

Report No.: SEWM2307000296RG01

Rev.: 01

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TEST REPORT

Application No.: SEWM2307000296RG
Applicant: SUZHOU EAVISION ROBOTIC TECHNOLOGIES CO.,LTD
Address of Applicant: Unit 1-A, No.3 Workshop, 28 Xiasheng Road, SIP, Suzhou, China
Manufacturer: SUZHOU EAVISION ROBOTIC TECHNOLOGIES CO.,LTD
Address of Manufacturer: Unit 1-A, No.3 Workshop, 28 Xiasheng Road, SIP, Suzhou, China
Factory: SUZHOU EAVISION ROBOTIC TECHNOLOGIES CO., LTD
Address of Factory: Unit 1-A, No.3 Workshop, 28 Xiasheng Road, SIP, Suzhou, China
EUT Description: EA-20XEP Agricultural Spraying Drone
Model No.: EA-20XEP, 3WWDZ-20D
Trade Mark: EAVISION
FCC ID: 2AXLB-EA20XEP
Standards: FCC 47 CFR Part 15, Subpart C 15.249
Date of Receipt: 2023/07/31
Date of Test: 2023/08/02 to 2023/09/06
Date of Issue: 2023/09/06

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:

Well Wei

Well Wei
Wireless Laboratory Manager



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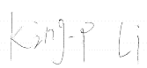
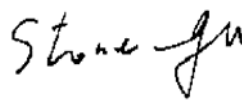
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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023/09/06		Original

Prepared By	 _____ (King-p Li) / Test Engineer
Checked By	 _____ (Stone Gu) / Reviewer



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2 Test Summary

Test Item	FCC Rule No.	Test Method	Test Result	Result
Antenna Requirement	15.203	--	Clause 4.1	PASS
20dB Emission bandwidth	15.215 (c)	ANSI C63.10-2013 Section 6.9	Clause 4.2	For Report Purpose
Filed strength of fundamental & Radiation Spurious Emission	15.249(a), 15.209	ANSI C63.10-2013 Section 6.6	Clause 4.3	PASS
Radiated Emissions which fall in the restricted bands	15.205, 15.209	ANSI C63.10-2013 Section 6.10	Clause 4.4	PASS

Remark: There are series models mentioned in this report and they are the similar in electrical and electronic characters. Only the model EA-20XEP was tested since their differences were Model number, Trade name and Apperance.



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3 General Information

3.1 Details of Client

Applicant:	SUZHOU EAVISION ROBOTIC TECHNOLOGIES CO.,LTD
Address of Applicant:	Unit 1-A,No.3 Workshop,28 Xiasheng Road,SIP,Suzhou,China
Manufacturer:	SUZHOU EAVISION ROBOTIC TECHNOLOGIES CO.,LTD
Address of Manufacturer:	Unit 1-A,No.3 Workshop,28 Xiasheng Road,SIP,Suzhou,China

3.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	King-p Li

3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

• **Innovation, Science and Economic Development Canada**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

• **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327



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3.4 General Description of EUT

EUT Description:	EA-20XEP Agricultural Spraying Drone
Model No.:	EA-20XEP, 3WWDZ-20D
Trade Mark:	EAVISION
Power Supply:	DC 48.75V by Battery Battery model:JM1-20000mAh-48.75V Max Charge Voltage:56.55V Nominal Voltage:48.75V Rated Capacity:20000mAh,975Wh
Frequency Range:	Obstacle avoidance radar :24GHz-24.25GHz Terrain following radar: 24GHz-24.25GHz
Modulation Type:	Obstacle avoidance radar: FMCW Terrain following radar: FMCW
Antenna Type:	Obstacle avoidance radar: PCB Antenna Terrain following radar: PCB Antenna
Remark:	As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

3.5 Test Environment

Environment Parameter	101.0 kPa Selected Values During Tests	
Relative Humidity	44-46 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22~23	48.75 (Battery)
Remark:	NV: Normal Voltage NT: Normal Temperature	

3.6 Description of Support Units

The EUT has been tested as an independent unit.



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4 Test results and Measurement Data

4.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
The antenna is PCB Antenna and no consideration of replacement.	
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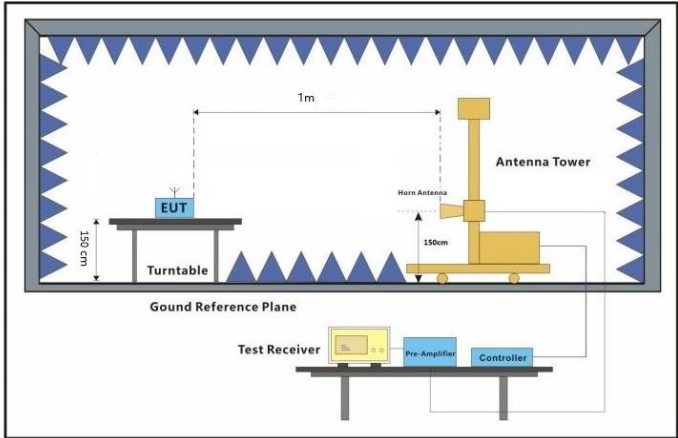
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4.2 20dB Emission Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.215(c)
Test Method:	ANSI C63.10-2013 Section 6.9
Test Setup:	
Instruments Used:	Refer to section 6 for details
Test Procedure:	<ol style="list-style-type: none"> 1. Place the EUT on the table and set it in the transmitting mode. 2. SA set RBW=1%~5%OBW, VBW=RBW and Detector=Peak. 3. Measure and record the result of 20dB bandwidth.
Test Mode:	TX mode _ Keep the EUT in continuously transmitting mode.
Limit:	No restriction limits
Test Results:	For Report Purpose
The detailed test data see: Appendix	

4.3 Filed Strength of Fundamental and Radiation Spurious Emission

Test Requirement:	47 CFR Part 15C Section 15.249(a), 15.209			
Test Method:	ANSI C63.10-2013 Section 6.6			
Limit:	FCC according to §15.249(a).			
	(1)The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:			
	Fundamental frequency (MHz)	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)	
	2400-2483.5	50	500	
	5725-5875	50	500	
	24000-24250	250	2500	
	*Field strength limits are specified at a distance of 3 meters.			
	Fundamental Limit Conversion			
	Average (mV/m) at 3M	Average (dBuV/m) at 3M	Average (dBuV/m) at 1M	Peak (dBuV/m) at 1M
	250	107.9588	117.50	137.50
	* (Limit = 107.9588 + 20LOG(3/1) = 117.50 dBuV/m)			
	Harmonic Limit Conversion			
	Average (uV/m) at 3M	Average (dBuV/m) at 3M	Average (dBuV/m) at 1M	Peak (dBuV/m) at 1M
2500	67.9588	77.50	97.50	
*(Limit=67.9588+20LOG(3/1)=77.50 dBuV/m)				
(2) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits (follow the table), whichever is the lesser attenuation.				
Below 30MHz:				
Frequency	Field Strength (µA/m)	Magnetic field strength (H-Field) (µA/m)	Measurement Distance (metres)	
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300	
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30	
1.705-30 MHz	30	N/A	30	
Above 30MHz:				
Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)			

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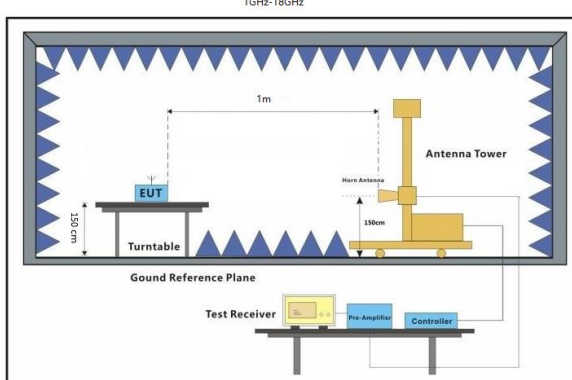
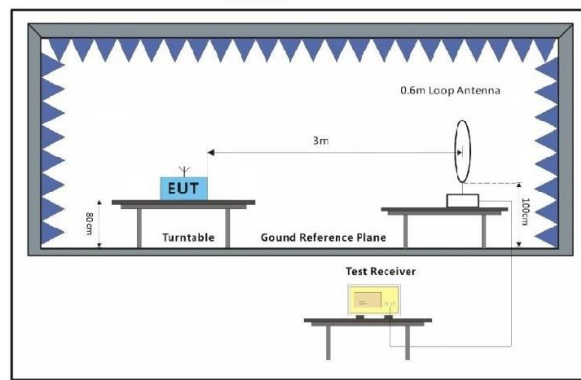
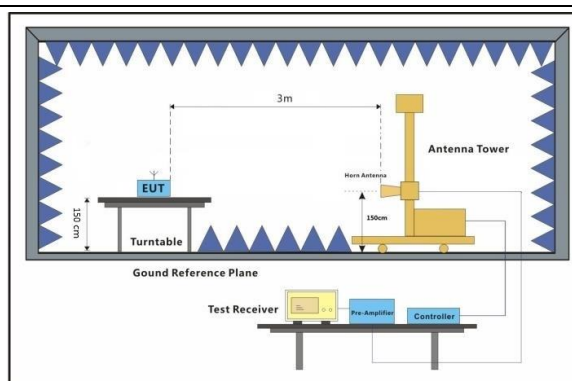
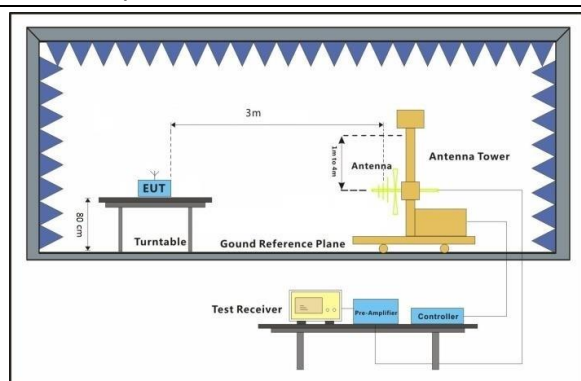
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	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Frequency (MHz)	Field Strength microvolts/m at specific distance	
	Peak	AVG
18-40GHz	83.54dBuV/m@1m	63.54dBuV/m@1m
Above 40GHz	100.00dBuV/m @0.15m	80.00dBuV/m @0.15m

Test Setup:

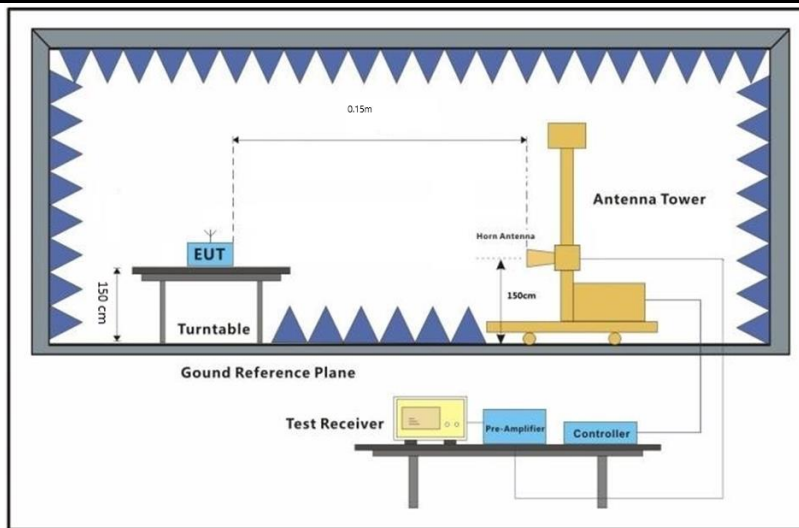


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Above 40GHz

Instruments Used:

Refer to section 6 for details

Test Procedure:

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For 1-18GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For 18-40GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 1 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 40GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 0.15 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to the same height (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.



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	<p>Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor</p> <p>Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.</p> <p>Remark3: The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported</p>
Final Test Mode:	TX mode _ Keep the EUT in continuously transmitting mode.
Test Results:	Pass
The detailed test data see: Appendix	



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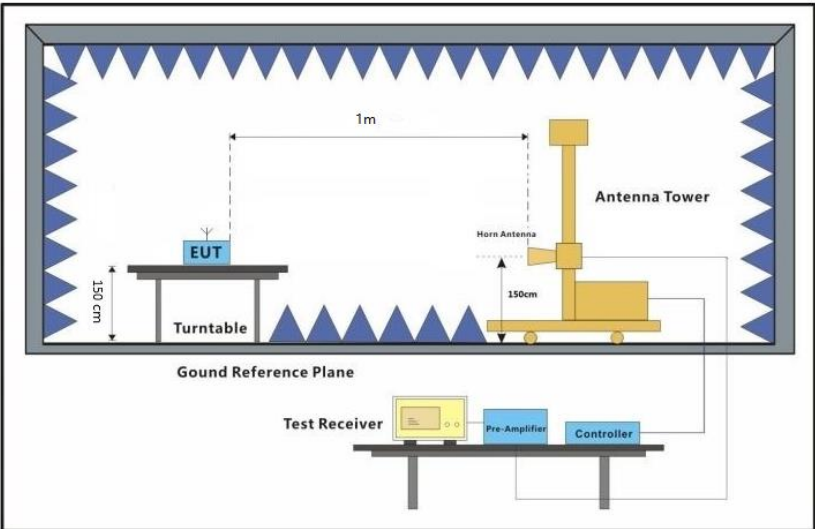
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4.4 Radiated Emissions which fall in the restricted bands

Test Requirement:	47 CFR Part 15C Section 15.205, 15.209		
Test Method:	ANSI C63.10-2013 Section 6.10		
Limit:	Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100	3
	88-216	150	3
	216-960	200	3
	Above 960	500	3
	Remark: The emission limits shown in the above table are used on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. Remark: For measurement distance 1m, the filed strength doesn't exceed 83.54 dBuV/m		
Test Setup:			
			
Instruments Used:	Refer to section 6 for details		
Test Procedure:	a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 1 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.		

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	<p>b. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>d. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>e. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>f. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</p> <p>g. Repeat above procedures until all frequencies measured was complete.</p> <p>Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor</p> <p>Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.</p>
Final Test Mode:	TX mode _ Keep the EUT in continuously transmitting mode.
Test Results:	Pass
The detailed test data see: Appendix	



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5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Occupied Bandwidth	$\pm 1.0\%$
2	Conduction Emission	$\pm 2.90\text{dB}$ (150kHz to 30MHz)
3	Radiated Emission	$\pm 3.13\text{dB}$ (9k -30MHz)
		$\pm 4.80\text{dB}$ (30M -1GHz)
		$\pm 4.80\text{dB}$ (1GHz to 18GHz)
		$\pm 4.80\text{dB}$ (Above 18GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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6 Equipment List

RSE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date (yyyy/mm/dd)	Cal Due Date (yyyy/mm/dd)
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2021/05/08	2024/05/07
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2023/02/07	2024/02/06
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2023/05/11	2024/05/10
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-05	2022/11/23	2023/11/22
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2023/02/08	2024/02/07
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9163	SUWI-01-11-01	2023/05/13	2024/05/12
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2023/05/13	2024/05/12
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2023/05/12	2024/05/11
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2023/02/06	2024/02/05
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2023/02/06	2024/02/05
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2023/02/06	2024/02/05
Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2023/05/13	2024/05/12
Open Switch and Control Unit	ROHDE&SCHWARZ	OSP220	SUWI-03-15-01	NCR	NCR
Receive Unit	ROHDE&SCHWARZ	TC-RSE60	SUWI-03-16-02	2023/05/11	2024/05/10
Receive Unit	ROHDE&SCHWARZ	TC-RSE90	SUWI-03-16-03	2023/05/11	2024/05/10
Receive Unit	ROHDE&SCHWARZ	TC-RSE140	SUWI-03-19-01	2023/05/11	2024/05/10
Measurement Software	ROHDE&SCHWARZ	ELEKTRA V4.20.1	SUWI-02-09-07	NCR	NCR
Measurement Software	Tonscend	JS32-RE V4.0.0.0	SUWI-02-09-04	NCR	NCR



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7 Photographs - Setup Photos

Refer to Appendix A.1 Radar Setup Photos.



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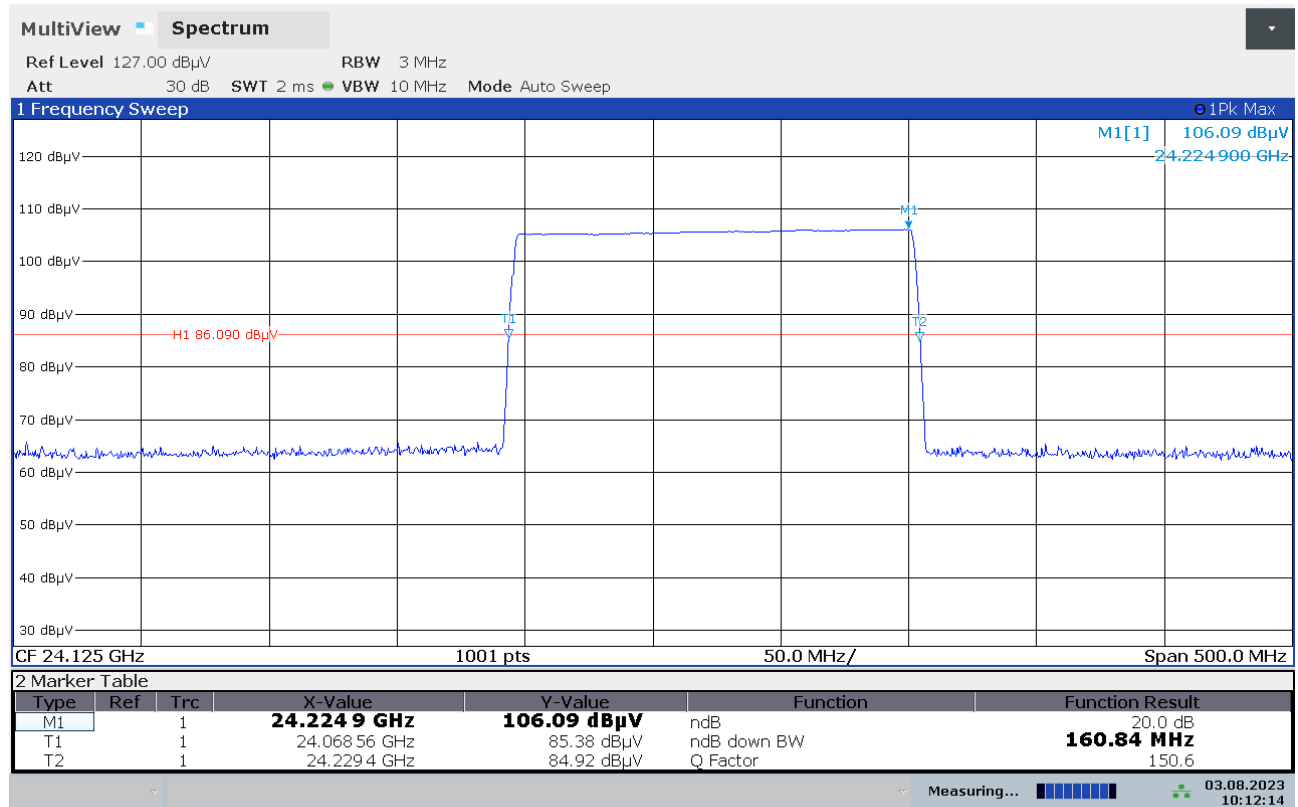
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20dB Emission Bandwidth

Terrain following radar

Horizontal



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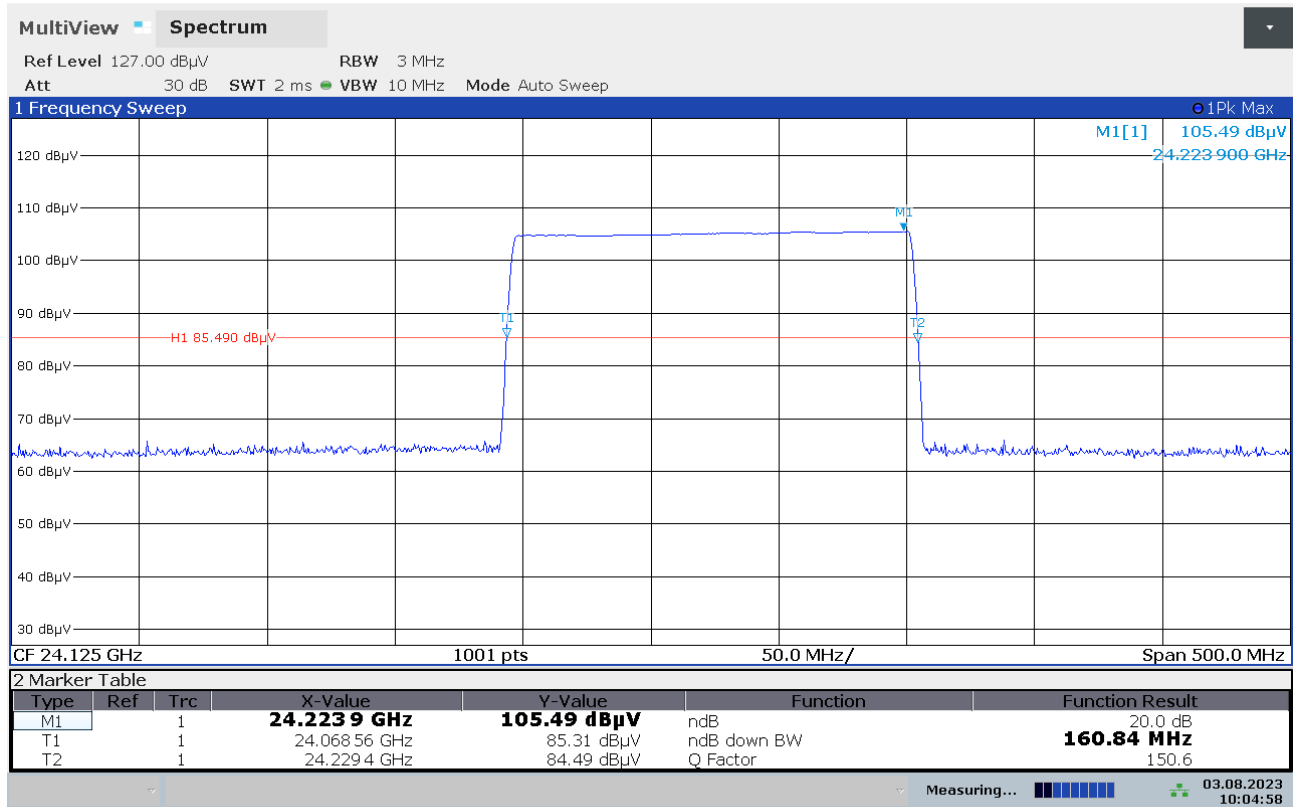
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Vertical



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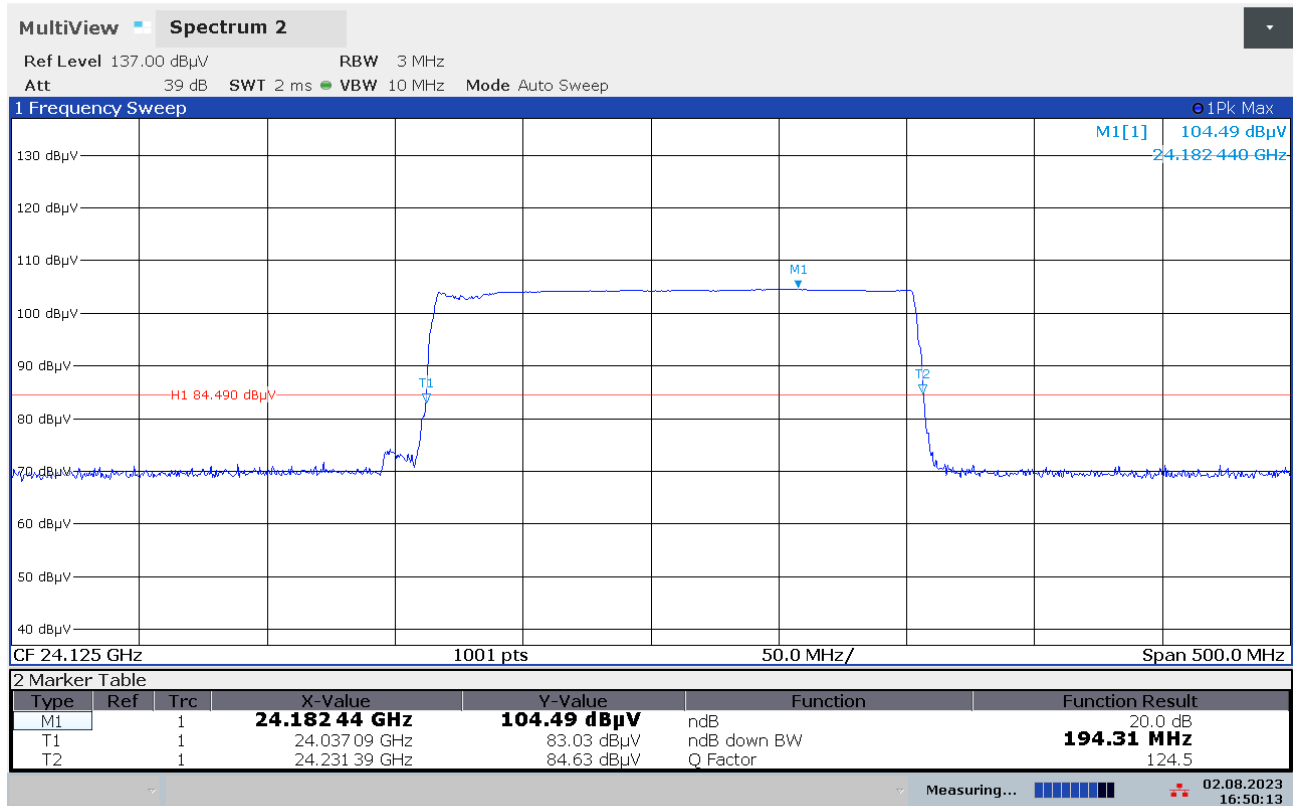
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Obstacle avoidance radar

Horizontal



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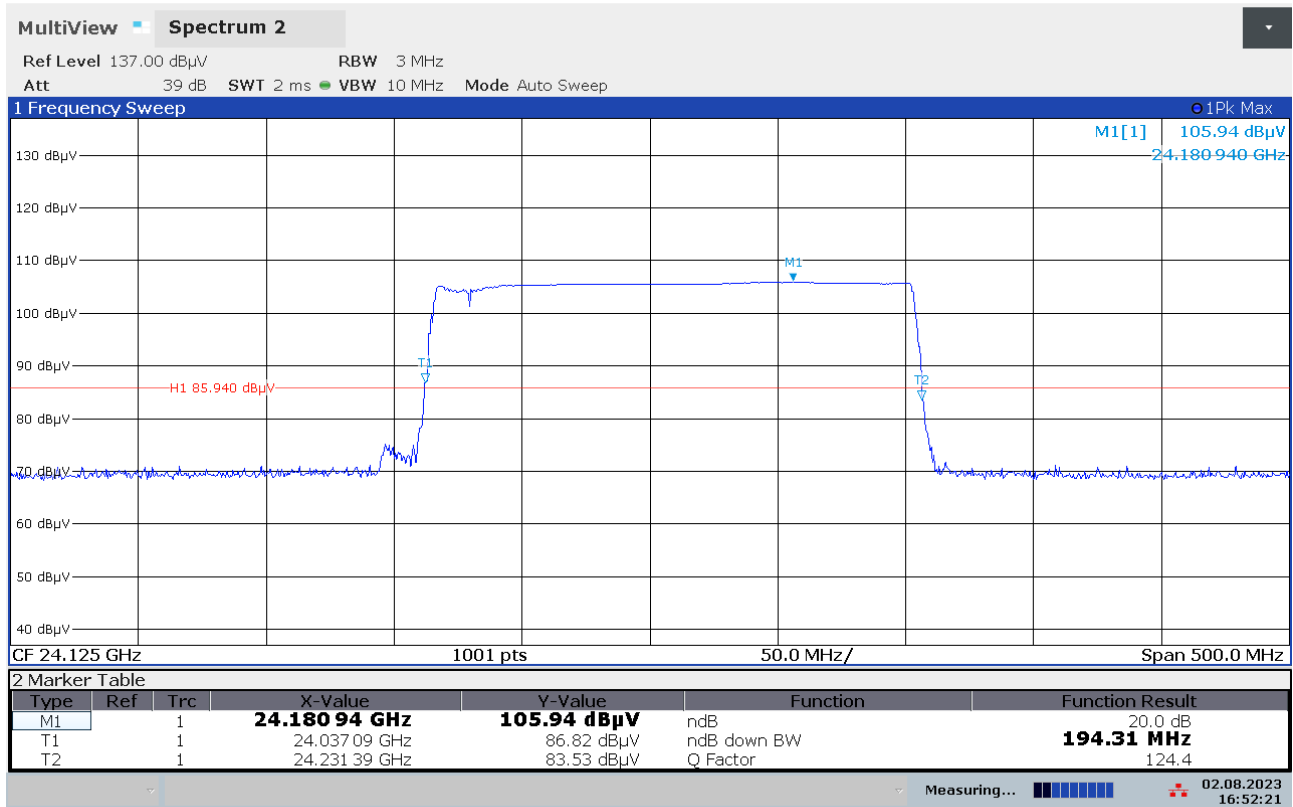
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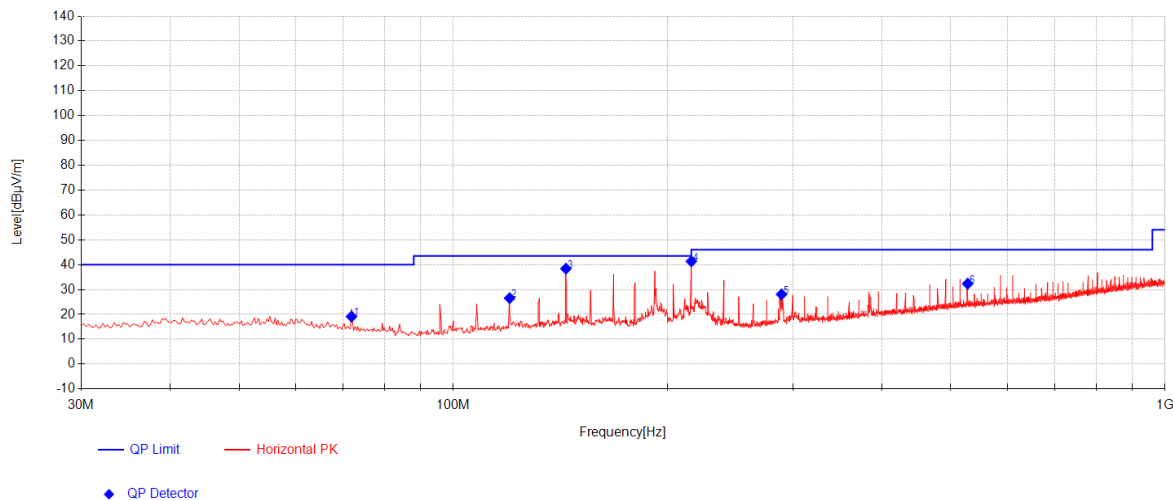
Rev.: 01

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Radiation Spurious Emission

Terrain following radar

30M-1G



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	71.9525	36.10	16.73	-33.72	19.11	40.00	20.89	152	340	Horizontal
2	119.9675	42.55	17.30	-33.34	26.51	43.50	16.99	263	180	Horizontal
3	143.975	53.07	18.54	-33.22	38.39	43.50	5.11	187	308	Horizontal
4	215.9975	57.83	16.08	-32.59	41.32	43.50	2.18	246	53	Horizontal
5	289.2325	42.14	18.18	-32.25	28.06	46.00	17.94	155	43	Horizontal
6	528.095	39.34	23.91	-30.90	32.35	46.00	13.65	241	255	Horizontal



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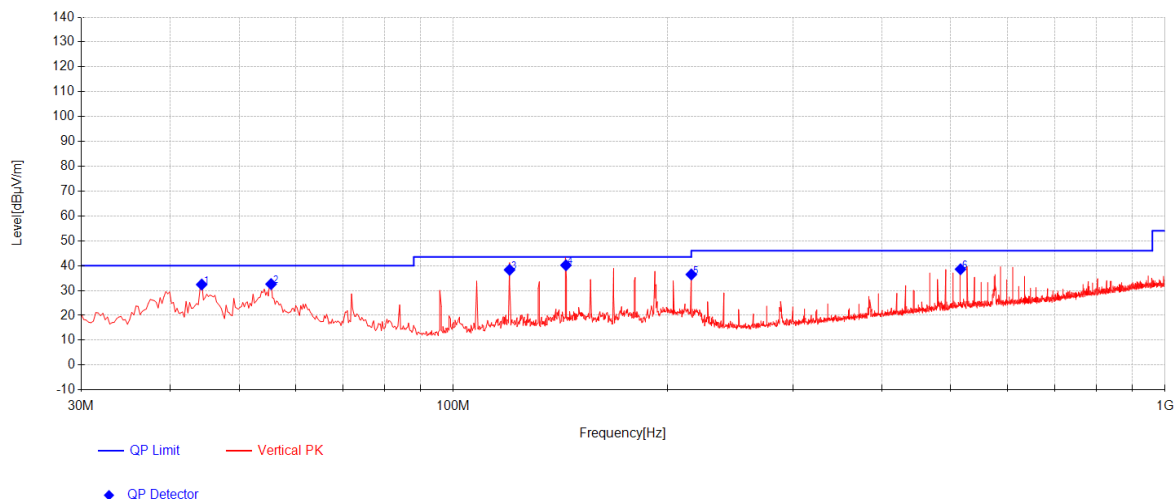
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Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.3075	46.91	19.48	-33.99	32.41	40.00	7.59	155	309	Vertical
2	55.4625	47.52	18.98	-33.91	32.59	40.00	7.41	241	353	Vertical
3	119.9675	54.36	17.30	-33.34	38.32	43.50	5.18	187	356	Vertical
4	143.975	54.85	18.54	-33.22	40.17	43.50	3.33	264	22	Vertical
5	215.9975	52.96	16.08	-32.59	36.45	43.50	7.05	196	87	Vertical
6	515.97	45.83	23.69	-30.95	38.56	46.00	7.44	254	340	Vertical



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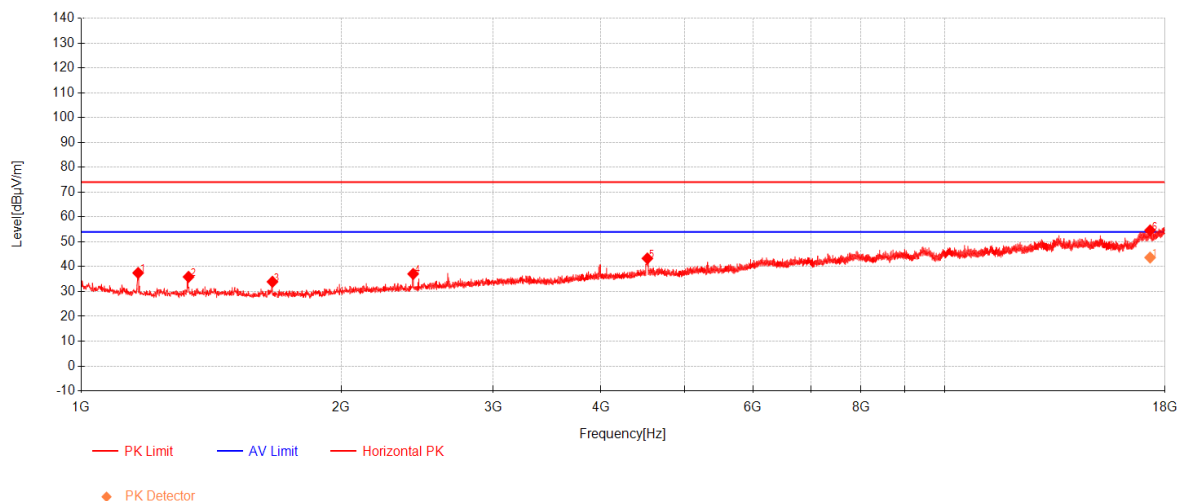
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1G-18G



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.05	61.10	25.24	37.47	-48.87	74.00	36.53	214	114	Horizontal
2	1331.5	59.54	25.13	35.89	-48.78	74.00	38.11	182	44	Horizontal
3	1665.55	57.66	24.60	33.92	-48.34	74.00	40.08	169	216	Horizontal
4	2423.75	57.24	27.23	37.08	-47.39	74.00	36.92	155	114	Horizontal
5	4526.65	55.92	32.16	43.31	-44.77	74.00	30.69	136	357	Horizontal
6	17297.9	45.60	39.61	54.61	-30.60	74.00	19.39	187	215	Horizontal
NO.	Frequency [MHz]	AV Reading [dBμV]	AF [dB/m]	AV Level [dBμV/m]	Factor [dB]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
6	17297.9	34.65	39.61	43.66	-30.60	54.00	10.34	187	215	Horizontal



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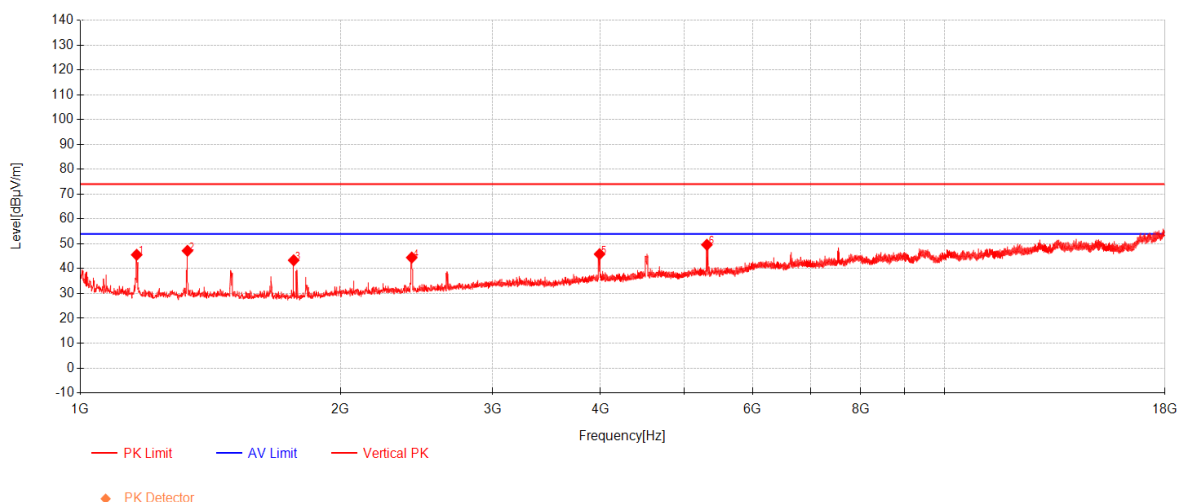
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.35	69.22	25.24	45.59	-48.86	74.00	28.41	155	40	Vertical
2	1330.65	70.84	25.13	47.19	-48.79	74.00	26.81	144	360	Vertical
3	1765.85	67.09	24.60	43.38	-48.31	74.00	30.62	124	115	Vertical
4	2418.65	64.67	27.22	44.46	-47.43	74.00	29.54	214	144	Vertical
5	3990.3	60.10	31.27	45.86	-45.50	74.00	28.14	142	359	Vertical
6	5311.2	60.63	33.14	49.61	-44.15	74.00	24.39	183	2	Vertical



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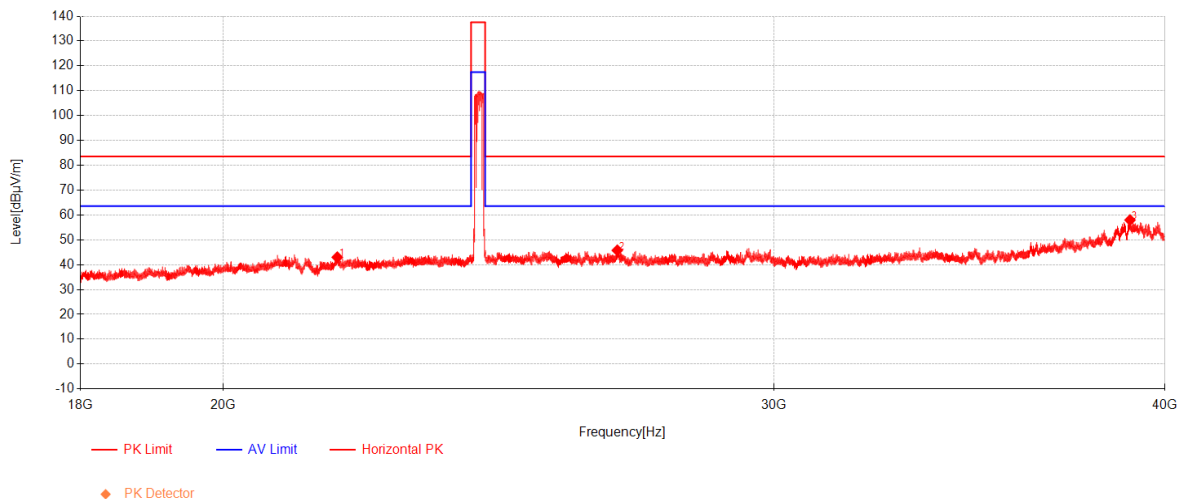
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18G-40G



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	21749.5	39.99	37.90	-34.91	42.98	83.54	40.56	153	270	Horizontal
2	26728	41.39	39.36	-34.99	45.76	83.54	37.78	184	250	Horizontal
3	38983.3333	47.45	43.19	-32.68	57.96	83.54	25.58	269	160	Horizontal



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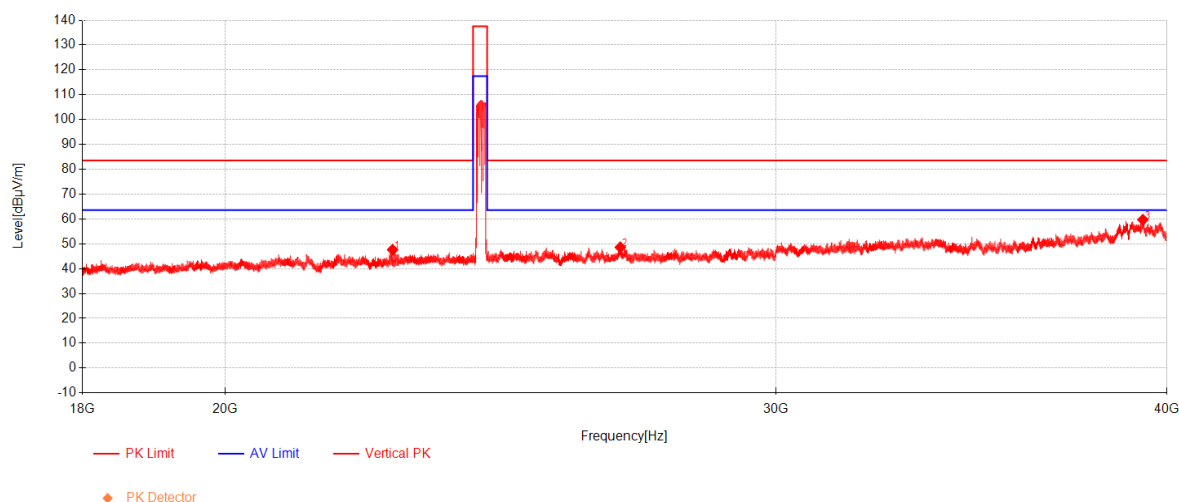
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	22620	45.51	38.10	-35.99	47.61	83.54	35.93	144	270	Vertical
2	26747.5	43.50	39.40	-34.31	48.59	83.54	34.95	287	240	Vertical
3	39297.5	48.92	43.04	-32.28	59.68	83.54	23.86	156	40	Vertical



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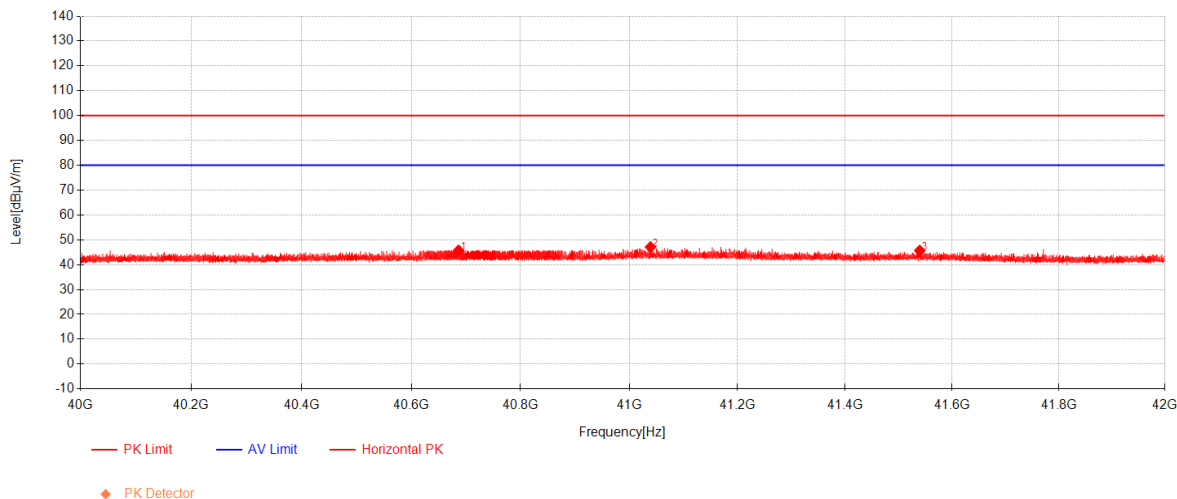
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40G-42G



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40686.5	37.75	43.71	-35.72	45.74	100.00	54.26	156	310	Horizontal
2	41039.1667	38.91	43.87	-35.69	47.09	100.00	52.91	281	350	Horizontal
3	41539.3333	37.22	44.09	-35.64	45.67	100.00	54.33	144	230	Horizontal



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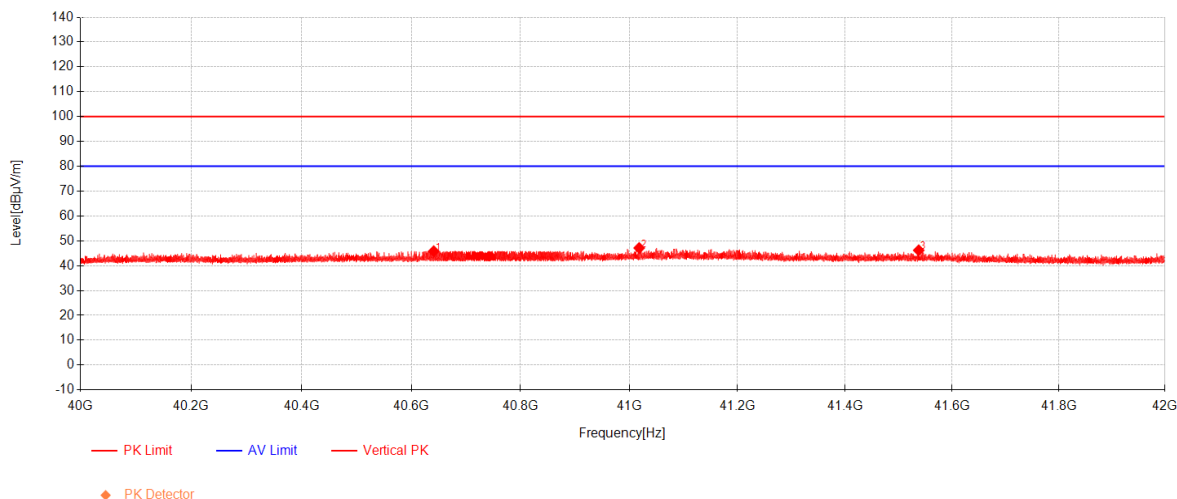
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1	40641.0833	37.83	43.69	-35.72	45.80	100.00	54.20	225	90	Vertical
2	41018.3333	38.93	43.86	-35.69	47.10	100.00	52.90	146	220	Vertical
3	41537.3333	37.73	44.09	-35.64	46.18	100.00	53.82	169	60	Vertical



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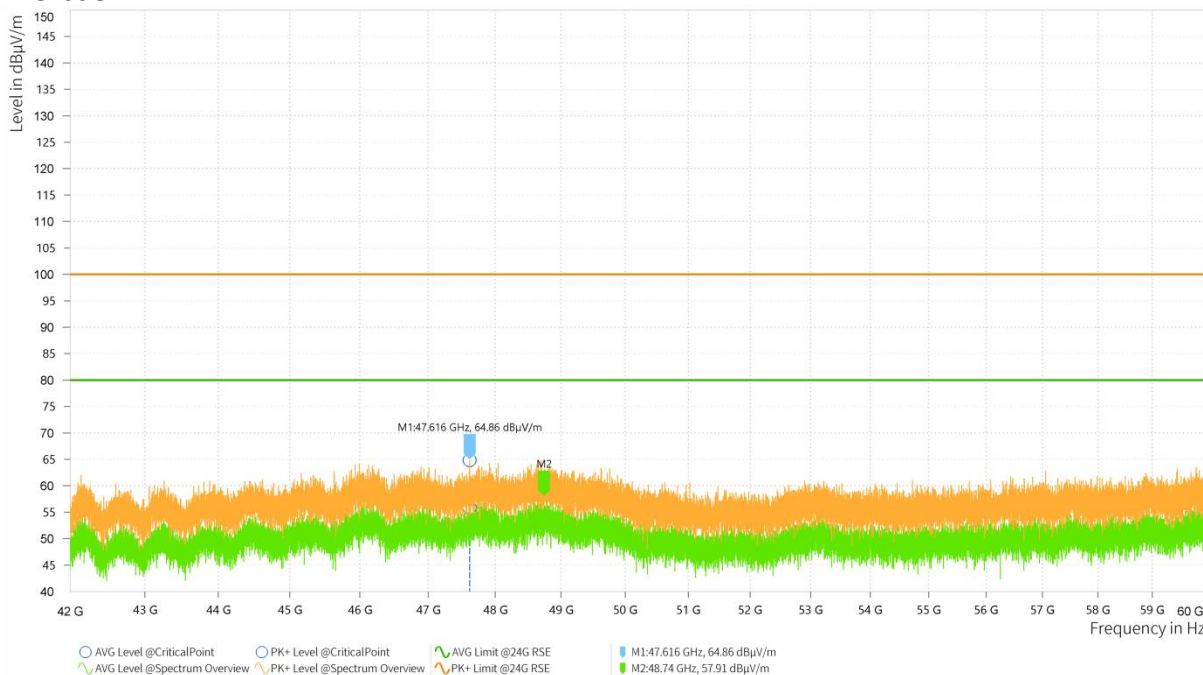
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Harmonic

42G-60G



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	47,616.000	64.86	100.00	35.14	55.85	80.00	24.15	56.91	H	0	1.5



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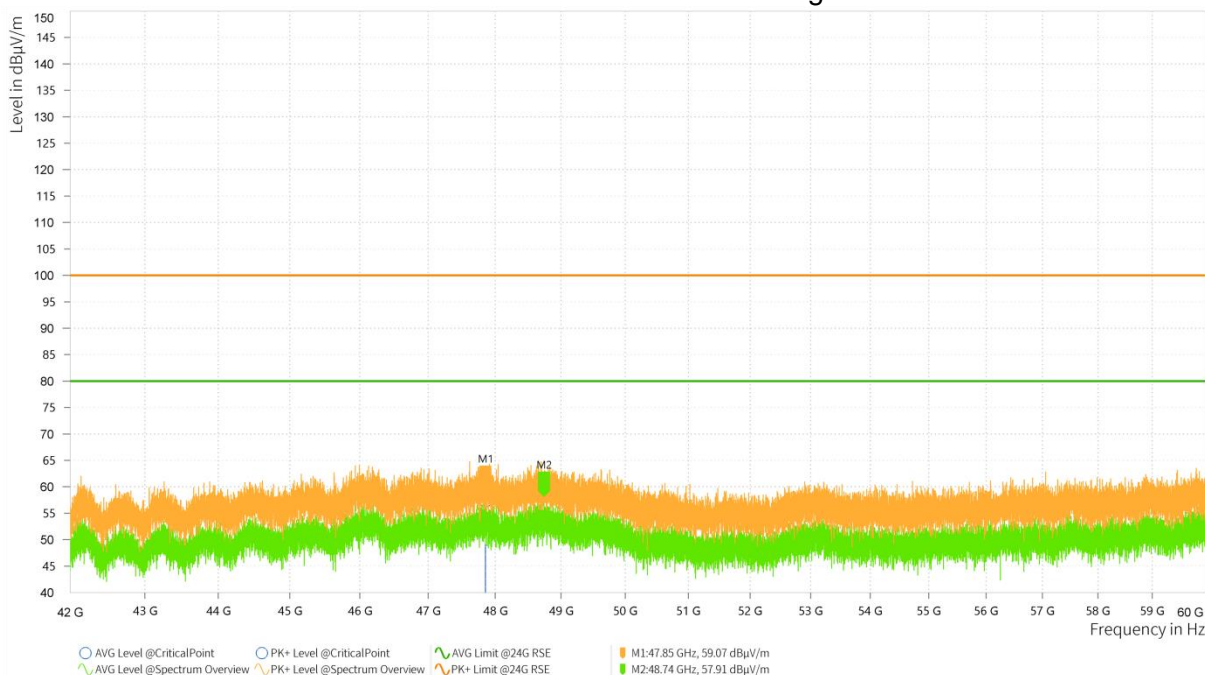
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Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	47,850.500	57.39	100.00	42.61	53.21	80.00	26.79	57.65	V	0	1.5



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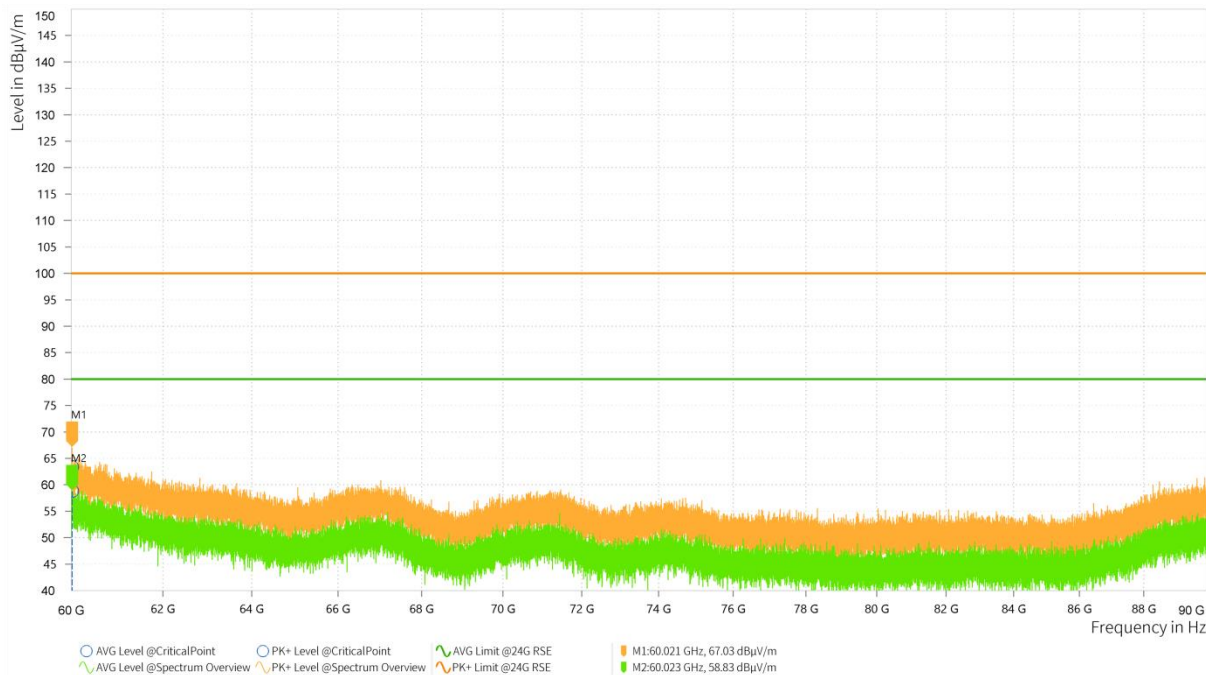
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60G-90G



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	60,022.500	63.36	100.00	36.64	58.83	80.00	21.17	57.44	H	0	1.5



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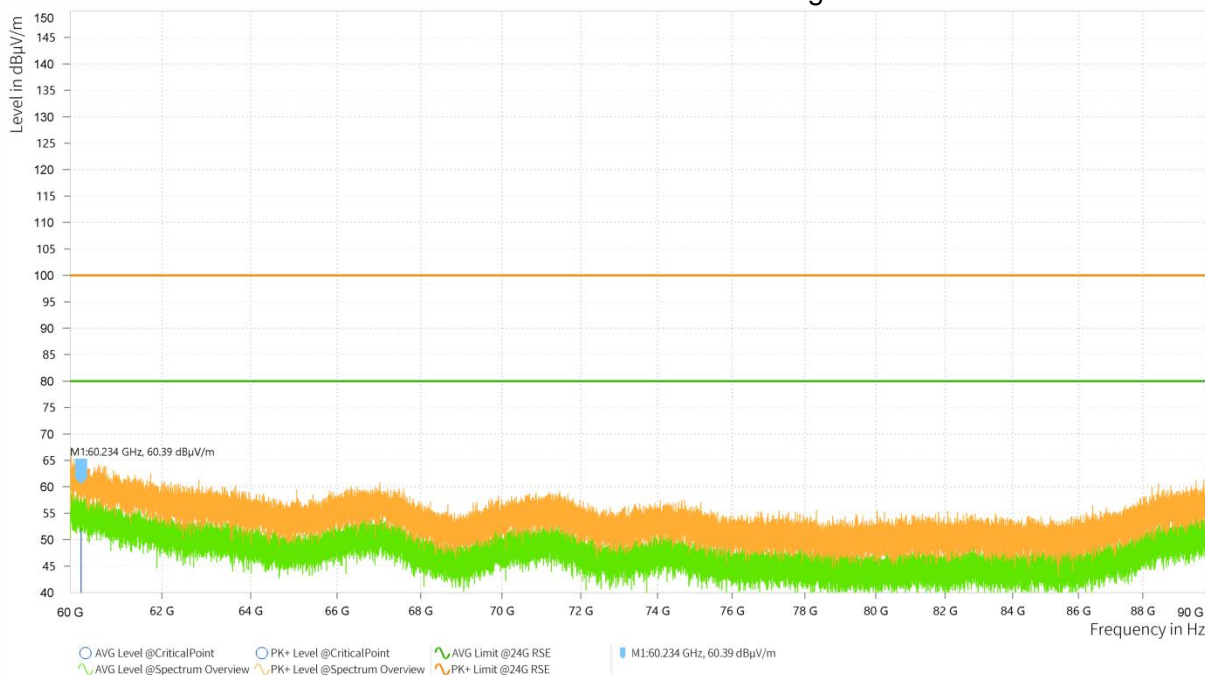
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Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	60,234.000	60.44	100.00	39.56	55.04	80.00	24.96	57.05	V	0	1.5



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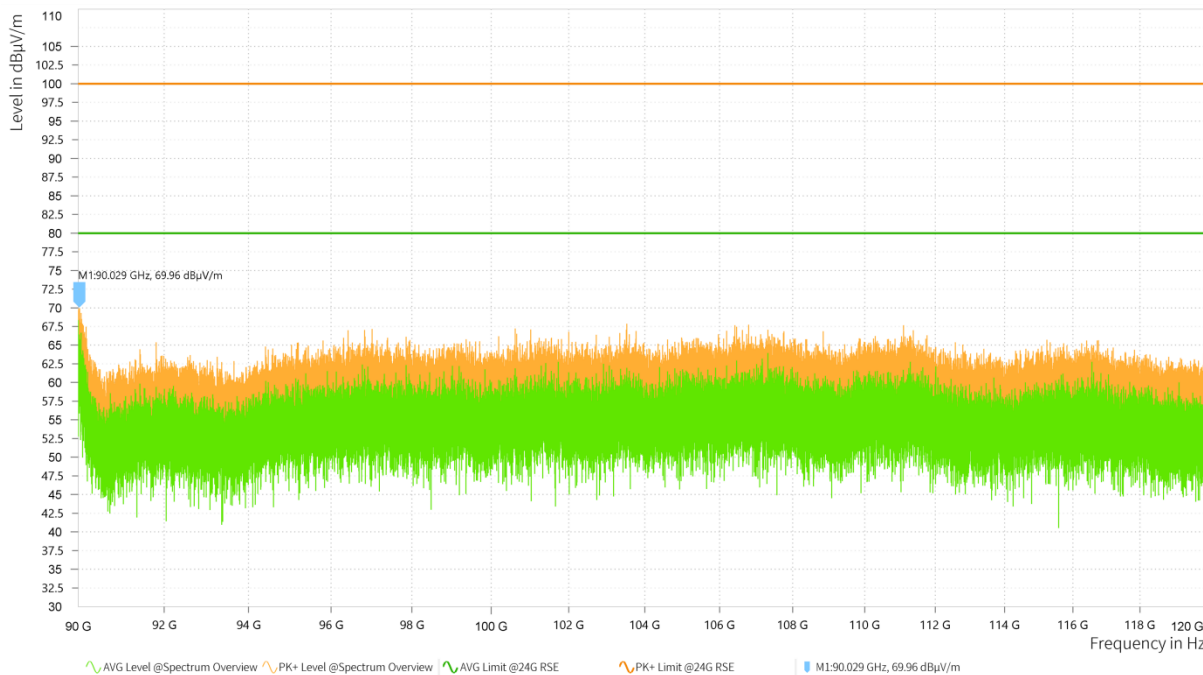
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90G-120G



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	90,006.240	71.67	100.00	28.33	68.32	80.00	11.68	63.77	H	0	1.5



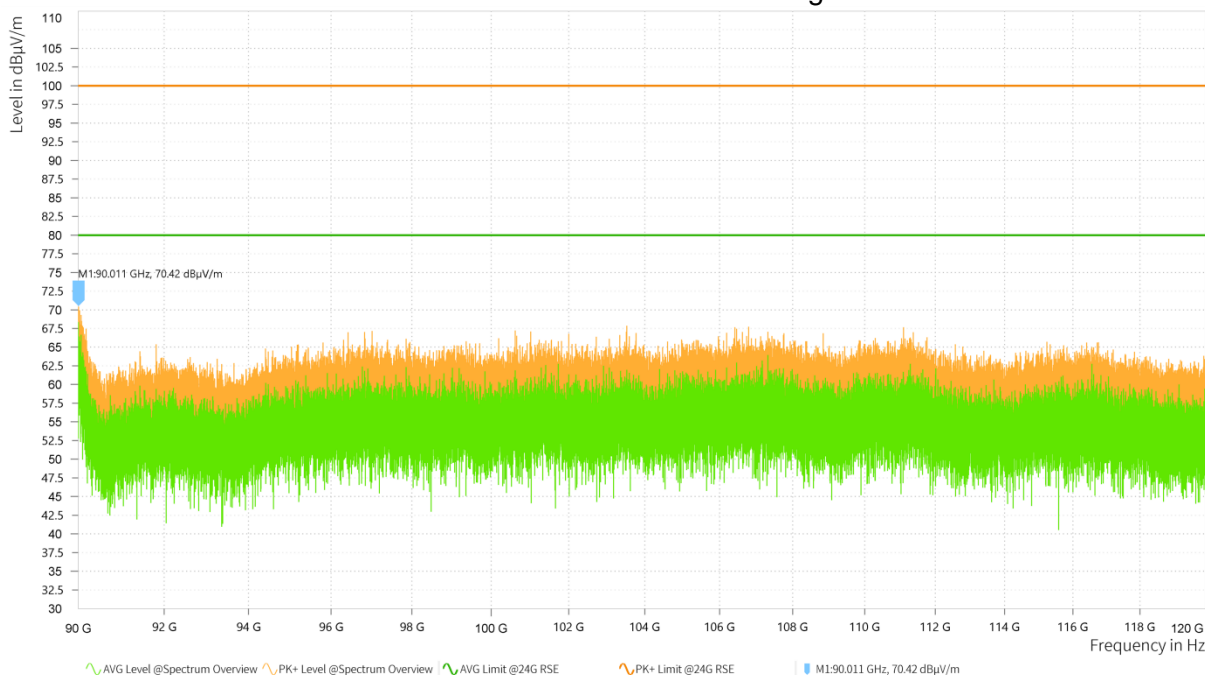
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Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	90,006.240	71.67	100.00	28.33	68.32	80.00	11.68	63.77	V	0	1.5



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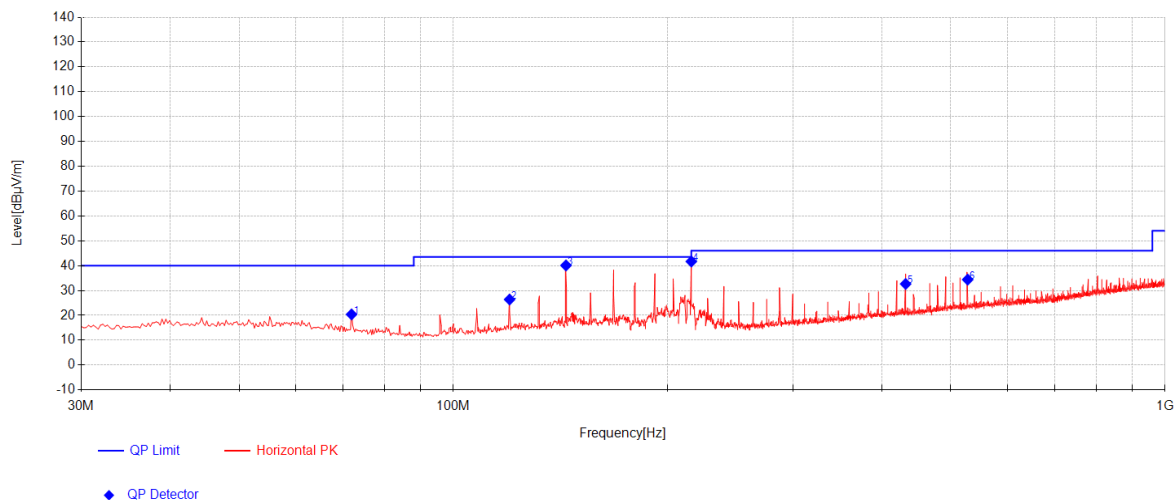
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Obstacle avoidance radar

30M-1G



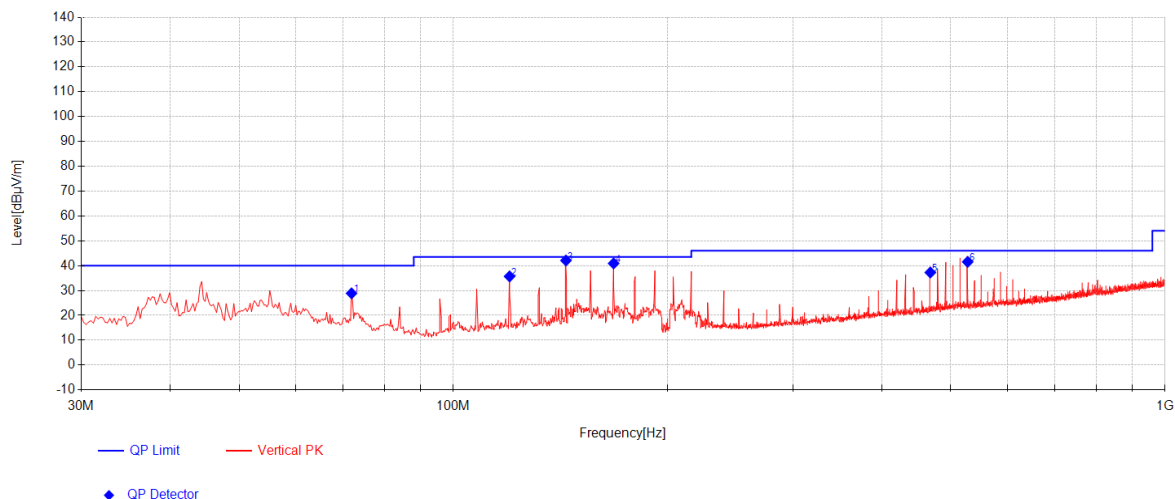
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	71.9525	37.38	16.73	-33.72	20.39	40.00	19.61	156	356	Horizontal
2	119.9675	42.43	17.30	-33.34	26.39	43.50	17.11	273	191	Horizontal
3	143.975	54.77	18.54	-33.22	40.09	43.50	3.41	114	356	Horizontal
4	215.9975	58.19	16.08	-32.59	41.68	43.50	1.82	187	243	Horizontal
5	432.065	42.03	21.97	-31.35	32.65	46.00	13.35	169	296	Horizontal
6	528.095	41.38	23.91	-30.90	34.39	46.00	11.61	213	265	Horizontal

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Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	71.9525	45.87	16.73	-33.72	28.88	40.00	11.12	156	339	Vertical
2	119.9675	51.73	17.30	-33.34	35.69	43.50	7.81	234	4	Vertical
3	143.975	56.77	18.54	-33.22	42.09	43.50	1.41	177	339	Vertical
4	167.9825	56.29	17.58	-32.97	40.91	43.50	2.59	246	4	Vertical
5	467.955	45.76	22.73	-31.24	37.25	46.00	8.75	182	339	Vertical
6	528.095	48.53	23.91	-30.90	41.54	46.00	4.46	214	4	Vertical



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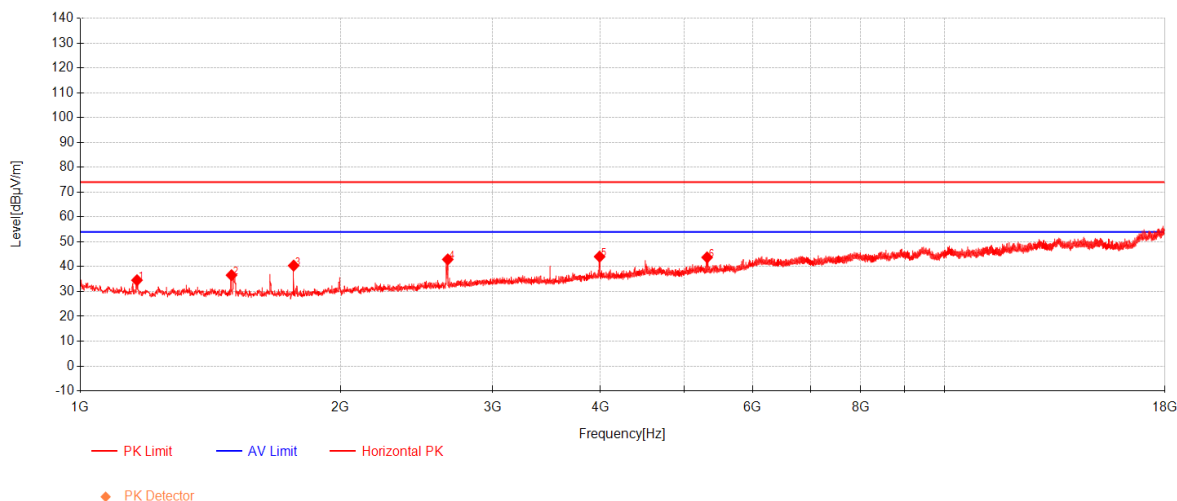
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1G-18G



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.2	58.18	25.24	34.55	-48.87	74.00	39.45	155	290	Horizontal
2	1496.4	60.20	24.86	36.56	-48.50	74.00	37.44	216	15	Horizontal
3	1765.85	64.14	24.60	40.43	-48.31	74.00	33.57	187	104	Horizontal
4	2662.6	61.95	28.08	42.91	-47.13	74.00	31.09	123	306	Horizontal
5	3990.3	58.26	31.27	44.02	-45.50	74.00	29.98	145	87	Horizontal
6	5313.75	54.74	33.14	43.73	-44.15	74.00	30.27	122	71	Horizontal



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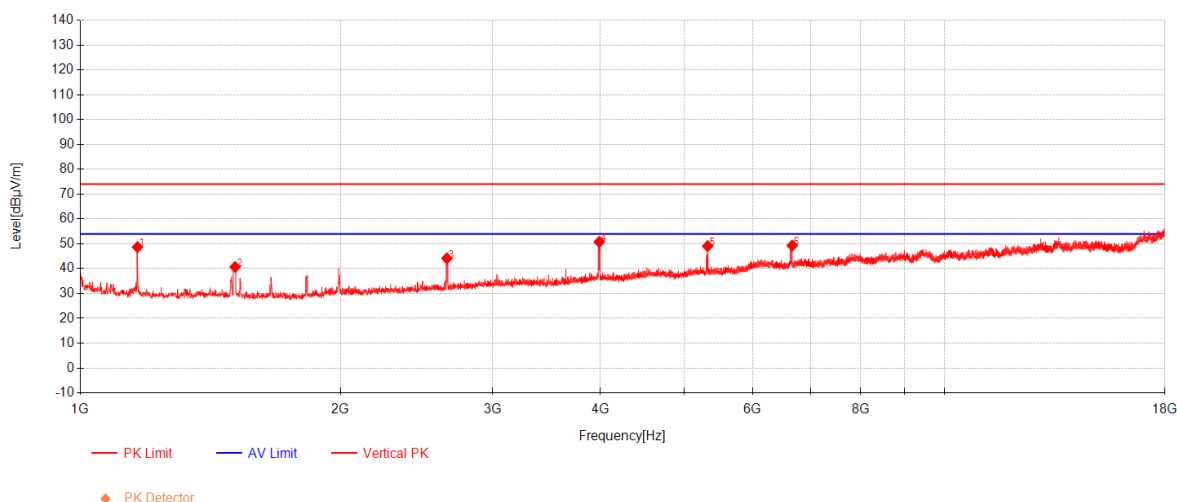
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.9	72.34	25.24	48.70	-48.87	74.00	25.30	125	145	Vertical
2	1510.85	64.36	24.82	40.69	-48.49	74.00	33.31	136	360	Vertical
3	2656.65	63.24	28.06	44.16	-47.14	74.00	29.84	256	262	Vertical
4	3986.9	65.05	31.26	50.80	-45.50	74.00	23.20	189	117	Vertical
5	5321.4	60.06	33.14	49.07	-44.12	74.00	24.93	211	114	Vertical
6	6666.95	56.34	35.87	49.32	-42.88	74.00	24.68	158	262	Vertical



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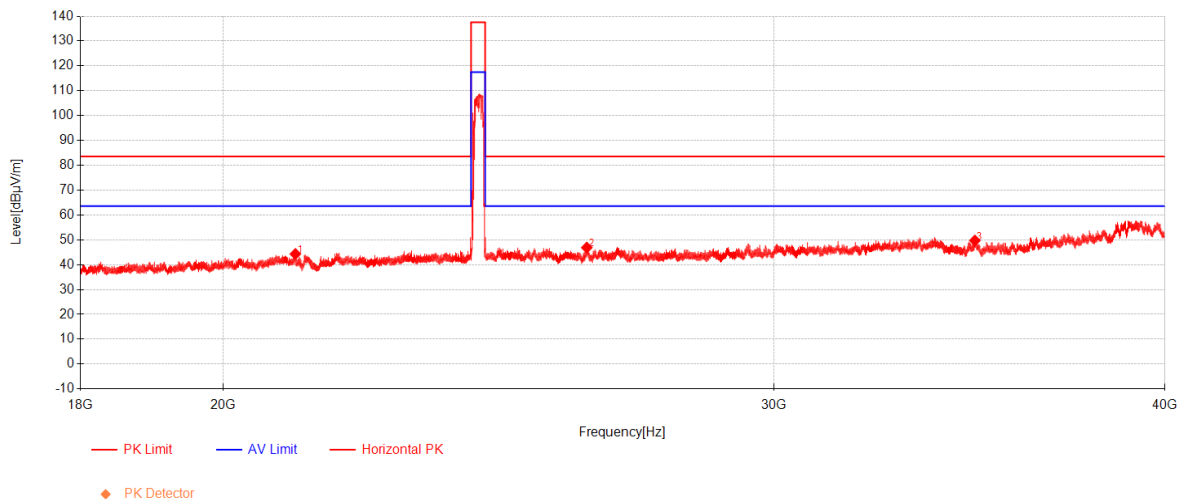
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18G-40G



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	21089	43.33	37.74	-36.75	44.31	83.54	39.23	142	240	Horizontal
2	26134	42.16	38.61	-33.91	46.86	83.54	36.68	265	360	Horizontal
3	34776.25	44.66	40.90	-35.84	49.72	83.54	33.82	284	60	Horizontal



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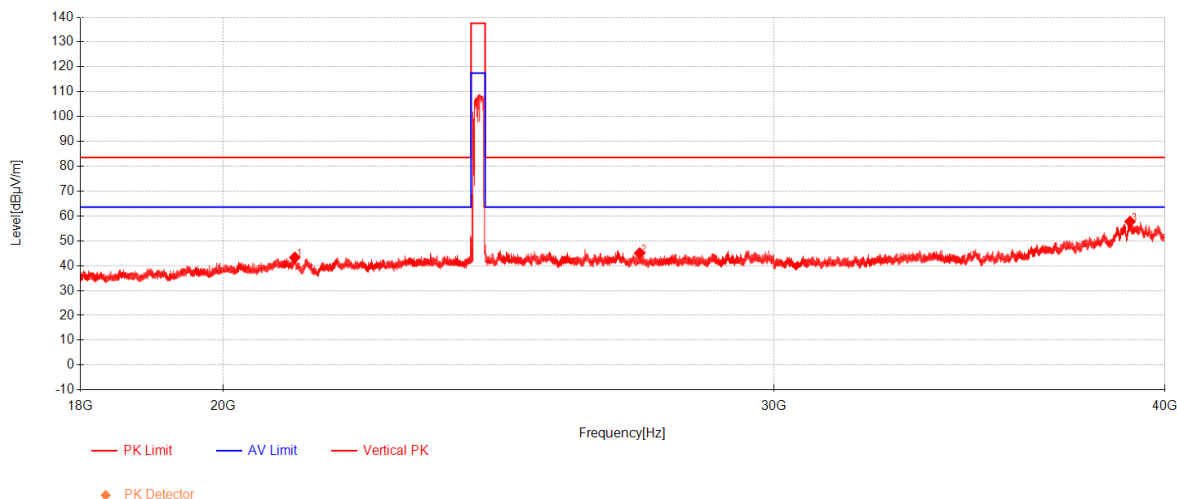
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	21080	42.57	37.73	-37.02	43.28	83.54	40.26	142	20	Vertical
2	27171.5	42.05	39.00	-36.02	45.03	83.54	38.51	265	90	Vertical
3	38983.75	47.19	43.19	-32.68	57.71	83.54	25.83	284	60	Vertical



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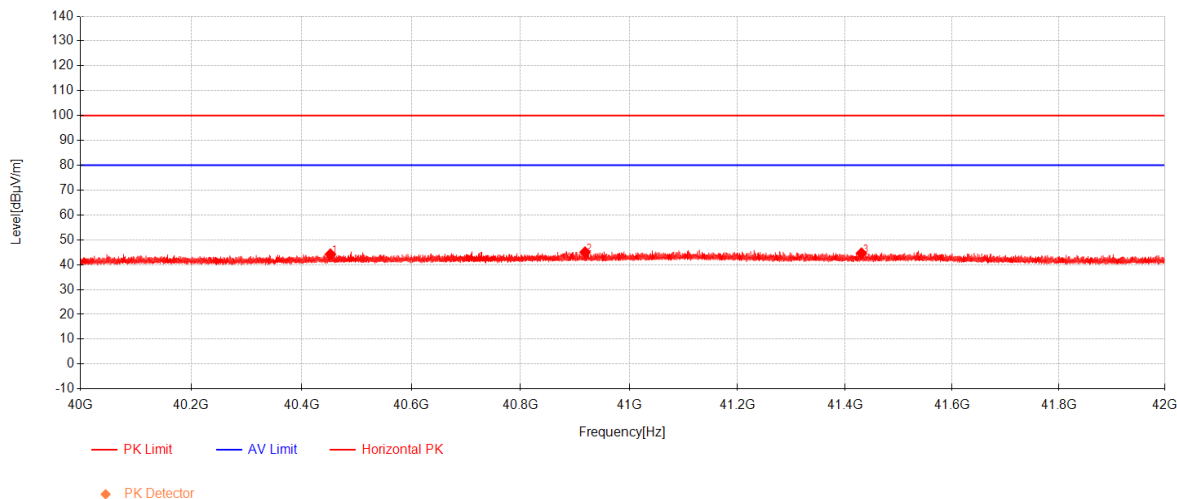
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40G-42G



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40452.5833	36.31	43.60	-35.74	44.17	100.00	55.83	102	110	Horizontal
2	40918.5833	36.89	43.81	-35.70	45.01	100.00	54.99	265	310	Horizontal
3	41430.5	36.19	44.04	-35.65	44.58	100.00	55.42	284	80	Horizontal

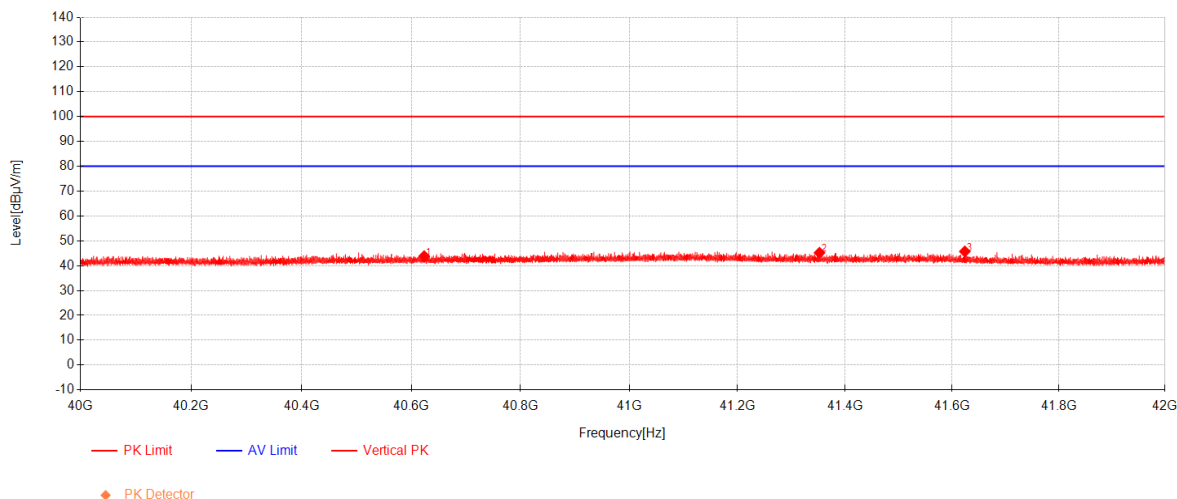


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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40623.5833	35.85	43.68	-35.72	43.81	100.00	56.19	142	20	Vertical
2	41352.3333	36.83	44.01	-35.66	45.18	100.00	54.82	265	230	Vertical
3	41623.5833	37.21	44.13	-35.63	45.71	100.00	54.29	288	340	Vertical



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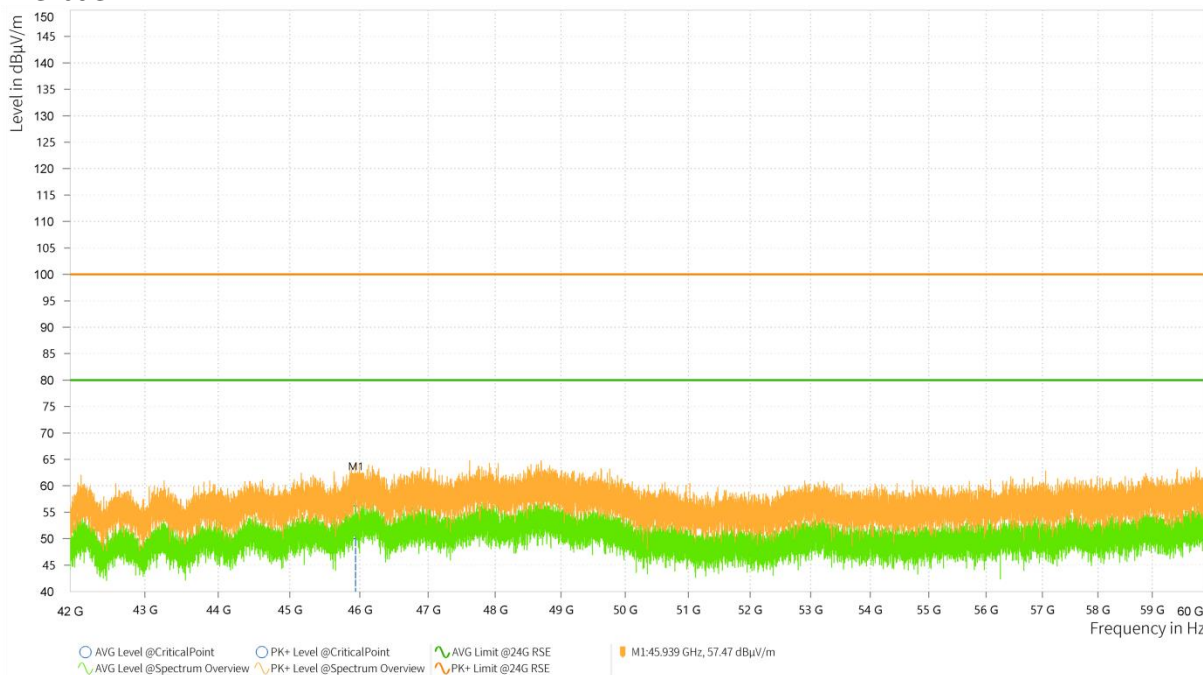
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Harmonic

42G-60G



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	45,938.500	57.40	100.00	42.60	51.21	80.00	28.79	57.09	H	0	1.5



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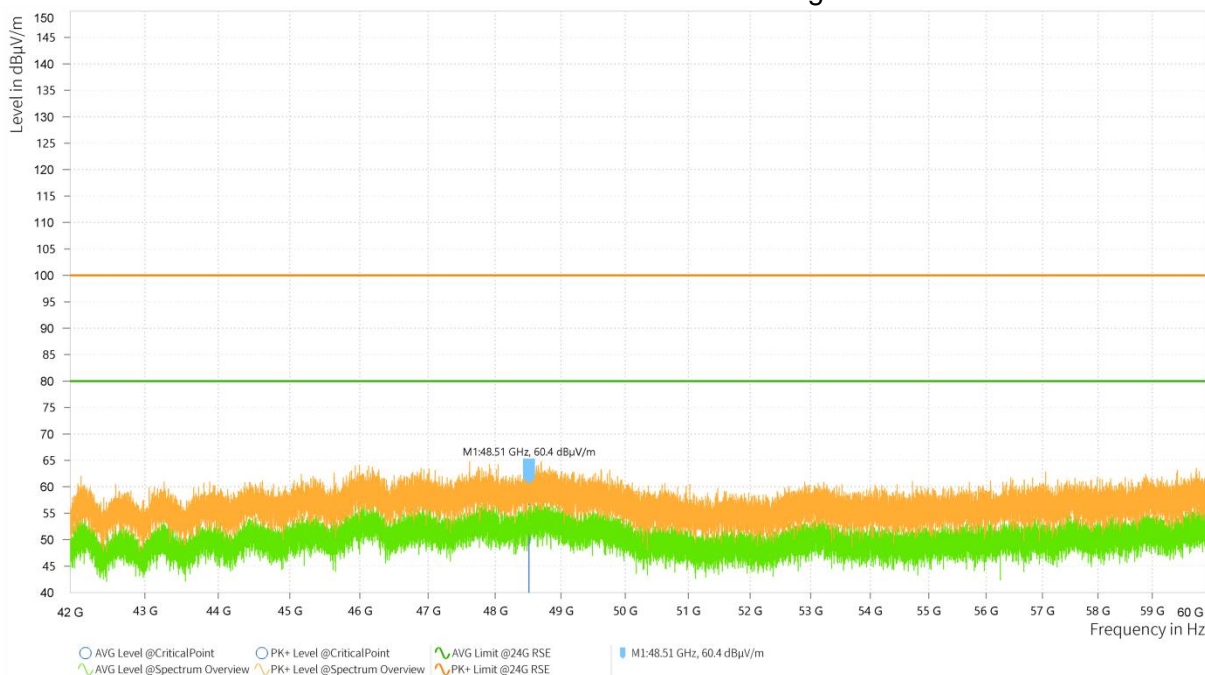
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Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	48,510.000	60.64	100.00	39.36	52.48	80.00	27.52	57.95	V	0	1.5



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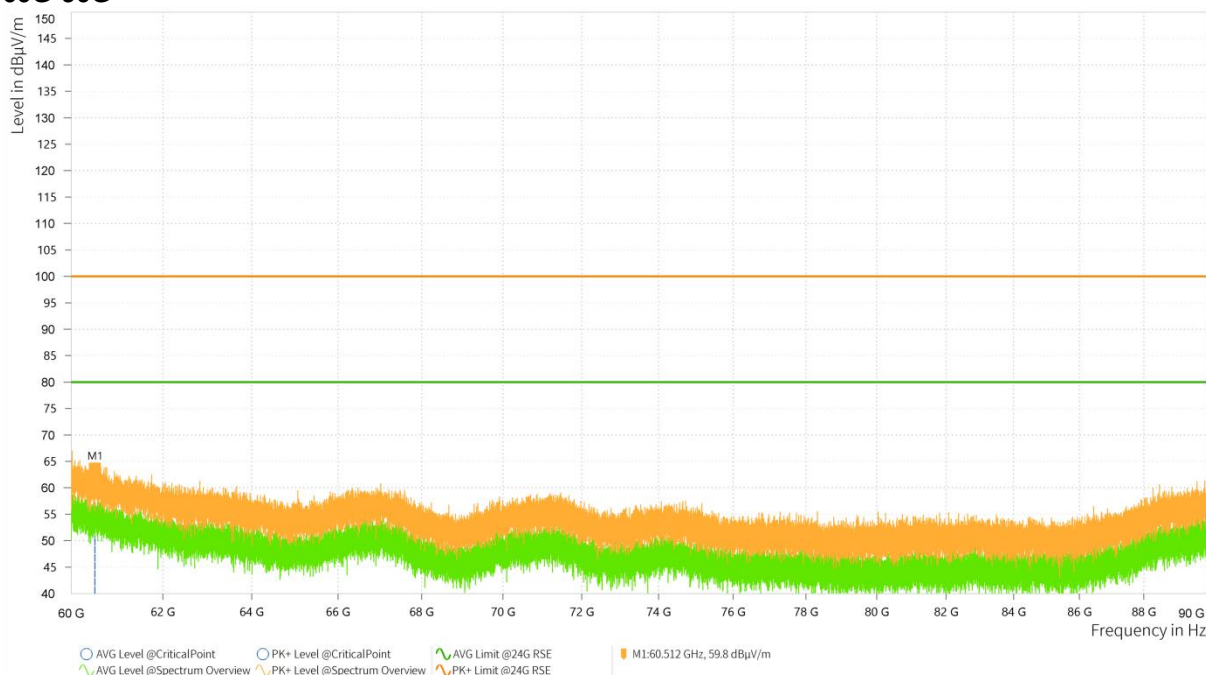
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60G-90G



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	60,511.500	60.89	100.00	39.11	55.02	80.00	24.98	55.87	H	0	1.5



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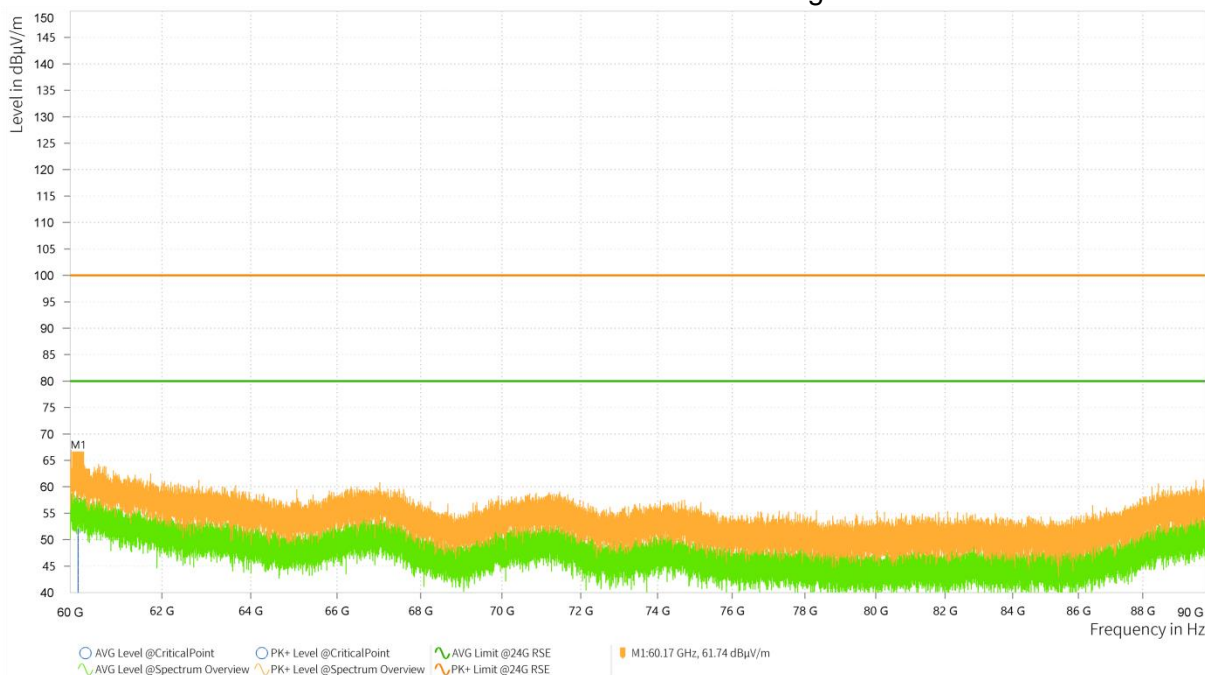
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Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	60,170.000	61.43	100.00	38.57	56.57	80.00	23.43	57.16	V	0	1.5



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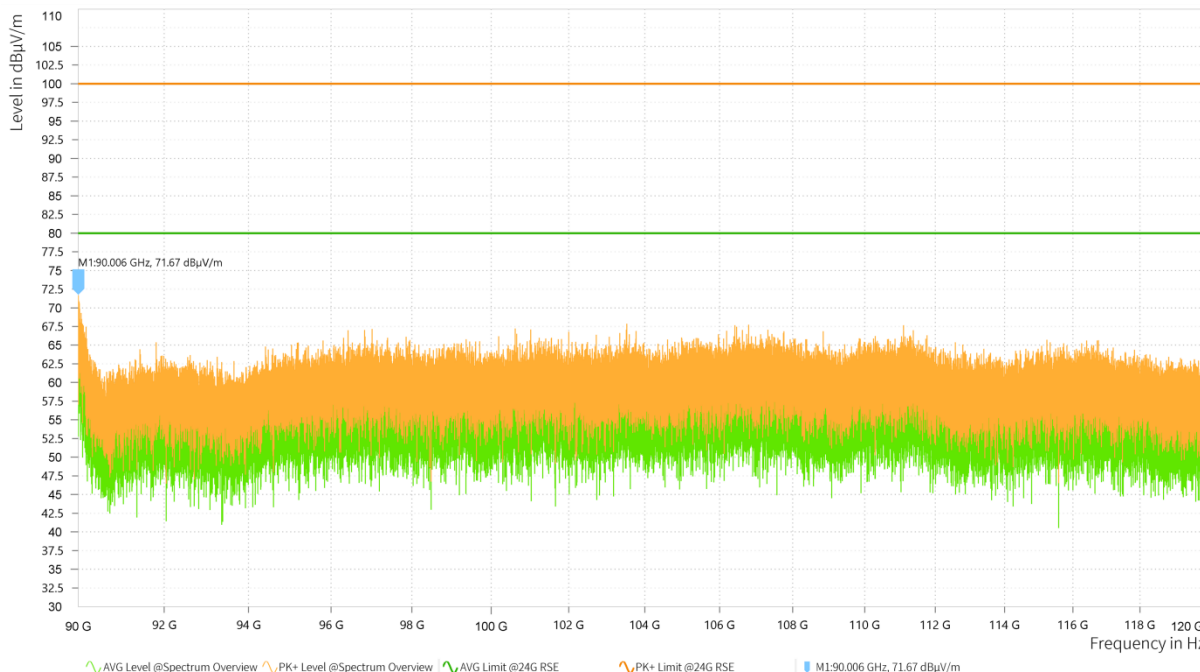
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90G-120G



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	90,006.240	71.67	100.00	28.33	68.32	80.00	11.68	63.77	H	0	1.5



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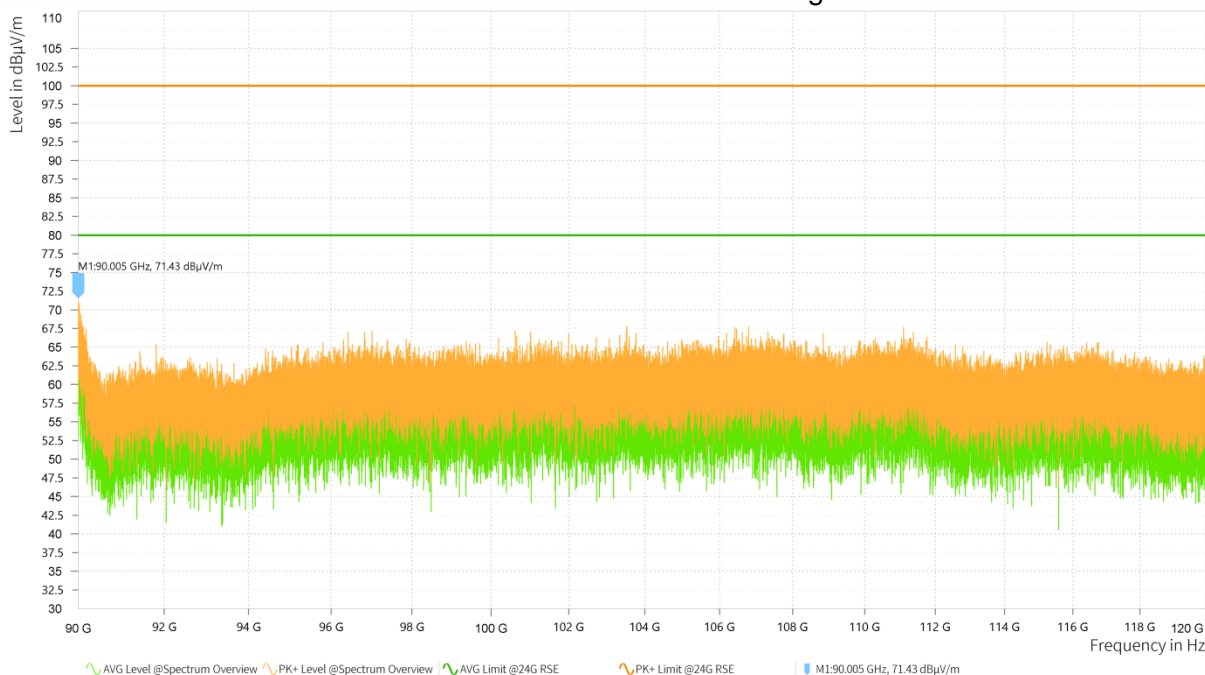
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Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	90,006.240	71.67	100.00	28.33	68.32	80.00	11.68	63.77	V	0	1.5



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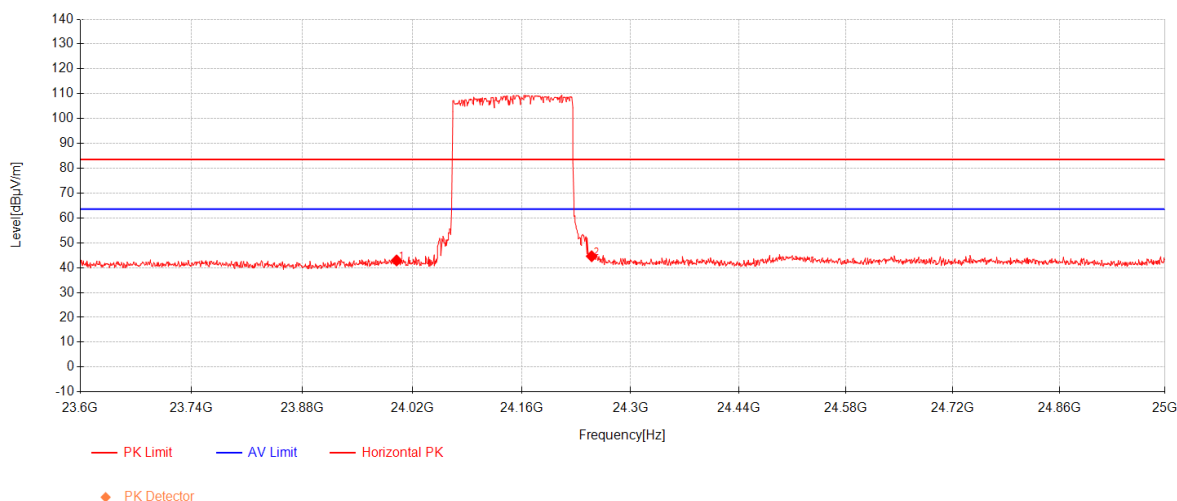
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Radiated Emissions which fall in the restricted bands

Terrain following radar



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24000	39.73	38.10	-34.91	42.92	83.54	40.62	152	183	Horizontal
2	24250	41.69	38.20	-35.30	44.59	83.54	38.95	152	183	Horizontal



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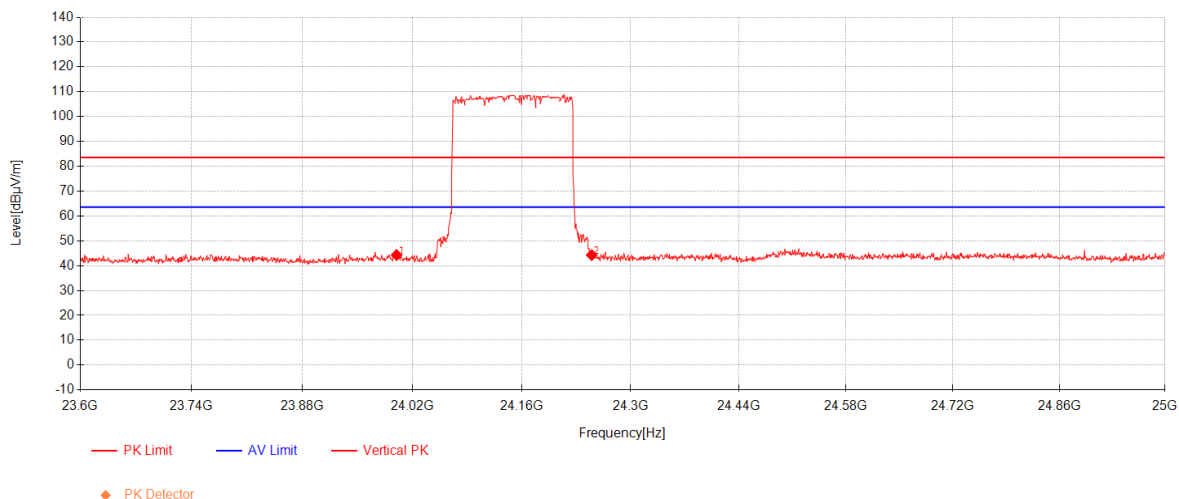
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24000	41.10	38.10	-34.91	44.29	83.54	39.25	151	180	Vertical
2	24250	41.37	38.20	-35.30	44.27	83.54	39.27	151	180	Vertical



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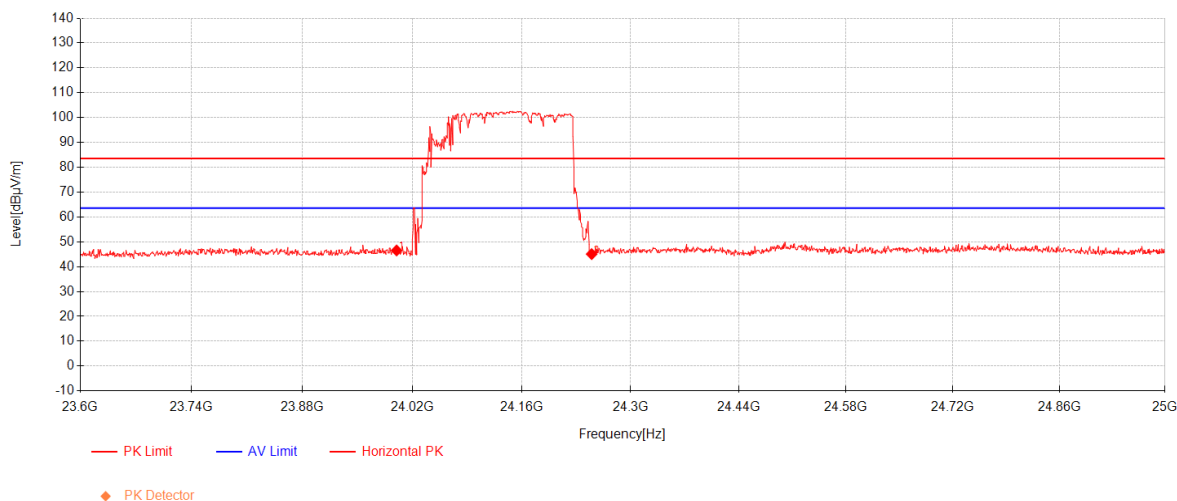
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Obstacle avoidance radar



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24000	43.34	38.10	-34.91	46.53	83.54	37.01	148	183	Horizontal
2	24250	42.15	38.20	-35.30	45.05	83.54	38.49	148	183	Horizontal



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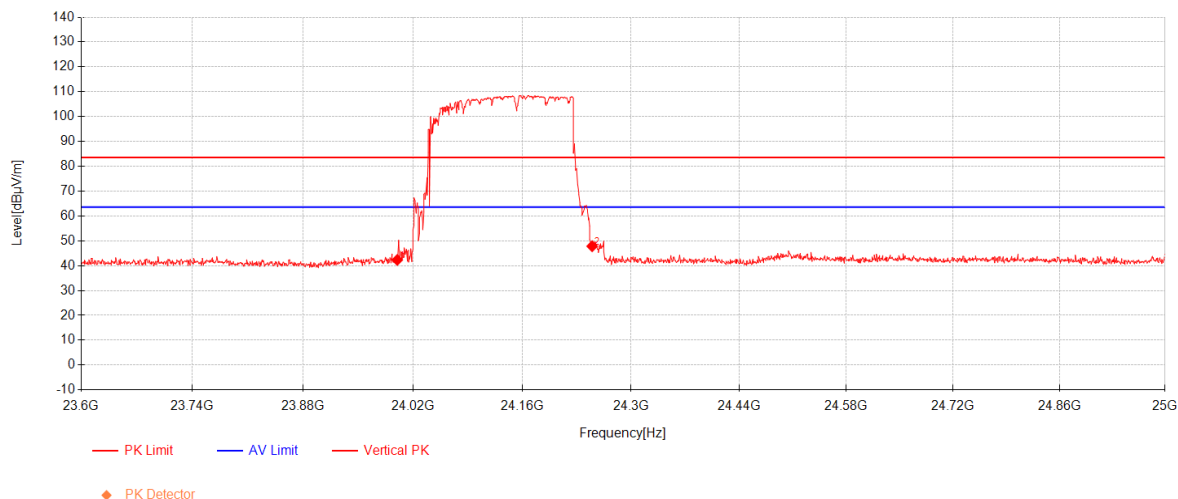
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24000	39.11	38.10	-34.91	42.30	83.54	41.24	149	177	Vertical
2	24250	44.94	38.20	-35.30	47.84	83.54	35.70	149	177	Vertical



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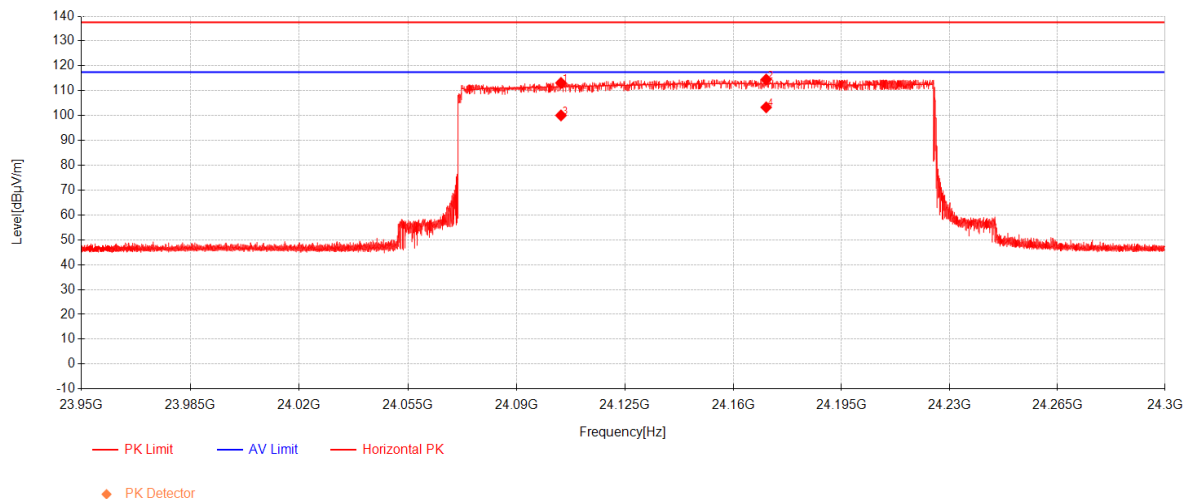
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Filed strength of fundamental

Terrain following radar



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24104.315	110.50	38.14	-35.50	113.14	137.50	28.36	153	182	Horizontal
2	24170.6225	111.15	38.17	-34.82	114.49	137.50	27.01	153	182	Horizontal
3	24104.315	97.42	38.14	-35.50	100.06	117.50	22.44	153	182	Horizontal
4	24170.6225	99.99	38.17	-34.82	103.33	117.50	19.17	153	182	Horizontal



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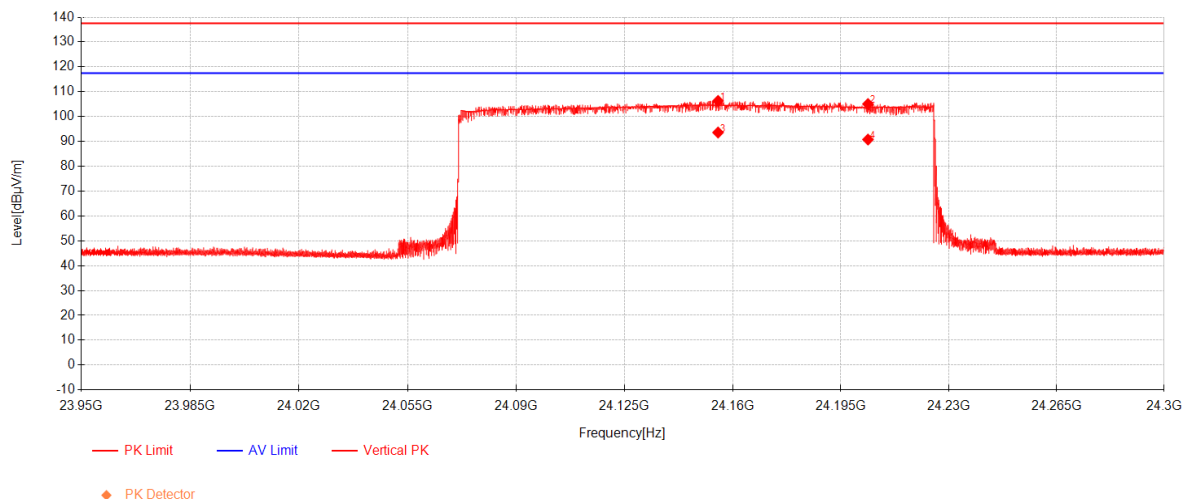
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24155.24	102.62	38.16	-34.49	106.30	137.50	31.20	147	181	Vertical
2	24203.8025	102.33	38.18	-35.46	105.05	137.50	32.45	147	181	Vertical
3	24155.24	89.91	38.16	-34.49	93.59	117.50	23.91	147	181	Vertical
4	24203.8025	88.04	38.18	-35.46	90.76	117.50	26.74	147	181	Vertical



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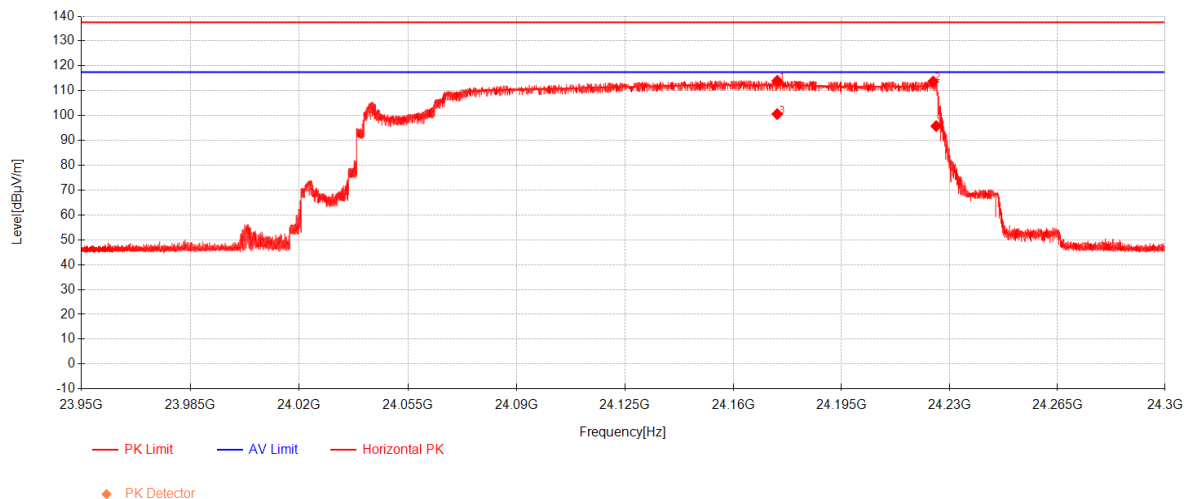
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Obstacle avoidance radar



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24174.1925	110.72	38.17	-34.90	113.99	137.50	24.51	150	330	Horizontal
2	24224.68	110.89	38.19	-35.39	113.69	137.50	24.81	150	210	Horizontal
3	24174.1925	97.32	38.17	-34.90	100.59	117.50	21.91	149	181	Horizontal
4	24225.68	92.95	38.19	-35.38	95.76	117.50	26.74	149	181	Horizontal



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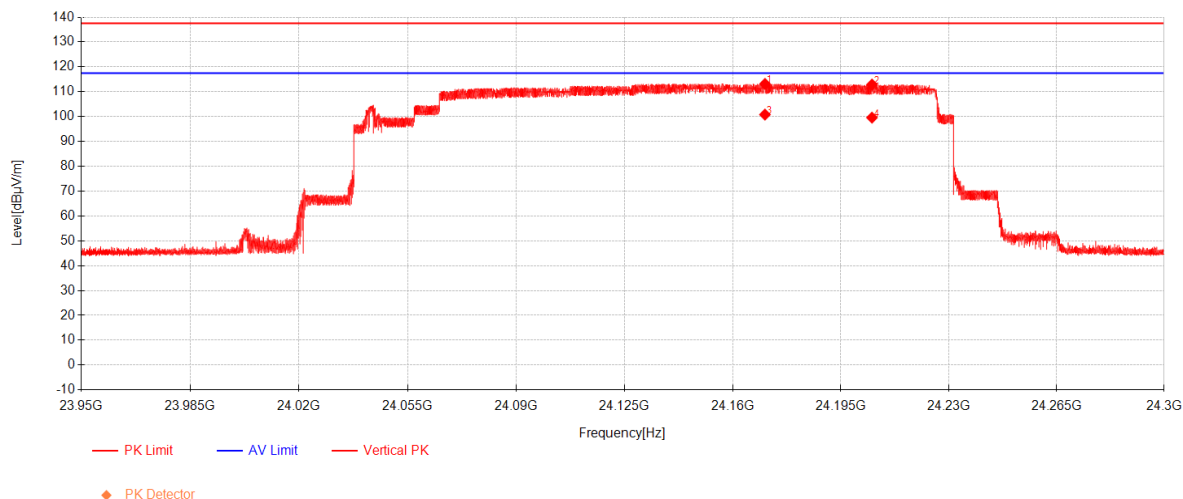
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1	24170.43	109.80	38.17	-34.82	113.15	137.50	27.35	151	179	Vertical
2	24205.0975	110.13	38.18	-35.45	112.86	137.50	27.64	151	179	Vertical
3	24170.43	97.44	38.17	-34.82	100.79	117.50	21.71	151	179	Vertical
4	24205.0975	96.84	38.18	-35.45	99.57	117.50	22.93	151	179	Vertical

---End of Report---



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