



FCC RADIO TEST REPORT

FCC ID : 2BKSS-L1LA10
Equipment : Wireless Router
Model Name : L1LA10
Applicant : Kuiper Systems LLC
410 Terry Avenue North, Seattle, Washington, United States 98109
Manufacturer : Kuiper Systems LLC
410 Terry Avenue North, Seattle, Washington, United States 98109
Standard : FCC Part 15 Subpart C §15.247

The product was received on May 21, 2024 and testing was performed from Jun. 04, 2024 to Feb. 11, 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 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.)



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	5
1.3 Testing Location	6
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency Channel	7
2.2 Test Mode	8
2.3 Connection Diagram of Test System.....	9
2.4 Support Unit used in Test Configuration and System	9
2.5 EUT Operation Test Setup	9
2.6 Measurement Results Explanation Example.....	10
3 Test Result.....	11
3.1 6dB and 99% Bandwidth Measurement	11
3.2 Output Power Measurement.....	12
3.3 Power Spectral Density Measurement	13
3.4 Conducted Band Edges and Spurious Emission Measurement	14
3.5 Radiated Band Edges and Spurious Emission Measurement	15
3.6 AC Conducted Emission Measurement.....	20
3.7 Antenna Requirements.....	22
4 List of Measuring Equipment	23
5 Measurement Uncertainty	25
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission Test Data	
Appendix D. Duty Cycle Plots	



History of this test report

Report No.	Version	Description	Issue Date
FR452002C	01	Initial issue of report	May 20, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.247(b)(3) 15.247(b)(4)	Output Power	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges and Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Spurious Emission	Pass	-
3.6	15.207	AC Conducted Emission	Pass	-
3.7	15.203	Antenna Requirement	Pass	-

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: Alan Liu

Report Producer: Ming Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs Bluetooth-LE, IEEE 802.15.4, Wi-Fi 2.4GHz 802.11b/g/n/ax and Wi-Fi 5GHz 802.11a/n/ac/ax.		
Antenna Type IEEE 802.15.4: Dipole Antenna		
Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	4.20

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, CO07-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 C §15.247
- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ 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

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	11	2405	19	2445
	12	2410	20	2450
	13	2415	21	2455
	14	2420	22	2460
	15	2425	23	2465
	16	2430	24	2470
	17	2435	25	2475
	18	2440	26	2480



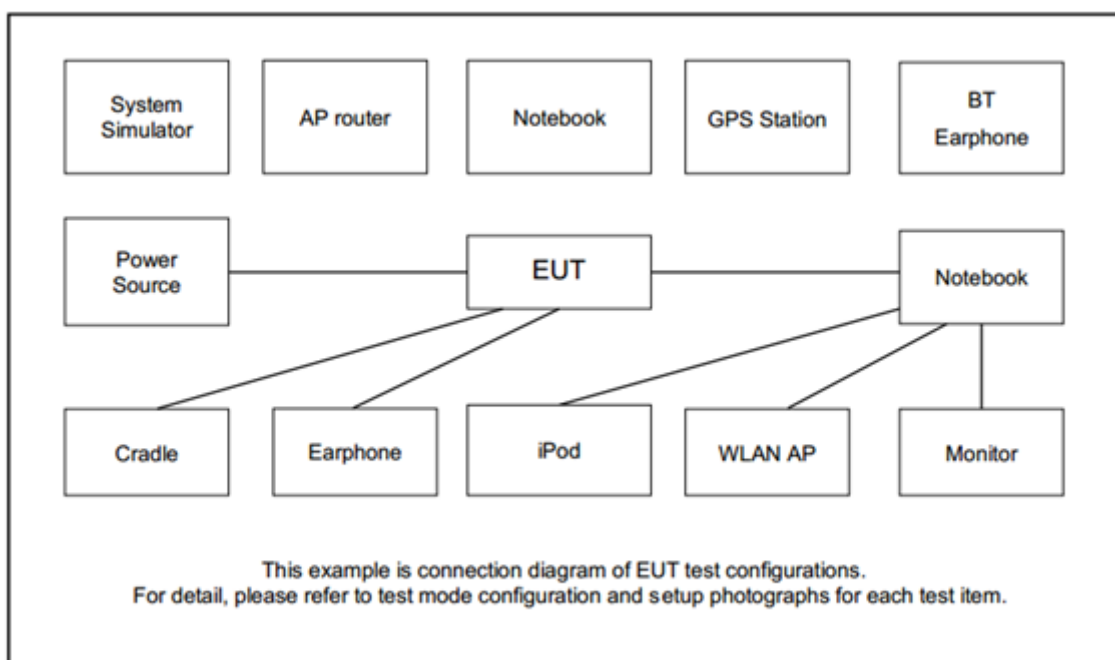
2.2 Test Mode

- 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: conduction emission (150 kHz to 30 MHz), 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.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Summary table of Test Cases	
Test Item	Data Rate / Modulation
Conducted Test Cases	Bluetooth – LE / GFSK
	Mode 1: IEEE 802.15.4 Tx CH11_2405 MHz
	Mode 2: IEEE 802.15.4 Tx CH18_2440 MHz
	Mode 3: IEEE 802.15.4 Tx CH25_2475 MHz
	Mode 4: IEEE 802.15.4 Tx CH26_2480 MHz
Radiated Test Cases	Mode 1: IEEE 802.15.4 Tx CH11_2405 MHz
	Mode 2: IEEE 802.15.4 Tx CH18_2440 MHz
	Mode 3: IEEE 802.15.4 Tx CH25_2475 MHz
	Mode 4: IEEE 802.15.4 Tx CH26_2480 MHz
AC Conducted Emission	Mode 1: WLAN (2.4GHz) Link + WLAN (5Hz) Link + IEEE 802.15.4 Tx + RJ-45 75ft shielded cable (WAN) Link with PD board + RJ-45(LAN) Link + Power cable + PD board with Laptop and dynamic load profile
	Mode 2: Bluetooth Link + RJ-45 75ft shielded cable (WAN) Link with PD board + RJ-45(LAN) Link + Power cable + PD board with Laptop and dynamic load profile
Remark:	
1. The worst case of Conducted Emission is mode 2; only the test data of it was reported.	
2. The detailed Radiated test modes are shown in Appendix C.	
3. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in Test Configuration and System

Item	Equipment	Brand Name	Serial number	FCC ID	Data Cable	Power Cord
1.	Mobile Phone	Asus	Zenfone5	MSQX00QSA	N/A	N/A
2.	Notebook	Dell	P79G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	HP	81DE	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	MSI	MS-17L3	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	Electronic POE load	BK PRECISION	8602B	N/A	N/A	Unshielded, 1.8m

2.5 EUT Operation Test Setup

The RF test items, utility "RadioControlConsole.exe (v4.0.0.0)" 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.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

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

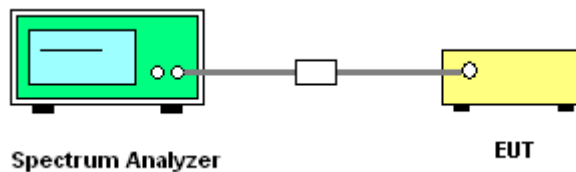
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.
5. 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) $\geq 3 * RBW$.
6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

3.1.6 Test Result of 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna of directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

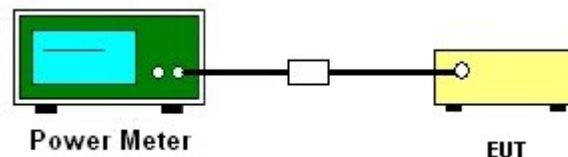
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT is connected to the power meter by RF cable and attenuator.
3. The path loss is compensated to the results for each measurement.
4. Set the maximum power setting and enable the EUT to transmit continuously.
5. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Average Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band at any time interval of continuous transmission.

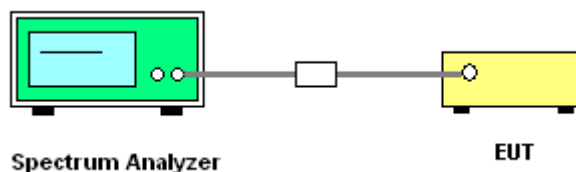
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth (VBW) = 10 kHz. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6 dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.
7. The Measured power density (dBm)/ 100 kHz is a reference level and is used as 20 dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 30 dB down from the highest emission level within the authorized band.

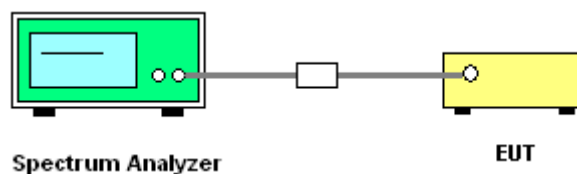
3.4.2 Measuring Instruments

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

3.4.3 Test Procedure

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Set RBW = 100 kHz, VBW = 300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



3.4.5 Test Result of Conducted Band Edges Plots

Please refer to Appendix A.

3.4.6 Test Result of Conducted Spurious Emission Plots

Please refer to Appendix A.

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

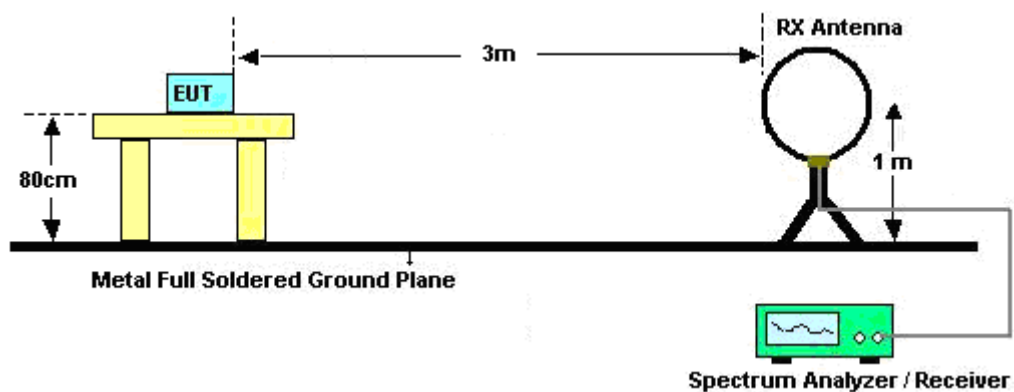
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. 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.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
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 “-”.
8. Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction:
If continuous transmission of the EUT ($D \geq 98\%$) cannot be achieved and the duty cycle is constant (duty cycle variations are less than $\pm 2\%$), then the following procedure shall be used:
 - a) The EUT shall be configured to operate at the maximum achievable duty cycle.
 - b) Measure the duty cycle D of the transmitter output signal as described in 11.6.
 - c) RBW = 1 MHz (unless otherwise specified).
 - d) VBW $\geq [3 \times \text{RBW}]$.
 - e) Detector = RMS (power averaging), if span / (# of points in sweep) $\leq (\text{RBW} / 2)$.
Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
 - f) Averaging type = power (i.e., rms):
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.

- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (rms) mode was used in step f), then the applicable correction factor is $[10 \log (1 / D)]$, where D is the duty cycle.

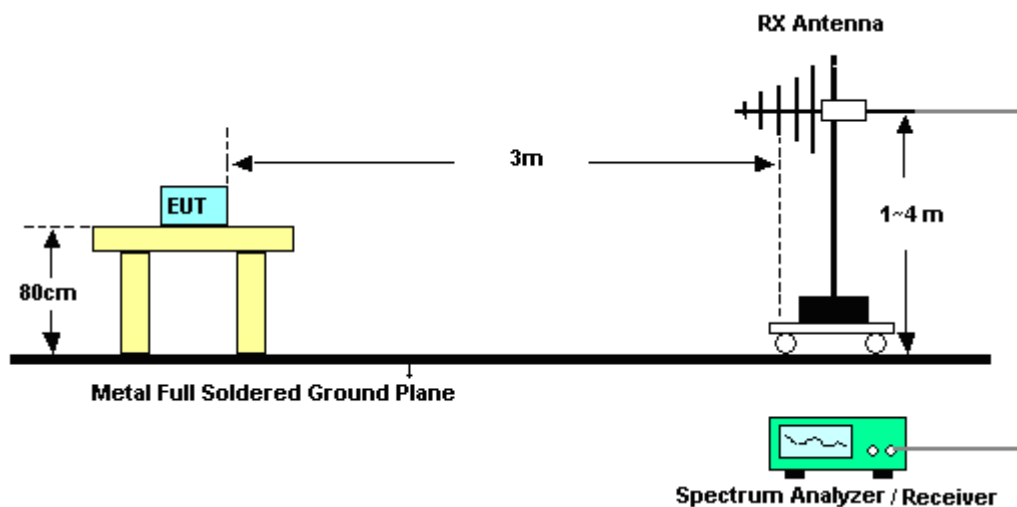
Reduction of the measured emission amplitude levels to account for operational duty cycle is not permitted. Determining compliance is based on emission levels occurring during transmission; it is not based on an average across ON and OFF times of the transmitter.

3.5.4 Test Setup

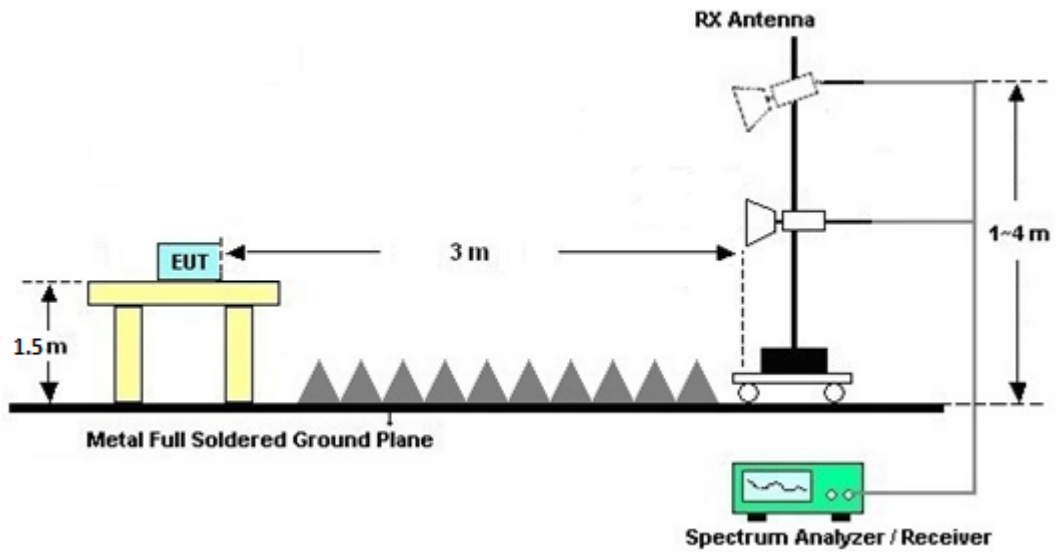
For radiated test below 30MHz



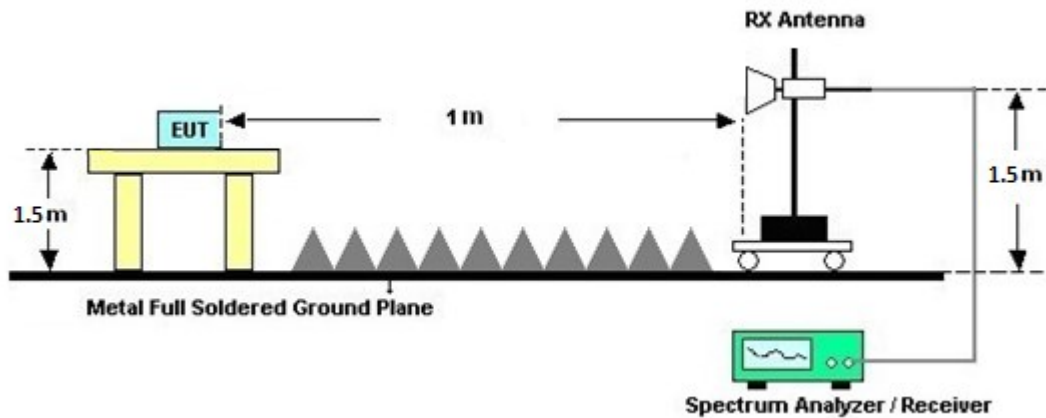
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





3.5.5 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 comes out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30 MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 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 (dB μ V)	
	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.

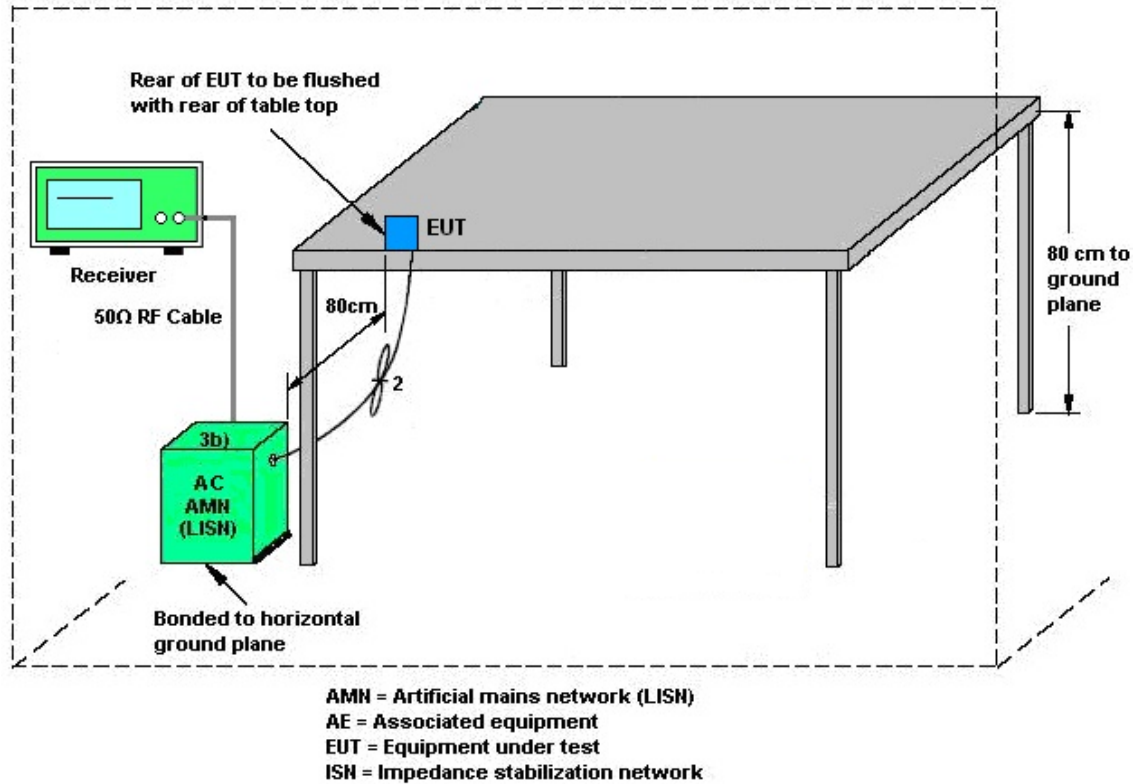
3.6.2 Measuring Instruments

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

3.6.3 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 (IF Bandwidth = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 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.

3.7.2 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
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Feb. 11, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 11, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz~200MHz	Oct. 23, 2024	Feb. 11, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Feb. 11, 2025	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Feb. 11, 2025	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Feb. 11, 2025	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Feb. 11, 2025	Sep. 22, 2025	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jun. 25, 2024~Jul. 09, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17100015SNO 35 (NO:109)	10MHz~6GHz	Jan. 15, 2024	Jun. 25, 2024~Jul. 09, 2024	Jan. 14, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2023	Jun. 25, 2024~Jul. 09, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Jun. 25, 2024~Jul. 09, 2024	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Jun. 25, 2024~Jul. 09, 2024	N/A	Conducted (TH05-HY)
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Jun. 04, 2024~Aug. 12, 2024	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Oct. 15, 2023	Jun. 04, 2024~Aug. 12, 2024	Oct. 14, 2024	Radiation (03CH21-HY)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227880	1GHz~18GHz	Oct. 04, 2023	Jun. 04, 2024~Aug. 12, 2024	Oct. 03, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18EN	1GHz~18GHz	Jul. 12, 2023	Jun. 04, 2024~Jul. 10, 2024	Jul. 11, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18EN	1GHz~18GHz	Jul. 11, 2024	Jul. 11, 2024~Aug. 12, 2024	Jul. 10, 2025	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Jun. 04, 2024~Jun. 23, 2024	Jul. 09, 2024	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	Jun. 24, 2024~Aug. 12, 2024	Jun. 23, 2025	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 15, 2023	Jun. 04, 2024~Jul. 13, 2024	Jul. 14, 2024	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 14, 2024	Jul. 14, 2024~Aug. 12, 2024	Jul. 13, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Jun. 04, 2024~Aug. 12, 2024	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Jun. 04, 2024~Aug. 12, 2024	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Aug. 28, 2023	Jun. 04, 2024~Aug. 12, 2024	Aug. 27, 2024	Radiation (03CH21-HY)
Signal Generator	Rohde & Schwarz	SMW200A	111391	N/A	Jan. 23, 2024	Jun. 04, 2024~Aug. 12, 2024	Jan. 22, 2025	Radiation (03CH21-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Jun. 04, 2024~ Aug. 12, 2024	Mar. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804 612/2,804614 /2	30MHz~40GHz	Oct. 24, 2023	Jun. 04, 2024~ Aug. 12, 2024	Oct. 23, 2024	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 30, 2023	Jun. 04, 2024~ Aug. 12, 2024	Oct. 14, 2024	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 04, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jun. 04, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jun. 04, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-002349	N/A	N/A	Jun. 04, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)

5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.7 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.6 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
---	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2024/06/25~2024/07/09	Relative Humidity:	51~54	%

TEST RESULTS DATA								
6dB and 99% Occupied Bandwidth								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
Zigbee	250K	1	11	2405	2.212	1.543	0.50	Pass
Zigbee	250K	1	18	2440	2.217	1.544	0.50	Pass
Zigbee	250K	1	25	2475	2.212	1.537	0.50	Pass
Zigbee	250K	1	26	2480	2.212	1.556	0.50	Pass

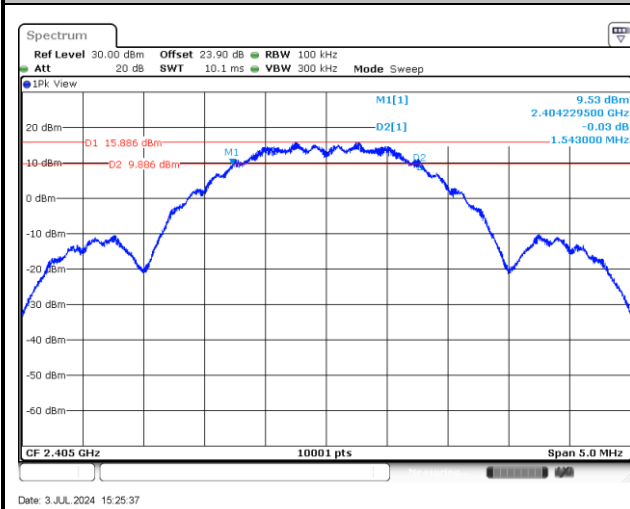
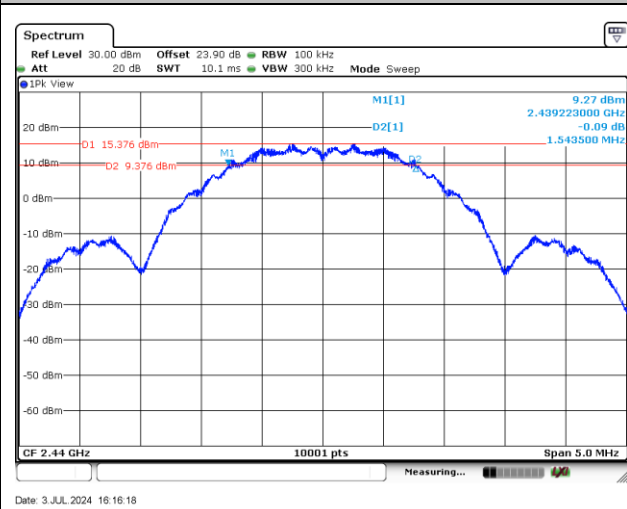
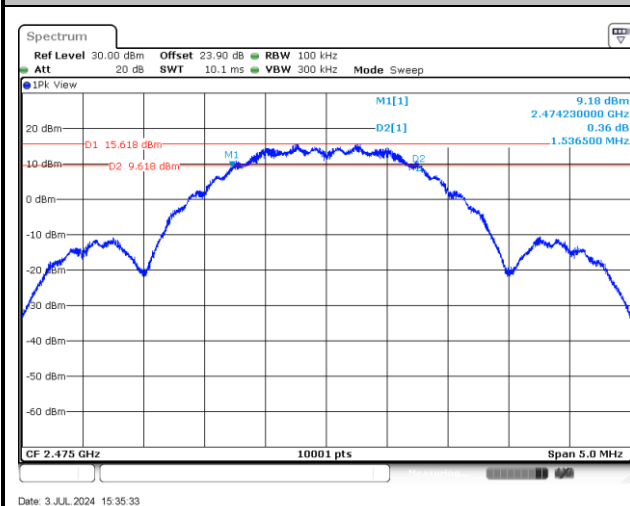
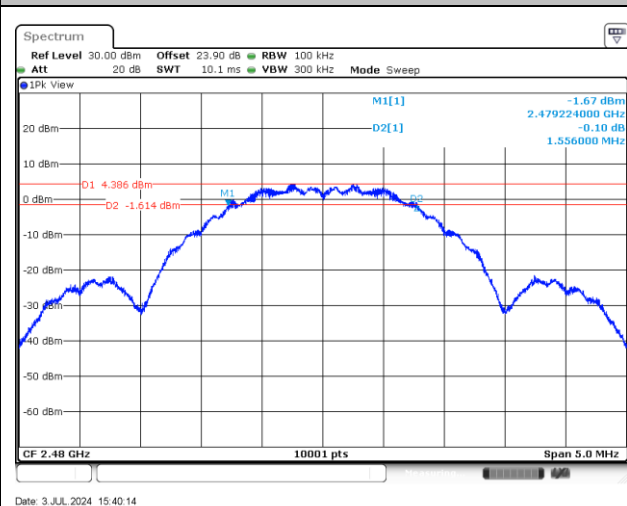
TEST RESULTS DATA										
Average Power Table										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
Zigbee	250K	1	11	2405	18.90	30.00	4.20	23.10	36.00	Pass
Zigbee	250K	1	18	2440	18.90	30.00	4.20	23.10	36.00	Pass
Zigbee	250K	1	25	2475	18.60	30.00	4.20	22.80	36.00	Pass
Zigbee	250K	1	26	2480	7.70	30.00	4.20	11.90	36.00	Pass

TEST RESULTS DATA									
Peak Power Density									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
Zigbee	250K	1	11	2405	15.88	3.88	4.20	8.00	Pass
Zigbee	250K	1	18	2440	15.36	3.78	4.20	8.00	Pass
Zigbee	250K	1	25	2475	15.59	3.55	4.20	8.00	Pass
Zigbee	250K	1	26	2480	4.44	-6.85	4.20	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

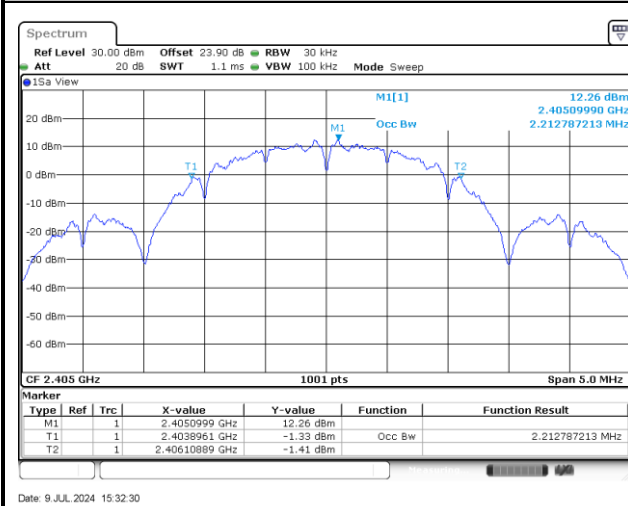
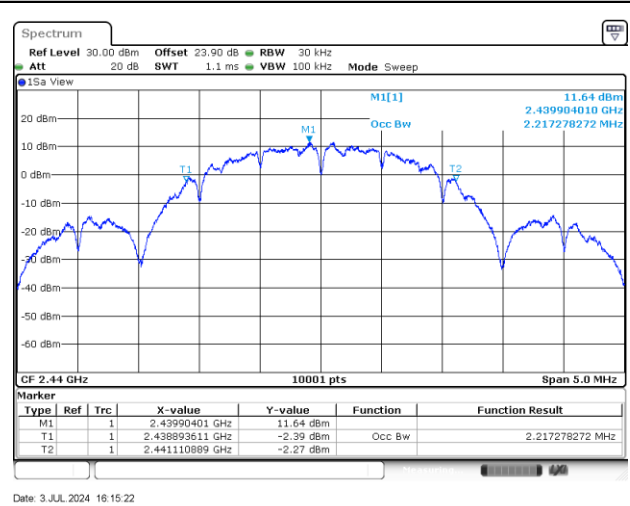
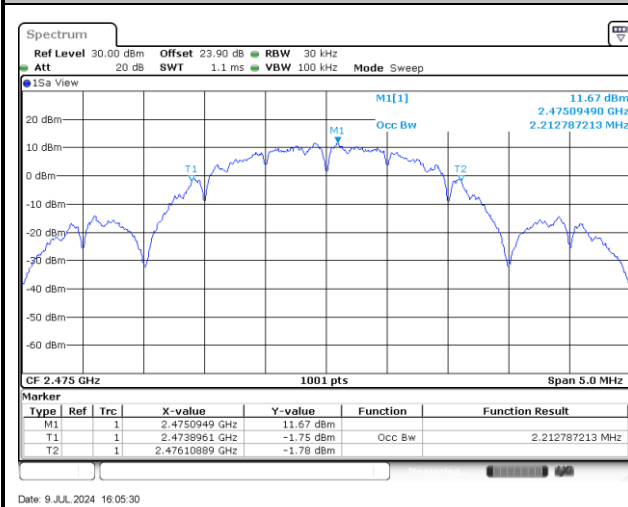
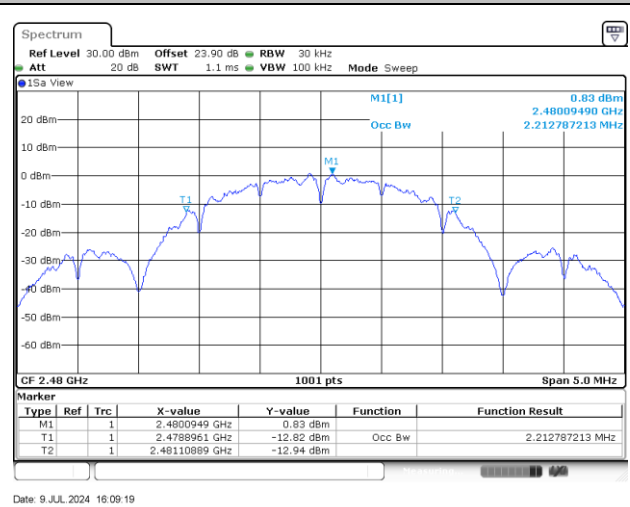
**6dB Bandwidth**

<802.15.4>

6 dB Bandwidth Plot on Channel 11**6 dB Bandwidth Plot on Channel 18****6 dB Bandwidth Plot on Channel 25****6 dB Bandwidth Plot on Channel 26**

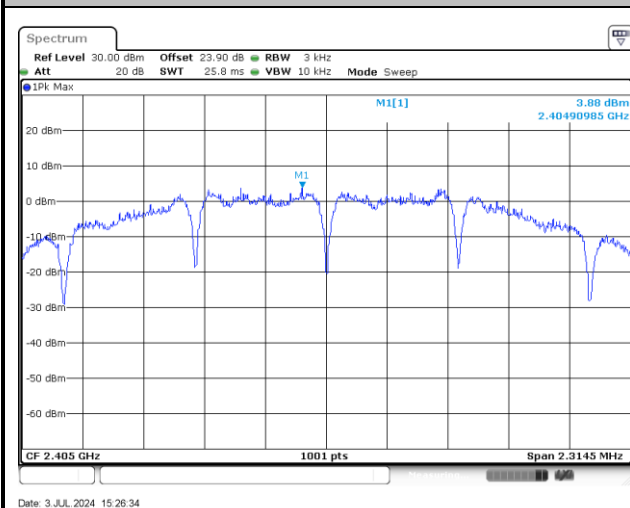
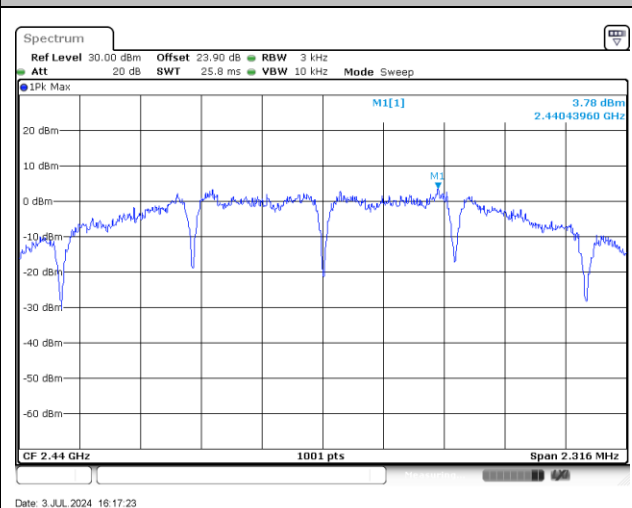
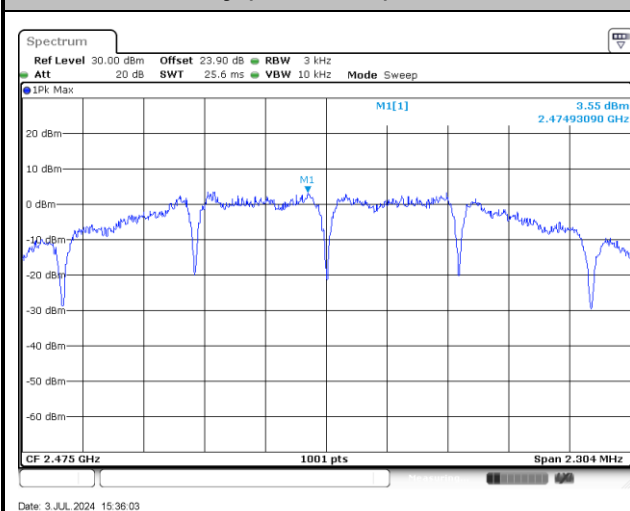
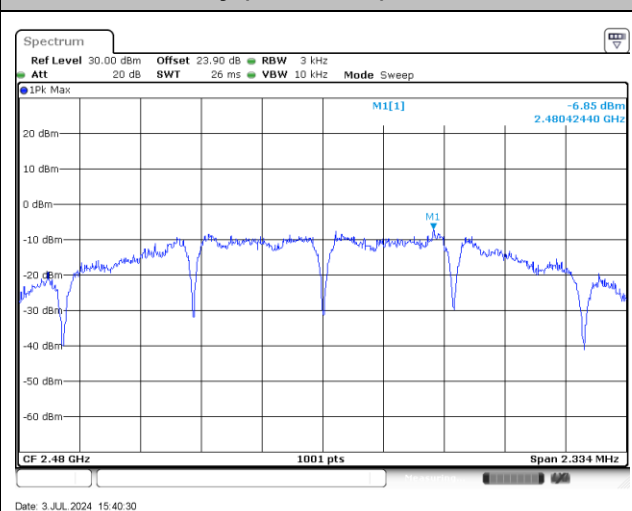
**99% Occupied Bandwidth**

<802.15.4>

99% Occupied Bandwidth Plot on Channel 11**99% Occupied Bandwidth Plot on Channel 18****99% Occupied Bandwidth Plot on Channel 25****99% Occupied Bandwidth Plot on Channel 26**

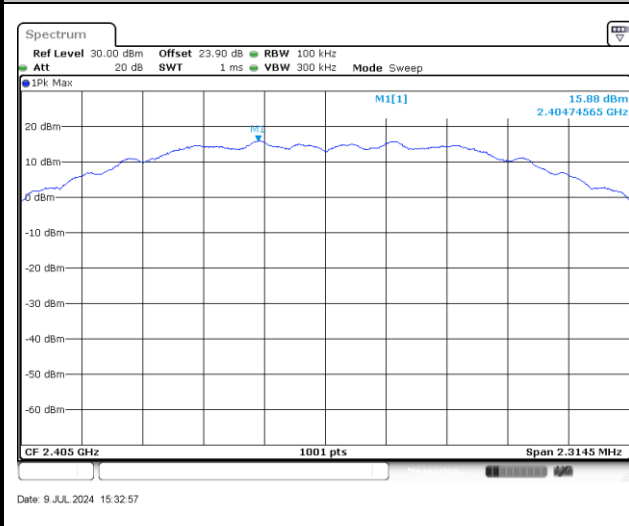
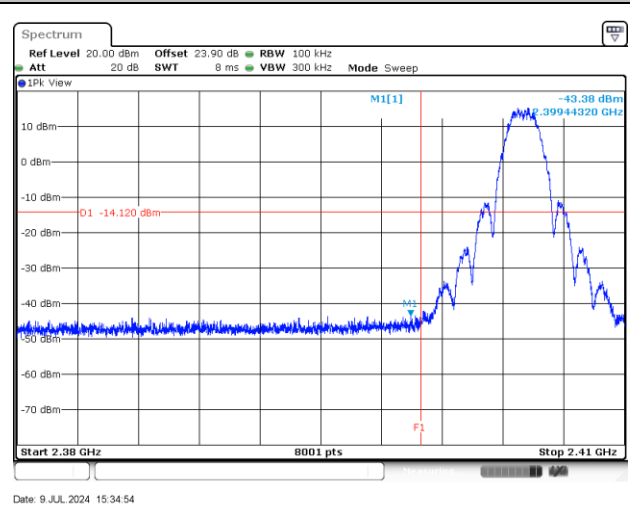
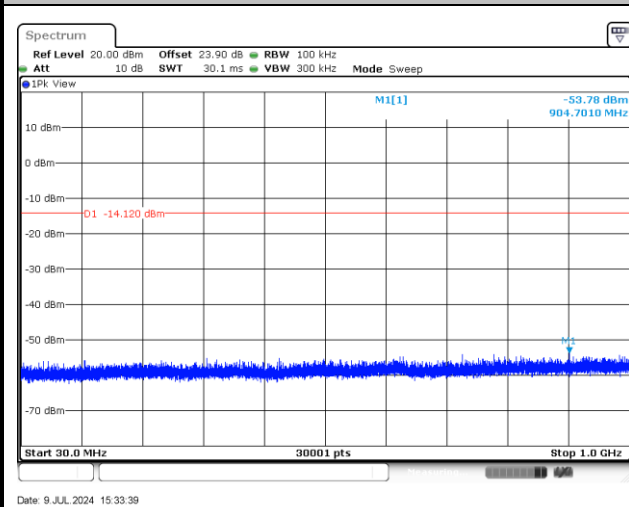
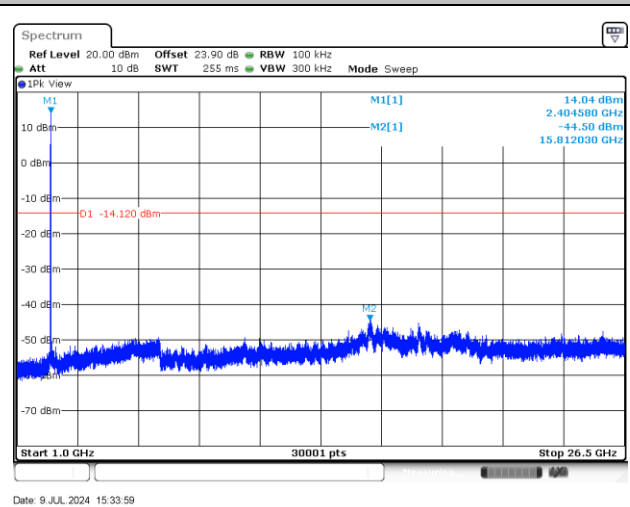
**Power Spectral Density (dBm/3kHz)**

<802.15.4>

Power Density (dBm/3kHz) Plot Channel 11**Power Density (dBm/3kHz) Plot Channel 18****Power Density (dBm/3kHz) Plot Channel 25****Power Density (dBm/3kHz) Plot Channel 26**

**Band Edge and Conducted Spurious Emission**

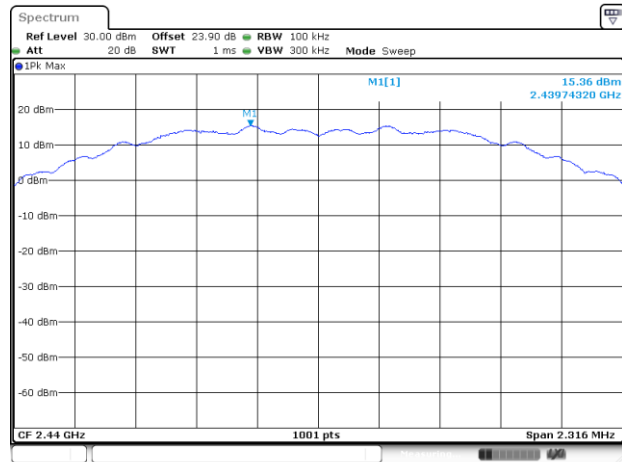
<802.15.4>

Channel 11**100kHz PSD reference Level Plot****Low Channel Plot****Spurious Emission 30MHz~1GHz Plot****Spurious Emission 1GHz~26.5GHz Plot**



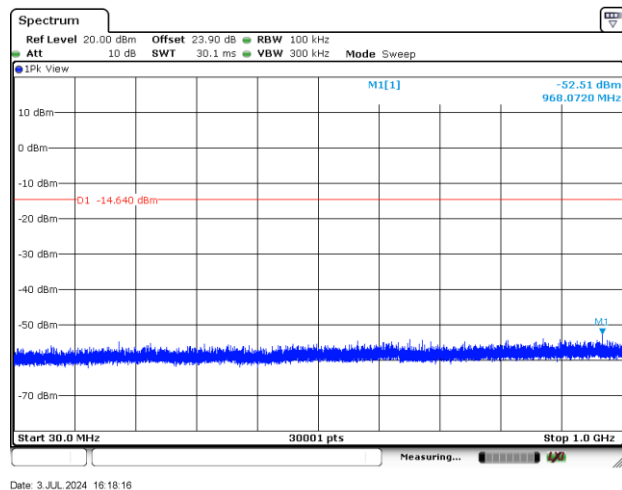
Channel 18

100kHz PSD reference Level Plot

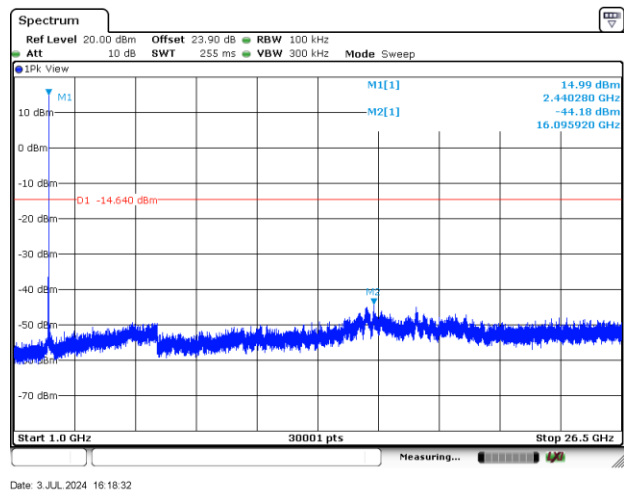


Mid Channel Plot

Spurious Emission 30MHz~1GHz Plot



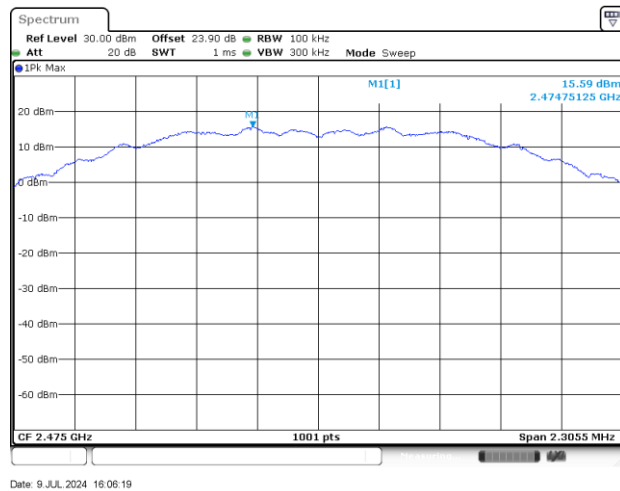
Spurious Emission 1GHz~26.5GHz Plot



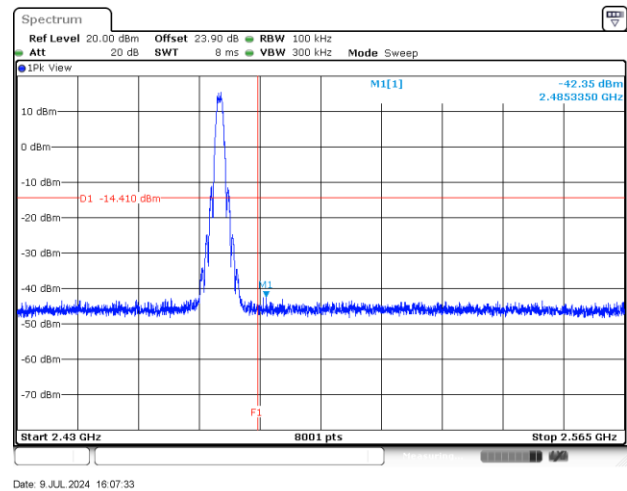


Channel 25

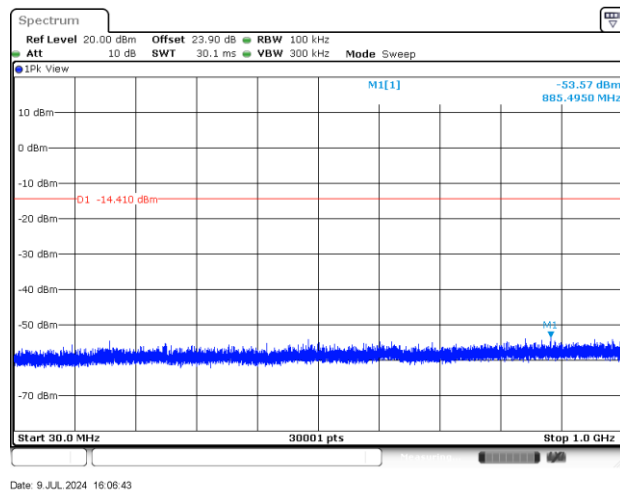
100kHz PSD reference Level Plot



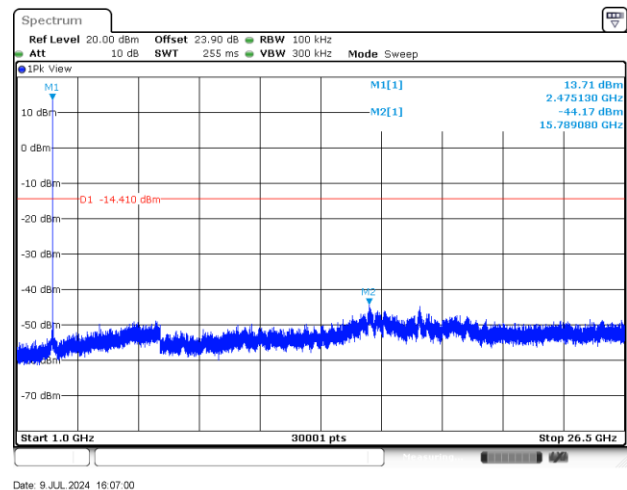
High Channel Plot



Spurious Emission 30MHz~1GHz Plot



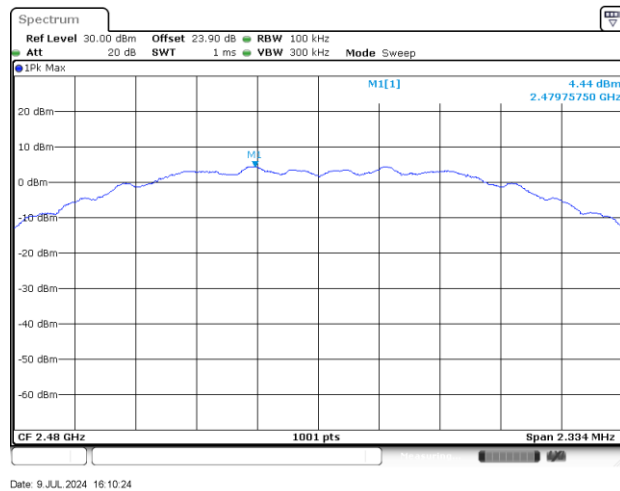
Spurious Emission 1GHz~26.5GHz Plot



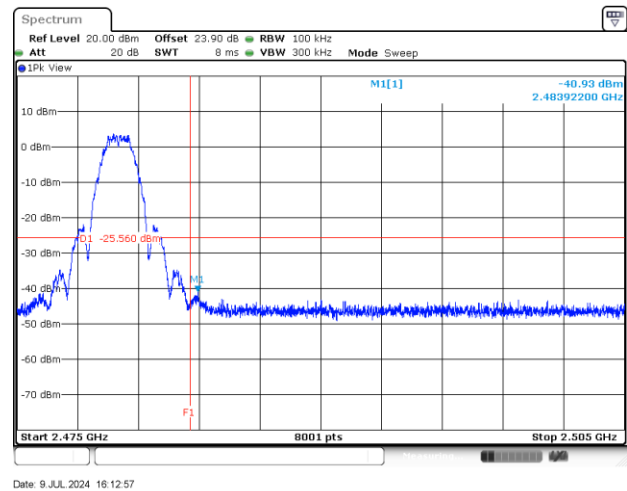


Channel 26

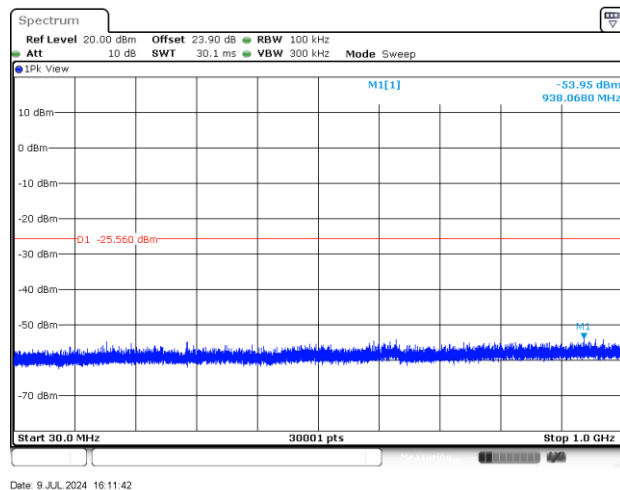
100kHz PSD reference Level Plot



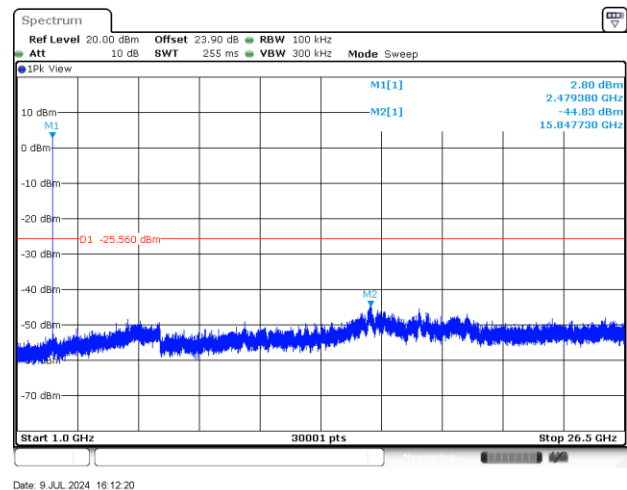
Low Channel Plot



Spurious Emission 30MHz~1GHz Plot



Spurious Emission 1GHz~26.5GHz Plot





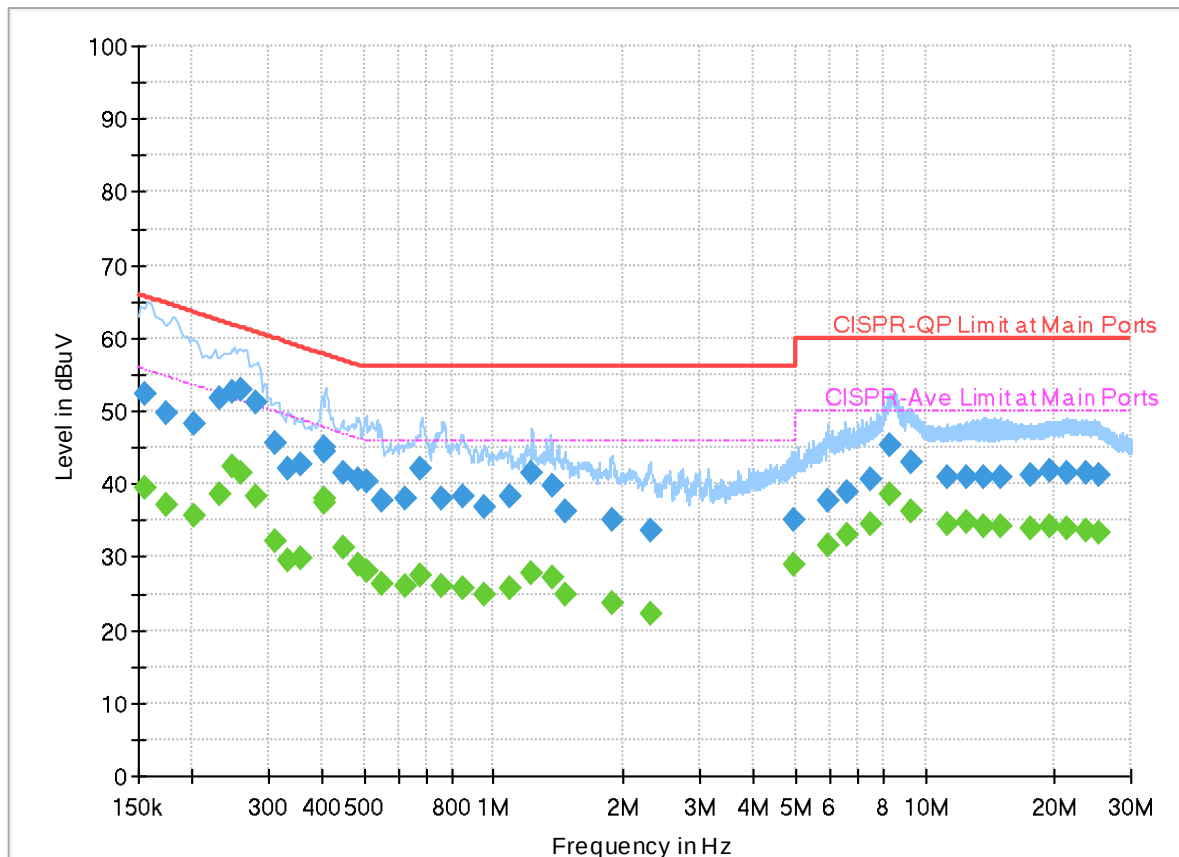
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	19.3~23.7℃
		Relative Humidity :	42.2~48.5%

EUT Information

Report NO : 452002
 Test Mode : Mode 2
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final Result

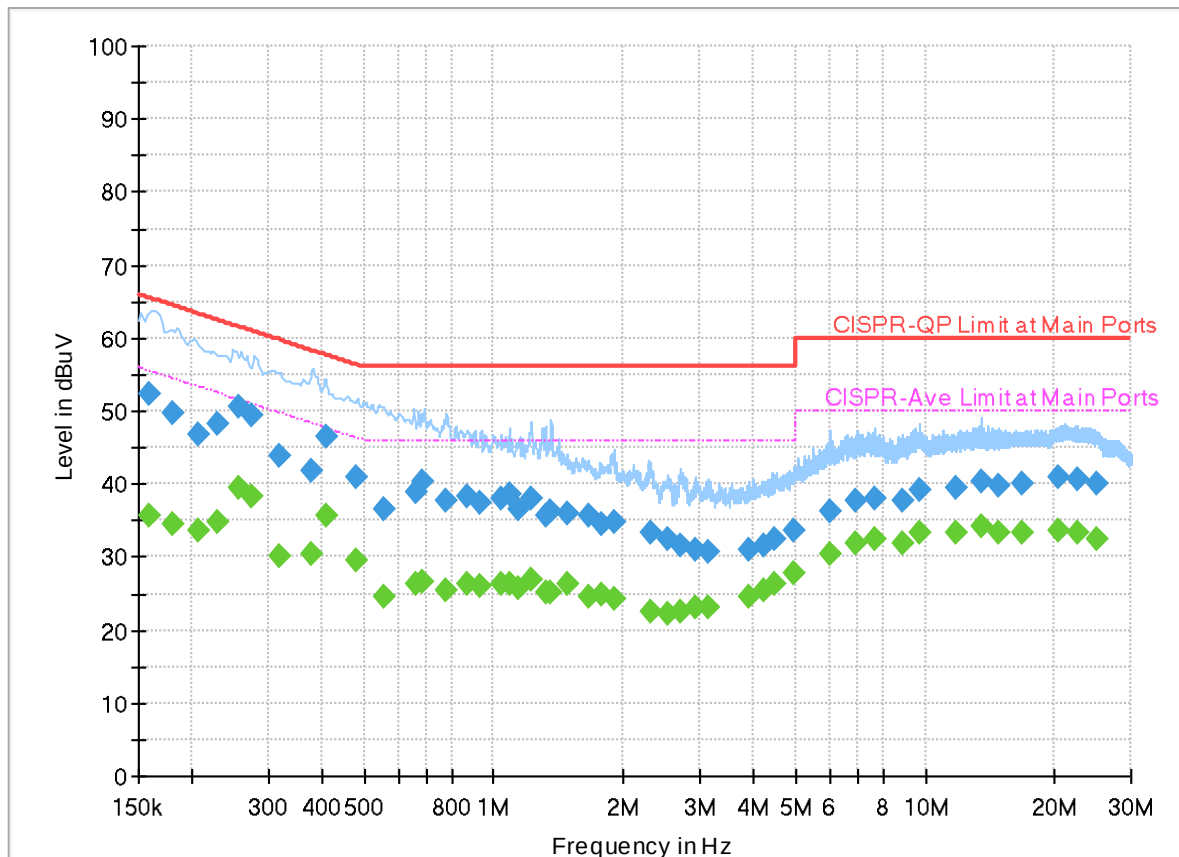
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.154500	---	39.43	55.75	16.32	L1	FLO	19.9
0.154500	52.46	---	65.75	13.29	L1	FLO	19.9
0.174750	---	37.14	54.73	17.59	L1	FLO	19.9
0.174750	49.73	---	64.73	15.00	L1	FLO	19.9
0.201750	---	35.72	53.54	17.82	L1	FLO	19.9
0.201750	48.36	---	63.54	15.18	L1	FLO	19.9
0.231000	---	38.57	52.41	13.84	L1	FLO	19.9
0.231000	51.66	---	62.41	10.75	L1	FLO	19.9
0.247470	---	42.39	51.84	9.45	L1	FLO	19.9
0.247470	52.66	---	61.84	9.18	L1	FLO	19.9
0.260250	---	41.56	51.42	9.86	L1	FLO	19.9
0.260250	52.84	---	61.42	8.58	L1	FLO	19.9
0.280500	---	38.37	50.80	12.43	L1	FLO	19.9
0.280500	51.30	---	60.80	9.50	L1	FLO	19.9
0.310470	---	32.18	49.96	17.78	L1	FLO	19.9
0.310470	45.60	---	59.96	14.36	L1	FLO	19.9
0.332250	---	29.56	49.40	19.84	L1	FLO	19.9
0.332250	42.00	---	59.40	17.40	L1	FLO	19.9
0.357360	---	29.70	48.79	19.09	L1	FLO	19.9

0.357360	42.55	---	58.79	16.24	L1	FLO	19.9
0.403980	---	38.04	47.77	9.73	L1	FLO	19.9
0.403980	44.54	---	57.77	13.23	L1	FLO	19.9
0.406140	---	37.29	47.73	10.44	L1	FLO	19.9
0.406140	45.00	---	57.73	12.73	L1	FLO	19.9
0.445830	---	31.30	46.95	15.65	L1	FLO	19.9
0.445830	41.62	---	56.95	15.33	L1	FLO	19.9
0.485250	---	29.01	46.25	17.24	L1	FLO	19.9
0.485250	40.70	---	56.25	15.55	L1	FLO	19.9
0.510000	---	28.07	46.00	17.93	L1	FLO	19.9
0.510000	40.39	---	56.00	15.61	L1	FLO	19.9
0.549780	---	26.40	46.00	19.60	L1	FLO	19.9
0.549780	37.66	---	56.00	18.34	L1	FLO	19.9
0.622500	---	26.08	46.00	19.92	L1	FLO	19.9
0.622500	38.15	---	56.00	17.85	L1	FLO	19.9
0.678750	---	27.59	46.00	18.41	L1	FLO	19.9
0.678750	42.03	---	56.00	13.97	L1	FLO	19.9
0.760200	---	25.95	46.00	20.05	L1	FLO	19.9
0.760200	38.03	---	56.00	17.97	L1	FLO	19.9
0.847770	---	25.60	46.00	20.40	L1	FLO	19.9
0.847770	38.39	---	56.00	17.61	L1	FLO	19.9
0.952080	---	24.88	46.00	21.12	L1	FLO	19.9
0.952080	36.84	---	56.00	19.16	L1	FLO	19.9
1.088250	---	25.71	46.00	20.29	L1	FLO	19.9
1.088250	38.22	---	56.00	17.78	L1	FLO	19.9
1.221000	---	27.82	46.00	18.18	L1	FLO	19.9
1.221000	41.58	---	56.00	14.42	L1	FLO	19.9
1.360500	---	27.18	46.00	18.82	L1	FLO	20.0
1.360500	39.72	---	56.00	16.28	L1	FLO	20.0
1.463460	---	24.93	46.00	21.07	L1	FLO	20.0
1.463460	36.17	---	56.00	19.83	L1	FLO	20.0
1.874580	---	23.74	46.00	22.26	L1	FLO	20.0
1.874580	35.10	---	56.00	20.90	L1	FLO	20.0
2.305860	---	22.19	46.00	23.81	L1	FLO	20.0
2.305860	33.56	---	56.00	22.44	L1	FLO	20.0
4.969770	---	29.04	46.00	16.96	L1	FLO	20.0
4.969770	35.09	---	56.00	20.91	L1	FLO	20.0
5.946900	---	31.65	50.00	18.35	L1	FLO	20.0
5.946900	37.76	---	60.00	22.24	L1	FLO	20.0
6.555750	---	32.94	50.00	17.06	L1	FLO	20.0
6.555750	38.79	---	60.00	21.21	L1	FLO	20.0
7.455210	---	34.53	50.00	15.47	L1	FLO	20.1
7.455210	40.56	---	60.00	19.44	L1	FLO	20.1
8.295000	---	38.74	50.00	11.26	L1	FLO	20.1
8.295000	45.45	---	60.00	14.55	L1	FLO	20.1
9.265020	---	36.24	50.00	13.76	L1	FLO	20.1
9.265020	42.93	---	60.00	17.07	L1	FLO	20.1
11.201280	---	34.45	50.00	15.55	L1	FLO	20.1
11.201280	40.88	---	60.00	19.12	L1	FLO	20.1
12.450750	---	34.65	50.00	15.35	L1	FLO	20.1
12.450750	41.05	---	60.00	18.95	L1	FLO	20.1
13.712820	---	34.17	50.00	15.83	L1	FLO	20.1
13.712820	40.86	---	60.00	19.14	L1	FLO	20.1
14.998740	---	34.09	50.00	15.91	L1	FLO	20.1
14.998740	41.04	---	60.00	18.96	L1	FLO	20.1
17.651220	---	33.79	50.00	16.21	L1	FLO	20.1
17.651220	41.25	---	60.00	18.75	L1	FLO	20.1
19.419900	---	34.14	50.00	15.86	L1	FLO	20.1
19.419900	41.70	---	60.00	18.30	L1	FLO	20.1
21.412500	---	33.99	50.00	16.01	L1	FLO	20.1
21.412500	41.60	---	60.00	18.40	L1	FLO	20.1
23.648190	---	33.57	50.00	16.43	L1	FLO	20.2
23.648190	41.41	---	60.00	18.59	L1	FLO	20.2
25.190250	---	33.21	50.00	16.79	L1	FLO	20.2
25.190250	41.17	---	60.00	18.83	L1	FLO	20.2

EUT Information

Report NO : 452002
 Test Mode : Mode 2
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.159000	---	35.70	55.52	19.82	N	FLO	19.9
0.159000	52.27	---	65.52	13.25	N	FLO	19.9
0.179250	---	34.49	54.52	20.03	N	FLO	19.9
0.179250	49.63	---	64.52	14.89	N	FLO	19.9
0.205710	---	33.55	53.38	19.83	N	FLO	19.9
0.205710	46.92	---	63.38	16.46	N	FLO	19.9
0.228750	---	34.66	52.50	17.84	N	FLO	19.9
0.228750	48.19	---	62.50	14.31	N	FLO	19.9
0.255750	---	39.37	51.57	12.20	N	FLO	19.9
0.255750	50.67	---	61.57	10.90	N	FLO	19.9
0.273750	---	38.31	51.00	12.69	N	FLO	19.9
0.273750	49.48	---	61.00	11.52	N	FLO	19.9
0.318300	---	30.00	49.75	19.75	N	FLO	19.9
0.318300	43.74	---	59.75	16.01	N	FLO	19.9
0.379230	---	30.30	48.30	18.00	N	FLO	19.9
0.379230	41.78	---	58.30	16.52	N	FLO	19.9
0.407760	---	35.74	47.69	11.95	N	FLO	19.9
0.407760	46.38	---	57.69	11.31	N	FLO	19.9
0.480030	---	29.61	46.34	16.73	N	FLO	19.9

0.480030	40.99	---	56.34	15.35	N	FLO	19.9
0.559050	---	24.56	46.00	21.44	N	FLO	19.9
0.559050	36.43	---	56.00	19.57	N	FLO	19.9
0.656250	---	26.26	46.00	19.74	N	FLO	19.9
0.656250	38.92	---	56.00	17.08	N	FLO	19.9
0.686310	---	26.60	46.00	19.40	N	FLO	19.9
0.686310	40.29	---	56.00	15.71	N	FLO	19.9
0.773250	---	25.57	46.00	20.43	N	FLO	19.9
0.773250	37.74	---	56.00	18.26	N	FLO	19.9
0.863070	---	26.24	46.00	19.76	N	FLO	19.9
0.863070	38.38	---	56.00	17.62	N	FLO	19.9
0.933900	---	26.05	46.00	19.95	N	FLO	19.9
0.933900	37.37	---	56.00	18.63	N	FLO	19.9
1.042170	---	26.20	46.00	19.80	N	FLO	20.0
1.042170	38.00	---	56.00	18.00	N	FLO	20.0
1.087530	---	26.27	46.00	19.73	N	FLO	20.0
1.087530	38.51	---	56.00	17.49	N	FLO	20.0
1.142250	---	25.77	46.00	20.23	N	FLO	20.0
1.142250	36.67	---	56.00	19.33	N	FLO	20.0
1.223070	---	26.91	46.00	19.09	N	FLO	20.0
1.223070	38.05	---	56.00	17.95	N	FLO	20.0
1.319280	---	25.05	46.00	20.95	N	FLO	20.0
1.319280	35.71	---	56.00	20.29	N	FLO	20.0
1.356540	---	25.25	46.00	20.75	N	FLO	20.0
1.356540	36.30	---	56.00	19.70	N	FLO	20.0
1.476510	---	26.27	46.00	19.73	N	FLO	20.0
1.476510	35.90	---	56.00	20.10	N	FLO	20.0
1.656780	---	24.70	46.00	21.30	N	FLO	20.0
1.656780	35.56	---	56.00	20.44	N	FLO	20.0
1.772250	---	24.81	46.00	21.19	N	FLO	20.0
1.772250	34.63	---	56.00	21.37	N	FLO	20.0
1.899690	---	24.15	46.00	21.85	N	FLO	20.0
1.899690	34.82	---	56.00	21.18	N	FLO	20.0
2.312250	---	22.61	46.00	23.39	N	FLO	20.0
2.312250	33.30	---	56.00	22.70	N	FLO	20.0
2.530500	---	22.35	46.00	23.65	N	FLO	20.0
2.530500	32.34	---	56.00	23.66	N	FLO	20.0
2.717250	---	22.51	46.00	23.49	N	FLO	20.0
2.717250	31.69	---	56.00	24.31	N	FLO	20.0
2.931000	---	23.07	46.00	22.93	N	FLO	20.0
2.931000	31.13	---	56.00	24.87	N	FLO	20.0
3.149250	---	23.12	46.00	22.88	N	FLO	20.0
3.149250	30.66	---	56.00	25.34	N	FLO	20.0
3.921000	---	24.62	46.00	21.38	N	FLO	20.0
3.921000	30.97	---	56.00	25.03	N	FLO	20.0
4.215480	---	25.35	46.00	20.65	N	FLO	20.0
4.215480	31.53	---	56.00	24.47	N	FLO	20.0
4.499250	---	26.29	46.00	19.71	N	FLO	20.0
4.499250	32.35	---	56.00	23.65	N	FLO	20.0
4.965450	---	27.64	46.00	18.36	N	FLO	20.0
4.965450	33.58	---	56.00	22.42	N	FLO	20.0
6.035190	---	30.39	50.00	19.61	N	FLO	20.0
6.035190	36.25	---	60.00	23.75	N	FLO	20.0
6.935820	---	31.89	50.00	18.11	N	FLO	20.1
6.935820	37.75	---	60.00	22.25	N	FLO	20.1
7.678320	---	32.33	50.00	17.67	N	FLO	20.1
7.678320	38.10	---	60.00	21.90	N	FLO	20.1
8.889000	---	31.79	50.00	18.21	N	FLO	20.1
8.889000	37.59	---	60.00	22.41	N	FLO	20.1
9.690000	---	33.22	50.00	16.78	N	FLO	20.1
9.690000	39.30	---	60.00	20.70	N	FLO	20.1
11.842980	---	33.33	50.00	16.67	N	FLO	20.1
11.842980	39.53	---	60.00	20.47	N	FLO	20.1
13.436250	---	34.15	50.00	15.85	N	FLO	20.1
13.436250	40.40	---	60.00	19.60	N	FLO	20.1
14.815680	---	33.20	50.00	16.80	N	FLO	20.2
14.815680	39.77	---	60.00	20.23	N	FLO	20.2
16.770750	---	33.24	50.00	16.76	N	FLO	20.2
16.770750	40.13	---	60.00	19.87	N	FLO	20.2
20.401350	---	33.48	50.00	16.52	N	FLO	20.2
20.401350	40.80	---	60.00	19.20	N	FLO	20.2

22.475220	---	33.30	50.00	16.70	N	FLO	20.2
22.475220	40.62	---	60.00	19.38	N	FLO	20.2
25.049580	---	32.57	50.00	17.43	N	FLO	20.2
25.049580	40.04	---	60.00	19.96	N	FLO	20.2



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Jack Cheng, Ray Lung and Sky Chang	Temperature :	18~26°C
		Relative Humidity :	50~70%

Note symbol

-L	Low channel location
-R	High channel location

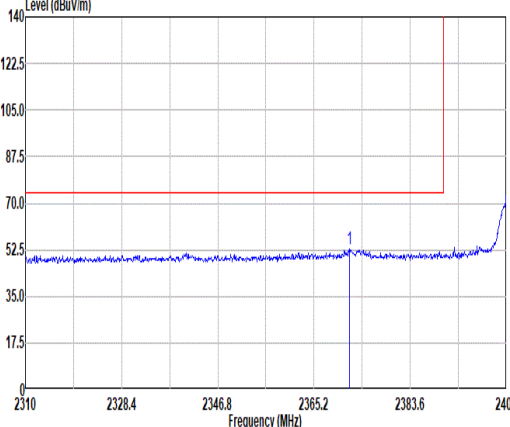
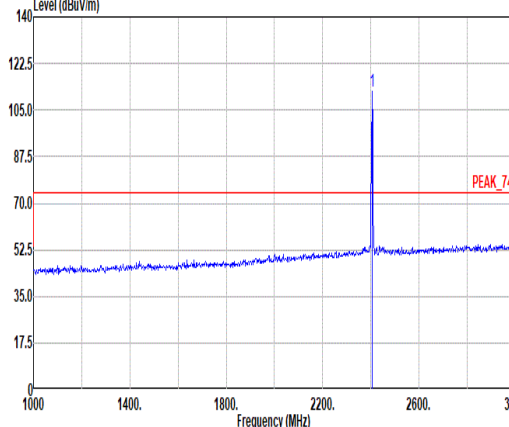
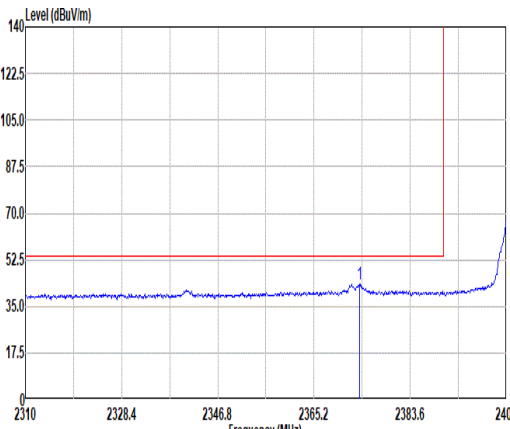
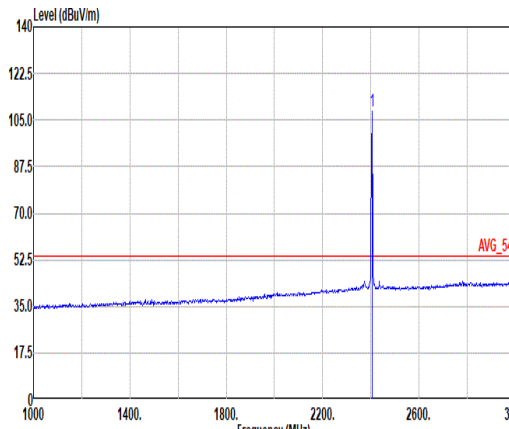
C1. Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 9	2400-2483.5	2	IEEE 802.15.4	11	2405	250k	-	-
Mode 10	2400-2483.5	2	IEEE 802.15.4	18	2440	250k	-	-
Mode 11	2400-2483.5	2	IEEE 802.15.4	25	2475	250k	-	-
Mode 12	2400-2483.5	2	IEEE 802.15.4	26	2480	250k	-	-
Mode 13	2400-2483.5	2	IEEE 802.15.4	26	2480	250k	-	LF
Mode 14	2400-2483.5	2	IEEE 802.15.4	26	2480	250k	-	SHF

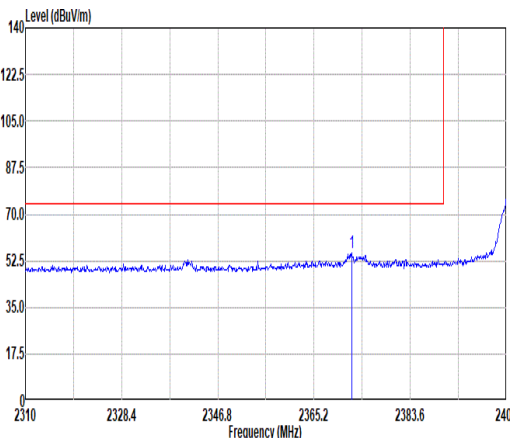
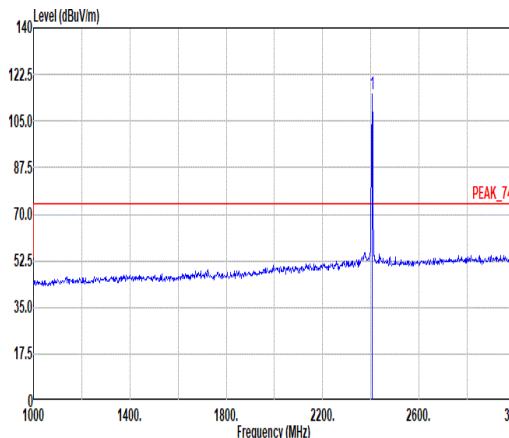
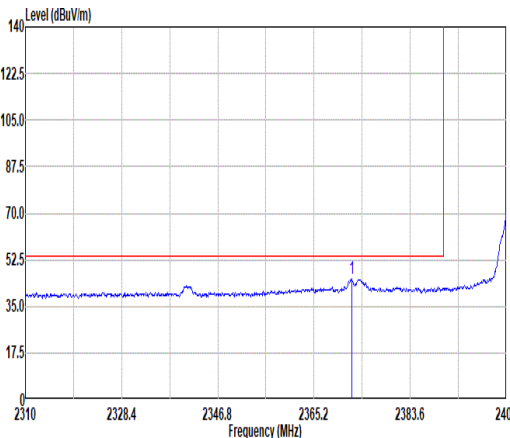
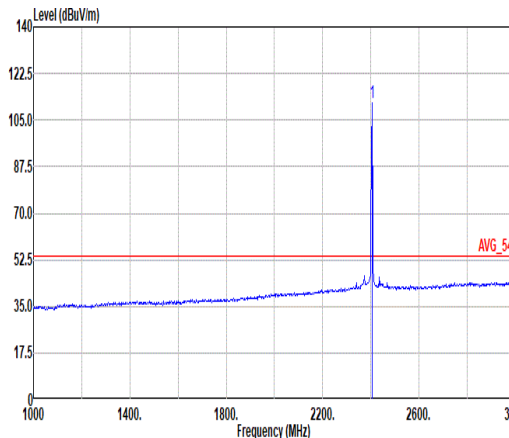
**C2. Summary of each worse mode**

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
9	IEEE 802.15.4	11	2372.38	45.39	54.00	-8.61	V	Avg.	Pass	-	Band Edge
	IEEE 802.15.4	11	12025.00	50.79	54.00	-3.21	V	Avg.	Pass	-	Harmonic
10	IEEE 802.15.4	18	-	-	-	-	-	-	-	-	Band Edge
	IEEE 802.15.4	18	12200.00	50.71	54.00	-3.29	V	Avg.	Pass	-	Harmonic
11	IEEE 802.15.4	25	2483.76	42.87	54.00	-11.13	V	Avg.	Pass	-	Band Edge
	IEEE 802.15.4	25	12375.00	50.18	54.00	-3.82	V	Avg.	Pass	-	Harmonic
12	IEEE 802.15.4	26	2483.52	53.55	54.00	-0.45	V	Avg.	Pass	-	Band Edge
	IEEE 802.15.4	26	7440.00	37.84	54.00	-16.16	V	Avg.	Pass	-	Harmonic
13	LF	26	73.65	33.60	40.00	-6.40	V	Peak	Pass	-	LF
14	SHF	26	18775.84	39.85	74.00	-34.15	H	Peak	Pass	-	SHF

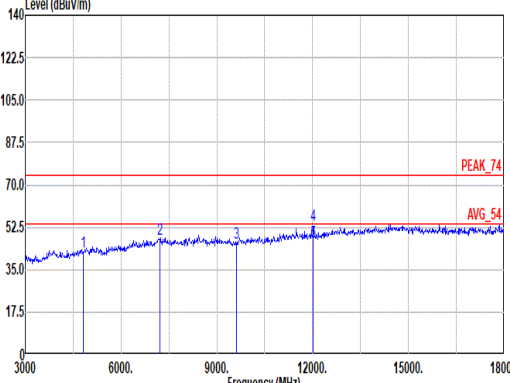
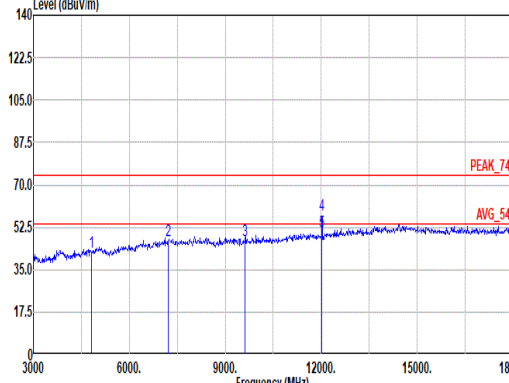


Mode	9																																																																																																		
	Band Edge																																																																																																		
	2400-2483.5_ IEEE 802.15.4_CH11_2405MHz																																																																																																		
ANT	2																																																																																																		
Pol.	Horizontal						Fundamental																																																																																												
Peak																																																																																																			
	Site : 03CH21-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto						Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																																												
	<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>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></thead><tbody><tr><td>1</td><td>2372.01</td><td>52.81</td><td>74.00</td><td>-21.19</td><td>39.95</td><td>27.08</td><td>8.41</td><td>32.66</td><td>10.03</td><td>341</td><td>335</td><td>PEAK</td></tr></tbody></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	2372.01	52.81	74.00	-21.19	39.95	27.08	8.41	32.66	10.03	341	335	PEAK	<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>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></thead><tbody><tr><td>1</td><td>2405.00</td><td>111.96</td><td>-----</td><td>-----</td><td>99.08</td><td>27.06</td><td>8.47</td><td>32.68</td><td>10.03</td><td>341</td><td>335</td><td>PEAK</td></tr></tbody></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	2405.00	111.96	-----	-----	99.08	27.06	8.47	32.68	10.03	341	335
	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	2372.01	52.81	74.00	-21.19	39.95	27.08	8.41	32.66	10.03	341	335	PEAK																																																																																							
	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	2405.00	111.96	-----	-----	99.08	27.06	8.47	32.68	10.03	341	335	PEAK																																																																																							
Avg																																																																																																			
	Site : 03CH21-HY Condition: AVG_BE_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto						Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																																												
	<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>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></thead><tbody><tr><td>1</td><td>2373.05</td><td>43.36</td><td>54.00</td><td>-10.64</td><td>30.52</td><td>27.06</td><td>8.41</td><td>32.66</td><td>10.03</td><td>341</td><td>335</td><td>AVERAGE</td></tr></tbody></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	2373.05	43.36	54.00	-10.64	30.52	27.06	8.41	32.66	10.03	341	335	AVERAGE	<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>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></thead><tbody><tr><td>1</td><td>2405.00</td><td>108.28</td><td>-----</td><td>-----</td><td>95.40</td><td>27.06</td><td>8.47</td><td>32.68</td><td>10.03</td><td>341</td><td>335</td><td>AVERAGE</td></tr></tbody></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	2405.00	108.28	-----	-----	95.40	27.06	8.47	32.68	10.03	341	335
	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	2373.05	43.36	54.00	-10.64	30.52	27.06	8.41	32.66	10.03	341	335	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	2405.00	108.28	-----	-----	95.40	27.06	8.47	32.68	10.03	341	335	AVERAGE																																																																																							

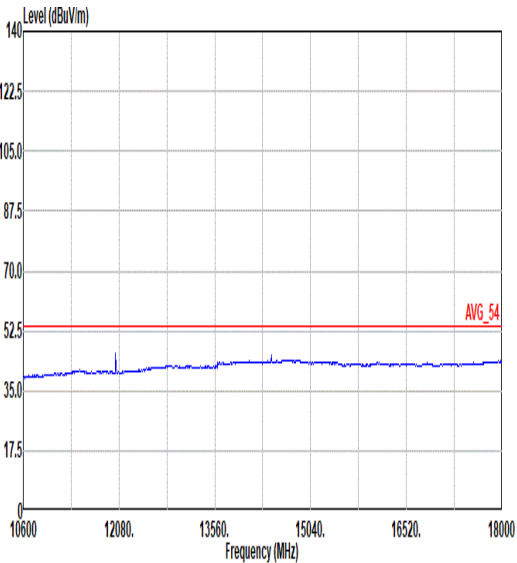
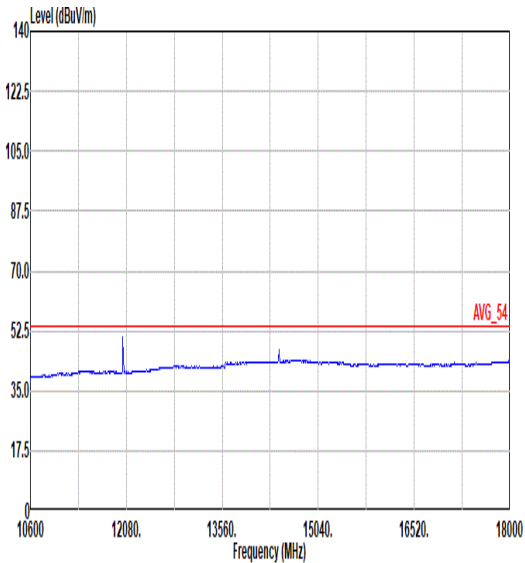


		9																																																																																													
Mode		Band Edge																																																																																													
		2400-2483.5_IIEEE 802.15.4_CH11_2405MHz																																																																																													
ANT		2																																																																																													
Pol.	Vertical					Fundamental																																																																																									
Peak																																																																																															
	Site : 03CH21-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto <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>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></thead><tbody><tr><td>1 2372.38</td><td>55.22</td><td>74.00</td><td>-18.78</td><td>42.36</td><td>27.08</td><td>8.41</td><td>32.66</td><td>10.03</td><td>340</td><td>290</td><td>PEAK</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	dB	cm	deg	1 2372.38	55.22	74.00	-18.78	42.36	27.08	8.41	32.66	10.03	340	290	PEAK	Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto <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>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></thead><tbody><tr><td>1 2405.00</td><td>115.16</td><td>-----</td><td>-----</td><td>102.28</td><td>27.06</td><td>8.47</td><td>32.68</td><td>10.03</td><td>340</td><td>290</td><td>PEAK</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	dB	cm	deg	1 2405.00	115.16	-----	-----	102.28	27.06	8.47	32.68	10.03	340	290
	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 2372.38	55.22	74.00	-18.78	42.36	27.08	8.41	32.66	10.03	340	290	PEAK																																																																																				
	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 2405.00	115.16	-----	-----	102.28	27.06	8.47	32.68	10.03	340	290	PEAK																																																																																				
Avg																																																																																															
	Site : 03CH21-HY Condition: AVG_BE_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto <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>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></thead><tbody><tr><td>1 2372.38</td><td>45.39</td><td>54.00</td><td>-8.61</td><td>32.53</td><td>27.08</td><td>8.41</td><td>32.66</td><td>10.03</td><td>340</td><td>290</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	dB	cm	deg	1 2372.38	45.39	54.00	-8.61	32.53	27.08	8.41	32.66	10.03	340	290	AVERAGE	Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto <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>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></thead><tbody><tr><td>1 2405.00</td><td>111.41</td><td>-----</td><td>-----</td><td>96.53</td><td>27.06</td><td>8.47</td><td>32.68</td><td>10.03</td><td>340</td><td>290</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	dB	cm	deg	1 2405.00	111.41	-----	-----	96.53	27.06	8.47	32.68	10.03	340	290
	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 2372.38	45.39	54.00	-8.61	32.53	27.08	8.41	32.66	10.03	340	290	AVERAGE																																																																																				
	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 2405.00	111.41	-----	-----	96.53	27.06	8.47	32.68	10.03	340	290	AVERAGE																																																																																				

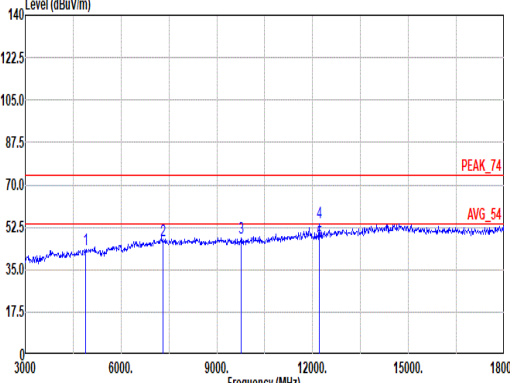
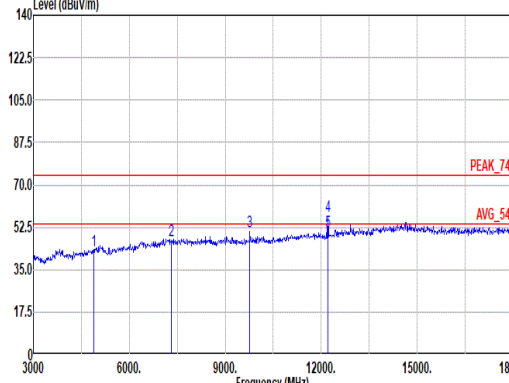


Mode	9																																																																																																										
	Harmonic																																																																																																										
	2400-2483.5_IIEEE 802.15.4_CH11_2405MHz																																																																																																										
ANT	2																																																																																																										
Pol.	Horizontal						Vertical																																																																																																				
Peak Avg																																																																																																											
	Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL						Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 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></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>4810.00</td><td>42.49</td><td>74.00</td><td>-31.51</td><td>31.35</td><td>32.34</td><td>12.26</td><td>33.98</td><td>0.52</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>7215.00</td><td>47.38</td><td>74.00</td><td>-26.62</td><td>31.43</td><td>36.83</td><td>15.02</td><td>36.36</td><td>0.46</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>3</td><td>9620.00</td><td>46.11</td><td>74.00</td><td>-27.89</td><td>30.50</td><td>36.96</td><td>17.43</td><td>39.11</td><td>0.33</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>4</td><td>12025.00</td><td>53.51</td><td>74.00</td><td>-20.49</td><td>36.02</td><td>38.65</td><td>19.51</td><td>41.34</td><td>0.67</td><td>392</td><td>172</td><td>PEAK</td></tr><tr><td>5</td><td>12025.00</td><td>46.23</td><td>54.00</td><td>-7.77</td><td>28.74</td><td>38.65</td><td>19.51</td><td>41.34</td><td>0.67</td><td>392</td><td>172</td><td>AVERAGE</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	4810.00	42.49	74.00	-31.51	31.35	32.34	12.26	33.98	0.52	--	--	PEAK	2	7215.00	47.38	74.00	-26.62	31.43	36.83	15.02	36.36	0.46	--	--	PEAK	3	9620.00	46.11	74.00	-27.89	30.50	36.96	17.43	39.11	0.33	--	--	PEAK	4	12025.00	53.51	74.00	-20.49	36.02	38.65	19.51	41.34	0.67	392	172	PEAK	5	12025.00	46.23	54.00	-7.77	28.74	38.65	19.51	41.34	0.67	392	172	AVERAGE
	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	4810.00	42.49	74.00	-31.51	31.35	32.34	12.26	33.98	0.52	--	--	PEAK																																																																																															
2	7215.00	47.38	74.00	-26.62	31.43	36.83	15.02	36.36	0.46	--	--	PEAK																																																																																															
3	9620.00	46.11	74.00	-27.89	30.50	36.96	17.43	39.11	0.33	--	--	PEAK																																																																																															
4	12025.00	53.51	74.00	-20.49	36.02	38.65	19.51	41.34	0.67	392	172	PEAK																																																																																															
5	12025.00	46.23	54.00	-7.77	28.74	38.65	19.51	41.34	0.67	392	172	AVERAGE																																																																																															

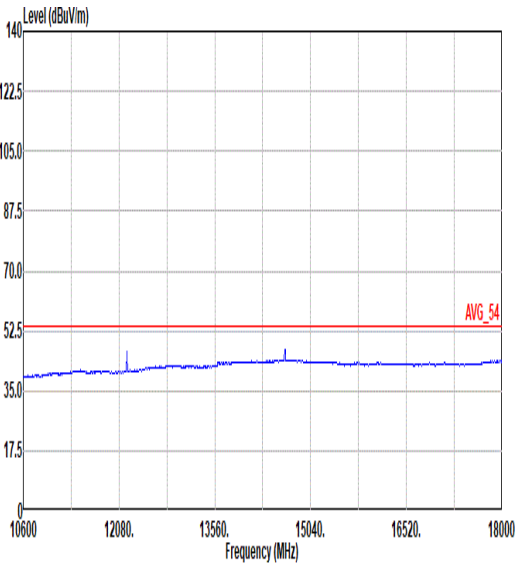
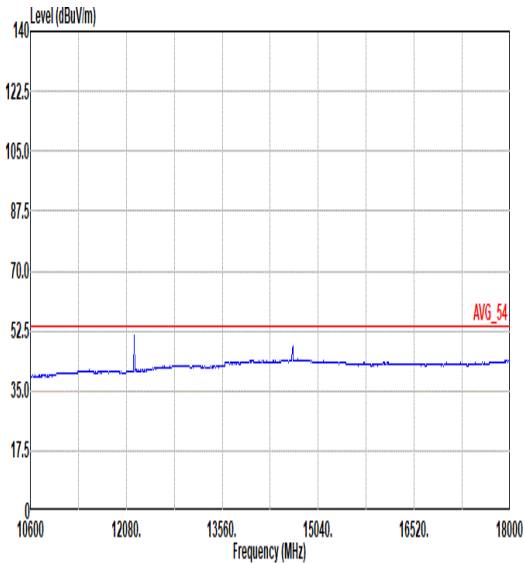


Mode	9	
	Harmonic	
	2400-2483.5_IIEEE 802.15.4_CH11_2405MHz	
ANT	2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL



	10																																																																																														
Mode	Harmonic																																																																																														
	2400-2483.5_ IEEE 802.15.4_CH18_2440MHz																																																																																														
ANT	2																																																																																														
Pol.	Horizontal								Vertical																																																																																						
Peak Avg																																																																																															
	Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 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></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></th></tr><tr><td>1</td><td>4800.00</td><td>43.11</td><td>74.00</td><td>-30.89</td><td>31.78</td><td>32.56</td><td>12.26</td><td>33.97</td><td>0.48 -- -- PEAK</td></tr><tr><td>2</td><td>7320.00</td><td>47.26</td><td>74.00</td><td>-26.74</td><td>31.12</td><td>37.00</td><td>15.12</td><td>36.42</td><td>0.44 -- -- PEAK</td></tr><tr><td>3</td><td>9760.00</td><td>47.94</td><td>74.00</td><td>-26.06</td><td>31.76</td><td>37.28</td><td>17.59</td><td>39.14</td><td>0.45 -- -- PEAK</td></tr><tr><td>4</td><td>12200.00</td><td>54.46</td><td>74.00</td><td>-19.54</td><td>36.67</td><td>38.00</td><td>19.66</td><td>41.32</td><td>0.65 400 173 PEAK</td></tr><tr><td>5</td><td>12200.00</td><td>46.34</td><td>54.00</td><td>-7.66</td><td>28.55</td><td>38.00</td><td>19.66</td><td>41.32</td><td>0.65 400 173 AVERAGE</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		1	4800.00	43.11	74.00	-30.89	31.78	32.56	12.26	33.97	0.48 -- -- PEAK	2	7320.00	47.26	74.00	-26.74	31.12	37.00	15.12	36.42	0.44 -- -- PEAK	3	9760.00	47.94	74.00	-26.06	31.76	37.28	17.59	39.14	0.45 -- -- PEAK	4	12200.00	54.46	74.00	-19.54	36.67	38.00	19.66	41.32	0.65 400 173 PEAK	5	12200.00	46.34	54.00	-7.66	28.55	38.00	19.66	41.32
	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																																																																																							
1	4800.00	43.11	74.00	-30.89	31.78	32.56	12.26	33.97	0.48 -- -- PEAK																																																																																						
2	7320.00	47.26	74.00	-26.74	31.12	37.00	15.12	36.42	0.44 -- -- PEAK																																																																																						
3	9760.00	47.94	74.00	-26.06	31.76	37.28	17.59	39.14	0.45 -- -- PEAK																																																																																						
4	12200.00	54.46	74.00	-19.54	36.67	38.00	19.66	41.32	0.65 400 173 PEAK																																																																																						
5	12200.00	46.34	54.00	-7.66	28.55	38.00	19.66	41.32	0.65 400 173 AVERAGE																																																																																						
Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 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></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></th></tr><tr><td>1</td><td>4800.00</td><td>42.76</td><td>74.00</td><td>-31.24</td><td>31.43</td><td>32.56</td><td>12.26</td><td>33.97</td><td>0.48 -- -- PEAK</td></tr><tr><td>2</td><td>7320.00</td><td>47.19</td><td>74.00</td><td>-26.81</td><td>31.05</td><td>37.00</td><td>15.12</td><td>36.42</td><td>0.44 -- -- PEAK</td></tr><tr><td>3</td><td>9760.00</td><td>50.53</td><td>74.00</td><td>-23.47</td><td>34.35</td><td>37.28</td><td>17.59</td><td>39.14</td><td>0.45 -- -- PEAK</td></tr><tr><td>4</td><td>12200.00</td><td>57.25</td><td>74.00</td><td>-16.75</td><td>39.46</td><td>38.00</td><td>19.66</td><td>41.32</td><td>0.65 400 291 PEAK</td></tr><tr><td>5</td><td>12200.00</td><td>50.71</td><td>54.00</td><td>-3.29</td><td>32.92</td><td>38.00</td><td>19.66</td><td>41.32</td><td>0.65 400 291 AVERAGE</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		1	4800.00	42.76	74.00	-31.24	31.43	32.56	12.26	33.97	0.48 -- -- PEAK	2	7320.00	47.19	74.00	-26.81	31.05	37.00	15.12	36.42	0.44 -- -- PEAK	3	9760.00	50.53	74.00	-23.47	34.35	37.28	17.59	39.14	0.45 -- -- PEAK	4	12200.00	57.25	74.00	-16.75	39.46	38.00	19.66	41.32	0.65 400 291 PEAK	5	12200.00	50.71	54.00	-3.29	32.92	38.00	19.66	41.32	0.65 400 291 AVERAGE
	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																																																																																							
1	4800.00	42.76	74.00	-31.24	31.43	32.56	12.26	33.97	0.48 -- -- PEAK																																																																																						
2	7320.00	47.19	74.00	-26.81	31.05	37.00	15.12	36.42	0.44 -- -- PEAK																																																																																						
3	9760.00	50.53	74.00	-23.47	34.35	37.28	17.59	39.14	0.45 -- -- PEAK																																																																																						
4	12200.00	57.25	74.00	-16.75	39.46	38.00	19.66	41.32	0.65 400 291 PEAK																																																																																						
5	12200.00	50.71	54.00	-3.29	32.92	38.00	19.66	41.32	0.65 400 291 AVERAGE																																																																																						

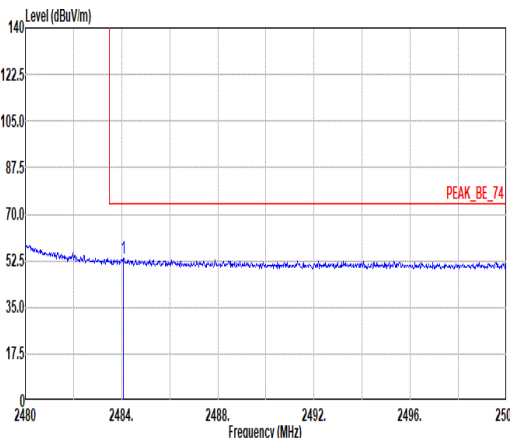
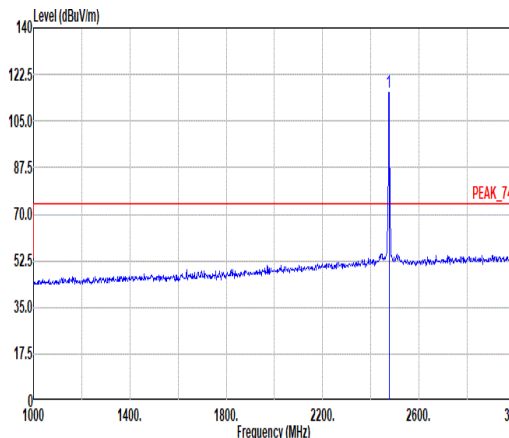
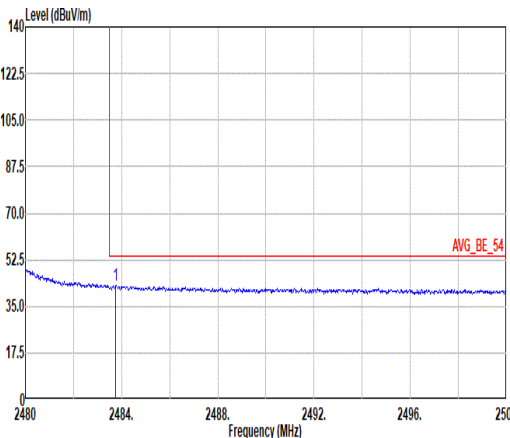
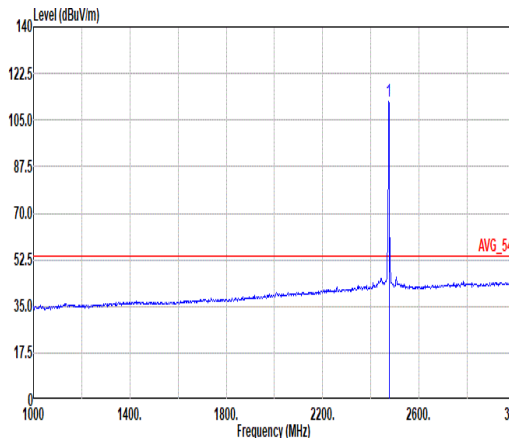


Mode	10	
	Harmonic	
	2400-2483.5_IIEEE 802.15.4_CH18_2440MHz	
ANT	2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL

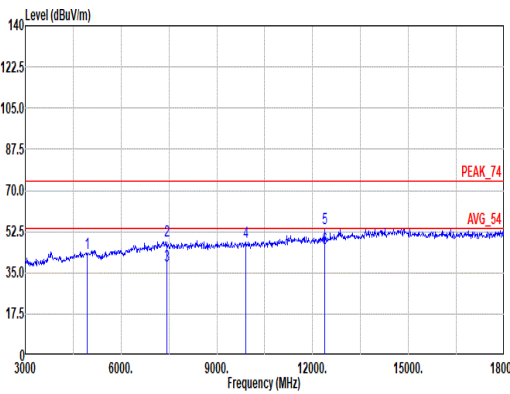


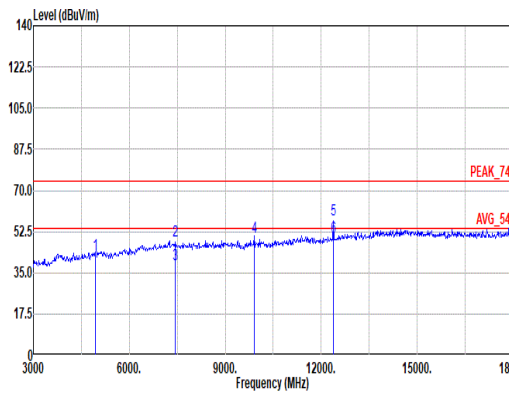
		11										
Mode		Band Edge										
		2400-2483.5_ IEEE 802.15.4_CH25_2475MHz										
ANT		2										
Pol.		Horizontal										
Peak		Level (dBuV/m) <										



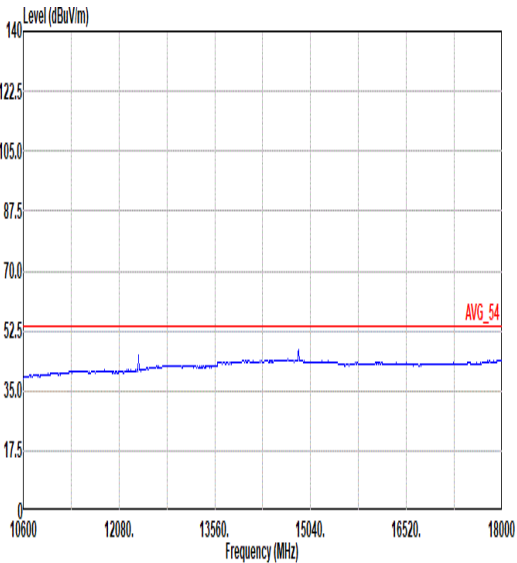
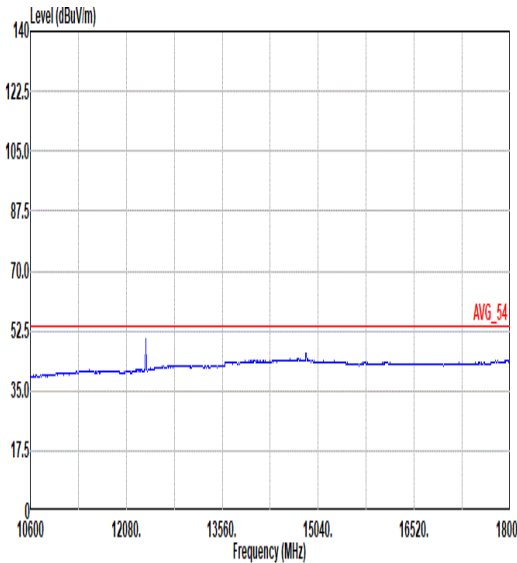
		11																																																																																																	
Mode	Band Edge																																																																																																		
	2400-2483.5_ IEEE 802.15.4_CH25_2475MHz																																																																																																		
ANT	2																																																																																																		
Pol.	Vertical						Fundamental																																																																																												
Peak																																																																																																			
	Site : 03CH21-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto						Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto																																																																																												
<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>2484.06</td><td>53.32</td><td>74.00</td><td>-20.68</td><td>40.51</td><td>26.90</td><td>8.61</td><td>32.73</td><td>10.03</td><td>400</td><td>294</td><td>PEAK</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	2484.06	53.32	74.00	-20.68	40.51	26.90	8.61	32.73	10.03	400	294	PEAK	<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>2475.00</td><td>115.62</td><td>-----</td><td>-----</td><td>102.86</td><td>26.86</td><td>8.60</td><td>32.73</td><td>10.03</td><td>400</td><td>294</td><td>PEAK</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	2475.00	115.62	-----	-----	102.86	26.86	8.60	32.73	10.03	400	294	PEAK
	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	2484.06	53.32	74.00	-20.68	40.51	26.90	8.61	32.73	10.03	400	294	PEAK																																																																																							
	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	2475.00	115.62	-----	-----	102.86	26.86	8.60	32.73	10.03	400	294	PEAK																																																																																							
Avg																																																																																																			
	Site : 03CH21-HY Condition: AVG_BE_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto						Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto																																																																																												
<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>2483.76</td><td>42.87</td><td>54.00</td><td>-11.13</td><td>30.06</td><td>26.90</td><td>8.61</td><td>32.73</td><td>10.03</td><td>400</td><td>294</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	2483.76	42.87	54.00	-11.13	30.06	26.90	8.61	32.73	10.03	400	294	AVERAGE	<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>2475.00</td><td>112.16</td><td>-----</td><td>-----</td><td>99.42</td><td>26.84</td><td>8.59</td><td>32.72</td><td>10.03</td><td>400</td><td>294</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	2475.00	112.16	-----	-----	99.42	26.84	8.59	32.72	10.03	400	294	AVERAGE
	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	2483.76	42.87	54.00	-11.13	30.06	26.90	8.61	32.73	10.03	400	294	AVERAGE																																																																																							
	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	2475.00	112.16	-----	-----	99.42	26.84	8.59	32.72	10.03	400	294	AVERAGE																																																																																							



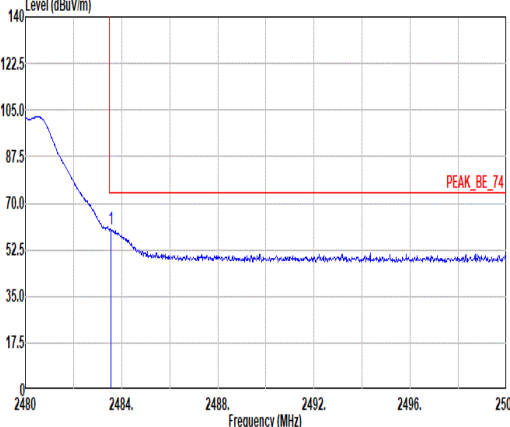
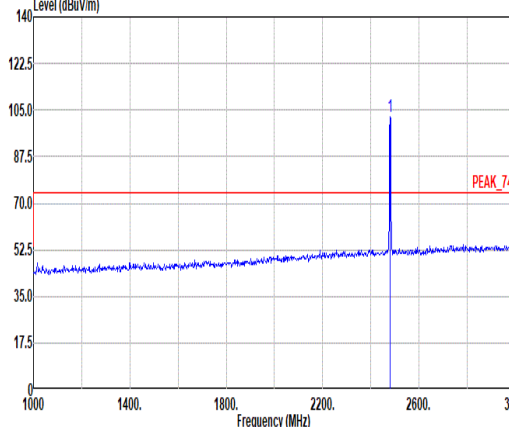
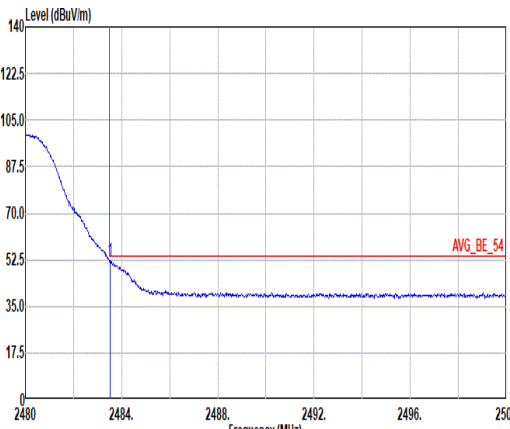
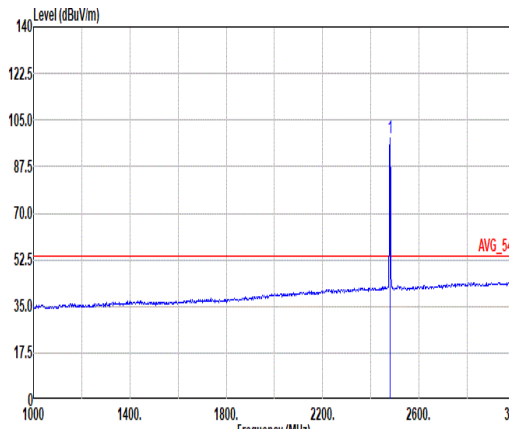
Mode	11												
	Harmonic												
	2400-2483.5_IIEEE 802.15.4_CH25_2475MHz												
ANT	2												
Pol.	Horizontal												
Peak Avg													
	Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL												
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	
1	4950.00	43.33	74.00	-30.67	31.90	32.70	12.26	33.97	0.44	--	--	--	PEAK
2	7425.00	48.66	74.00	-25.34	32.60	36.90	15.23	36.48	0.41	--	--	--	PEAK
3	7425.00	38.10	54.00	-15.90	22.04	36.90	15.23	36.48	0.41	--	--	--	AVERAGE
4	9900.00	47.90	74.00	-26.10	31.62	37.30	17.71	39.17	0.44	--	--	--	PEAK
5	12375.00	53.97	74.00	-20.03	35.92	38.90	19.81	41.29	0.63	400	163	PEAK	
6	12375.00	45.20	54.00	-8.80	27.15	38.90	19.81	41.29	0.63	400	163	AVERAGE	

Peak Avg													
	Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 VERTICAL												
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	
1	4950.00	43.05	74.00	-30.95	31.62	32.70	12.26	33.97	0.44	--	--	--	PEAK
2	7425.00	48.84	74.00	-25.16	32.78	36.90	15.23	36.48	0.41	--	--	--	PEAK
3	7425.00	38.64	54.00	-15.36	22.58	36.90	15.23	36.48	0.41	--	--	--	AVERAGE
4	9900.00	50.15	74.00	-23.85	33.87	37.30	17.71	39.17	0.44	--	--	--	PEAK
5	12375.00	57.33	74.00	-16.67	39.28	38.90	19.81	41.29	0.63	400	295	PEAK	
6	12375.00	50.18	54.00	-3.82	32.13	38.90	19.81	41.29	0.63	400	295	AVERAGE	



Mode	11	
	Harmonic	
	2400-2483.5_IIEEE 802.15.4_CH25_2475MHz	
ANT	2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL

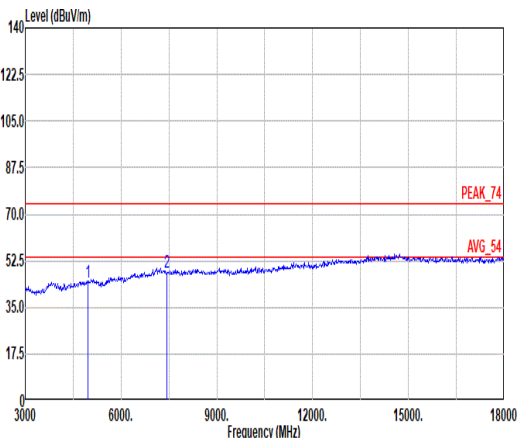
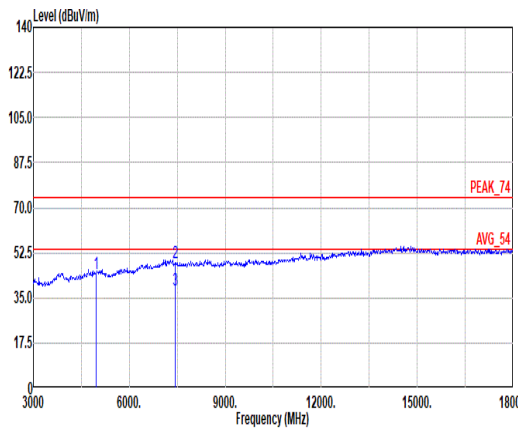


Mode	12																																																																																													
	Band Edge																																																																																													
	2400-2483.5_ IEEE 802.15.4_CH26_2480MHz																																																																																													
ANT	2																																																																																													
Pol.	Horizontal						Fundamental																																																																																							
Peak																																																																																														
	Site : 03CH21-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto						Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																																							
	<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>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></thead><tbody><tr><td>1 2483.54</td><td>60.21</td><td>74.00</td><td>-13.79</td><td>47.40</td><td>26.90</td><td>8.61</td><td>32.73</td><td>10.03</td><td>397</td><td>324 PEAK</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	dB	cm	deg	1 2483.54	60.21	74.00	-13.79	47.40	26.90	8.61	32.73	10.03	397	324 PEAK	<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>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></thead><tbody><tr><td>1 2480.00</td><td>102.75</td><td>-----</td><td>-----</td><td>89.95</td><td>26.90</td><td>8.60</td><td>32.73</td><td>10.03</td><td>397</td><td>324 PEAK</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	dB	cm	deg	1 2480.00	102.75	-----	-----	89.95	26.90	8.60	32.73	10.03	397
	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 2483.54	60.21	74.00	-13.79	47.40	26.90	8.61	32.73	10.03	397	324 PEAK																																																																																				
	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 2480.00	102.75	-----	-----	89.95	26.90	8.60	32.73	10.03	397	324 PEAK																																																																																				
Avg																																																																																														
	Site : 03CH21-HY Condition: AVG_BE_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto						Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																																							
	<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>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></thead><tbody><tr><td>1 2483.52</td><td>52.17</td><td>54.00</td><td>-1.83</td><td>39.36</td><td>26.90</td><td>8.61</td><td>32.73</td><td>10.03</td><td>397</td><td>324 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	dB	cm	deg	1 2483.52	52.17	54.00	-1.83	39.36	26.90	8.61	32.73	10.03	397	324 AVERAGE	<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>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></thead><tbody><tr><td>1 2480.00</td><td>98.44</td><td>-----</td><td>-----</td><td>85.64</td><td>26.90</td><td>8.60</td><td>32.73</td><td>10.03</td><td>397</td><td>324 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	dB	cm	deg	1 2480.00	98.44	-----	-----	85.64	26.90	8.60	32.73	10.03	397
	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 2483.52	52.17	54.00	-1.83	39.36	26.90	8.61	32.73	10.03	397	324 AVERAGE																																																																																				
	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 2480.00	98.44	-----	-----	85.64	26.90	8.60	32.73	10.03	397	324 AVERAGE																																																																																				

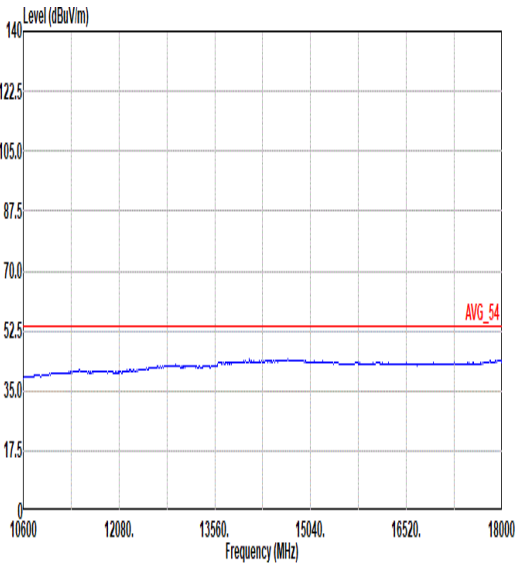
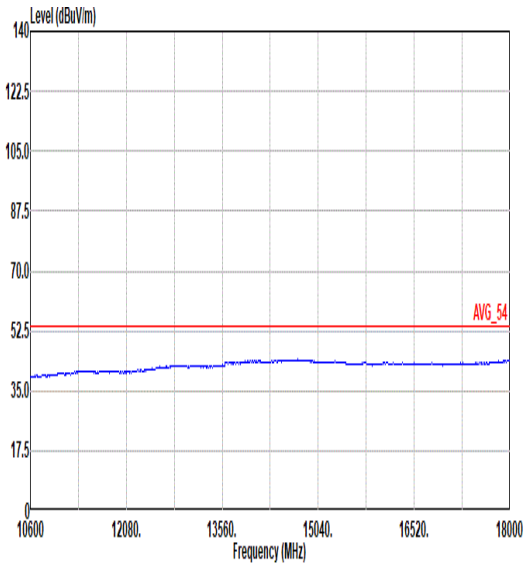


		12																																																																	
Mode	Band Edge																																																																		
	2400-2483.5_ IEEE 802.15.4_CH26_2480MHz																																																																		
ANT	2																																																																		
Pol.	Vertical																																																																		
Peak																																																																			
	Site : 03CH21-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																		
	<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 colspan="4"></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><th colspan="4"></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><th colspan="2"></th></tr></thead><tbody><tr><td>1</td><td>2483.52</td><td>61.65</td><td>74.00</td><td>-12.35</td><td>48.84</td><td>26.90</td><td>8.61</td><td>32.73</td><td>10.03</td><td>400</td><td>296</td><td colspan="2">PEAK</td></tr></tbody></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	dBuV	dB/m	dB	dB	dB	cm	deg			1	2483.52	61.65	74.00	-12.35	48.84	26.90	8.61	32.73	10.03	400	296	PEAK
	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	dBuV	dB/m	dB	dB	dB	cm	deg																																																								
1	2483.52	61.65	74.00	-12.35	48.84	26.90	8.61	32.73	10.03	400	296	PEAK																																																							
Fundamental																																																																			
	Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																		
	<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 colspan="4"></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><th colspan="4"></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><th colspan="2"></th></tr></thead><tbody><tr><td>1</td><td>2480.00</td><td>104.00</td><td>-----</td><td>-----</td><td>91.20</td><td>26.90</td><td>8.60</td><td>32.73</td><td>10.03</td><td>400</td><td>296</td><td colspan="2">PEAK</td></tr></tbody></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	dBuV	dB/m	dB	dB	dB	cm	deg			1	2480.00	104.00	-----	-----	91.20	26.90	8.60	32.73	10.03	400	296	PEAK
	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	dBuV	dB/m	dB	dB	dB	cm	deg																																																								
1	2480.00	104.00	-----	-----	91.20	26.90	8.60	32.73	10.03	400	296	PEAK																																																							
Avg																																																																			
	Site : 03CH21-HY Condition: AVG_BE_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																		
	<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 colspan="4"></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><th colspan="4"></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><th colspan="2"></th></tr></thead><tbody><tr><td>1</td><td>2483.52</td><td>53.55</td><td>54.00</td><td>-0.45</td><td>40.74</td><td>26.90</td><td>8.61</td><td>32.73</td><td>10.03</td><td>400</td><td>296</td><td colspan="2">AVERAGE</td></tr></tbody></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	dBuV	dB/m	dB	dB	dB	cm	deg			1	2483.52	53.55	54.00	-0.45	40.74	26.90	8.61	32.73	10.03	400	296	AVERAGE
	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	dBuV	dB/m	dB	dB	dB	cm	deg																																																								
1	2483.52	53.55	54.00	-0.45	40.74	26.90	8.61	32.73	10.03	400	296	AVERAGE																																																							
Fundamental																																																																			
	Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto																																																																		
	<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 colspan="4"></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><th colspan="4"></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><th colspan="2"></th></tr></thead><tbody><tr><td>1</td><td>2480.00</td><td>99.52</td><td>-----</td><td>-----</td><td>86.72</td><td>26.90</td><td>8.60</td><td>32.73</td><td>10.03</td><td>400</td><td>296</td><td colspan="2">AVERAGE</td></tr></tbody></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	dBuV	dB/m	dB	dB	dB	cm	deg			1	2480.00	99.52	-----	-----	86.72	26.90	8.60	32.73	10.03	400	296	AVERAGE
	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	dBuV	dB/m	dB	dB	dB	cm	deg																																																								
1	2480.00	99.52	-----	-----	86.72	26.90	8.60	32.73	10.03	400	296	AVERAGE																																																							

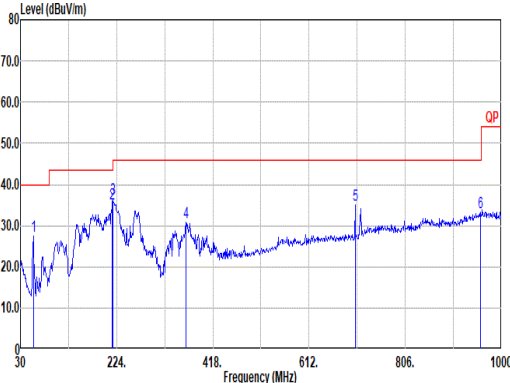
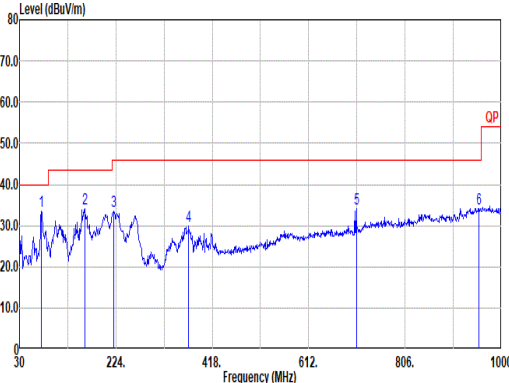


Mode	12																																																																																																																															
	Harmonic																																																																																																																															
	2400-2483.5_IIEEE 802.15.4_CH26_2480MHz																																																																																																																															
ANT	2																																																																																																																															
Pol.	Horizontal						Vertical																																																																																																																									
Peak Avg																																																																																																																																
	Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL						Site : 03CH21-HY Condition: PEAK_74 3m DRH18-E_LE2C03A18EN_230712 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>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 deg</th></tr><tr><td>1</td><td>4960.00</td><td>44.31</td><td>74.00</td><td>-29.69</td><td>32.89</td><td>32.70</td><td>12.26</td><td>33.97</td><td>0.43 -- -- PEAK</td></tr><tr><td>2</td><td>7440.00</td><td>47.87</td><td>74.00</td><td>-26.13</td><td>31.00</td><td>36.90</td><td>15.25</td><td>36.49</td><td>0.41 -- -- 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	dB	cm deg	1	4960.00	44.31	74.00	-29.69	32.89	32.70	12.26	33.97	0.43 -- -- PEAK	2	7440.00	47.87	74.00	-26.13	31.00	36.90	15.25	36.49	0.41 -- -- PEAK	<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>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 deg</th></tr><tr><td>1</td><td>4960.00</td><td>44.54</td><td>74.00</td><td>-29.46</td><td>33.12</td><td>32.70</td><td>12.26</td><td>33.97</td><td>0.43 -- -- PEAK</td></tr><tr><td>2</td><td>7440.00</td><td>48.43</td><td>74.00</td><td>-25.57</td><td>32.36</td><td>36.90</td><td>15.25</td><td>36.49</td><td>0.41 -- -- PEAK</td></tr><tr><td>3</td><td>7440.00</td><td>37.84</td><td>54.00</td><td>-16.16</td><td>21.77</td><td>36.90</td><td>15.25</td><td>36.49</td><td>0.41 -- -- 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	4960.00	44.54	74.00	-29.46	33.12	32.70	12.26	33.97	0.43 -- -- PEAK	2	7440.00	48.43	74.00	-25.57	32.36	36.90	15.25	36.49	0.41 -- -- PEAK	3	7440.00	37.84	54.00	-16.16	21.77	36.90	15.25	36.49	0.41 -- -- 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	4960.00	44.31	74.00	-29.69	32.89	32.70	12.26	33.97	0.43 -- -- PEAK																																																																																																																							
2	7440.00	47.87	74.00	-26.13	31.00	36.90	15.25	36.49	0.41 -- -- PEAK																																																																																																																							
	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	4960.00	44.54	74.00	-29.46	33.12	32.70	12.26	33.97	0.43 -- -- PEAK																																																																																																																							
2	7440.00	48.43	74.00	-25.57	32.36	36.90	15.25	36.49	0.41 -- -- PEAK																																																																																																																							
3	7440.00	37.84	54.00	-16.16	21.77	36.90	15.25	36.49	0.41 -- -- AVERAGE																																																																																																																							

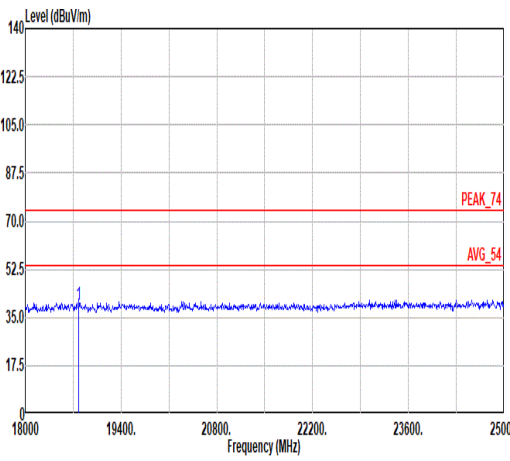
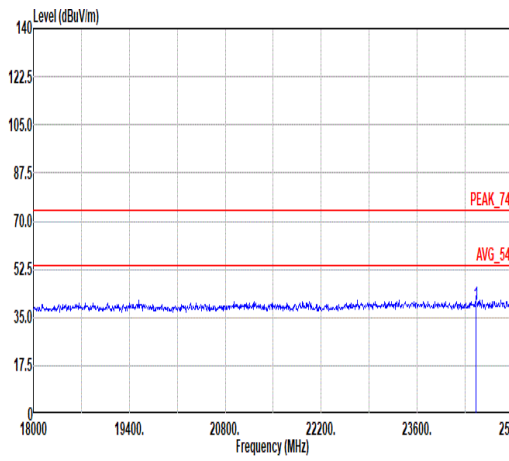


Mode	12	
	Harmonic	
	2400-2483.5_IIEEE 802.15.4_CH26_2480MHz	
ANT	2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL



Mode	13																																																																																																																											
	LF																																																																																																																											
	2400-2483.5_ IEEE 802.15.4_CH26_2480MHZ																																																																																																																											
ANT	2																																																																																																																											
Pol.	Horizontal																																																																																																																											
QP/ Peak																																																																																																																												
	Site : 03CH21-HY Condition: QP 3m LF_633038001_231015 HORIZONTAL																																																																																																																											
	<table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</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></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>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>56.19</td><td>27.56</td><td>40.00</td><td>-12.44</td><td>46.46</td><td>12.46</td><td>1.28</td><td>32.67</td><td>0.03</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>215.27</td><td>35.44</td><td>43.50</td><td>-8.06</td><td>50.55</td><td>14.94</td><td>2.50</td><td>32.62</td><td>0.07</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>216.24</td><td>36.46</td><td>46.00</td><td>-9.54</td><td>51.55</td><td>14.95</td><td>2.51</td><td>32.62</td><td>0.07</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>363.68</td><td>30.90</td><td>46.00</td><td>-15.10</td><td>39.55</td><td>20.73</td><td>3.25</td><td>32.72</td><td>0.09</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>705.12</td><td>35.08</td><td>46.00</td><td>-10.92</td><td>36.54</td><td>26.75</td><td>4.55</td><td>32.91</td><td>0.15</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>958.29</td><td>33.26</td><td>46.00</td><td>-12.74</td><td>27.92</td><td>31.19</td><td>5.28</td><td>31.33</td><td>0.20</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr></table>														Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		1	56.19	27.56	40.00	-12.44	46.46	12.46	1.28	32.67	0.03	--	--	--	Peak	2	215.27	35.44	43.50	-8.06	50.55	14.94	2.50	32.62	0.07	--	--	--	Peak	3	216.24	36.46	46.00	-9.54	51.55	14.95	2.51	32.62	0.07	--	--	--	Peak	4	363.68	30.90	46.00	-15.10	39.55	20.73	3.25	32.72	0.09	--	--	--	Peak	5	705.12	35.08	46.00	-10.92	36.54	26.75	4.55	32.91	0.15	--	--	--	Peak	6	958.29	33.26	46.00	-12.74	27.92	31.19	5.28	31.33	0.20	--	--	--
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																															
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg																																																																																																																
1	56.19	27.56	40.00	-12.44	46.46	12.46	1.28	32.67	0.03	--	--	--	Peak																																																																																																															
2	215.27	35.44	43.50	-8.06	50.55	14.94	2.50	32.62	0.07	--	--	--	Peak																																																																																																															
3	216.24	36.46	46.00	-9.54	51.55	14.95	2.51	32.62	0.07	--	--	--	Peak																																																																																																															
4	363.68	30.90	46.00	-15.10	39.55	20.73	3.25	32.72	0.09	--	--	--	Peak																																																																																																															
5	705.12	35.08	46.00	-10.92	36.54	26.75	4.55	32.91	0.15	--	--	--	Peak																																																																																																															
6	958.29	33.26	46.00	-12.74	27.92	31.19	5.28	31.33	0.20	--	--	--	Peak																																																																																																															
QP/ Peak																																																																																																																												
	Site : 03CH21-HY Condition: QP 3m LF_633038001_231015 VERTICAL																																																																																																																											
	<table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</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></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>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>73.65</td><td>33.60</td><td>40.00</td><td>-6.40</td><td>51.74</td><td>13.03</td><td>1.45</td><td>32.68</td><td>0.06</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>160.95</td><td>34.18</td><td>43.50</td><td>-9.32</td><td>48.06</td><td>16.53</td><td>2.16</td><td>32.63</td><td>0.06</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>219.15</td><td>33.41</td><td>46.00</td><td>-12.59</td><td>48.24</td><td>15.20</td><td>2.52</td><td>32.62</td><td>0.07</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>370.47</td><td>29.83</td><td>46.00</td><td>-16.17</td><td>38.38</td><td>20.81</td><td>3.28</td><td>32.73</td><td>0.09</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>708.03</td><td>34.17</td><td>46.00</td><td>-11.83</td><td>35.56</td><td>26.79</td><td>4.56</td><td>32.89</td><td>0.15</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>954.41</td><td>34.18</td><td>46.00</td><td>-11.82</td><td>28.94</td><td>31.15</td><td>5.27</td><td>31.37</td><td>0.19</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr></table>														Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		1	73.65	33.60	40.00	-6.40	51.74	13.03	1.45	32.68	0.06	--	--	--	Peak	2	160.95	34.18	43.50	-9.32	48.06	16.53	2.16	32.63	0.06	--	--	--	Peak	3	219.15	33.41	46.00	-12.59	48.24	15.20	2.52	32.62	0.07	--	--	--	Peak	4	370.47	29.83	46.00	-16.17	38.38	20.81	3.28	32.73	0.09	--	--	--	Peak	5	708.03	34.17	46.00	-11.83	35.56	26.79	4.56	32.89	0.15	--	--	--	Peak	6	954.41	34.18	46.00	-11.82	28.94	31.15	5.27	31.37	0.19	--	--	--
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																															
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg																																																																																																																
1	73.65	33.60	40.00	-6.40	51.74	13.03	1.45	32.68	0.06	--	--	--	Peak																																																																																																															
2	160.95	34.18	43.50	-9.32	48.06	16.53	2.16	32.63	0.06	--	--	--	Peak																																																																																																															
3	219.15	33.41	46.00	-12.59	48.24	15.20	2.52	32.62	0.07	--	--	--	Peak																																																																																																															
4	370.47	29.83	46.00	-16.17	38.38	20.81	3.28	32.73	0.09	--	--	--	Peak																																																																																																															
5	708.03	34.17	46.00	-11.83	35.56	26.79	4.56	32.89	0.15	--	--	--	Peak																																																																																																															
6	954.41	34.18	46.00	-11.82	28.94	31.15	5.27	31.37	0.19	--	--	--	Peak																																																																																																															

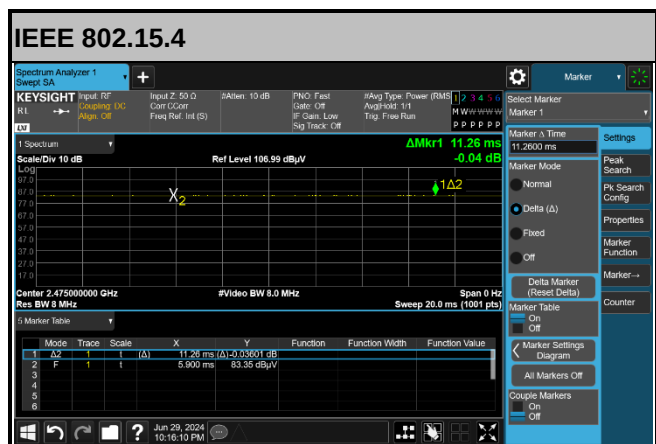


Mode	14																																																																																															
	SHF																																																																																															
	2400-2483.5_IIEEE 802.15.4_CH26_2480MHz																																																																																															
ANT	2																																																																																															
Pol.	Horizontal						Vertical																																																																																									
Peak																																																																																																
	Site : 03CH21-HY Condition: PEAK_74 1m 88HA9170_1223_240622 HORIZONTAL						Site : 03CH21-HY Condition: PEAK_74 1m 88HA9170_1223_240622 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></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>18775.84</td><td>39.85</td><td>74.00</td><td>-34.15</td><td>50.22</td><td>38.20</td><td>24.71</td><td>63.74</td><td>-9.54</td><td>--</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	18775.84	39.85	74.00	-34.15	50.22	38.20	24.71	63.74	-9.54	--	PEAK	<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>24458.18</td><td>39.79</td><td>74.00</td><td>-34.21</td><td>41.79</td><td>39.32</td><td>28.60</td><td>60.38</td><td>-9.54</td><td>--</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	24458.18	39.79	74.00	-34.21	41.79	39.32	28.60	60.38	-9.54	--
	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	18775.84	39.85	74.00	-34.15	50.22	38.20	24.71	63.74	-9.54	--	PEAK																																																																																					
	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	24458.18	39.79	74.00	-34.21	41.79	39.32	28.60	60.38	-9.54	--	PEAK																																																																																					



Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	Duty Factor(dB)
IEEE 802.15.4	100.00	-	0.00



—THE END—