

Report No.: SEWM2308000302RG01
 Rev.: 01
 Page: 1 of 73



TEST REPORT

Application No.: SEWM2308000302RG
Applicant: SZ DJI TECHNOLOGY CO., LTD.
Address of Applicant: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.
Address of Manufacturer: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.
EUT Description: Agras T50/Agras T25
Model No.: 3WWDZ-40B, 3WWDZ-20B
Trade Mark: DJI
FCC ID: SS3-T50A2303
Standards: FCC 47 CFR Part 15, Subpart C 15.249
Date of Receipt: 2023/08/10
Date of Test: 2023/08/10 to 2023/08/16
Date of Issue: 2023/08/17

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
 Wireless Laboratory Manager

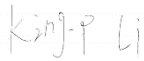
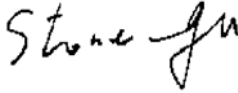


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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023/08/17		Original

Prepared By		 <hr/> (King-p Li) / Test Engineer
Checked By		 <hr/> (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

Declaration of EUT Family Grouping:

Model No.: 3WWDZ-40B, 3WWDZ-20B

According to the declaration from the applicant, the electrical circuit design, PCB layout and internal wiring and functions were identical for the above models, with only difference on as below.

	3WWDZ-40B	3WWDZ-20B
Motor	8pcs	4pcs
Size (open paddle)	Max. 2800×3085×860 mm	Max. 2585×2675×795 mm
Battery	30000mAh	15500mAh

Both 3WWDZ-40B and 3WWDZ-20B were pre-tested, 3WWDZ-40B was the worse-case, only the worse-case test data were recorded in this report.



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3 General Information

3.1 Details of Client

Applicant:	SZ DJI TECHNOLOGY CO., LTD.
Address of Applicant:	Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.
Manufacturer:	SZ DJI TECHNOLOGY CO., LTD.
Address of Manufacturer:	Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, 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:

<ul style="list-style-type: none"> • 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:	Agras T50/Agras T25
Model No.:	3WWDZ-40B, 3WWDZ-20B
Trade Mark:	DJI
Hardware Version:	V1.0
Software Version:	V00.00.00.01
SN:	6DEDKAQ0010161
Frequency Range:	24.05GHz-24.25GHz
Channel Number:	1
Modulation Type:	FMCW
Antenna Type:	Linear Antenna
Antenna Gain:	10dBi
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.
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.



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4 Test results and Measurement Data

4.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203
<p>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.</p>	
<p>The antenna is Linear Antenna and no consideration of replacement. The best case gain of the antenna is 10dBi.</p>	
<p><i>Note:</i> <i>The antenna gain are derived from the gain information report provided by the manufacturer.</i></p>	
<p><i>Remark:</i> <i>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.</i></p>	



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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	



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4.3 Filed Strength of Fundamental and Radiation Spurious Emission

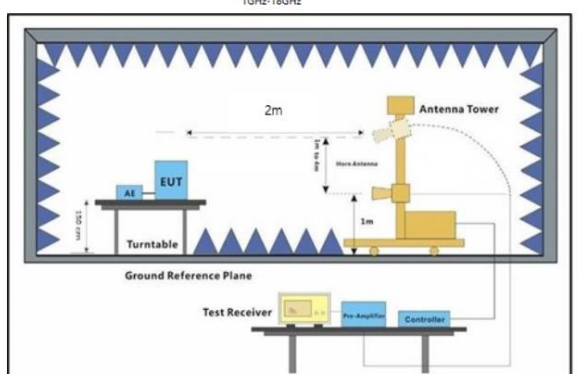
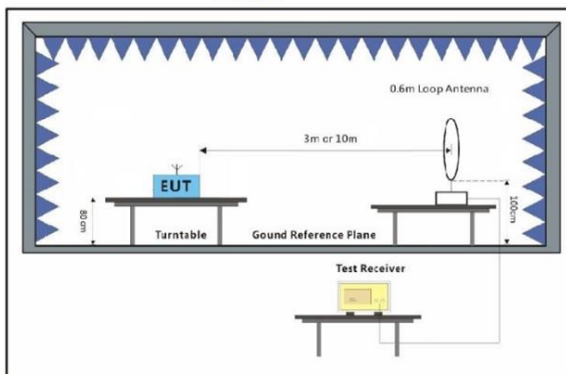
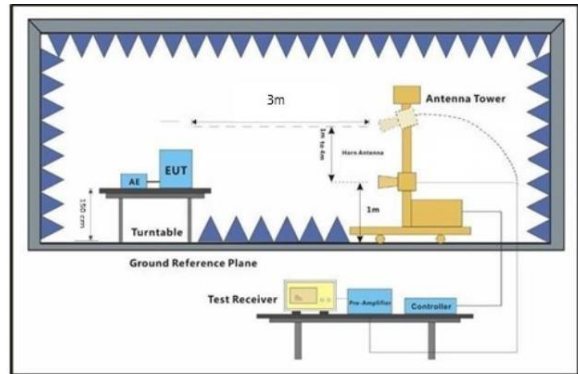
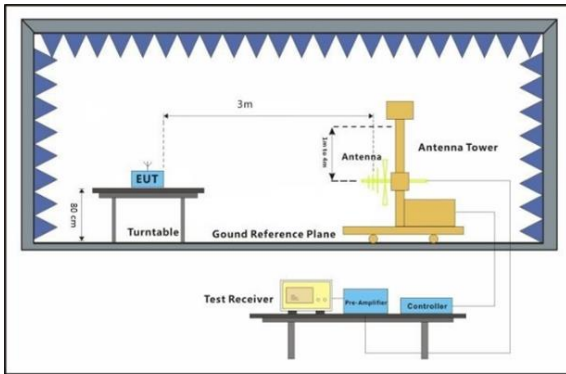
Test Requirement:	47 CFR Part 15C Section 15.249(a), 15.209			
Test Method:	ANSI C63.10-2013 Section 6.6			
Limit:	FCC according to §15.249(a). (1)The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:			
	Fundamental frequency (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 2M	Peak (dBuV/m) at 2M
	250	107.9588	111.48	131.48
	* (Limit = 107.9588 + 20LOG(3/2) = 111.48 dBuV/m)			
Harmonic Limit Conversion				
Average (uV/m) at 3M	Average (dBuV/m) at 3M	Average (dBuV/m) at 2M	Peak (dBuV/m) at 2M	
2500	67.9588	71.48	91.48	
*(Limit=67.9588+20LOG(3/2)=71.48 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.)			



	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)

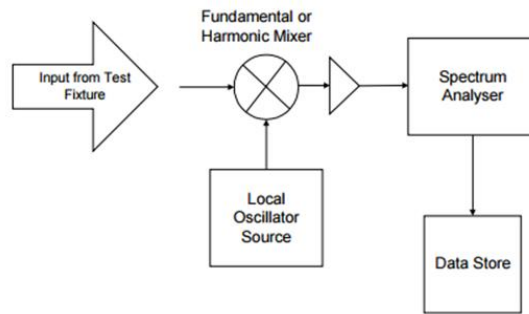
Frequency (MHz)	Field Strength microvolts/m at specific distance	
	Peak	AVG
18-40GHz	77.52dBuV/m@2m	57.52dBuV/m@2m
Above 40GHz	77.52dBuV/m @2m	57.52dBuV/m @2m

Test Setup:



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Above 40GHz

Instruments Used:	Refer to section 6 for details
Test Procedure:	<p>a. 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.</p> <p>b. 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.</p> <p>c. 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.</p> <p>d. For above 40GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 2 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation</p> <p>e. 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>f. 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.</p> <p>g. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>h. 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>i. 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>j. Repeat above procedures until all frequencies measured was complete.</p> <p>Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor 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</p>



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	lower than the average limit, only the peak measurement is shown in the report.
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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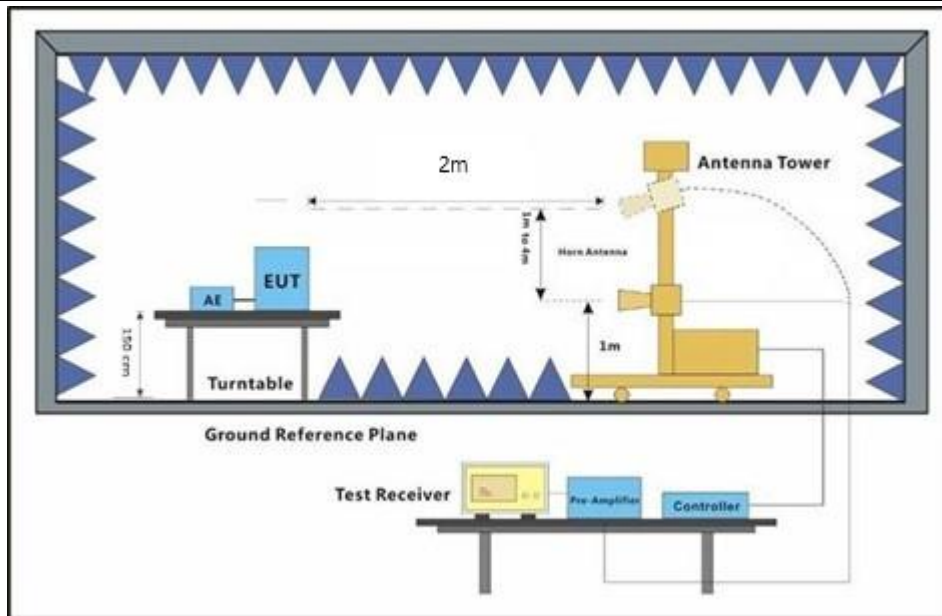
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4.4 Radiated Emissions which fall in the restricted bands

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 2m, the filed strength doesn't exceed 57.52 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



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	<p>ground at a 2 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <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 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	±1.0 %
2	Conduction Emission	± 2.90dB (150kHz to 30MHz)
3	Radiated Emission	± 3.13dB (9k -30MHz)
		± 4.80dB (30M -1GHz)
		± 4.80dB (1GHz to 18GHz)
		± 4.80dB (Above 18GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{CISPR/ETSI}$ (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 FCC Radar Setup Photos.



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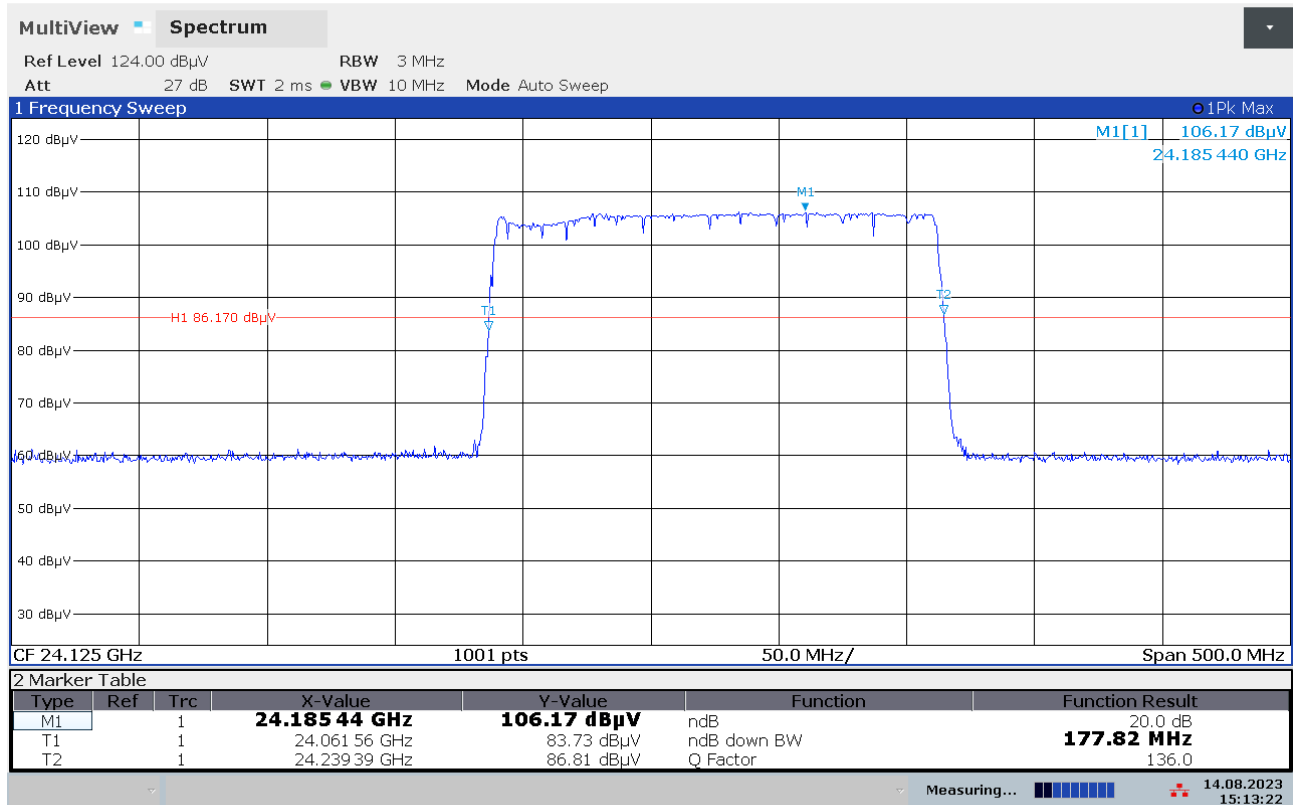
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20dB Emission Bandwidth

Rear Phased Array Radar

Horizontal



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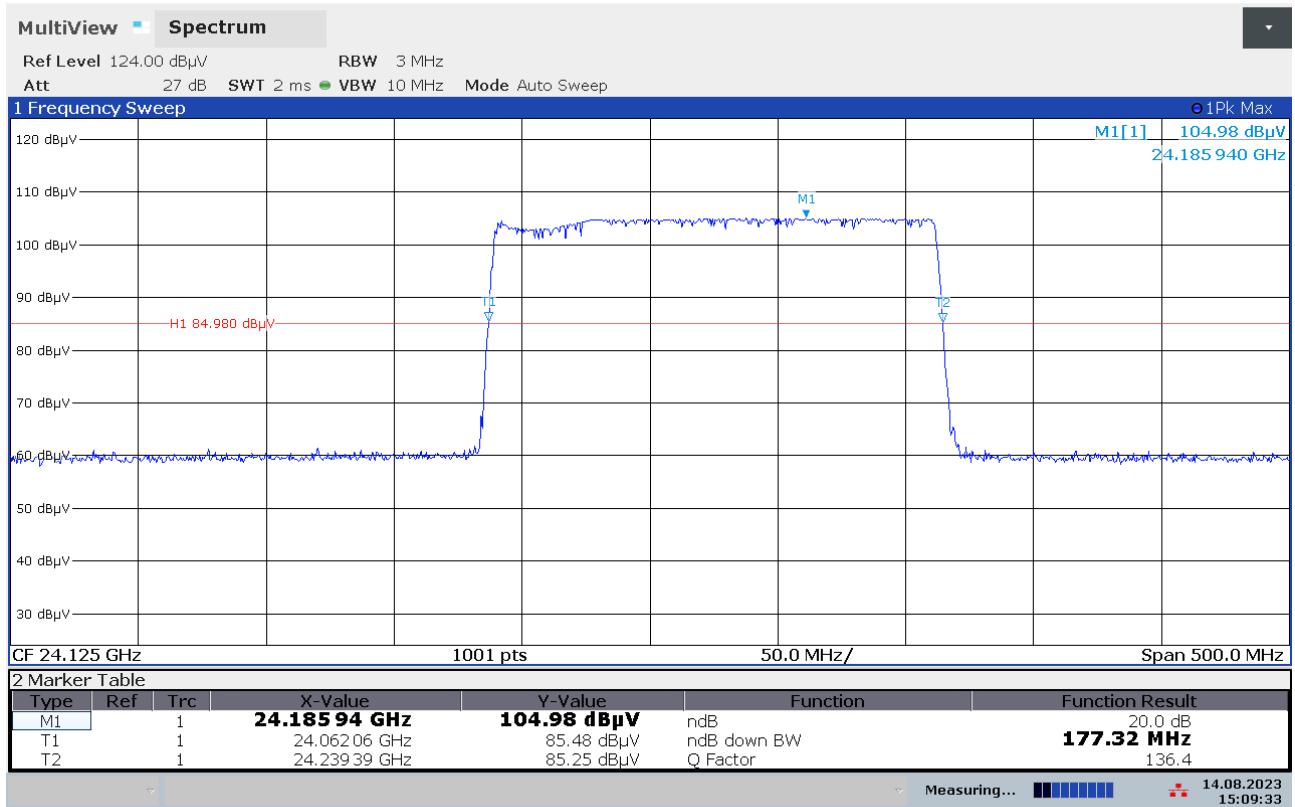
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Vertical



15:09:34 14.08.2023



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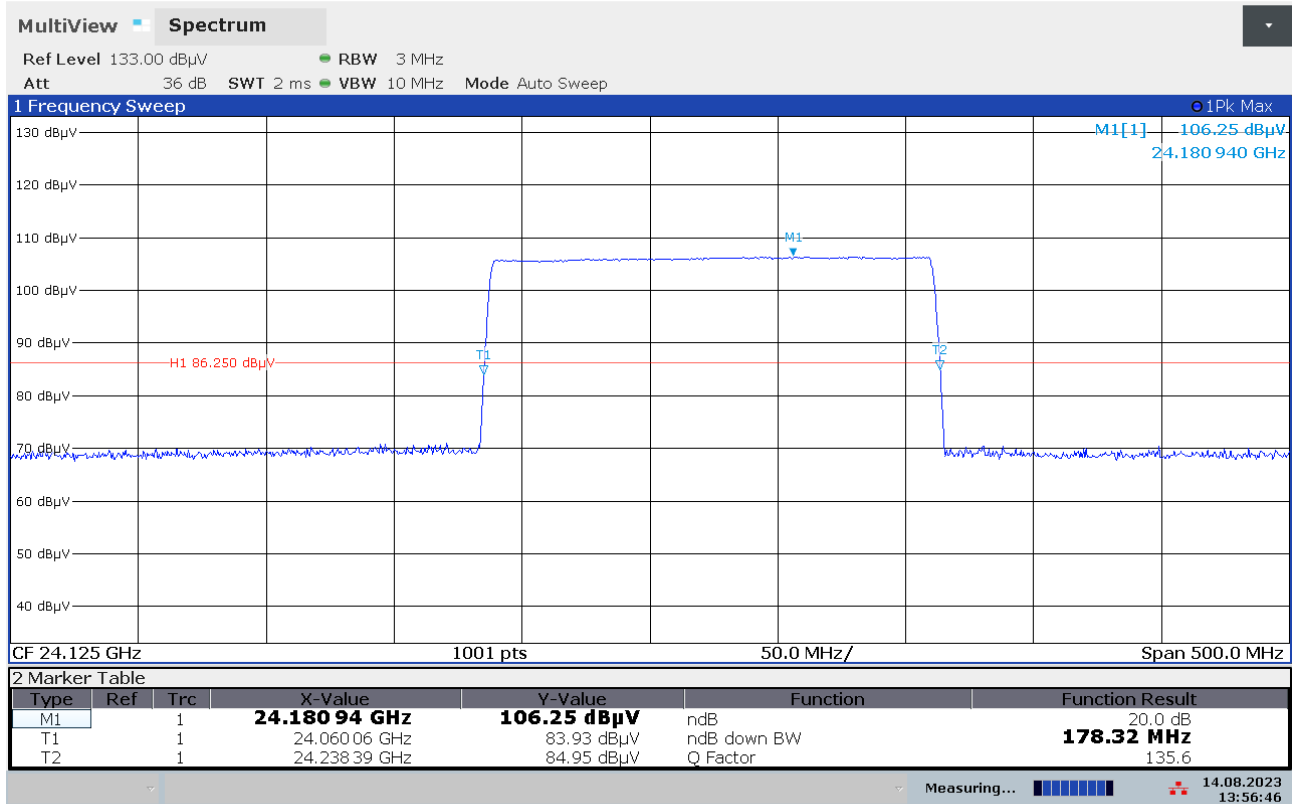
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Forward Phased Array Radar (Single board)

Horizontal



13:56:47 14.08.2023

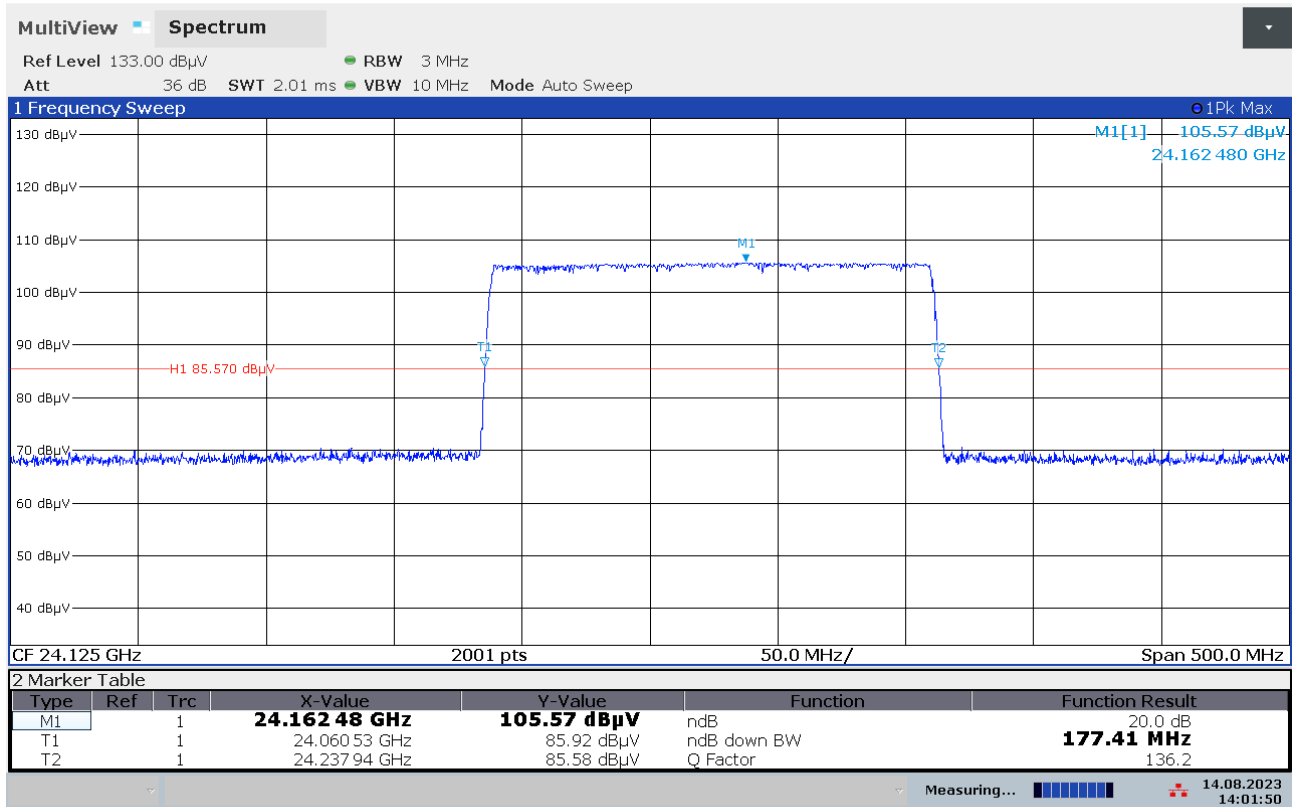


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Vertical



14:01:51 14.08.2023



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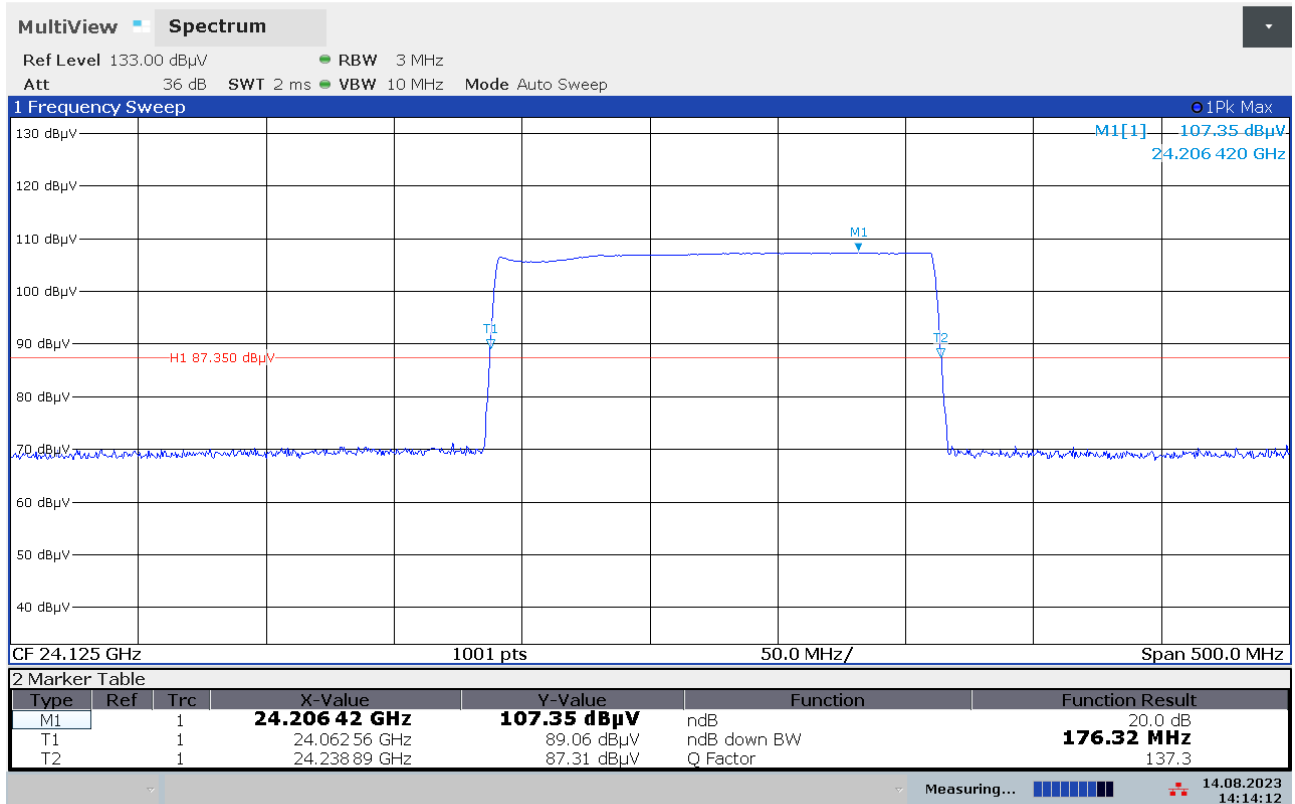
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Forward Phased Array Radar (Omnidirectional)

Horizontal

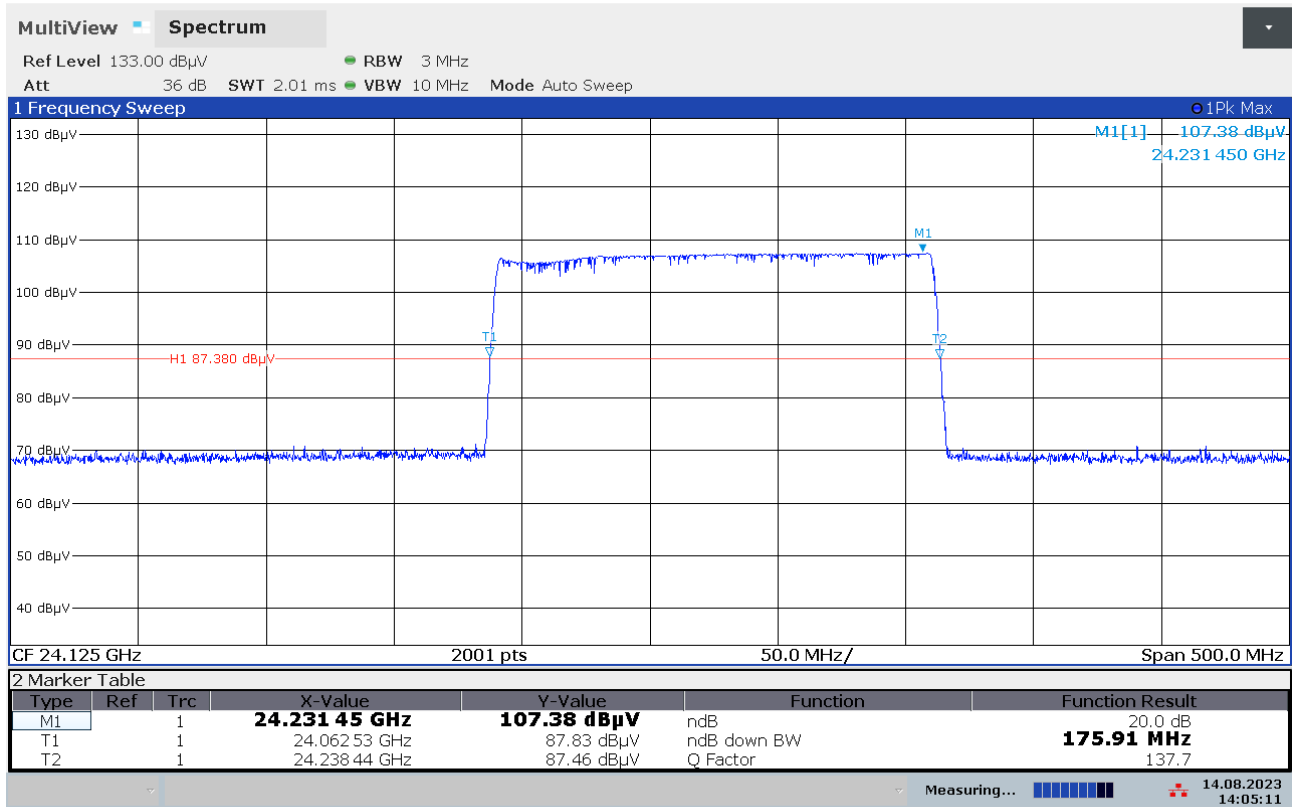


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Vertical



14:05:11 14.08.2023



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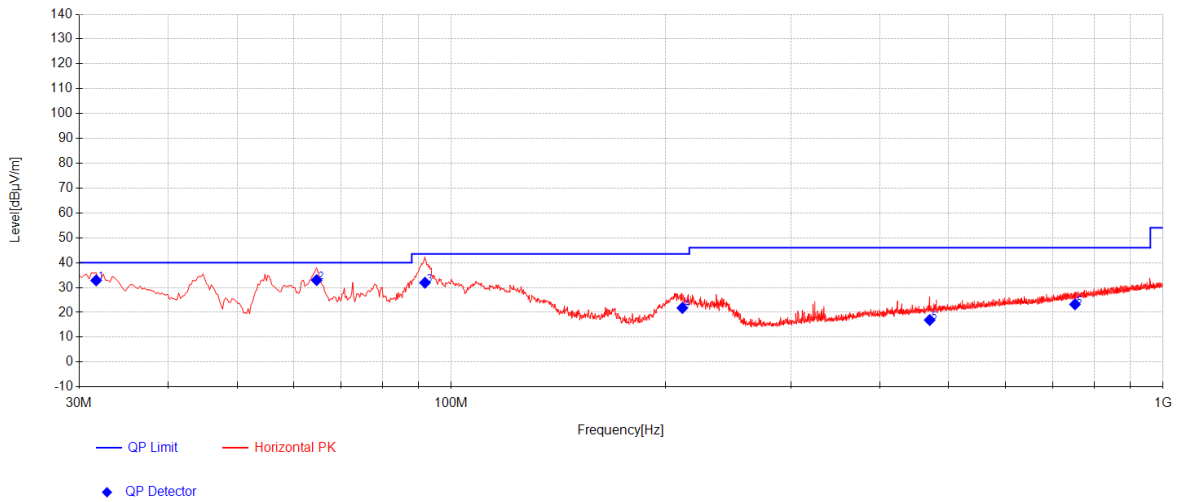
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Filed Strength of Fundamental and Radiation Spurious Emission Rear Phased Array Radar

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	31.6975	48.77	18.10	-34.01	32.87	40.00	7.13	144	294	Horizontal
2	64.6775	48.77	18.00	-33.80	32.97	40.00	7.03	234	358	Horizontal
3	91.8375	50.65	14.85	-33.55	31.94	43.50	11.56	189	44	Horizontal
4	211.1475	57.66	15.81	-32.61	40.86	43.50	2.64	264	120	Horizontal
5	470.1375	41.65	22.77	-31.24	33.18	46.00	12.82	138	1	Horizontal
6	752.165	31.74	27.45	-29.97	29.22	46.00	16.78	158	21	Horizontal



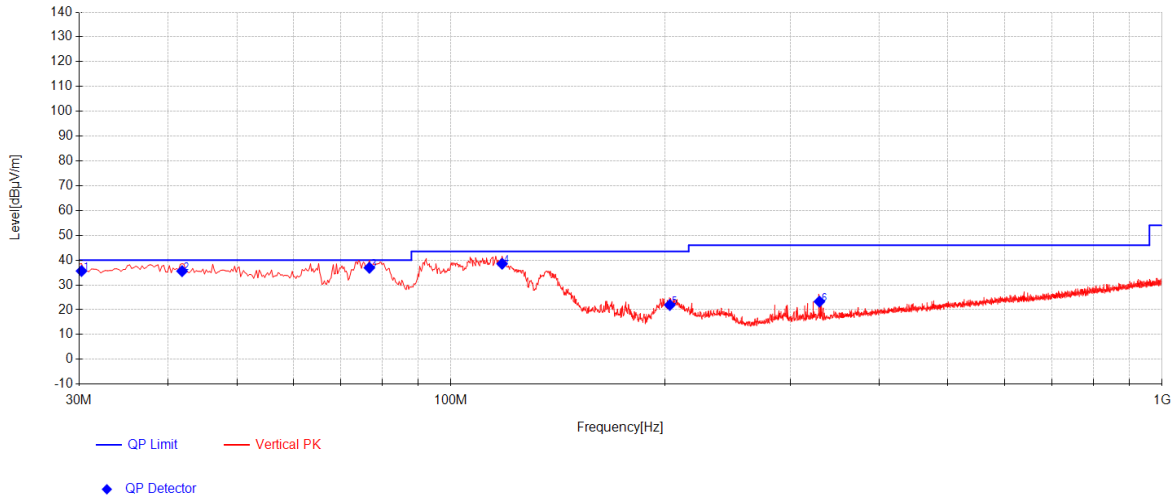
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30M-1G



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	30.2425	51.70	17.93	-34.01	35.62	40.00	4.38	154	10	Vertical
2	41.8825	49.95	19.61	-33.99	35.56	40.00	4.44	253	328	Vertical
3	76.8025	54.78	15.81	-33.68	36.91	40.00	3.09	147	117	Vertical
4	118.0275	54.76	17.12	-33.35	38.53	43.50	4.97	187	50	Vertical
5	203.145	39.23	15.37	-32.69	21.91	43.50	21.59	249	111	Vertical
6	329.73	35.98	19.33	-32.02	23.29	46.00	22.71	155	0	Vertical



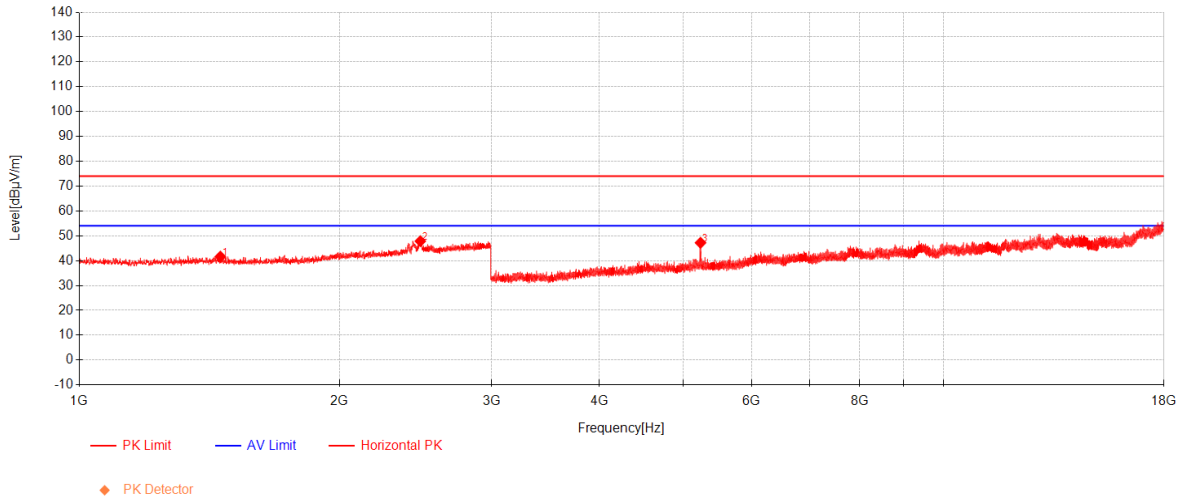
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1G-18G



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	1456.5	42.33	24.96	-25.67	41.62	74.00	32.38	125	3	Horizontal
2	2481.5	41.70	27.36	-21.21	47.85	74.00	26.15	269	197	Horizontal
3	5235.5	58.07	33.15	-44.04	47.19	74.00	26.81	147	9	Horizontal
4	17916.5	44.85	41.10	-30.13	55.82	74.00	18.18	144	140	Horizontal
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
4	17916.5	35.85	41.10	-30.13	46.82	54.00	7.18	144	140	Horizontal

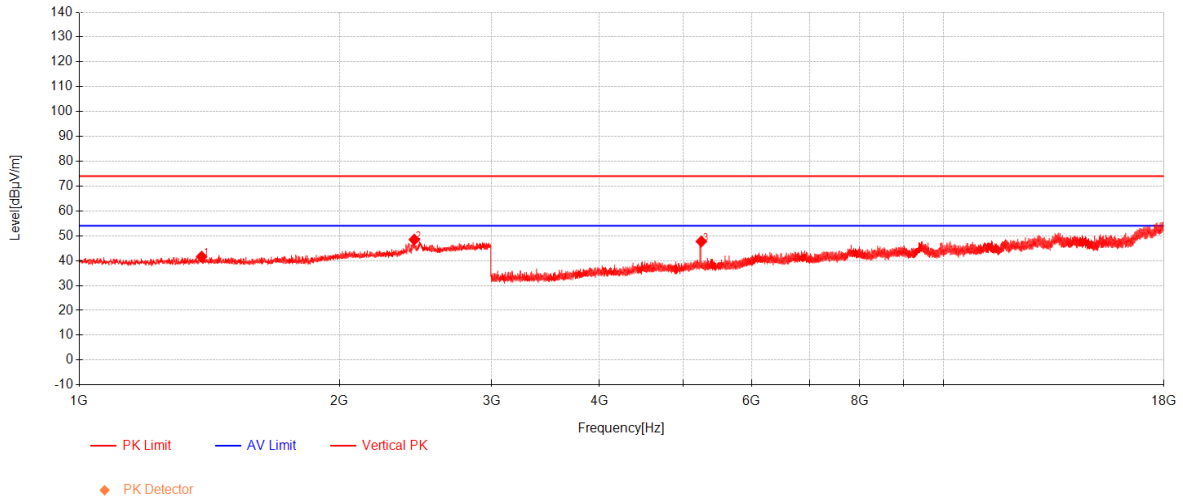


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1G-18G



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	1385.5	42.45	25.11	-25.96	41.60	74.00	32.40	114	72	Vertical
2	2442	43.04	27.27	-21.84	48.47	74.00	25.53	236	227	Vertical
3	5247	58.64	33.15	-44.06	47.73	74.00	26.27	187	24	Vertical
4	17932.5	44.43	41.14	-30.06	55.51	74.00	18.49	298	12	Vertical
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
4	17932.5	35.69	41.14	-30.06	46.77	54.00	7.23	298	12	Vertical



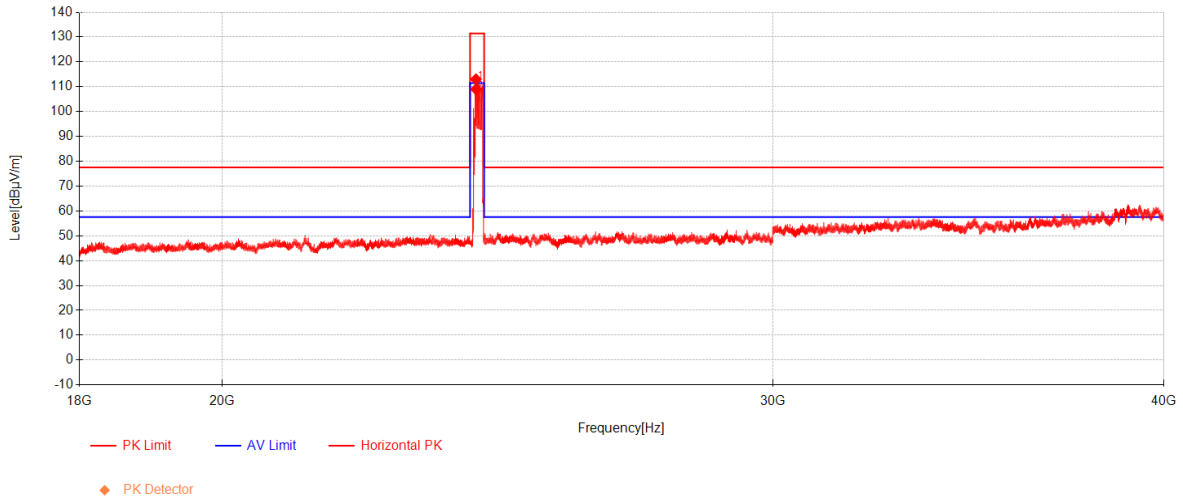
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18G-40G



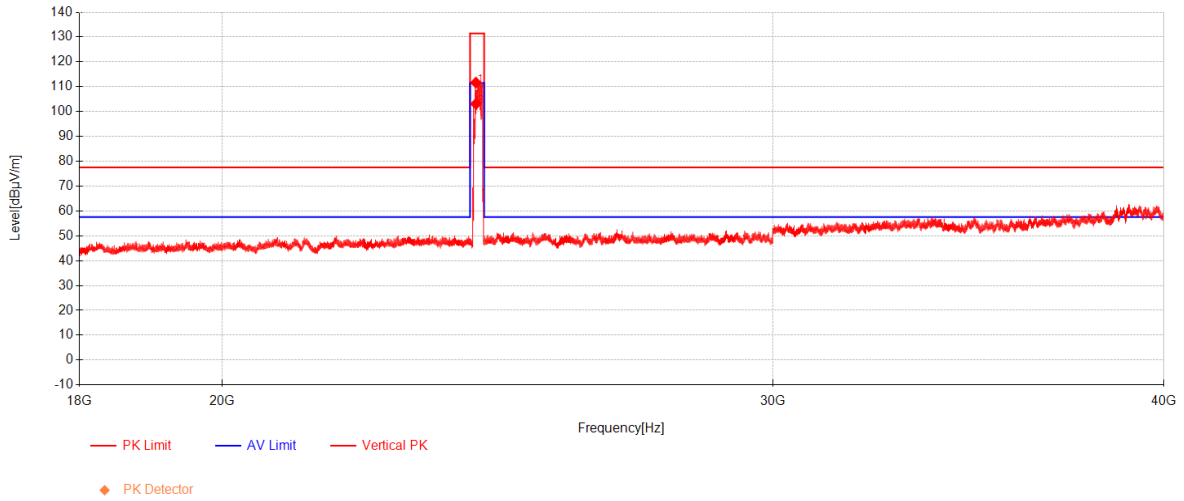
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NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24105	110.34	38.14	113.00	-35.49	131.48	18.48	157	184	Horizontal
2	24105	106.33	38.14	108.99	-35.49	111.48	2.49	157	184	Horizontal



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18G-40G



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	24104.5	109.01	38.14	111.65	-35.50	131.48	19.83	156	178	Vertical
2	24105	100.45	38.14	103.11	-35.49	111.48	8.37	132	162	Vertical

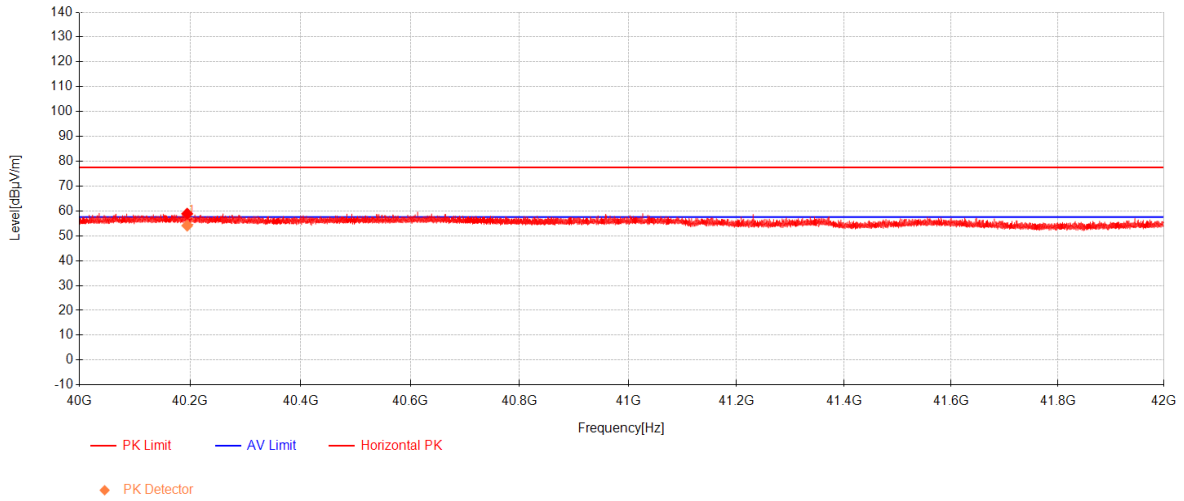


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40G-42G



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	40194.6667	51.14	43.49	-35.76	58.87	77.52	18.65	156	270	Horizontal
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40194.6667	46.37	43.49	-35.76	54.10	57.52	3.42	156	270	Horizontal



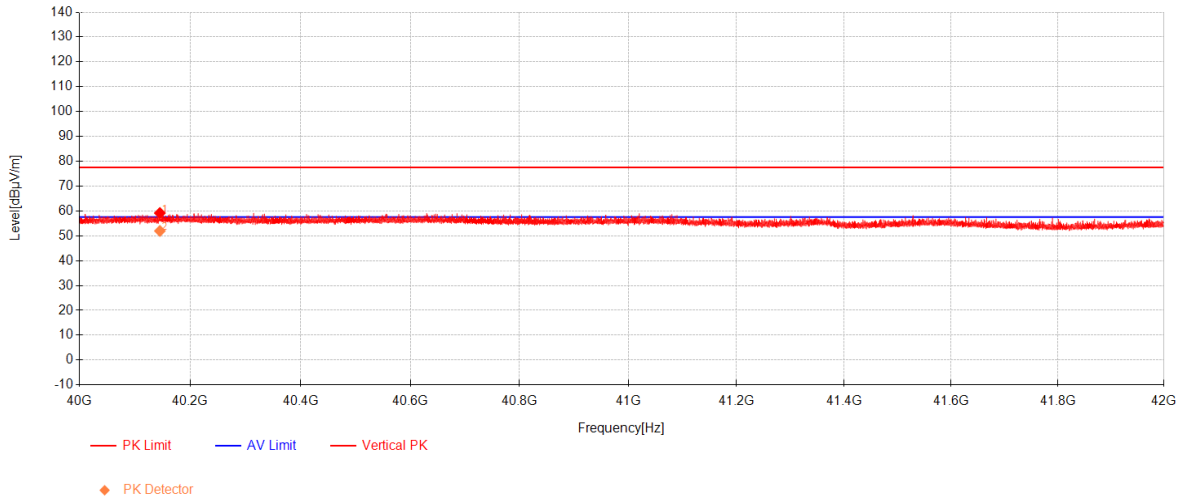
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40G-42G



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	40145.3333	51.45	43.47	-35.77	59.15	77.52	18.37	157	80	Vertical
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40145.3333	44.26	43.47	-35.77	51.96	57.52	5.56	157	80	Vertical



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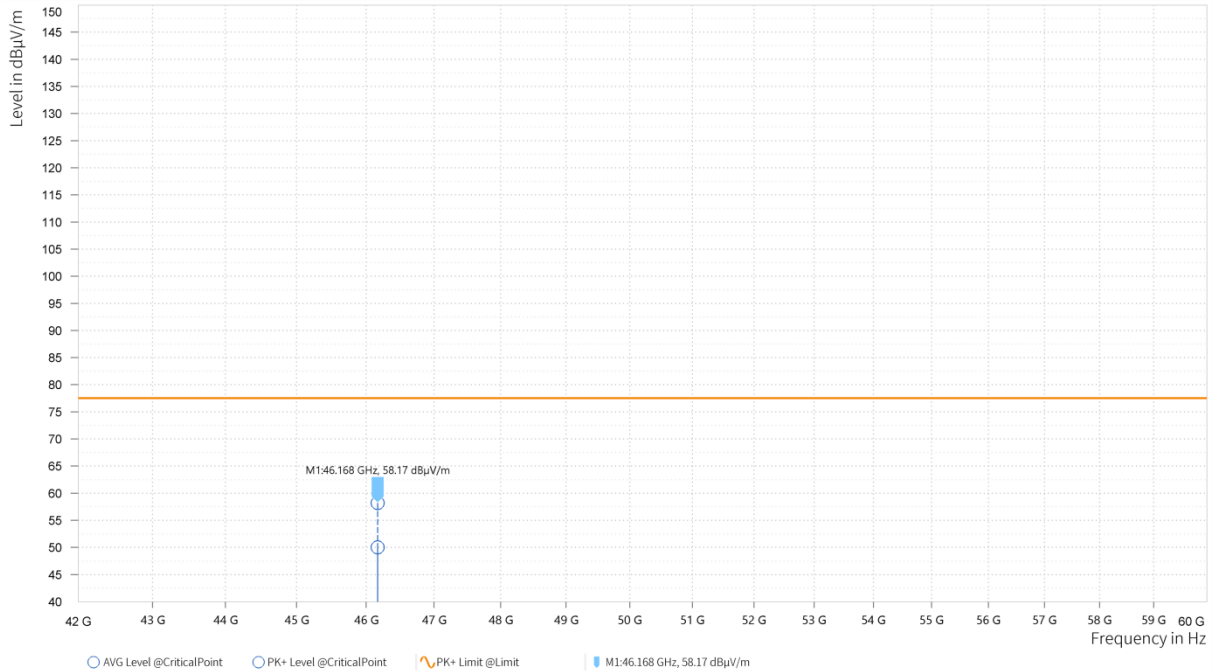
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Harmonic

42-60G



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
1	46,168.000	58.17	77.52	19.35	50.01	57.52	7.51	57.65	H



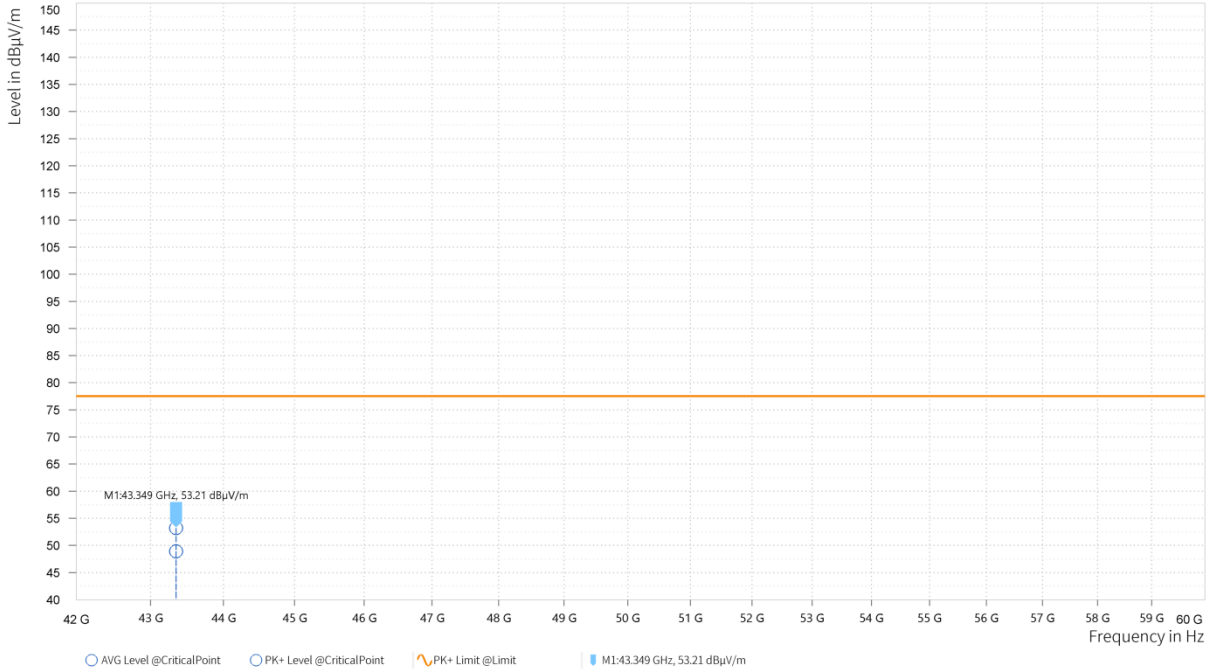
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42-60G



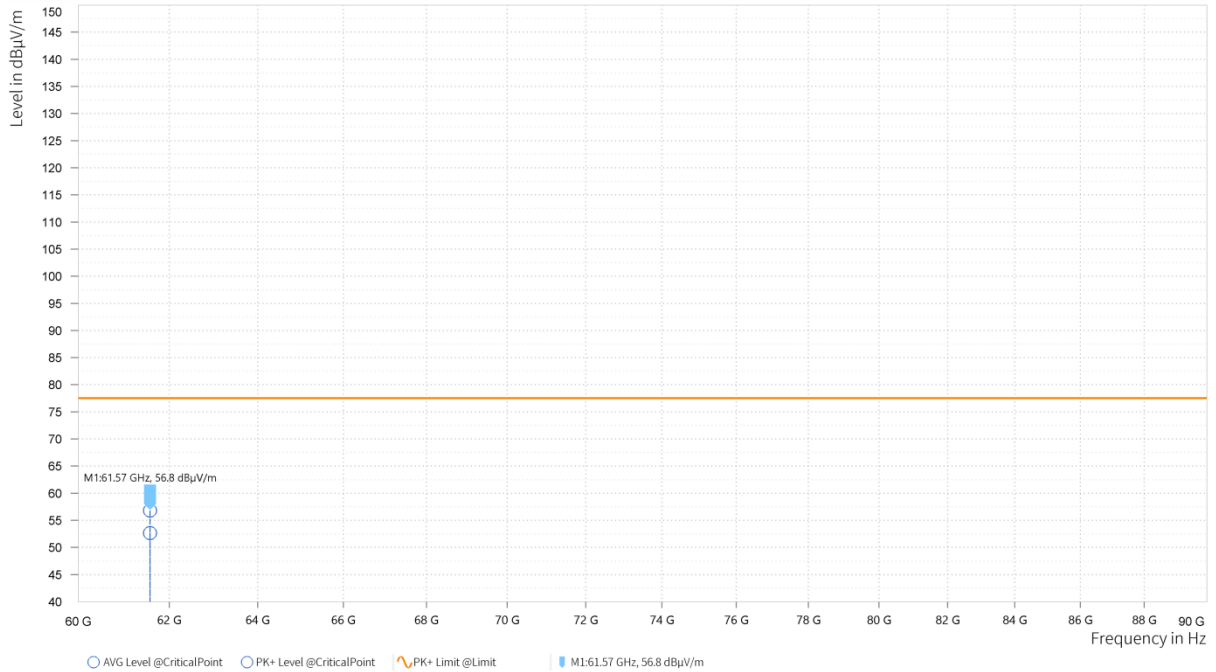
Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization
1	43,348.500	53.21	77.52	24.31	48.93	57.52	8.59	53.46	V



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60-90G



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
1	61,570.000	56.80	77.52	20.72	52.67	57.52	4.85	53.58	H

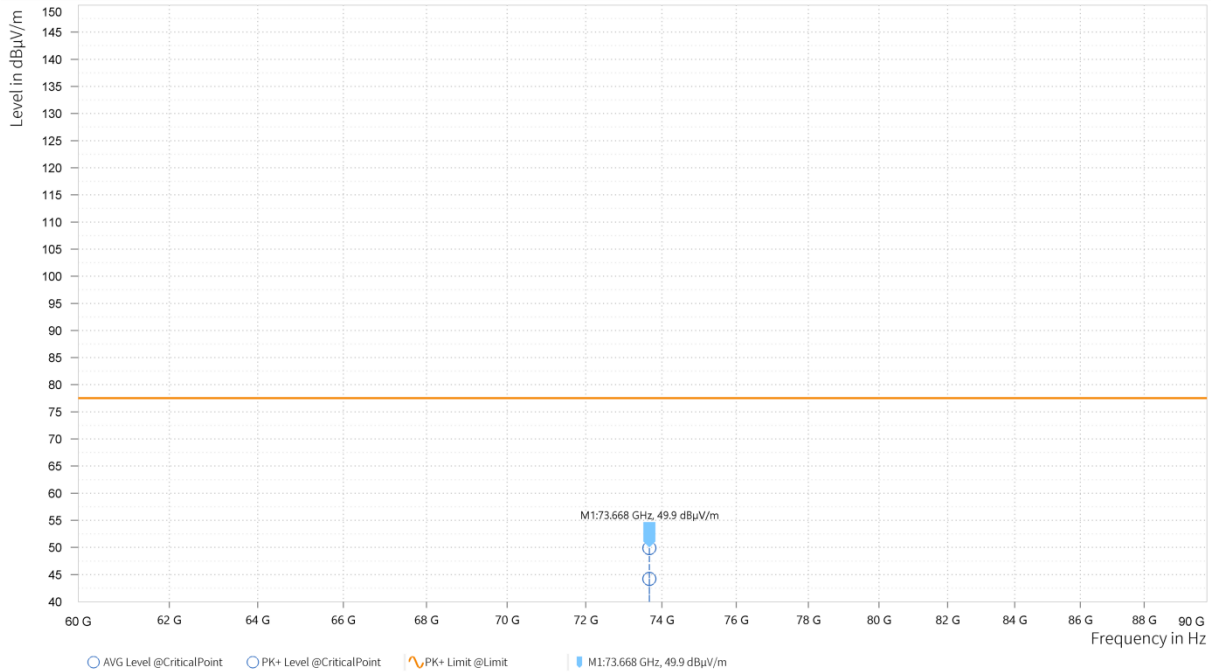


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60-90G



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
1	73,668.000	49.90	77.52	27.62	44.18	57.52	13.34	47.99	V

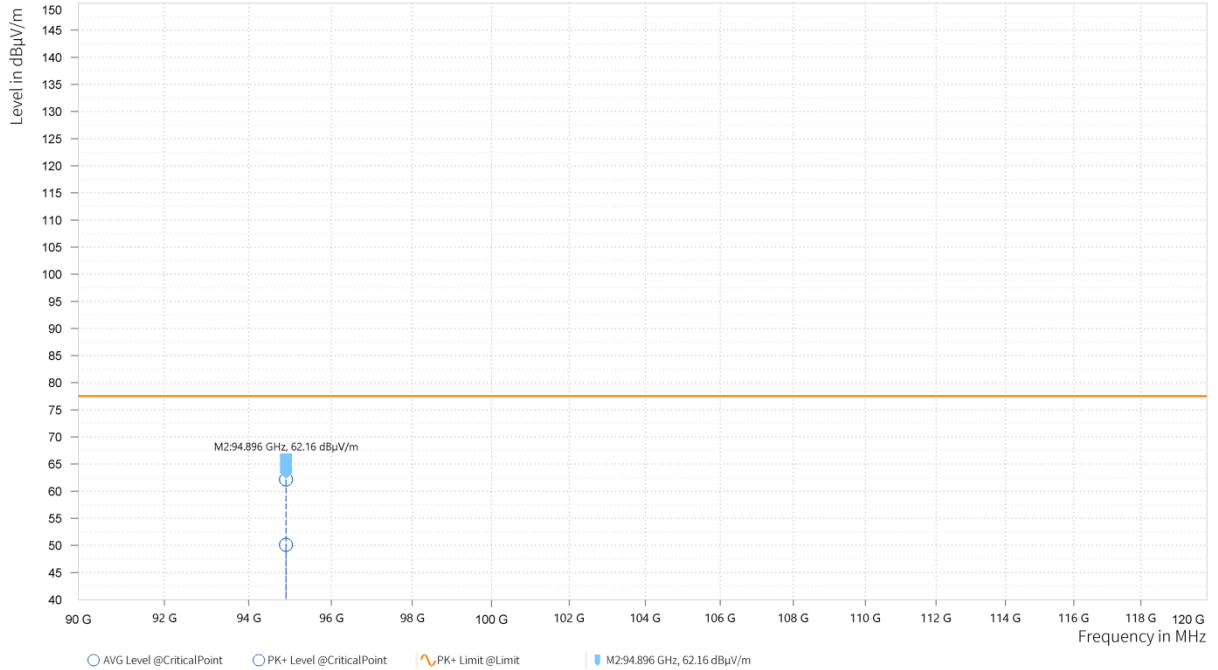


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90-120G



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
1	94,895.520	62.16	77.52	15.36	50.12	57.52	7.40	57.62	H

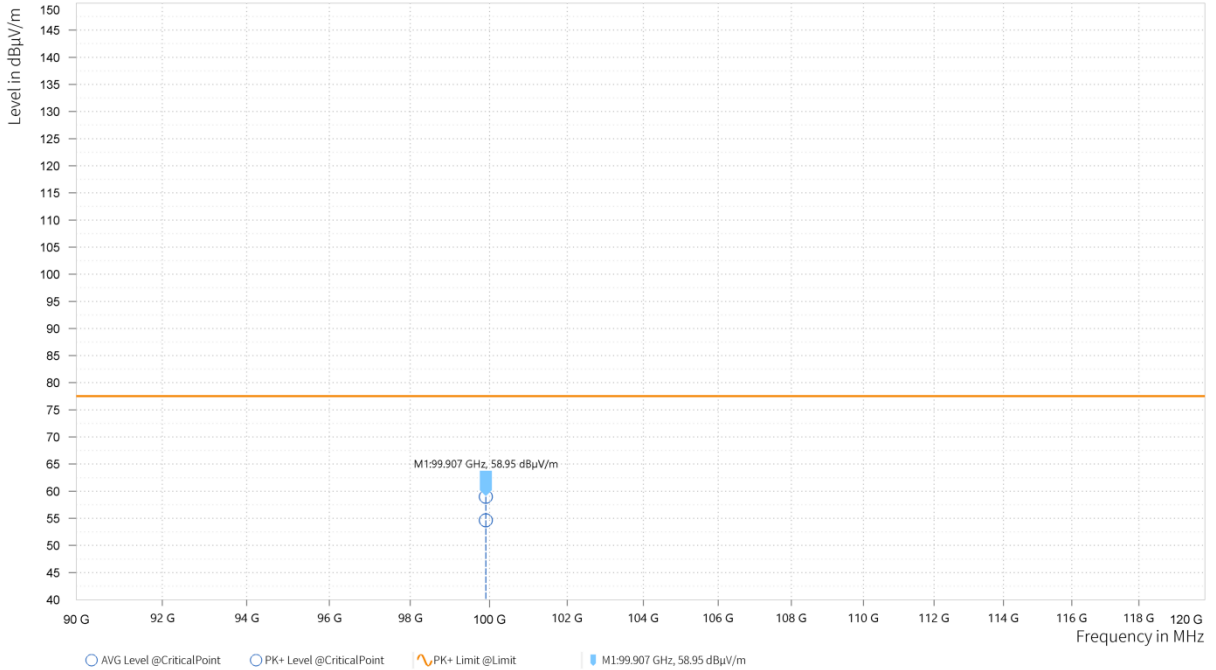


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90-120G



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
1	99,906.720	58.95	77.52	18.57	48.23	57.52	9.29	57.98	V



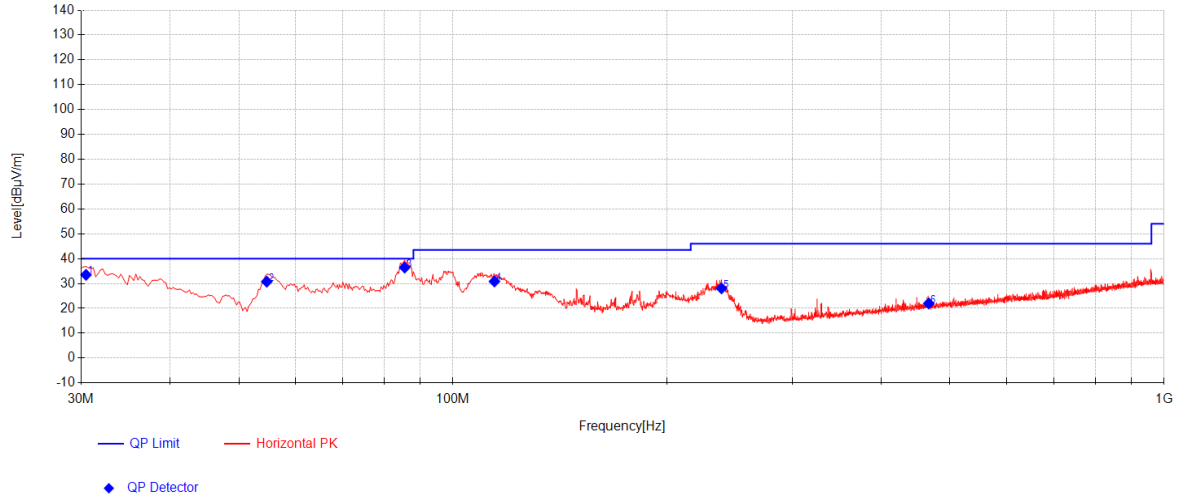
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Forward Phased Array Radar (Single board)

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	30.485	49.54	17.96	-34.01	33.49	40.00	6.51	154	327	Horizontal
2	54.735	45.66	19.01	-33.92	30.75	40.00	9.25	223	21	Horizontal
3	85.5325	55.10	14.92	-33.61	36.42	40.00	3.58	189	360	Horizontal
4	114.39	47.41	16.80	-33.37	30.84	43.50	12.66	246	337	Horizontal
5	238.55	43.33	17.23	-32.50	28.06	46.00	17.94	152	338	Horizontal
6	466.7425	30.50	22.70	-31.23	21.97	46.00	24.03	147	360	Horizontal

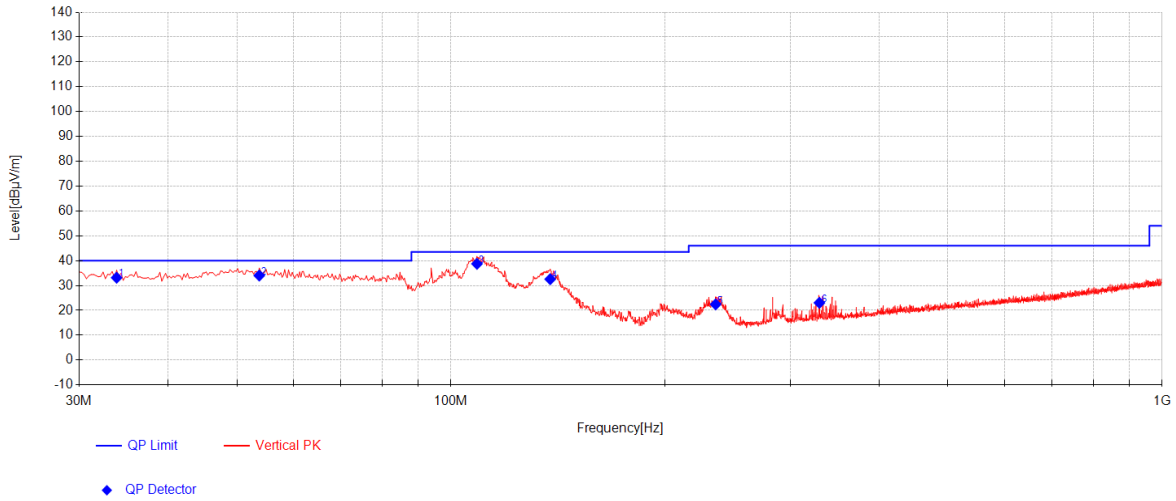


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30M-1G



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	33.88	48.78	18.37	-34.00	33.14	40.00	6.86	245	215	Vertical
2	53.765	48.91	19.05	-33.93	34.02	40.00	5.98	112	0	Vertical
3	108.8125	55.84	16.29	-33.40	38.73	43.50	4.77	189	1	Vertical
4	137.9125	47.34	18.46	-33.25	32.55	43.50	10.95	203	338	Vertical
5	235.64	37.84	17.08	-32.51	22.41	46.00	23.59	146	248	Vertical
6	329.73	35.72	19.33	-32.02	23.03	46.00	22.97	287	351	Vertical



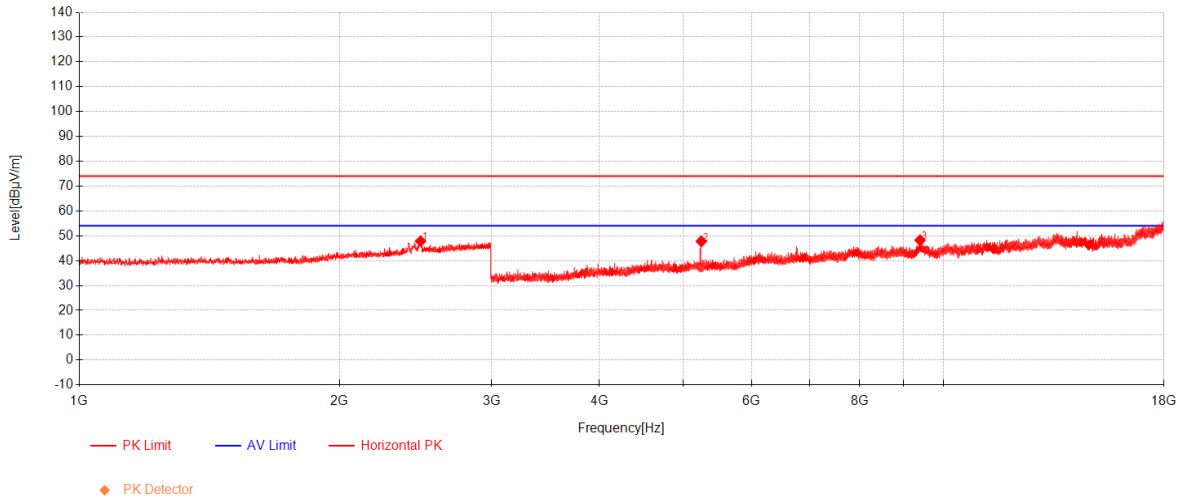
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1G-18G



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	2483	41.68	27.36	-21.18	47.86	74.00	26.14	169	200	Horizontal
2	5246.5	58.68	33.15	-44.06	47.77	74.00	26.23	221	327	Horizontal
3	9398	48.68	37.72	-38.15	48.25	74.00	25.75	157	1	Horizontal
4	17993.5	44.56	41.28	-29.80	56.05	74.00	17.95	189	166	Horizontal
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
4	17993.5	36.44	41.28	-29.80	47.93	54.00	6.07	189	166	Horizontal

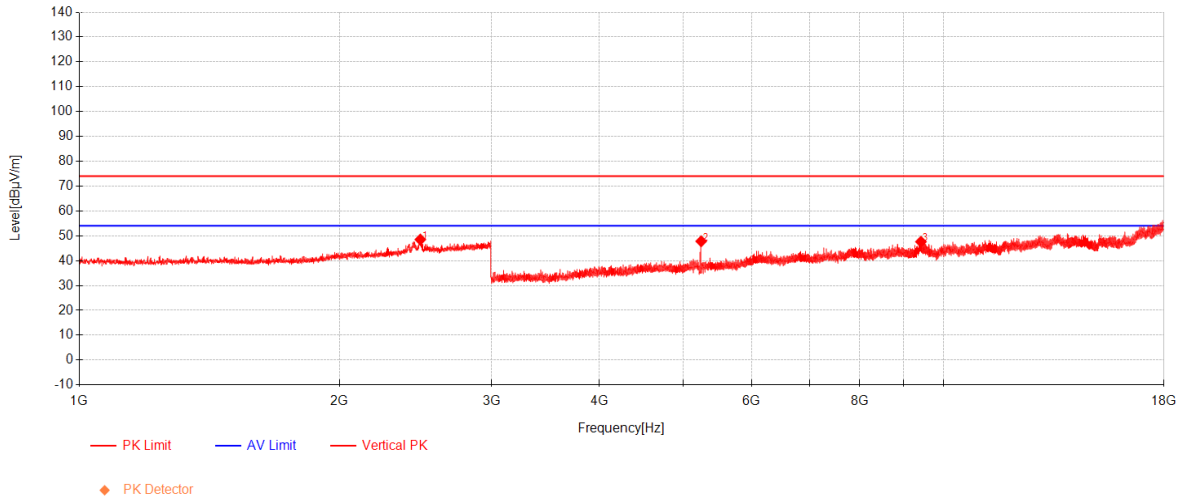


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1G-18G



Data List										
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1	2481.5	42.34	27.36	-21.21	48.49	74.00	25.51	112	296	Vertical
2	5245	58.71	33.15	-44.06	47.80	74.00	26.20	189	9	Vertical
3	9419.5	48.02	37.73	-38.14	47.61	74.00	26.39	264	2	Vertical
4	17972	44.89	41.23	-29.89	56.23	74.00	17.77	158	75	Vertical
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
4	17972	35.68	41.23	-29.89	47.02	54.00	6.98	158	75	Vertical



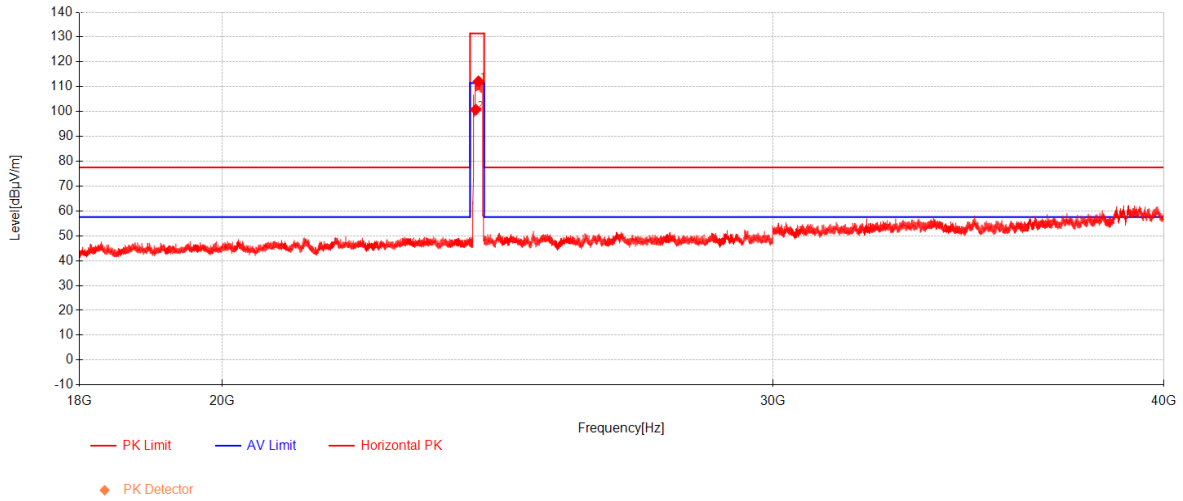
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18G-40G



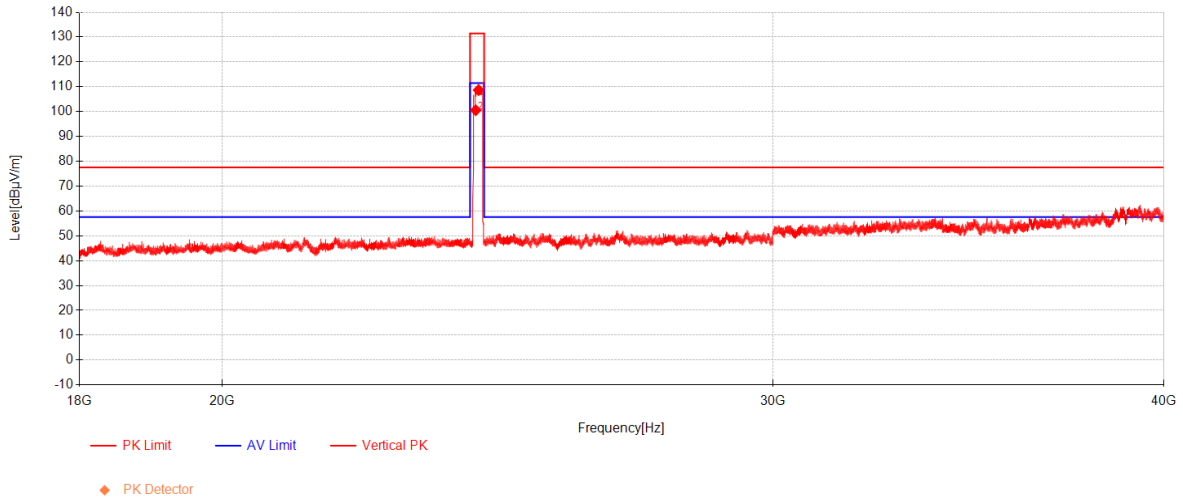
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24150	108.35	38.16	-34.37	112.14	131.48	22.34	156	360	Horizontal
2	24100.5	98.21	38.14	-35.60	100.75	111.48	10.73	246	40	Horizontal



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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	24151	104.90	38.16	-34.39	108.67	131.48	22.81	154	20	Vertical
2	24100.5	98.01	38.14	-35.60	100.55	111.48	10.93	186	90	Vertical

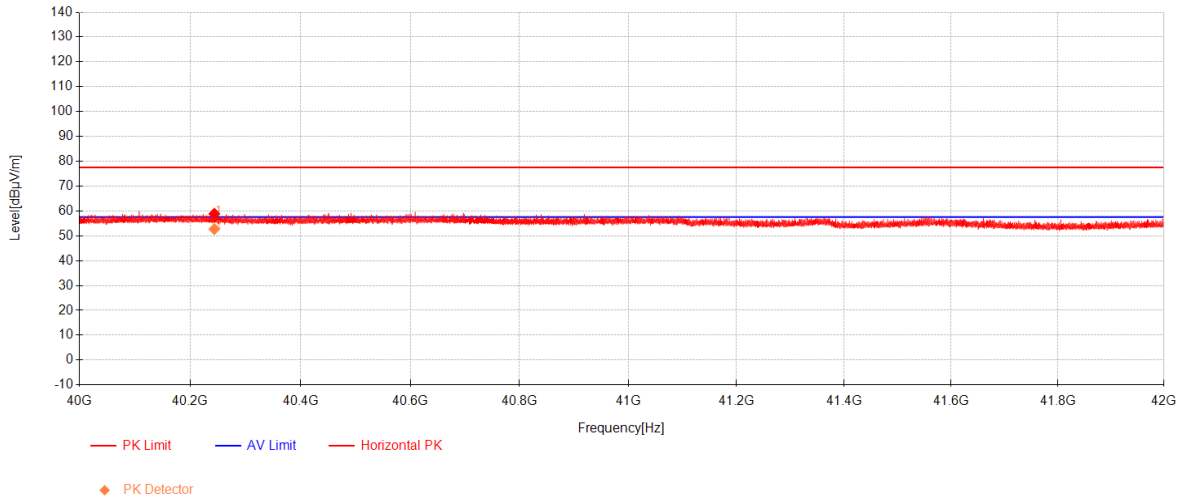


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40G-42G



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	40243.75	51.09	43.51	-35.76	58.84	77.52	18.68	158	100	Horizontal
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40243.75	44.96	43.51	-35.76	52.71	57.52	4.81	158	100	Horizontal



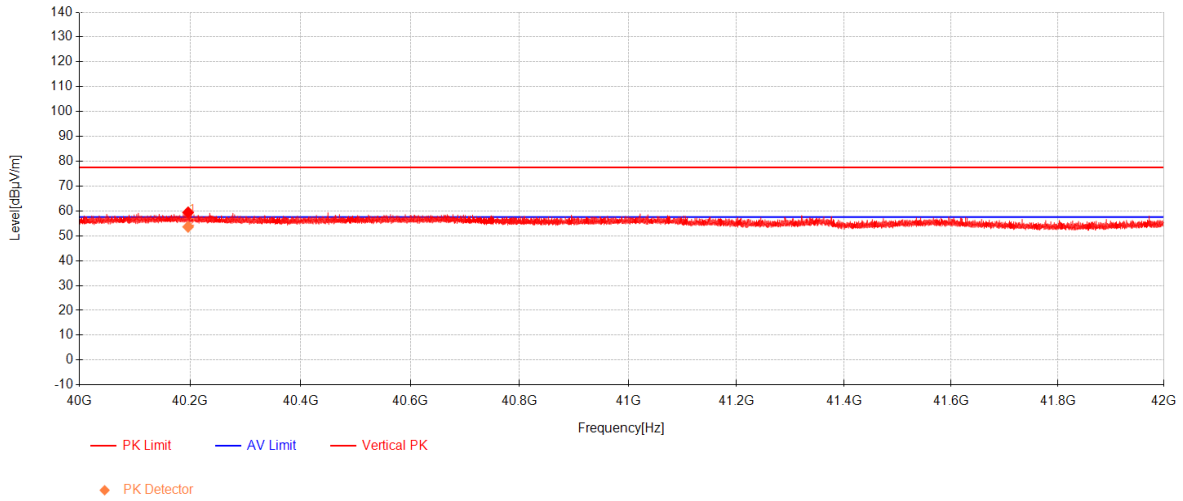
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40G-42G



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	40196.3333	51.66	43.49	-35.76	59.39	77.52	18.13	155	30	Vertical
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40196.3333	45.89	43.49	-35.76	53.62	57.52	3.90	155	30	Vertical



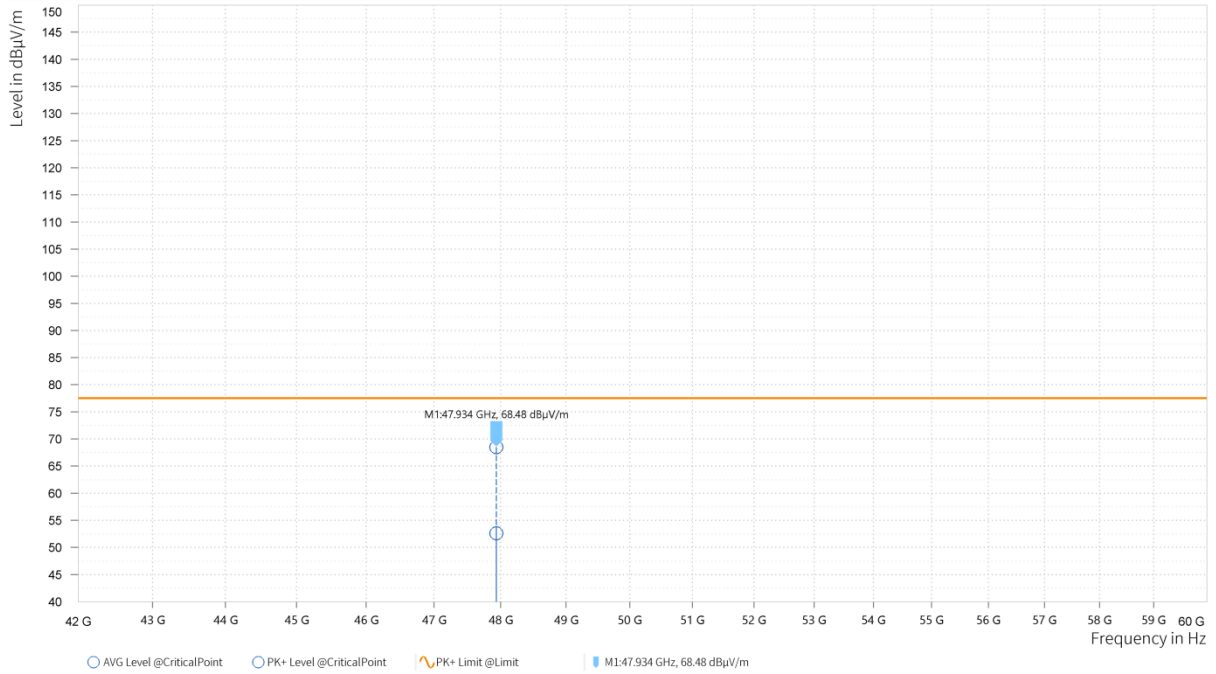
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Harmonic

42-60G



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
1	47,933.500	68.48	77.52	9.04	50.61	57.52	6.91	57.46	H

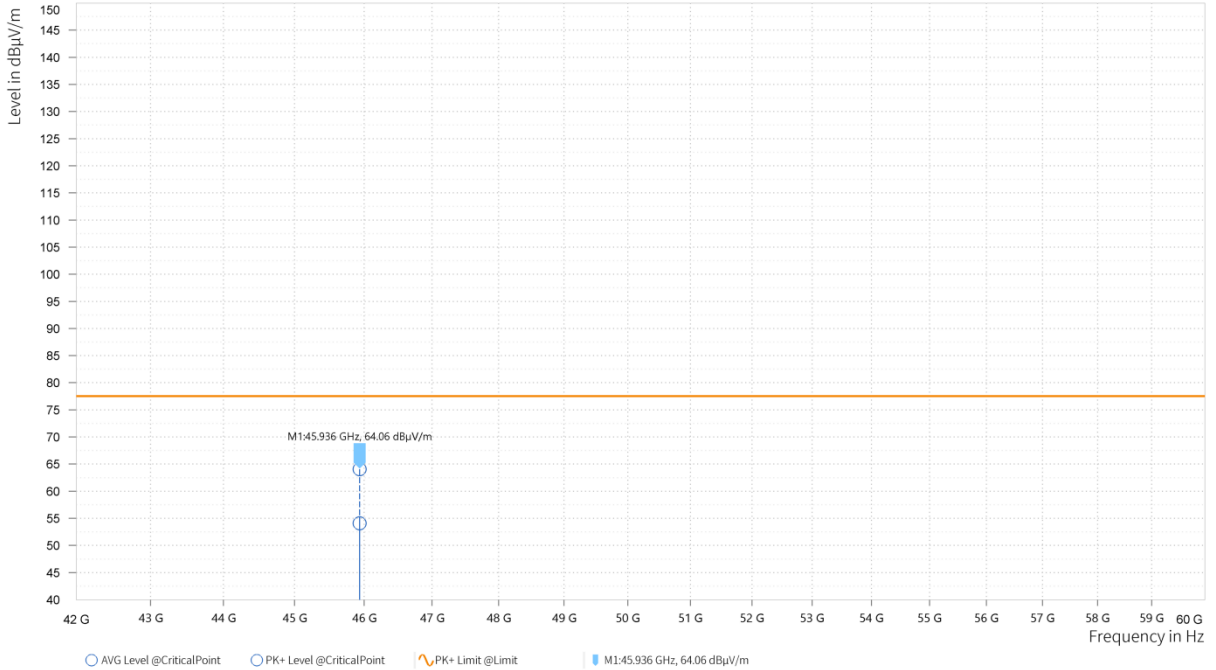


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42-60G



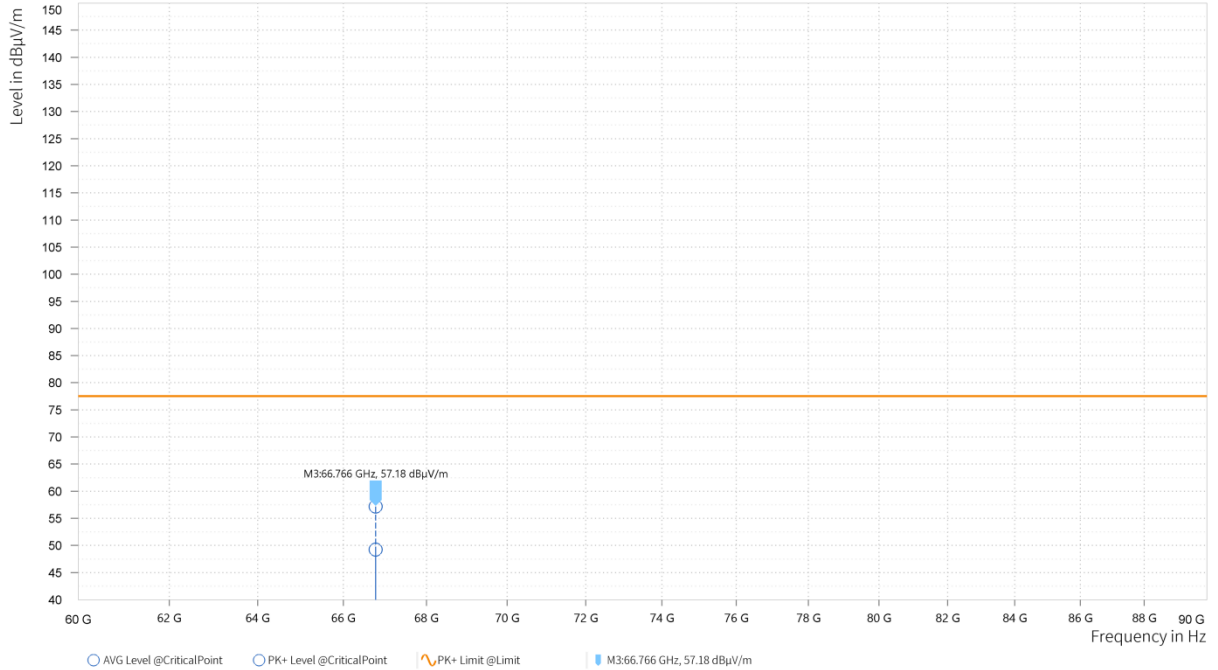
Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization
1	45,936.000	64.06	77.52	13.46	49.67	57.52	7.85	57.09	V



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60-90G



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
1	66,766.000	57.18	77.52	20.34	49.25	57.52	8.27	50.54	H

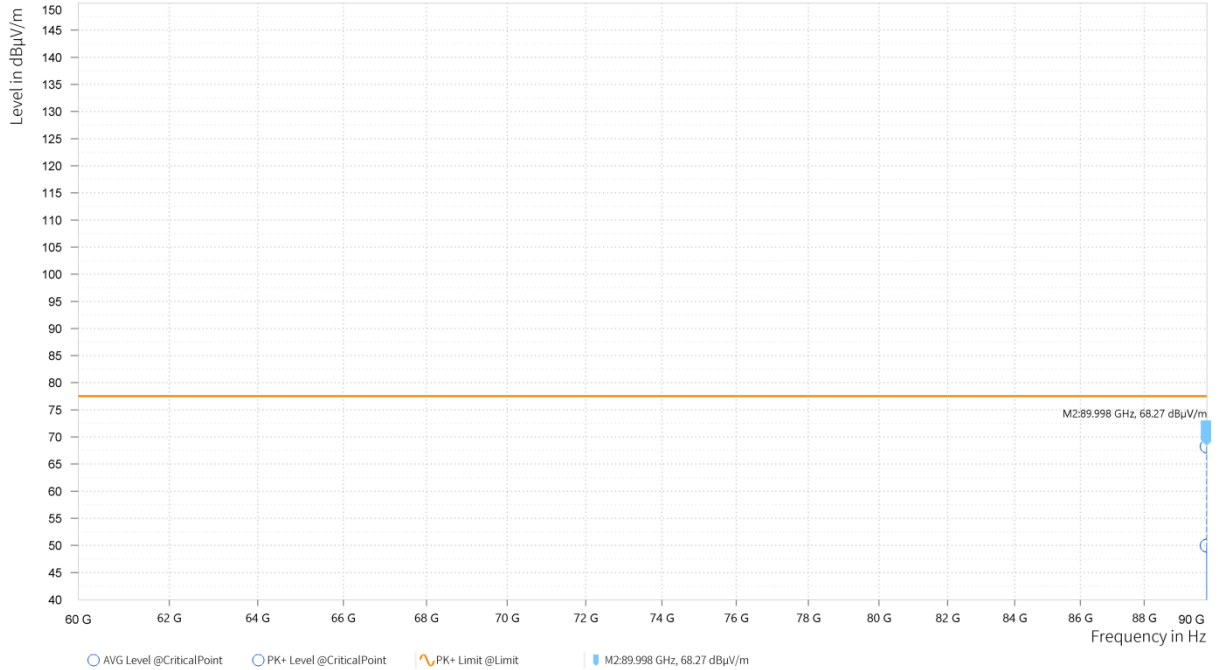


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60-90G



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
1	89,997.500	68.27	77.52	9.25	49.95	57.52	7.57	51.42	V

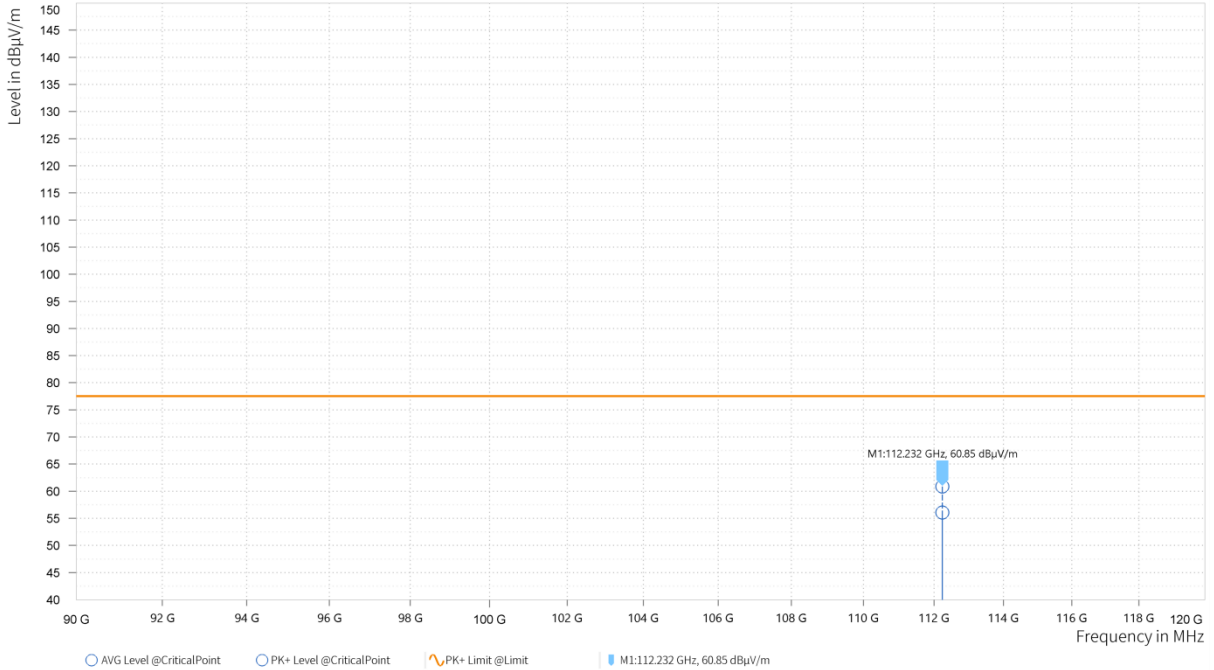


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90-120G



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
1	112,232.160	60.85	77.52	16.67	49.37	57.52	8.15	58.24	H



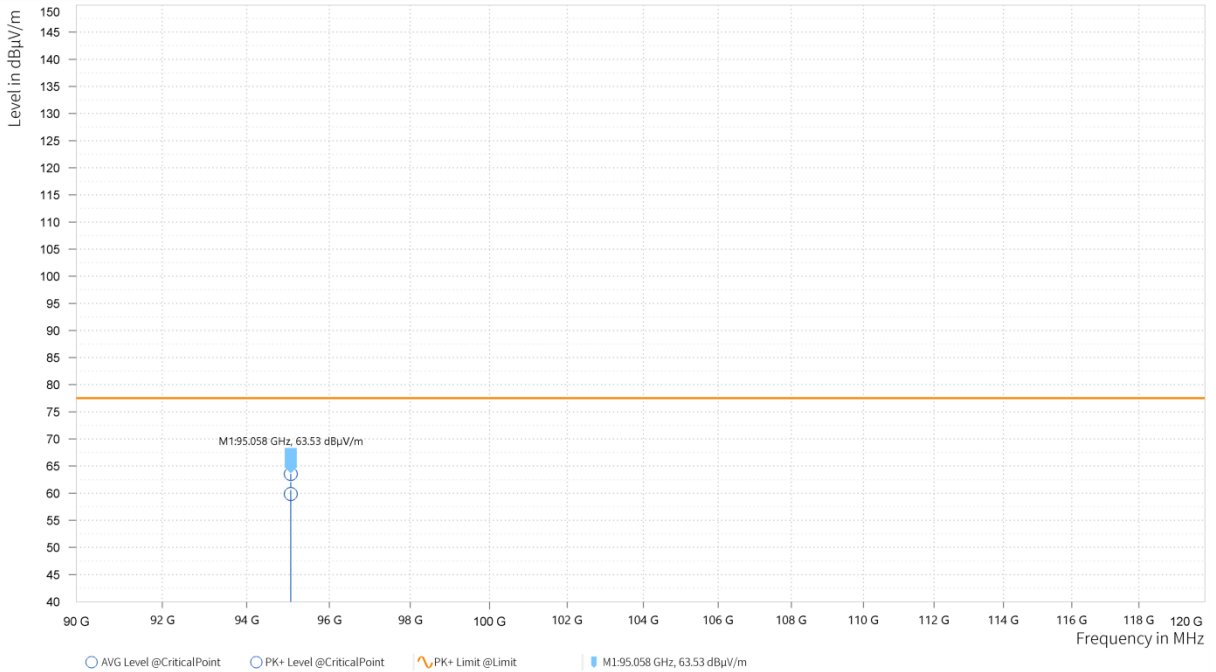
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90-120G



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
1	95,058.240	63.53	77.52	13.99	49.86	57.52	7.66	57.69	V



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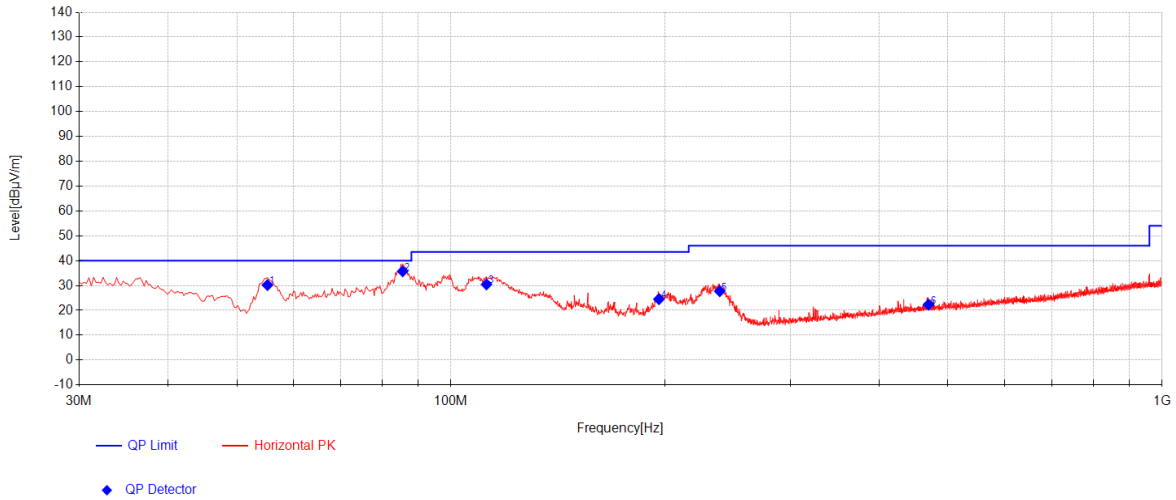
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Forward Phased Array Radar (Omnidirectional)

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	55.22	45.12	18.99	-33.92	30.19	40.00	9.81	255	80	Horizontal
2	85.5325	54.38	14.92	-33.61	35.70	40.00	4.30	146	34	Horizontal
3	112.2075	47.23	16.60	-33.38	30.45	43.50	13.05	234	326	Horizontal
4	196.1125	41.81	15.45	-32.76	24.50	43.50	19.00	148	125	Horizontal
5	238.7925	42.98	17.24	-32.50	27.72	46.00	18.28	247	360	Horizontal
6	469.41	30.77	22.76	-31.24	22.29	46.00	23.71	112	338	Horizontal



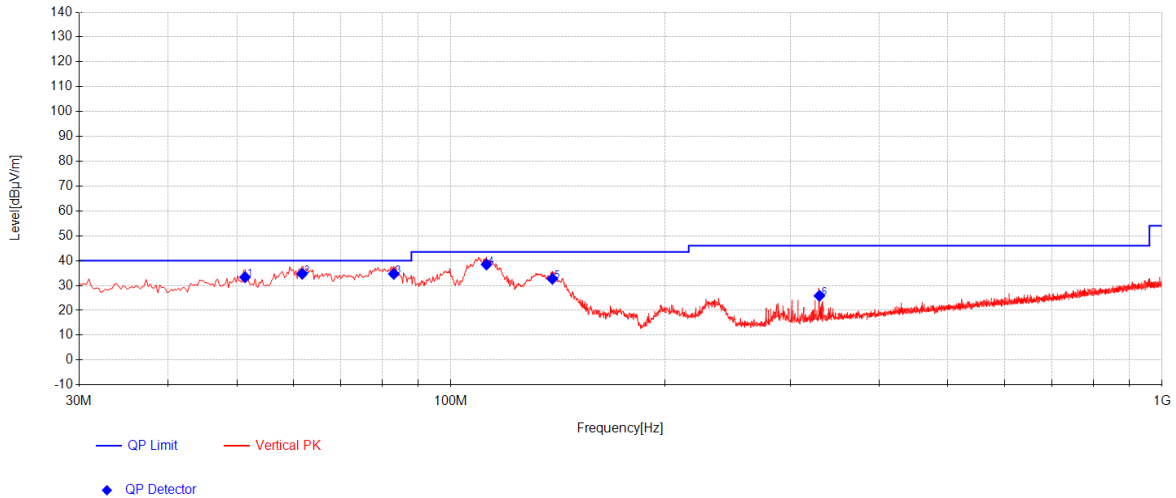
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30M-1G



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	51.34	48.16	19.15	-33.96	33.34	40.00	6.66	125	360	Vertical
2	61.7675	50.05	18.50	-33.84	34.71	40.00	5.29	246	360	Vertical
3	83.1075	53.26	15.04	-33.63	34.68	40.00	5.32	152	359	Vertical
4	112.2075	55.23	16.60	-33.38	38.45	43.50	5.05	188	360	Vertical
5	138.8825	47.41	18.53	-33.25	32.69	43.50	10.81	246	23	Vertical
6	329.73	38.55	19.33	-32.02	25.86	46.00	20.14	153	23	Vertical

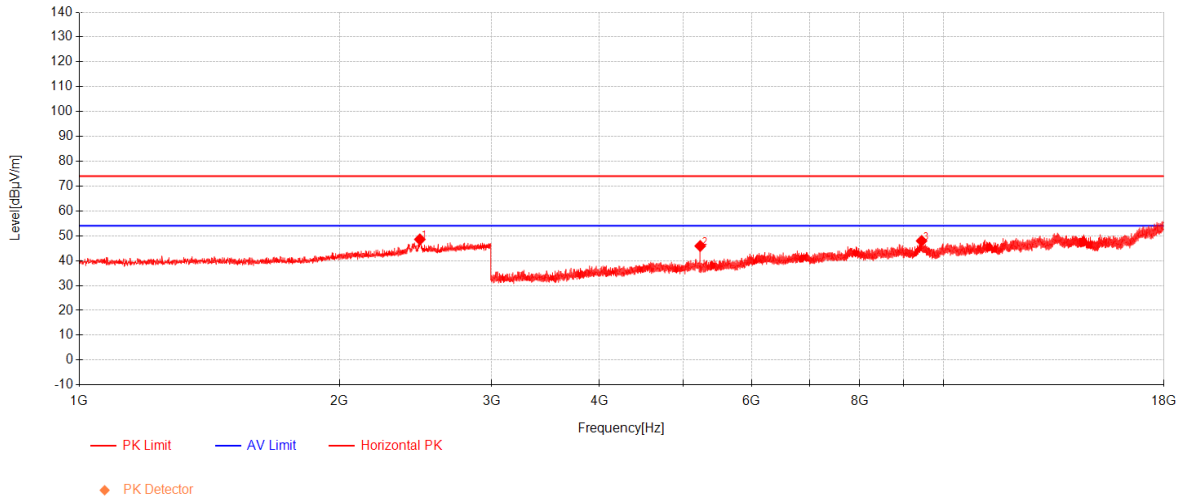


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1G-18G



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	2478.5	42.45	27.35	-21.26	48.55	74.00	25.45	154	359	Horizontal
2	5231.5	56.77	33.15	-44.03	45.90	74.00	28.10	269	113	Horizontal
3	9436	48.33	37.73	-38.12	47.94	74.00	26.06	158	272	Horizontal
4	17985.5	44.61	41.27	-29.83	56.04	74.00	17.96	165	357	Horizontal
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
4	17985.5	36.56	41.27	-29.83	47.99	54.00	6.01	165	357	Horizontal

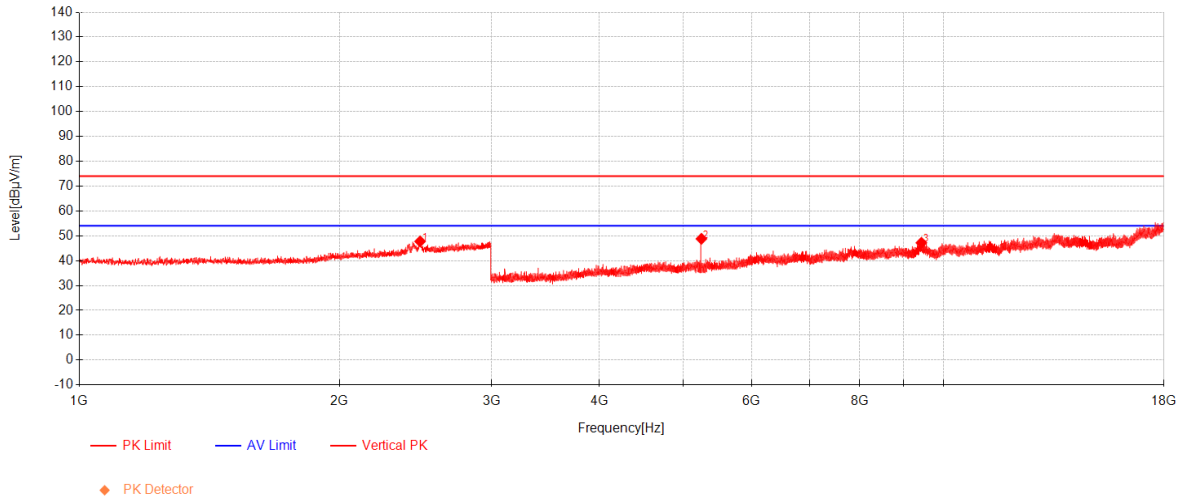


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1G-18G



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	2480	41.63	27.36	-21.23	47.75	74.00	26.25	254	360	Vertical
2	5248	59.71	33.15	-44.07	48.80	74.00	25.20	169	343	Vertical
3	9430	47.59	37.73	-38.13	47.19	74.00	26.81	143	291	Vertical
4	17621.5	45.90	40.39	-30.94	55.36	74.00	18.64	198	20	Vertical
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
4	17621.5	37.87	40.39	-30.94	47.33	54.00	6.67	198	20	Vertical

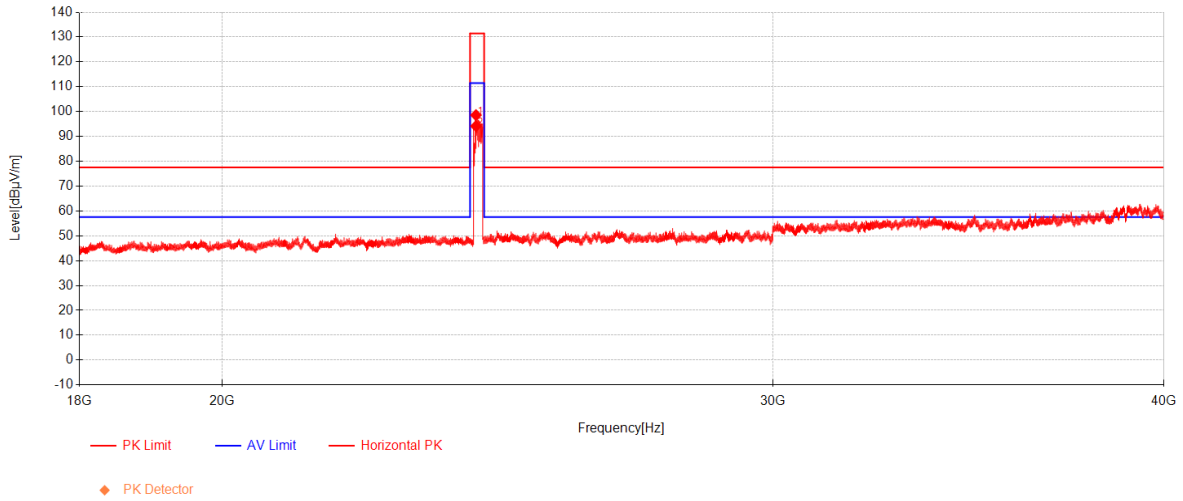


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18G-40G



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	24105	95.91	38.14	-35.49	98.57	131.48	32.91	234	310	Horizontal
2	24105	91.49	38.14	-35.49	94.15	111.48	17.33	234	310	Horizontal

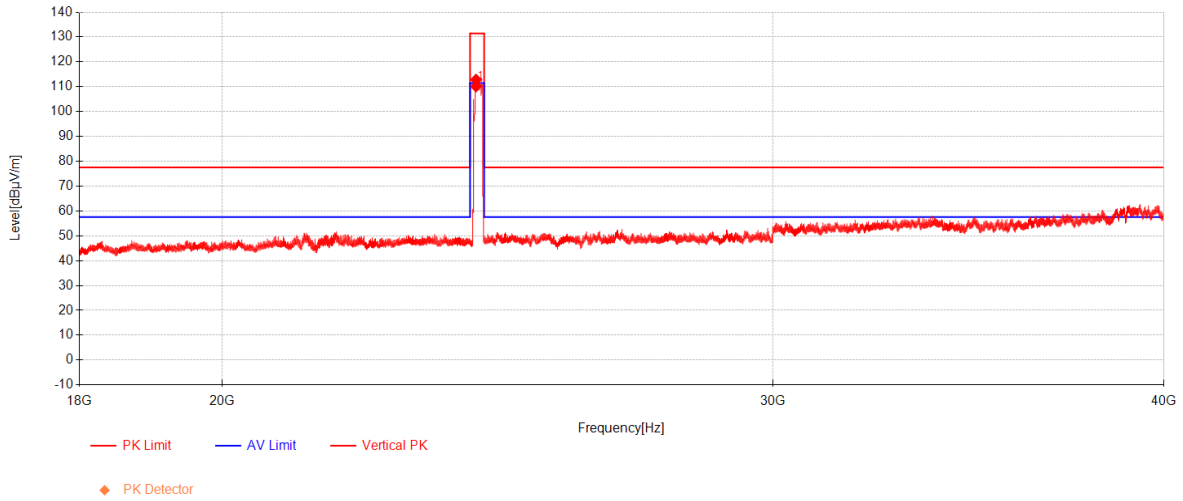


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18G-40G



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	24105.5	110.17	38.14	-35.47	112.84	131.48	18.64	224	20	Vertical
2	24105	107.46	38.14	-35.49	110.12	111.48	1.36	155	350	Vertical

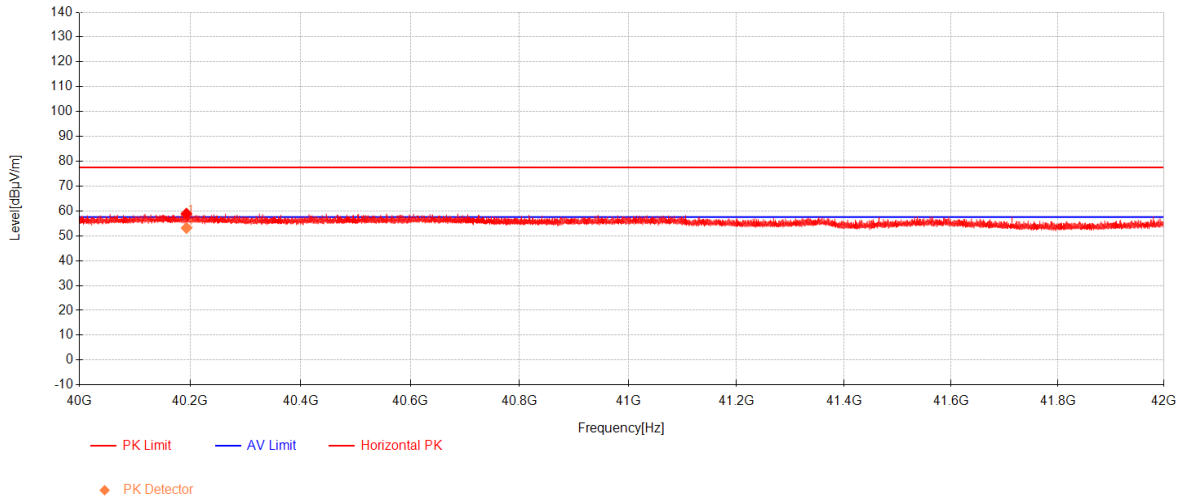


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40G-42G



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	40193.3333	51.15	43.49	-35.76	58.87	77.52	18.65	152	320	Horizontal
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40193.3333	45.43	43.49	-35.76	53.15	57.52	4.37	152	320	Horizontal

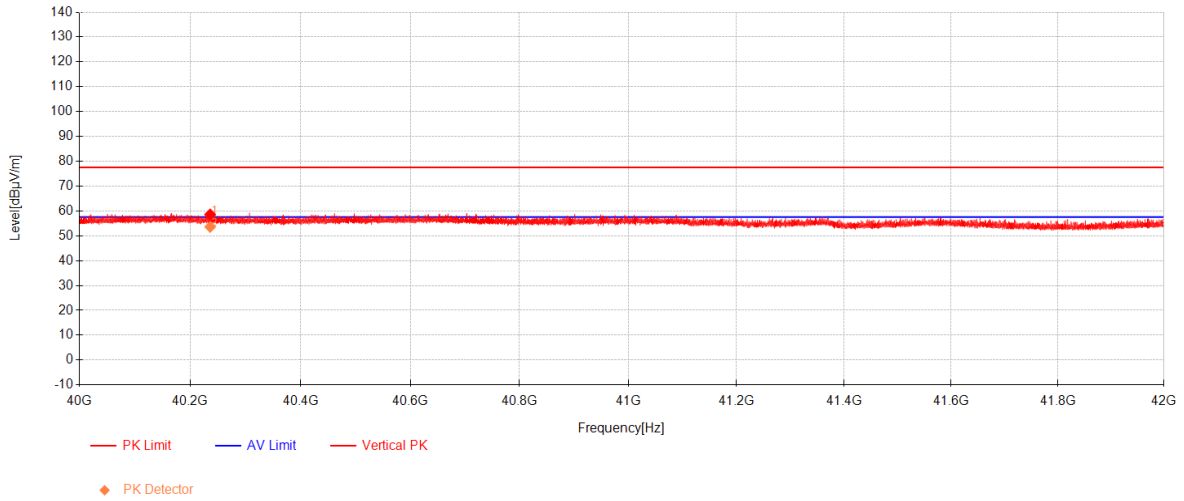


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40G-42G



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	40236.25	50.80	43.51	-35.76	58.55	77.52	18.97	156	270	Vertical
NO.	Frequency [MHz]	AV Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Level [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40236.25	45.85	43.51	-35.76	53.60	57.52	3.92	156	270	Vertical



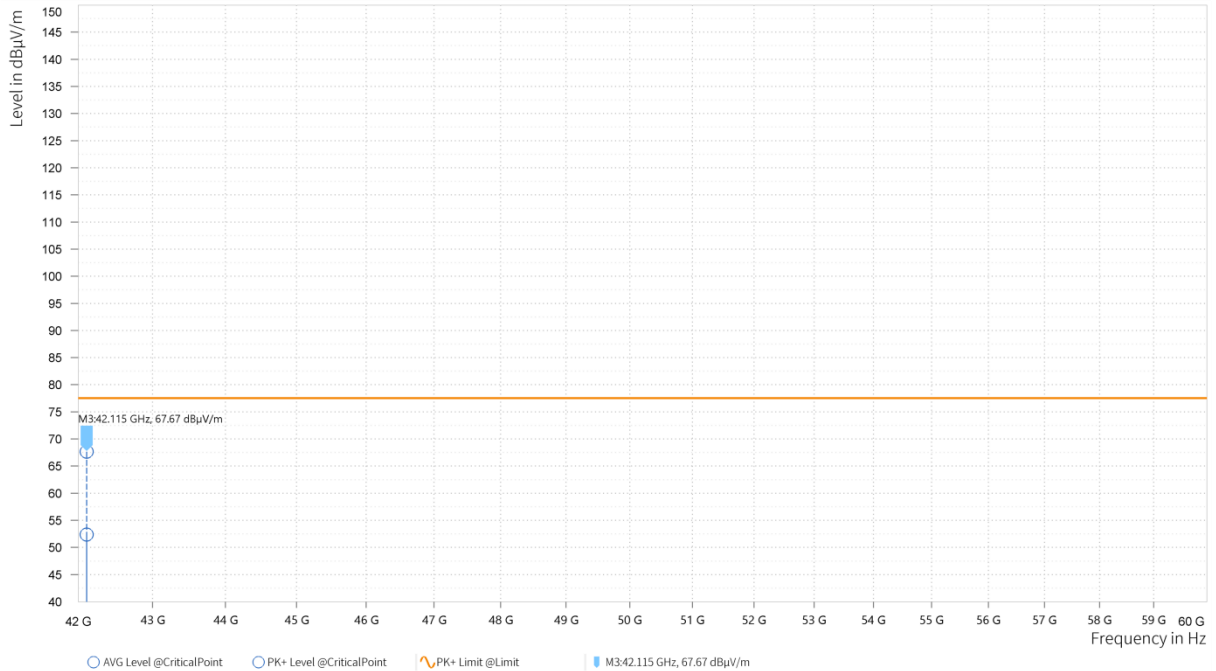
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Harmonic

42-60G



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
1	42,114.500	67.67	77.52	9.85	52.39	57.52	5.13	54.83	H

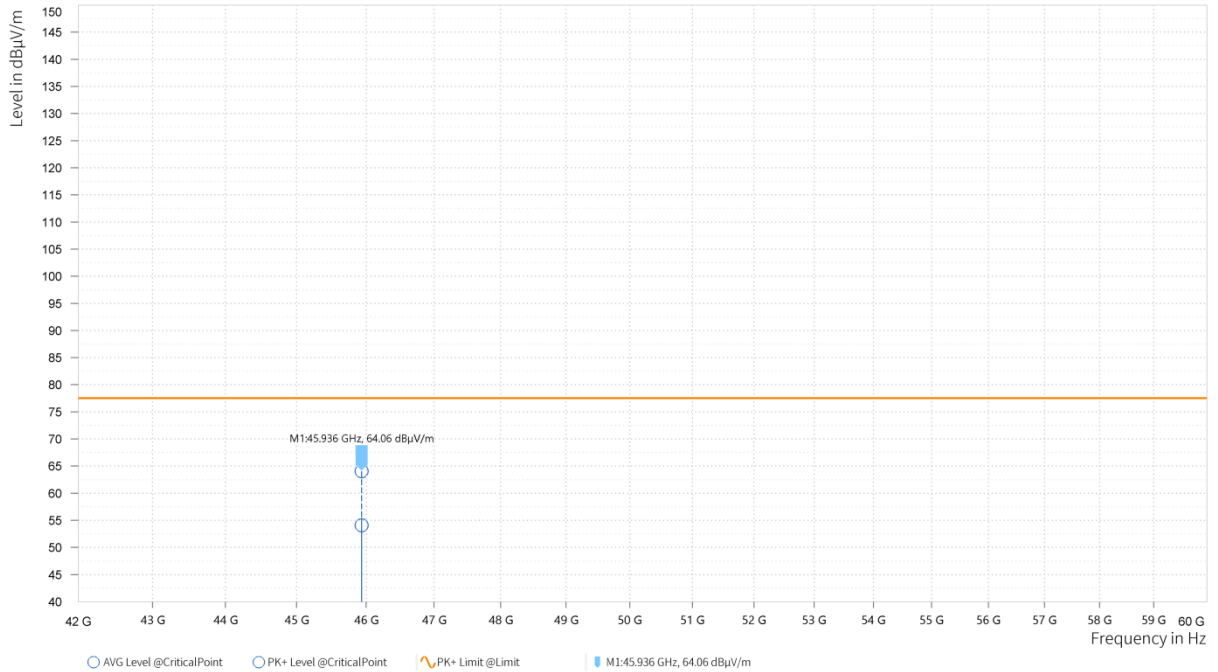


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42-60G



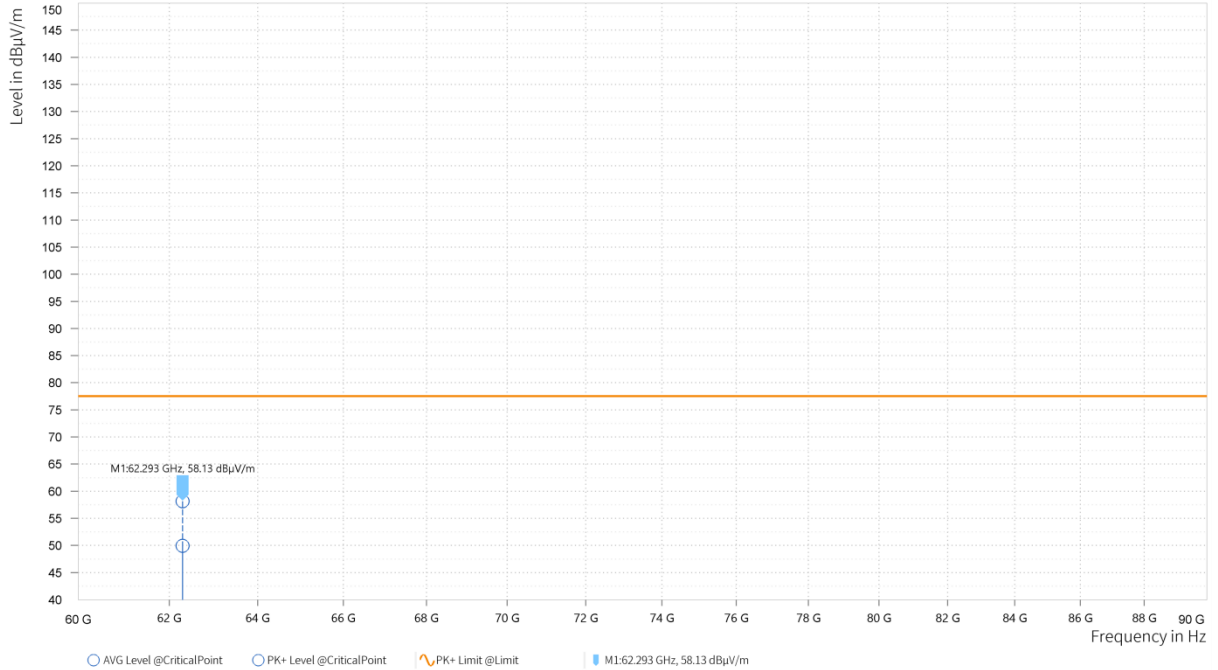
Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization
1	45,936.000	64.06	77.52	13.46	54.09	57.52	3.43	57.09	V



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60-90G



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
1	62,293.000	58.13	77.52	19.39	49.92	57.52	7.60	51.96	H

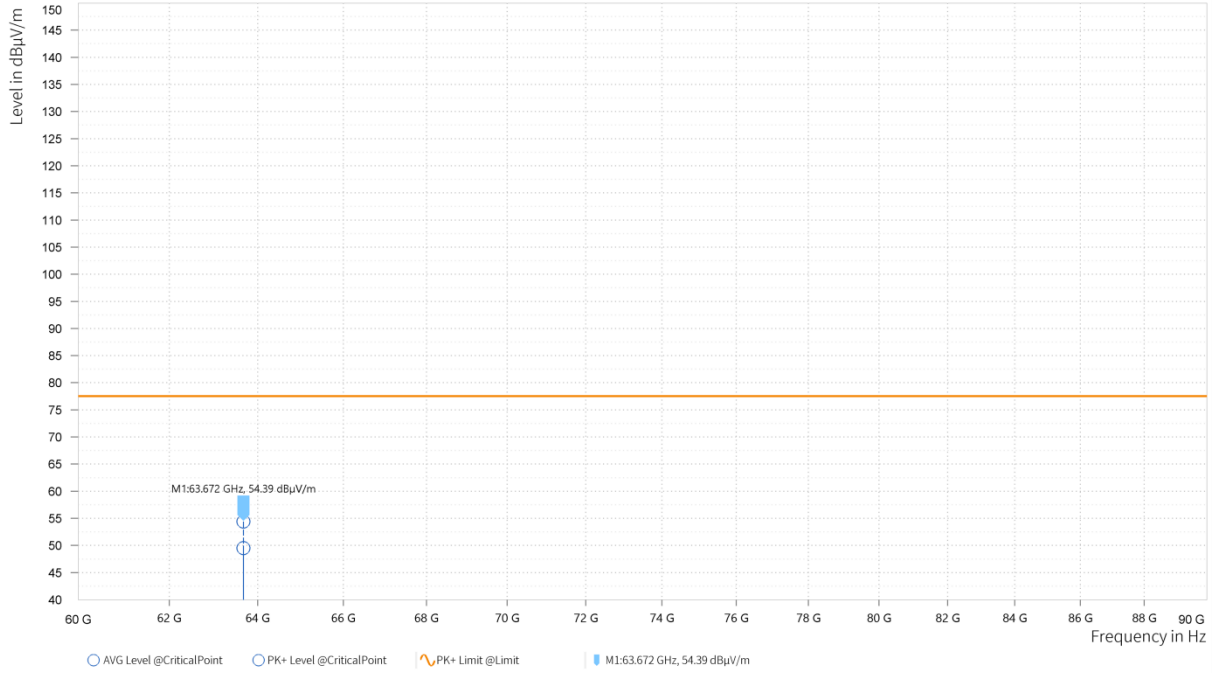


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60-90G



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
1	63,672.000	54.39	77.52	23.13	49.53	57.52	7.99	50.54	V

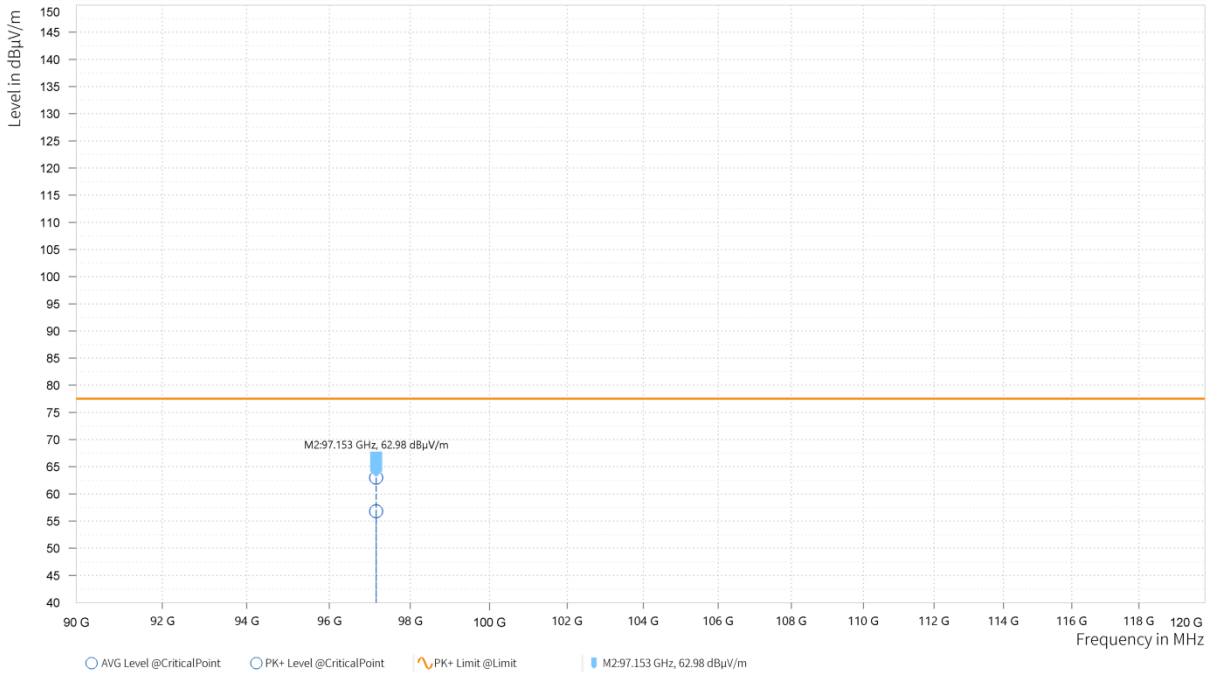


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90-120G



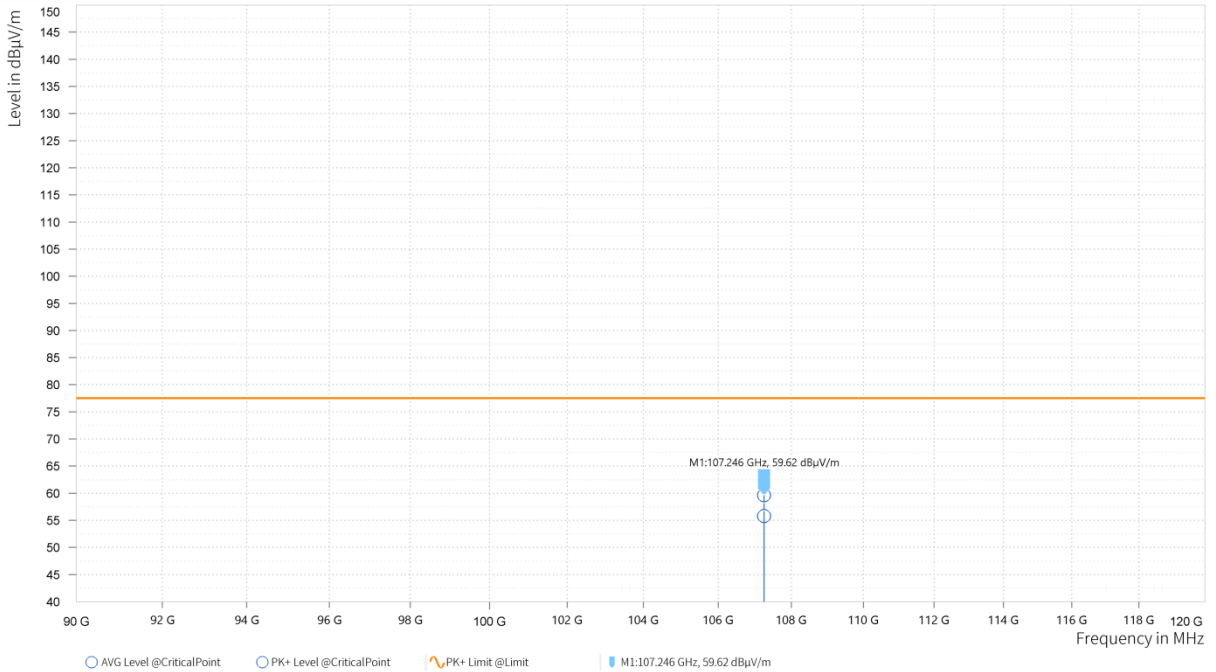
Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization
1	97,153.440	62.98	77.52	14.54	49.33	57.52	8.19	58.66	H



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90-120G



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
1	107,245.920	59.62	77.52	17.90	46.87	57.52	10.65	59.87	V



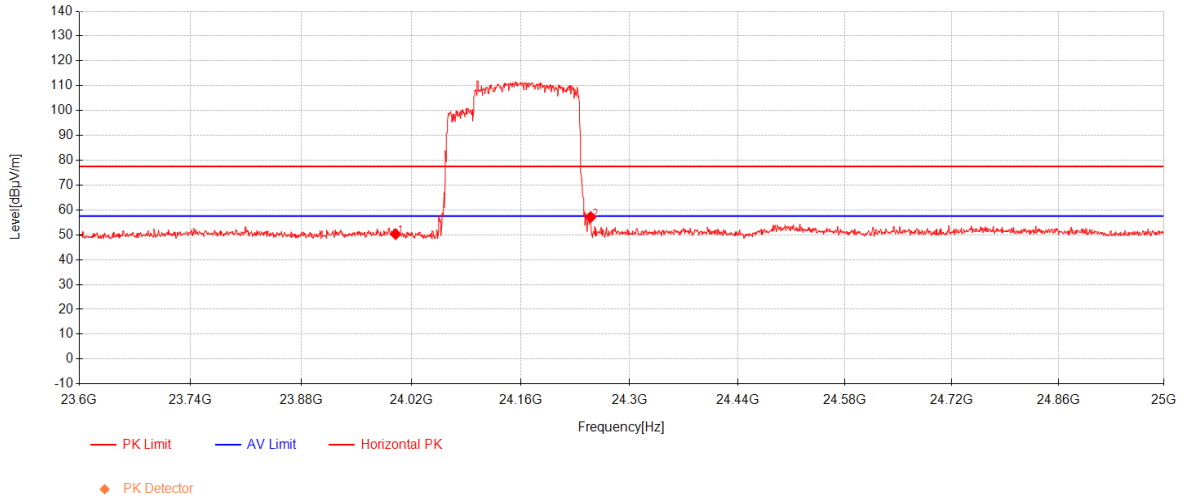
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Radiated Emissions which fall in the restricted bands

Rear Phased Array Radar



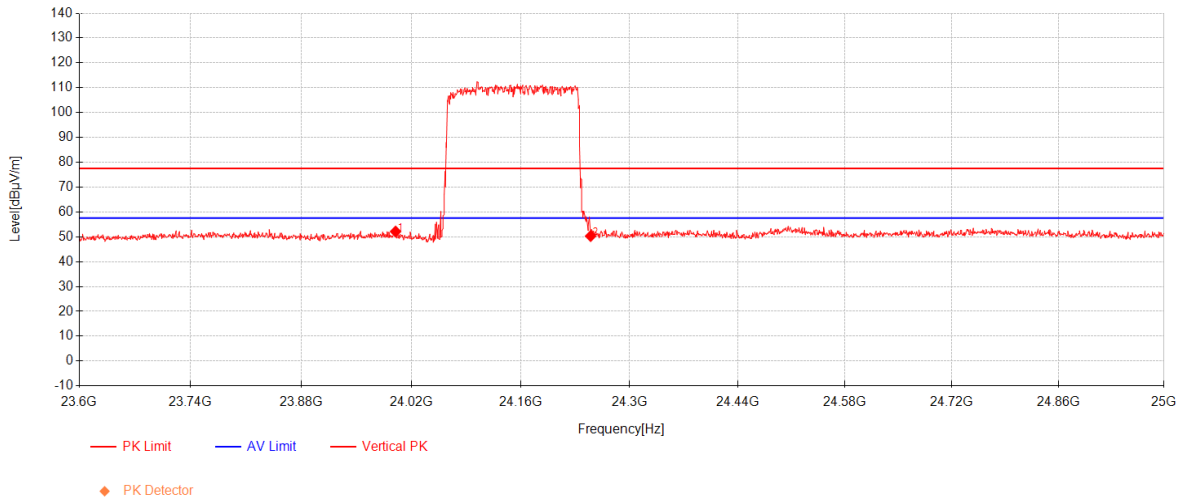
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24000	47.09	38.10	-34.91	50.28	77.52	27.24	158	30	Horizontal
2	24250	54.25	38.20	-35.30	57.15	77.52	20.37	158	30	Horizontal



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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	24000	48.93	38.10	-34.91	52.12	77.52	25.40	261	250	Vertical
2	24250	47.40	38.20	-35.30	50.30	77.52	27.22	261	250	Vertical

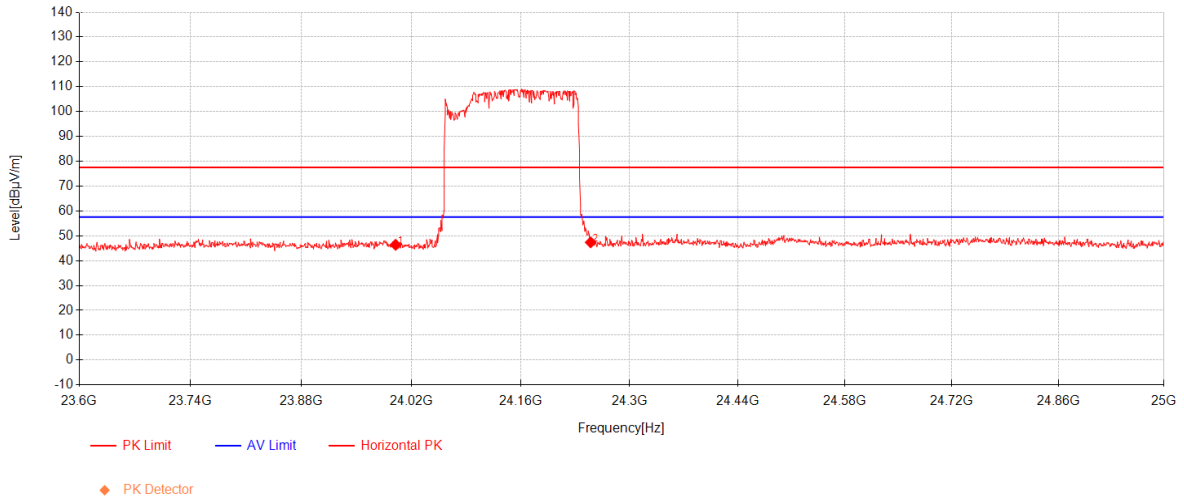


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Forward Phased Array Radar (Single board)

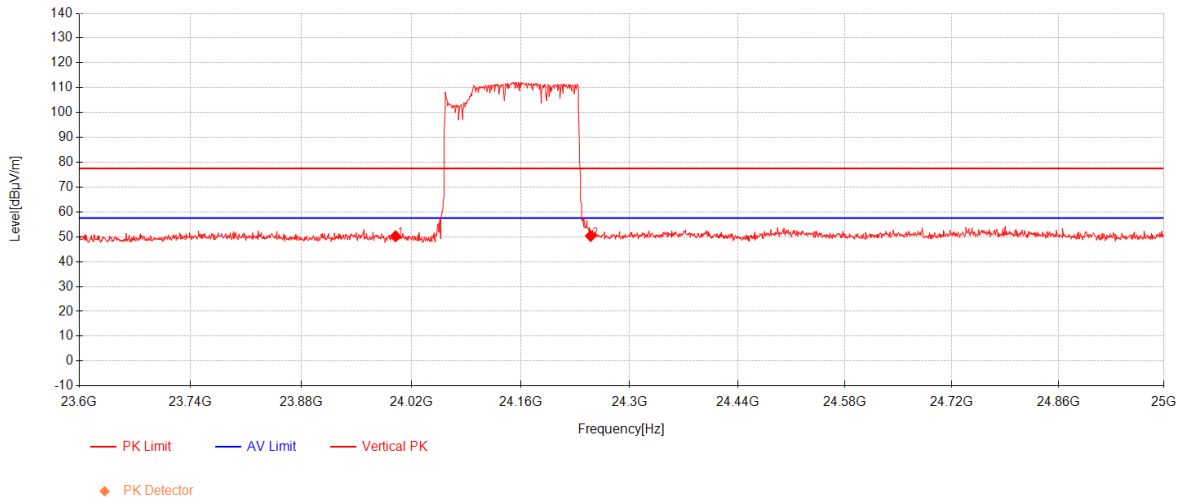


Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	24000	43.20	38.10	-34.91	46.39	77.52	31.13	231	166	Horizontal
2	24250	44.48	38.20	-35.30	47.38	77.52	30.14	231	166	Horizontal



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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	24000	47.04	38.10	-34.91	50.23	77.52	27.29	154	100	Vertical
2	24250	47.42	38.20	-35.30	50.32	77.52	27.20	154	100	Vertical



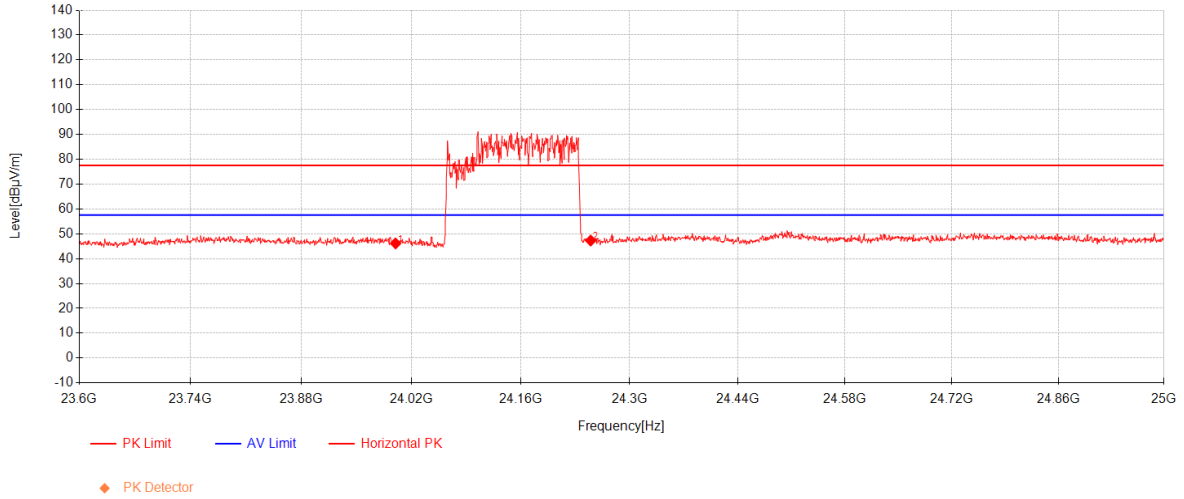
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Forward Phased Array Radar (Omnidirectional)



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	42.91	38.10	-34.91	46.10	77.52	31.42	167	210	Horizontal
2	24250	44.38	38.20	-35.30	47.28	77.52	30.24	167	210	Horizontal

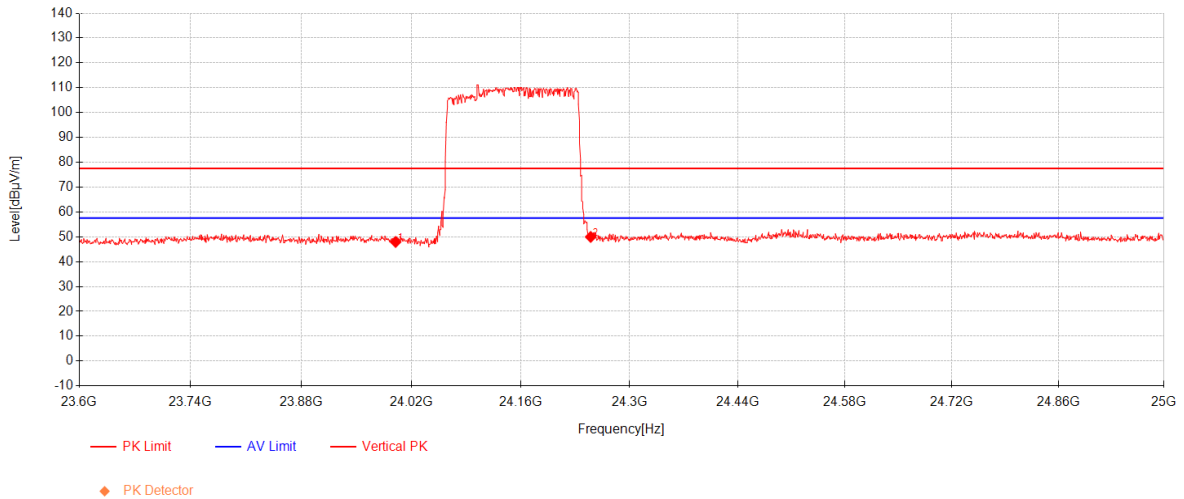


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1	24000	44.73	38.10	-34.91	47.92	77.52	29.60	158	330	Vertical
2	24250	47.06	38.20	-35.30	49.96	77.52	27.56	158	330	Vertical

---End of Report---



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