

TEST REPORT

Product Name	: Machine entertainment system
Brand Mark	: N/A
Model No.	: ZH-DT6125-01
Extension model	: SK8734012,SK8734010,SK8734011, SV5734015,SV5734016,SV5734017, MILA734002,MILA734001,MILA734003, SK83B2,MILA734006
Report Number	: BLA-EMC-202303-A11904
FCC ID	: 2BACQMAXUS6125
Date of Sample Receipt	: 2023/3/28
Date of Test	: 2023/3/28 to 2023/4/28
Date of Issue	: 2023/4/28
Test Standard	: 47 CFR Part 15, Subpart C 15.247
Test Result	: Pass

Prepared for:

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Prepared by:

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Approved by: *Blue Zheng*

Review by:

Sueelle



Date: 2023/4/28



REPORT REVISE RECORD

Version No.	Date	Description
00	2023/4/28	Original

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7 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
DC source	N/A	N/A	N/A	N/A
PC	HASEE	K610D	N/A	N/A

8 LABORATORY LOCATION

All tests were performed at:

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China

Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

No tests were sub-contracted.

Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A

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10 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

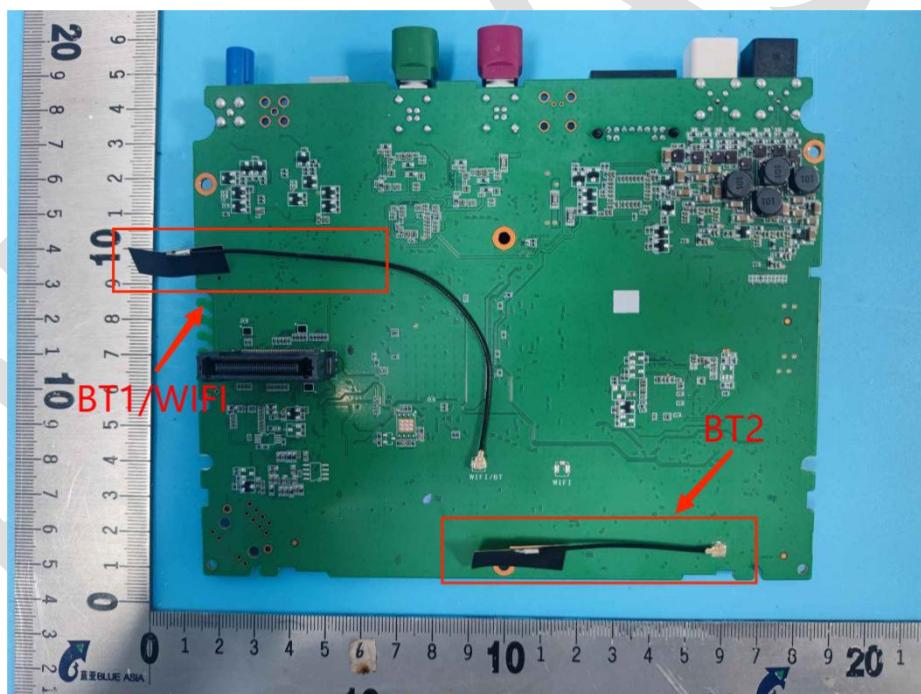
10.1 CONCLUSION

Standard Requirement:

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. The use of a ~~an~~ antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The best case gain of the antenna is 5dBi.



11 RADIATED SPURIOUS EMISSIONS

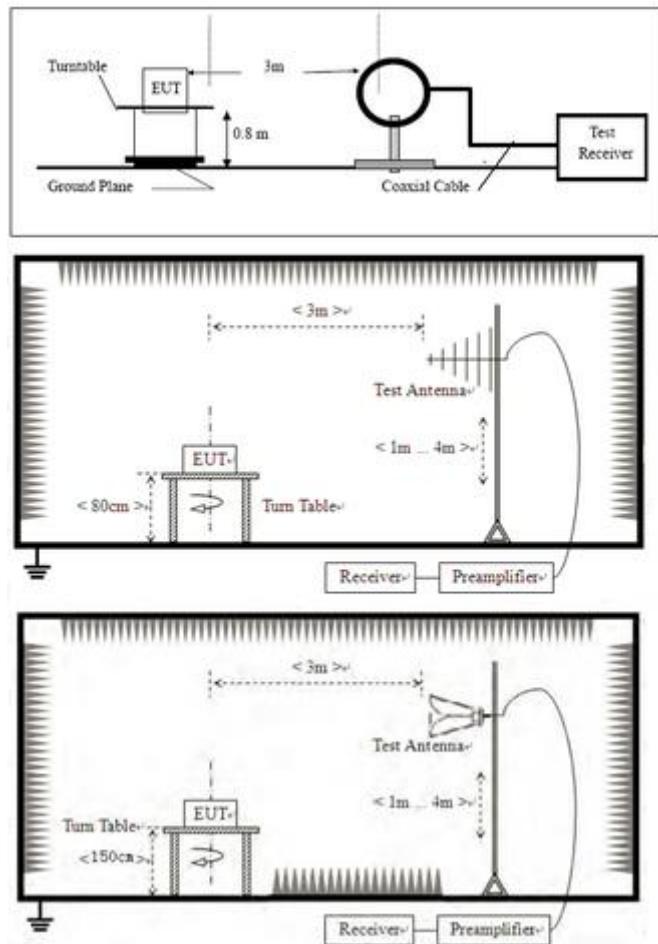
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.4,6.5,6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25 °C
Humidity	60%

11.1 LIMITS

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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

11.2 BLOCK DIAGRAM OF TEST SETUP



11.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

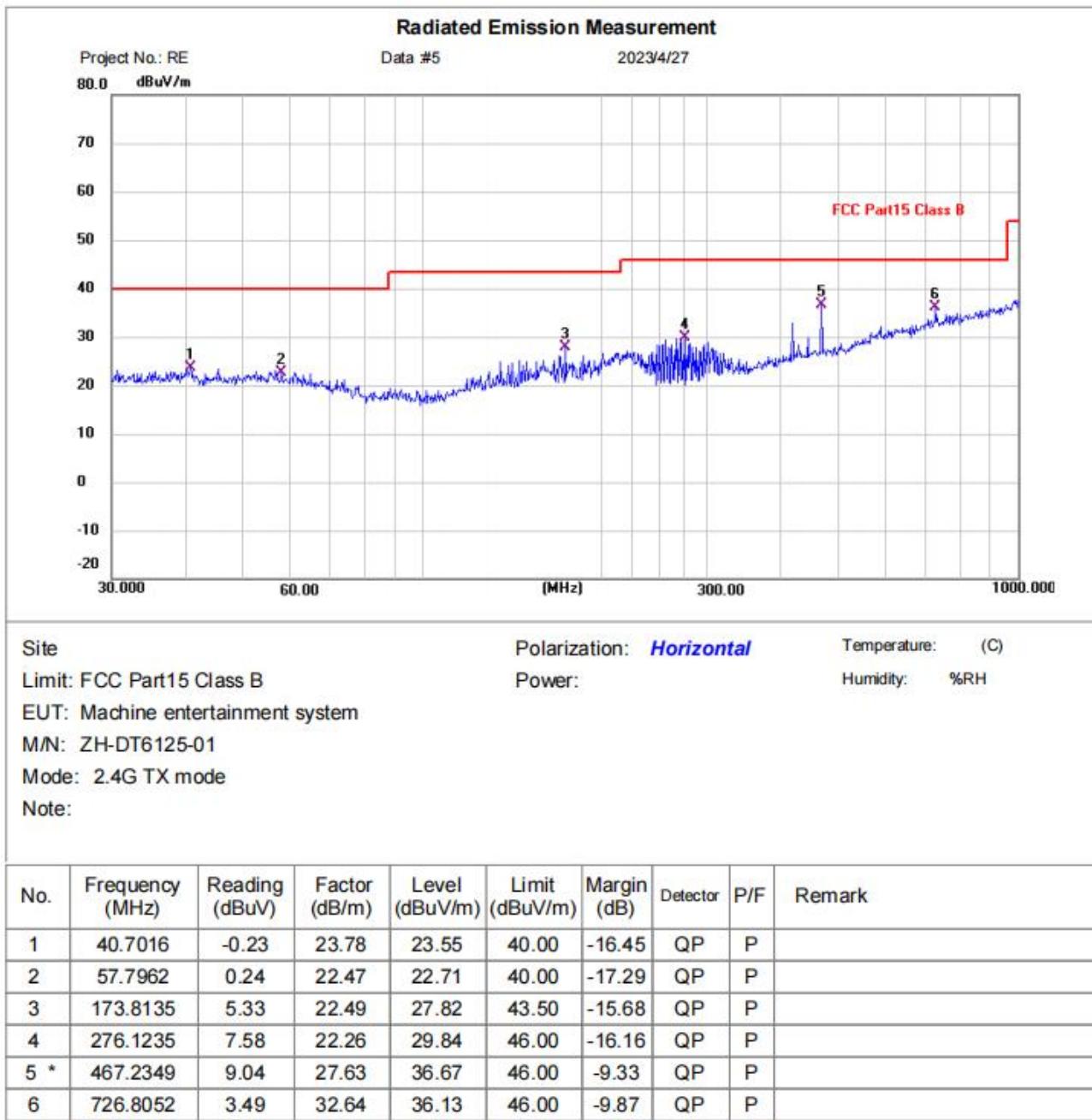
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

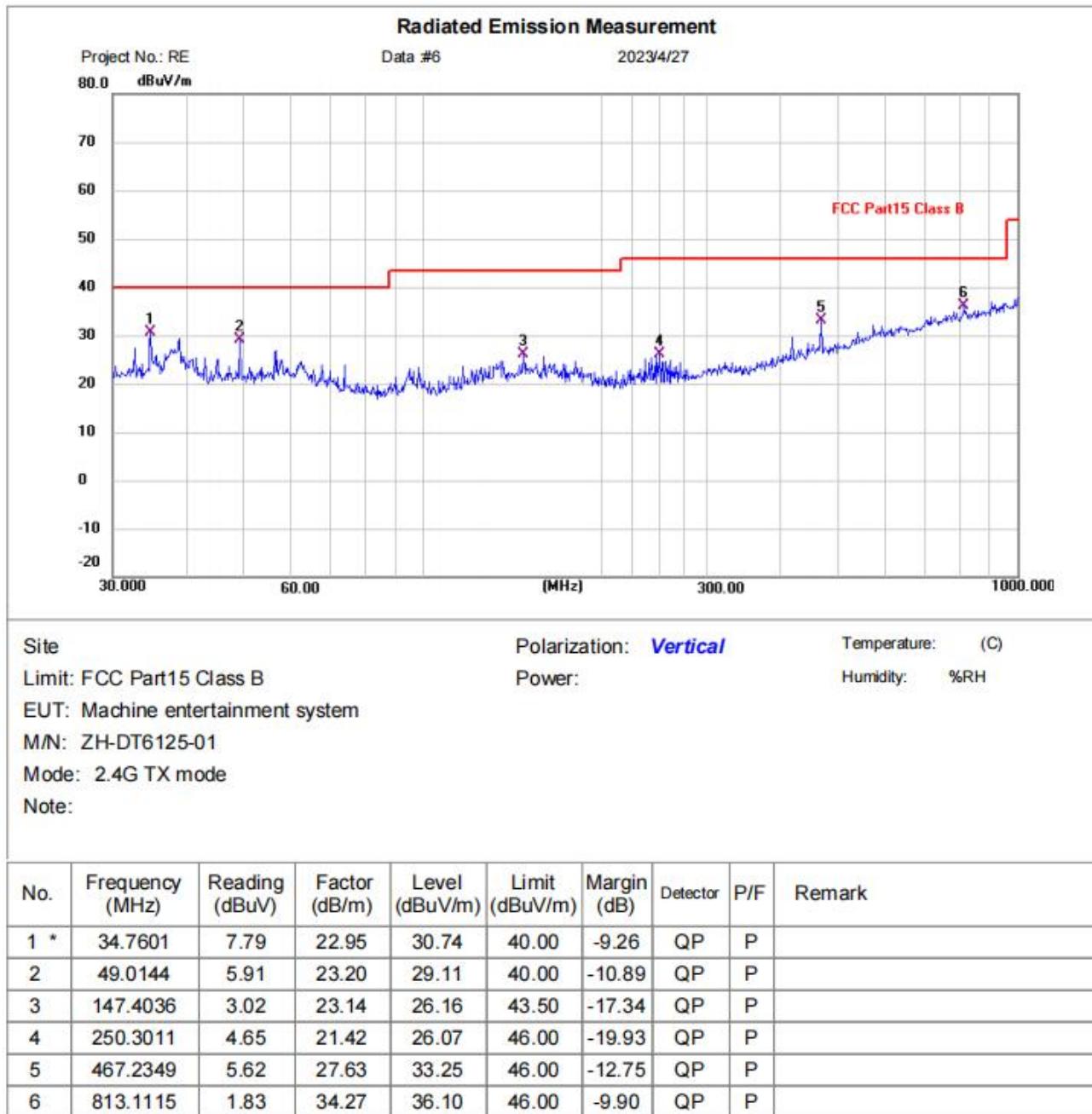
11.4 TEST DATA

[TestMode: TX below 1G]; [Polarity: Horizontal]



Test Result: Pass

[TestMode: TX below 1G]; [Polarity: Vertical]


Test Result: Pass

Remark: During the test, pre-scan the 802.11b/g/n mode, and found the 802.11N20 mode which it is worse case.

[TestMode: TX low channel]; [Polarity: Horizontal]

Radiated Emission Measurement



Test Result: Pass

12 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

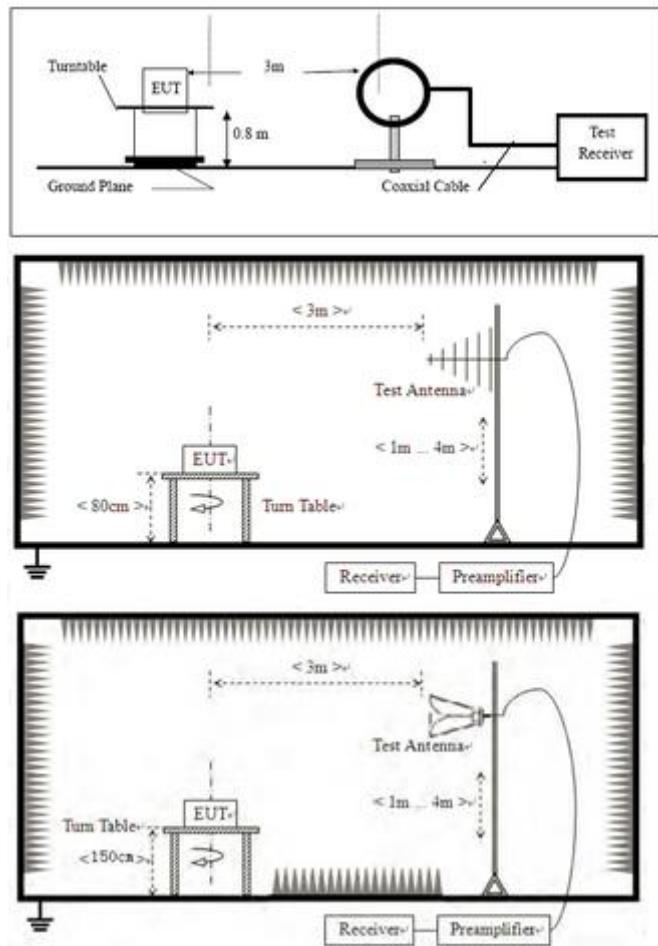
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.10.5
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25 °C
Humidity	60%

12.1 LIMITS

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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

12.2 BLOCK DIAGRAM OF TEST SETUP



12.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

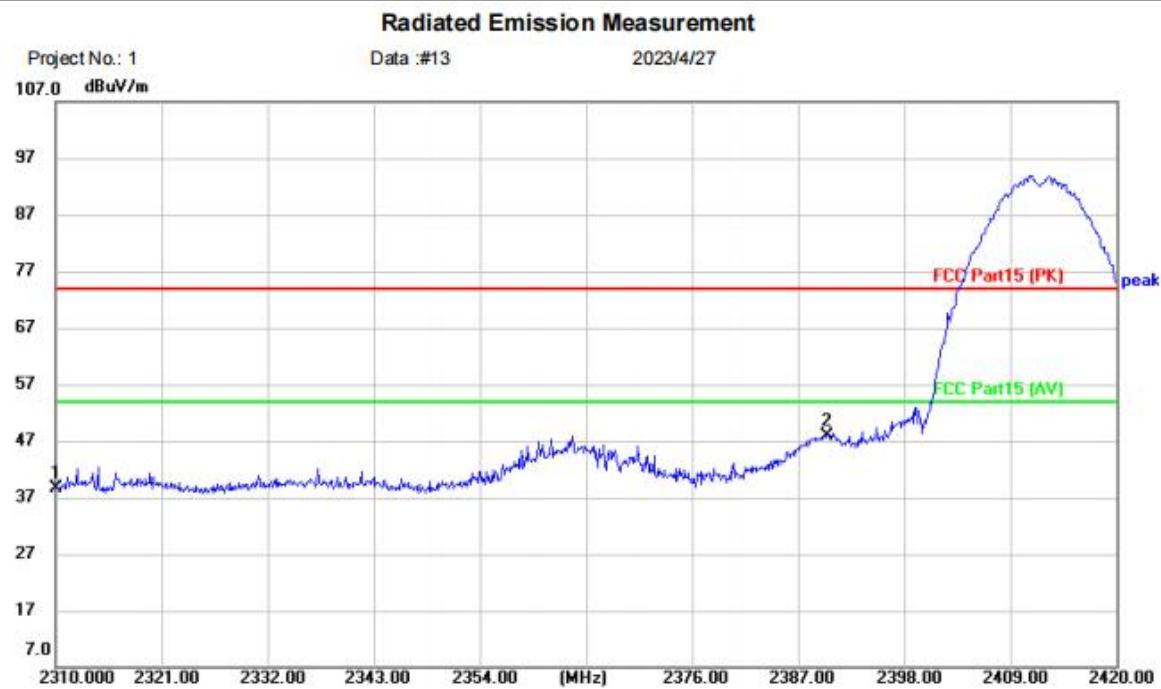
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

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12.4 TEST DATA

[TestMode: TX b low channel]; [Polarity: Horizontal]



Site

Polarization: **Horizontal**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

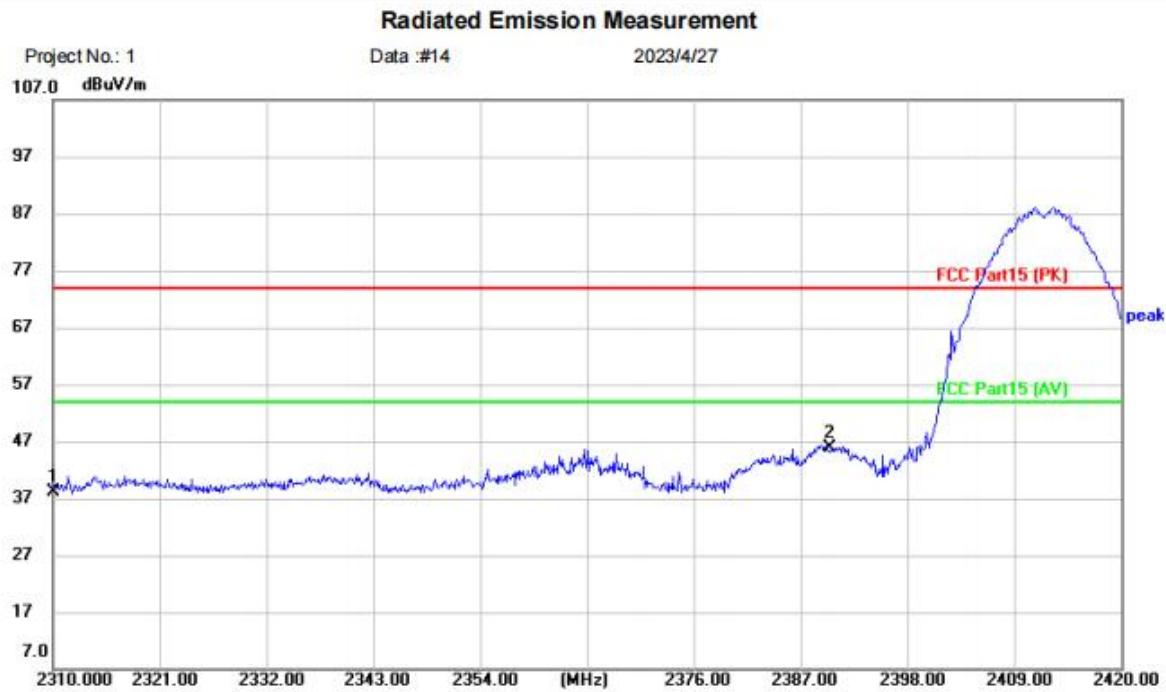
Mode: 2.4G 11B TX-L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2310.000	42.86	-4.27	38.59	74.00	-35.41	peak	
2	*	2390.000	51.73	-3.82	47.91	74.00	-26.09	peak	

Test Result: Pass

[TestMethod: TX b low channel]; [Polarity: Vertical]



Site

Polarization: **Vertical**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

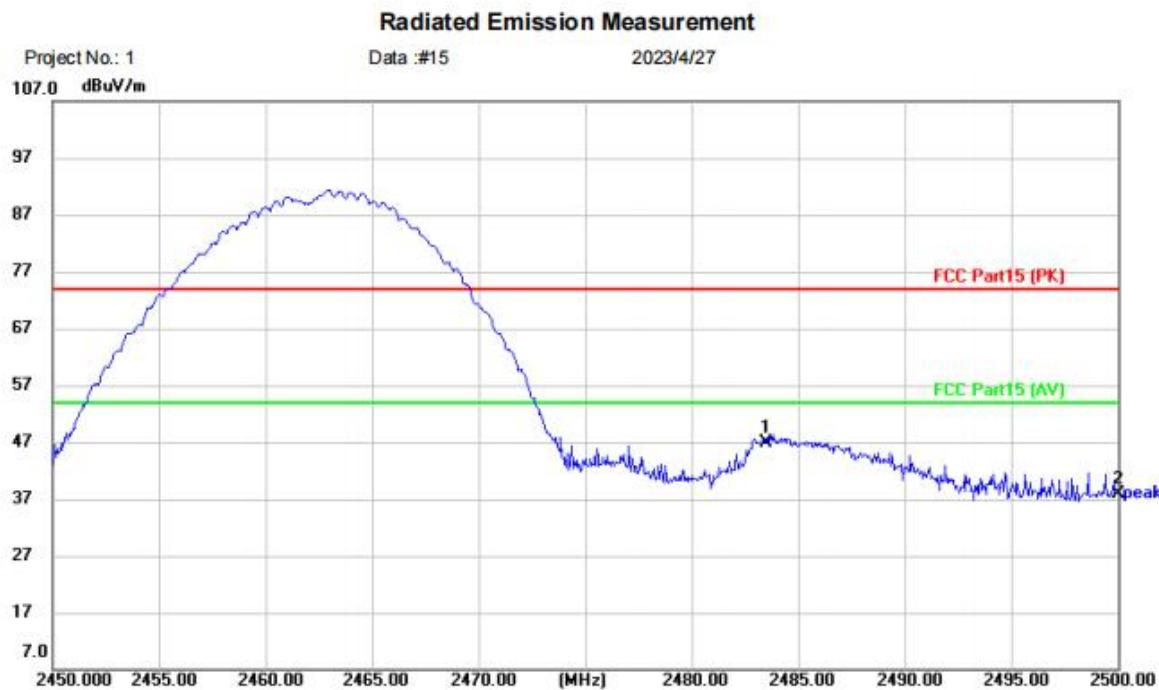
Mode: 2.4G 11B TX-L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		2310.000	42.49	-4.27	38.22	74.00	-35.78	peak
2 *		2390.000	49.61	-3.82	45.79	74.00	-28.21	peak

Test Result: Pass

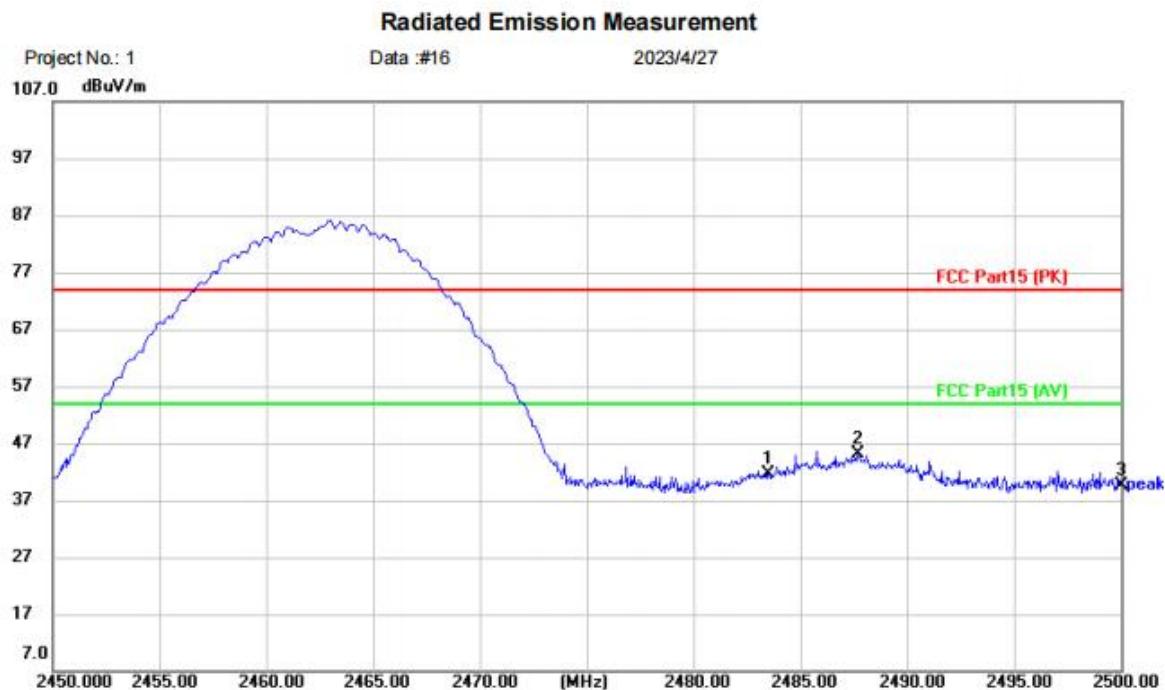
[TestMode: TX b high channel]; [Polarity: Horizontal]



No.	Mk.	Freq. MHz	Reading Level dB _{uV}	Correct Factor dB	Measure- ment dB _{uV/m}	Limit dB _{uV/m}	Over dB	Detector	Comment
1	*	2483.500	50.95	-3.96	46.99	74.00	-27.01	peak	
2		2500.000	41.83	-4.00	37.83	74.00	-36.17	peak	

Test Result: Pass

[TestMode: TX b high channel]; [Polarity: Vertical]

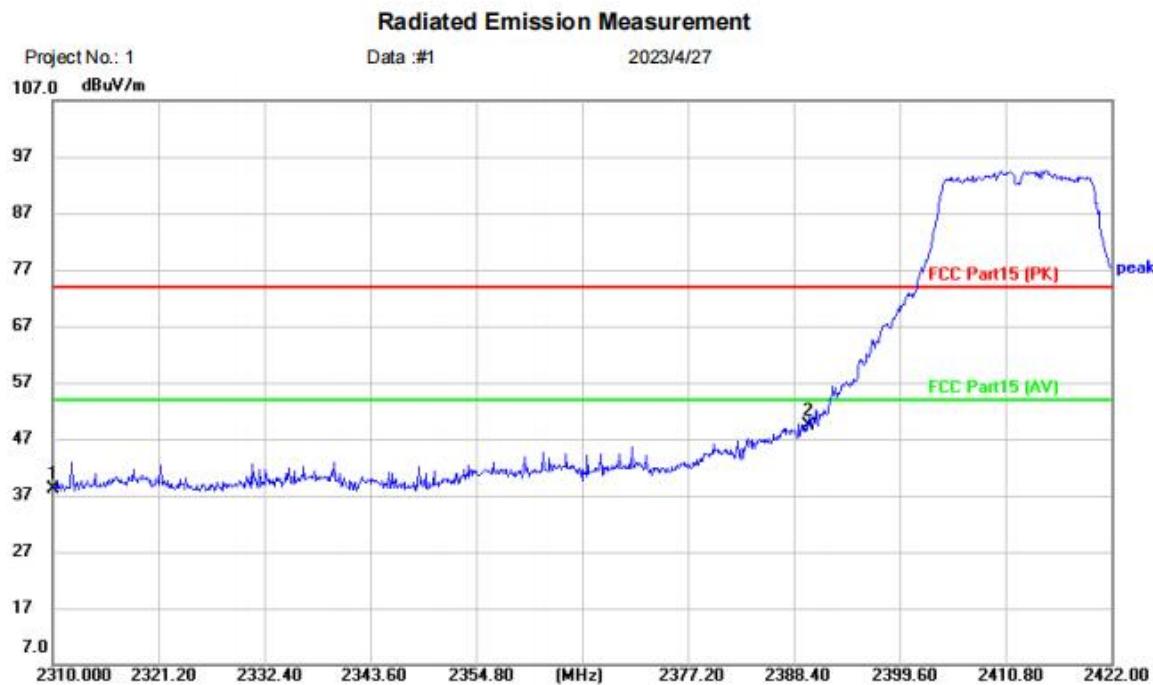


Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Machine entertainment system		
M/N: ZH-DT6125-01		
Mode: 2.4G 11B TX-H		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2483.500	45.66	-3.96	41.70	74.00	-32.30		peak	
2 *	2487.700	48.98	-3.97	45.01	74.00	-28.99		peak	
3	2500.000	43.59	-4.00	39.59	74.00	-34.41		peak	

Test Result: Pass

[TestMethod: TX g low channel]; [Polarity: Horizontal]



Site

Polarization: **Horizontal**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

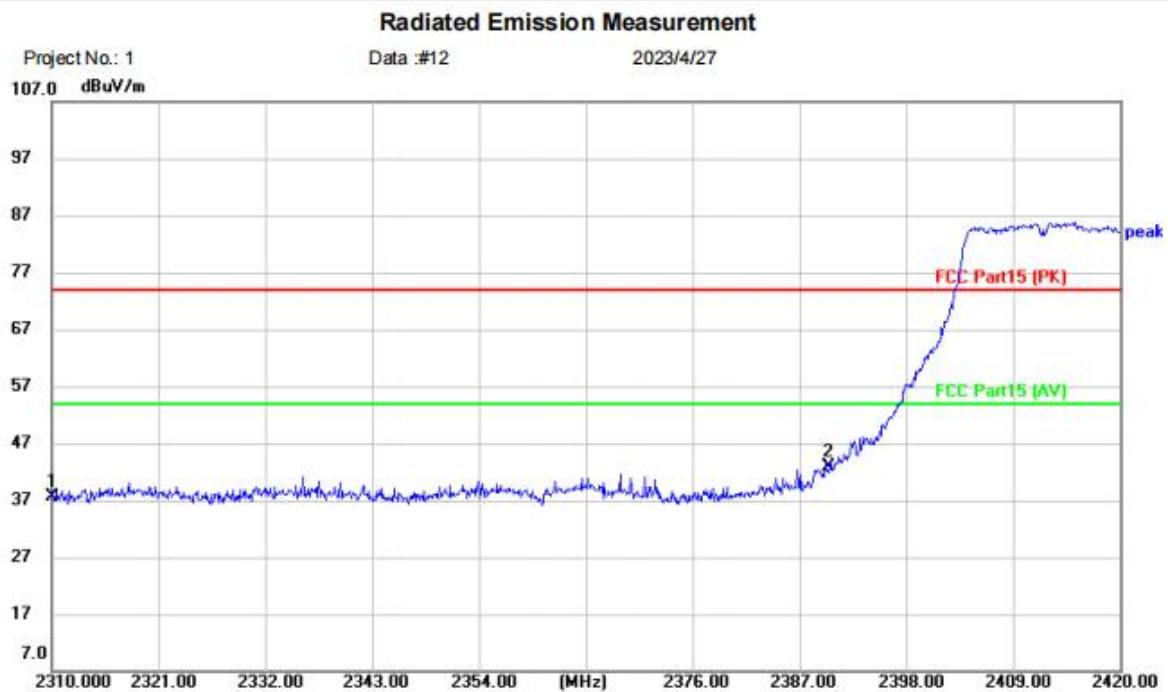
Mode: 2.4G 11G TX-L

Note:

No.	Mk.	Freq. MHz	Reading Level dB _B V	Correct Factor dB	Measure- ment dB _B V/m	Limit dB _B V/m	Over dB	Detector	Comment
1		2310.000	42.51	-4.27	38.24	74.00	-35.76	peak	
2	*	2390.000	53.14	-3.82	49.32	74.00	-24.68	peak	

Test Result: Pass

[TestMode: TX g low channel]; [Polarity: Vertical]

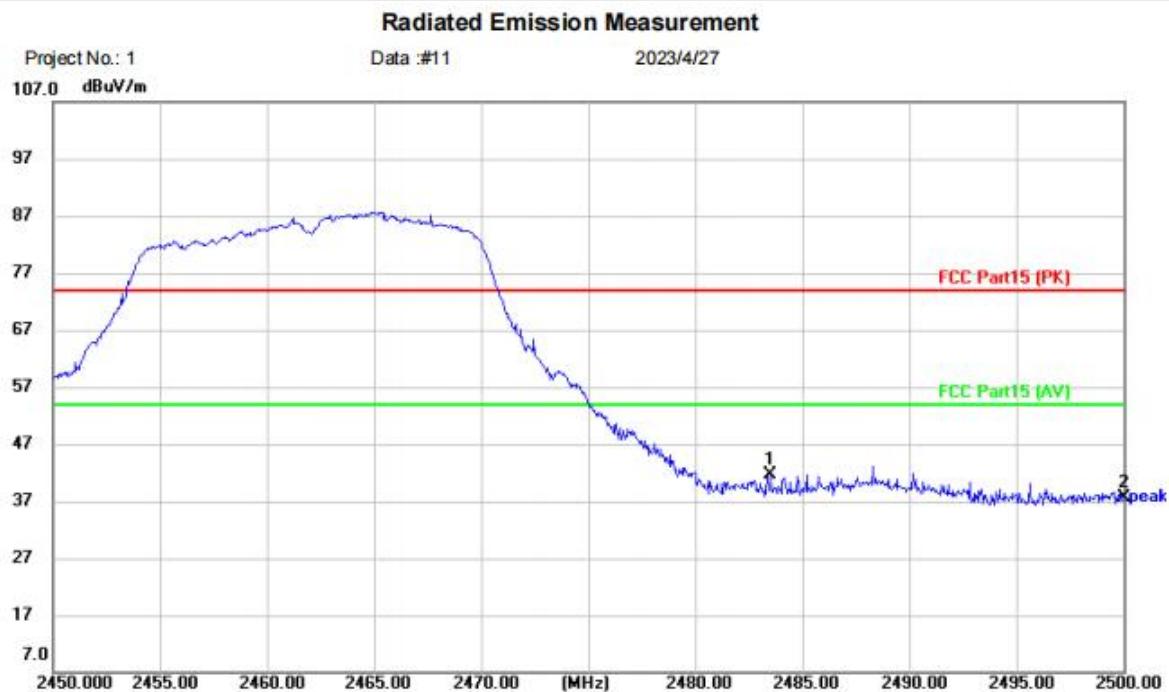


Site Polarization: **Vertical** Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT: Machine entertainment system
 M/N: ZH-DT6125-01
 Mode: 2.4G 11G TX-L
 Note:

No.	Mk.	Freq. MHz	Reading Level dB _{uV}	Correct Factor dB	Measure- ment dB _{uV/m}	Limit dB _{uV/m}	Over dB	Detector	Comment
1		2310.000	41.94	-4.27	37.67	74.00	-36.33	peak	
2 *		2390.000	46.66	-3.82	42.84	74.00	-31.16	peak	

Test Result: Pass

[TestMode: TX g high channel]; [Polarity: Vertical]



Site

 Polarization: **Vertical**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

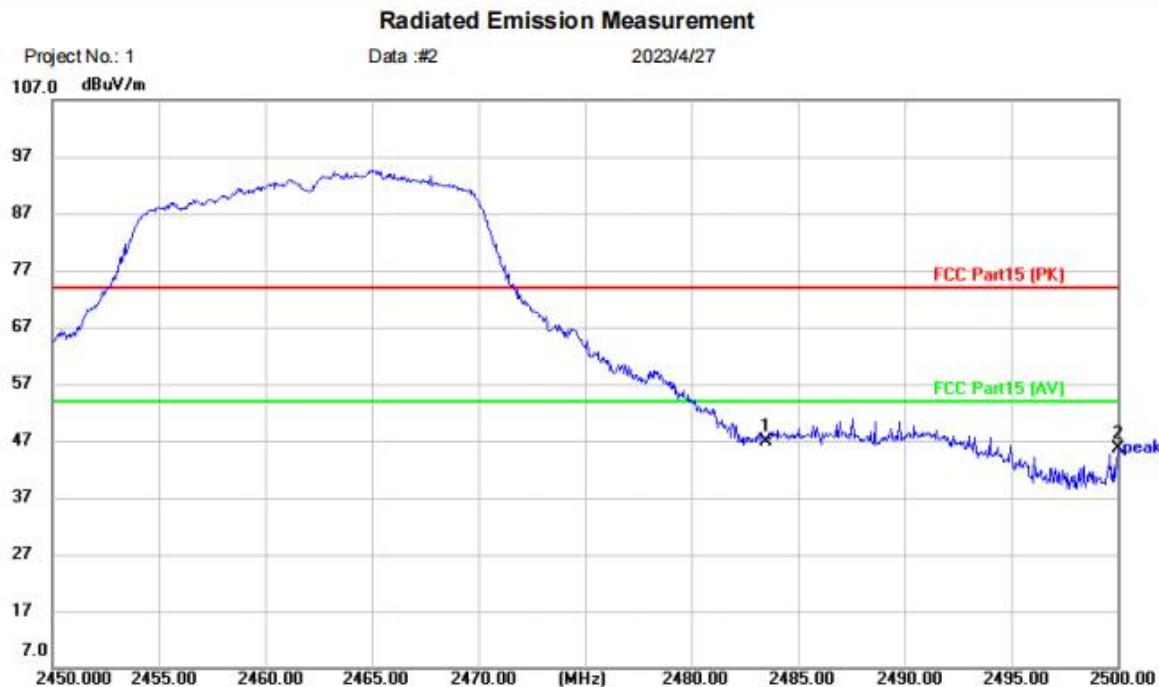
Mode: 2.4G 11G TX-H

Note:

No.	Mk.	Freq. MHz	Reading Level dB _{UV}	Correct Factor dB	Measure- ment dB _{UV} /m	Limit dB _{UV} /m	Over dB	Detector	Comment
1	*	2483.500	45.52	-3.96	41.56	74.00	-32.44	peak	
2		2500.000	41.59	-4.00	37.59	74.00	-36.41	peak	

Test Result: Pass

[TestMode: TX g high channel]; [Polarity: Horizontal]



Site

Polarization: **Horizontal**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

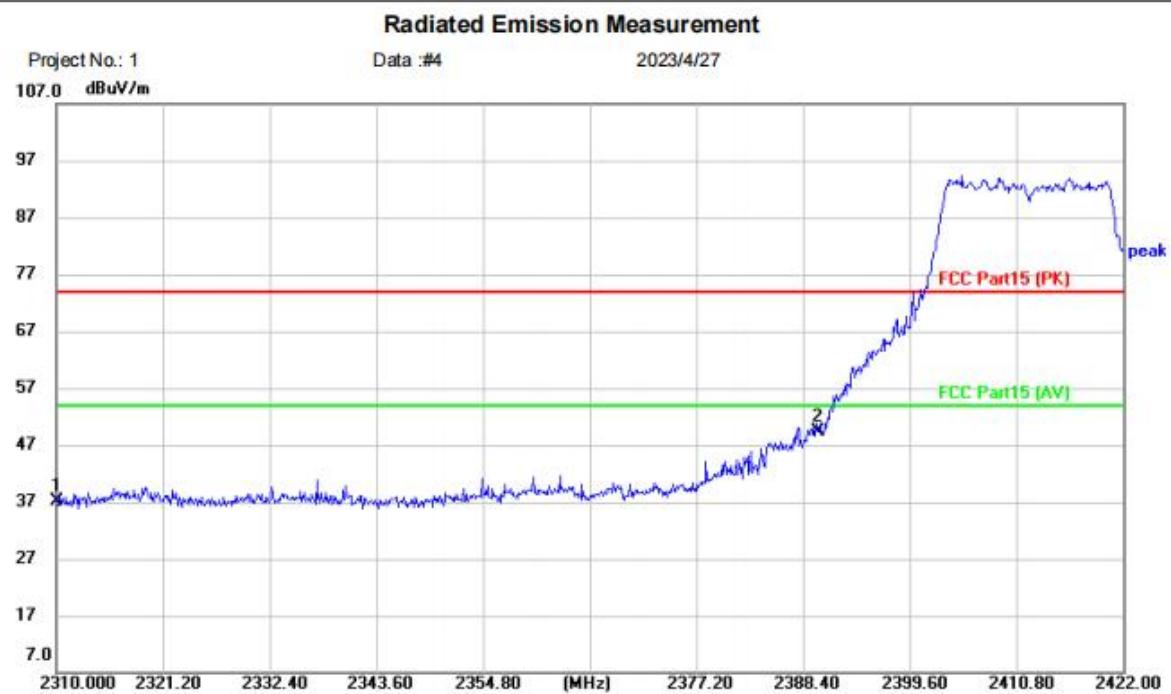
Mode: 2.4G 11G TX-H

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2483.500	50.83	-3.96	46.87	74.00	-27.13	peak
2		2500.000	49.61	-4.00	45.61	74.00	-28.39	peak

Test Result: Pass

[TestMode: TX n20 low channel]; [Polarity: Horizontal]



Site

Polarization: **Horizontal**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

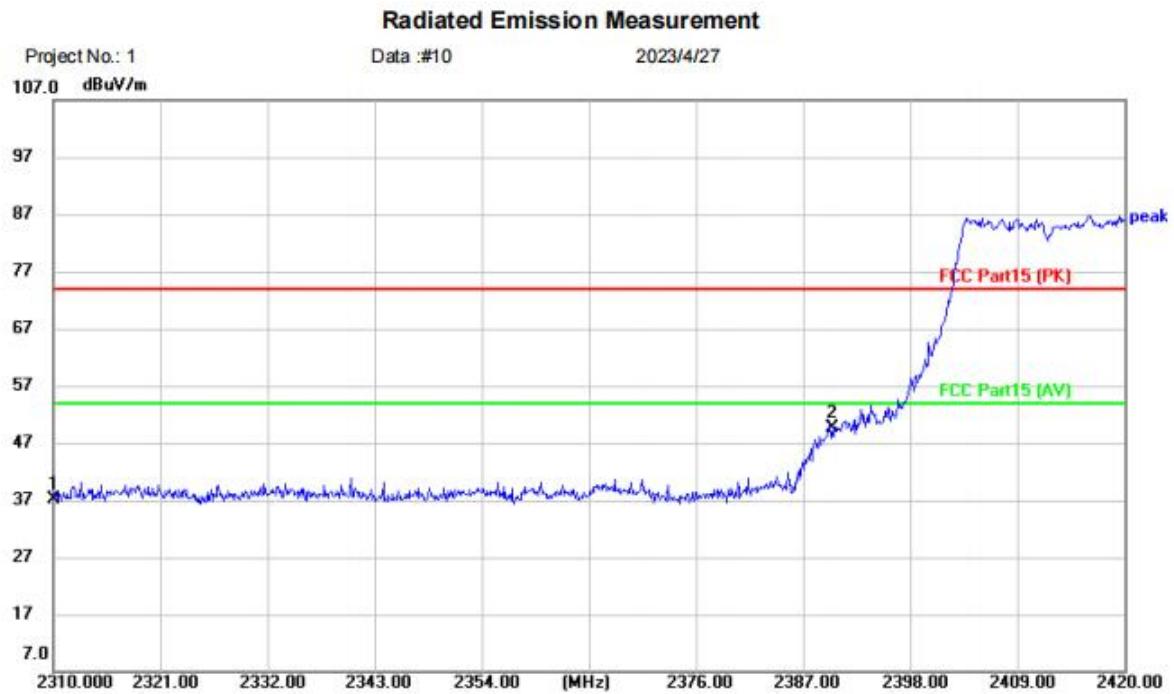
M/N: ZH-DT6125-01

Mode: 2.4G 11N20 TX-L

Note:

No.	Mk.	Freq. MHz	Reading Level dB _{uV}	Correct Factor dB	Measure- ment dB _{uV/m}	Limit dB _{uV/m}	Over Detector	Comment
1		2310.000	41.41	-4.27	37.14	74.00	-36.86	peak
2	*	2390.000	53.30	-3.82	49.48	74.00	-24.52	peak

Test Result: Pass

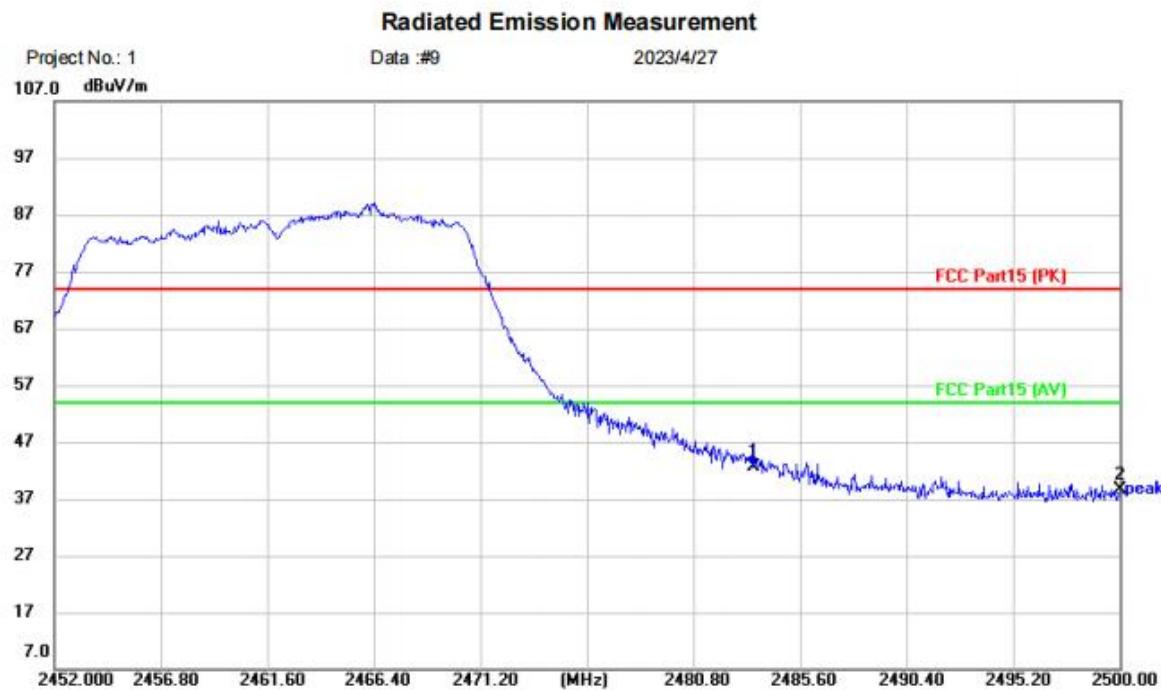
[**TestMode: TX n20 low channel]**; [**Polarity: Vertical**]


Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Machine entertainment system		
M/N: ZH-DT6125-01		
Mode: 2.4G 11N20 TX-L		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2310.000	41.30	-4.27	37.03	74.00	-36.97	peak	
2	*	2390.000	53.37	-3.82	49.55	74.00	-24.45	peak	

Test Result: Pass

[TestMode: TX n20 high channel]; [Polarity: Vertical]



Site

Polarization: **Vertical**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

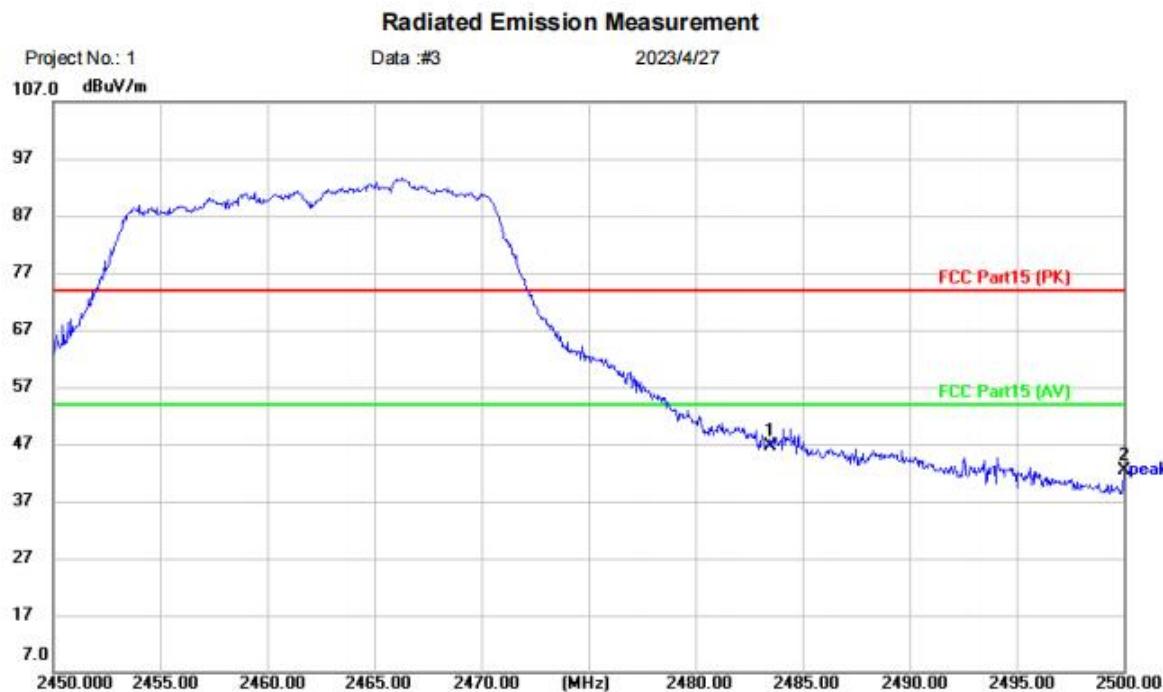
Mode: 2.4G 11N20 TX-H

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	46.59	-3.96	42.63	74.00	-31.37	peak	
2		2500.000	42.52	-4.00	38.52	74.00	-35.48	peak	

Test Result: Pass

[TestMode: TX n20 high channel]; [Polarity: Horizontal]

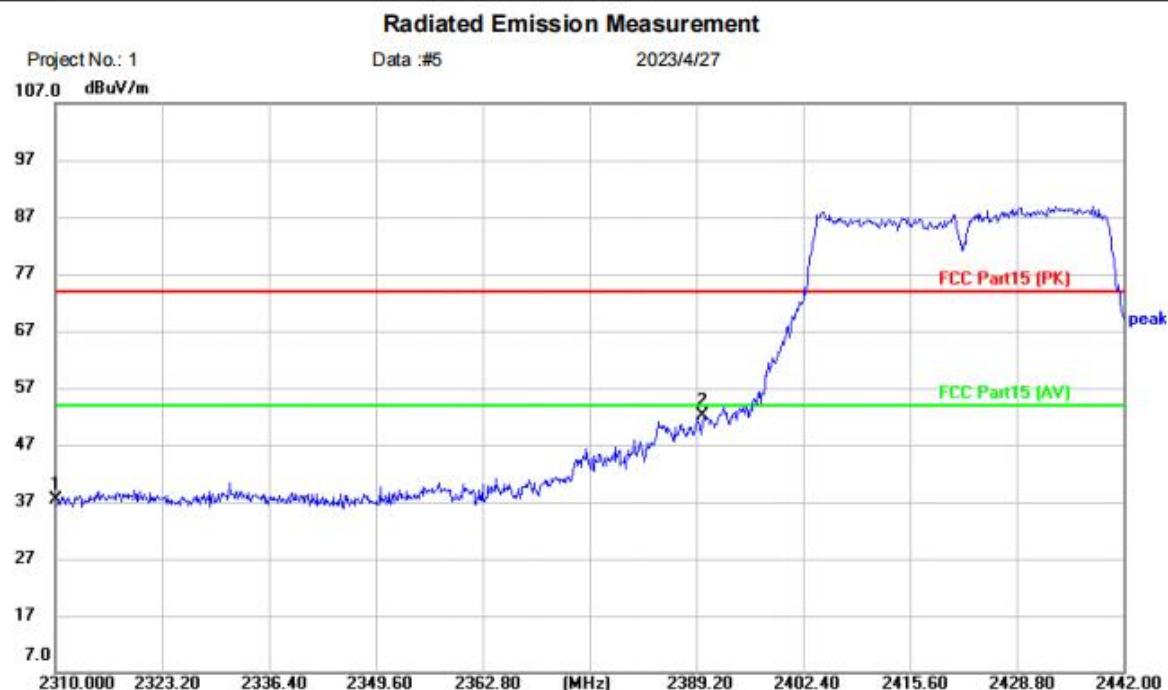


Site: Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT: Machine entertainment system
 M/N: ZH-DT6125-01
 Mode: 2.4G 11N20 TX-H
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	50.59	-3.96	46.63	74.00	-27.37	peak	
2		2500.000	46.42	-4.00	42.42	74.00	-31.58	peak	

Test Result: Pass

[TestMode: TX n40 low channel]; [Polarity: Horizontal]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

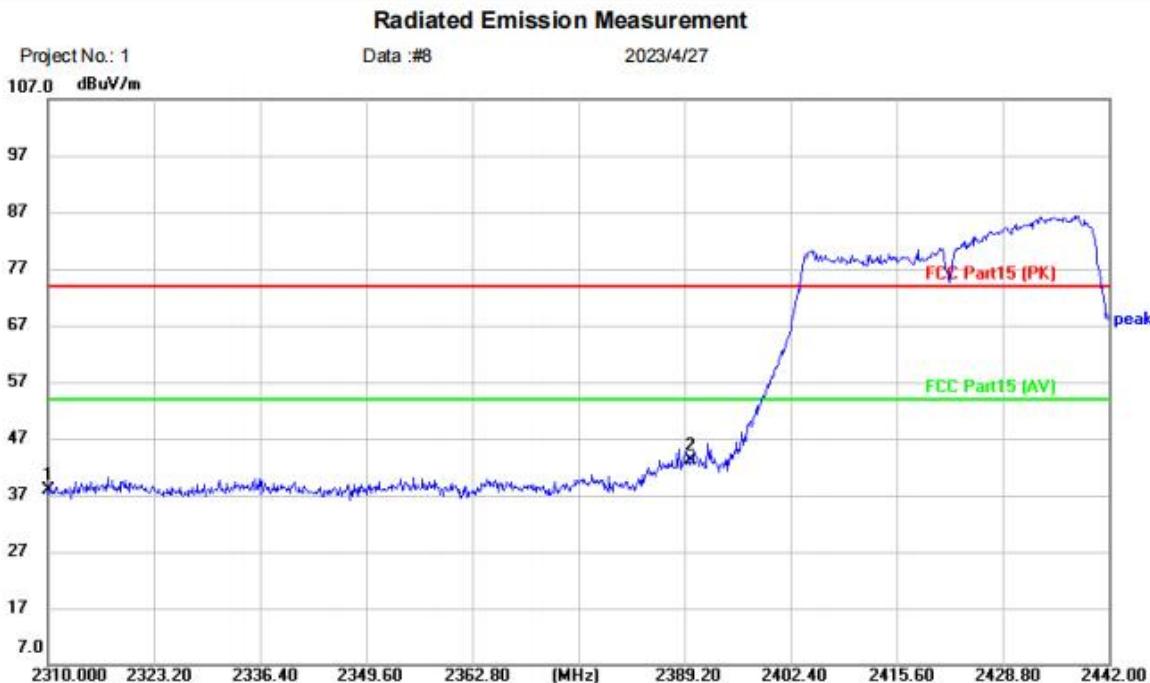
Mode: 2.4G 11N40 TX-L

Note:

No.	Mk.	Freq. MHz	Reading Level dB _{uV}	Correct Factor dB	Measure- ment dB _{uV/m}	Limit dB _{uV/m}	Over dB	Detector	Comment
1		2310.000	41.64	-4.27	37.37	74.00	-36.63	peak	
2	*	2390.000	55.93	-3.82	52.11	74.00	-21.89	peak	

Test Result: Pass

[TestMode: TX n40 low channel]; [Polarity: Vertical]

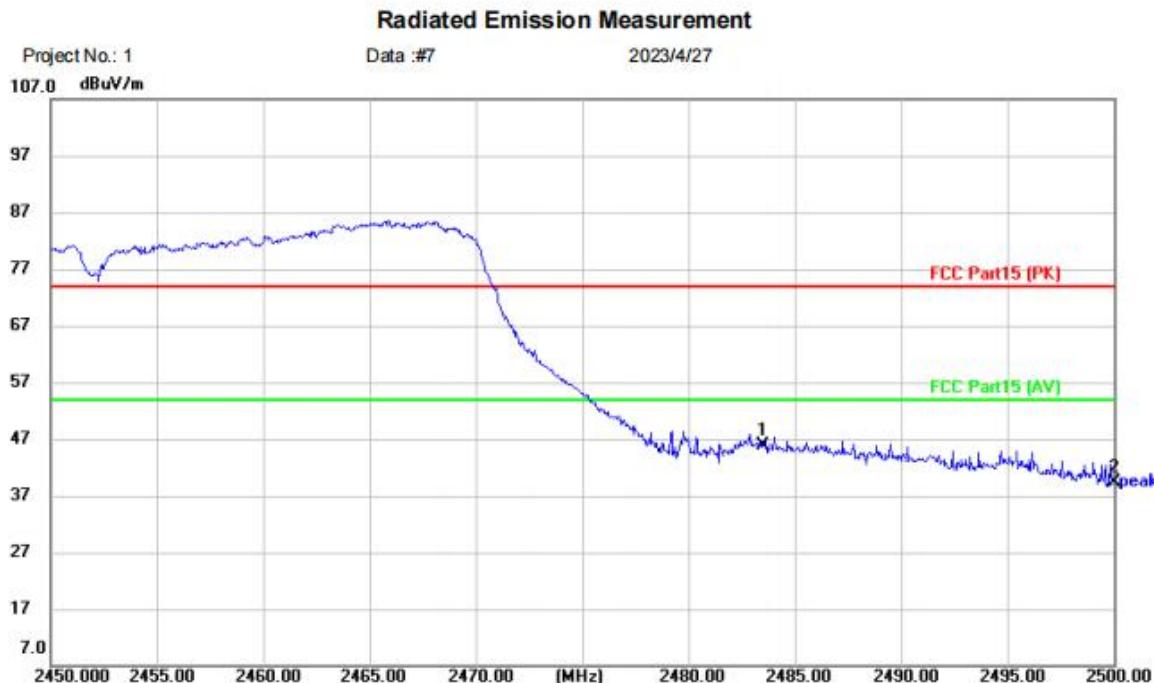


Site Temperature: (C)
Limit: FCC Part15 (PK) Humidity: %RH
EUT: Machine entertainment system
M/N: ZH-DT6125-01
Mode: 2.4G 11N40 TX-L
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dB _{uV}	dB	dB _{uV/m}	dB _{uV/m}	dB	Detector	Comment
1		2310.000	42.25	-4.27	37.98	74.00	-36.02	peak	
2	*	2390.000	47.03	-3.82	43.21	74.00	-30.79	peak	

Test Result: Pass

[TestMode: TX n40 hig channel]; [Polarity: Vertical]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

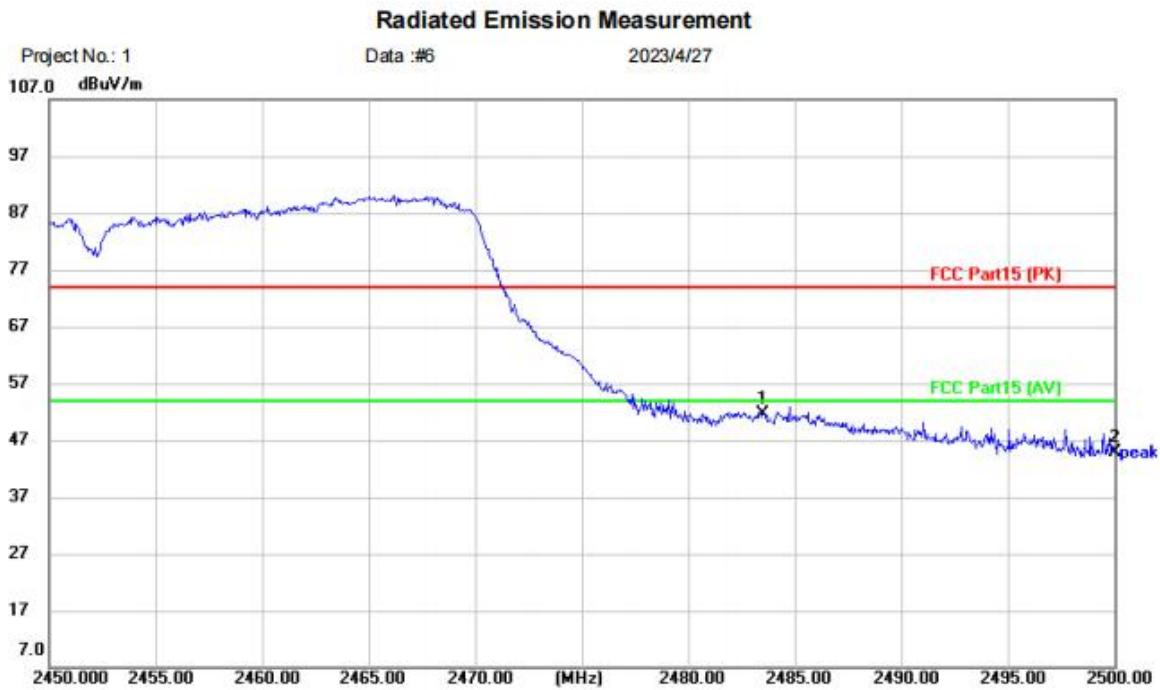
Mode: 2.4G 11N40 TX-H

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	*	2483.500	49.72	-3.96	45.76	74.00	-28.24	peak	
2		2500.000	43.41	-4.00	39.41	74.00	-34.59	peak	

Test Result: Pass

[TestMode: TX n40 high channel]; [Polarity: Horizontal]



Site

Polarization: **Horizontal**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT: Machine entertainment system

M/N: ZH-DT6125-01

Mode: 2.4G 11N40 TX-H

Note:

No.	Mk.	Freq. MHz	Reading Level dB _{UV}	Correct Factor dB	Measure- ment dB _{UV/m}	Limit dB _{UV/m}	Over dB	Detector	Comment
1	*	2483.500	55.52	-3.96	51.56	74.00	-22.44	peak	
2		2500.000	49.00	-4.00	45.00	74.00	-29.00	peak	

Test Result: Pass

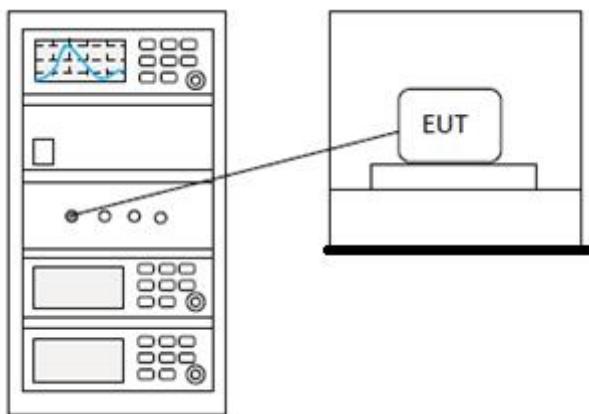
13 CONDUCTED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25 °C
Humidity	60%

13.1 LIMITS

Limit:	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. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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13.2 BLOCK DIAGRAM OF TEST SETUP



13.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

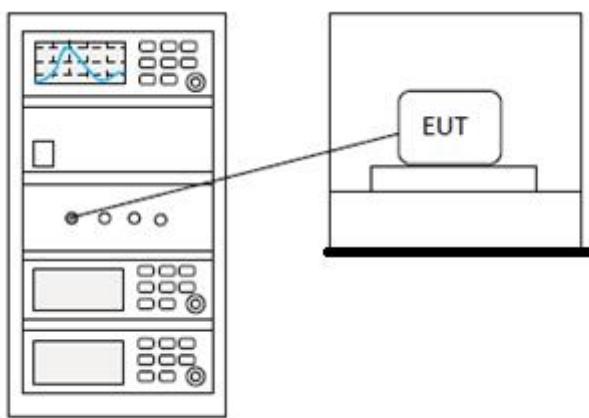
14 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25 °C
Humidity	60%

14.1 LIMITS

Limit:	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. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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14.2 BLOCK DIAGRAM OF TEST SETUP



14.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

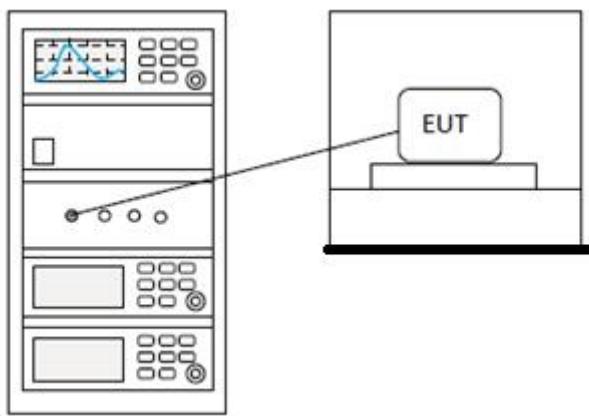
15 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.8.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25 °C
Humidity	60%

15.1 LIMITS

Limit: ≥ 500 kHz

15.2 BLOCK DIAGRAM OF TEST SETUP



15.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

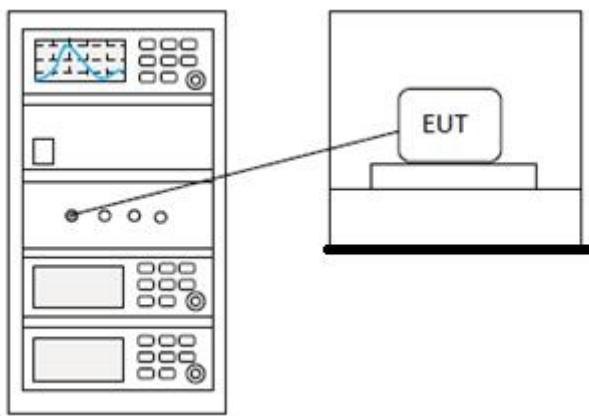
16 POWER SPECTRUM DENSITY

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.10.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25 °C
Humidity	60%

16.1 LIMITS

Limit: $\leq 8\text{dBm}$ in any 3 kHz band during any time interval of continuous transmission

16.2 BLOCK DIAGRAM OF TEST SETUP



16.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

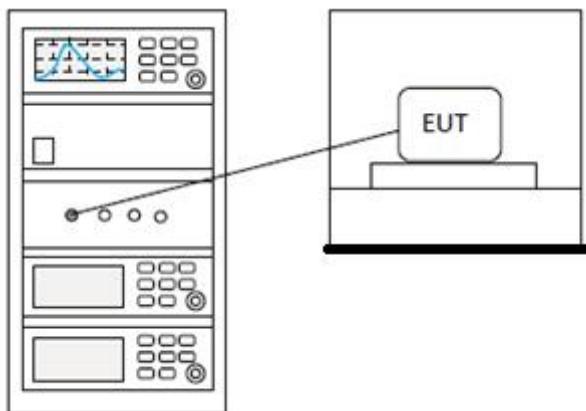
17 CONDUCTED PEAK OUTPUT POWER

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25 °C
Humidity	60%

17.1 LIMITS

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

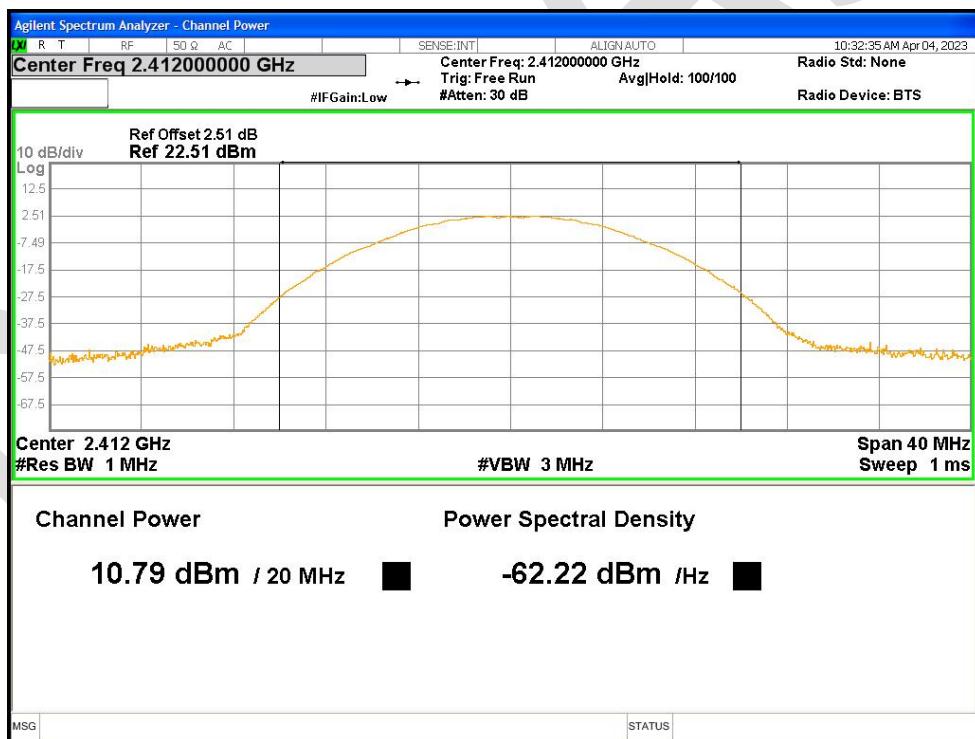
18 APPENDIX

Appendix1

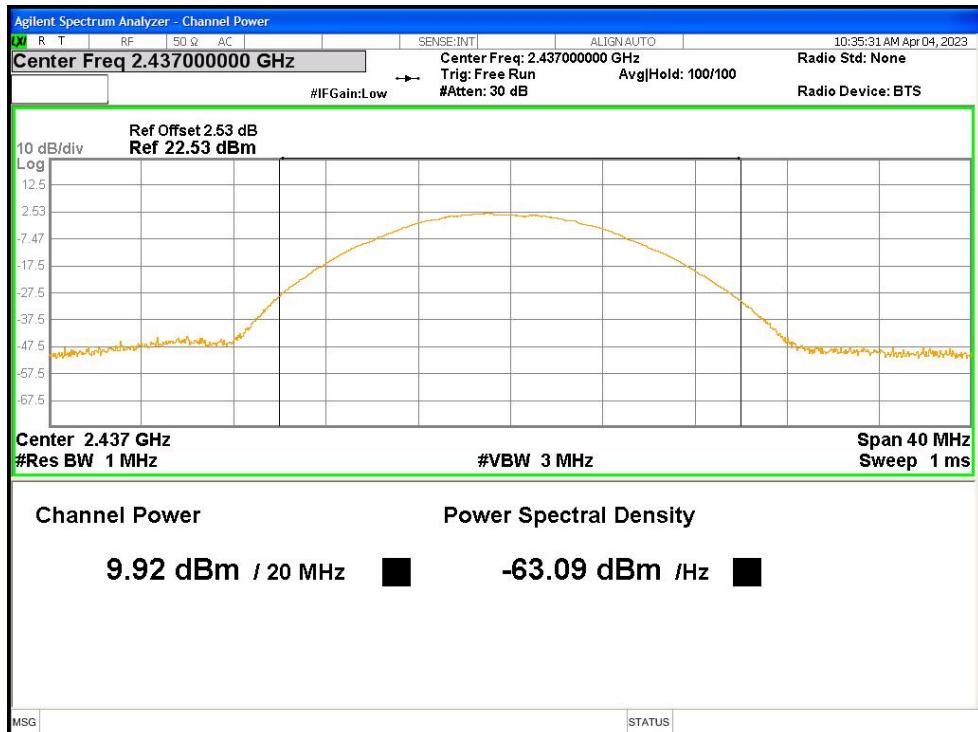
18.1 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	10.787	30	Pass
NVNT	b	2437	Ant1	9.919	30	Pass
NVNT	b	2462	Ant1	9.819	30	Pass
NVNT	g	2412	Ant1	14.009	30	Pass
NVNT	g	2437	Ant1	13.269	30	Pass
NVNT	g	2462	Ant1	13.247	30	Pass
NVNT	n20	2412	Ant1	13.957	30	Pass
NVNT	n20	2437	Ant1	13.128	30	Pass
NVNT	n20	2462	Ant1	12.942	30	Pass
NVNT	n40	2422	Ant1	12.739	30	Pass
NVNT	n40	2437	Ant1	13.051	30	Pass
NVNT	n40	2452	Ant1	12.68	30	Pass

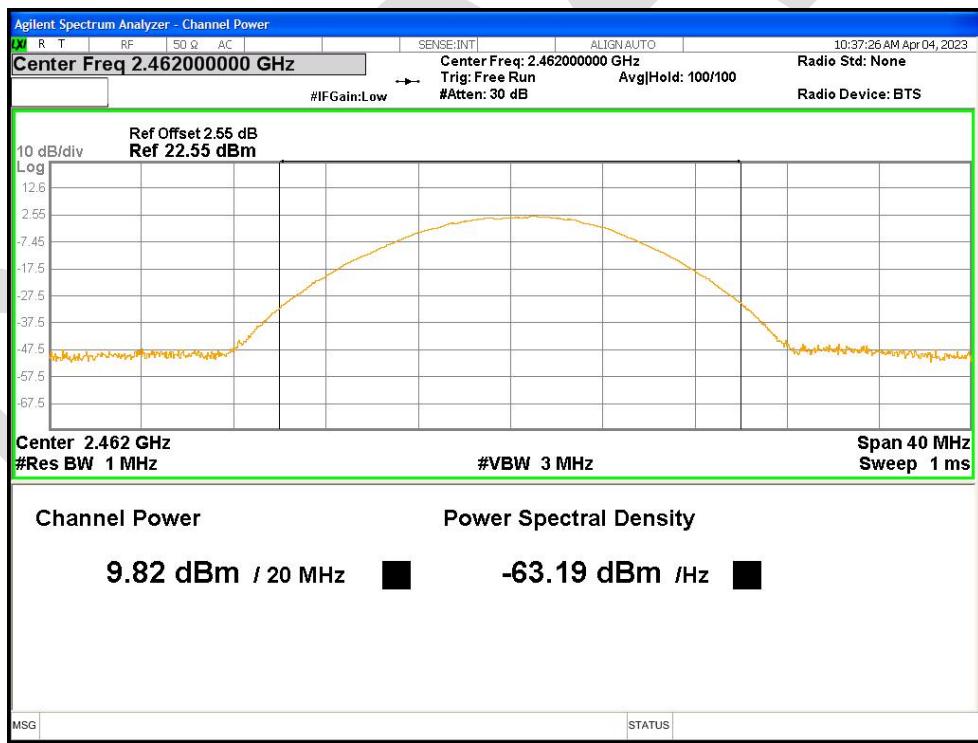
Power NVNT b 2412MHz Ant1



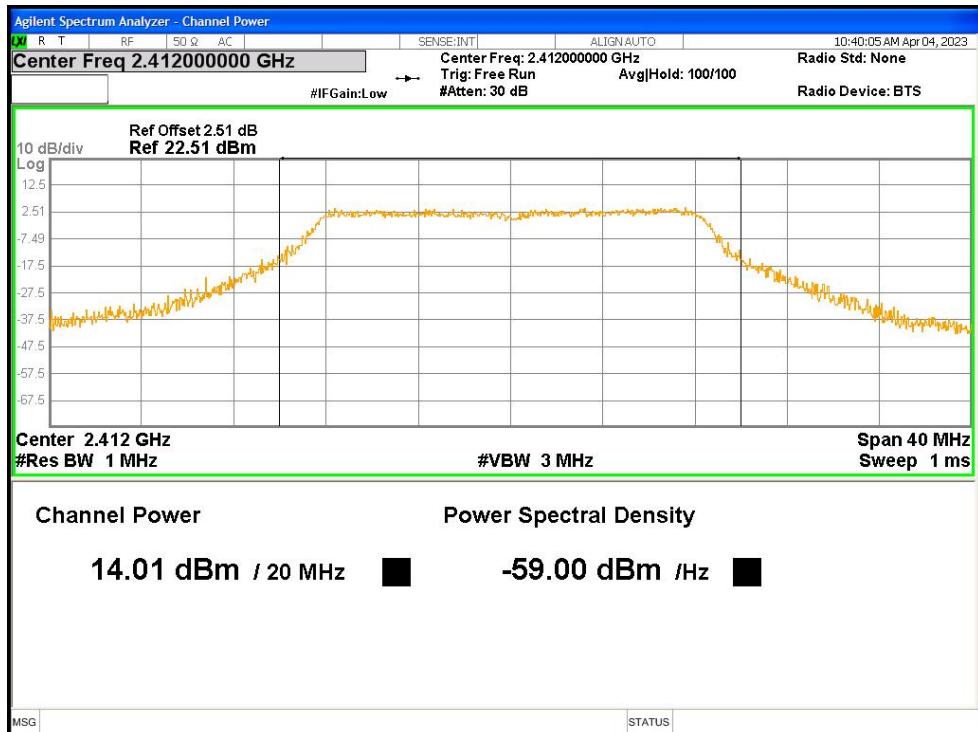
Power NVNT b 2437MHz Ant1



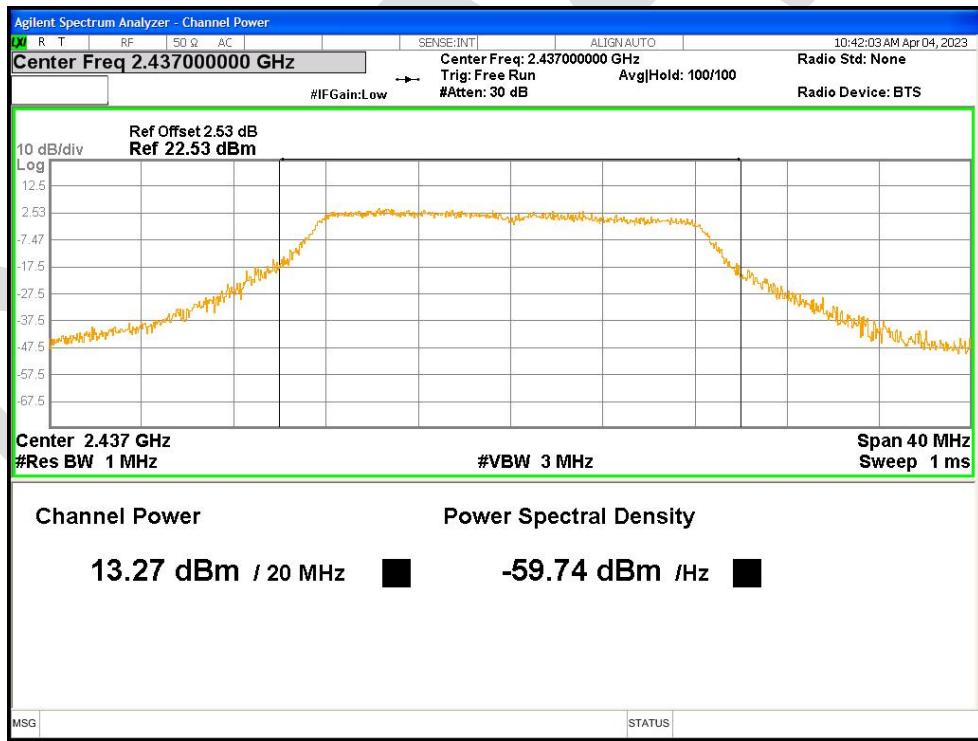
Power NVNT b 2462MHz Ant1



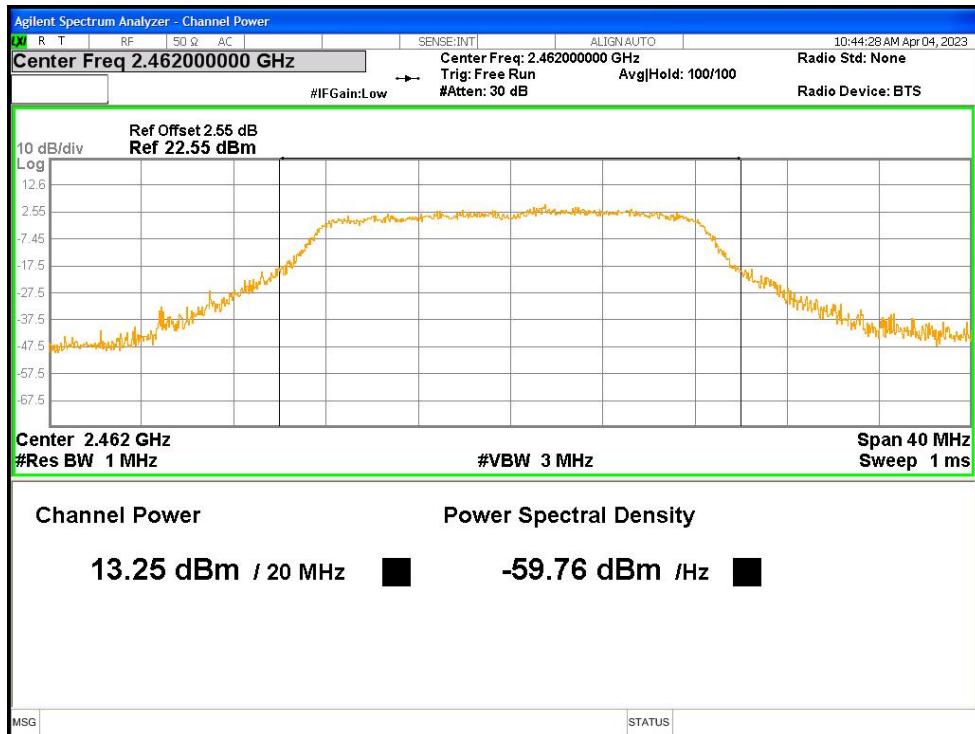
Power NVNT g 2412MHz Ant1



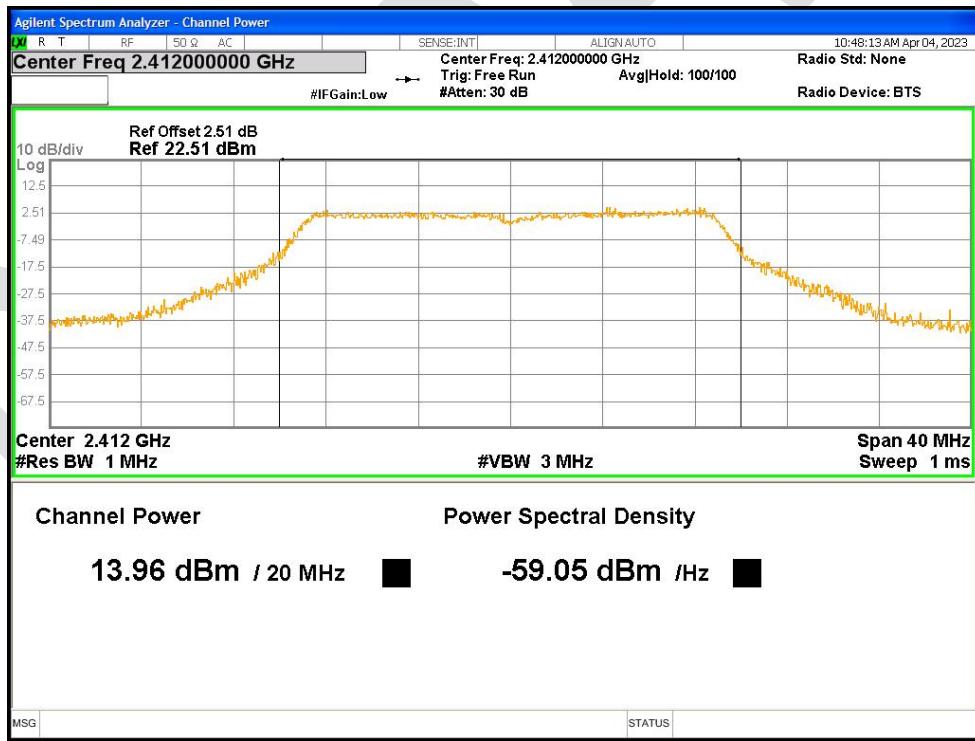
Power NVNT g 2437MHz Ant1



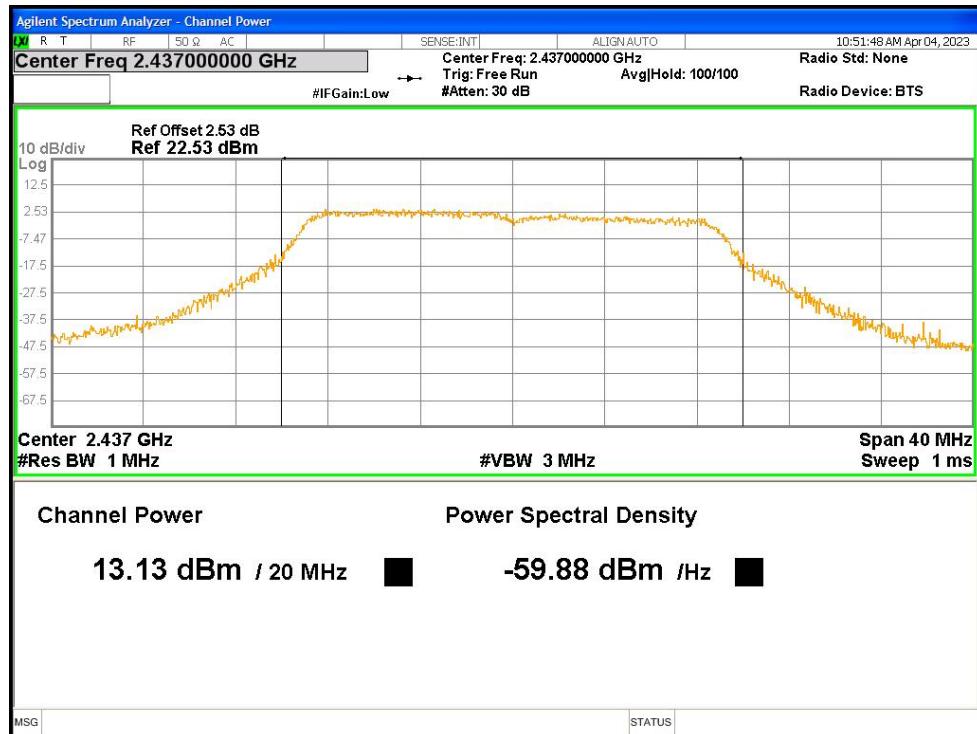
Power NVNT g 2462MHz Ant1



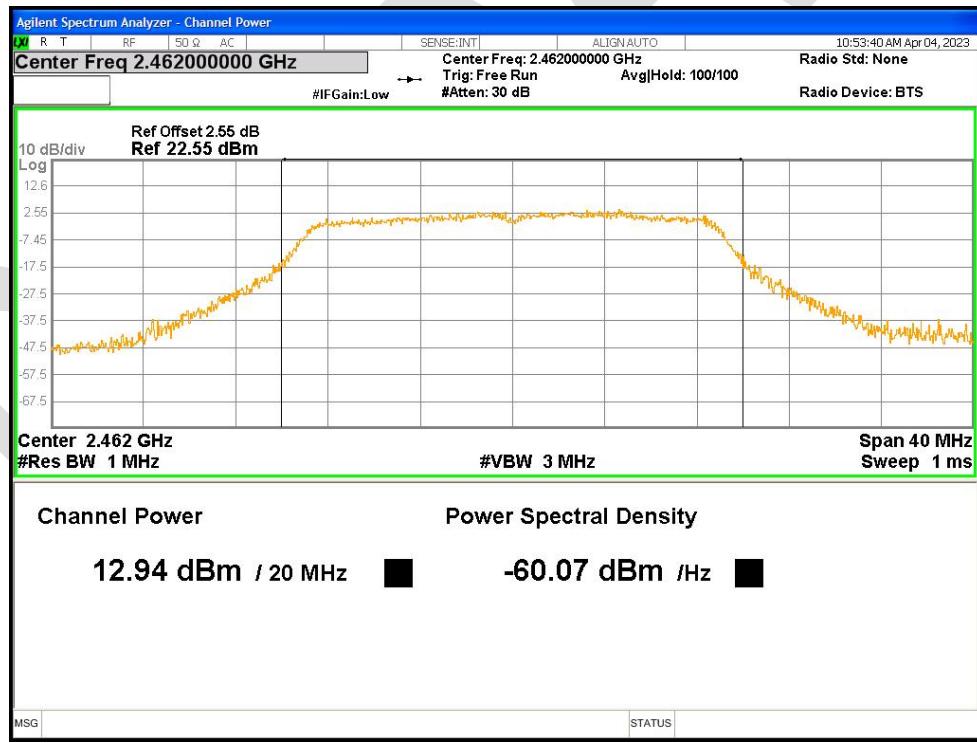
Power NVNT n20 2412MHz Ant1



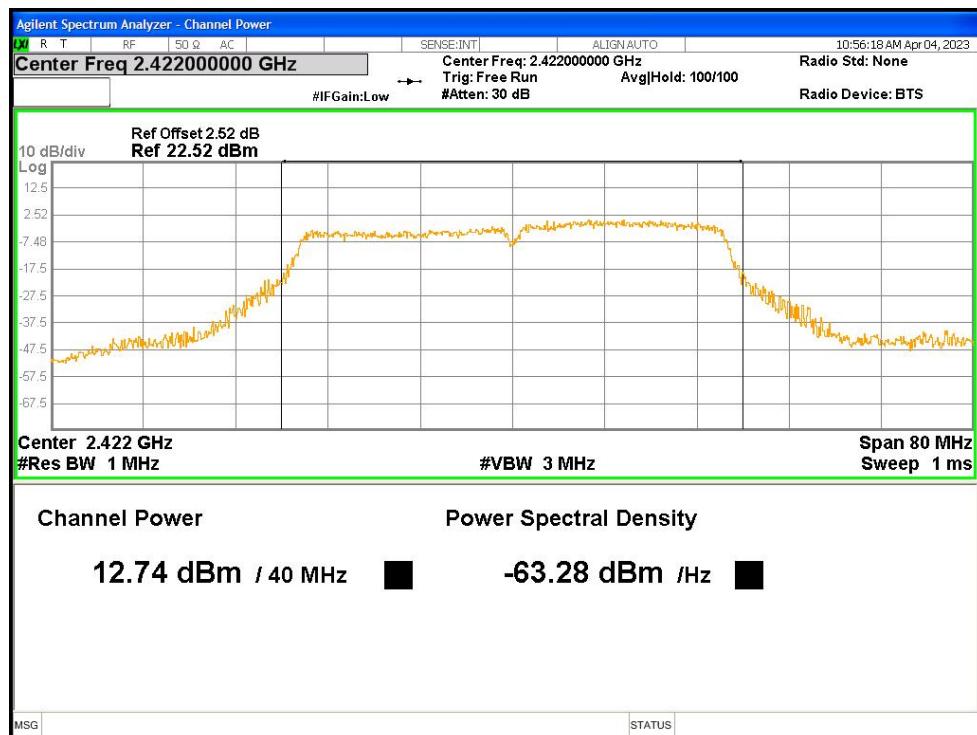
Power NVNT n20 2437MHz Ant1



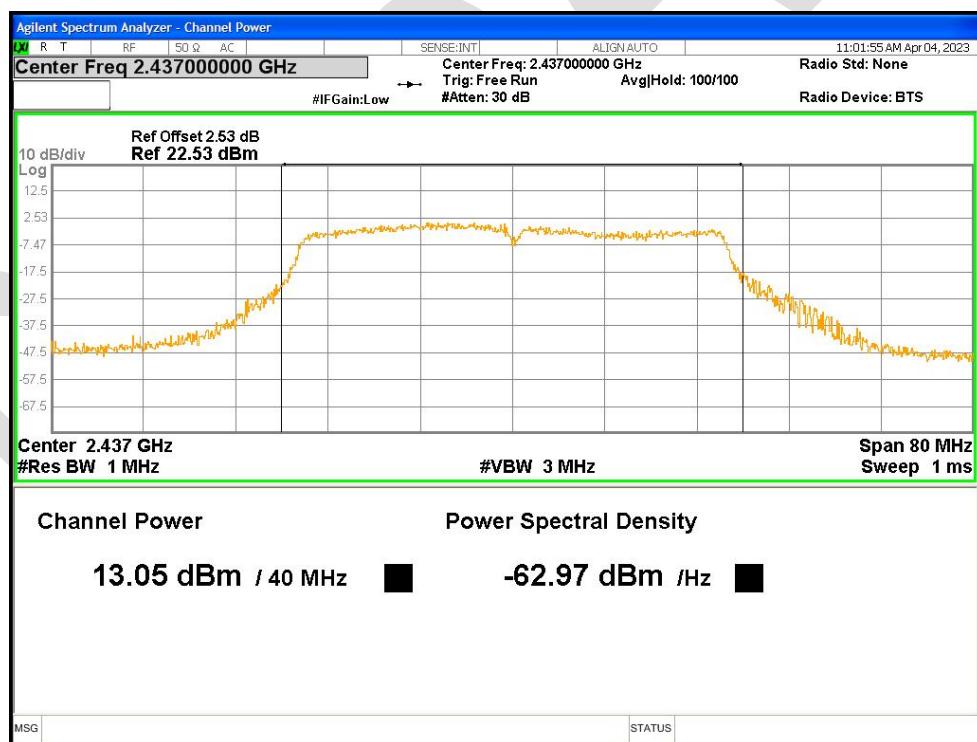
Power NVNT n20 2462MHz Ant1



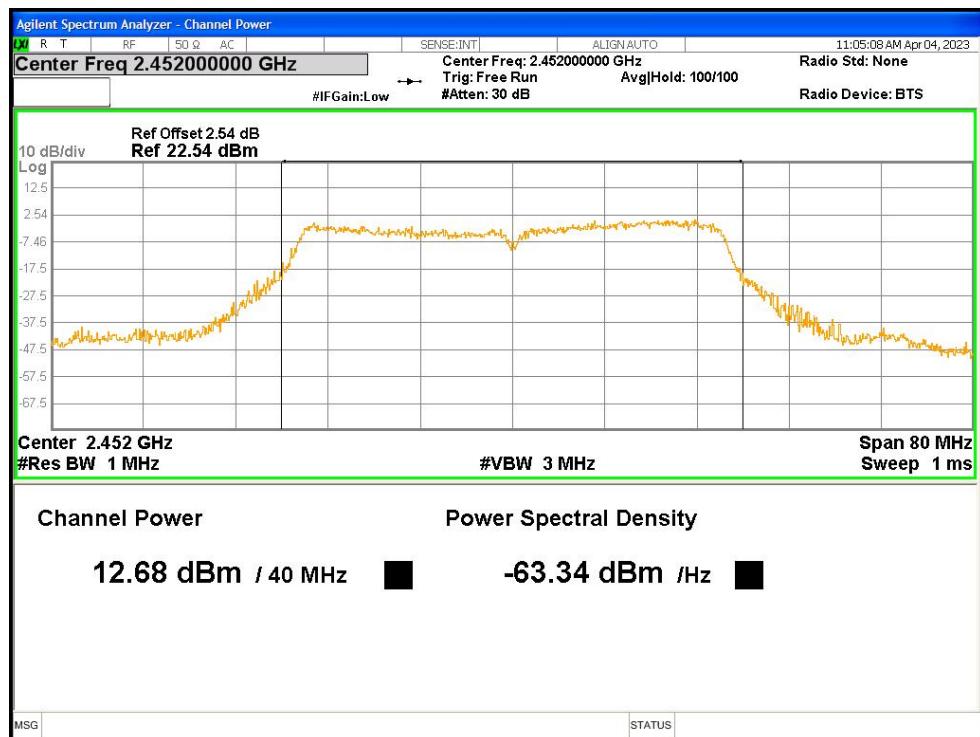
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



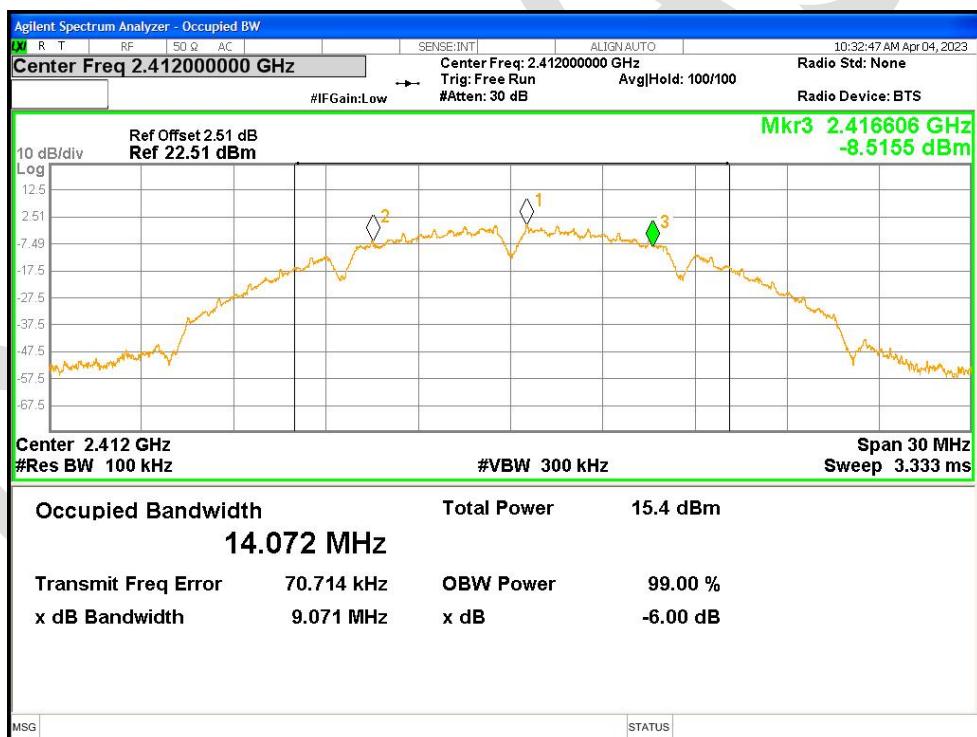
Power NVNT n40 2452MHz Ant1



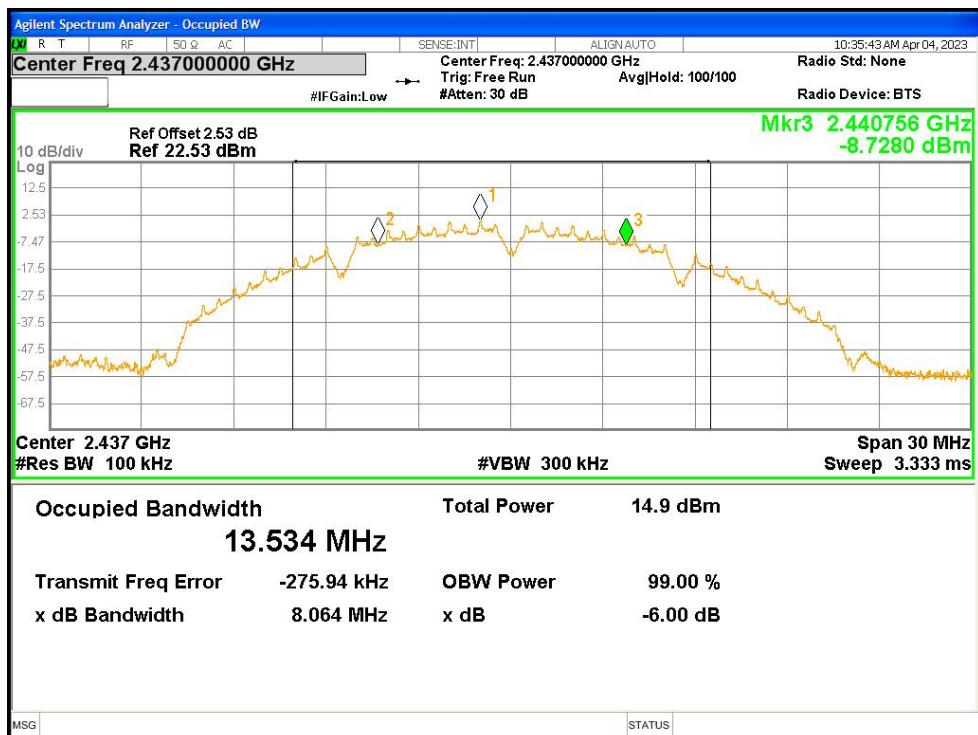
18.2 -6DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.071	0.5	Pass
NVNT	b	2437	Ant1	8.064	0.5	Pass
NVNT	b	2462	Ant1	7.089	0.5	Pass
NVNT	g	2412	Ant1	16.489	0.5	Pass
NVNT	g	2437	Ant1	15.805	0.5	Pass
NVNT	g	2462	Ant1	15.751	0.5	Pass
NVNT	n20	2412	Ant1	17.688	0.5	Pass
NVNT	n20	2437	Ant1	16.829	0.5	Pass
NVNT	n20	2462	Ant1	16.827	0.5	Pass
NVNT	n40	2422	Ant1	35.124	0.5	Pass
NVNT	n40	2437	Ant1	35.132	0.5	Pass
NVNT	n40	2452	Ant1	35.96	0.5	Pass

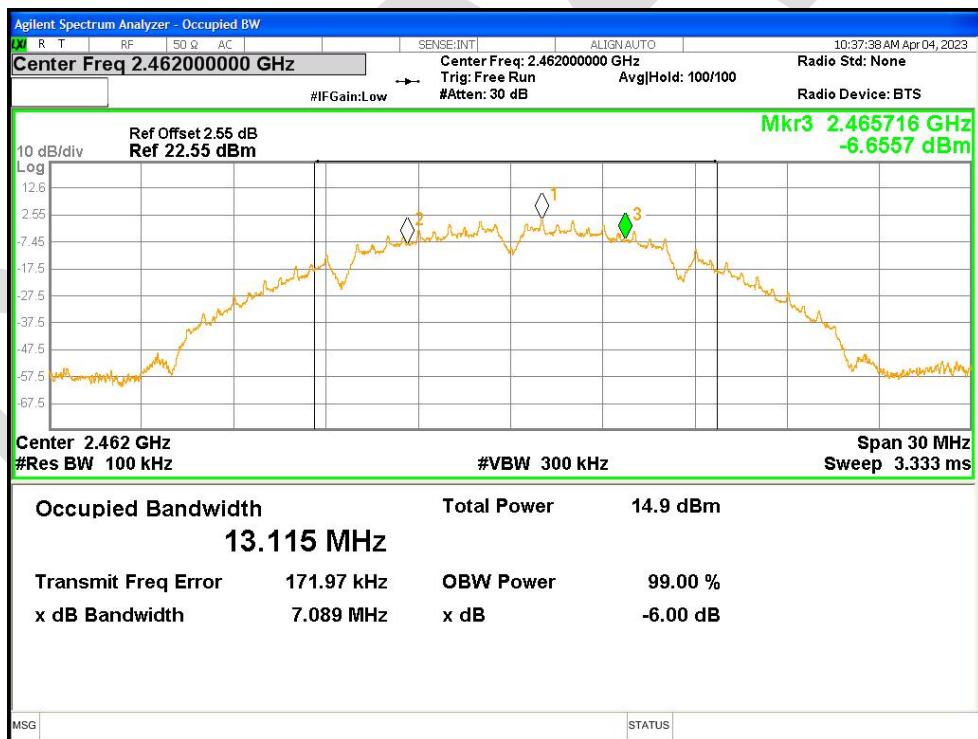
-6dB Bandwidth NVNT b 2412MHz Ant1



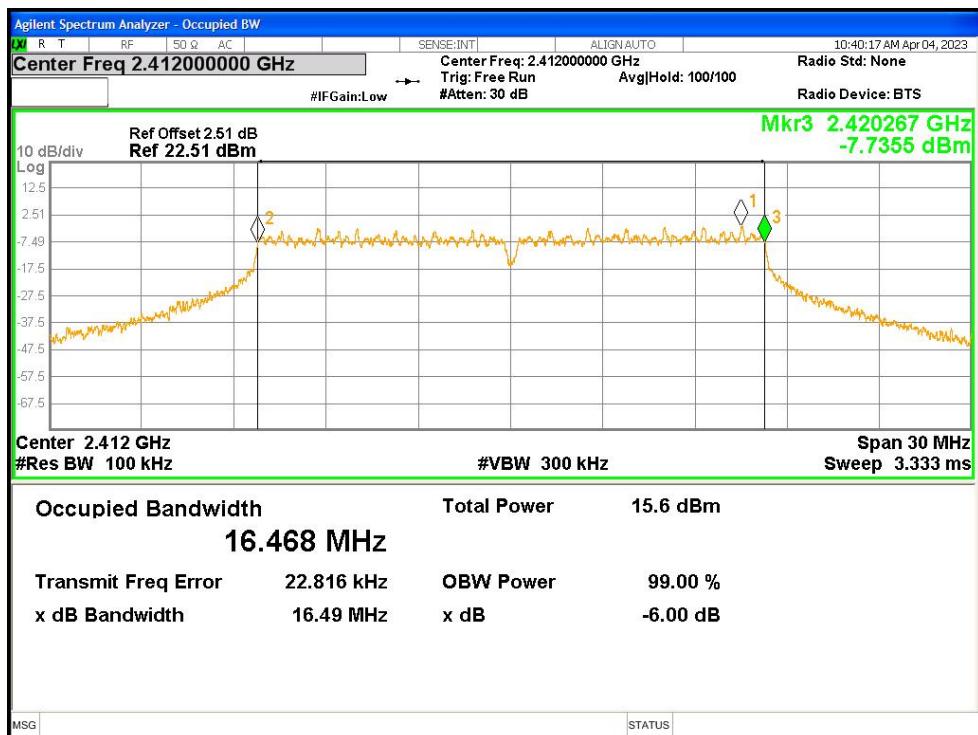
-6dB Bandwidth NVNT b 2437MHz Ant1



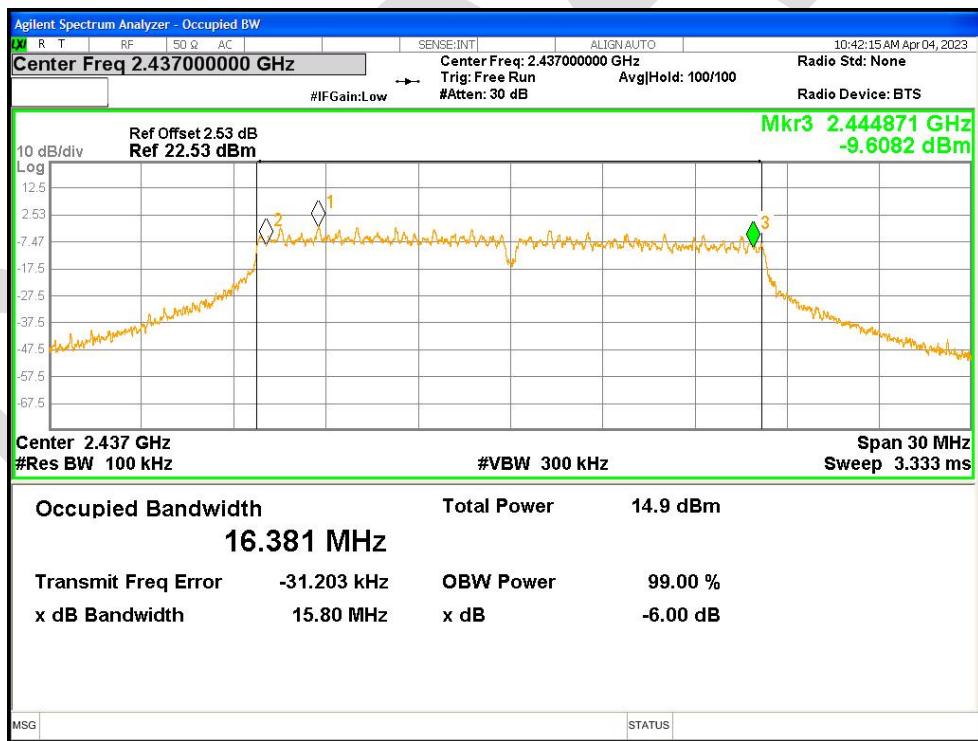
-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1