



TESTING LABORATORY
CERTIFICATE#4323.01



FCC PART 15B

TEST REPORT

For

Shanghai Sunmi Technology Co.,Ltd.

Room 605, Block 7, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai 200433 China

FCC ID: 2AH25T8910

Report Type: Original Report	Product Type: Handheld Wireless Terminal
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Report Number: RKSA201026002-00A	
Report Date: 2020-12-23	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	Shanghai Sunmi Technology Co.,Ltd.
Test Model	T8910
Product	Handheld Wireless Terminal
Rate Voltage	DC 5.0V from adapter and DC 3.8V from battery
*Highest Operating Frequency	5825MHz

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, 2.0A

Note: The highest operating frequency was provided by the applicant.

**All measurement and test data in this report was gathered from production sample serial number:*

RKSA201026002-1 (Assigned by BACL, Kunshan). The EUT supplied by the applicant was received on 2020-10-26.

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: 2AH25T8910

FCC Part 15.247 DSS for RFID submissions with FCC ID: 2AH25T8910

FCC Part 15.247 DSS for BT3.0 submissions with FCC ID: 2AH25T8910

FCC Part 15.407 NII submissions with FCC ID: 2AH25T8910

FCC Part 22H/24E/27/90 PCE submissions with FCC ID: 2AH25T8910

FCC Part 15.225 DXX submissions with FCC ID: 2AH25T8910

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 fashion (as normally used by a typical user).

Test Mode 1: Normal working & Charging by Adapter1

Test Mode 2: Normal working & Charging by Adapter2

Test Mode 3: USB Data transmission

EUT Exercise Software

No software was used to test.

Special Accessories

No special accessory was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

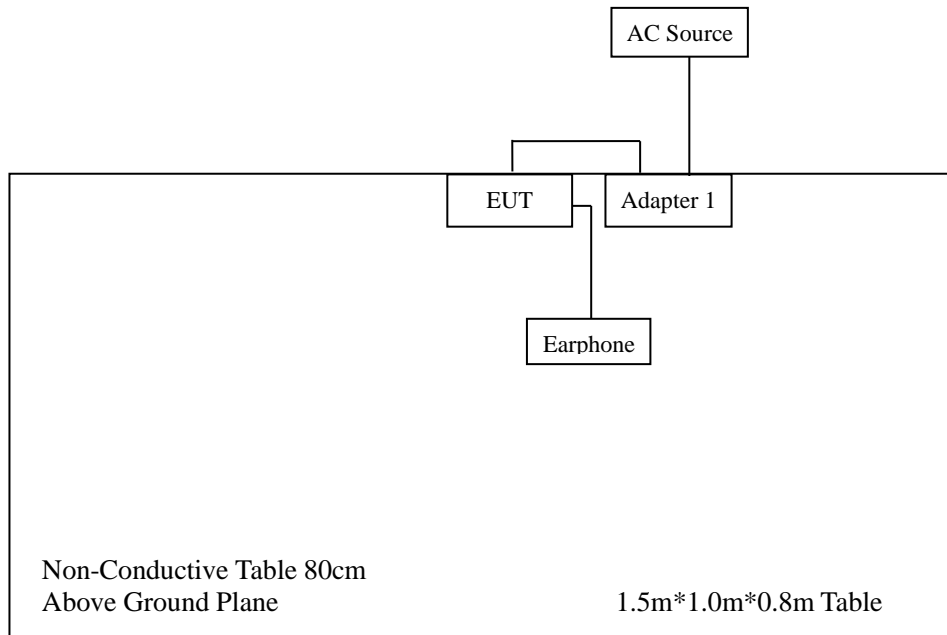
Manufacturer	Description	Model	Serial Number
BOLD	Earphone	/	/
DELL	Notebook	E6410	3094742521
Logitech	Mouse	M-U0026	HS529HB
DELL	Adapter 2	LA65NS0-00	DF263

External I/O Cable

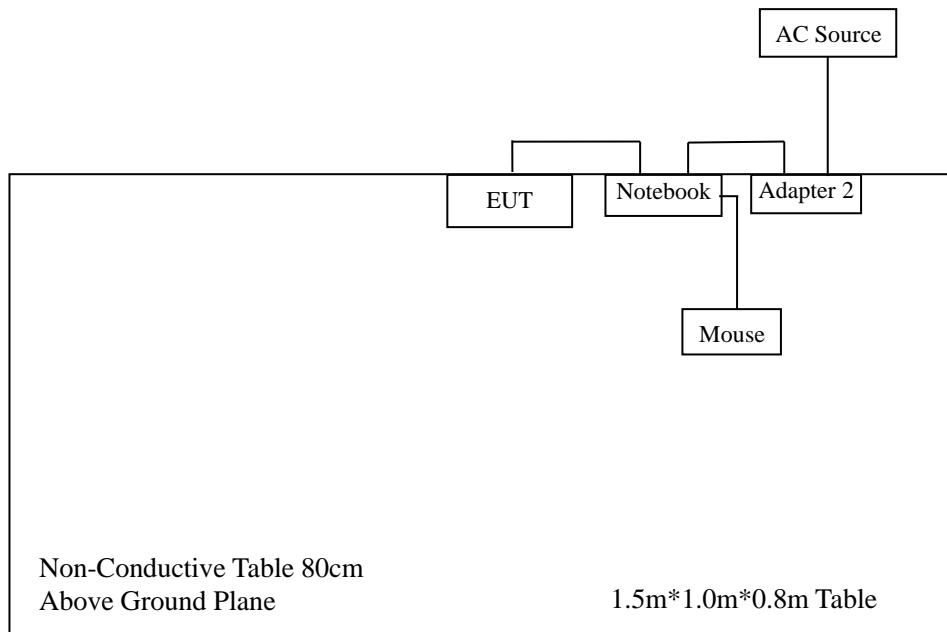
Cable Description	Length (m)	From	To
Audio Cable	1.0	EUT	Earphone
USB Cable	1.5	EUT	Adapter 1
Power Cable	1.0	Adapter 1	AC Source
USB Cable	2.0	EUT	Notebook
USB Cable	2.0	Notebook	Adapter 2
USB Cable	1.5	Notebook	Mouse
Power Cable	1.0	Adapter 2	AC Source

Block Diagram of Radiated Test Setup

Test mode 1 & 2:



Test mode 3:



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

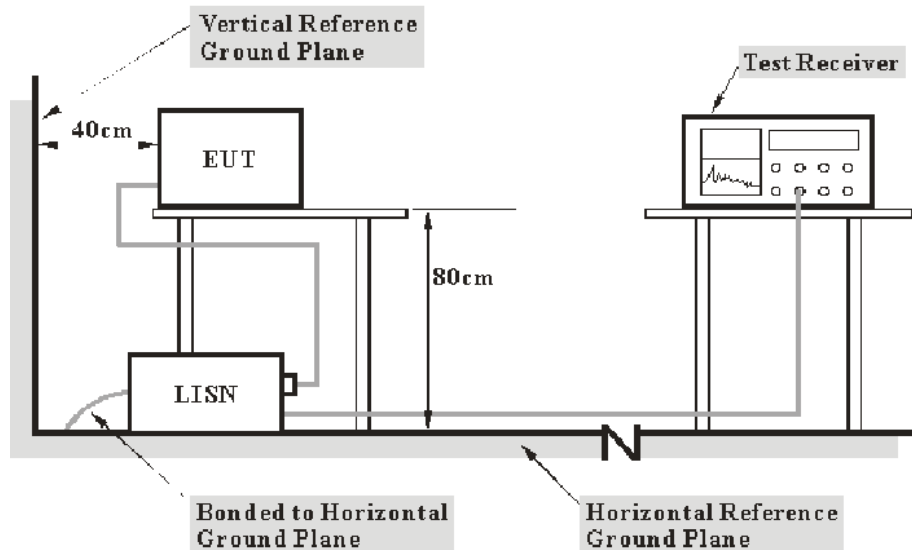
According to FCC§15.107

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	Terminal	Measurement Uncertainty	U_{cispr}	
Conducted Emission	150kHz~30MHz	AC Mains	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

During the conducted emission test, the adapter was connected to the outlet of the LISN.

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	2019-11-27	2020-11-26
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 Corrected Factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

$$\text{Factor (dB)} = \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)}$$

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

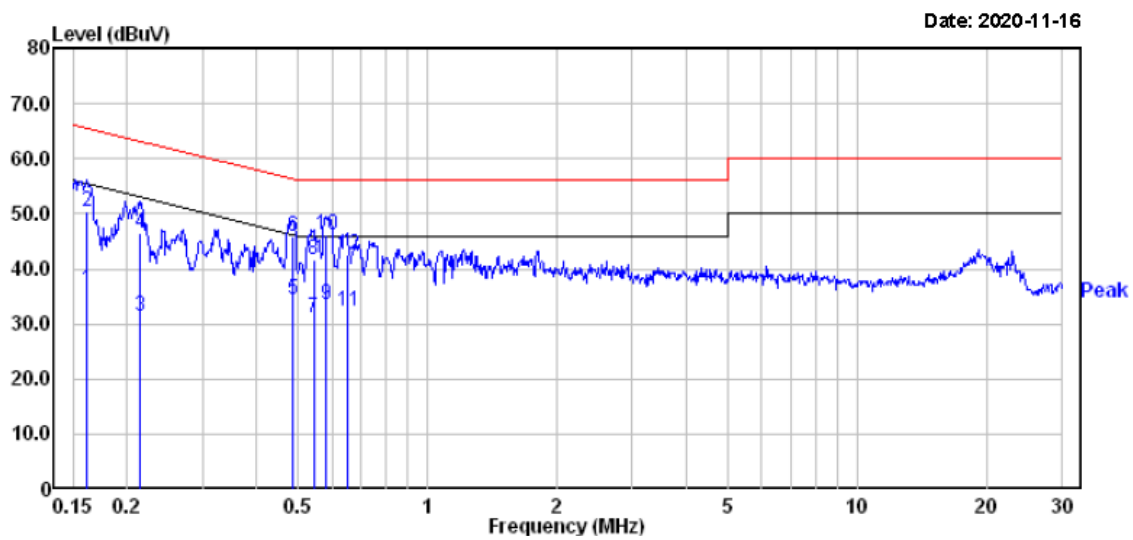
Environmental Conditions

Temperature:	22.5-25.3 °C
Relative Humidity:	48-54 %
ATM Pressure:	101.1-101.8 kPa

The testing was performed by Dean Zhou from 2020-11-12 to 2020-11-16.

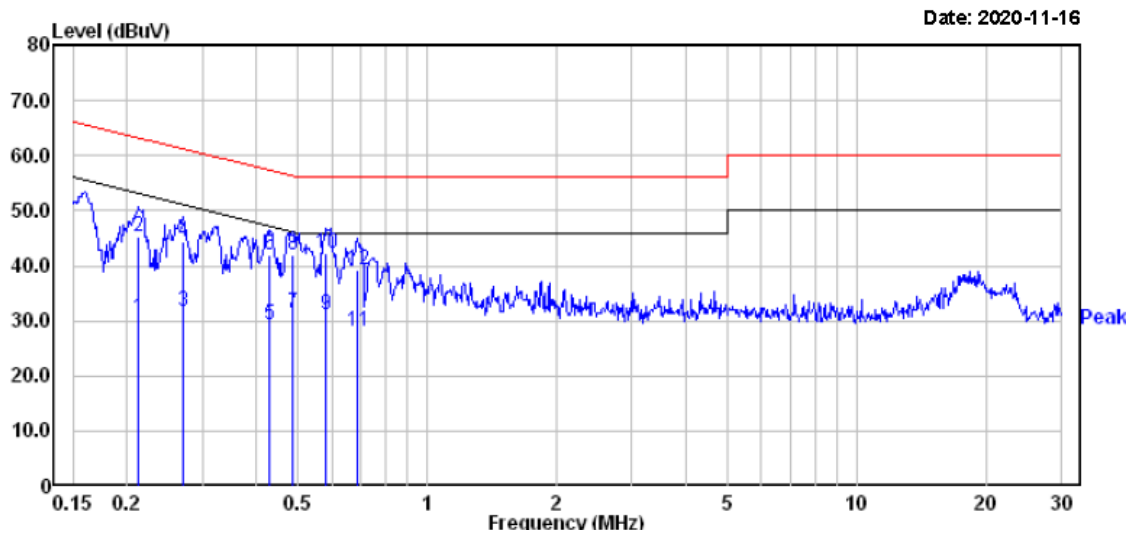
Test mode 1:

Line:



	Read		Limit	Over			
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.161	16.30	19.83	36.13	55.43	-19.30	Average
2	0.161	30.50	19.83	50.33	65.43	-15.10	QP
3	0.215	11.60	19.82	31.42	53.01	-21.59	Average
4	0.215	26.80	19.82	46.62	63.01	-16.39	QP
5	0.486	14.60	19.76	34.36	46.23	-11.87	Average
6	0.486	26.20	19.76	45.96	56.23	-10.27	QP
7	0.544	11.20	19.75	30.95	46.00	-15.05	Average
8	0.544	22.00	19.75	41.75	56.00	-14.25	QP
9	0.582	13.90	19.75	33.65	46.00	-12.35	Average
10	0.582	26.30	19.75	46.05	56.00	-9.95	QP
11	0.651	12.70	19.75	32.45	46.00	-13.55	Average
12	0.651	22.80	19.75	42.55	56.00	-13.45	QP

Neutral:



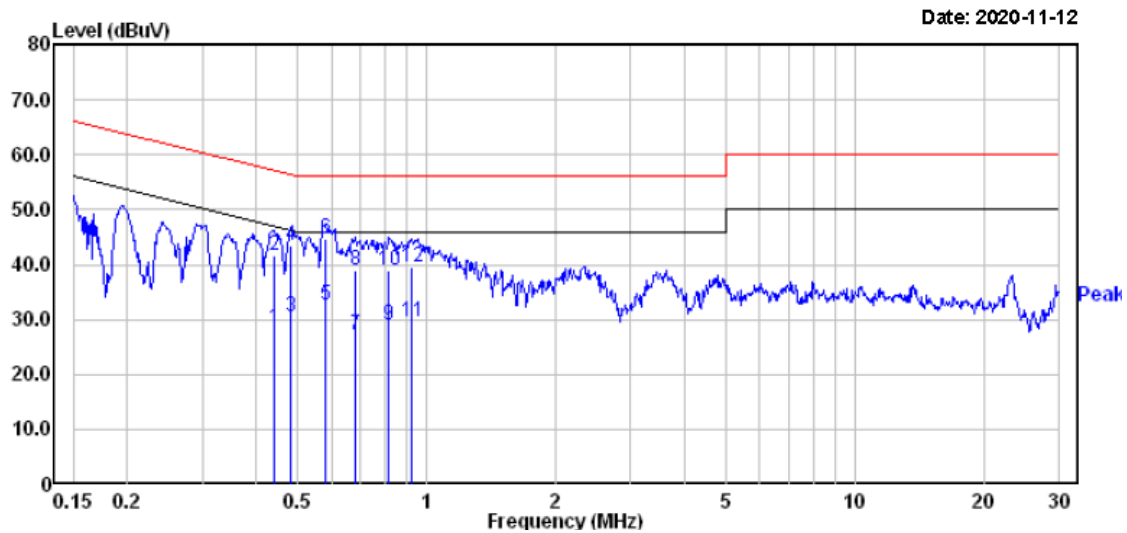
	Read	Limit	Over				
Freq	Level	Factor	Level	Line			
MHz	dBuV	dB	dBuV	dBuV			
1	0.213	10.70	19.82	30.52	53.10	-22.58	Average
2	0.213	25.50	19.82	45.32	63.10	-17.78	QP
3	0.270	11.90	19.82	31.72	51.12	-19.40	Average
4	0.270	24.60	19.82	44.42	61.12	-16.70	QP
5	0.428	9.40	19.75	29.15	47.29	-18.14	Average
6	0.428	22.10	19.75	41.85	57.29	-15.44	QP
7	0.486	11.60	19.76	31.36	46.23	-14.87	Average
8	0.486	22.30	19.76	42.06	56.23	-14.17	QP
9	0.582	11.40	19.75	31.15	46.00	-14.85	Average
10	0.582	22.40	19.75	42.15	56.00	-13.85	QP
11	0.690	8.30	19.75	28.05	46.00	-17.95	Average
12	0.690	19.60	19.75	39.35	56.00	-16.65	QP

Note:

- 1) Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
- 2) Over Limit (dB) = Read level (dBμV) + Factor (dB) - Limit (dBμV)

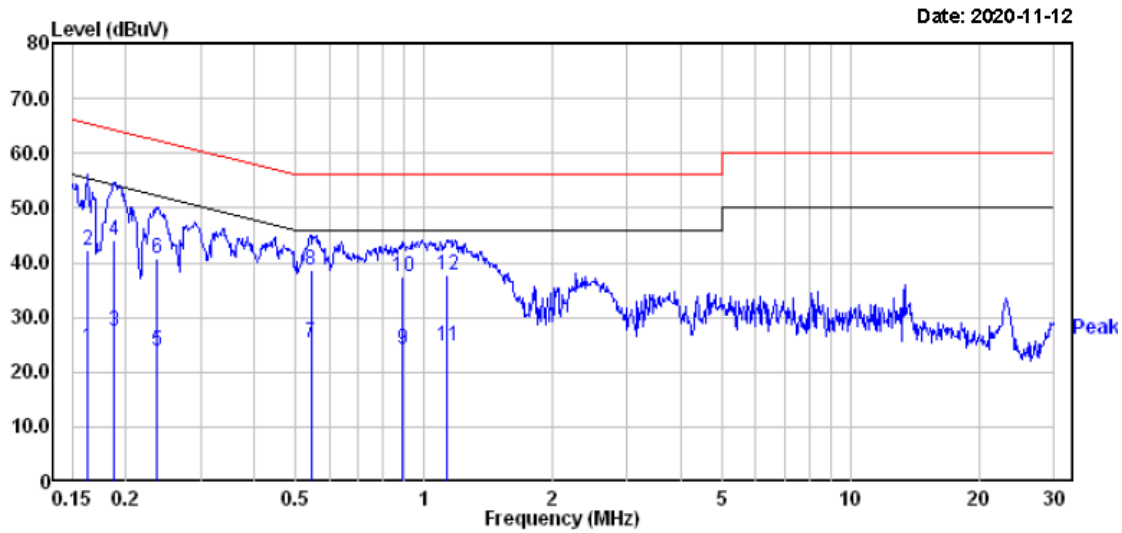
Test mode 2:

Line:



	Read	Limit	Over				
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.440	8.60	19.75	28.35	47.07	-18.72	Average
2	0.440	21.80	19.75	41.55	57.07	-15.52	QP
3	0.481	10.80	19.76	30.56	46.32	-15.76	Average
4	0.481	23.80	19.76	43.56	56.32	-12.76	QP
5	0.579	13.00	19.75	32.75	46.00	-13.25	Average
6	0.579	25.00	19.75	44.75	56.00	-11.25	QP
7	0.683	7.30	19.75	27.05	46.00	-18.95	Average
8	0.683	19.30	19.75	39.05	56.00	-16.95	QP
9	0.817	9.21	19.70	28.91	46.00	-17.09	Average
10	0.817	19.31	19.70	39.01	56.00	-16.99	QP
11	0.923	9.80	19.75	29.55	46.00	-16.45	Average
12	0.923	19.90	19.75	39.65	56.00	-16.35	QP

Neutral:



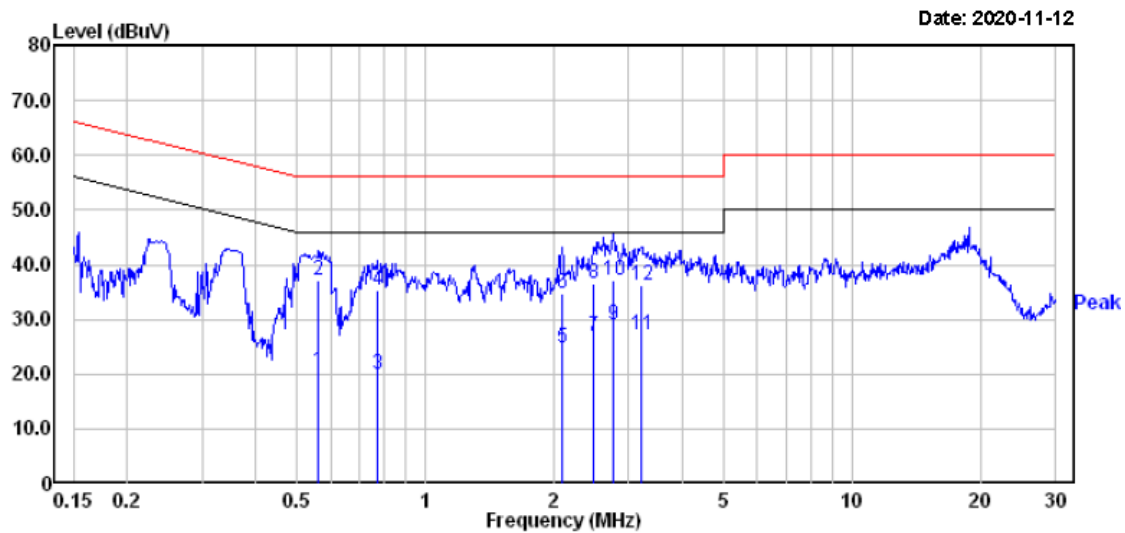
	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.163	4.50	19.83	24.33	55.30	-30.97	Average
2	0.163	22.50	19.83	42.33	65.30	-22.97	QP
3	0.187	7.51	19.82	27.33	54.15	-26.82	Average
4	0.187	24.21	19.82	44.03	64.15	-20.12	QP
5	0.237	3.90	19.82	23.72	52.22	-28.50	Average
6	0.237	20.80	19.82	40.62	62.22	-21.60	QP
7	0.544	5.60	19.75	25.35	46.00	-20.65	Average
8	0.544	18.80	19.75	38.55	56.00	-17.45	QP
9	0.894	4.40	19.73	24.13	46.00	-21.87	Average
10	0.894	17.80	19.73	37.53	56.00	-18.47	QP
11	1.129	4.90	19.81	24.71	46.00	-21.29	Average
12	1.129	18.00	19.81	37.81	56.00	-18.19	QP

Note:

- 1) Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
- 2) Over Limit (dB) = Read level (dBμV) + Factor (dB) - Limit (dBμV)

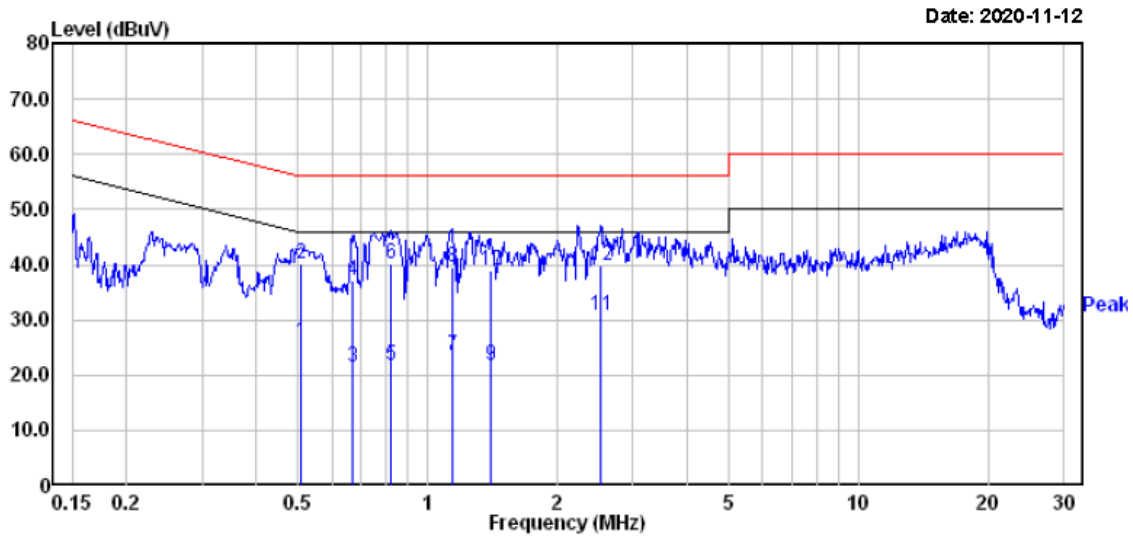
Test mode 3:

Line:



	Read	Limit	Over				
Freq	Level	Factor	Level	Line			
MHz	dBuV	dB	dBuV	dBuV			
1	0.561	0.80	19.75	20.55	46.00	-25.45	Average
2	0.561	17.30	19.75	37.05	56.00	-18.95	QP
3	0.771	0.11	19.71	19.82	46.00	-26.18	Average
4	0.771	15.71	19.71	35.42	56.00	-20.58	QP
5	2.088	5.10	19.76	24.86	46.00	-21.14	Average
6	2.088	15.00	19.76	34.76	56.00	-21.24	QP
7	2.487	7.30	19.48	26.78	46.00	-19.22	Average
8	2.487	16.90	19.48	36.38	56.00	-19.62	QP
9	2.765	9.40	19.47	28.87	46.00	-17.13	Average
10	2.765	17.80	19.47	37.27	56.00	-18.73	QP
11	3.207	7.60	19.46	27.06	46.00	-18.94	Average
12	3.207	16.70	19.46	36.16	56.00	-19.84	QP

Neutral:



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.510	6.10	19.76	25.86	46.00	-20.14	Average
2	0.510	20.50	19.76	40.26	56.00	-15.74	QP
3	0.672	1.60	19.75	21.35	46.00	-24.65	Average
4	0.672	17.50	19.75	37.25	56.00	-18.75	QP
5	0.822	2.01	19.70	21.71	46.00	-24.29	Average
6	0.822	20.41	19.70	40.11	56.00	-15.89	QP
7	1.141	3.60	19.81	23.41	46.00	-22.59	Average
8	1.141	19.60	19.81	39.41	56.00	-16.59	QP
9	1.403	1.91	19.83	21.74	46.00	-24.26	Average
10	1.403	19.21	19.83	39.04	56.00	-16.96	QP
11	2.527	11.29	19.48	30.77	46.00	-15.23	Average
12	2.527	20.49	19.48	39.97	56.00	-16.03	QP

Note:

- 1) Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
- 2) Over Limit (dB) = Read level (dBμV) + Factor (dB) - Limit (dBμV)

FCC §15.109 - RADIATED EMISSIONS

Applicable Standard

FCC §15.109

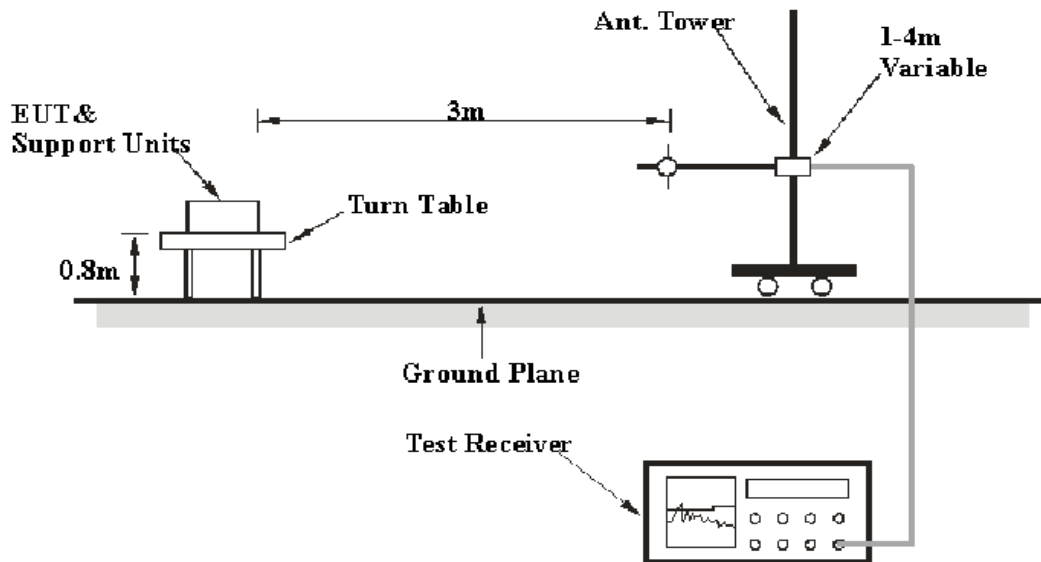
Measurement Uncertainty

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.

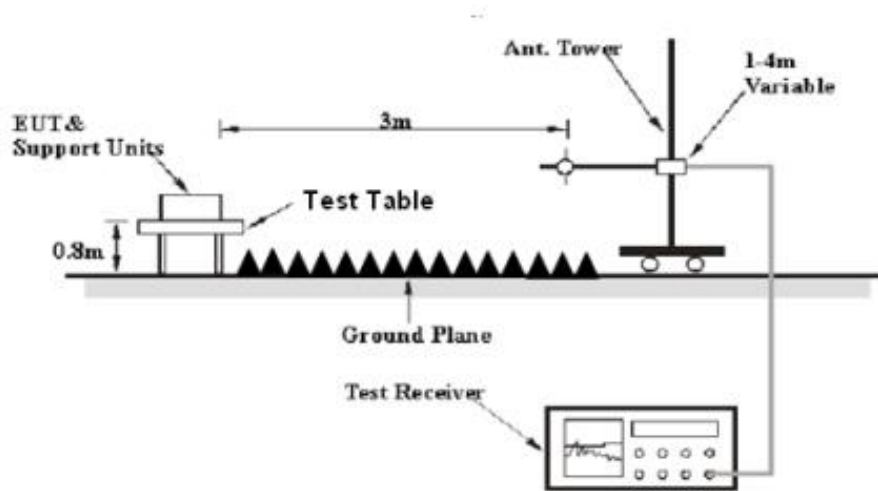
Item	Measurement Uncertainty	U_{cispr}
Radiated Emission	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6 GHz ~18 GHz	5.23dB

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	IF B/W	Detector
30MHz – 1000 MHz	120 kHz	300 kHz	120kHz	QP
Above 1 GHz	1MHz	3 MHz	/	Peak
	1MHz	3 MHz	1MHz	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	2019-11-27	2020-11-26
Sunol Sciences	Broadband Antenna	JB3	A090314-2	2020-01-07	2023-01-06
Champrotek	Chamber 1#	3m-SAC 966	NA	2019-05-08	2022-05-07
Albatross	Chamber 2#	3m-SAC 966	NA	2019-05-08	2022-05-07
Rohde & Schwarz	CE Test Software	EMC32	100361	N/A	N/A
ETS	Horn Antenna	3115	9311-4159	2020-07-15	2023-07-14
ETS-LINDGREN	Horn Antenna	3116	00084159	2019-12-12	2022-12-11
Rohde & Schwarz	EMI Receiver	ESU40	100207	2020-04-01	2021-03-31
A.H.Systems,inc	Amplifier	PAM-0118P	512	2020-02-20	2021-02-19
SELECTOR	Amplifier	EM18G40G	060726	2020-03-22	2021-03-21
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
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

* **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

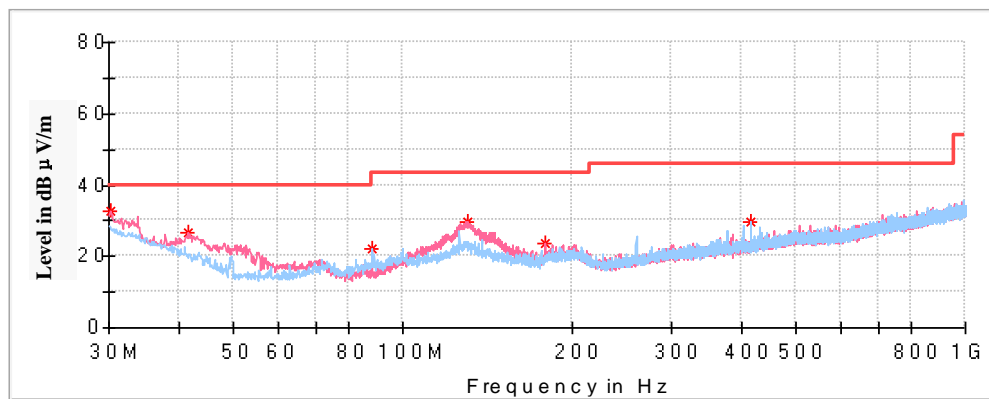
Environmental Conditions

Temperature:	22.9~25.3 °C
Relative Humidity:	50~55 %
ATM Pressure:	101.1~101.6 kPa

The testing was performed by Dean Zhou from 2020-10-27 to 2020-11-04.

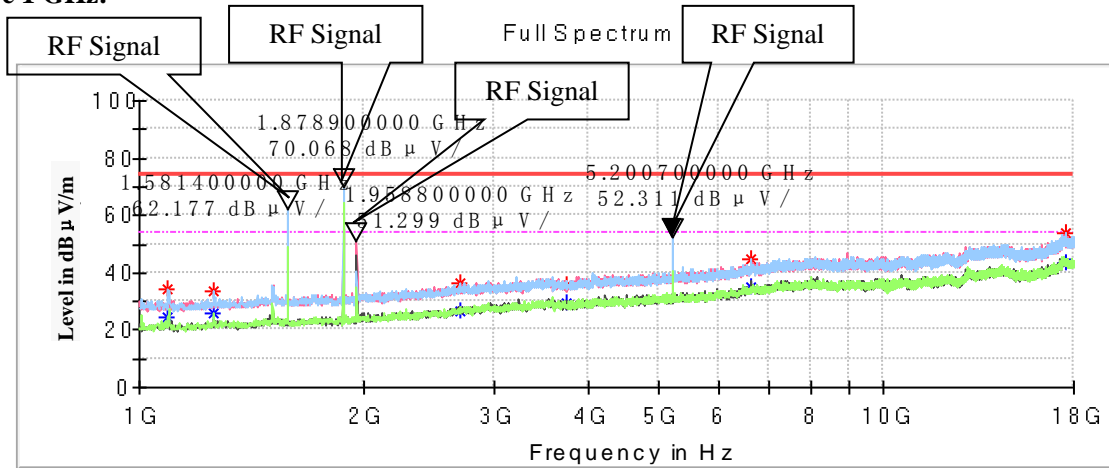
Test mode 1:

1) Below 1GHz:



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.121250	32.68	40.00	7.32	100.0	V	0.0	-4.7
41.518750	26.89	40.00	13.11	100.0	V	337.0	-12.3
87.957500	22.07	40.00	17.93	200.0	H	240.0	-17.7
130.031250	29.82	43.50	13.68	100.0	V	135.0	-11.4
179.258750	23.40	43.50	20.10	100.0	V	97.0	-13.1
415.211250	29.85	46.00	16.15	100.0	H	69.0	-8.2

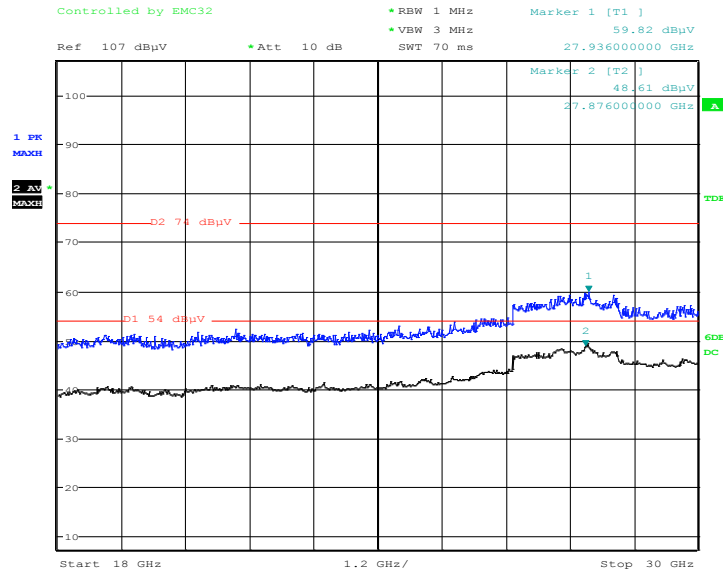
Above 1 GHz:



Frequency (MHz)	Max-Peak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1093.500000	34.23	---	74.00	39.77	100.0	H	116.0	-18.6
1093.500000	---	24.14	54.00	29.86	100.0	H	116.0	-18.6
1258.400000	33.30	---	74.00	40.70	200.0	H	219.0	-17.7
1258.400000	---	26.22	54.00	27.78	200.0	H	219.0	-17.7
2689.800000	---	26.88	54.00	27.12	100.0	H	181.0	-11.5
2689.800000	36.51	---	74.00	37.49	100.0	H	181.0	-11.5
3757.400000	---	29.12	54.00	24.88	200.0	V	207.0	-7.9
3757.400000	35.46	---	74.00	38.54	200.0	V	207.0	-7.9
6645.700000	---	35.20	54.00	18.80	100.0	H	283.0	-0.9
6645.700000	44.79	---	74.00	29.21	100.0	H	283.0	-0.9
17518.900000	---	43.28	54.00	10.72	200.0	H	97.0	8.9
17518.900000	53.58	---	74.00	20.42	200.0	H	97.0	8.9

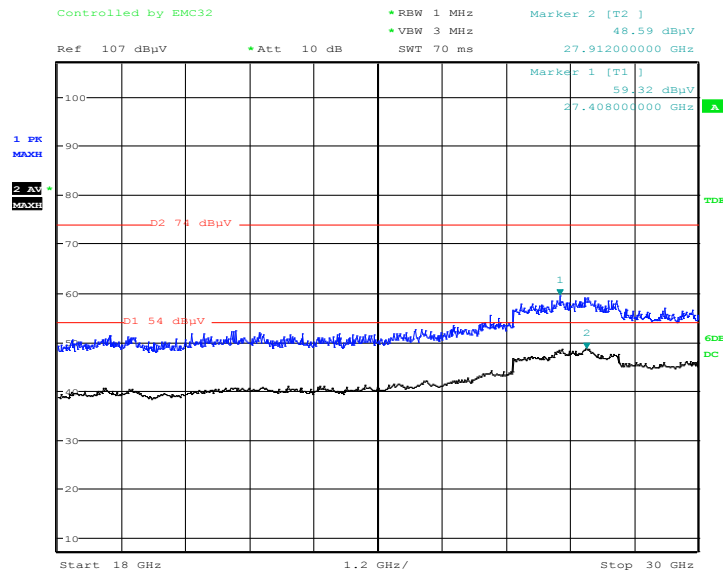
18GHz-30GHz:

Horizontal



Date: 27.OCT.2020 19:10:36

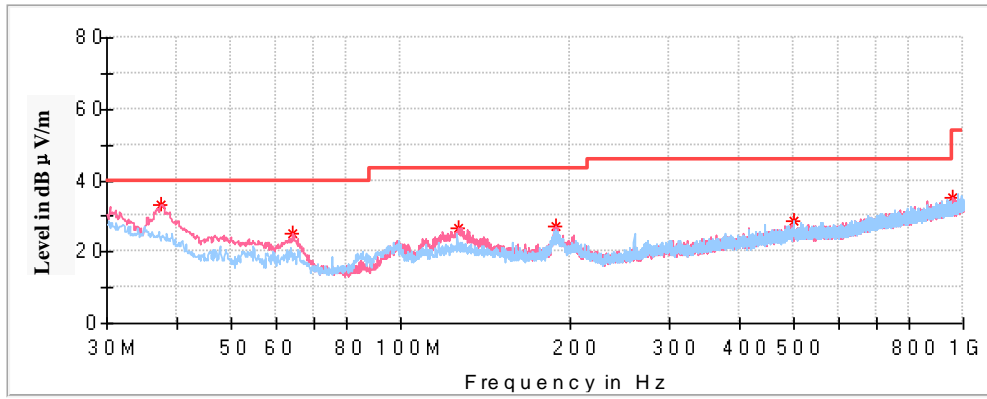
Vertical



Date: 27.OCT.2020 19:08:39

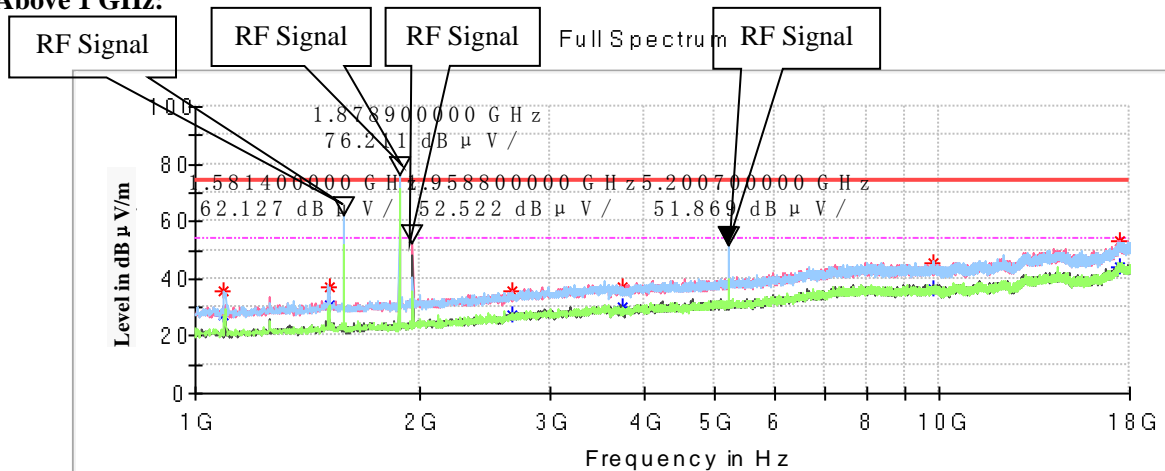
Test mode 2:

1) Below 1GHz:



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.396250	33.41	40.00	6.59	100.0	V	198.0	-9.5
64.192500	25.09	40.00	14.91	100.0	V	2.0	-17.6
126.757500	26.88	43.50	16.62	100.0	V	141.0	-11.3
188.231250	27.15	43.50	16.35	100.0	V	82.0	-12.4
499.965000	28.43	46.00	17.57	100.0	H	242.0	-6.0
956.228750	35.16	46.00	10.84	200.0	V	200.0	1.2

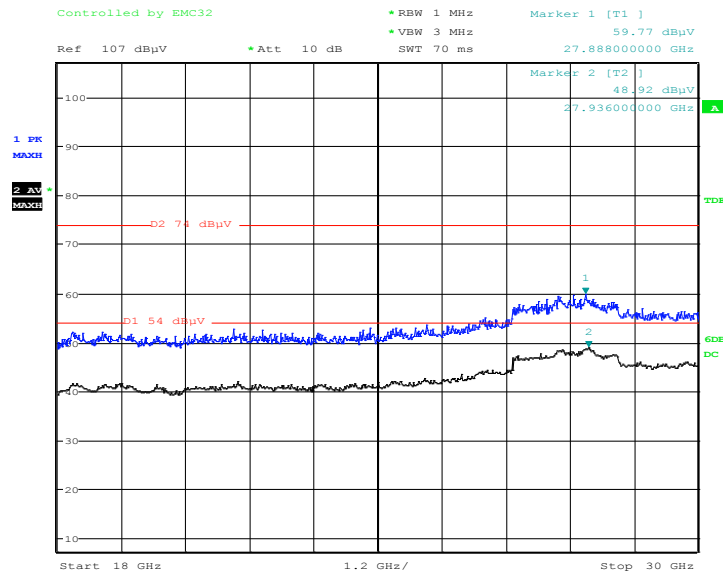
Above 1 GHz:



Frequency (MHz)	Max-Peak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1093.500000	---	27.48	54.00	26.52	100.0	H	116.0	-18.6
1093.500000	35.56	---	74.00	38.44	100.0	H	116.0	-18.6
1511.700000	---	31.08	54.00	22.92	100.0	H	194.0	-16.3
1511.700000	37.23	---	74.00	36.77	100.0	H	194.0	-16.3
2660.900000	---	27.28	54.00	26.72	200.0	V	200.0	-11.7
2660.900000	35.90	---	74.00	38.10	200.0	V	200.0	-11.7
3759.100000	---	30.18	54.00	23.82	100.0	H	359.0	-7.9
3759.100000	36.87	---	74.00	37.13	100.0	H	359.0	-7.9
9824.700000	---	36.36	54.00	17.64	100.0	H	124.0	2.0
9824.700000	45.79	---	74.00	28.21	100.0	H	124.0	2.0
17439.000000	---	44.05	54.00	9.95	100.0	V	226.0	8.7
17439.000000	53.29	---	74.00	20.71	100.0	V	226.0	8.7

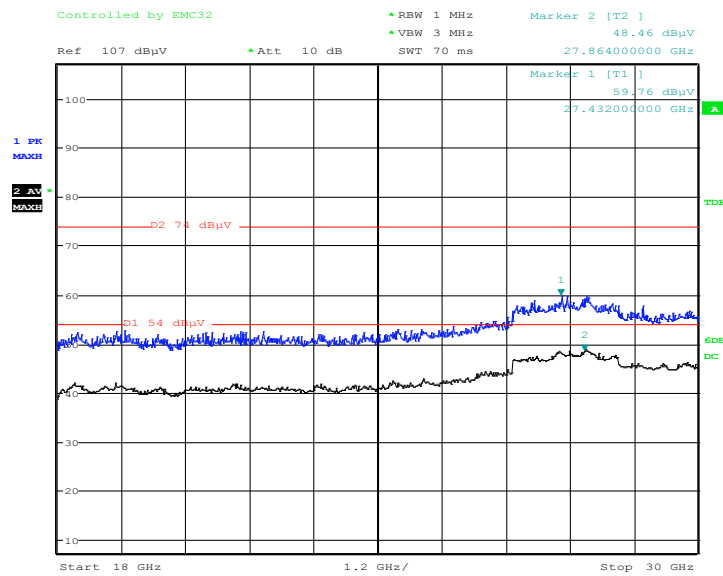
18GHz-30GHz:

Horizontal



Date: 27.OCT.2020 19:14:01

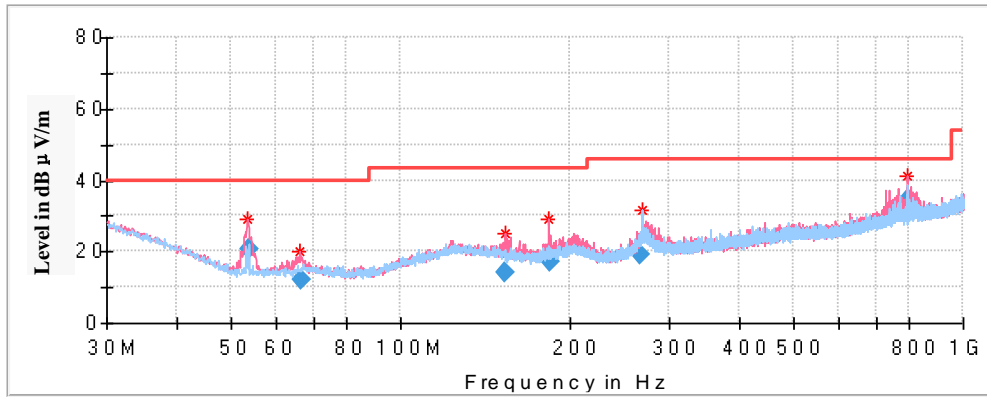
Vertical



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Test mode 3:

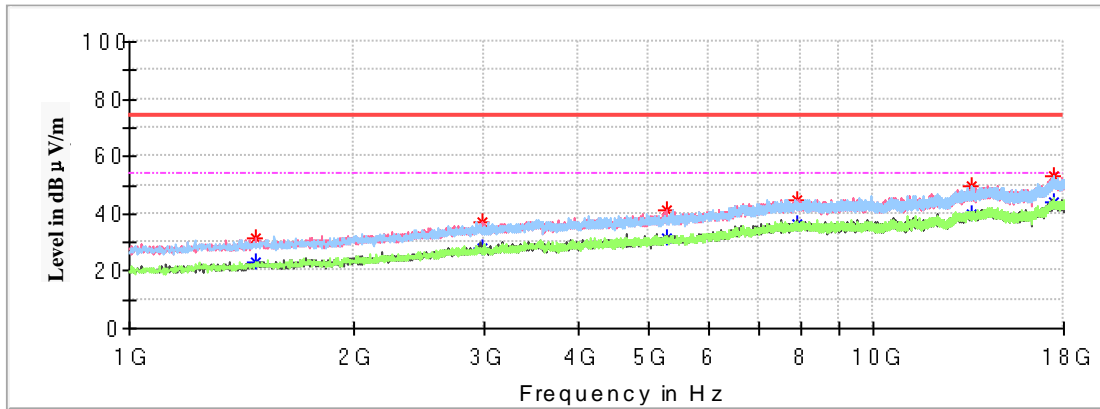
1) Below 1GHz:



Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.522500	29.22	40.00	10.78	100.0	V	273.0	-18.0
66.253750	20.22	40.00	19.78	100.0	V	158.0	-17.4
153.068750	25.39	43.50	18.11	100.0	V	70.0	-12.5
183.381250	29.15	43.50	14.35	100.0	V	63.0	-12.8
268.135000	31.92	46.00	14.08	200.0	V	164.0	-12.4
796.906250	41.41	46.00	4.59	100.0	V	324.0	-1.5

Above 1 GHz:

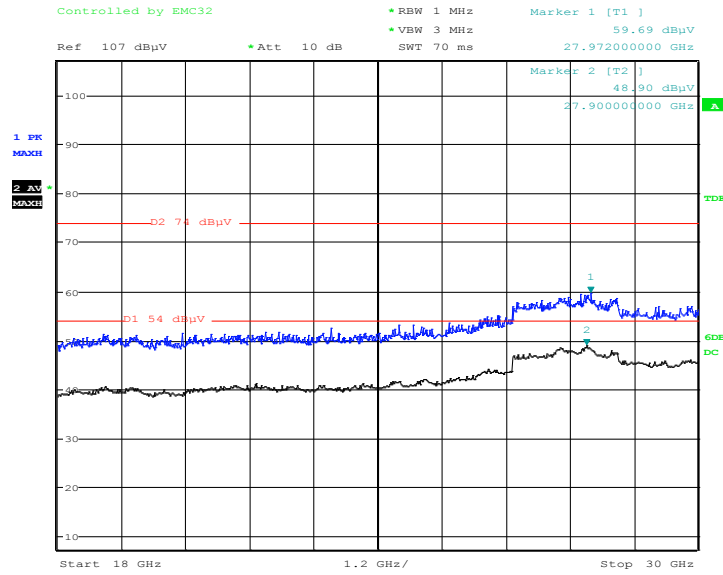
Full Spectrum



Frequency (MHz)	Max-Peak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1476.000000	---	22.93	54.00	31.07	100.0	H	359.0	-16.5
1476.000000	31.70	---	74.00	42.30	100.0	H	359.0	-16.5
2983.900000	---	28.01	54.00	25.99	100.0	V	46.0	-10.2
2983.900000	37.08	---	74.00	36.92	100.0	V	46.0	-10.2
5285.700000	---	31.40	54.00	22.60	200.0	V	25.0	-4.5
5285.700000	41.03	---	74.00	32.97	200.0	V	25.0	-4.5
7903.700000	---	36.27	54.00	17.73	200.0	V	170.0	1.7
7903.700000	44.46	---	74.00	29.54	200.0	V	170.0	1.7
13569.800000	---	39.59	54.00	14.41	200.0	V	91.0	5.7
13569.800000	49.72	---	74.00	24.28	200.0	V	91.0	5.7
17433.900000	---	44.14	54.00	9.86	100.0	H	148.0	8.7
17433.900000	52.84	---	74.00	21.16	100.0	H	148.0	8.7

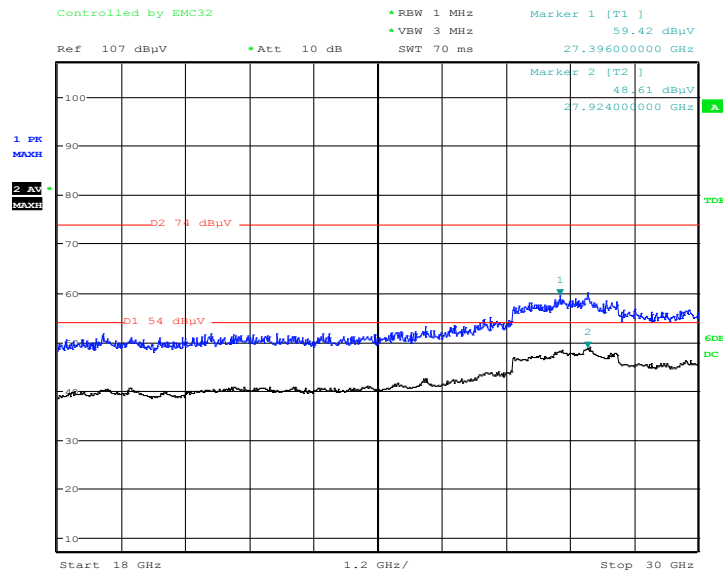
18GHz-30GHz:

Horizontal



Date: 27.OCT.2020 19:17:33

Vertical



Date: 27.OCT.2020 19:15:45

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*******