

RADIO TEST REPORT

Product : Security Doorbell
Model Name : AVD6001
Series Model : AVD5001, AVD6002
FCC ID : 2APLE18300438
Test Regulation : FCC 47 CFR Part 15 Subpart C (Section 15.247)
Received Date : 2026/2/2
Test Date : 2026/2/4 ~ 2026/3/10 & 2026/8/20 ~ 2026/9/15
Issued Date : 2026/9/18

Applicant : Arlo Technologies Inc
5770 Fleet St, Suite 200, Carlsbad, CA 92008 USA

Issued By : Underwriters Laboratories Taiwan Co., Ltd.
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd.,
Zhudong Township, Hsinchu County, Taiwan

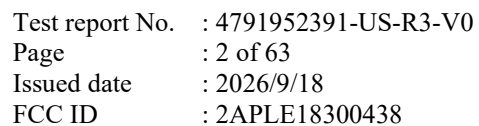


The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report are responsible of the test sample(s) provided by the client only and are not to be used to indicate applicability to other similar products.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0



Original Test Report No.: 4791952391-US-R3-V0

Underwriters Laboratories Taiwan Co., Ltd.

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Table of Contents

1. Attestation of Test Results	4
2. Summary of Test Results	5
3. Test Methodology and Reference Procedures.....	6
4. Facilities and Accreditation	6
5. Measurement Uncertainty	7
6. Equipment under Test.....	8
6.1. Description of EUT	8
6.2. Channel List	10
6.3. Test Condition.....	11
6.4. Description of Available Antennas	12
6.5. Test Mode Applicability and Tested Channel Detail.....	13
6.6. Duty cycle	14
7. Test Equipment	15
8. Description of Test Setup	18
9. Test Results	21
9.1. 6dB Bandwidth	21
9.2. Conducted Output Power	24
9.3. Power Spectral Density	26
9.4. Conducted Out of Band Emission.....	29
9.5. Radiated Spurious Emission	36
9.6. AC Power Line Conducted Emission	58

1. Attestation of Test Results

APPLICANT: Arlo Technologies Inc
5770 Fleet St, Suite 200, Carlsbad, CA 92008 USA

MANUFACTURER: Arlo Technologies Inc
5770 Fleet St, Suite 200, Carlsbad, CA 92008 USA

EUT DESCRIPTION: Security Doorbell

BRAND: Arlo

MODEL: AVD6001

SERIES MODEL: AVD5001, AVD6002

SAMPLE STAGE: Engineering Verification Test Sample

DATE of TESTED: 2026/2/4 ~ 2026/3/10 & 2026/8/20 ~ 2026/9/15

APPLICABLE STANDARDS	
STANDARD	Test Results
FCC 47 CFR PART 15 Subpart C (Section 15.247)	PASS

Underwriters Laboratories Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Underwriters Laboratories Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Underwriters Laboratories Taiwan Co., Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Underwriters Laboratories Taiwan Co., Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Prepared By:



James Chan Date : 2026/9/18
Laboratory Test Engineer

Approved and Authorized By:



Eric Lee Date : 2026/9/18
Senior Laboratory Engineer

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

2. Summary of Test Results

Summary of Test Results		
FCC Clause	Test Items	Result
15.247(a)(2)	6dB Bandwidth	PASS
15.247(b)	Conducted Output Power	PASS
15.247(e)	Power Spectral Density	PASS
15.247(d)	Antenna Port Emission	PASS
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS
15.207	AC Power Conducted Emission	PASS
15.203	Antenna Requirement	PASS

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

3. Test Methodology and Reference Procedures

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2, KDB558074 D01 Meas Guidance v05r02, KDB414788 D01 Radiated Test Site v01r01, ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024.

4. Facilities and Accreditation

Test Location	Underwriters Laboratories Taiwan Co., Ltd.
Address	Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Accreditation Certificate	Underwriters Laboratories Taiwan Co., Ltd. is accredited by TAF, Laboratory Code 3398.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

5. Measurement Uncertainty

For statement of conformity, Simple acceptance (Section 3.1.4 of IEC Guide 115) was applied as decision rule for measurement in this test report.

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor $k=2$.

Determining compliance based on the results of the compliance measurement, not considering measurement instrumentation uncertainty.

2026/2/4 ~ 2026/3/10

Measurement	Frequency	Uncertainty
Conducted disturbance at mains terminals ports	150kHz ~ 30MHz	3.0 dB
RF Conducted	9 kHz - 40GHz	2.4 dB
Radiated disturbance below 30MHz	9 kHz - 30 MHz	1.9 dB
Radiated disturbance below 1 GHz	30MHz ~ 1GHz	5.6 dB
Radiated disturbance above 1 GHz	1GHz ~ 40GHz	4.6 dB

2026/8/20 ~ 2026/9/15

Measurement	Frequency	Uncertainty
Conducted disturbance at mains terminals ports	150kHz ~ 30MHz	3.1 dB
RF Conducted	9 kHz - 40GHz	2.7 dB
Radiated disturbance below 30MHz	9 kHz - 30 MHz	1.9 dB
Radiated disturbance below 1 GHz	30MHz ~ 1GHz	5.8 dB
Radiated disturbance above 1 GHz	1GHz ~ 40GHz	4.9 dB

The EUT support table is constructed of high-density Expandable Polystyrene (EPS) with dimensions of 1 m × 1.5 m.

The Measurement Uncertainty (MU) report is prepared in accordance with CISPR 16-4-2:2011-06; the potential impact of the setup table material has been evaluated and included as a component of the overall uncertainty value.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

6. Equipment under Test

6.1. Description of EUT

Product	Security Doorbell
Brand Name	Arlo
Model Name	AVD6001
Series Model	AVD5001, AVD6002
Normal Voltage	24Vac from Class 2 Transformer 5Vdc from Host 3.69Vdc for AVD6001 & AVD5001 3.7Vdc for AVD6002
Operating Frequency	2402MHz ~ 2480MHz
Modulation	GFSK
Transfer Rate	Up to 2 Mbps
Maximum Output Power	9.53 dBm
Sample ID	Conducted Test:9403605
	Radiated Test:9403605

Note:

1. The models difference table as below:

Board PN	AVD6002	AVD6001	AVD5001
Circuitry, components, layout, antenna type and gain	All models are electrically identical (including circuitry, components, layout, antenna type and gain).		
Circuitry and PCB layout of Main Board			
Circuitry and PCB layout of CMOS Board			
Circuitry and PCB layout of CMOS Board			
Circuitry and PCB layout of CMOS Board			
Circuitry and PCB layout of CMOS Board	AVD6002, AVD6001, AVD5001 are electrically identical (including RF circuitry, RF components, RF layout, antenna type and gain).	All models are electrically identical (including circuitry, components, layout, antenna type and gain).	
Circuitry and PCB layout of Main Board	NOR Flash circuit		
Circuitry and PCB layout of CMOS Board	Extend the PCB size		
Circuitry and PCB layout of CMOS Board	Add 2 EL capacitors.		
Circuitry and PCB layout of CMOS Board	Modify the charge control circuit.		
Circuitry and PCB layout of CMOS Board	1. Change DC-DC converter from MP2459GJ-Z to LMR51625XDDCR for system power requirement. 2. Add Heater control circuit to heat battery on CMOS board and modify charge control circuit.	All models are electrically identical (including circuitry, components, layout, antenna type and gain).	
Battery	Arlo A-25, 3.7Vdc, 700mAh	Arlo A-19, 3.69Vdc, 4650mAh	
Power source	With existing Electrical wiring 16~24Vac 3.7Vdc from Battery	With existing Electrical wiring 16~24Vac 5 Vdc from Adaptor 3.69Vdc from Battery	
Video resolution (2K/FHD)	2K 2560 x 1440 video resolution	2K 2560 x 1440 video resolution	FHD 1920 x 1080 video resolution

2. The EUT contains following accessory devices:

Product	Brand	Model	Description
USB Cable	Nienyi	310-50024-01	-
Battery	Arlo	A-19	3.69Vdc, 4650mAh
Wall Mount	Arlo	Arlo	-
Battery	Arlo	A-25	3.7Vdc, 700mAh

3. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's or user's manual, the laboratory shall not be held responsible.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

6.2. Channel List

40 channels are provided for BT-LE mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

6.3. Test Condition

Test Item	Test Site No.	Environmental	Input Power	Test Date	Tested by
Antenna Port Conducted Measurement	SR4	23~25°C/ 58~66%RH	5Vdc	2026/2/4~ 2026/3/10	WaterNil Guan
Radiated Spurious Emission	966-2	22~26°C/ 62~68%RH	5Vdc	2026/2/4~ 2026/3/5 & 2026/8/21 ~ 2026/9/15	WaterNil Guan
AC power Line Conducted Emission	SR1	22~25°C/ 61~69%RH	120Vac/ 60Hz	2026/3/4 & 2026/8/20 ~ 2026/9/15	WaterNil Guan

Sample Calculation:

Antenna Port Conducted Measurement:

- Where relevant, the follow sample calculation is provided:
Result Value (dBm) = Reading Value (dBm) + Attenuator Factor (dB) + Cable Loss (dB).
Example: Result Value (10dBm) = Reading Value (-2dBm) + Attenuator Factor (10dB) + Cable Loss(2dB).
*Test plot only shown the “Result Value”.

Radiated Spurious Emission:

- Where relevant, the follow sample calculation is provided:
Result Value (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Preamp Factor (dB).
Example: Result Value (34.5dBuV/m) = Reading Value (40.1dBuV) + Antenna Factor (18.7dB/m) + Cable Loss (4.2dB) - Preamp Factor (28.5dB).

AC power Line Conducted Emission:

- Where relevant, the follow sample calculation is provided:
Result Value (dBuV) = Reading Value (dBuV) + Correction Factor (dB).
Correction Factor (dB) = Insertion loss(dB) + Cable loss(dB).
Example: Result Value (53.7dBuV) = Reading Value (35.1dBuV) + Insertion loss(18.1dB) + Cable loss(0.5dB).

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Telephone : +886-2-7737-3000
Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

6.4. Description of Available Antennas

Ant. No.	Transmitter Circuit	Frequency Range	Brand Name	Model Name	Maximum Gain (dBi)	Ant. Type	Connector Type
1	Chain0	2.4~2.4835GHz	Arlo	2APLE18300438	3.6	Dipole	None

Note: The above antenna information was provided from customer and for more detailed features description, please refer the manufacturer's specification or user's manual, the laboratory shall not be held responsible.

6.5. Test Mode Applicability and Tested Channel Detail

Test Item	Modulation Type	Available Channel	Test Channel	Data Rate
Radiated Emissions	GFSK	0 to 39	0,19,39	1 Mbps
	GFSK			2 Mbps
Radiated Emissions (Below 1GHz)	GFSK	0 to 39	39	2 Mbps
AC Power Line Conducted Emission	GFSK	0 to 39	39	2 Mbps
Antenna Port Conducted Measurement	GFSK	0 to 39	0,19,39	1 Mbps
	GFSK			2 Mbps

- The fundamentals of the EUT were investigated in three orthogonal axes X-Y/Y-Z/X-Z, it was determined that Y-Z plane was worst-case. Therefore, all final radiated testing was performed with the EUT in Y-Z plane.
- After evaluating models AVD6001, AVD5001, and AVD6002, model AVD6001 was found to exhibit the worst-case characteristics. Consequently, this test report provides a comprehensive evaluation of model AVD6001, with its corresponding test data recorded herein. However, model AVD6002 was only tested for RSE (below/above 1GHz) and AC Power Line Conducted Emission against the worst-case mode of AVD6001.
- In the transmit mode, GFSK 2 Mbps channel 39 has the highest RF output power. Therefore, the AC conduction was performed using this worst-case mode.
- In the transmit mode, GFSK 2 Mbps channel 39 has the highest RF output power. Therefore, all final tests for the spurious emission (below 1GHz) were performed using this worst-case mode.
- For Antenna Port Conducted Measurement, this item includes all test value of each mode but only includes spectrum plot of worst value of each mode.
- For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

Simultaneously transmission condition:

Condition	Technology	
1	BT LE	WLAN (2.4GHz)
2	BT LE	WLAN (5GHz)

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

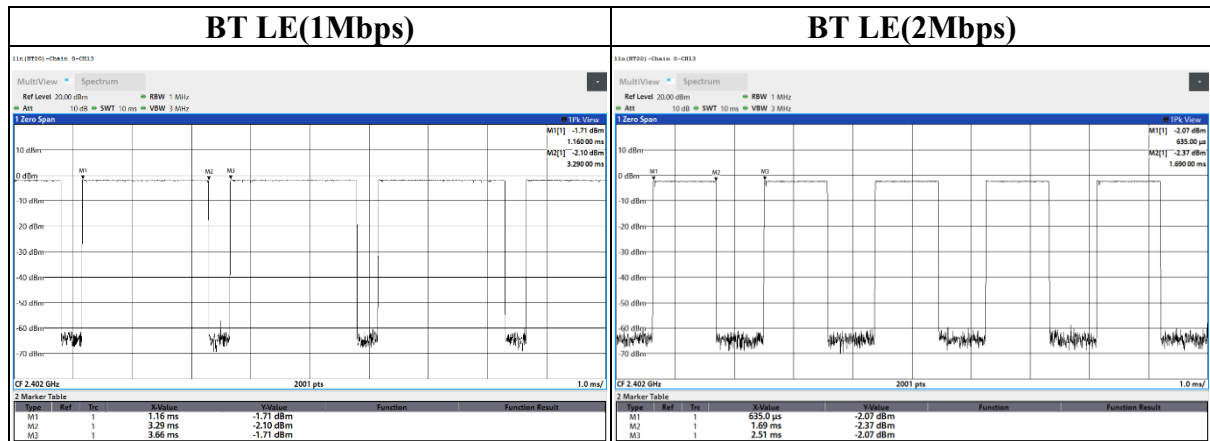
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

6.6. Duty cycle

Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle	Duty Factor (dB)	VBW Set (above 1GHz)
BT LE(1Mbps)	2.130	2.500	0.8520	0.70	510Hz
BT LE(2Mbps)	1.055	1.875	0.5627	2.50	1kHz



7. Test Equipment

2026/2/4 ~ 2026/3/10

Test Equipment List					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Expired date
Radiated Spurious Emission					
Spectrum Analyzer	Keysight	N9010A	MY56070818	2025/3/12	2026/3/11
EMI Test Receiver	Rohde & Schwarz	ESR7	101754	2025/12/9	2026/12/8
Loop Antenna	ETS lindgren	6502	00213440	2025/11/14	2026/11/13
Trilog-Broadband Antenna with 5dB Attenuator	Schwarzbeck & EMCI	VULB 9168 & N-6-05	9168-773 & AT-N0539	2025/4/2	2026/4/1
Horn Antenna (1-18 GHz)	Schwarzbeck	BBHA 9120 D	01690	2025/11/18	2026/11/17
Horn Antenna (18-40GHz)	Schwarzbeck	BBHA 9170	781	2025/12/2	2026/12/1
Preamplifier (30-1000 MHz)	EMCI	EMC330E	980405	2025/5/12	2026/5/11
Preamplifier (1-18 GHz)	EMCI	EMC051835BE	980406	2025/12/26	2026/12/25
Preamplifier (18-40GHz)	EMCI	EMC184040SEE	980426	2025/4/7	2026/4/6
Cables (9k-18 GHz)	Hanyitek	K1K50-UP0264-K1K50-2500	170214-4 & 170425-2	2025/11/21	2026/11/20
Cables (18-40GHz)	Hanyitek	K1K50-UP0264-K1K50-2500	170214-1 & 170214-2	2025/11/21	2026/11/20

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Test Equipment List					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Expired date
Antenna Port Conducted Measurement					
Signal Analyzer	Rohde & Schwarz	FSVA3044	101281	2026/2/2	2027/2/1
Signal Analyzer	Rohde & Schwarz	FSV40	101490	2025/6/17	2026/6/16
Attenuator	EMCI	EMC-40ATK2W10	17002	2025/10/28	2026/10/27
USB Power Sensor	Anritsu	MA24408A	12031	2025/6/24	2026/6/23
Temperature & Humidity Test Chamber	GIANT FORCE	GTH-150- 40-CP-AR	MAA1701-010	2026/2/2	2027/2/1
AC power Line Conducted Emission					
EMI Test Receiver	Rohde & Schwarz	ESR7	101753	2025/9/18	2026/9/17
Two-Line V-Network	Rohde & Schwarz	ENV216	102136	2025/5/27	2026/5/26
Impuls-Begrenzer Pulse Limiter	Rohde & Schwarz	ESH3-Z2	102219-Qt	2025/8/27	2026/8/26
Cables	TITAN	CFD200	T0732ACFD 20020A300-2	2025/4/21	2026/4/20

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

2026/8/20 ~ 2026/9/15

Test Equipment List					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Expired date
Radiated Spurious Emission					
Spectrum Analyzer	Keysight	N9010A	MY56070818	2026/2/9	2027/2/8
EMI Test Receiver	Rohde & Schwarz	ESR7	101754	2025/12/9	2026/12/8
Loop Antenna	ETS lindgren	6502	00213440	2025/11/14	2026/11/13
Trilog-Broadband Antenna with 5dB Attenuator	Schwarzbeck & EMCI	VULB 9168 & N-6-05	9168-773 & AT-N0539	2026/5/21	2027/5/20
Horn Antenna (1-18 GHz)	Schwarzbeck	BBHA 9120 D	01690	2025/11/18	2026/11/17
Horn Antenna (18-40 GHz)	Schwarzbeck	BBHA 9170	781	2025/12/2	2026/12/1
Preamplifier (30-1000 MHz)	EMCI	EMC330E	980405	2026/4/28	2027/4/27
Preamplifier (1-18 GHz)	EMCI	EMC051835BE	980406	2025/12/26	2026/12/25
Preamplifier (18-40GHz)	EMCI	EMC184040SEE	980426	2026/3/24	2027/3/23
Cables (9k-18GHz)	Hanyitek	K1K50-UP0264-K1K50-2500	170214-4 & 170425-2	2025/11/21	2026/11/20
Cables (18-40GHz)	Hanyitek	K1K50-UP0264-K1K50-2500	170214-1 & 170214-2	2025/11/21	2026/11/20
AC power Line Conducted Emission					
EMI Test Receiver	Rohde & Schwarz	ESR7	101753	2025/9/18	2026/9/17
Two-Line V-Network	Rohde & Schwarz	ENV216	102136	2026/3/26	2027/3/25
Impuls-Begrenzer Pulse Limiter	Rohde & Schwarz	ESH3-Z2	102219-Qt	2026/8/11	2027/8/10
Cables	TITAN	CFD200	T0732ACFD 20020A300-2	2026/4/15	2027/4/14

UL Software		
Description	Name	Version
Radiated measurement	e3	6.191211 (V6)
Conducted measurement	RF-Conducted-FCC 15247	ver 1.0
AC power Line Conducted Emission	EZ EMC	UL-3A1.2

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

8. Description of Test Setup

AVD6001, AVD5001

Support Equipment

ID	Equipment	Brand Name	Model Name	S/N	Remark
A	Laptop	DELL	Latitude E5470	3JFKWF2	Provided by Lab
B	Wall Mount	Arlo	Arlo	N/A	Provided by Client
C	Battery	Arlo	A-19	N/A	Supplied by Client
D	Class 2 Transformer	OEM Thailand Manufacturer	125	210149-02	Supplied by Client Intertek 5028664

I/O Cables

ID	Equipment	Brand Name	Model Name	Remark
1	USB Cable	Nienyi	310-50024-01	Provided by Client

AVD6002

Support Equipment

ID	Equipment	Brand Name	Model Name	S/N	Remark
A	Wall Mount	Arlo	Arlo	N/A	Provided by Client
B	Battery	Arlo	A-25	N/A	Supplied by Client
C	Class 2 Transformer	OEM Thailand Manufacturer	125	210149-02	Supplied by Client Intertek 5028664

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

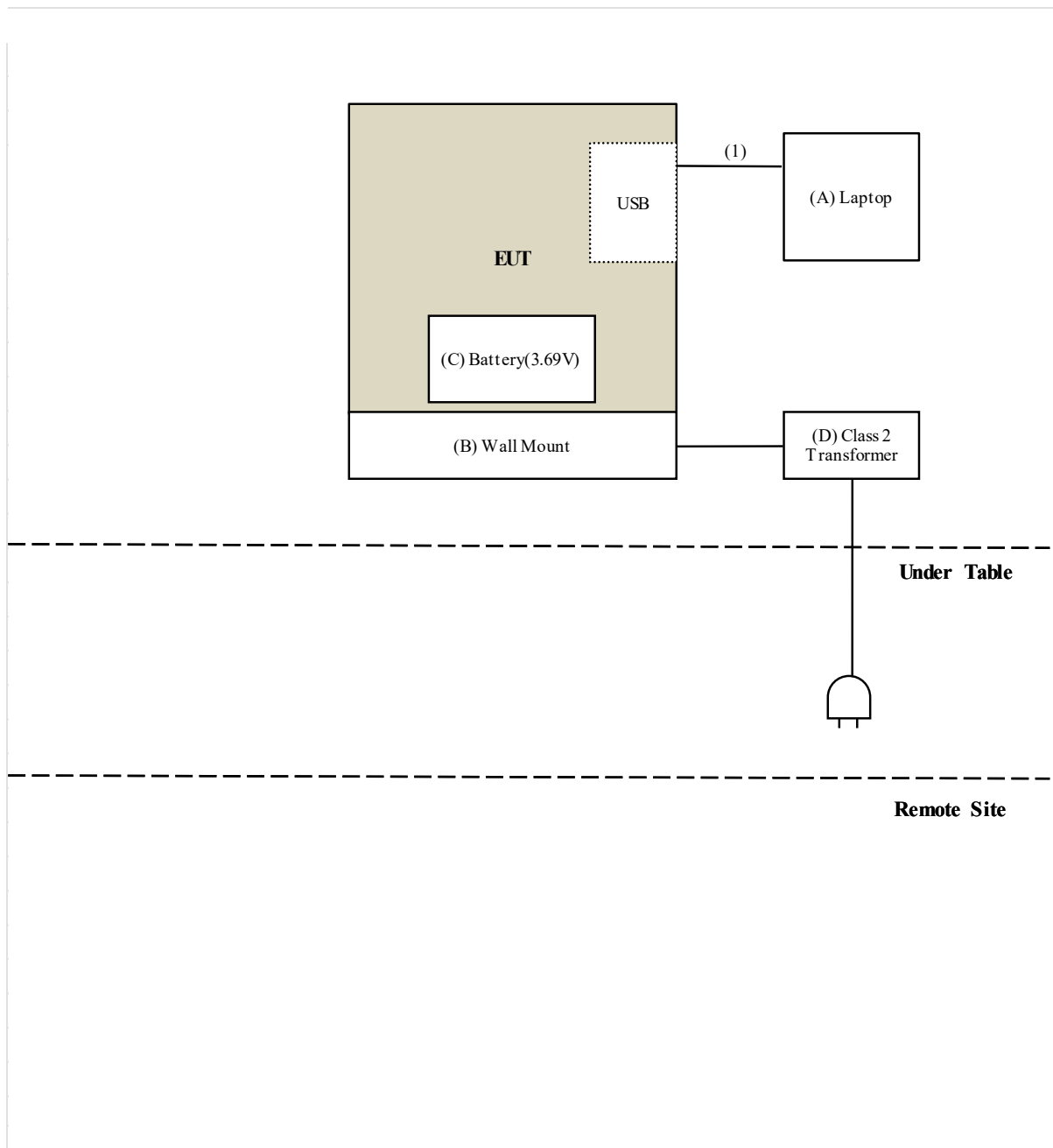
Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Test Setup

Controlled using a bespoke application (Executing commands with terminal tool (TeraTerm version 4.94)) on a test Notebook. The application was used to enable a continuous transmission mode and to select the test channels, data rates, modulation schemes and power setting as required.

Setup Diagram for Test

AVD6001, AVD5001



Underwriters Laboratories Taiwan Co., Ltd.

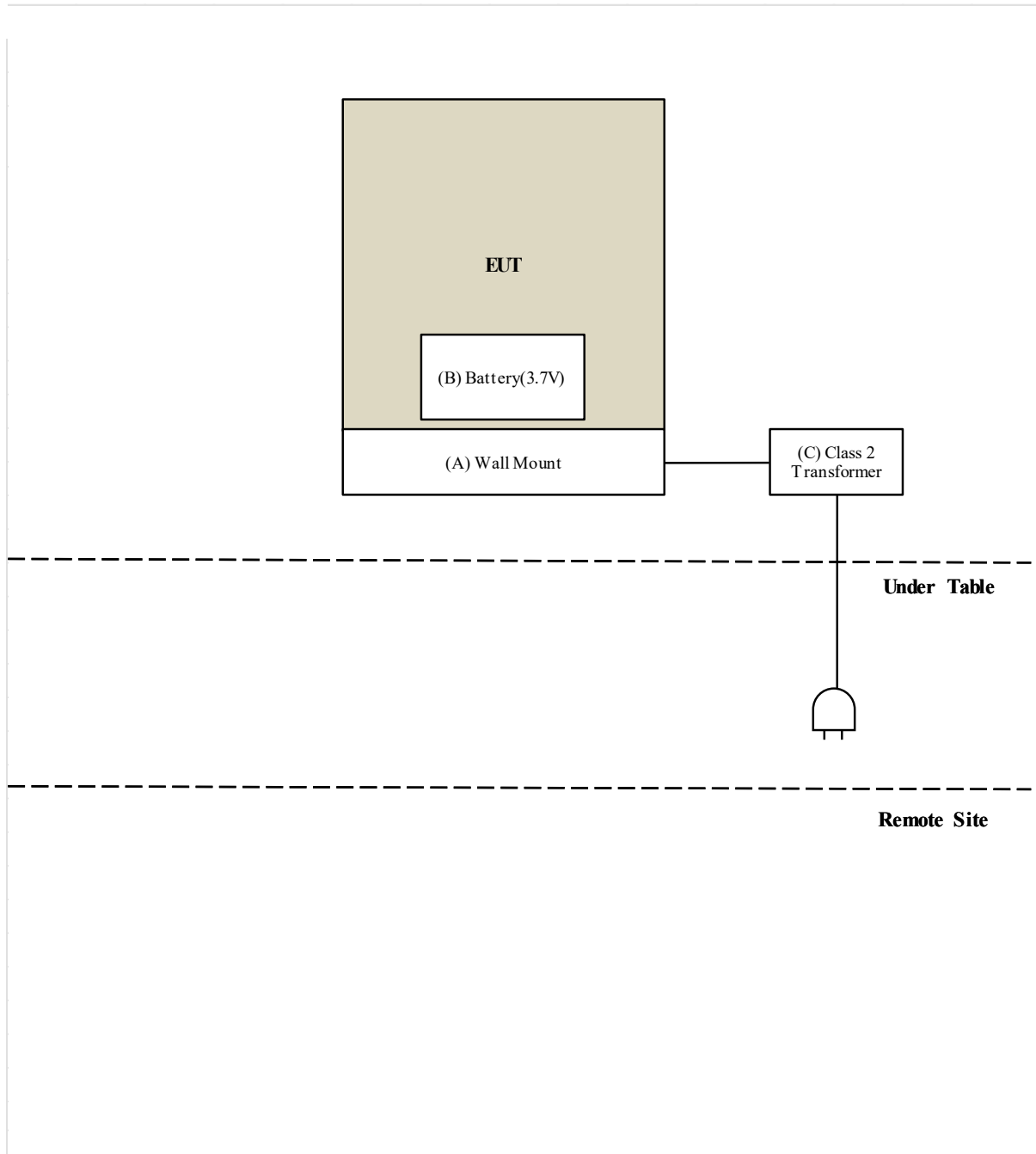
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

AVD6002



Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

9. Test Results

9.1. 6dB Bandwidth

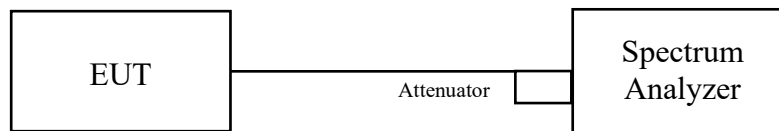
Requirements

The minimum 6 dB bandwidth shall be at least 500 kHz.

Test procedure

- a. Set resolution bandwidth (RBW) = Range of 1% to 5% of the OBW but not less than 100 kHz.
* Since using 100kHz yields the smallest bandwidth, 100kHz was selected for this evaluation.
- b. Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- c. Trace mode = max hold.
- d. Sweep = auto couple.
- e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Setup



The loss between RF output port of the EUT and the input port of the Spectrum Analyzer has been taken into consideration.

Test Data

Mode	CH	Freq (MHz)	Chain	6dB BW (MHz)	Limit (MHz)	Result
BT LE(1Mbps)	0	2402	Chain 0	0.665	0.5	PASS
BT LE(1Mbps)	19	2440	Chain 0	0.664	0.5	PASS
BT LE(1Mbps)	39	2480	Chain 0	0.671	0.5	PASS
BT LE(2Mbps)	0	2402	Chain 0	1.235	0.5	PASS
BT LE(2Mbps)	19	2440	Chain 0	1.240	0.5	PASS
BT LE(2Mbps)	39	2480	Chain 0	1.236	0.5	PASS

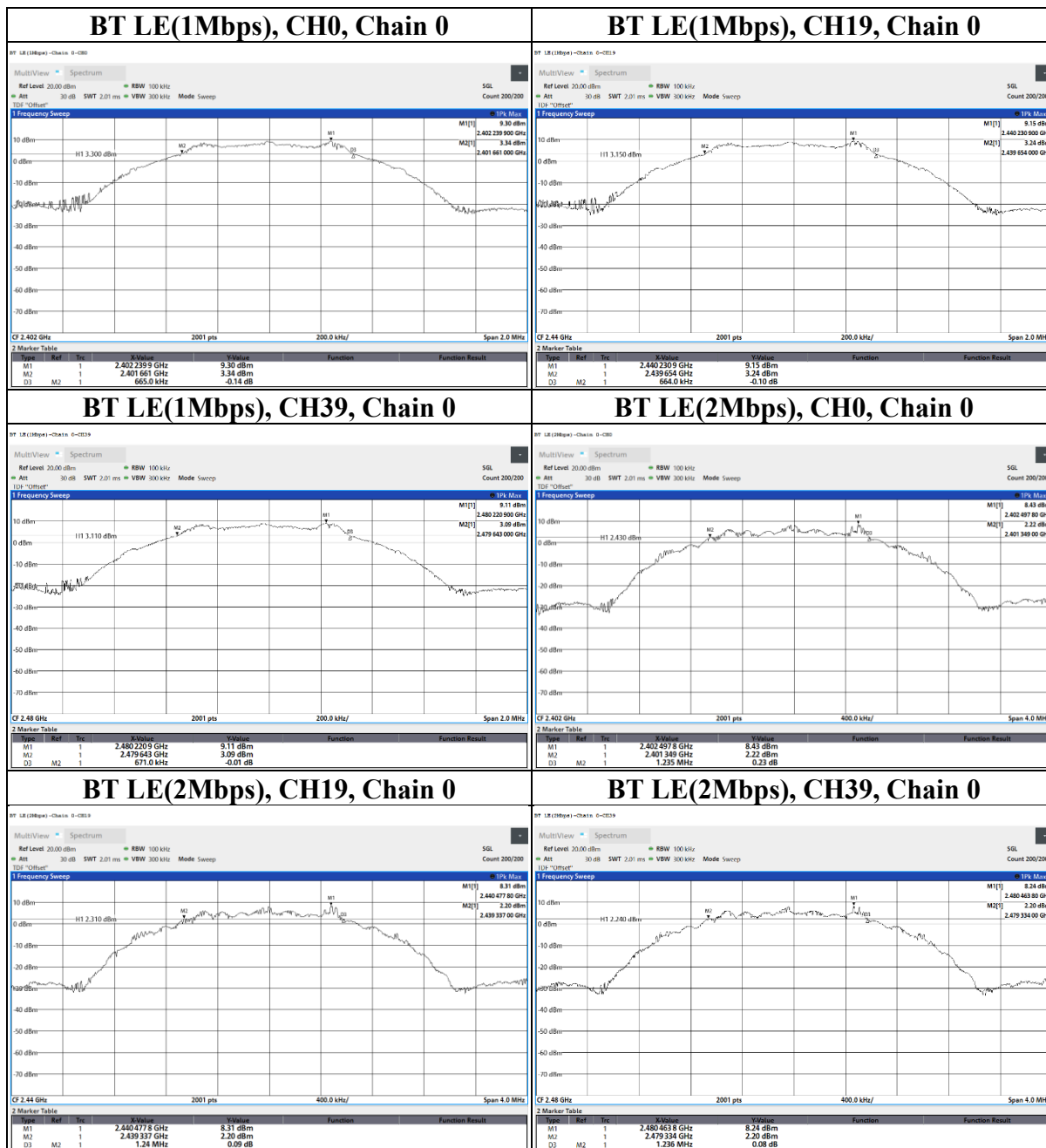
Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0



9.2. Conducted Output Power

Requirements

For systems using digital modulation in the 2400-2483.5 MHz bands: 1 Watt.

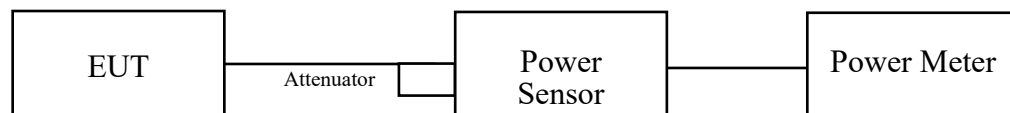
Note:

1. P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi, B is the 26 dB emission bandwidth in megahertz
2. If EUT with Multiple Transmitter Output:
 - a. Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{\text{ant}}]$ dBi.
Nant: Number of Transmit Antennas
G1, G2,..., Gn: Gain of Individual Antennas
Example: two antenna and gain 5 dBi / 3dBi, so if it was used for TxBF power measurement
Directional Gain = $10 \log[(105/20 + 103/20)^2 / 2]$ dBi = 7.07 dBi
 - b. Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices, CDD
Array Gain = 0 dB (i.e., no array gain) for $N_{\text{ANT}} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;
Array Gain = $5 \log(N_{\text{ANT}}/N_{\text{SS}})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{\text{ANT}} \geq 5$.
Example: Maximum antenna gain = 5 dBi and $N_{\text{ANT}} \leq 4$, so if it was used for CDD power measurement
Directional Gain = 5 dBi + Array Gain = 5 dBi + 0 dB = 5 dBi
 - c. For power measurement of KDB 662911 is used with multiple transmitter output. Total conducted power is the sum of the conducted power levels measured at the various output ports.

Test Procedure

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Test Setup



The loss between RF output port of the EUT and the input port of the Power Meter has been taken into consideration.

Test Data

Mode	CH	Freq. (MHz)	Peak Power (dBm) Chain 0	Total Power (mW)	Total Power (dBm)	AVG Power (dBm) Chain 0	Total Power (mW)	Total Power (dBm)	Limit (dBm)	Result
BT LE(1Mbps)	0	2402	9.19	8.299	9.19	8.64	7.311	8.64	30	Pass
	19	2440	9.2	8.318	9.2	8.77	7.534	8.77	30	Pass
	39	2480	9.39	8.69	9.39	9.01	7.962	9.01	30	Pass
BT LE(2Mbps)	0	2402	9.4	8.71	9.4	8.73	7.464	8.73	30	Pass
	19	2440	9.42	8.75	9.42	8.82	7.621	8.82	30	Pass
	39	2480	9.53	8.974	9.53	9.05	8.035	9.05	30	Pass

Note: Average Power is for reference Only.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

9.3. Power Spectral Density

Requirements

The Maximum of Power Spectral Density Measurement is 8dBm in any 3 kHz (If $G_{TX} > 6$ dBi, then $PSD = 8 - (G_{TX} - 6)$).

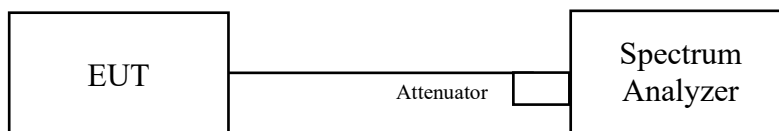
Note:

1. PSD = power spectral density that the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz.
2. G_{TX} = the maximum transmitting antenna directional gain in dBi.
3. If EUT with Multiple Transmitter Output:
 - a. Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / Nant]$ dBi.
Nant: Number of Transmit Antennas
 $G1, G2, \dots, Gn$: Gain of Individual Antennas
Example: two antenna and gain 5 dBi / 3dBi, so if it was used for power density measurement
Directional Gain = $10 \log[(10^{5/20} + 10^{3/20})^2 / 2]$ dBi = 7.07 dBi
 - b. "PSD per chain" of the report shown is maximum value for each chain, at the "Total PSD" is summing entire spectra across corresponding frequency bins on the various outputs by computer, refer KDB 662911 Method a) for calculating total power density.
 - c. Method a) of power density measurement of KDB 662911 is used for calculating total power density with multiple transmitter output. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

Test procedure

- a. Set analyzer center frequency to DTS channel center frequency.
- b. Set the span to 1.5 times the DTS bandwidth.
- c. Set the RBW to: $3 \text{ kHz} \leq RBW \leq 100 \text{ kHz}$.
- d. Set the VBW $\geq 3 \times RBW$.
- e. Detector = peak.
- f. Sweep time = auto couple.
- g. Trace mode = max hold.
- h. Allow trace to fully stabilize.
- i. Use the peak marker function to determine the maximum amplitude level within the RBW.

Test Setup



The loss between RF output port of the EUT and the input port of the Spectrum Analyzer has been taken into consideration.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Test Data

Mode	CH	Freq (MHz)	Chain	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BT LE(1Mbps)	0	2402	Chain 0	-7.5	8	PASS
BT LE(1Mbps)	19	2440	Chain 0	-7.55	8	PASS
BT LE(1Mbps)	39	2480	Chain 0	-7.45	8	PASS
BT LE(2Mbps)	0	2402	Chain 0	-10.49	8	PASS
BT LE(2Mbps)	19	2440	Chain 0	-10.61	8	PASS
BT LE(2Mbps)	39	2480	Chain 0	-10.79	8	PASS

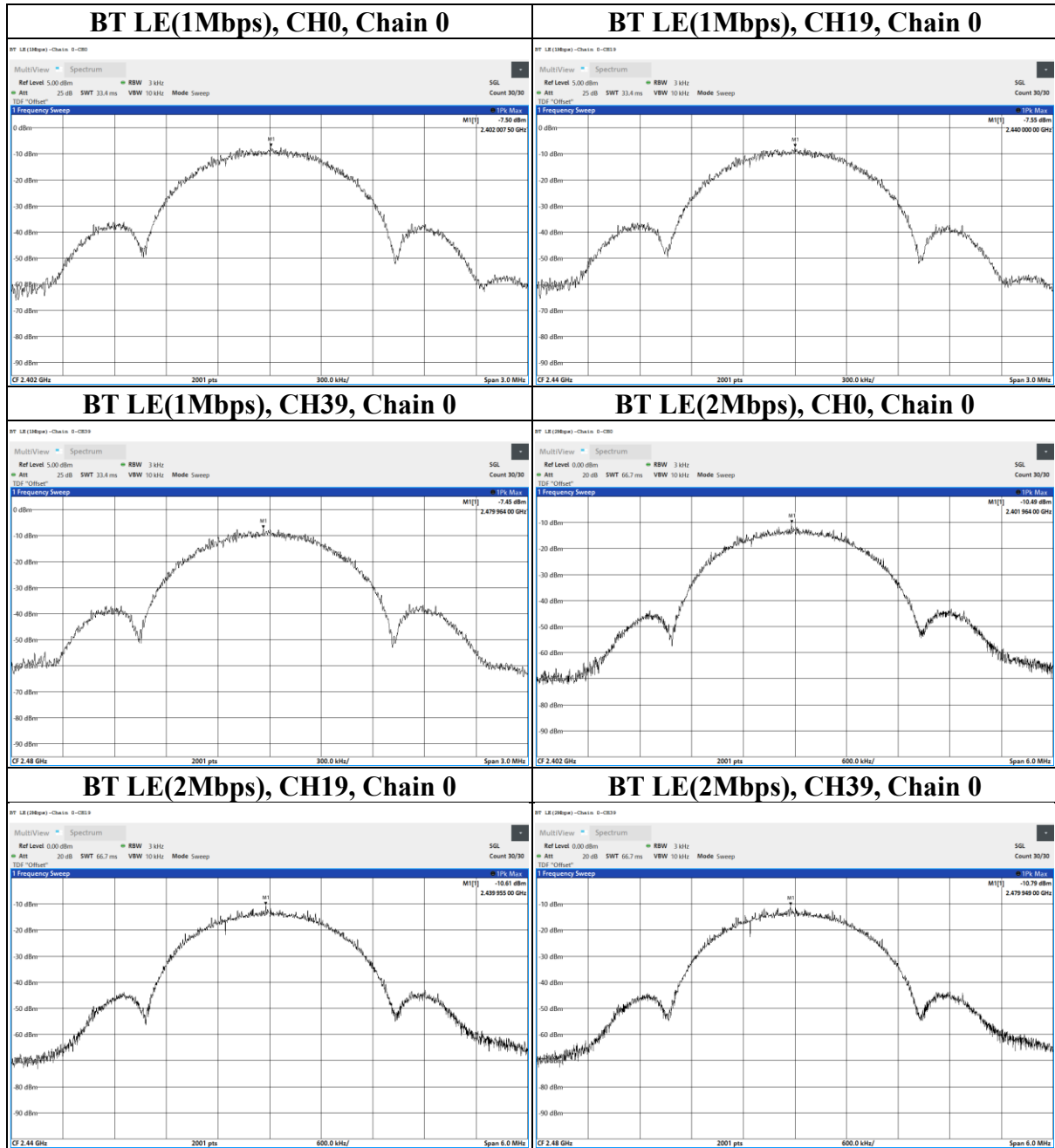
Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0



9.4. Conducted Out of Band Emission

Requirements

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b) (3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209 (a) is not required.

Test procedure

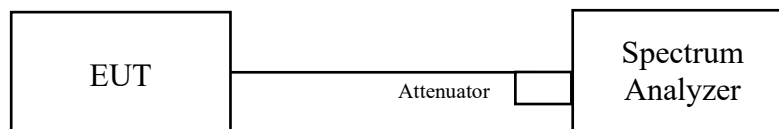
Measurement Procedure REF

1. Set the RBW = 100 kHz.
2. Set the VBW $\geq$ 300 kHz.
3. Set the span to 1.5 times the DTS bandwidth.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

Measurement Procedure OOBE

1. Set RBW = 100 kHz.
2. Set VBW $\geq$ 300 kHz.
3. Detector = peak.
4. Sweep = auto couple.
5. Trace Mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum amplitude level.

Test Setup



The loss between RF output port of the EUT and the input port of the Spectrum Analyzer has been taken into consideration.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

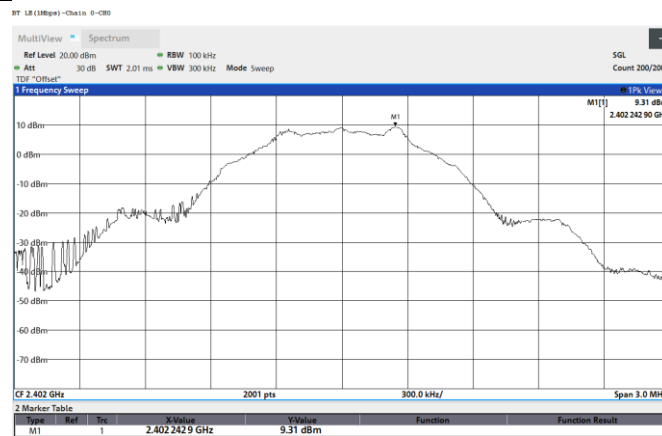
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

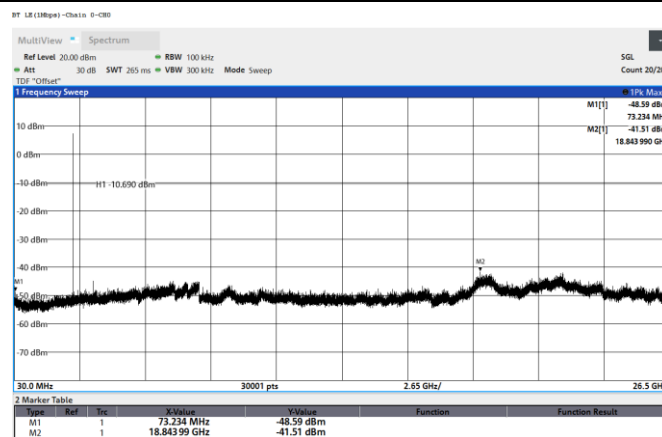
Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Test Data

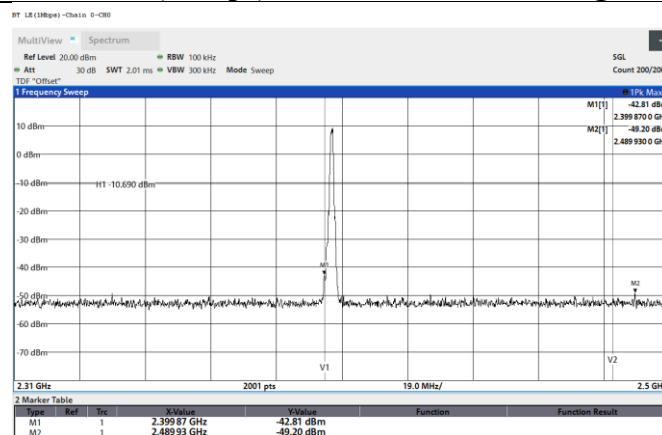
BT LE(1Mbps), CH0, Chain 0, Reference



BT LE(1Mbps), CH0, Chain 0, Conducted Emission



BT LE(1Mbps), CH0, Chain 0, Bandedge



Underwriters Laboratories Taiwan Co., Ltd.

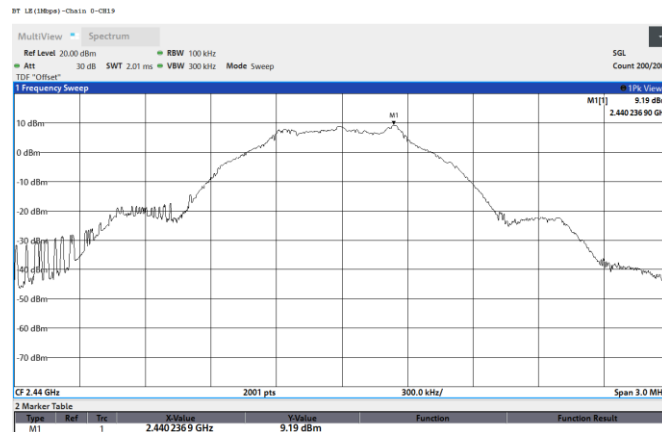
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

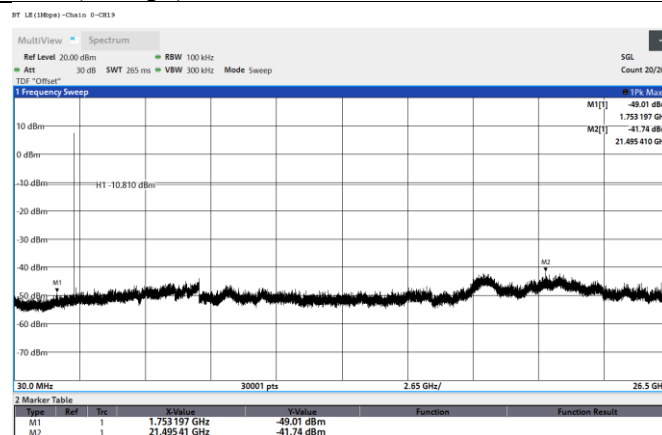
Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

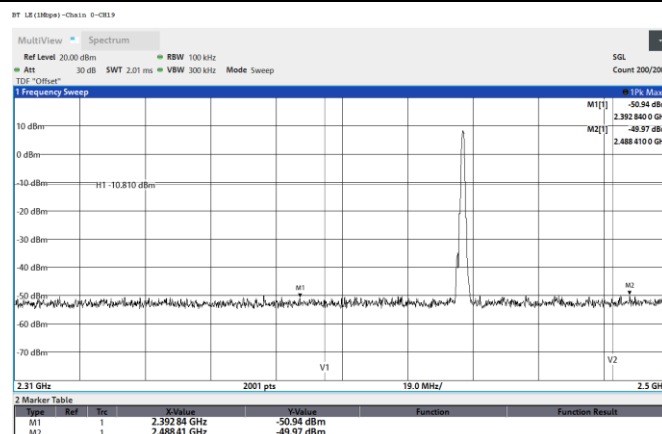
BT LE(1Mbps), CH19, Chain 0, Reference



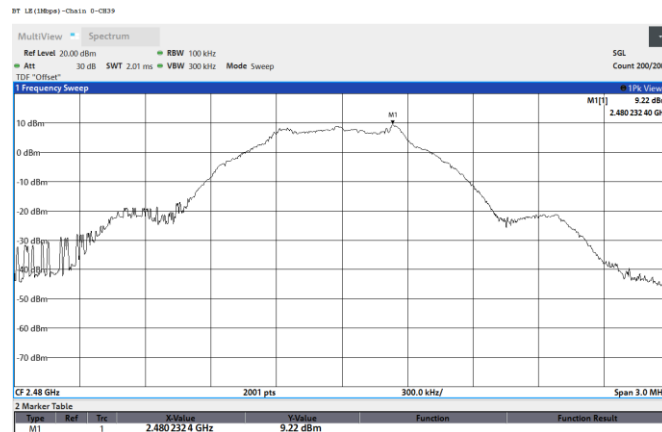
BT LE(1Mbps), CH19, Chain 0, Conducted Emission



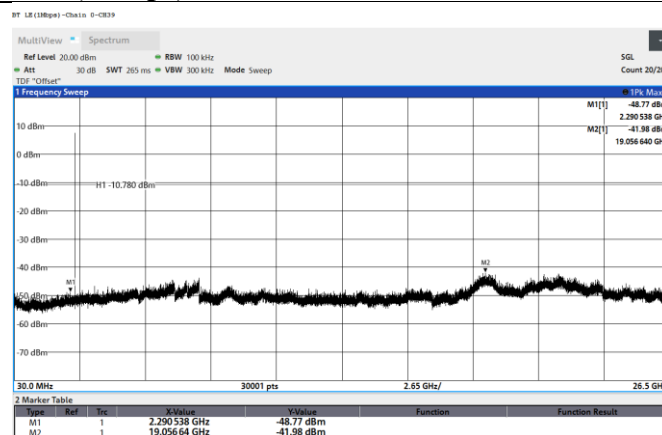
BT LE(1Mbps), CH19, Chain 0, Bandedge



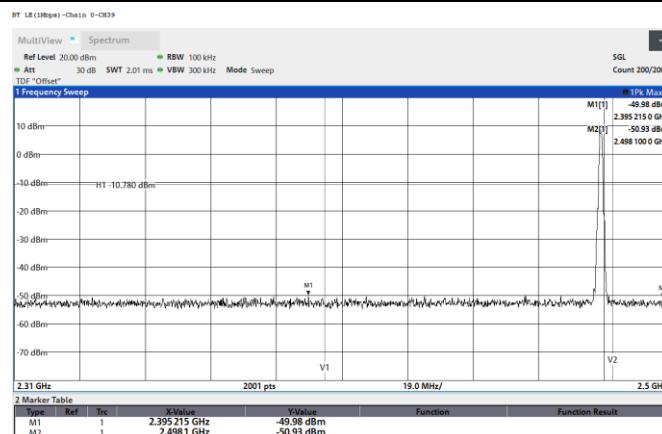
BT LE(1Mbps), CH39, Chain 0, Reference



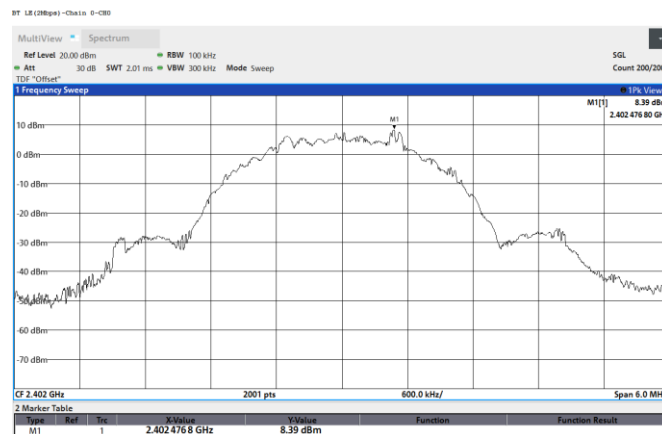
BT LE(1Mbps), CH39, Chain 0, Conducted Emission



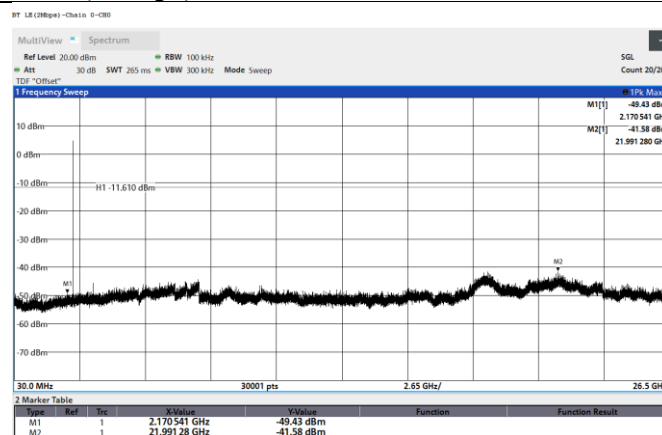
BT LE(1Mbps), CH39, Chain 0, Bandedge



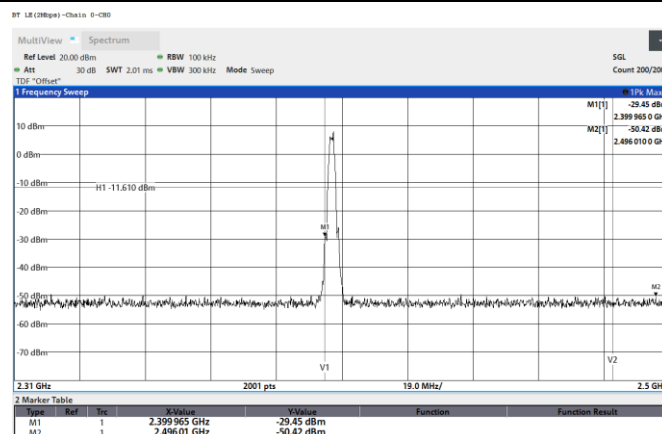
BT LE(2Mbps), CH0, Chain 0, Reference



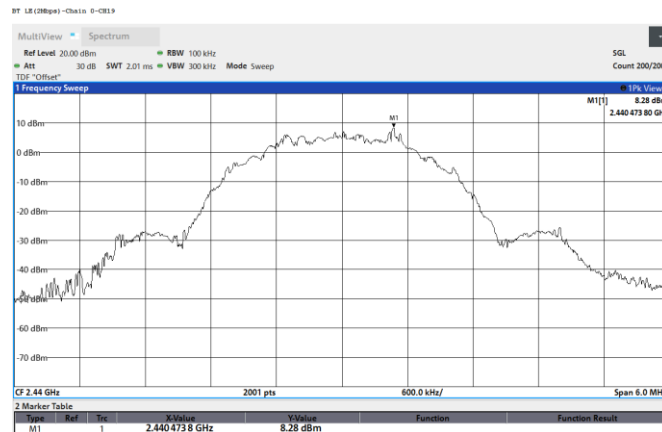
BT LE(2Mbps), CH0, Chain 0, Conducted Emission



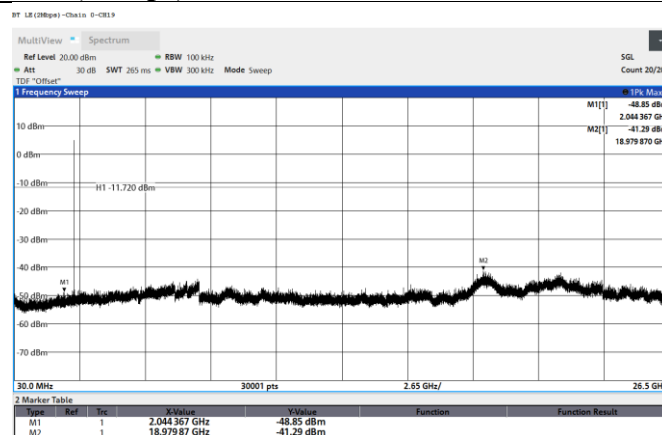
BT LE(2Mbps), CH0, Chain 0, Bandedge



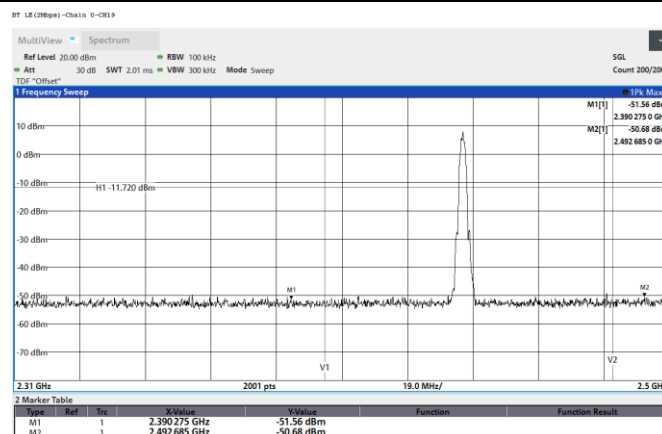
BT LE(2Mbps), CH19, Chain 0, Reference



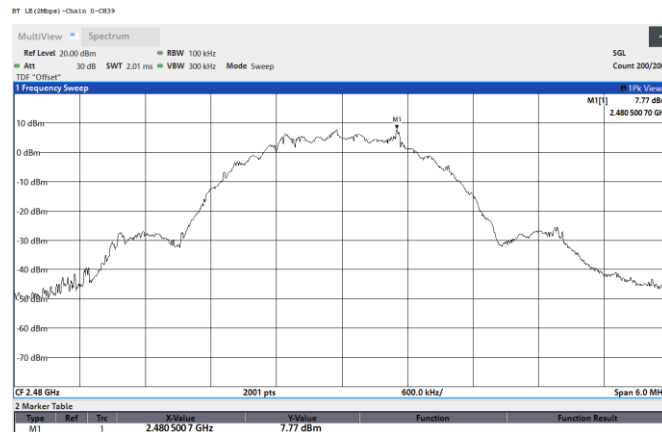
BT LE(2Mbps), CH19, Chain 0, Conducted Emission



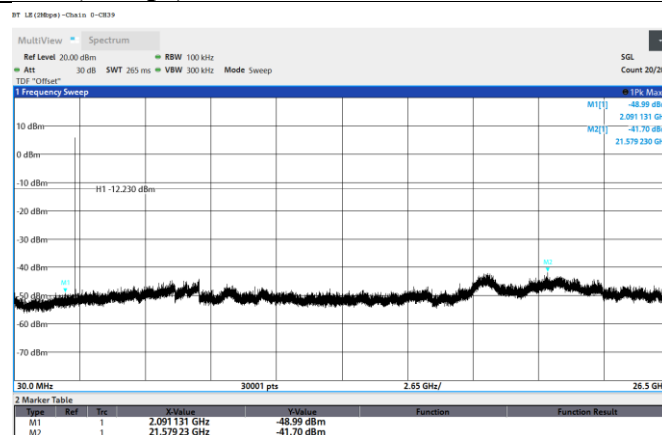
BT LE(2Mbps), CH19, Chain 0, Bandedge



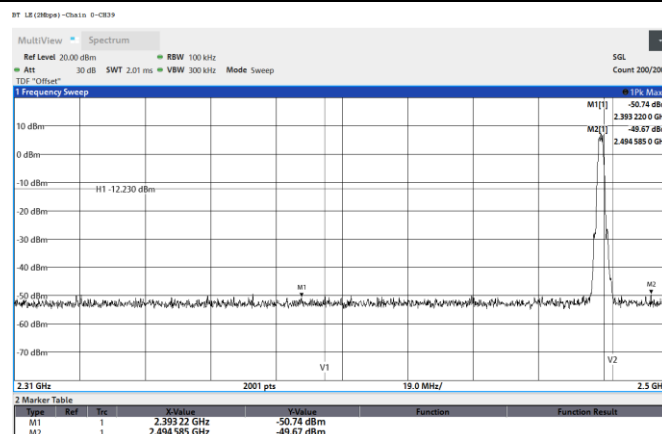
BT LE(2Mbps), CH39, Chain 0, Reference



BT LE(2Mbps), CH39, Chain 0, Conducted Emission



BT LE(2Mbps), CH39, Chain 0, Bandedge



9.5. Radiated Spurious Emission

Requirements

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequency(MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Test Procedures

[For 9 kHz ~ 30 MHz]

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. For measurement below 30MHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

[For above 30 MHz]

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- f. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Note:

- a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- b. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

Peak

Frequency	RBW	VBW
9 kHz~150 kHz	200 Hz	600 Hz
150 kHz~30 MHz	10 kHz	30 kHz
30 MHz~1 GHz	120 kHz	360 kHz
Above 1GHz	1 MHz	3 MHz

Average for above 1GHz

RBW	VBW
1MHz	Refer to section 6.6 for duty cycle.

- d. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels were low against the limit.
- e. Test data of Result value (dBuV/m) = Reading value (dBuV) + Correction Factor (dB/m).
- f. Test data of Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
- g. Test data of Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Preamp Factor (dB).
- h. Test data of Notation "@" = Fundamental Frequency
- i. Test data of Notation " * " = The peak result under 20 dB above and complies with AVG limit, AVG result is deemed to comply with AVG limit.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

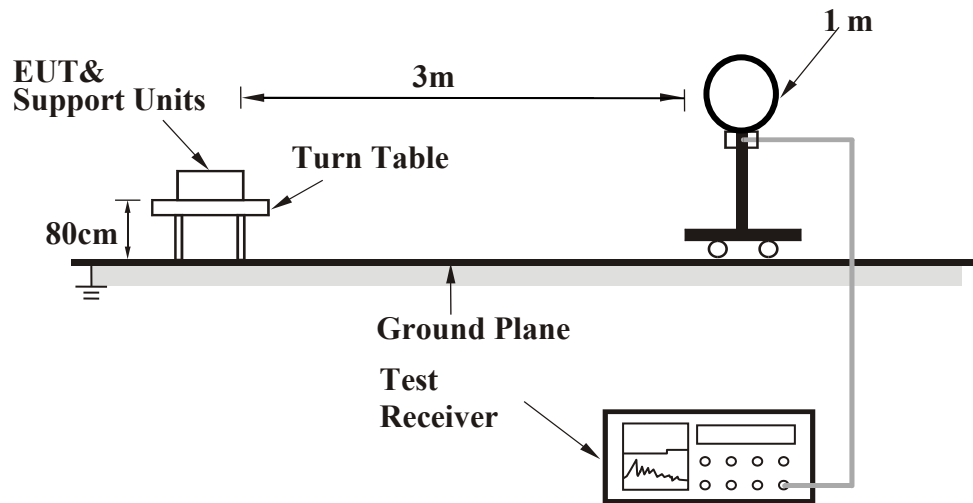
Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

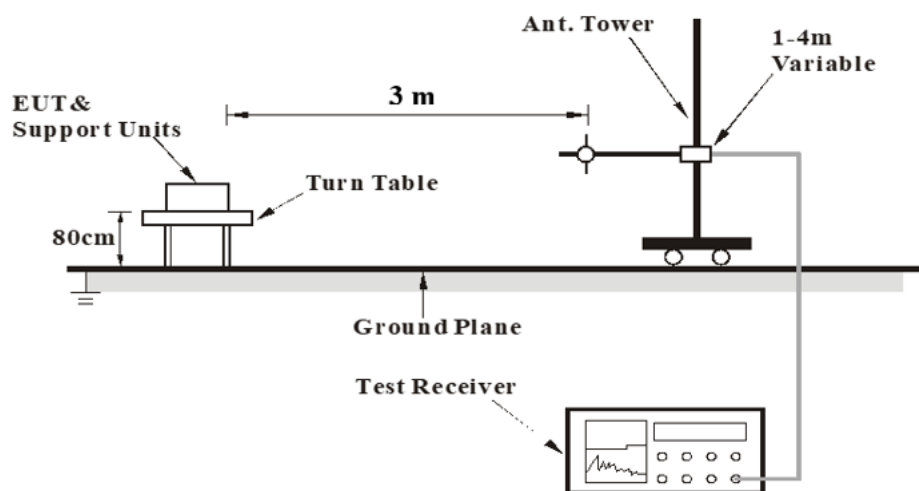
Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Test Setup

<Frequency Range 9 kHz ~ 30 MHz>



<Frequency Range 30 MHz ~ 1 GHz >



Underwriters Laboratories Taiwan Co., Ltd.

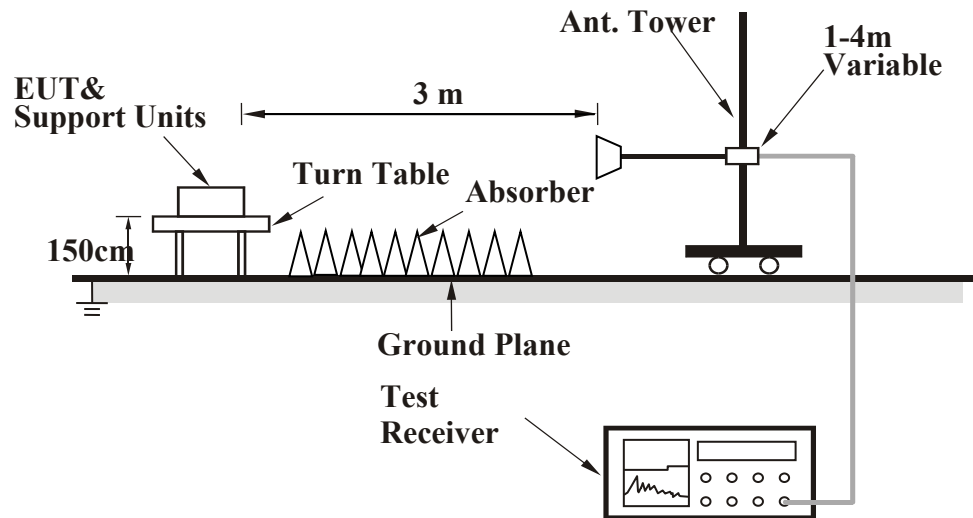
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

<Frequency Range above 1 GHz>



For the actual test configuration, please refer to the Setup Configurations.

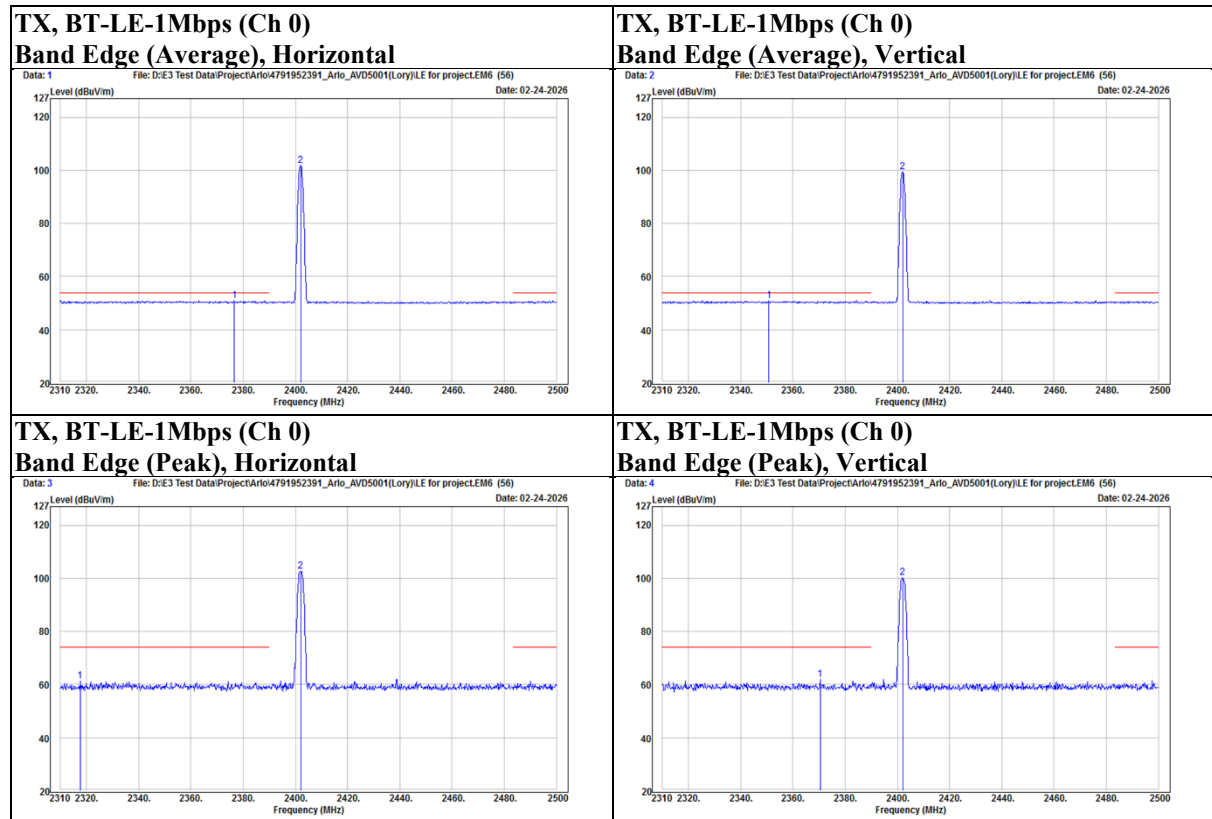
Test Data

AVD6001, AVD5001

Above 1 GHz

Mode	BT-LE-1Mbps	Channel	0
------	-------------	---------	---

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		2317.6	40.31	20.92	61.23	74	-12.77	PK
		2376.69	30.01	20.86	50.87	54	-3.13	AVG
	@	2402	81.82	20.8	102.62	N/A	N/A	PK
	@	2402	80.99	20.8	101.79	N/A	N/A	AVG
Vertical		2350.85	29.88	20.92	50.8	54	-3.2	AVG
		2370.42	41.1	20.87	61.97	74	-12.03	PK
	@	2402	79.32	20.8	100.12	N/A	N/A	PK
	@	2402	78.69	20.8	99.49	N/A	N/A	AVG



Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

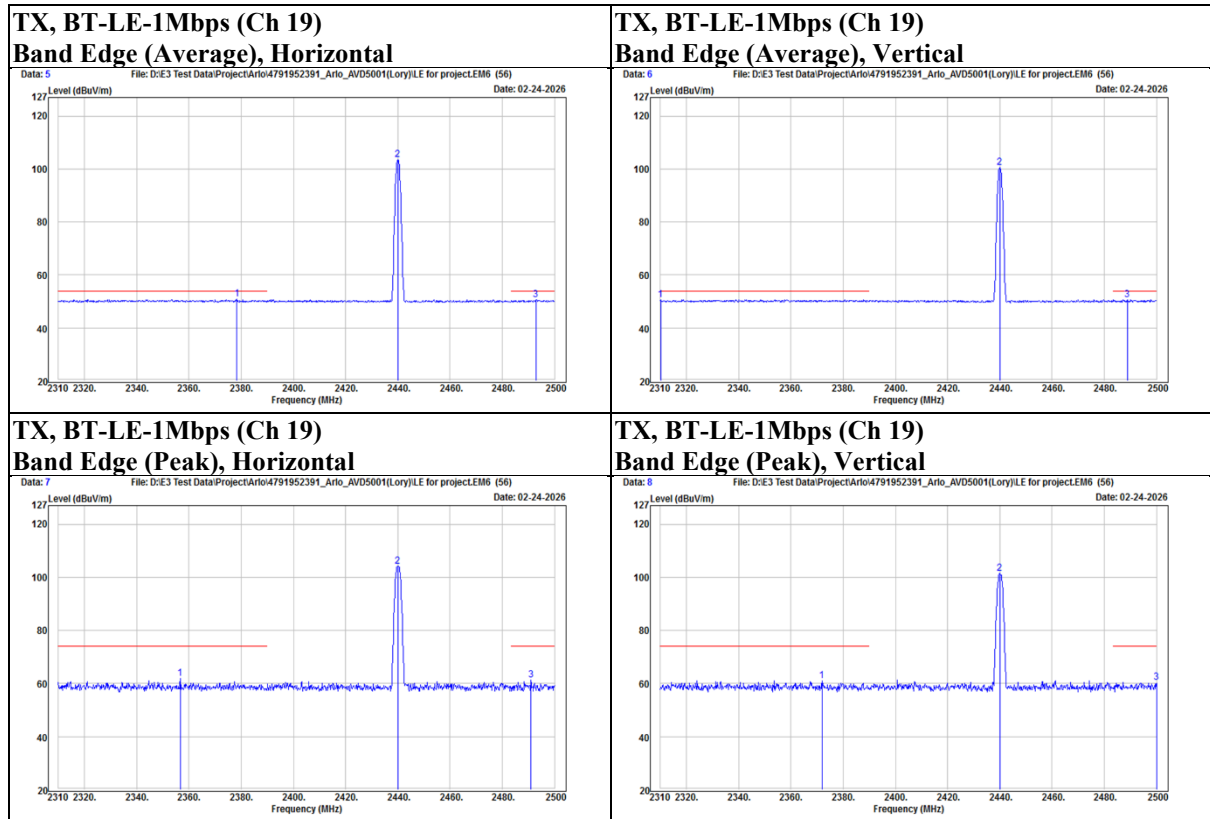
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Mode	BT-LE-1Mbps	Channel	19
------	-------------	---------	----

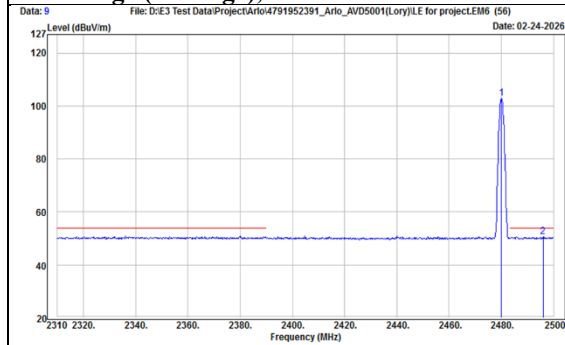
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		2356.74	40.88	20.9	61.78	74	-12.22	PK
		2378.4	30.05	20.86	50.91	54	-3.09	AVG
	@	2440	83.57	20.64	104.21	N/A	N/A	PK
	@	2440	83.02	20.64	103.66	N/A	N/A	AVG
		2490.88	40.54	20.66	61.2	74	-12.8	PK
		2492.78	30	20.67	50.67	54	-3.33	AVG
Vertical		2310.19	29.76	20.93	50.69	54	-3.31	AVG
		2371.94	40.21	20.87	61.08	74	-12.92	PK
	@	2440	80.76	20.64	101.4	N/A	N/A	PK
	@	2440	80.05	20.64	100.69	N/A	N/A	AVG
		2488.79	29.9	20.66	50.56	54	-3.44	AVG
		2500	39.81	20.68	60.49	74	-13.51	PK



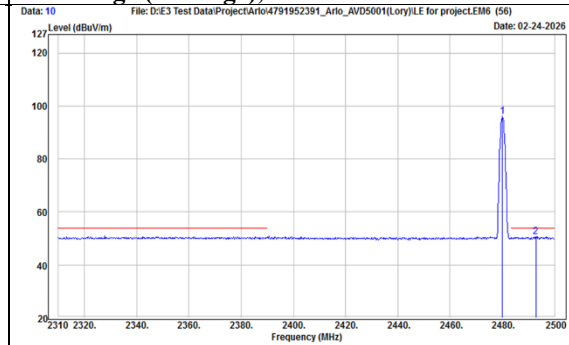
Mode	BT-LE-1Mbps	Channel	39
------	-------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	2480	82.68	20.64	103.32	N/A	N/A	PK
	@	2480	82.22	20.64	102.86	N/A	N/A	AVG
		2493.92	40.64	20.67	61.31	74	-12.69	PK
		2496.01	29.99	20.67	50.66	54	-3.34	AVG
Vertical	@	2480	75.79	20.64	96.43	N/A	N/A	PK
	@	2480	75.34	20.64	95.98	N/A	N/A	AVG
		2492.78	29.86	20.67	50.53	54	-3.47	AVG
		2493.73	39.76	20.67	60.43	74	-13.57	PK

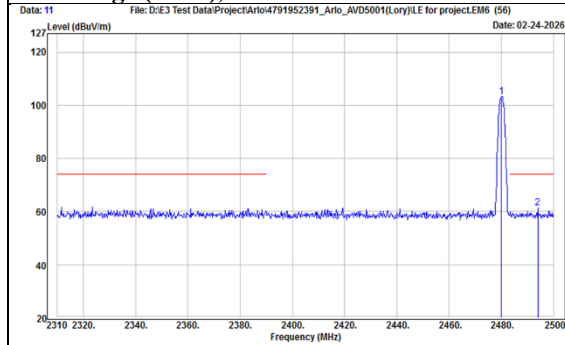
TX, BT-LE-1Mbps (Ch 39)
Band Edge (Average), Horizontal



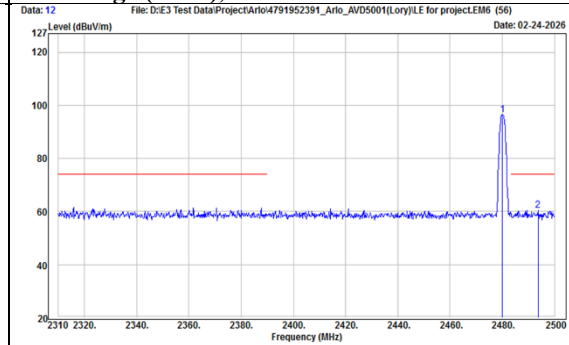
TX, BT-LE-1Mbps (Ch 39)
Band Edge (Average), Vertical



TX, BT-LE-1Mbps (Ch 39)
Band Edge (Peak), Horizontal

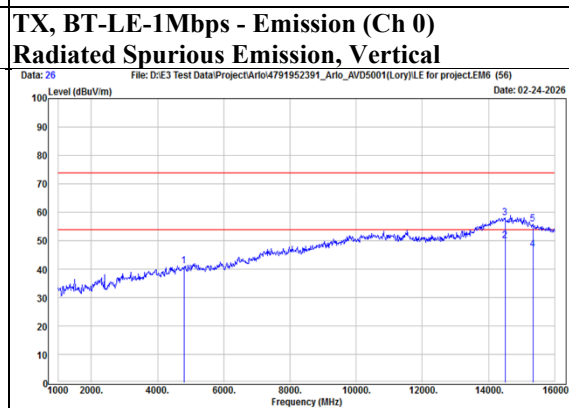
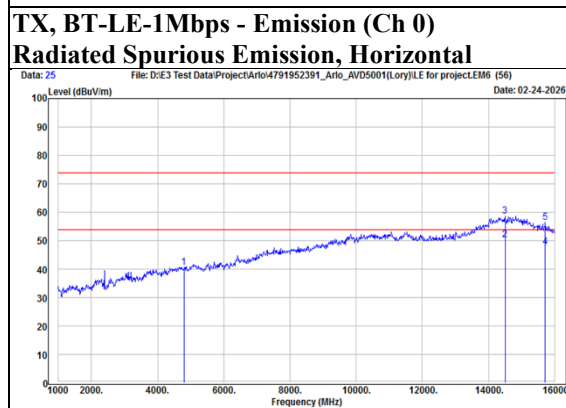
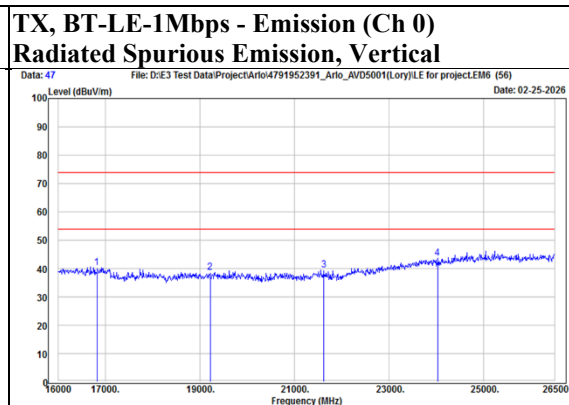
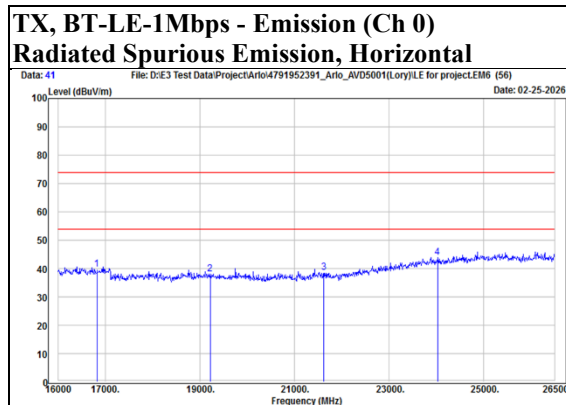


TX, BT-LE-1Mbps (Ch 39)
Band Edge (Peak), Vertical



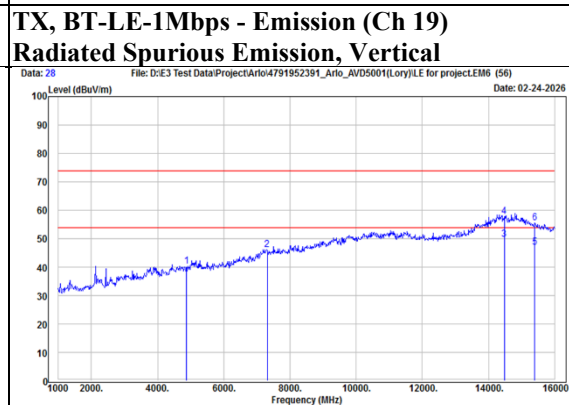
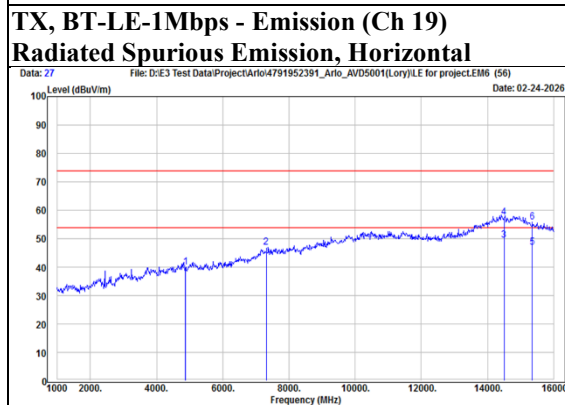
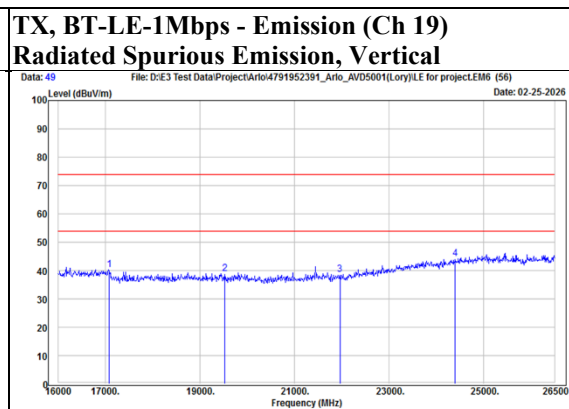
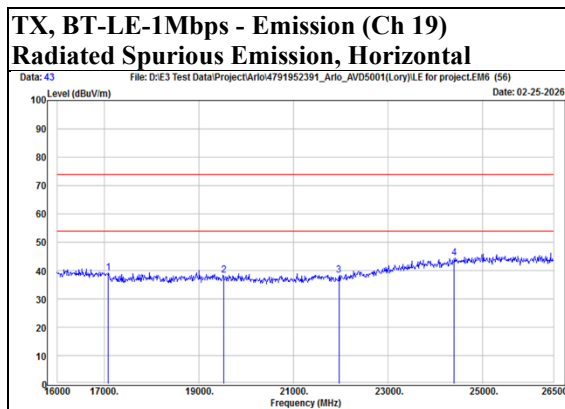
Mode	BT-LE-1Mbps - Emission	Channel	0
------	------------------------	---------	---

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4804	36.35	4.22	40.57	74	-33.43	PK
		14500	30.48	28	58.48	74	-15.52	PK
		14500	22.21	28	50.21	54	-3.79	AVG
		15715	31.1	25.39	56.49	74	-17.51	PK
		15715	22.27	25.39	47.66	54	-6.34	AVG
	*	16814	34.35	5.41	39.76	74	-34.24	PK
	*	19216	34.59	3.58	38.17	74	-35.83	PK
	*	21618	32.38	6.16	38.54	74	-35.46	PK
Vertical	*	24020	33.05	10.74	43.79	74	-30.21	PK
	*	4804	36.92	4.22	41.14	74	-32.86	PK
		14500	30.14	28	58.14	74	-15.86	PK
		14500	21.87	28	49.87	54	-4.13	AVG
		15340	29.27	26.45	55.72	74	-18.28	PK
		15340	20.44	26.45	46.89	54	-7.11	AVG
	*	16814	34.9	5.41	40.31	74	-33.69	PK
	*	19216	35.03	3.58	38.61	74	-35.39	PK
	*	21618	33.36	6.16	39.52	74	-34.48	PK
	*	24020	32.75	10.74	43.49	74	-30.51	PK



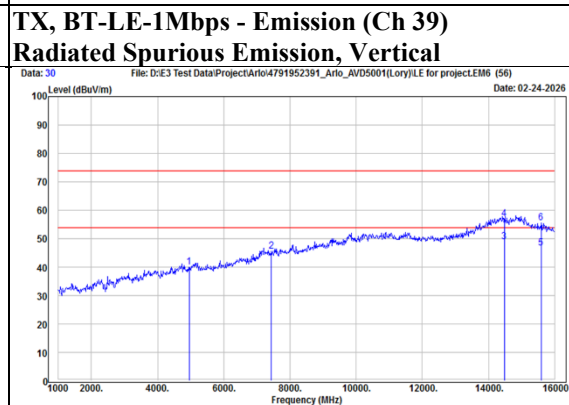
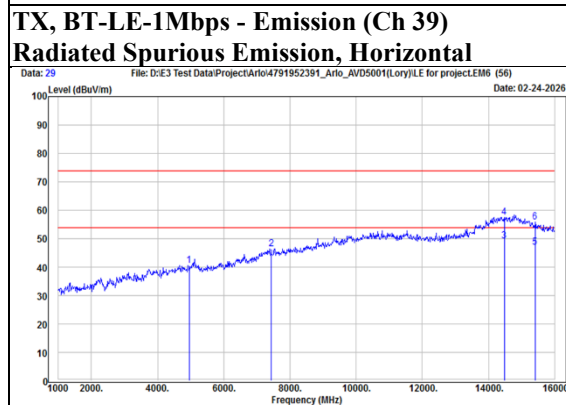
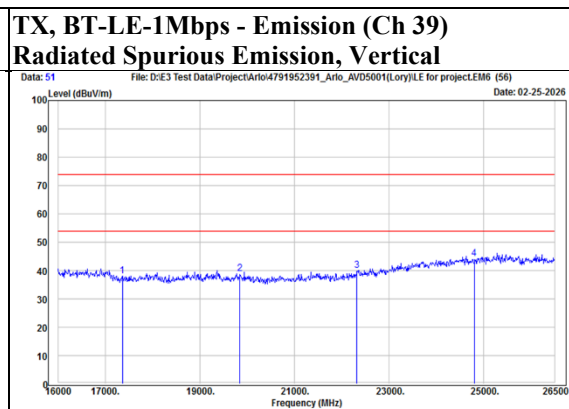
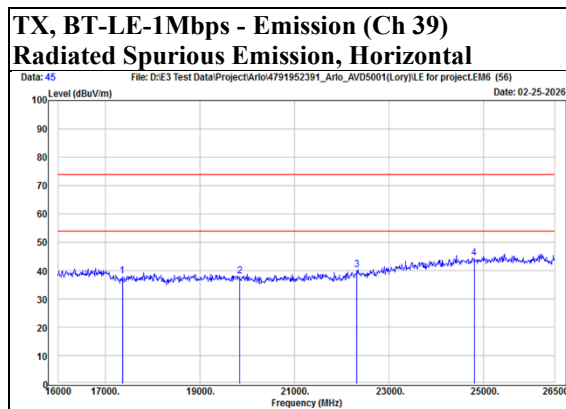
Mode	BT-LE-1Mbps - Emission	Channel	19
------	------------------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4880	35.55	4.46	40.01	74	-33.99	PK
	*	7320	34.72	12.19	46.91	74	-27.09	PK
		14500	29.62	28	57.62	74	-16.38	PK
		14500	21.35	28	49.35	54	-4.65	AVG
		15355	29.47	26.36	55.83	74	-18.17	PK
		15355	20.64	26.36	47	54	-7	AVG
	*	17080	33.84	5.39	39.23	74	-34.77	PK
	*	19520	34.42	3.99	38.41	74	-35.59	PK
	*	21960	32	6.25	38.25	74	-35.75	PK
Vertical	*	24400	32.39	11.93	44.32	74	-29.68	PK
	*	4880	35.85	4.46	40.31	74	-33.69	PK
	*	7320	33.91	12.19	46.1	74	-27.9	PK
		14485	29.91	27.98	57.89	74	-16.11	PK
		14485	21.64	27.98	49.62	54	-4.38	AVG
		15400	29.51	26.14	55.65	74	-18.35	PK
		15400	20.68	26.14	46.82	54	-7.18	AVG
	*	17080	34.97	5.39	40.36	74	-33.64	PK
	*	19520	34.91	3.99	38.9	74	-35.1	PK
	*	21960	32.25	6.25	38.5	74	-35.5	PK
	*	24400	32.19	11.93	44.12	74	-29.88	PK



Mode	BT-LE-1Mbps - Emission	Channel	39
------	------------------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4960	36.1	4.59	40.69	74	-33.31	PK
	*	7440	33.71	12.58	46.29	74	-27.71	PK
		14485	29.51	27.98	57.49	74	-16.51	PK
		14485	21.24	27.98	49.22	54	-4.78	AVG
		15415	29.64	26.1	55.74	74	-18.26	PK
		15415	20.81	26.1	46.91	54	-7.09	AVG
	*	17360	33.28	4.89	38.17	74	-35.83	PK
	*	19840	34.01	4.06	38.07	74	-35.93	PK
	*	22320	33.3	6.93	40.23	74	-33.77	PK
Vertical	*	24800	31.87	12.44	44.31	74	-29.69	PK
	*	4960	35.54	4.59	40.13	74	-33.87	PK
	*	7440	33.09	12.58	45.67	74	-28.33	PK
		14485	29.04	27.98	57.02	74	-16.98	PK
		14485	20.77	27.98	48.75	54	-5.25	AVG
		15595	30.03	25.5	55.53	74	-18.47	PK
		15595	21.2	25.5	46.7	54	-7.3	AVG
	*	17360	33.06	4.89	37.95	74	-36.05	PK
	*	19840	34.81	4.06	38.87	74	-35.13	PK
	*	22320	33.02	6.93	39.95	74	-34.05	PK
	*	24800	31.78	12.44	44.22	74	-29.78	PK



Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

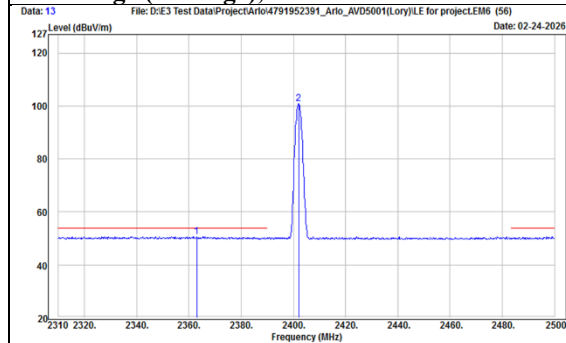
Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

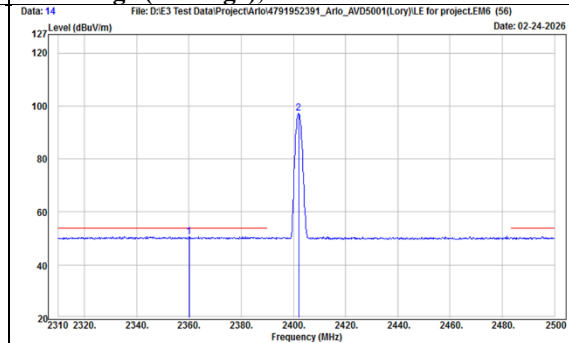
Mode	BT-LE-2Mbps	Channel	0
------	-------------	---------	---

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		2319.69	40.88	20.92	61.8	74	-12.2	PK
		2363.01	29.86	20.89	50.75	54	-3.25	AVG
	@	2402	81.7	20.8	102.5	N/A	N/A	PK
	@	2402	80.16	20.8	100.96	N/A	N/A	AVG
Vertical		2313.61	40.78	20.92	61.7	74	-12.3	PK
		2360.16	29.83	20.89	50.72	54	-3.28	AVG
	@	2402	78.06	20.8	98.86	N/A	N/A	PK
	@	2402	76.56	20.8	97.36	N/A	N/A	AVG

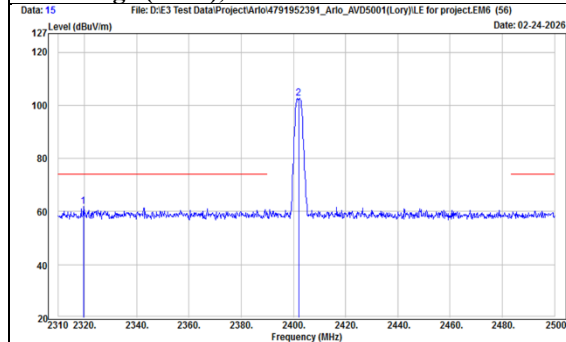
TX, BT-LE-2Mbps (Ch 0)
Band Edge (Average), Horizontal



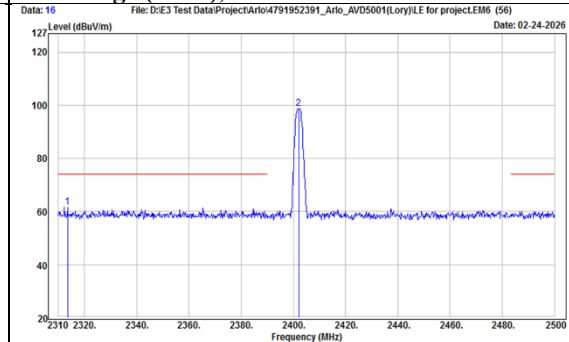
TX, BT-LE-2Mbps (Ch 0)
Band Edge (Average), Vertical



TX, BT-LE-2Mbps (Ch 0)
Band Edge (Peak), Horizontal

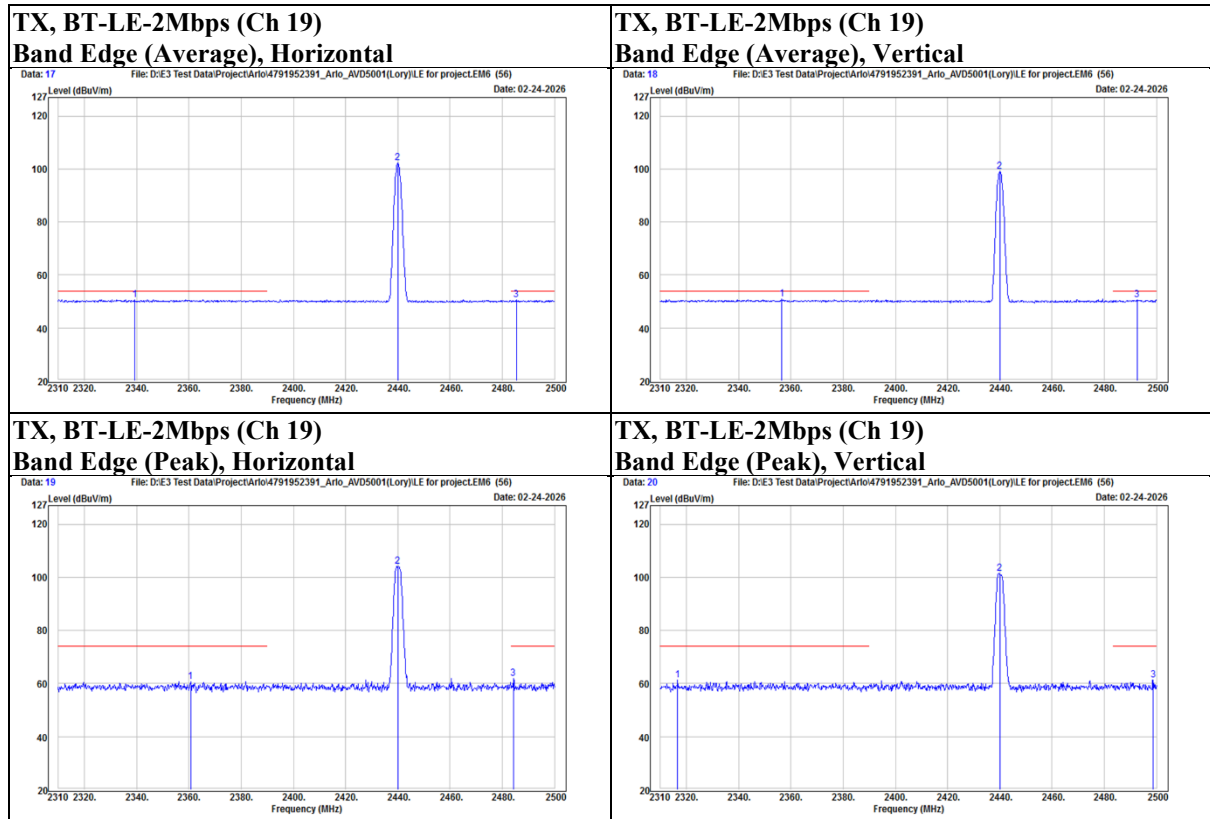


TX, BT-LE-2Mbps (Ch 0)
Band Edge (Peak), Vertical



Mode	BT-LE-2Mbps	Channel	19
------	-------------	---------	----

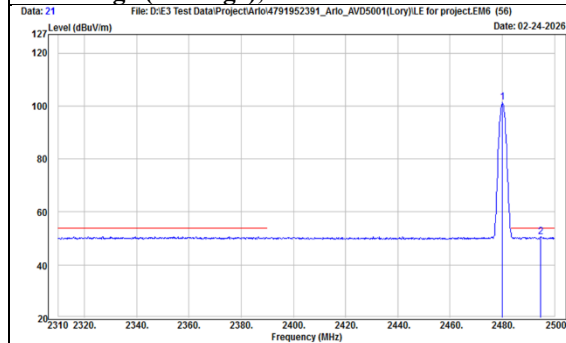
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		2339.26	29.83	20.91	50.74	54	-3.26	AVG
		2360.73	39.88	20.9	60.78	74	-13.22	PK
	@	2440	83.49	20.64	104.13	N/A	N/A	PK
	@	2440	81.57	20.64	102.21	N/A	N/A	AVG
		2484.23	41.19	20.65	61.84	74	-12.16	PK
		2485.37	29.91	20.65	50.56	54	-3.44	AVG
Vertical		2316.65	40.35	20.93	61.28	74	-12.72	PK
		2356.55	29.99	20.9	50.89	54	-3.11	AVG
	@	2440	80.82	20.64	101.46	N/A	N/A	PK
	@	2440	78.47	20.64	99.11	N/A	N/A	AVG
		2492.59	29.85	20.67	50.52	54	-3.48	AVG
		2498.67	40.68	20.68	61.36	74	-12.64	PK



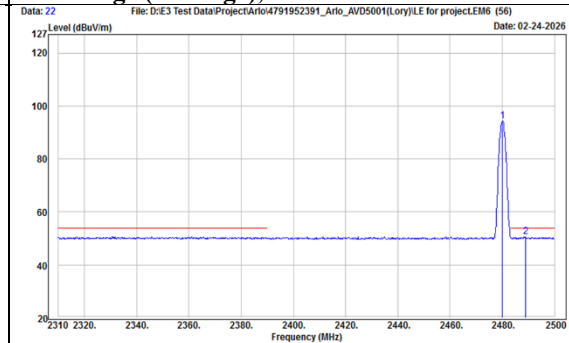
Mode	BT-LE-2Mbps	Channel	39
------	-------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	2480	82.36	20.64	103	N/A	N/A	PK
	@	2480	80.68	20.64	101.32	N/A	N/A	AVG
		2491.83	40.54	20.66	61.2	74	-12.8	PK
		2494.68	29.99	20.67	50.66	54	-3.34	AVG
Vertical	@	2480	75.52	20.64	96.16	N/A	N/A	PK
	@	2480	73.78	20.64	94.42	N/A	N/A	AVG
		2488.98	29.87	20.66	50.53	54	-3.47	AVG
		2499.81	40.05	20.68	60.73	74	-13.27	PK

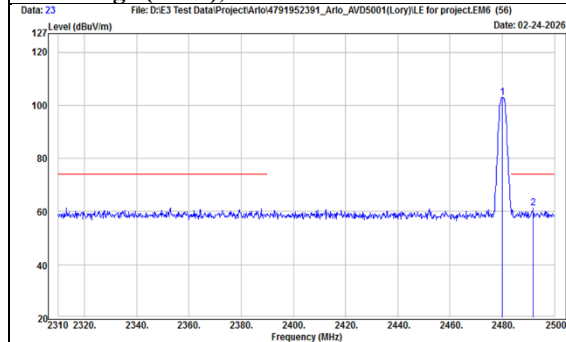
TX, BT-LE-2Mbps (Ch 39)
Band Edge (Average), Horizontal



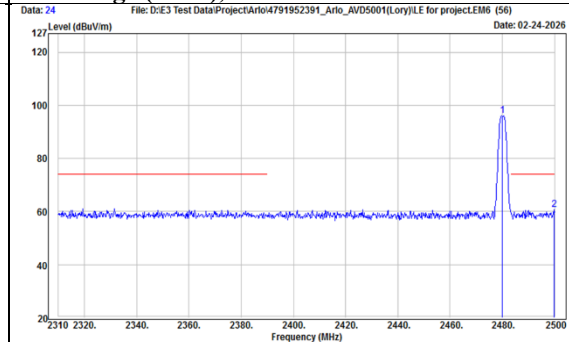
TX, BT-LE-2Mbps (Ch 39)
Band Edge (Average), Vertical



TX, BT-LE-2Mbps (Ch 39)
Band Edge (Peak), Horizontal

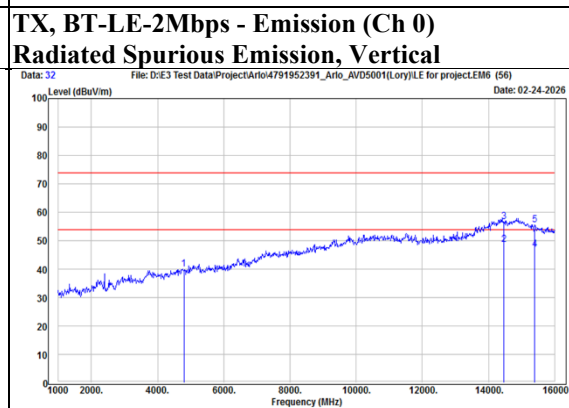
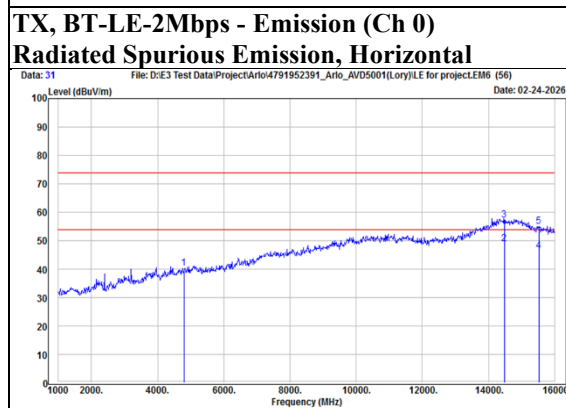
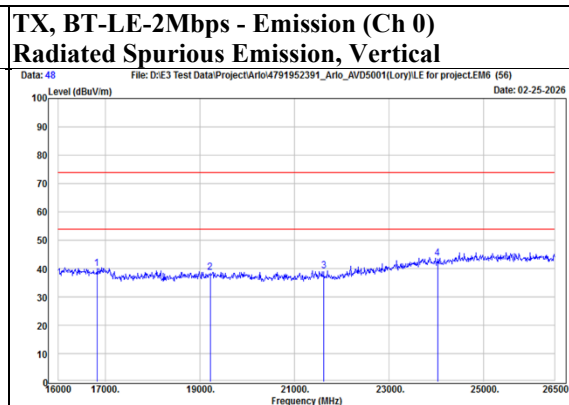
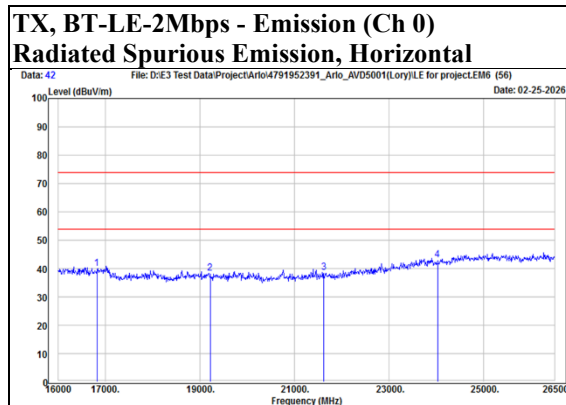


TX, BT-LE-2Mbps (Ch 39)
Band Edge (Peak), Vertical



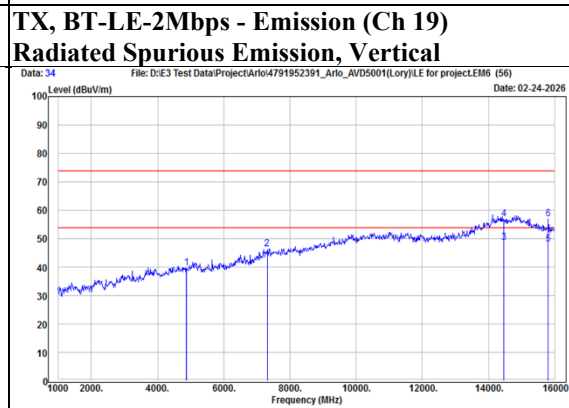
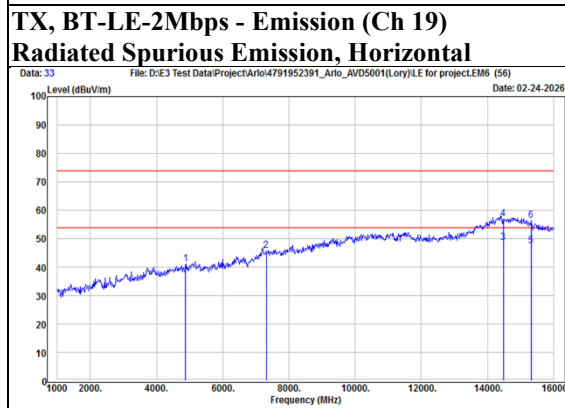
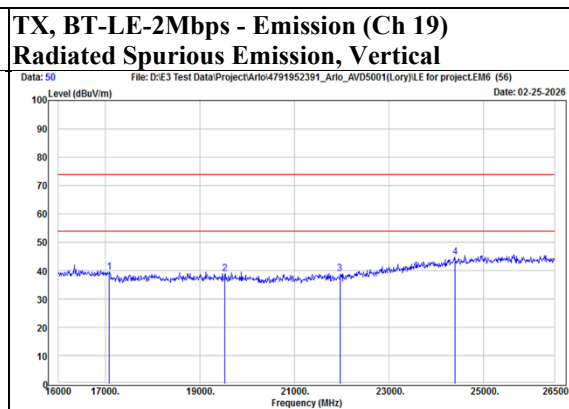
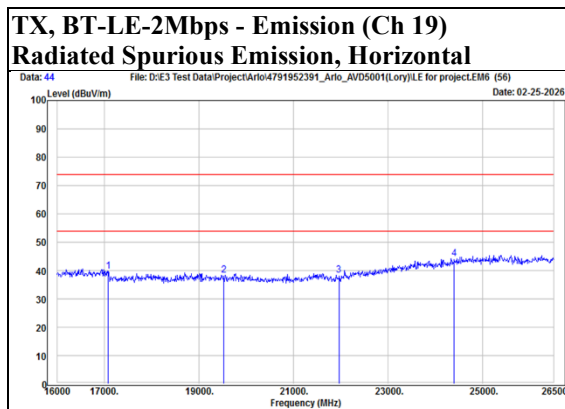
Mode	BT-LE-2Mbps - Emission	Channel	0
------	------------------------	---------	---

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4804	36.13	4.22	40.35	74	-33.65	PK
		14485	29.31	27.98	57.29	74	-16.71	PK
		14485	21.04	27.98	49.02	54	-4.98	AVG
		15520	29.26	25.84	55.1	74	-18.9	PK
		15520	20.43	25.84	46.27	54	-7.73	AVG
	*	16814	34.57	5.41	39.98	74	-34.02	PK
	*	19216	34.62	3.58	38.2	74	-35.8	PK
	*	21618	32.44	6.16	38.6	74	-35.4	PK
Vertical	*	24020	32.24	10.74	42.98	74	-31.02	PK
	*	4804	35.76	4.22	39.98	74	-34.02	PK
		14470	28.82	27.97	56.79	74	-17.21	PK
		14470	20.55	27.97	48.52	54	-5.48	AVG
		15400	29.51	26.14	55.65	74	-18.35	PK
		15400	20.68	26.14	46.82	54	-7.18	AVG
	*	16814	34.53	5.41	39.94	74	-34.06	PK
	*	19216	35	3.58	38.58	74	-35.42	PK
	*	21618	33.13	6.16	39.29	74	-34.71	PK
	*	24020	32.86	10.74	43.6	74	-30.4	PK



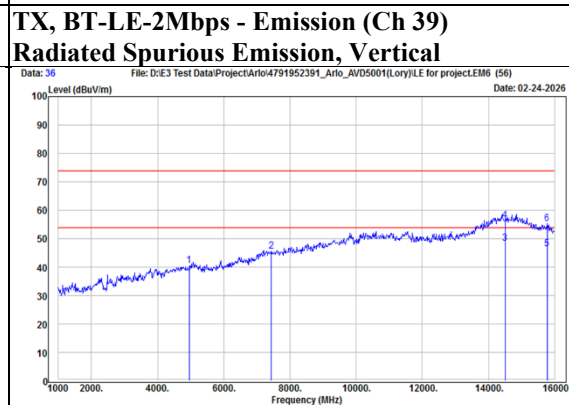
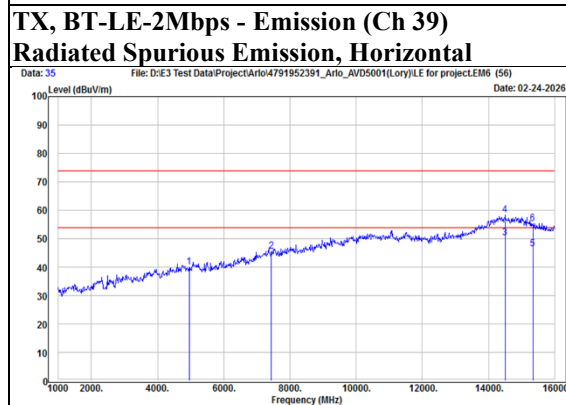
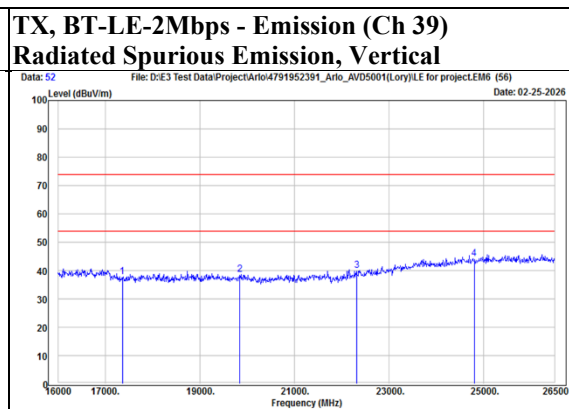
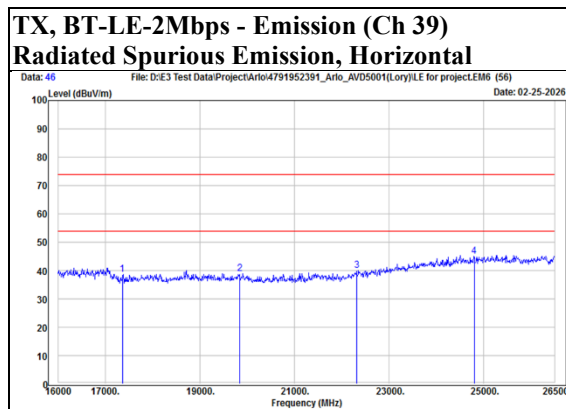
Mode	BT-LE-2Mbps - Emission	Channel	19
------	------------------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4880	36.67	4.46	41.13	74	-32.87	PK
	*	7320	33.62	12.19	45.81	74	-28.19	PK
		14485	28.87	27.98	56.85	74	-17.15	PK
		14485	20.6	27.98	48.58	54	-5.42	AVG
		15325	29.75	26.53	56.28	74	-17.72	PK
		15325	20.92	26.53	47.45	54	-6.55	AVG
	*	17080	34.4	5.39	39.79	74	-34.21	PK
	*	19520	34.34	3.99	38.33	74	-35.67	PK
	*	21960	31.99	6.25	38.24	74	-35.76	PK
Vertical	*	24400	32.35	11.93	44.28	74	-29.72	PK
	*	4880	35.33	4.46	39.79	74	-34.21	PK
	*	7320	34.08	12.19	46.27	74	-27.73	PK
		14470	28.84	27.97	56.81	74	-17.19	PK
		14470	20.57	27.97	48.54	54	-5.46	AVG
		15805	31.57	25.26	56.83	74	-17.17	PK
		15805	22.74	25.26	48	54	-6	AVG
	*	17080	34.14	5.39	39.53	74	-34.47	PK
	*	19520	34.97	3.99	38.96	74	-35.04	PK
	*	21960	32.54	6.25	38.79	74	-35.21	PK
	*	24400	32.77	11.93	44.7	74	-29.3	PK



Mode	BT-LE-2Mbps - Emission	Channel	39
------	------------------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4960	35.52	4.59	40.11	74	-33.89	PK
	*	7440	32.98	12.58	45.56	74	-28.44	PK
		14500	30.44	28	58.44	74	-15.56	PK
		14500	22.17	28	50.17	54	-3.83	AVG
		15340	28.85	26.45	55.3	74	-18.7	PK
		15340	20.02	26.45	46.47	54	-7.53	AVG
	*	17360	33.65	4.89	38.54	74	-35.46	PK
	*	19840	34.91	4.06	38.97	74	-35.03	PK
	*	22320	33.13	6.93	40.06	74	-33.94	PK
Vertical	*	24800	32.55	12.44	44.99	74	-29.01	PK
	*	4960	35.93	4.59	40.52	74	-33.48	PK
	*	7440	33.01	12.58	45.59	74	-28.41	PK
		14500	28.47	28	56.47	74	-17.53	PK
		14500	20.2	28	48.2	54	-5.8	AVG
		15775	29.92	25.3	55.22	74	-18.78	PK
		15775	21.09	25.3	46.39	54	-7.61	AVG
	*	17360	32.97	4.89	37.86	74	-36.14	PK
	*	19840	34.62	4.06	38.68	74	-35.32	PK
	*	22320	33.03	6.93	39.96	74	-34.04	PK
	*	24800	31.86	12.44	44.3	74	-29.7	PK



Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

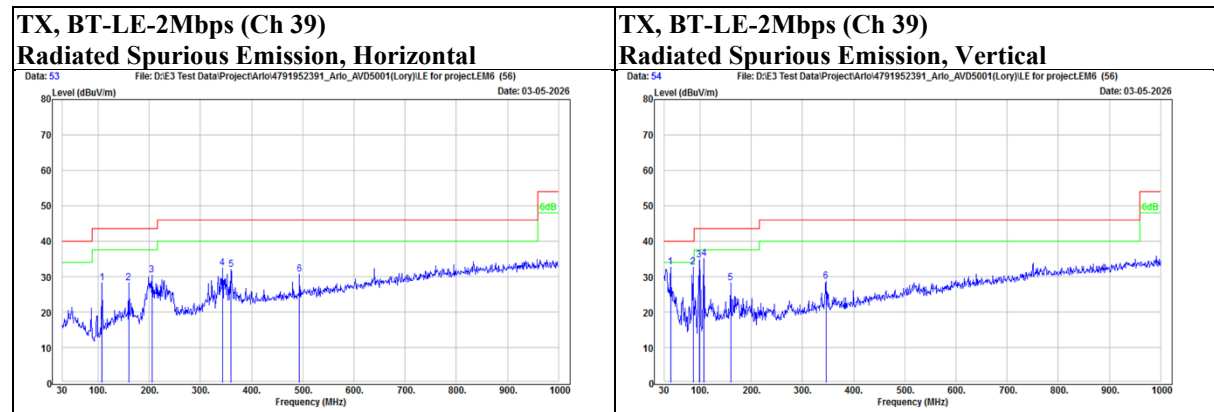
Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Below 1 GHz

Mode	BT-LE-2Mbps	Channel	39
------	-------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		107.6	43.34	-15.09	28.25	43.5	-15.25	PK
		159.98	39.68	-11.38	28.3	43.5	-15.2	PK
		205.57	44.84	-14.41	30.43	43.5	-13.07	PK
		343.31	41.41	-9	32.41	46	-13.59	PK
		359.8	40.64	-8.73	31.91	46	-14.09	PK
		493.66	35.68	-4.94	30.74	46	-15.26	PK
Vertical		42.61	44.79	-12.2	32.59	40	-7.41	PK
		86.26	50.47	-17.79	32.68	40	-7.32	PK
		97.9	51.43	-16.85	34.58	43.5	-8.92	PK
		107.6	50.09	-15.09	35	43.5	-8.5	PK
		159.98	39.69	-11.38	28.31	43.5	-15.19	PK
		346.22	37.69	-9.02	28.67	46	-17.33	PK



Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

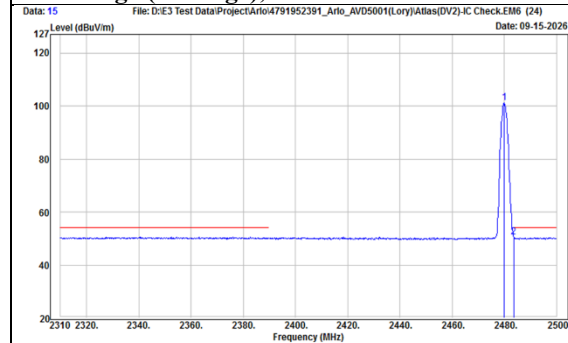
AVD6002

Above 1 GHz

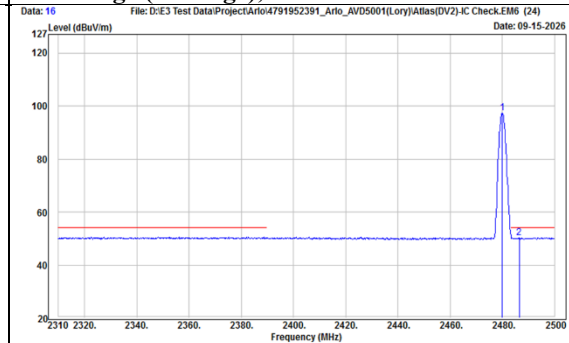
Mode	BT-LE-2Mbps	Channel	39
------	-------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	2480	81.86	20.64	102.5	N/A	N/A	PK
	@	2480	80.64	20.64	101.28	N/A	N/A	AVG
		2483.66	29.93	20.65	50.58	54	-3.42	AVG
		2497.53	40.35	20.68	61.03	74	-12.97	PK
Vertical	@	2480	77.99	20.64	98.63	N/A	N/A	PK
	@	2480	76.63	20.64	97.27	N/A	N/A	AVG
		2486.51	29.61	20.66	50.27	54	-3.73	AVG
		2492.21	40.29	20.67	60.96	74	-13.04	PK

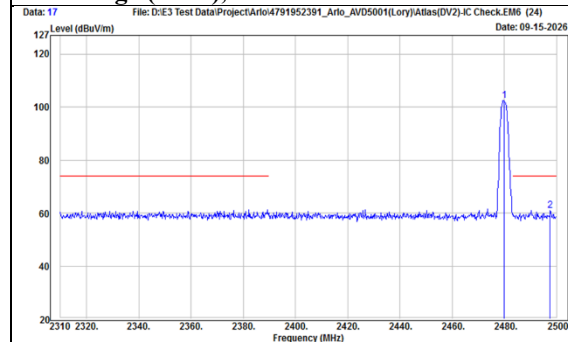
TX, BT-LE-2Mbps (Ch 39)
Band Edge (Average), Horizontal



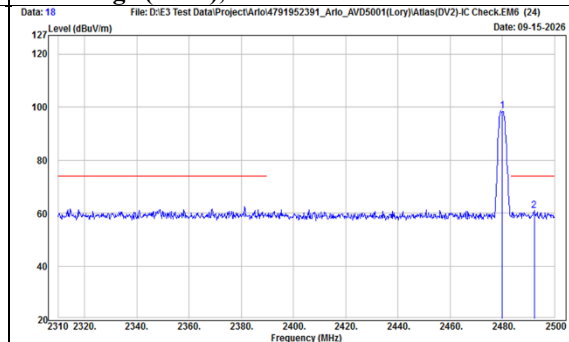
TX, BT-LE-2Mbps (Ch 39)
Band Edge (Average), Vertical



TX, BT-LE-2Mbps (Ch 39)
Band Edge (Peak), Horizontal



TX, BT-LE-2Mbps (Ch 39)
Band Edge (Peak), Vertical



Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

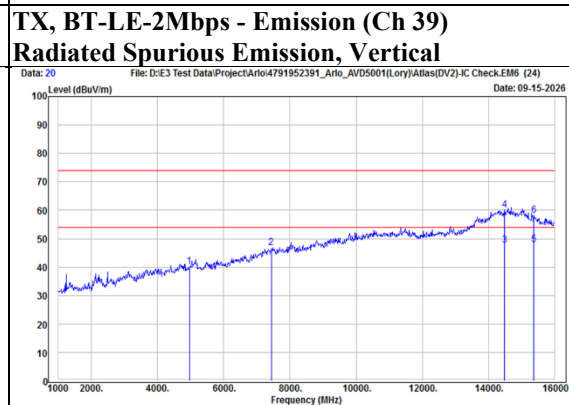
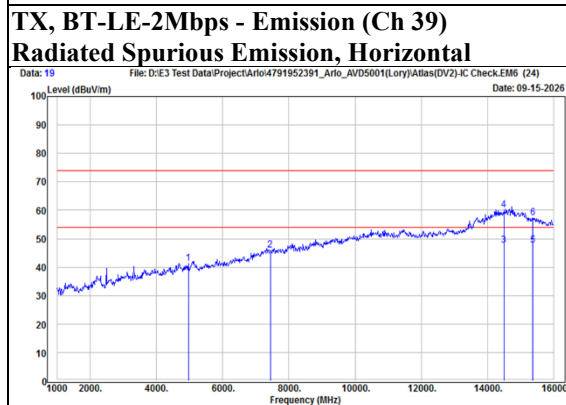
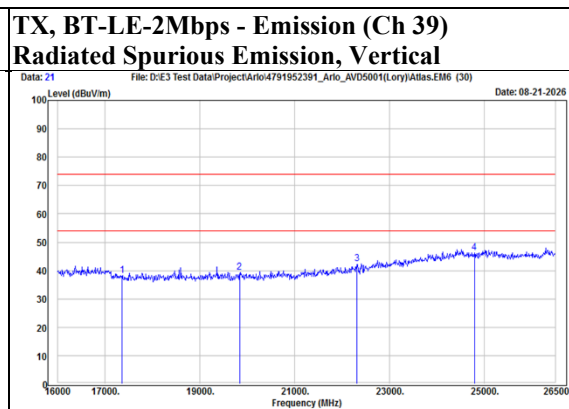
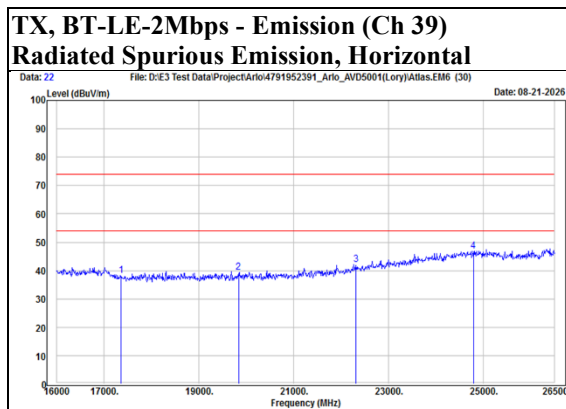
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Mode	BT-LE-2Mbps - Emission	Channel	39
------	------------------------	---------	----

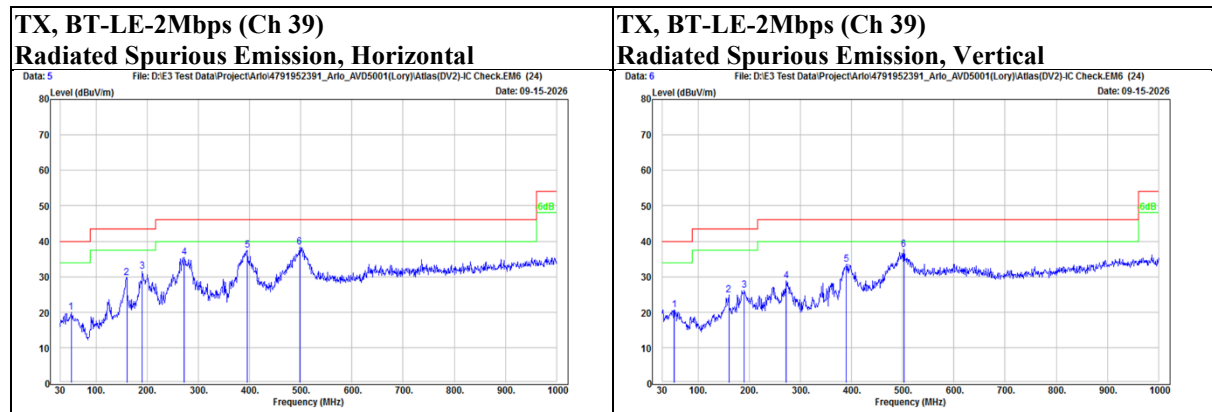
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4960	36.61	4.59	41.2	74	-32.8	PK
	*	7440	33.44	12.58	46.02	74	-27.98	PK
		14500	32.14	28	60.14	74	-13.86	PK
		14500	19.69	28	47.69	54	-6.31	AVG
		15370	31.06	26.29	57.35	74	-16.65	PK
		15370	21.32	26.29	47.61	54	-6.39	AVG
	*	17360	33.54	4.82	38.36	74	-35.64	PK
	*	19840	35.39	3.92	39.31	74	-34.69	PK
	*	22320	35.22	6.78	42	74	-32	PK
Vertical	*	24800	34.67	12.27	46.94	74	-27.06	PK
	*	4960	35.71	4.59	40.3	74	-33.7	PK
	*	7440	34.24	12.58	46.82	74	-27.18	PK
		14485	32.17	27.98	60.15	74	-13.85	PK
		14485	19.72	27.98	47.7	54	-6.3	AVG
		15370	31.78	26.29	58.07	74	-15.93	PK
		15370	21.57	26.29	47.86	54	-6.14	AVG
	*	17360	33.53	4.82	38.35	74	-35.65	PK
	*	19840	35.42	3.92	39.34	74	-34.66	PK
	*	22320	35.58	6.78	42.36	74	-31.64	PK
	*	24800	34.1	12.27	46.37	74	-27.63	PK



Below 1 GHz

Mode	BT-LE-2Mbps	Channel	39
------	-------------	---------	----

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		51.34	30.56	-10.7	19.86	40	-20.14	PK
		159.98	40.36	-10.61	29.75	43.5	-13.75	PK
		190.05	44.32	-12.88	31.44	43.5	-12.06	PK
		272.5	45.83	-10.41	35.42	46	-10.58	PK
		395.69	44	-6.52	37.48	46	-8.52	PK
		497.54	42.56	-4.16	38.4	46	-7.6	PK
Vertical		53.28	31.44	-10.82	20.62	40	-19.38	PK
		159.98	35.4	-10.61	24.79	43.5	-18.71	PK
		190.05	38.98	-12.88	26.1	43.5	-17.4	PK
		272.5	39.22	-10.41	28.81	46	-17.19	PK
		389.87	40.19	-6.68	33.51	46	-12.49	PK
		502.39	41.69	-4.01	37.68	46	-8.32	PK



Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

9 kHz ~ 30 MHz Data:

For 9 kHz to 30 MHz radiated emission have performed all modes of operation were investigated. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

No non-compliance noted:

KDB 414788 D01 OATS and Chamber Correlation Justification

- Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

- OATs and chamber correlation testing had been performed and chamber measured test results is the worst case test result.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

9.6. AC Power Line Conducted Emission

Requirements

Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.
2. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels were low against the limit.
3. Test data of Result value (dB μ V) = Reading value (dB μ V) + Correction Factor (dB).
4. Test data of Margin(dB) = Result value (dB μ V) - Limit value (dB μ V).
5. Test data of Correction Factor (dB) = Insertion loss(dB) + Cable loss(dB).

Underwriters Laboratories Taiwan Co., Ltd.

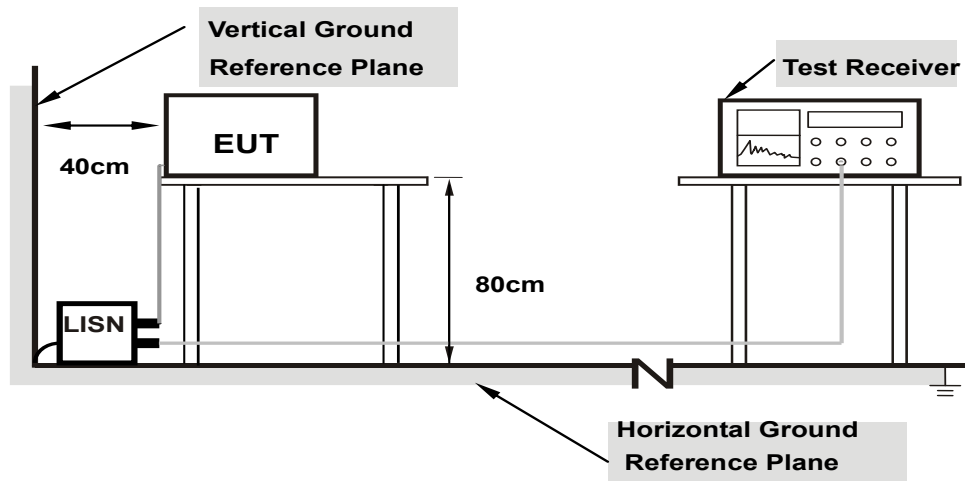
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Test Setup



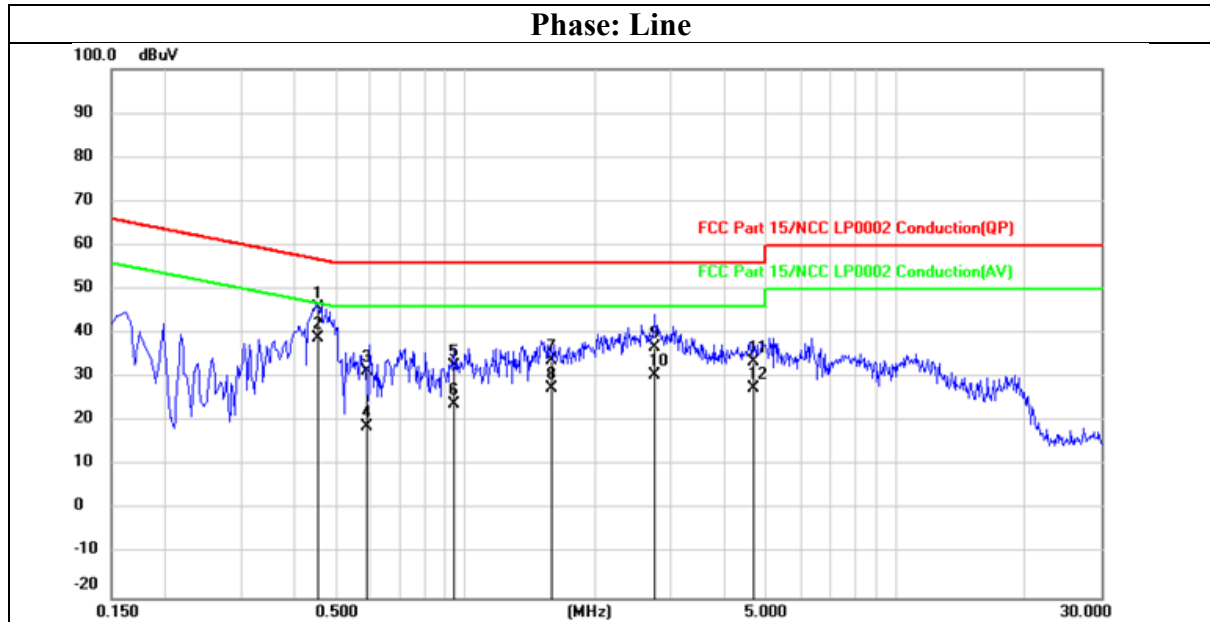
Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the Setup Configurations.

Test Data

AVD6001, AVD5001

Mode	LE2M_TX2480	Channel	39
------	-------------	---------	----



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4542	35.92	9.97	45.89	56.80	-10.91	QP
2	0.4542	28.96	9.97	38.93	46.80	-7.87	AVG
3	0.5907	21.47	9.98	31.45	56.00	-24.55	QP
4	0.5907	8.81	9.98	18.79	46.00	-27.21	AVG
5	0.9413	22.77	10.02	32.79	56.00	-23.21	QP
6	0.9413	13.91	10.02	23.93	46.00	-22.07	AVG
7	1.5728	23.85	10.06	33.91	56.00	-22.09	QP
8	1.5728	17.35	10.06	27.41	46.00	-18.59	AVG
9	2.7500	26.80	10.12	36.92	56.00	-19.08	QP
10	2.7500	20.29	10.12	30.41	46.00	-15.59	AVG
11	4.6503	23.41	10.18	33.59	56.00	-22.41	QP
12	4.6503	17.32	10.18	27.50	46.00	-18.50	AVG

Underwriters Laboratories Taiwan Co., Ltd.

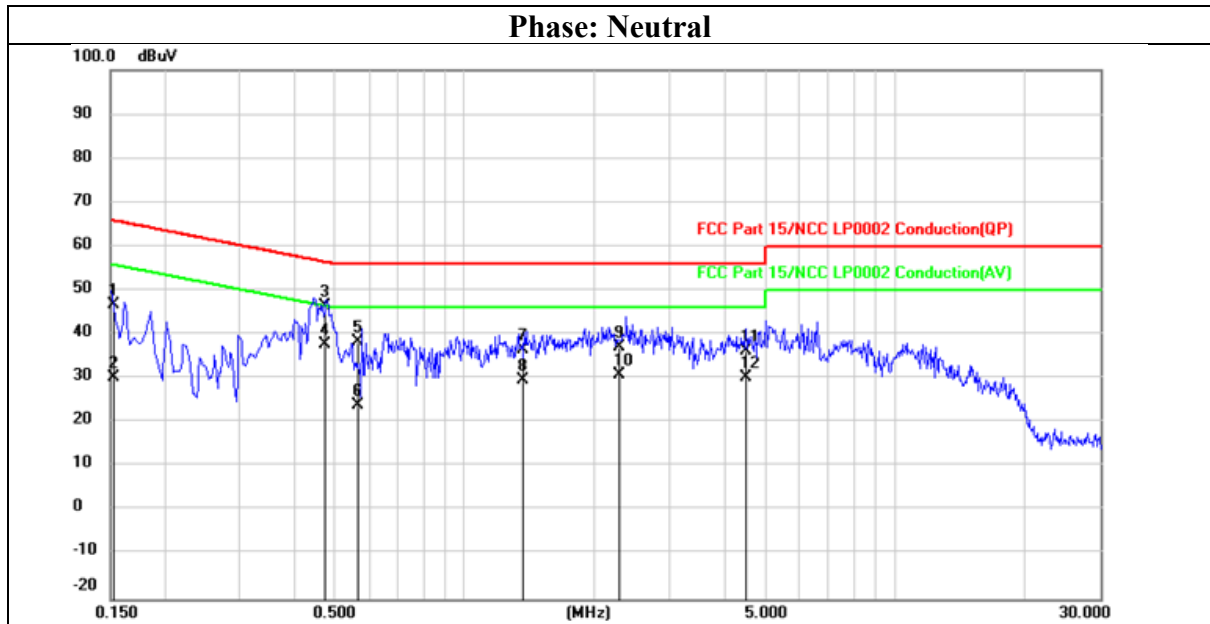
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Mode	LE2M_TX2480	Channel	39
------	-------------	---------	----



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1531	36.67	9.94	46.61	65.83	-19.22	QP
2	0.1531	20.41	9.94	30.35	55.83	-25.48	AVG
3	0.4735	36.43	9.94	46.37	56.45	-10.08	QP
4	0.4735	27.80	9.94	37.74	46.45	-8.71	AVG
5	0.5639	28.55	9.94	38.49	56.00	-17.51	QP
6	0.5639	13.88	9.94	23.82	46.00	-22.18	AVG
7	1.3588	26.47	9.98	36.45	56.00	-19.55	QP
8	1.3588	19.65	9.98	29.63	46.00	-16.37	AVG
9	2.2857	27.16	10.01	37.17	56.00	-18.83	QP
10	2.2857	20.82	10.01	30.83	46.00	-15.17	AVG
11	4.4794	26.18	10.06	36.24	56.00	-19.76	QP
12	4.4794	20.29	10.06	30.35	46.00	-15.65	AVG

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

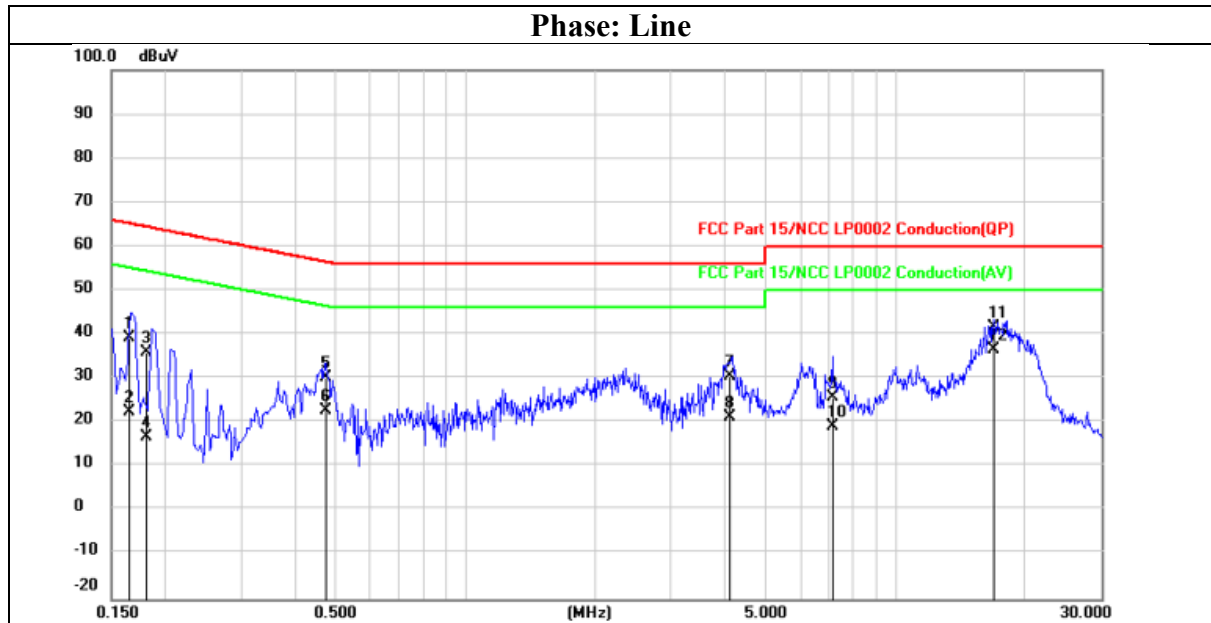
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

AVD6002

Mode	LE2M_TX2480	Channel	39
------	-------------	---------	----



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1645	29.20	9.95	39.15	65.23	-26.08	QP
2	0.1645	12.41	9.95	22.36	55.23	-32.87	AVG
3	0.1813	25.99	9.95	35.94	64.43	-28.49	QP
4	0.1813	6.93	9.95	16.88	54.43	-37.55	AVG
5	0.4725	20.39	9.97	30.36	56.47	-26.11	QP
6	0.4725	12.91	9.97	22.88	46.47	-23.59	AVG
7	4.0854	20.51	10.12	30.63	56.00	-25.37	QP
8	4.0854	11.25	10.12	21.37	46.00	-24.63	AVG
9	7.1655	15.66	10.20	25.86	60.00	-34.14	QP
10	7.1655	8.83	10.20	19.03	50.00	-30.97	AVG
11	16.8639	31.35	10.45	41.80	60.00	-18.20	QP
12	16.8639	26.12	10.45	36.57	50.00	-13.43	AVG

Underwriters Laboratories Taiwan Co., Ltd.

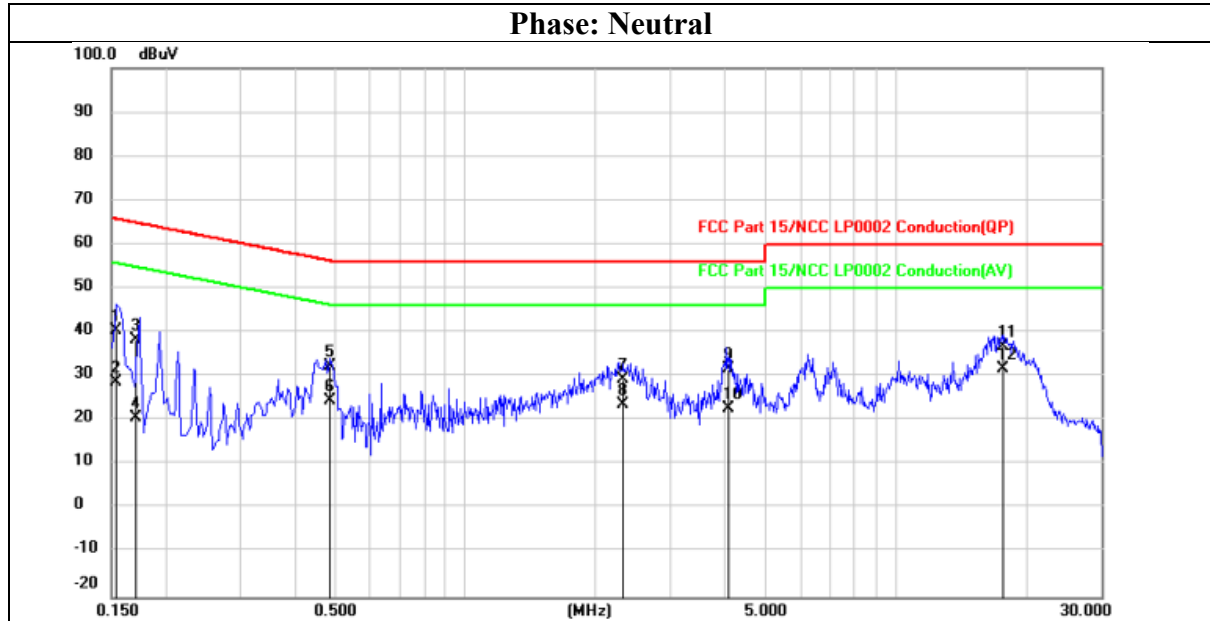
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Mode	LE2M TX2480	Channel	39
------	-------------	---------	----



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1526	30.41	9.99	40.40	65.86	-25.46	QP
2	0.1526	18.72	9.99	28.71	55.86	-27.15	AVG
3	0.1707	28.37	9.98	38.35	64.93	-26.58	QP
4	0.1707	10.56	9.98	20.54	54.93	-34.39	AVG
5	0.4812	22.48	9.98	32.46	56.32	-23.86	QP
6	0.4812	14.56	9.98	24.54	46.32	-21.78	AVG
7	2.3334	19.19	10.07	29.26	56.00	-26.74	QP
8	2.3334	13.54	10.07	23.61	46.00	-22.39	AVG
9	4.0742	21.71	10.11	31.82	56.00	-24.18	QP
10	4.0742	12.64	10.11	22.75	46.00	-23.25	AVG
11	17.8110	26.41	10.47	36.88	60.00	-23.12	QP
12	17.8110	21.26	10.47	31.73	50.00	-18.27	AVG

END OF REPORT

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0