

Applicant: JOY MORE TRADE LIMITED

Product: STV player

Model No.: STV S2 PRO, STV S3 PRO, STV S3 Ultra

Trademark:



Test Standards: FCC Part 15.247

Test Result: It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10, FCC Part 15.247 for

the evaluation of electromagnetic compatibility

Approved By

Terry Tang

Manager

withdrawal at

Dated: December 12, 2024

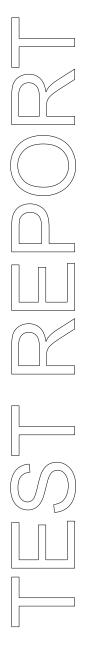
Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to

# SHENZHEN TIMEWAY TESTING LABORATORIES

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# **Special Statement:**

## FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

# Industry Canada (IC) — Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

## **A2LA (Certification Number:5013.01)**

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

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# **Test Report Conclusion**

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#### 1.0 General Details

#### 1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

#### 1.2 Applicant Details

Applicant: JOY MORE TRADE LIMITED

Address: ROOM 602, 6/F, KAI YUE COMMERCIAL BUILDING, NO.2C, ARGYLE STREET,

MONGKOK KOWLOON, HONG KONG

### 1.3 Description of EUT

Product: STV player

Manufacturer: JOY MORE TRADE LIMITED

Address: ROOM 602, 6/F, KAI YUE COMMERCIAL BUILDING, NO.2C, ARGYLE

STREET, MONGKOK KOWLOON, HONG KONG

Trademark:

**S** 

Additional Trademark: N/A

Model Number: STV S2 PRO

Additional Model Number: STV S3 PRO, STV S3 Ultra

Hardware Version: V2.0 Software Version: V2.0 Serial No.: E076D0C33CC3

Type of Modulation GFSK (Bluetooth BLE)

Frequency range 2402-2480MHz Frequency Selection By software

Channel Number 40

Rating: Input: DC5.0V, 2A

Power Supply: Model: OL010-0502000U

Input: 100-240V~, 50/60Hz, 0.45A; Output: DC5V, 2A

1.4 Submitted Sample: 2 Samples

# 1.5 Test Duration

The report refers only to the sample tested and does not apply to the bulk.

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2024-12-02 to 2024-12-12

#### 1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty = 5%

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

Date: 2024-12-12



2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

#### 2.2 Automation Test Software

#### For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

## For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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adopt any other remedies which may be appropriate.

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#### 3.0 Technical Details

## 3.1 Summary of test results

Standard	Test Type	Result	Notes
CC Part 15, Paragraph 15.207	<b>Conducted Emission Test</b>	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth>500kHz	Pass	Complies
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	Pass	Complies
CC Part 15, Paragraph 15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	Pass	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	Pass	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit:	Pass	Complies

## 3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

#### 4.0 EUT Modification

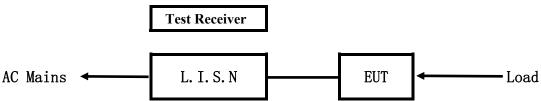
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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#### 5.0 Power Line Conducted Emission Test

#### 5.1 Schematics of the test

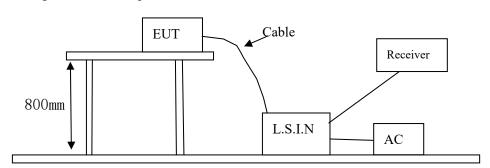


**EUT: Equipment Under Test** 

#### 5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10 –2013.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



#### 5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

## A. EUT

Device	Manufacturer	Model	FCC ID
CTV player	JOY MORE TRADE	STV S2 PRO, STV S3 PRO, STV S3	2BMHL2PRO
STV player	LIMITED	Ultra	2DMHL2PKO

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#### B. Internal Device

Device	Manufacturer	Model	Rating

## C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

## 5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB μ V)				
(MHz)	Quasi-peak Level	Average Level			
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*			
$0.50 \sim 5.00$	56.0	46.0			
5.00 ~ 30.00	60.0	50.0			

Notes:

- 1. \*Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

#### 5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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## A: Conducted Emission on Live Terminal (150kHz to 30MHz)

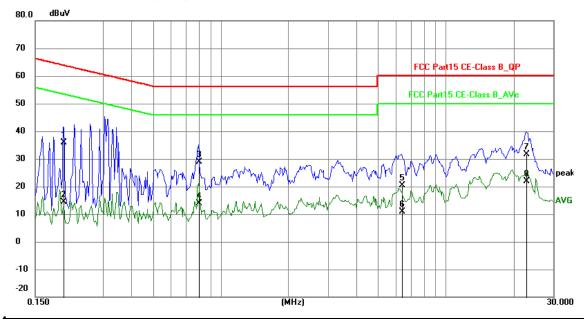
## **EUT Operating Environment**

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

**EUT set Condition: Keep Bluetooth Transmitting** 

**Results: Pass** 

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2007	25.55	10.32	35.87	63.58	-27.71	QP	Р
2	0.2007	3.95	10.32	14.27	53.58	-39.31	AVG	Р
3	0.7974	18.51	10.47	28.98	56.00	-27.02	QP	Р
4	0.7974	3.29	10.47	13.76	46.00	-32.24	AVG	Р
5	6.3618	7.67	12.67	20.34	60.00	-39.66	QP	Р
6	6.3618	-1.72	12.67	10.95	50.00	-39.05	AVG	Р
7	22.6872	15.67	15.85	31.52	60.00	-28.48	QP	Р
8	22.6872	6.06	15.85	21.91	50.00	-28.09	AVG	Р

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## B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

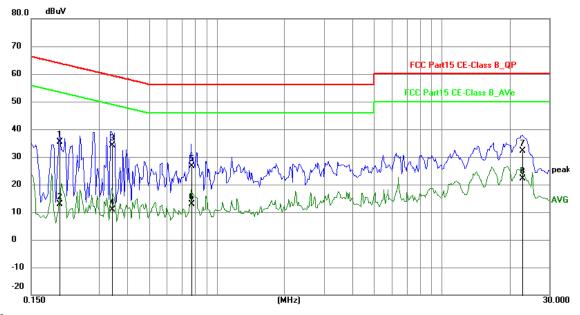
## **EUT Operating Environment**

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Bluetooth Transmitting** 

**Results: Pass** 

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2007	25.00	10.32	35.32	63.58	-28.26	QP	Р
2	0.2007	2.62	10.32	12.94	53.58	-40.64	AVG	Р
3	0.3410	23.82	10.36	34.18	59.18	-25.00	QP	П
4	0.3410	0.47	10.36	10.83	49.18	-38.35	AVG	Р
5	0.7740	16.08	10.47	26.55	56.00	-29.45	QP	Р
6	0.7740	2.52	10.47	12.99	46.00	-33.01	AVG	П
7	22.8392	16.40	15.82	32.22	60.00	-27.78	QP	Р
8	22.8392	6.24	15.82	22.06	50.00	-27.94	AVG	Р

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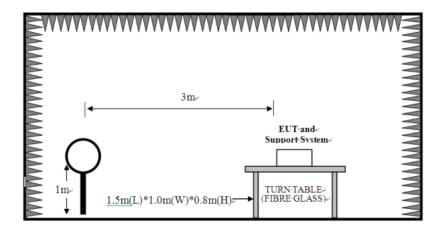


#### **6** Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

#### **Block diagram of Test setup**

For radiated emissions from 9kHz to 30MHz



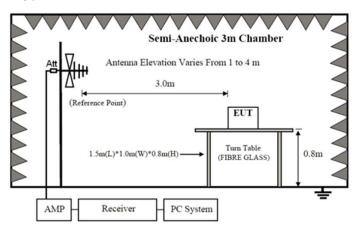
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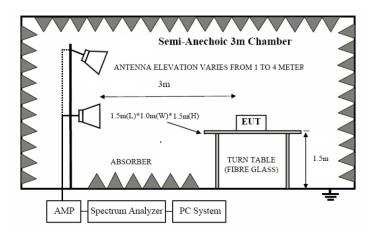
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT

  Same as section 5.3 of this report
- 6.3 EUT Operating Condition

  Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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## Frequencies in restricted band are complied to limit on Paragraph 15.209

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the higher limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

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#### Test result

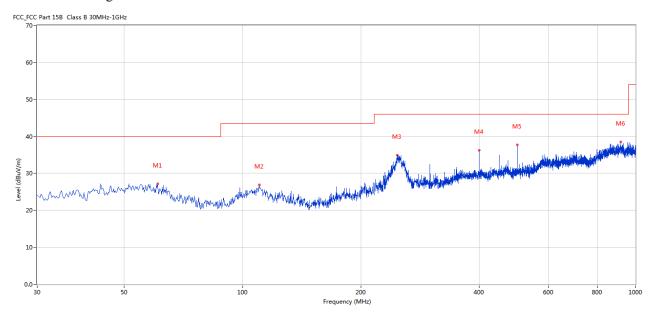
## General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

**EUT set Condition:** Keep Bluetooth Transmitting

**Results:** Pass

## Test Figure:



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	60.790	27.10	-5.50	40.0	12.90	Peak	183.00	100	Horizontal	Pass
2	110.490	26.92	-5.95	43.5	16.58	Peak	198.00	100	Horizontal	Pass
3	247.468	34.92	-5.22	46.0	11.08	Peak	76.00	100	Horizontal	Pass
4	399.963	36.29	-1.69	46.0	9.71	Peak	106.00	100	Horizontal	Pass
5	500.090	37.73	-0.94	46.0	8.27	Peak	343.00	100	Horizontal	Pass
6	917.571	38.46	5.31	46.0	7.54	Peak	20.00	100	Horizontal	Pass

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#### Test result

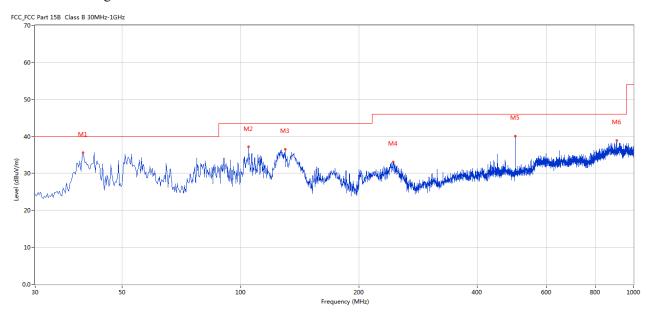
## General Radiated Emission Data and Harmonics Radiated Emission Data

### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Transmitting

**Results:** Pass

## Test Figure:



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	39.698	35.60	-7.47	40.0	4.40	Peak	203.00	100	Vertical	Pass
2	104.914	37.12	-6.23	43.5	6.38	Peak	343.00	100	Vertical	Pass
3	129.885	36.54	-8.55	43.5	6.96	Peak	317.00	100	Vertical	Pass
4	244.801	33.07	-5.48	46.0	12.93	Peak	296.00	100	Vertical	Pass
5	500.090	40.02	-0.94	46.0	5.98	Peak	34.00	100	Vertical	Pass
6	908.115	38.89	5.10	46.0	7.11	Peak	186.00	100	Vertical	Pass

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## **Operation Mode: Transmitting under Low Channel (2402MHz)**

	8	,	
Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dB \( \mu \)V/m)
4804		Н	74(Peak)/ 54(AV)
4804		V	74(Peak)/ 54(AV)
7206		H/V	74(Peak)/ 54(AV)
9608		H/V	74(Peak)/ 54(AV)
12010		H/V	74(Pe k)/ 54(AV)
14412		H/V	74(Peak)/ 54(AV)
16814		H/V	74(Peak)/ 54(AV)
19216		H/V	74(Peak)/ 54(AV)
21618		H/V	74(Peak)/ 54(AV)
24020		H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark "---" means that the emissions level is too low to be measured

## **Operation Mode: Transmitting g under Middle Channel (2440MHz)**

Frequency (MHz)	Level@3m (dB \u03b4 V/m)	Antenna Polarity	Limit@3m (dB \( \mu \)V/m)
4880	-	Н	74(Peak)/ 54(AV)
4880		V	74(Peak)/ 54(AV)
7320		H/V	74(Peak)/ 54(AV)
9760		H/V	74(Peak)/ 54(AV)
12200		H/V	74(Peak)/ 54(AV)
14640		H/V	74(Peak)/ 54(AV)
17080		H/V	74(Peak)/ 54(AV)
19520		H/V	74(Peak)/ 54(AV)
21960		H/V	74(Peak)/ 54(AV)
24400		H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark "---" means that the emissions level is too low to be measured

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## Operation Mode: Transmitting under High Channel (2480MHz)

	8 8	, ,	
Frequency (MHz)	Level@3m (dB \u03b4 V/m)	Antenna Polarity	Limit@3m (dB \( \mu \)V/m)
4960		Н	74(Peak)/ 54(AV)
4960		V	74(Peak)/ 54(AV)
7440		H/V	74(Peak)/ 54(AV)
9920		H/V	74(Peak)/ 54(AV)
12400		H/V	74(Peak)/ 54(AV)
14880		H/V	74(Peak)/ 54(AV)
17360		H/V	74(Peak)/ 54(AV)
19840		H/V	74(Peak)/ 54(AV)
22320		H/V	74(Peak)/ 54(AV)
24800		H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

<sup>2.</sup> Remark "---" means that the emissions level is too low to be measured

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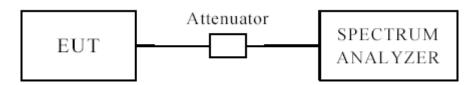
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### 7.0 6dB Bandwidth Measurement

## 7.1 Test Setup



## 7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

### 7.3 Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 2. Set the video bandwidth (VBW)  $\geq$  3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode =  $\max$  hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.4 Test Result

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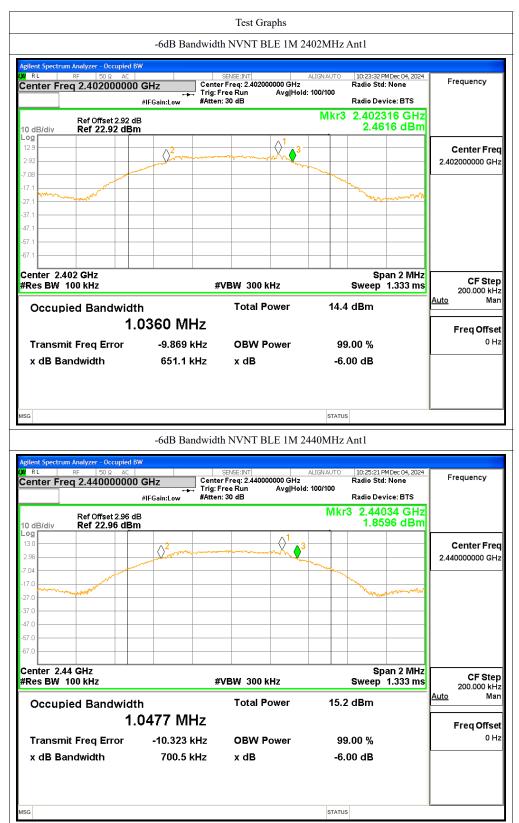
Date: 2024-12-12



Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
		2402		0.651	0.5	Pass
	BLE 1M	2440		0.7	0.5	Pass
NVNT		2480	A 4.4	0.661	0.5	Pass
INVINI	BLE 2M	2402	Ant1	1.225	0.5	Pass
		M 2440 1.238		1.238	0.5	Pass
		2480		1.302	0.5	Pass

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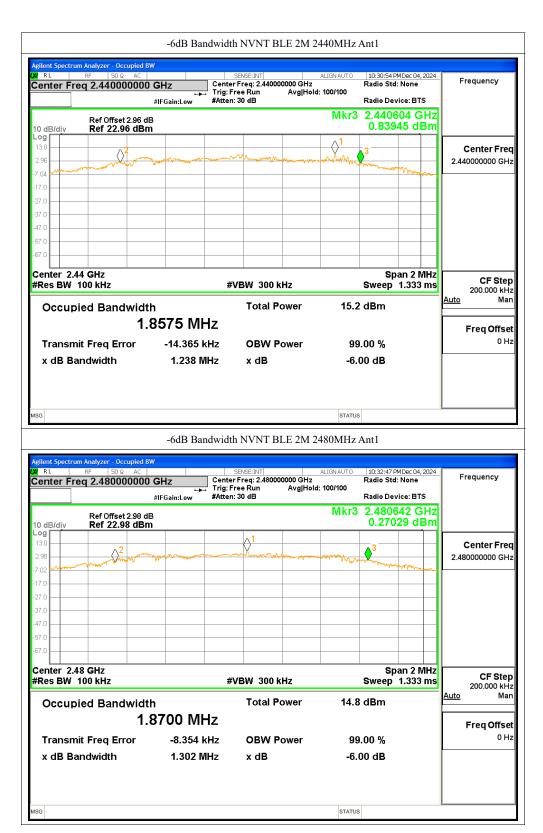


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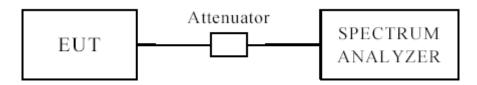
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## 8. Maximum Output Power

## 8.1 Test Setup



### 8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

#### **8.3 Test Procedure**

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the Peak power were measured.

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#### **8.4Test Results**

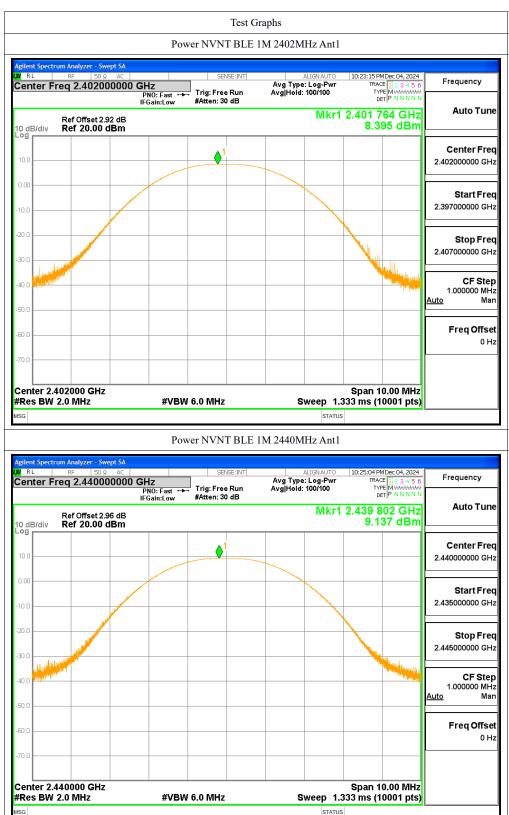
Condition	Mode	Frequency	Antenna	Conducted Power	<b>Duty Factor</b>	Total Power	Limit	Verdict
		(MHz)		(dBm)	(dB)	(dBm)	(dBm)	
	DLE	2402		8.4	0	8.4	30	Pass
	BLE 1M	2440		9.14	0	9.14	30	Pass
NIV/NIT		2480	A := 44	8.97	0	8.97	30	Pass
NVNT	DI E	2402	Ant1	8.48	0	8.48	30	Pass
	BLE 2M	2440		9.15	0	9.15	30	Pass
		2480		8.94	0	8.94	30	Pass

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

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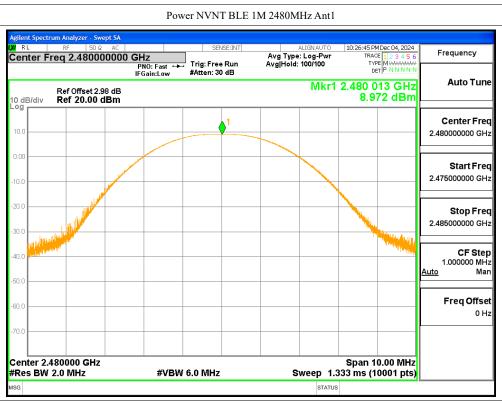


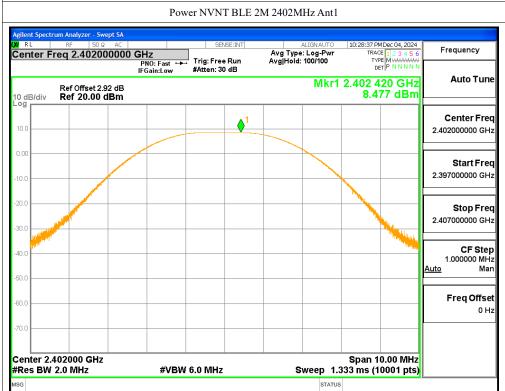
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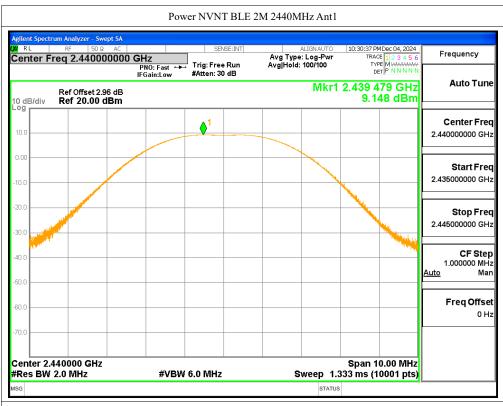


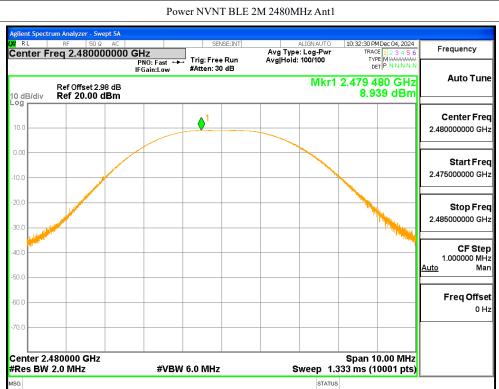
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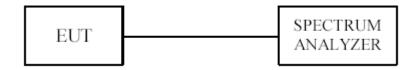
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## 9. Power Spectral Density Measurement

## 9.1 Test Setup



## 9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm/3kHz.

#### 9.3 Test Procedure

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW = 3 kHz.
- 3. Set the VBW  $\geq$  10 kHz.
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 11. The resulting peak PSD level must be  $\leq 8 \text{ dBm/3kHz}$ .

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## 9.4Test Result

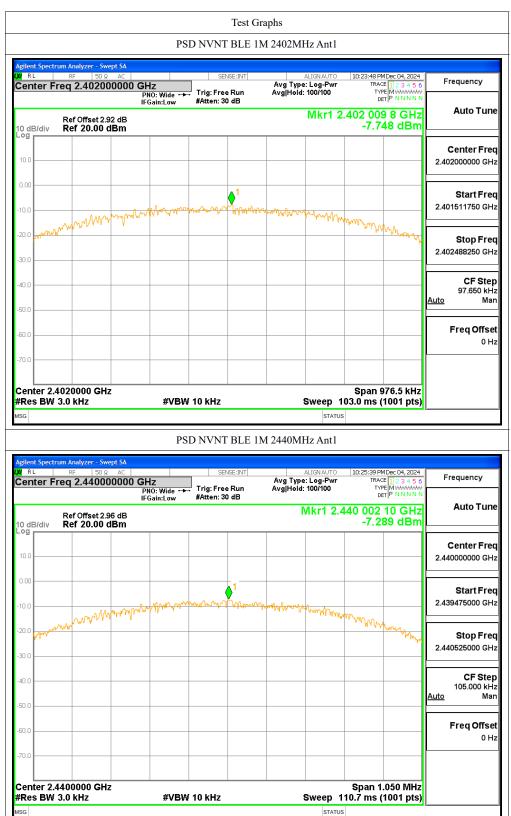
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
		( 12)		(uziii)	(dB)	(aziiiioiaiz)	(azimoniiz)	
	BLE	2402		-7.75	0	-7.75	8	Pass
	1M	2440		-7.29	0	-7.29	8	Pass
ND ALT		2480		-7.03	0	-7.03	8	Pass
NVNT	DI E	2402	Ant1	-10.76	0	-10.76	8	Pass
	BLE	2440		-10.18	0	-10.18	8	Pass
	2M	2480		-10.35	0	-10.35	8	Pass

Note: The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss

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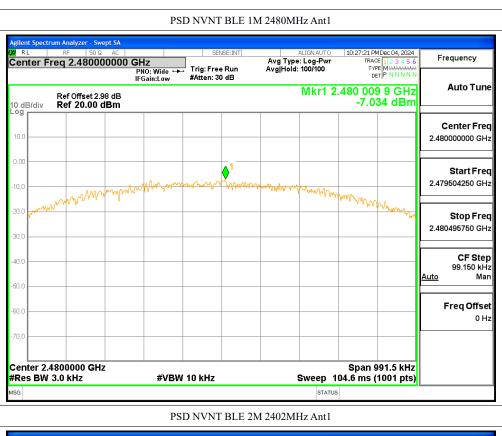


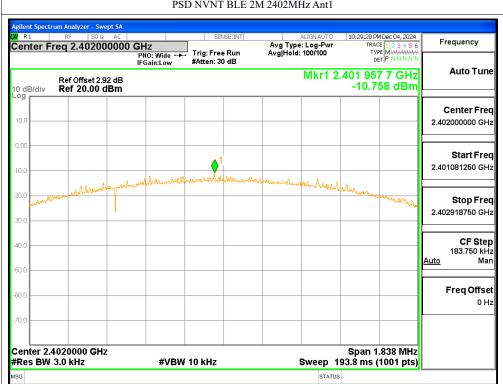
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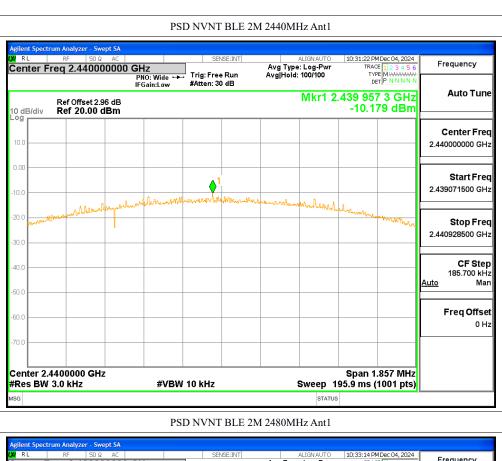


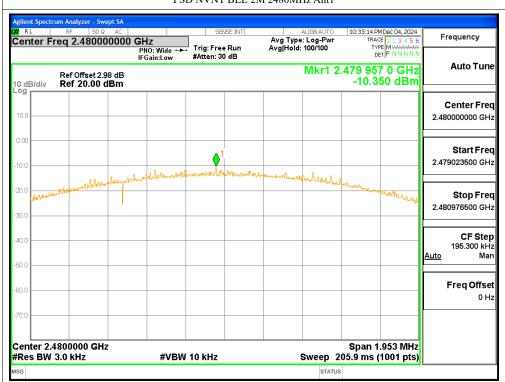
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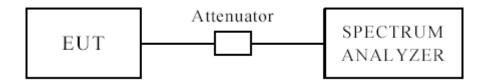
Report No.: TW2412082-02E

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## 10 Out of Band Measurement

## 10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

#### 10.2 Limits of Out of Band Emissions Measurement

- 1. Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

#### 10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of Radiated emission test. (Peak values with RBW=1MHz, VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector)

For bandage test, the spectrum set as follows: RBW=100 kHz, VBW=300 kHz. A conducted measurement used

#### **10.4 Test Result**

Please see next pages

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

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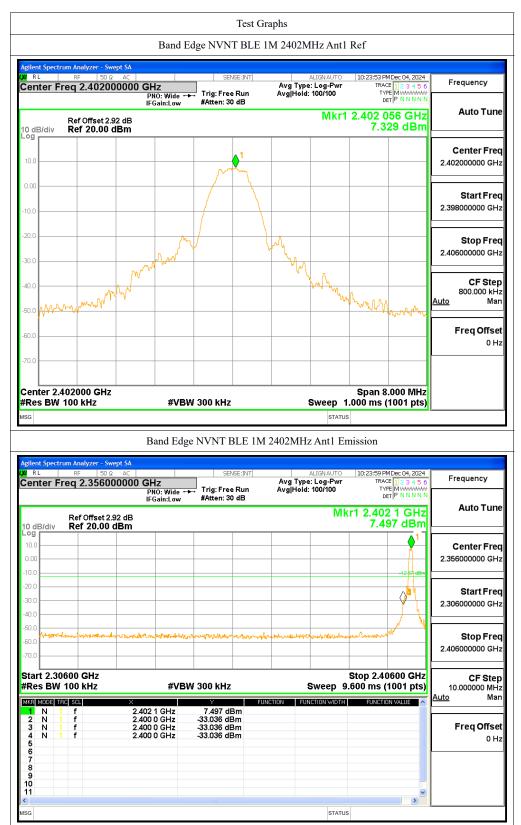
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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
	BLE 1M	2402		-40.36	-20	Pass
NIVANT	DLE IIVI	2480	A m+1	-52.78	-20	Pass
NVNT	BLE 2M	2402	Ant1	-31.59	-20	Pass
		2480		-50.13	-20	Pass

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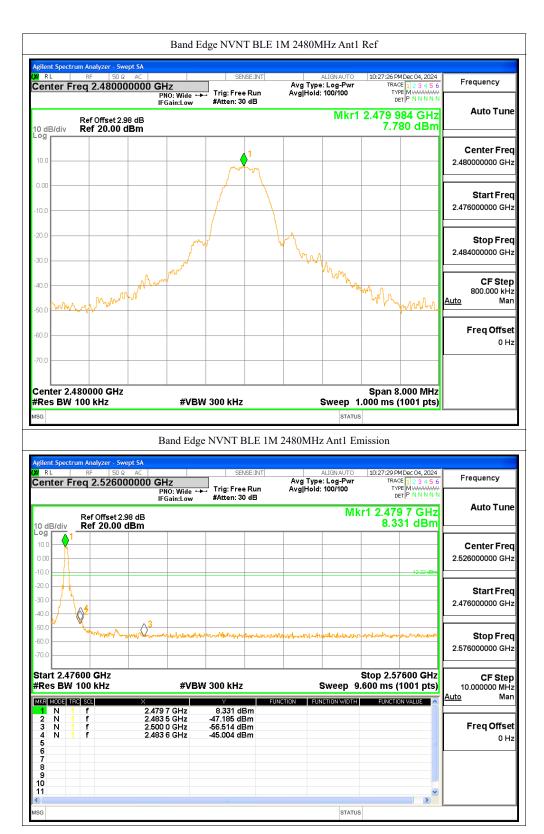


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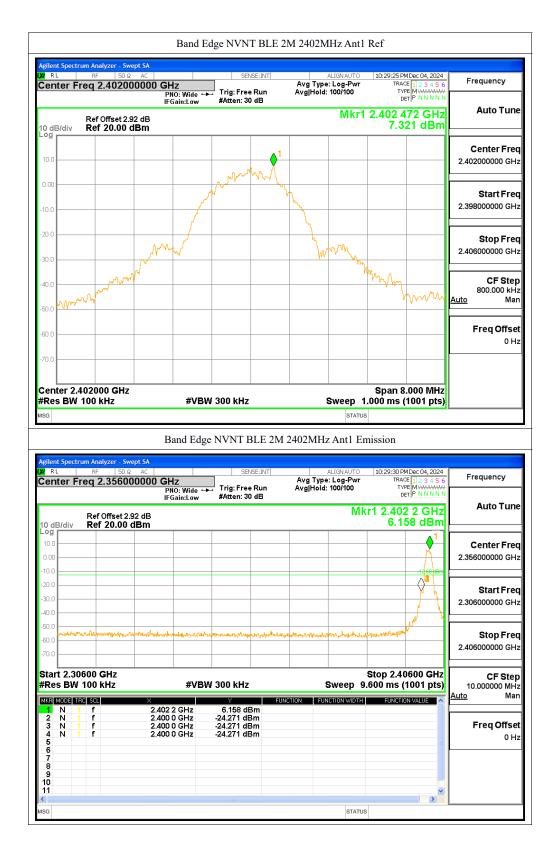


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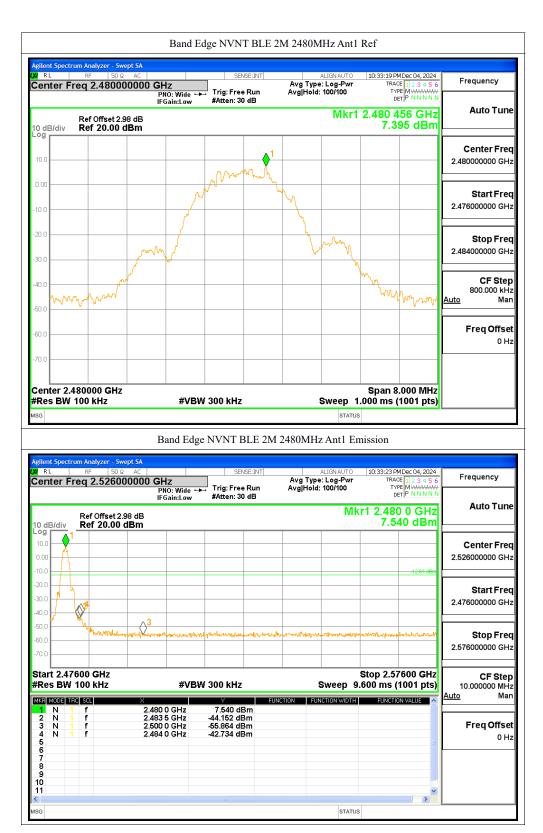


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#### Restricted band Measurement

EUT		STV player			STV S2 PRO					
Mode	Kee	eping Transmitting		Test Voltage	120V~					
Temperature		24 deg. C,	Humidity	56% RH						
Test Result:		Pass	Detector	PK						
BLE-1M, Low Channel, Horizontal										
2390	PK (dBμV/m)	PK (dBμV/m) 41.14		T ' ',	$74(dB\mu V/m)$					
	AV (dBμV/m)			Limit	54(dBμV/m)					
	BLE-1M, Low Channel Vertical									
2390	PK (dBμV/m)	39.95		T ::t	74(dBμV/m)					
	AV (dBμV/m)		Limit		$54(dB\mu V/m)$					

#### Restricted band Measurement

EUT		STV player		N	Iodel	STV S2 PRO			
Mode	K	eeping Transmitting		Test	Voltage	120V~			
Temperature		24 deg. C,				56% RH			
Test Result:		Pass				PK			
BLE-1M, High Channel, Horizontal									
2483.5	PK (dBμV/m)	50.66	т::	:4	$74(dB\mu V/m)$				
	AV $(dB\mu V/m)$		Limi	Ιt	54(dBμV/m)				
	BLE-1M, High Channel, Vertical								
2483.5	PK (dBμV/m)	47.50	T,		74(dBμV/m)				
	AV $(dB\mu V/m)$		Limit		$54(dB\mu V/m)$				

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#### Restricted band Measurement

EUT		STV player				STV S2 PRO			
Mode	Ke	eping Transmitting		Test Voltage		120V~			
Temperature		Humidity		56% RH					
Test Result:	Pass			De	tector	PK			
BLE-2M, Low Channel, Horizontal									
2390	PK (dBμV/m)	41.74	т:.		,	74(dBμV/m)			
	AV (dBμV/m)		Liı	nit	54(dBμV/m)				
BLE-2M, Low Channel Vertical									
2390	PK (dBμV/m)	40.23	т:.	•,		74(dBμV/m)			
	AV (dBμV/m)		Limit			54(dBμV/m)			

## Restricted band Measurement

Restricted	cana measareme					
EUT	STV player			Model		STV S2 PRO
Mode	Keeping Transmitting			Test Voltage		120V~
Temperature	24 deg. C,			Humidity		56% RH
Test Result:	Pass			Detector		PK
BLE-2M, High Channel, Horizontal						
2483.5	PK (dBμV/m)	50.52	т.	٠,		74(dBμV/m)
	AV ( $dB\mu V/m$ )		Lim	1τ	54(dBμV/m)	
BLE-2M, High Channel, Vertical						
2483.5	PK (dBμV/m)	46.69	T :	:4	74(dBµV/m)	
	AV (dBμV/m)		Lim			54(dBμV/m)

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## 11.0 Antenna Requirement

### 11.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

#### 11.2 Antenna Connected construction

FPC antenna used. The gain of the antennas is 2.45dBi (Get from the antenna specification provided the manufacturer)

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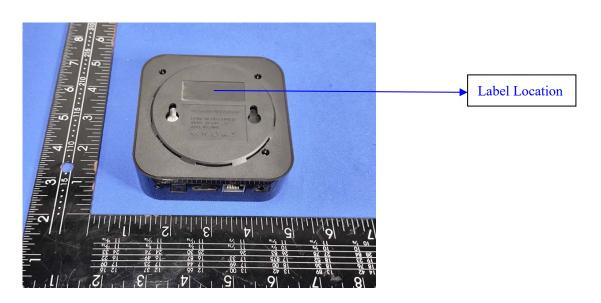


#### 12.0 FCC ID Label

## FCC ID: 2BMHL2PRO

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

#### **Mark Location:**



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## 13.0 Photo of testing

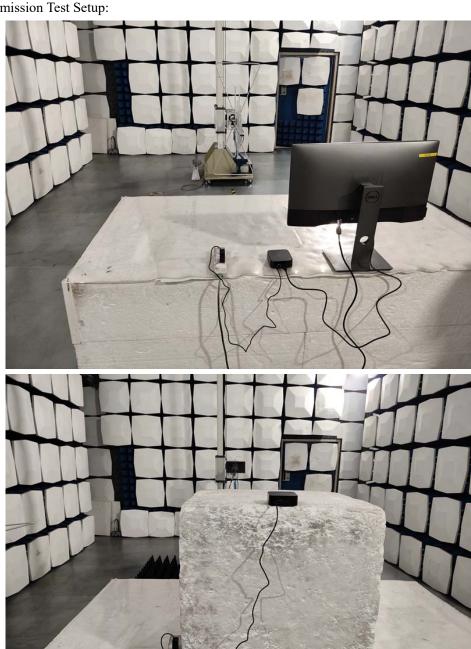
Conducted Emission Test Setup:



Date: 2024-12-12



### Radiated Emission Test Setup:



Photographs - EUT

Please refer test report TW2412082-01E

# **End of the report**

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