

FCC PART 15.249 TEST REPORT

For

Telink Semiconductor (Shanghai) Co., Ltd.

Bldg 3, No. 1500, Zuchongzhi Rd, Zhangjiang Hi-tech Park, Shanghai, China, 201203

FCC ID: OEOTLSRGSOCMT3VH

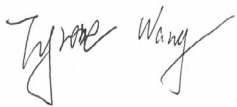
Report Type: Original Report	Product Type: TLSR8266 3V High-Precision Jig Evk
Project Engineer:	<u>Tyrone Wang</u> 
Report Number:	<u>RSHA210308010-00A</u>
Report Date:	<u>2021-03-24</u>
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Telink Semiconductor (Shanghai) Co., Ltd.
Tested Model:	TLSRGSOCMT3VH
Product Type:	TLSR8266 3V High-Precision Jig Evk
Power Supply:	DC 5V
RF Function:	SRD
Operating Band/Frequency:	2402-2480 MHz
Channel Number:	40
Channel Separation:	2 MHz
Antenna Type:	PCB Antenna
*Maximum Antenna Gain:	0.0 dBi

Note: The maximum antenna gain was declared by the applicant.

All measurement and test data in this report was gathered from production sample serial number: RSHA210308010-1(Assigned by BACL, Kunshan). The EUT was received on 2021-03-08.

Objective

This type approval report is prepared on behalf of *Telink Semiconductor (Shanghai) Co., Ltd.* in accordance with Part 2-Subpart J, and Part 15-Subparts A and C of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.249 rules.

Related Submittal(s)/Grant(s)

No related submittal/grant.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

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

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0°C
Humidity		6%

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 ISSED 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

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2402	21	2444
2	2404	...	...
...	...	...	...
19	2438	39	2478
20	2440	40	2480

EUT was tested with channel 1, 20 and 40.

EUT Exercise Software

RF test tool: EMI_test_tool

Support Equipment List and Details

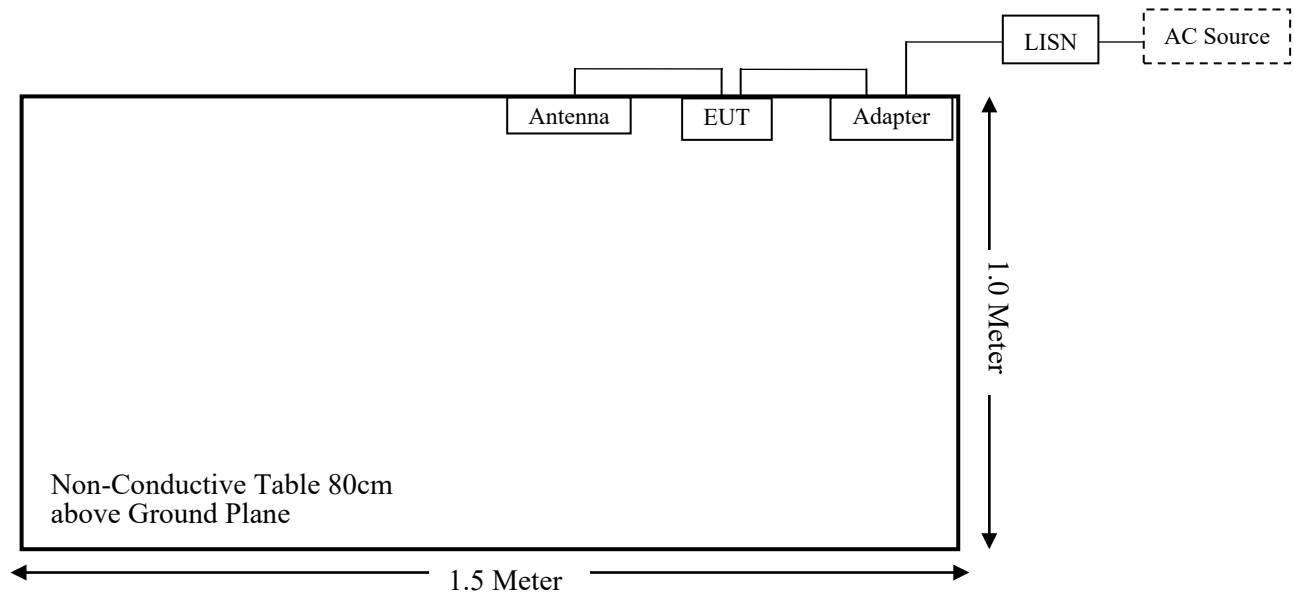
Manufacturer	Description	Model	Serial Number
Telink Semiconductor (Shanghai) Co., Ltd.	Antenna	ANT01	/
SHENZHENTIANYIN ELECTRONICS CO.,LTD	Adapter	TPA-46B050100UVU	/

External I/O Cable

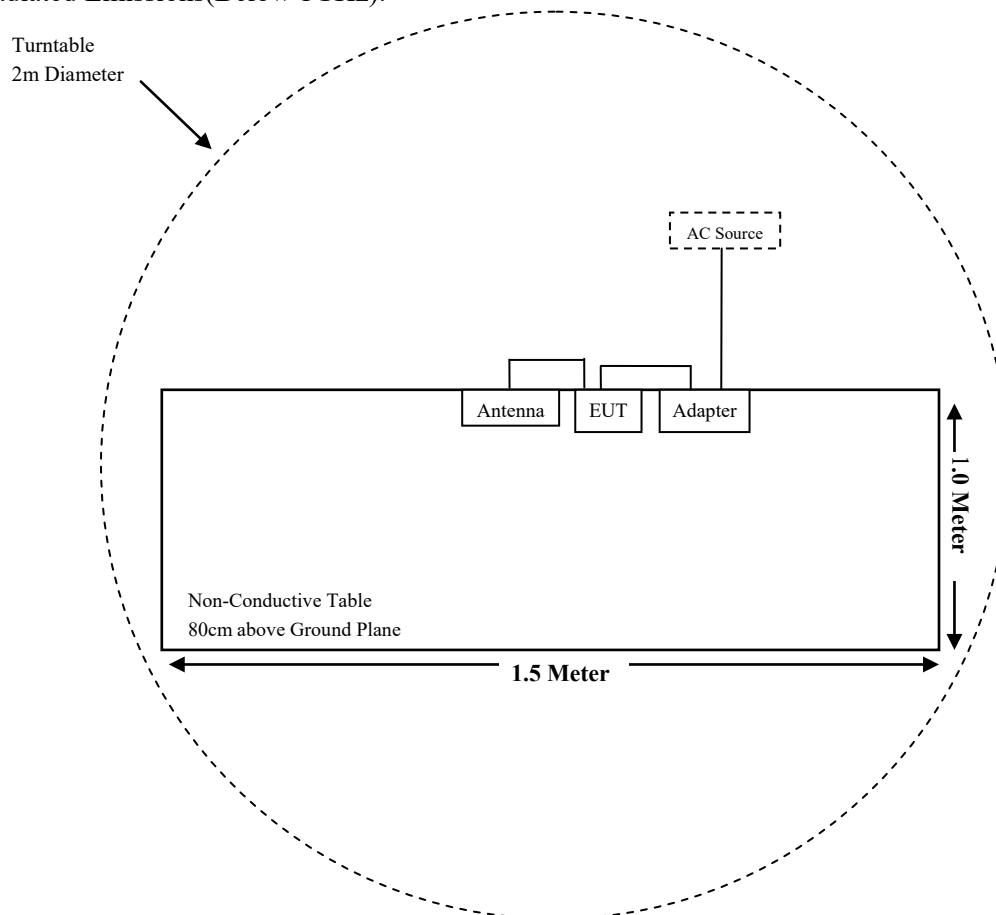
Cable Description	Length (m)	From Port	To Port
Antenna Cable	0.3	EUT	Antenna
Power Cable	1.0	EUT	Adapter
Power Cable	1.0	Adapter	LISN/AC Source

Block Diagram of Test Setup

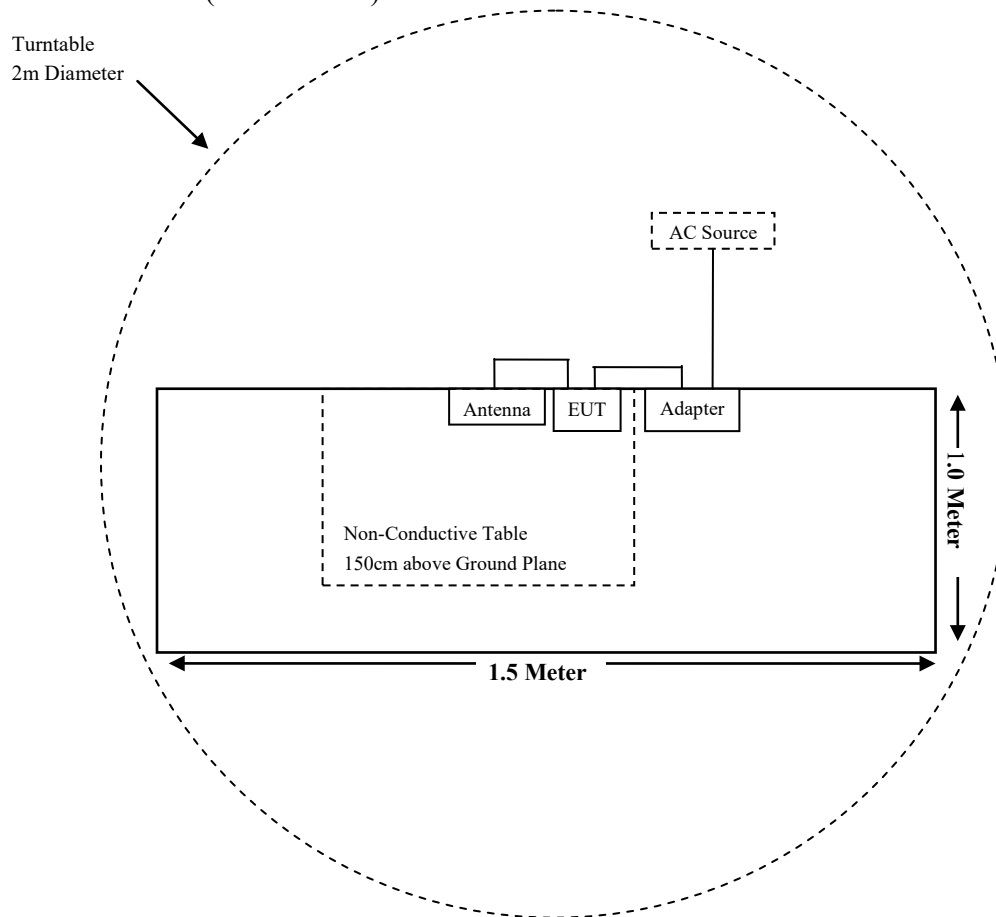
For Conducted Emissions:



For Radiated Emissions(Below 1GHz):



For Radiated Emissions(Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207(a)	AC Line Conducted Emissions	Compliant
15.205, §15.209, §15.249	Radiated Emissions& Out of Band Emission	Compliant
§15.215 (c)	20 dB Bandwidth	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber 1#)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2020-12-14	2021-12-13
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2020-08-05	2023-08-04
Sonoma Instrument	Pre-amplifier	310N	171205	2020-08-14	2021-08-13
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
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
Radiated Emission Test (Chamber 2#)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207	2020-04-01	2021-03-31
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2020-07-15	2023-07-14
ETS-LINDGREN	Horn Antenna	3116	2516	2020-01-07	2023-01-06
MICRO-TRONICS	Notch Filter	BRM50702	G024	2020-08-05	2021-08-04
A.H.Systems, inc	Amplifier	PAM-0118P	512	2020-08-14	2021-08-13
SELECTOR	Amplifier	EM18G40G	060726	2020-03-22	2021-03-21
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-6	006	2020-12-12	2021-12-11
MICRO-COAX	Coaxial Cable	Cable-11	011	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-12	012	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-13	013	2020-08-15	2021-08-14
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	ESIB26	100146/026	2020-12-14	2021-12-13
Narda	Attenuator	10dB	010	2020-08-15	2021-08-14
Telink	RF Cable	Telink C01	C01	Each Time	/
Conducted Emission Test					
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
Audix	Test Software	e3	V9	/	/
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2020-08-10	2021-08-09
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).

FCC§15.203 - ANTENNA REQUIREMENT

Applicable Standard

For intentional device, 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.

Antenna Connector Construction

The EUT has a PCB antenna, antenna gain is 0.0 dBi, fulfill the requirement of this section, please refer to the EUT photos.

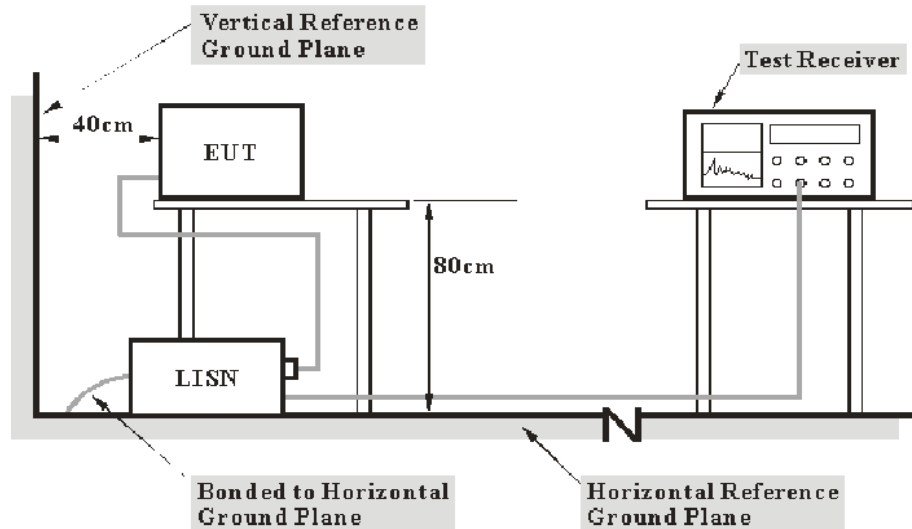
Result: Compliant.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

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 C63.10-2013. The related limit was specified in FCC Part 15.207.

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

ANSI C63.10-2013 clause 6.2

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.

Factor & Over Limit Calculation

The 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 Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data

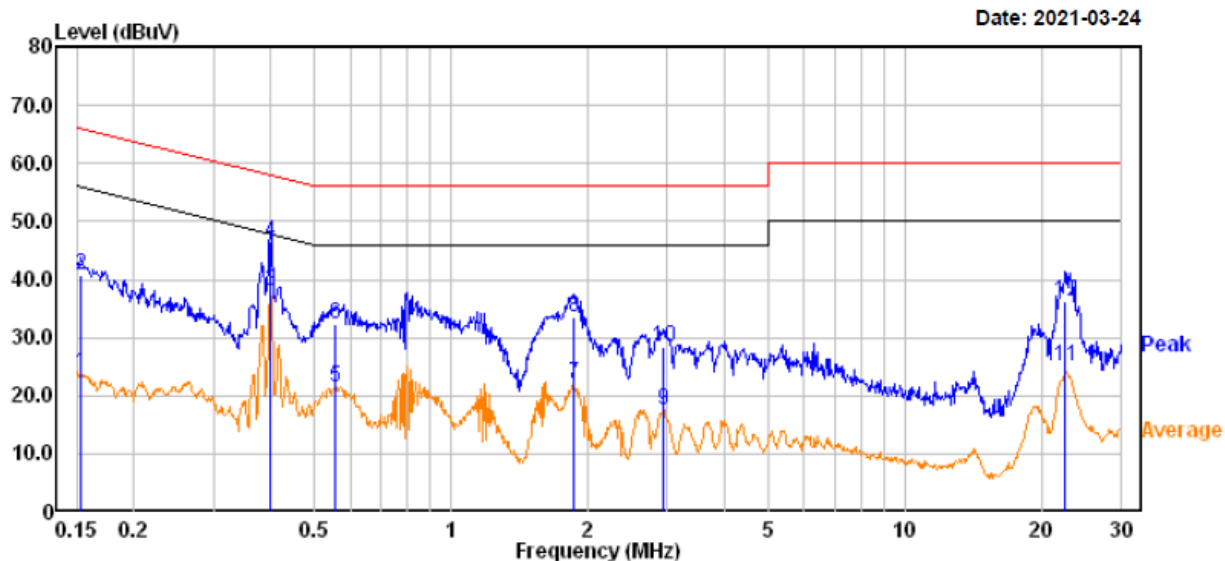
Environmental Conditions

Temperature:	25.3 °C
Relative Humidity:	50 %
ATM Pressure:	101.5 kPa

The testing was performed by Tyrone Wang on 2021-03-24.

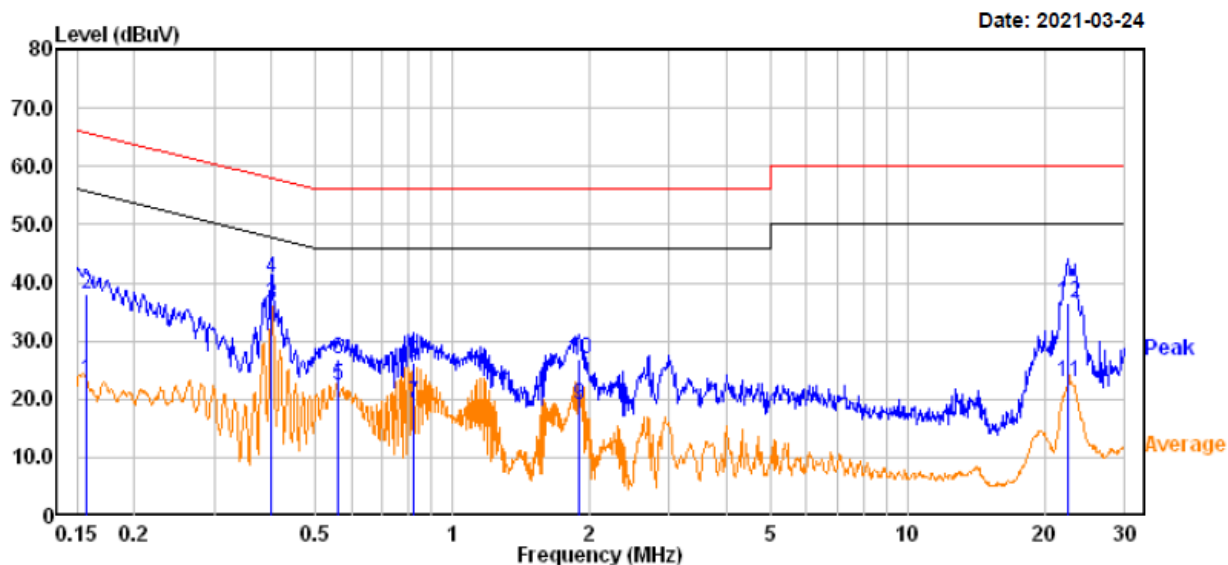
Test Result: Compliant.

AC 120V/60 Hz, Line



		Read		Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.152	3.95	19.82	23.77	55.88	-32.11 Average
2	0.152	20.87	19.82	40.69	65.88	-25.19 QP
3	0.400	18.40	19.74	38.14	47.84	-9.70 Average
4	0.400	26.90	19.74	46.64	57.84	-11.20 QP
5	0.554	1.68	19.75	21.43	46.00	-24.57 Average
6	0.554	12.54	19.75	32.29	56.00	-23.71 QP
7	1.859	2.09	19.84	21.93	46.00	-24.07 Average
8	1.859	13.69	19.84	33.53	56.00	-22.47 QP
9	2.926	-2.10	19.46	17.36	46.00	-28.64 Average
10	2.926	8.94	19.46	28.40	56.00	-27.60 QP
11	22.581	5.20	19.81	25.01	50.00	-24.99 Average
12	22.581	16.30	19.81	36.11	60.00	-23.89 QP

AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.157	3.43	19.82	23.25	55.63	-32.38	Average
2	0.157	18.22	19.82	38.04	65.63	-27.59	QP
3	0.400	16.60	19.74	36.34	47.84	-11.50	Average
4	0.400	20.90	19.74	40.64	57.84	-17.20	QP
5	0.559	2.49	19.75	22.24	46.00	-23.76	Average
6	0.559	7.14	19.75	26.89	56.00	-29.11	QP
7	0.821	-0.23	19.70	19.47	46.00	-26.53	Average
8	0.821	6.44	19.70	26.14	56.00	-29.86	QP
9	1.896	-0.77	19.83	19.06	46.00	-26.94	Average
10	1.896	7.13	19.83	26.96	56.00	-29.04	QP
11	22.468	3.10	19.82	22.92	50.00	-27.08	Average
12	22.468	16.70	19.82	36.52	60.00	-23.48	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§15.205, §15.209&§15.249- RADIATED EMISSIONS & OUT OF BAND EMISSION

Applicable Standard

As per FCC§15.249 (a), except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

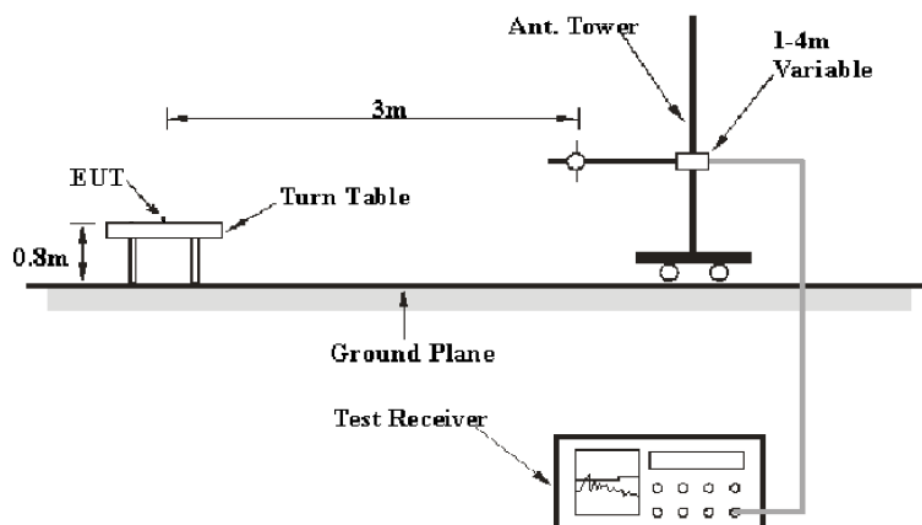
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24GHz-24.25GHz	250	2500

As per FCC§15.249 (c), Field strength limits are specified at a distance of 3 meters.

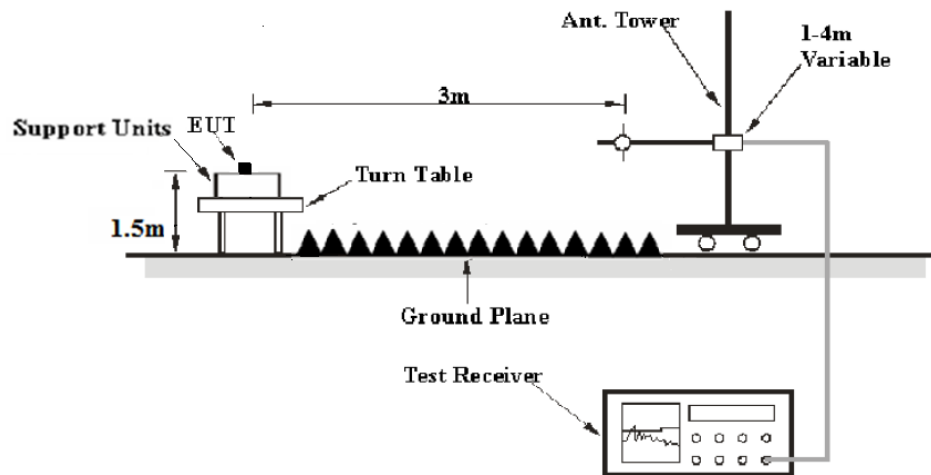
(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

EUT Setup

Below 1 GHz:



Above 1 GHz:



The radiated emission and out of band emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209/15.205 and FCC 15.249 limits.

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

Test Equipment Setup

The system was investigated from 30 MHz to 25GHz.

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

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

Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

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:

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

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

Margin (dB) = Limit (dBμV/m) - Corrected Amplitude (dBμV/m)

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.209 &15.205 & 15.249.

Test Data

Environmental Conditions

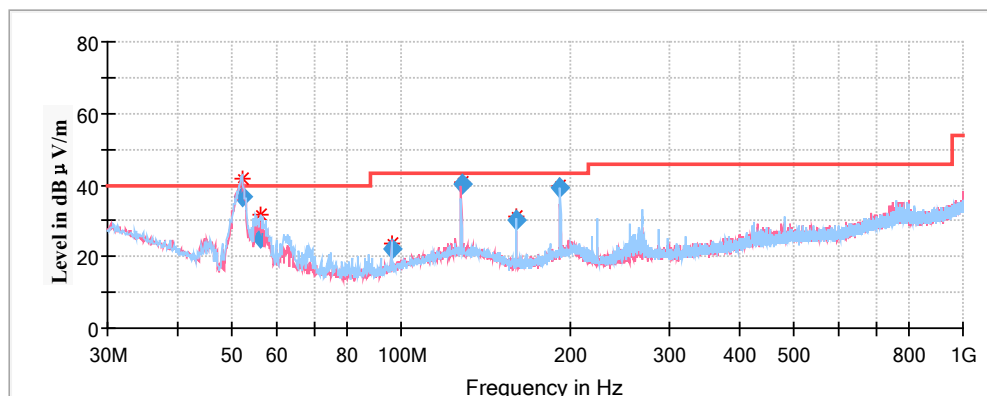
Temperature:	24.7~24.9 °C
Relative Humidity:	50~51 %
ATM Pressure:	101.1~101.3 kPa

The testing was performed by Tyrone Wang from 2021-03-15 to 2021-03-19.

Test Mode: Transmitting

Spurious Emission Test:**30 MHz - 1 GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **middle channel of operation in Z-axis of orientation** was recorded.)



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	QuasiPeak (dB μ V/m)	Height (cm)	Polar (H/V)				
52.062100	36.83	200.0	H	178.0	-16.6	40.00	3.17
56.139650	25.16	200.0	H	15.0	-15.3	40.00	14.84
96.001700	22.29	100.0	V	180.0	-15.2	43.50	21.21
128.000900	40.43	100.0	V	271.0	-10.5	43.50	3.07
160.006100	30.19	200.0	H	0.0	-13.8	43.50	13.31
192.001100	39.21	100.0	H	14.0	-11.4	43.50	4.29

1GHz-18GHz

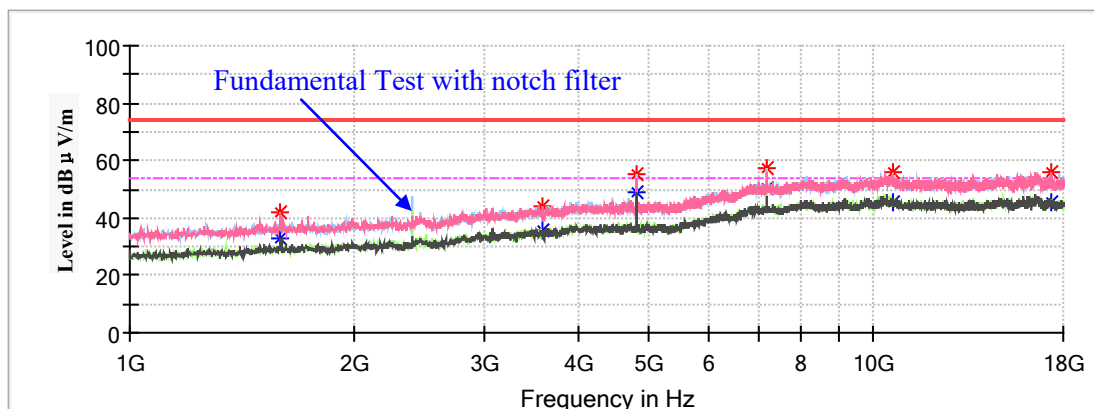
(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Note:

1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
 Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
 Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Low Channel: 2402MHz

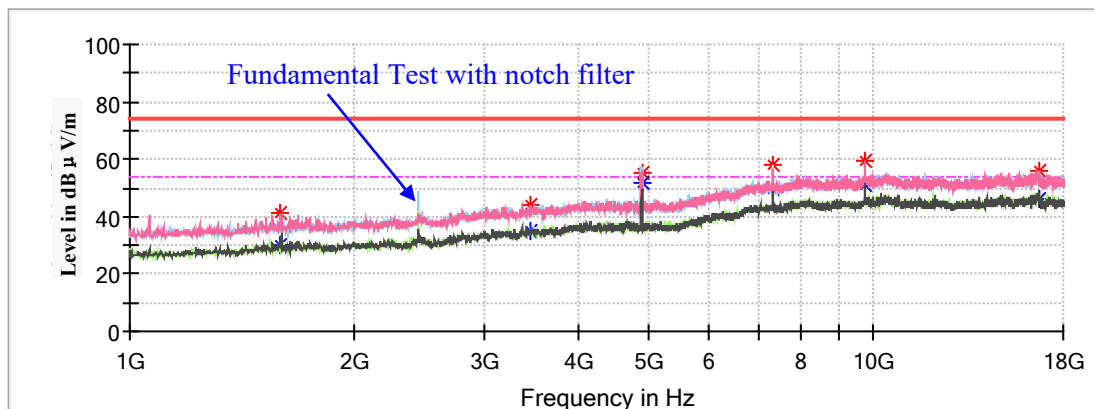
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1591.600000	---	32.92	150.0	V	295.0	-9.1	54.00	21.08
1591.600000	41.68	---	150.0	V	295.0	-9.1	74.00	32.32
3582.300000	---	35.77	150.0	V	345.0	-1.4	54.00	18.23
3582.300000	43.80	---	150.0	V	345.0	-1.4	74.00	30.20
4804.000000	---	48.63	200.0	H	56.0	1.0	54.00	5.37
4804.000000	54.93	---	200.0	H	56.0	1.0	74.00	19.07
7206.000000	---	50.32	200.0	H	210.0	9.0	54.00	3.68
7206.000000	57.56	---	200.0	H	210.0	9.0	74.00	16.44
10593.100000	---	45.65	150.0	V	87.0	12.7	54.00	8.35
10593.100000	55.63	---	150.0	V	87.0	12.7	74.00	18.37
17289.400000	---	45.39	200.0	H	71.0	11.3	54.00	8.61
17289.400000	55.70	---	200.0	H	71.0	11.3	74.00	18.30

Middle Channel: 2440MHz

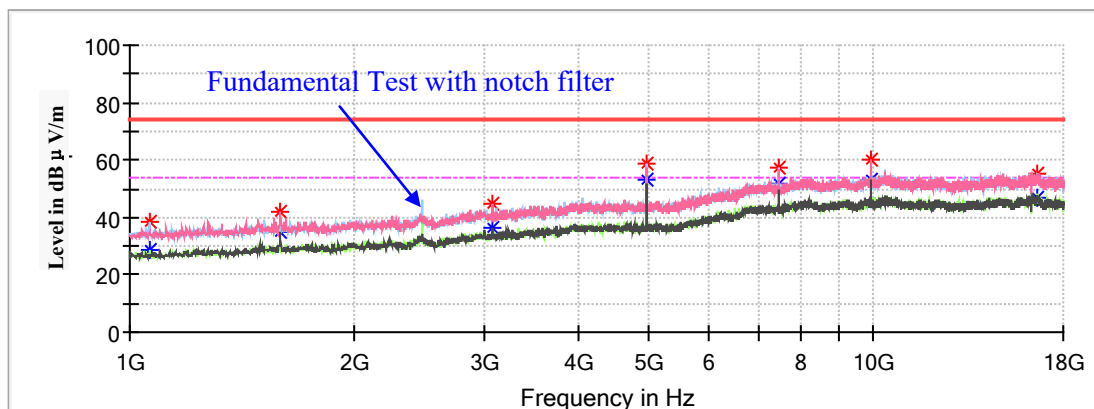
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1595.000000	41.61	---	150.0	V	295.0	-9.1	74.00	32.39
1595.000000	---	30.41	150.0	V	295.0	-9.1	54.00	23.59
3465.000000	44.29	---	200.0	V	330.0	-1.9	74.00	29.71
3465.000000	---	34.86	200.0	V	330.0	-1.9	54.00	19.14
4880.000000	---	51.74	200.0	H	25.0	1.1	54.00	2.26
4880.000000	55.56	---	200.0	H	25.0	1.1	74.00	18.44
7320.000000	58.38	---	150.0	H	197.0	9.1	74.00	15.62
7320.000000	---	49.36	150.0	H	197.0	9.1	54.00	4.64
9758.400000	---	51.21	150.0	V	215.0	11.9	54.00	2.79
9758.400000	59.60	---	150.0	V	215.0	11.9	74.00	14.40
16670.600000	55.92	---	150.0	H	319.0	11.9	74.00	18.08
16670.600000	---	46.01	150.0	H	319.0	11.9	54.00	7.99

High Channel: 2480MHz

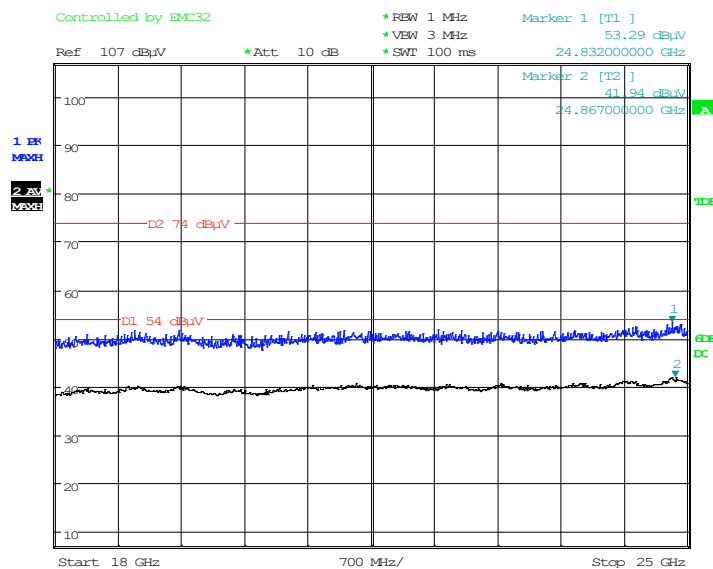
Full Spectrum



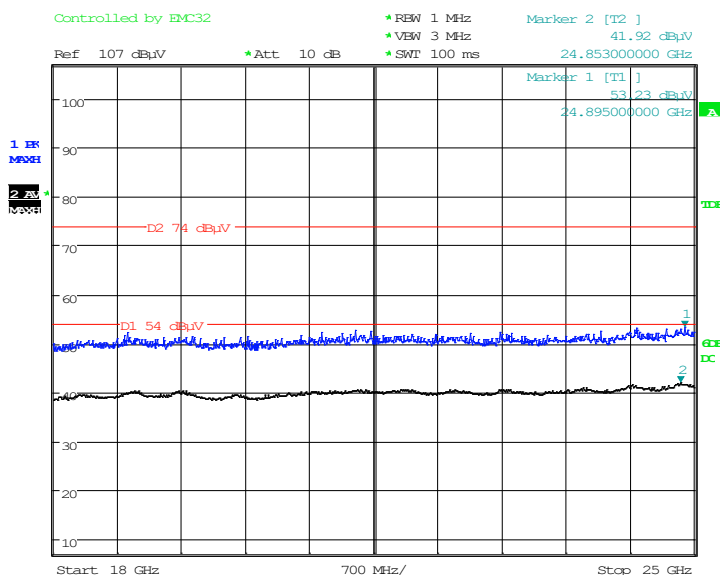
Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Height (cm)	Polar (H/V)				
1062.900000	---	28.52	200.0	H	279.0	-12.1	54.00	25.48
1062.900000	38.74	---	200.0	H	279.0	-12.1	74.00	35.26
1593.300000	---	34.77	150.0	V	290.0	-9.1	54.00	19.23
1593.300000	41.95	---	150.0	V	290.0	-9.1	74.00	32.05
3070.600000	44.51	---	200.0	V	193.0	-3.0	74.00	29.49
3070.600000	---	36.66	200.0	V	193.0	-3.0	54.00	17.34
4960.000000	---	52.83	150.0	H	298.0	1.1	54.00	1.17
4960.000000	58.68	---	150.0	H	298.0	1.1	74.00	15.32
7440.000000	---	51.85	200.0	H	200.0	9.2	54.00	2.15
7440.000000	57.36	---	200.0	H	200.0	9.2	74.00	16.64
9919.900000	---	53.09	150.0	V	148.0	11.9	54.00	0.91
9919.900000	60.10	---	150.0	V	148.0	11.9	74.00	13.90

18GHz-25GHz:

(Pre-scan with low, middle and high channels of operation in the X,Y and Z axes of orientation, the worst case **middle** channel of operation in **Z-axis** of orientation was recorded)

Horizontal

Date: 19.MAR.2021 16:15:45

Vertical

Date: 19.MAR.2021 16:17:16

Fundamental Test & Restricted Bands Emissions Test:*(Pre-scan in the X, Y and Z axes of orientation, the worst case Z-axis of orientation was recorded.)*

Note:

1. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)	Degree			
Low Channel: 2402MHz								
2402.00	94.62	---	200.0	H	184.0	3.8	114.00	19.38
2402.00	---	91.07	200.0	H	184.0	3.8	94.00	2.93
2402.00	92.37	---	150.0	V	195.0	3.8	114.00	21.63
2402.00	---	89.68	150.0	V	195.0	3.8	94.00	4.32
2400.00	52.07	---	200.0	V	323.0	3.8	74.00	21.93
2400.00	---	46.38	200.0	V	323.0	3.8	54.00	7.62
Middle Channel: 2440MHz								
2440.00	90.70	---	200.0	H	203.0	2.9	114.00	23.30
2440.00	---	90.21	200.0	H	203.0	2.9	94.00	3.79
2440.00	88.23	---	150.0	V	205.0	2.9	114.00	25.77
2440.00	---	87.73	150.0	V	205.0	2.9	94.00	6.27
High Channel: 2480MHz								
2480.00	90.18	---	250.0	H	349.0	4.2	114.00	23.82
2480.00	---	89.68	250.0	H	349.0	4.2	94.00	4.32
2480.00	88.59	---	200.0	V	331.0	4.2	114.00	25.41
2480.00	---	88.09	200.0	V	331.0	4.2	94.00	5.91
2483.50	52.27	---	150.0	V	233.0	4.2	74.00	21.73
2483.50	---	46.74	150.0	V	233.0	4.2	54.00	7.26

FCC §15.215(c) – 20 dB BANDWIDTH TESTING

Applicable Standard

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

Test Data

Environmental Conditions

Temperature:	25.3 °C
Relative Humidity:	50 %
ATM Pressure:	101.3 kPa

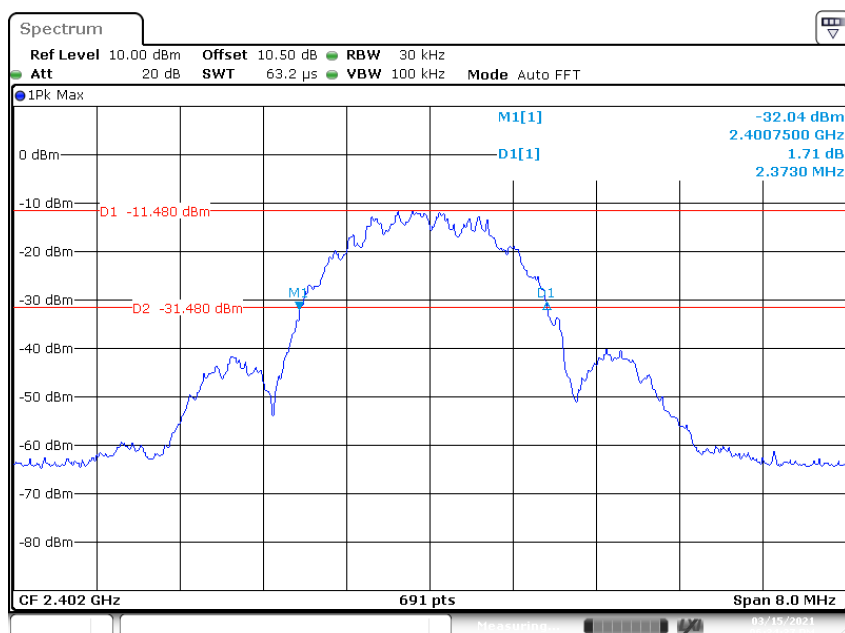
The testing was performed by Tyrone Wang on 2021-03-15.

Test Result: Compliant.

Test Mode: Transmitting

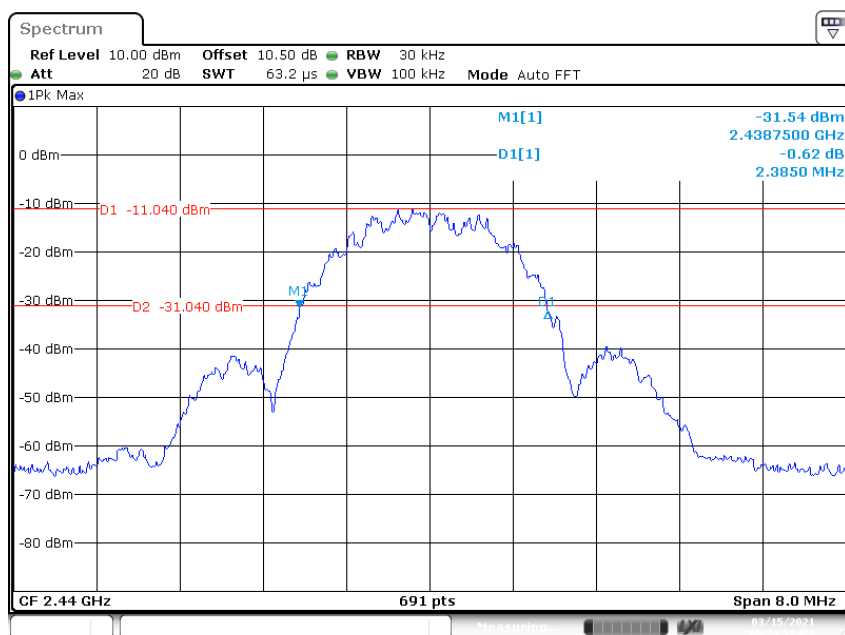
Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
Low	2402	2.373
Middle	2440	2.385
High	2480	2.373

Low Channel



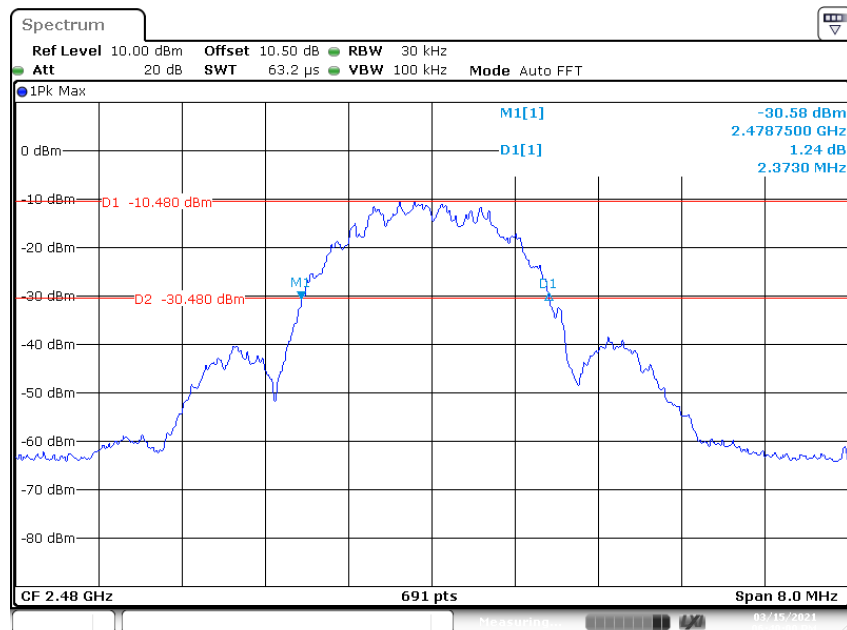
Date: 15.MAR.2021 18:34:38

Middle Channel



Date: 15.MAR.2021 18:36:22

High Channel



Date: 15.MAR.2021 18:40:00

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.

5: This report cannot be reproduced except in full, without prior written approval of the Company.

6: This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

******* END OF REPORT *******