

TEST REPORT

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EUT DESCRIPTION Table PC with Wi-Fi 802.11b, 802.11g, 802.11n

EUT TRADEMARK PHILIPS

EUT MODEL XPER MODULE

REFERENCE STANDARDS : FCC part 15.247
Industry Canada RSS 210

TEST REPORT NUMBER FCC.08.1113-3

TEST REPORT ISSUE DATE 06/11/2008

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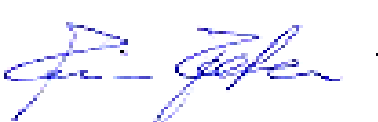
TESTING LOCATION As Above

DATE OF TEST SAMPLE RECEIPT 24/10/2008

DATE OF TEST 03-04-05-06/11/2008

TESTED BY Andrea Bortolotti

APPROVED BY Massimo Maltempi

*The test results reported in this test report shall refer only to the sample actually tested and shall not refer or be deemed to refer to bulk from which such a sample may be said to have been obtained.
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1. TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT)

1.1 Identification

Brand name: *PHILIPS*
 Manufacturer: *FIMI S.R.L - PHILIPS*
 Equipment : **XPER MODULE**
 Serial number : Not present
 FCC ID : GZM802160
 IC ID : 6319A-802160
 Country of manufacturer: ITALY

1.2 Technical data

FCC class: 47 CFR FCC Part 15 Subpart C § 15.247
 Product type: WLAN
 Radio type: Intentional transceiver
 Power type : Power adapter
 Modulation: DSS for IEEE 802.11b; OFDM for IEEE 802.11g; OFDM for IEEE 802.11 n
 Data Modulation : DSS (BPSK / QPSK / CCK) ; OFDM (BPSK / QPSK / 16QAM / 64 QAM)
 Data Rate (Mbps) : DSS (1 / 2 / 5.5 / 11) ; OFDM (6/ 9 / 12 / 18 / 24 / 36 / 48 / 54)
 Frequency range : 2400 – 2483.5 MHz
 Channel number : 11
 Channel Band Width (99%) : 11b:14.04 MHz; 11g:16.40 MHz
 Conducted Output Power : 11b:18.11 dBm; 11g:12.79 dBm
 Carrier Frequency for 20MHz bandwidth (protocol b/g/n):
 Channel No.1: 2412 MHz Channel No.7: 2442 MHz
 Channel No.2: 2417 MHz Channel No.8: 2447 MHz
 Channel No.3: 2422 MHz Channel No.9: 2452 MHz
 Channel No.4: 2417 MHz Channel No.10: 2457 MHz
 Channel No.5: 2432 MHz Channel No.11: 2462 MHz
 Channel No.6: 2437 MHz
 Carrier Frequency for 40MHz bandwidth (protocol n only):
 Channel No.1: 2422 MHz Channel No.5: 2442 MHz
 Channel No.2: 2427 MHz Channel No.6: 2447 MHz
 Channel No.3: 2432 MHz Channel No.7: 2452 MHz
 Channel No.4: 2437 MHz
 Field Antenna : Antenna Type: PIFA Antenna
 Connector: UFL
 Gain: -1.48 dBi

1.3 Modifications incorporated in E.U.T.

The following items are the modifications introduced in the equipment under test :

- None

1.4 Ports identification

This section contains descriptions of all signal ports and AC/DC power input/output ports, the length and the type of the cable provided by manufacturer needed for the tests.

Moreover it is specified if the ports are ever or optionally connected.

Port		Description	Connection
1	Enclosure	Plastic case	By screws and by pressure
2	AC power input/output ports	110Vac 60Hz external power supply	By plug
3	DC power input/output ports	----	Port not present
4	Signals / control lines	2 Usb ports (Type 2.0) (how declared by the client, cable < 3mt)	Female type A plug
5	Telecommunication ports	10/100 Mbps wired LAN (how declared by client, cable > 3mt)	By 9 pins D-sub
<i>Note: During the tests all cables must be what provided the manufacturer or the same that used in the real employment of the EUT.</i>			

1.5 Auxiliary equipment

- SMPS USED FOR EMC TEST

APS100EM-190530 LF - 5.3 A (manufacturer APS)
100-240Ac 1.2-0.6A 50/60Hz // 19Vdc

- *MONITOR METAL SUPPORT USED FOR EMC TEST*

SUPPLIED BY: PMS (Philips Medical System)
TYPE: TSM INTERFACE
12 NC: 4522 128 8590x



Monitor fixing points.

2. TEST CONDITIONS

2.1 Operating test modes and test conditions

The equipment has been tested according to the operative conditions described in the user/installation manual provided by the manufacturer and by following reference standards :

Reference Standard:

- 47 CFR FCC Part 15 Subpart C § 15.247
- RSS-210 Issue 7 June 2007 - *Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment*,

In the following table there are the operating conditions adopted during tests identified by an indicator (#..) at which has been referred the item “Operating condition of the equipment under test” of all technical sheets of the tests (see Section 4)

Operating condition	Description
#1	Display Mate Utilities” active; control of LAN connection (ping at 100Mbps + WLAN TX @ maximum power with dedicated software (see photographic documentation for details)

2.2 Test overview

The appliance is classified as “*Intentional radiator*” in conformity to FCC Part 15 Subpart C § 15.247.

The application is mainly : 12” XGA touch-screen with a built-in 802.11b/g/n WLAN interface and Windows XP embedded as thin client operating system. Called ProScribe, this mobile display is the ideal workflow tool in environments where professionals work away from their desks. With its touch screen, rugged durability and wireless connectivity, it enables mobile users to stay in contact with their applications while saving time, increasing productivity and reducing errors

3. REFERENCE STANDARD FOR PERFORMED TESTS

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.4-2003 and 47 CFR FCC Part 15 Subpart C.

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.4-2003 and RSS 210 annex 1 and 8

4. SUMMARY OF TEST RESULTS

4.1 Emission tests

Port		Phenomena	Basic standard	Operating condition ¹	Result
1	Enclosure	Radiated emission	FCC Part 15 § 15 247 RSS 210 § annex1 and 8	#1	Within the limit
2	AC mains Input ports	RF Disturbance voltage: • continuous	FCC Part 15 § 15 207	#1	Within the limit

Note:

The tests Maximum Peak Output Power, Power Spectral Density, 6dB Spectrum Bandwidth, Band Edge Emission, Antenna Requirements can be extended to the relationship of test RF970425L14 in how much the only modified devices is the switching local power source that working to a frequency of some kHz cannot change the result of the made tests previously.

5. TEST RESULTS

EMISSION OF MAINS TERMINAL DISTURBANCE VOLTAGE (CONTINUOUS DISTURBANCE)	10
RADIATED EMISSION 9 KHZ 10 TH HARMONIC	13

**TEST
1**

**EMISSION OF MAINS TERMINAL DISTURBANCE VOLTAGE
(CONTINUOUS DISTURBANCE)**

**REFERENCE
DOCUMENT**

FCC 47CFR Part 15

ICES-003

- **TEST SETUP:** According to reference standard
- **TEST LOCATION:** Semianechoic chamber
- **TEST EQUIPMENT USED FOR TEST:** EMI receiver Rohde & Schwarz Mod. ESU 40
Artificial Network Rohde & Schwarz Mod. ESH3-Z5

- **TESTED PORT:** AC mains : Phase and Neutral Line
- **FREQUENCY RANGE:** 0.15 - 30 MHz
- **EMISSION LIMITS:** Section 15.207 of Standard
- **MEASUREMENT UNCERTAINTY:** Total uncertainty (k=2) $\pm$ 2.5 dB

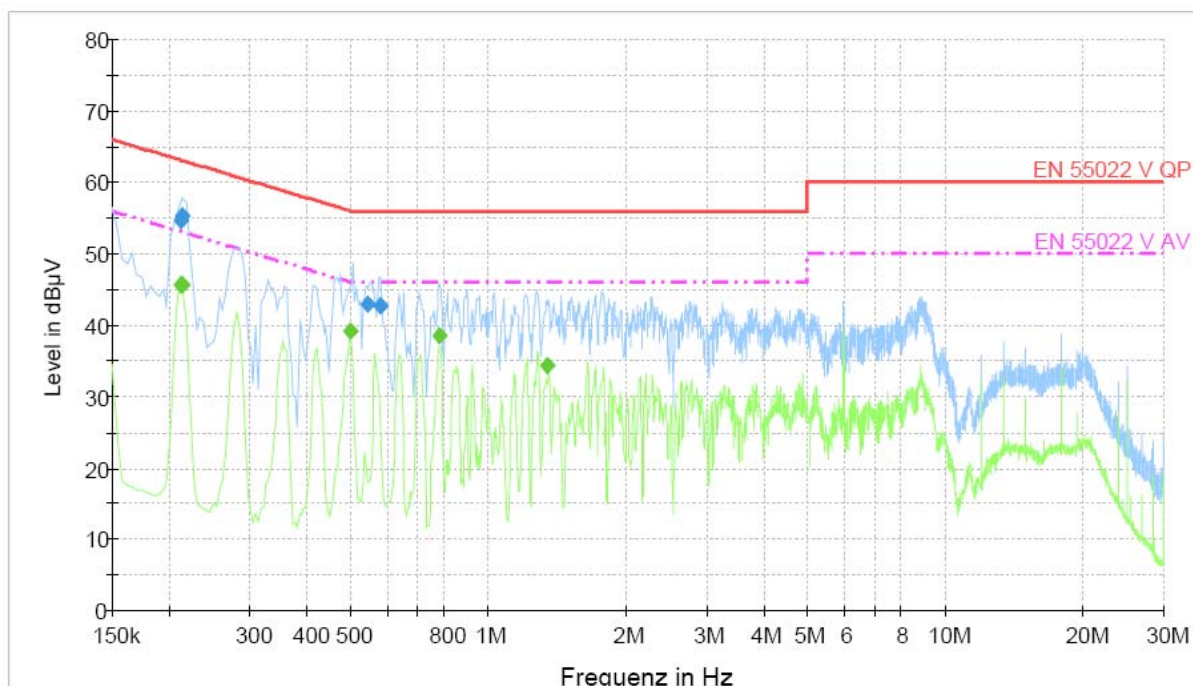
TEST CONDITIONS:		MEASURED
Ambient temperature :	15 - 35 °C	24 $\pm$ 3 °C
Ambient humidity :	25 - 75 %rH	38 $\pm$ 5 %rH
Pressure :	85 - 106 kPa (860 mbar - 1060 mbar)	975 $\pm$ 50 mbar

OPERATING CONDITION (Rif. Section. 2) : #1

RESULT: WITHIN THE LIMIT



Neutral



— EN 55022 V QP.LimitLine — EN 55022 V AV.LimitLine — Preview Result 1
— Preview Result 2 ◆ Final Result 1 ◆ Final Result 2

Final Result 1

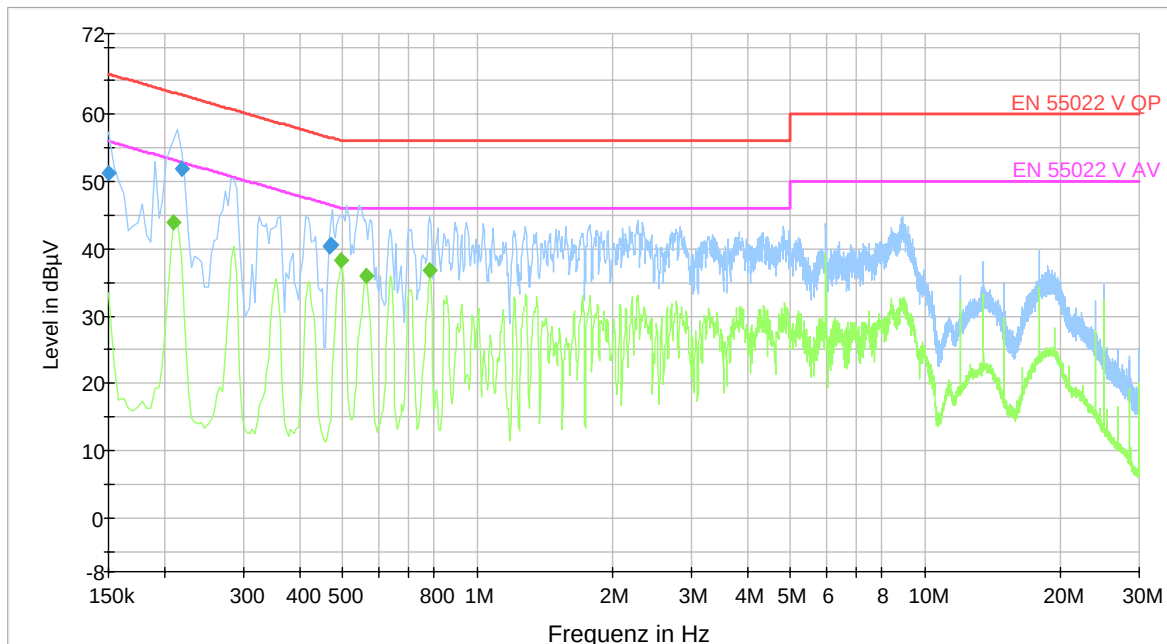
Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.212000	54.6	1000.000	9.000	GND	N	10.0	8.53	63.13	
0.214000	55.2	1000.000	9.000	GND	N	10.0	7.85	63.05	
0.544000	43.0	1000.000	9.000	GND	N	10.1	13.00	56.00	
0.580000	42.7	1000.000	9.000	GND	N	10.1	13.30	56.00	

Final Result 2

Frequency (MHz)	C.Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.212000	45.7	1000.000	9.000	GND	N	10.0	7.43	53.13	
0.214000	45.6	1000.000	9.000	GND	N	10.0	7.45	53.05	
0.500000	39.2	1000.000	9.000	GND	N	10.1	6.80	46.00	
0.784000	38.6	1000.000	9.000	GND	N	10.2	7.40	46.00	
1.348000	34.3	1000.000	9.000	GND	N	10.1	11.70	46.00	

Phase

EN 55022 with 2-Line-LISN



— EN 55022 V QP.LimitLine — EN 55022 V AV.LimitLine — Preview Result 1
— Preview Result 2 ◆ Final Result 1 ◆ Final Result 2

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	51.2	1000.000	9.000	GN	L1	10.1	14.80	66.00	
0.218000	51.8	1000.000	9.000	GN	L1	10.0	11.09	62.89	
0.468000	40.5	1000.000	9.000	GN	L1	10.1	16.05	56.55	
0.472000	40.6	1000.000	9.000	GN	L1	10.1	15.88	56.48	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.210000	43.9	1000.000	9.000	GN	L1	10.0	9.31	53.21	
0.496000	38.2	1000.000	9.000	GN	L1	10.1	7.87	46.07	
0.564000	35.9	1000.000	9.000	GN	L1	10.1	10.10	46.00	
0.784000	36.9	1000.000	9.000	GN	L1	10.2	9.10	46.00	

**TEST
2**

RADIATED EMISSION 9 KHZ ÷ 10TH HARMONIC

**REFERENCE
DOCUMENT**

FCC 47CFR Part 15

- **TEST LOCATION:** Semi-anechoic chamber
- **TEST EQUIPMENT USED FOR TEST:** EMI receiver Rohde & Schwarz Mod. ESU 40
Chase Antenna Mod. CBL 6111 A
- **TESTED PORT:** Enclosure
- **EMISSION LIMITS:** Acc. to Section 15.209 of reference document
- **UNCERTAINTY OF MEASURE:** Combined uncertainty = ± 1.75 dB
Total uncertainty = (k=2) ± 3.5 dB

TEST CONDITIONS:		MEASURED
Ambient temperature :	15 - 35 °C	23,5 $\pm$ 3 °C
Ambient humidity :	25 - 75 %rH	39 $\pm$ 5 %rH
Pressure :	85 - 106 kPa (860 mbar - 1060 mbar)	950 $\pm$ 50 mbar

OPERATING CONDITION (Rif. Section. 2) : #1

RESULT: WITHIN THE LIMIT

Note for radiated emission (9kHz – 30 MHz)

The amplitude of spurious emission which are attenuated by more than 20 dB below the permissible value has no need to be reported.

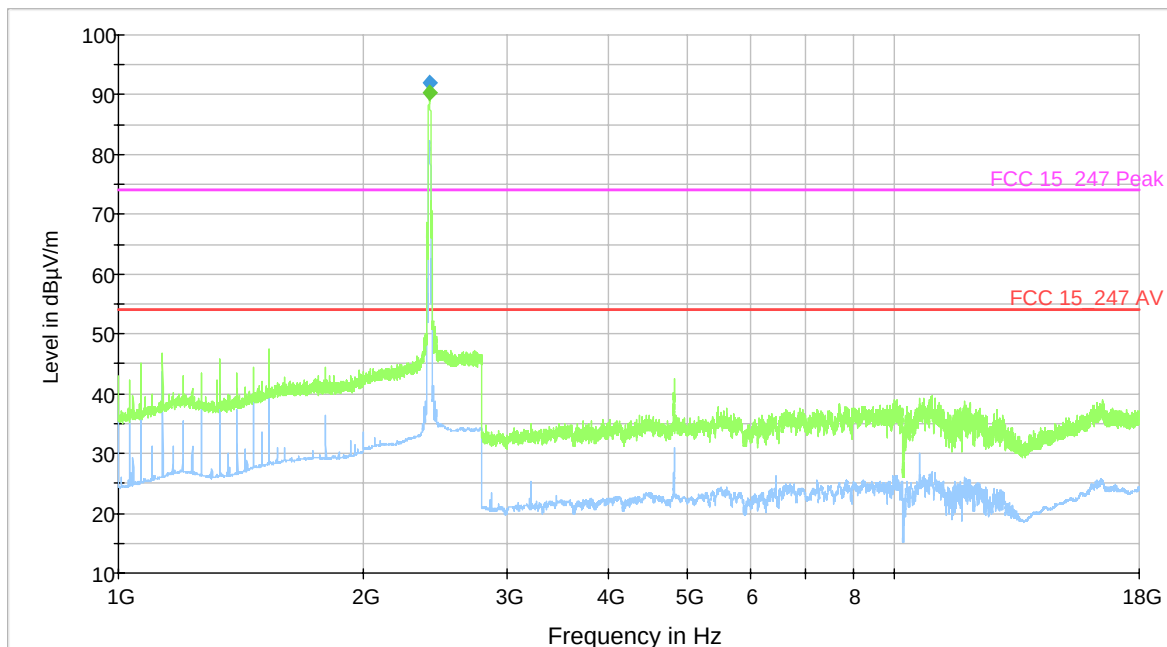
Protocol b

CH1	2412MHz
CH6	2437MHz
CH11	2462MHz

Vertical Polarization

CH1

Electric Field Strength FCC

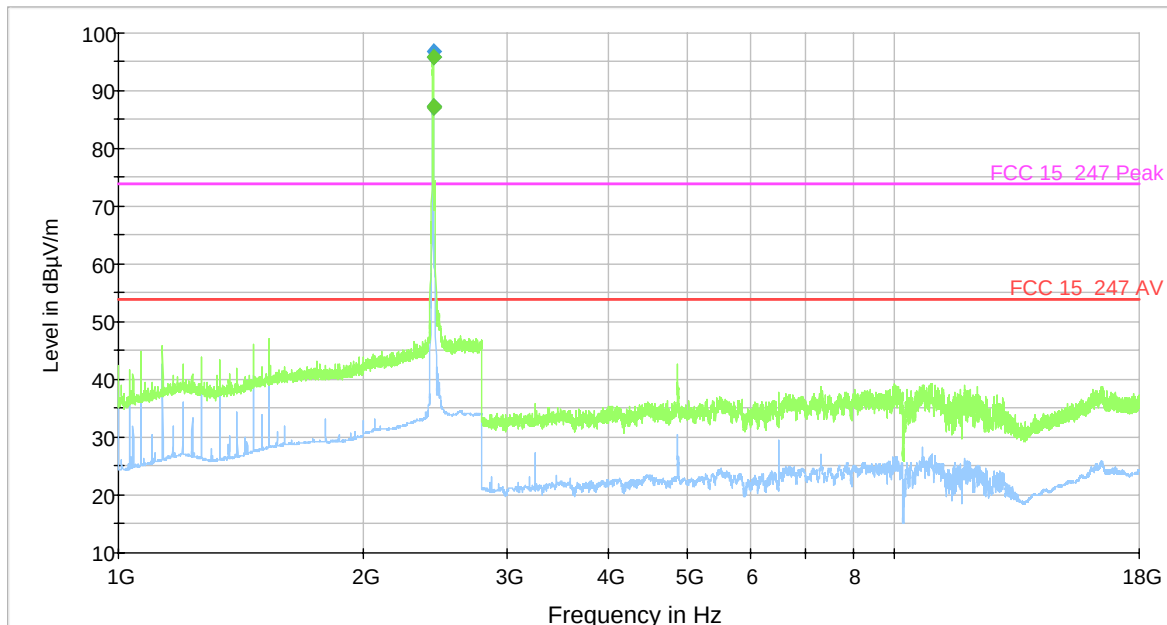


Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)
2415.20000	92.0	100.000	1000.000	111.0	V	203.0	29.4	-45.00

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)
2414.40000	90.4	100.000	1000.000	109.0	V	198.0	29.4	-16.40

CH6

Electric Field Strength FCC



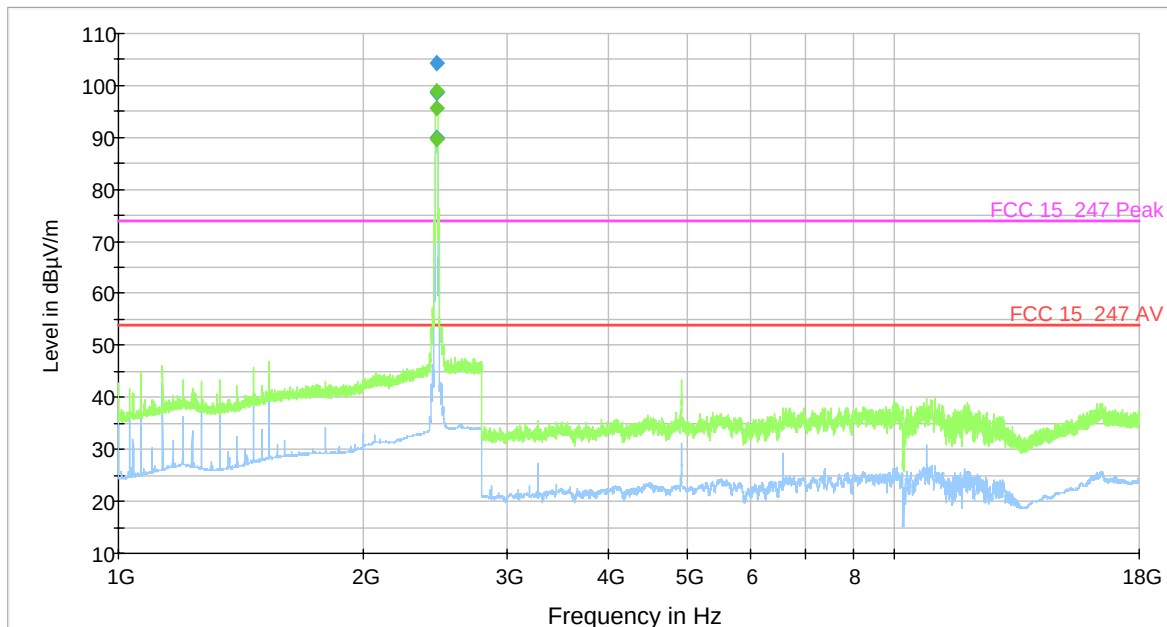
— FCC 15_247 AV.LimitLine
— FCC 15_247 Peak.LimitLine
— Preview Result 1
— Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1
◆ Final Result 2 +

Frequency (MHz)	Average-ClearWrite (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2438.80000	87.3	95.8	95.8	250.0	V

Frequency (MHz)	Average-MaxHold (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2439.20000	87.2	95.9	95.9	250.0	V

CH11

Electric Field Strength FCC



— FCC 15_247 AV.LimitLine — FCC 15_247 Peak.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 1 ◆ Final Measurement Result 2 ◆ Final Result 1 ◆ Final Result 1 +
◆ Final Result 2 ◆ Final Result 2 +

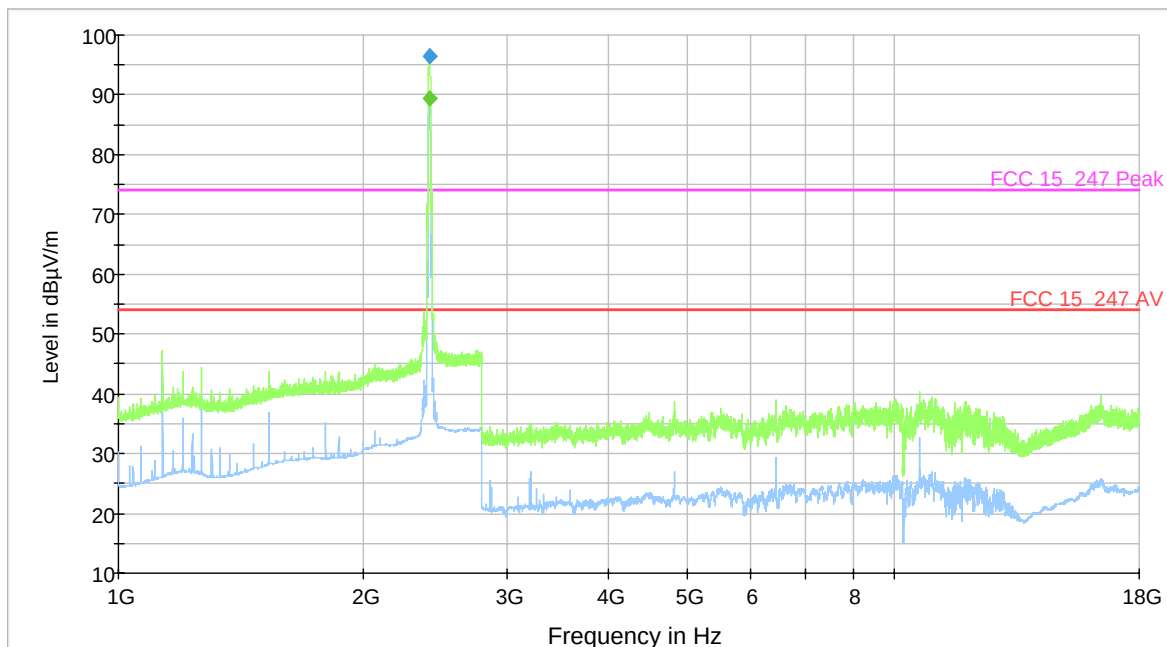
Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2464.00000	90.1	98.7	98.7	100.0	V

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2464.40000	89.8	98.9	98.9	100.0	V

Horizontal polarization

CH1

Electric Field Strength FCC



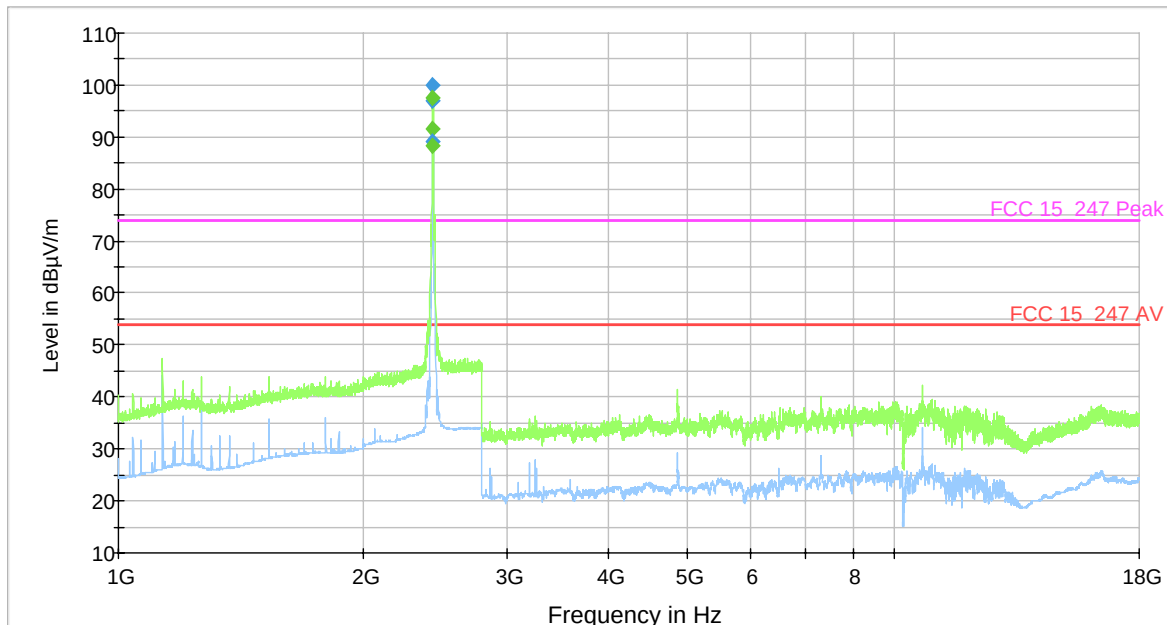
— FCC 15_247 AV.LimitLine — FCC 15_247 Peak.LimitLine — Preview Result 1
— Preview Result 2 ◆ Final Result 1 ◆ Final Result 2

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)
2414.80000	96.5	100.000	1000.000	248.0	H	164.0	29.4	-42.50

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)
2414.40000	89.4	100.000	1000.000	197.0	H	175.0	29.4	-15.40

CH6

Electric Field Strength FCC



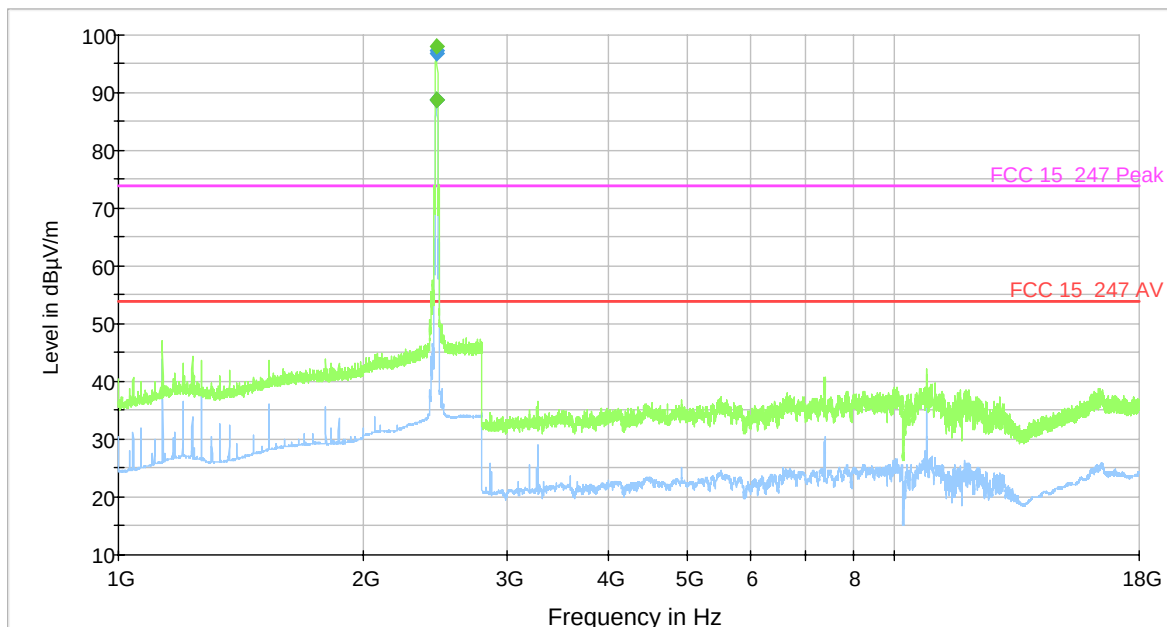
◆ FCC 15_247 AV.LimitLine
◆ Final Measurement Result 2
◆ Final Result 2 +
◆ FCC 15_247 Peak.LimitLine
◆ Final Measurement Result 1
◆ Final Result 1
◆ Preview Result 1
◆ Final Result 1
◆ Preview Result 2
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2434.80000	89.0	96.9	96.9	100.0	H

Frequency (MHz)	Average-MaxHold (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2434.40000	88.4	97.5	97.5	100.0	H

CH11

Electric Field Strength FCC



◆ FCC 15_247 AV.LimitLine
◆ Final Measurement Result 2
◆ Final Result 2 +
 ◆ FCC 15_247 Peak.LimitLine
◆ Final Measurement Result 1
◆ Final Result 1
 ◆ Preview Result 2
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2460.40000	88.8	96.7	96.7	250.0	H

Frequency (MHz)	Average-MaxHold (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2459.20000	88.8	98.0	98.0	250.0	H

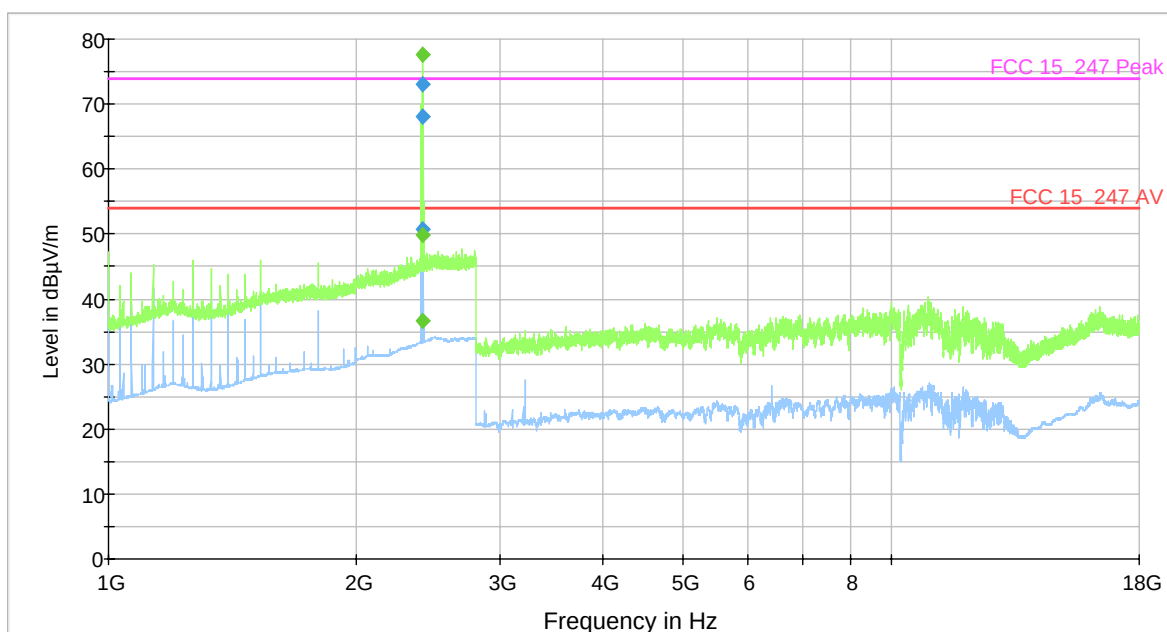
Protocol g

CH1	2412MHz
CH6	2437MHz
CH11	2462MHz

Vertical polarization

CH1

Electric Field Strength FCC



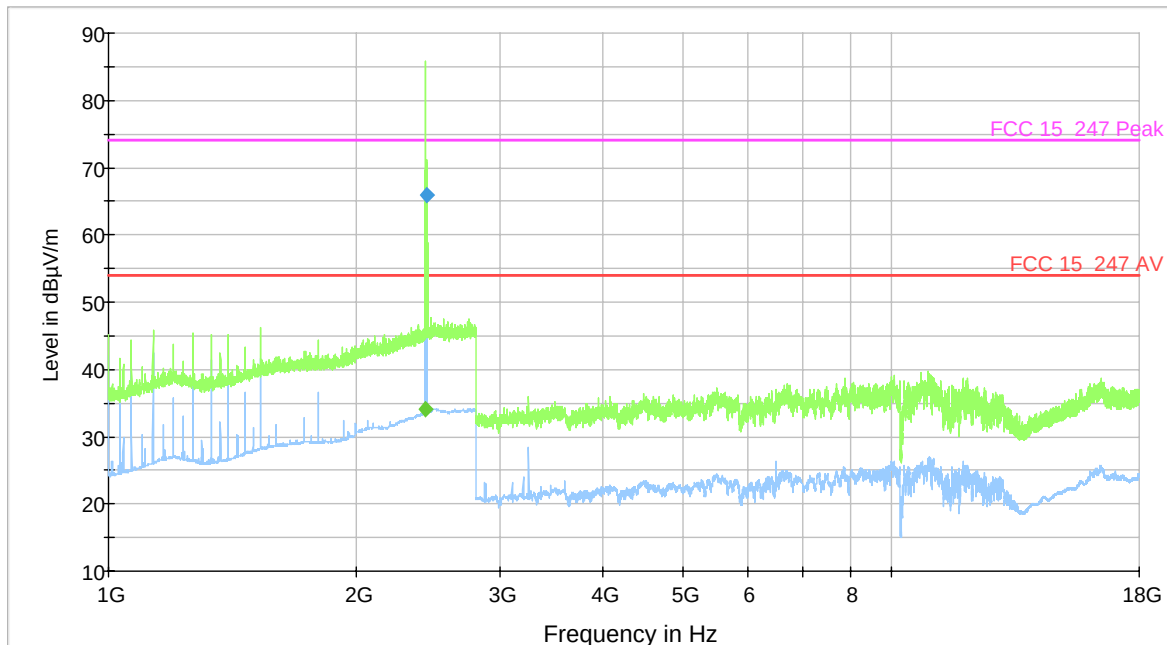
— FCC 15_247 AV.LimitLine
— FCC 15_247 Peak.LimitLine
— Preview Result 1
— Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2408.40000	50.8	73.2	73.2	250.0	V

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2416.80000	49.8	77.6	77.6	250.0	V

CH6

Electric Field Strength FCC



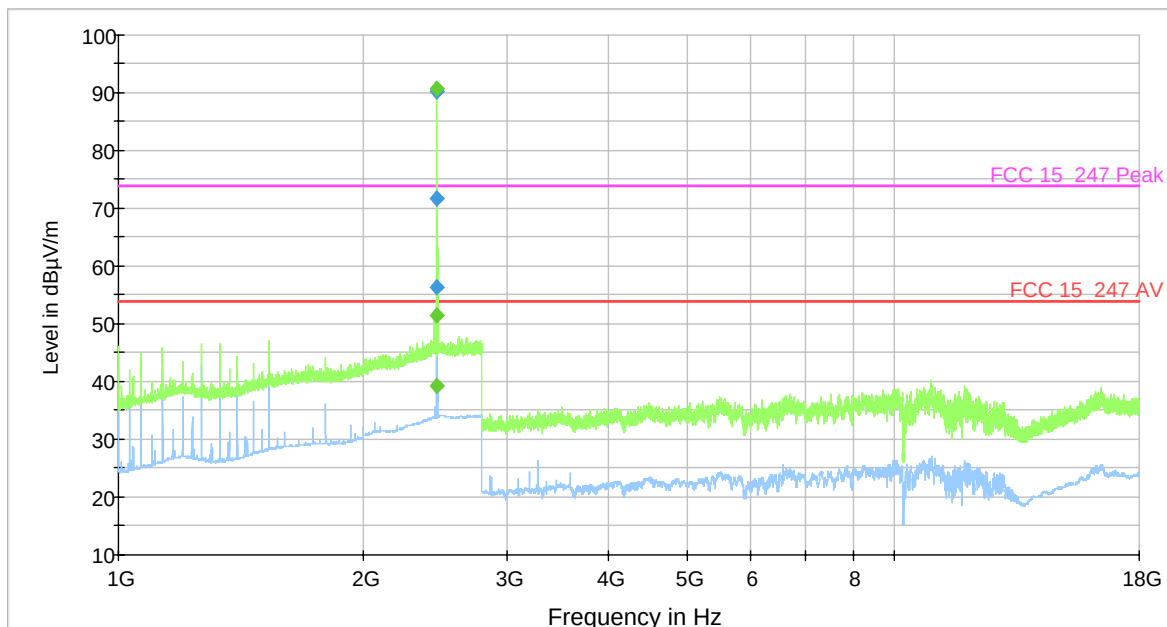
— FCC 15_247 AV.LimitLine — FCC 15_247 Peak.LimitLine — Preview Result 1
— Preview Result 2 ◆ Final Result 1 ◆ Final Result 2

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)
2438.00000	65.8	100.00	1000.000	217.0	V	179.0	29.5	-11.80

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)
2429.20000	34.0	100.00	1000.000	139.0	V	179.0	29.5	40.00

CH11

Electric Field Strength FCC



—◆— FCC 15_247 AV.LimitLine
—◆— FCC 15_247 Peak.LimitLine
—◆— Preview Result 1
—◆— Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1 +
◆ Final Result 2 +

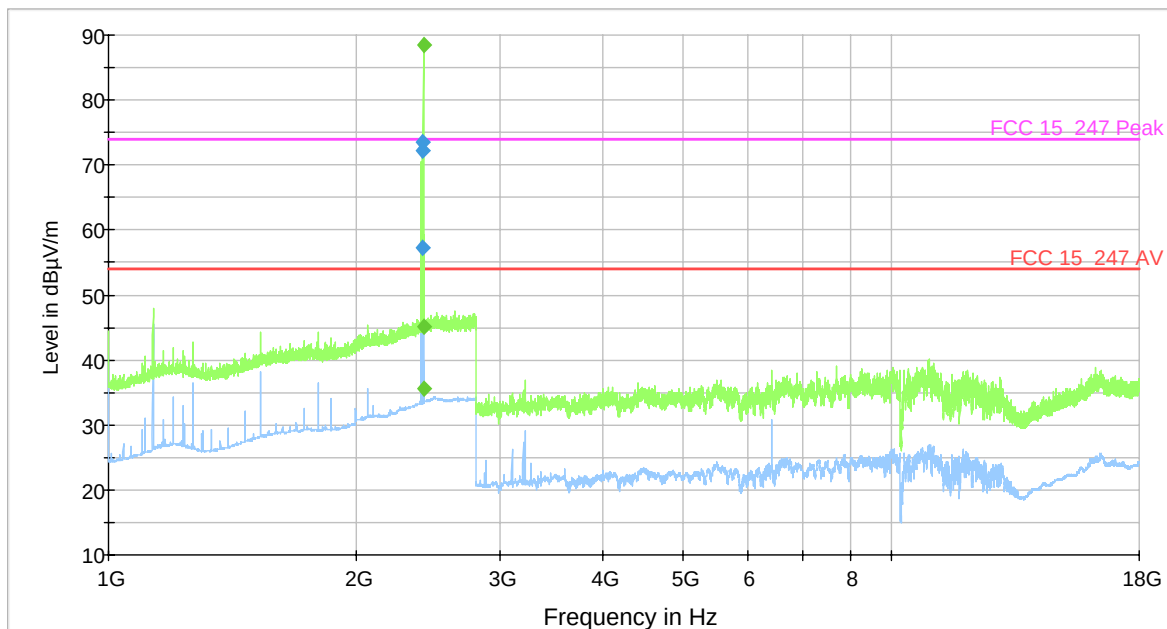
Frequency (MHz)	Average-ClearWrite (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2458.80000	56.2	90.3	90.3	100.0	V

Frequency (MHz)	Average-MaxHold (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2459.20000	51.4	90.7	90.7	100.0	V

Horizontal polarization

CH1

Electric Field Strength FCC



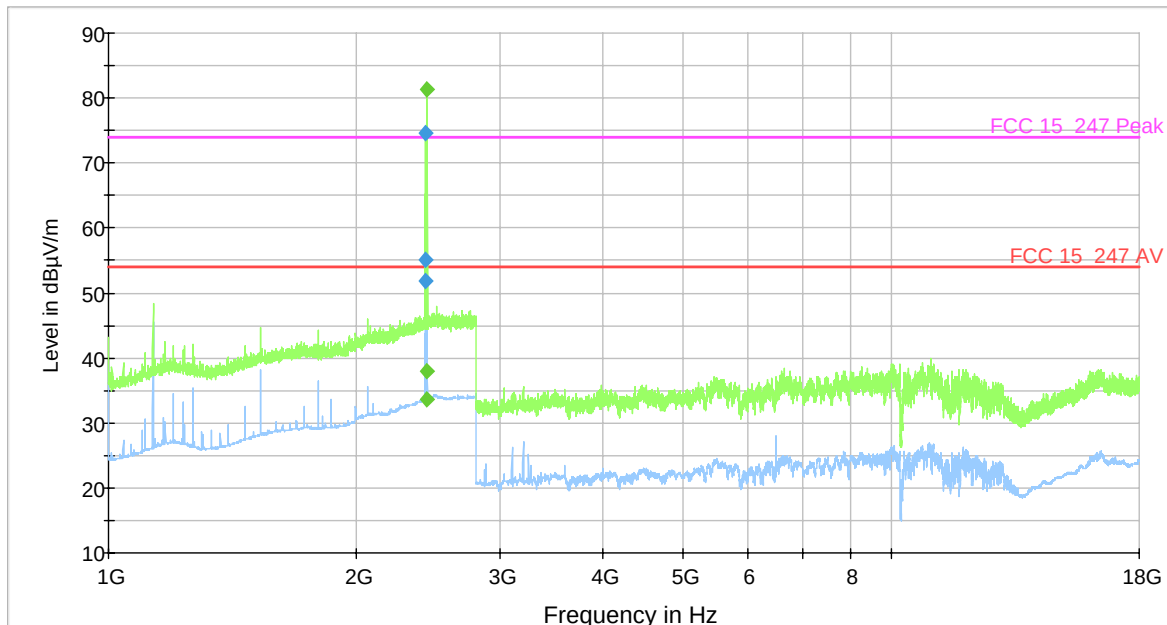
◆ FCC 15_247 AV.LimitLine
◆ FCC 15_247 Peak.LimitLine
◆ Preview Result 1
◆ Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1
◆ Final Result 2 +

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2409.20000	57.2	73.6	73.6	100.0	H

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2417.20000	45.2	88.5	88.5	250.0	H

CH6

Electric Field Strength FCC



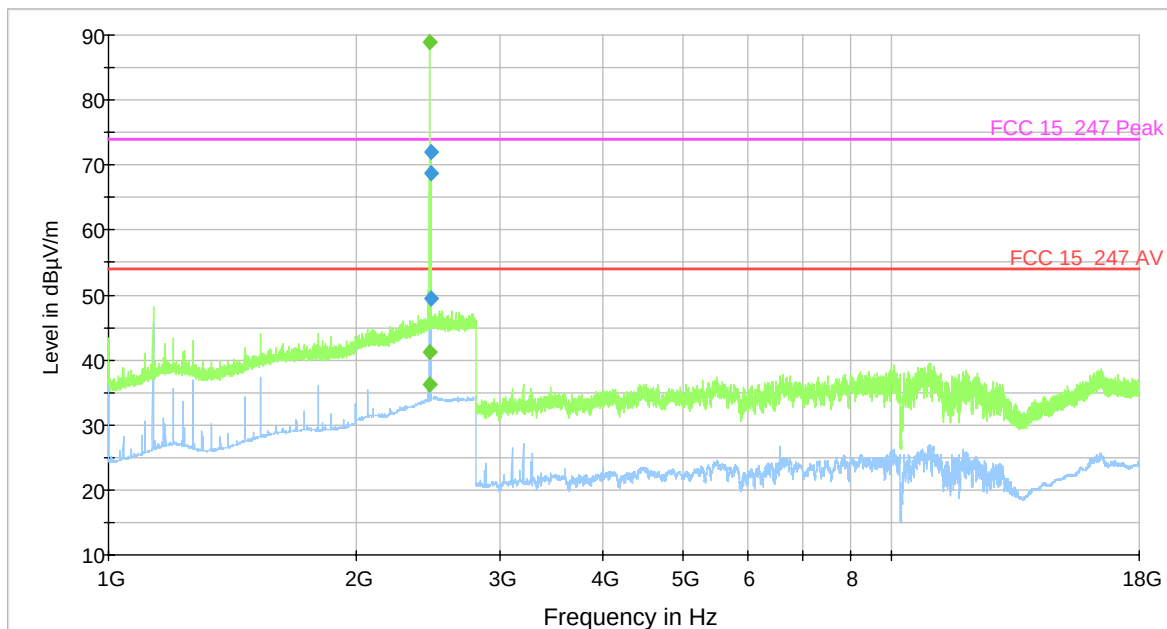
— FCC 15_247 AV.LimitLine
— FCC 15_247 Peak.LimitLine
— Preview Result 1
— Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1
◆ Final Result 2 +

Frequency (MHz)	Average-ClearWrite (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2433.60000	51.9	74.5	74.5	100.0	H

Frequency (MHz)	Average-MaxHold (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2445.60000	37.9	81.4	81.4	250.0	H

CH11

Electric Field Strength FCC



◆ FCC 15_247 AV.LimitLine
◆ FCC 15_247 Peak.LimitLine
◆ Preview Result 1
◆ Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2 +
◆ Final Result 1
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2466.00000	49.4	72.0	72.0	250.0	H

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2457.60000	41.3	88.8	88.8	250.0	H

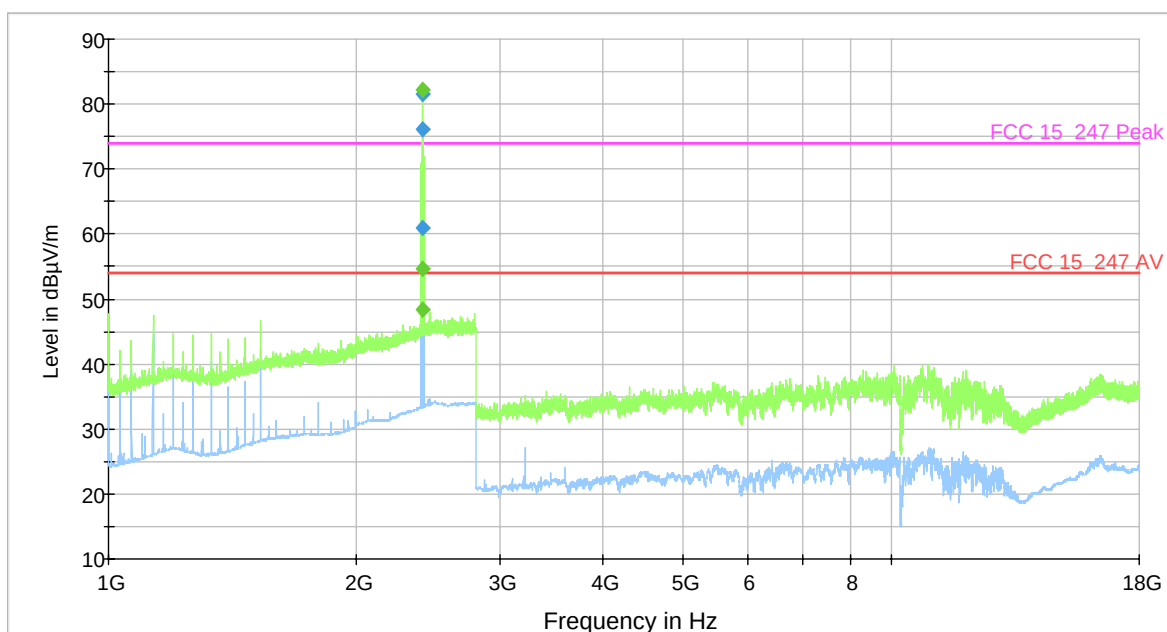
Protocol n (20MHz bandwidth)

CH1	2412MHz
CH6	2437MHz
CH11	2462MHz

Vertical polarization

CH1

Electric Field Strength FCC



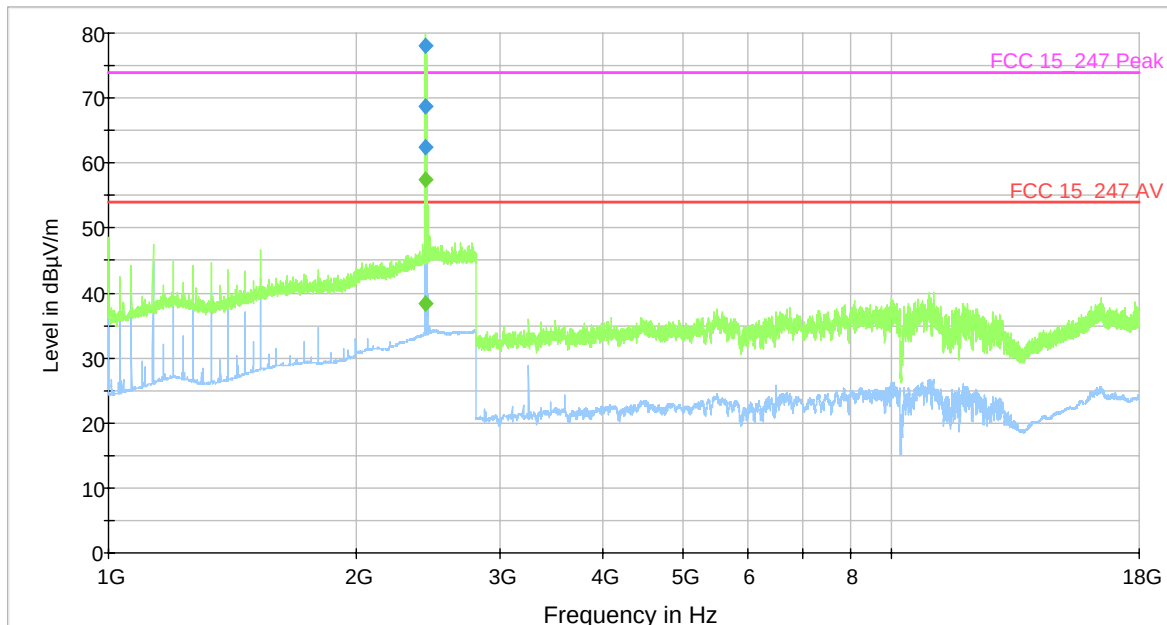
— FCC 15_247 AV.LimitLine — FCC 15_247 Peak.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 1 ◆ Final Measurement Result 2 ◆ Final Result 1 ◆ Final Result 1 +
◆ Final Result 2

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2410.40000	61.1	76.1	76.1	100.0	V

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2409.20000	54.6	82.1	82.1	250.0	V

CH6

Electric Field Strength FCC



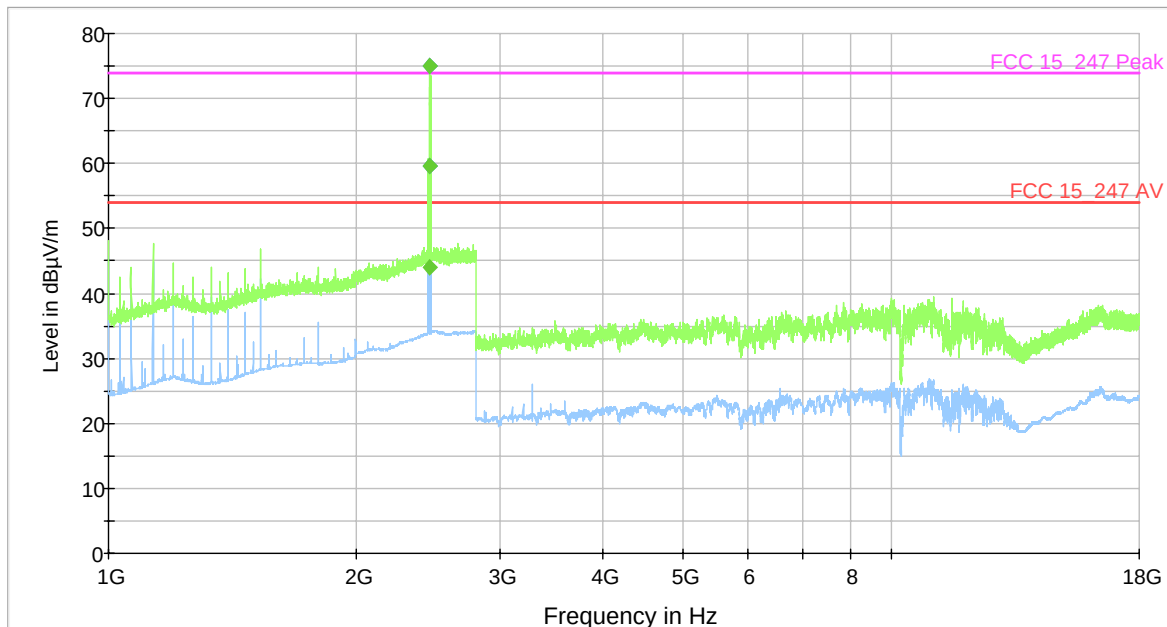
— FCC 15_247 AV.LimitLine
— FCC 15_247 Peak.LimitLine
— Preview Result 1
— Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2434.00000	62.5	78.1	78.1	100.0	V

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2435.20000	57.4	84.8	84.8	100.0	V

CH11

Electric Field Strength FCC



— FCC 15_247 AV.LimitLine — FCC 15_247 Peak.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 1 ◆ Final Measurement Result 2 ◆ Final Result 1 ◆ Final Result 1 +
◆ Final Result 2 ◆ Final Result 2 +

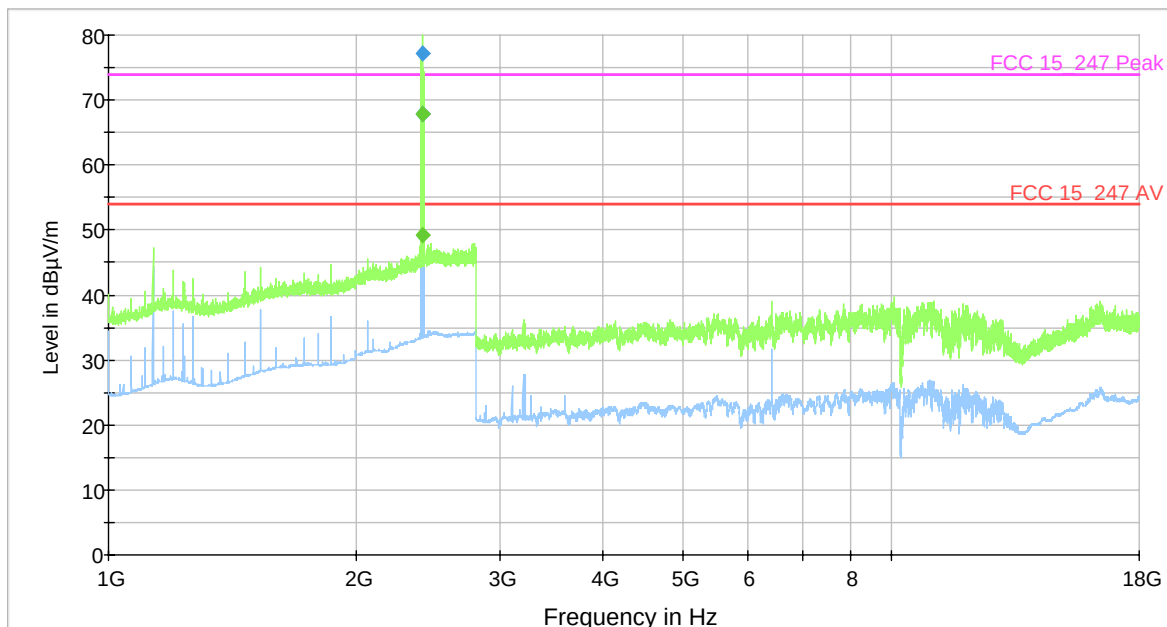
Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2461.20000	59.5	75.0	75.0	100.0	V

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2461.20000	59.5	75.0	75.0	100.0	V

Horizontal polarization

CH1

Electric Field Strength FCC



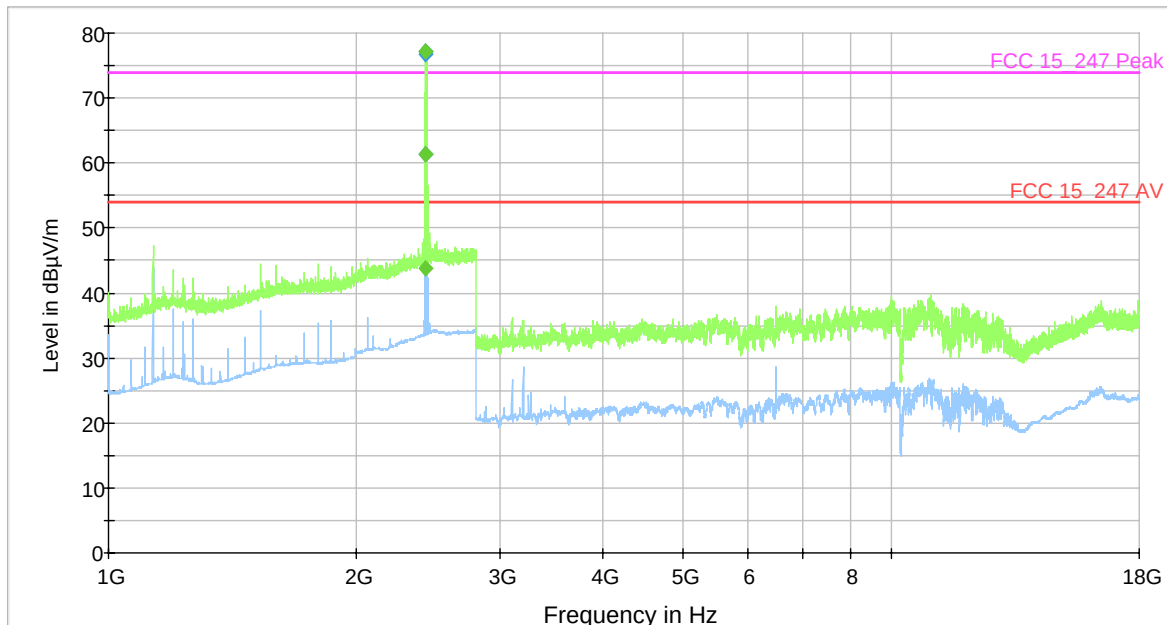
◆ FCC 15_247 AV.LimitLine
◆ Final Measurement Result 1
◆ Final Result 2
◆ FCC 15_247 Peak.LimitLine
◆ Final Measurement Result 2
◆ Final Result 2 +
◆ Preview Result 1
◆ Final Result 1
◆ Preview Result 2
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2413.60000	67.9	83.6	83.6	250.0	H

Frequency (MHz)	Average-MaxHold (dBμV/m)	MaxPeak-ClearWrite (dBμV/m)	MaxPeak-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2413.60000	67.9	83.6	83.6	250.0	H

CH6

Electric Field Strength FCC



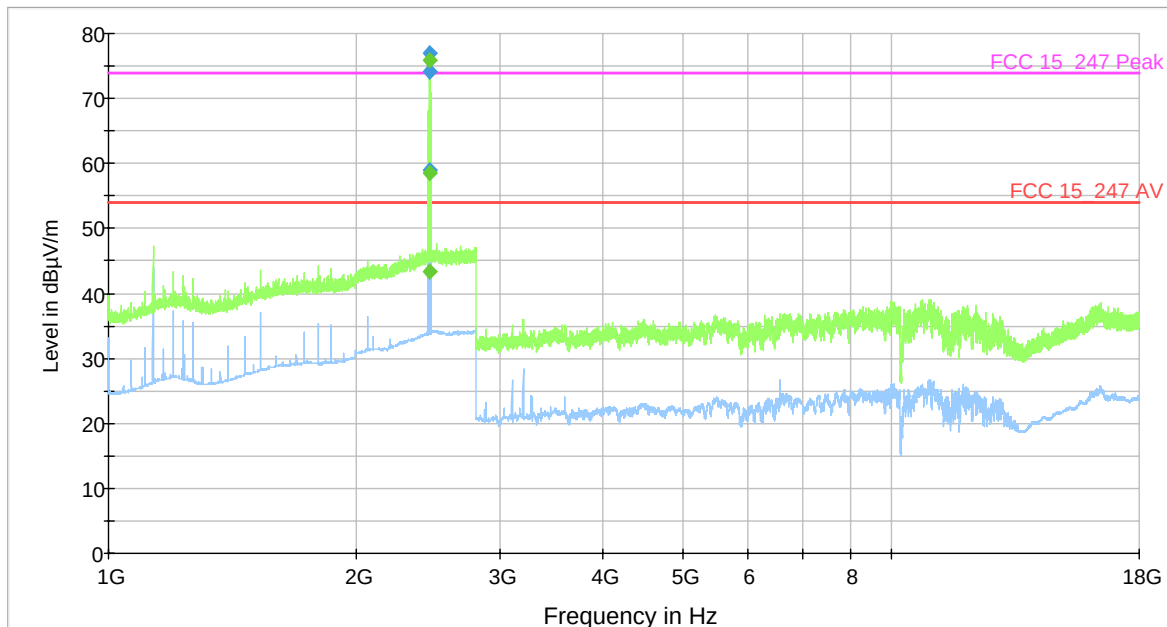
— FCC 15_247 AV.LimitLine
— FCC 15_247 Peak.LimitLine
— Preview Result 1
— Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2434.40000	61.4	77.2	77.2	250.0	H

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2434.40000	61.4	77.2	77.2	250.0	H

CH11

Electric Field Strength FCC



— FCC 15_247 AV.LimitLine — FCC 15_247 Peak.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 1 ◆ Final Measurement Result 2 ◆ Final Result 1 ◆ Final Result 1 +
◆ Final Result 2 ◆ Final Result 2 +

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2457.60000	59.1	74.2	74.2	250.0	H

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2461.60000	58.5	75.9	75.9	250.0	H

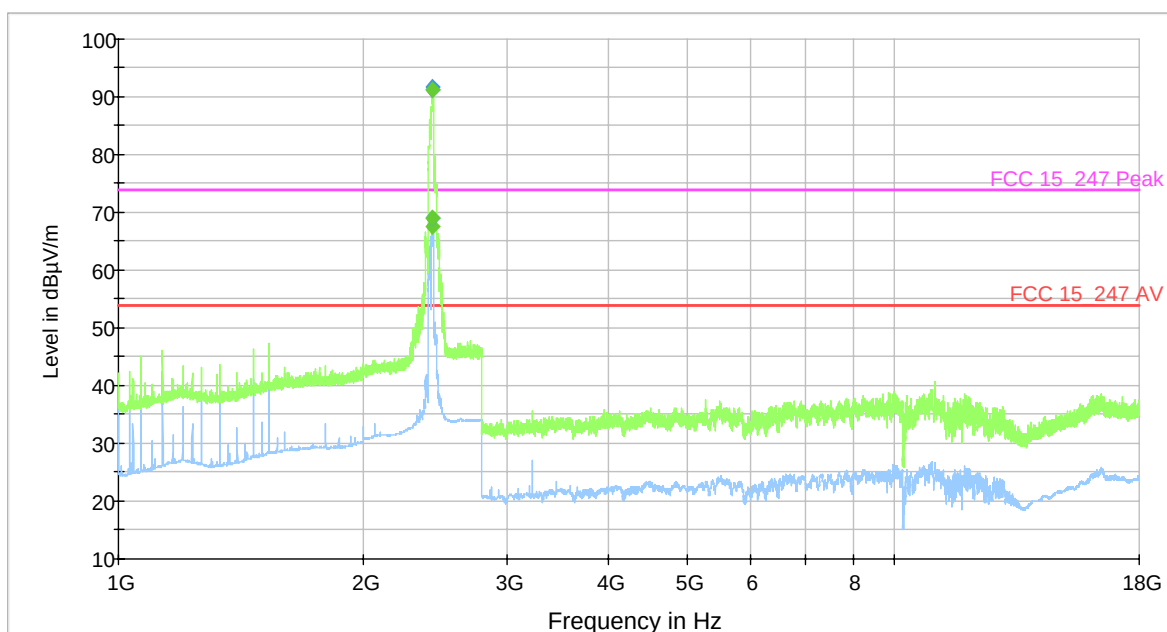
Protocol n (40MHz bandwidth)

CH1	2422MHz
CH4	2437MHz
CH7	2452MHz

Vertical polarization

CH1

Electric Field Strength FCC



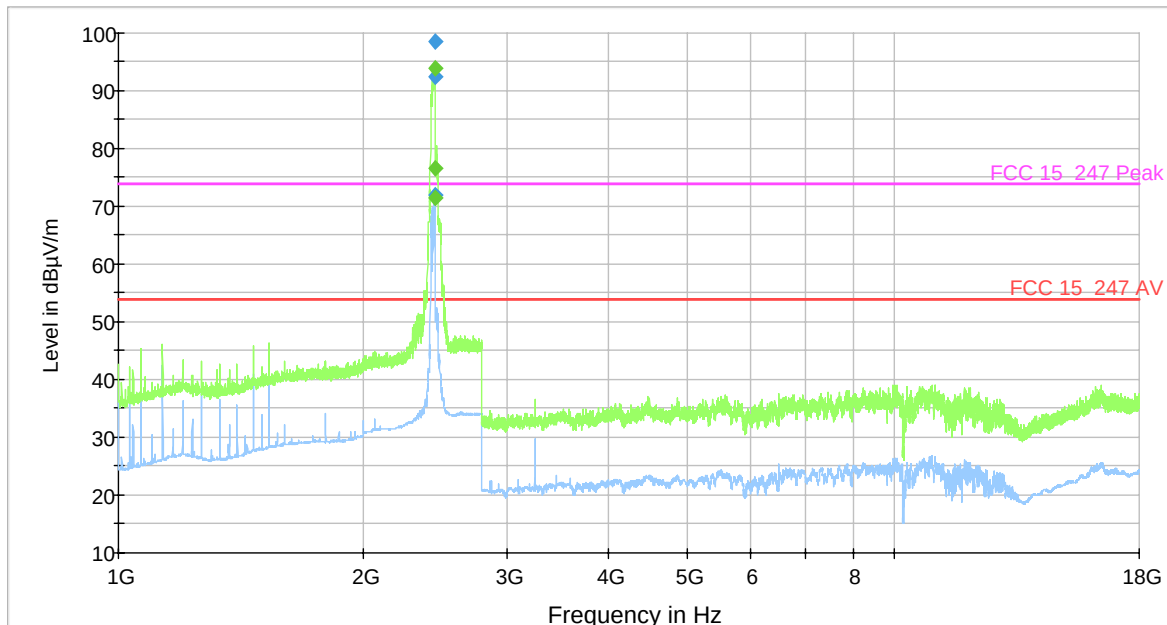
— FCC 15_247 AV.LimitLine — FCC 15_247 Peak.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 1 ◆ Final Measurement Result 2 ◆ Final Result 1 ◆ Final Result 1 +
◆ Final Result 2

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2437.20000	69.0	91.2	91.2	250.0	V

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2437.20000	69.0	91.2	91.2	250.0	V

CH4

Electric Field Strength FCC



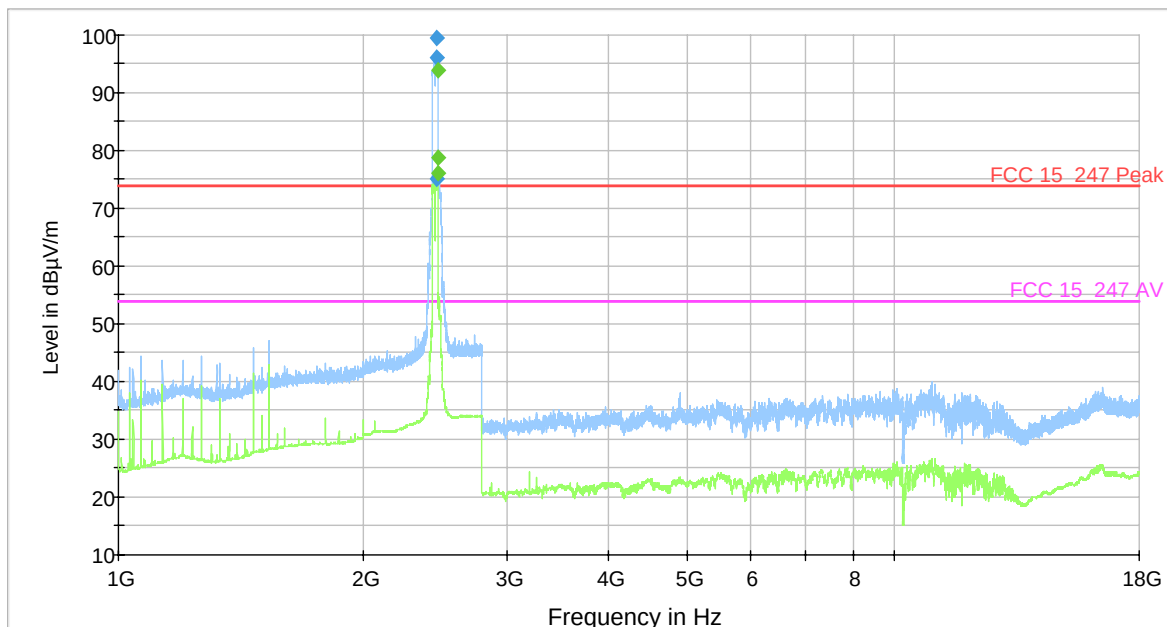
◆ FCC 15_247 AV.LimitLine
◆ FCC 15_247 Peak.LimitLine
◆ Preview Result 1
◆ Preview Result 2
◆ Final Measurement Result 1
◆ Final Measurement Result 2
◆ Final Result 1 +
◆ Final Result 2

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2448.40000	71.9	92.4	92.4	100.0	V

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2448.00000	71.5	93.9	93.9	100.0	V

CH7

Electric Field Strength FCC



— FCC 15_247 Peak.LimitLine — FCC 15_247 AV.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 1 ◆ Final Measurement Result 2 ◆ Final Result 1 ◆ Final Result 1 +
◆ Final Result 2 ◆ Final Result 2 +

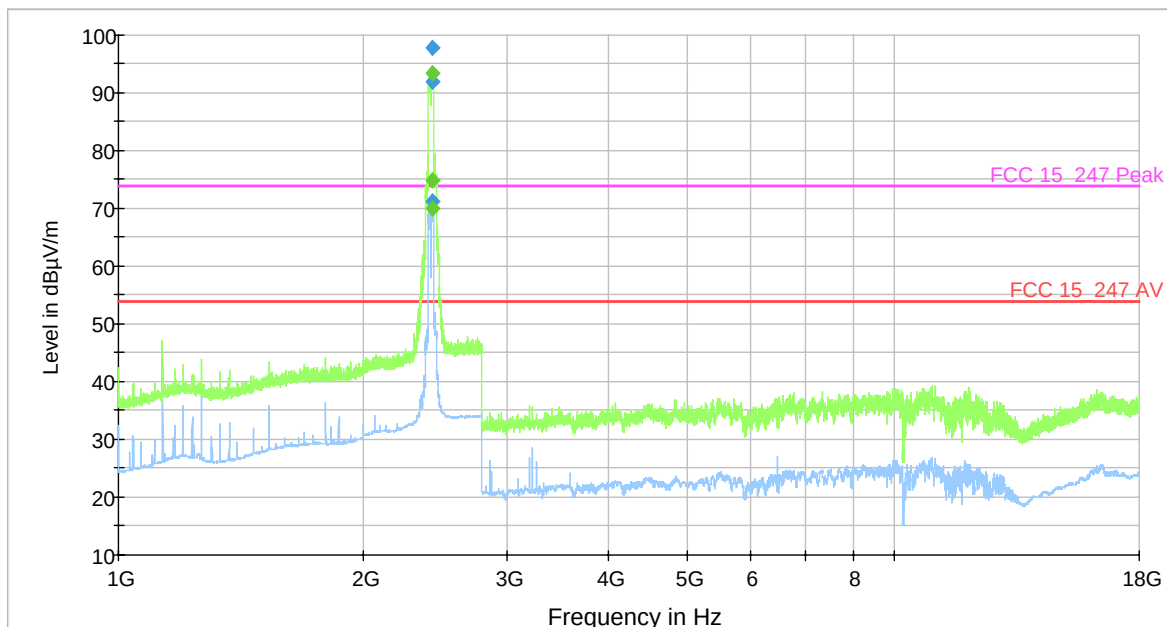
Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)	Average-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2457.20000	96.2	75.0	75.0	100.0	V

Frequency (MHz)	MaxPeak-MaxHold (dBµV/m)	Average-ClearWrite (dBµV/m)	Average-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2467.20000	93.9	76.2	76.2	100.0	V

Horizontal polarization

CH1

Electric Field Strength FCC



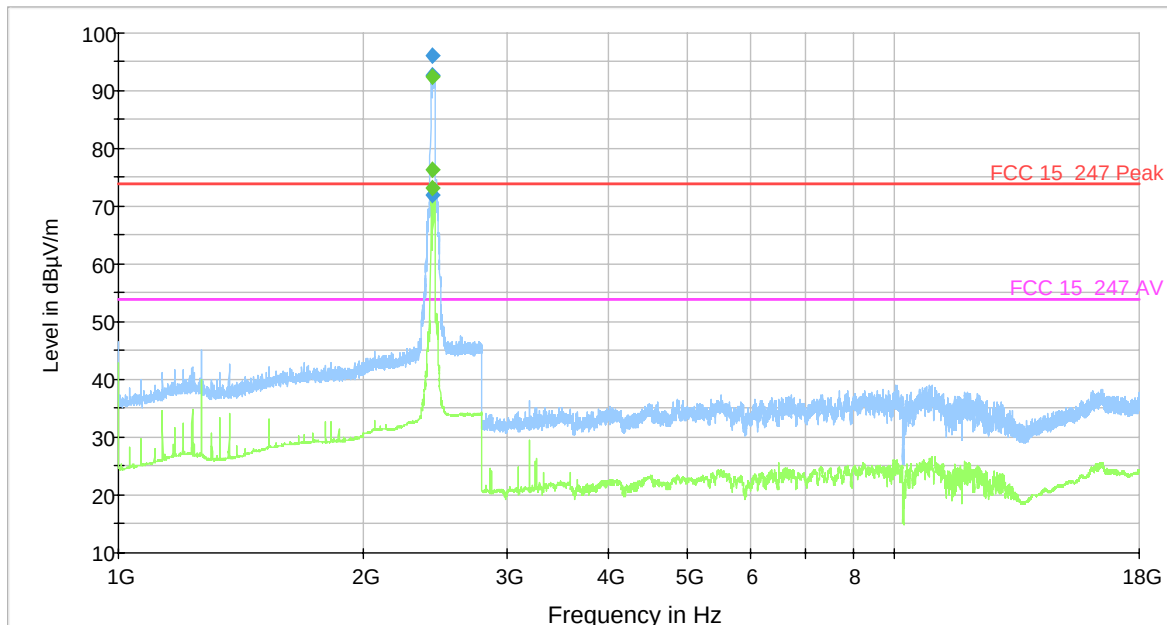
— FCC 15_247 AV.LimitLine
◆ Final Measurement Result 2
— FCC 15_247 Peak.LimitLine
◆ Final Measurement Result 1
— Preview Result 1
◆ Final Result 1
— Preview Result 2
◆ Final Result 1 +

Frequency (MHz)	Average-ClearWrite (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2433.20000	71.3	92.0	92.0	100.0	H

Frequency (MHz)	Average-MaxHold (dBµV/m)	MaxPeak-ClearWrite (dBµV/m)	MaxPeak-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2428.00000	70.1	93.4	93.4	100.0	H

CH4

Electric Field Strength FCC



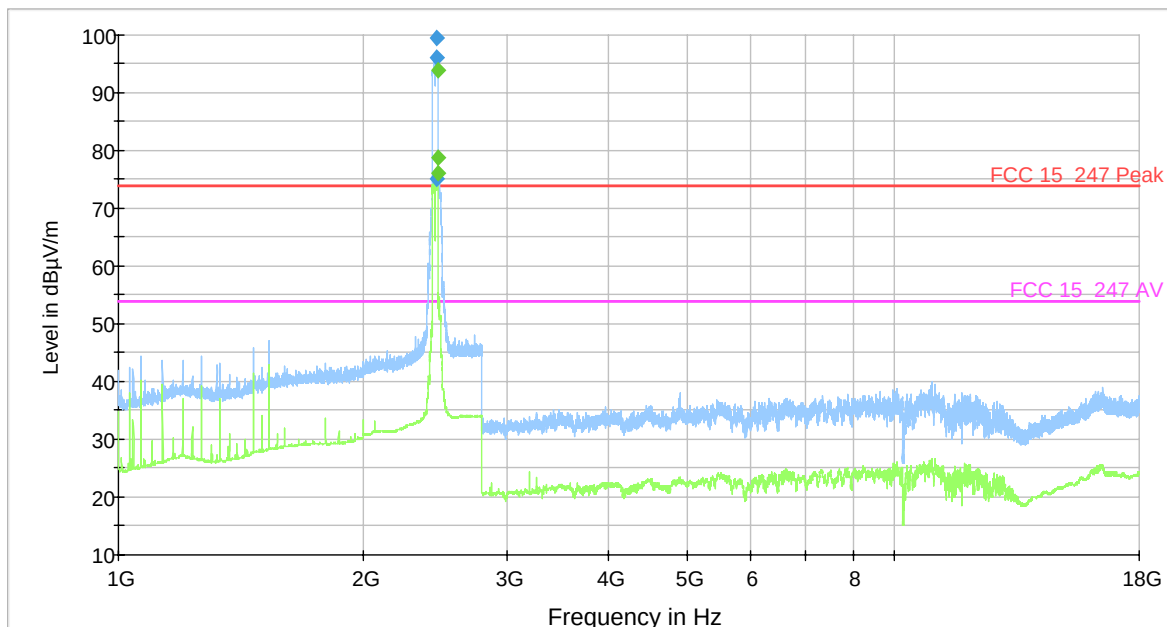
— FCC 15_247 Peak.LimitLine — FCC 15_247 AV.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 2 ◆ Final Measurement Result 1 ◆ Final Result 1 +
◆ Final Result 2

Frequency (MHz)	MaxPeak-ClearWrite (dBμV/m)	Average-ClearWrite (dBμV/m)	Average-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2432.80000	92.8	72.0	72.0	100.0	H

Frequency (MHz)	MaxPeak-MaxHold (dBμV/m)	Average-ClearWrite (dBμV/m)	Average-MaxHold (dBμV/m)	Antenna height (cm)	Polarity
2432.00000	92.5	73.1	73.1	100.0	H

CH7

Electric Field Strength FCC



— FCC 15_247 Peak.LimitLine — FCC 15_247 AV.LimitLine — Preview Result 1 — Preview Result 2
◆ Final Measurement Result 1 ◆ Final Measurement Result 2 ◆ Final Result 1 ◆ Final Result 1 +
◆ Final Result 2 ◆ Final Result 2 +

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)	Average-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2457.20000	96.2	75.0	75.0	100.0	V

Frequency (MHz)	MaxPeak-MaxHold (dBµV/m)	Average-ClearWrite (dBµV/m)	Average-MaxHold (dBµV/m)	Antenna height (cm)	Polarity
2467.20000	93.9	76.2	76.2	100.0	V

6. EUT TECHNICAL DOCUMENTATION

6.1 Wiring diagrams

	<i>Document reference (n., edition, date, ...)</i>
WIRING DIAGRAM	*****
PART LIST	*****

6.2 Technical manual

	<i>Document reference (n., edition, date, ...)</i>
Operating Manual	*****

6.3 Photographic documentation

PHOTO 1 – E.U.T. IDENTIFICATION



PHOTO 2 – SET-UP FOR EMISSION RADIATED TEST

