

FCC PART 15B

TEST REPORT

For

Shanghai Sunmi Technology Co.,Ltd.

Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

FCC ID: 2AH25T5941

Report Type: Original Report	Product Type: Wireless data POS System
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Report Number:	RKSA210422005-00A
Report Date:	2021-05-24
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	Shanghai Sunmi Technology Co.,Ltd.
Test Model	T5941
Product	Wireless data POS System
Rate Voltage	DC 5V from Adapter and DC 7.7V Power by Lithium Battery
*Highest Operation Frequency	5825 MHz

Adapter-1 Information:*Model: TPA-23A050200UU01**Input: AC100-240V-50/60Hz 0.3A**Output: 5.0V, 2000mA***Adapter-2 Information:***Model: UC13US**Input: AC100-240V~50/60Hz 0.35A**Output: 5.0V, 2A*

Note: The highest operation frequency is provided by the applicant.*

Note2: This product model (T5941) has two different configurations, only the worst case configuration With Scan code (Version: B-A) data was in report .

**All measurement and test data in this report was gathered from production sample serial number: RKSA210422005-1(Assigned by the BACL. The EUT supplied by the applicant was received on 2021-04-22)*

Objective

This report is prepared on behalf of *Shanghai Sunmi Technology Co.,Ltd.* in accordance with Part 2-Subpart J, and Part 15-Subparts A and B of the Federal Communication Commission's rules.

The objective of the manufacturer is to determine the compliance of EUT with FCC Part 15, Class B device.

Related Submittal(s)/Grant(s)

FCC Part 15.247 DTS submissions with FCC ID: 2AH25T5941

FCC Part 15.247 DSS submissions with FCC ID: 2AH25T5941

FCC Part 15.407 NII submissions with FCC ID: 2AH25T5941

FCC Part 15.225 DXX submissions with FCC ID: 2AH25T5941

FCC Part 22H24E27 PCB submissions with FCC ID: 2AH25T5941

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) Lab is accredited to ISO/IEC 17025 by A2LA (Lab code: 4323.01) and the FCC designation No. CN1185 under the FCC KDB 974614 D01 and CAB identifier CN0004 under the ISED requirement. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a typical mode (as normally used by a typical user).

Test mode1: Normal Working + Charging by Adapter1

Test mode2: Normal Working + Charging by Adapter2

Test mode3: USB Data Transmission

EUT Exercise Software

No software was used to the EUT.

Special Accessories

No special accessory was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

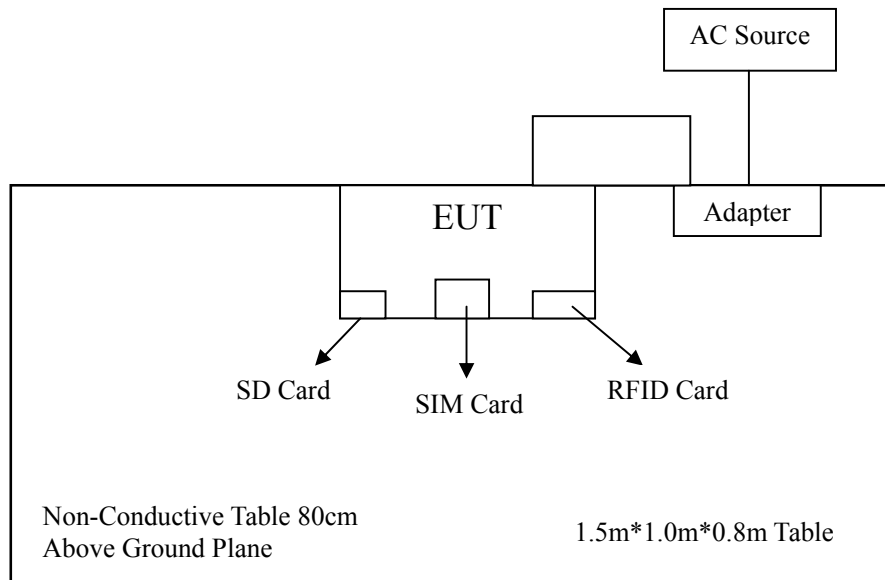
Manufacturer	Description	Model	Serial Number
Notebook	DELL	0T7570	00045-644-490-410
TP-LINK	Router	TL-WDR5620	TP-LINK
SanDisk	SD Card	32GB	72810VCP912S
/	SIM Card	/	/
/	RFID Card	/	/
Logitech	Mouse	M-U0026	HS646HB

External I/O Cable

Cable Description	Length (m)	From Port	To Port
Power Cable1	1.0	EUT	Adapter
Power Cable2	1.0	AC Source	Adapter
Power Cable3	1.0	EUT	Notebook
Power Cable4	1.0	Adapter	Notebook
RJ45 cable	10.0	Router	Notebook

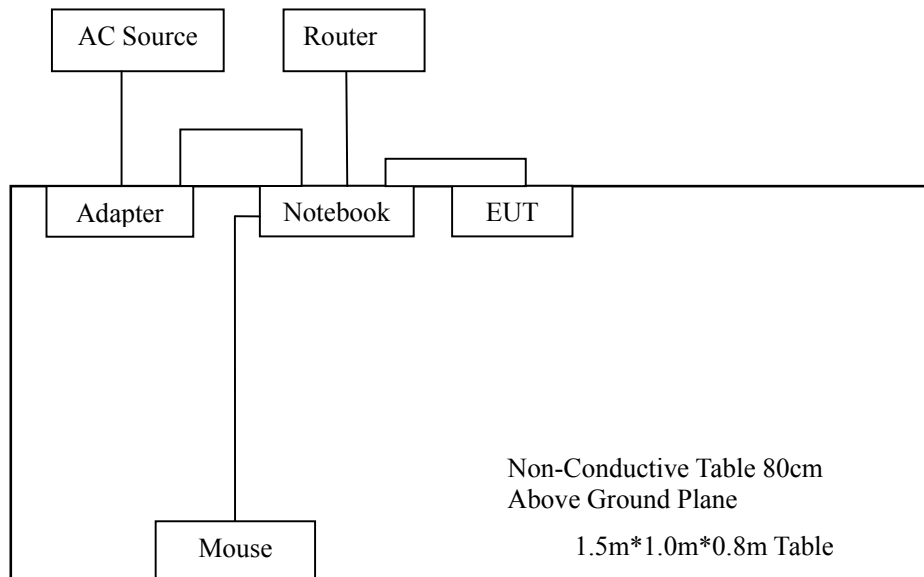
Block Diagram of Radiated Test Setup

Test mode1~ Test mode2:

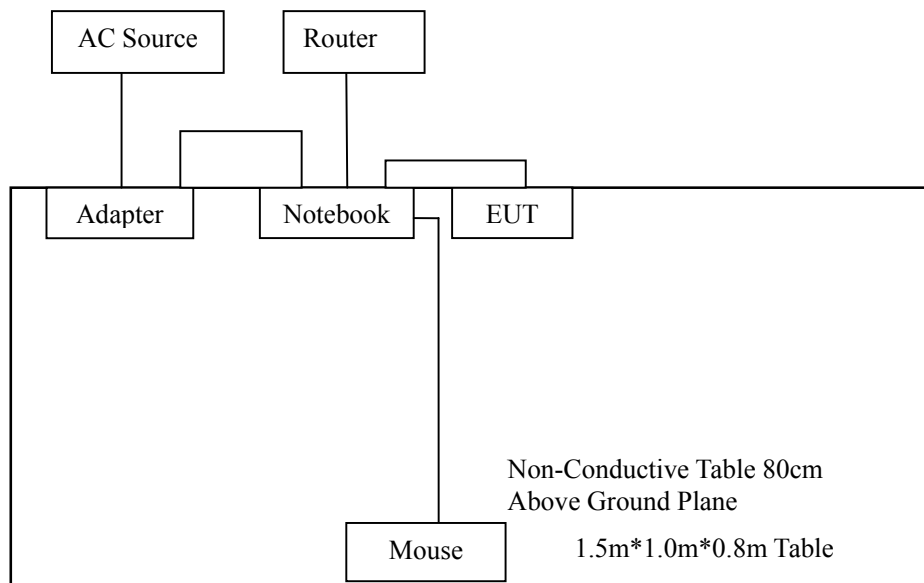


Test mode3:

Below 1GHz:



Above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	Conducted Emissions	Compliant
§15.109	Radiated Emissions	Compliant

FCC §15.107 –CONDUCTED EMISSIONS

Applicable Standard

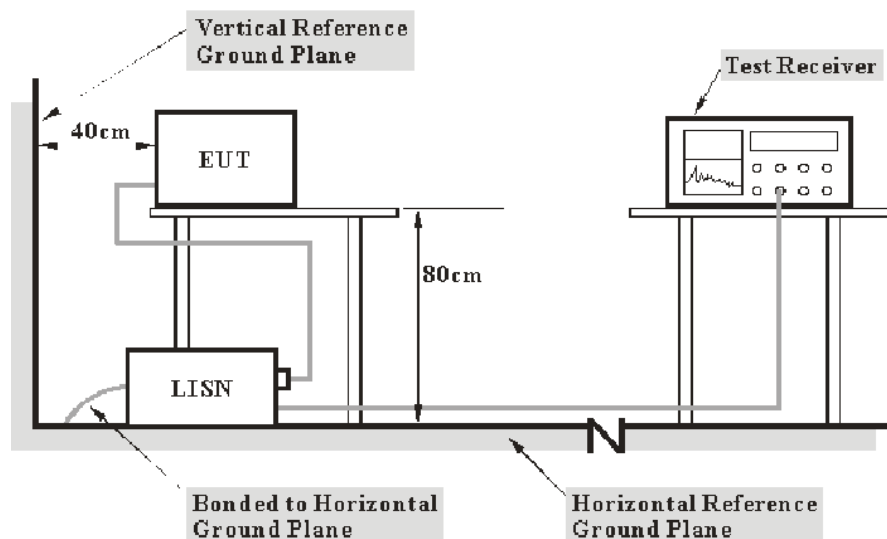
According to FCC§15.107

Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between LISN and receiver, LISN voltage division factor, LISN VDF frequency interpolation and receiver related input quantities, etc.

Item		Measurement Uncertainty	$U_{\text{cisp}}r$
Conducted Emission	150kHz~30MHz	3.19 dB	3.4 dB

EUT Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.4-2014. The related limit was specified in FCC Part 15.107 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESR	1316.3003K03-101746-zn	2020-07-28	2021-07-27
Rohde & Schwarz	LISN	ENV216	101115	2020-11-27	2021-11-26
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2020-08-10	2021-08-09
Audix	Test Software	e3	V9	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-15	015	2020-08-15	2021-08-14

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Factor & Over Limit Calculation

The Factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Attenuator. The basic equation is as follows:

$$\text{Factor (dB)} = \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Attenuator (dB)}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

$$\text{Over Limit (dB)} = \text{Read level (dB}\mu\text{V)} + \text{Factor (dB)} - \text{Limit (dB}\mu\text{V)}$$

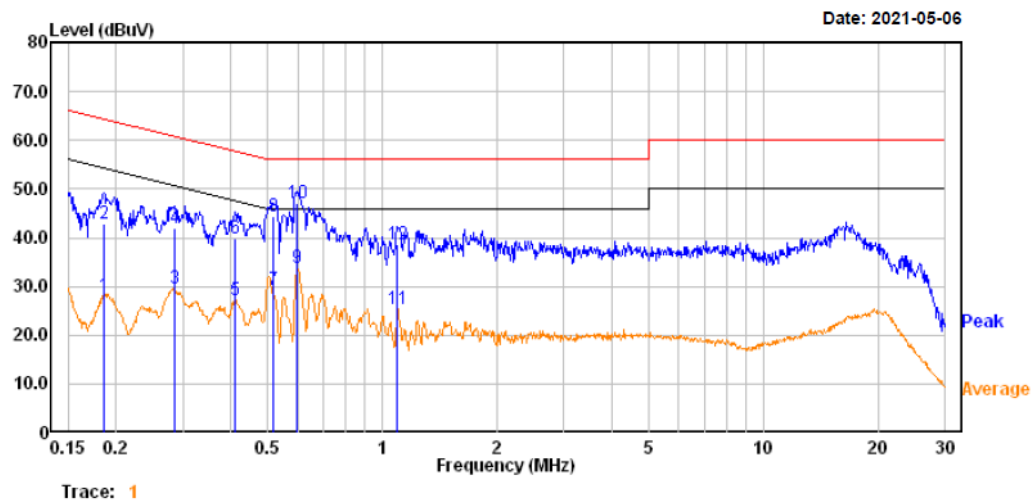
Test Data**Environmental Conditions**

Temperature:	26.8°C
Relative Humidity:	54 %
ATM Pressure:	101 kPa

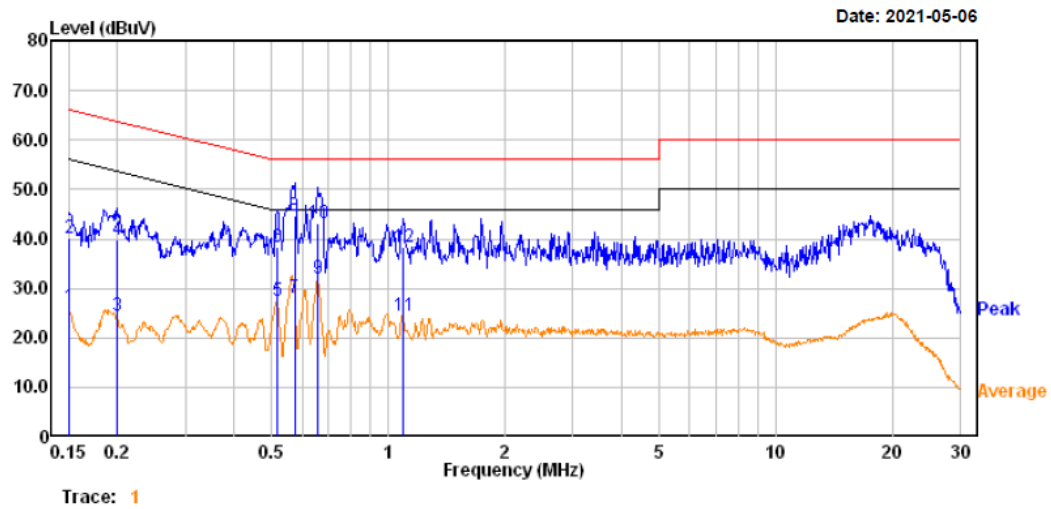
The testing was performed by Kaka Lei on 2021-05-06.

Test mode1:

Line:



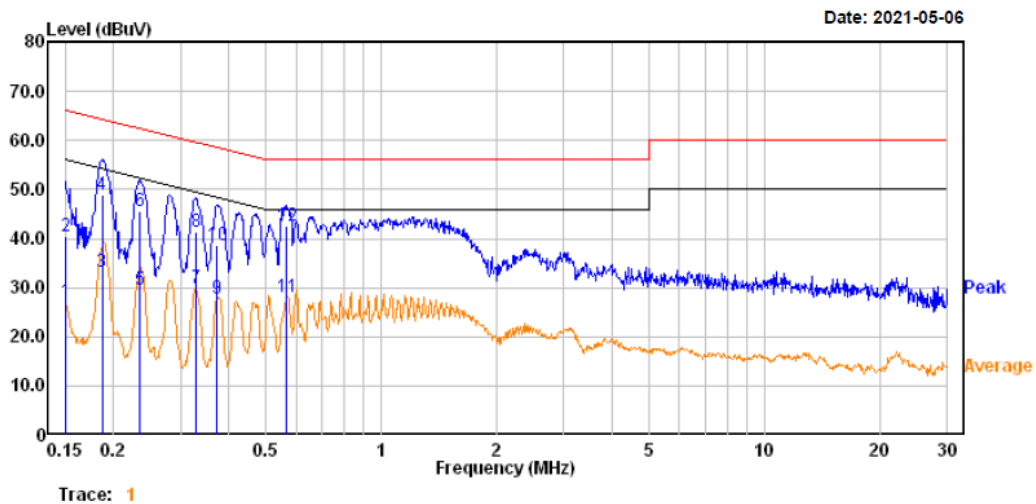
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.186	8.41	19.82	28.23	54.22	-25.99	Average
2	0.186	22.91	19.82	42.73	64.22	-21.49	QP
3	0.284	9.90	19.82	29.72	50.70	-20.98	Average
4	0.284	22.00	19.82	41.82	60.70	-18.88	QP
5	0.411	7.50	19.74	27.24	47.64	-20.40	Average
6	0.411	20.20	19.74	39.94	57.64	-17.70	QP
7	0.519	9.40	19.76	29.16	46.00	-16.84	Average
8	0.519	24.70	19.76	44.46	56.00	-11.54	QP
9	0.597	14.00	19.75	33.75	46.00	-12.25	Average
10	0.597	27.20	19.75	46.95	56.00	-9.05	QP
11	1.096	5.51	19.81	25.32	46.00	-20.68	Average
12	1.096	18.91	19.81	38.72	56.00	-17.28	QP

Neutral:

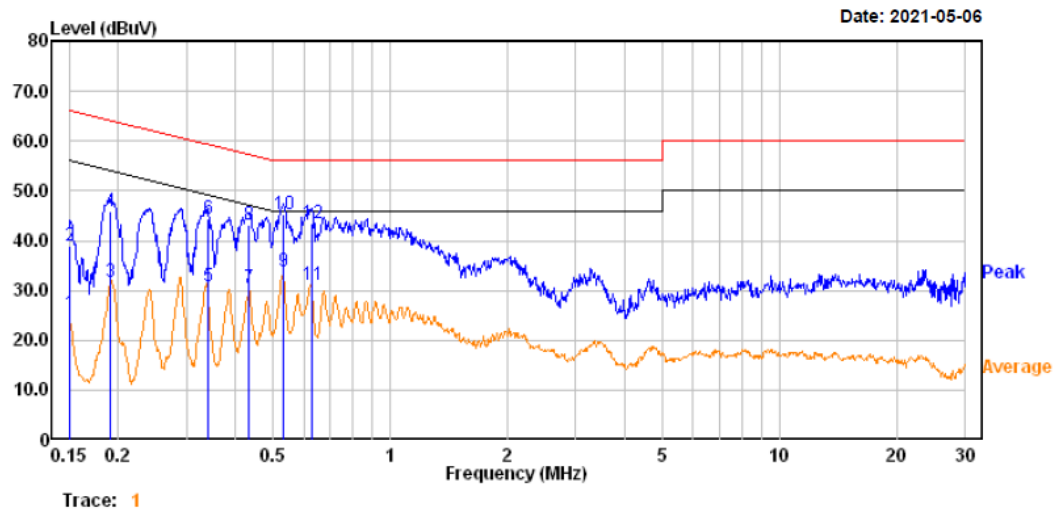
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	6.50	19.82	26.32	56.00	-29.68	Average
2	0.150	20.40	19.82	40.22	66.00	-25.78	QP
3	0.199	4.60	19.82	24.42	53.64	-29.22	Average
4	0.199	19.90	19.82	39.72	63.64	-23.92	QP
5	0.519	7.60	19.76	27.36	46.00	-18.64	Average
6	0.519	18.70	19.76	38.46	56.00	-17.54	QP
7	0.573	8.41	19.74	28.15	46.00	-17.85	Average
8	0.573	25.01	19.74	44.75	56.00	-11.25	QP
9	0.656	12.20	19.75	31.95	46.00	-14.05	Average
10	0.656	23.30	19.75	43.05	56.00	-12.95	QP
11	1.096	4.71	19.81	24.52	46.00	-21.48	Average
12	1.096	18.51	19.81	38.32	56.00	-17.68	QP

Test mode2:

Line:



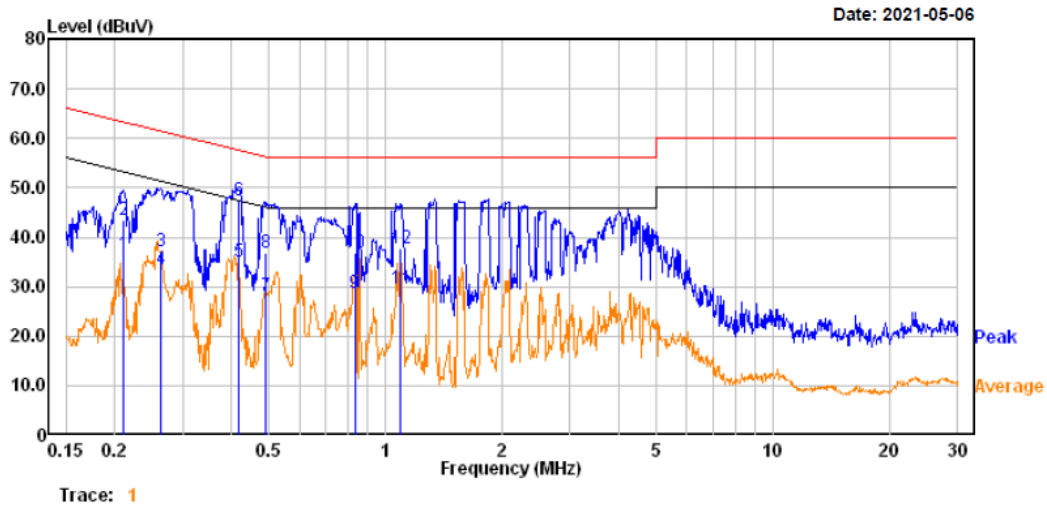
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	7.40	19.82	27.22	56.00	-28.78	Average
2	0.150	20.50	19.82	40.32	66.00	-25.68	QP
3	0.187	13.31	19.82	33.13	54.18	-21.05	Average
4	0.187	29.21	19.82	49.03	64.18	-15.15	QP
5	0.235	9.70	19.82	29.52	52.27	-22.75	Average
6	0.235	25.70	19.82	45.52	62.27	-16.75	QP
7	0.328	9.99	19.82	29.81	49.50	-19.69	Average
8	0.328	21.59	19.82	41.41	59.50	-18.09	QP
9	0.373	7.89	19.78	27.67	48.42	-20.75	Average
10	0.373	18.99	19.78	38.77	58.42	-19.65	QP
11	0.568	8.40	19.75	28.15	46.00	-17.85	Average
12	0.568	22.80	19.75	42.55	56.00	-13.45	QP

Neutral:

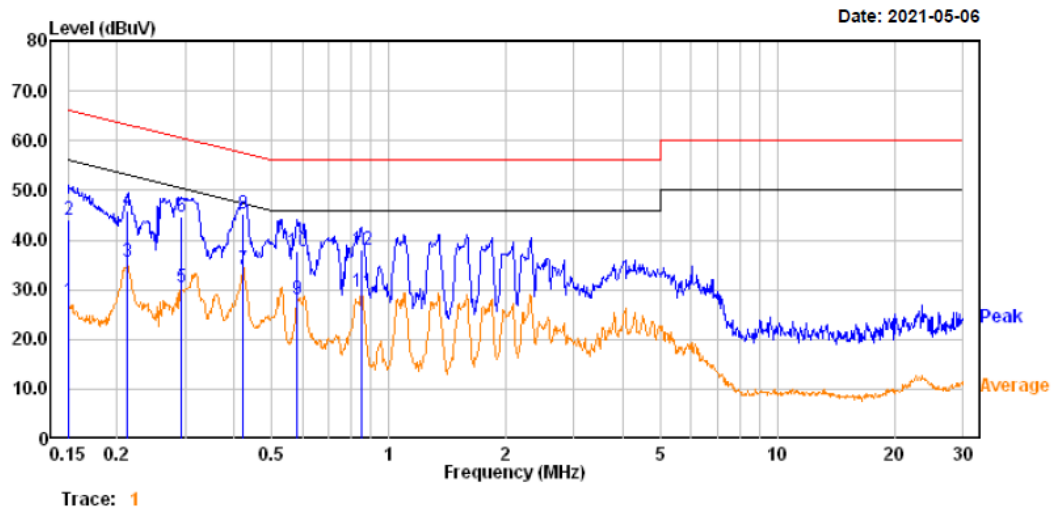
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	5.60	19.82	25.42	56.00	-30.58	Average
2	0.150	19.20	19.82	39.02	66.00	-26.98	QP
3	0.191	12.00	19.82	31.82	53.97	-22.15	Average
4	0.191	26.00	19.82	45.82	63.97	-18.15	QP
5	0.340	11.00	19.81	30.81	49.21	-18.40	Average
6	0.340	24.60	19.81	44.41	59.21	-14.80	QP
7	0.434	10.80	19.75	30.55	47.18	-16.63	Average
8	0.434	23.40	19.75	43.15	57.18	-14.03	QP
9	0.532	14.11	19.75	33.86	46.00	-12.14	Average
10	0.532	25.61	19.75	45.36	56.00	-10.64	QP
11	0.627	11.30	19.75	31.05	46.00	-14.95	Average
12	0.627	23.70	19.75	43.45	56.00	-12.55	QP

Test mode3:

Line:



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.211	16.80	19.82	36.62	53.18	-16.56	Average
2	0.211	23.70	19.82	43.52	63.18	-19.66	QP
3	0.263	17.20	19.82	37.02	51.32	-14.30	Average
4	0.263	13.60	19.82	33.42	61.32	-27.90	QP
5	0.417	15.30	19.74	35.04	47.51	-12.47	Average
6	0.417	27.60	19.74	47.34	57.51	-10.17	QP
7	0.491	8.20	19.76	27.96	46.15	-18.19	Average
8	0.491	17.20	19.76	36.96	56.15	-19.19	QP
9	0.833	9.10	19.71	28.81	46.00	-17.19	Average
10	0.833	17.20	19.71	36.91	56.00	-19.09	QP
11	1.090	9.90	19.82	29.72	46.00	-16.28	Average
12	1.090	17.80	19.82	37.62	56.00	-18.38	QP

Neutral:

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.151	7.90	19.82	27.72	55.96	-28.24	Average
2	0.151	24.40	19.82	44.22	65.96	-21.74	QP
3	0.213	15.80	19.82	35.62	53.10	-17.48	Average
4	0.213	26.20	19.82	46.02	63.10	-17.08	QP
5	0.294	10.80	19.83	30.63	50.41	-19.78	Average
6	0.294	24.90	19.83	44.73	60.41	-15.68	QP
7	0.423	14.39	19.75	34.14	47.39	-13.25	Average
8	0.423	25.39	19.75	45.14	57.39	-12.25	QP
9	0.582	8.30	19.75	28.05	46.00	-17.95	Average
10	0.582	18.00	19.75	37.75	56.00	-18.25	QP
11	0.850	9.90	19.71	29.61	46.00	-16.39	Average
12	0.850	18.30	19.71	38.01	56.00	-17.99	QP

Note:

- 1) Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Attenuator (dB)
- 2) Over Limit (dB) = Read level (dBuV) + Factor (dB) - Limit (dBuV)

FCC §15.109 - RADIATED EMISSIONS

Applicable Standard

FCC §15.109

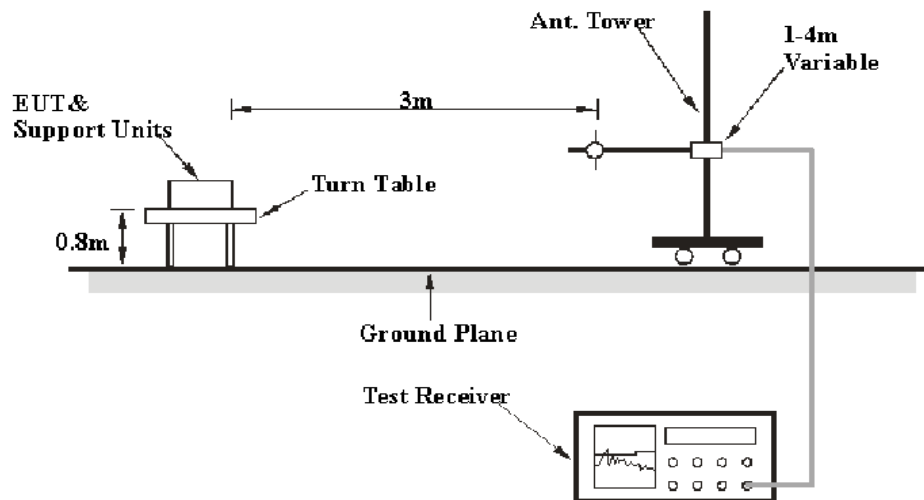
Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average) and system repeatability.

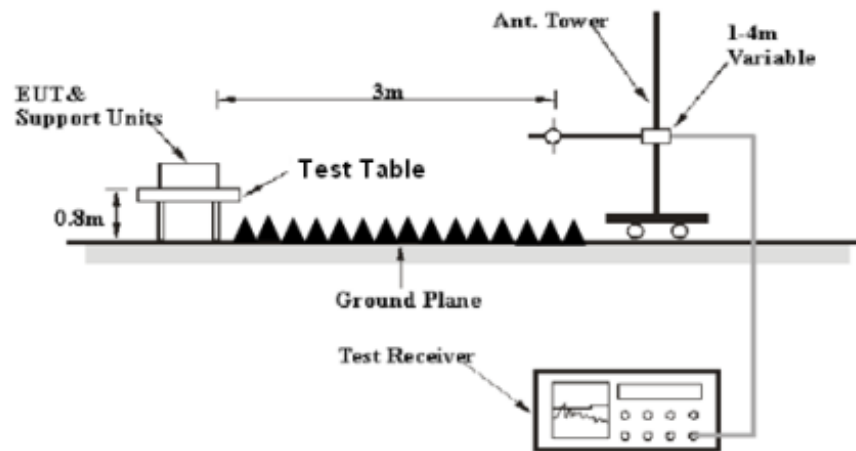
Item		Measurement Uncertainty	U_{cispr}
Radiated Emissions	30 MHz~1 GHz	6.11 dB	6.3 dB
	1 GHz~6 GHz	4.45 dB	5.2 dB
	1 GHz~18 GHz	5.23 dB	5.5 dB

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 30 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	Detector
30MHz – 1000 MHz	120 kHz	300 kHz	QP & Peak
Above 1 GHz	1MHz	3 MHz	Peak
	1MHz	3 MHz	AVG

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sonoma Instrument	Amplifier	310N	185700	2020-08-14	2021-08-13
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2020-11-27	2021-11-26
Sunol Sciences	Broadband Antenna	JB3	A090314-2	2020-01-07	2023-01-06
Champrotek	Chamber1#	3m-SAC 966	N/A	2019-05-08	2022-05-07
Albatross	Chamber 2#	3m-SAC 966	N/A	2019-05-08	2022-05-07
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
ETS	Horn Antenna	3115	9311-4159	2020-07-15	2023-07-14
Rohde & Schwarz	EMI Receiver	ESU40	100207/040	2021-03-16	2022-03-15
A.H.Systems,inc	Amplifier	PAM-0118P	512	2020-08-14	2021-08-13
MICRO-COAX	Coaxial Cable	Cable-4	004	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-5	005	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-8	008	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-9	009	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-10	010	2020-08-15	2021-08-14
SELECTOR	Amplifier	EM18G40G	060726	2021-03-22	2022-03-21
ETS	Horn Antenna	3116	2516	2020-01-07	2023-01-06

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

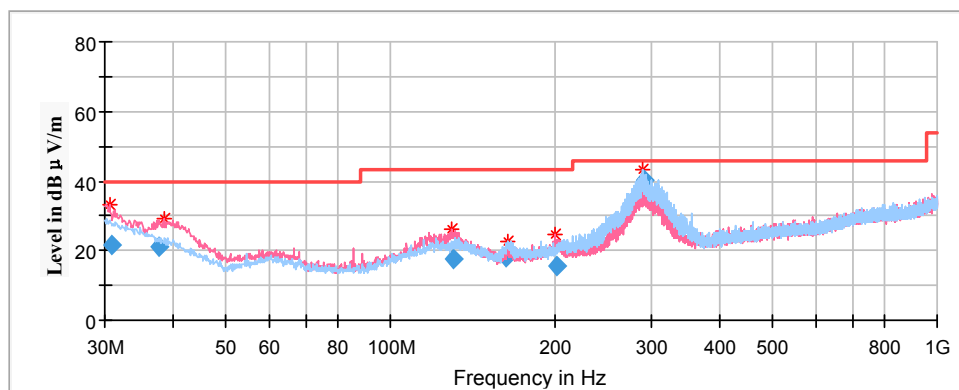
$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Data**Environmental Conditions**

Temperature:	25.2°C
Relative Humidity:	53 %
ATM Pressure:	101.3 kPa

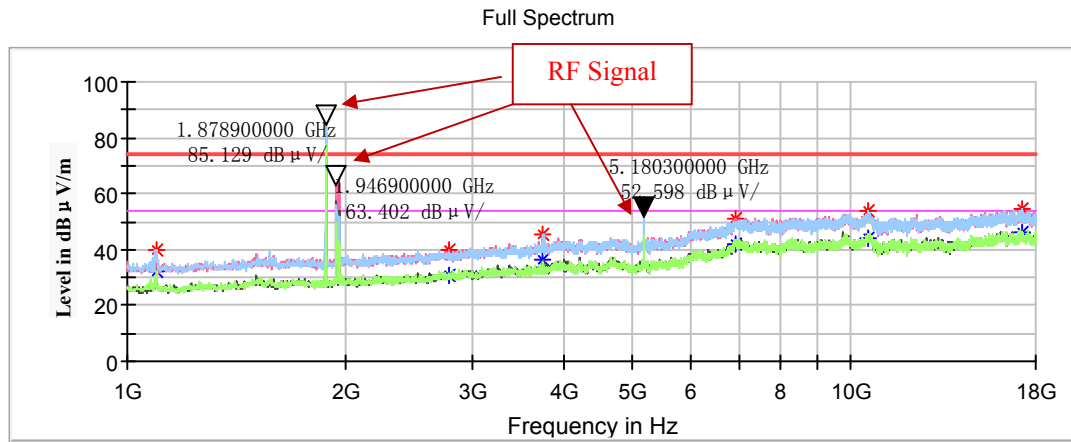
The testing was performed by Kaka Lei on 2021-05-10.

Test mode1:

1) Below 1 GHz:

Frequency (MHz)	Corrected Amplitude	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
	QuasiPeak (dB μ V/m)						
30.954829	21.88	40.00	18.12	100.0	V	239.0	-4.3
37.829900	20.90	40.00	19.10	100.0	V	191.0	-9.0
130.062050	17.67	43.50	25.83	100.0	V	282.0	-11.2
162.949650	18.03	43.50	25.47	199.0	H	359.0	-14.1
201.546650	15.51	43.50	27.99	100.0	V	312.0	-12.0
290.481800	40.33	46.00	5.67	100.0	H	217.0	-11.0

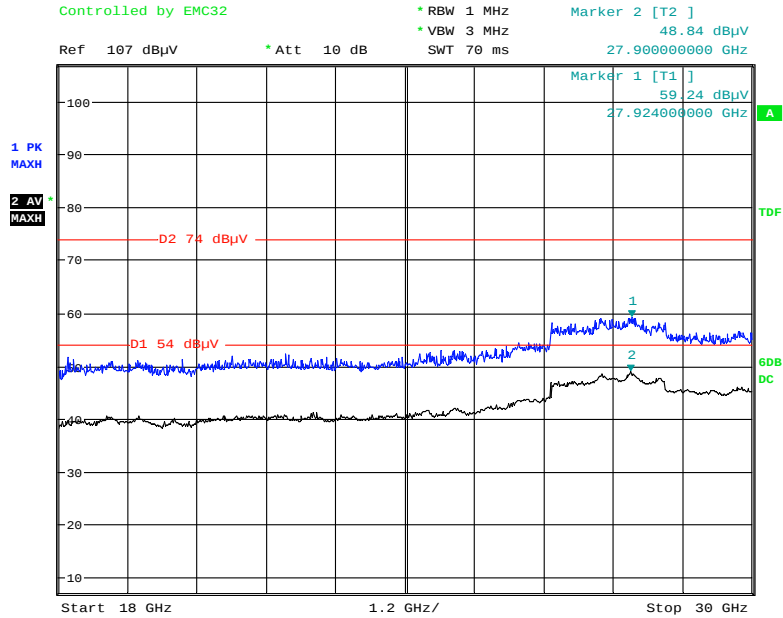
2) 1GHz-18GHz:



Frequency (MHz)	Corrected Amplitude		Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
	Max Peak (dBμV/m)	Average (dBμV/m)						
1096.900000	---	32.27	54.00	21.73	100.0	H	118.0	-11.9
1096.900000	39.79	---	74.00	34.21	100.0	H	118.0	-11.9
2786.700000	---	30.67	54.00	23.33	100.0	H	79.0	-4.3
2786.700000	39.71	---	74.00	34.29	200.0	V	54.0	-4.3
3759.100000	---	36.65	54.00	17.35	100.0	V	196.0	-0.6
3759.100000	45.42	---	74.00	28.58	200.0	H	24.0	-0.6
6904.100000	---	41.78	54.00	12.22	200.0	H	355.0	8.5
6904.100000	50.94	---	74.00	23.06	100.0	V	355.0	8.5
10530.200000	---	43.90	54.00	10.10	200.0	V	41.0	12.9
10530.200000	53.89	---	74.00	20.11	100.0	H	29.0	12.9
17197.600000	---	46.02	54.00	7.98	100.0	H	29.0	11.5
17197.600000	54.60	---	74.00	19.40	100.0	H	29.0	11.5

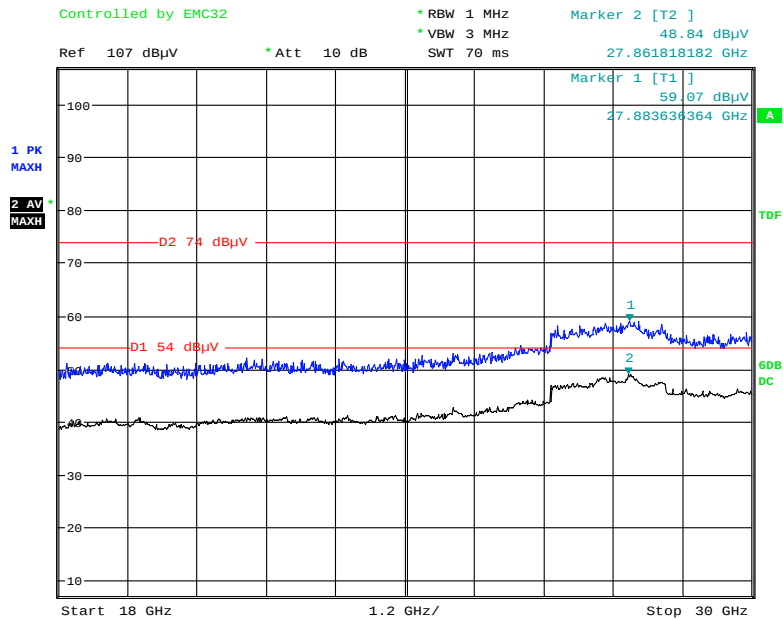
3) 18GHz-30GHz:

Horizontal:



Date: 10.MAY.2021 16:39:17

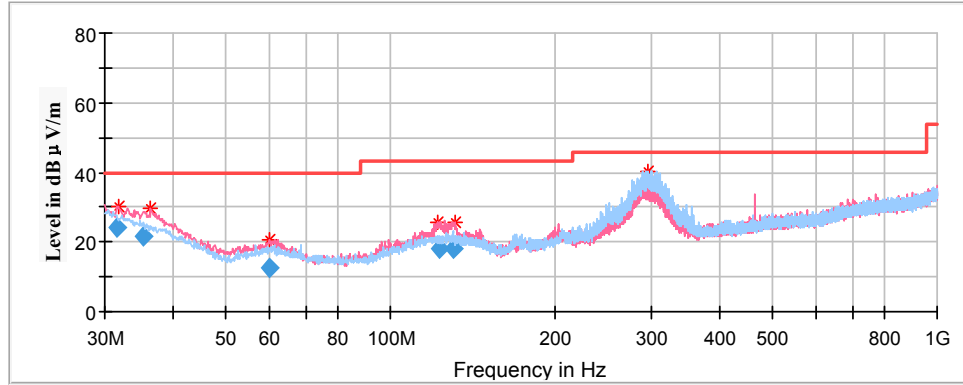
Vertical:



Date: 10.MAY.2021 16:45:58

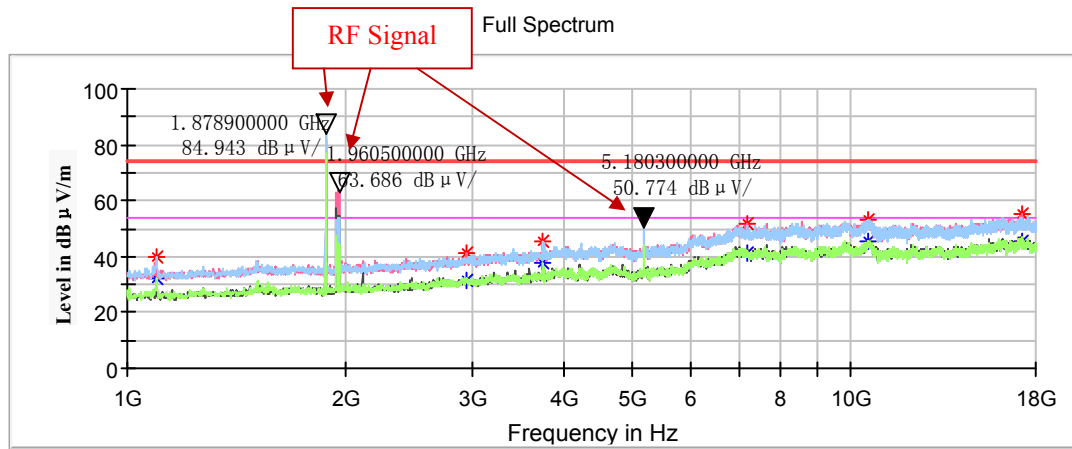
Test mode2:

1) Below 1 GHz:



Frequency (MHz)	Corrected Amplitude QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.812300	24.14	40.00	15.86	100.0	V	160.0	-4.7
35.281750	21.65	40.00	18.35	100.0	V	254.0	-7.2
59.952050	12.80	40.00	27.20	200.0	V	33.0	-14.5
122.880550	17.88	43.50	25.62	100.0	V	213.0	-10.9
130.563950	17.89	43.50	25.61	100.0	V	230.0	-11.2
296.518950	37.11	46.00	8.89	100.0	H	0.0	-10.9

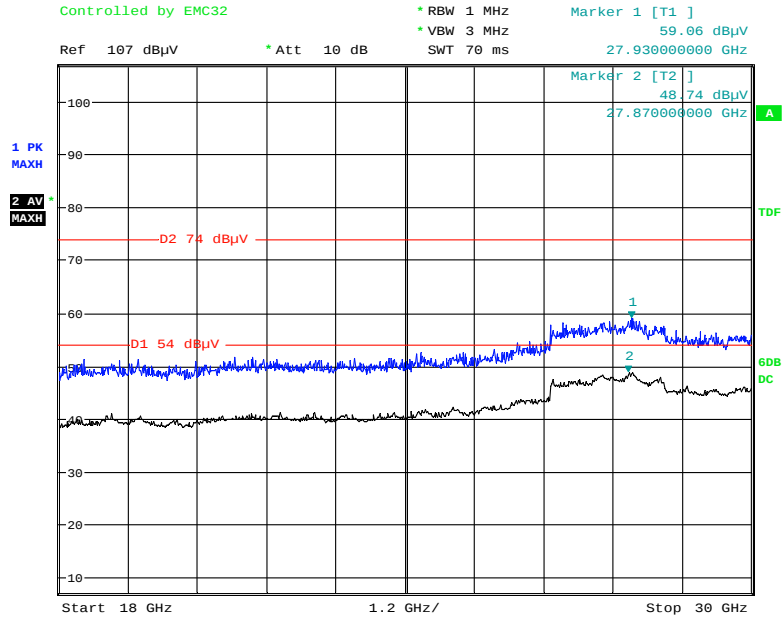
2) 1GHz-18GHz:



Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
	Max Peak (dB μ V/m)	Average (dB μ V/m)						
1096.900000	---	32.15	54.00	21.85	100.0	H	105.0	-11.9
1096.900000	39.52	---	74.00	34.48	100.0	H	105.0	-11.9
2936.300000	---	31.47	54.00	22.53	100.0	H	92.0	-3.5
2936.300000	41.39	---	74.00	32.61	200.0	V	311.0	-3.5
3759.100000	---	37.89	54.00	16.11	100.0	H	245.0	-0.6
3759.100000	45.14	---	74.00	28.86	200.0	H	35.0	-0.6
7182.900000	---	41.07	54.00	12.93	100.0	V	169.0	9.0
7182.900000	51.85	---	74.00	22.15	100.0	V	169.0	9.0
10550.600000	---	45.14	54.00	8.86	200.0	H	259.0	12.9
10550.600000	53.11	---	74.00	20.89	200.0	V	245.0	12.9
17187.400000	---	45.28	54.00	8.72	200.0	V	0.0	11.6
17187.400000	54.95	---	74.00	19.05	200.0	V	0.0	11.6

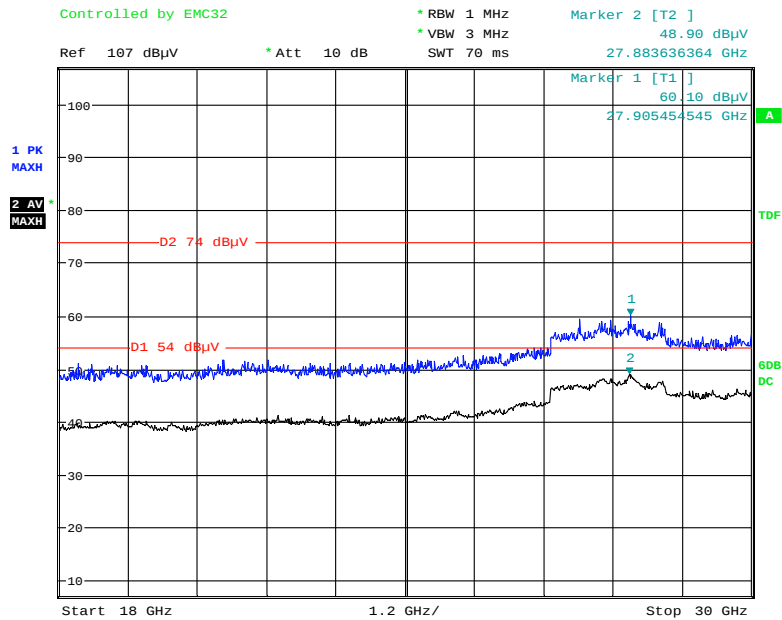
3) 18GHz-30GHz:

Horizontal:



Date: 10.MAY.2021 16:50:40

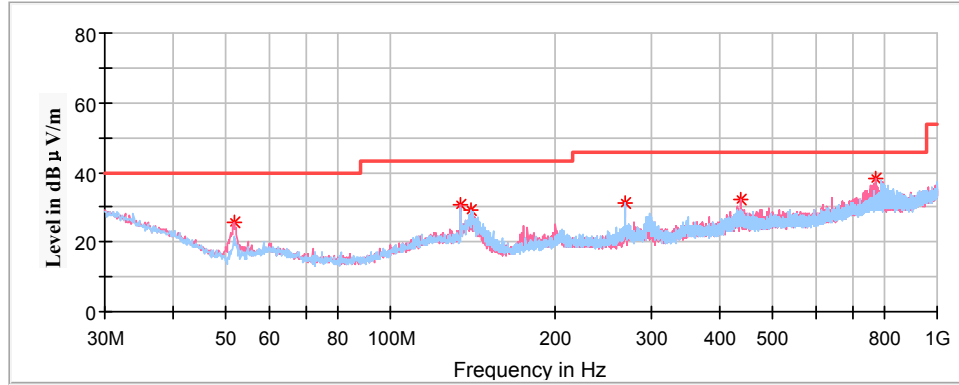
Vertical:



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Test mode3:

1) Below 1 GHz:

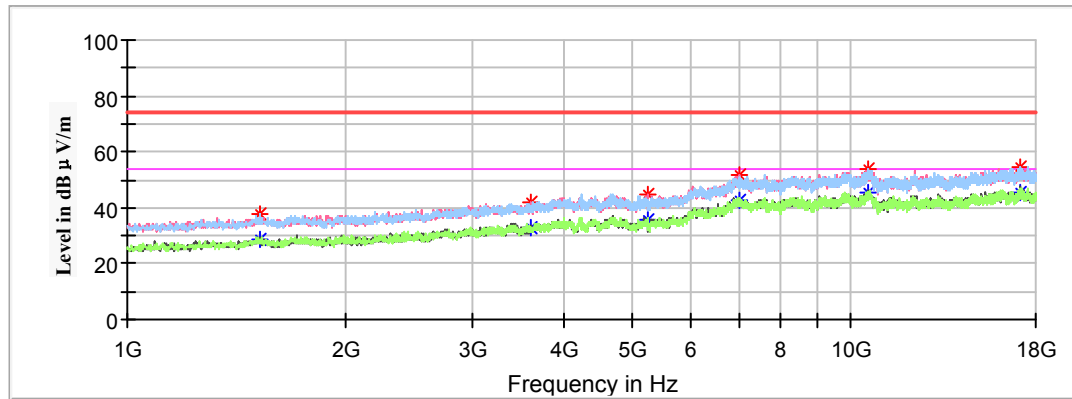


Frequency (MHz)	Corrected Amplitude MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
51.703750	25.76	40.00	14.24	100.0	V	142.0	-16.8
134.153750	30.90	43.50	12.60	100.0	V	66.0	-11.4
140.822500	29.37	43.50	14.13	200.0	H	347.0	-11.7
268.256250	31.22	46.00	14.78	100.0	H	296.0	-11.5
437.400000	32.22	46.00	13.78	100.0	V	354.0	-7.1
770.595000	38.21	46.00	7.79	200.0	V	65.0	-1.0

Note: The PK values of the emissions are 6dB below the QP Limit, So the QP values of the emissions were not recorded.

2) 1GHz-18GHz:

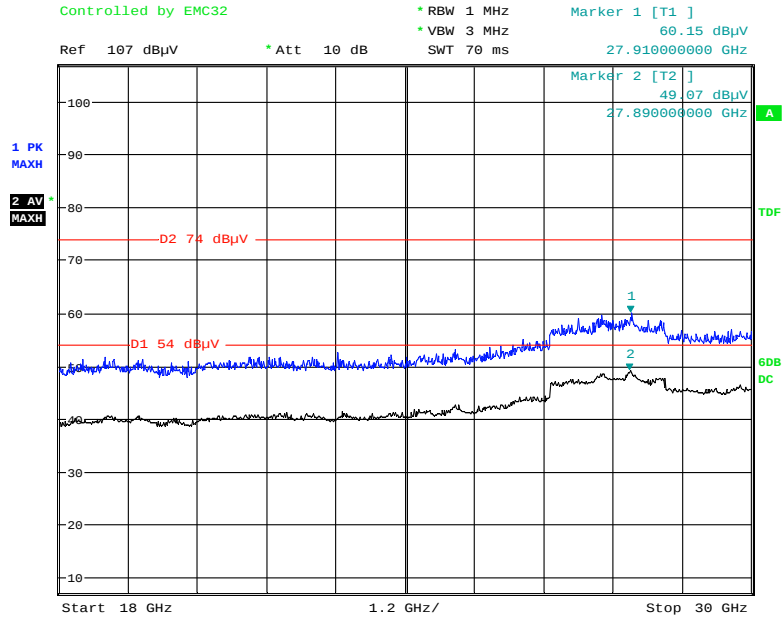
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
	Max Peak (dBμV/m)	Average (dBμV/m)						
1525.300000	---	28.51	54.00	25.49	200.0	V	151.0	-9.3
1525.300000	37.42	---	74.00	36.58	200.0	H	0.0	-9.3
3612.900000	---	32.62	54.00	21.38	100.0	V	280.0	-1.3
3612.900000	41.74	---	74.00	32.26	100.0	V	280.0	-1.3
5229.600000	---	35.67	54.00	18.33	100.0	V	359.0	1.5
5229.600000	44.53	---	74.00	29.47	200.0	V	215.0	1.5
7021.400000	---	42.55	54.00	11.45	200.0	V	227.0	8.9
7021.400000	51.69	---	74.00	22.31	200.0	V	227.0	8.9
10533.600000	---	45.71	54.00	8.29	200.0	H	76.0	12.9
10533.600000	53.58	---	74.00	20.42	200.0	V	50.0	12.9
17141.500000	---	45.26	54.00	8.74	100.0	H	336.0	11.7
17141.500000	54.65	---	74.00	19.35	200.0	V	189.0	11.7

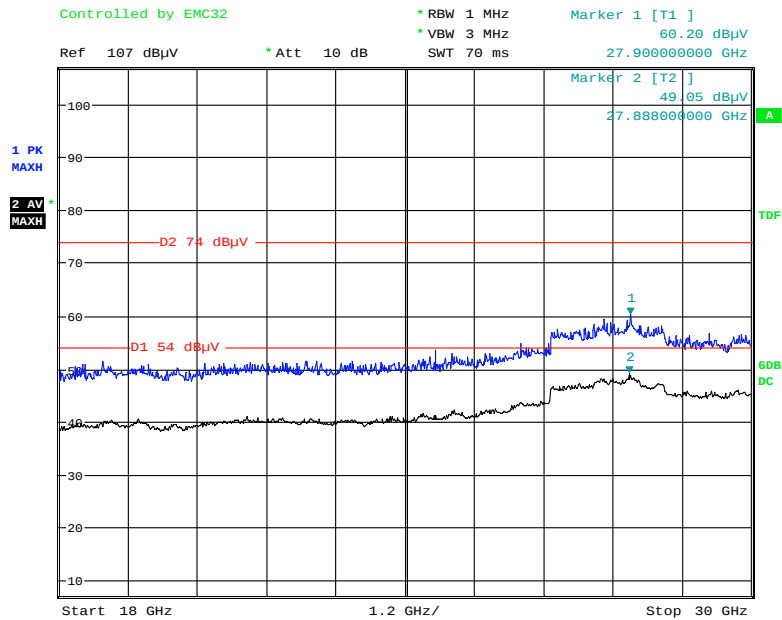
3) 18GHz-30GHz:

Horizontal:



Date: 10.MAY.2021 17:00:43

Vertical:



Date: 10.MAY.2021 17:05:42

Declarations

- 1: BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with an asterisk '*'. Customer model name, addresses, names, trademarks etc. are not considered data.
- 2: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
- 3: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 4: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
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*******END OF REPORT*******