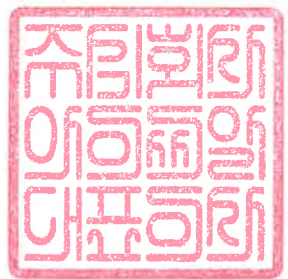




시험 성적서

TEST REPORT

페이지(page) : (1) / (총(Total) 21)

성적서 번호 Report No.		ICRT-TR-E201672-0A	
신청자 Client	기관명 Name	MATICA Technologies AG	
	주 소 Address	Theresienhoehe 30, 80339 Munich, Germany	
시험대상품목 Sample description		Laminator	
모델명 Type designation		MC-L2	
정 격 Ratings		AC 120 V	
시험장소 Place of test		☒ 고정시험(Inside test) ☐ 현장시험(Field test) 주소지(Address): 112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea	
시험기간 Date of test		12. June. 2020 ~ 16. June. 2020	
시험방법/항목 Test Method/Item		FCC Part 15 Subpart C §15.225	
시험결과 Test Results		Refer to 3. Test Summary	
확 인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성 명 Name Yeong-Hwan, Hong (Signature)	성 명 Name Hong-Kyu, Lee (Signature)	
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2020. 07. 20 주식회사 아이씨알 대표이사 The head of INTERNATIONAL CERTIFICATION REGISTRAR 			

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The authenticity of the test report can be checked on the G4B or ICR website.

경기도 김포시 양촌읍 황금3로7번길 112 / Tel: 02-6351-9001 ~ 6



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페이지(page) : (3) / 총(Total) 23)

Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E201672-0A	20-July-2020	Initial Issue	All



1. Applicant & Manufacturer & Test Laboratory Information

1.1 Applicant information

Applicant	MATICA Technologies AG
Address	Theresienhoehe 30, 80339 Munich, Germany
Contact Person	Ricard Ferrer
Telephone No.	+49-89-510-8588-12
Fax No.	+49-89-510-8588-88
E-mail	r.ferrer@maticacorp.com

1.2 Manufacturer Information

Manufacturer	T.I.T ENG CO.,Ltd.
Address	7th FL., SHINDO BLDG, 10 GARAK-DONG, SONGPA-GU SEOUL, KOREA 138-160

1.3 Test Laboratory Information

Conducted tests were performed at	
Laboratory	ICR Co., Ltd.
Address	112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No.	+82-2-6351-9002
Fax No.	+82-2-6351-9007
RRA No.	KR0165
KOLAS No.	KT652



2. Equipment under Test(EUT) Information

2.1 General Information

Product Name	Laminator
Brand Name	-
Model Name	MC-L2
Additional Model Name	PR00304091, PR00304092, PR00304093
FCC ID	2AT78-MCL2
Power Supply	AC 120 V

2.2 Additional Information

Equipment Class	DXX-Low Power communications Device Transmitter	
Operating Frequency	13.56 MHz	
Channel Number	1	
Modulation Type	ASK	
Maximum output power	Ant 1	40.21 dBμV/m
	Ant 2	62.61 dBμV/m
Antenna Type	Two inductive Coil Antenna	

2.3 Mode of operation during the test

- The EUT is continuous transmission mode during the test with set at Low Channel, Middle Channel, and High Channel. To get a maximum radiated emission levels from the EUT, the EUT was moved throughout the XY, YZ, XZ planes.

2.4 Modifications of EUT

- None

2.5 Reason of Additional Model Name

	Model Name	Difference
Basic	MC-L2	Card top/bottom laminator (Card coated on both sides)
Additional Model	PR00304091, MC-L2 / IN/ DS	Same is MC-L2 (marketing purposes)
	PR00304092, MC-L2 / IN / UC	Card top Laminator - The card is coated only on the top - Motor parts that can coat the bottom of the card have been deleted
	PR00304093, MC-L2 / IN / LC)	Card Bottom Laminator - Only the bottom side of the card is coated



		- Removed motor parts that can coat the top of the card
--	--	---

3. Test Summary

3.1 Test standards and results

FCC Part 15 Subpart C			
Clause	Test items	Applied	Results
§15.215 (c)	20 dB Bandwidth	☒	PASS
§15.225 (e)	Frequenct Stability Tolerance	☒	PASS
§15.225 (a)(b)(c)	In-Band Emissions	☒	PASS
§15.225 (d) §15.209	Out-of-Band Emissions	☒	PASS
§15.207	Power Line Conducted Emission	☒	PASS

3.2 Purpose of the test

- To determine whether the equipment under test fulfills the requirements of the standards stated in FCC Part 15 Subpart C Section 15.225.

3.3 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10: 2013, FCC CFR 47 PART 15.

3.4 Configuration of Test System

3.4.1 Radiated emission test

Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10: 2013 to determine the worse operating conditions.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both vertical and horizontal polarization.

3.4.2 AC power line conducted emission test

The EUT was connected to LISN. All supporting equipment were connected to another LISN. Preliminary Power line Conducted Emission test was performed by using the procedure in ANSI C63.10: 2013 to determine the worse operating conditions.



3.5 Antenna requirement

According to §15.203, 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 shall be considered sufficient to comply with the provisions of this Section.

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.

3.5.1 Result: Pass

The transmitter has a two ***Coil Antennas***.



4. Used equipment on test

	Description	Model Name	Serial Number	Manufacturer	Next Cal. (cycle)
☐	Spectrum analyzer	FSW85	100864	Rohde & Schwarz	2021. 03. 02 (1Y)
☒	Spectrum analyzer	FSV40	101455	Rohde & Schwarz	2021 .06. 24 (1Y)
☒	Signal Generator	SMB100A	180607	Rohde & Schwarz	2021. 03. 03 (1Y)
☐	Wideband Power Sensor	NRP-Z81	103673	Rohde & Schwarz	2021. 03. 03 (1Y)
☐	Open Switch and Control Platform	OSP150	101000	Rohde & Schwarz	2021. 03. 03 (1Y)
☐	TEMP & HUMID. TEST CHAMBER	MHK-408NKDA	1060908	TERCHY	2021. 03. 03 (1Y)
☐	DC Power Supply	XDL 35-5P	J00385373	Sorensen	2021. 03. 02 (1Y)
☐	DC Power Supply	6603D	672483	Topward	2021. 03. 02 (1Y)
☒	Loop Antenna	HFH2-Z2	100506	Rohde & Schwarz	2021. 06. 27 (2Y)
☒	TRILOG BROADBAND ANTENNA	VULB9162	120	SCHWARZBECK	2020. 11. 23 (2Y)
☒	RF Pre Amplifier	SCU08	100747	Rohde & Schwarz	2021. 04. 16 (1Y)
☐	DOUBLE-RIDGE WAVEGUIDE HORN ANTENNA	HF907	102556	Rohde & Schwarz	2021. 08. 19 (2Y)
☐	RF Pre Amplifier	SCU18	102342	Rohde & Schwarz	2021. 04. 16 (1Y)
☐	Horn Antenna	LB-42-10-C-KF	J202024625	AINFO Inc.	2021. 03. 10 (2Y)
☐	RF Pre Amplifier	AMF-4F-18265-35-8P-1	771846	MITEQ	2021. 03. 04 (1Y)
☐	Horn Antenna	LB-28-10-C-KF	J202024627	AINFO Inc.	2021. 03. 10 (2Y)
☐	RF Pre Amplifier	AMF-4D-260400-45-6P	779919	MITEQ	2021. 03. 03 (1Y)
☒	EMI Test Receiver	ESR26	101461	Rohde & Schwarz	2021. 04. 16 (1Y)
☐	EMI Test Receiver	ESR26	101462	Rohde & Schwarz	2021. 04. 16 (1Y)
☒	LISN	ENV216	102194	Rohde & Schwarz	2021. 04. 16 (1Y)
☒	EMI Test Receiver	ESR3	102119	Rohde & Schwarz	2021. 04. 16 (1Y)
☒	RF Cable	MULTIFLEX_86	-	HUBER & SUHNER	-
☒	Chamber Cable	mwX221	-	Junkosha	-
☒	C.V.C.F	KC-3100	1610C-32	KOREA POWER CO., LTD.	-

※ All test equipment used is calibration on a regular basis.



5. 20 dB Bandwidth

5.1 Operating environment

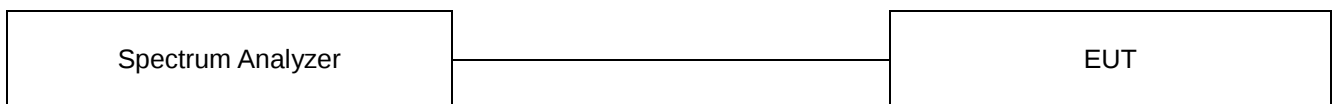
Temperature : 21 °C
Relative humidity : 45 %

5.2 Measurement method

Standard : §15.215 (c)

5.3 Test setup

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth(RBW) is set to 10 kHz. The Video bandwidth is set to 3 times the RBW. The 20 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 20 dB.



5.4 Test data

Test date : 12. June. 2020
Operating mode : Transmit mode
Test Result : Pass

5.4.1 Measured Result at ANT1

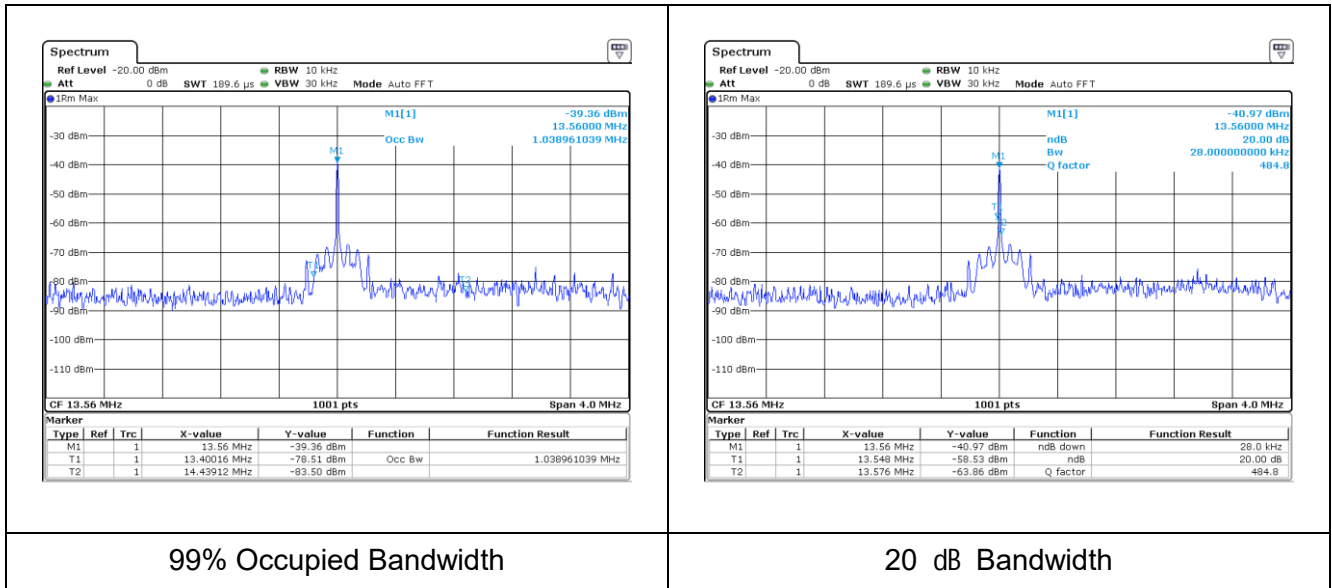
Modulation Type	Frequency (MHz)	Measured Value (MHz)		Limit (MHz)
		99% Occupied Bandwidth	20 dB Bandwidth	
ASK	13.56	1.038	0.028	-

5.4.2 Measured Result at ANT2

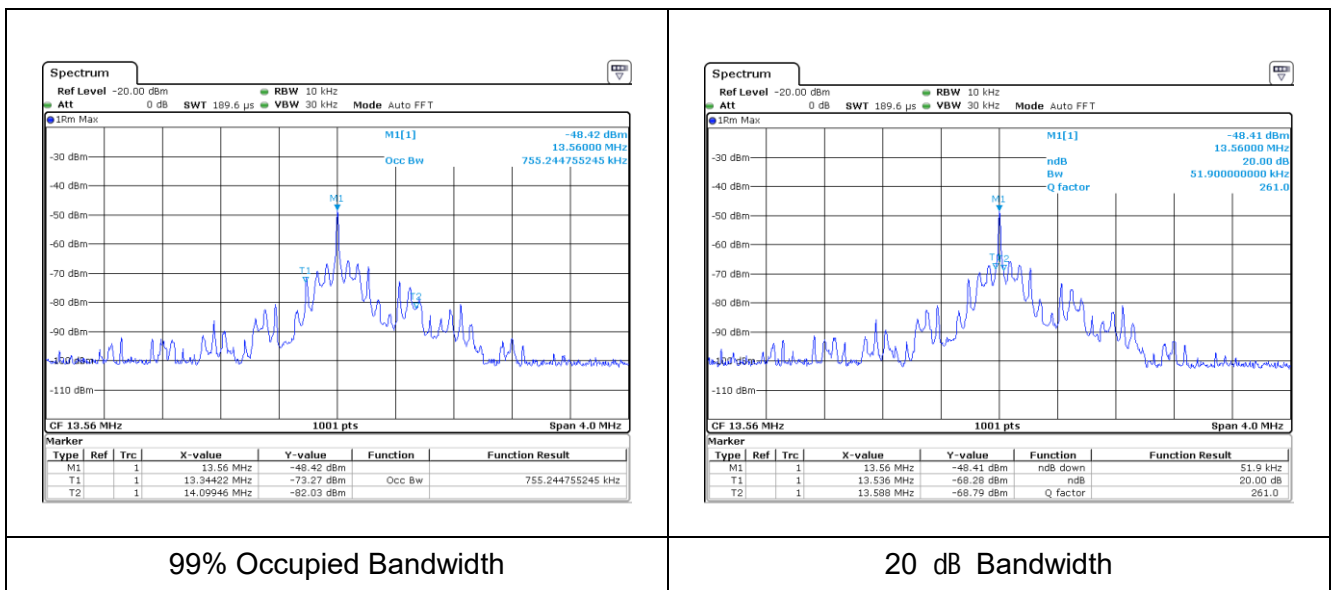
Modulation Type	Frequency (MHz)	Measured Value (MHz)		Limit (MHz)
		99% Occupied Bandwidth	20 dB Bandwidth	
ASK	13.56	0.755	0.052	-



5.4.3 Measured Graph Occupied Bandwidth & 20 dB Bandwidth at ANT1



5.4.4 Measured Graph Occupied Bandwidth & 20 dB Bandwidth at ANT2





6. Frequenct Stability Tolerance

6.1 Operating environment

Temperature : 21 °C

Relative humidity : 45 %

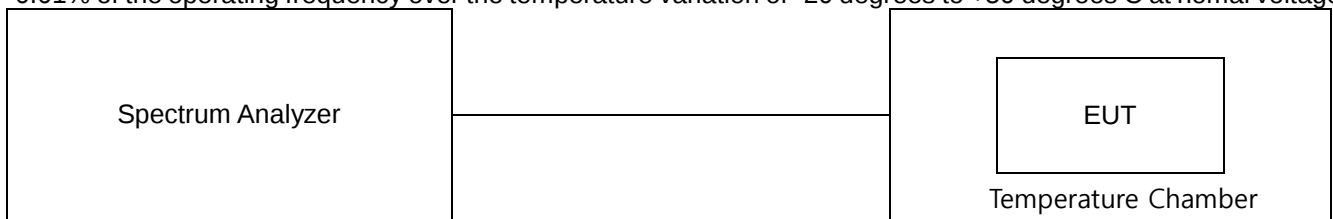
6.2 Measurement method

Standard : §15.225 (e)

6.3 Test setup

Measurement procedures were implemented according to the test method of ANSI C63.10: 2013.

Part 15.225 requires that devices operating in the 13.553 ~ 13.567 MHz shall maintain the carrier frequency within 0.01% of the operating frequency over the temperature variation of -20 degrees to +50 degrees C at nominal voltage.





6.4 Test data

Test date : 12. June. 2020
 Operating mode : Transmit mode
 Test Result : Pass

6.4.1 Measured Results at ANT 1

Modulation type	Voltage (%)	Power (AC)	Temperature (°C)	Frequency (Hz)	Freq. DEV (Hz)	Deviation (%)	Limit (Hz)
RFID	100%	120	50	13 560 900	900	0.0066	1 356
	100%		40	13 560 900	900	0.0066	
	100%		30	13 560 900	900	0.0066	
	100%		20	13 560 800	800	0.0059	
	100%		10	13 560 800	800	0.0059	
	100%		0	13 560 800	800	0.0059	
	100%		-10	13 560 800	800	0.0059	
	100%		-20	13 560 900	900	0.0066	
	85%	102	20	13 560 800	800	0.0059	
	115%	138	20	13 560 800	800	0.0059	

6.4.2 Measured Results at ANT 2

Modulation type	Voltage (%)	Power (AC)	Temperature (°C)	Frequency (Hz)	Freq. DEV (Hz)	Deviation (%)	Limit (Hz)
RFID	100%	120	50	13 560 900	900	0.0066	1 356
	100%		40	13 560 900	900	0.0066	
	100%		30	13 560 900	900	0.0066	
	100%		20	13 560 800	800	0.0059	
	100%		10	13 560 800	800	0.0059	
	100%		0	13 560 800	800	0.0059	
	100%		-10	13 560 800	800	0.0059	
	100%		-20	13 560 800	800	0.0059	
	85%	102	20	13 560 800	800	0.0059	
	115%	138	20	13 560 800	800	0.0059	

7. Radiated Emissions

7.1 Operating environment

Temperature : 23 °C

Relative humidity : 44 %

7.2 Measurement method

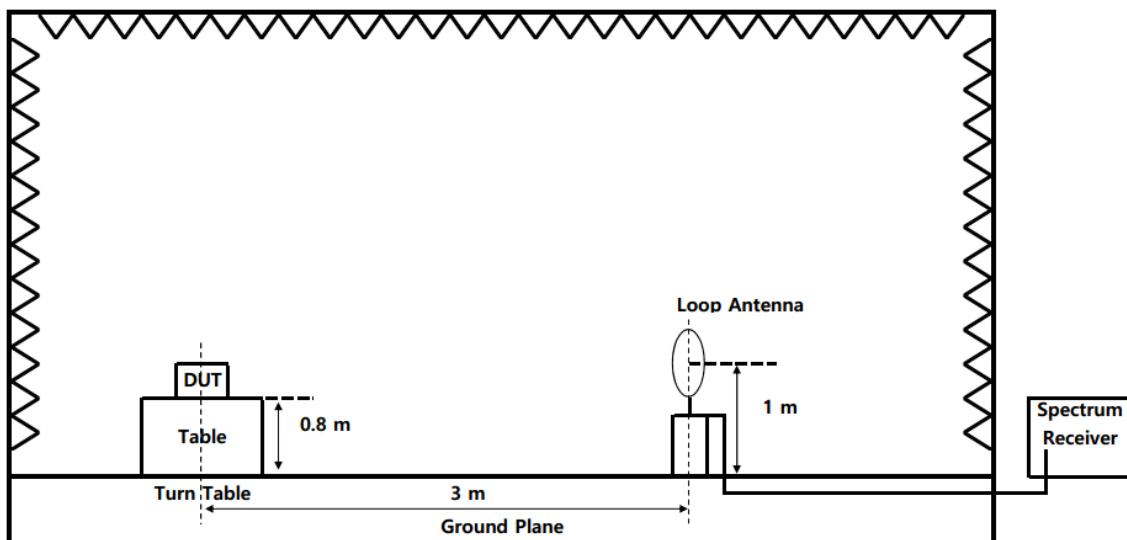
Standard : §15.225 (a)(b)(c)(d)

7.3 Test setup

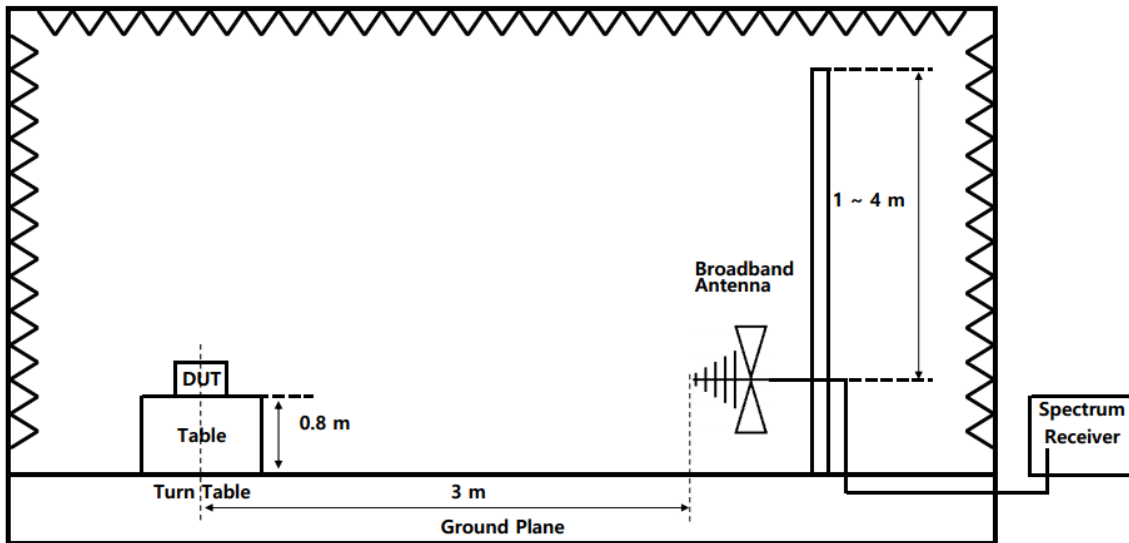
The radiated emissions measurements were performed on the 3 m, Semi-Anechoic Chamber. The EUT was placed on a non-conductive turntable above the ground plane.

The frequency spectrum from 9 kHz to 1 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

7.3.1 Test setup layout Below 30 MHz



7.3.2 Test setup layout 30 MHz to 1 GHz



7.4 Regulation

The EUT must comply with field strength limits defined in section 15.225(a), (b) and (c) of cfr47 FCC Part 15, Subpart C:

Frequency (MHz)	Limit at 30m (dB μ V/m)	Limit at 3m (dB μ V/m)
13.110 to 13.410 and 13.710 to 14.010	40.5	80.5
13.410 to 13.553 and 13.567 to 13.710	50.5	90.5
13.553 to 13.567	84.0	124.0

According to §15.225(d), The field strength of any emissions appearing outside of the 13.110 to 14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

According to §15.209(a), for an intentional device, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 ~ 0.490	2 400 / F (kHz)	-	300
0.490 ~ 1.705	24 000 / F (kHz)	-	30
1.705 ~ 30	30	29.54	30
30 ~ 88	100	40.00	3
88 ~ 216	150	43.52	3
216 ~ 960	200	46.02	3
Above 960	500	53.98	3

The emission limits shown in the above table are based on measurement instrumentation employing a CISPR quasi-peak detector and above 1 000 MHz are based on the average value of measured emissions.



7.5 Test data for Radiated Electric Field Emissions

Test date : 15. June. 2020
 Operating mode : Transmit mode
 Test Result : Pass

7.5.1 Measurement Results for ANT 1 (13.553 ~ 13.567) MHz

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
13.56	20.45	Peak	H	19.76	40.21	124.00	83.79
13.56	18.50	Peak	V	19.76	38.26	124.00	85.74

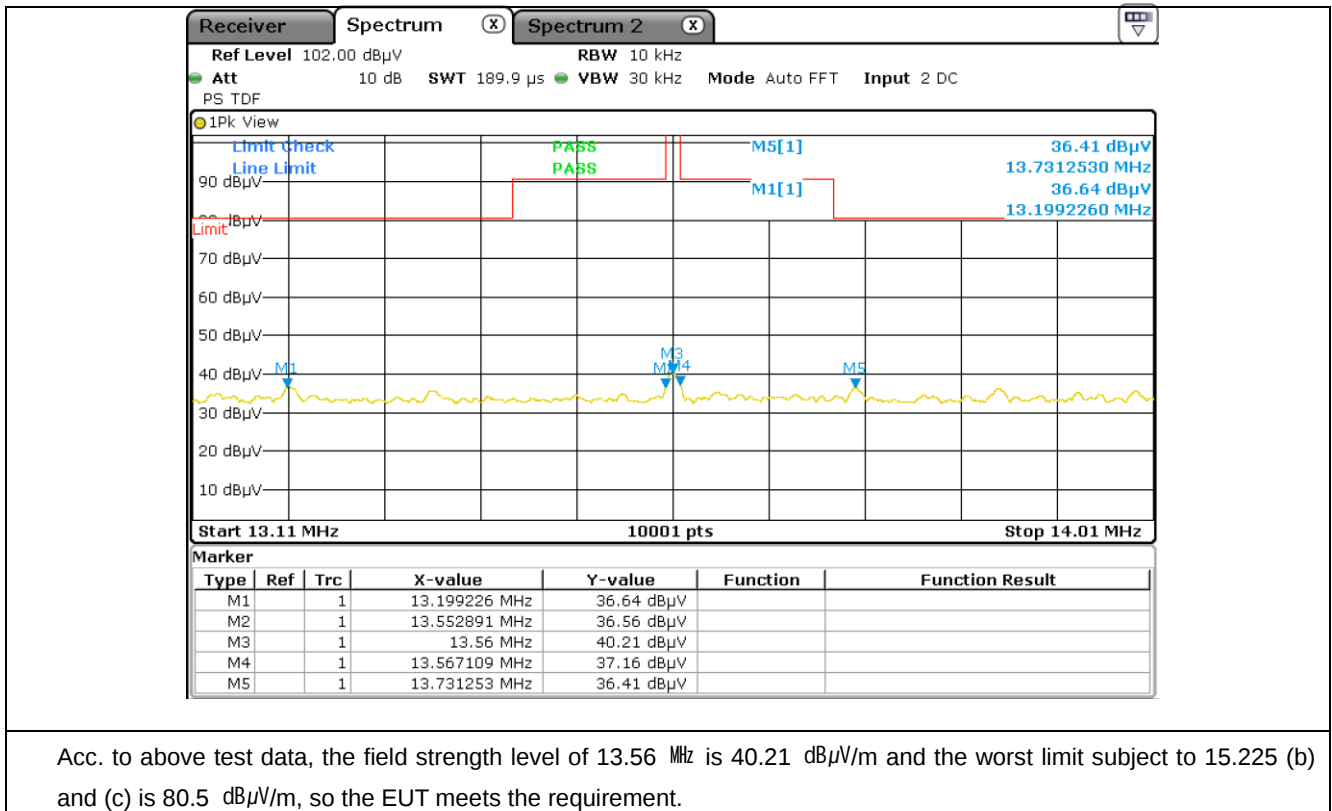
※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin = Limit - Result

7.5.1.1 Measured Graph for ANT1 (13.11 MHz ~ 14.01 MHz)





7.5.2 Measurement Results for ANT 2 (13.553 MHz ~ 13.567 MHz)

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
13.56	42.86	Peak	H	19.75	62.61	124.00	61.39
13.56	38.53	Peak	V	19.75	58.28	124.00	65.72

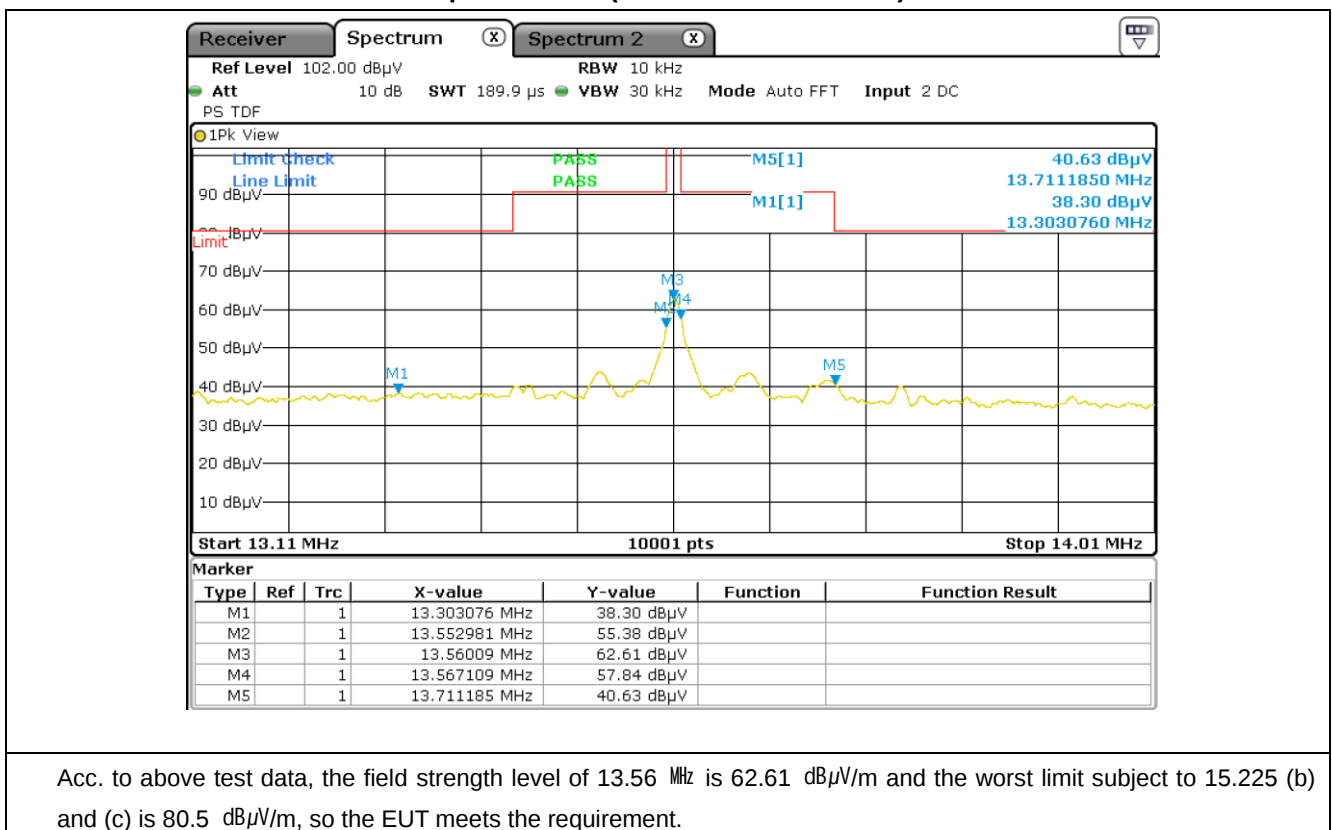
※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin = Limit – Result

7.5.2.1 Measured Graph for ANT2 (13.553 MHz ~ 13.567 MHz)



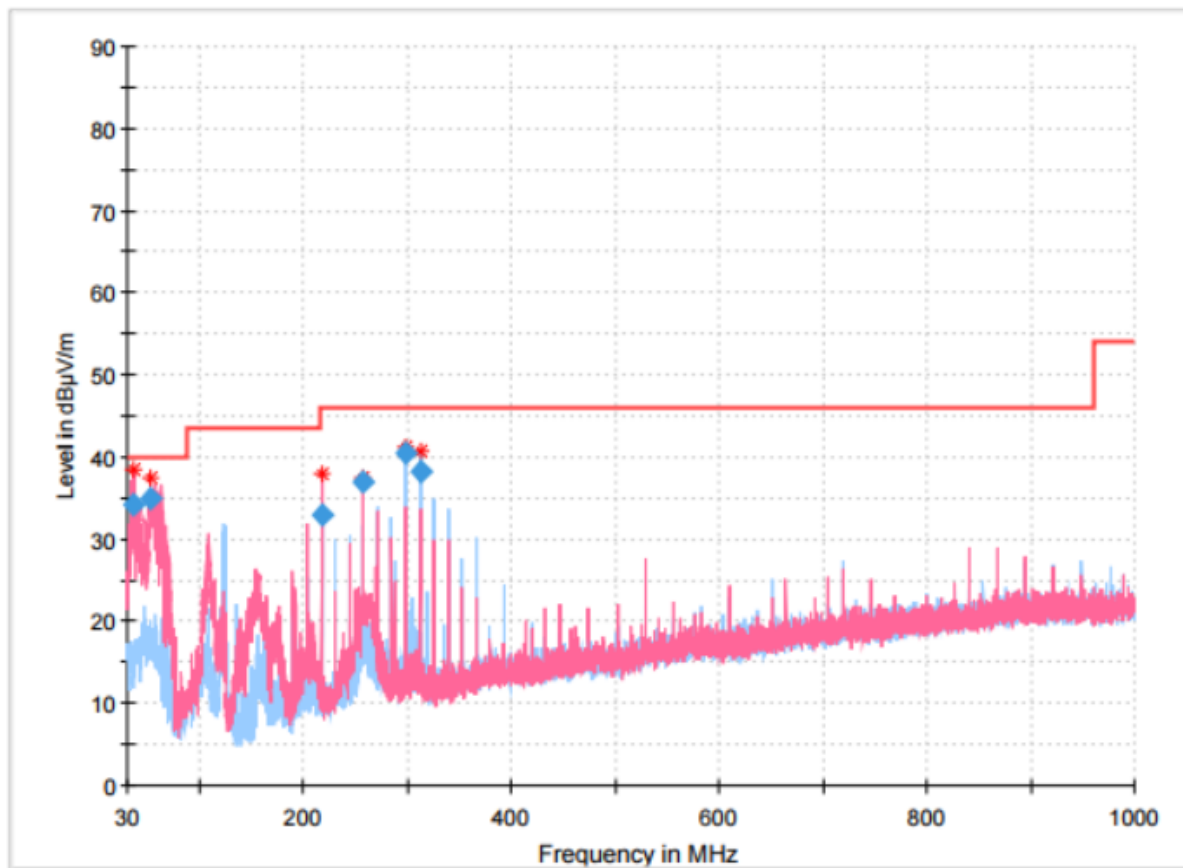


7.6 Spurious Emission Test

7.6.1 Measurement Results for Below 30 MHz at ANT1

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
It was not found any emissions peaks found from the EUT.							

7.6.2 Measurement Results for below 1 GHz at ANT1



Final Result

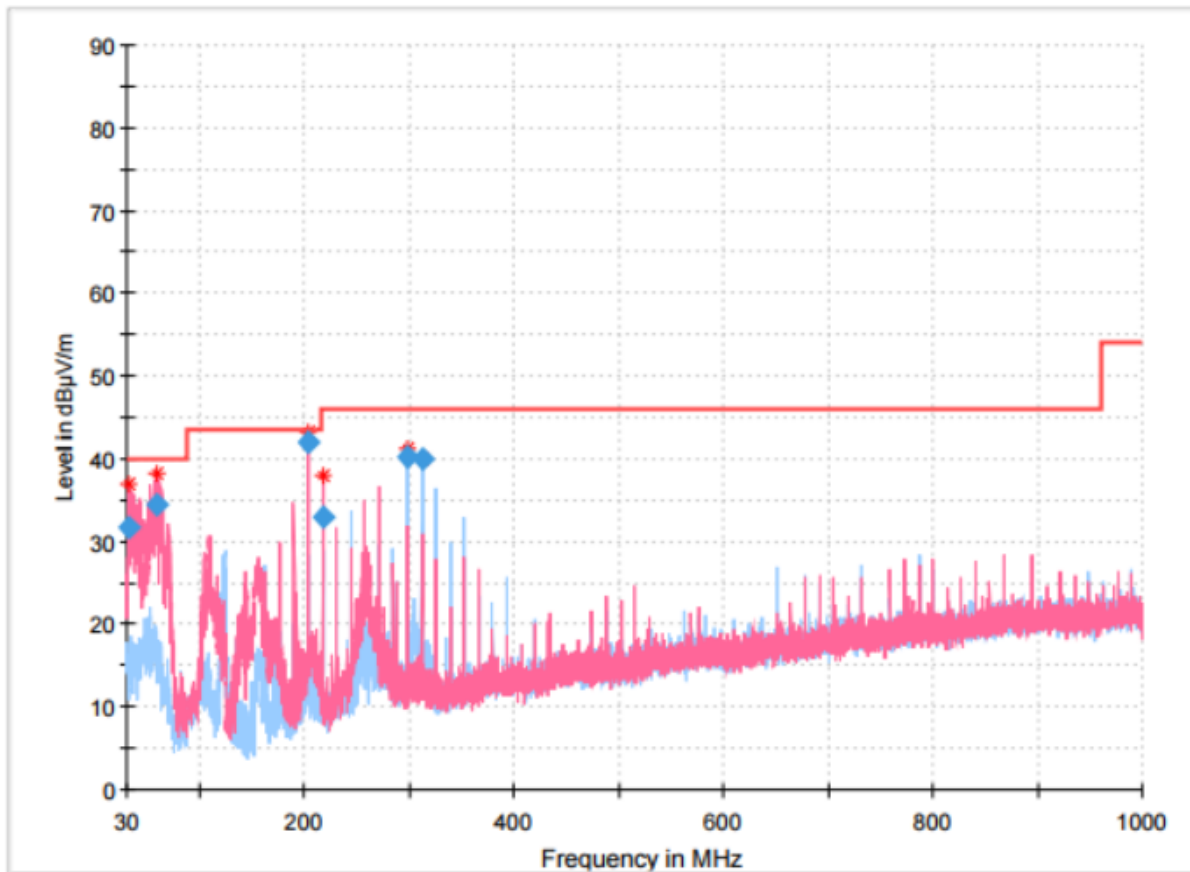
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
35.432000	34.11	40.00	5.89	1000.0	120.000	100.0	V	232.0	-22.0
52.601000	34.96	40.00	5.04	1000.0	120.000	100.0	V	41.0	-19.5
216.919000	32.97	46.00	13.03	1000.0	120.000	200.0	V	217.0	-20.6
257.659000	36.93	46.00	7.07	1000.0	120.000	200.0	V	184.0	-18.6
298.302000	40.46	46.00	3.54	1000.0	120.000	100.0	H	193.0	-17.8
311.882000	38.12	46.00	4.88	1000.0	120.000	100.0	H	193.0	-17.9



7.6.3 Measurement Results for Below 30 MHz at ANT2

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
It was not found any emissions peaks found from the EUT.							

7.6.4 Measurement Results for below 1 GHz at ANT2



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
32.522000	31.57	40.00	8.43	1000.0	120.000	100.0	V	59.0	-22.2
58.130000	34.50	40.00	5.50	1000.0	120.000	100.0	V	46.0	-20.3
203.436000	41.99	43.50	1.51	1000.0	120.000	100.0	V	0.0	-20.8
216.919000	32.95	46.00	13.05	1000.0	120.000	100.0	V	329.0	-20.6
298.302000	40.28	46.00	1.72	1000.0	120.000	100.0	H	0.0	-17.8
311.882000	39.94	46.00	5.06	1000.0	120.000	100.0	H	315.0	-17.9



8. Power Line Conducted Emission

8.1 Operating environment

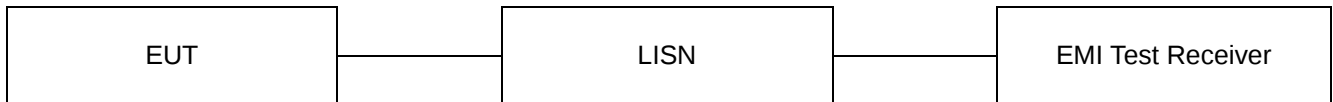
Temperature : 21 °C
Relative humidity : 49 %

8.2 Measurement method

Standard : §15.207

8.3 Test setup

The EUT was placed on a wooden table, 0.8 m height above the floor. Power was fed to the EUT through a $50\ \Omega$ / $50\ \mu\text{H}$ + $5\ \Omega$ Artificial Mains Network (AMN). The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

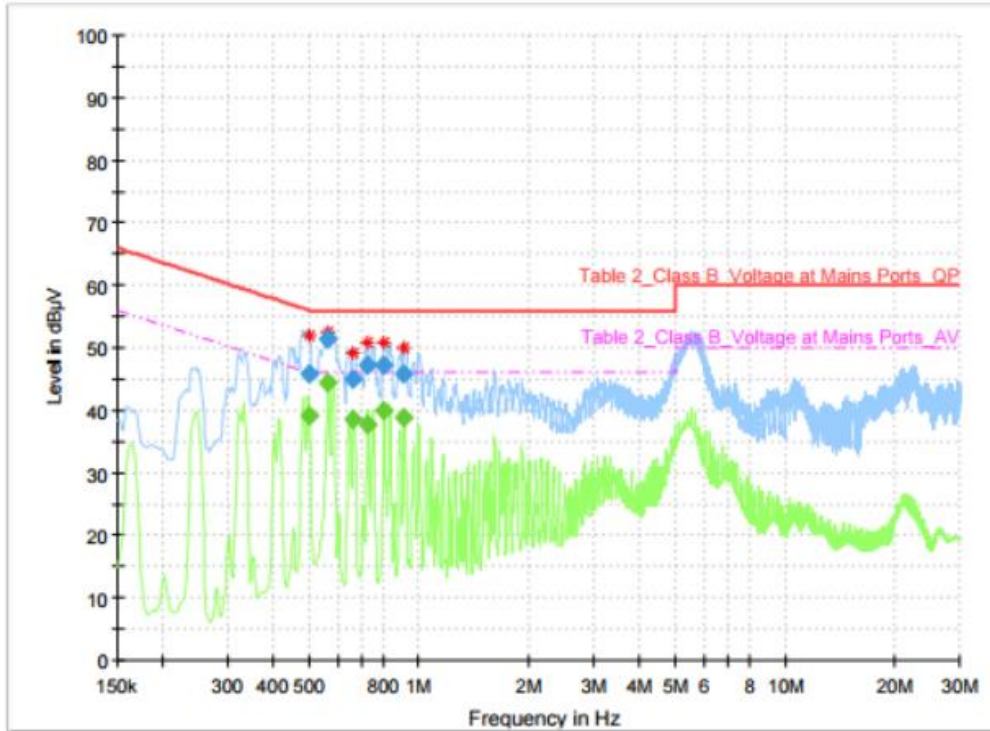




8.4 Test data

Test date : 16. June. 2020
 Operating mode : Transmit mode
 Test Result : Pass

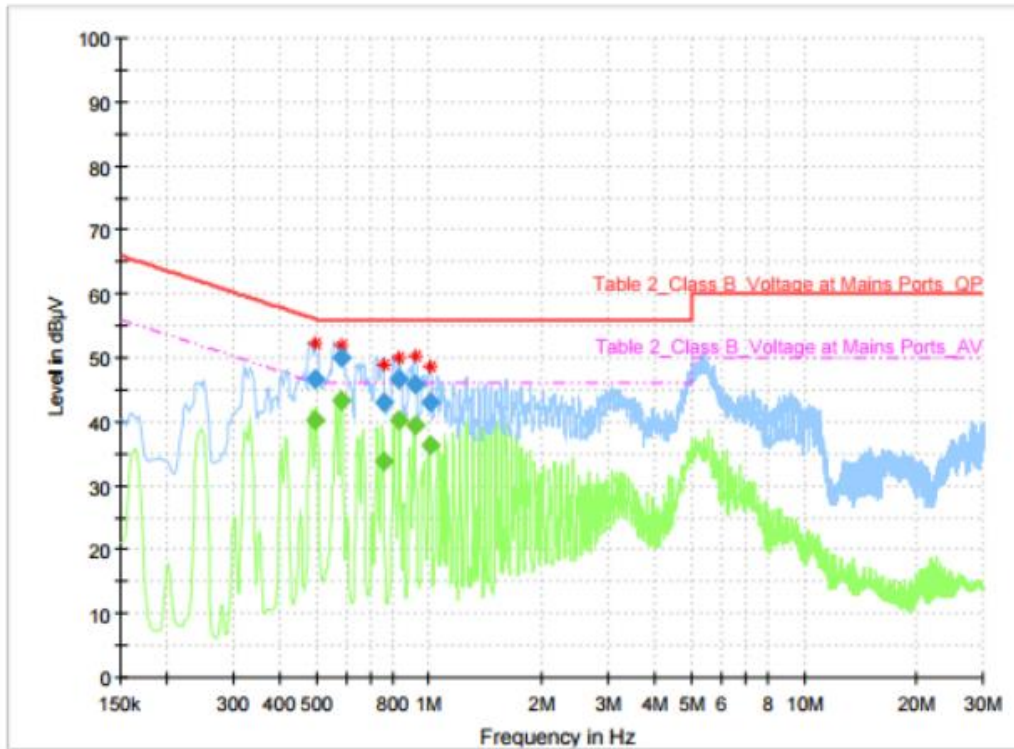
8.4.1 Measured Results & Graph at ANT1



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.503250	---	39.22	46.00	6.78	5000.0	9.000	L1	ON	9.9
0.503250	45.87	---	56.00	10.13	5000.0	9.000	L1	ON	9.9
0.564000	---	44.37	46.00	1.63	5000.0	9.000	L1	ON	9.9
0.564000	51.29	---	56.00	4.71	5000.0	9.000	L1	ON	9.9
0.663000	---	38.41	46.00	7.59	5000.0	9.000	L1	ON	9.8
0.663000	45.03	---	56.00	10.97	5000.0	9.000	L1	ON	9.8
0.721500	---	37.65	46.00	8.35	5000.0	9.000	L1	ON	9.8
0.721500	47.20	---	56.00	8.80	5000.0	9.000	L1	ON	9.8
0.804750	---	39.94	46.00	6.06	5000.0	9.000	L1	ON	9.8
0.804750	47.17	---	56.00	8.83	5000.0	9.000	L1	ON	9.8
0.912750	---	38.89	46.00	7.11	5000.0	9.000	L1	ON	9.8
0.912750	45.85	---	56.00	10.15	5000.0	9.000	L1	ON	9.8

Live line



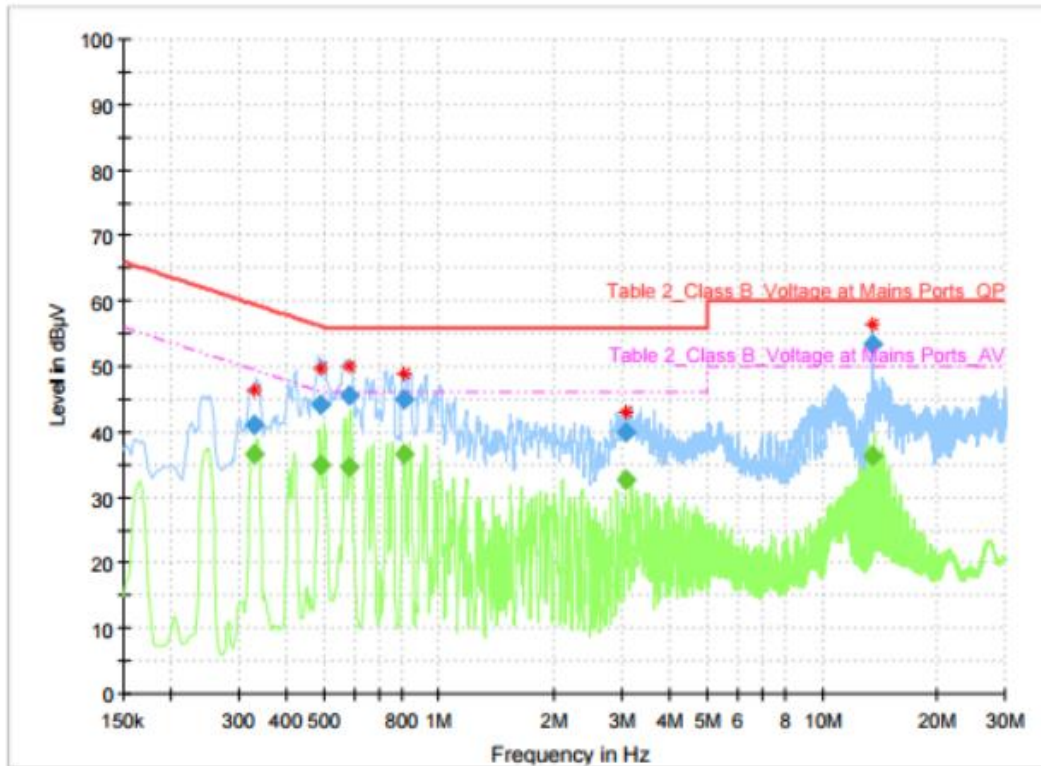
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.496500	---	40.22	46.06	5.84	5000.0	9.000	N	ON	9.9
0.496500	46.65	---	56.06	9.41	5000.0	9.000	N	ON	9.9
0.579750	---	43.25	46.00	2.75	5000.0	9.000	N	ON	9.9
0.579750	49.91	---	56.00	6.09	5000.0	9.000	N	ON	9.9
0.755250	---	33.90	46.00	12.10	5000.0	9.000	N	ON	9.8
0.755250	42.90	---	56.00	13.10	5000.0	9.000	N	ON	9.8
0.831750	---	40.22	46.00	5.78	5000.0	9.000	N	ON	9.8
0.831750	46.58	---	56.00	9.42	5000.0	9.000	N	ON	9.8
0.915000	---	39.43	46.00	6.57	5000.0	9.000	N	ON	9.8
0.915000	45.86	---	56.00	10.14	5000.0	9.000	N	ON	9.8
1.002750	---	36.29	46.00	9.71	5000.0	9.000	N	ON	9.7
1.002750	43.09	---	56.00	12.91	5000.0	9.000	N	ON	9.7

Neutral line



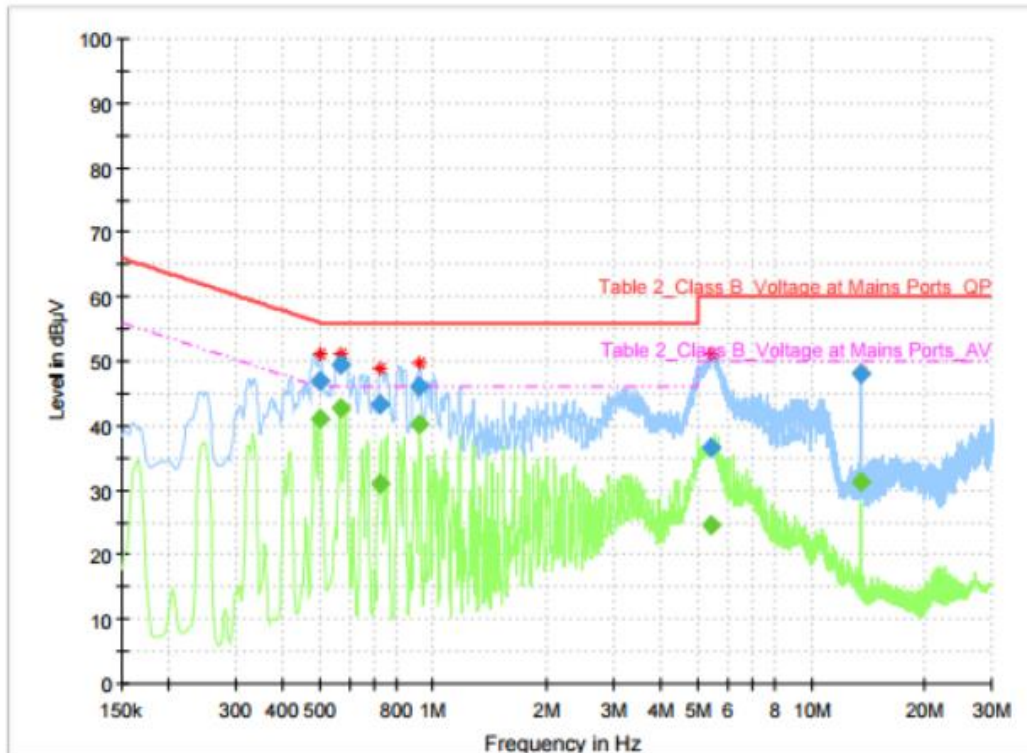
8.4.2 Measured Results & Graph at ANT2



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.330000	---	36.49	49.45	12.96	5000.0	9.000	L1	ON	9.7
0.330000	41.17	---	59.45	18.28	5000.0	9.000	L1	ON	9.7
0.492000	---	34.81	46.13	11.32	5000.0	9.000	L1	ON	9.9
0.492000	44.02	---	56.13	12.12	5000.0	9.000	L1	ON	9.9
0.579750	---	34.54	46.00	11.46	5000.0	9.000	L1	ON	9.9
0.579750	45.50	---	56.00	10.50	5000.0	9.000	L1	ON	9.9
0.813750	---	36.50	46.00	9.50	5000.0	9.000	L1	ON	9.8
0.813750	44.89	---	56.00	11.11	5000.0	9.000	L1	ON	9.8
3.072750	---	32.78	46.00	13.22	5000.0	9.000	L1	ON	9.7
3.072750	39.94	---	56.00	16.06	5000.0	9.000	L1	ON	9.7
13.560000	---	36.28	50.00	13.72	5000.0	9.000	L1	ON	9.8
13.560000	53.41	---	60.00	6.59	5000.0	9.000	L1	ON	9.8

Live line



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.501000	---	41.05	46.00	4.95	5000.0	9.000	N	ON	9.9
0.501000	46.79	---	56.00	9.21	5000.0	9.000	N	ON	9.9
0.566250	---	42.86	46.00	3.14	5000.0	9.000	N	ON	9.9
0.566250	49.51	---	56.00	6.49	5000.0	9.000	N	ON	9.9
0.721500	---	31.11	46.00	14.89	5000.0	9.000	N	ON	9.8
0.721500	43.16	---	56.00	12.84	5000.0	9.000	N	ON	9.8
0.919500	---	40.29	46.00	5.71	5000.0	9.000	N	ON	9.8
0.919500	46.12	---	56.00	9.88	5000.0	9.000	N	ON	9.8
5.444250	---	24.61	50.00	25.39	5000.0	9.000	N	ON	9.7
5.444250	36.58	---	60.00	23.42	5000.0	9.000	N	ON	9.7
13.560000	---	31.33	50.00	18.67	5000.0	9.000	N	ON	9.8
13.560000	48.13	---	60.00	11.87	5000.0	9.000	N	ON	9.8

Neutral line

- END OF REPORT.