TESTING LABORATORY
CERTIFICATE#4323.01

FCC PART 15.231

TEST REPORT

For

olibra llc

45 legion dr, CRESSKILL, New Jersey, 07626, United States

FCC ID: 2AME8BD1K

Report Type:	Product Type:
Original Report	Bond Bridge Pro

Project Engineer:	CK Huang
Report Number:	RSHD201021003-00B
Report Date:	2021-01-11
Reviewed By:	Oscar Ye EMC Manager
Prepared By:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu province, China Tel: +86-0512-86175000 Fax: +86-0512-88934268 www.baclcorp.com.cn

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	olibra llc
Tested Model	BD-1750-PRO
Product Type	Bond Bridge Pro
Power Supply	DC 5V from adapter and DC 48V from PoE
RF Function	SRD
Operating Band/Frequency	285.5-321.5MHz 336-364.99MHz 365-399.5MHz 410.5-505.5MHz
Modulation Type	OOK, GFSK
Antenna Type	Chip Antenna
*Maximum Antenna Gain	7.0 dBi

Adapter information:
Model: DSA-5PF07-05 FUS 050100
Input: AC 100-240V, 50/60Hz, 0.2A
Output: DC 5V, 1A

Note: The Maximum Antenna Gain was provided by manufacturer.*

**All measurement and test data in this report was gathered from production sample serial number: RSHD201021003-2. (Assigned by the BACL. The EUT supplied by the applicant was received on 2020-10-21)*

Objective

This test report is prepared on behalf of *olibra llc.* All the test measurements were performed according to the measurement procedure described in ANSI C63.10 - 2013.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.207, 15.209, 15.35(c) and 15.231 rules.

Related Submittal(s)/Grant(s)

No related submittal(s)/grant(s)

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10 - 2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9dB
Radiated emission	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz ~18GHz	5.23dB
Occupied Bandwidth		0.5kHz
Temperature		1.0℃
Humidity		6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) Lab is accredited to ISO/IEC 17025 by A2LA (Lab code: 4323.01) and the FCC designation No. CN1185 under the FCC KDB 974614 D01 and CAB identifier CN0004 under the ISED requirement. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

SYSTEM TEST CONFIGURATION

Justification

Channel List:

For 300MHz Band:
The frequencies is F(MHz)=285.5+0.0001*n (0<=n<=360000). The lowest, middle, highest channel numbers of the EUT used and tested in this report are below.

Channel	Frequency (MHz)
Low	285.5
Middle	303.5
High	321.5

For 350MHz Band:
The frequencies is F(MHz)=336+0.0001*n (0<=n<=289900). The lowest, middle, highest channel numbers of the EUT used and tested in this report are below.

Channel	Frequency (MHz)
Low	336.00
Middle	350.50
High	364.99

For 375MHz Band:
The frequencies is F(MHz)=365+0.0001*n (0<=n<=345000). The lowest, middle, highest channel numbers of the EUT used and tested in this report are below.

Channel	Frequency (MHz)
Low	365.0
Middle	380.0
High	399.5

For 434MHz Band:
The frequencies is F(MHz)=410.5+0.0001*n (0<=n<=950000). The lowest, middle, highest channel numbers of the EUT used and tested in this report are below.

Channel	Frequency (MHz)
Low	410.5
Middle	458.0
High	505.5

EUT Exercise Software

RF test tool: SecureCRT
(The software was used to control the channel switching.)

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
DELL	Notebook	GX620	D65874152
RUCKUS	PoE	NPE-5818	740-64157-001
RUCKUS	Adapter 1	PA1024-4HUB	740-64125-010

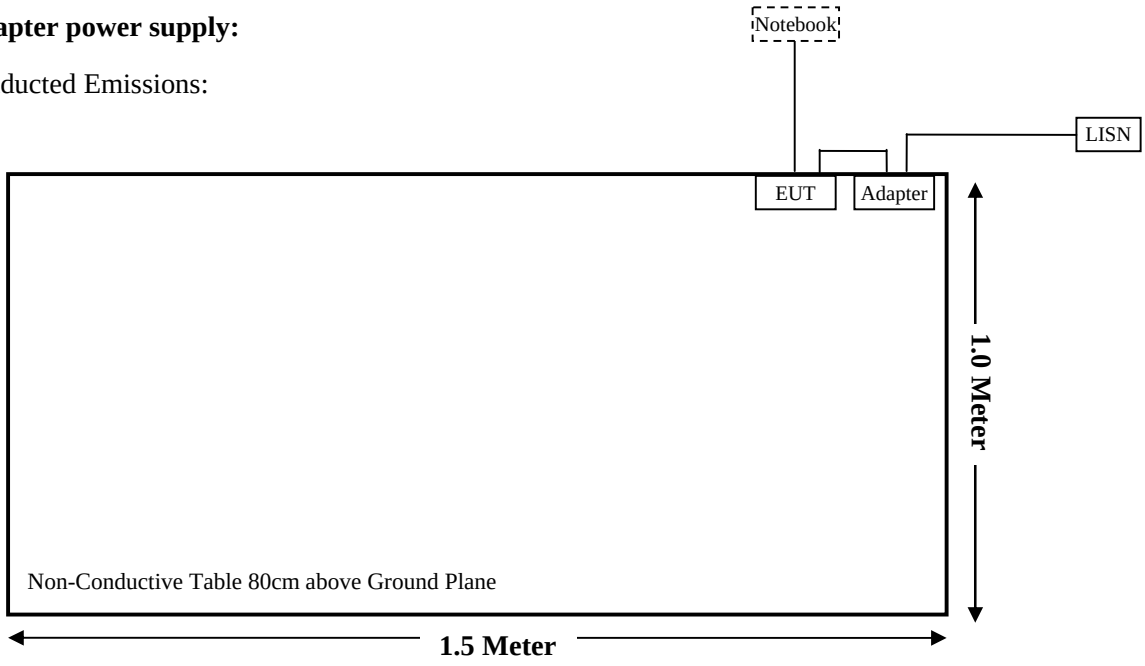
External I/O Cable

Cable Description	Length (m)	From Port	To
Power Cable-1	1.5	EUT	Adapter
RJ45 Cable-1	5.0	EUT	Notebook
Power Cable-2	1.5	PoE	Adapter 1
RJ45 Cable-2	0.8	EUT	PoE
RJ45 Cable-3	5.0	PoE	Notebook
USB Cable	5.0	EUT	Notebook

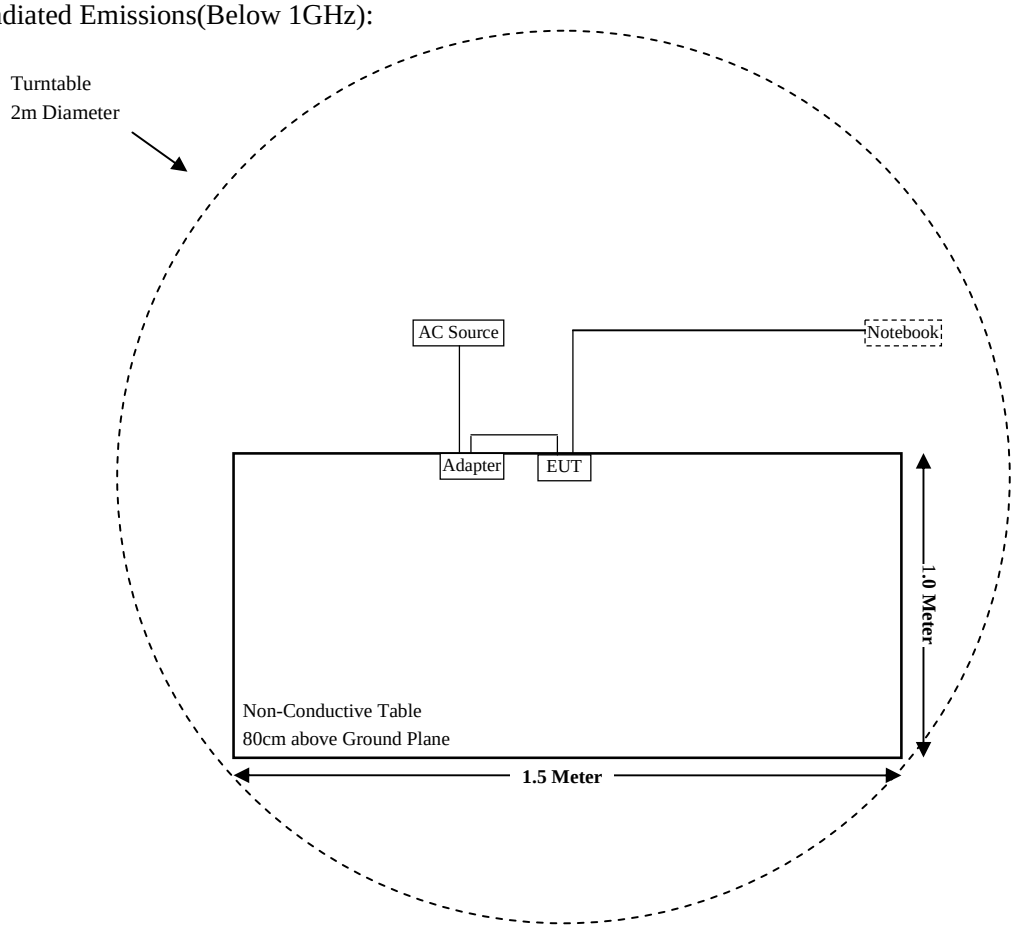
Block Diagram of Test Setup

For Adapter power supply:

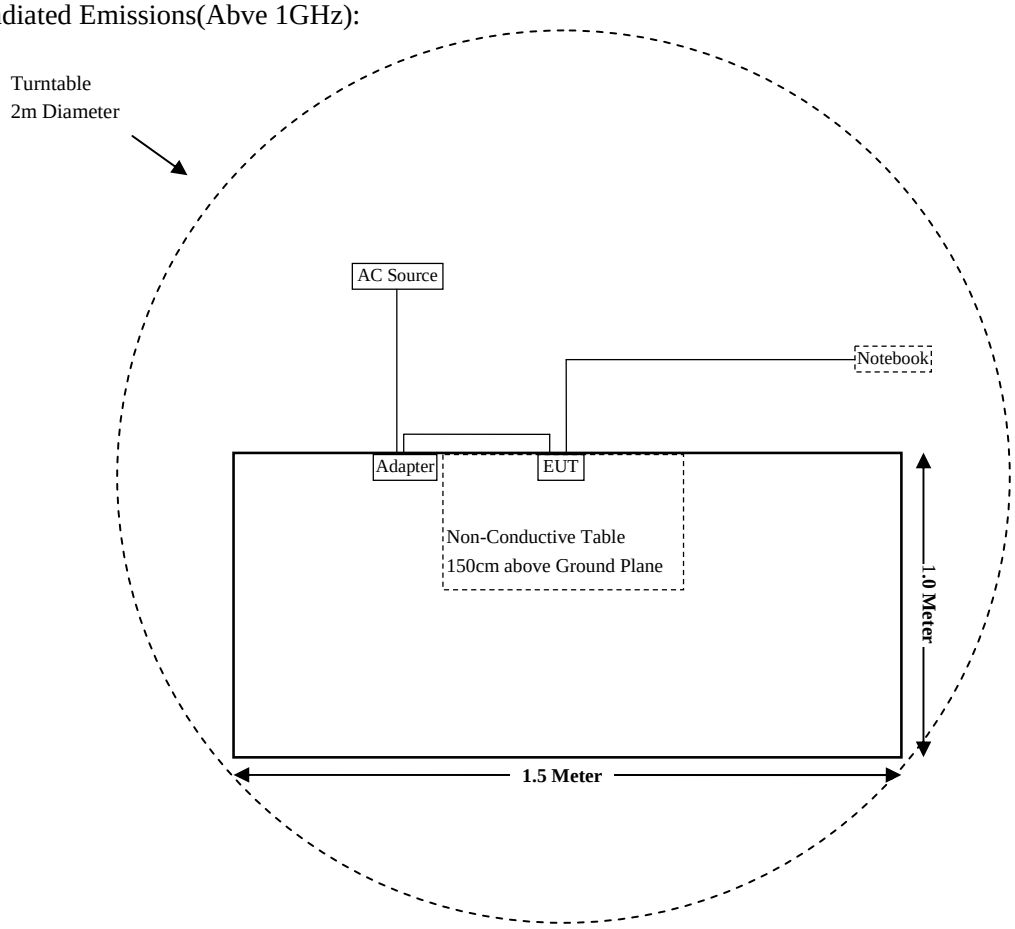
For Conducted Emissions:



For Radiated Emissions(Below 1GHz):

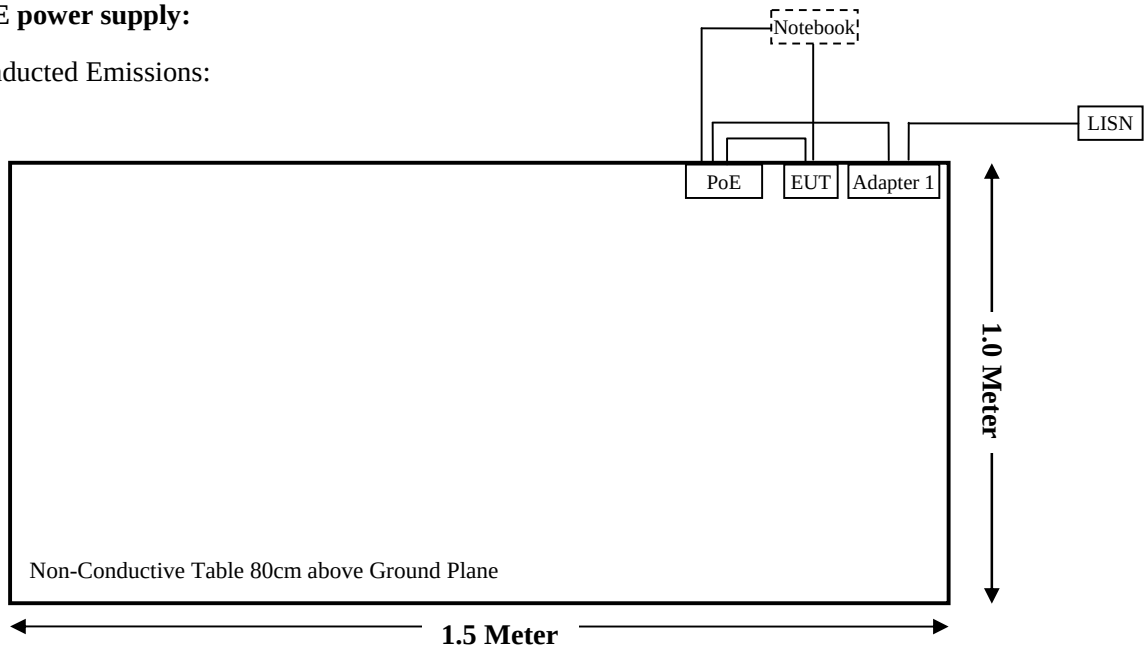


For Radiated Emissions(Abve 1GHz):



For PoE power supply:

For Conducted Emissions:



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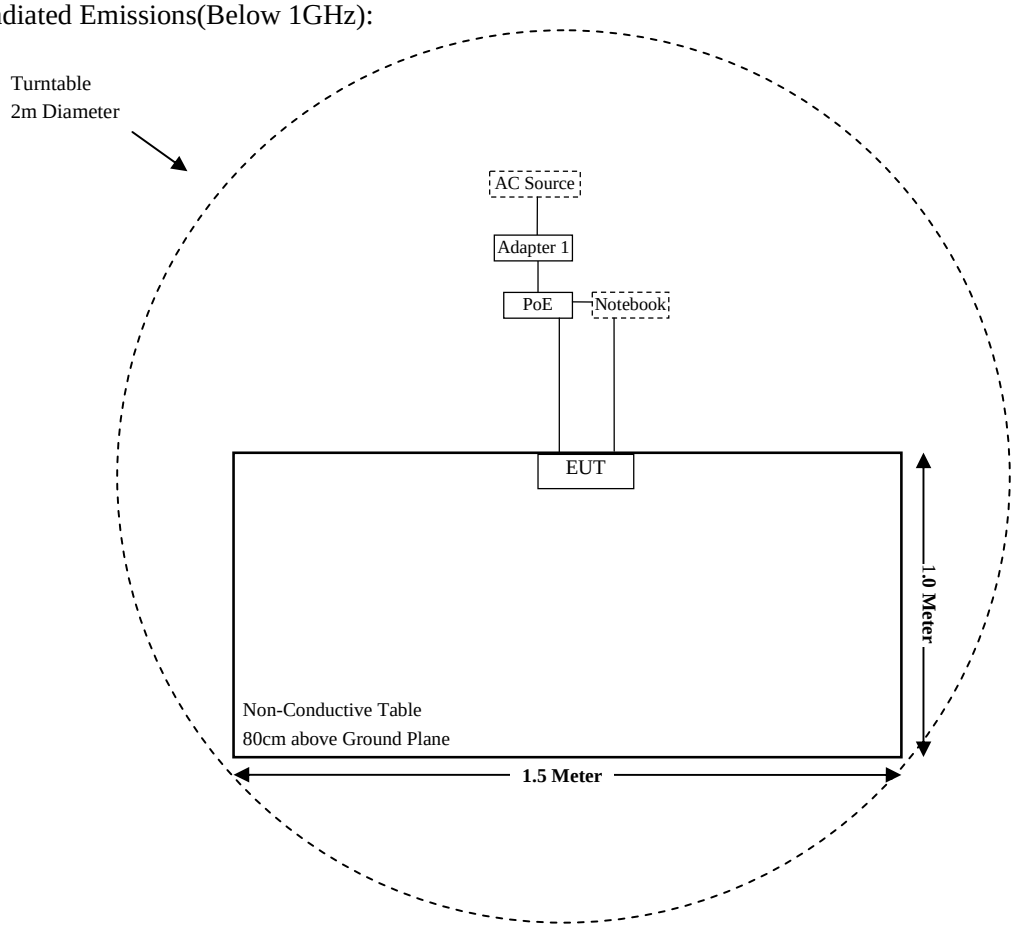
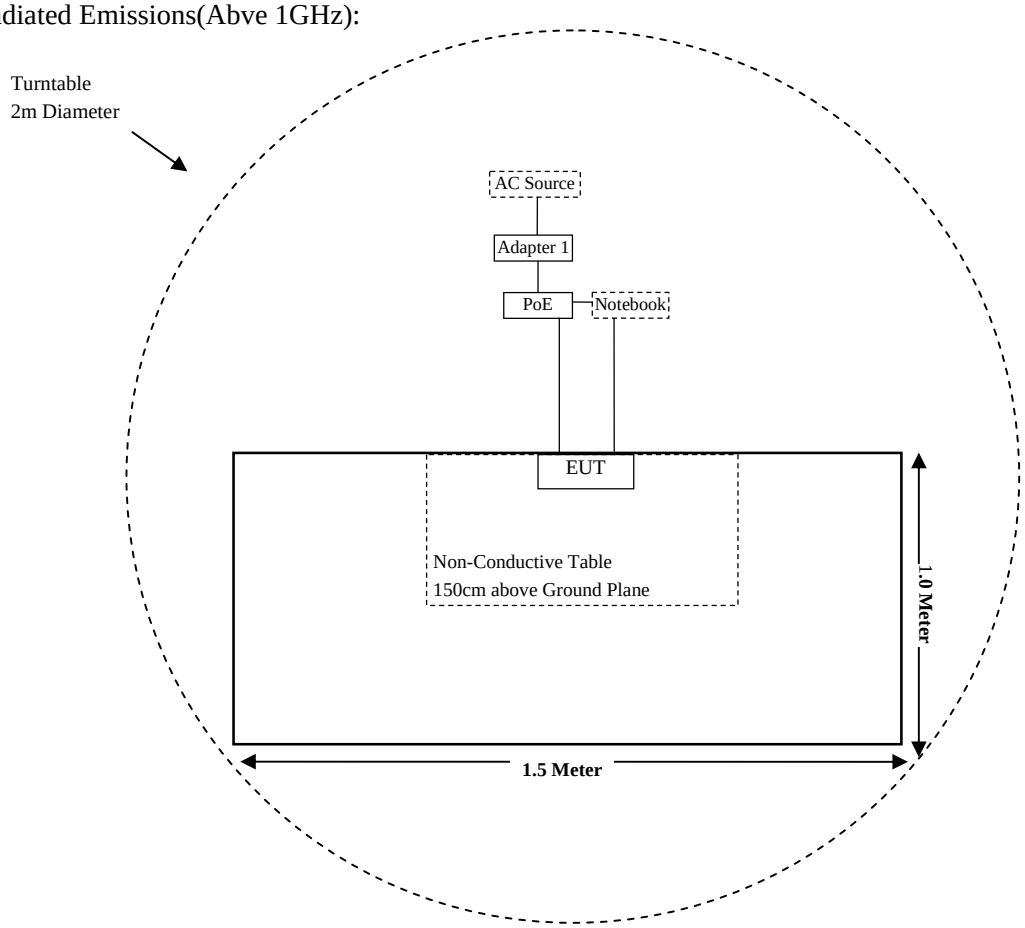


For Radiated Emissions(Abve 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207(a)	Conducted Emissions	Compliant
§15.205, §15.209, §15.231(b)	Radiated Emissions	Compliant
§15.231 (a) (2)	Deactivation	Compliant
§15.231 (c)	20dB Emission Bandwidth	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test（Chamber 1#）					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2020-11-27	2021-11-26
Sunol Sciences	Hybrid Antenna	JB3	A090314-1	2020-08-05	2023-08-04
Sonoma Instrunent	Pre-amplifier	310N	171205	2020-08-14	2021-08-13
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-8	008	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-9	009	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-10	010	2020-08-15	2021-08-14
Radiated Emission Test（Chamber 2#）					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2020-04-01	2021-03-31
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2020-07-28	2021-07-27
ETS	Horn Antenna	3115	9311-4159	2020-07-15	2023-07-14
A.H. Systems,inc.	Amplifier	PAM-0118P	512	2020-08-14	2021-08-13
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-4	004	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-5	005	2020-08-15	2021-08-14
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	1316.3003K03-101746-zn	2020-07-28	2021-07-27
Rohde & Schwarz	LISN	ENV216	101115	2020-11-27	2021-11-26
Audix	Test Software	e3	V9	/	/
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2020-08-10	2021-08-09
MICRO-COAX	Coaxial Cable	Cable-15	015	2020-08-15	2021-08-14

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§15.203 - ANTENNA REQUIREMENT

Applicable Standard

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.

Antenna Connected Construction

The EUT has four identical chip antennas which were permanently attached and each antenna gain is 7dBi; fulfill the requirement of this section. Please refer to EUT photos.

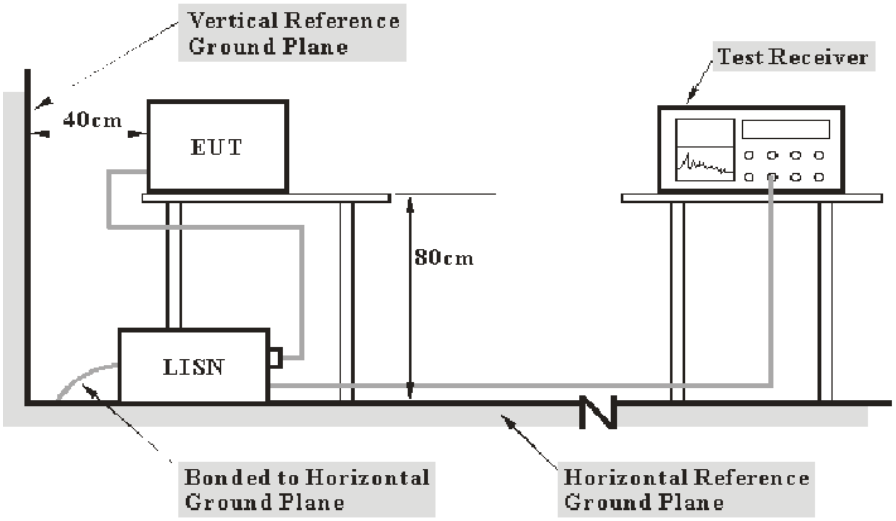
Result: Compliant.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

ANSI C63.10-2013 clause 6.2

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor & Over Limit Calculation

The Factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

Over Limit (dB) = Read level (dBµV) + Factor (dB) - Limit (dBµV)

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data

Environmental Conditions

Temperature:	21.2 ℃
Relative Humidity:	51 %
ATM Pressure:	101.3 kPa

The testing was performed by CK Huang on 2020-12-16.

Test Result: Compliant.

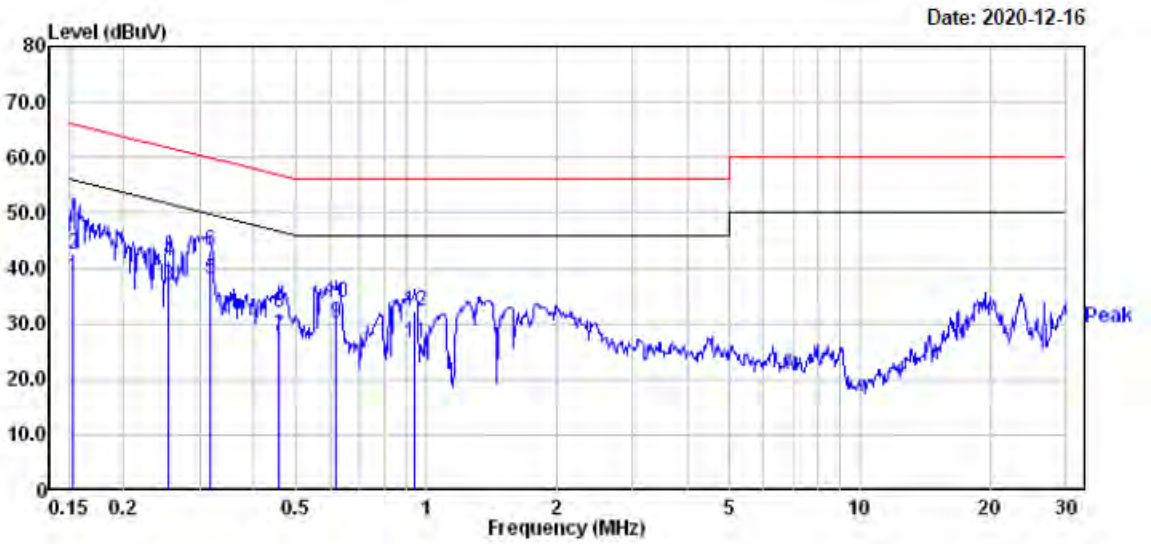
For Adapter power supply:

For 300MHz Band:

EUT operation mode: Transmitting in low channel of ANT 2(worst case)

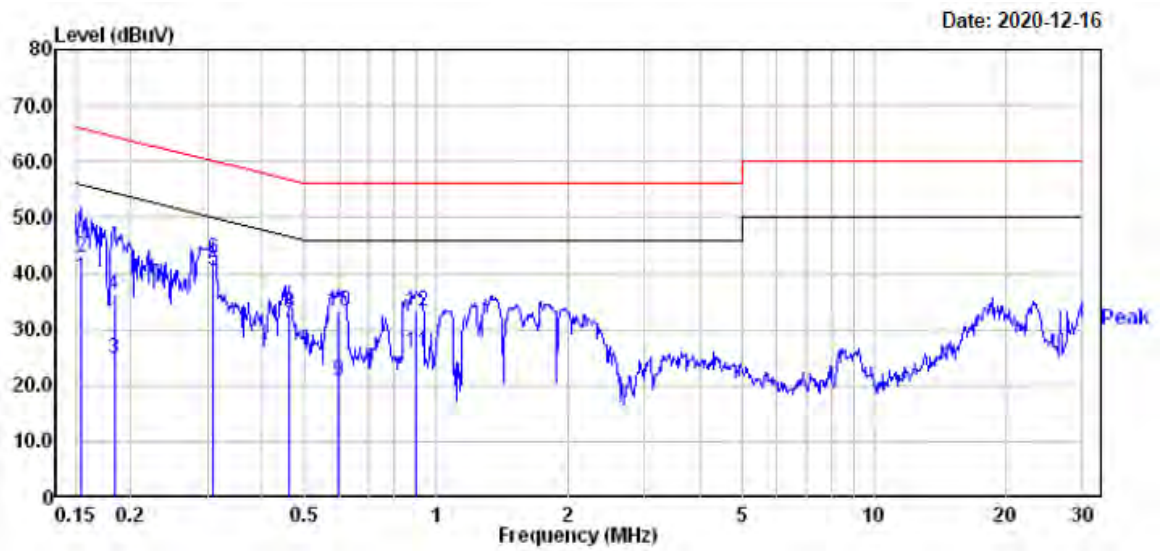
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	18.60	19.82	38.42	55.82	-17.40	Average
2	0.153	22.70	19.82	42.52	65.82	-23.30	QP
3	0.255	17.00	19.82	36.82	51.60	-14.78	Average
4	0.255	21.40	19.82	41.22	61.60	-20.38	QP
5	0.317	18.20	19.82	38.02	49.79	-11.77	Average
6	0.317	23.50	19.82	43.32	59.79	-16.47	QP
7	0.456	7.90	19.75	27.65	46.76	-19.11	Average
8	0.456	12.40	19.75	32.15	56.76	-24.61	QP
9	0.621	10.40	19.75	30.15	46.00	-15.85	Average
10	0.621	14.20	19.75	33.95	56.00	-22.05	QP
11	0.943	6.70	19.77	26.47	46.00	-19.53	Average
12	0.943	12.40	19.77	32.17	56.00	-23.83	QP

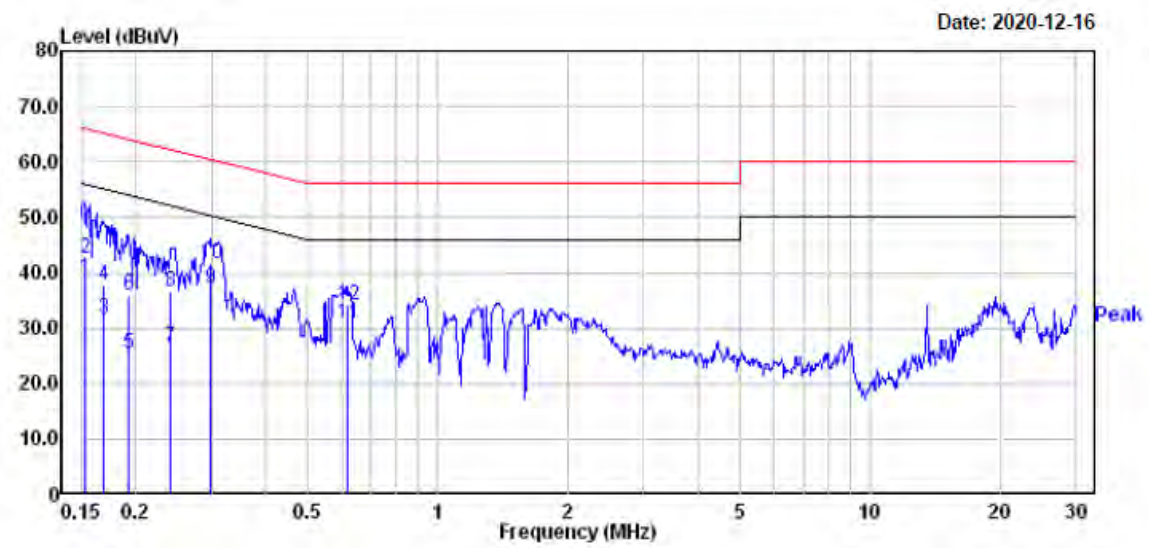
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.154	19.40	19.82	39.22	55.78	-16.56	Average
2	0.154	22.90	19.82	42.72	65.78	-23.06	QP
3	0.183	4.80	19.83	24.63	54.33	-29.70	Average
4	0.183	16.50	19.83	36.33	64.33	-28.00	QP
5	0.308	20.59	19.83	40.42	50.02	-9.60	Average
6	0.308	22.79	19.83	42.62	60.02	-17.40	QP
7	0.461	11.20	19.75	30.95	46.67	-15.72	Average
8	0.461	13.20	19.75	32.95	56.67	-23.72	QP
9	0.595	1.20	19.75	20.95	46.00	-25.05	Average
10	0.595	13.50	19.75	33.25	56.00	-22.75	QP
11	0.899	6.30	19.73	26.03	46.00	-19.97	Average
12	0.899	13.50	19.73	33.23	56.00	-22.77	QP

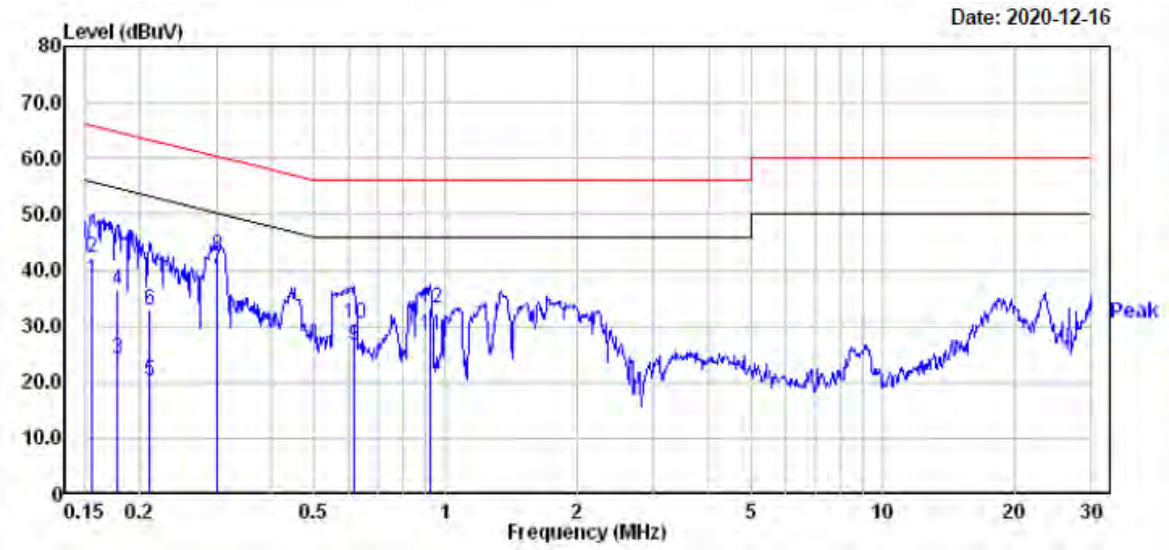
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	19.00	19.82	38.82	55.87	-17.05	Average
2	0.152	22.70	19.82	42.52	65.87	-23.35	QP
3	0.169	11.80	19.83	31.63	55.03	-23.40	Average
4	0.169	17.80	19.83	37.63	65.03	-27.40	QP
5	0.192	5.60	19.82	25.42	53.93	-28.51	Average
6	0.192	16.00	19.82	35.82	63.93	-28.11	QP
7	0.242	6.80	19.82	26.62	52.04	-25.42	Average
8	0.242	16.60	19.82	36.42	62.04	-25.62	QP
9	0.297	17.30	19.83	37.13	50.32	-13.19	Average
10	0.297	21.90	19.83	41.73	60.32	-18.59	QP
11	0.621	11.10	19.75	30.85	46.00	-15.15	Average
12	0.621	14.30	19.75	34.05	56.00	-21.95	QP

AC 120V/60 Hz, Neutral



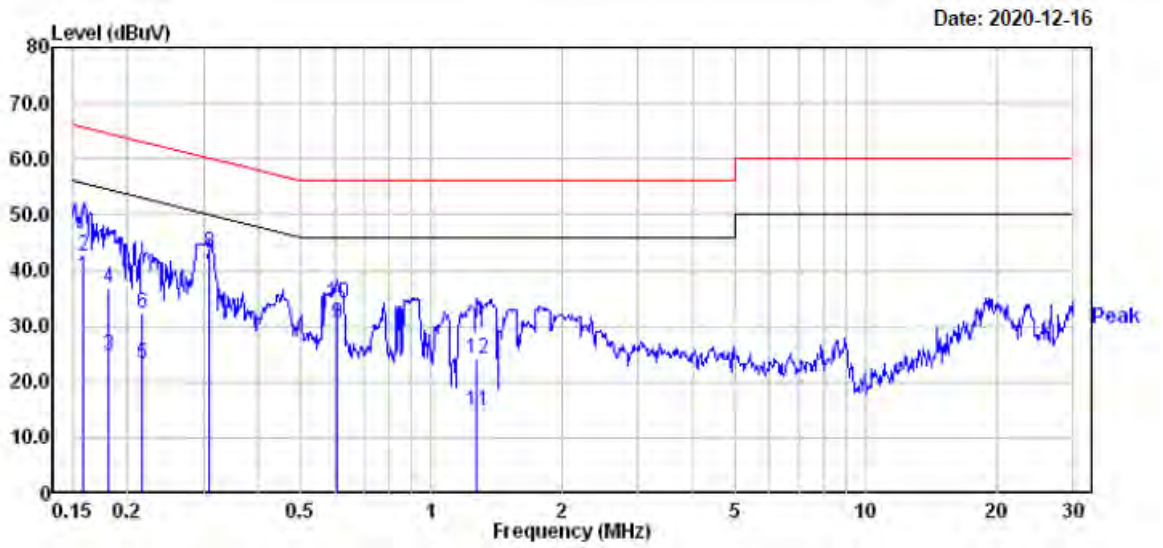
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.156	18.40	19.82	38.22	55.69	-17.47	Average
2	0.156	22.50	19.82	42.32	65.69	-23.37	QP
3	0.178	4.40	19.83	24.23	54.59	-30.36	Average
4	0.178	16.60	19.83	36.43	64.59	-28.16	QP
5	0.211	0.30	19.82	20.12	53.18	-33.06	Average
6	0.211	13.10	19.82	32.92	63.18	-30.26	QP
7	0.302	20.39	19.83	40.22	50.19	-9.97	Average
8	0.302	22.59	19.83	42.42	60.19	-17.77	QP
9	0.617	6.70	19.75	26.45	46.00	-19.55	Average
10	0.617	10.70	19.75	30.45	56.00	-25.55	QP
11	0.923	8.50	19.75	28.25	46.00	-17.75	Average
12	0.923	13.50	19.75	33.25	56.00	-22.75	QP

For 350MHz Band:

EUT operation mode: Transmitting in high channel of ANT 1(worst case)

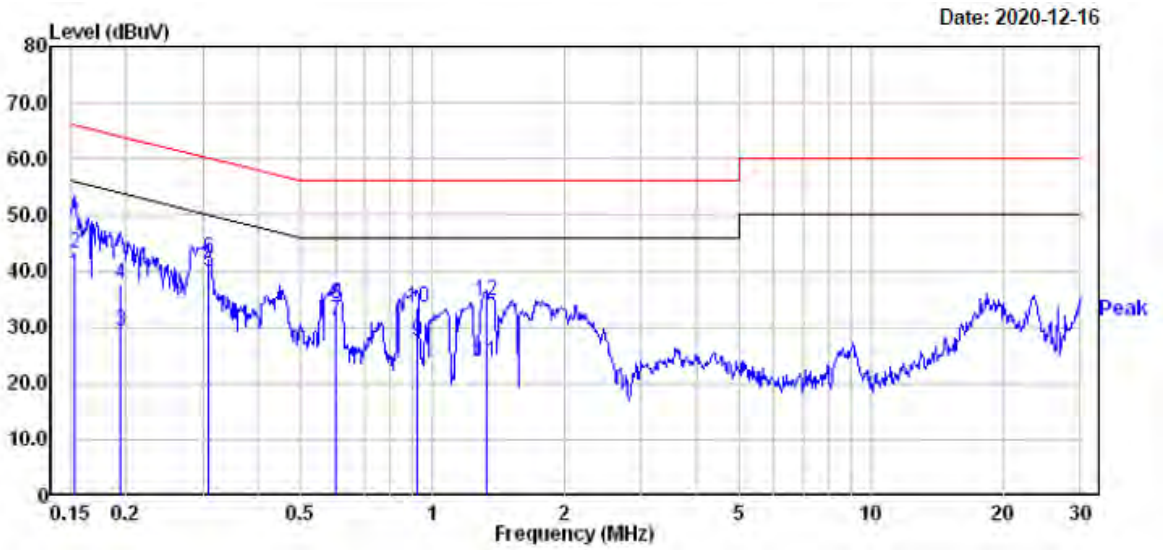
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.159	19.00	19.82	38.82	55.52	-16.70	Average
2	0.159	22.70	19.82	42.52	65.52	-23.00	QP
3	0.181	4.80	19.83	24.63	54.46	-29.83	Average
4	0.181	16.90	19.83	36.73	64.46	-27.73	QP
5	0.216	3.30	19.82	23.12	52.96	-29.84	Average
6	0.216	12.60	19.82	32.42	62.96	-30.54	QP
7	0.308	21.09	19.83	40.92	50.02	-9.10	Average
8	0.308	23.19	19.83	43.02	60.02	-17.00	QP
9	0.608	10.60	19.75	30.35	46.00	-15.65	Average
10	0.608	14.30	19.75	34.05	56.00	-21.95	QP
11	1.276	-4.90	19.82	14.92	46.00	-31.08	Average
12	1.276	4.30	19.82	24.12	56.00	-31.88	QP

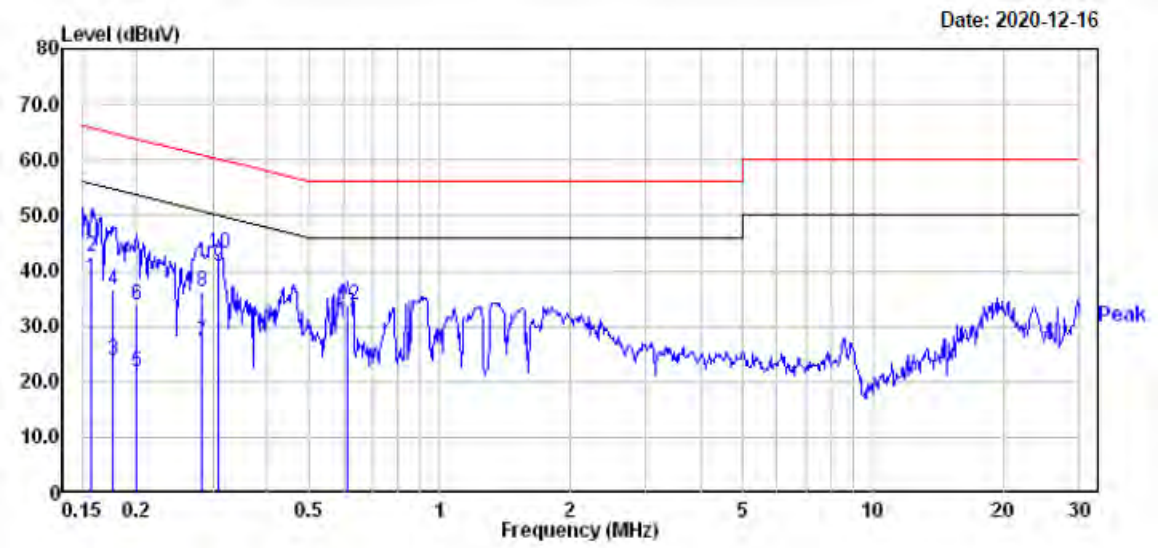
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	19.80	19.82	39.62	55.87	-16.25	Average
2	0.152	23.30	19.82	43.12	65.87	-22.75	QP
3	0.194	9.60	19.82	29.42	53.84	-24.42	Average
4	0.194	17.90	19.82	37.72	63.84	-26.12	QP
5	0.308	20.09	19.83	39.92	50.02	-10.10	Average
6	0.308	22.49	19.83	42.32	60.02	-17.70	QP
7	0.604	11.30	19.75	31.05	46.00	-14.95	Average
8	0.604	14.40	19.75	34.15	56.00	-21.85	QP
9	0.923	7.70	19.75	27.45	46.00	-18.55	Average
10	0.923	13.70	19.75	33.45	56.00	-22.55	QP
11	1.324	4.11	19.82	23.93	46.00	-22.07	Average
12	1.324	14.91	19.82	34.73	56.00	-21.27	QP

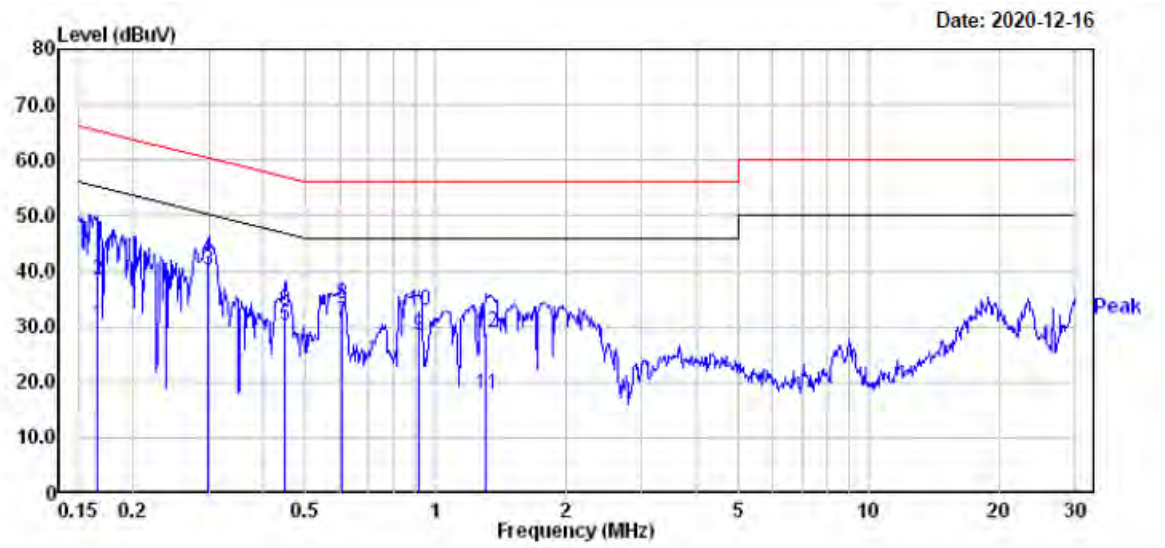
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.156	18.80	19.82	38.62	55.65	-17.03	Average
2	0.156	22.60	19.82	42.42	65.65	-23.23	QP
3	0.177	4.10	19.83	23.93	54.64	-30.71	Average
4	0.177	16.70	19.83	36.53	64.64	-28.11	QP
5	0.200	2.00	19.82	21.82	53.62	-31.80	Average
6	0.200	14.00	19.82	33.82	63.62	-29.80	QP
7	0.282	7.40	19.82	27.22	50.76	-23.54	Average
8	0.282	16.30	19.82	36.12	60.76	-24.64	QP
9	0.310	20.89	19.83	40.72	49.97	-9.25	Average
10	0.310	23.19	19.83	43.02	59.97	-16.95	QP
11	0.614	10.90	19.75	30.65	46.00	-15.35	Average
12	0.614	14.20	19.75	33.95	56.00	-22.05	QP

AC 120V/60 Hz, Neutral



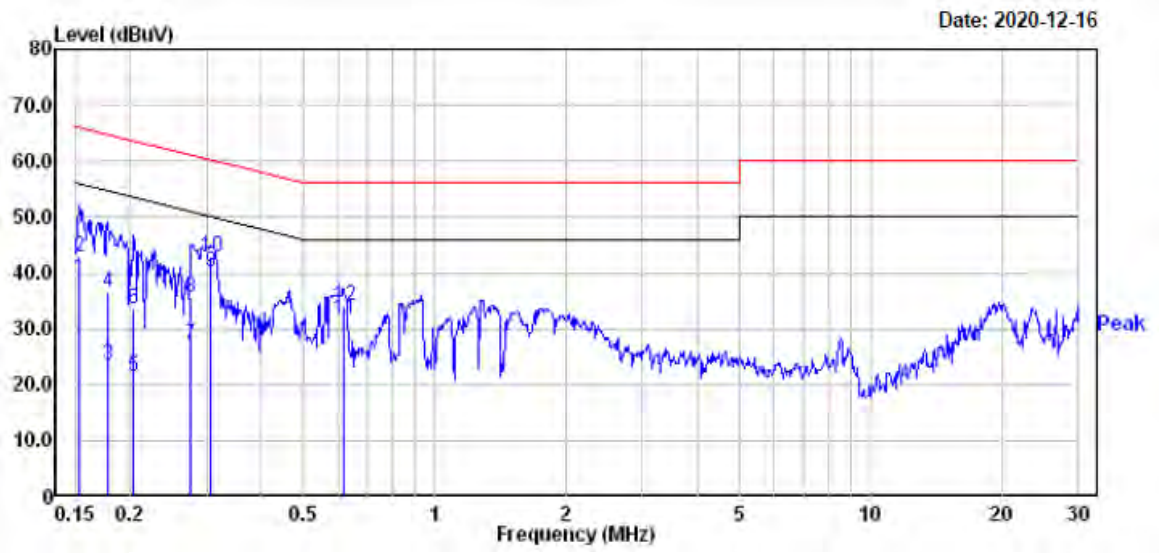
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.165	10.50	19.83	30.33	55.21	-24.88	Average
2	0.165	18.60	19.83	38.43	65.21	-26.78	QP
3	0.299	20.30	19.83	40.13	50.28	-10.15	Average
4	0.299	22.70	19.83	42.53	60.28	-17.75	QP
5	0.449	10.50	19.75	30.25	46.89	-16.64	Average
6	0.449	13.20	19.75	32.95	56.89	-23.94	QP
7	0.608	11.00	19.75	30.75	46.00	-15.25	Average
8	0.608	14.30	19.75	34.05	56.00	-21.95	QP
9	0.918	8.49	19.75	28.24	46.00	-17.76	Average
10	0.918	13.09	19.75	32.84	56.00	-23.16	QP
11	1.310	-2.00	19.82	17.82	46.00	-28.18	Average
12	1.310	9.10	19.82	28.92	56.00	-27.08	QP

For 375MHz Band:

EUT operation mode: Transmitting in high channel of ANT 3(worst case)

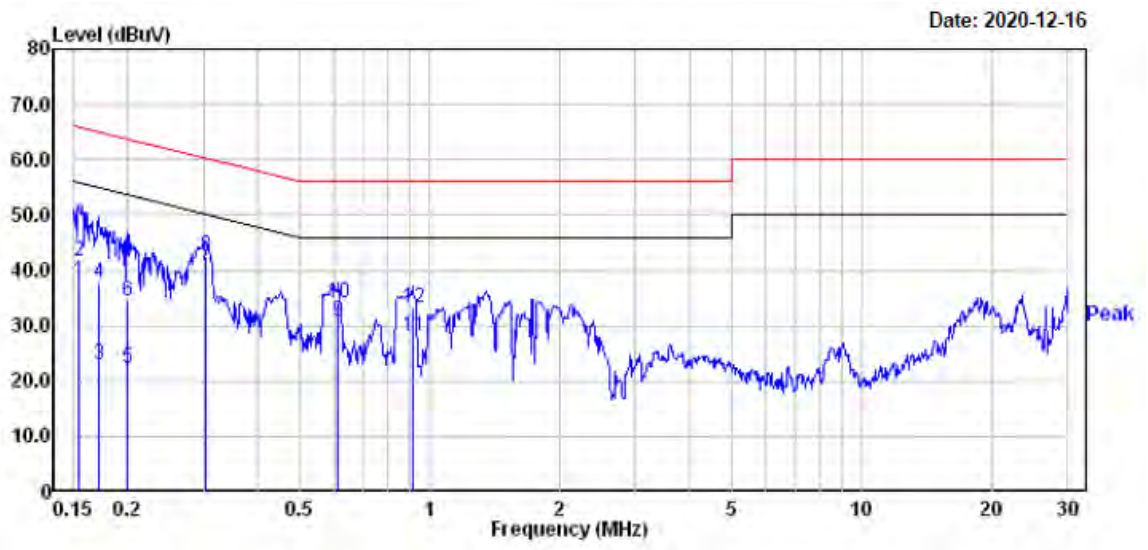
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	19.20	19.82	39.02	55.87	-16.85	Average
2	0.152	23.10	19.82	42.92	65.87	-22.95	QP
3	0.178	3.80	19.83	23.63	54.59	-30.96	Average
4	0.178	16.70	19.83	36.53	64.59	-28.06	QP
5	0.204	1.60	19.82	21.42	53.45	-32.03	Average
6	0.204	13.70	19.82	33.52	63.45	-29.93	QP
7	0.276	7.50	19.82	27.32	50.94	-23.62	Average
8	0.276	15.90	19.82	35.72	60.94	-25.22	QP
9	0.305	20.19	19.83	40.02	50.10	-10.08	Average
10	0.305	22.99	19.83	42.82	60.10	-17.28	QP
11	0.617	12.00	19.75	31.75	46.00	-14.25	Average
12	0.617	14.30	19.75	34.05	56.00	-21.95	QP

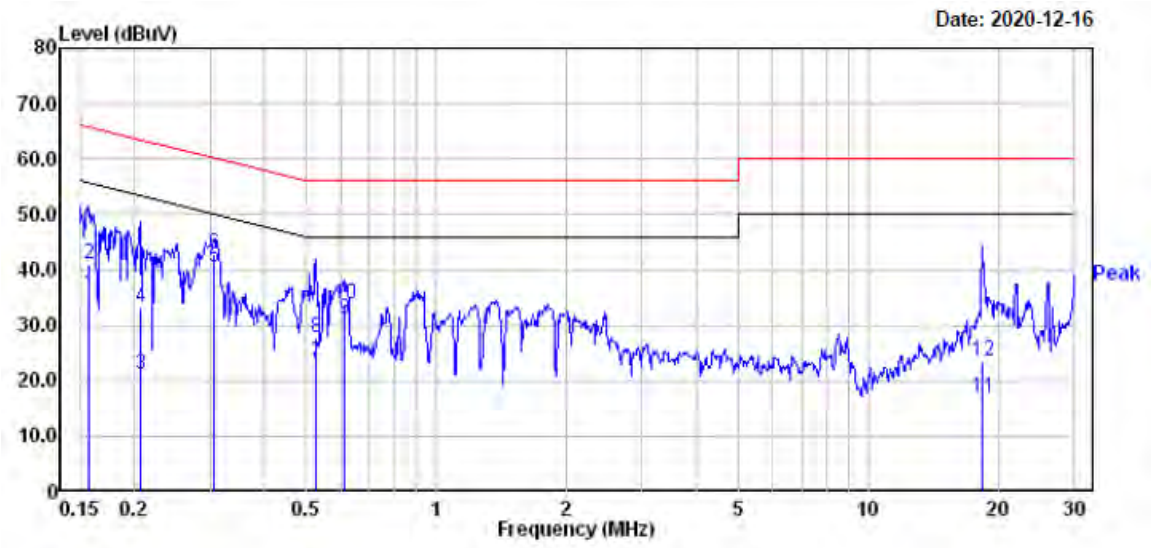
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	18.10	19.82	37.92	55.74	-17.82	Average
2	0.155	21.90	19.82	41.72	65.74	-24.02	QP
3	0.171	3.20	19.83	23.03	54.90	-31.87	Average
4	0.171	17.90	19.83	37.73	64.90	-27.17	QP
5	0.200	2.50	19.82	22.32	53.62	-31.30	Average
6	0.200	14.50	19.82	34.32	63.62	-29.30	QP
7	0.303	20.89	19.83	40.72	50.15	-9.43	Average
8	0.303	22.79	19.83	42.62	60.15	-17.53	QP
9	0.614	10.90	19.75	30.65	46.00	-15.35	Average
10	0.614	14.40	19.75	34.15	56.00	-21.85	QP
11	0.914	8.40	19.74	28.14	46.00	-17.86	Average
12	0.914	13.60	19.74	33.34	56.00	-22.66	QP

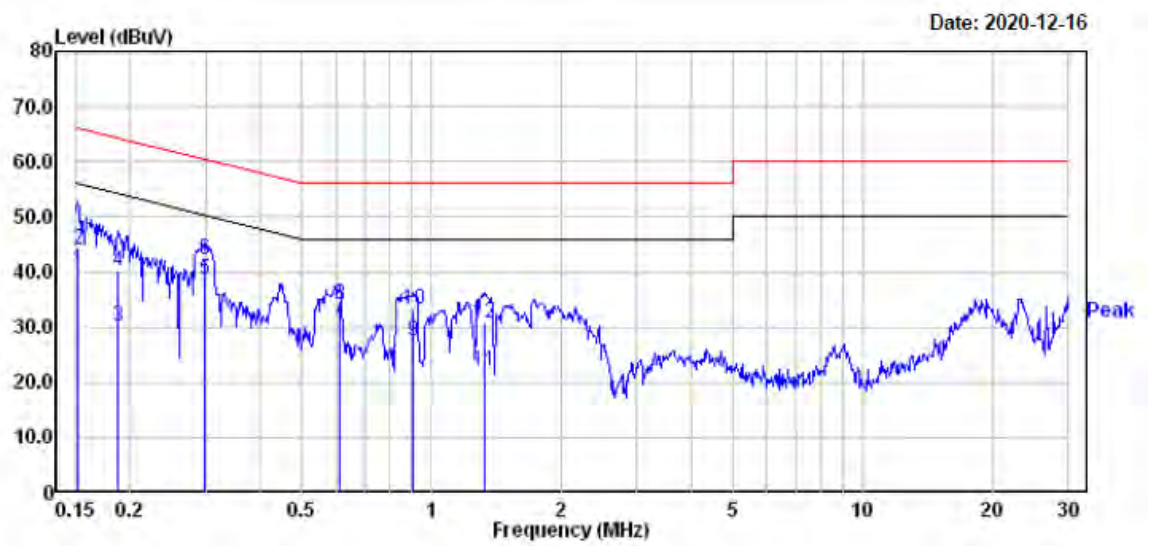
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.157	15.70	19.82	35.52	55.60	-20.08	Average
2	0.157	21.20	19.82	41.02	65.60	-24.58	QP
3	0.206	1.40	19.82	21.22	53.36	-32.14	Average
4	0.206	13.40	19.82	33.22	63.36	-30.14	QP
5	0.305	20.69	19.83	40.52	50.10	-9.58	Average
6	0.305	22.89	19.83	42.72	60.10	-17.38	QP
7	0.527	3.51	19.75	23.26	46.00	-22.74	Average
8	0.527	7.91	19.75	27.66	56.00	-28.34	QP
9	0.614	11.20	19.75	30.95	46.00	-15.05	Average
10	0.614	14.20	19.75	33.95	56.00	-22.05	QP
11	18.426	-3.00	19.86	16.86	50.00	-33.14	Average
12	18.426	3.80	19.86	23.66	60.00	-36.34	QP

AC 120V/60 Hz, Neutral



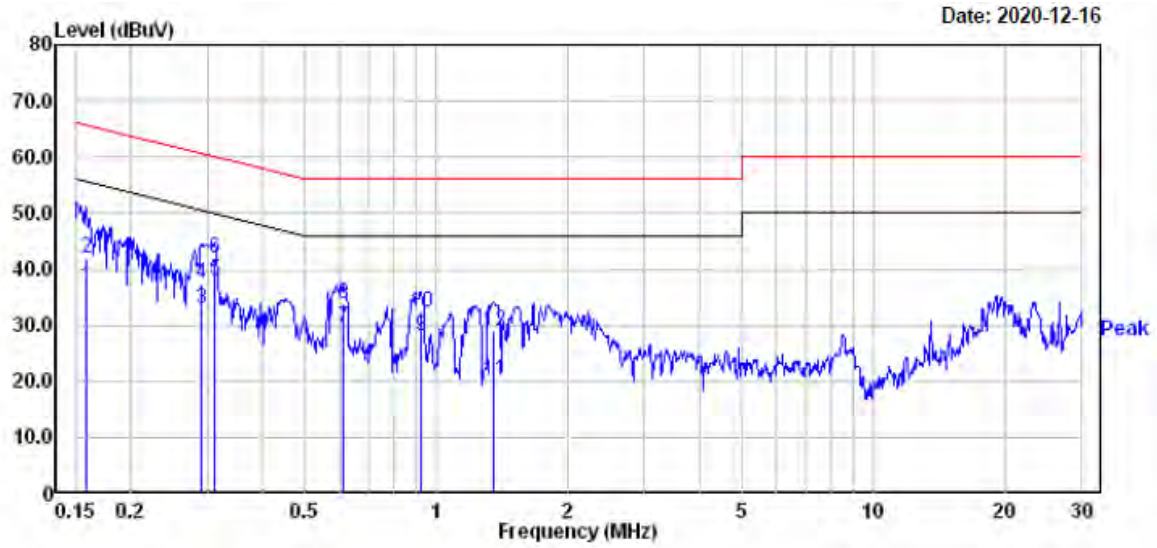
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	20.50	19.82	40.32	55.91	-15.59	Average
2	0.152	24.20	19.82	44.02	65.91	-21.89	QP
3	0.188	10.41	19.82	30.23	54.11	-23.88	Average
4	0.188	20.31	19.82	40.13	64.11	-23.98	QP
5	0.297	18.70	19.83	38.53	50.32	-11.79	Average
6	0.297	22.40	19.83	42.23	60.32	-18.09	QP
7	0.611	12.00	19.75	31.75	46.00	-14.25	Average
8	0.611	14.40	19.75	34.15	56.00	-21.85	QP
9	0.909	7.80	19.74	27.54	46.00	-18.46	Average
10	0.909	13.40	19.74	33.14	56.00	-22.86	QP
11	1.324	2.11	19.82	21.93	46.00	-24.07	Average
12	1.324	11.11	19.82	30.93	56.00	-25.07	QP

For 434MHz Band:

EUT operation mode: Transmitting in high channel of ANT 3(worst case)

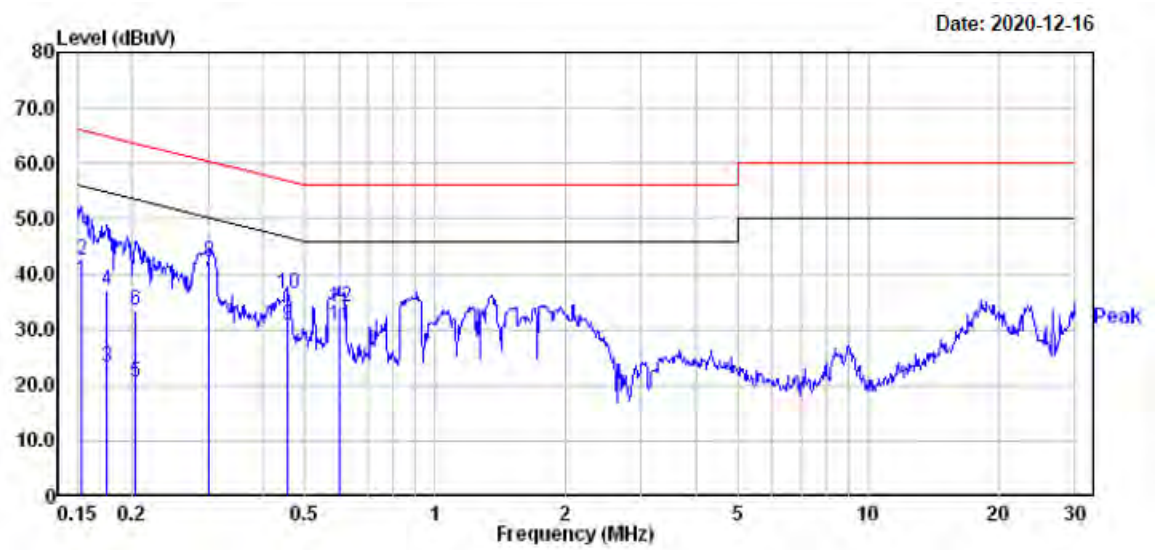
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.159	16.90	19.82	36.72	55.52	-18.80	Average
2	0.159	22.00	19.82	41.82	65.52	-23.70	QP
3	0.291	13.00	19.82	32.82	50.50	-17.68	Average
4	0.291	17.60	19.82	37.42	60.50	-23.08	QP
5	0.312	18.09	19.83	37.92	49.93	-12.01	Average
6	0.312	22.09	19.83	41.92	59.93	-18.01	QP
7	0.611	9.90	19.75	29.65	46.00	-16.35	Average
8	0.611	14.00	19.75	33.75	56.00	-22.25	QP
9	0.923	8.30	19.75	28.05	46.00	-17.95	Average
10	0.923	12.60	19.75	32.35	56.00	-23.65	QP
11	1.352	0.30	19.83	20.13	46.00	-25.87	Average
12	1.352	9.20	19.83	29.03	56.00	-26.97	QP

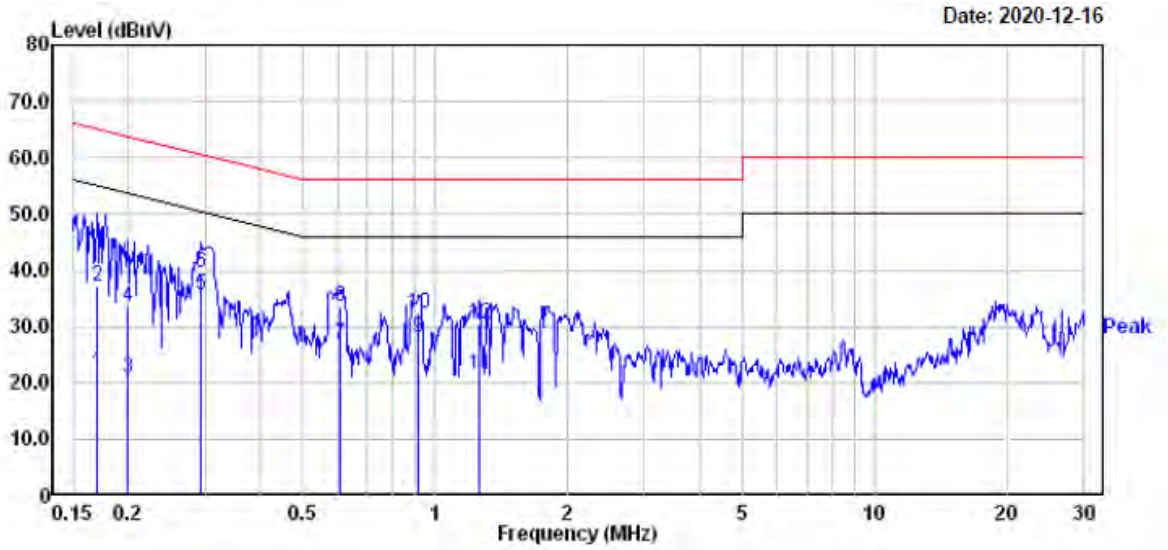
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	19.00	19.82	38.82	55.82	-17.00	Average
2	0.153	22.60	19.82	42.42	65.82	-23.40	QP
3	0.175	3.50	19.83	23.33	54.72	-31.39	Average
4	0.175	17.20	19.83	37.03	64.72	-27.69	QP
5	0.204	0.80	19.82	20.62	53.45	-32.83	Average
6	0.204	13.80	19.82	33.62	63.45	-29.83	QP
7	0.300	20.50	19.83	40.33	50.24	-9.91	Average
8	0.300	22.50	19.83	42.33	60.24	-17.91	QP
9	0.459	11.10	19.75	30.85	46.71	-15.86	Average
10	0.459	16.90	19.75	36.65	56.71	-20.06	QP
11	0.601	11.00	19.75	30.75	46.00	-15.25	Average
12	0.601	14.40	19.75	34.15	56.00	-21.85	QP

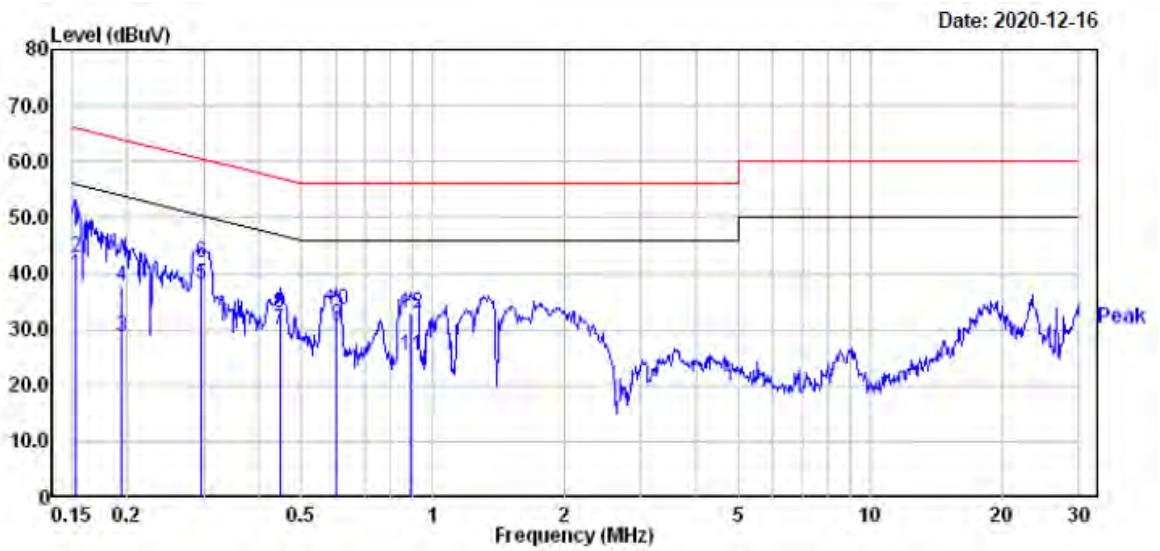
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.170	2.00	19.83	21.83	54.94	-33.11	Average
2	0.170	17.20	19.83	37.03	64.94	-27.91	QP
3	0.200	1.00	19.82	20.82	53.62	-32.80	Average
4	0.200	13.80	19.82	33.62	63.62	-30.00	QP
5	0.294	15.80	19.83	35.63	50.41	-14.78	Average
6	0.294	19.70	19.83	39.53	60.41	-20.88	QP
7	0.608	7.20	19.75	26.95	46.00	-19.05	Average
8	0.608	13.70	19.75	33.45	56.00	-22.55	QP
9	0.918	8.19	19.75	27.94	46.00	-18.06	Average
10	0.918	12.59	19.75	32.34	56.00	-23.66	QP
11	1.262	1.60	19.82	21.42	46.00	-24.58	Average
12	1.262	10.80	19.82	30.62	56.00	-25.38	QP

AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	19.90	19.82	39.72	55.87	-16.15	Average
2	0.152	23.00	19.82	42.82	65.87	-23.05	QP
3	0.194	8.90	19.82	28.72	53.84	-25.12	Average
4	0.194	17.90	19.82	37.72	63.84	-26.12	QP
5	0.296	18.20	19.83	38.03	50.37	-12.34	Average
6	0.296	22.10	19.83	41.93	60.37	-18.44	QP
7	0.447	10.10	19.75	29.85	46.93	-17.08	Average
8	0.447	13.10	19.75	32.85	56.93	-24.08	QP
9	0.601	11.10	19.75	30.85	46.00	-15.15	Average
10	0.601	13.90	19.75	33.65	56.00	-22.35	QP
11	0.890	5.69	19.73	25.42	46.00	-20.58	Average
12	0.890	13.19	19.73	32.92	56.00	-23.08	QP

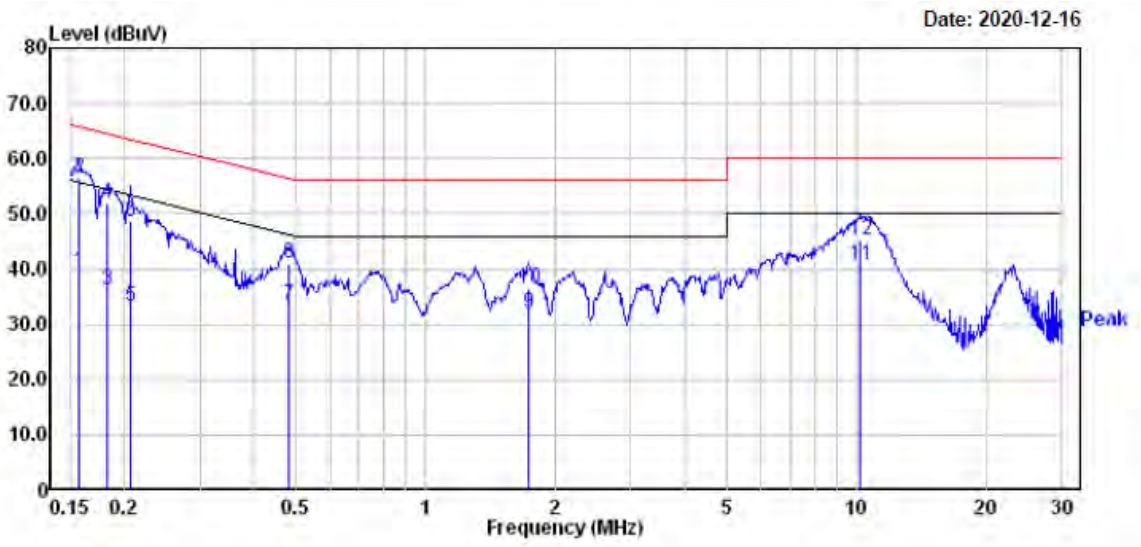
For PoE power supply:

For 300MHz Band:

EUT operation mode: Transmitting in low channel of ANT 2(worst case)

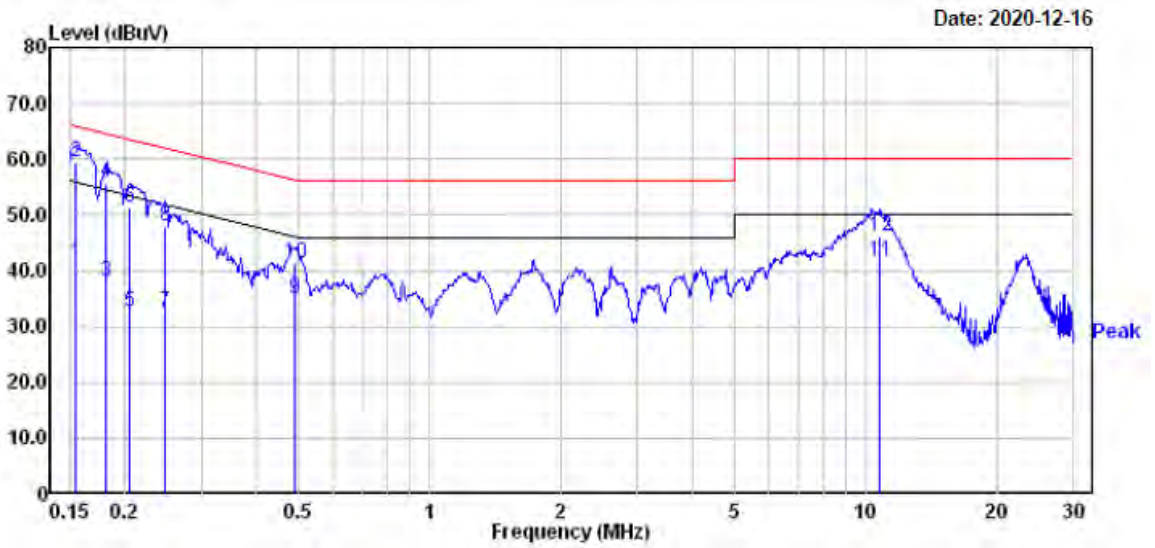
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.156	19.60	19.82	39.42	55.65	-16.23	Average
2	0.156	36.60	19.82	56.42	65.65	-9.23	QP
3	0.182	16.30	19.83	36.13	54.37	-18.24	Average
4	0.182	32.20	19.83	52.03	64.37	-12.34	QP
5	0.207	13.30	19.82	33.12	53.32	-20.20	Average
6	0.207	28.90	19.82	48.72	63.32	-14.60	QP
7	0.484	13.70	19.76	33.46	46.27	-12.81	Average
8	0.484	21.40	19.76	41.16	56.27	-15.11	QP
9	1.744	12.10	19.84	31.94	46.00	-14.06	Average
10	1.744	16.60	19.84	36.44	56.00	-19.56	QP
11	10.233	21.10	19.56	40.66	50.00	-9.34	Average
12	10.233	25.70	19.56	45.26	60.00	-14.74	QP

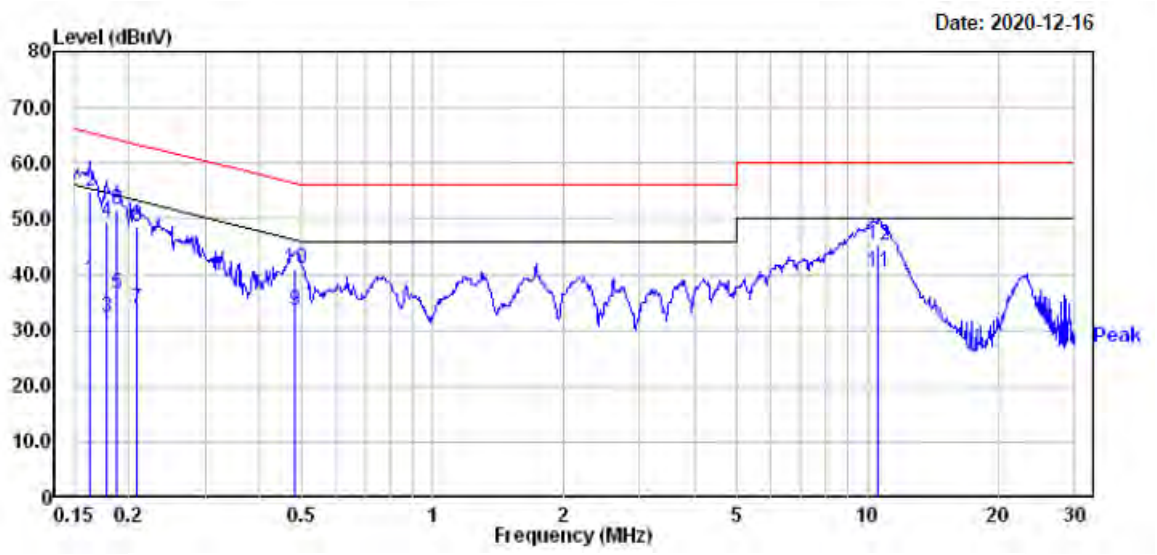
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	21.40	19.82	41.22	55.74	-14.52	Average
2	0.155	39.80	19.82	59.62	65.74	-6.12	QP
3	0.182	18.30	19.83	38.13	54.42	-16.29	Average
4	0.182	35.90	19.83	55.73	64.42	-8.69	QP
5	0.205	12.90	19.82	32.72	53.40	-20.68	Average
6	0.205	31.40	19.82	51.22	63.40	-12.18	QP
7	0.247	12.70	19.82	32.52	51.86	-19.34	Average
8	0.247	28.30	19.82	48.12	61.86	-13.74	QP
9	0.489	15.20	19.76	34.96	46.19	-11.23	Average
10	0.489	21.70	19.76	41.46	56.19	-14.73	QP
11	10.790	22.00	19.57	41.57	50.00	-8.43	Average
12	10.790	26.70	19.57	46.27	60.00	-13.73	QP

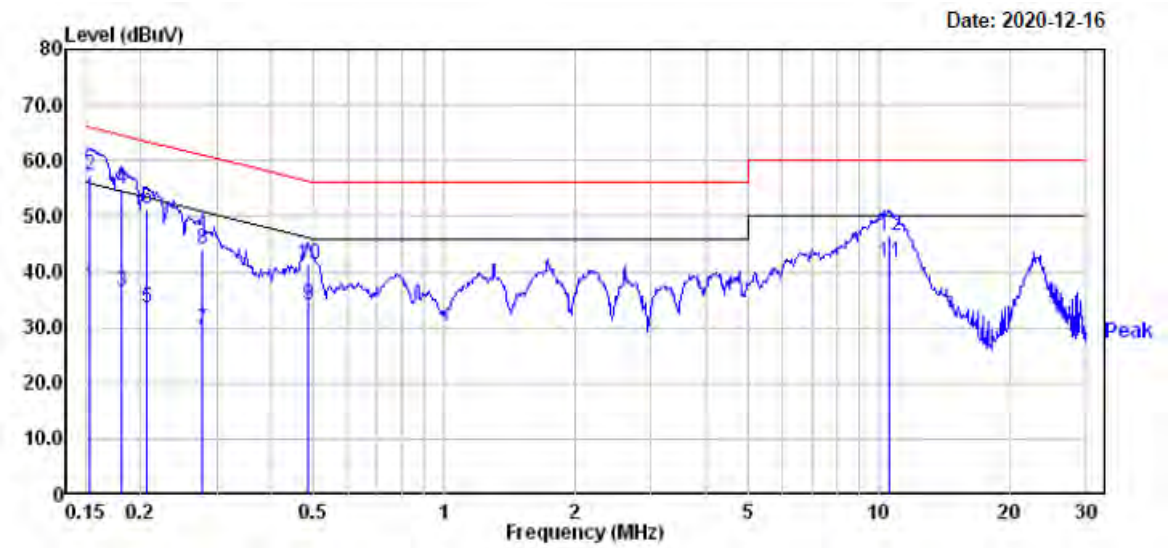
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.163	19.00	19.83	38.83	55.30	-16.47	Average
2	0.163	35.20	19.83	55.03	65.30	-10.27	QP
3	0.178	12.40	19.83	32.23	54.59	-22.36	Average
4	0.178	29.80	19.83	49.63	64.59	-14.96	QP
5	0.188	16.81	19.82	36.63	54.11	-17.48	Average
6	0.188	31.71	19.82	51.53	64.11	-12.58	QP
7	0.209	14.00	19.82	33.82	53.23	-19.41	Average
8	0.209	28.90	19.82	48.72	63.23	-14.51	QP
9	0.484	13.70	19.76	33.46	46.27	-12.81	Average
10	0.484	21.40	19.76	41.16	56.27	-15.11	QP
11	10.620	20.91	19.56	40.47	50.00	-9.53	Average
12	10.620	25.61	19.56	45.17	60.00	-14.83	QP

AC 120V/60 Hz, Neutral



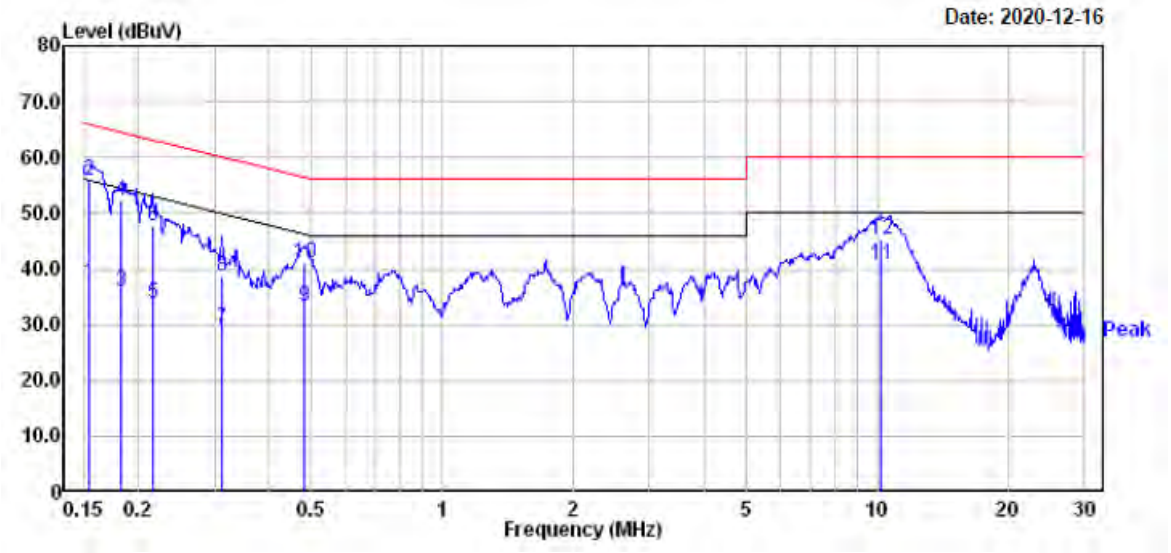
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	17.60	19.82	37.42	55.87	-18.45	Average
2	0.152	37.40	19.82	57.22	65.87	-8.65	QP
3	0.181	16.80	19.83	36.63	54.46	-17.83	Average
4	0.181	35.20	19.83	55.03	64.46	-9.43	QP
5	0.206	13.80	19.82	33.62	53.36	-19.74	Average
6	0.206	31.60	19.82	51.42	63.36	-11.94	QP
7	0.277	9.70	19.82	29.52	50.90	-21.38	Average
8	0.277	24.20	19.82	44.02	60.90	-16.88	QP
9	0.486	14.30	19.76	34.06	46.23	-12.17	Average
10	0.486	21.50	19.76	41.26	56.23	-14.97	QP
11	10.620	22.21	19.56	41.77	50.00	-8.23	Average
12	10.620	26.81	19.56	46.37	60.00	-13.63	QP

For 350MHz Band:

EUT operation mode: Transmitting in high channel of ANT 1 (worst case)

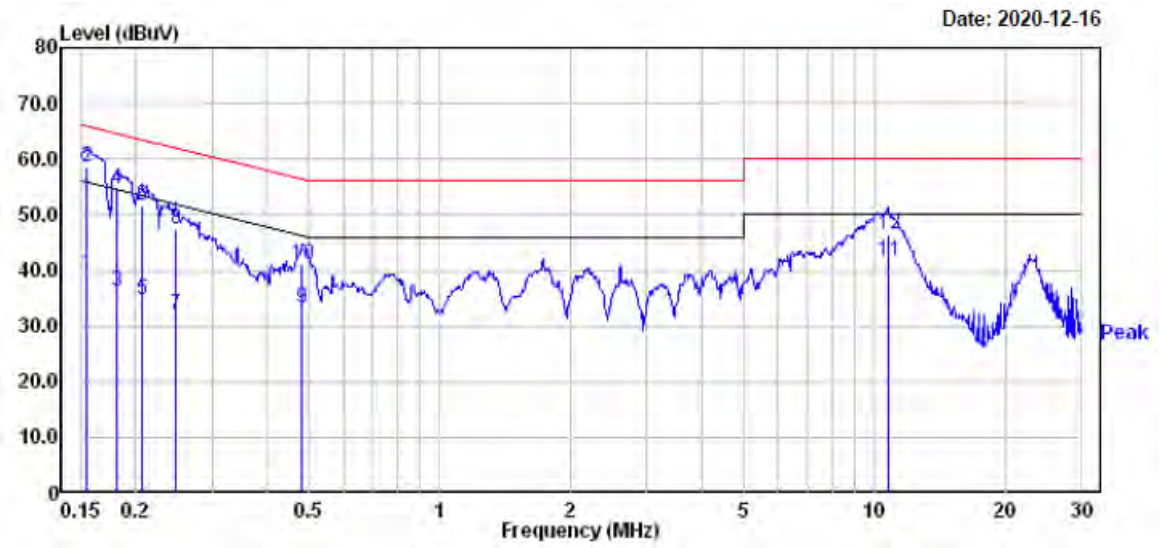
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.154	17.70	19.82	37.52	55.78	-18.26	Average
2	0.154	35.90	19.82	55.72	65.78	-10.06	QP
3	0.182	16.10	19.83	35.93	54.37	-18.44	Average
4	0.182	32.30	19.83	52.13	64.37	-12.24	QP
5	0.216	14.00	19.82	33.82	52.96	-19.14	Average
6	0.216	28.00	19.82	47.82	62.96	-15.14	QP
7	0.312	9.39	19.83	29.22	49.93	-20.71	Average
8	0.312	18.69	19.83	38.52	59.93	-21.41	QP
9	0.481	13.30	19.76	33.06	46.32	-13.26	Average
10	0.481	21.30	19.76	41.06	56.32	-15.26	QP
11	10.233	21.10	19.56	40.66	50.00	-9.34	Average
12	10.233	25.80	19.56	45.36	60.00	-14.64	QP

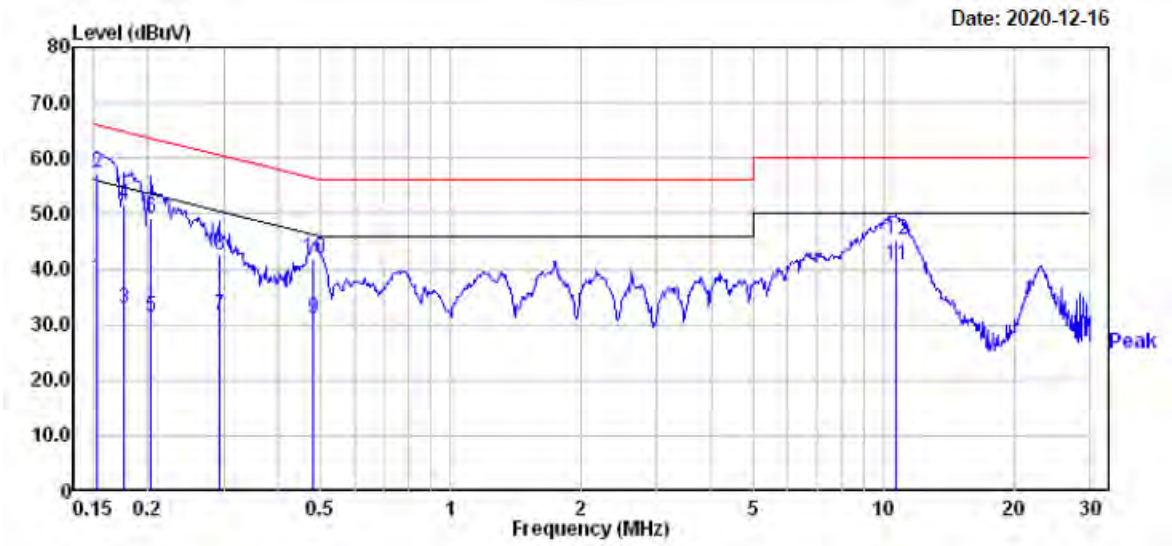
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.154	19.50	19.82	39.32	55.78	-16.46	Average
2	0.154	38.60	19.82	58.42	65.78	-7.36	QP
3	0.181	16.40	19.83	36.23	54.46	-18.23	Average
4	0.181	34.80	19.83	54.63	64.46	-9.83	QP
5	0.207	14.80	19.82	34.62	53.32	-18.70	Average
6	0.207	31.70	19.82	51.52	63.32	-11.80	QP
7	0.247	12.30	19.82	32.12	51.86	-19.74	Average
8	0.247	27.60	19.82	47.42	61.86	-14.44	QP
9	0.484	13.40	19.76	33.16	46.27	-13.11	Average
10	0.484	21.40	19.76	41.16	56.27	-15.11	QP
11	10.733	22.00	19.57	41.57	50.00	-8.43	Average
12	10.733	26.80	19.57	46.37	60.00	-13.63	QP

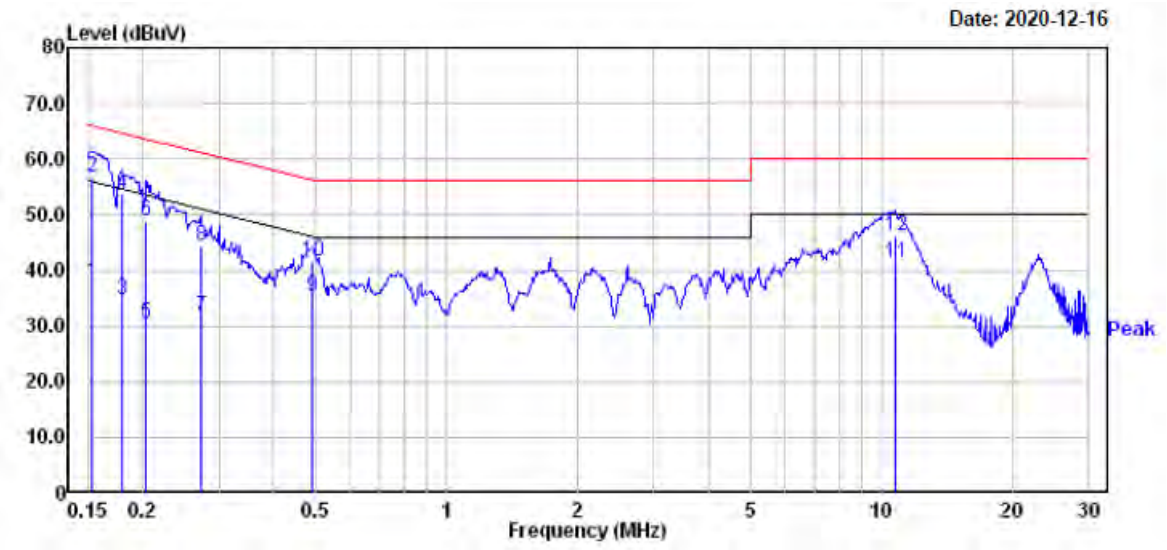
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	18.40	19.82	38.22	55.82	-17.60	Average
2	0.153	37.40	19.82	57.22	65.82	-8.60	QP
3	0.177	13.00	19.83	32.83	54.64	-21.81	Average
4	0.177	31.90	19.83	51.73	64.64	-12.91	QP
5	0.204	11.70	19.82	31.52	53.45	-21.93	Average
6	0.204	29.40	19.82	49.22	63.45	-14.23	QP
7	0.292	11.80	19.83	31.63	50.46	-18.83	Average
8	0.292	22.70	19.83	42.53	60.46	-17.93	QP
9	0.484	11.40	19.76	31.16	46.27	-15.11	Average
10	0.484	22.10	19.76	41.86	56.27	-14.41	QP
11	10.676	21.11	19.56	40.67	50.00	-9.33	Average
12	10.676	25.81	19.56	45.37	60.00	-14.63	QP

AC 120V/60 Hz, Neutral



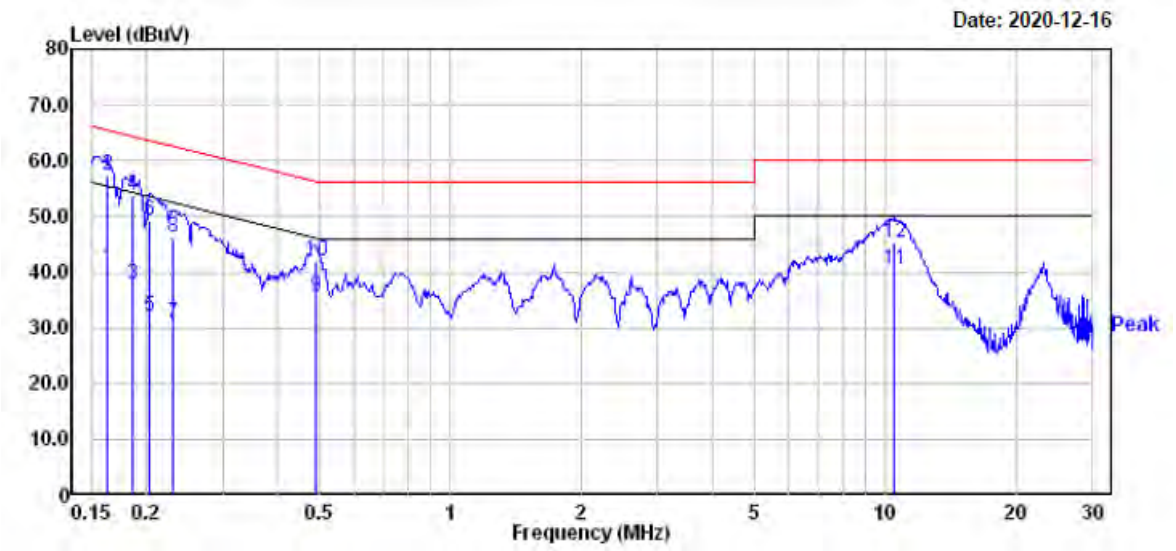
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	17.80	19.82	37.62	55.87	-18.25	Average
2	0.152	36.80	19.82	56.62	65.87	-9.25	QP
3	0.180	14.80	19.83	34.63	54.50	-19.87	Average
4	0.180	33.80	19.83	53.63	64.50	-10.87	QP
5	0.204	10.80	19.82	30.62	53.45	-22.83	Average
6	0.204	29.00	19.82	48.82	63.45	-14.63	QP
7	0.272	12.00	19.82	31.82	51.07	-19.25	Average
8	0.272	24.50	19.82	44.32	61.07	-16.75	QP
9	0.492	15.60	19.76	35.36	46.14	-10.78	Average
10	0.492	21.80	19.76	41.56	56.14	-14.58	QP
11	10.733	21.90	19.57	41.47	50.00	-8.53	Average
12	10.733	26.70	19.57	46.27	60.00	-13.73	QP

For 375MHz Band:

EUT operation mode: Transmitting in high channel of ANT 3 (worst case)

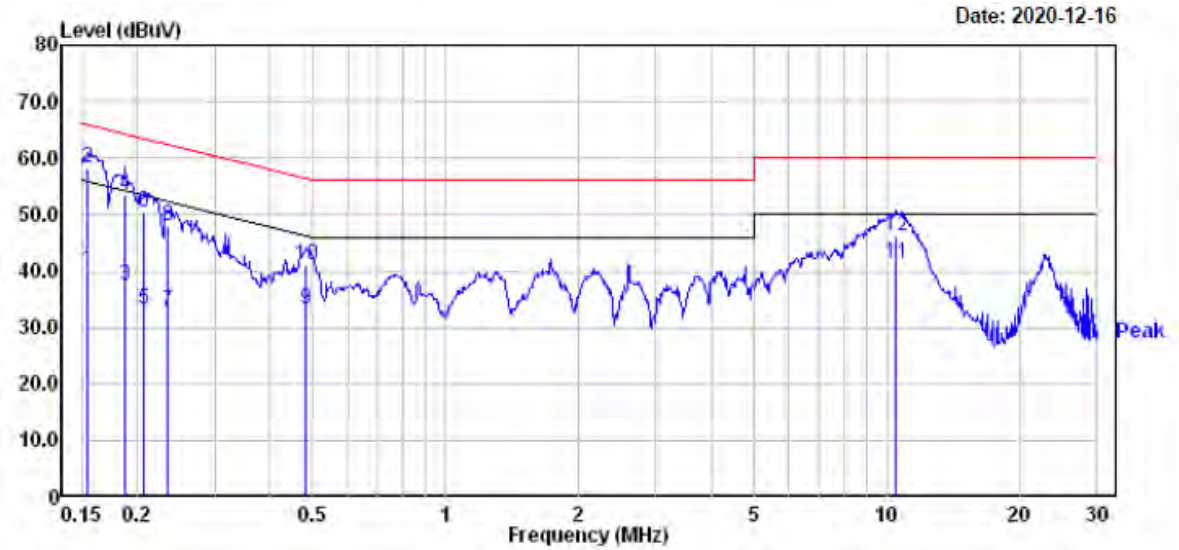
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.162	20.80	19.83	40.63	55.34	-14.71	Average
2	0.162	37.50	19.83	57.33	65.34	-8.01	QP
3	0.185	18.01	19.82	37.83	54.24	-16.41	Average
4	0.185	34.01	19.82	53.83	64.24	-10.41	QP
5	0.204	12.10	19.82	31.92	53.45	-21.53	Average
6	0.204	29.30	19.82	49.12	63.45	-14.33	QP
7	0.230	11.10	19.82	30.92	52.44	-21.52	Average
8	0.230	26.40	19.82	46.22	62.44	-16.22	QP
9	0.489	15.90	19.76	35.66	46.19	-10.53	Average
10	0.489	22.20	19.76	41.96	56.19	-14.23	QP
11	10.508	20.90	19.56	40.46	50.00	-9.54	Average
12	10.508	25.60	19.56	45.16	60.00	-14.84	QP

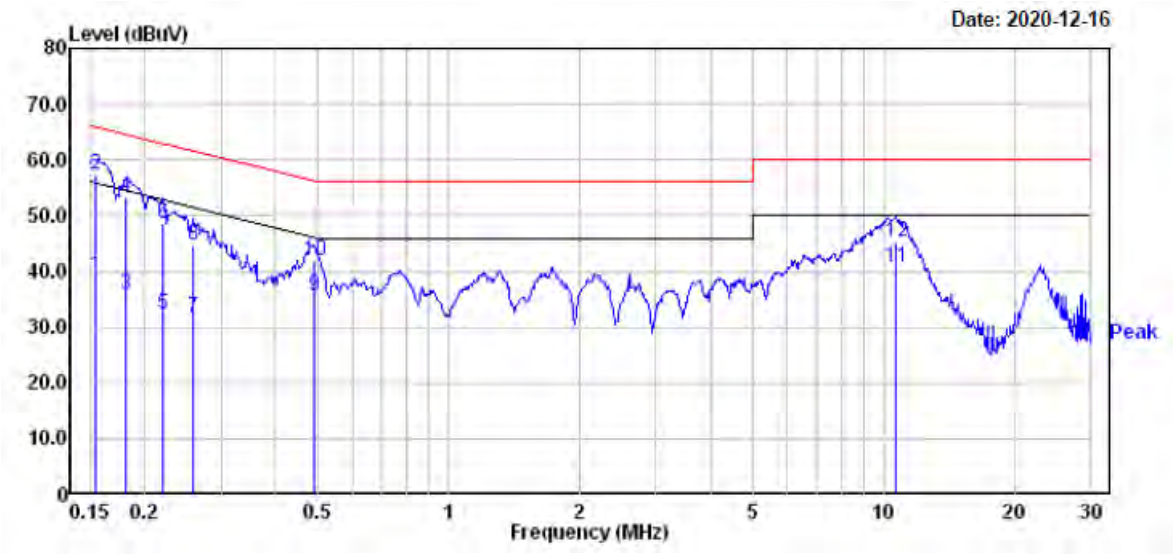
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	20.20	19.82	40.02	55.74	-15.72	Average
2	0.155	38.30	19.82	58.12	65.74	-7.62	QP
3	0.188	17.71	19.82	37.53	54.11	-16.58	Average
4	0.188	33.71	19.82	53.53	64.11	-10.58	QP
5	0.206	13.50	19.82	33.32	53.36	-20.04	Average
6	0.206	30.60	19.82	50.42	63.36	-12.94	QP
7	0.234	13.10	19.82	32.92	52.30	-19.38	Average
8	0.234	28.20	19.82	48.02	62.30	-14.28	QP
9	0.484	13.40	19.76	33.16	46.27	-13.11	Average
10	0.484	21.40	19.76	41.16	56.27	-15.11	QP
11	10.452	21.90	19.56	41.46	50.00	-8.54	Average
12	10.452	26.50	19.56	46.06	60.00	-13.94	QP

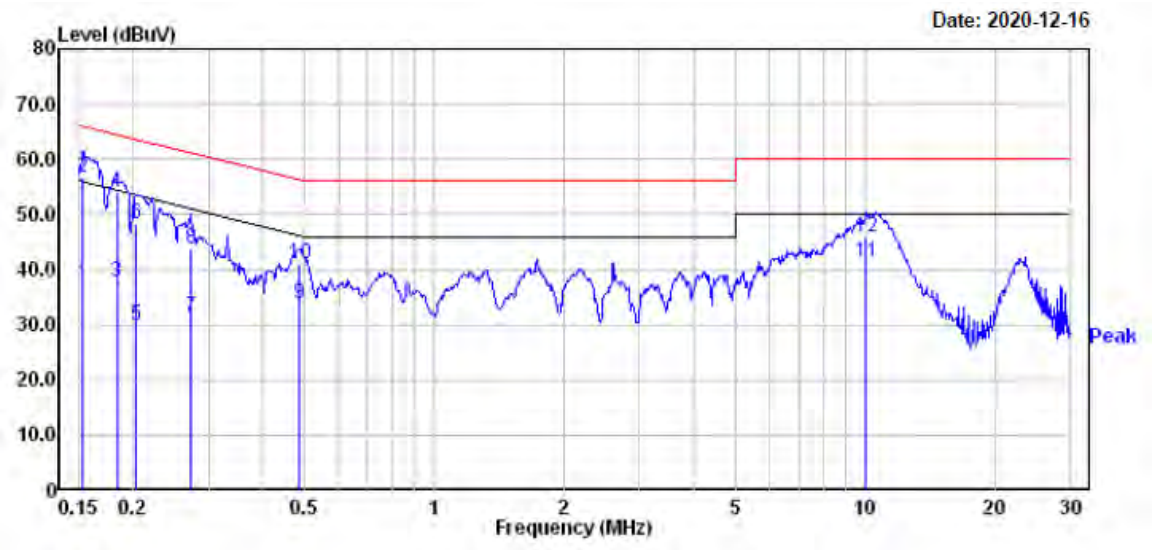
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	19.30	19.82	39.12	55.74	-16.62	Average
2	0.155	37.60	19.82	57.42	65.74	-8.32	QP
3	0.181	16.00	19.83	35.83	54.46	-18.63	Average
4	0.181	33.50	19.83	53.33	64.46	-11.13	QP
5	0.221	12.40	19.82	32.22	52.79	-20.57	Average
6	0.221	28.90	19.82	48.72	62.79	-14.07	QP
7	0.259	11.80	19.82	31.62	51.47	-19.85	Average
8	0.259	24.80	19.82	44.62	61.47	-16.85	QP
9	0.489	16.00	19.76	35.76	46.19	-10.43	Average
10	0.489	22.20	19.76	41.96	56.19	-14.23	QP
11	10.676	21.11	19.56	40.67	50.00	-9.33	Average
12	10.676	25.71	19.56	45.27	60.00	-14.73	QP

AC 120V/60 Hz, Neutral



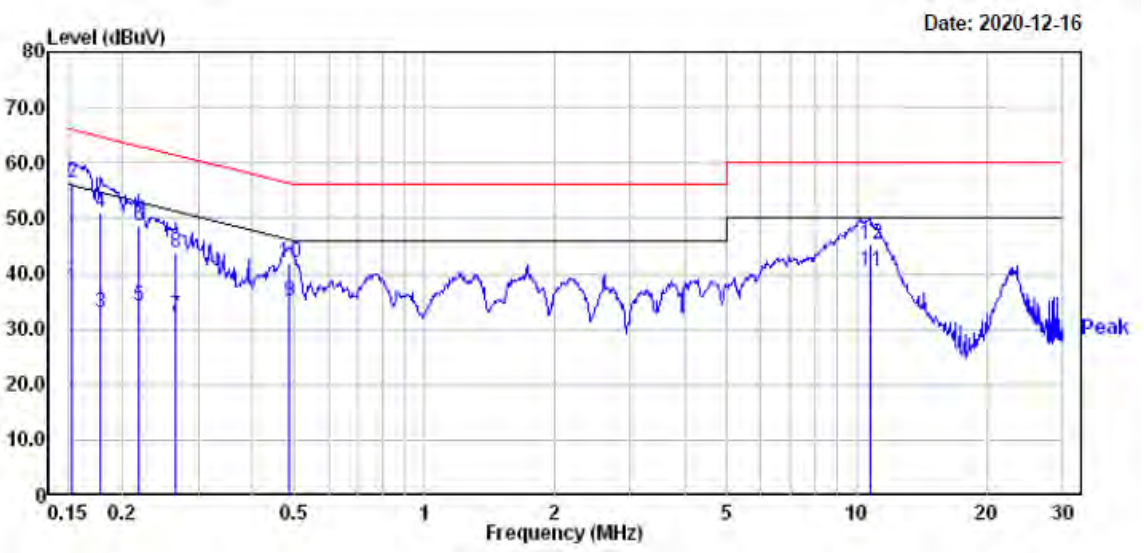
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	17.50	19.82	37.32	55.82	-18.50	Average
2	0.153	36.90	19.82	56.72	65.82	-9.10	QP
3	0.183	18.00	19.83	37.83	54.33	-16.50	Average
4	0.183	34.20	19.83	54.03	64.33	-10.30	QP
5	0.204	10.20	19.82	30.02	53.45	-23.43	Average
6	0.204	28.40	19.82	48.22	63.45	-15.23	QP
7	0.273	11.60	19.82	31.42	51.03	-19.61	Average
8	0.273	24.10	19.82	43.92	61.03	-17.11	QP
9	0.486	14.20	19.76	33.96	46.23	-12.27	Average
10	0.486	21.40	19.76	41.16	56.23	-15.07	QP
11	10.072	21.70	19.56	41.26	50.00	-8.74	Average
12	10.072	26.20	19.56	45.76	60.00	-14.24	QP

For 434MHz Band:

EUT operation mode: Transmitting in high channel of ANT 3 (worst case)

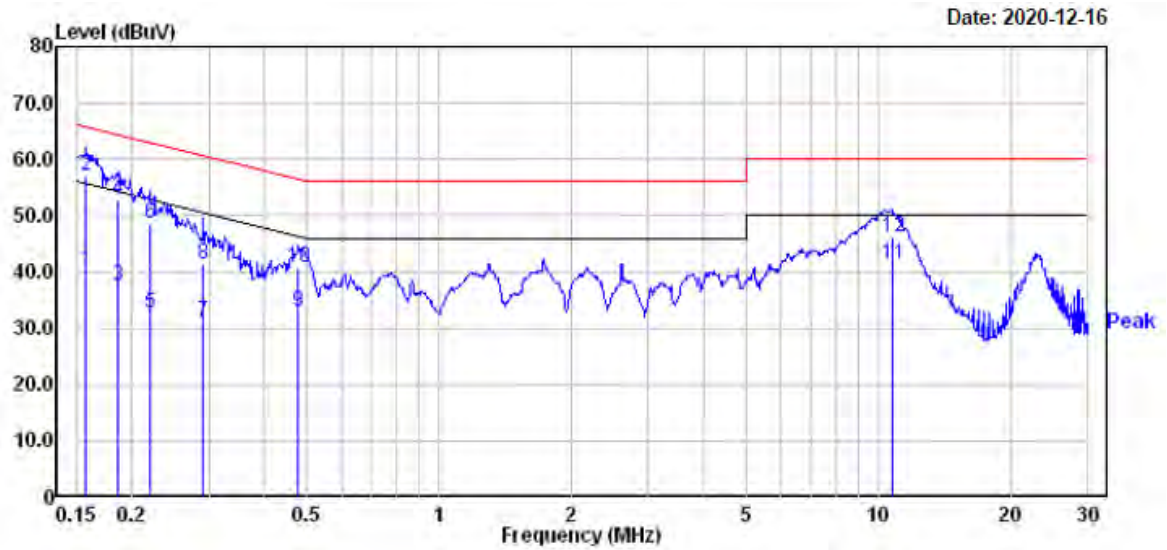
For GFSK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	17.70	19.82	37.52	55.82	-18.30	Average
2	0.153	36.70	19.82	56.52	65.82	-9.30	QP
3	0.178	13.10	19.83	32.93	54.59	-21.66	Average
4	0.178	31.20	19.83	51.03	64.59	-13.56	QP
5	0.217	14.20	19.82	34.02	52.92	-18.90	Average
6	0.217	28.90	19.82	48.72	62.92	-14.20	QP
7	0.266	12.40	19.82	32.22	51.25	-19.03	Average
8	0.266	23.90	19.82	43.72	61.25	-17.53	QP
9	0.486	15.40	19.76	35.16	46.23	-11.07	Average
10	0.486	22.10	19.76	41.86	56.23	-14.37	QP
11	10.733	21.00	19.57	40.57	50.00	-9.43	Average
12	10.733	25.60	19.57	45.17	60.00	-14.83	QP

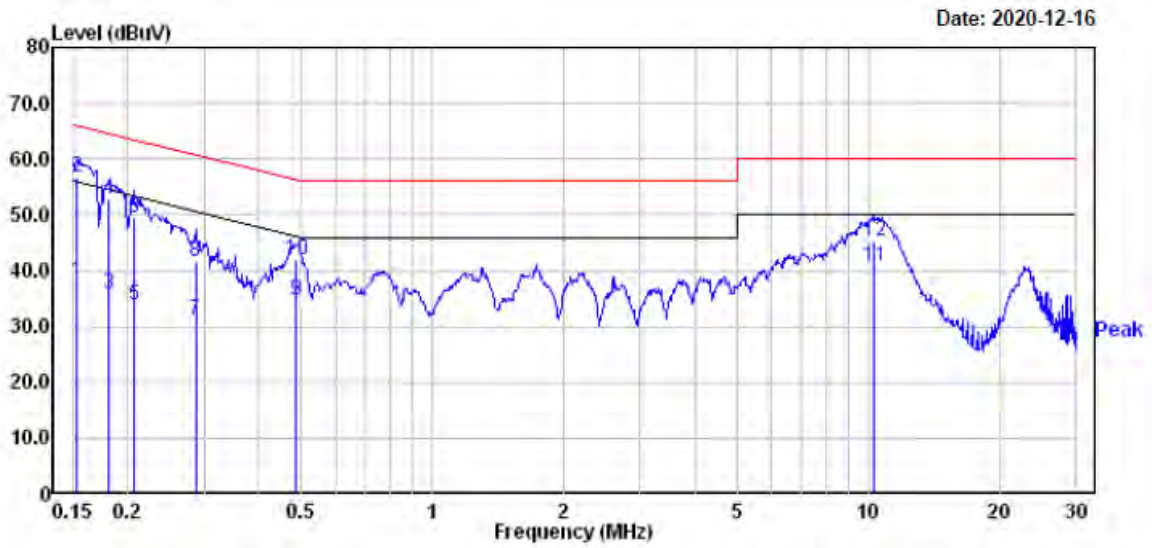
AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.157	20.30	19.82	40.12	55.60	-15.48	Average
2	0.157	37.30	19.82	57.12	65.60	-8.48	QP
3	0.185	17.71	19.82	37.53	54.24	-16.71	Average
4	0.185	33.01	19.82	52.83	64.24	-11.41	QP
5	0.220	12.70	19.82	32.52	52.83	-20.31	Average
6	0.220	28.70	19.82	48.52	62.83	-14.31	QP
7	0.291	11.30	19.82	31.12	50.50	-19.38	Average
8	0.291	21.40	19.82	41.22	60.50	-19.28	QP
9	0.479	13.10	19.76	32.86	46.36	-13.50	Average
10	0.479	21.00	19.76	40.76	56.36	-15.60	QP
11	10.733	21.90	19.57	41.47	50.00	-8.53	Average
12	10.733	26.60	19.57	46.17	60.00	-13.83	QP

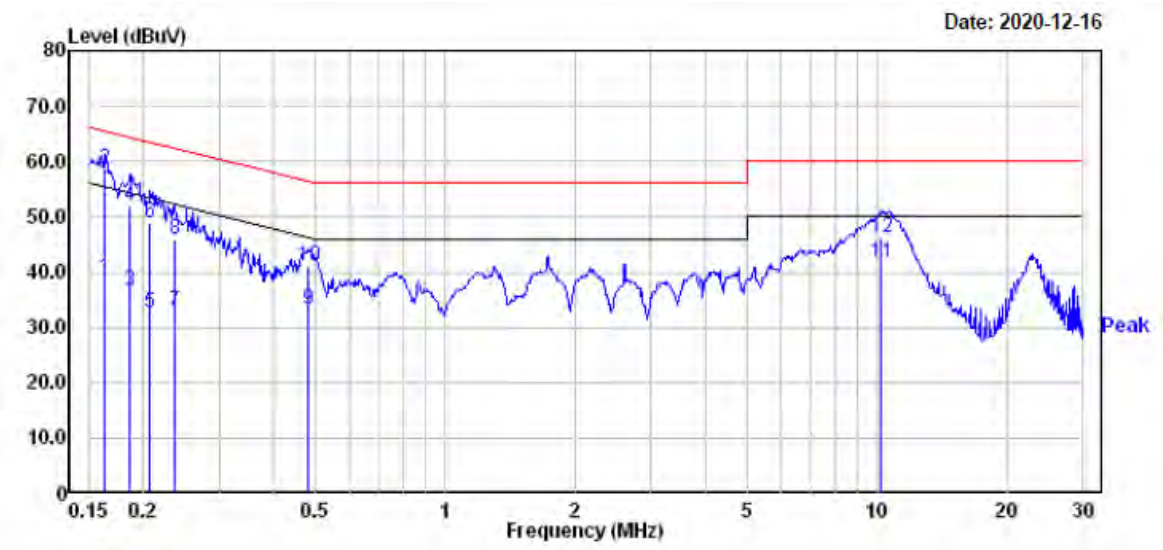
For OOK Modulation:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	18.20	19.82	38.02	55.82	-17.80	Average
2	0.153	36.80	19.82	56.62	65.82	-9.20	QP
3	0.181	16.00	19.83	35.83	54.46	-18.63	Average
4	0.181	33.00	19.83	52.83	64.46	-11.63	QP
5	0.206	13.90	19.82	33.72	53.36	-19.64	Average
6	0.206	29.80	19.82	49.62	63.36	-13.74	QP
7	0.286	11.20	19.82	31.02	50.63	-19.61	Average
8	0.286	21.90	19.82	41.72	60.63	-18.91	QP
9	0.486	15.10	19.76	34.86	46.23	-11.37	Average
10	0.486	22.10	19.76	41.86	56.23	-14.37	QP
11	10.288	21.20	19.56	40.76	50.00	-9.24	Average
12	10.288	25.70	19.56	45.26	60.00	-14.74	QP

AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.163	19.00	19.83	38.83	55.30	-16.47	Average
2	0.163	38.70	19.83	58.53	65.30	-6.77	QP
3	0.186	16.81	19.82	36.63	54.20	-17.57	Average
4	0.186	32.21	19.82	52.03	64.20	-12.17	QP
5	0.207	12.90	19.82	32.72	53.32	-20.60	Average
6	0.207	29.20	19.82	49.02	63.32	-14.30	QP
7	0.237	13.20	19.82	33.02	52.22	-19.20	Average
8	0.237	26.20	19.82	46.02	62.22	-16.20	QP
9	0.484	13.50	19.76	33.26	46.27	-13.01	Average
10	0.484	21.20	19.76	40.96	56.27	-15.31	QP
11	10.233	22.20	19.56	41.76	50.00	-8.24	Average
12	10.233	26.70	19.56	46.26	60.00	-13.74	QP

FCC §15.205, §15.209, §15.231 (b) - RADIATED EMISSIONS

Applicable Standard

FCC §15.205, §15.209, §15.231 (b)

According to FCC §15.231(b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emission (microvolts/meter)
40.66-40.70	2250	225
70-130	1250	125
130-174	1250 to 3750 **	125 to 375 **
174-260	3750	375
260-470	3750 to 12500 **	375 to 1250**
Above 470	12500	1250

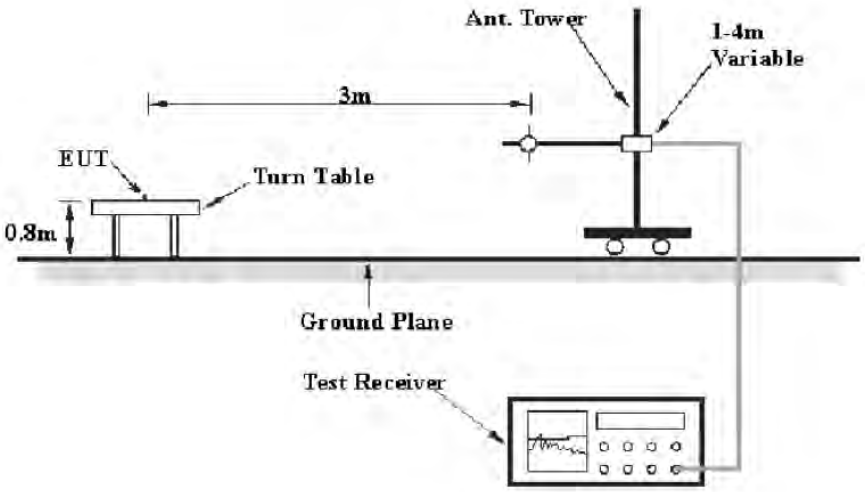
(1) The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges.

(2) Intentional radiators operating under the provisions of this section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in §15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

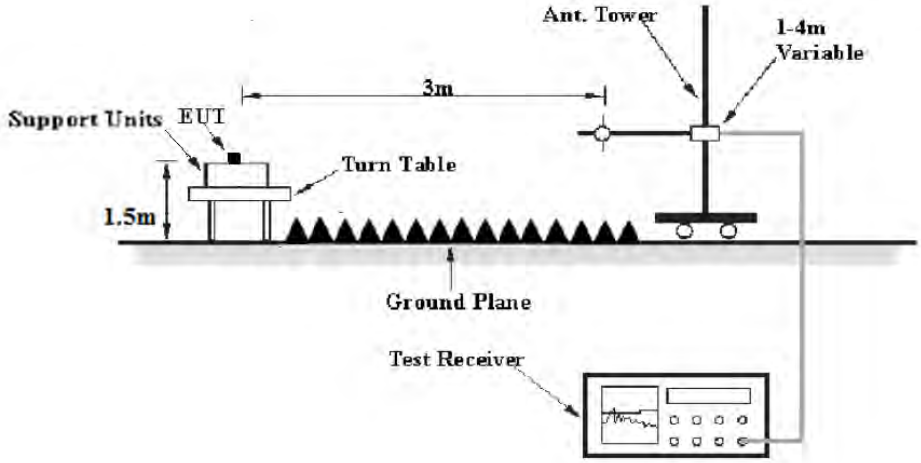
(3) The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

EUT Setup

Below 1GHz:



Above 1 GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10 - 2013. The specification used was the FCC 15 § 15.209, 15.205 and 15.231.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 4 GHz for 300MHz Band, 350MHz Band, 375MHz Band and from 30 MHz to 6 GHz for 434MHz Band.

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	/	PK
1000 MHz – 6000 MHz	1 MHz	3 MHz	/	PK

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Test Results Summary

According to the data in the following table, the EUT complied with the FCC §15.205, §15.209, §15.231 (b).

Test Data

Environmental Conditions

Temperature:	21.2-22.1 ℃
Relative Humidity:	48-50 %
ATM Pressure:	101.0-101.3 kPa

The testing was performed by CK Huang on 2020-12-11 to 2021-01-04.

Test mode: Transmitting

For Adapter power supply:

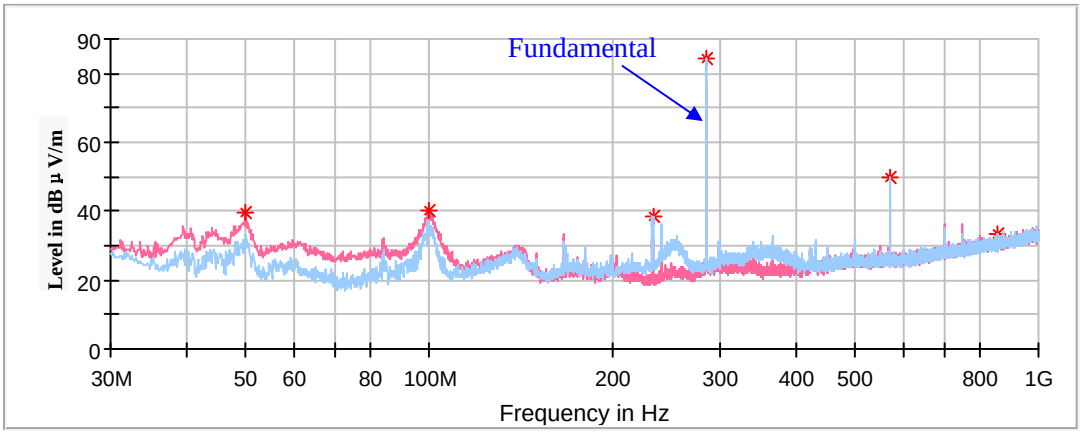
For 300MHz Band:

For GFSK Modulation:

Low Channel: 285.5MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



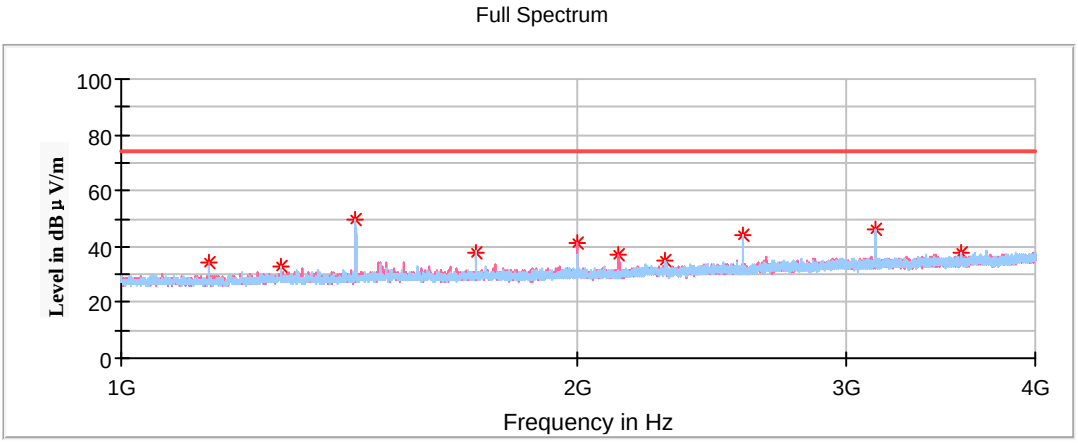
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.43	100	V	275	-18.0	53.65	14.22
99.71	40.08	100	V	103	-15.0	53.65	13.57
232.36	38.56	200	H	229	-13.7	53.65	15.09
285.50	84.53	100	H	314	-11.6	93.65	9.12
571.00	49.61	200	H	150	-5.7	73.65	24.04
856.50	33.24	200	H	137	-0.5	73.65	40.41

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	84.53	100	H	-13.98	70.55	73.65	3.10
571.00	49.61	200	H	-13.98	35.63	53.65	18.02
856.50	33.24	200	H	-13.98	19.26	53.65	34.39

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1142.00	34.12	200	V	84	-18.3	54.00	19.88
1274.80	33.01	150	H	272	-17.6	54.00	20.99
1427.50	49.51	200	H	203	-16.8	54.00	4.49
1713.00	37.98	200	H	8	-15.6	54.00	16.02
1998.50	41.49	200	V	308	-14.5	54.00	12.51
2127.10	36.91	150	V	296	-13.9	54.00	17.09
2284.00	35.10	200	H	349	-13.3	54.00	18.90
2569.50	43.86	150	H	63	-12.1	54.00	10.14
3140.50	46.20	150	H	343	-9.7	54.00	7.80
3577.30	37.93	150	H	6	-8.5	54.00	16.07

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

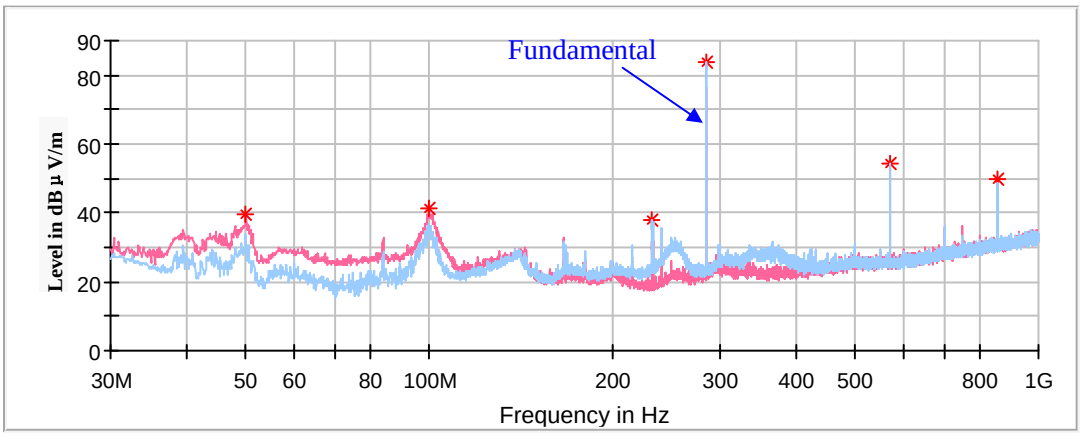
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 285.5MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



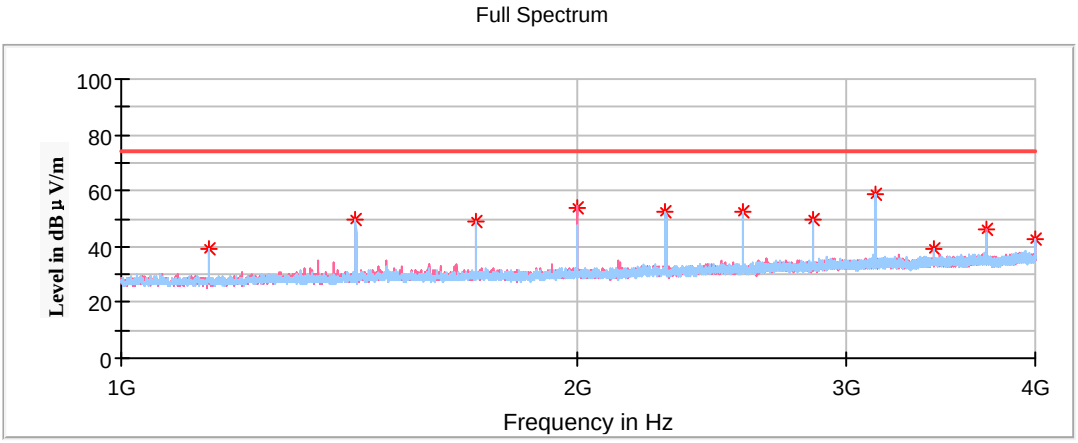
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.43	100	V	300	-18.0	53.65	14.22
99.84	41.40	100	V	21	-15.0	53.65	12.25
232.36	37.99	100	H	231	-13.7	53.65	15.66
285.50	83.67	100	H	283	-11.6	93.65	9.98
571.00	54.36	200	H	21	-5.7	73.65	19.29
856.50	49.73	100	V	293	-0.5	73.65	23.92

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	83.67	100	H	-13.98	69.69	73.65	3.96
571.00	54.36	200	H	-13.98	40.38	53.65	13.27
856.50	49.73	100	V	-13.98	35.75	53.65	17.90

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1142.00	39.14	150	H	169	-18.3	74.00	34.86
1427.50	49.53	200	H	204	-16.8	74.00	24.47
1713.00	48.87	200	H	179	-15.6	74.00	25.13
1998.50	54.05	200	V	257	-14.5	74.00	19.95
2284.00	52.39	200	H	169	-13.3	74.00	21.61
2569.50	52.49	150	H	149	-12.1	74.00	21.51
2855.00	49.44	150	H	20	-10.8	74.00	24.56
3140.50	58.75	150	H	57	-9.7	74.00	15.25
3426.00	39.31	150	H	210	-9	74.00	34.69
3711.50	45.94	200	V	247	-8.1	74.00	28.06
3997.00	42.53	200	H	336	-7	74.00	31.47

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1142.00	39.14	150	H	-13.98	25.16	54.00	28.84
1427.50	49.53	200	H	-13.98	35.55	54.00	18.45
1713.00	48.87	200	H	-13.98	34.89	54.00	19.11
1998.50	54.05	200	V	-13.98	40.07	54.00	13.93
2284.00	52.39	200	H	-13.98	38.41	54.00	15.59
2569.50	52.49	150	H	-13.98	38.51	54.00	15.49
2855.00	49.44	150	H	-13.98	35.46	54.00	18.54
3140.50	58.75	150	H	-13.98	44.77	54.00	9.23
3426.00	39.31	150	H	-13.98	25.33	54.00	28.67
3711.50	45.94	200	V	-13.98	31.96	54.00	22.04
3997.00	42.53	200	H	-13.98	28.55	54.00	25.45

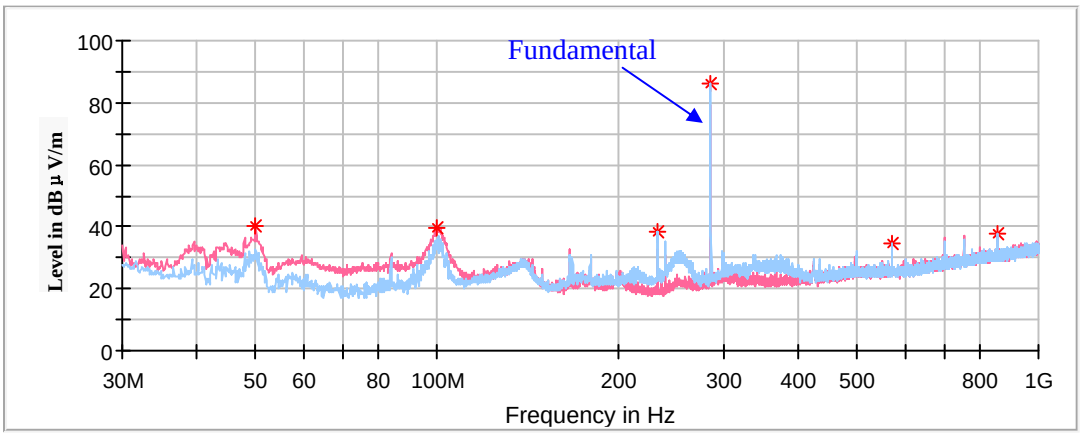
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Low Channel: 285.5MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



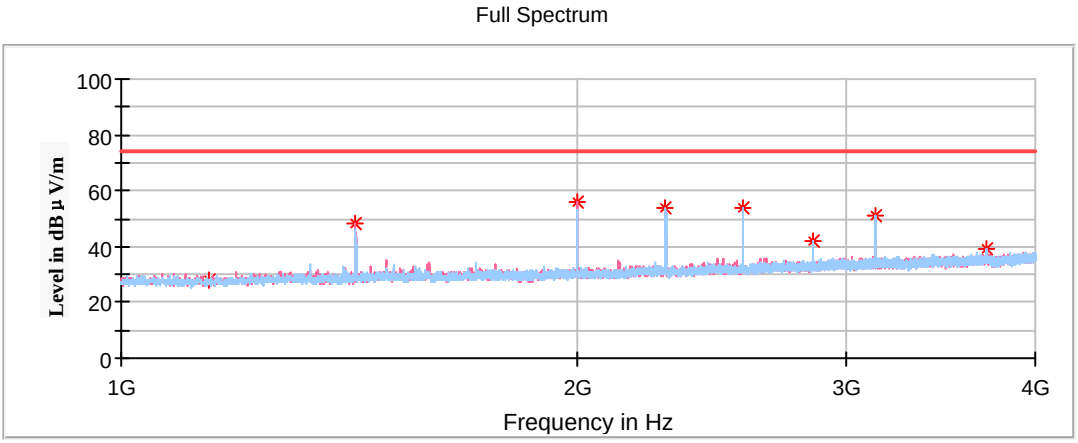
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	40.31	100	V	300	-18.0	53.65	13.34
99.84	39.81	100	V	35	-15.0	53.65	13.84
232.36	38.36	100	H	228	-13.7	53.65	15.29
285.50	86.22	100	H	313	-11.6	93.65	7.43
571.00	34.30	100	H	307	-5.7	73.65	39.35
856.50	37.51	200	H	17	-0.5	73.65	36.14

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	86.22	100	H	-13.98	72.24	73.65	1.41
571.00	34.30	100	H	-13.98	20.32	53.65	33.33
856.50	37.51	200	H	-13.98	23.53	53.65	30.12

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1142.00	28.09	150	H	53	-18.3	74.00	45.91
1427.50	48.45	200	V	293	-16.8	74.00	25.55
1998.50	55.77	200	V	201	-14.5	74.00	18.23
2284.00	53.83	150	H	64	-13.3	74.00	20.17
2569.50	54.16	150	H	64	-12.1	74.00	19.84
2855.00	42.17	150	H	257	-10.8	74.00	31.83
3140.50	51.22	150	H	247	-9.7	74.00	22.78
3711.50	39.51	200	H	332	-8	74.00	34.49

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1142.00	28.09	150	H	-13.98	14.11	54.00	39.89
1427.50	48.45	200	V	-13.98	34.47	54.00	19.53
1998.50	55.77	200	V	-13.98	41.79	54.00	12.21
2284.00	53.83	150	H	-13.98	39.85	54.00	14.15
2569.50	54.16	150	H	-13.98	40.18	54.00	13.82
2855.00	42.17	150	H	-13.98	28.19	54.00	25.81
3140.50	51.22	150	H	-13.98	37.24	54.00	16.76
3711.50	39.51	200	H	-13.98	25.53	54.00	28.47

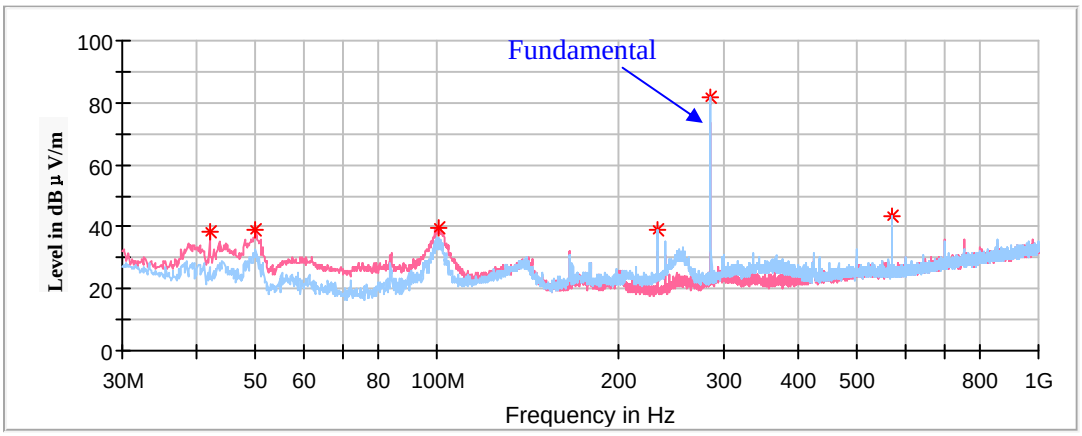
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Low Channel: 285.5MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



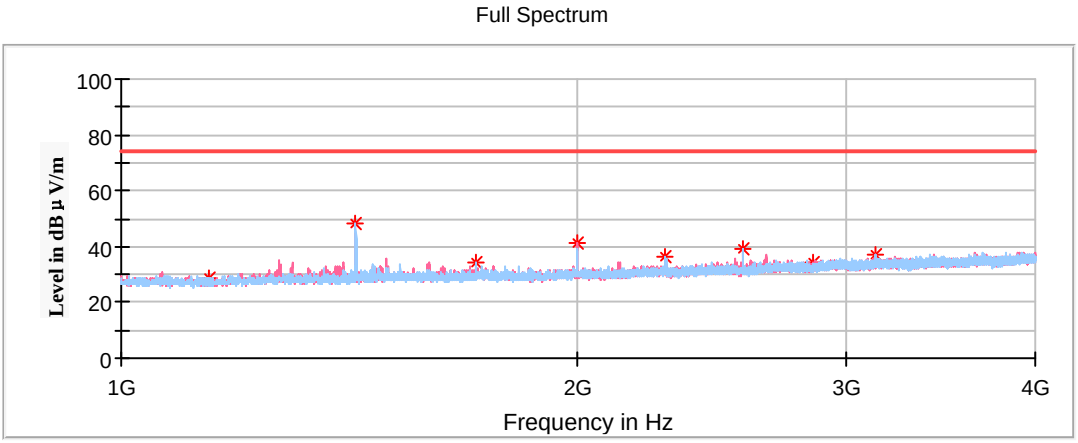
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
42.00	38.50	100	V	97	-12.60	53.65	15.15
50.00	38.94	100	V	272	-18.00	53.65	14.71
100.68	39.69	100	V	61	-14.80	53.65	13.96
232.73	38.82	100	H	228	-13.70	53.65	14.83
285.50	82.02	100	H	307	-11.60	93.65	11.63
571.00	43.21	200	H	233	-5.70	73.65	30.44

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	82.02	100	H	-13.98	68.04	73.65	5.61
571.00	43.21	200	H	-13.98	29.23	53.65	24.42

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1240.00	28.86	150	V	285	-18.3	54.00	25.14
1427.50	48.06	200	H	6	-16.8	54.00	5.94
1713.00	34.38	200	H	133	-15.6	54.00	19.62
1998.50	41.10	200	V	278	-14.5	54.00	12.90
2284.00	36.70	150	H	126	-13.3	54.00	17.30
2569.50	39.38	200	V	74	-12.1	54.00	14.62
2855.00	34.14	200	V	257	-10.8	54.00	19.86
3140.50	37.08	150	H	314	-9.7	54.00	16.92

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

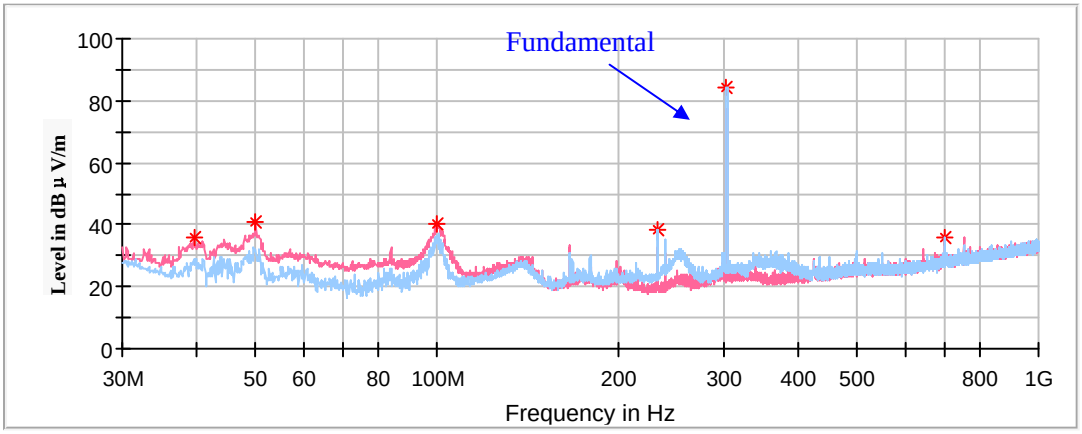
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 303.5MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



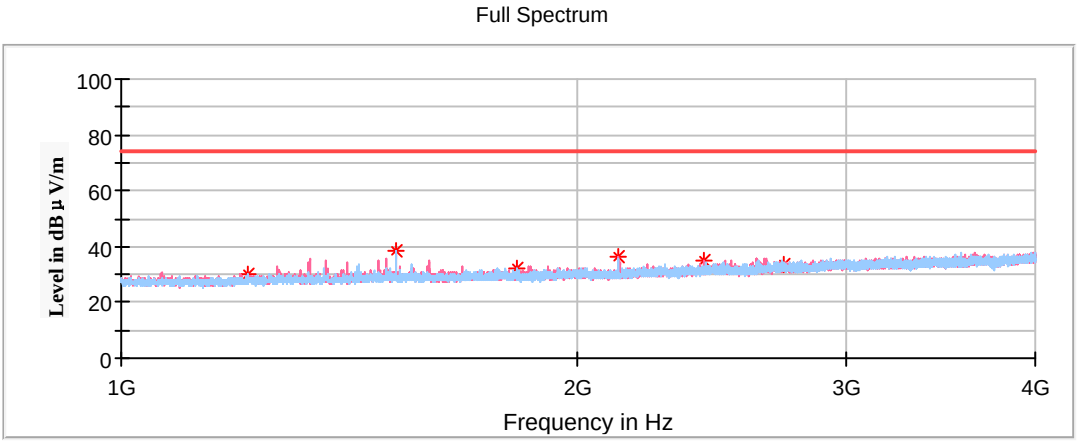
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
39.45	35.83	100	V	302	-10.9	54.91	19.08
50.00	41.19	100	V	308	-18.0	54.91	13.72
99.71	40.26	100	V	161	-15.0	54.91	14.65
232.85	38.53	100	H	234	-13.7	54.91	16.38
303.50	84.15	100	H	325	-10.9	94.91	10.76
700.02	36.08	200	H	182	-3.0	54.91	18.83

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	84.15	100	H	-13.98	70.17	74.91	4.74

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1214.00	29.79	200	H	336	-17.9	54.00	24.21
1517.50	38.50	200	H	134	-16.3	54.00	15.50
1821.00	32.46	150	H	94	-15.1	54.91	22.45
2124.50	36.33	200	V	278	-14.0	54.91	18.58
2428.00	35.31	150	V	271	-12.7	54.91	19.60
2731.50	33.87	200	V	354	-11.3	54.00	20.13

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

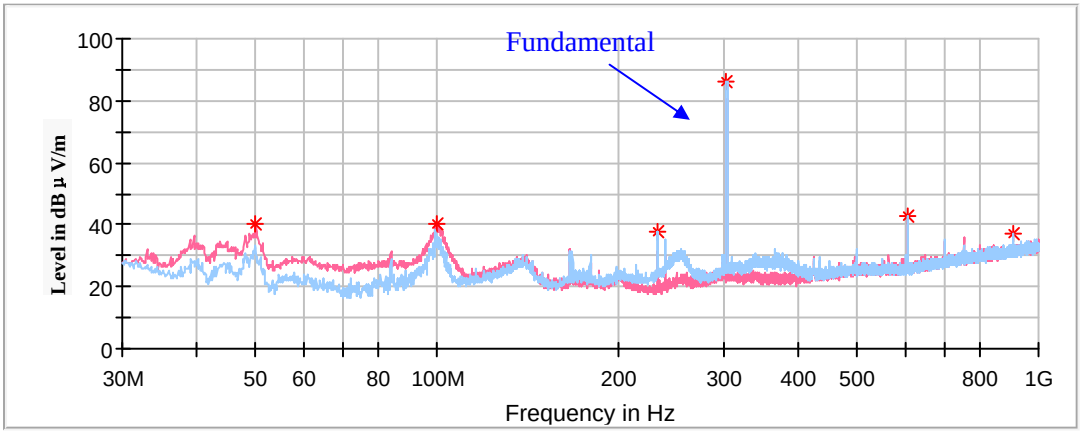
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 303.5MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



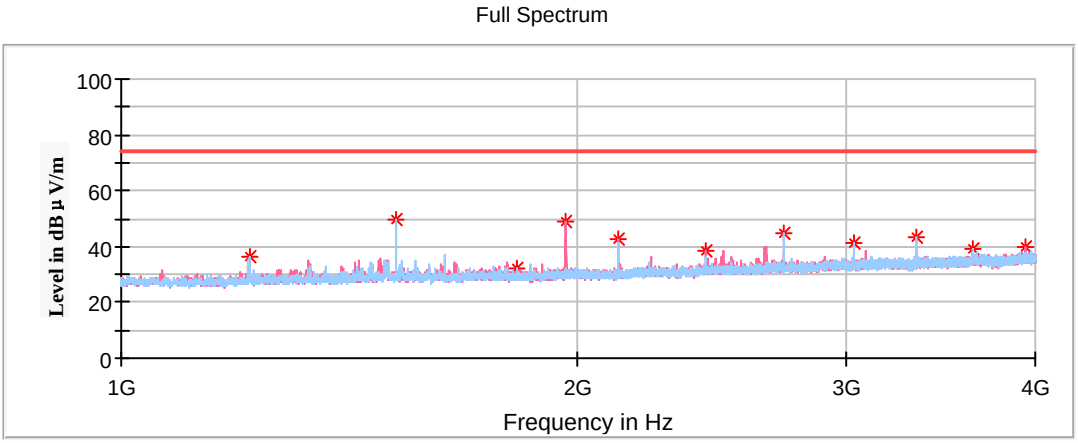
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	40.11	100	V	306	-18.0	54.91	14.80
99.71	40.22	100	V	0	-15.0	54.91	14.69
232.85	37.85	100	H	240	-13.7	54.91	17.06
303.50	86.40	100	H	55	-10.9	94.91	8.51
607.00	42.53	200	H	148	-5.4	74.91	32.38
910.50	37.18	100	H	55	0.4	74.91	37.73

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	86.40	100	H	-13.98	72.42	74.91	2.49
607.00	42.53	200	H	-13.98	28.55	54.91	26.36
910.50	37.18	100	H	-13.98	23.20	54.91	31.71

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1214.00	36.53	150	H	202	-17.9	54.00	17.47
1517.50	49.88	150	H	151	-16.3	54.00	4.12
1821.00	31.87	200	V	238	-15.1	54.91	23.04
1961.50	48.95	150	V	261	-14.6	54.91	5.96
2124.50	42.67	200	V	85	-14.0	54.91	12.24
2428.00	38.28	150	V	292	-12.7	54.91	16.63
2731.50	44.87	150	H	33	-11.3	54.00	9.13
3035.00	41.07	200	H	57	-10.0	54.91	13.84
3338.50	43.42	150	H	131	-9.2	54.00	10.58
3642.00	39.03	150	H	314	-8.3	54.00	14.97
3945.50	39.72	200	V	268	-7.2	54.00	14.28

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

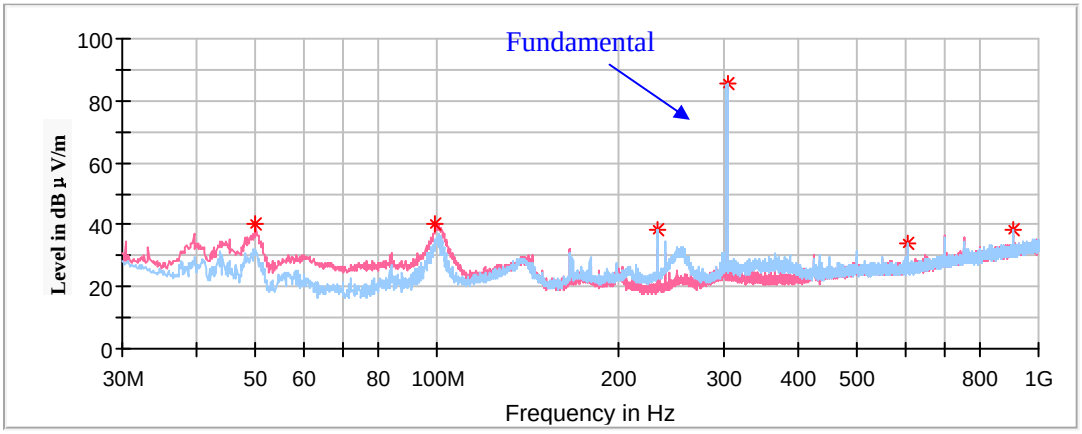
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 303.5MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



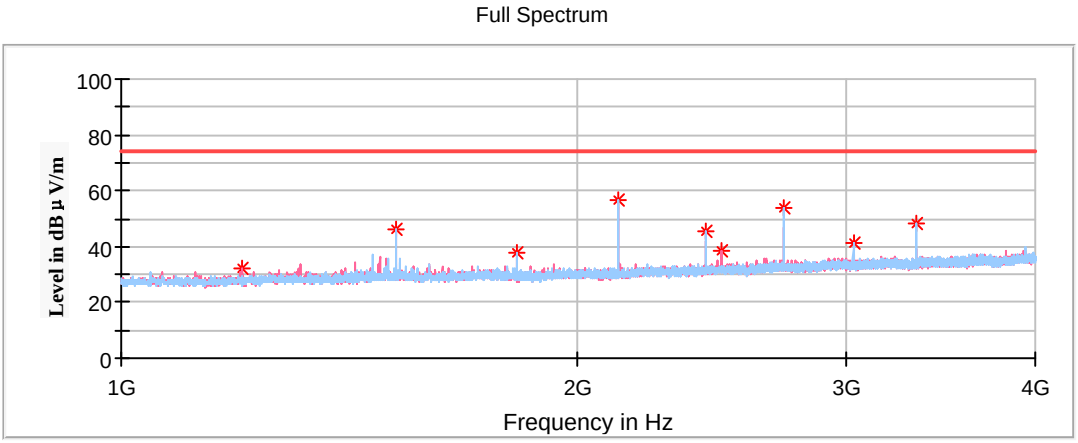
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
49.88	40.47	100	V	262	-17.9	54.91	14.44
99.59	40.29	100	V	21	-15.1	54.91	14.62
232.36	38.46	100	H	235	-13.7	54.91	16.45
303.50	85.31	100	H	42	-10.9	94.91	9.60
607.00	34.15	200	H	161	-5.4	74.91	40.76
910.50	38.25	100	H	59	0.4	74.91	36.66

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	85.31	100	H	-13.98	71.33	74.91	3.58
607.00	34.15	200	H	-13.98	20.17	54.91	34.74
910.50	38.25	100	H	-13.98	24.27	54.91	30.64

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1214.00	32.40	150	V	281	-18.0	74.00	41.60
1517.50	46.50	150	V	56	-16.3	74.00	27.50
1821.00	37.53	150	H	263	-15.1	74.91	37.38
2124.50	56.47	150	H	33	-14.0	74.91	18.44
2428.00	45.21	200	H	36	-12.7	74.91	29.70
2485.00	38.37	200	V	268	-12.5	74.00	35.63
2731.50	53.95	200	H	358	-11.3	74.00	20.05
3035.00	41.37	150	H	242	-10.0	74.91	33.54
3338.50	48.58	150	H	313	-9.2	74.00	25.42

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1214.00	32.40	150	V	-13.98	18.42	54.00	35.58
1517.50	46.50	150	V	-13.98	32.52	54.00	21.48
1821.00	37.53	150	H	-13.98	23.55	54.91	31.36
2124.50	56.47	150	H	-13.98	42.49	54.91	12.42
2428.00	45.21	200	H	-13.98	31.23	54.91	23.68
2485.00	38.37	200	V	-13.98	24.39	54.00	29.61
2731.50	53.95	200	H	-13.98	39.97	54.00	14.03
3035.00	41.37	150	H	-13.98	27.39	54.91	27.52
3338.50	48.58	150	H	-13.98	34.60	54.00	19.40

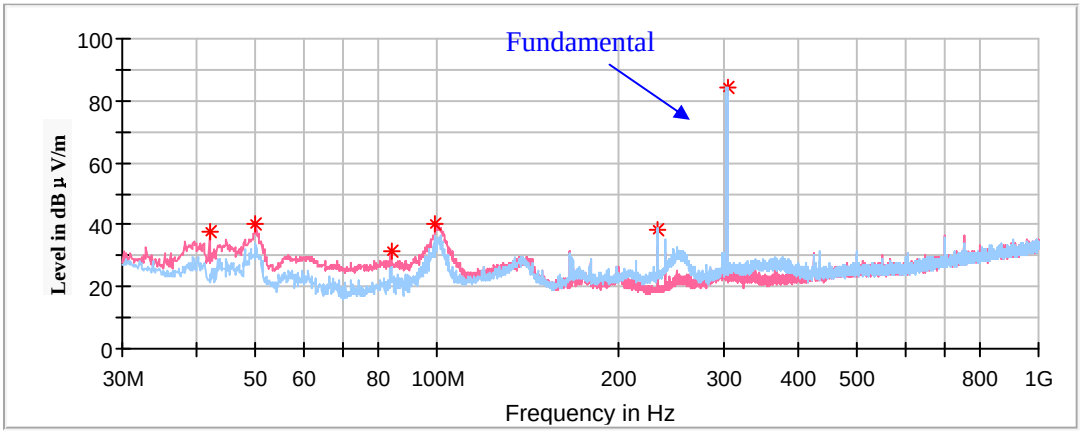
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Middle Channel: 303.5MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



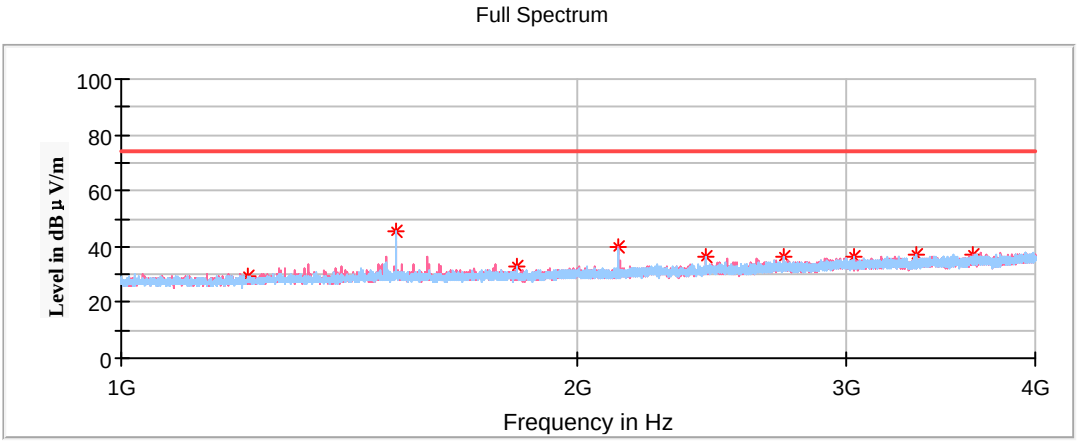
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
41.88	37.93	100	V	280	-12.50	54.91	16.98
50.00	39.96	100	V	284	-18.00	54.91	14.95
84.07	31.17	100	V	278	-17.90	54.91	23.74
99.59	40.32	100	V	358	-15.10	54.91	14.59
232.73	38.19	100	H	230	-13.70	54.91	16.72
303.50	84.58	100	H	41	-10.90	94.91	10.33

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	84.58	100	H	-13.98	70.60	74.91	4.31

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1214.00	29.05	150	H	319	-17.9	54.00	24.95
1517.50	45.17	200	H	138	-16.3	54.00	8.83
1821.00	32.64	150	H	0	-15.1	54.91	22.27
2124.50	39.64	200	V	131	-14.0	54.91	15.27
2428.00	36.34	200	H	138	-12.7	54.91	18.57
2731.50	36.51	200	H	179	-11.3	54.00	17.49
3035.00	36.13	150	H	53	-10.0	54.91	18.78
3338.50	37.20	200	H	159	-9.2	54.00	16.80
3642.00	36.72	200	V	11	-8.3	54.00	17.28

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

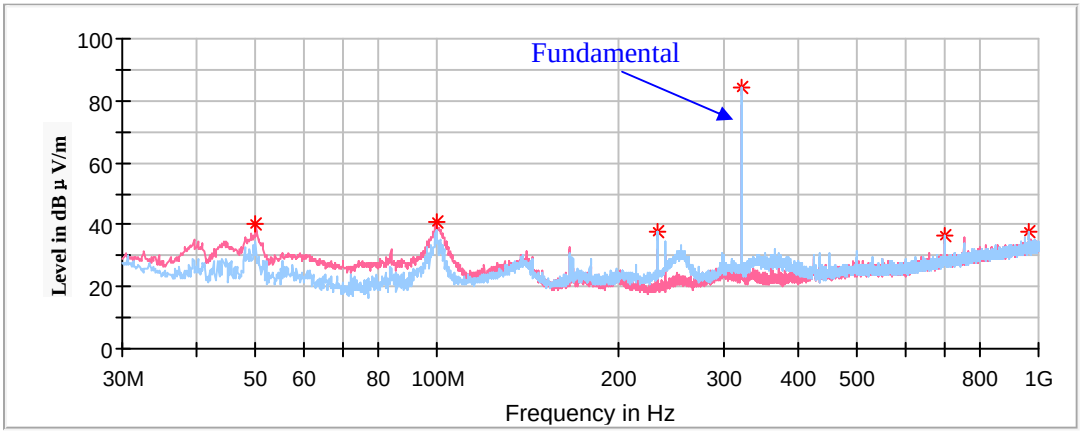
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



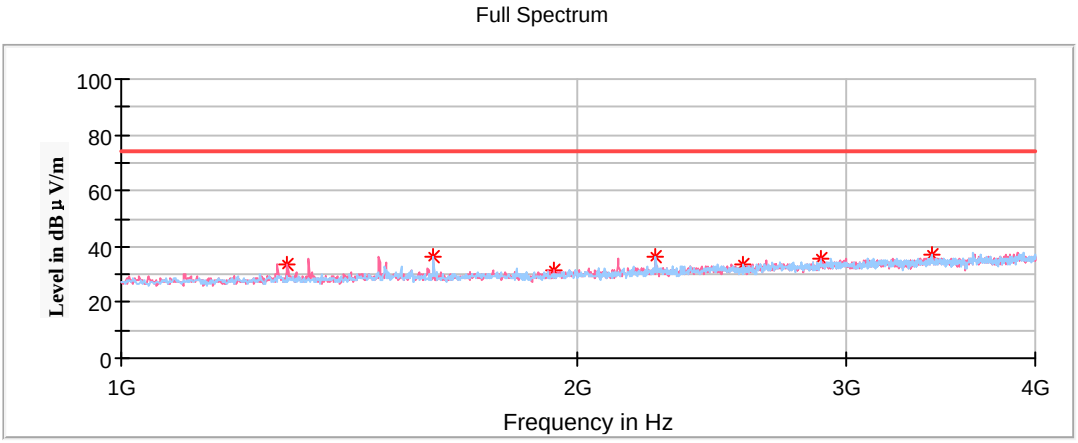
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	40.29	100	V	295	-18.0	56.00	15.71
99.71	40.70	100	V	356	-15.0	56.00	15.30
232.85	37.76	100	H	242	-13.7	56.00	18.24
321.50	84.13	100	H	309	-10.5	96.00	11.87
700.02	36.76	100	V	301	-3.0	56.00	19.24
964.50	37.72	100	H	200	1.4	54.00	16.28

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	84.13	100	H	-13.98	70.15	76.00	5.85

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1286.00	33.83	200	V	252	-17.5	56.00	22.17
1607.50	36.65	200	H	6	-16.0	54.00	17.35
1929.00	31.53	150	V	200	-14.7	56.00	24.47
2250.50	36.27	150	H	311	-13.4	54.00	17.73
2572.00	33.80	150	H	46	-12.1	56.00	22.20
2893.50	35.40	200	V	210	-10.6	54.00	18.60
3415.70	37.25	200	H	129	-9.0	56.00	18.75

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

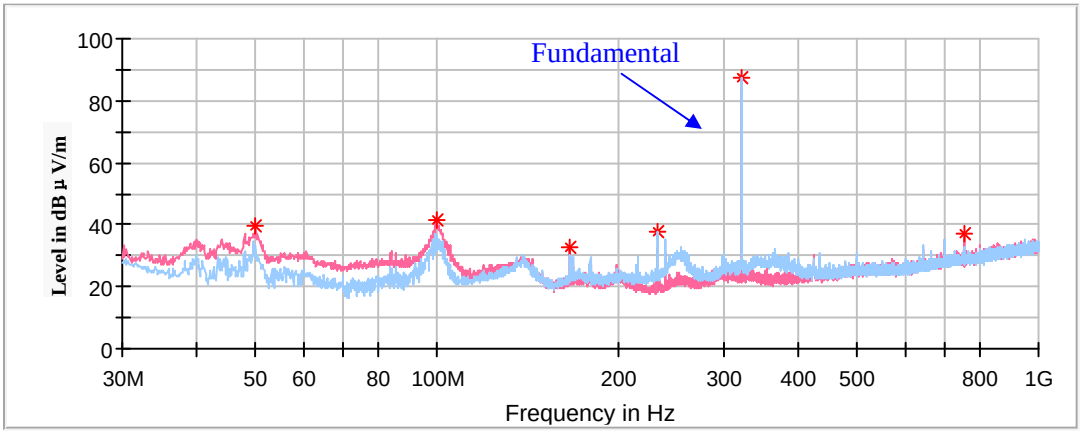
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



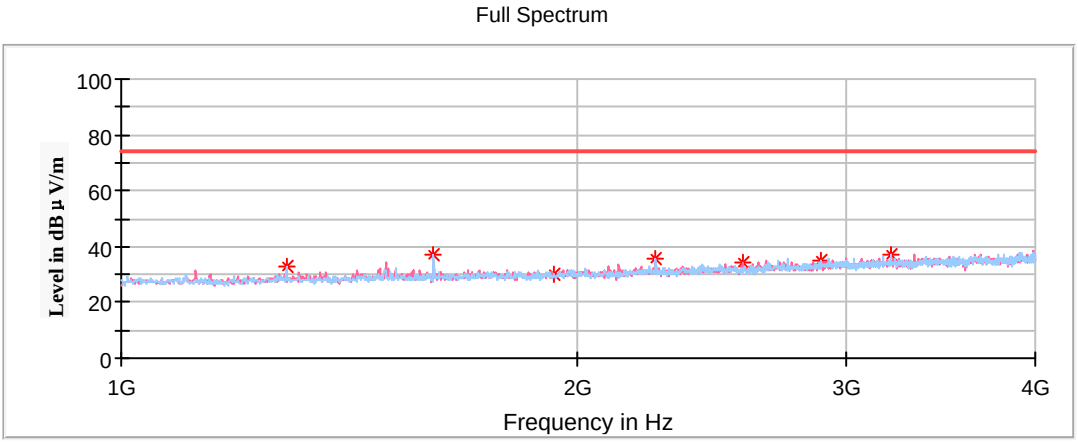
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.42	100	V	272	-18.0	56.00	16.58
99.71	41.45	100	V	34	-15.0	56.00	14.55
165.92	32.45	100	V	149	-13.0	43.50	11.05
232.36	37.61	200	H	230	-13.7	56.00	18.39
321.50	87.67	100	H	303	-10.5	96.00	8.33
750.10	36.83	100	V	284	-2.2	56.00	19.17

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	87.67	100	H	-13.98	73.69	76.00	2.31

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1286.00	32.64	200	H	203	-17.5	56.00	23.36
1607.50	36.93	200	H	171	-16.0	54.00	17.07
1929.00	30.14	200	H	358	-14.7	56.00	25.86
2250.50	35.47	150	H	172	-13.4	54.00	18.53
2572.00	34.52	150	V	156	-12.1	56.00	21.48
2893.50	35.22	200	H	75	-10.6	54.00	18.78
3215.00	36.86	200	H	97	-9.6	56.00	19.14

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

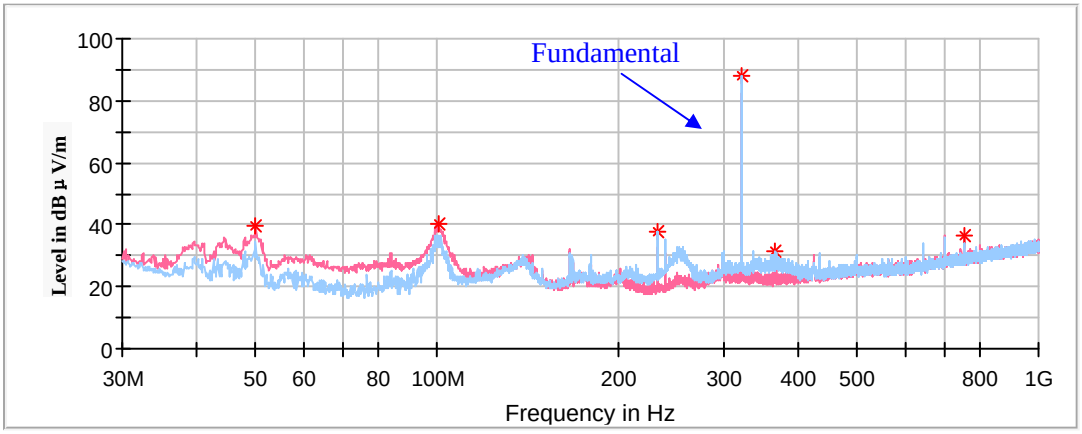
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



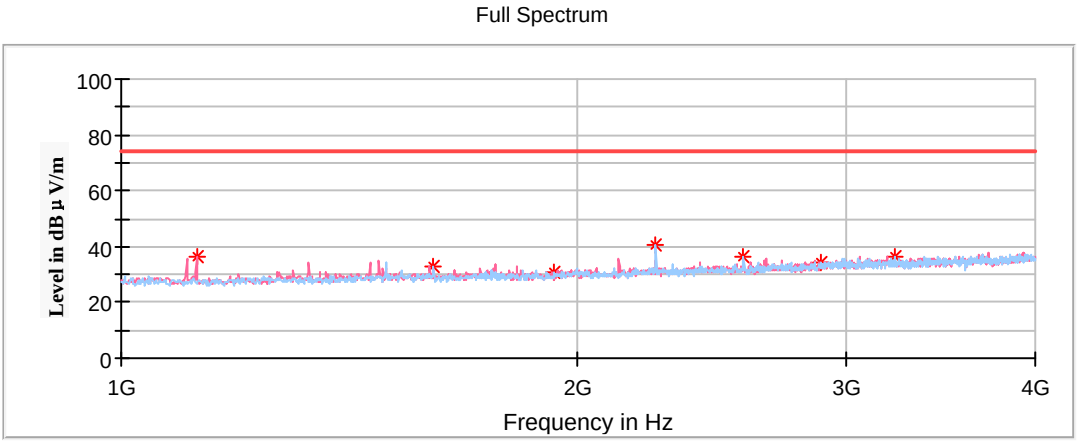
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.40	100	V	307	-18.0	56.00	16.60
100.00	40.51	100	V	2	-14.9	56.00	15.49
232.36	37.98	100	H	231	-13.7	56.00	18.02
321.50	88.34	100	H	299	-10.5	96.00	7.66
365.62	31.62	100	H	299	-9.4	76.00	44.38
750.10	36.69	100	V	171	-2.2	76.00	39.31

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	88.34	100	H	-13.98	74.36	76.00	1.64

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1120.70	36.52	200	V	199	-18.4	54.00	17.48
1607.50	33.11	150	H	151	-16.0	54.00	20.89
1929.00	31.05	200	H	354	-14.7	56.00	24.95
2250.50	40.90	200	H	132	-13.4	54.00	13.10
2572.00	36.09	200	H	1	-12.1	56.00	19.91
2893.50	34.21	200	H	203	-10.6	54.00	19.79
3215.00	36.59	200	H	358	-9.5	56.00	19.41

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

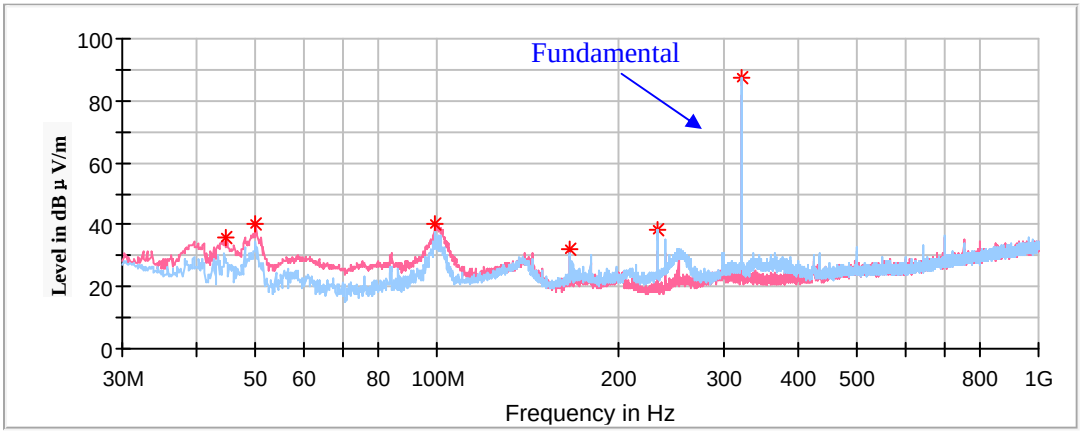
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



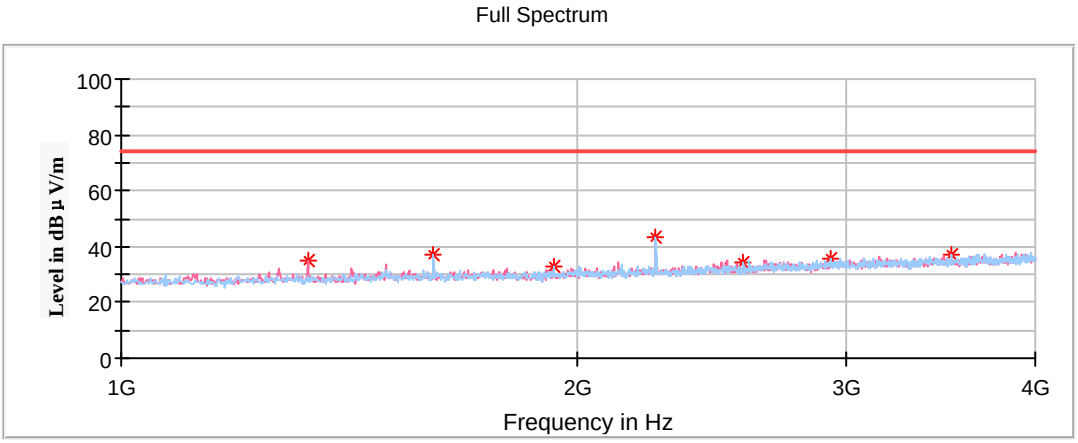
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
44.67	35.75	100	V	287	-14.4	56.00	20.25
50.00	40.53	100	V	215	-18.0	56.00	15.47
99.59	40.40	100	V	13	-15.1	56.00	15.60
166.28	31.90	100	V	154	-13.0	43.50	11.60
232.36	38.58	100	H	245	-13.7	56.00	17.42
321.50	87.57	100	H	300	-10.5	96.00	8.43

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	87.57	100	H	-13.98	73.59	76.00	2.41

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1326.40	35.29	200	V	226	-17.3	54.00	18.71
1607.50	36.86	200	H	125	-16.0	54.00	17.14
1929.00	33.07	150	H	338	-14.7	56.00	22.93
2250.50	43.46	150	H	348	-13.4	54.00	10.54
2572.00	34.09	200	H	114	-12.1	56.00	21.91
2893.50	35.61	150	H	36	-10.4	54.00	18.39
3536.50	36.86	150	H	157	-8.7	56.00	19.14

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

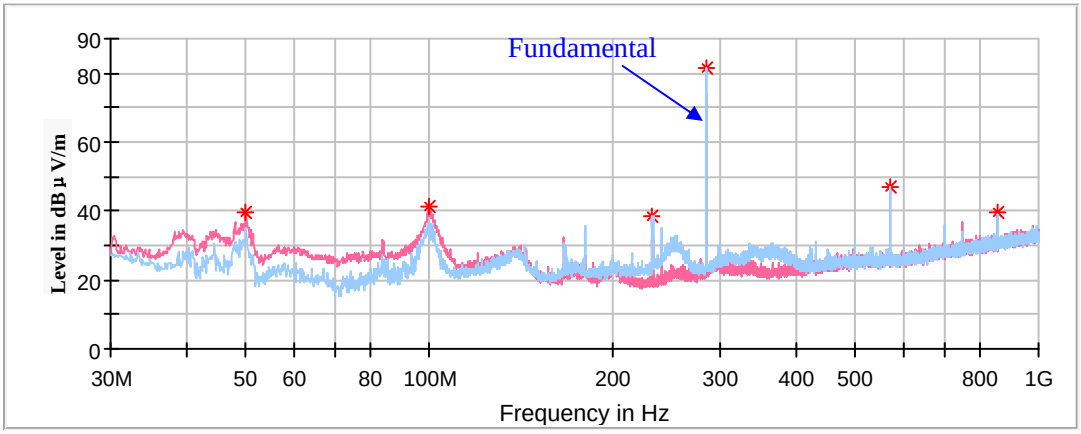
Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

For OOK Modulation:

Low Channel: 285.5MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



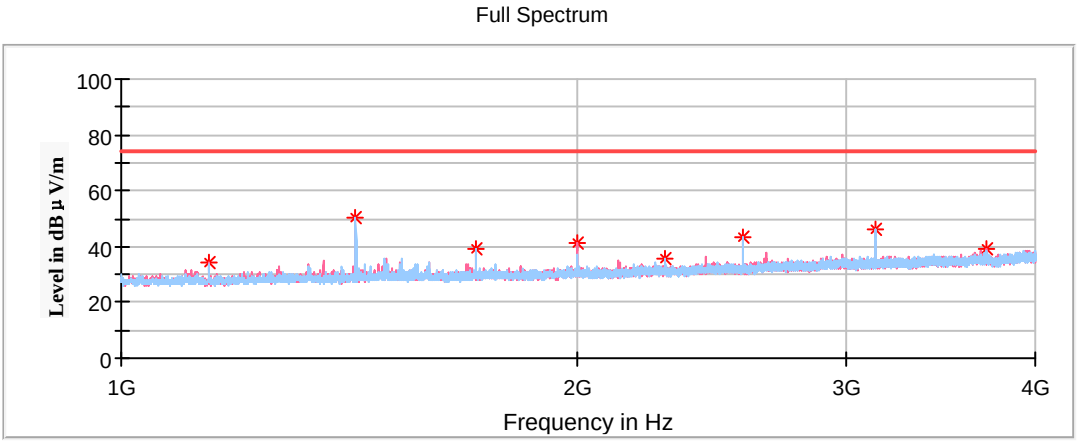
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.34	100	V	310	-18.0	53.65	14.31
99.71	41.42	100	V	20	-15.0	53.65	12.23
232.36	38.42	100	H	236	-13.7	53.65	15.23
285.50	81.36	100	H	284	-11.6	93.65	12.29
571.00	46.99	200	H	21	-5.7	73.65	26.66
856.50	39.46	100	V	298	-0.5	73.65	34.19

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	81.36	100	H	-13.98	67.38	73.65	6.27
571.00	46.99	200	H	-13.98	33.01	53.65	20.64
856.50	39.46	100	V	-13.98	25.48	53.65	28.17

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1142.00	34.57	150	V	84	-18.3	54.00	19.43
1427.50	50.23	200	H	359	-16.8	54.00	3.77
1713.00	39.31	200	H	344	-15.6	54.00	14.69
1998.50	41.38	200	V	276	-14.5	54.00	12.62
2284.00	35.61	150	H	0	-13.3	54.00	18.39
2569.50	43.33	200	H	64	-12.1	54.00	10.67
3140.50	46.41	150	H	0	-9.7	54.00	7.59
3711.40	38.94	200	V	26	-8.1	54.00	15.06

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

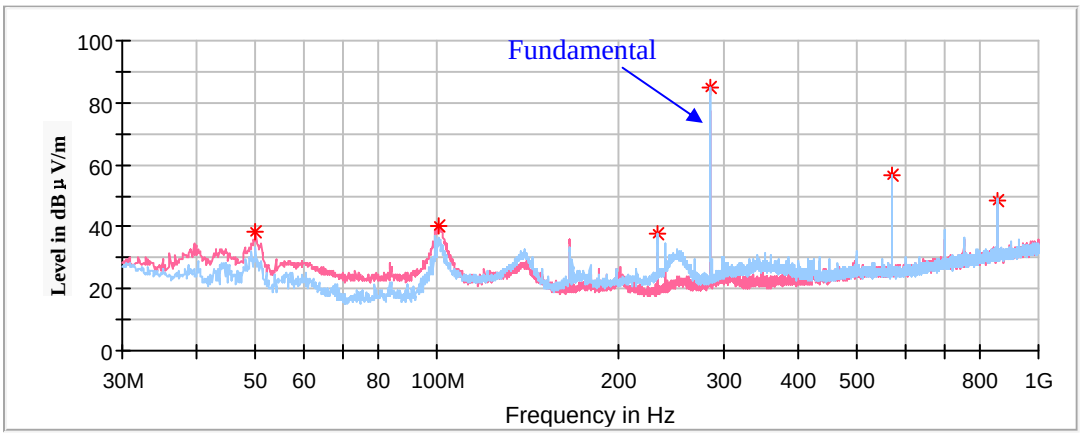
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 285.5MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



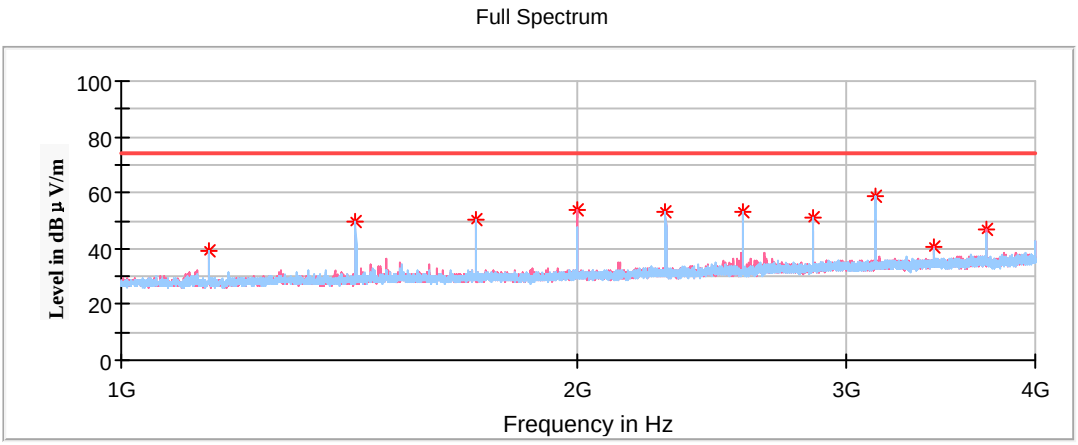
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.52	100	V	320	-18.0	53.65	15.13
100.93	40.50	100	V	15	-14.8	53.65	13.15
232.73	37.44	100	H	70	-13.7	53.65	16.21
285.50	84.92	100	H	70	-11.6	93.65	8.73
571.00	56.71	200	H	21	-5.7	73.65	16.94
856.50	48.43	100	V	298	-0.5	73.65	25.22

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	84.92	100	H	-13.98	70.94	73.65	2.71
571.00	56.71	200	H	-13.98	42.73	53.65	10.92
856.50	48.43	100	V	-13.98	34.45	53.65	19.20

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1142.00	39.37	150	H	144	-18.3	74.00	34.63
1427.50	49.47	200	H	359	-16.8	74.00	24.53
1713.00	50.52	200	H	181	-15.6	74.00	23.48
1998.50	53.82	200	V	275	-14.5	74.00	20.18
2284.00	52.92	150	H	154	-13.3	74.00	21.08
2569.50	52.89	150	V	298	-12.1	74.00	21.11
2855.00	51.10	200	H	11	-10.8	74.00	22.90
3140.50	58.59	150	H	73	-9.7	74.00	15.41
3426.00	40.50	150	V	267	-9	74.00	33.50
3711.50	46.81	200	V	265	-8	74.00	27.19

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1142.00	39.37	150	H	-13.98	25.39	54.00	28.61
1427.50	49.47	200	H	-13.98	35.49	54.00	18.51
1713.00	50.52	200	H	-13.98	36.54	54.00	17.46
1998.50	53.82	200	V	-13.98	39.84	54.00	14.16
2284.00	52.92	150	H	-13.98	38.94	54.00	15.06
2569.50	52.89	150	V	-13.98	38.91	54.00	15.09
2855.00	51.10	200	H	-13.98	37.12	54.00	16.88
3140.50	58.59	150	H	-13.98	44.61	54.00	9.39
3426.00	40.50	150	V	-13.98	26.52	54.00	27.48
3711.50	46.81	200	V	-13.98	32.83	54.00	21.17

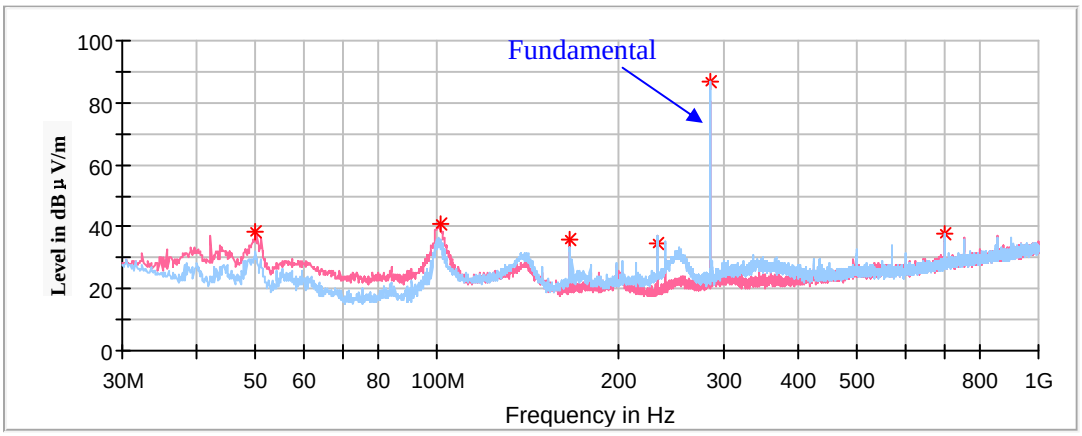
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Low Channel: 285.5MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



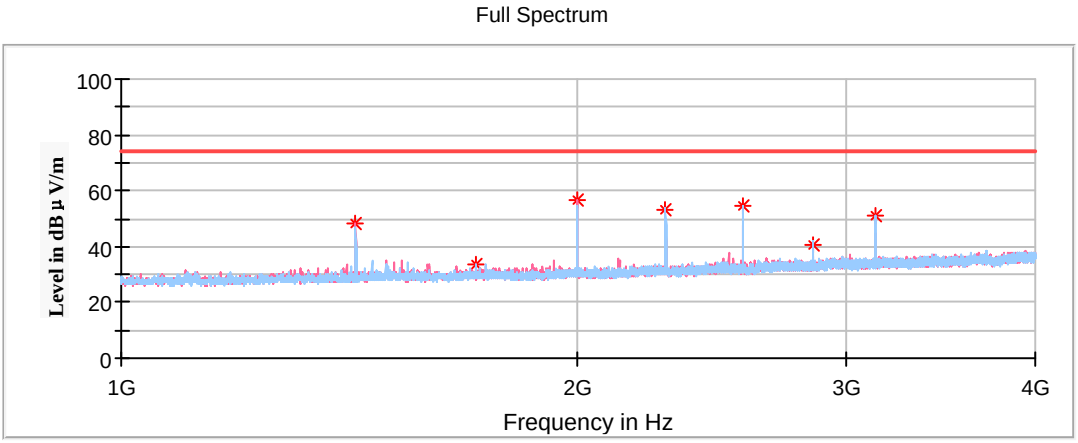
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.25	100	V	233	-18.0	53.65	15.40
101.41	40.63	100	V	78	-14.7	53.65	13.02
165.92	35.65	100	V	120	-13.0	43.50	7.85
232.48	34.41	200	H	231	-13.7	53.65	19.24
285.50	86.35	100	H	319	-11.6	93.65	7.30
700.02	37.85	200	H	182	-3.0	53.65	15.80

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	86.35	100	H	-13.98	72.37	73.65	1.28

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1427.50	48.41	150	V	285	-16.8	74.00	25.59
1713.00	33.59	200	V	294	-15.6	74.00	40.41
1998.50	56.64	150	V	203	-14.5	74.00	17.36
2284.00	53.46	150	H	53	-13.3	74.00	20.54
2569.50	54.45	200	H	16	-12.1	74.00	19.55
2855.00	40.31	150	H	247	-10.8	74.00	33.69
3140.50	51.14	200	H	189	-9.7	74.00	22.86

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1427.50	48.41	150	V	-13.98	34.43	54.00	19.57
1713.00	33.59	200	V	-13.98	19.61	54.00	34.39
1998.50	56.64	150	V	-13.98	42.66	54.00	11.34
2284.00	53.46	150	H	-13.98	39.48	54.00	14.52
2569.50	54.45	200	H	-13.98	40.47	54.00	13.53
2855.00	40.31	150	H	-13.98	26.33	54.00	27.67
3140.50	51.14	200	H	-13.98	37.16	54.00	16.84

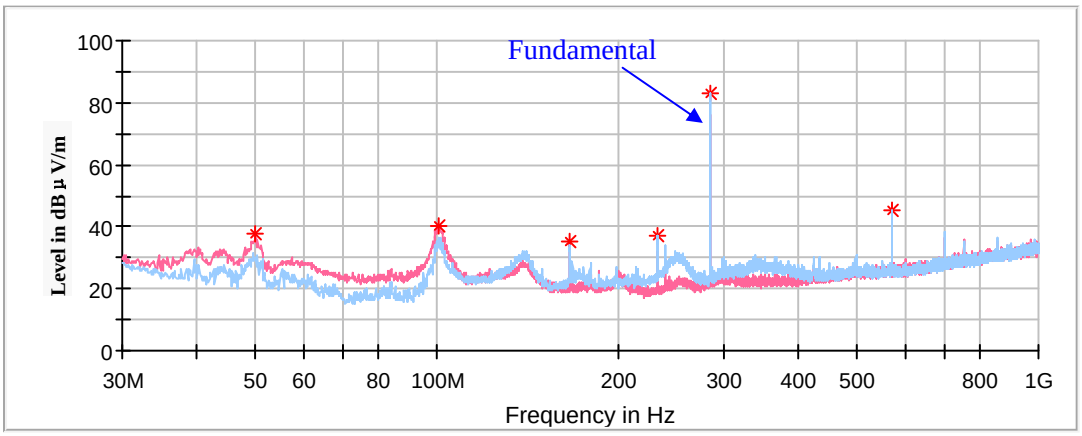
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Low Channel: 285.5MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



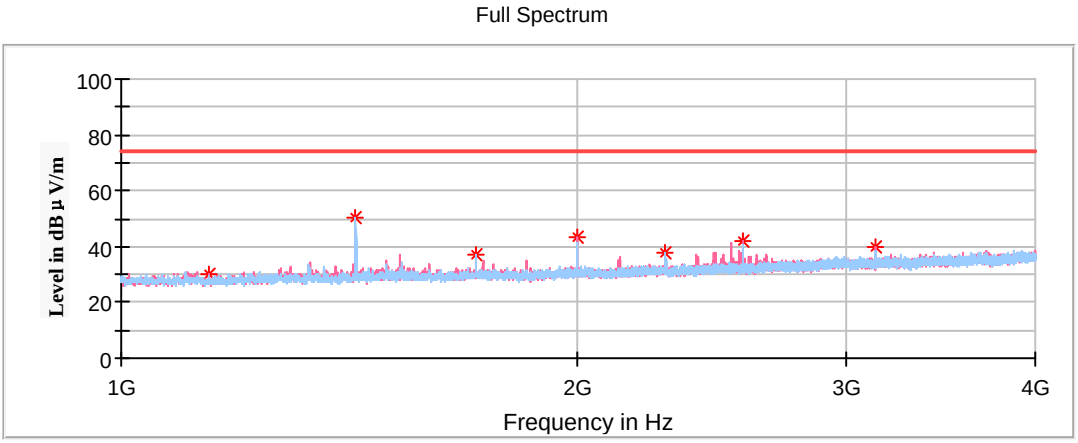
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.01	100	V	324	-18.00	53.65	15.64
100.81	40.57	100	V	355	-14.80	53.65	13.08
165.92	35.36	100	V	163	-13.00	43.50	8.14
232.36	37.24	100	H	230	-13.70	53.65	16.41
285.50	82.97	100	H	314	-11.60	93.65	10.68
571.00	45.31	200	H	172	-5.70	73.65	28.34

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
285.50	82.97	100	H	-13.98	68.99	73.65	4.66
571.00	45.31	200	H	-13.98	31.33	53.65	22.32

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1142.00	29.91	150	V	66	-18.3	54.00	24.09
1427.50	50.41	200	H	0	-16.8	54.00	3.59
1713.00	37.40	150	H	176	-15.6	54.00	16.60
1998.50	43.49	200	V	263	-14.5	54.00	10.51
2284.00	37.93	150	H	64	-13.3	54.00	16.07
2569.50	42.07	150	V	307	-12.1	54.00	11.93
3140.50	39.86	200	V	293	-9.7	54.00	14.14

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

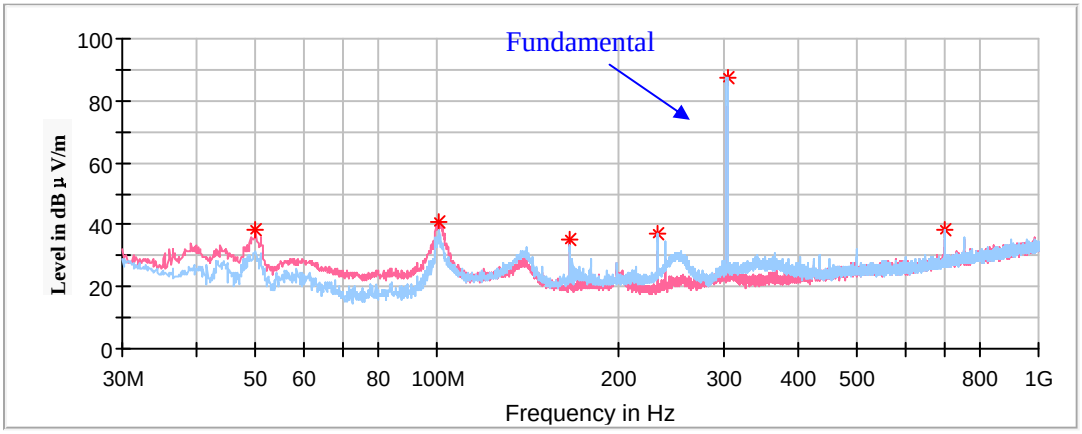
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 303.5MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



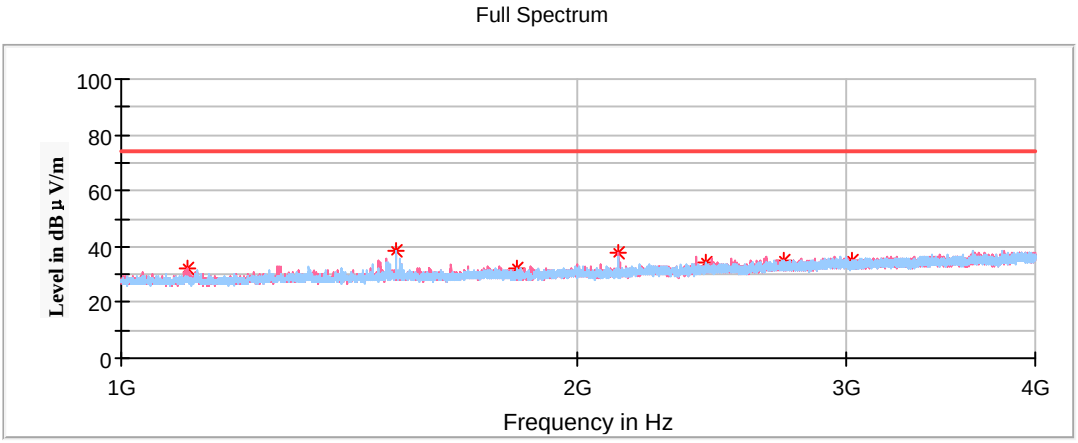
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.45	100	V	283	-18.0	54.91	16.46
101.05	41.13	100	V	15	-14.8	54.91	13.78
166.28	35.05	100	V	162	-13.0	43.50	8.45
232.36	36.99	100	H	62	-13.7	54.91	17.92
303.50	87.37	100	H	319	-10.9	94.91	7.54
700.02	38.47	200	H	168	-3.0	54.91	16.44

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	87.37	100	H	-13.98	73.39	74.91	1.52

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1104.70	31.96	150	V	112	-18.5	54.00	22.04
1517.50	38.72	200	V	242	-16.3	54.00	15.28
1821.00	32.36	150	H	347	-15.1	54.91	22.55
2124.50	37.92	150	V	317	-14	54.91	16.99
2428.00	33.94	200	H	67	-12.7	54.91	20.97
2731.50	34.98	150	H	53	-11.3	54.00	19.02
3035.00	34.69	150	H	186	-10	54.91	20.22

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

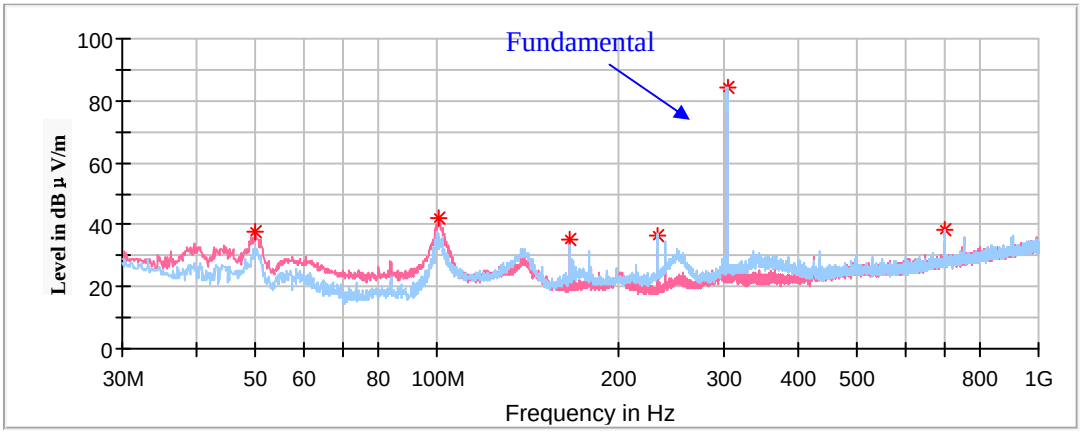
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 303.5MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



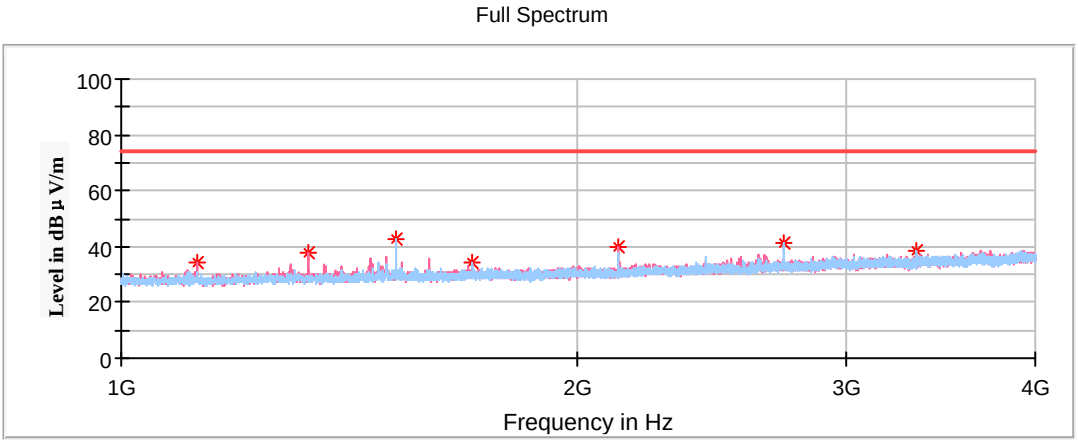
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.03	100	V	285	-18.0	54.91	16.88
101.05	41.83	100	V	77	-14.8	54.91	13.08
165.92	35.29	100	V	113	-13.0	43.50	8.21
232.73	36.27	100	H	82	-13.7	54.91	18.64
303.50	84.44	100	H	51	-10.9	94.91	10.47
700.02	38.66	200	H	162	-3.0	54.91	16.25

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	84.44	100	H	-13.98	70.46	74.91	4.45

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1121.50	34.03	150	V	200	-18.4	54.00	19.97
1329.40	37.58	150	V	271	-17.3	54.00	16.42
1517.50	42.38	200	H	184	-16.3	54.00	11.62
1704.70	34.28	150	H	272	-15.6	54.00	19.72
2124.50	40.17	200	V	287	-14	54.91	14.74
2731.50	40.95	200	H	72	-11.3	54.00	13.05
3338.50	38.44	150	H	323	-9.2	54.00	15.56

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

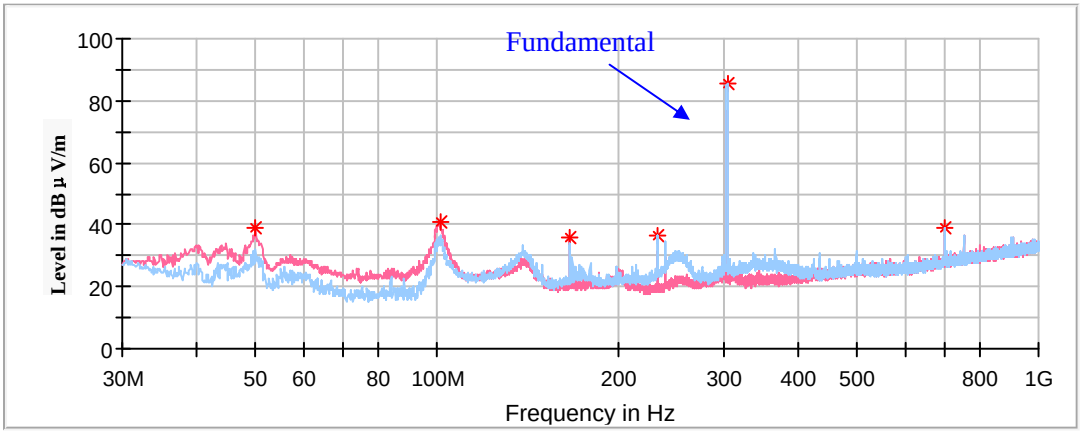
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 303.5MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



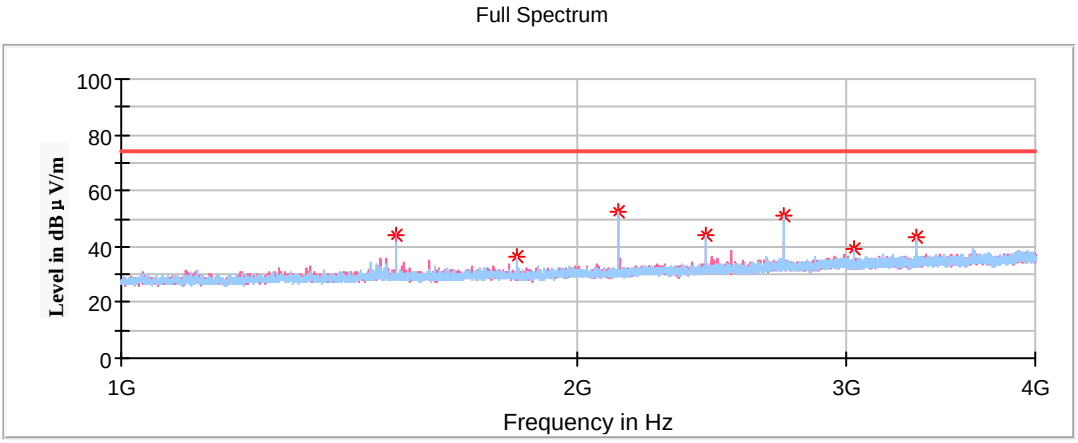
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.17	100	V	240	-18	54.91	15.74
101.29	40.73	100	V	62	-14.8	54.91	14.18
166.28	35.96	100	V	154	-13	43.50	7.54
232.85	36.59	100	H	258	-13.7	54.91	18.32
303.50	85.38	100	H	319	-10.9	94.91	9.53
700.02	38.99	200	H	173	-3	54.91	15.92

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	85.38	100	H	-13.98	71.40	74.91	3.51

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1517.50	44.40	200	V	242	-16.3	54.00	9.60
1821.00	36.16	200	H	143	-15.1	54.91	18.75
2124.50	52.66	150	H	206	-14	54.91	2.25
2428.00	44.36	200	H	358	-12.7	54.91	10.55
2731.50	51.30	150	H	11	-11.3	54.00	2.70
3035.00	39.06	200	H	265	-10	54.91	15.85
3338.50	43.63	150	H	333	-9.2	54.00	10.37

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

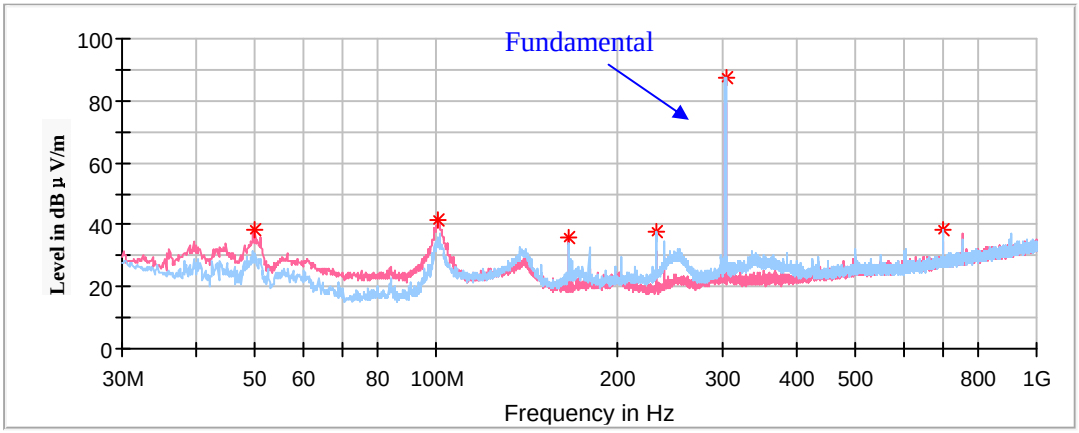
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 303.5MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



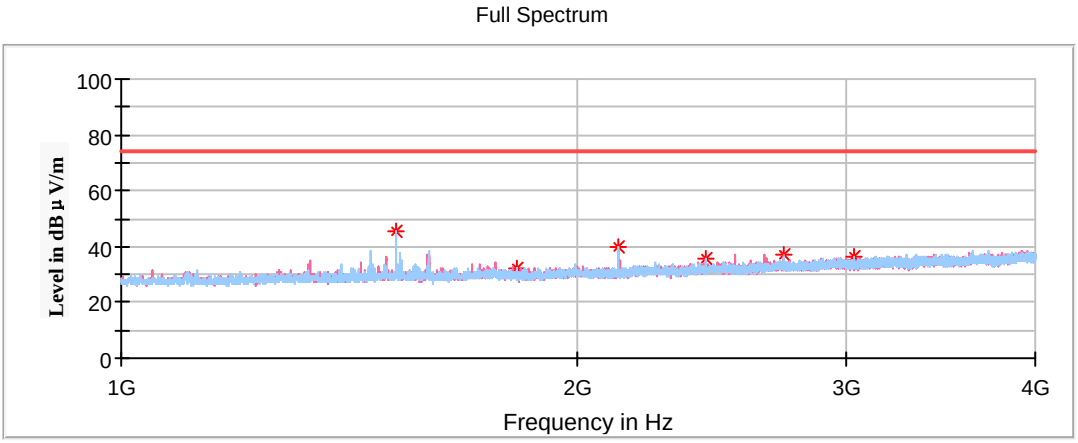
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
49.88	38.22	100	V	326	-17.90	54.91	16.69
100.68	41.62	100	V	261	-14.80	54.91	13.29
166.28	35.67	100	V	126	-13.00	43.50	7.83
232.36	37.56	100	H	255	-13.70	54.91	17.35
303.50	87.62	100	H	320	-10.90	94.91	7.29
700.02	38.14	200	H	163	-3.00	54.91	16.77

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
303.50	87.62	100	H	-13.98	73.64	74.91	1.27

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1517.50	45.41	200	H	174	-16.3	54.00	8.59
1821.00	32.44	200	H	215	-15.1	54.91	22.47
2124.50	39.94	150	V	215	-14	54.91	14.97
2428.00	35.46	200	V	53	-12.7	54.91	19.45
2731.50	37.08	200	V	303	-11.3	54.00	16.92
3035.00	36.25	150	H	257	-10	54.91	18.66

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

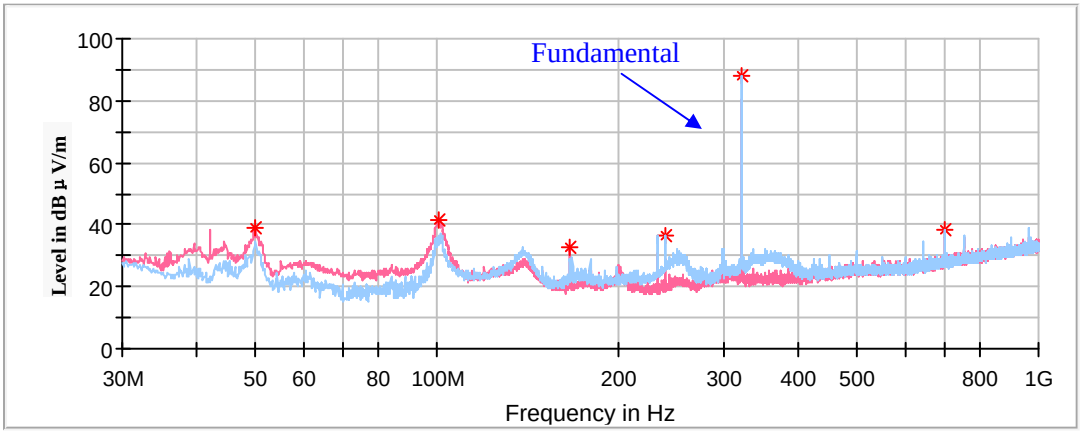
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



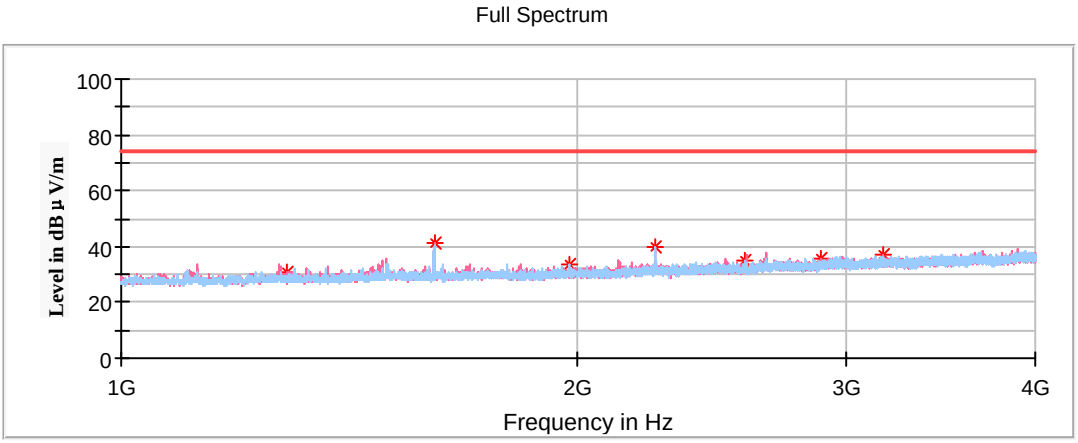
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.75	100	V	235	-18.0	56.00	17.25
100.93	41.20	100	V	103	-14.8	56.00	14.80
166.28	32.92	100	V	140	-13.0	43.50	10.58
240.00	36.68	100	H	85	-13.5	56.00	19.32
321.50	88.27	100	H	326	-10.5	96.00	7.73
964.50	38.47	200	H	161	-3.0	54.00	15.53

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	88.27	100	H	-13.98	74.29	76.00	1.71

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1286.00	30.54	200	V	74	-17.5	56.00	25.46
1607.50	41.45	150	V	286	-16.0	54.00	12.55
1929.00	33.31	200	H	276	-14.6	56.00	22.69
2250.50	40.07	200	H	0	-13.4	54.00	13.93
2572.00	34.71	150	H	48	-12.1	56.00	21.29
2893.50	35.38	150	V	153	-10.6	54.00	18.62
3178.00	36.79	200	V	356	-9.6	56.00	19.21

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

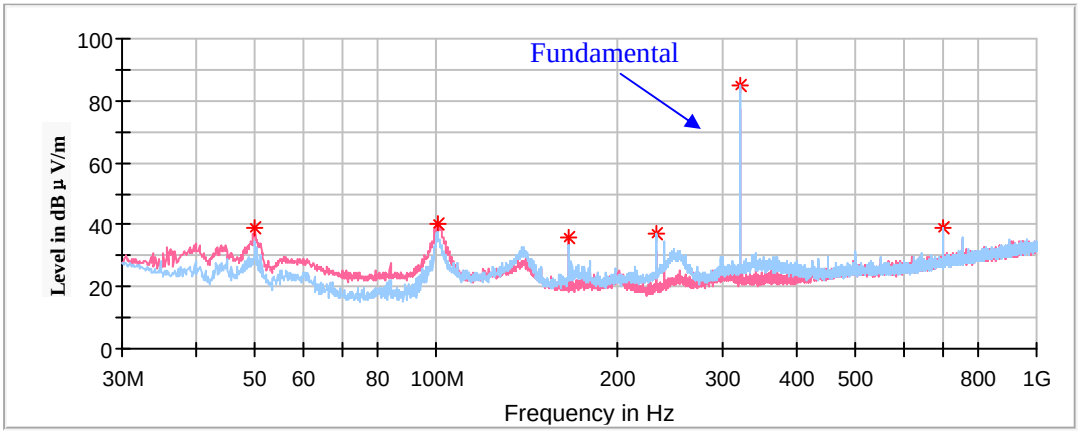
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



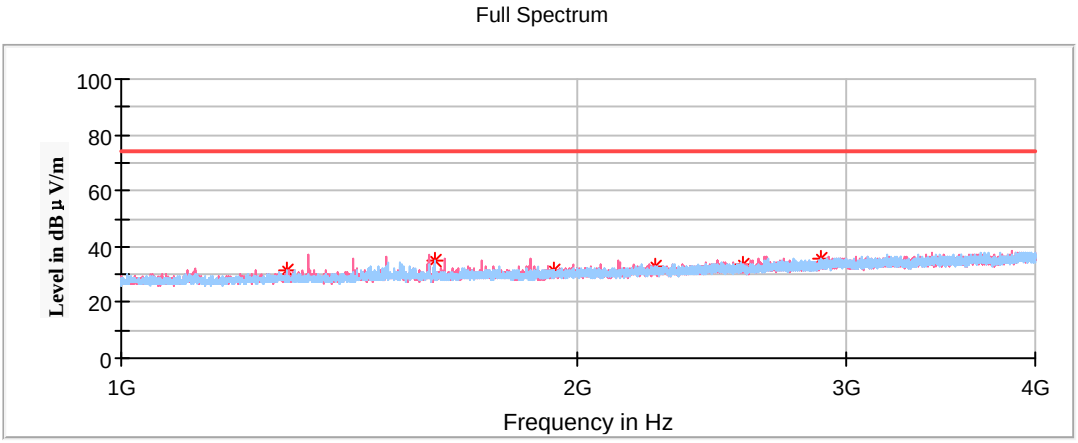
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.86	100	V	289	-18.0	56.00	17.14
100.93	40.49	100	V	339	-14.8	56.00	15.51
165.92	35.83	100	V	124	-13.0	43.50	7.67
232.85	37.25	100	H	251	-13.7	56.00	18.75
321.50	85.05	100	H	67	-10.5	96.00	10.95
700.02	39.02	200	H	173	-3.0	56.00	16.98

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	85.05	100	H	-13.98	71.07	76.00	4.93

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1286.00	31.76	150	H	207	-17.5	56.00	24.24
1607.50	35.29	200	H	169	-16.0	54.00	18.71
1929.00	31.32	150	V	317	-14.7	56.00	24.68
2250.50	32.96	200	V	252	-13.4	54.00	21.04
2572.00	33.51	150	H	308	-12.1	56.00	22.49
2893.50	35.83	150	H	114	-10.6	54.00	18.17

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

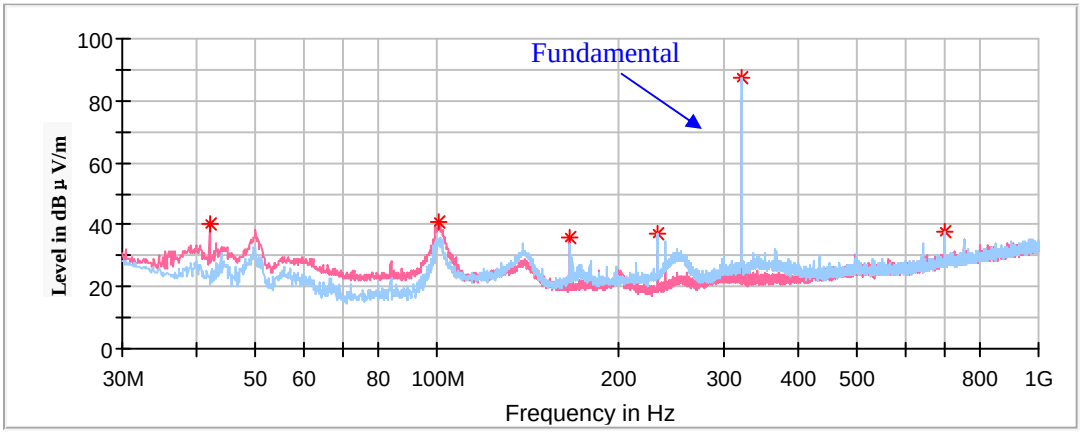
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



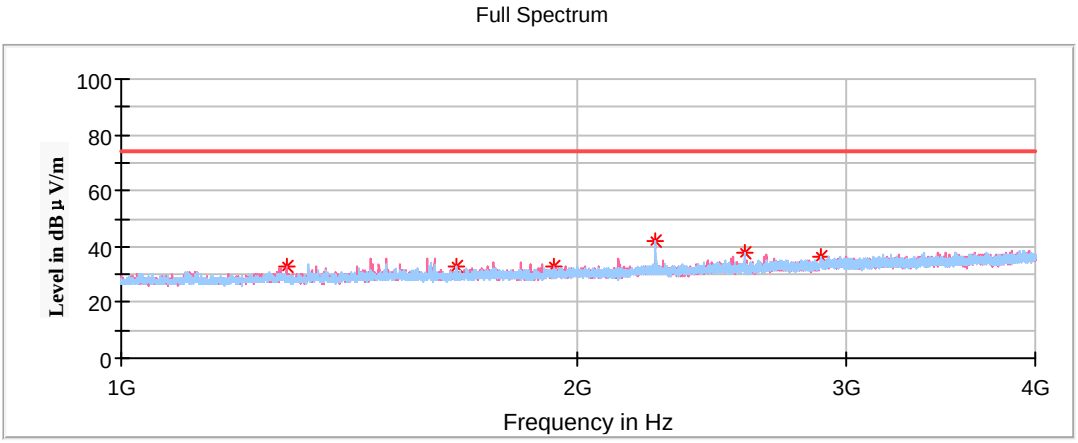
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
41.88	40.51	100	V	243	-12.5	56.00	15.49
100.68	40.70	100	V	0	-14.8	56.00	15.30
165.92	35.78	100	V	151	-13.0	43.50	7.72
232.36	37.06	100	H	69	-13.7	56.00	18.94
321.50	87.17	100	H	50	-10.5	96.00	8.83
700.02	37.61	200	H	177	-3.0	56.00	18.39

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	87.17	100	H	-13.98	73.19	76.00	2.81

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1286.00	32.58	150	V	296	-17.5	56.00	23.42
1607.50	32.82	200	H	180	-15.7	54.00	21.18
1929.00	32.61	150	V	265	-14.7	56.00	23.39
2250.50	41.69	150	H	43	-13.4	54.00	12.31
2572.00	37.60	200	H	9	-12.1	56.00	18.40
2893.50	36.22	200	H	292	-10.6	54.00	17.78

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

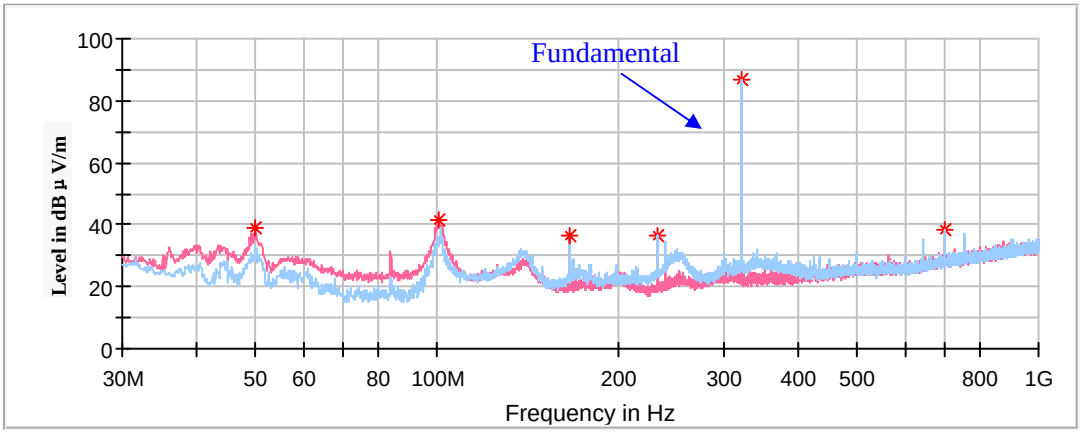
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 321.5MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



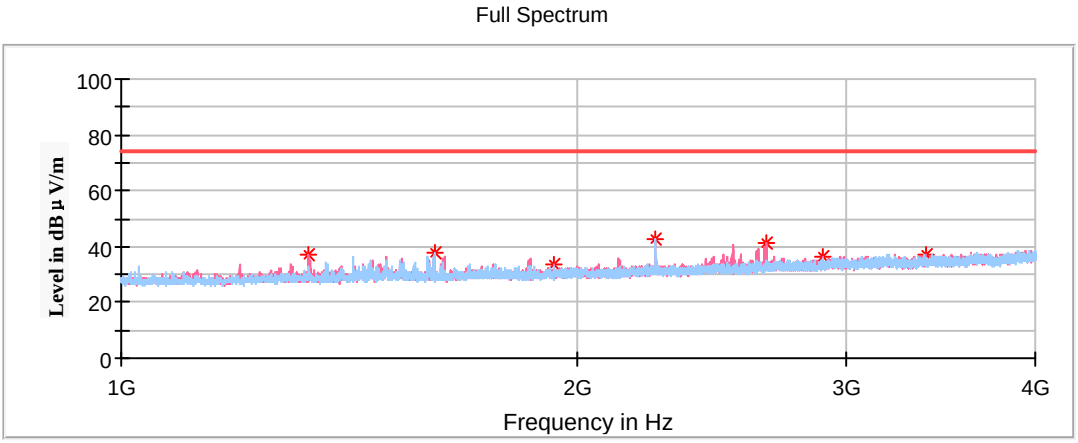
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.90	100	V	266	-18.00	56.00	17.10
100.68	41.47	100	V	314	-14.80	56.00	14.53
166.28	36.32	100	V	163	-13.00	43.50	7.18
232.36	36.77	100	H	241	-13.70	56.00	19.23
321.50	87.04	100	H	56	-10.50	96.00	8.96
700.02	38.56	200	H	169	-3.00	56.00	17.44

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
321.50	87.04	100	H	-13.98	73.06	76.00	2.94

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1328.80	36.78	200	V	282	-17.3	54.00	17.22
1607.50	38.01	200	H	164	-16.0	54.00	15.99
1929.00	33.81	200	V	272	-14.7	56.00	22.19
2250.50	42.90	150	H	359	-13.4	54.00	11.10
2572.00	41.07	200	V	261	-11.7	56.00	14.93
2893.50	36.05	200	V	36	-10.6	54.00	17.95
3215.00	37.11	150	V	189	-9.1	56.00	18.89

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

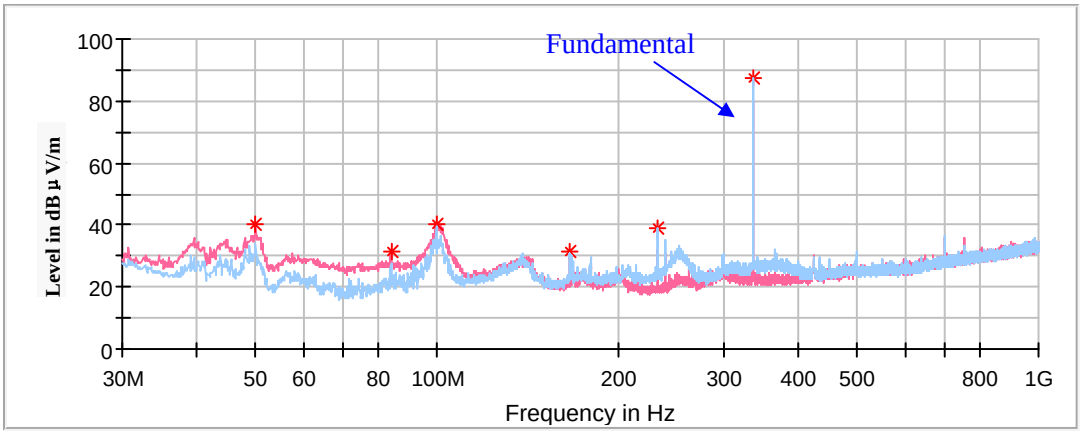
For 350MHz Band:

For GFSK Modulation:

Low Channel: 336.00MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



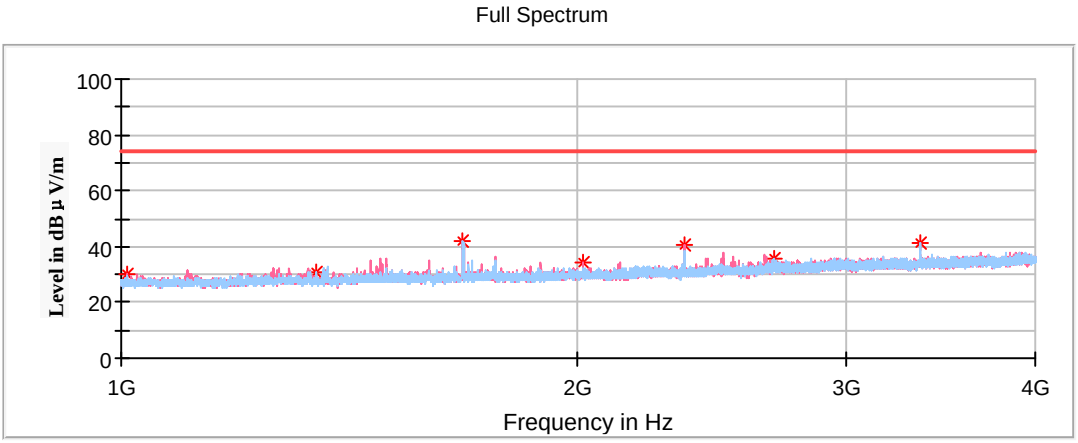
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	40.21	100	V	276	-18.0	56.80	16.59
84.00	31.32	200	V	271	-17.9	56.80	25.48
99.71	40.20	100	V	64	-15.0	56.80	16.60
166.28	31.73	100	V	123	-13.0	43.50	11.77
232.85	38.79	100	H	237	-13.7	56.80	18.01
336.00	87.49	100	H	299	-10.2	96.80	9.31

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	87.49	100	H	-13.98	73.51	76.80	3.29

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1008.00	30.19	150	V	0	-19.0	54.00	23.81
1344.00	30.50	150	H	0	-17.2	54.00	23.50
1680.00	42.12	150	V	276	-15.7	54.00	11.88
2016.00	34.18	150	V	61	-14.4	56.80	22.62
2352.00	40.39	150	V	112	-13.0	56.80	16.41
2688.00	35.82	150	H	32	-11.5	56.80	20.98
3360.00	41.31	150	H	144	-9.2	56.80	15.49

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

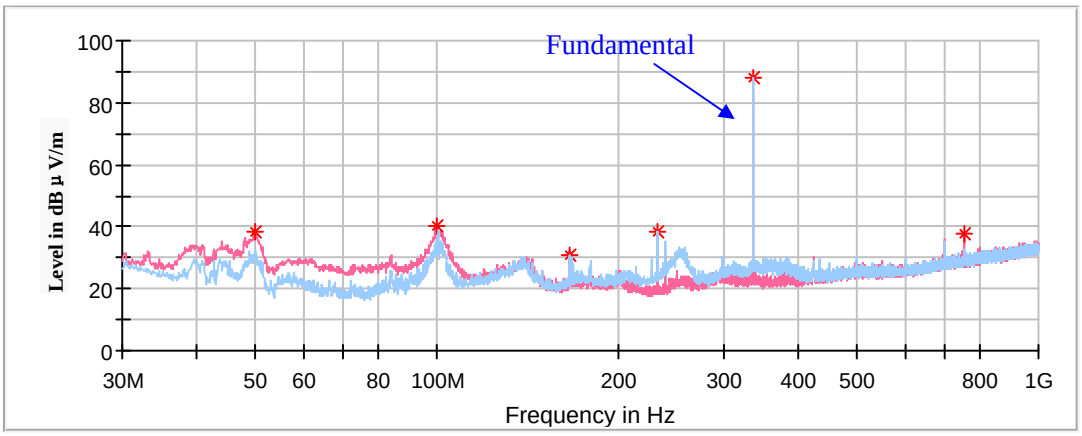
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 336.00MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



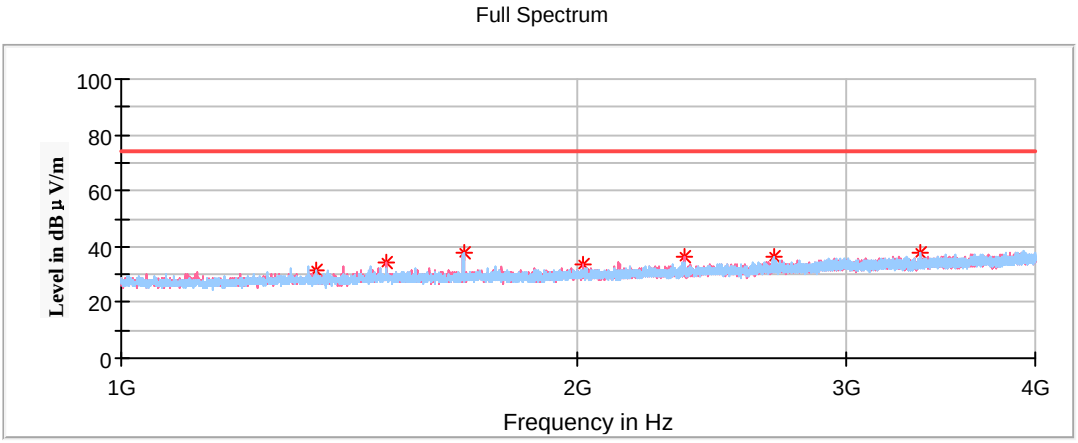
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.50	100	V	352	-18.0	56.80	18.30
99.71	40.44	100	V	27	-15.0	56.80	16.36
166.04	31.11	100	V	125	-13.0	43.50	12.39
232.36	38.33	100	H	244	-13.7	56.80	18.47
336.00	87.77	100	H	59	-10.2	96.80	9.03
750.10	37.45	100	V	307	-2.2	56.80	19.35

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	87.77	100	H	-13.98	73.79	76.80	3.01

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1344.00	31.31	150	H	359	-17.2	54.00	22.69
1494.70	34.45	150	V	160	-16.4	54.00	19.55
1680.00	37.81	150	H	120	-15.7	54.00	16.19
2016.00	33.41	150	V	79	-14.4	56.80	23.39
2352.00	36.03	150	V	109	-13.0	54.00	17.97
2688.00	36.41	150	H	37	-11.5	56.80	20.39
3360.00	37.90	150	H	130	-9.2	56.80	18.90

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

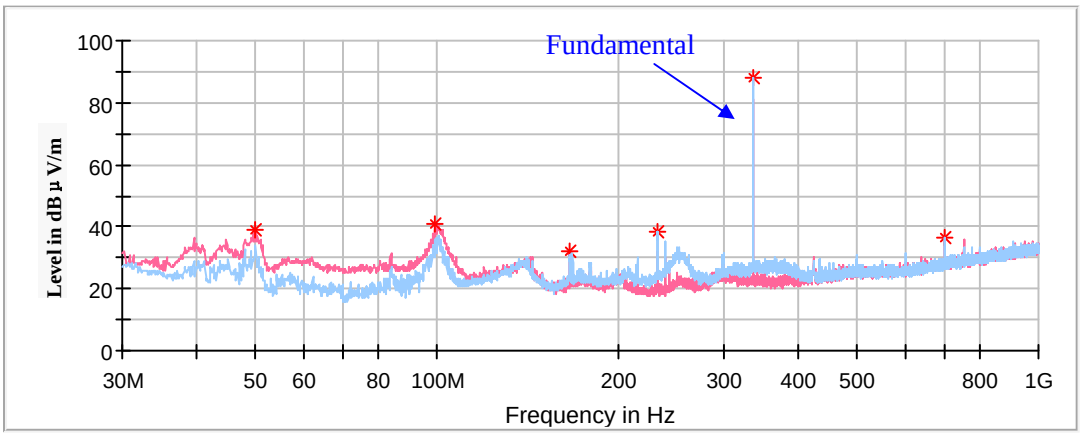
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 336.00MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



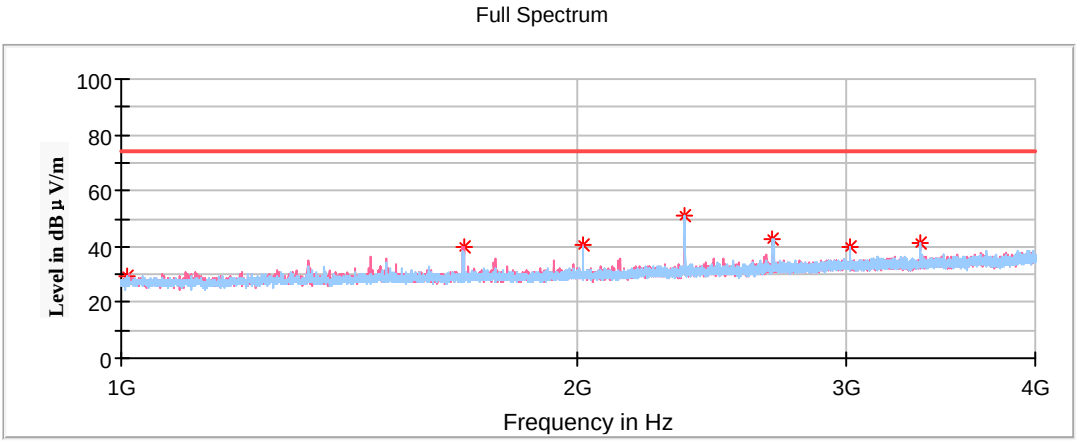
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.15	100	V	257	-18.0	56.80	17.65
99.59	40.80	100	V	78	-15.1	56.80	16.00
166.28	32.19	100	V	115	-13.0	43.50	11.31
232.36	38.42	100	H	237	-13.7	56.80	18.38
336.00	88.35	100	H	298	-10.2	96.80	8.45
700.02	36.24	200	H	173	-3.0	56.80	20.56

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	88.35	100	H	-13.98	74.37	76.80	2.43

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1008.00	29.43	150	V	251	-19.0	54.00	24.57
1680.00	39.90	150	V	271	-15.7	54.00	14.10
2016.00	40.75	150	V	190	-14.4	56.80	16.05
2352.00	51.17	150	H	43	-13.0	54.00	2.83
2688.00	42.81	150	H	11	-11.5	56.80	13.99
3024.00	39.63	150	H	196	-10.0	56.80	17.17
3360.00	41.02	150	H	175	-9.2	56.80	15.78

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

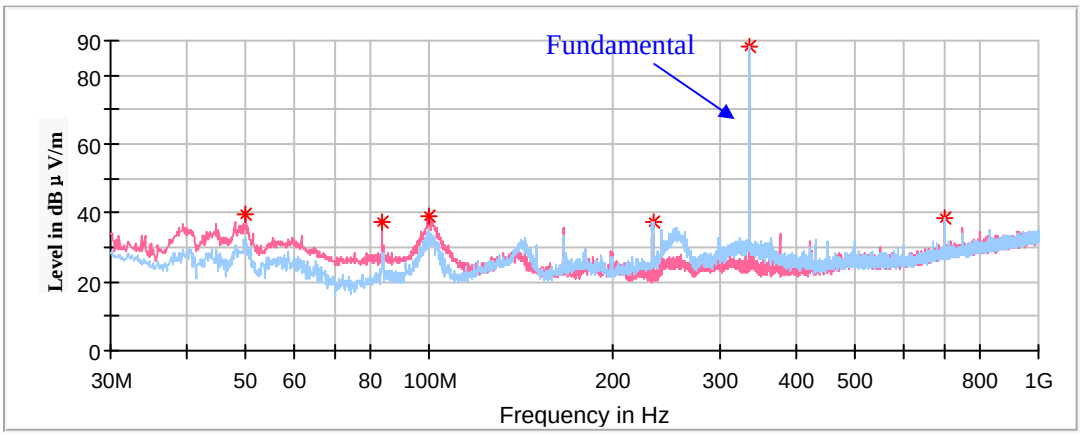
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 336.00MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



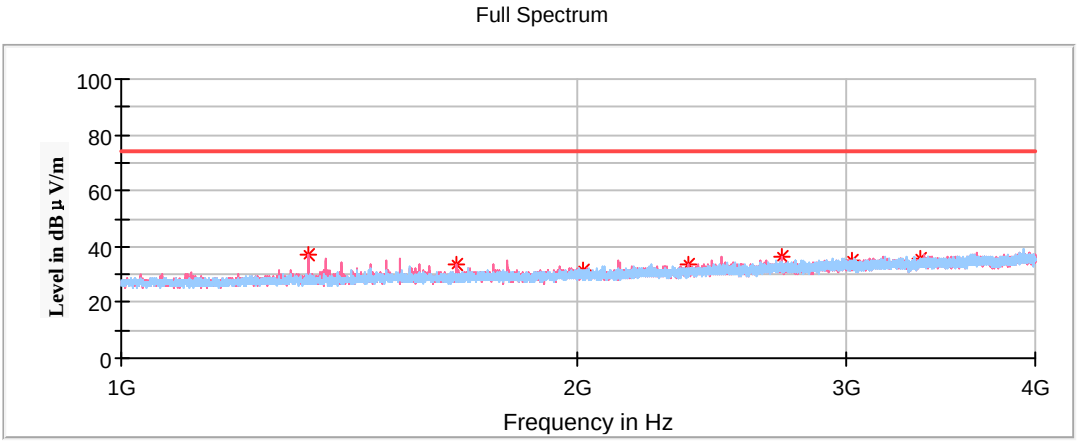
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.56	100	V	322	-18.0	56.80	17.24
83.83	37.34	100	V	210	-17.9	56.80	19.46
99.71	39.31	100	V	82	-15.0	56.80	17.49
232.85	37.61	200	H	259	-13.7	56.80	19.19
336.00	88.05	100	H	289	-10.2	96.80	8.75
700.00	38.63	200	H	172	-3.0	56.80	18.17

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	88.05	100	H	-13.98	74.07	76.80	2.73

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1344.00	37.18	150	V	256	-17.3	54.00	16.82
1680.00	33.36	150	V	266	-15.7	54.00	20.64
2016.00	31.69	150	H	318	-14.4	56.80	25.11
2352.00	33.52	150	V	42	-13.0	54.00	20.48
2688.00	36.36	150	V	297	-11.4	56.80	20.44
3024.00	35.13	150	V	175	-10.0	56.80	21.67
3360.00	35.53	150	V	93	-9.2	56.80	21.27

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

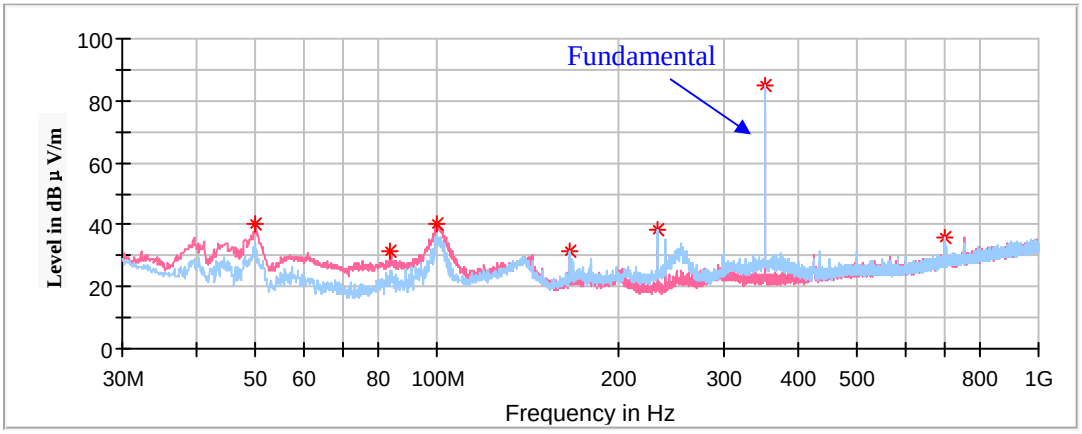
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



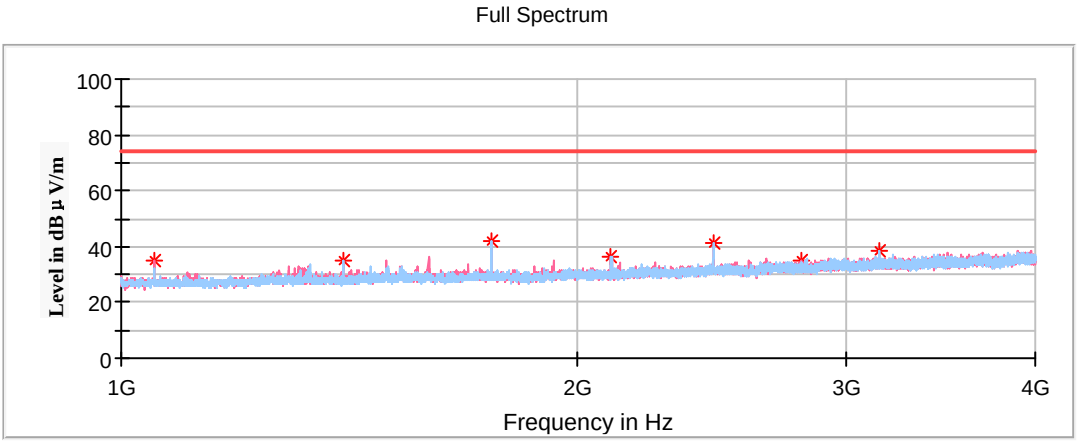
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	40.22	100	V	284	-18.0	57.53	17.31
83.83	31.58	200	V	235	-17.9	57.53	25.95
99.71	40.46	100	V	4	-15.0	57.53	17.07
166.16	31.38	100	V	155	-13.0	43.50	12.12
232.73	38.58	100	H	236	-13.7	57.53	18.95
350.00	85.06	100	H	304	-9.8	97.53	12.47
701.00	36.13	200	H	176	-3.0	77.53	41.40

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	85.06	100	H	-13.98	71.08	77.53	6.45
701.00	36.13	200	H	-13.98	22.15	57.53	35.38

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1051.50	35.00	150	V	82	-18.8	54.00	19.00
1402.00	35.11	150	H	145	-16.9	54.00	18.89
1752.50	42.09	150	H	0	-15.4	57.53	15.44
2103.00	36.35	150	H	175	-14	57.53	21.18
2453.50	41.10	150	H	165	-12.6	57.53	16.43
2804.00	34.89	150	V	328	-11	54.00	19.11
3154.50	38.53	150	H	333	-9.7	57.53	19.00

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

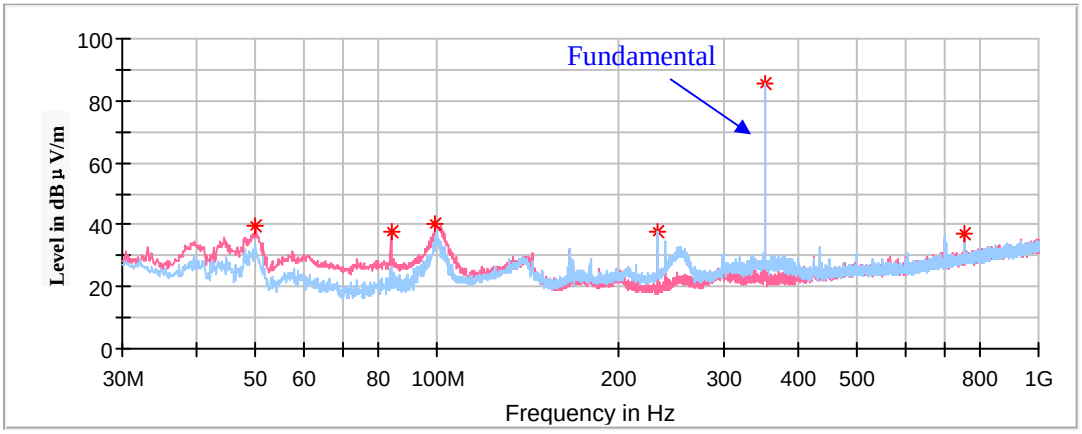
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



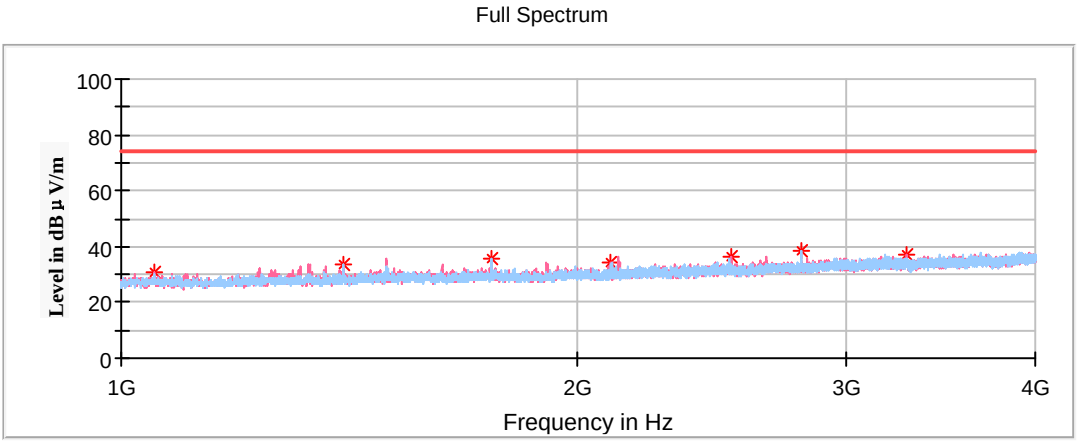
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.55	100	V	260	-18.0	57.53	17.98
84.07	37.77	100	V	241	-17.9	57.53	19.76
99.59	40.13	100	V	45	-15.1	57.53	17.40
232.85	37.91	100	H	230	-13.7	57.53	19.62
350.50	85.56	100	H	85	-9.8	97.53	11.97
750.10	37.22	100	V	303	-2.2	57.53	20.31

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	85.56	100	H	-13.98	71.58	77.53	5.95

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1051.50	30.74	150	V	77	-18.8	54.00	23.26
1402.00	33.61	150	H	154	-16.9	54.00	20.39
1752.50	35.34	150	H	0	-15.4	57.53	22.19
2103.00	34.16	150	V	108	-14.0	57.53	23.37
2523.10	36.43	150	V	291	-12.3	57.53	21.10
2804.00	38.32	150	H	32	-11.0	54.00	15.68
3291.40	37.14	150	V	358	-9.4	57.53	20.39

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

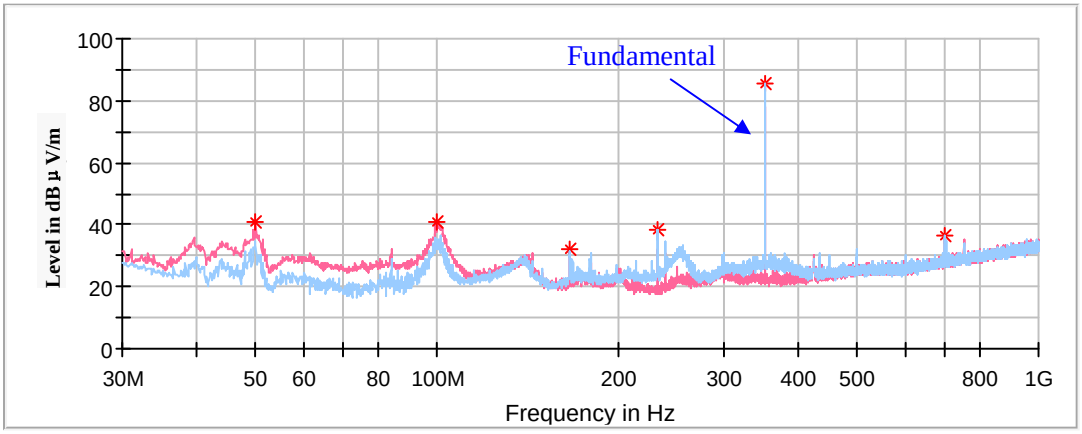
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



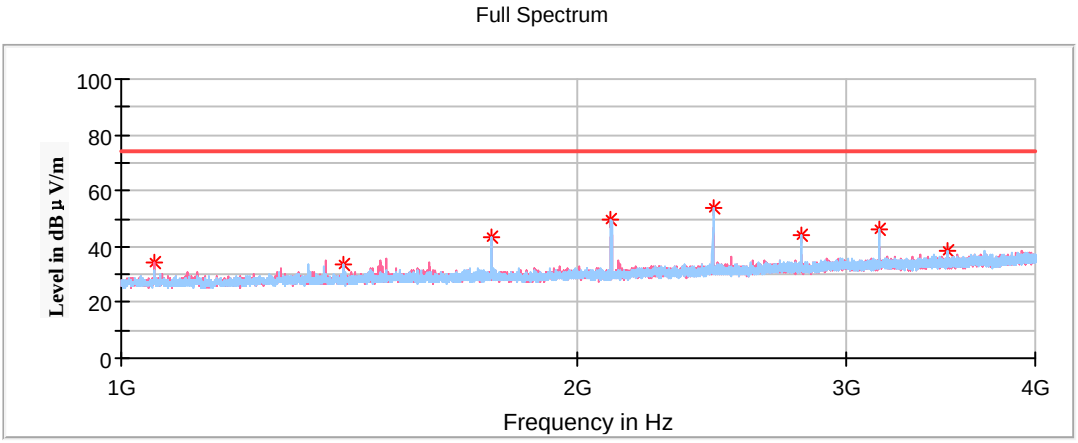
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	40.63	100	V	264	-18.0	57.53	16.90
99.71	40.85	100	V	10	-15.0	57.53	16.68
165.92	32.14	100	V	156	-13.0	43.50	11.36
232.36	38.53	100	H	238	-13.7	57.53	19.00
350.00	85.79	100	H	306	-9.8	97.53	11.74
701.00	36.50	200	H	188	-3.0	77.53	41.03

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	85.79	100	H	-13.98	71.81	77.53	5.72
701.00	36.50	200	H	-13.98	22.52	57.53	35.01

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1051.50	34.52	150	V	82	-18.8	54.00	19.48
1402.00	33.62	150	V	71	-16.9	54.00	20.38
1752.50	43.54	150	H	257	-15.4	57.53	13.99
2103.00	49.54	150	H	115	-14.0	57.53	7.99
2453.50	53.88	150	H	43	-12.6	57.53	3.65
2804.00	43.96	150	H	358	-11.0	54.00	10.04
3154.50	45.88	150	H	227	-9.7	57.53	11.65
3505.00	38.56	150	H	329	-8.8	57.53	18.97

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

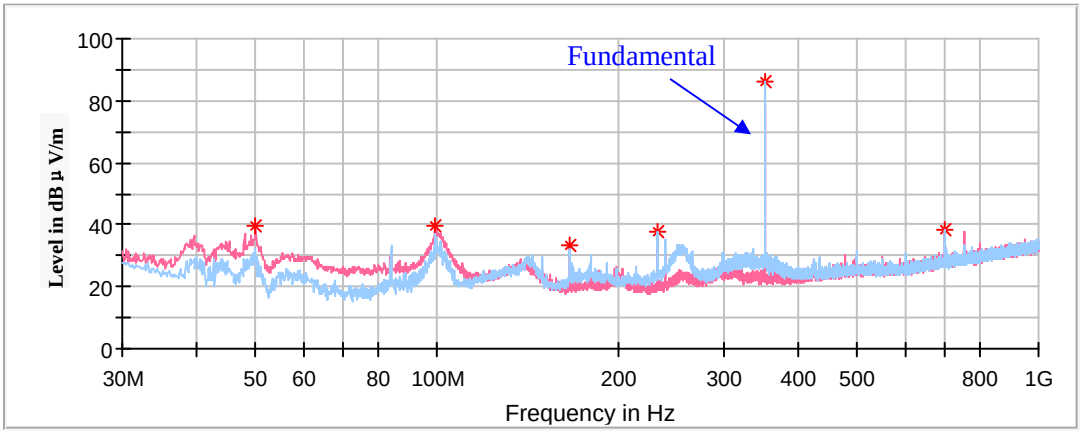
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



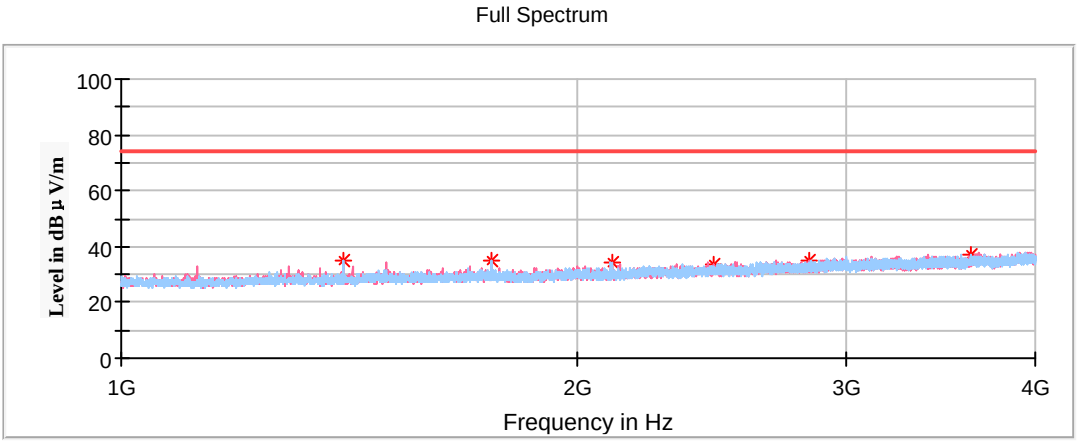
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.33	100	V	261	-18.0	57.53	18.20
99.59	39.61	100	V	340	-15.1	57.53	17.92
166.28	33.43	100	V	139	-13.0	43.50	10.07
232.36	37.56	100	H	240	-13.7	57.53	19.97
350.50	86.06	100	H	300	-9.8	97.53	11.47
701.00	38.24	200	H	190	-3.0	77.53	39.29

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	86.06	100	H	-13.98	72.08	77.53	5.45
701.00	38.24	200	H	-13.98	24.26	57.53	33.27

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1402.00	34.78	150	H	356	-16.9	54.00	19.22
1752.50	35.20	150	H	28	-15.4	57.53	22.33
2103.00	34.50	150	H	356	-14.0	57.53	23.03
2453.50	33.46	150	V	78	-12.6	57.53	24.07
2804.00	34.98	150	V	159	-10.8	54.00	19.02
3627.10	37.17	150	H	139	-8.4	54.00	16.83

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

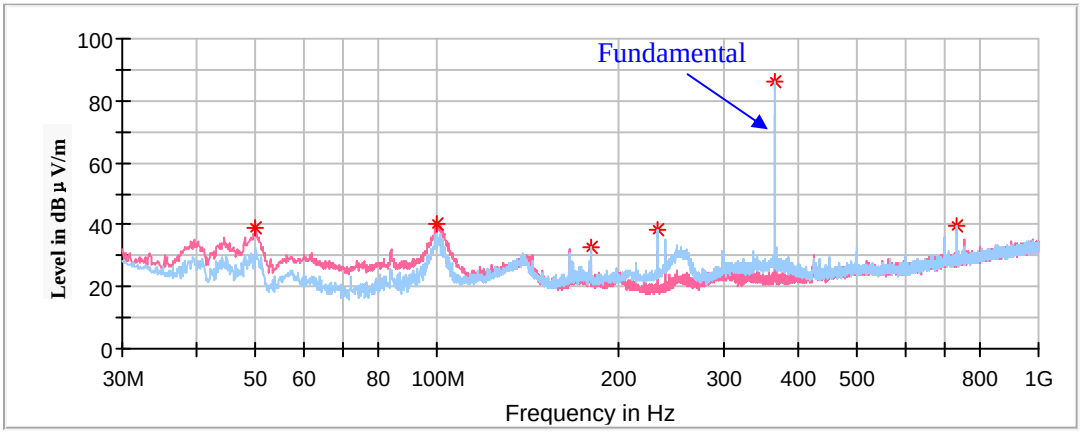
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 364.99MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



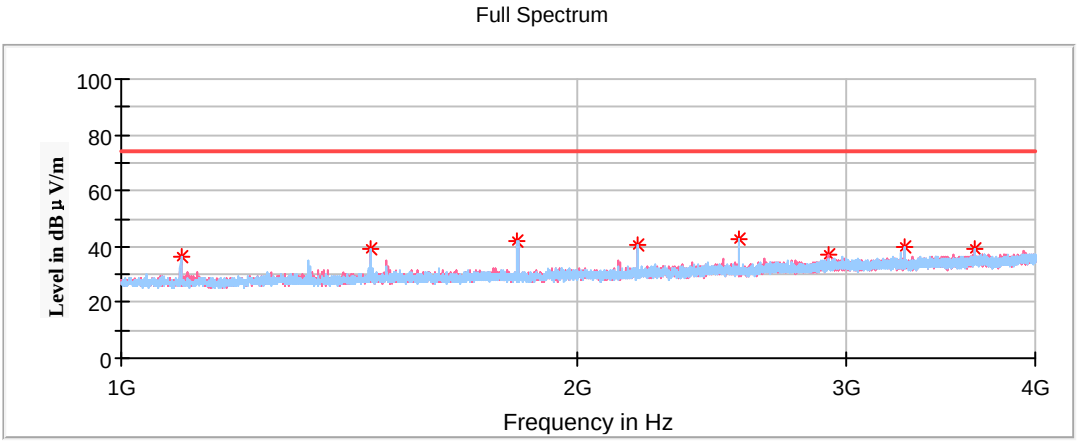
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	37.82	100	V	308	-18.0	58.20	20.38
83.83	36.20	100	V	88	-17.9	58.20	22.00
99.59	40.04	100	V	350	-15.1	58.20	18.16
232.36	36.71	100	H	234	-13.7	58.20	21.49
364.99	85.19	100	H	314	-9.5	98.20	13.01
729.98	36.56	100	H	307	-2.6	78.20	41.64

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	85.19	100	H	-13.98	71.21	78.20	6.99
729.98	36.56	100	H	-13.98	22.58	58.20	35.62

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1094.97	36.54	150	H	343	-18.6	54.00	17.46
1459.96	38.82	150	H	135	-16.6	54.00	15.18
1824.95	42.24	150	H	356	-15.1	58.20	15.96
2189.94	40.34	150	H	155	-13.7	58.20	17.86
2554.93	42.41	150	H	43	-12.2	58.20	15.79
2919.92	36.79	150	V	296	-10.5	58.20	21.41
3284.91	39.94	150	H	2	-9.4	58.20	18.26
3649.90	38.85	150	V	265	-8.3	54.00	15.15

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

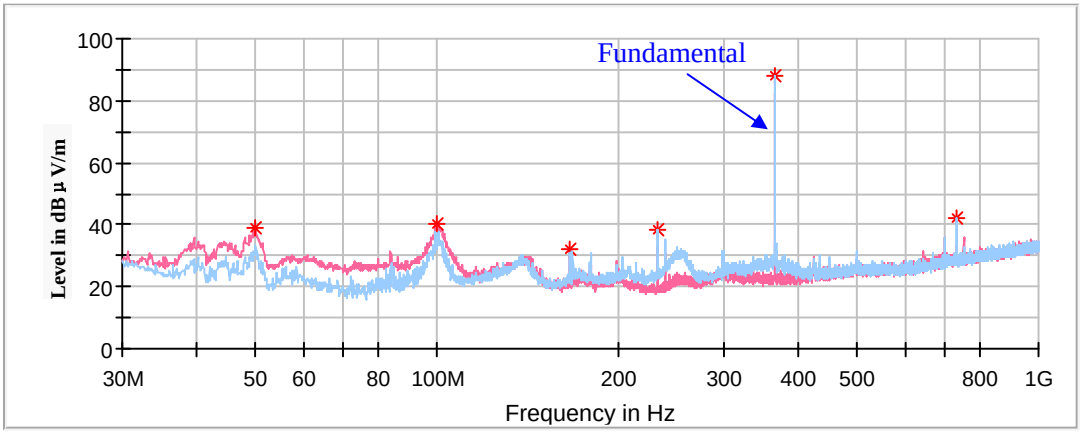
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 364.99MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



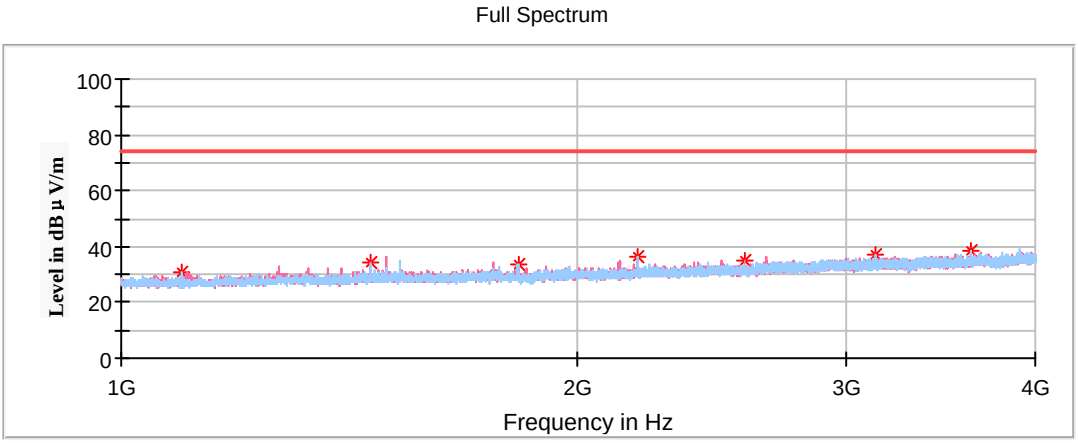
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.27	100	V	260	-18.0	58.20	18.93
99.71	40.47	100	V	0	-15.0	58.20	17.73
166.28	32.18	100	V	162	-13.0	43.50	11.32
232.36	38.51	200	H	238	-13.7	58.20	19.69
364.99	88.21	100	H	274	-9.5	98.20	9.99
729.98	42.03	100	H	280	-2.6	78.20	36.17

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	88.21	100	H	-13.98	74.23	78.20	3.97
729.98	42.03	100	H	-13.98	28.05	58.20	30.15

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1094.97	31.08	150	H	135	-18.6	54.00	22.92
1459.96	34.29	150	V	266	-16.6	54.00	19.71
1824.95	33.46	150	V	103	-15.1	58.20	24.74
2189.94	36.20	150	H	186	-13.7	58.20	22.00
2554.93	35.11	150	V	286	-12.1	58.20	23.09
3284.91	36.72	150	H	354	-9.7	58.20	21.48
3649.90	38.22	150	H	247	-8.3	54.00	15.78

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

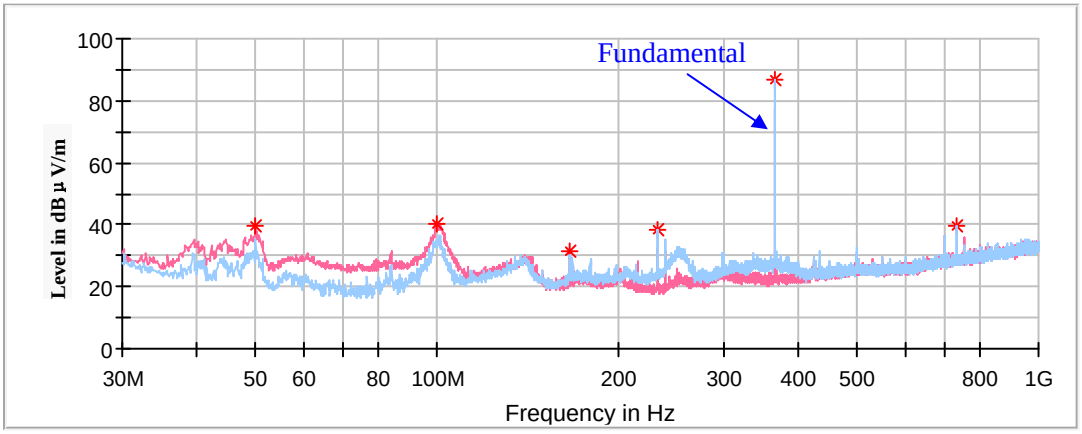
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 364.99MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



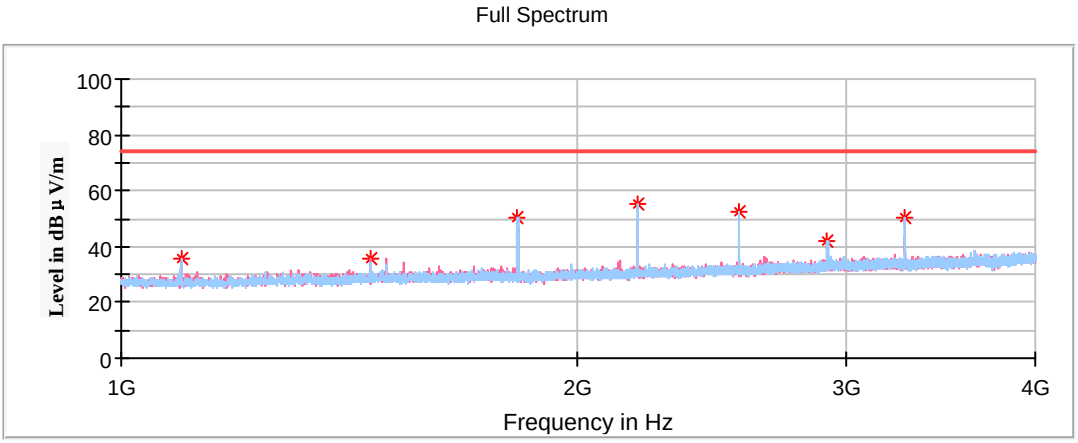
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	39.87	100	V	276	-18.0	58.20	18.33
99.71	40.41	100	V	25	-15.0	58.20	17.79
165.92	31.54	100	V	134	-13.0	43.50	11.96
232.36	38.50	100	H	230	-13.7	58.20	19.70
364.99	86.97	100	H	298	-9.5	98.20	11.23
729.98	39.54	100	H	303	-2.6	78.20	38.66

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	86.97	100	H	-13.98	72.99	78.20	5.21
729.98	39.54	100	H	-13.98	25.56	58.20	32.64

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1094.97	35.92	150	H	134	-18.6	74.00	38.08
1459.96	35.38	150	V	83	-16.6	74.00	38.62
1824.95	50.33	150	H	114	-15.1	78.20	27.87
2189.94	55.01	150	H	124	-13.7	78.20	23.19
2554.93	52.64	150	H	0	-12.2	78.20	25.56
2919.92	41.68	150	H	226	-10.5	78.20	36.52
3284.91	50.58	150	H	185	-9.4	78.20	27.62

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1094.97	35.92	150	H	-13.98	21.94	54.00	32.06
1459.96	35.38	150	V	-13.98	21.40	54.00	32.60
1824.95	50.33	150	H	-13.98	36.35	58.20	21.85
2189.94	55.01	150	H	-13.98	41.03	58.20	17.17
2554.93	52.64	150	H	-13.98	38.66	58.20	19.54
2919.92	41.68	150	H	-13.98	27.70	58.20	30.50
3284.91	50.58	150	H	-13.98	36.60	58.20	21.60

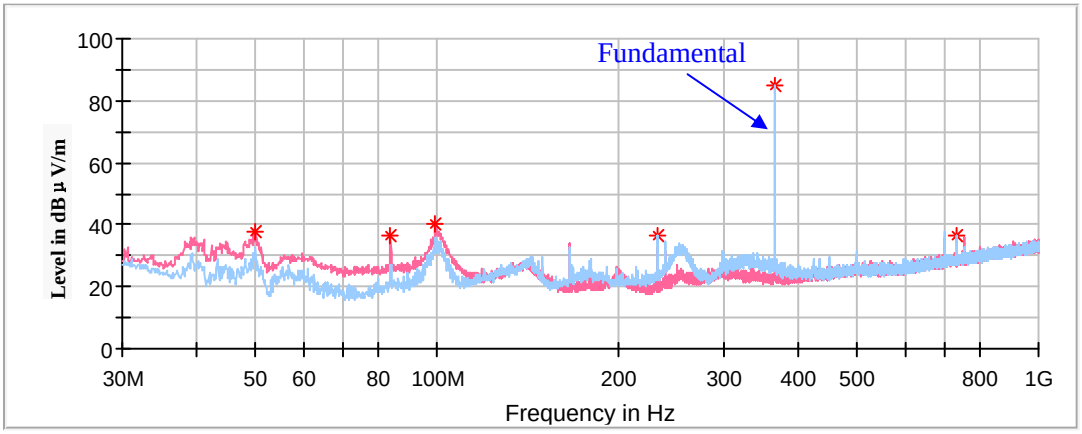
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

High Channel: 364.99MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



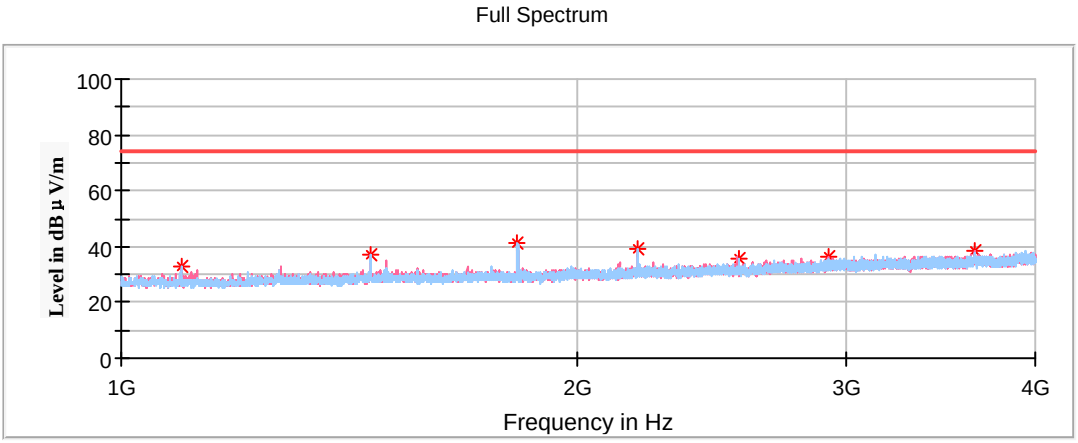
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	37.82	100	V	308	-18.0	58.20	20.38
83.83	36.20	100	V	88	-17.9	58.20	22.00
99.59	40.04	100	V	350	-15.1	58.20	18.16
232.36	36.71	100	H	234	-13.7	58.20	21.49
364.99	85.19	100	H	314	-9.5	98.20	13.01
729.98	36.56	100	H	307	-2.6	78.20	41.64

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	85.19	100	H	-13.98	71.21	78.20	6.99
729.98	36.56	100	H	-13.98	22.58	58.20	35.62

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1094.97	33.14	150	H	140	-18.6	54.00	20.86
1459.96	36.81	150	H	125	-16.6	54.00	17.19
1824.95	41.19	150	H	140	-15.1	58.20	17.01
2189.94	39.22	150	H	351	-13.7	58.20	18.98
2554.93	35.49	150	H	114	-12.2	58.20	22.71
2919.92	36.57	150	V	119	-10.5	58.20	21.63
3649.90	38.43	150	V	4	-8.3	54.00	15.57

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

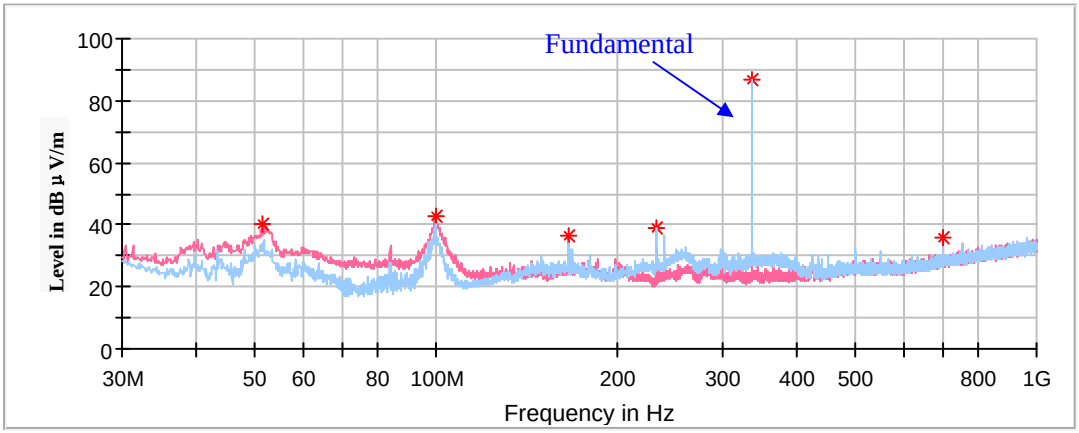
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

For OOK Modulation:

Low Channel: 336.00MHz (ANT 1)

30MHz-1GHz
*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



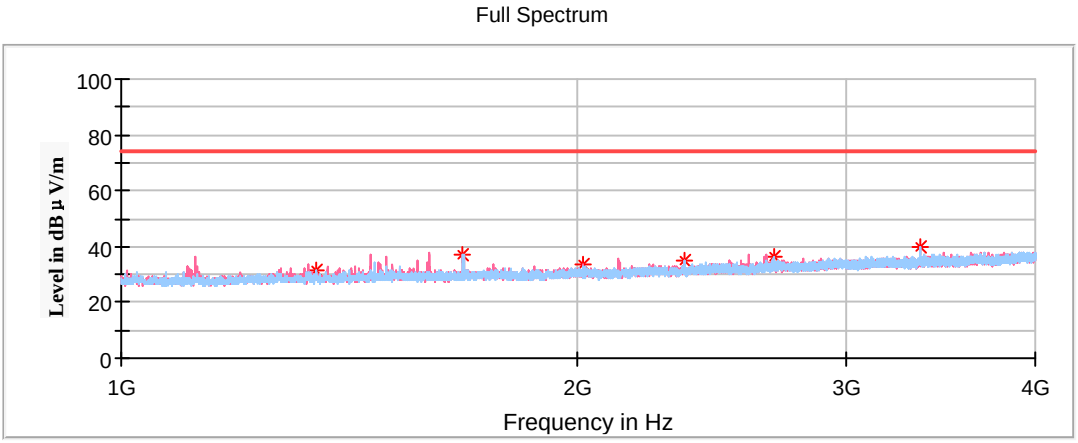
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.58	40.06	100	V	314	-18.0	56.80	16.74
99.71	42.89	100	V	47	-15.0	56.80	13.91
166.28	36.70	100	V	113	-13.0	43.50	6.80
232.85	39.11	100	H	249	-13.7	56.80	17.69
336.00	86.51	100	H	315	-10.2	96.80	10.29
700.02	36.09	100	V	137	-3.0	56.80	20.71

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	86.51	100	H	-13.98	72.53	76.80	4.27

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1344.00	31.26	150	H	0	-17.2	54.00	22.74
1680.00	37.38	200	V	251	-15.7	54.00	16.62
2016.00	33.57	200	V	251	-14.4	56.80	23.23
2352.00	35.15	200	V	292	-13.0	54.00	18.85
2688.00	36.18	150	H	227	-11.5	56.80	20.62
3360.00	39.56	200	H	21	-9.2	56.80	17.24

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

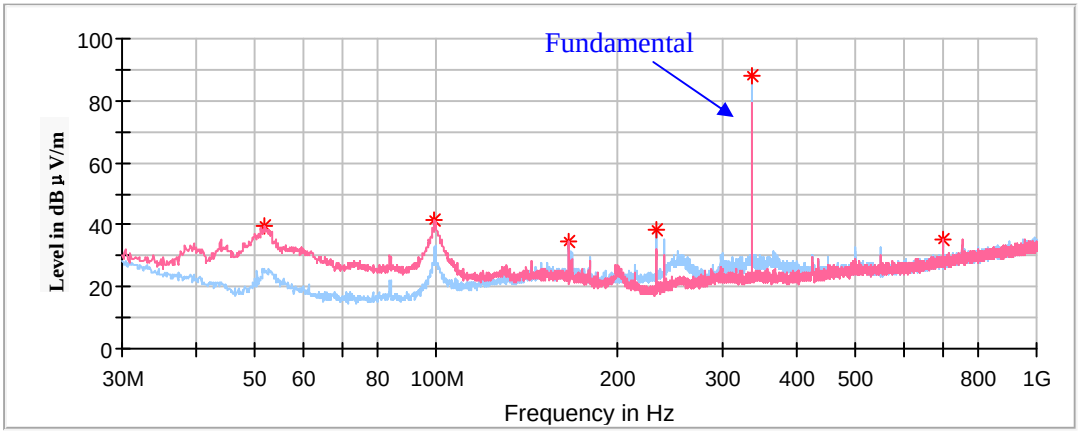
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 336.00MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



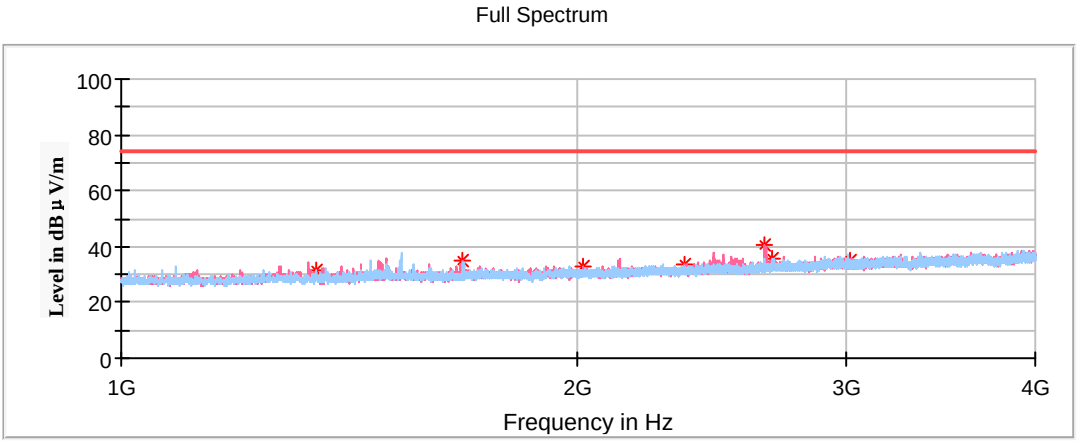
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.94	39.31	100	V	259	-18.0	56.80	17.49
99.59	41.78	100	V	0	-15.1	56.80	15.02
166.28	34.90	100	V	163	-13.0	43.50	8.60
232.85	38.16	200	H	236	-13.7	56.80	18.64
336.00	87.86	100	H	64	-10.2	96.80	8.94
700.02	35.18	100	V	106	-3.0	56.80	21.62

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	87.86	100	H	-13.98	73.88	76.80	2.92

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1344.00	31.17	200	H	0	-17.2	54.00	22.83
1680.00	34.64	200	V	69	-15.7	54.00	19.36
2016.00	32.82	150	V	117	-14.4	56.80	23.98
2352.00	33.54	200	V	79	-13.0	54.00	20.46
2656.00	40.58	150	V	275	-11.7	56.80	16.22
2688.00	35.70	200	H	143	-11.6	56.80	21.10
3024.00	34.69	150	H	206	-10.0	56.80	22.11

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

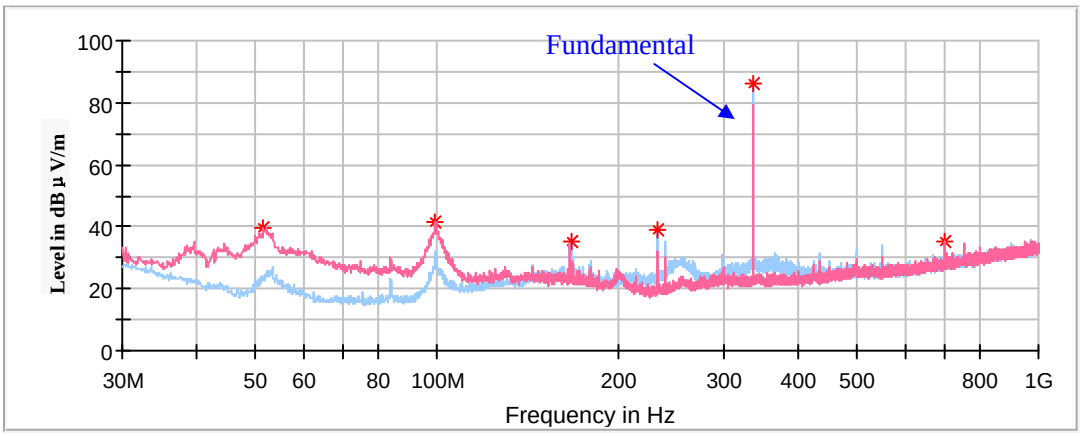
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 336.00MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



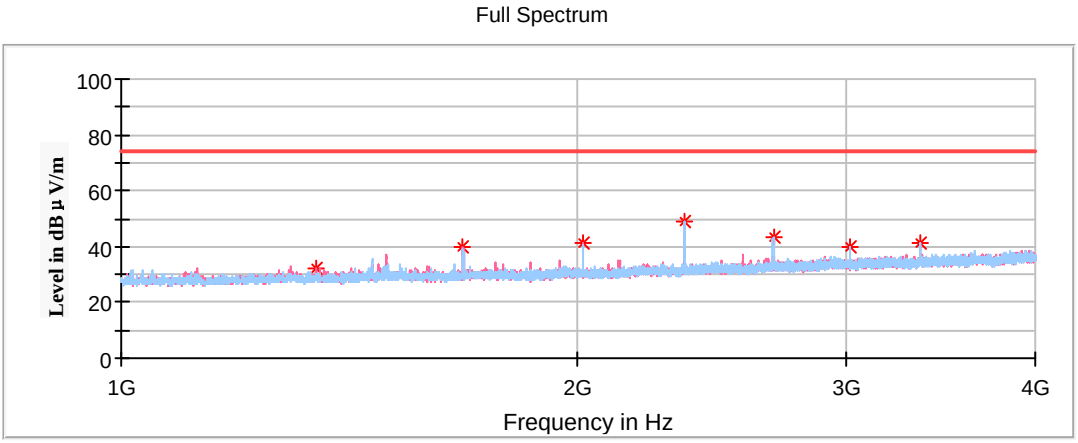
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.46	39.83	100	V	269	-18.0	56.80	16.97
99.59	41.58	100	V	359	-15.1	56.80	15.22
167.86	34.94	200	V	173	-13.1	43.50	8.56
232.36	38.76	100	H	235	-13.7	56.80	18.04
336.00	85.99	100	H	43	-10.2	96.80	10.81
700.02	35.39	100	V	101	-3.0	56.80	21.41

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	85.99	100	H	-13.98	72.01	76.80	4.79

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1344.00	31.89	150	V	255	-17.2	54.00	22.11
1680.00	39.76	200	V	253	-15.7	54.00	14.24
2016.00	41.50	200	V	151	-14.4	56.80	15.30
2352.00	48.99	200	H	62	-13.0	54.00	5.01
2688.00	43.50	200	H	22	-11.5	56.80	13.30
3024.00	39.52	150	H	257	-10.0	56.80	17.28
3360.00	41.57	150	H	356	-9.2	56.80	15.23

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

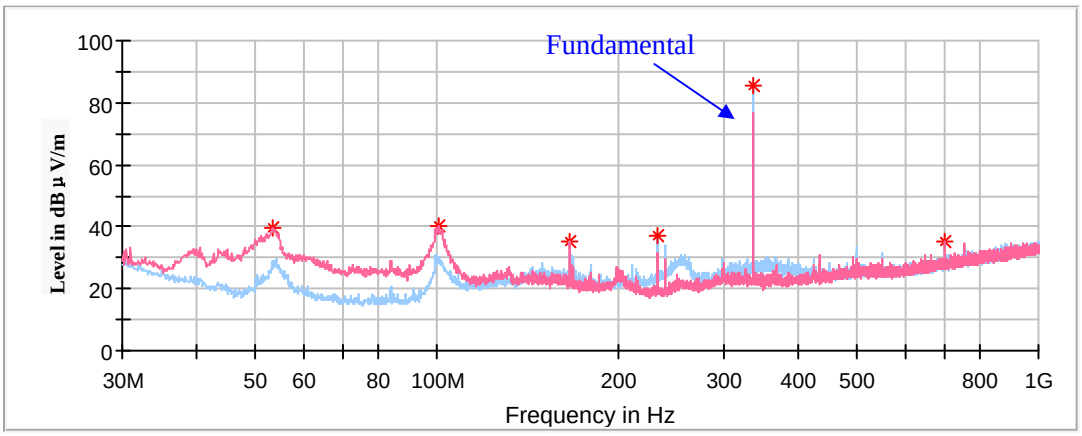
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 336.00MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



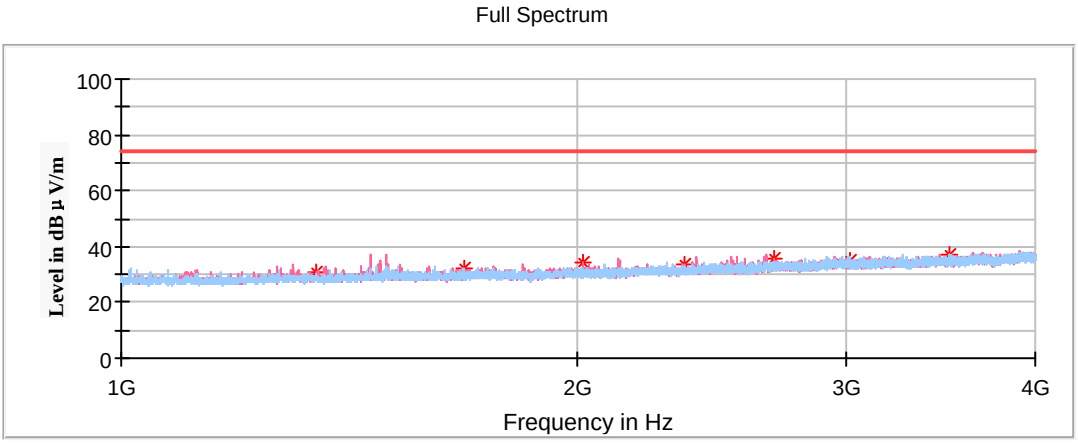
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
53.15	39.86	100	V	308	-18.0	56.80	16.94
100.56	40.44	100	V	47	-14.9	56.80	16.36
166.28	35.14	100	V	156	-13.0	43.50	8.36
232.36	37.20	200	H	81	-13.7	56.80	19.60
336.00	85.78	100	H	321	-10.2	96.80	11.02
700.02	35.00	100	V	144	-3.0	56.80	21.80

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
336.00	85.78	100	H	-13.98	71.80	76.80	5.00

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1344.00	30.52	200	V	64	-17.2	54.00	23.48
1680.00	32.30	200	H	358	-15.7	56.80	24.50
2016.00	34.39	150	V	215	-14.4	56.80	22.41
2352.00	33.73	200	V	252	-13.0	54.00	20.27
2688.00	35.61	200	V	242	-11.5	56.80	21.19
3024.00	35.00	200	H	17	-10.0	56.80	21.80
3360.00	37.40	150	H	11	-8.8	56.80	19.40

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

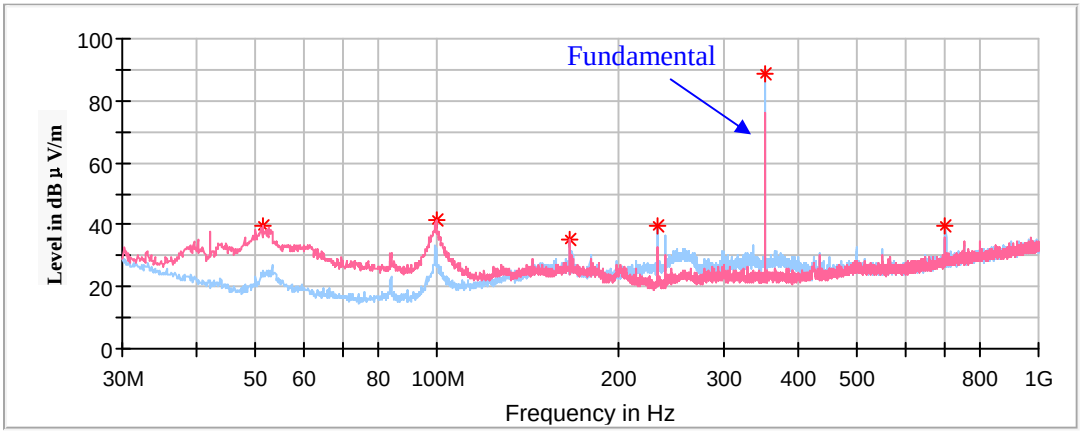
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



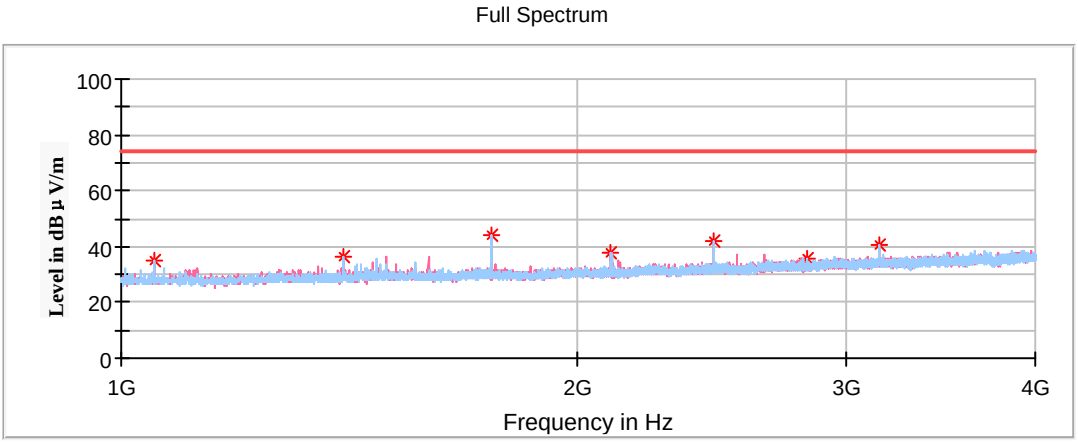
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.46	39.42	100	V	255	-18.0	57.53	18.11
99.71	41.49	100	V	13	-15.0	57.53	16.04
165.92	35.19	100	V	161	-13.0	43.50	8.31
232.36	39.77	100	H	244	-13.7	57.53	17.76
350.50	88.80	100	H	317	-9.8	97.53	8.73
701.00	39.70	100	H	323	-3.0	77.53	37.83

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	88.80	100	H	-13.98	74.82	77.53	2.71
701.00	39.70	100	H	-13.98	25.72	57.53	31.81

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1051.50	35.15	150	V	271	-18.8	54.00	18.85
1402.00	36.53	200	H	143	-16.9	54.00	17.47
1752.50	43.81	200	H	164	-15.4	57.53	13.72
2103.00	37.48	200	V	268	-14.0	57.53	20.05
2453.50	42.17	150	H	6	-12.6	57.53	15.36
2804.00	35.69	200	H	2	-10.9	54.00	18.31
3154.50	40.50	200	H	6	-9.7	57.53	17.03

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

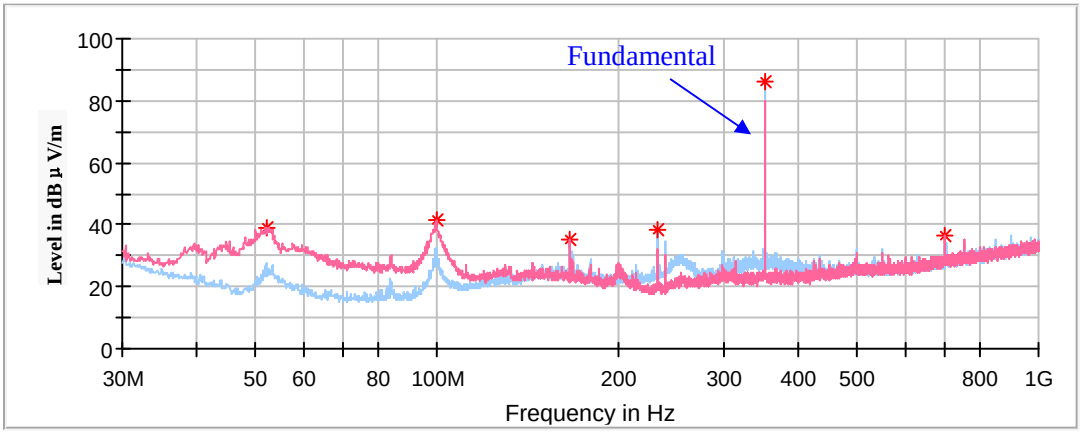
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



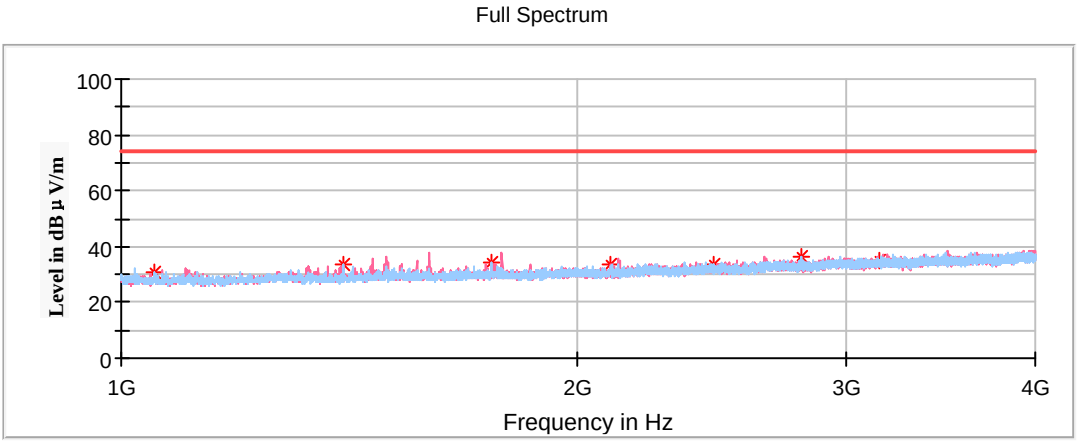
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
52.06	39.18	100	V	281	-18.0	57.53	18.35
99.71	41.63	100	V	316	-15.0	57.53	15.90
165.92	35.43	100	V	135	-13.0	43.50	8.07
232.85	38.61	100	H	241	-13.7	57.53	18.92
350.50	85.89	100	H	327	-9.8	97.53	11.64
700.02	36.43	100	V	100	-3.0	57.53	21.10

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	85.89	100	H	-13.98	71.91	77.53	5.62

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1051.50	30.79	200	H	31	-18.8	54.00	23.21
1402.00	33.60	200	H	164	-16.9	54.00	20.40
1752.50	34.36	150	H	196	-15.4	57.53	23.17
2103.00	33.90	200	V	106	-14.0	57.53	23.63
2453.50	33.71	150	V	275	-12.6	57.53	23.82
2804.00	36.71	200	H	349	-11.0	54.00	17.29
3154.50	35.26	150	H	206	-9.7	57.53	22.27

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

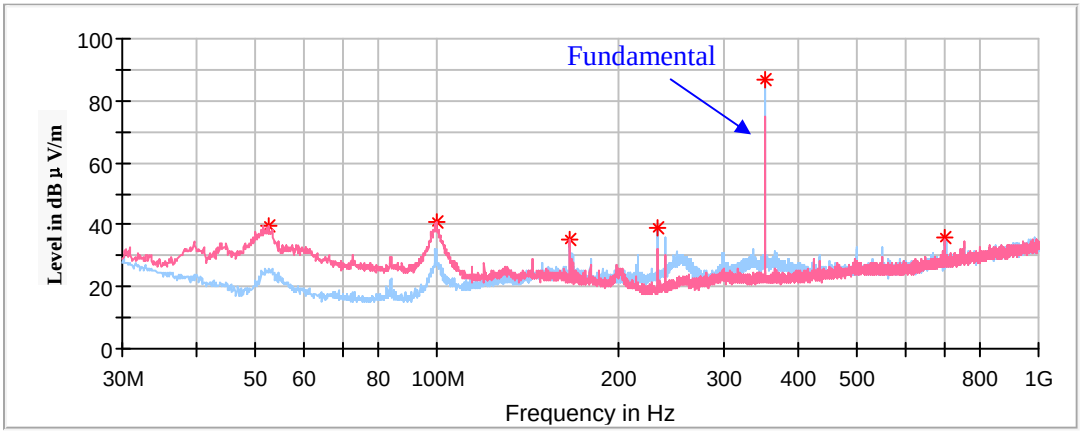
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



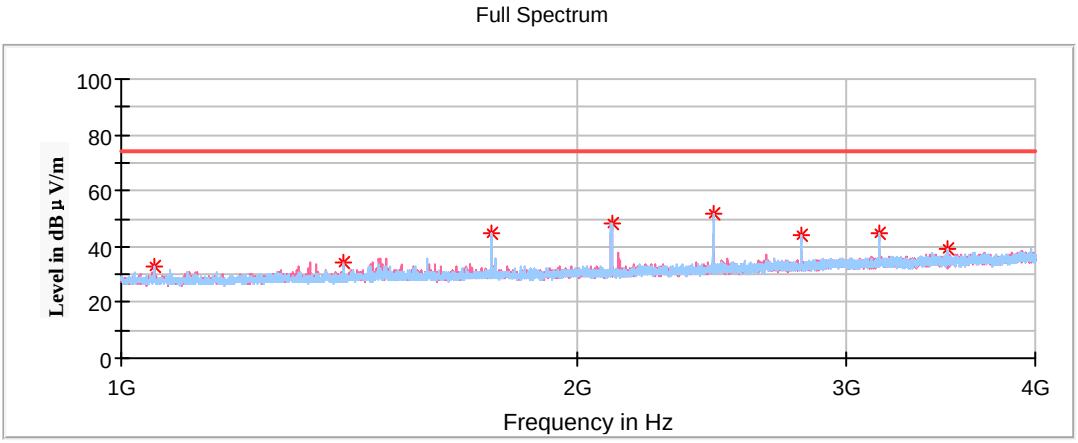
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
52.43	39.64	100	V	307	-18.0	57.53	17.89
99.71	41.15	100	V	40	-15.0	57.53	16.38
166.28	34.95	100	V	156	-13.0	43.50	8.55
232.85	38.73	100	H	242	-13.7	57.53	18.80
350.00	86.85	100	H	326	-9.8	97.53	10.68
701.00	36.13	100	H	333	-3.0	77.53	41.40

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	86.85	100	H	-13.98	72.87	77.53	4.66
701.00	36.13	100	H	-13.98	22.15	57.53	35.38

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1051.50	32.72	200	V	105	-18.8	54.00	21.28
1402.00	34.34	200	V	288	-16.9	54.00	19.66
1752.50	44.64	200	H	255	-15.4	57.53	12.89
2103.00	48.30	150	H	53	-14.0	57.53	9.23
2453.50	51.47	150	H	53	-12.6	57.53	6.06
2804.00	43.83	150	H	181	-11.0	54.00	10.17
3154.50	44.61	200	H	194	-9.7	57.53	12.92
3505.00	39.11	200	H	354	-8.8	57.53	18.42

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

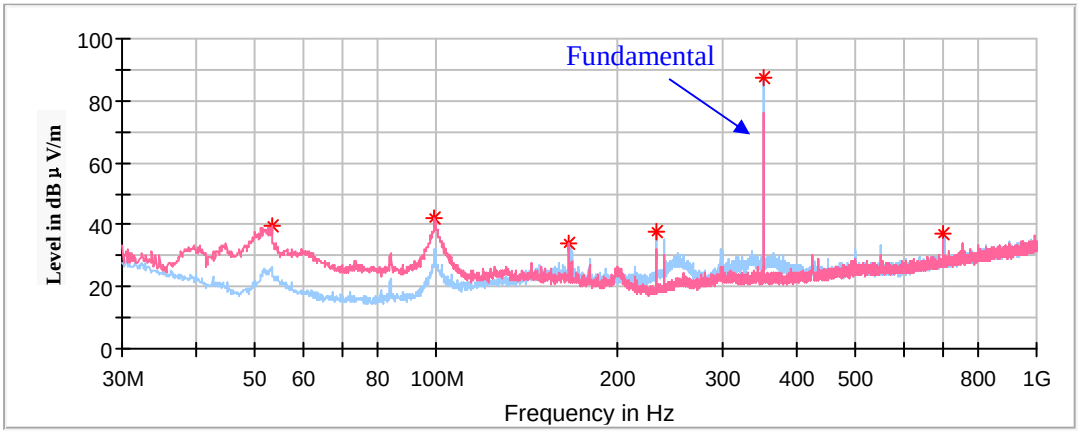
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 350.50MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



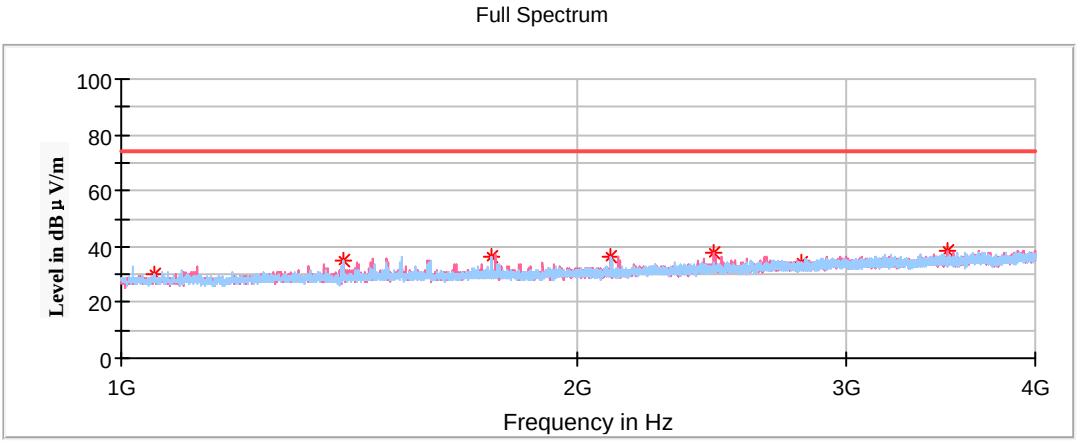
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
53.15	39.53	100	V	246	-18.0	57.53	18.00
99.59	42.01	100	V	46	-15.1	57.53	15.52
165.92	34.19	100	V	173	-13.0	43.50	9.31
232.85	37.43	100	H	242	-13.7	57.53	20.10
350.50	87.45	100	H	326	-9.8	97.53	10.08
701.00	37.13	100	H	326	-3.0	77.53	40.40

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
350.50	87.45	100	H	-13.98	73.47	77.53	4.06
701.00	37.13	100	H	-13.98	23.15	57.53	34.38

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1051.50	30.03	200	V	263	-18.8	54.00	23.97
1402.00	35.16	200	H	174	-16.9	54.00	18.84
1752.50	36.37	200	H	174	-15.4	57.53	21.16
2103.00	36.46	150	H	357	-14.0	57.53	21.07
2453.50	37.52	150	V	285	-12.6	57.53	20.01
2804.00	34.49	200	V	294	-11.0	54.00	19.51
3505.00	38.12	200	V	253	-8.8	57.53	19.41

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

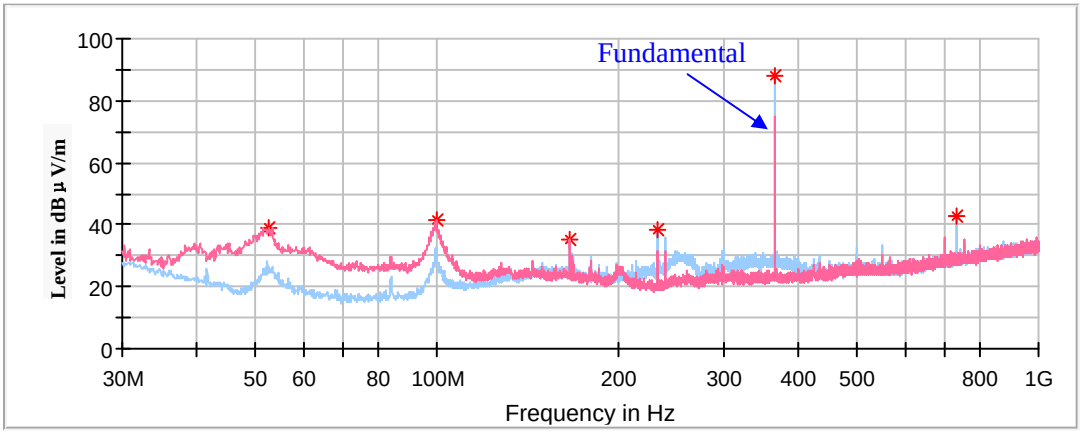
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 364.99MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



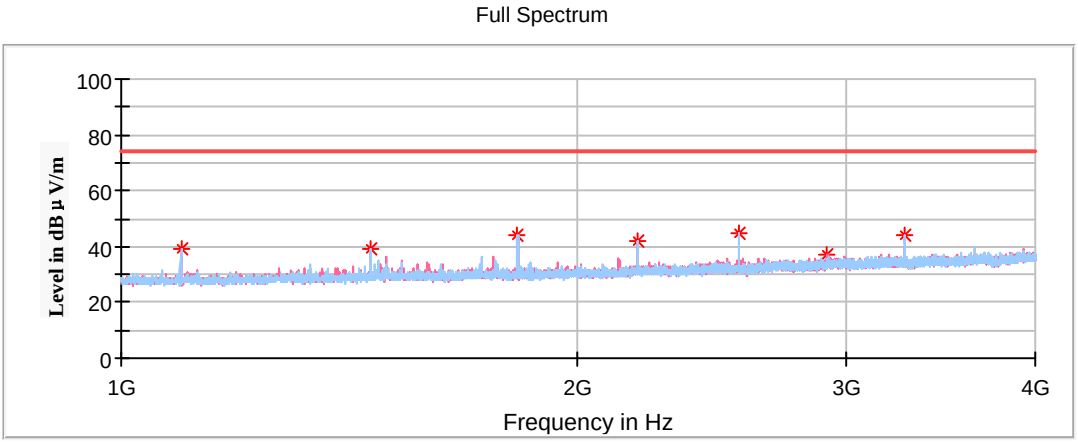
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
52.67	38.88	100	V	250	-18.0	58.20	19.32
99.71	41.59	100	V	0	-15.0	58.20	16.61
165.92	35.30	100	V	165	-13.0	43.50	8.20
232.85	38.66	100	H	249	-13.7	58.20	19.54
364.99	87.90	100	H	327	-9.5	98.20	10.30
729.98	42.74	100	H	327	-2.6	78.20	35.46

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	87.90	100	H	-13.98	73.92	78.20	4.28
729.98	42.74	100	H	-13.98	28.76	58.20	29.44

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1094.97	38.82	200	H	139	-18.6	54.00	15.18
1459.96	39.07	200	H	179	-16.6	54.00	14.93
1824.95	44.05	200	H	349	-15.1	58.20	14.15
2189.94	41.86	200	V	283	-13.7	58.20	16.34
2554.93	44.81	150	H	64	-12.2	58.20	13.39
2919.92	37.06	200	V	115	-10.5	58.20	21.14
3284.91	43.79	150	H	0	-9.4	58.20	14.41

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

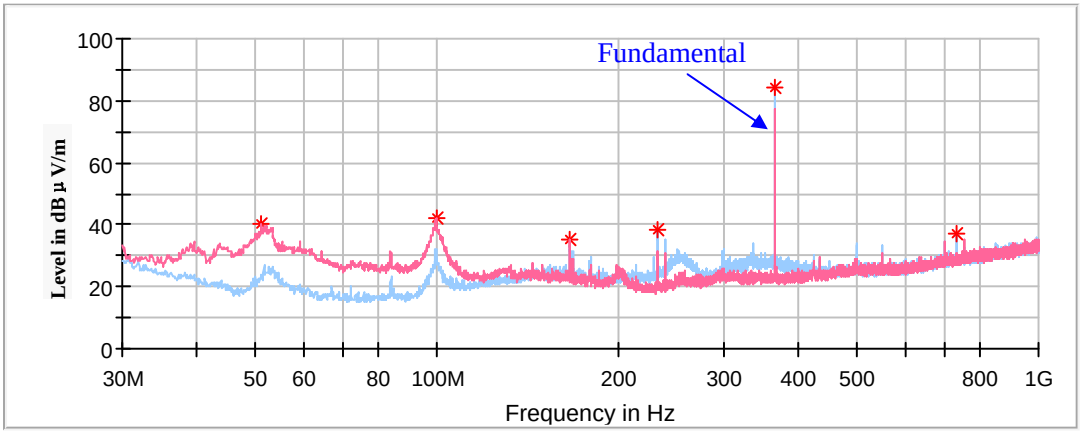
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 364.99MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



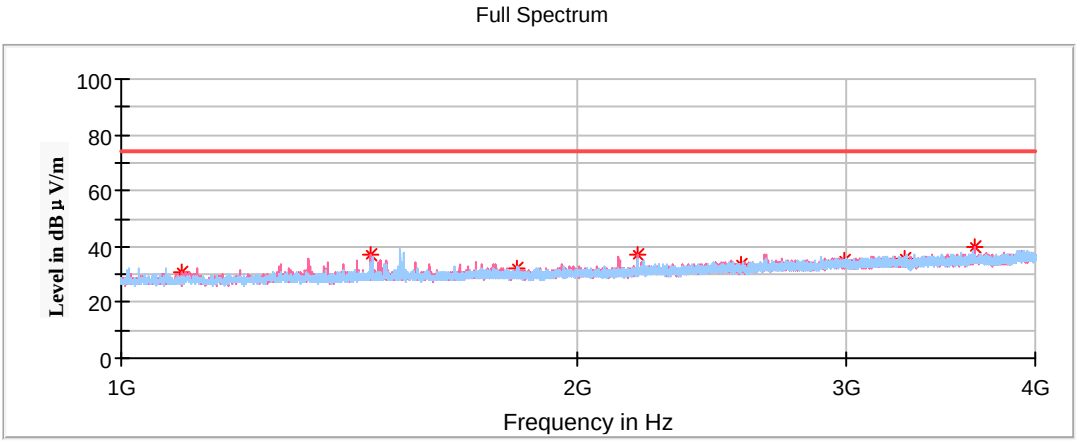
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.09	39.95	100	V	302	-18.0	58.20	18.25
99.71	42.16	100	V	61	-15.0	58.20	16.04
165.92	35.36	100	V	170	-13.0	43.50	8.14
232.36	38.52	200	H	256	-13.7	58.20	19.68
364.99	84.33	100	H	46	-9.5	98.20	13.87
729.98	37.19	100	H	39	-2.6	78.20	41.01

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	84.33	100	H	-13.98	70.35	78.20	7.85
729.98	37.19	100	H	-13.98	23.21	58.20	34.99

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1094.97	31.09	150	V	66	-18.6	54.00	22.91
1459.96	37.32	150	V	276	-16.6	54.00	16.68
1824.95	32.47	150	H	207	-15.1	58.20	25.73
2189.94	37.01	200	V	120	-13.7	58.20	21.19
2554.93	33.79	150	V	286	-12.2	58.20	24.41
2992.00	34.73	150	H	43	-10.1	58.20	23.47
3284.91	35.88	200	H	21	-9.4	58.20	22.32
3649.90	39.54	150	V	153	-8.3	54.00	14.46

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

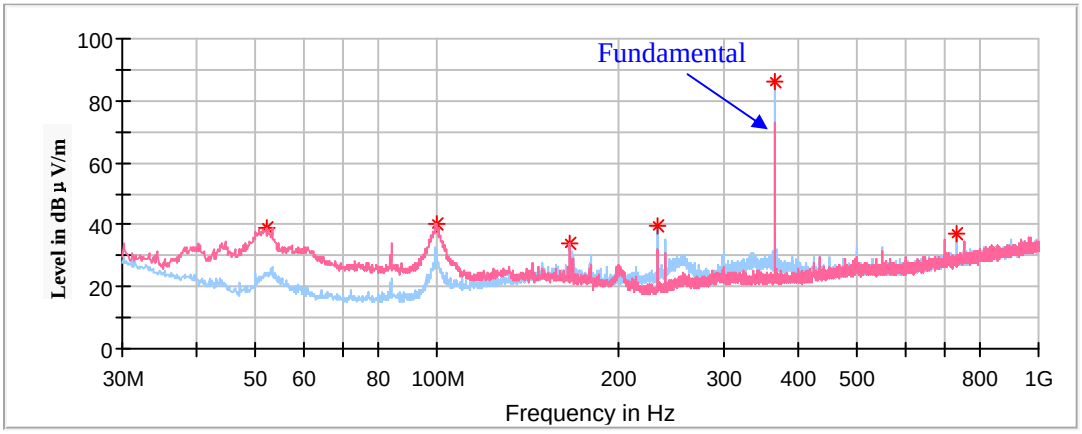
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 364.99MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



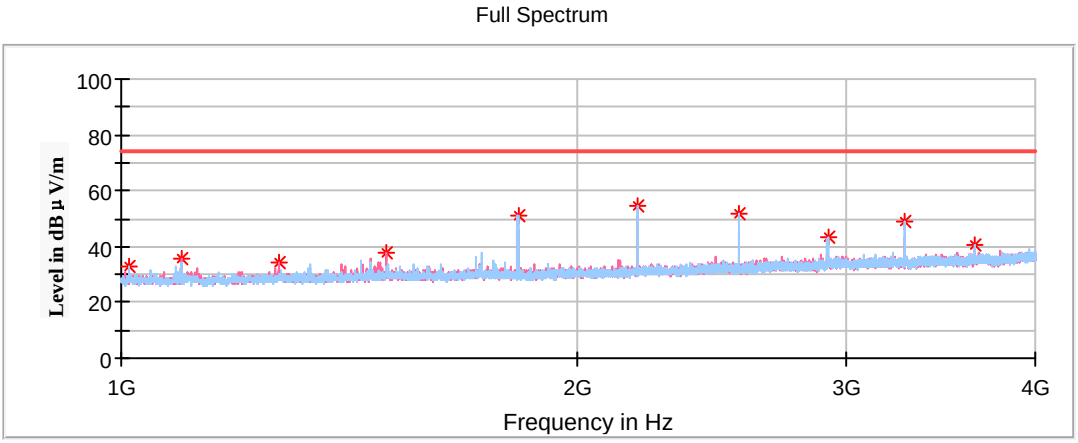
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
52.06	39.09	100	V	284	-18.0	58.20	19.11
99.71	40.54	100	V	0	-15.0	58.20	17.66
165.92	34.14	100	V	168	-13.0	43.50	9.36
232.36	39.35	100	H	231	-13.7	58.20	18.85
364.99	85.99	100	H	315	-9.5	98.20	12.21
729.98	37.27	100	H	315	-2.6	78.20	40.93

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	85.99	100	H	-13.98	72.01	78.20	6.19
729.98	37.27	100	H	-13.98	23.29	58.20	34.91

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1011.10	32.82	150	H	313	-19.0	74.00	41.18
1094.97	35.57	150	V	275	-18.6	74.00	38.43
1269.10	34.17	150	V	265	-17.6	74.00	39.83
1459.96	37.58	150	V	307	-16.4	74.00	36.42
1824.95	51.30	150	H	257	-15.1	78.20	26.90
2189.94	54.42	200	H	52	-13.7	78.20	23.78
2554.93	51.58	150	H	0	-12.2	78.20	26.62
2919.92	43.11	150	H	237	-10.5	78.20	35.09
3284.91	48.61	150	H	196	-9.4	78.20	29.59
3649.90	40.85	150	H	313	-8.3	74.00	33.15

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1011.10	32.82	150	H	-13.98	18.84	54.00	35.16
1094.97	35.57	150	V	-13.98	21.59	54.00	32.41
1269.10	34.17	150	V	-13.98	20.19	54.00	33.81
1459.96	37.58	150	V	-13.98	23.60	54.00	30.40
1824.95	51.30	150	H	-13.98	37.32	58.20	20.88
2189.94	54.42	200	H	-13.98	40.44	58.20	17.76
2554.93	51.58	150	H	-13.98	37.60	58.20	20.60
2919.92	43.11	150	H	-13.98	29.13	58.20	29.07
3284.91	48.61	150	H	-13.98	34.63	58.20	23.57
3649.90	40.85	150	H	-13.98	26.87	54.00	27.13

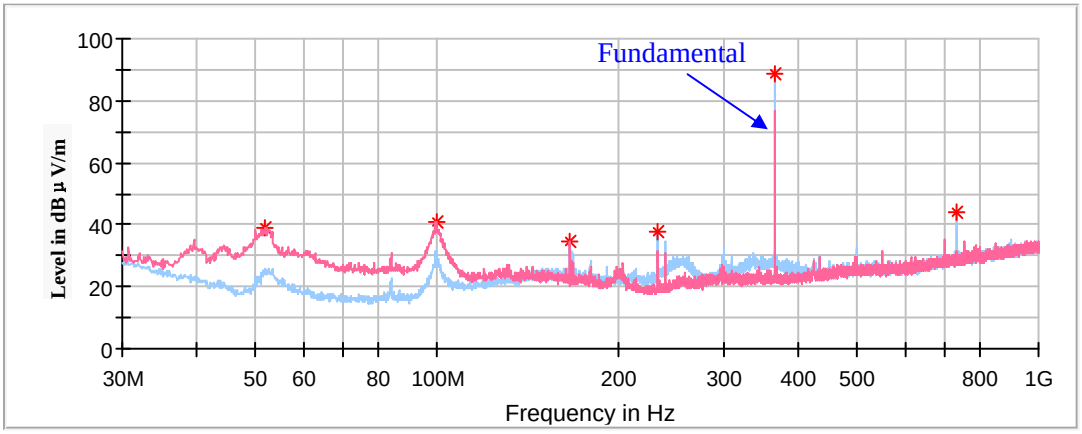
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

High Channel: 364.99MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



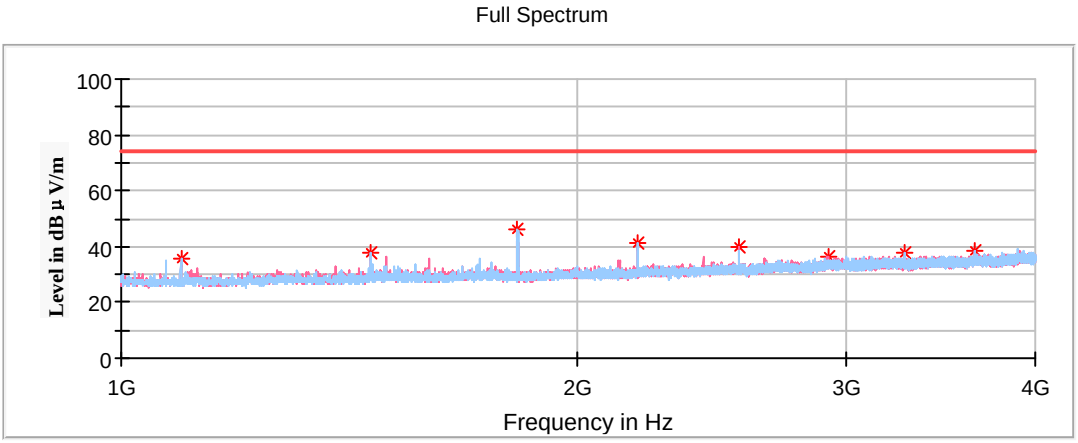
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.94	38.84	100	V	316	-18.0	58.20	19.36
99.71	41.19	100	V	352	-15.0	58.20	17.01
166.28	34.67	100	V	158	-13.0	43.50	8.83
232.36	37.98	100	H	234	-13.7	58.20	20.22
364.99	88.93	100	H	323	-9.5	98.20	9.27
729.98	43.87	100	H	317	-2.6	78.20	34.33

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
364.99	88.93	100	H	-13.98	74.95	78.20	3.25
729.98	43.87	100	H	-13.98	29.89	58.20	28.31

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1094.97	35.59	150	V	263	-18.6	54.00	18.41
1459.96	37.49	150	H	153	-16.6	54.00	16.51
1824.95	46.07	150	H	164	-15.1	58.20	12.13
2189.94	41.36	150	H	12	-13.7	58.20	16.84
2554.93	39.85	150	V	293	-12.2	58.20	18.35
2919.92	36.50	150	V	110	-10.5	58.20	21.70
3284.91	37.68	150	H	123	-9.4	58.20	20.52
3649.90	38.81	150	H	336	-8.3	54.00	15.19

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

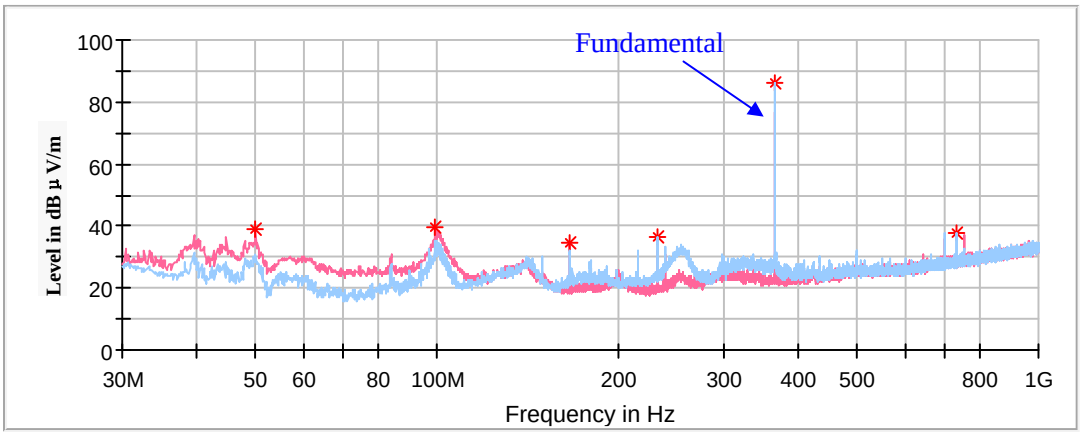
For 375MHz Band:

For GFSK Modulation:

Low Channel: 365.0MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



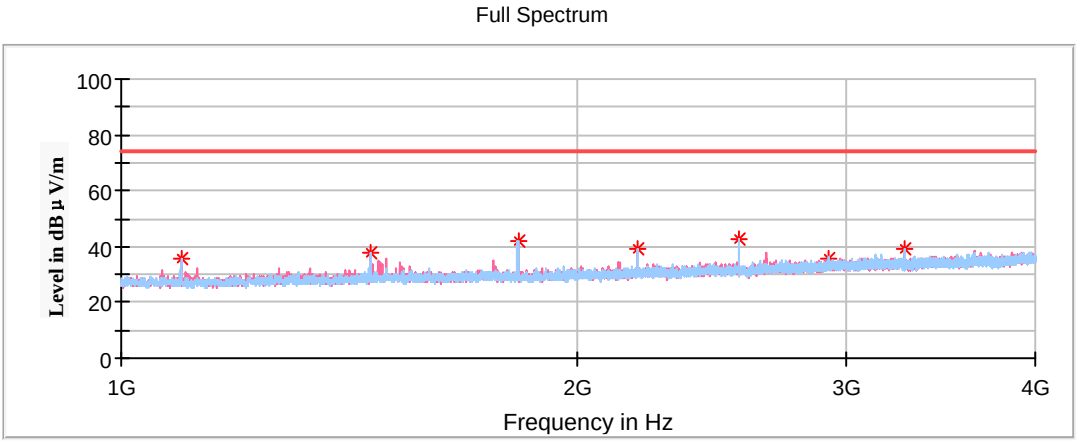
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.89	100	V	234	-18.0	58.20	19.31
99.59	39.55	100	V	0	-15.1	58.20	18.65
165.92	34.64	100	V	199	-13.0	43.50	8.86
232.36	36.42	100	H	232	-13.7	58.20	21.78
365.00	85.97	100	H	300	-9.5	98.20	12.23
730.00	37.68	100	H	306	-2.6	78.20	40.52

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	85.97	100	H	-13.98	71.99	78.20	6.21
730.00	37.68	100	H	-13.98	23.70	58.20	34.50

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1095.00	35.93	150	H	135	-18.6	54.00	18.07
1460.00	37.80	150	H	135	-16.6	54.00	16.20
1825.00	42.03	150	H	359	-15.1	58.20	16.17
2190.00	39.27	150	V	53	-13.7	58.20	18.93
2555.00	42.31	150	H	42	-12.2	58.20	15.89
2920.00	35.91	150	V	226	-10.5	58.20	22.29
3285.00	39.34	150	H	11	-9.4	58.20	18.86

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

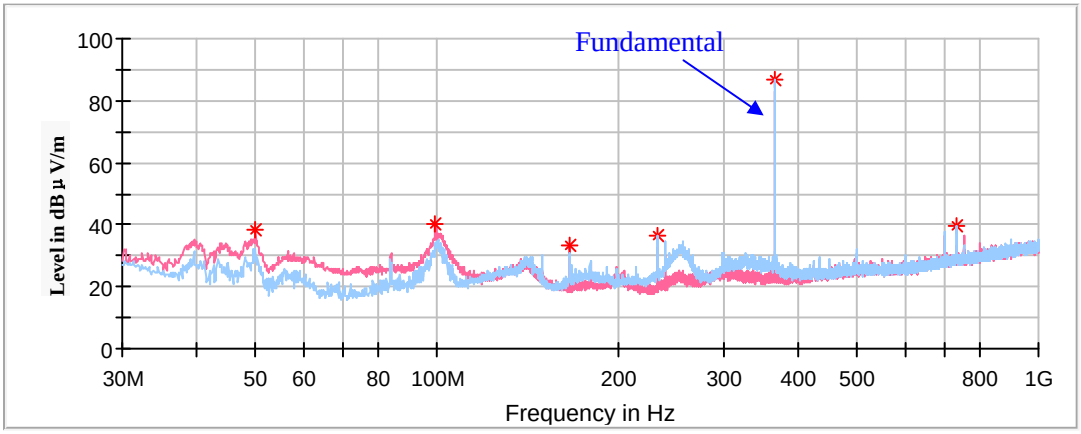
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 365.0MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



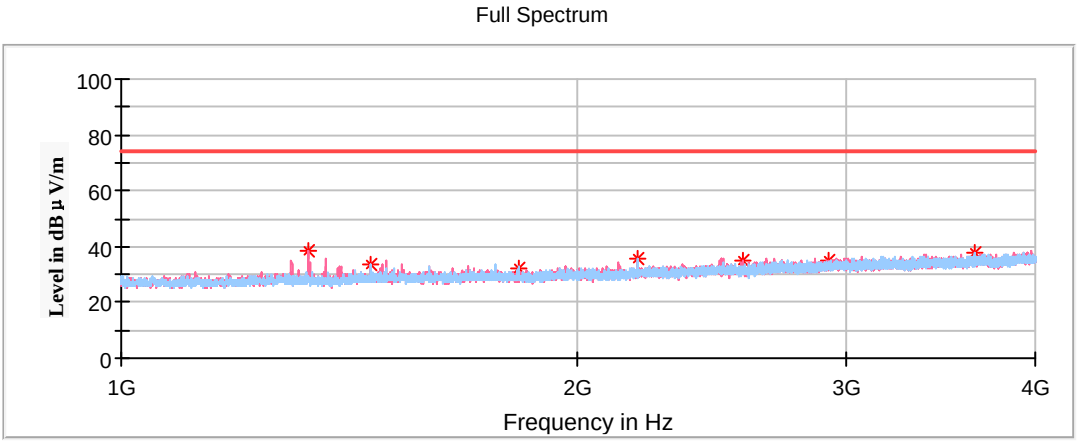
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.38	100	V	240	-18.0	58.20	19.82
99.59	40.54	100	V	35	-15.1	58.20	17.66
165.92	33.04	100	V	144	-13.0	43.50	10.46
232.36	36.46	100	H	226	-13.7	58.20	21.74
365.00	86.74	100	H	295	-9.5	98.20	11.46
730.00	39.54	100	H	290	-2.6	78.20	38.66

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	86.74	100	H	-13.98	72.76	78.20	5.44
730.00	39.54	100	H	-13.98	25.56	58.20	32.64

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1329.10	38.69	150	V	276	-17.3	54.00	15.31
1460.00	33.40	150	V	47	-16.6	54.00	20.60
1825.00	32.45	150	V	118	-15.1	58.20	25.75
2190.00	35.84	150	H	181	-13.7	58.20	22.36
2555.00	35.00	150	V	286	-12.1	58.20	23.20
2920.00	35.14	150	V	297	-10.5	58.20	23.06
3650.00	37.59	150	H	53	-8.3	54.00	16.41

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

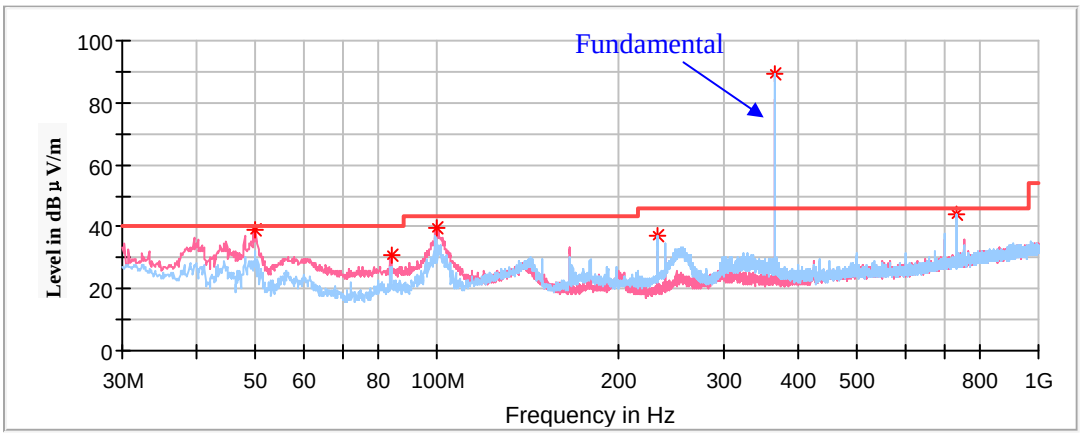
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 365.0MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



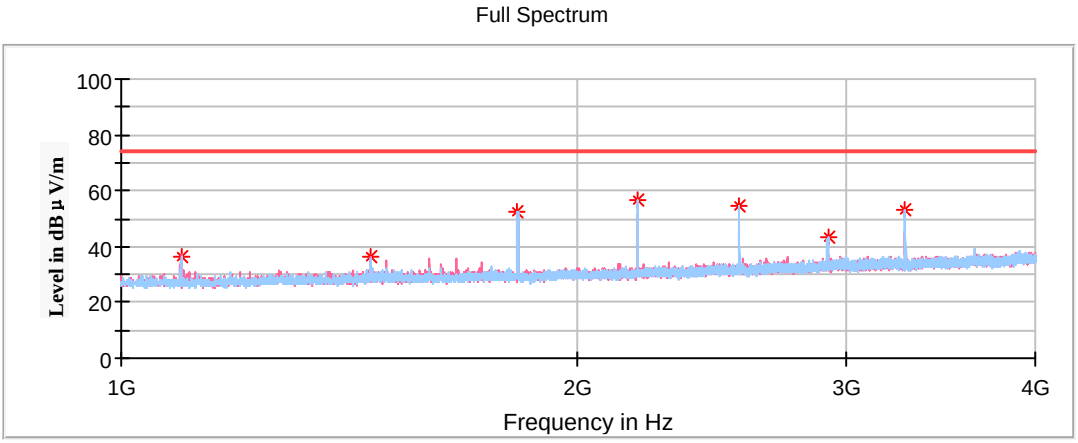
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.88	100	V	279	-18.0	58.20	19.32
84.07	30.79	100	V	0	-17.9	58.20	27.41
99.71	39.49	100	V	18	-15.0	58.20	18.71
232.36	36.91	100	H	236	-13.7	58.20	21.29
365.00	89.16	100	H	301	-9.5	98.20	9.04
730.00	43.78	100	H	289	-2.6	78.20	34.42

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	89.16	100	H	-13.98	75.18	78.20	3.02
730.00	43.78	100	H	-13.98	29.80	58.20	28.40

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1095.00	36.44	150	V	37	-18.6	74.00	37.56
1460.00	36.28	150	V	88	-16.6	74.00	37.72
1825.00	52.43	150	H	114	-15.1	78.20	25.77
2190.00	56.40	150	H	125	-13.7	78.20	21.80
2555.00	54.54	150	H	0	-12.2	78.20	23.66
2920.00	43.09	150	H	196	-10.5	78.20	35.11
3285.00	53.00	150	H	175	-9.4	78.20	25.20

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1095.00	36.44	150	V	-13.98	22.46	54.00	31.54
1460.00	36.28	150	V	-13.98	22.30	54.00	31.70
1825.00	52.43	150	H	-13.98	38.45	58.20	19.75
2190.00	56.40	150	H	-13.98	42.42	58.20	15.78
2555.00	54.54	150	H	-13.98	40.56	58.20	17.64
2920.00	43.09	150	H	-13.98	29.11	58.20	29.09
3285.00	53.00	150	H	-13.98	39.02	58.20	19.18

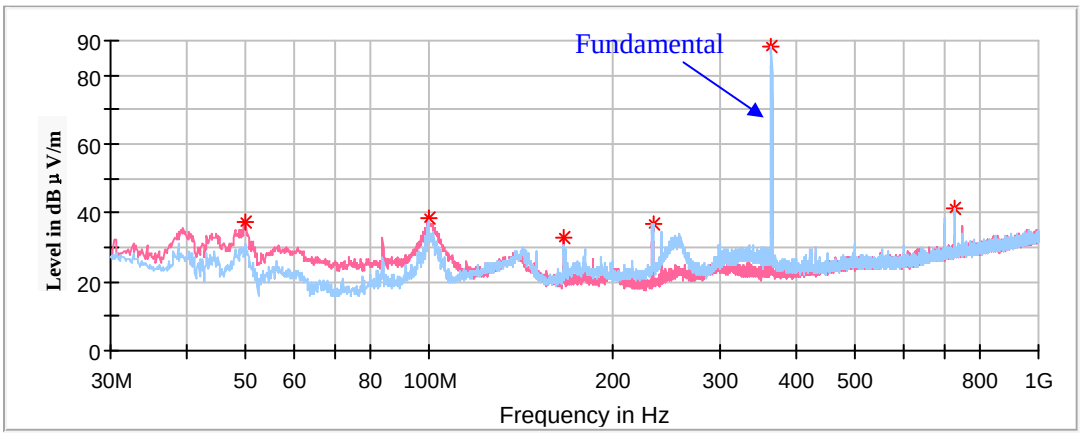
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Low Channel: 365.0MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



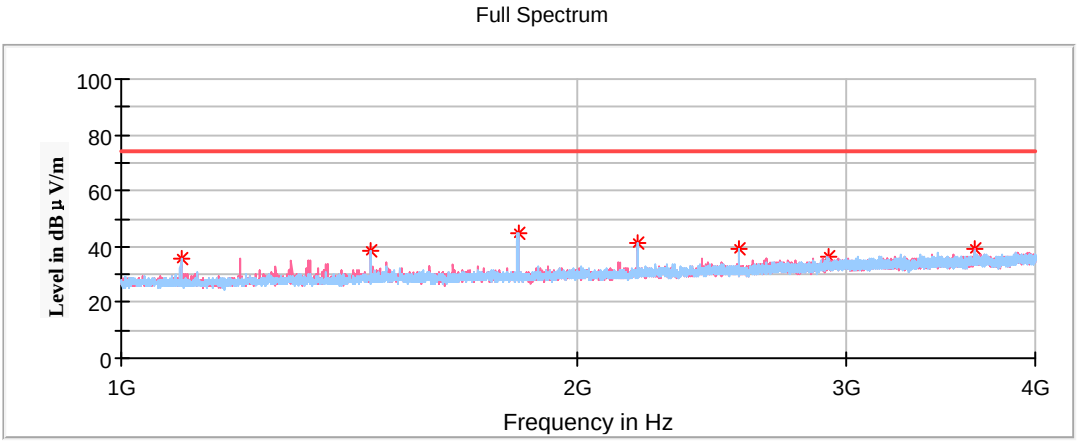
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	37.20	100	V	284	-18.0	58.20	21.00
99.71	38.48	100	V	358	-15.0	58.20	19.72
166.28	33.05	100	V	163	-13.0	43.50	10.45
232.85	36.73	100	H	250	-13.7	58.20	21.47
365.00	88.15	100	H	305	-9.5	98.20	10.05
730.00	41.46	100	H	311	-2.6	78.20	36.74

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	88.15	100	H	-13.98	74.17	78.20	4.03
730.00	41.46	100	H	-13.98	27.48	58.20	30.72

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1095.00	35.99	150	H	338	-18.6	54.00	18.01
1460.00	38.70	150	H	135	-16.6	54.00	15.30
1825.00	44.96	150	H	135	-15.1	58.20	13.24
2190.00	41.46	150	H	354	-13.7	58.20	16.74
2555.00	39.22	150	H	114	-12.2	58.20	18.98
2920.00	36.25	150	V	286	-10.5	58.20	21.95
3650.00	39.02	150	V	113	-8.3	54.00	14.98

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

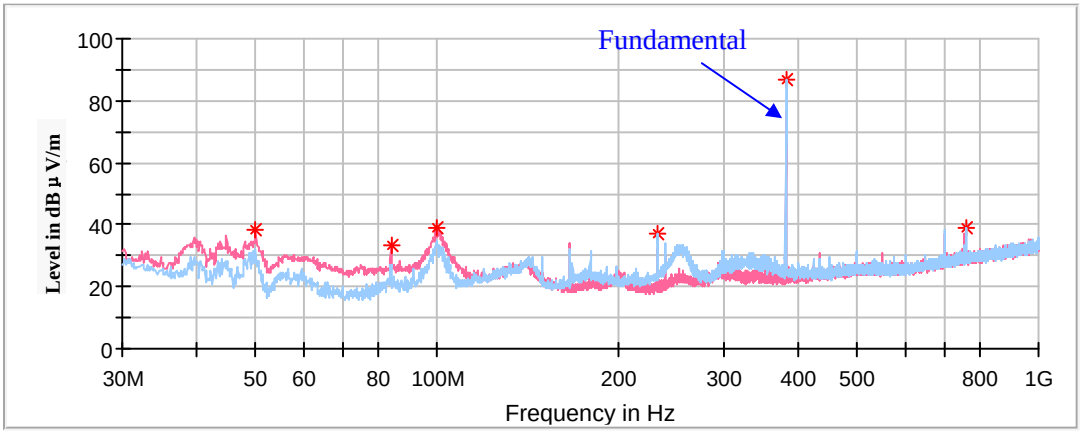
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 380.0MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



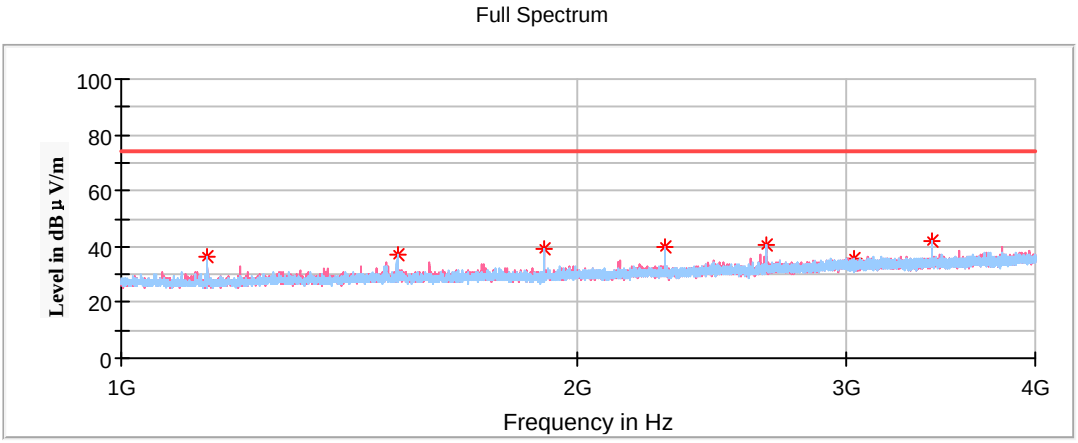
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.66	100	V	289	-18.0	58.84	20.18
83.95	33.13	100	V	204	-17.9	58.84	25.71
99.71	38.70	100	V	11	-15.0	58.84	20.14
232.36	36.95	100	H	247	-13.7	58.84	21.89
380.00	86.56	100	H	300	-9.1	98.84	12.28
760.00	39.20	100	H	300	-2.1	78.84	39.64

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
380.00	86.56	100	H	-13.98	72.58	78.84	6.26
760.00	39.20	100	H	-13.98	25.22	58.84	33.62

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1140.00	36.48	150	H	145	-18.3	54.00	17.52
1520.00	36.81	150	H	135	-16.3	54.00	17.19
1900.00	39.19	150	V	87	-14.8	58.84	19.65
2280.00	39.68	150	V	77	-13.3	54.00	14.32
2660.00	40.87	150	H	43	-11.7	58.84	17.97
3040.00	35.89	150	H	175	-10.0	58.84	22.95
3420.00	41.78	150	H	145	-9.0	58.84	17.06

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

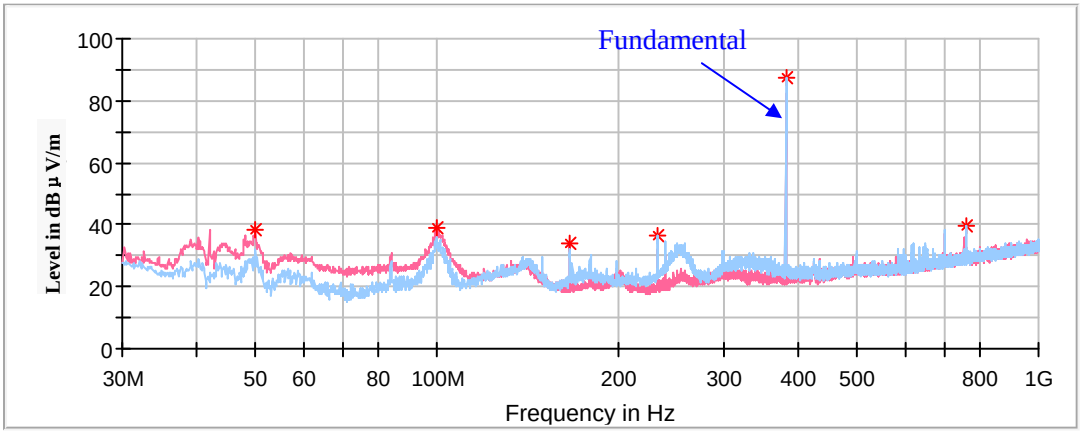
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 380.0MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



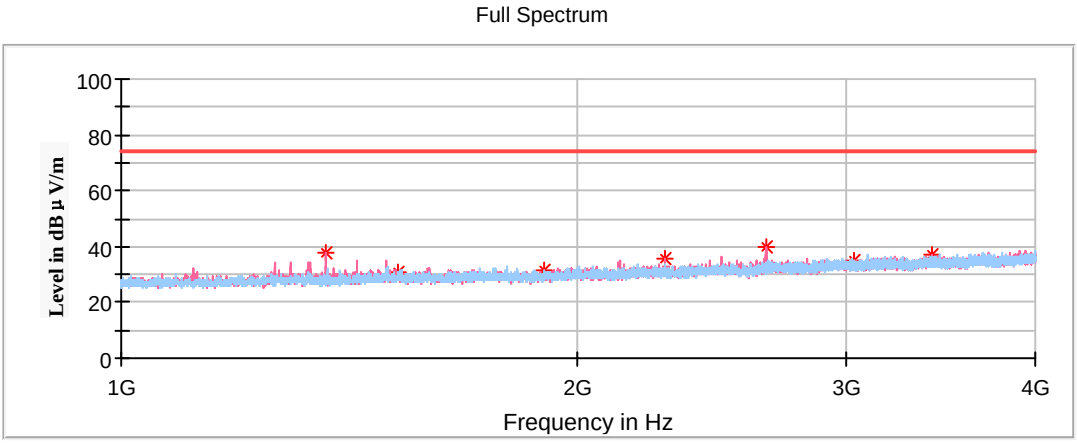
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.66	100	V	252	-18.0	58.84	20.18
99.71	39.00	100	V	0	-15.0	58.84	19.84
165.92	34.08	100	V	185	-13.0	43.50	9.42
232.36	36.35	200	H	234	-13.7	58.84	22.49
380.00	87.19	100	H	216	-9.1	98.84	11.65
760.00	39.45	100	H	216	-2.1	78.84	39.39

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
380.00	87.19	100	H	-13.98	73.21	78.84	5.63
760.00	39.45	100	H	-13.98	25.47	58.84	33.37

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1364.50	38.01	150	V	275	-17.1	54.00	15.99
1520.00	30.73	150	H	0	-16.3	54.00	23.27
1900.00	31.37	150	H	318	-14.8	58.84	27.47
2280.00	35.76	150	V	92	-13.3	54.00	18.24
2660.00	39.81	150	V	286	-11.7	58.84	19.03
3040.00	35.17	150	H	63	-10.0	58.84	23.67
3420.00	36.80	150	V	102	-9.0	58.84	22.04

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

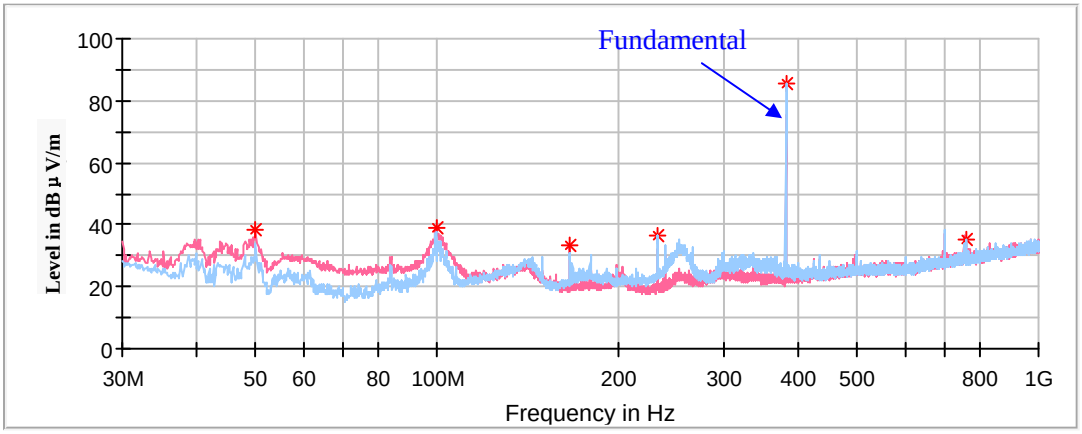
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 380.0MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



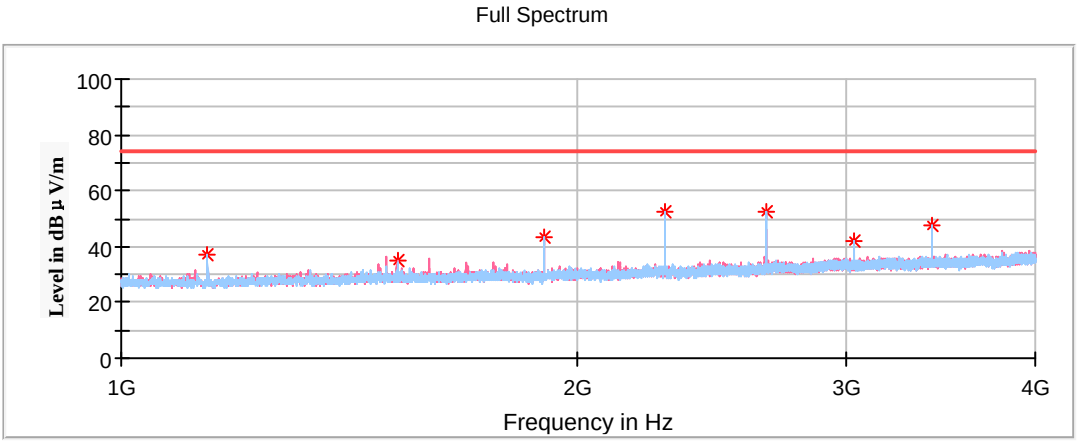
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.66	100	V	276	-18.0	58.84	20.18
99.71	38.74	100	V	2	-15.0	58.84	20.10
166.28	33.55	100	V	172	-13.0	43.50	9.95
232.36	36.53	100	H	235	-13.7	58.84	22.31
380.00	85.22	100	H	303	-9.1	98.84	13.62
760.00	35.31	100	H	303	-2.1	78.84	43.53

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
380.00	85.22	100	H	-13.98	71.24	78.84	7.60
760.00	35.31	100	H	-13.98	21.33	58.84	37.51

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1140.00	36.97	150	H	140	-18.3	54.00	17.03
1520.00	35.13	150	V	78	-16.3	54.00	18.87
1900.00	43.57	150	H	58	-14.8	58.84	15.27
2280.00	52.49	150	H	43	-13.3	54.00	1.51
2660.00	52.63	150	H	2	-11.7	58.84	6.21
3040.00	41.74	150	H	191	-10.0	58.84	17.10
3420.00	47.57	150	H	333	-9.0	58.84	11.27

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

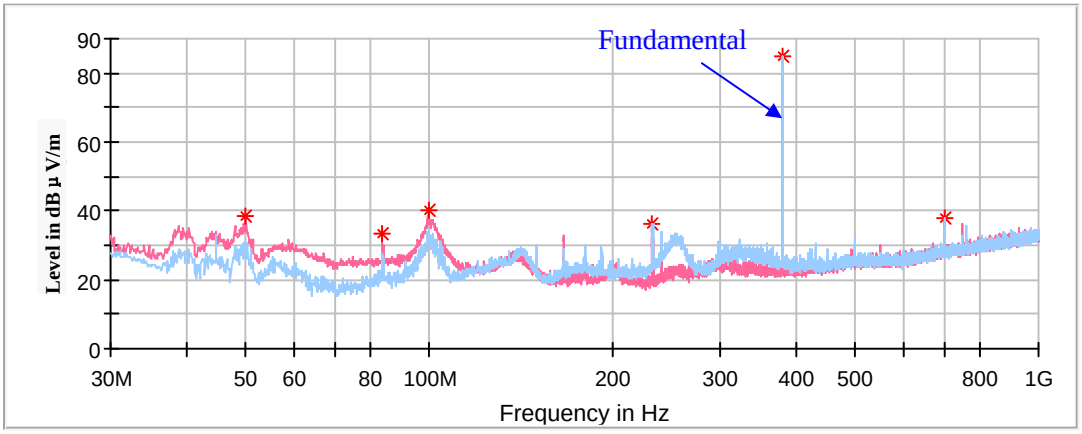
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 380.0MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



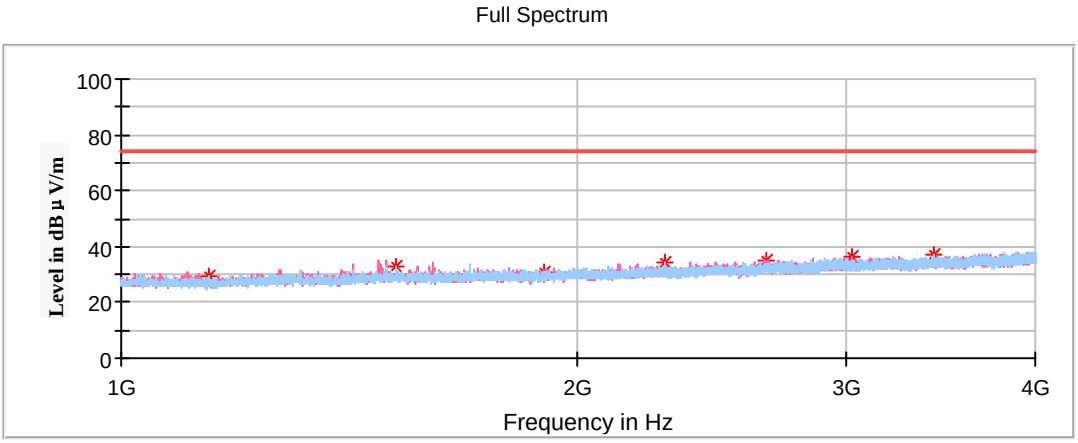
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.31	100	V	246	-18.0	58.84	20.53
83.83	33.38	100	V	295	-17.9	58.84	25.46
99.59	39.99	100	V	14	-15.1	58.84	18.85
232.36	36.49	100	H	232	-13.7	58.84	22.35
380.00	84.85	100	H	201	-9.1	98.84	13.99
760.00	37.96	200	H	177	-3.0	78.84	40.88

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
380.00	84.85	100	H	-13.98	70.87	78.84	7.97
760.00	37.96	200	H	-13.98	23.98	58.84	34.86

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1140.00	29.46	150	H	298	-18.3	54.00	24.54
1520.00	32.58	150	H	216	-16.3	54.00	21.42
1900.00	31.02	150	H	257	-14.8	58.84	27.82
2280.00	33.94	150	H	356	-13.3	54.00	20.06
2660.00	34.90	150	V	307	-11.7	58.84	23.94
3040.00	36.70	150	V	113	-10.0	58.84	22.14
3420.00	37.11	150	H	165	-9.0	58.84	21.73

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

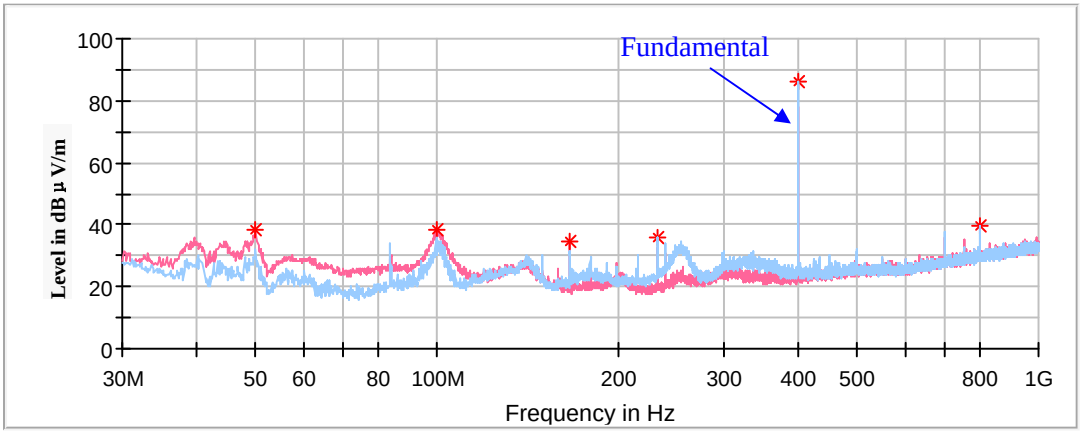
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 399.5MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



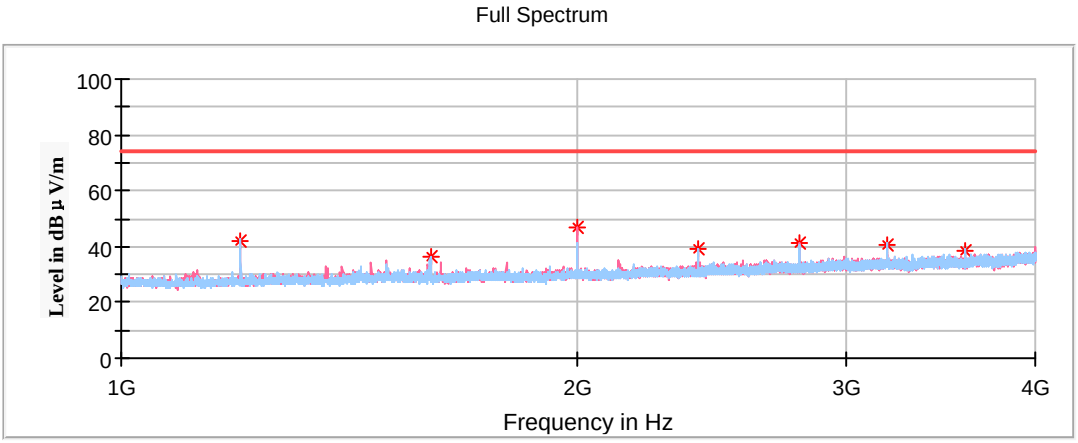
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.26	100	H	283	-18.0	59.61	21.35
99.71	38.37	100	V	78	-15.0	59.61	21.24
165.92	34.38	100	V	192	-13.0	43.50	9.12
232.36	36.16	200	H	244	-13.7	59.61	23.45
399.50	86.03	100	H	96	-8.6	99.61	13.58
799.00	39.70	100	H	101	-1.4	79.61	39.91

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
399.50	86.03	100	H	-13.98	72.05	79.61	7.56
799.00	39.70	100	H	-13.98	25.72	59.61	33.89

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1198.50	42.14	150	H	160	-18.0	54.00	11.86
1598.00	36.64	150	H	109	-16.0	54.00	17.36
1997.50	46.80	150	V	265	-14.5	59.61	12.81
2397.00	39.43	150	H	170	-12.8	59.61	20.18
2796.50	41.19	150	V	317	-11.0	54.00	12.81
3196.00	40.87	150	H	356	-9.6	59.61	18.74
3595.50	38.80	150	V	1	-8.5	59.61	20.81

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

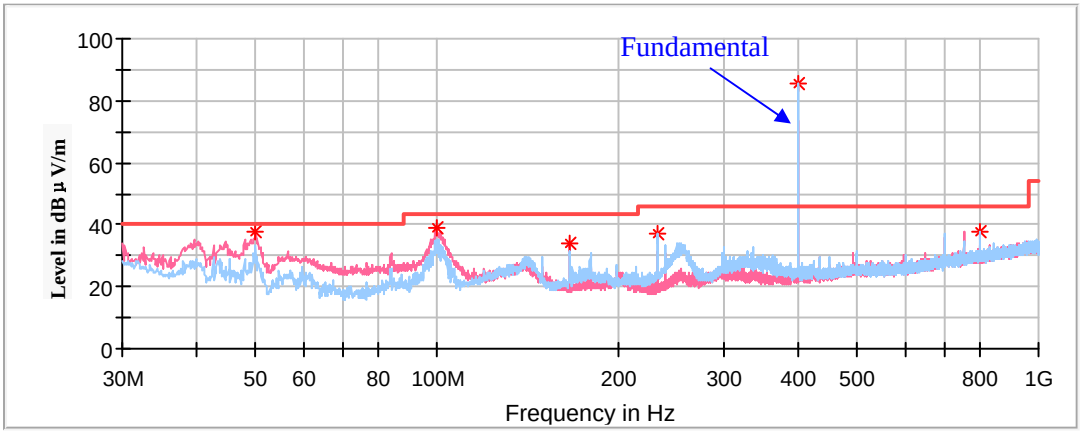
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 399.5MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



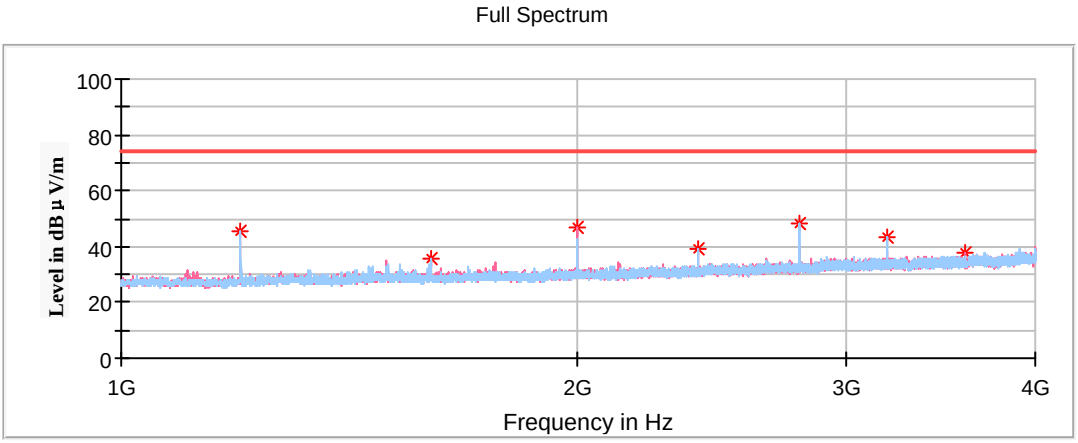
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	37.88	100	V	272	-18.0	59.61	21.73
99.71	38.85	200	V	355	-15.0	59.61	20.76
166.28	33.69	100	V	169	-13.0	43.50	9.81
232.85	36.94	100	H	223	-13.7	59.61	22.67
399.50	85.36	100	H	150	-8.6	99.61	14.25
799.00	37.77	100	H	331	-1.4	79.61	41.84

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
399.50	85.36	100	H	-13.98	71.38	79.61	8.23
799.00	37.77	100	H	-13.98	23.79	59.61	35.82

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1198.50	45.71	150	H	63	-18.0	54.00	8.29
1598.00	35.35	150	H	11	-16.0	54.00	18.65
1997.50	46.85	150	V	265	-14.5	59.61	12.76
2397.00	39.46	150	H	134	-12.8	59.61	20.15
2796.50	48.09	150	H	24	-11.0	54.00	5.91
3196.00	43.65	150	H	134	-9.6	59.61	15.96
3595.50	37.44	150	V	0	-8.5	59.61	22.17

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

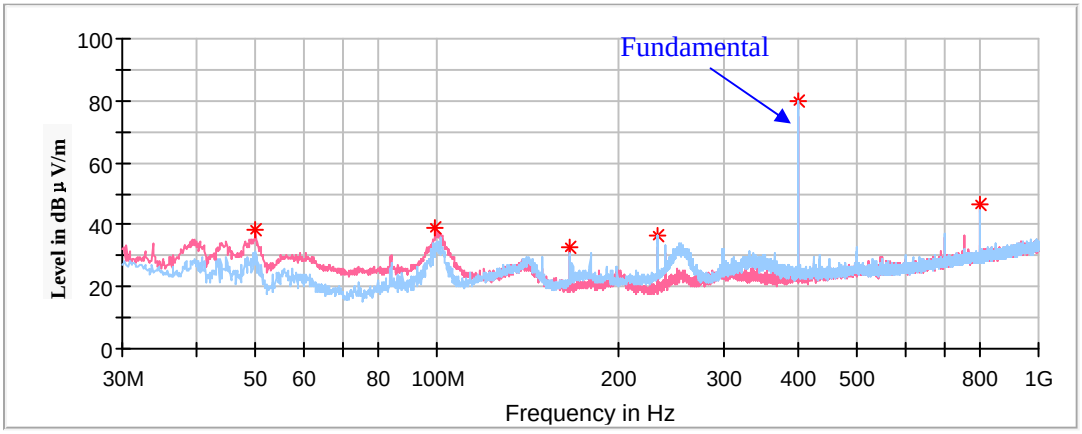
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

High Channel: 399.5MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



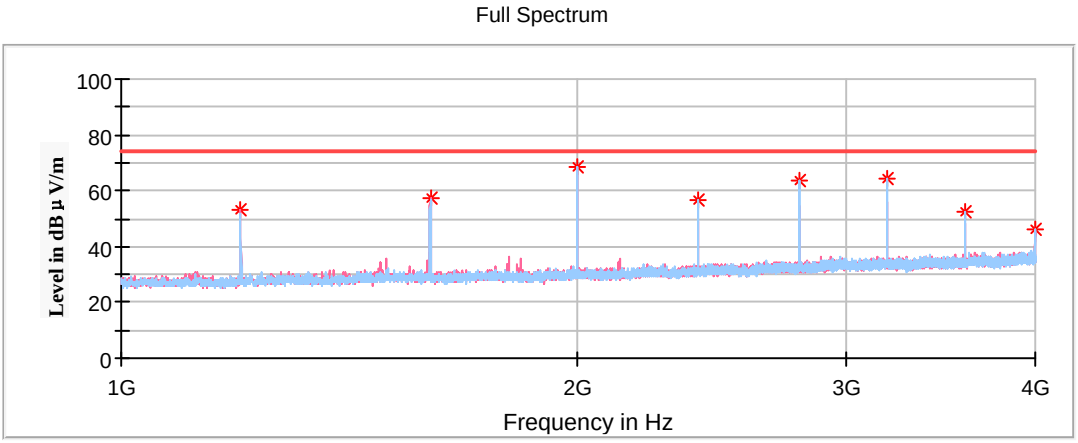
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
50.00	38.41	100	H	307	-18.0	59.61	21.20
99.59	38.88	100	V	21	-15.1	59.61	20.73
166.28	32.41	100	V	185	-13.0	43.50	11.09
232.85	36.46	100	H	231	-13.7	59.61	23.15
399.50	79.98	100	H	348	-8.6	99.61	19.63
799.00	46.77	100	V	0	-1.4	79.61	32.84

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
399.50	79.98	100	H	-13.98	66.00	79.61	13.61
799.00	46.77	100	V	-13.98	32.79	59.61	26.82

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1198.50	53.25	150	V	47	-18.0	74.00	20.75
1598.00	57.27	150	V	286	-16.0	74.00	16.73
1997.50	68.65	150	H	119	-14.5	79.61	10.96
2397.00	56.32	150	H	47	-12.8	79.61	23.29
2796.50	63.94	150	H	170	-11.0	74.00	10.06
3196.00	64.37	150	H	181	-9.6	79.61	15.24
3595.50	52.35	150	H	303	-8.5	79.61	27.26
3995.00	45.85	150	H	150	-7.0	74.00	28.15

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1198.50	53.25	150	V	-13.98	39.27	54.00	14.73
1598.00	57.27	150	V	-13.98	43.29	54.00	10.71
1997.50	68.65	150	H	-13.98	54.67	59.61	4.94
2397.00	56.32	150	H	-13.98	42.34	59.61	17.27
2796.50	63.94	150	H	-13.98	49.96	54.00	4.04
3196.00	64.37	150	H	-13.98	50.39	59.61	9.22
3595.50	52.35	150	H	-13.98	38.37	59.61	21.24
3995.00	45.85	150	H	-13.98	31.87	54.00	22.13

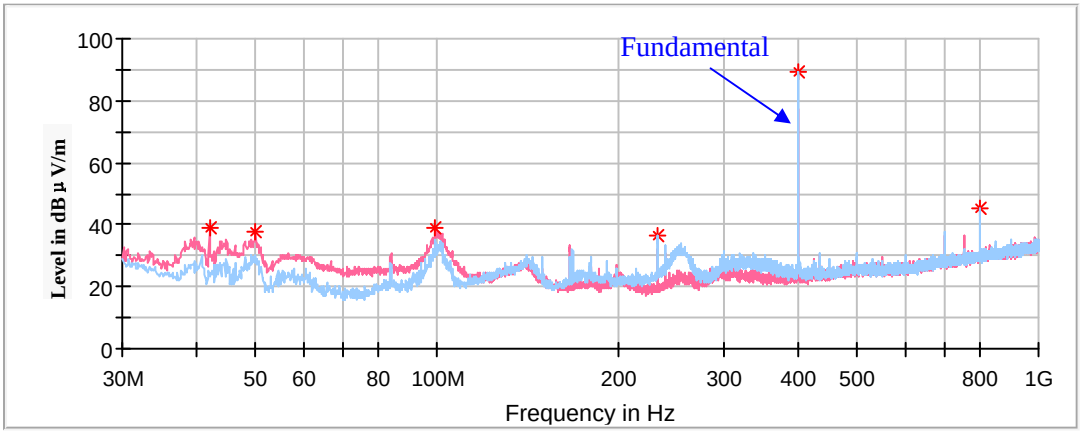
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

High Channel: 399.5MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



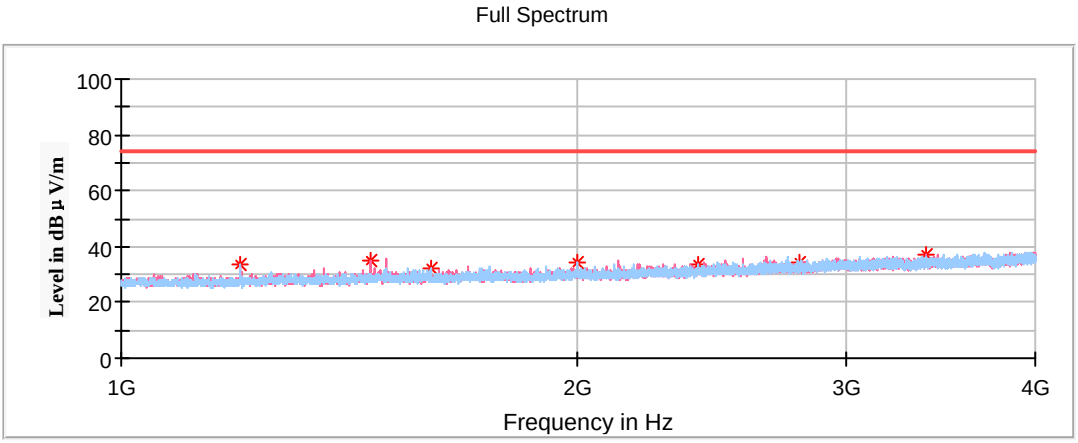
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
41.88	38.79	100	V	5	-12.5	59.61	20.82
50.00	37.80	100	V	289	-18.0	59.61	21.81
99.59	38.86	100	V	352	-15.1	43.50	4.64
232.85	36.63	100	H	253	-13.7	59.61	22.98
399.50	89.30	100	H	213	-8.6	99.61	10.31
799.00	45.58	100	H	219	-1.4	79.61	34.03

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
399.50	89.30	100	H	-13.98	75.32	79.61	4.29
799.00	45.58	100	H	-13.98	31.60	59.61	28.01

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1198.50	33.77	150	H	134	-18.0	54.00	20.23
1459.90	35.12	150	V	174	-16.6	54.00	18.88
1598.00	32.29	150	H	149	-16.0	54.00	21.71
1997.50	34.48	150	H	351	-14.5	59.61	25.13
2397.00	33.77	150	H	114	-12.8	59.61	25.84
2796.50	34.32	150	H	42	-11.0	54.00	19.68
3387.70	37.13	150	V	118	-9.1	59.61	22.48

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

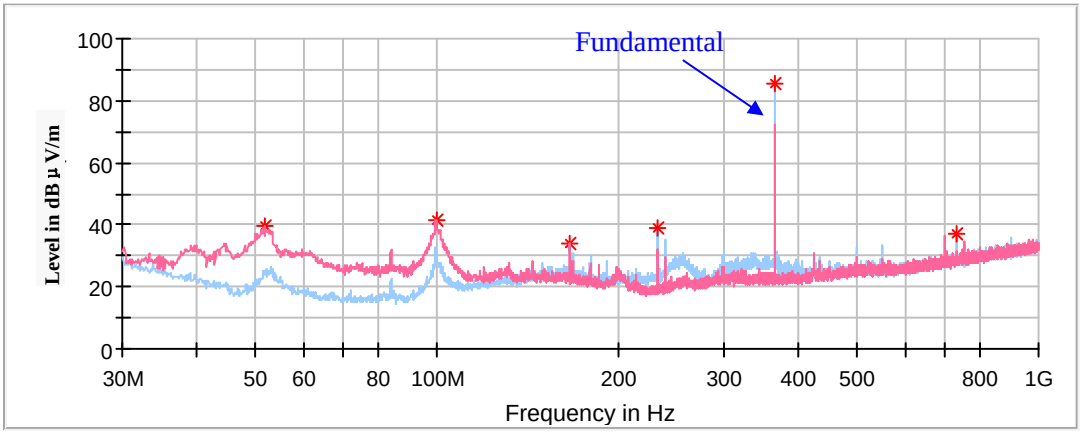
Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

For OOK Modulation:

Low Channel: 365.0MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



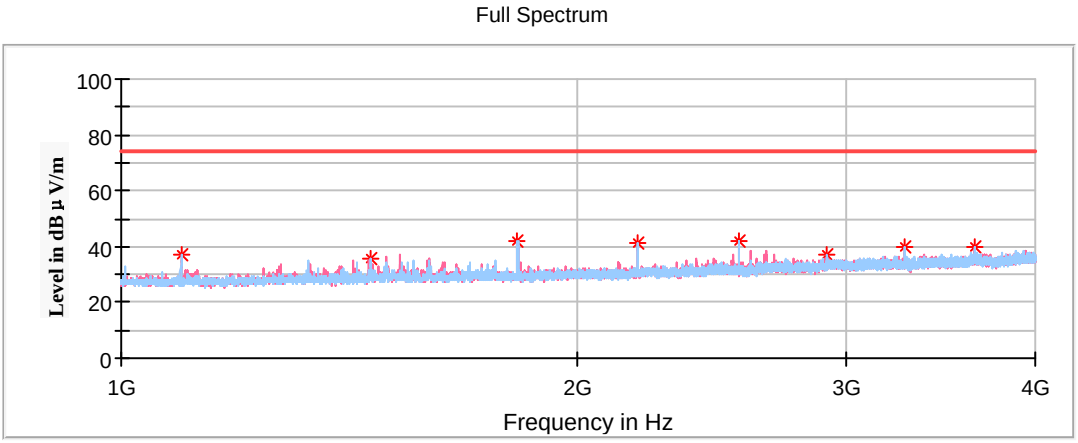
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.70	39.53	100	V	277	-18.0	58.20	18.67
99.71	41.52	100	V	75	-15.0	58.20	16.68
166.28	33.91	100	V	186	-13.0	43.50	9.59
232.85	38.93	100	H	237	-13.7	58.20	19.27
365.00	85.24	100	H	315	-9.5	98.20	12.96
730.00	37.06	100	H	327	-2.6	78.20	41.14

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	85.24	100	H	-13.98	71.26	78.20	6.94
730.00	37.06	100	H	-13.98	23.08	58.20	35.12

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1095.00	36.82	150	H	184	-18.6	54.00	17.18
1460.00	35.61	150	H	31	-16.6	54.00	18.39
1825.00	41.94	150	H	354	-15.1	58.20	16.26
2190.00	40.91	150	H	235	-13.7	58.20	17.29
2555.00	42.26	150	H	72	-12.2	58.20	15.94
2920.00	36.84	150	H	0	-10.5	58.20	21.36
3285.00	39.81	150	H	358	-9.4	58.20	18.39
3650.00	40.05	150	H	336	-8.3	54.00	13.95

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

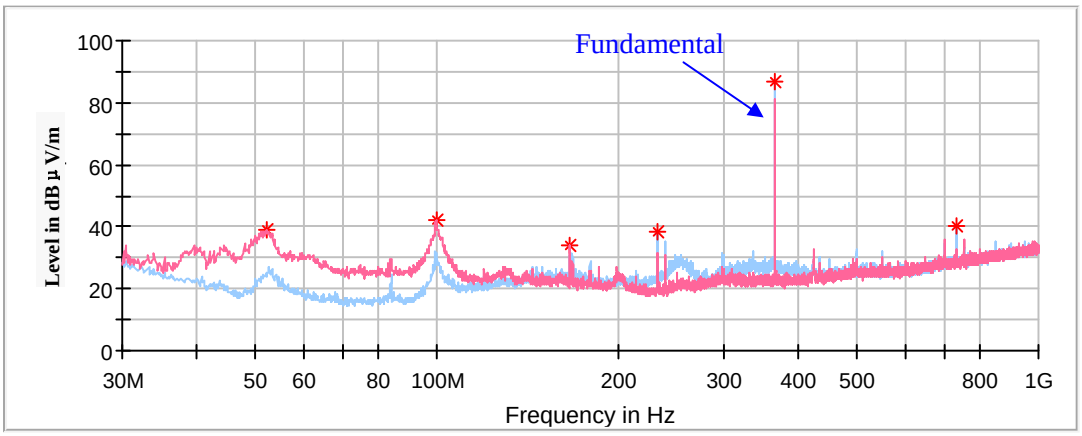
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 365.0MHz (ANT 2)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



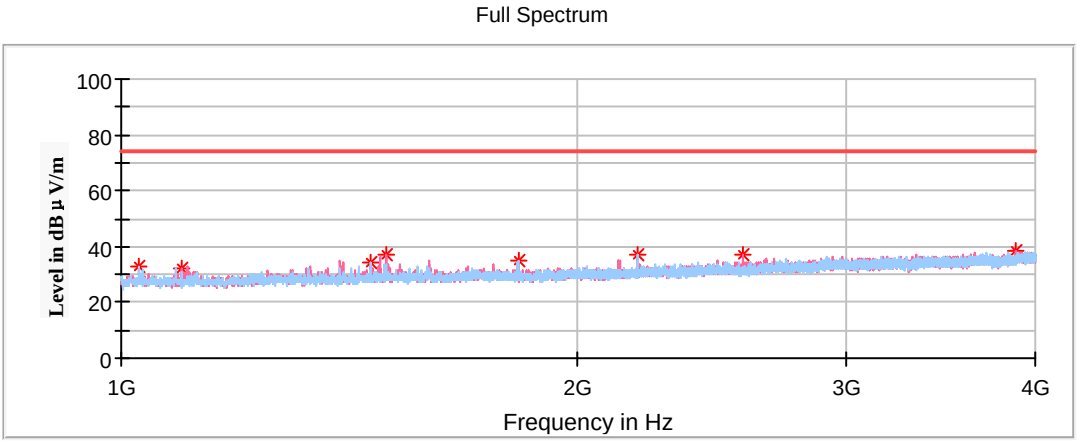
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
52.06	39.25	100	V	230	-18.0	58.20	18.95
99.71	41.83	100	V	33	-15.0	58.20	16.37
166.66	34.22	100	V	224	-13.0	43.50	9.28
232.36	38.23	100	H	256	-13.7	58.20	19.97
365.00	86.98	100	H	46	-9.5	98.20	11.22
730.00	39.94	100	H	46	-2.6	78.20	38.26

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	86.98	100	H	-13.98	73.00	78.20	5.20
730.00	39.94	100	H	-13.98	25.96	58.20	32.24

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1028.20	32.75	150	H	317	-18.9	54.00	21.25
1095.00	32.20	150	V	268	-18.6	54.00	21.80
1460.00	34.05	150	H	343	-16.6	54.00	19.95
1495.00	36.89	150	V	299	-16.4	54.00	17.11
1825.00	34.79	150	H	204	-15.1	58.20	23.41
2190.00	36.85	150	V	75	-13.7	58.20	21.35
2555.00	36.87	150	V	278	-12.1	58.20	21.33
3879.70	38.69	150	V	166	-7.4	54.00	15.31

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

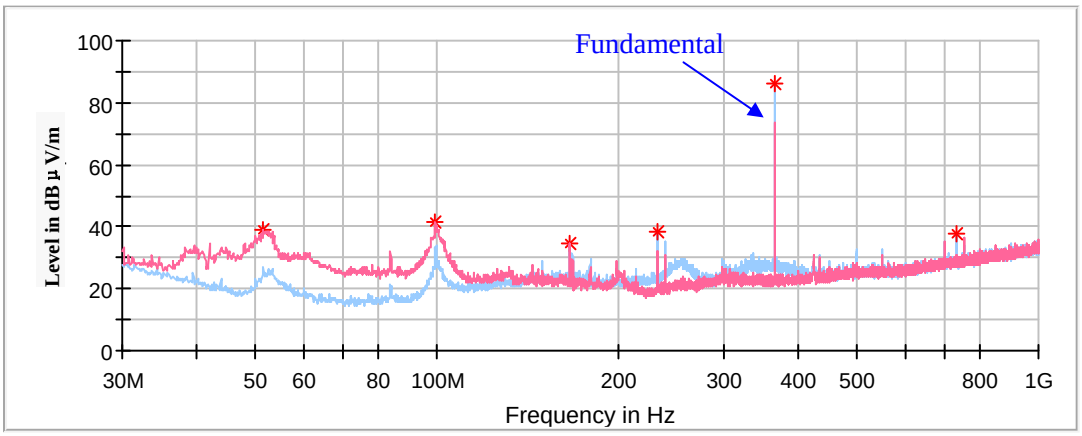
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Low Channel: 365.0MHz (ANT 3)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



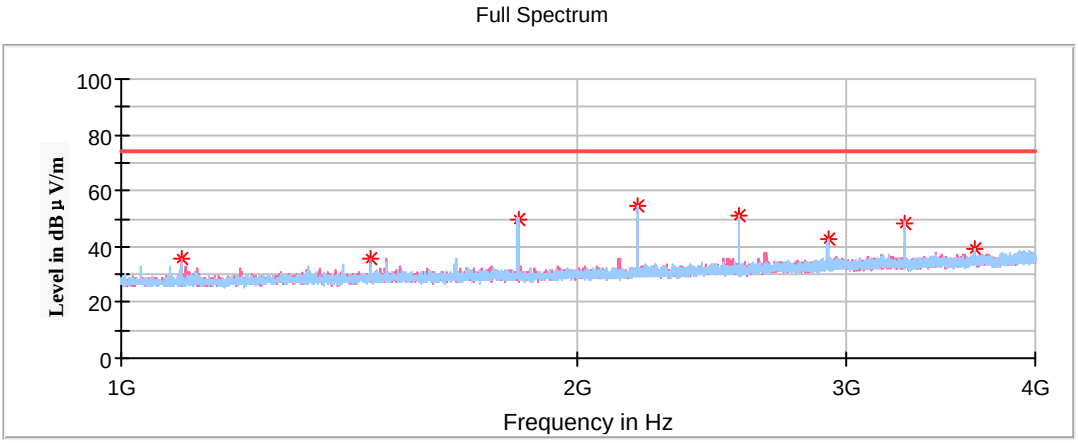
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.46	39.21	100	V	286	-18.0	58.20	18.99
99.59	41.38	100	V	71	-15.1	58.20	16.82
165.92	34.59	100	V	174	-13.0	43.50	8.91
232.36	38.21	100	H	258	-13.7	58.20	19.99
365.00	85.96	100	H	313	-9.5	98.20	12.24
730.00	37.79	100	H	313	-2.6	78.20	40.41

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	85.96	100	H	-13.98	71.98	78.20	6.22
730.00	37.79	100	H	-13.98	23.81	58.20	34.39

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1095.00	35.58	150	V	268	-18.6	74.00	38.42
1460.00	35.78	150	V	95	-16.6	74.00	38.22
1825.00	49.47	150	H	265	-15.1	78.20	28.73
2190.00	54.73	150	H	67	-13.7	78.20	23.47
2555.00	51.38	150	H	4	-12.2	78.20	26.82
2920.00	42.45	150	H	194	-10.5	78.20	35.75
3285.00	48.54	150	H	204	-9.4	78.20	29.66
3650.00	39.33	150	V	11	-8.3	74.00	34.67

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
1095.00	35.58	150	V	-13.98	21.60	54.00	32.40
1460.00	35.78	150	V	-13.98	21.80	54.00	32.20
1825.00	49.47	150	H	-13.98	35.49	58.20	22.71
2190.00	54.73	150	H	-13.98	40.75	58.20	17.45
2555.00	51.38	150	H	-13.98	37.40	58.20	20.80
2920.00	42.45	150	H	-13.98	28.47	58.20	29.73
3285.00	48.54	150	H	-13.98	34.56	58.20	23.64
3650.00	39.33	150	V	-13.98	25.35	54.00	28.65

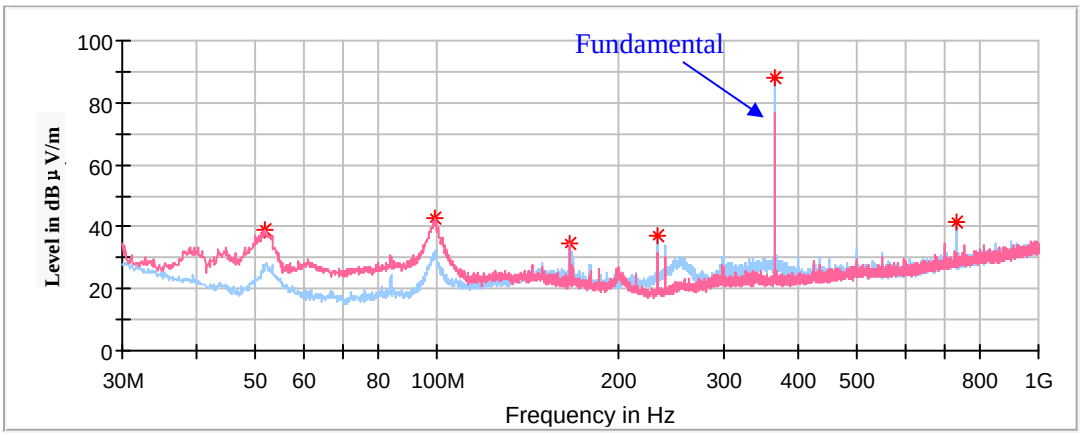
Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Low Channel: 365.0MHz (ANT 4)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



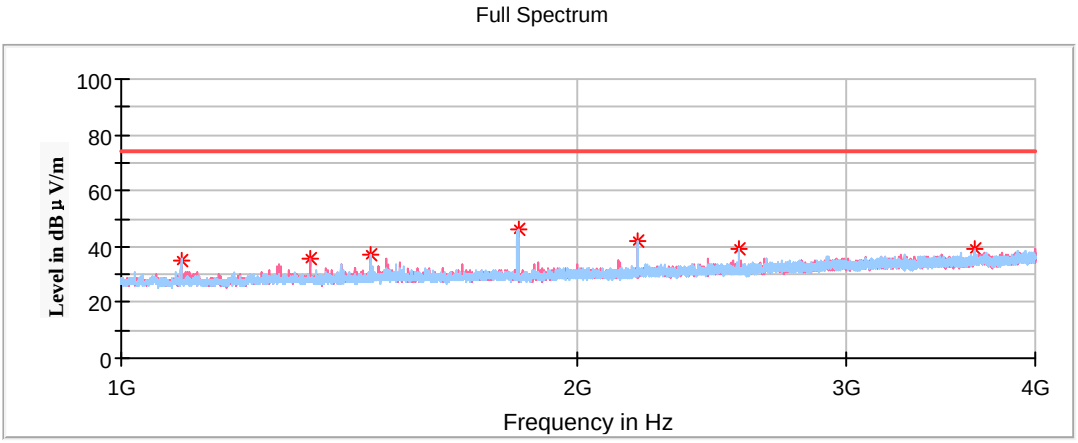
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.70	38.72	100	V	282	-18.0	58.20	19.48
99.59	42.52	100	V	348	-15.1	58.20	15.68
166.28	34.38	100	V	185	-13.0	43.50	9.12
232.85	37.34	100	H	242	-13.7	58.20	20.86
365.00	87.80	100	H	326	-9.5	98.20	10.40
730.00	41.74	100	H	320	-2.6	78.20	36.46

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
365.00	87.80	100	H	-13.98	73.82	78.20	4.38
730.00	41.74	100	H	-13.98	27.76	58.20	30.44

1GHz-4GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
1095.00	35.08	150	V	268	-18.6	54.00	18.92
1330.60	35.39	150	V	247	-17.3	54.00	18.61
1460.00	36.78	150	H	164	-16.6	54.00	17.22
1825.00	46.33	150	H	164	-15.1	58.20	11.87
2190.00	41.68	150	H	245	-13.7	58.20	16.52
2555.00	39.40	150	H	153	-12.2	58.20	18.80
3650.00	38.99	150	V	17	-8.3	54.00	15.01

Note 1:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

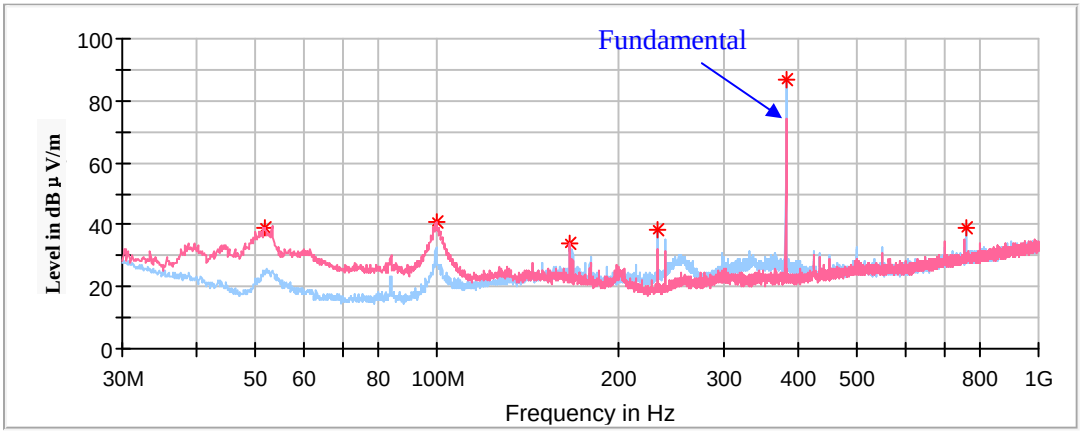
Note 2:
Calculate Average value based on Duty Cycle correction factor:
The manufacturer declared that the maximum duty cycle is 20%.
Duty Cycle Corrected Factor =20*log(20%) = -13.98dB
Average value = Peak value + Duty Cycle Corrected Factor

Note 3:
If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

Middle Channel: 380.0MHz (ANT 1)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV/m)	Height (cm)	Polar (H/V)				
51.82	39.03	100	V	327	-18.0	58.84	19.81
99.71	41.04	100	V	66	-15.0	58.84	17.80
166.28	33.75	100	V	186	-13.0	43.50	9.75
232.36	38.41	100	H	235	-13.7	58.84	20.43
380.00	86.91	100	H	322	-9.1	98.84	11.93
760.00	38.77	100	H	322	-2.1	78.84	40.07

Field Strength of Average Emission

Frequency (MHz)	Peak Measurement@3m (dBµV/m)	Height (cm)	Polar (H/V)	Duty Cycle Corrected Factor (dB)	Corrected Ampitude (dBµV/m)	FCC Part 15.231(b)/205/209	
						Limit (dBµV/m)	Margin (dB)
380.00	86.91	100	H	-13.98	72.93	78.84	5.91
760.00	38.77	100	H	-13.98	24.79	58.84	34.05