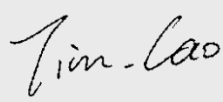
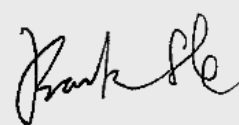


Test report No:
2640063R.702

TEST REPORT

Product Name	Module
Trademark	PHILIPS ; hue; 
Model and /or type reference	44228007018
FCC ID	2AGBW44228007018X
IC	20812-07018X
Applicant's name / address	Signify (China) Investment Co., Ltd. Building No.9, Lane 888, Tianlin Road, Minhang district, 200233, Shanghai, China
Test method requested, standard	47 CFR FCC Part 15 (Section 15.247) RSS-Gen Issue 5 Amendment 2 RSS-247 Issue 4 ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao/ Project Manager 
Approved by (name / position & signature)	Frank He/ Technical Manager 
Date of issue	2026-06-04
Report Version	V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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GENERAL CONDITIONS

Test Location	Room 101, 1st floor, No.7 building, Smart Science Park Phase 5, No. 8213, Fanhua Avenue, Economic and Technological Development District, Hefei, Anhui Province, 230091, China
Date (receive sample)	Apr. 02, 2026
Date (start test)	Apr. 07, 2026
Date (finish test)	May. 15, 2026

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.
5. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, it is not necessary to account the uncertainty associated with the measurement result.



DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2640063R.702	V1.0	Initial issue of report.	2026-06-04

TEST SUMMARY

Requirement – Test Item of FCC	Standard(s)	Verdict
20dB Emission Bandwidth	FCC 15.247(a)(2)	PASS
Maximum conducted output power	15.247 (b)(3)	PASS
Maximum power spectral density	FCC 15.247(e)	PASS
Band edge measurements	FCC 15.247(d) FCC 15.205 FCC 15.209	PASS
Conducted Spurious Emission	FCC 15.247(d), FCC 15.209	PASS
Duty cycle	ANSI C63.10:2013	PASS
Emissions in Restricted Bands	FCC 15.205 FCC 15.209	PASS
AC Power Line Conducted Emission	FCC 15.207	PASS
Antenna Requirement	FCC 15.203	PASS

Requirement – Test case of ISSED	Standard(s)	Verdict
DTS Bandwidth	RSS-Gen Issue 5 A2 Paragraph 6.7 RSS-247 Issue 4 Paragraph 6.3.1(a)	PASS
99% Emission Bandwidth	RSS-Gen Issue 5 A2 Paragraph 6.7 RSS-247 Issue4 Clause 6.3.1(a)	PASS
Maximum conducted output power	RSS-247 Issue4 Clause 6.3.2	PASS
Maximum power spectral density	RSS-247 Issue4 Clause 6.3.1(b)	PASS
Band edge measurements	RSS-Gen Issue5 A2 Clause 8.9, 8.10	PASS
Conducted Spurious Emission	RSS-247 Issue4 Clause 6.6	PASS
Duty cycle	ANSI C63.10:2020	PASS
Emissions in Restricted Bands	RSS-Gen Issue5 A2 Clause 8.9, 8.10	PASS
AC Power Line Conducted Emission	RSS-Gen Issue5 A2 Clause 8.8	PASS
Antenna Requirement	RSS-Gen Issue5 A2 Clause 6.8	PASS

USED EQUIPMENT

Conducted Test/ SR103

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Firmware Version	Software Version
Wideband Radio Communication Tester	R&S	CMW 500	163864	2025.06.01	2026.05.31	V 4.0.60	N/A
Signal Generator	R&S	SMR 20	100654	2025.05.22	2026.05.21	N/A	N/A
MAX Signal Analyzer	Keysight	N9010A	MY55370495	2025.09.14	2026.09.13	A.14.03	N/A
Signal analyzer	R&S	FSV	101920	2025.05.12	2026.05.11	V3.6	N/A
Signal analyzer	R&S	FSV	101920	2026.05.07	2027.05.06	V3.6	N/A
RF Control Unit	Tonscend	JS0806-2	22G8060594	2025.06.16	2026.06.15	N/A	N/A
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2025.06.12	2026.06.11	N/A	N/A
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2025.06.12	2026.06.11	N/A	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A	N/A	V3.0.22
Cable	Yongyi	SFT205-SMSM-1M	512140-0013	2025.11.15	2026.11.14	N/A	N/A
Temperature/Humidity Meter	RITERS	RTS-8S	022	2025.08.25	2026.8.24	N/A	N/A

Radiated Emission(9KHz-1GHz) / AC102

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
Bilog Antenna	TESEQ	CBL6112D	57867	2025.05.21	2026.05.20	N/A	N/A
Bilog Antenna	TESEQ	CBL6112D	57867	2026.05.11	2027.05.10	N/A	N/A
Loop Antenna	R&S	HFH2-Z2E	101181	2025.10.24	2026.10.23	N/A	N/A
EMI test receiver	R&S	ESR7	102753	2025.05.19	2026.05.18	V3.66SP1	
Temperature/ Humidity Meter	RTS-8S	RTS-8S	013	2025.08.29	2026.08.28	N/A	N/A
Temperature/ Humidity Meter	RTS-8S	RTS-8S	015	2025.08.25	2026.08.24	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Radiated Emission (1GHz-40GHz) / AC103

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Firmware Version	Software Version
Fully-anechoic chamber	Maorui	9m*6m*6m	AC103	2023.08.23	2026.08.22	N/A	N/A
MAX Signal Analyzer	Keysight	N9020B	MY63490118	2025.08.08	2026.08.07	A35.06	N/A
Horn Antenna	RF SPIN	DRH18-E	KV2D11A18ES	2025.10.19	2026.10.18	N/A	N/A
Low Noise Amplifier	Tonscend	TAP01018048S	AP23J8060307	2025.10.17	2026.10.16	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2025.10.18	2026.10.17	N/A	N/A
Low Noise Amplifier	ESE	LNA1840	LNA23070301	2025.10.17	2026.10.16	N/A	N/A
Temperature/Humidity Meter	RITERS	RTS-8S	029	2025.08.25	2026.08.24	N/A	N/A
Temperature/Humidity Meter	RITERS	RTS-8S	010	2025.08.25	2026.08.24	N/A	N/A
Test Software	Tonscend	J536	JS36-RSE	N/A	N/A	N/A	5.0.0

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95% .

Test item	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.60 dB 150kHz~30MHz: 2.90 dB
Peak Power Output	± 1.3 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.5 dB 200MHz~1GHz: 3.6 dB Vertical: 30MHz~200MHz: 3.6 dB 200MHz~1GHz: 3.8 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.0 dB Vertical: 1GHz~18GHz: 4.8 dB Horizontal: 18GHz~26.5GHz: 5.3 dB Vertical: 18GHz~26.5GHz: 4.9 dB
RF antenna conducted test	± 1.3 dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 1.0 kHz
Occupied Bandwidth	± 1.0 kHz
Power Density	± 1.3 dB

1 GENERAL INFORMATION

Product Name	Module
Model No.	44228007018
Trademark.	PHILIPS ; hue; 
Manufacturer.....	Signify (China) Investment Co., Ltd.
Manufacturer Address.....	Building No.9, Lane 888, Tianlin Road, Minhang district, 200233, Shanghai, China
Power supply	24Vdc
Wireless specification.....	IEEE 802.15.4
Operating frequency range(s)	2405~2480MHz
Type of Modulation.....	DSSS-OQPSK
Data Rate	250kbps
Antenna type.....	PIFA Antenna
Antenna Gain.....	2.25dBi

Channel List:

Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
11	2405 MHz	12	2410 MHz	13	2415 MHz	14	2420 MHz
15	2425 MHz	16	2430 MHz	17	2435 MHz	18	2440 MHz
19	2445 MHz	20	2450 MHz	21	2455 MHz	22	2460 MHz
23	2465 MHz	24	2470 MHz	25	2475 MHz	26	2480 MHz

Remark:

As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information.

2 DESCRIPTION OF TEST SETUP

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Think pad x220	Lenovo	Adapter
(2) USB Control Cable	N/A	N/A	N/A
(3) USB Control Cable	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
HueApprobationTool	V1.5.3.0	N/A	N/A

Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
CFR 47, FCC Part 15 C	2024	Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.
RSS-Gen Issue5 Amendment2	2021	General Requirements for Compliance of Radio Apparatus
RSS-247 Issue4	2025	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	2024	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01V05r02	2019	Guidance for performing compliance measurements on Digital Transmission System (DTS) operating under section 15.247

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting
IEEE 802.15.4	11	2405	10
	18	2440	10
	26	2480	10

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 DTS Bandwidth

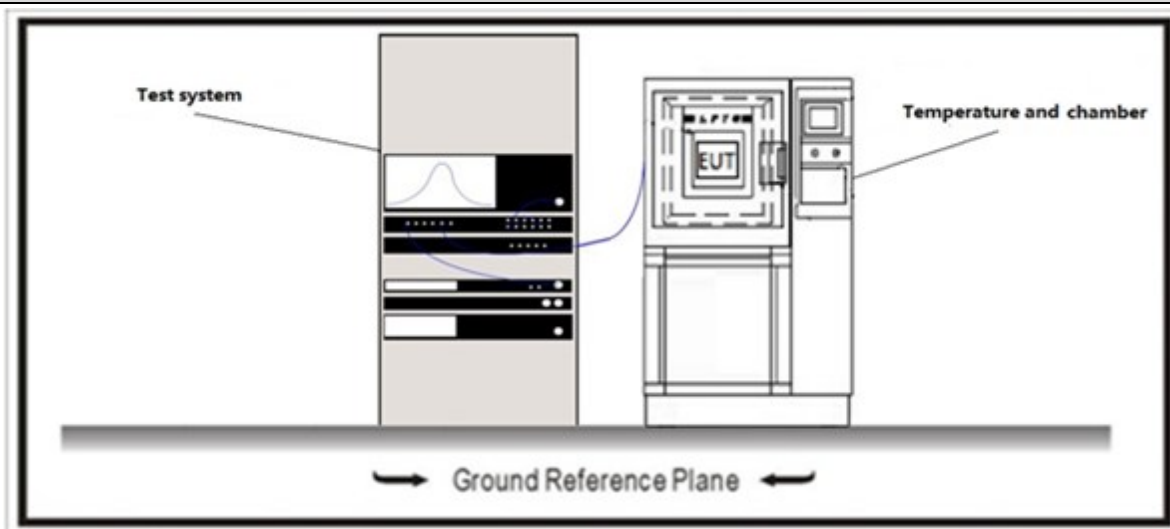
VERDICT: PASS

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(2); RSS-247 Issue4 Clause 6.3.1(a)
-----------------	---

Systems using digital modulation techniques operate in the 2400-2483.5 MHz. The minimum 6 dB bandwidth shall be at least 500 kHz

4.1.2 Test Setup



4.1.3 Test Procedure

	Reference Rule	Chapter	Description
☒	ANSI C63.10	11.8	DTS bandwidth
☒	ANSI C63.10	11.8.1	Option 1
☐	ANSI C63.10	11.8.2	Option 2

4.2 Occupied Channel Bandwidth

VERDICT: PASS

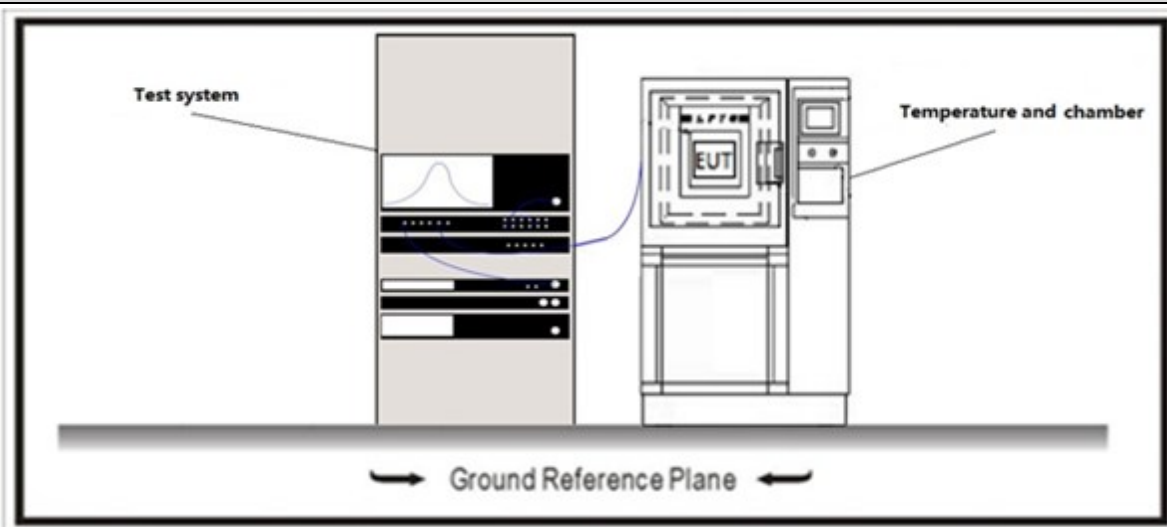
4.2.1 Limit

Standard

RSS-Gen Issue 5 Paragraph 6.7

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs

4.2.2 Test Setup



4.2.3 Test Procedure

	Reference Rule	Chapter	Description
☒	ANSI C63.10	6.9	Occupied bandwidth tests
☐	ANSI C63.10	6.9.2	Option 1
☒	ANSI C63.10	6.9.3	Option 2

4.3 Maximum Conducted Output Power

VERDICT: PASS

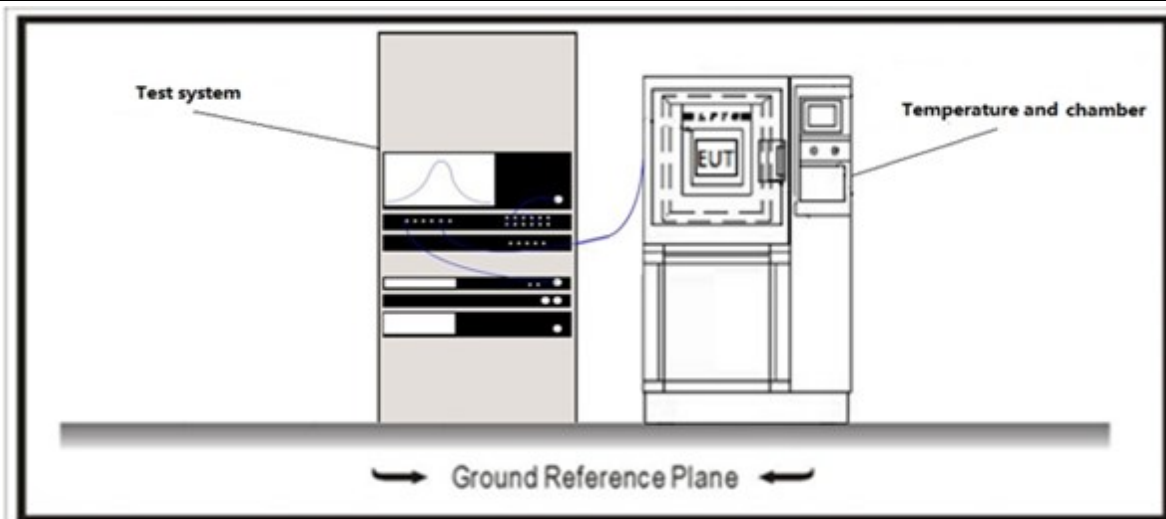
4.3.1 Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247 (b)(3); RSS-247 Issue4 Clause 6.3.2.
☒	GTX < 6dBi	Pout ≤ 30dBm
☐	GTX > 6dBi	
☐	Non-Fix point-point	Pout ≤ 30 - (GTX - 6)
☐	Fix point-point	Pout ≤ 30 - [(GTX - 6)]/3
☐	Point-to-multipoint	Pout ≤ 30 - (GTX - 6)
☐	Overlap Beams	Pout ≤ 30 - [(GTX - 6)]/3
☐	Aggregate power transmitted simultaneously on all beams	Pout ≤ 30 - [(GTX - 6)]/3
☐	single directional beam	Pout ≤ 30 - [(GTX - 6)]/3 + 8dB

Note 1 : GTX directional gain of transmitting antennas.

Note 2 : Pout is maximum peak conducted output power .

4.3.2 Test Setup



4.3.3 Test Procedure

	References Rule			Chapter	Description		
☒	ANSI C63.10			11.9	Fundamental emission output power		
	☒	ANSI C63.10			11.9.1	Maximum peak conducted output power	
		☐	ANSI C63.10	11.9.1.1	RBW ≥ DTS bandwidth		
		☐	ANSI C63.10	11.9.1.2	Integrated band power method		
		☒	ANSI C63.10	11.9.1.3	PKPM1 Peak power meter method		
	☐	ANSI C63.10			11.9.2	Maximum conducted (average) output power	
		☐	ANSI C63.10			11.9.2.2	Measurement using a spectrum analyzer (SA)
			☐	ANSI C63.10	11.9.2.2.2	Method AVGSA-1(Duty cycle ≥98%)	
			☐	ANSI C63.10	11.9.2.2.3	Method AVGSA-1A(Duty cycle ≥98%)	
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-2(Duty cycle ≤98%)	
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-2A(Duty cycle ≤98%)	
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-3	
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-3A	
		☐	ANSI C63.10			11.9.2.3	Measurement using a power meter (PM)
			☐	ANSI C63.10	11.9.2.3.1	Method AVGPM	
			☐	ANSI C63.10	11.9.2.3.2	Method AVGPM-G	

4.4 Maximum Power Spectral Density

VERDICT: PASS

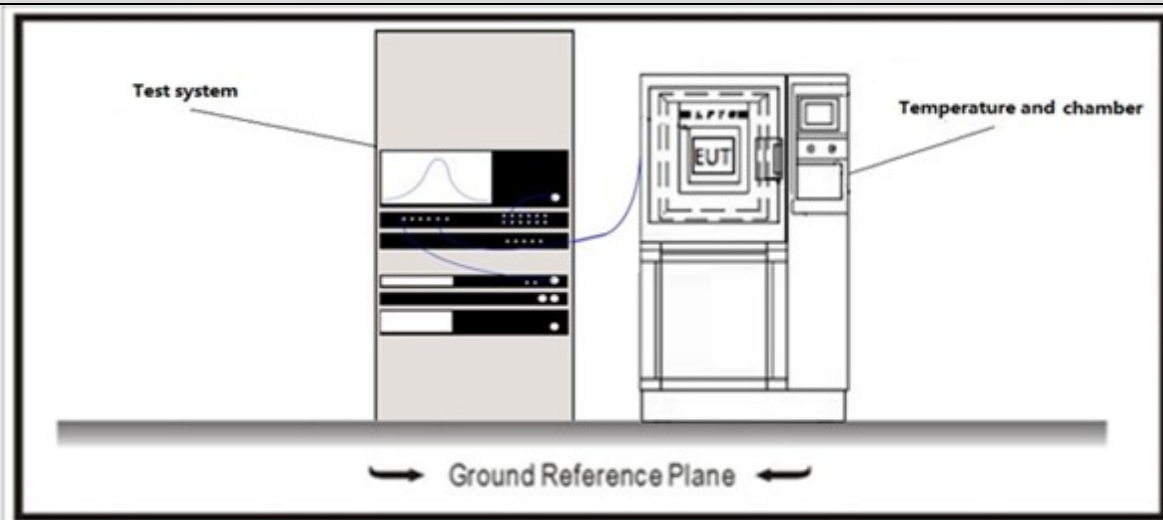
4.4.1 Limit

Standard

FCC Part 15 Subpart C Paragraph 15.247 (b)(3);
 RSS-247 Issue4 Clause 6.3.1(b).

Power Spectral Density $\leq 8\text{dBm}/3\text{kHz}$

4.4.2 Test Setup



4.4.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.10	Maximum power spectral density level in the fundamental emission
	☒	ANSI C63.10	11.10.2	Method PKPSD (peak PSD)
	☐	ANSI C63.10	11.10.3	Method AVGPSD-1(Duty cycle $\geq 98\%$)
	☐	ANSI C63.10	11.10.4	Method AVGPSD-1A(Duty cycle $\geq 98\%$)
	☐	ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle $< 98\%$)
	☐	ANSI C63.10	11.10.6	Method AVGPSD-2A(Duty cycle $< 98\%$)
	☐	ANSI C63.10	11.10.7	Method AVGPSD-3
	☐	ANSI C63.10	11.10.8	Method AVGPSD-3A

4.5 Band Edge Measurements

VERDICT: PASS

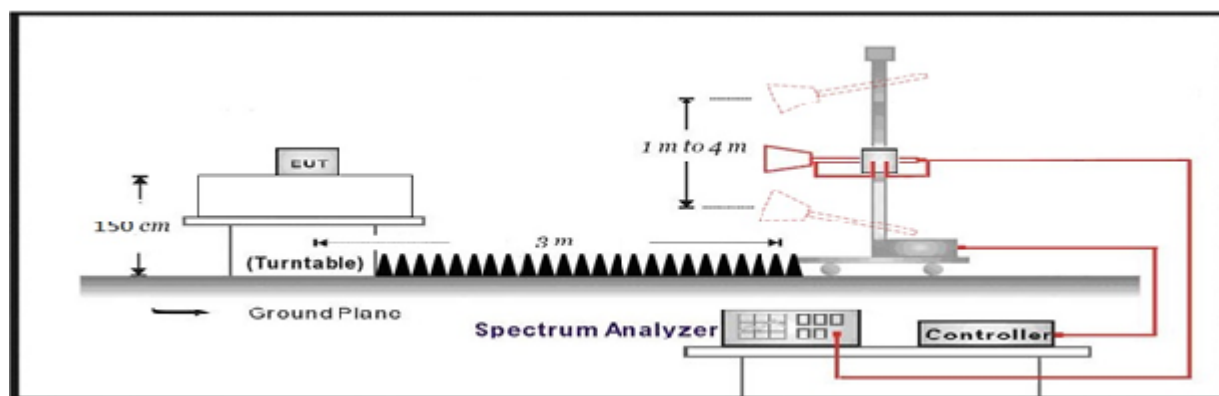
4.5.1 Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247(d) , 15.209; RSS-Gen Issue5 A2 Clause 8.9		
Frequency bands (MHz)	Detector	Limit (dB μ V/m)	RBW (MHz)	Distance (m)
2310-2390 2483.5-2500	PK	74	1	3
	AV	54	1	3

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

4.5.2 Test Setup

Above 1GHz Test Setup:



4.5.3 Test Procedure

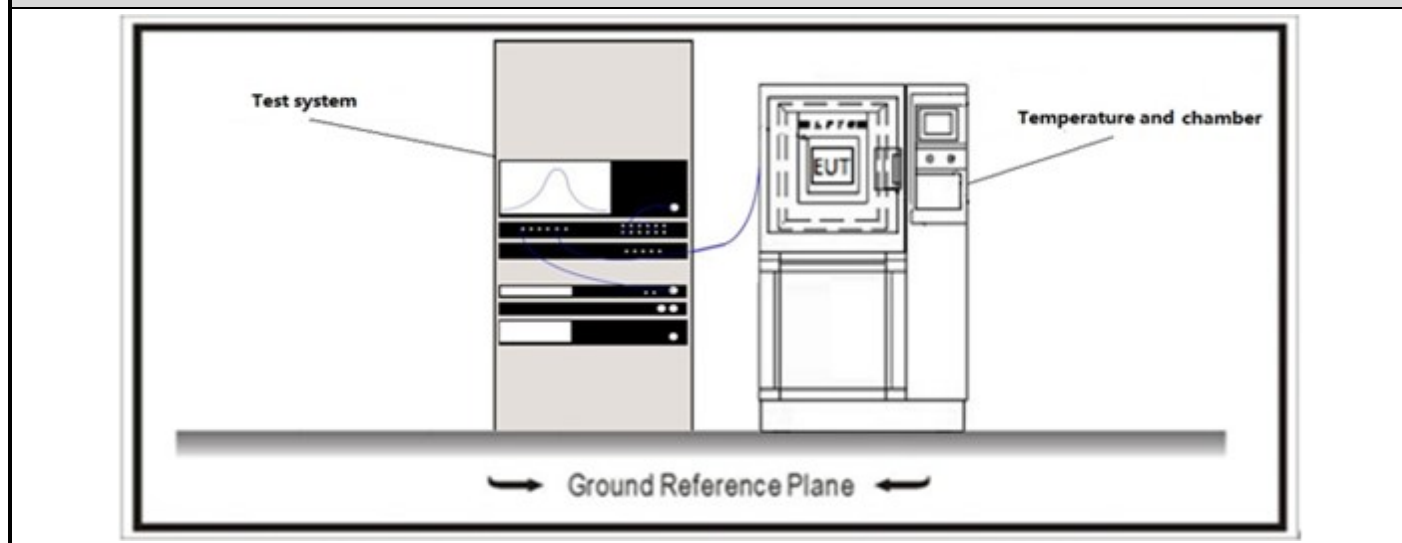
	References Rule	Chapter	Description
☒	ANSI C63.10	6.10	Band-edge testing
☒	☒ ANSI C63.10	6.10.5	Restricted-band band-edge measurements
☒	☐ ANSI C63.10	6.10.6	Marker-delta method
☒	ANSI C63.10	11.12	Emissions in restricted frequency bands
☒	☒ ANSI C63.10	11.12.1	Radiated emission measurements
☒	☒ ANSI C63.10	11.12.2.7	Radiated spurious emission test
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.6 Conducted Spurious Emission**VERDICT: PASS****4.6.1 Limit**

Standard	FCC Part 15 Subpart C Paragraph 15.247(d); RSS-247 Issue4 Clause 6.6.	
RF Output power (Detection methods)	Limit(dB)	
RF Output power(Average detector)	30dBc(Note1)	
RF Output power(PK detector)	20dBc(Note2)	

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

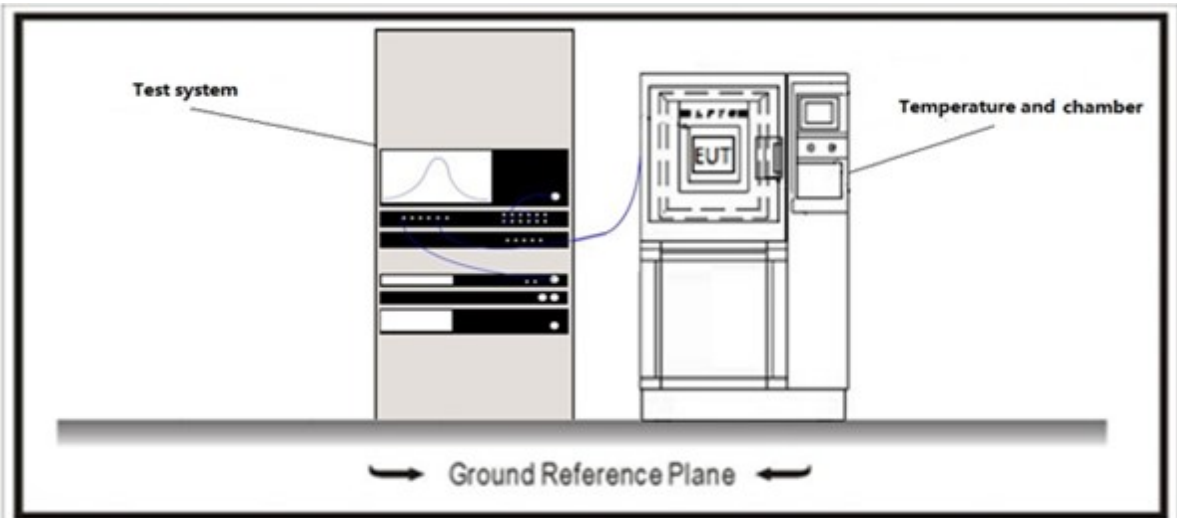
Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

4.6.2 Test Setup**4.6.3 Test Procedure**

References Rule		Chapter	Description
☒	ANSI C63.10	11.11	Emissions in non-restricted frequency bands
☒	ANSI C63.10	11.11.1	General
☒	ANSI C63.10	11.11.2	Reference level measurement
☒	ANSI C63.10	11.11.3	Emission level measurement

4.7 Duty cycle	VERDICT: PASS
-----------------------	----------------------

4.7.1 Limit
N/A

4.7.2 Test Setup
 The diagram illustrates the test setup. On the left, a 'Test system' is shown with a screen displaying a waveform. A blue line connects this system to a 'Temperature and chamber' unit on the right. The chamber unit has a door with 'EUT' (Equipment Under Test) inside. Below both units is a horizontal line labeled 'Ground Reference Plane' with arrows pointing outwards.

4.7.3 Test Procedure

References Rule		Chapter	Description
☒	ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level

4.8 Emissions in Restricted Bands**VERDICT: PASS****4.8.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975–12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675–12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

Standard

RSS-Gen Issue5 A2 Clause 8.10

Restricted Bands of operation for IC

0.090 - 0.110	13.36 - 13.41	960 - 1427	9.0 - 9.2
0.495 - 0.505	16.42 - 16.423	1435 - 1626.5	9.3 - 9.5
2.1735 - 2.1905	16.69475 - 16.69525	1645.5 - 1646.5	10.6 - 12.7
3.020 - 3.026	16.80425 - 16.80475	1660 - 1710	13.25 - 13.4
4.125 - 4.128	25.5 - 25.67	1718.8 - 1722.2	14.47 - 14.5
4.17725 - 4.17775	37.5 - 38.25	2200 - 2300	15.35 - 16.2
4.20725 - 4.20775	73 - 74.6	2310 - 2390	17.7 - 21.4
5.677 - 5.683	74.8 - 75.2	2483.5 - 2500	22.01 - 23.12
6.215 - 6.218	108 - 138	2655 - 2900	23.6 - 24.0
6.26775 - 6.26825	149.9 - 150.05	3260 - 3267	31.2 - 31.8
6.31175 - 6.31225	156.52475 - 156.52525	3332 - 3339	36.43 - 36.5
8.291 - 8.294	156.7 - 156.9	3345.8 - 3358	Above 38.6
8.362 - 8.366	162.0125 - 167.17	3500 - 4400	
8.37625 - 8.38675	167.72 - 173.2	4500 - 5150	
8.41425 - 8.41475	240 - 285	5350 - 5460	
12.29 - 12.293	322 - 335.4	7250 - 7750	
12.51975 - 12.52025	399.9 - 410	8025 - 8500	
12.57675 - 12.57725	608 - 614	--	

Restricted Band Emissions Limit

FCC Part 15 Subpart C Paragraph 15.209

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note 2)
216 - 960	200	46	3 _(Note 2)
Above 960	500	54	3 _(Note 2)

RSS-Gen Issue 5 A2 Paragraph 8.9.

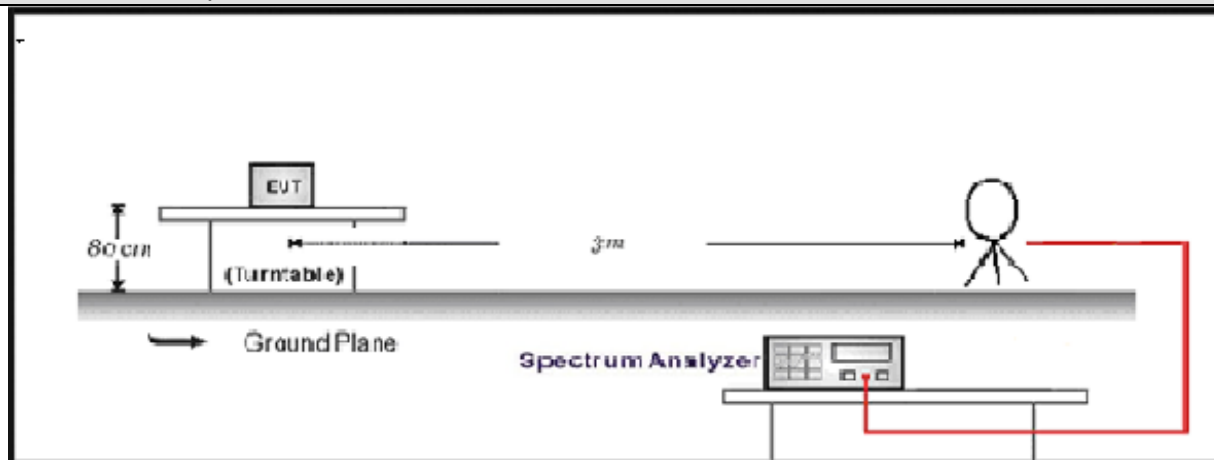
Frequency (MHz)	Field strength	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 - 0.49	6.37/F(kHz) $\mu\text{A/m}$	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	63.7/F(kHz) $\mu\text{A/m}$	33.8 - 23	30 _(Note 1)
1.705 - 30	30 $\mu\text{V/m}$	29.5	30 _(Note 1)
30 - 88	100 $\mu\text{V/m}$	40	3 _(Note 2)
88 - 216	150 $\mu\text{V/m}$	43.5	3 _(Note 2)
216 - 960	200 $\mu\text{V/m}$	46	3 _(Note 2)
Above 960	500 $\mu\text{V/m}$	54	3 _(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

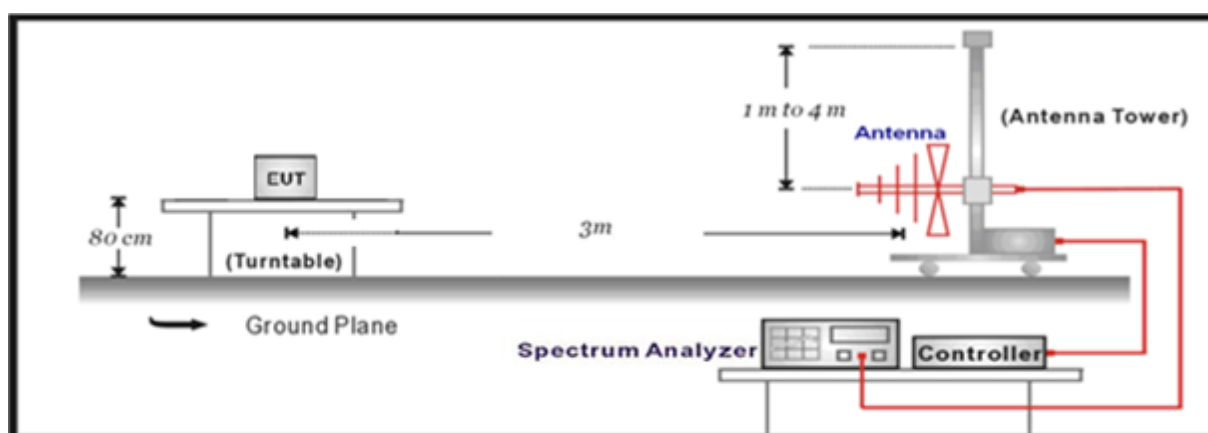
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

4.8.2 Test Setup

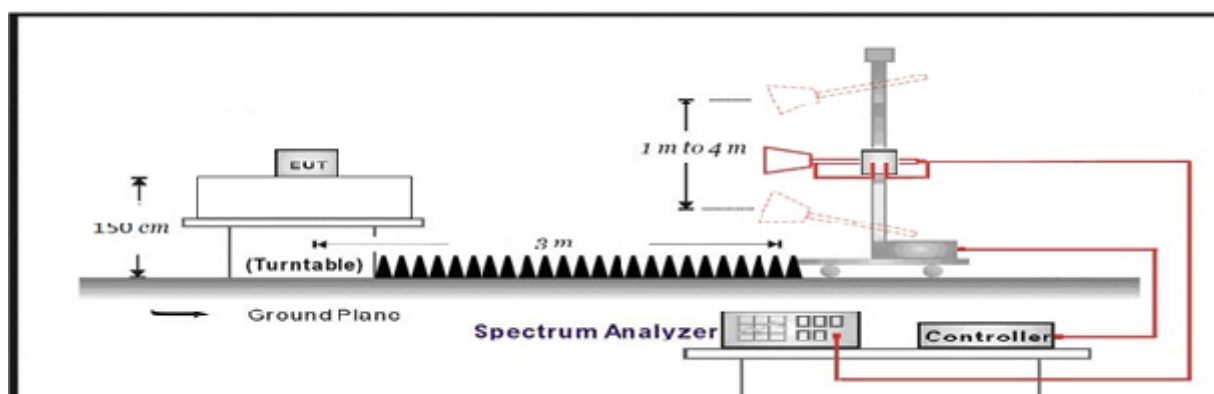
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.8.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10	11.12.1	Radiated emission measurements
	☒	ANSI C63.10	11.12.2.7	Radiated spurious emission test
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.9 AC Power Line Conducted Emission

VERDICT: PASS

4.9.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207 ; RSS-Gen Issue5 A2 Clause 8.8.	
Frequency range [MHz]	Limit: QP [dB(μ V) ¹⁾]	Limit: AV [dB(μ V) ¹⁾]
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾
0,50 - 5,0	56	46
5,0 - 30	60	50

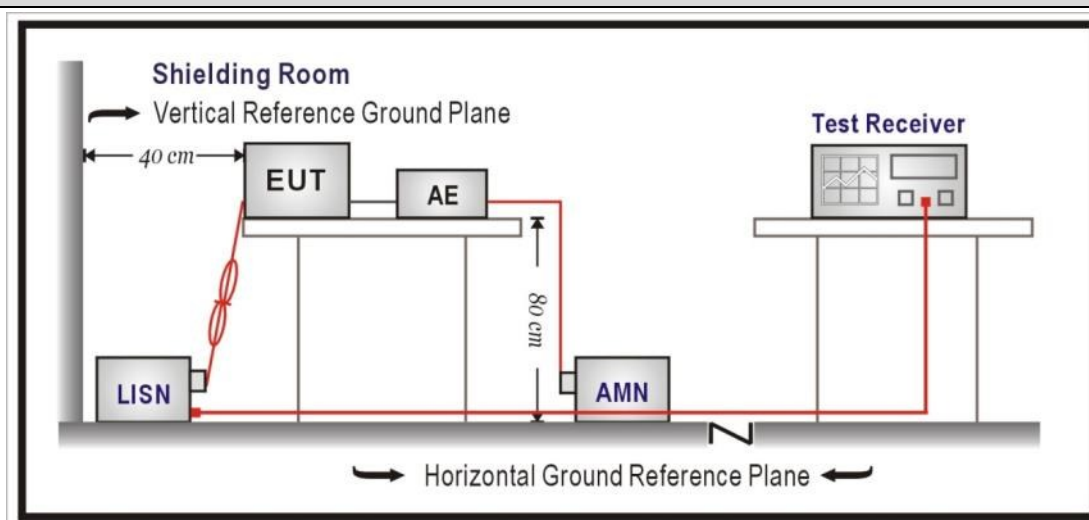
¹⁾ At the transition frequency, the lower limit applies.

²⁾ The limit decreases linearly with the logarithm of the frequency.

NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.9.2 Test Setup



4.9.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.10 Antenna Requirement**VERDICT: PASS****4.10.1 Limit:****Standard**FCC Part 15 Subpart C Paragraph 15.203;
RSS-Gen Issue 5 A2 Paragraph 6.8.

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, or §15.221. 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.

4.10.2 Antenna Connector Construction:

The use of a permanently attached antenna



The antenna use of a unique coupling to the intentional radiator



The use of a nonstandard antenna jack or electrical connector

Please refer to the attached document "Internal Photograph" to show the antenna connector.

5 TEST SETUP PHOTO AND EUT PHOTO

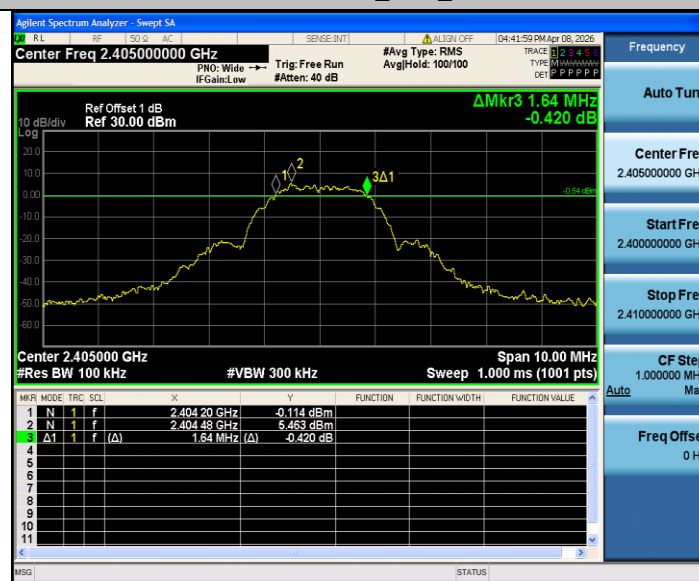
Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT

Appendix A: DTS Bandwidth

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
IEEE 802.15.4	Ant1	2405	1.640	2404.200	2405.840	0.5	PASS
		2440	1.620	2439.220	2440.840	0.5	PASS
		2480	1.690	2479.180	2480.870	0.5	PASS

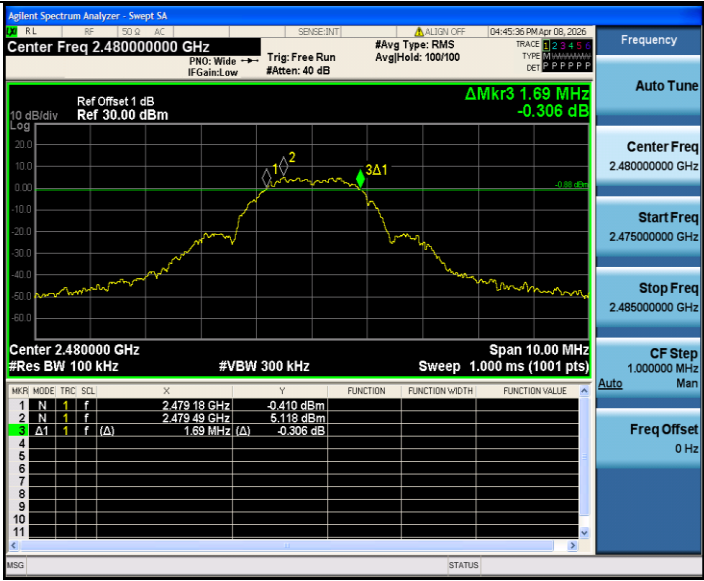
IEEE 802.15.4_Ant1_2405



IEEE 802.15.4_Ant1_2440



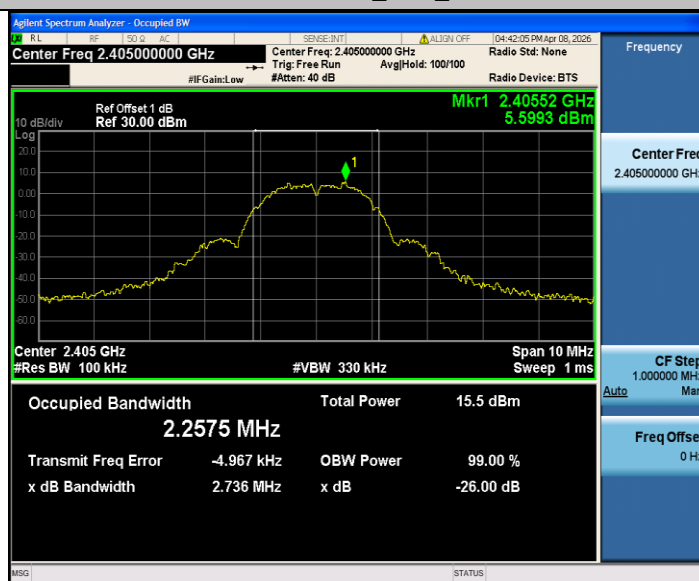
IEEE 802.15.4_Ant1_2480



Appendix B: Occupied Channel Bandwidth

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
IEEE 802.15.4	Ant1	2405	2.2575	2403.8663	2406.1238	---	---
		2440	2.2739	2438.8593	2441.1332	---	---
		2480	2.2835	2478.8470	2481.1305	---	---

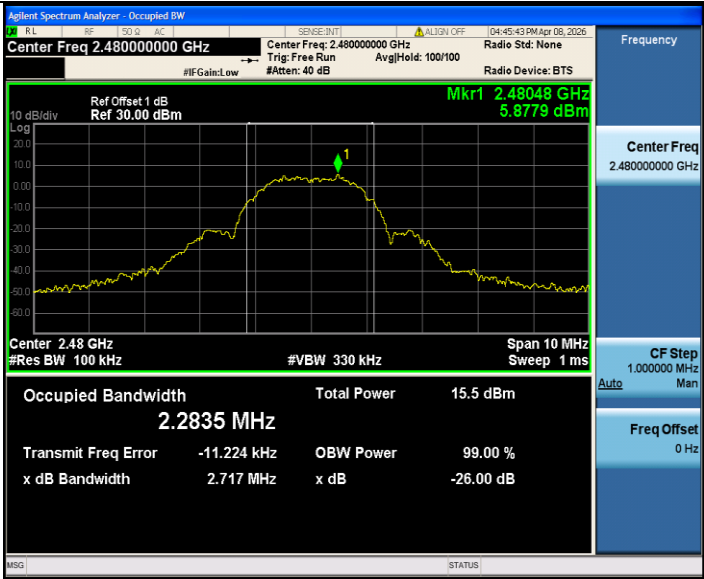
IEEE 802.15.4_Ant1_2405



IEEE 802.15.4_Ant1_2440



IEEE 802.15.4_Ant1_2480



Appendix C: Maximum conducted output power

Test Mode	Frequency (MHz)	Measured Power (dBm)	EIRP (dBm)	Conducted Limit[dBm]	EIRP Limit (dBm)
IEEE 802.15.4	2405	9.21	11.46	≤ 30	≤ 36
	2440	9.78	12.03	≤ 30	≤ 36
	2480	9.50	11.75	≤ 30	≤ 36
Note: EIRP = Conducted Power + Antenna Gain, Antenna gain please refer to clause 1.					

Appendix D: Maximum power spectral density

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
IEEE 802.15.4	Ant1	2405	-6.23	≤8.00	PASS
		2440	-5.24	≤8.00	PASS
		2480	-5.66	≤8.00	PASS

IEEE 802.15.4_Ant1_2405



IEEE 802.15.4_Ant1_2440



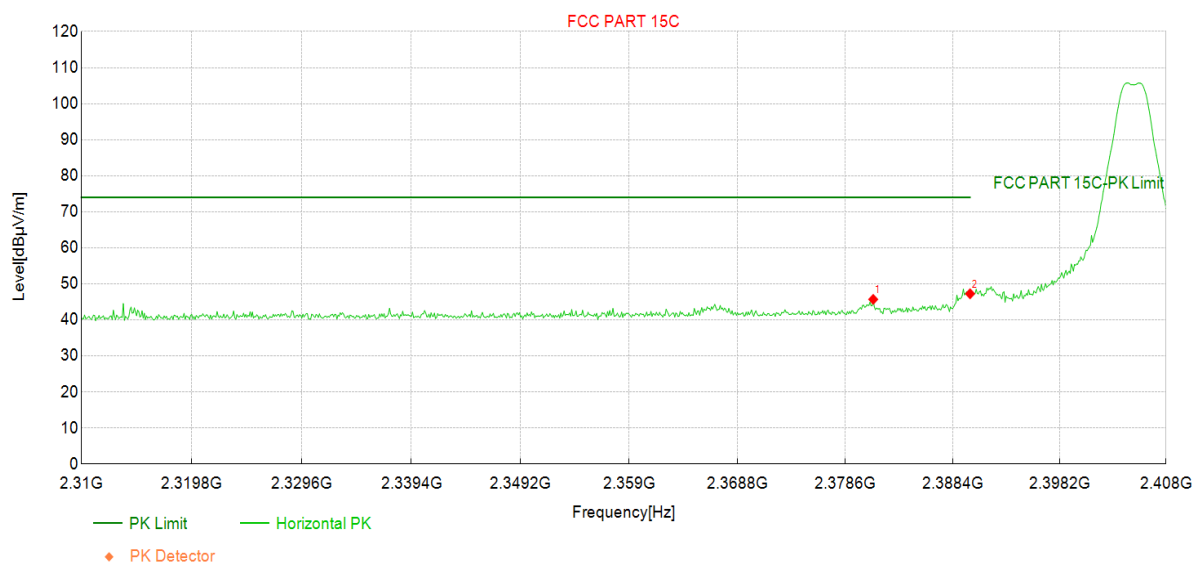
IEEE 802.15.4_Ant1_2480



Appendix E: Band edge measurements

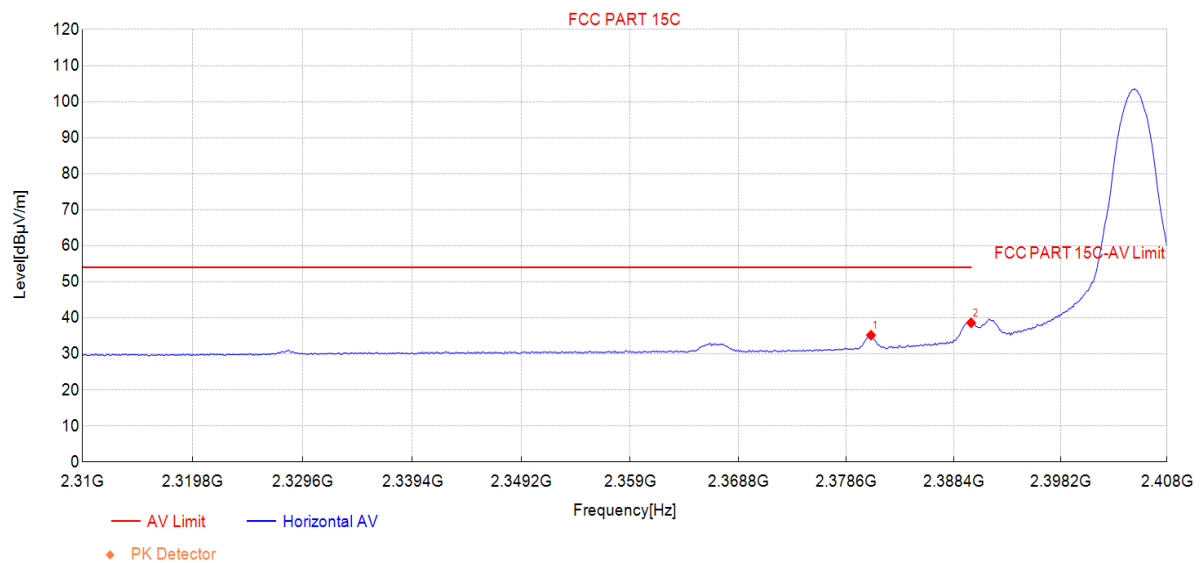
Transmit at 2405MHz by IEEE 802.15.4

Test Graph



Data List

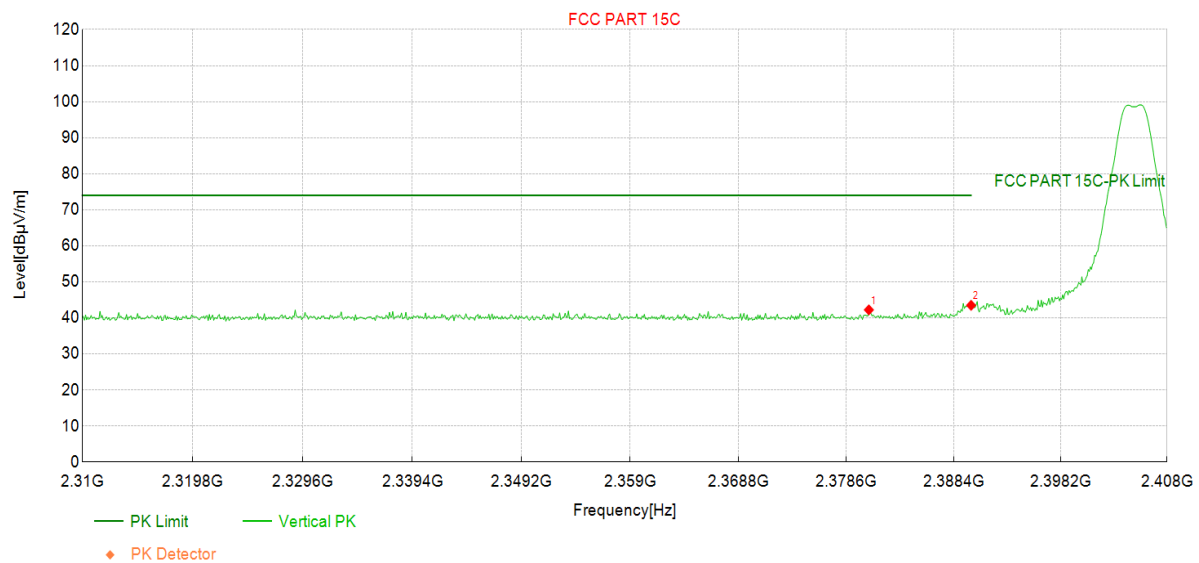
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2381.15	45.8	45.70	-0.110	74.00	28.30	PK	Horizo	PASS
2	2390.00	47.3	47.25	-0.090	74.00	26.75	PK	Horizo	PASS

Transmit at 2405MHz by IEEE 802.15.4**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.85	35.3	35.21	-0.110	54.00	18.79	AV	Horizo	PASS
2	2390.00	38.7	38.64	-0.090	54.00	15.36	AV	Horizo	PASS

Transmit at 2405MHz by IEEE 802.15.4

Test Graph

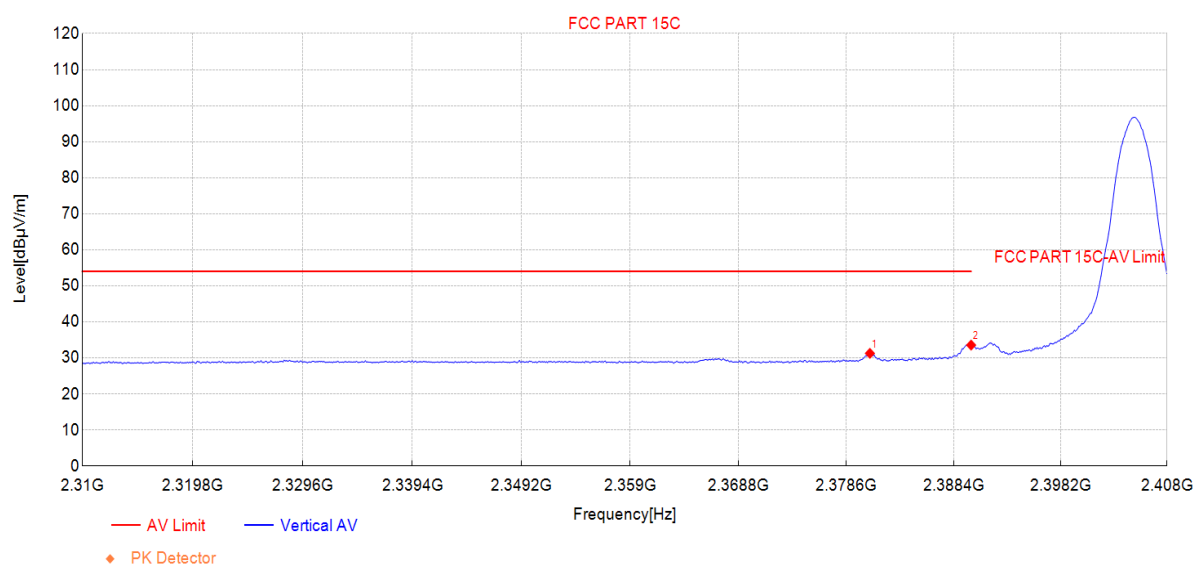


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.66	42.3	42.22	-0.110	74.00	31.78	PK	Vertic	PASS
2	2390.00	43.6	43.49	-0.090	74.00	30.51	PK	Vertic	PASS

Transmit at 2405MHz by IEEE 802.15.4

Test Graph

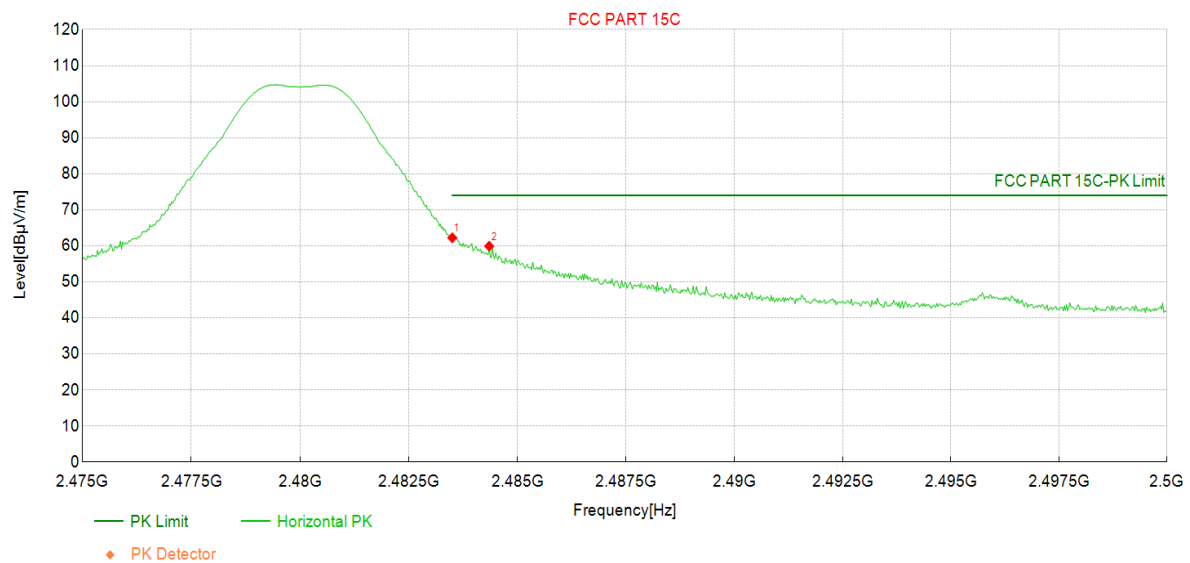


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.76	31.4	31.27	-0.110	54.00	22.73	AV	Vertic	PASS
2	2390.00	33.7	33.56	-0.090	54.00	20.44	AV	Vertic	PASS

Transmit at 2480MHz by IEEE 802.15.4

Test Graph

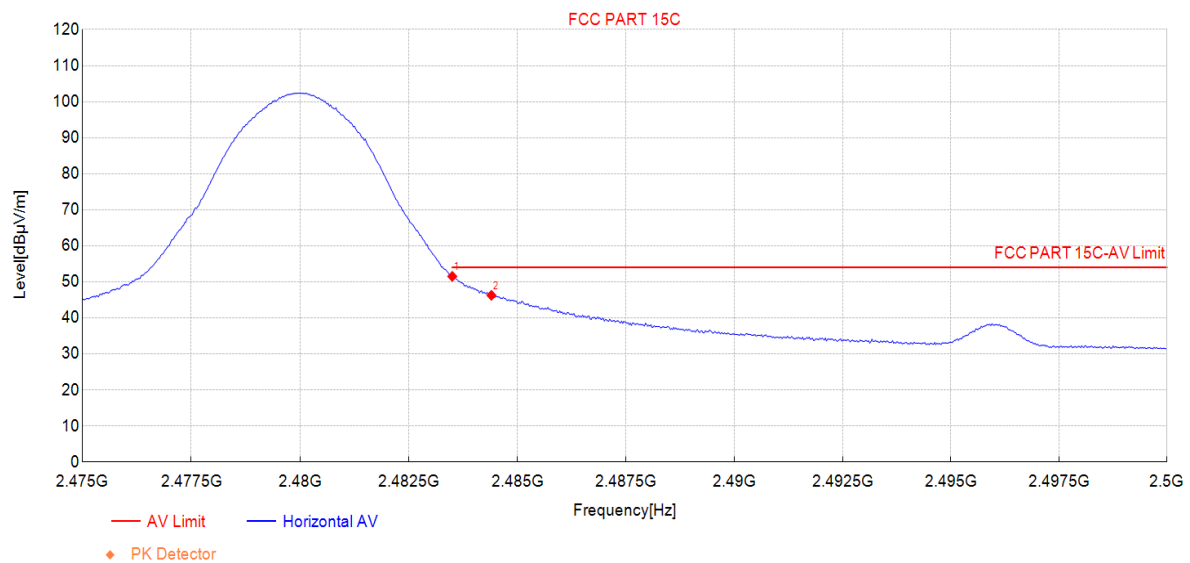


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	62.1	62.23	0.100	74.00	11.77	PK	Horizo	PASS
2	2484.35	59.8	59.90	0.100	74.00	14.10	PK	Horizo	PASS

Transmit at 2480MHz by IEEE 802.15.4

Test Graph

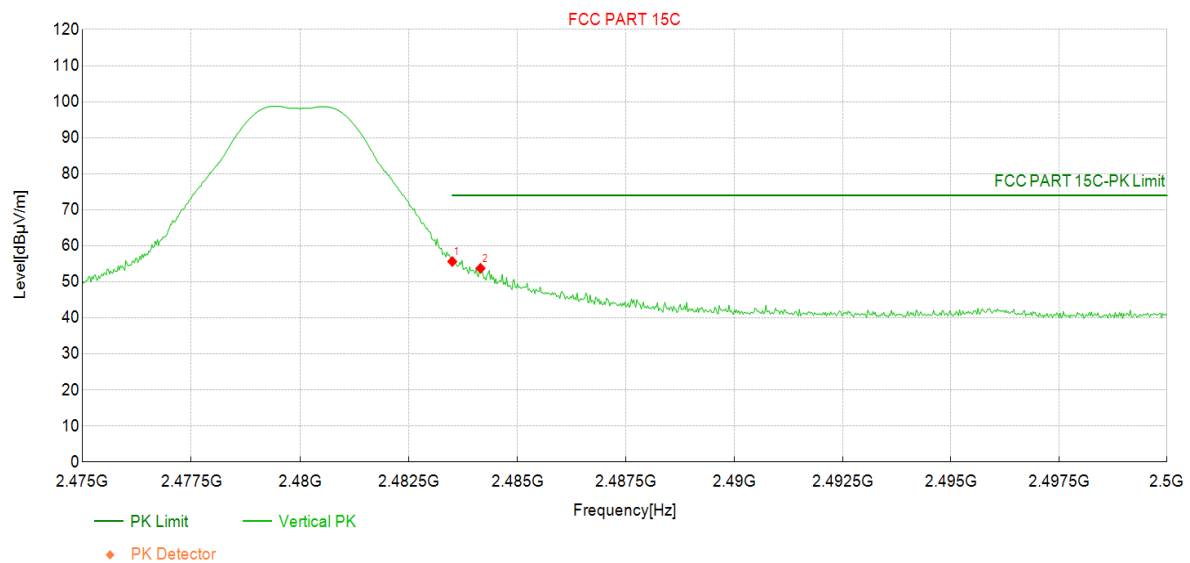


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	51.4	51.52	0.100	54.00	2.48	AV	Horizo	PASS
2	2484.40	46.2	46.27	0.100	54.00	7.73	AV	Horizo	PASS

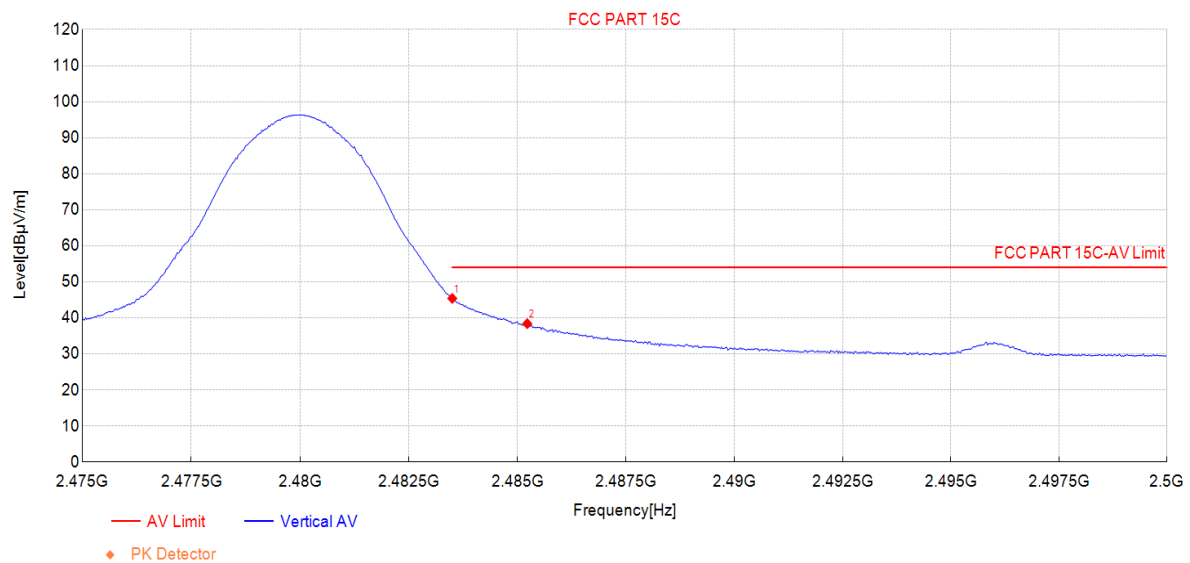
Transmit at 2480MHz by IEEE 802.15.4

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	55.5	55.64	0.100	74.00	18.36	PK	Vertic	PASS
2	2484.15	53.7	53.75	0.100	74.00	20.25	PK	Vertic	PASS

Transmit at 2480MHz by IEEE 802.15.4**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	45.3	45.40	0.100	54.00	8.60	AV	Vertic	PASS
2	2485.23	38.3	38.40	0.110	54.00	15.60	AV	Vertic	PASS

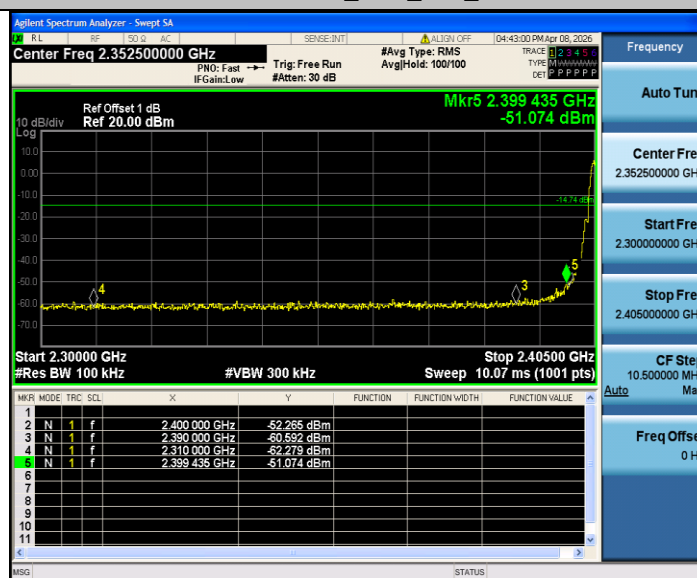
1. Level = Reading + Factor .

2. Margin = Limit - Level.

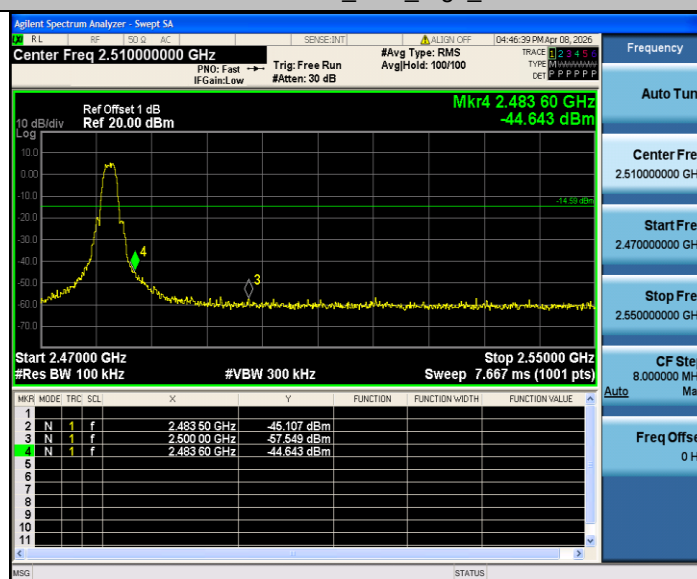
Appendix F: Conducted Spurious Emission

Band edge measurements :

IEEE 802.15.4_Ant1_Low_2405

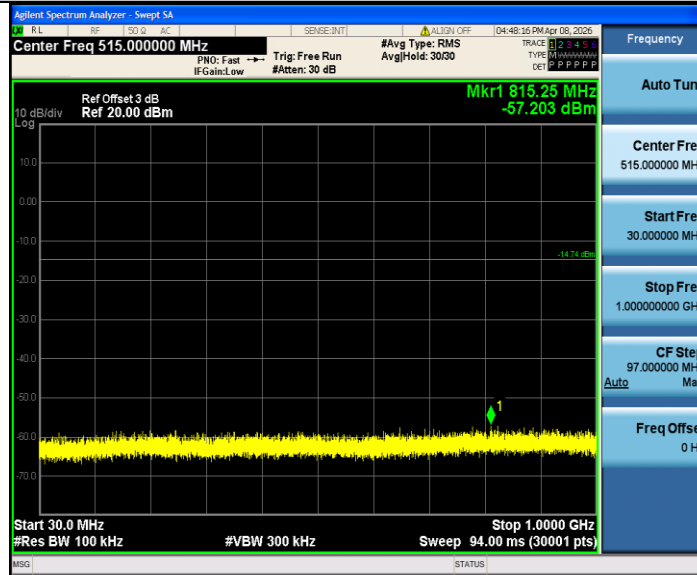


IEEE 802.15.4_Ant1_High_2480

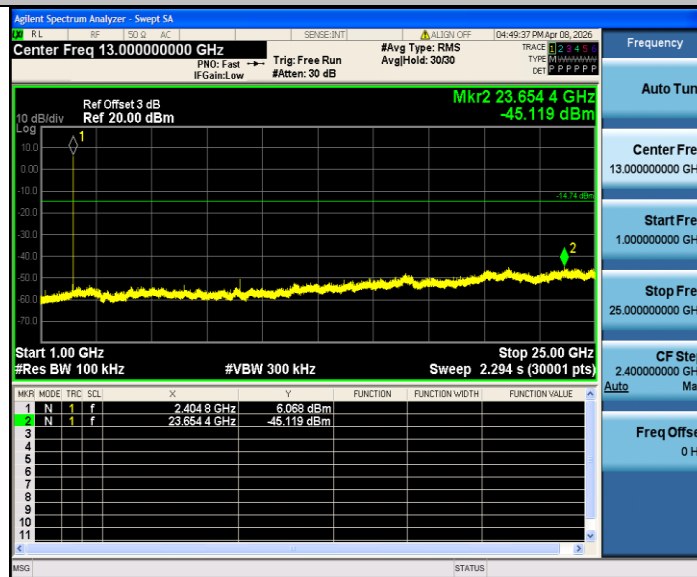


Conducted Spurious Emission :

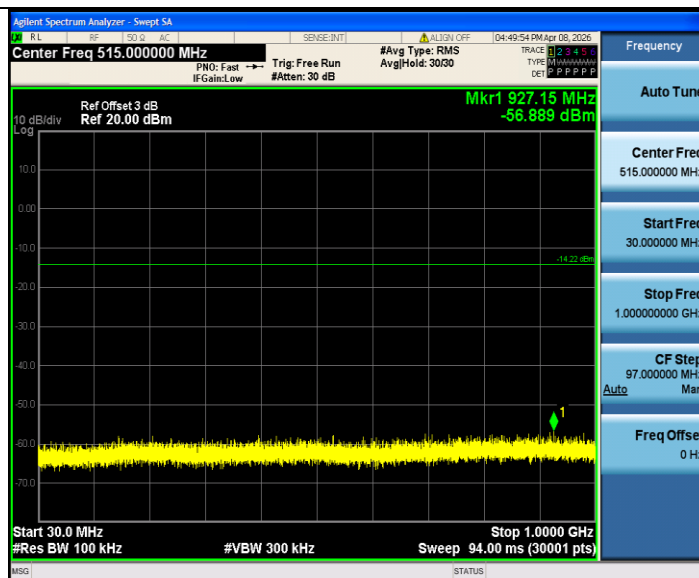
IEEE 802.15.4_Ant1_2405_30~1000



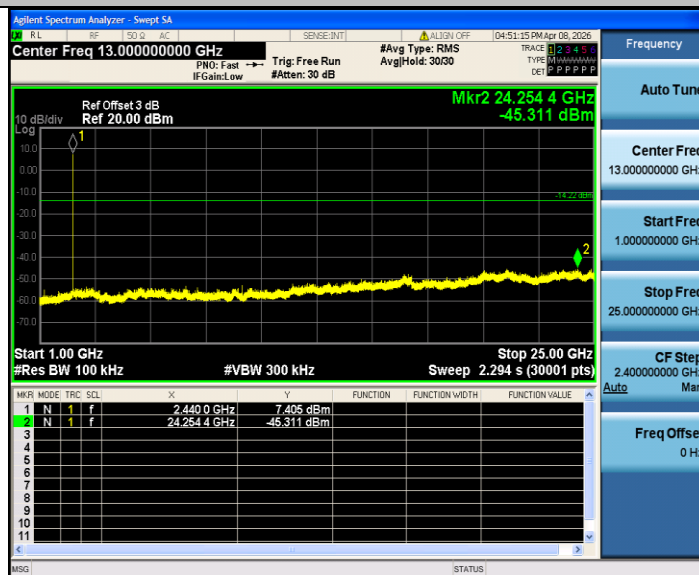
IEEE 802.15.4_Ant1_2405_1000~25000



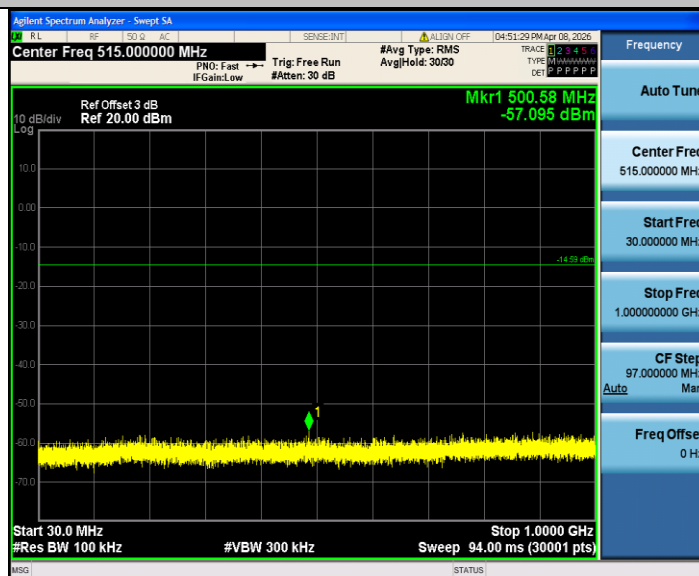
IEEE 802.15.4_Ant1_2440_30~1000



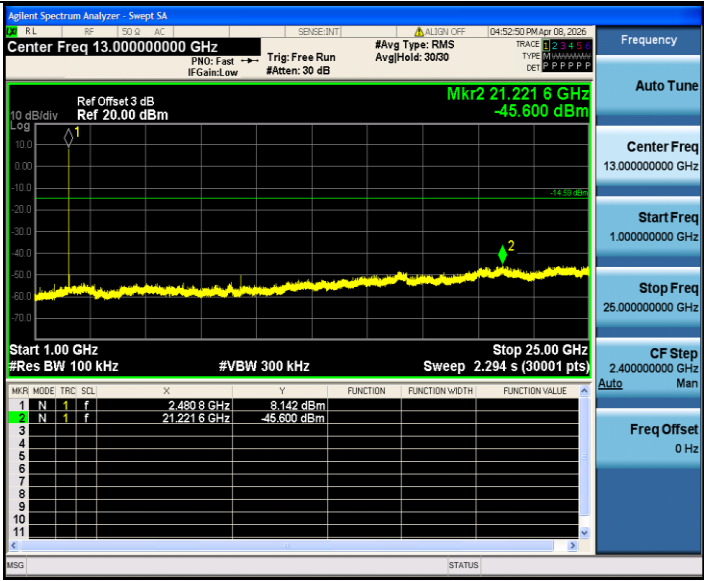
IEEE 802.15.4_Ant1_2440_1000~25000



IEEE 802.15.4_Ant1_2480_30~1000



IEEE 802.15.4_Ant1_2480_1000~25000

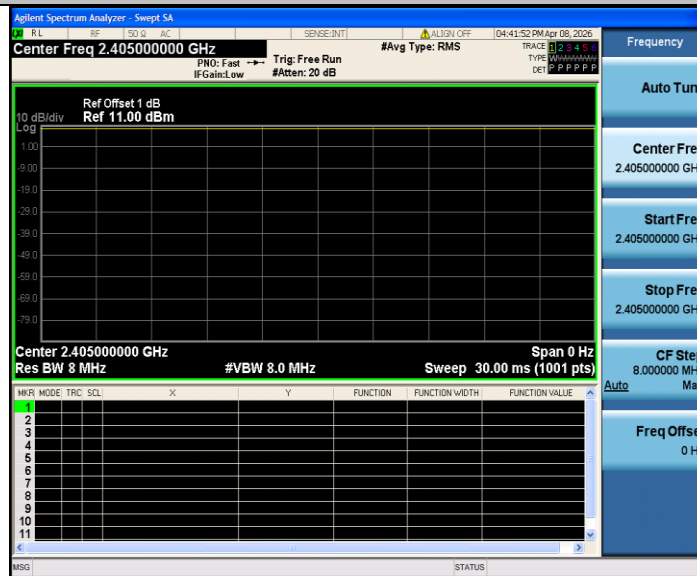


Note: Offset = Cable loss.

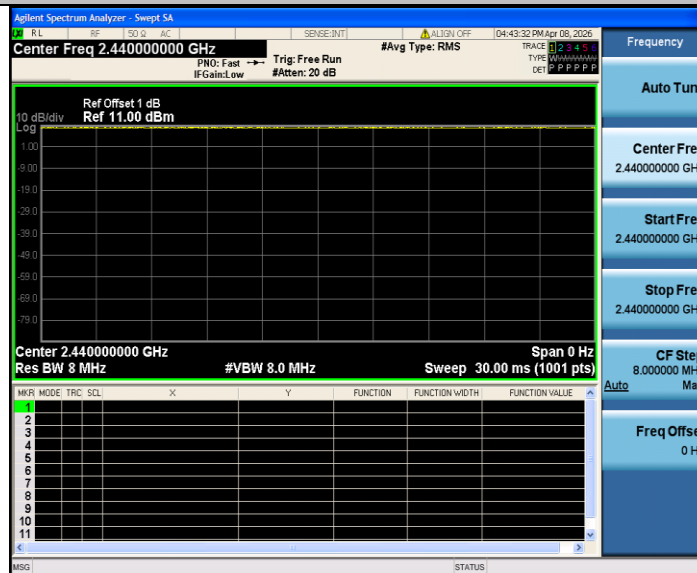
Appendix G: Duty Cycle

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
IEEE 802.15.4	Ant1	2405	30.00	30.00	100.00	---	---
		2440	30.00	30.00	100.00	---	---
		2480	30.00	30.00	100.00	---	---

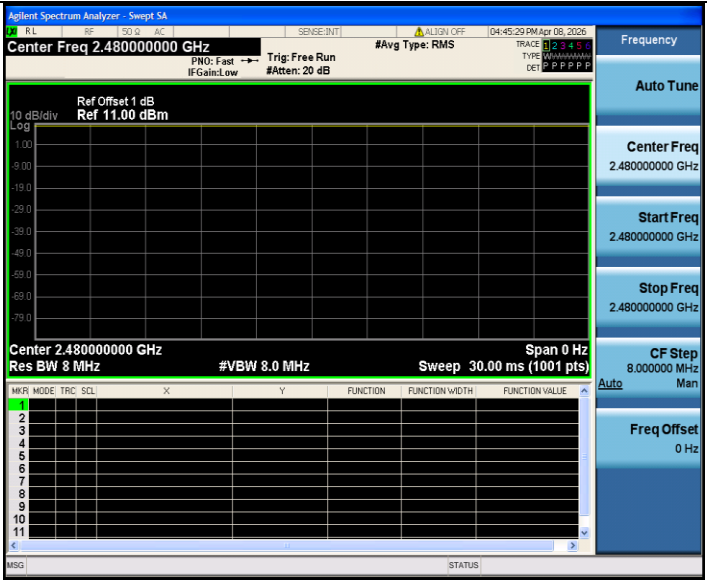
IEEE 802.15.4_Ant1_2405



IEEE 802.15.4_Ant1_2440



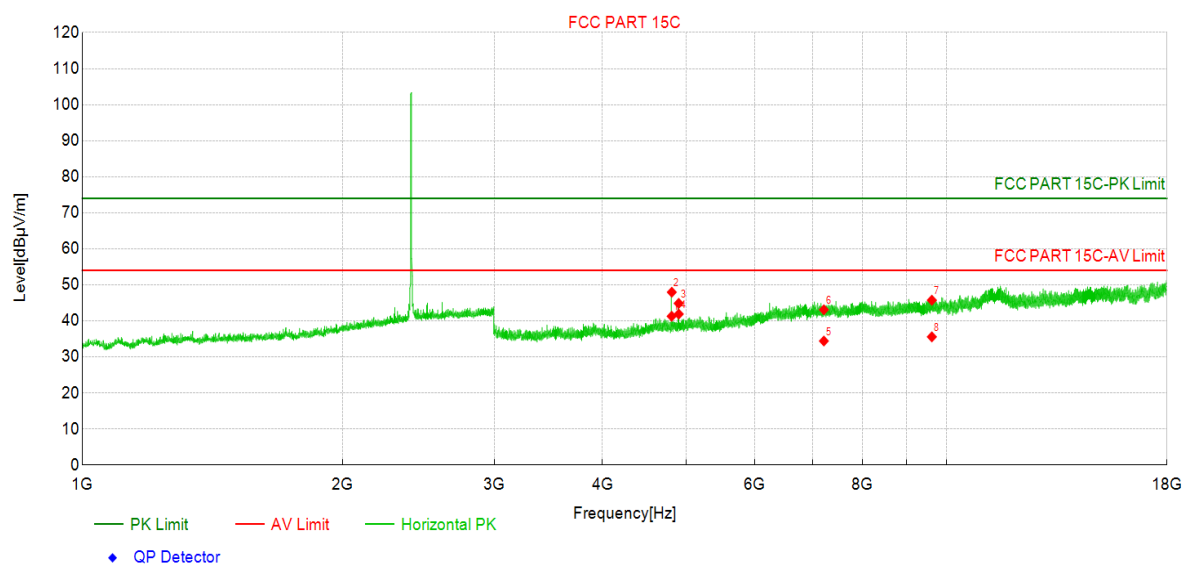
IEEE 802.15.4_Ant1_2480



Appendix H: Emissions in Restricted Bands

Transmit at 2405MHz by IEEE 802.15.4

Test Graph

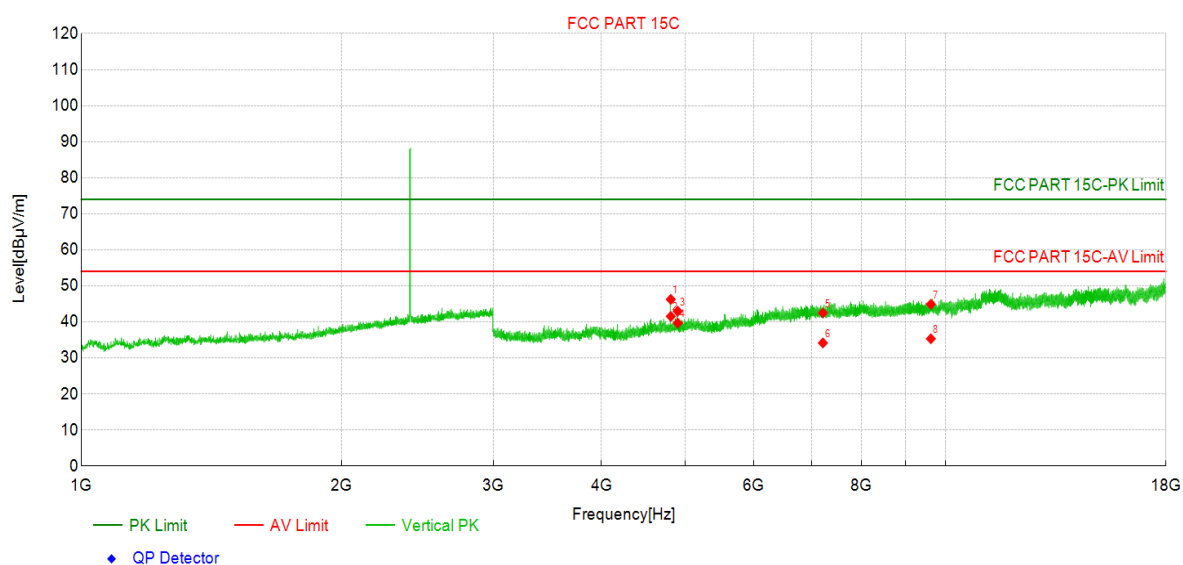


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4809.50	50.2	41.29	-8.940	54.00	12.71	AV	Horizo	PASS
2	4811.00	56.9	47.96	-8.930	74.00	26.04	PK	Horizo	PASS
3	4900.50	53.3	44.86	-8.470	74.00	29.14	PK	Horizo	PASS
4	4901.00	50.4	41.88	-8.470	54.00	12.12	AV	Horizo	PASS
5	7215.00	36.5	34.42	-2.120	54.00	19.58	AV	Horizo	PASS
6	7215.00	45.2	43.10	-2.120	74.00	30.90	PK	Horizo	PASS
7	9620.00	45.0	45.74	0.770	74.00	28.26	PK	Horizo	PASS
8	9620.00	34.8	35.57	0.770	54.00	18.43	AV	Horizo	PASS

Transmit at 2405MHz by IEEE 802.15.4

Test Graph

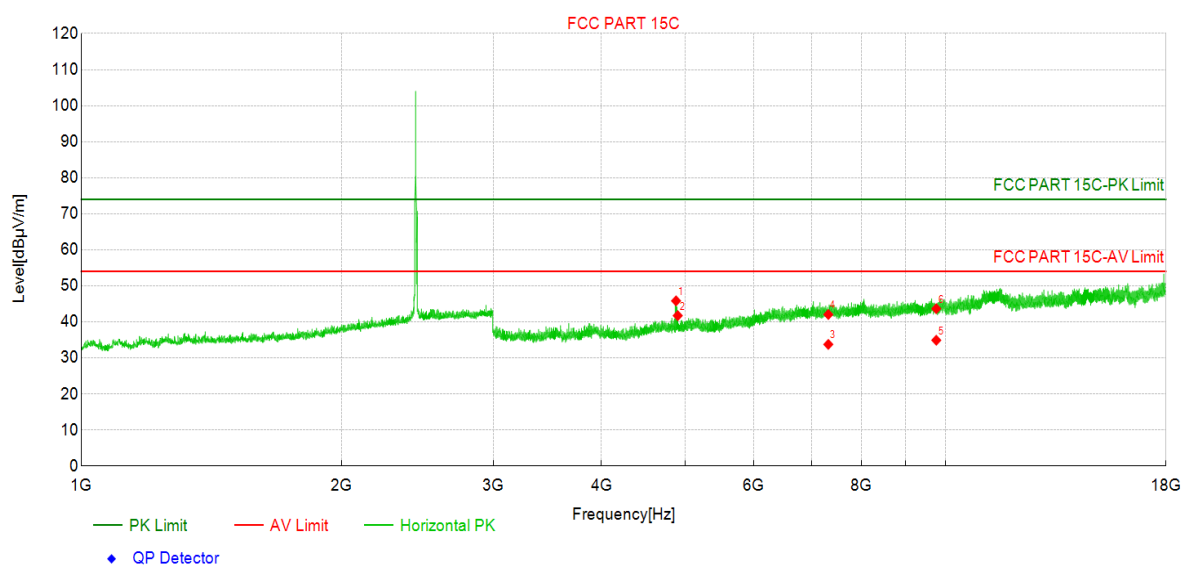


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4811.00	55.2	46.25	-8.930	74.00	27.75	PK	Vertic	PASS
2	4811.50	50.5	41.53	-8.930	54.00	12.47	AV	Vertic	PASS
3	4900.50	51.4	42.97	-8.470	74.00	31.03	PK	Vertic	PASS
4	4901.00	48.1	39.67	-8.470	54.00	14.33	AV	Vertic	PASS
5	7215.00	44.6	42.48	-2.120	74.00	31.52	PK	Vertic	PASS
6	7215.00	36.3	34.16	-2.120	54.00	19.84	AV	Vertic	PASS
7	9620.00	44.1	44.90	0.770	74.00	29.10	PK	Vertic	PASS
8	9620.00	34.6	35.32	0.770	54.00	18.68	AV	Vertic	PASS

Transmit at 2440MHz by IEEE 802.15.4

Test Graph

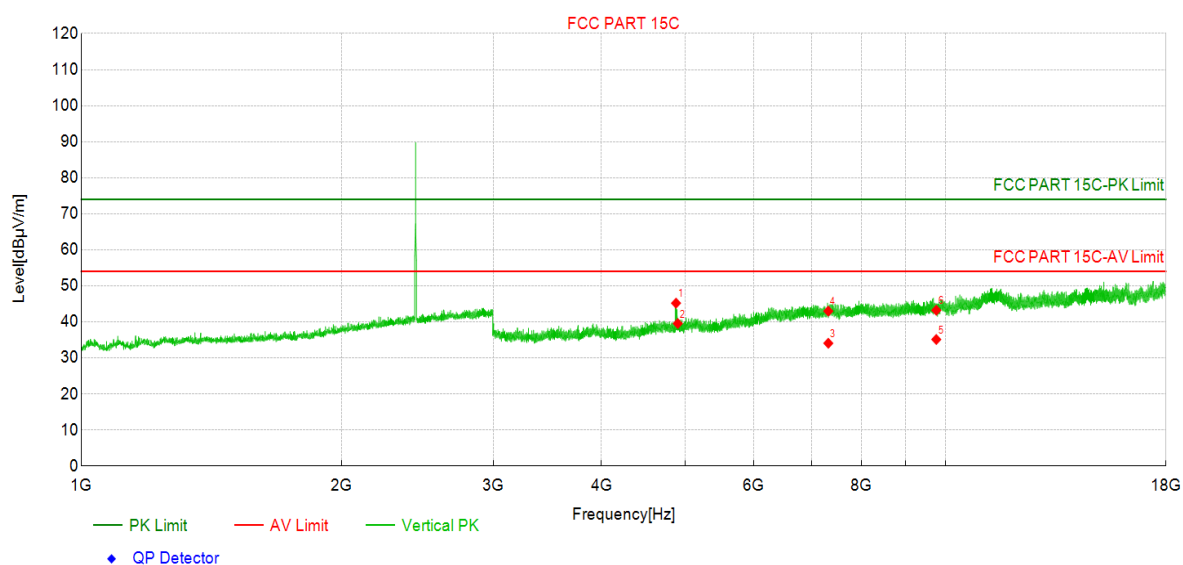


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4879.00	54.4	45.83	-8.600	74.00	28.17	PK	Horizo	PASS
2	4901.00	50.2	41.74	-8.470	54.00	12.26	AV	Horizo	PASS
3	7320.00	35.6	33.75	-1.890	54.00	20.25	AV	Horizo	PASS
4	7320.00	43.9	42.05	-1.890	74.00	31.95	PK	Horizo	PASS
5	9760.00	34.1	34.91	0.830	54.00	19.09	AV	Horizo	PASS
6	9760.00	42.8	43.66	0.830	74.00	30.34	PK	Horizo	PASS

Transmit at 2440MHz by IEEE 802.15.4

Test Graph

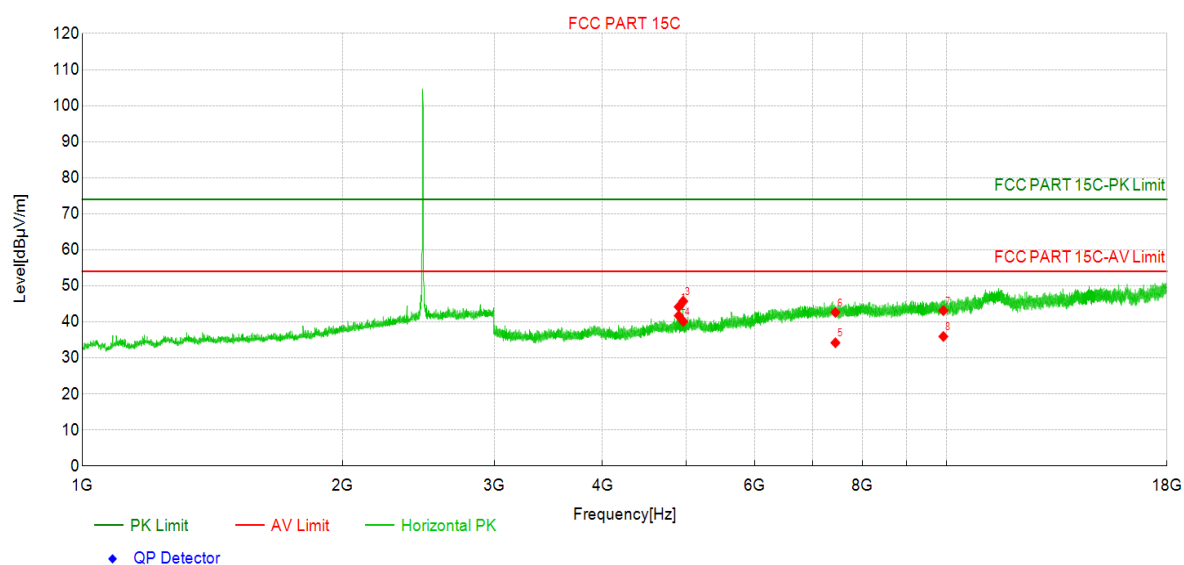


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4878.50	53.8	45.20	-8.600	74.00	28.80	PK	Vertic	PASS
2	4901.00	48.0	39.56	-8.470	54.00	14.44	AV	Vertic	PASS
3	7320.00	36.0	34.07	-1.890	54.00	19.93	AV	Vertic	PASS
4	7320.00	44.9	42.99	-1.890	74.00	31.01	PK	Vertic	PASS
5	9760.00	34.3	35.13	0.830	54.00	18.87	AV	Vertic	PASS
6	9760.00	42.4	43.23	0.830	74.00	30.77	PK	Vertic	PASS

Transmit at 2480MHz by IEEE 802.15.4

Test Graph

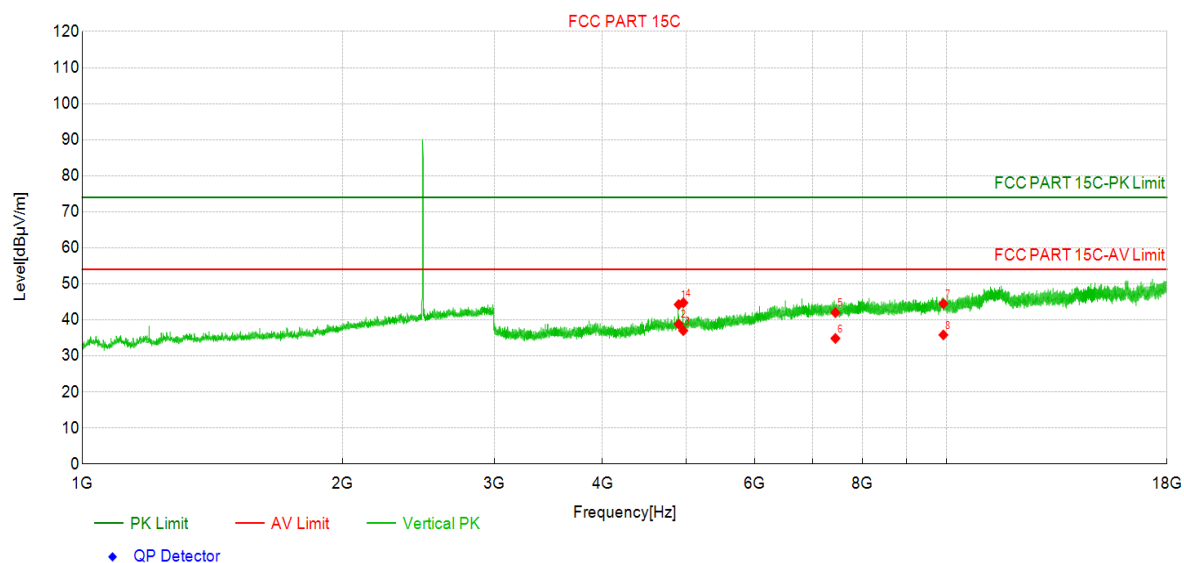


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4900.50	52.7	44.18	-8.470	74.00	29.82	PK	Horizo	PASS
2	4901.00	50.2	41.73	-8.470	54.00	12.27	AV	Horizo	PASS
3	4959.00	54.0	45.74	-8.250	74.00	28.26	PK	Horizo	PASS
4	4959.50	48.4	40.13	-8.250	54.00	13.87	AV	Horizo	PASS
5	7440.00	35.9	34.21	-1.690	54.00	19.79	AV	Horizo	PASS
6	7440.00	44.3	42.63	-1.690	74.00	31.37	PK	Horizo	PASS
7	9920.00	41.4	43.12	1.690	74.00	30.88	PK	Horizo	PASS
8	9920.00	34.3	35.95	1.690	54.00	18.05	AV	Horizo	PASS

Transmit at 2480MHz by IEEE 802.15.4

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4900.50	52.7	44.25	-8.470	74.00	29.75	PK	Vertic	PASS
2	4901.00	47.3	38.84	-8.470	54.00	15.16	AV	Vertic	PASS
3	4960.00	45.3	37.03	-8.250	54.00	16.97	AV	Vertic	PASS
4	4961.50	53.0	44.75	-8.250	74.00	29.25	PK	Vertic	PASS
5	7440.00	43.7	42.01	-1.690	74.00	31.99	PK	Vertic	PASS
6	7440.00	36.6	34.86	-1.690	54.00	19.14	AV	Vertic	PASS
7	9920.00	42.8	44.51	1.690	74.00	29.49	PK	Vertic	PASS
8	9920.00	34.2	35.84	1.690	54.00	18.16	AV	Vertic	PASS

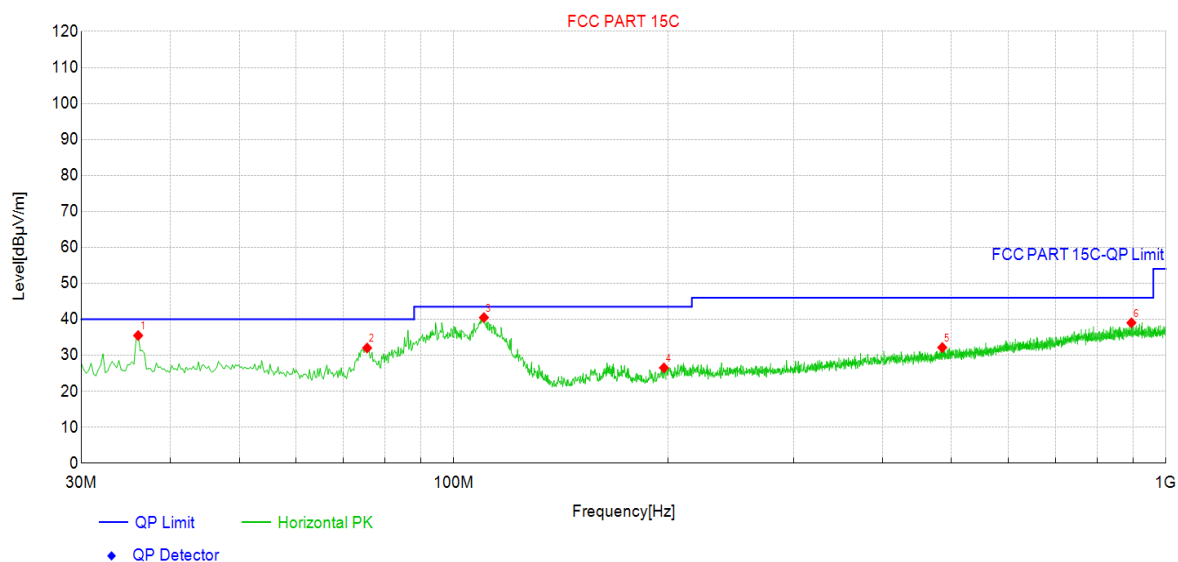
Note:

1. Level = Reading + Factor.

2. Margin = Limit - Level.

3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.

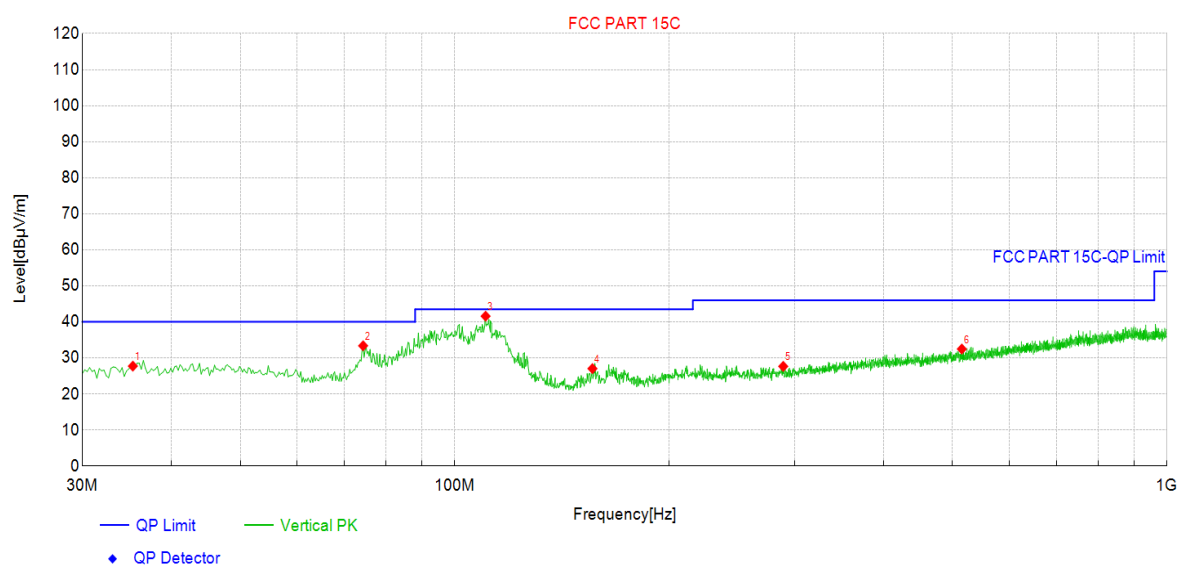
4. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.

The worst case of Radiated Emission below 1GHz :**Transmit at 2405MHz by IEEE 802.15.4***Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	36.06	22.3	35.50	13.230	40.00	4.50	PK	Horizo	PASS
2	75.59	22.2	32.03	9.870	40.00	7.97	PK	Horizo	PASS
3	110.27	28.3	40.49	12.180	43.50	3.01	PK	Horizo	PASS
4	197.33	14.9	26.51	11.640	43.50	16.99	PK	Horizo	PASS
5	485.17	14.9	32.17	17.310	46.00	13.83	PK	Horizo	PASS
6	894.27	16.2	39.04	22.810	46.00	6.96	PK	Horizo	PASS

Transmit at 2405MHz by IEEE 802.15.4

Test Graph



Data List

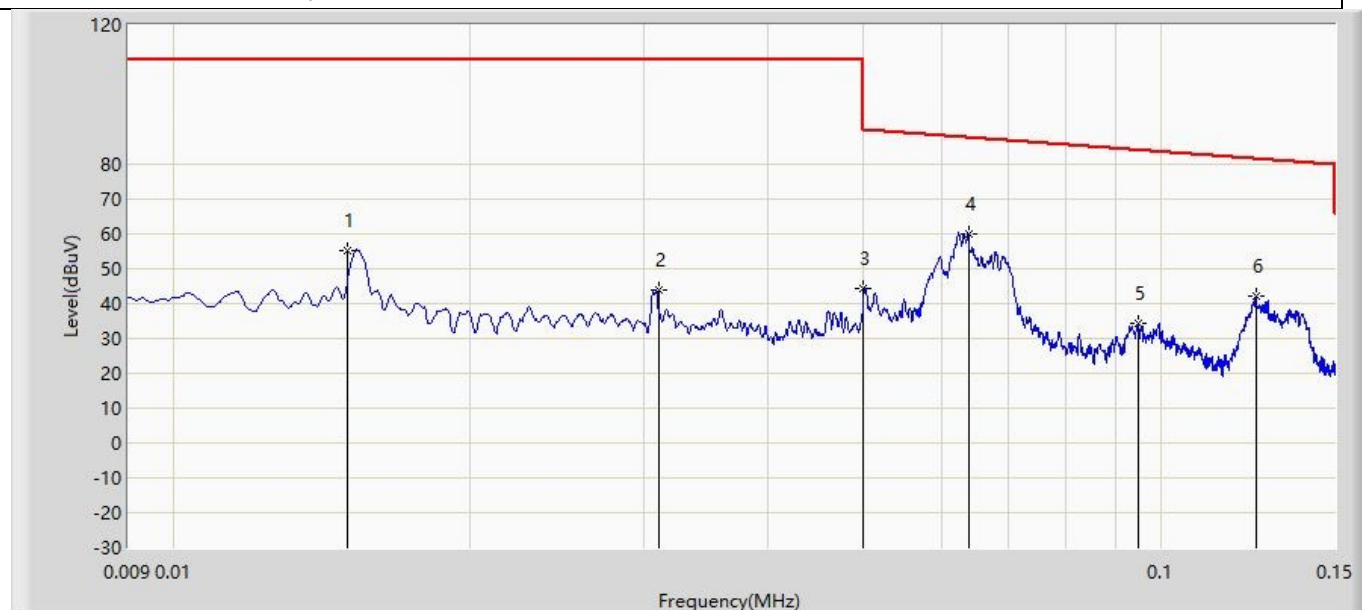
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	35.34	14.6	27.73	13.120	40.00	12.27	PK	Vertic	PASS
2	74.38	23.5	33.37	9.920	40.00	6.63	PK	Vertic	PASS
3	110.51	29.4	41.59	12.150	43.50	1.91	PK	Vertic	PASS
4	156.10	17.7	27.03	9.370	43.50	16.47	PK	Vertic	PASS
5	289.23	13.8	27.66	13.820	46.00	18.34	PK	Vertic	PASS
6	515.24	14.7	32.47	17.820	46.00	13.53	PK	Vertic	PASS

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Level=Reading+Factor.

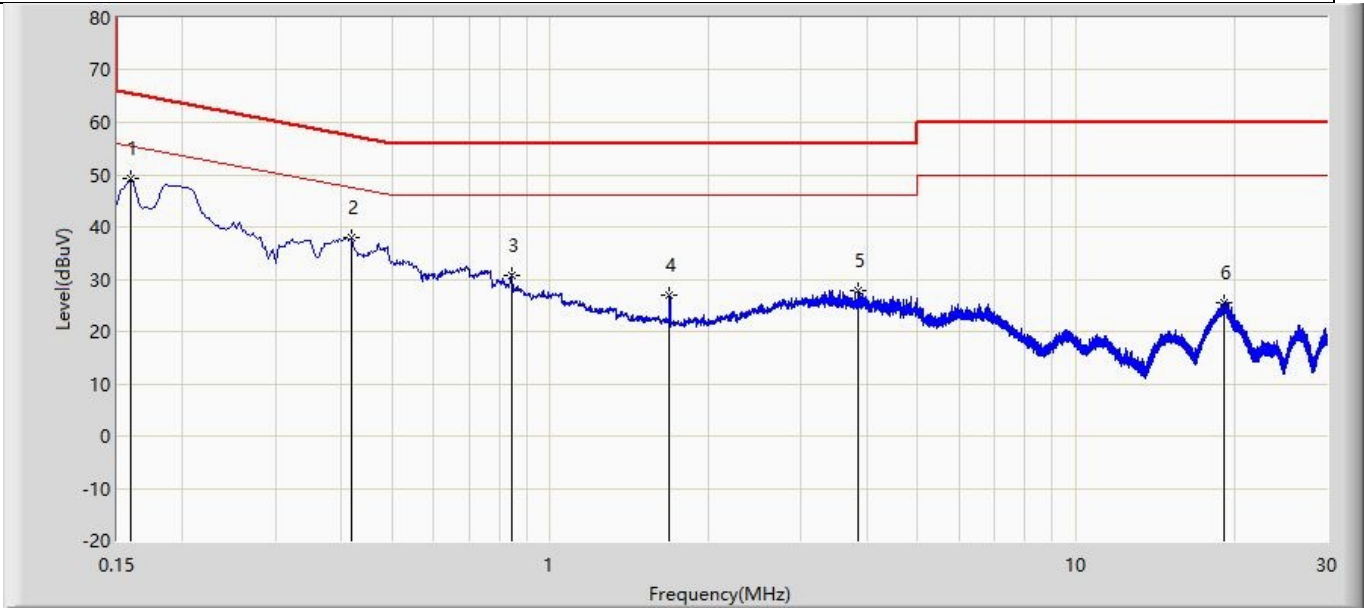
Appendix I: AC Power Line Conducted Emission

Profile: 2640063R	Page No.: 5
Engineer: Yu Liu	
Site: TR1	Time: 2026/04/19 - 19:23
Limit: IC_CE_AC Power-1	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: #1	Power: AC 120V/60Hz
Note: Transmit at 2405MHz by IEEE 802.15.4	



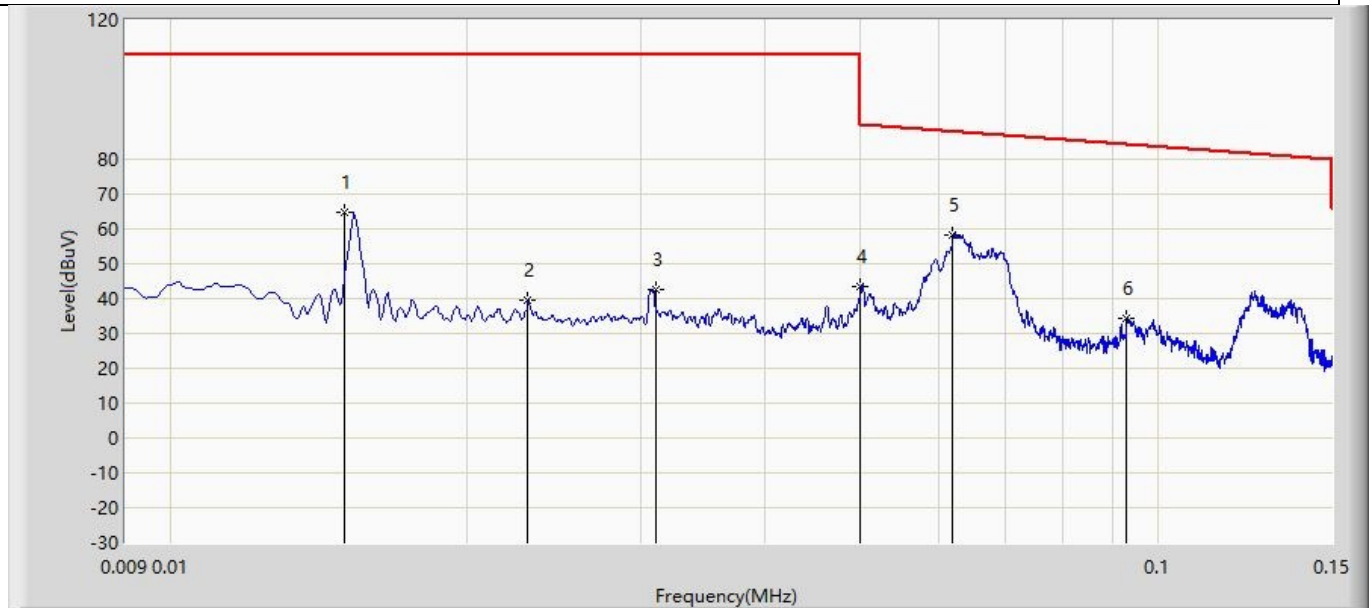
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.015	55.228	44.983	-54.772	110.000	10.245	QP
2		0.031	43.851	33.941	-66.149	110.000	9.910	QP
3		0.050	44.403	34.672	-45.597	90.000	9.731	QP
4	*	0.064	60.177	50.462	-27.576	87.753	9.715	QP
5		0.095	34.139	24.445	-50.019	84.158	9.694	QP
6		0.125	42.058	32.377	-39.602	81.660	9.681	QP

Profile: 2640063R	Page No.: 6
Engineer: Yu Liu	
Site: TR1	Time: 2026/04/19 - 19:24
Limit: IC_CE_AC Power-1	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: #1	Power: AC 120V/60Hz
Note: Transmit at 2405MHz by IEEE 802.15.4	



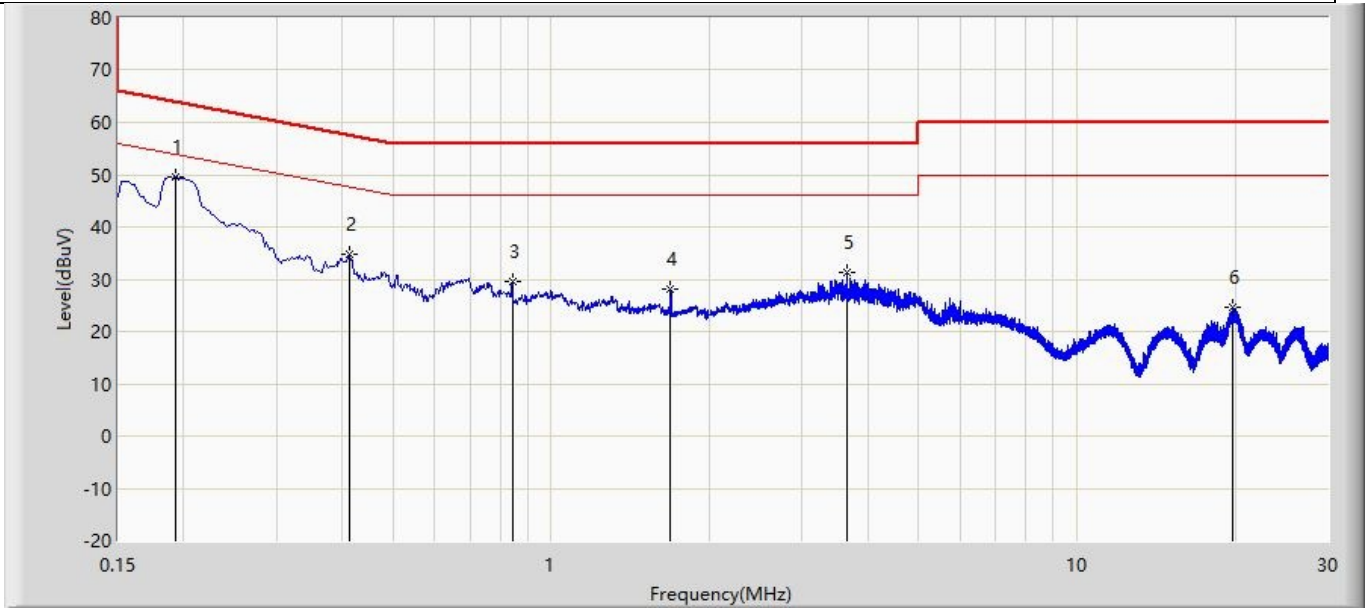
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.159	49.240	39.572	-16.276	65.516	9.668	QP
2		0.418	37.951	28.261	-19.537	57.488	9.691	QP
3		0.845	30.803	21.124	-25.197	56.000	9.680	QP
4		1.684	26.974	17.229	-29.026	56.000	9.745	QP
5		3.862	27.780	17.978	-28.220	56.000	9.802	QP
6		19.183	25.559	15.119	-34.441	60.000	10.440	QP

Profile: 2640063R	Page No.: 7
Engineer: Yu Liu	
Site: TR1	Time: 2026/04/19 - 19:24
Limit: IC_CE_AC Power-1	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: #1	Power: AC 120V/60Hz
Note: Transmit at 2405MHz by IEEE 802.15.4	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.015	64.615	54.337	-45.385	110.000	10.278	QP
2		0.023	39.427	29.326	-70.573	110.000	10.101	QP
3		0.031	42.633	32.708	-67.367	110.000	9.925	QP
4		0.050	43.661	33.930	-46.339	90.000	9.731	QP
5	*	0.062	58.318	48.606	-29.724	88.042	9.712	QP
6		0.093	34.524	24.862	-49.828	84.351	9.662	QP

Profile: 2640063R	Page No.: 8
Engineer: Yu Liu	
Site: TR1	Time: 2026/04/19 - 19:25
Limit: IC_CE_AC Power-1	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: #1	Power: AC 120V/60Hz
Note: Transmit at 2405MHz by IEEE 802.15.4	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.193	49.449	39.795	-14.458	63.906	9.654	QP
2		0.413	34.655	25.047	-22.933	57.588	9.607	QP
3		0.843	29.620	19.956	-26.380	56.000	9.665	QP
4		1.687	28.156	18.466	-27.844	56.000	9.690	QP
5		3.644	31.273	21.510	-24.727	56.000	9.763	QP
6		19.765	24.681	14.308	-35.319	60.000	10.373	QP

Note:
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor.

The End