FCC RADIO TEST REPORT

FCC ID	:	**IHDT56AY2**
Equipment	:	**Mobile Cellular Phone**
Brand Name	:	**Motorola**
Model Name	:	**XT2701-3**
Applicant	:	**Motorola Mobility LLC** **222 W,Merchandise Mart Plaza,** **Chicago IL 60654 USA**
Manufacturer	:	**Motorola Mobility LLC** **222 W,Merchandise Mart Plaza,** **Chicago IL 60654 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Aug. 25, 2026 and testing was performed from Sep. 10, 2026 to Sep. 25, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010

Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **5**
1.1 Product Feature of Equipment Under Test 5
1.2 Modification of EUT 7
1.3 Testing Location 7
1.4 Applicable Standards 7
2 Test Configuration of Equipment Under Test **8**
2.1 Carrier Frequency and Channel 8
2.2 Test Mode 9
2.3 Connection Diagram of Test System 10
2.4 Support Unit used in test configuration and system 10
2.5 EUT Operation Test Setup 10
3 Test Result **11**
3.1 26dB & 99% Occupied Bandwidth Measurement 11
3.2 Maximum Conducted Output Power Measurement 12
3.3 Power Spectral Density Measurement 14
3.4 Unwanted Emissions Measurement 16
3.5 AC Conducted Emission Measurement 21
3.6 Antenna Requirements 23
4 List of Measuring Equipment **24**
5 Measurement Uncertainty **26**
Appendix A. Radiated Spurious Emission Test Result
Appendix B. Duty Cycle Plots
Appendix C. Spot Check Evaluation on IHDT56AY2
Appendix D. Original Report

History of this test report

Report No.	Version	Description	Issue Date
FR672113-02E	01	Initial issue of report	Sep. 30, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	26dB Bandwidth	Pass	See Note
3.1	2.1049	99% Occupied Bandwidth	Pass	See Note
3.2	15.407(a)	Maximum Conducted Output Power	Pass	See Note
3.3	15.407(a)	Power Spectral Density	Pass	See Note
3.4	15.407(b)	Unwanted Emissions	Pass	See Note
3.5	15.207	AC Conducted Emission	Pass	See Note
3.6	15.203	Antenna Requirement	Pass	-

Note:

1. The differences between the parent device (FCC ID: IHDT56AY1) and the variant device (FCC ID: IHDT56AY2) are detailed in the ECR document.
2. All test results were referenced from FCC ID: IHDT56AY1 (Sporton Test Report FR672113E, FZ672113). In accordance with FCC KDB 484596 D01 Referencing Test Data v03, conducted power and RSE spot-check measurements were performed on the variant device to verify the applicability of the referenced test data. The spot-check results demonstrate comparable RF performance between the parent and variant devices and support the validity of the referenced test data. Detailed results are provided in Appendix C.

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng

Report Producer: Aya Yang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/ax/be, NFC, UWB, WPT and GNSS.
Antenna Type	PIFA Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<Ant. 5>-6.50 <Ant. 4>-6.00
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	<Ant. 5>-5.60 <Ant. 4>-6.20
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	<Ant. 5>-6.00 <Ant. 4>-6.50

Remark:

1. MIMO Ant. 5+4 Directional Gain is a calculated result from MIMO Ant. 5 and MIMO Ant. 4. The formula used in calculation is documented in section 1.1.1.
2. Power of MIMO Ant. 5 + Ant. 4 is a calculated result from sum of the power MIMO Ant. 5 and MIMO Ant. 4.
3. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

EUT Information List	
IMEI	Performed Test Item
350332830018431	Conducted
350332830018951	Radiated Spurious Emission

Specification of Accessory				
Battery	**Brand Name**	Motorola(ATL)	**Model Name**	TZ70
USB Cable 1	**Brand Name**	Motorola(Saibao)	**Model Name**	SC18D86731
USB Cable 2	**Brand Name**	Motorola(Luxshare)	**Model Name**	SC18E08103

1.1.1 Antenna Directional Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

Array Gain = 10 log(NANT/NSS) dB.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

The directional gain "DG" is calculated as following table.

	Ant 5 (dBi)	Ant 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-6.50	-6.00	-6.00	-3.24	0.00	0.00
Band II	-5.60	-6.20	-5.60	-2.88	0.00	0.00
Band III	-6.00	-6.50	-6.00	-3.24	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT5}= -6.50dBi; G_{ANT4}= -6.00dBi

Directional gain of power measurement = max(-6.50, -6.00) + 0 = -6.00 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-6.50 dBi / 20) + 10^ (-6.00 dBi / 20)] ^ 2 } / 2 } = -3.24 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

The test location is accredited based on TAF code 3786 designated by NCC (National Communication Commission).

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010

FCC designation No.: TW3786

Note: The test site complies with ANSI C63.4 2014 requirement.

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC Part 15 Subpart E
- ANSI C63.10-2020 + Cor.1-2023

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40 and 802.11be EHT40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80 and 802.11be EHT80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160 and 802.11be EHT160.

2.2 Test Mode

This device supports CDD mode.

This device supports single tone RU for 802.11ax, small size RU, Large size RU and Puncturing modes for 802.11be.

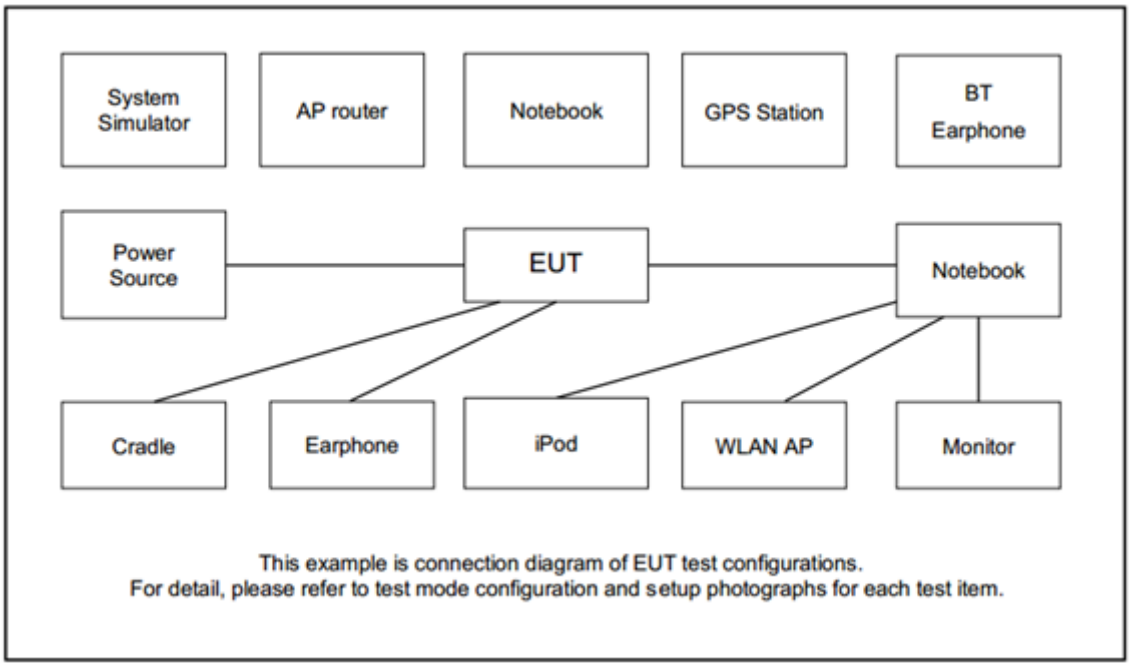
The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax/be mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The power for 802.11n, ac, ax mode is smaller than 802.11be mode, so the radiated test is covered by 802.11be mode.

In this report, the conducted output power and RSE were measured and compared with the referenced report to confirm consistency. Since the verification results met the acceptance criteria, all test results shall be referenced from the referenced report.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Bluetooth Earphone	Jlab Jbund Mini	2AHYV	N/A	N/A	N/A
3.	WLAN AP	ASUS	GT-AXE11000	N/A	N/A	Unshielded,1.8m
4.	NOTE BOOK	Dell	Latitude 3420	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT 4.0.198.1 CTL” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules **v02r01**, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

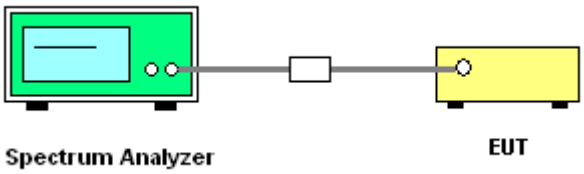
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

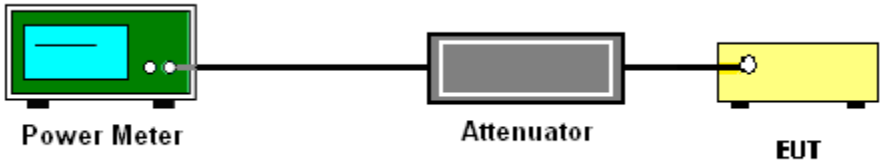
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

·Measure the duty cycle.

·Set span to encompass the entire emission bandwidth (EBW) of the signal.

·Set RBW = 1 MHz.

·Set VBW ≥ 3 MHz.

·Number of points in sweep ≥ 2 Span / RBW.

·Sweep time = auto.

·Detector = RMS

·Trace average at least 100 traces in power averaging mode.

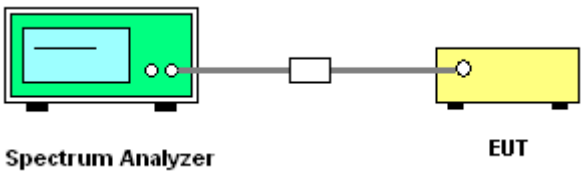
·Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table:

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: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

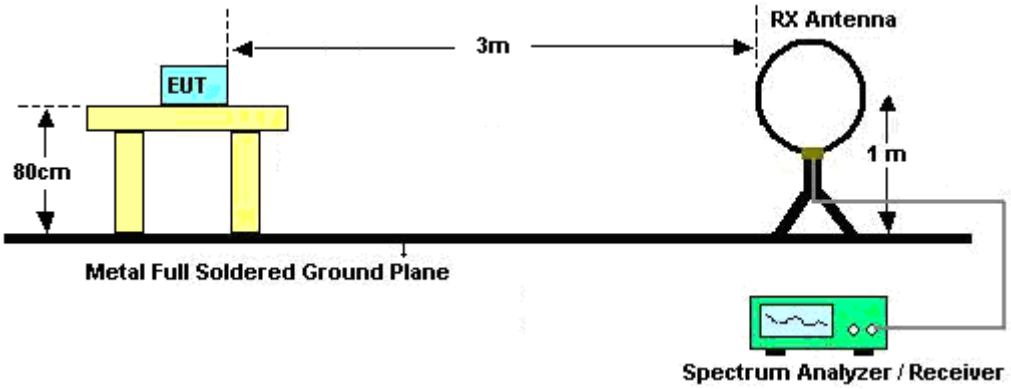
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

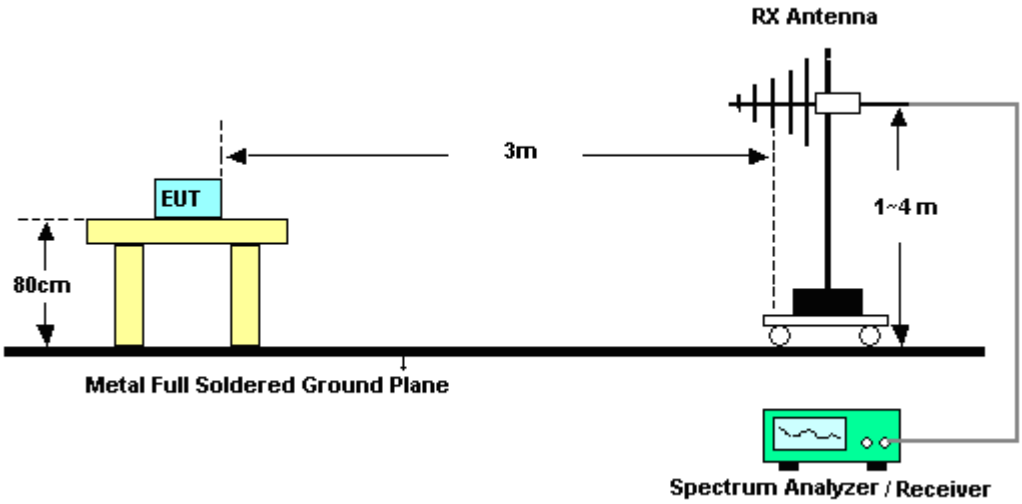
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

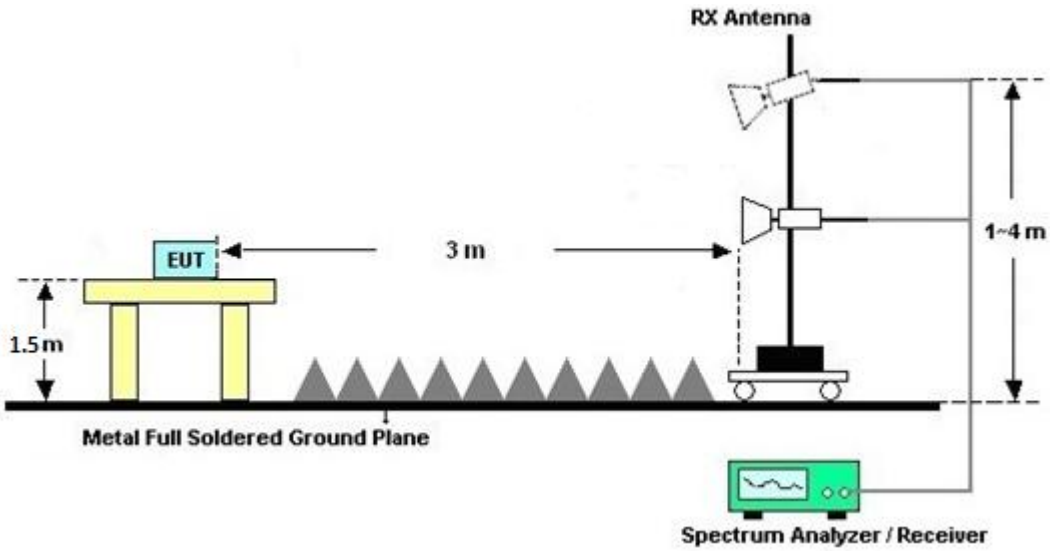
For radiated emissions below 30MHz



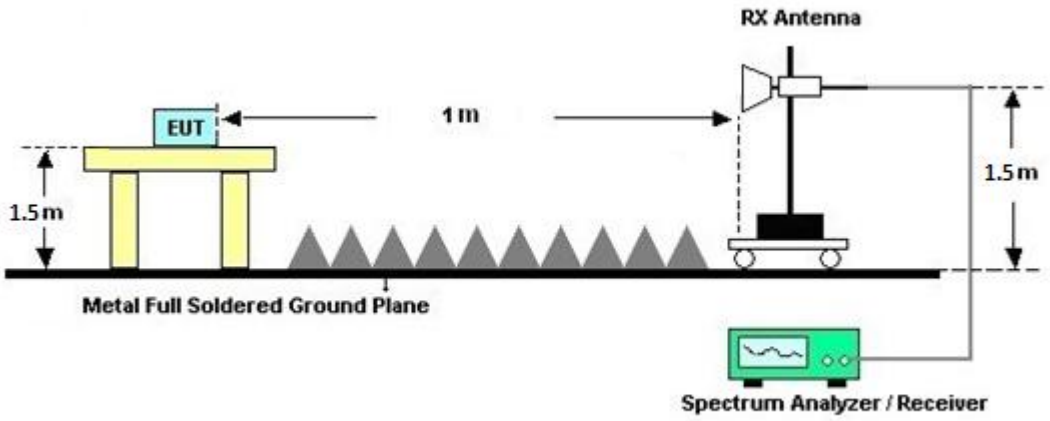
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site **v01r01**, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).

3.4.7 Duty Cycle

Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

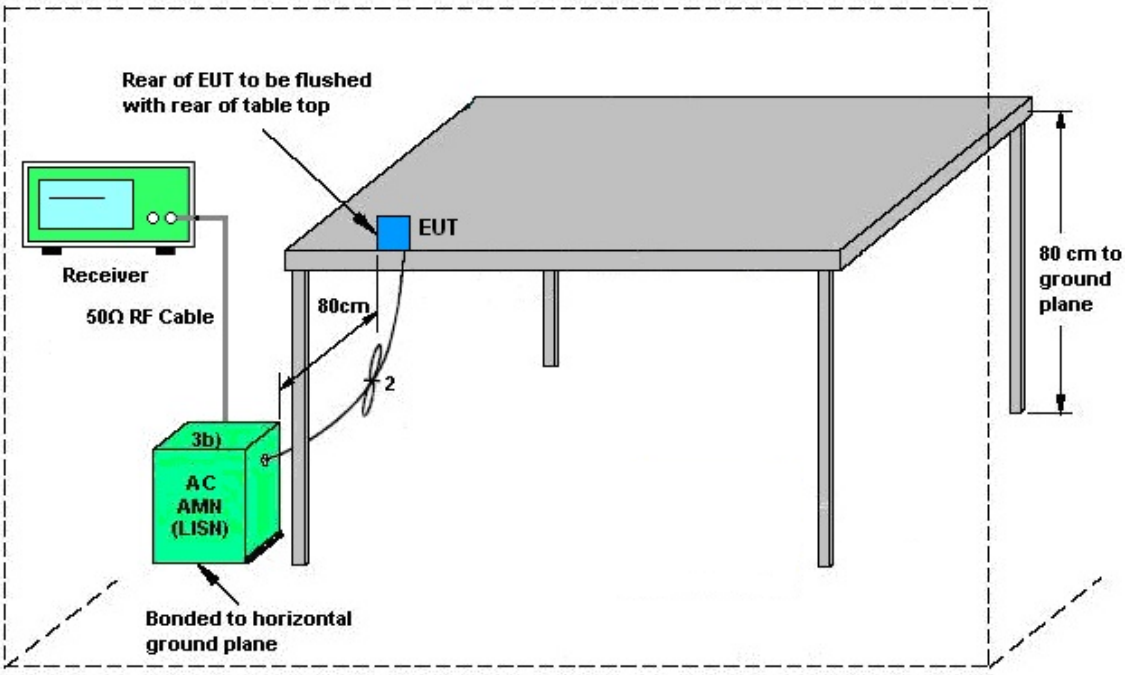
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).

3.6 Antenna Requirements

3.6.1 Standard Applicable

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 permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.6.2 Antenna Anti-Replacement Construction

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9kHz~30MHz	Dec. 11, 2025	Sep. 10, 2026~ Sep. 25, 2026	Dec.10, 2026	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1224	18GHz-40GHz	Aug. 12, 2026	Sep. 10, 2026~ Sep. 25, 2026	Aug.11, 2027	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241055	10Hz~44GHz	Nov. 18, 2025	Sep. 10, 2026~ Sep. 25, 2026	Nov.17, 2026	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Nov. 26, 2025	Sep. 10, 2026~ Sep. 25, 2026	Nov.25, 2026	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 04, 2025	Sep. 10, 2026~ Sep. 25, 2026	Oct. 03, 2026	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 26, 2026	Sep. 10, 2026~ Sep. 25, 2026	Mar. 25, 2027	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jun. 29, 2026	Sep. 10, 2026~ Sep. 25, 2026	Jun. 28, 2027	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Sep. 12, 2025	Sep. 10, 2026~ Sep. 11, 2026	Sep.11, 2026	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Sep. 11, 2026	Sep. 11, 2026~ Sep. 25, 2026	Sep.10, 2027	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 22, 2025	Sep. 10, 2026~ Sep. 25, 2026	Dec. 21,2026	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun 08, 2026	Sep. 10, 2026~ Sep. 25, 2026	Jun 07, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 13, 2026	Sep. 10, 2026~ Sep. 25, 2026	Jan. 12, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 25, 2026	Sep. 10, 2026~ Sep. 25, 2026	Jun. 24, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN27	6.75GHz High Pass Filter	Dec. 22, 2025	Sep. 10, 2026~ Sep. 25, 2026	Dec. 21,2026	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	May 13, 2026	Sep. 10, 2026~ Sep. 25, 2026	May 12, 2027	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 05, 2026	Sep. 10, 2026~ Sep. 25, 2026	Aug. 04, 2027	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40GHz	Dec. 18, 2025	Sep. 10, 2026~ Sep. 25, 2026	Dec.17, 2026	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	Sep. 10, 2026~ Sep. 25, 2026	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Sep. 10, 2026~ Sep. 25, 2026	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 10, 2026~ Sep. 25, 2026	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 10, 2026~ Sep. 25, 2026	N/A	Radiation (03CH16-HY)

Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Sep. 23, 2026~ Sep. 24, 2026	Nov. 03, 2026	Conducted (TH05-HY)
USB RF Power Sensor	DARE	RPR3006W	17I00015SNO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Sep. 23, 2026~ Sep. 24, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV3044	101466	10HZ~44GHZ	Nov. 12, 2025	Sep. 23, 2026~ Sep. 24, 2026	Nov. 11, 2026	Conducted (TH05-HY)
Switch Control Mainframe	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Dec. 29, 2025	Sep. 23, 2026~ Sep. 24, 2026	Dec. 28, 2026	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL883644	Voltage:0~20V; Current:0~5A	Nov. 14. 2025	Sep. 23, 2026~ Sep. 24, 2026	Nov. 13. 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Sep. 23, 2026~ Sep. 24, 2026	N/A	Conducted (TH05-HY)

5 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.50 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.60 dB

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.60 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.20 dB

Appendix A. Radiated Spurious Emission Test Data

Test Engineer :	Jerry Lan、Gary Guo、Steven Wu	**Temperature :**	22.8~25.2°C
		Relative Humidity :	48.2~54.3%

Note symbol

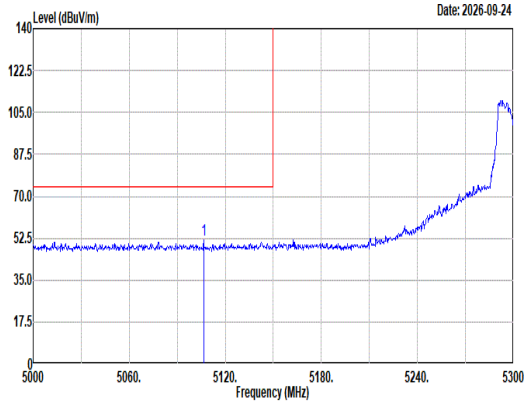
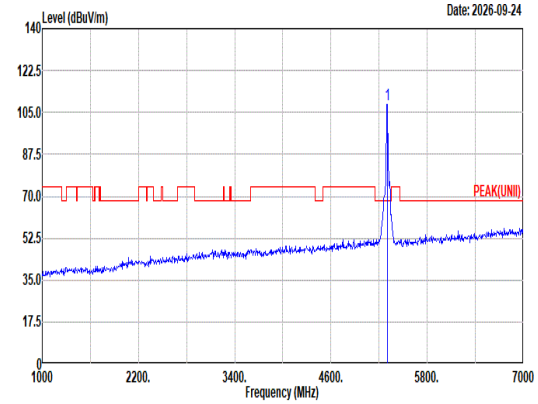
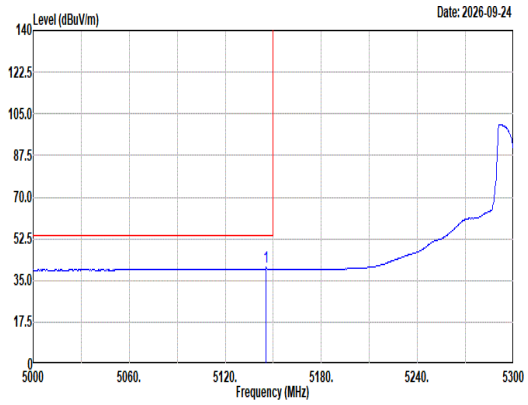
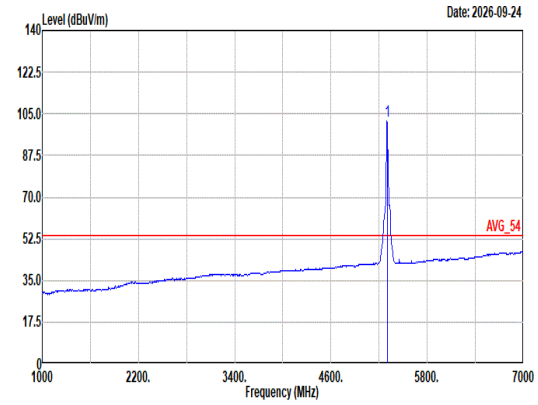
-L	**Low channel location**
-R	**High channel location**

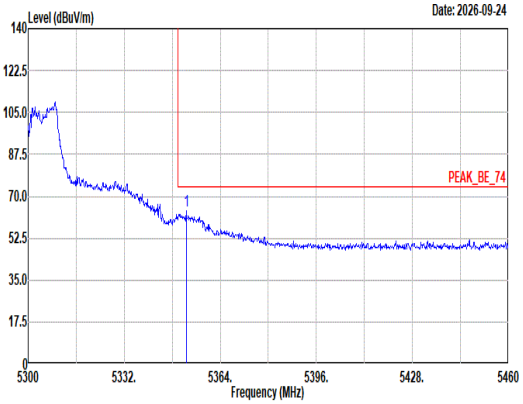
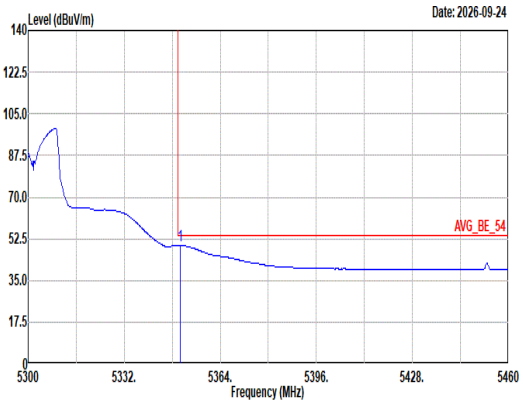
A1.1.Radiated Spurious Emission Test Modes

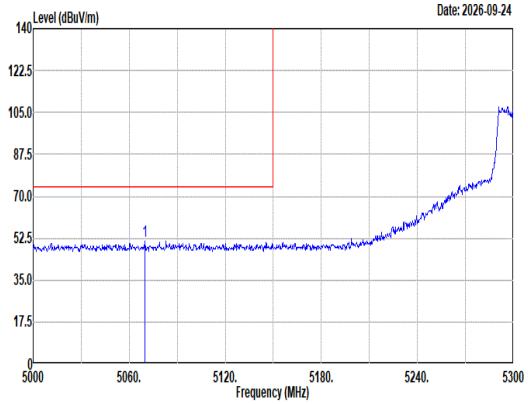
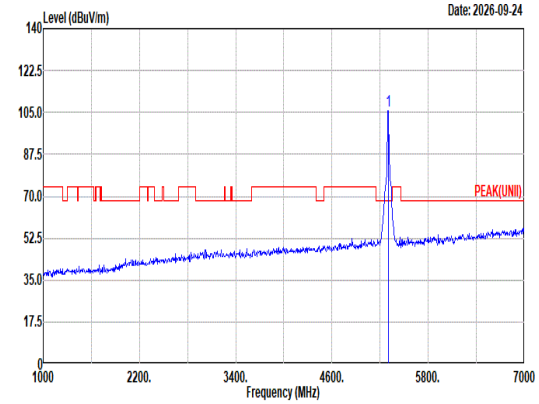
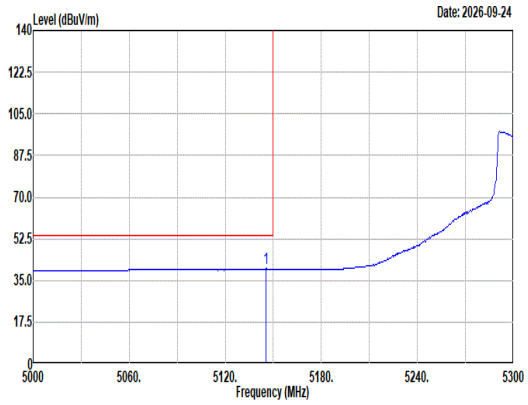
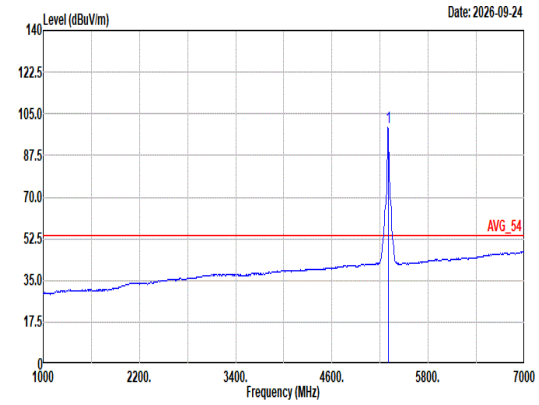
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 14	U-NII-2A	5.25-5.35	5+4	802.11be EHT20	60	5300	MCS0	Full RU	-
Mode 63	U-NII-2A	5.25-5.35	5+4	802.11be EHT20	60	5300	MCS0	Full RU	LF
Mode 65	U-NII-2A	5.25-5.35	5+4	802.11be EHT20	60	5300	MCS0	Full RU	SHF

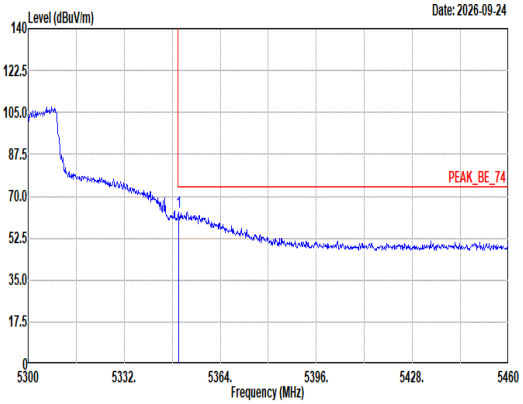
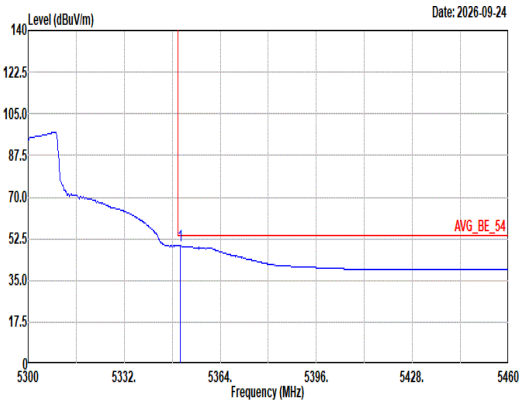
A1.2.Summary of each worse mode

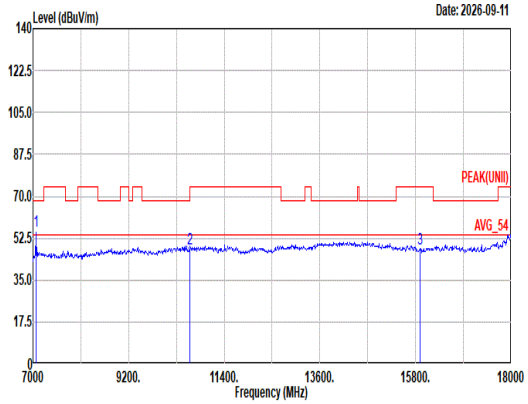
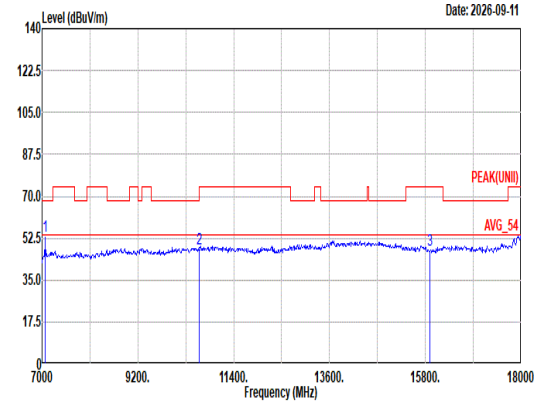
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
14	802.11be EHT20	60	5350.56	49.66	54.00	-4.34	H	Avg.	Pass	Full RU	Band Edge
	802.11be EHT20	60	7066.00	55.47	68.20	-12.73	H	Peak	Pass	Full RU	Harmonic
63	LF	60	93.05	35.28	43.50	-8.22	H	Peak	Pass	-	LF
65	SHF	60	39776.00	47.99	74.00	-26.01	H	Peak	Pass	-	SHF

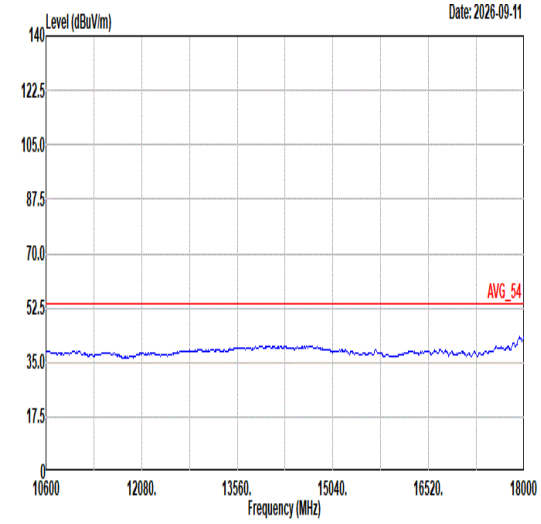
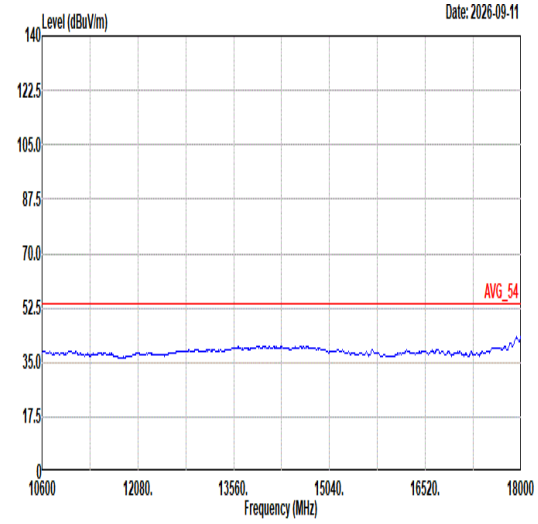
Mode	14	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE_74 3m 9120D-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5106.50 51.74 74.00 -22.26 44.14 33.01 11.48 36.89 0.00 100 0 Peak	 Site : 03CH16-HY Condition: PEAK(UNII) 3m 9120D-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5300.00 108.48 ------ ------ 100.80 32.92 11.67 36.91 0.00 100 0 Peak
Avg	 Site : 03CH16-HY Condition: AVG_BE_54 3m 9120D-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5145.50 40.42 54.00 -13.58 32.71 33.09 11.51 36.89 0.00 100 0 Average	 Site : 03CH16-HY Condition: AVG_54 3m 9120D-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5300.00 102.22 ------ ------ 94.54 32.92 11.67 36.91 0.00 100 0 Average

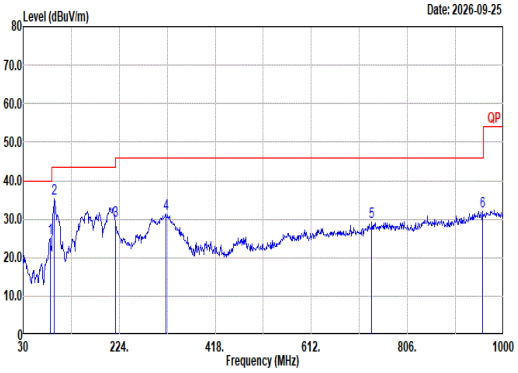
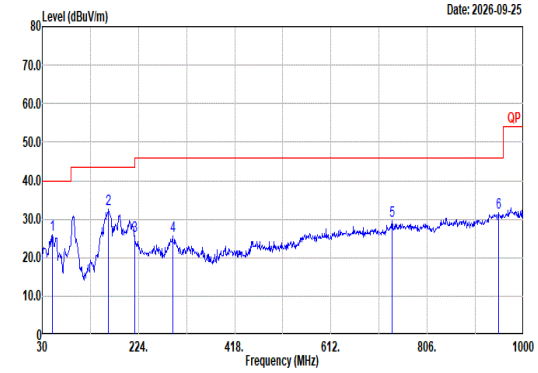
Mode	14	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE_74 3m 9120D-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.64 64.08 74.00 -9.92 56.36 32.89 11.75 36.92 0.00 100 0 Peak	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE_54 3m 9120D-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.56 49.66 54.00 -4.34 41.93 32.90 11.75 36.92 0.00 100 0 Average	Blank

Mode	14	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE_74 3m 9120D-1522_260326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5069.60 51.26 74.00 -22.74 43.69 33.00 11.46 36.89 0.00 100 200 Peak	 Site : 03CH16-HY Condition: PEAK(UNII) 3m 9120D-1522_260326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5300.00 105.88 ------ ------ 98.21 32.91 11.67 36.91 0.00 100 200 Peak
Avg	 Site : 03CH16-HY Condition: AVG_BE_54 3m 9120D-1522_260326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5145.50 39.91 54.00 -14.09 32.20 33.09 11.51 36.89 0.00 100 200 Average	 Site : 03CH16-HY Condition: AVG_54 3m 9120D-1522_260326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5300.00 99.24 ------ ------ 91.56 32.92 11.67 36.91 0.00 100 200 Average

Mode	14	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE_74 3m 9120D-1522_260326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.08 63.57 74.00 -10.43 55.84 32.90 11.75 36.92 0.00 100 200 Peak	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE_54 3m 9120D-1522_260326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.72 49.51 54.00 -4.49 41.78 32.90 11.75 36.92 0.00 100 200 Average	Blank

Mode	14	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH16-HY Condition: PEAK(UNII) 3m 9120D-1522_260326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7066.00 55.47 68.20 -12.73 70.44 36.16 13.36 65.66 1.17 100 336 Peak 2 10600.00 47.92 74.00 -26.08 58.41 38.90 16.26 66.58 0.93 -- -- Peak 3 15900.00 47.91 74.00 -26.09 56.37 37.60 19.99 66.73 0.68 -- -- Peak	 Site : 03CH16-HY Condition: PEAK(UNII) 3m 9120D-1522_260326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7066.00 53.54 68.20 -14.66 68.47 36.21 13.37 65.66 1.15 100 43 Peak 2 10600.00 47.82 68.20 -20.38 58.34 38.88 16.26 66.59 0.93 -- -- Peak 3 15900.00 47.33 74.00 -26.67 55.79 37.60 19.99 66.73 0.68 -- -- Peak

Mode	14	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Horizontal	Vertical
10.6G ~18G Avg		

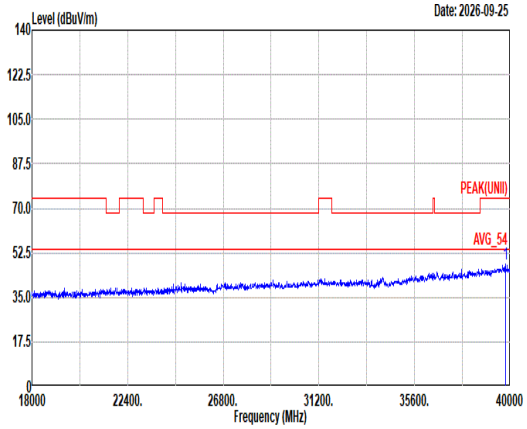
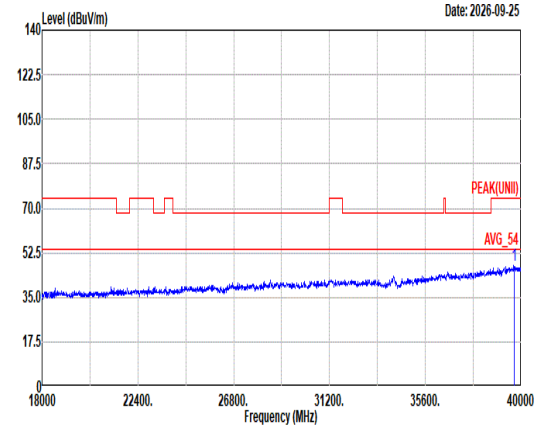
Mode	63	
	LF	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Horizontal	Vertical
QP/ Peak		

Site : 03CH16-HY
Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06_251004 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	84.32	25.14	40.00	-14.86	42.14	13.69	1.49	32.23	0.05	--	--	Peak
2	93.05	35.28	43.50	-8.22	50.98	14.82	1.57	32.14	0.05	--	--	Peak
3	216.24	29.73	46.00	-16.27	45.02	14.59	2.38	32.33	0.07	--	--	Peak
4	318.09	31.25	46.00	-14.75	41.80	19.10	2.91	32.61	0.05	--	--	Peak
5	734.22	29.29	46.00	-16.71	29.68	27.21	4.49	32.23	0.14	--	--	Peak
6	958.29	31.92	46.00	-14.08	27.81	30.30	5.15	31.56	0.22	--	--	Peak

Site : 03CH16-HY
Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06_251004 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	50.37	26.00	40.00	-14.00	42.96	14.06	1.12	32.15	0.01	--	--	Peak
2	163.86	32.74	43.50	-10.76	47.11	15.89	2.10	32.40	0.04	--	--	Peak
3	216.24	25.62	46.00	-20.38	40.91	14.59	2.38	32.33	0.07	--	--	Peak
4	292.87	25.54	46.00	-20.46	36.39	18.85	2.79	32.55	0.06	--	--	Peak
5	735.19	29.63	46.00	-16.37	29.99	27.24	4.49	32.23	0.14	--	--	Peak
6	949.56	31.63	46.00	-14.37	27.85	30.09	5.13	31.66	0.22	--	--	Peak

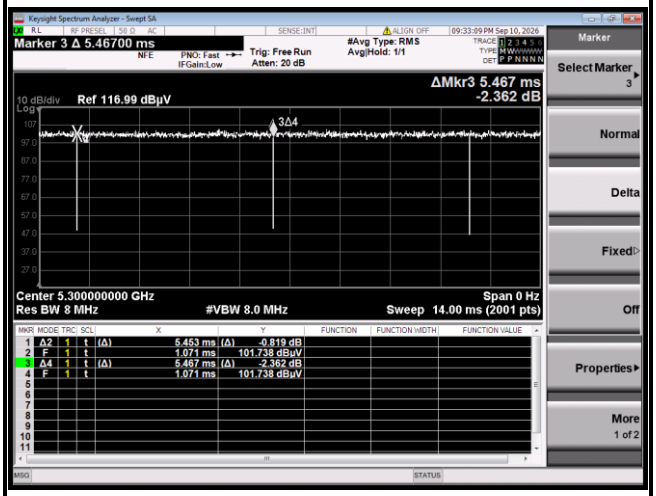
Mode	65	
	SHF	
	U-NII-2A_5.25-5.35_802.11be EHT20_CH60_Full RU_5300MHz	
ANT	5+4	
Pol.	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition: PEAK(UNII) 1m SHF_1224_260812 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 39776.00 47.99 74.00 -26.01 60.12 45.06 8.37 56.02 -9.54 -- -- Peak	 Site : 03CH16-HY Condition: PEAK(UNII) 1m SHF_1224_260812 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 39664.00 47.36 74.00 -26.64 59.41 45.30 8.33 56.14 -9.54 -- -- Peak

Appendix B. Duty Cycle Plot

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
5+4	5GHz 802.11be EHT20 Full RU	99.74	-	-	10Hz

<Ant. 5+4>

5GHz 802.11be EHT20 Full RU



Appendix C. Spot Check Evaluation on IHDT56AY2

Conclusion:

Conducted power and RSE spot-check measurements were performed on the worst-case channel identified for each band in the reference model (FCC ID: IHDT56AY1) to verify the applicability of the referenced test data in accordance with FCC KDB 484596 D01 Referencing Test Data v03.

Spot checks of conducted power and RSE were performed in this report as specified in the ECR document. The spot-check results demonstrate comparable RF performance between the parent device and the variant device, with all observed differences within the acceptance criterion of 3 dB. All test results were referenced from FCC ID: IHDT56AY1 (Sporton Test Report FR672113E, FZ672113). Therefore, all referenced test data are considered representative of the variant device.

Test Item	Mode	IHDT56AY1 Parent Worst mode Test Result	IHDT56AY2 Variant Check Test Result	Deviation (dB)	Deviation Limit (dB)
Conducted Power (dBm)	Average power				
	11a, 5.2GHz CH48	20.42	20.40	0.02	3
	11a, 5.3GHz CH60	20.18	20.15	0.03	3
	11a, 5.5GHz CH100	20.35	20.31	0.04	3
	11be20, 5.2GHz CH44	21.14	21.09	0.05	3
	11be20, 5.3GHz CH52	21.25	21.24	0.01	3
	11be20, 5.5GHz CH116	20.91	20.88	0.03	3
	11be40, 5.2GHz CH46	21.23	21.18	0.05	3
	11be40, 5.3GHz CH54	20.46	20.40	0.06	3
	11be40, 5.5GHz CH110	22.11	22.04	0.07	3
	11be80, 5.2GHz CH42	18.92	18.90	0.02	3
	11be80, 5.3GHz CH58	18.94	18.93	0.01	3
	11be80, 5.5GHz CH122	21.23	21.20	0.03	3
	11 be160, 5.3GHz CH50	20.44	19.98	0.46	3
	11 be160, 5.5GHz CH114	19.49	19.44	0.05	3

Test Item	Mode	IHDT56AY1 Parent Worst mode Test Result(dB)	IHDT56AY2 Variant Check Test Result(dB)	Deviation (dB)	Deviation Limit (dB)
Radiated Spurious Emission	WIFI 5G (11be EHT80_CH155)	-3.17	-5.70	2.53	3

Test Items	Remark
26dB Bandwidth	Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).
99% Occupied Bandwidth	Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).
Maximum Conducted Output Power	Spot Check Evaluation
Power Spectral Density	Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).
Unwanted Emissions	Spot Check Evaluation
AC Conducted Emission	Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FR672113E).
Dynamic Frequcney Selection	Please refer to FCC ID: IHDT56AY1 (Sporton Test Report FZ672113).

Appendix D. Original Report