



FCC RADIO TEST REPORT

FCC ID : 2AHKN-TYTODEV
Equipment : TytoCare Device G3 with Tyto Stethoscope, Tyto Thermometer, Tyto Exam Camera, Tyto Otoscope
Brand Name : TytoHome™
Model Name : TytoCare Device G3
Marketing Name : TytoHome
Applicant : Tyto Care Ltd
14 Beni Ga'on Street, Netanya Israel 4250803
Manufacturer : Tyto Care Ltd
14 Beni Ga'on Street, Netanya Israel 4250803
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jun. 02, 2025 and testing was performed from Jun. 16, 2025 to Jun. 26, 2025. 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 partial 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.

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR531437D	01	Initial issue of report	Sep. 11, 2025
FR531437D	02	Revise Appendix A This report is an updated version, replacing the report issued on Sep. 11, 2025.	Sep. 25, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
3.2	15.407(b)	Unwanted Emissions	Pass	-
3.3	15.203	Antenna Requirement	Pass	-

Note:

1. Spot-check testing on unwanted (spurious) radiated emissions is carried out on the worst-case modulation and channel per frequency range as shown in original filing of the certified module (FCC ID: TLZ-CM467).
2. The test plans were by manufacturer definition.

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/manufacture 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: Steve Chen

Report Producer: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, and Wi-Fi 5GHz 802.11a/n/ac.
Antenna Type	WLAN: PCB Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	3.43
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	3.49
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	3.35
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	3.30

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	TH05-HY, 03CH21-HY

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

FCC designation No.: TW3786



1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2013

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

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 find Y plane with Adapter for Band 1-3 and X plane with Adapter for Band 4 as worst plane.

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		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151 [*]	5755	159 [*]	5795
	153	5765	161	5805
	155 [#]	5775	165	5825

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80.

2.2 Test Mode

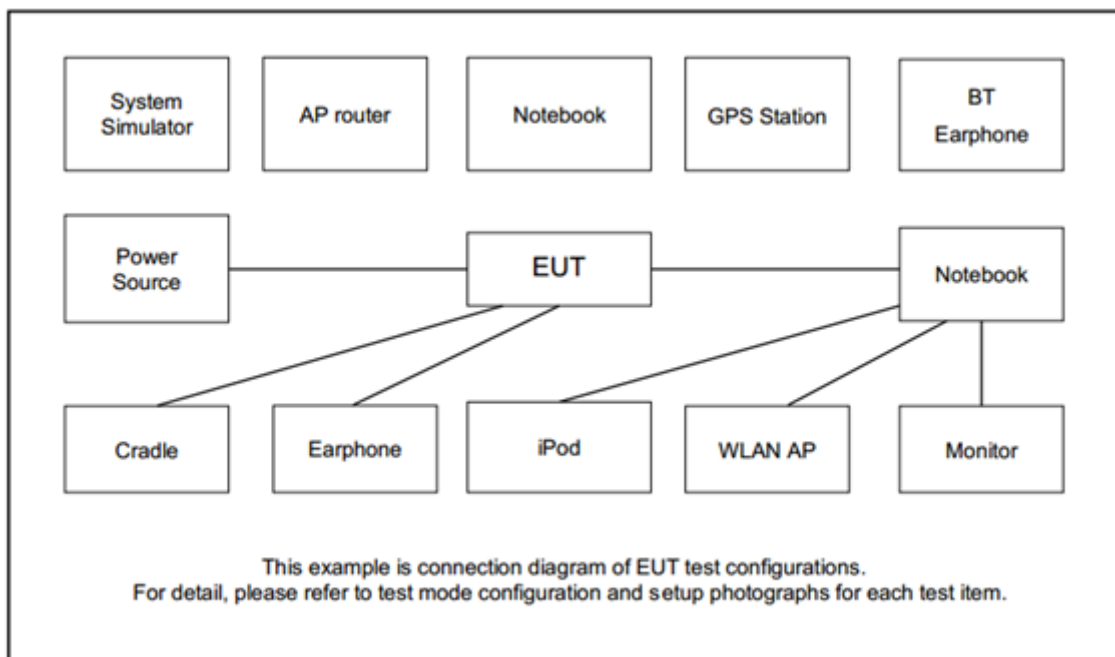
The final test modes include the worst data rates for each modulation shown in the table below.

Modulation	Data Rate
802.11a	6 Mbps
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Remark:

1. For Radiated Test Cases, the tests were performed with USB Cable 2 and Sample 1
2. The detailed Radiated test modes are shown in Appendix B.

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.	Notebook	Lenovo	IdeaPad Gaming 3 15IHU6	PD9AX201NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Adapter	Lenovo	C-P32	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "Tera Term v4.89" 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 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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.

For the band 5.725–5.85 GHz bands:

■ The maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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.

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

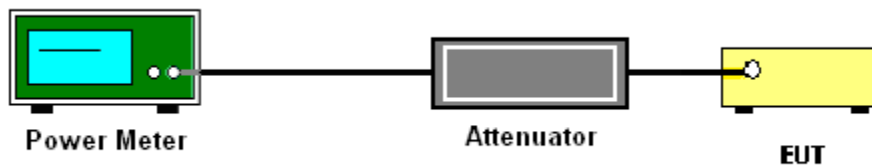
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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.

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

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

3.2.1 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.

For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (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.

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

EIRP (dBm)	Field Strength at 3m (dB μ V/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.2.2 Measuring Instruments

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

3.2.3 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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

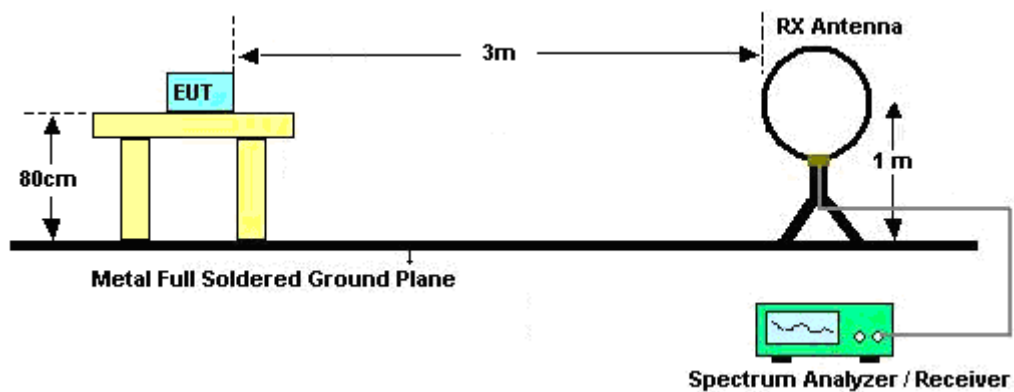
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq$ 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.

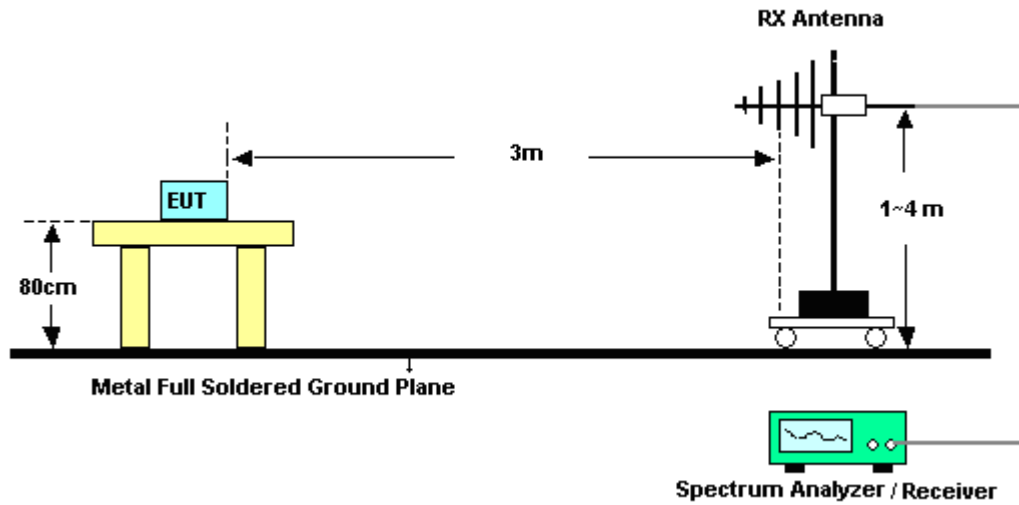
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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 “-”.

3.2.4 Test Setup

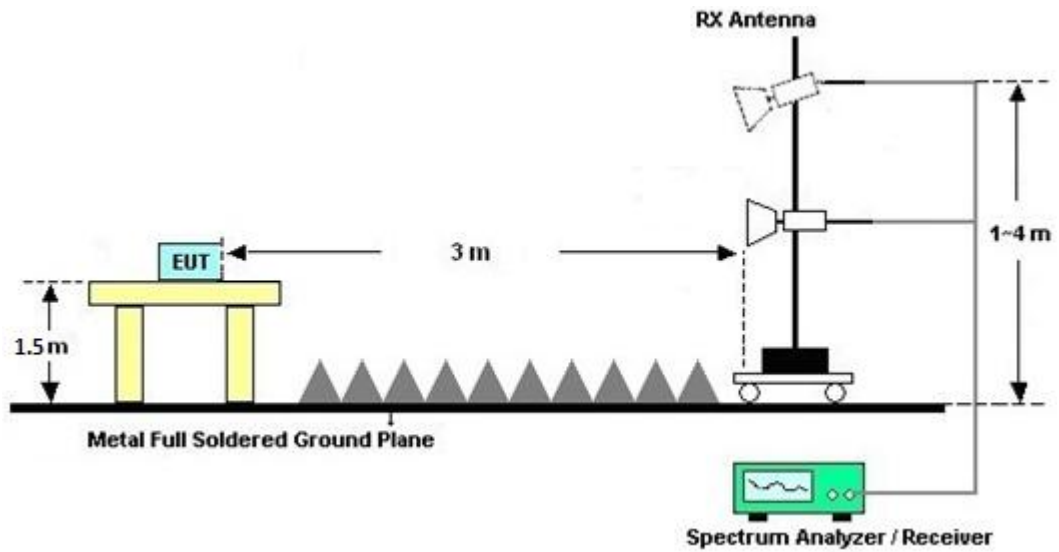
For radiated emissions below 30MHz



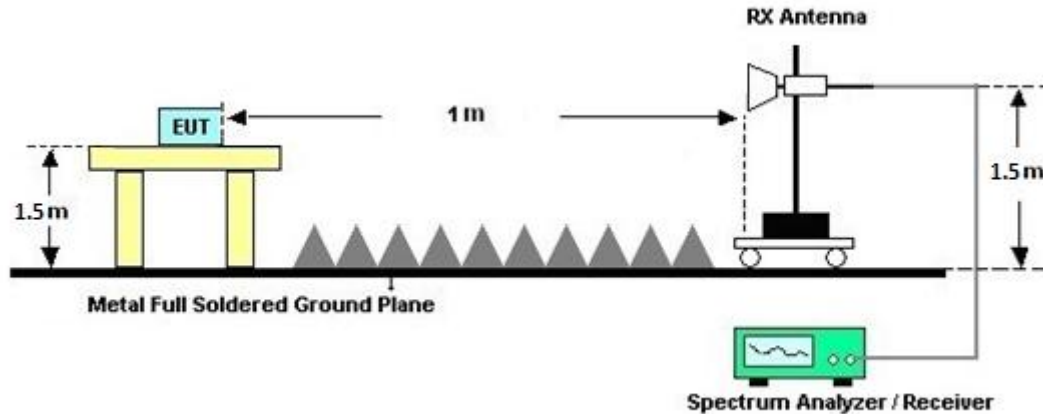
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.2.5 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.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B.

3.2.7 Duty Cycle

Please refer to Appendix C.

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

Please refer to Appendix B.



3.3 Antenna Requirements

3.3.1 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.

3.3.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEP	DTM-303A	TP201996	N/A	Nov. 01, 2024	Jun. 16, 2025	Oct. 30, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13100030S NO31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Jun. 16, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Jun. 16, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC190015 7 (BOX6)	N/A	Feb. 10, 2025	Jun. 16, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final _version_240 513	N/A	Conducted Other Test Item	N/A	Jun. 16, 2025	N/A	Conducted (TH05-HY)
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Aug. 28, 2025	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Dec. 17, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Dec. 16, 2025	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A1 8EN	1GHz~18GHz	Jul. 11, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Jul. 10, 2025	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1230	18GHz~40GHz	Oct. 25, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Oct. 24, 2025	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 14, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Jul. 13, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 27, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Sep. 26, 2025	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Sep. 01, 2025	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY621703 58	10Hz~44GHz	Sep. 06, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Sep. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 05, 2025	Jun. 17, 2025 ~ Jun. 26, 2025	Mar. 04, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,8 04612/2,80 3954/2	30MHz~40GHz	Aug. 12, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Aug. 11, 2025	Radiation (03CH21-HY)
Hygrometer	TECEP	DTM-303A	TP211568	N/A	Oct. 21, 2024	Jun. 17, 2025 ~ Jun. 26, 2025	Oct. 20, 2025	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 17, 2025 ~ Jun. 26, 2025	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Jun. 17, 2025 ~ Jun. 26, 2025	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jun. 17, 2025 ~ Jun. 26, 2025	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-00105 3	N/A	N/A	Jun. 17, 2025 ~ Jun. 26, 2025	N/A	Radiation (03CH21-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	6.60 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.00 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.70 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.30 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2025/6/13	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	15.35	-	-	24.00	-	3.43	-	-	Pass
VHT20	MCS0	1	36	5180	15.08	-		24.00	-	3.43	-		Pass
VHT40	MCS0	1	38	5190	10.62	-		24.00	-	3.43	-		Pass
VHT80	MCS0	1	42	5210	10.15	-		24.00	-	3.43	-		Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	19.24	-	-	23.98	-	3.49	-	30	Pass
11a	6Mbps	1	64	5320	15.10	-		23.98	-	3.49	-	30	Pass
VHT20	MCS0	1	60	5300	18.60	-		23.98	-	3.49	-	30	Pass
VHT20	MCS0	1	64	5320	14.68	-		23.98	-	3.49	-	30	Pass
VHT40	MCS0	1	62	5310	12.58	-		23.98	-	3.49	-	30	Pass
VHT80	MCS0	1	58	5290	10.89	-		23.98	-	3.49	-	30	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	13.52	-	-	23.98	-	3.35	-	30	Pass
VHT20	MCS0	1	100	5500	12.99	-		23.98	-	3.35	-	30	Pass
VHT40	MCS0	1	102	5510	12.04	-		23.98	-	3.35	-	30	Pass
VHT80	MCS0	1	106	5530	11.99	-		23.98	-	3.35	-	30	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	18.58	-	-	30.00	-	3.30	-	Pass
VHT20	MCS0	1	149	5745	18.49	-		30.00	-	3.30	-	Pass
VHT40	MCS0	1	151	5755	17.23	-		30.00	-	3.30	-	Pass
VHT40	MCS0	1	159	5795	19.23	-		30.00	-	3.30	-	Pass
VHT80	MCS0	1	155	5775	14.00	-		30.00	-	3.30	-	Pass



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Fred Tseng, Ray Lung, and Sky Chang	Temperature(°C):	18 ~ 23
		Relative Humidity(%):	50 ~ 65

Note symbol

-L	Low channel location
-R	High channel location

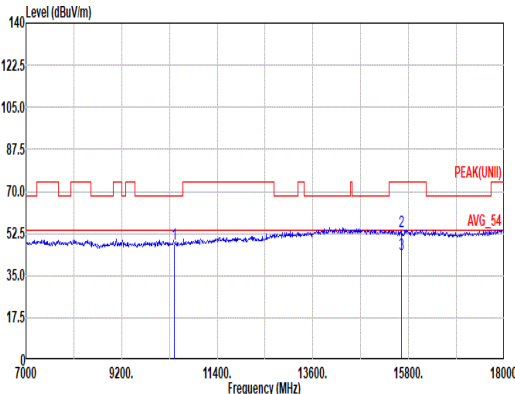
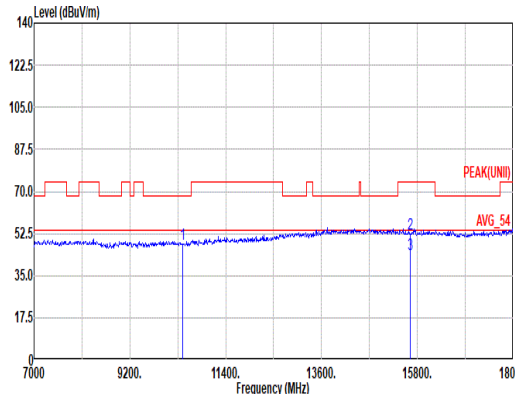
B1-1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	1 TX	802.11ac VHT80	42	5210	MCS0	-	-
Mode 2	U-NII-2A	5.25-5.35	1 TX	802.11ac VHT20	60	5300	MCS0	-	-
Mode 3	U-NII-2A	5.25-5.35	1 TX	802.11ac VHT20	60	5300	MCS0	-	LF
Mode 4	U-NII-2A	5.25-5.35	1 TX	802.11ac VHT20	60	5300	MCS0	-	SHF

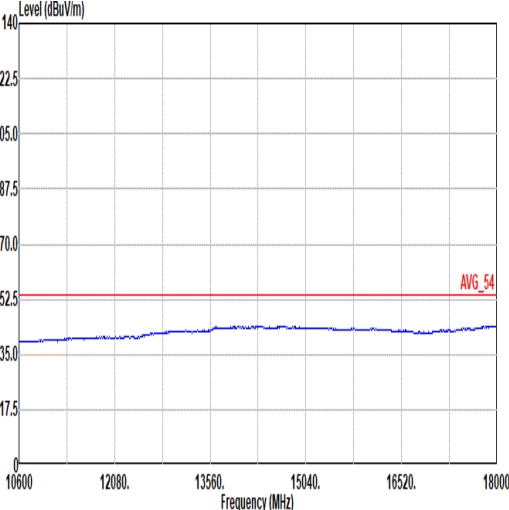
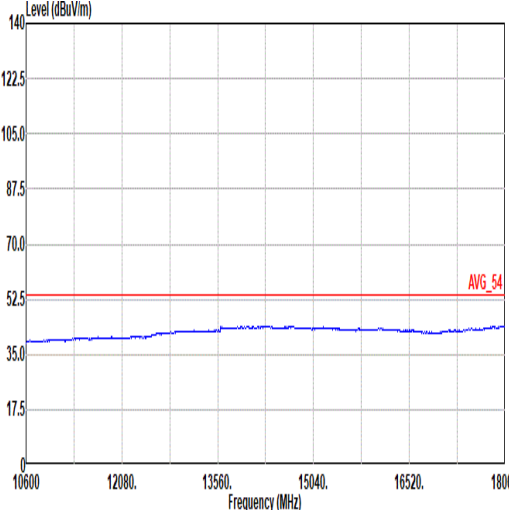
B1-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11ac VHT80	42	-	-	-	-	-	-	-	-	Band Edge
	802.11ac VHT80	42	15630.00	43.69	54.00	-10.31	V	Avg.	Pass	-	Harmonic
2	802.11ac VHT20	60	5350.08	53.82	54.00	-0.18	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	60	-	-	-	-	-	-	-	-	Harmonic
3	LF	60	31.94	29.19	40.00	-10.81	V	Peak	Pass	-	LF
4	SHF	60	39482.86	41.83	54.00	-12.17	H	Avg.	Pass	-	SHF

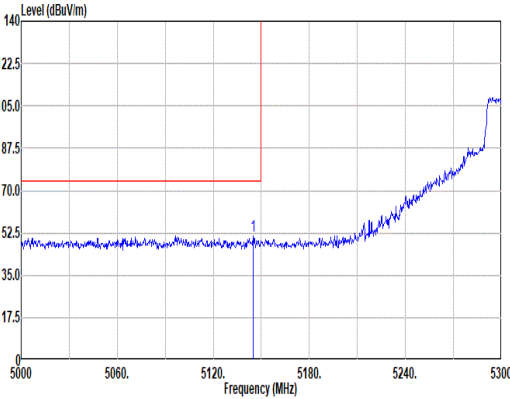
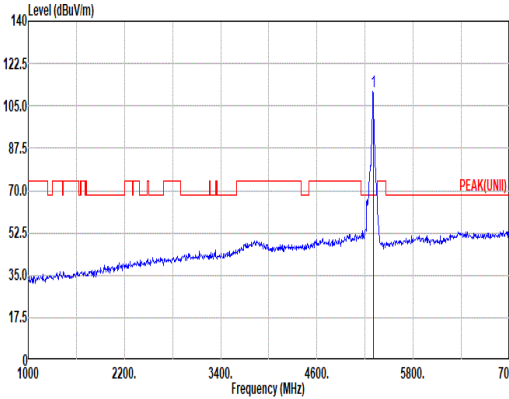
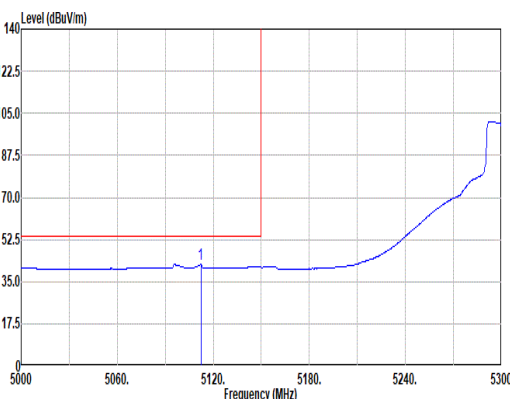
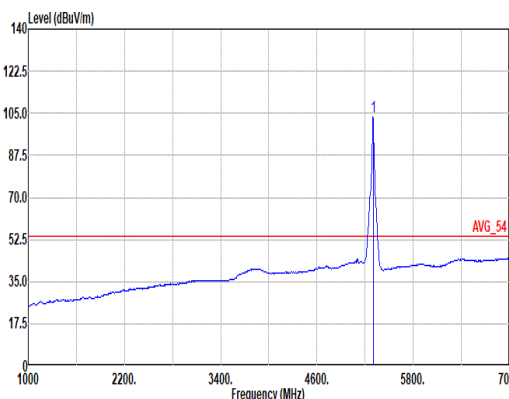


Mode	1																																																																																																																																							
	Harmonic																																																																																																																																							
	U-NII-1_5.15-5.25_802.11ac VHT80_CH42_5210MHz																																																																																																																																							
ANT	1 TX																																																																																																																																							
Pol.	Horizontal	Vertical																																																																																																																																						
Peak Avg	 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>10420.00</td><td>48.31</td><td>68.20</td><td>-19.89</td><td>31.68</td><td>37.20</td><td>18.59</td><td>39.96</td><td>0.80</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>15630.00</td><td>53.43</td><td>74.00</td><td>-20.57</td><td>34.94</td><td>40.58</td><td>22.86</td><td>45.53</td><td>0.58</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>15630.00</td><td>43.62</td><td>54.00</td><td>-10.38</td><td>25.13</td><td>40.58</td><td>22.86</td><td>45.53</td><td>0.58</td><td>--</td><td>Average</td></tr></tbody></table>		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	cm	deg	1	10420.00	48.31	68.20	-19.89	31.68	37.20	18.59	39.96	0.80	--	Peak	2	15630.00	53.43	74.00	-20.57	34.94	40.58	22.86	45.53	0.58	--	Peak	3	15630.00	43.62	54.00	-10.38	25.13	40.58	22.86	45.53	0.58	--	Average	 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_240711 VERTICAL <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>10420.00</td><td>48.29</td><td>68.20</td><td>-19.91</td><td>31.66</td><td>37.20</td><td>18.59</td><td>39.96</td><td>0.80</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>15630.00</td><td>52.56</td><td>74.00</td><td>-21.44</td><td>34.07</td><td>40.58</td><td>22.86</td><td>45.53</td><td>0.58</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>15630.00</td><td>43.69</td><td>54.00</td><td>-10.31</td><td>25.20</td><td>40.58</td><td>22.86</td><td>45.53</td><td>0.58</td><td>--</td><td>Average</td></tr></tbody></table>		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	cm	deg	1	10420.00	48.29	68.20	-19.91	31.66	37.20	18.59	39.96	0.80	--	Peak	2	15630.00	52.56	74.00	-21.44	34.07	40.58	22.86	45.53	0.58	--	Peak	3	15630.00	43.69	54.00	-10.31	25.20	40.58	22.86	45.53	0.58	--	Average
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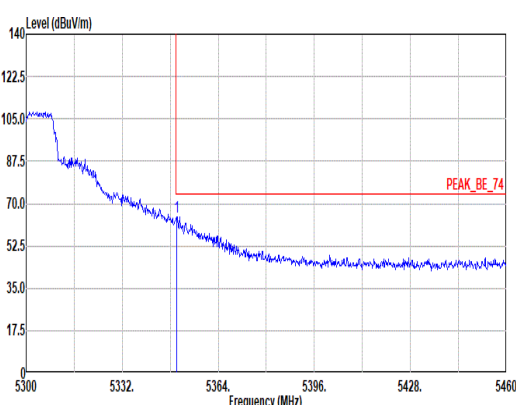
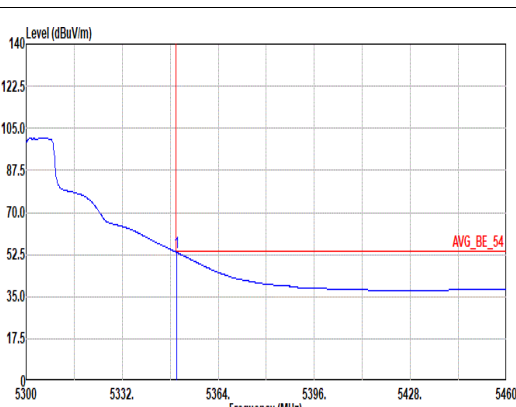


Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ac VHT80_CH42_5210MHz	
ANT	1 TX	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_240711 VERTICAL

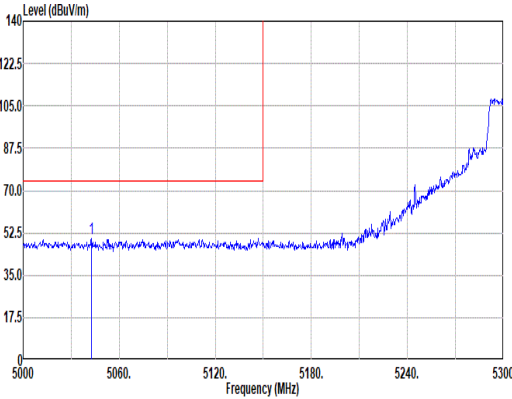
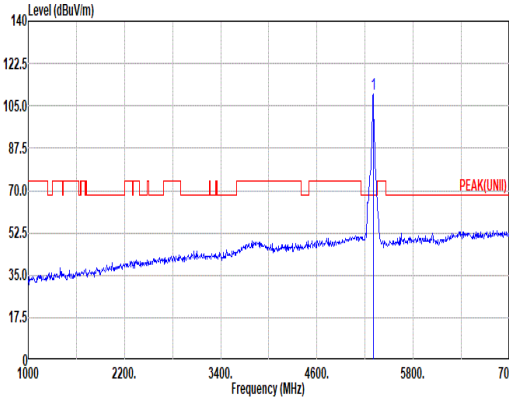
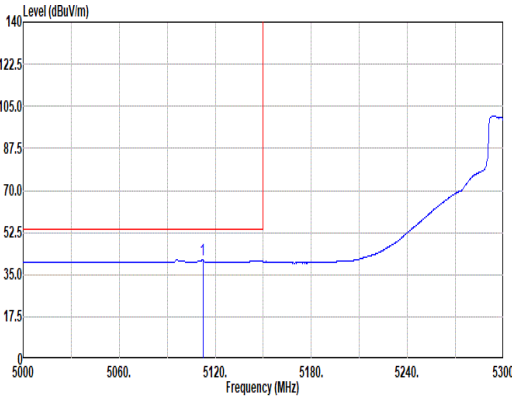
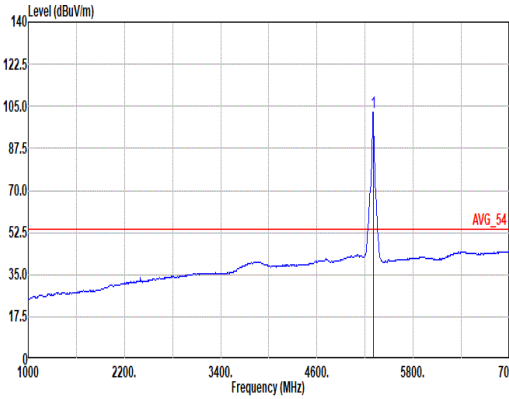


Mode	2																																																																																																		
	Band Edge - L																																																																																																		
	U-NII-2A_5.25-5.35_802.11ac VHT20_CH60_5300MHz																																																																																																		
ANT	1 TX																																																																																																		
Pol.	Horizontal						Fundamental																																																																																												
Peak																																																																																																			
	Site : 03CH21-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5144.90</td><td>51.35</td><td>74.00</td><td>-22.65</td><td>40.13</td><td>32.69</td><td>13.03</td><td>34.50</td><td>0.00</td><td>280</td><td>327</td><td>Peak</td></tr></table>							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	cm	deg	1	5144.90	51.35	74.00	-22.65	40.13	32.69	13.03	34.50	0.00	280	327	Peak	Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5300.00</td><td>111.05</td><td>-----</td><td>-----</td><td>100.36</td><td>32.31</td><td>13.20</td><td>34.82</td><td>0.00</td><td>280</td><td>327</td><td>Peak</td></tr></table>							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	cm	deg	1	5300.00	111.05	-----	-----	100.36	32.31	13.20	34.82	0.00	280	327
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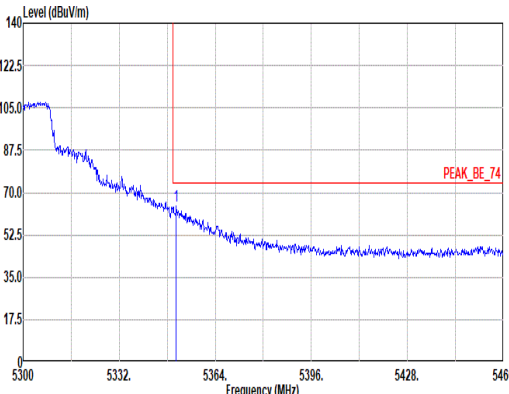
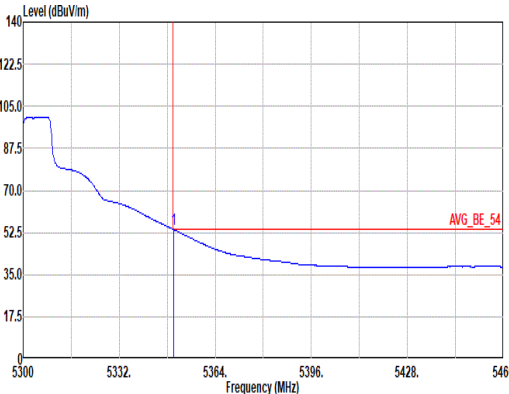


Mode	2																																																						
	Band Edge - R																																																						
	U-NII-2A_5.25-5.35_802.11ac VHT20_CH60_5300MHz																																																						
ANT	1 TX																																																						
Pol.	Horizontal						Fundamental																																																
Peak	 Site : 03CH21-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5358.24</td><td>64.55</td><td>74.00</td><td>-9.45</td><td>53.93</td><td>32.30</td><td>13.26</td><td>34.94</td><td>0.00</td><td>280</td><td>327</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level	Factor	Loss Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5358.24	64.55	74.00	-9.45	53.93	32.30	13.26	34.94	0.00	280	327	Peak	Blank				
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	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																													
1	5358.24	64.55	74.00	-9.45	53.93	32.30	13.26	34.94	0.00	280	327	Peak																																											
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2	110.51	27.42	43.50	-16.08	41.41	16.85	1.80	32.68	0.04	-- Peak																																																																																																				
3	259.89	20.45	46.00	-25.55	30.02	20.18	2.81	32.63	0.07	-- Peak																																																																																																				
4	514.03	25.71	46.00	-20.29	30.27	24.18	3.97	32.84	0.13	-- Peak																																																																																																				
5	756.53	30.04	46.00	-15.96	29.43	28.30	4.83	32.67	0.15	-- Peak																																																																																																				
6	952.47	34.37	46.00	-11.63	28.75	31.35	5.46	31.39	0.20	-- Peak																																																																																																				



Mode	4																																																																																																																																								
	SHF																																																																																																																																								
	U-NII-2A_5.25-5.35_802.11ac VHT20_CH60_5300MHz																																																																																																																																								
ANT	1 TX																																																																																																																																								
Pol.	Horizontal	Vertical																																																																																																																																							
Peak	Level (dBuV/m) Date: 2025-06-25 Site : 03CH21-HY Condition: PEAK(UNII) 1m BBHA9170_1230_241025 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>24631.15</td><td>41.23</td><td>68.20</td><td>-26.97</td><td>42.66</td><td>39.24</td><td>29.02</td><td>60.15</td><td>-9.54</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>39482.86</td><td>52.01</td><td>74.00</td><td>-21.99</td><td>38.13</td><td>46.37</td><td>37.75</td><td>60.70</td><td>-9.54</td><td>217</td><td>185 PEAK</td></tr><tr><td>3</td><td>39482.86</td><td>41.83</td><td>54.00</td><td>-12.17</td><td>28.07</td><td>46.25</td><td>37.75</td><td>60.70</td><td>-9.54</td><td>217</td><td>185 Average</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	24631.15	41.23	68.20	-26.97	42.66	39.24	29.02	60.15	-9.54	--	PEAK	2	39482.86	52.01	74.00	-21.99	38.13	46.37	37.75	60.70	-9.54	217	185 PEAK	3	39482.86	41.83	54.00	-12.17	28.07	46.25	37.75	60.70	-9.54	217	185 Average	Level (dBuV/m) Date: 2025-06-25 Site : 03CH21-HY Condition: PEAK(UNII) 1m BBHA9170_1230_241025 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>24619.01</td><td>40.48</td><td>68.20</td><td>-27.72</td><td>41.89</td><td>39.26</td><td>29.02</td><td>60.15</td><td>-9.54</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>39513.94</td><td>52.73</td><td>74.00</td><td>-21.27</td><td>39.01</td><td>46.20</td><td>37.75</td><td>60.69</td><td>-9.54</td><td>141</td><td>181 PEAK</td></tr><tr><td>3</td><td>39513.94</td><td>41.78</td><td>54.00</td><td>-12.22</td><td>28.07</td><td>46.20</td><td>37.75</td><td>60.70</td><td>-9.54</td><td>141</td><td>181 Average</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	24619.01	40.48	68.20	-27.72	41.89	39.26	29.02	60.15	-9.54	--	PEAK	2	39513.94	52.73	74.00	-21.27	39.01	46.20	37.75	60.69	-9.54	141	181 PEAK	3	39513.94	41.78	54.00	-12.22	28.07	46.20	37.75	60.70	-9.54	141	181 Average
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																															
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																																																																																	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																															
1	24631.15	41.23	68.20	-26.97	42.66	39.24	29.02	60.15	-9.54	--	PEAK																																																																																																																														
2	39482.86	52.01	74.00	-21.99	38.13	46.37	37.75	60.70	-9.54	217	185 PEAK																																																																																																																														
3	39482.86	41.83	54.00	-12.17	28.07	46.25	37.75	60.70	-9.54	217	185 Average																																																																																																																														
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																																																																																	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																														
1	24619.01	40.48	68.20	-27.72	41.89	39.26	29.02	60.15	-9.54	--	PEAK																																																																																																																														
2	39513.94	52.73	74.00	-21.27	39.01	46.20	37.75	60.69	-9.54	141	181 PEAK																																																																																																																														
3	39513.94	41.78	54.00	-12.22	28.07	46.20	37.75	60.70	-9.54	141	181 Average																																																																																																																														



B2-1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 5	U-NII-3	5.725-5.85	1 TX	802.11ac VHT40	151	5755	MCS0	-	-
Mode 6	U-NII-3	5.725-5.85	1 TX	802.11ac VHT80	155	5775	MCS0	-	-
Mode 7	U-NII-3	5.725-5.85	1 TX	802.11ac VHT40	151	5755	MCS0	-	LF
Mode 8	U-NII-3	5.725-5.85	1 TX	802.11ac VHT40	151	5755	MCS0	-	SHF

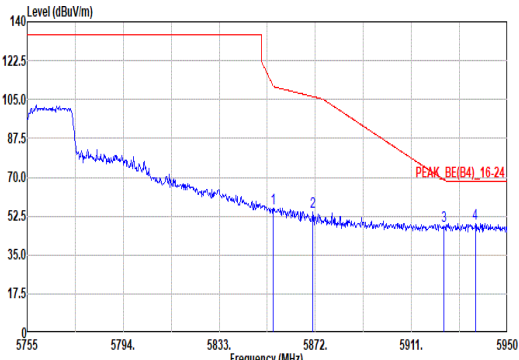
B2-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
5	802.11ac VHT40	151	5648.52	61.03	68.20	-7.17	H	Peak	Pass	-	Band Edge
	802.11ac VHT40	151	-	-	-	-	-	-	-	-	Harmonic
6	802.11ac VHT80	155	-	-	-	-	-	-	-	-	Band Edge
	802.11ac VHT80	155	11550.00	41.07	54.00	-12.93	V	Avg.	Pass	-	Harmonic
7	LF	151	897.18	35.20	46.00	-10.80	V	Peak	Pass	-	LF
8	SHF	151	38849.93	41.76	54.00	-12.24	H	Avg.	Pass	-	SHF

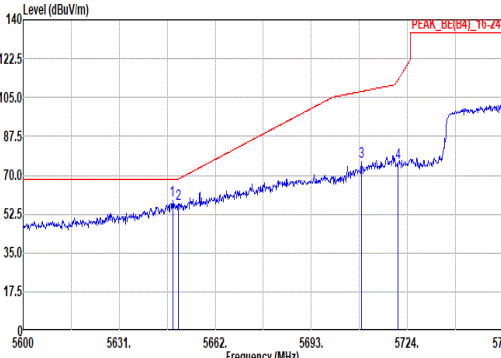
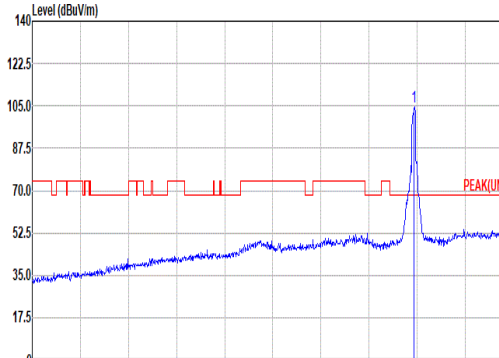
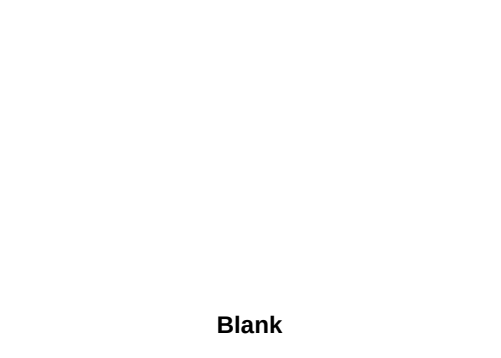
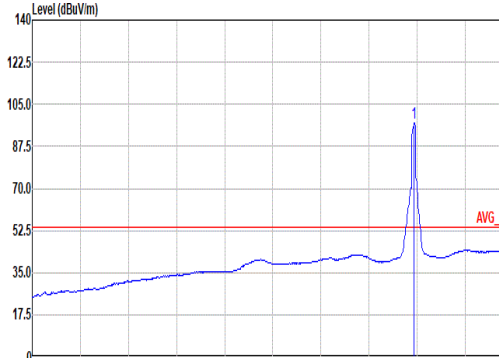


Mode	5																																																																																																																																								
	Band Edge - L																																																																																																																																								
	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz																																																																																																																																								
ANT	1 TX																																																																																																																																								
Pol.	Horizontal						Fundamental																																																																																																																																		
Peak	Horizontal Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz). The plot shows a rising signal level from 5600 MHz to 5755 MHz. A red line indicates the limit, and a blue line shows the measured signal. Peaks are labeled 1, 2, 3, and 4. The peak at 5724 MHz is labeled 'PEAK_BE(B4)_16-24'. Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5648.52</td><td>61.03</td><td>68.20</td><td>-7.17</td><td>49.56</td><td>33.19</td><td>13.61</td><td>35.33</td><td>0.00</td><td>100</td><td>145</td><td>Peak</td></tr><tr><td>2</td><td>5650.53</td><td>57.95</td><td>68.59</td><td>-10.64</td><td>46.47</td><td>33.20</td><td>13.61</td><td>35.33</td><td>0.00</td><td>100</td><td>145</td><td>Peak</td></tr><tr><td>3</td><td>5717.49</td><td>81.38</td><td>110.10</td><td>-28.72</td><td>69.49</td><td>33.57</td><td>13.69</td><td>35.37</td><td>0.00</td><td>100</td><td>145</td><td>Peak</td></tr><tr><td>4</td><td>5720.13</td><td>77.97</td><td>111.09</td><td>-33.12</td><td>66.07</td><td>33.58</td><td>13.69</td><td>35.37</td><td>0.00</td><td>100</td><td>145</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5648.52	61.03	68.20	-7.17	49.56	33.19	13.61	35.33	0.00	100	145	Peak	2	5650.53	57.95	68.59	-10.64	46.47	33.20	13.61	35.33	0.00	100	145	Peak	3	5717.49	81.38	110.10	-28.72	69.49	33.57	13.69	35.37	0.00	100	145	Peak	4	5720.13	77.97	111.09	-33.12	66.07	33.58	13.69	35.37	0.00	100	145	Peak	Fundamental Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz). The plot shows a sharp peak at 5755 MHz. A red line indicates the limit, and a blue line shows the measured signal. The peak is labeled 'PEAK(UNII)'. Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5755.00</td><td>103.98</td><td>-----</td><td>-----</td><td>91.95</td><td>33.68</td><td>13.73</td><td>35.38</td><td>0.00</td><td>100</td><td>145</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5755.00	103.98	-----	-----	91.95	33.68	13.73	35.38	0.00	100	145	Peak
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																															
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor																																																																																																																																			
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																
1	5648.52	61.03	68.20	-7.17	49.56	33.19	13.61	35.33	0.00	100	145	Peak																																																																																																																													
2	5650.53	57.95	68.59	-10.64	46.47	33.20	13.61	35.33	0.00	100	145	Peak																																																																																																																													
3	5717.49	81.38	110.10	-28.72	69.49	33.57	13.69	35.37	0.00	100	145	Peak																																																																																																																													
4	5720.13	77.97	111.09	-33.12	66.07	33.58	13.69	35.37	0.00	100	145	Peak																																																																																																																													
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor																																																																																																																																			
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																
1	5755.00	103.98	-----	-----	91.95	33.68	13.73	35.38	0.00	100	145	Peak																																																																																																																													
Avg	Blank						Fundamental Average Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz). The plot shows a sharp peak at 5755 MHz. A red line indicates the limit, and a blue line shows the measured signal. The peak is labeled 'AVG_54'. Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5755.00</td><td>96.99</td><td>-----</td><td>-----</td><td>84.99</td><td>33.66</td><td>13.72</td><td>35.38</td><td>0.00</td><td>100</td><td>145</td><td>Average</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5755.00	96.99	-----	-----	84.99	33.66	13.72	35.38	0.00	100	145	Average																																																																																		
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor																																																																																																																																			
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																
1	5755.00	96.99	-----	-----	84.99	33.66	13.72	35.38	0.00	100	145	Average																																																																																																																													

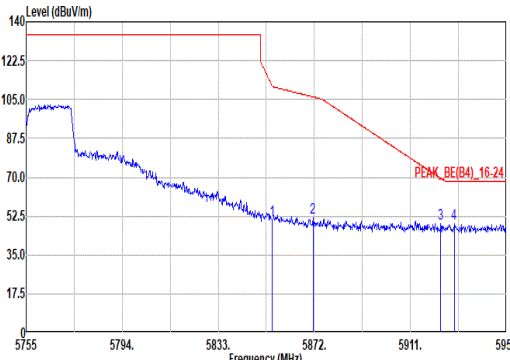


Mode	5																																																																											
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	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz																																																																											
ANT	1 TX																																																																											
Pol.	Horizontal	Fundamental																																																																										
Peak	 Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH10-E_LE2C03A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 5854.84</td><td>55.95</td><td>111.16</td><td>-55.21</td><td>43.83</td><td>33.70</td><td>13.86</td><td>35.44</td><td>0.00</td><td>100</td><td>145 Peak</td></tr><tr><td>2 5871.03</td><td>54.33</td><td>106.31</td><td>-51.98</td><td>42.20</td><td>33.70</td><td>13.88</td><td>35.45</td><td>0.00</td><td>100</td><td>145 Peak</td></tr><tr><td>3 5924.07</td><td>48.24</td><td>68.89</td><td>-20.65</td><td>36.13</td><td>33.65</td><td>13.94</td><td>35.48</td><td>0.00</td><td>100</td><td>145 Peak</td></tr><tr><td>4 5936.94</td><td>49.39</td><td>68.20</td><td>-18.81</td><td>37.30</td><td>33.63</td><td>13.95</td><td>35.49</td><td>0.00</td><td>100</td><td>145 Peak</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor			Remark	MHz	dBuV/m	dBuV/m	dB	dB/m	dB	dB	dB	cm	deg	1 5854.84	55.95	111.16	-55.21	43.83	33.70	13.86	35.44	0.00	100	145 Peak	2 5871.03	54.33	106.31	-51.98	42.20	33.70	13.88	35.45	0.00	100	145 Peak	3 5924.07	48.24	68.89	-20.65	36.13	33.65	13.94	35.48	0.00	100	145 Peak	4 5936.94	49.39	68.20	-18.81	37.30	33.63	13.95	35.49	0.00	100	145 Peak	Blank
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																				
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor			Remark																																																																			
MHz	dBuV/m	dBuV/m	dB	dB/m	dB	dB	dB	cm	deg																																																																			
1 5854.84	55.95	111.16	-55.21	43.83	33.70	13.86	35.44	0.00	100	145 Peak																																																																		
2 5871.03	54.33	106.31	-51.98	42.20	33.70	13.88	35.45	0.00	100	145 Peak																																																																		
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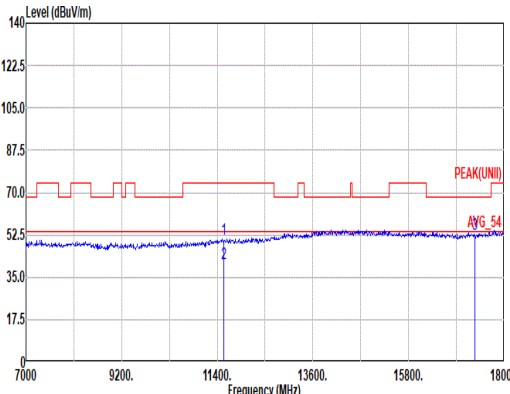
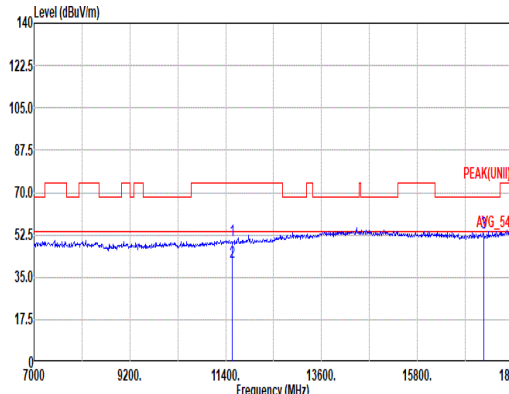


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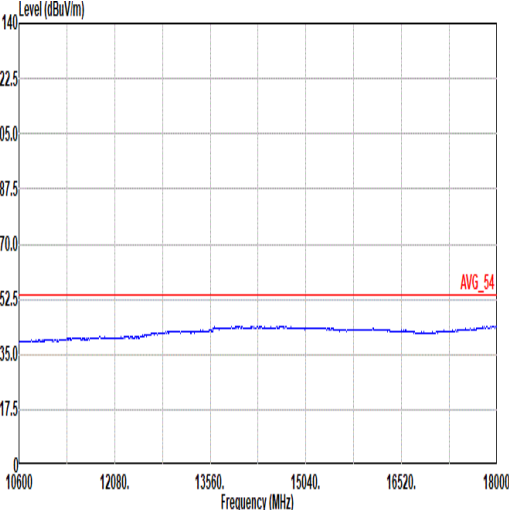
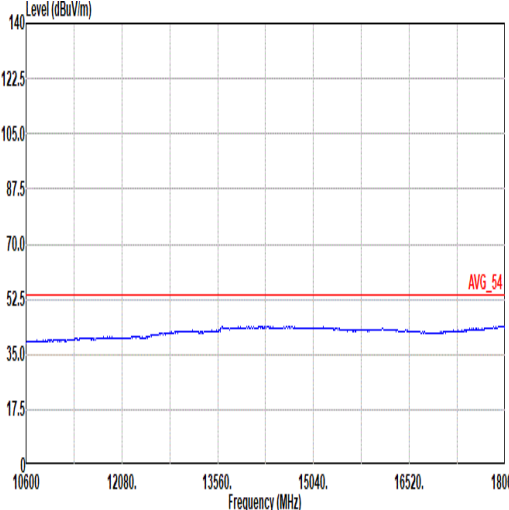


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10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_240711 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_240711 VERTICAL



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Appendix C. Duty Cycle Plots

Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
5GHz 802.11ac VHT20	99.08	-	-	10 Hz
5GHz 802.11ac VHT40	97.85	954	1.05	1.1 kHz
5GHz 802.11ac VHT80	95.83	460	2.17	2.2 kHz

