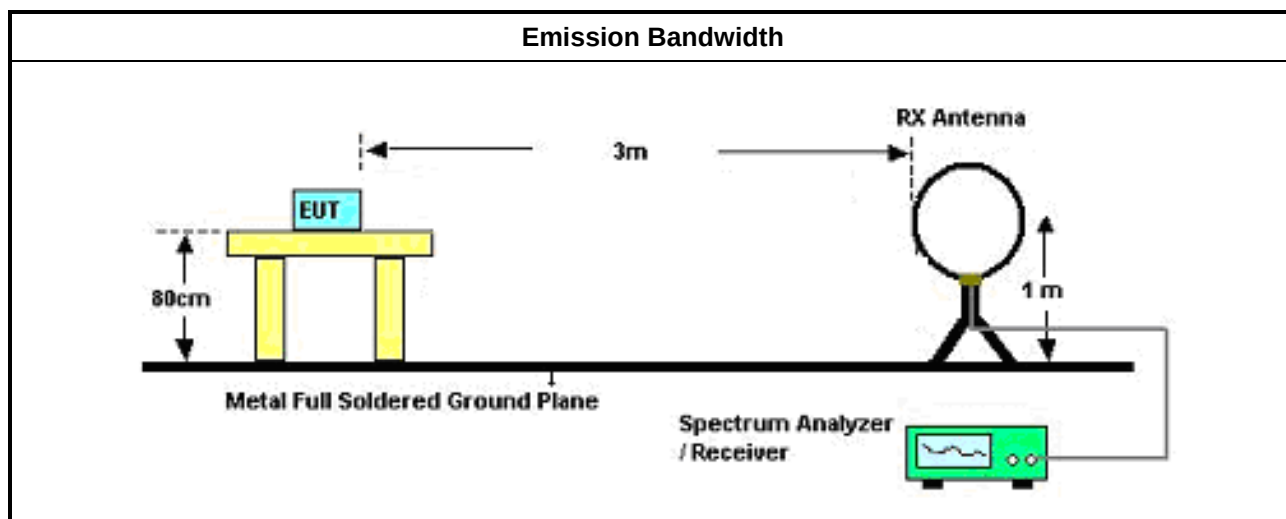
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
☒ Because the measured signal is CW or CW-like adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.
☒ For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.

3.3.4 Test Setup



3.3.5 Test Result of Emission Bandwidth

Refer as Appendix C

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2020	08/Apr/2021
LISN	R&S	ENV216	101274	9kHz ~ 30MHz	03/Jun/2019	02/Jun/2020
RF Cable-CON	MTJ	RG142	CB001-CO	9kHz ~ 1GHz	09/Sep/2019	08/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBEC K	VTSD 9561-F	9495	9 kHz ~ 30 MHz	24/Sep/2019	23/Sep/2020

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021

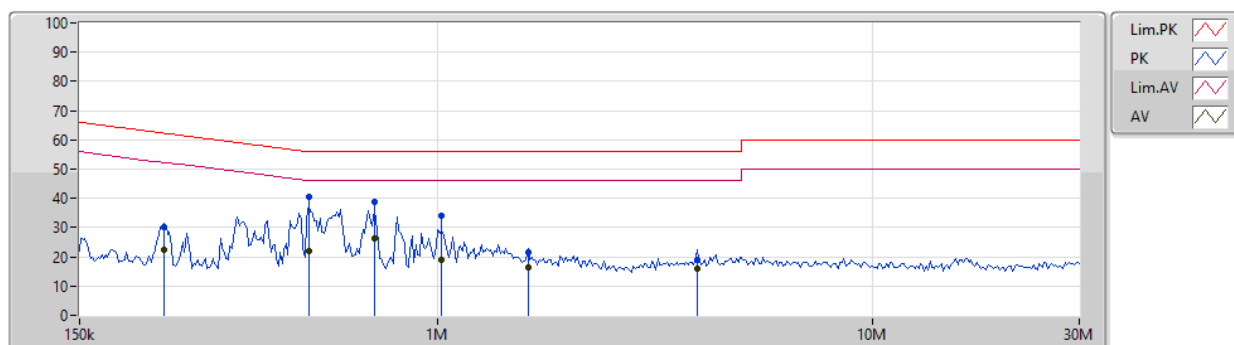
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Aug/2019	29/Aug/2020
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	14/Apr/2020	13/Apr/2021
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2020	08/Apr/2021
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30 MHz ~ 1 GHz	19/Apr/2020	18/Apr/2021
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	15/Aug/2019	14/Aug/2020
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	18/Mar/2020	17/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	16/Mar/2020	15/Mar/2021

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		

29/05/2020

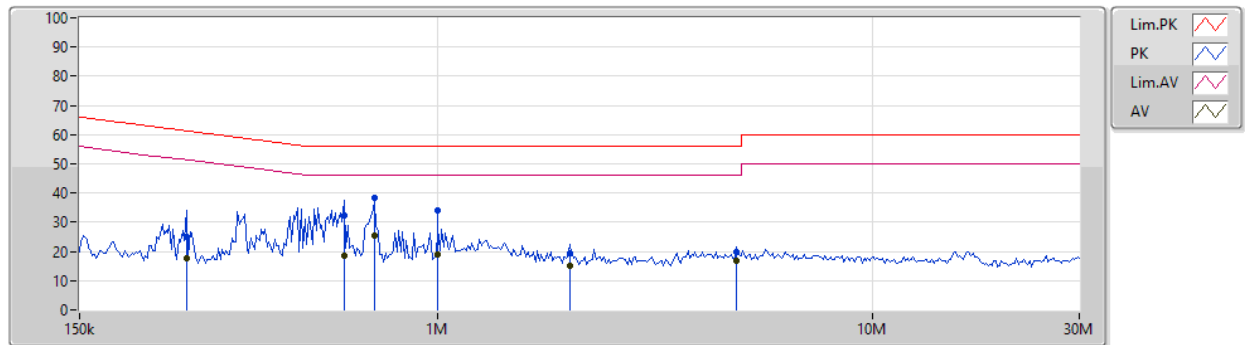


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	234.722k	30.34	62.27	-31.93	19.41	Neutral	-	10.93	9.61	0.04	9.76			
AV	234.722k	22.32	52.27	-29.95	19.41	Neutral	-	2.91	9.61	0.04	9.76			
QP	505.009k	40.60	56.00	-15.40	19.41	Neutral	"Worst"	21.19	9.60	0.05	9.76			
AV	505.009k	21.93	46.00	-24.07	19.41	Neutral	-	2.52	9.60	0.05	9.76			
QP	715.397k	38.79	56.00	-17.21	19.42	Neutral	-	19.37	9.61	0.06	9.75			
AV	715.397k	26.36	46.00	-19.64	19.42	Neutral	-	6.94	9.61	0.06	9.75			
QP	1.024M	33.97	56.00	-22.03	19.43	Neutral	-	14.54	9.61	0.07	9.75			
AV	1.024M	18.92	46.00	-27.08	19.43	Neutral	-	-0.51	9.61	0.07	9.75			
QP	1.618M	21.52	56.00	-34.48	19.46	Neutral	-	2.06	9.62	0.08	9.76			
AV	1.618M	16.53	46.00	-29.47	19.46	Neutral	-	-2.93	9.62	0.08	9.76			
QP	3.961M	19.03	56.00	-36.97	19.52	Neutral	-	-0.49	9.63	0.13	9.76			
AV	3.961M	15.99	46.00	-30.01	19.52	Neutral	-	-3.53	9.63	0.13	9.76			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter mode		

29/05/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	264.49k	25.19	61.30	-36.11	19.41	Line	-	5.78	9.61	0.04	9.76			
AV	264.49k	17.84	51.30	-33.46	19.41	Line	-	-1.57	9.61	0.04	9.76			
QP	610.106k	32.35	56.00	-23.65	19.42	Line	-	12.93	9.60	0.06	9.76			
AV	610.106k	18.72	46.00	-27.28	19.42	Line	-	-0.70	9.60	0.06	9.76			
QP	715.397k	38.19	56.00	-17.81	19.42	Line	"Worst"	18.77	9.61	0.06	9.75			
AV	715.397k	25.38	46.00	-20.62	19.42	Line	-	5.96	9.61	0.06	9.75			
QP	1.003M	34.10	56.00	-21.90	19.43	Line	-	14.67	9.61	0.07	9.75			
AV	1.003M	19.08	46.00	-26.92	19.43	Line	-	-0.35	9.61	0.07	9.75			
QP	2.014M	19.38	56.00	-36.62	19.47	Line	-	-0.09	9.62	0.09	9.76			
AV	2.014M	15.14	46.00	-30.86	19.47	Line	-	-4.33	9.62	0.09	9.76			
QP	4.882M	20.00	56.00	-36.00	19.55	Line	-	0.45	9.64	0.15	9.76			
AV	4.882M	16.91	46.00	-29.09	19.55	Line	-	-2.64	9.64	0.15	9.76			



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
	-	-	-	-	-	-	-	-	-	-	-	-
SRD	Pass	PK	2.657M	37.70	69.50	-31.80	20.07	3	Horizontal	360	1.00	-

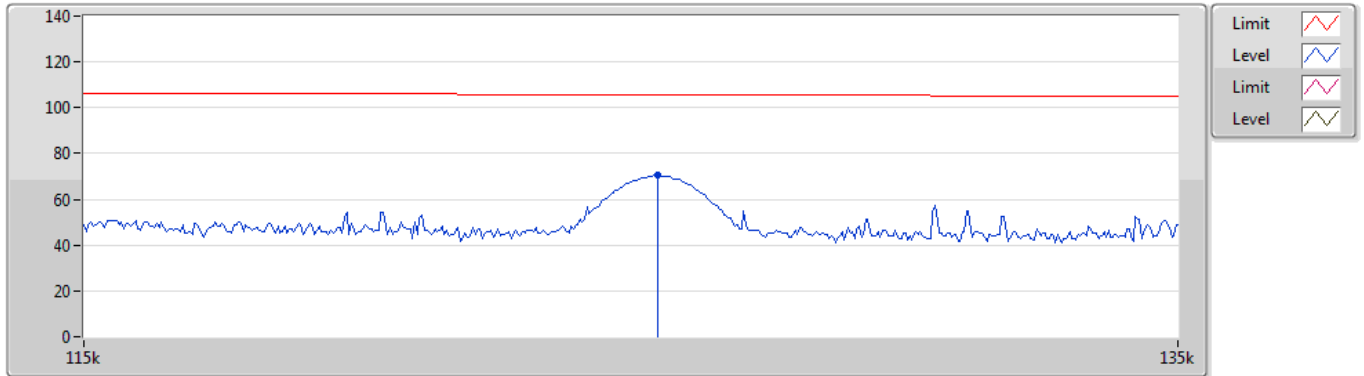
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD	-	-	-	-	-	-	-	-	-	-	-	-
0.125MHz_TX	Pass	PK	125.08k	70.37	105.65	-35.28	20.10	1	Horizontal	192	1.00	-
0.125MHz_TX	Pass	PK	49.608k	49.69	113.67	-63.98	21.27	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	66.246k	49.56	111.17	-61.61	20.75	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	90.216k	45.81	108.49	-62.68	20.18	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	2.657M	37.70	69.50	-31.80	20.07	3	Horizontal	360	1.00	-
0.125MHz_TX	Pass	PK	4.448M	34.90	69.50	-34.60	20.74	3	Horizontal	360	1.00	-
0.125MHz_TX	Pass	PK	6.777M	34.89	69.50	-34.61	21.61	3	Horizontal	360	1.00	-

SRD

28/05/2020

0.125MHz_TX

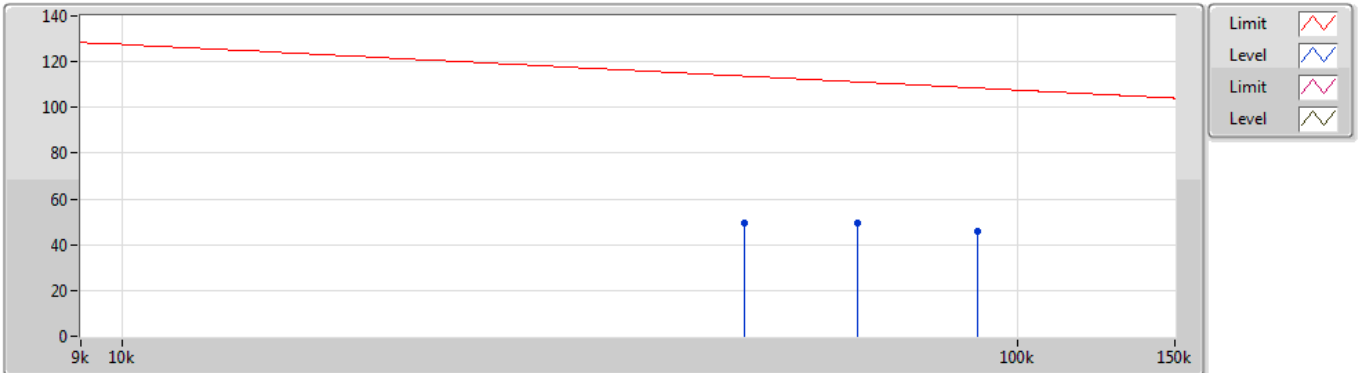


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	125.08k	70.37	105.65	-35.28	20.10	1	Horizontal	192	1.00	-	50.27	20.00	0.10	-

SRD

28/05/2020

0.125MHz_TX

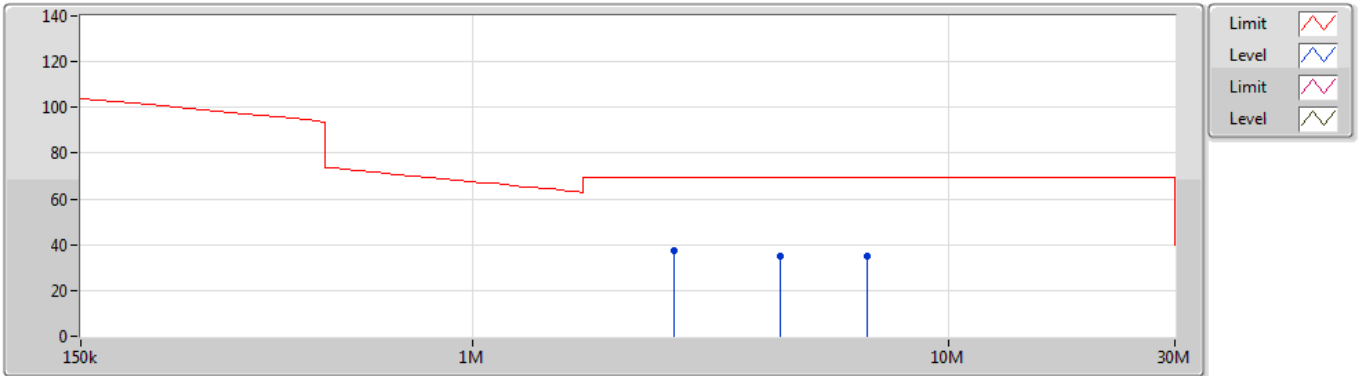


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	49.608k	49.69	113.67	-63.98	21.27	3	Horizontal	0	1.00	-	28.42	21.20	0.07	-
PK	66.246k	49.56	111.17	-61.61	20.75	3	Horizontal	0	1.00	-	28.81	20.67	0.08	-
PK	90.216k	45.81	108.49	-62.68	20.18	3	Horizontal	0	1.00	-	25.63	20.09	0.09	-

SRD

28/05/2020

0.125MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	2.657M	37.70	69.50	-31.80	20.07	3	Horizontal	360	1.00	-	17.63	19.87	0.20	-
PK	4.448M	34.90	69.50	-34.60	20.74	3	Horizontal	360	1.00	-	14.16	20.49	0.25	-
PK	6.777M	34.89	69.50	-34.61	21.61	3	Horizontal	360	1.00	-	13.28	21.27	0.34	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
	-	-	-	-	-	-	-	-	-	-	-	-
SRD	Pass	PK	408.3M	38.27	46.00	-7.73	-2.54	3	Vertical	360	1.00	-

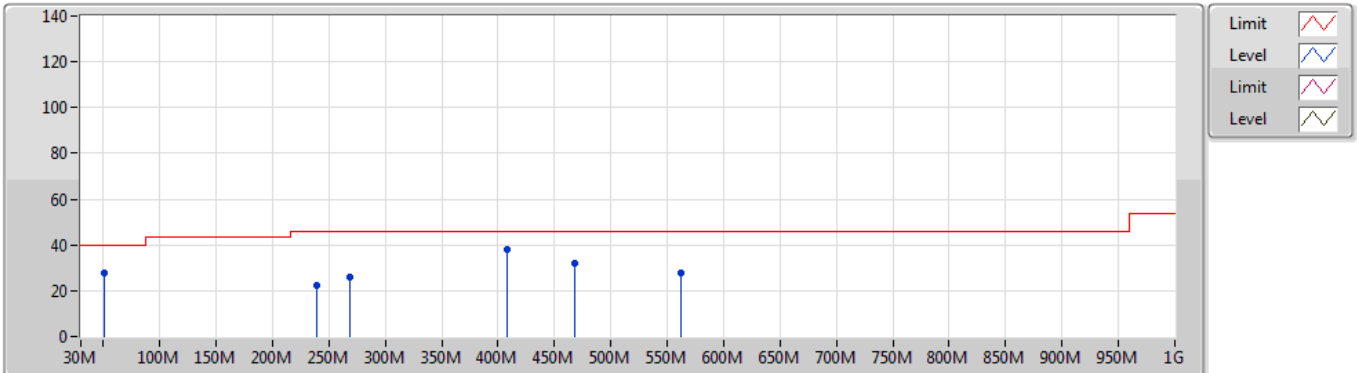
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD	-	-	-	-	-	-	-	-	-	-	-	-
0.125MHz_TX	Pass	PK	51.34M	27.46	40.00	-12.54	-13.73	3	Vertical	360	1.00	-
0.125MHz_TX	Pass	PK	239.52M	22.15	46.00	-23.85	-7.88	3	Vertical	360	1.00	-
0.125MHz_TX	Pass	PK	268.62M	25.79	46.00	-20.21	-5.93	3	Vertical	360	1.00	-
0.125MHz_TX	Pass	PK	408.3M	38.27	46.00	-7.73	-2.54	3	Vertical	360	1.00	-
0.125MHz_TX	Pass	PK	468.44M	31.73	46.00	-14.27	-1.83	3	Vertical	360	1.00	-
0.125MHz_TX	Pass	PK	561.56M	27.72	46.00	-18.28	-0.30	3	Vertical	360	1.00	-
0.125MHz_TX	Pass	PK	30M	24.00	40.00	-16.00	-3.35	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	109.54M	20.13	43.50	-23.37	-8.77	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	255.04M	24.02	46.00	-21.98	-5.79	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	390.84M	29.16	46.00	-16.84	-3.28	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	460.68M	27.35	46.00	-18.65	-2.03	3	Horizontal	0	1.00	-
0.125MHz_TX	Pass	PK	542.16M	27.61	46.00	-18.39	-0.21	3	Horizontal	0	1.00	-

SRD

28/05/2020

0.125MHz_TX

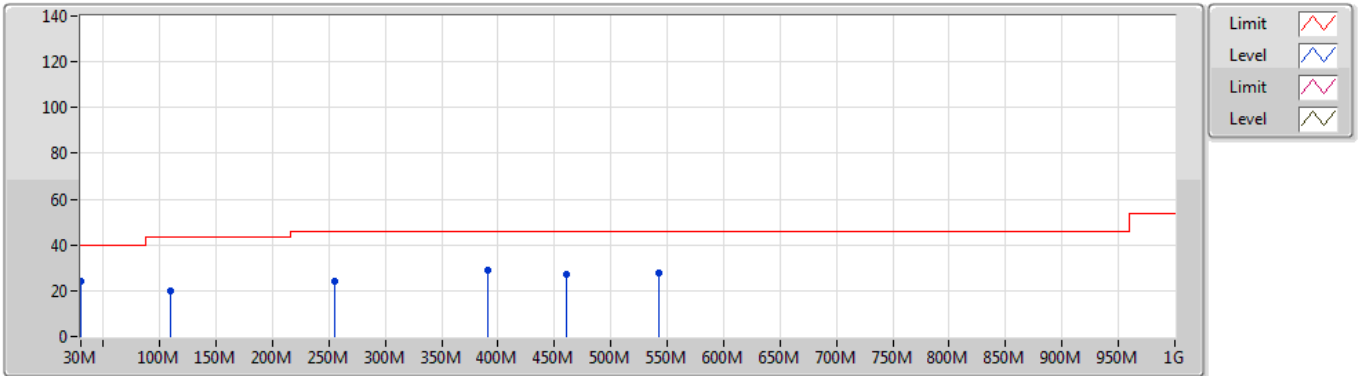


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	51.34M	27.46	40.00	-12.54	-13.73	3	Vertical	360	1.00	-	41.19	12.65	1.13	27.51
PK	239.52M	22.15	46.00	-23.85	-7.88	3	Vertical	360	1.00	-	30.03	16.33	2.54	26.75
PK	268.62M	25.79	46.00	-20.21	-5.93	3	Vertical	360	1.00	-	31.72	18.05	2.71	26.69
PK	408.3M	38.27	46.00	-7.73	-2.54	3	Vertical	360	1.00	-	40.81	21.46	3.32	27.32
PK	468.44M	31.73	46.00	-14.27	-1.83	3	Vertical	360	1.00	-	33.56	22.39	3.51	27.73
PK	561.56M	27.72	46.00	-18.28	-0.30	3	Vertical	360	1.00	-	28.02	23.77	3.95	28.02

SRD

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0.125MHz_TX



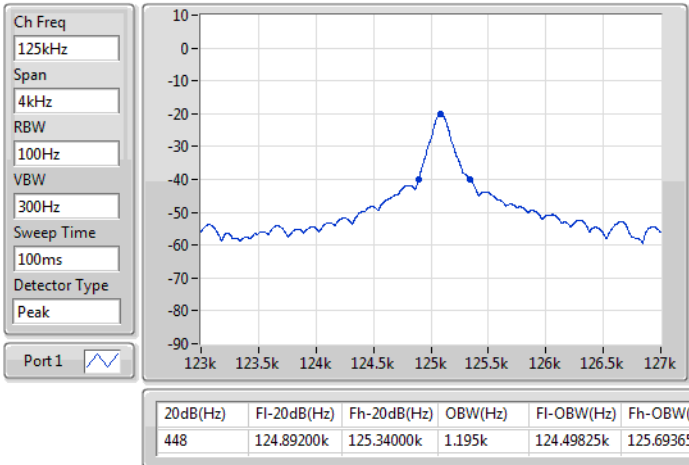
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	24.00	40.00	-16.00	-3.35	3	Horizontal	0	1.00	-	27.35	23.33	0.90	27.58
PK	109.54M	20.13	43.50	-23.37	-8.77	3	Horizontal	0	1.00	-	28.90	16.87	1.70	27.34
PK	255.04M	24.02	46.00	-21.98	-5.79	3	Horizontal	0	1.00	-	29.81	18.28	2.63	26.70
PK	390.84M	29.16	46.00	-16.84	-3.28	3	Horizontal	0	1.00	-	32.44	20.65	3.26	27.19
PK	460.68M	27.35	46.00	-18.65	-2.03	3	Horizontal	0	1.00	-	29.38	22.22	3.46	27.71
PK	542.16M	27.61	46.00	-18.39	-0.21	3	Horizontal	0	1.00	-	27.82	23.90	3.87	27.98

Result

Mode	Result	20dB (Hz)	FI-20dB (Hz)	Fh-20dB (Hz)	OBW (Hz)	FI-OBW (Hz)	Fh-OBW (Hz)	Limit (Range)
SRD	-	-	-	-	-	-	-	-
0.125MHz_TnomVnom	Pass	448	124.89200k	125.34000k	1.195k	124.49825k	125.69365k	-

SRD

0.125MHz_TnomVnom



EBW

28/05/2020

