



TESTING LABORATORY
CERTIFICATE#4323.01



FCC PART 15.247

TEST REPORT

For

MeiG Smart Technology Co., Ltd

3/F, No. 88, Qinjiang Road, Xuhui District, Shanghai, China.

FCC ID: 2APJ4-SLM756

Report Type: CIIPC	Product Type: Smart Module
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Report Number:	RSHD200330001-00B
Report Date:	2020-05-18
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	MeiG Smart Technology Co., Ltd
Tested Model:	SLM756
Product Type:	Smart Module
Power Supply:	DC 3.8V
RF Function:	2.4G Wi-Fi, BLE
Operating Band/Frequency:	2.4G Wi-Fi: 2412-2462 MHz, BLE: 2402-2480 MHz
Channel Number:	2.4G Wi-Fi: 11, BLE:40
Channel Separation:	2.4G Wi-Fi: 5 MHz, BLE: 2 MHz
Modulation Type	2.4G Wi-Fi: DSSS,OFDM; BLE: GFSK
Antenna Type:	Omni Antenna
Maximum Antenna Gain:	0 dBi

**All measurement and test data in this report was gathered from production sample serial number: 20200330001.
(Assigned by the BACL. The EUT supplied by the applicant was received on 2020-03-30)*

Objective

This report is prepared on behalf of *MeiG Smart Technology Co., Ltd* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communications Commission rules.

The tests were performed in order to determine Compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

This is a CIIPC report base on the original report RSHA190110001-00C with FCC ID: 2APJ4-SLM756 issued on 2019-03-29, the difference between the original device and the current one is as follows:

1. Change the Antenna type.

The above difference will affect part of tests, “ANTENNA REQUIREMENT” and “SPURIOUS EMISSIONS” were presented in this report, and other data were referred to the original report.

Related Submittal(s)/Grant(s)

FCC Part 15.247 DSS submissions with FCC ID: 2APJ4-SLM756

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 and FCC KDB 558074 D01 15.247 Meas Guidance v05r02.

All 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		3.19dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0°C
Humidity		6%

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

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

Description of Test Configuration

Test channel list is as below:

For 802.11b, 802.11g and 802.11n-HT20 mode, EUT was tested with Channel 1, 6 and 11;

For 802.11n-HT40 mode, EUT was tested with Channel 3, 6 and 9.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	/	/

For BLE mode, EUT was tested with channel 0, 19 and 39.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
18	2438	38	2478
19	2440	39	2480

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

RF test tool: QRCT

Pre-scan with all the data rates, and the worst case was performed as below:

Mode	Data Rate	Power Setting
802.11b	1 Mbps	13
802.11g	6 Mbps	8
802.11n-HT20	MCS0	8
802.11n-HT40	MCS0	8
BLE	1Mbps	Default

Support Equipment List and Details

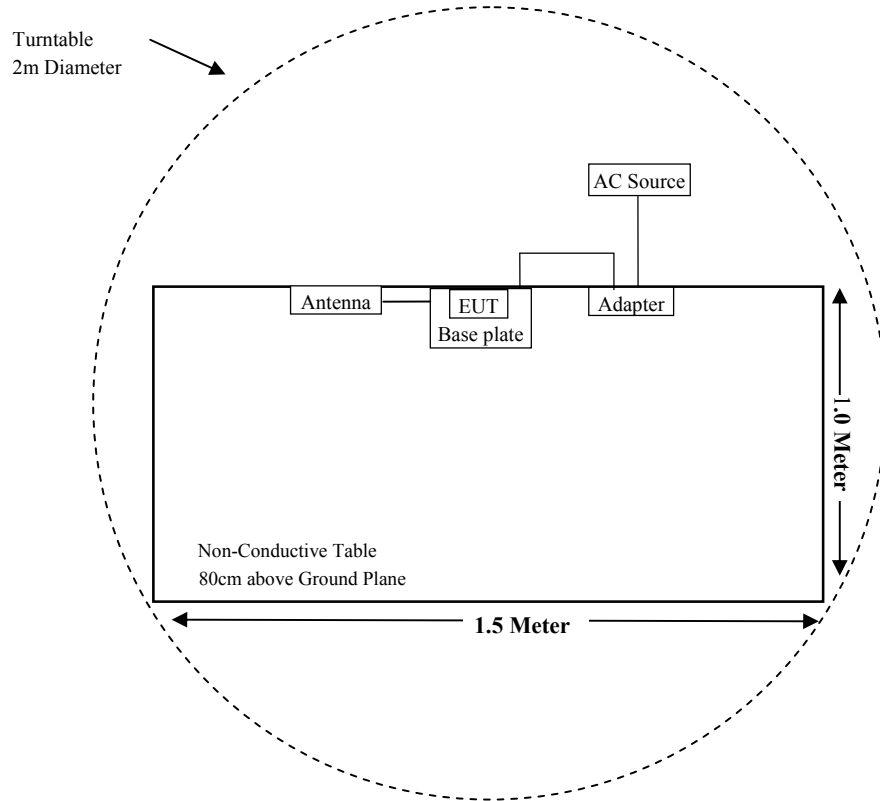
Manufacturer	Description	Model	Serial Number
WEEQU	Adapter	WEEQU-0530DG	/
XiXun	Base plate	LEDOK_V23.2 2019.12	/

External I/O Cable

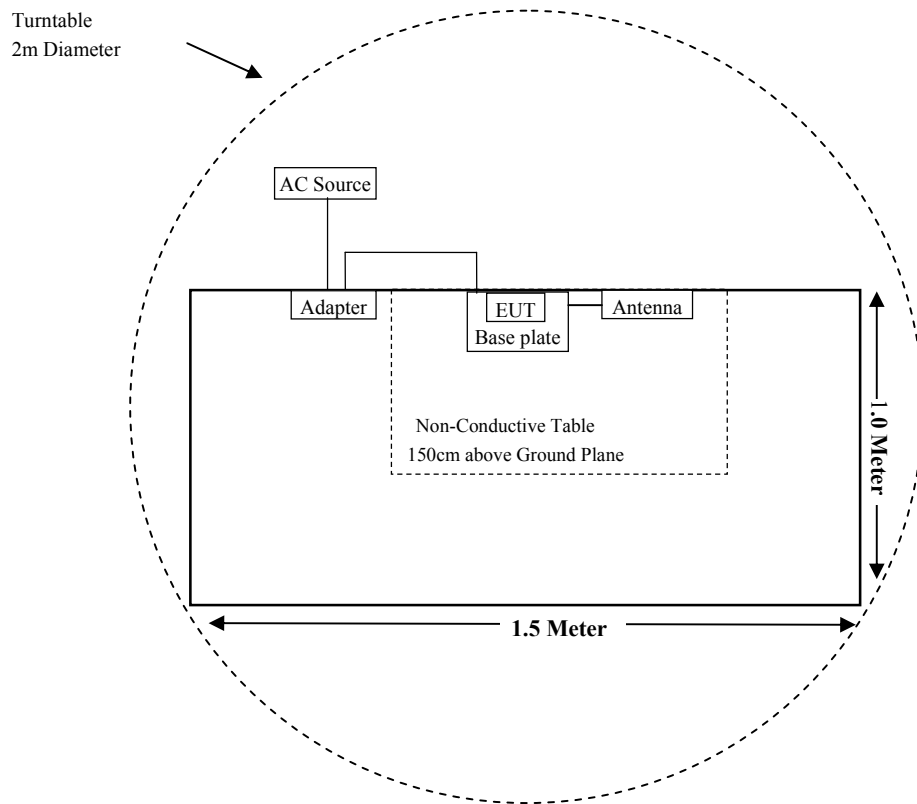
Cable Description	Length (m)	From Port	To
Power Cable	1.0	Base plate	Adapter
Antenna Cable	0.3	Base plate	Antenna

Block Diagram of Test Setup

For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (I), §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant (See Note 1)
§15.247(d)	Spurious Emissions at Antenna Port	Compliant (See Note 1)
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant (See Note 1)
§15.247(b)(3)	Maximum Conducted Output Power	Compliant (See Note 1)
§15.247(d)	Band Edge	Compliant (See Note 1)
§15.247(e)	Power Spectral Density	Compliant (See Note 1)

Note 1: For these items, all the test data please refer to the original report RSHA190110001-00C with FCC ID: 2APJ4-SLM756 issued on 2019-03-29.

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	2019-12-14	2020-12-13
Sunol Sciences	Broadband Antenna	JB3	A090413-1	2017-12-26	2020-12-25
Sonoma Instrument	Pre-amplifier	310N	171205	2019-08-14	2020-08-13
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-8	008	2019-08-15	2020-08-14
MICRO-COAX	Coaxial Cable	Cable-9	009	2019-08-15	2020-08-14
MICRO-COAX	Coaxial Cable	Cable-10	010	2019-08-15	2020-08-14
Radiated Emission Test (Chamber 2#)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207	2020-04-01	2021-03-31
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2017-07-15	2020-07-14
ETS-LINDGREN	Horn Antenna	3116	2516	2020-01-17	2023-01-16
A.H.Systems,inc	Amplifier	PAM-0118P	512	2020-02-20	2021-02-19
SELECTOR	Amplifier	EM18G40G	060726	2020-03-22	2021-03-21
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2019-08-05	2020-08-04
Narda	Attenuator	10dB	010	2019-08-15	2020-08-14
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-6	006	2019-08-15	2020-08-14
MICRO-COAX	Coaxial Cable	Cable-11	011	2019-08-15	2020-08-14
MICRO-COAX	Coaxial Cable	Cable-12	012	2019-08-15	2020-08-14
MICRO-COAX	Coaxial Cable	Cable-13	013	2019-08-15	2020-08-14

* **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 §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247 (i) and subpart 1.1310, 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/		f/1500	30
1500-100,000	/		1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density

Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Data (worst case):

Mode	Frequency Range (MHz)	Maximum Antenna Gain		Tune-up Conducted Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)	MPE ratio
		(dBi)	(numeric)	(dBm)	(mW)				
802.11b	2412-2462	0.00	1.00	18.00	63.0957	20	0.0126	1.00	0.0126
802.11g		0.00	1.00	17.00	50.1187	20	0.0100	1.00	0.0100
802.11n-HT20		0.00	1.00	17.00	50.1187	20	0.0100	1.00	0.0100
802.11n-HT40	2422-2452	0.00	1.00	17.00	50.1187	20	0.0100	1.00	0.0100
BLE	2402-2480	0.00	1.00	1.00	1.2589	20	0.0003	1.00	0.0003
BT 3.0	2402-2480	0.00	1.00	12.00	15.8489	20	0.0032	1.00	0.0032

Calculation of maximum antenna gain based on ERP/EIRP

Mode	Max Tune-up Power (dBm)	ERP/EIRP Limit (dBm)	Max Antenna Gain (dBd)	Max Antenna Gain (dBi)
WCDMA Band II	23.00	33.00	/	10.00
WCDMA Band IV	23.00	30.00	/	7.00
WCDMA Band V	24.00	38.45	14.45	16.60
FDD (Band 2)	22.00	33.00	/	11.00
FDD (Band 4)	23.00	30.00	/	7.00
FDD (Band 5)	23.00	38.45	15.45	17.60
FDD (Band 7)	23.00	33.00	/	10.00
FDD (Band 12)	25.00	34.77	9.77	11.92
FDD (Band 13)	23.00	34.77	11.77	13.92
FDD (Band 17)	25.00	34.77	9.77	11.92

Note: 0dBd=2.15dBi

Calculation of maximum antenna gain based on MPE Ratio

Mode	Frequency Range	Tune-up Conducted Power		Power Density Limit	Maximum Power Density	Evaluation Distance	Maximum Antenna Gain Allowed based on MPE		MPE ratio
	(MHz)	(dBm)	(mW)	(mW/cm ²)	(mW/cm ²)	(cm)	(numeric)	(dBi)	
WCDMA Band II	1850.0-1910.0	23.00	199.5262	1.00	0.9855	20	24.83	13.95	0.9855
WCDMA Band IV	1710.0-1755.0	23.00	199.5262	1.00	0.9855	20	24.83	13.95	0.9855
WCDMA Band V	824.0-849.0	24.00	251.1886	0.55	0.5416	20	10.84	10.35	0.9847
FDD (Band 2)	1850.0-1910.0	22.00	158.4893	1.00	0.9855	20	31.26	14.95	0.9855
FDD (Band 4)	1710.0-1755.0	23.00	199.5262	1.00	0.9855	20	24.83	13.95	0.9855
FDD (Band 5)	824.0-849.0	23.00	199.5262	0.55	0.5416	20	13.65	11.35	0.9847
FDD (Band 7)	2500.0-2570.0	23.00	199.5262	1.00	0.9855	20	24.83	13.95	0.9855
FDD (Band 12)	699.0-716.0	25.00	316.2278	0.47	0.4631	20	7.36	8.67	0.9853
FDD (Band 13)	777.0-787.0	23.00	199.5262	0.52	0.5125	20	12.91	11.11	0.9856
FDD (Band 17)	704.0-716.0	25.00	316.2278	0.47	0.4631	20	7.36	8.67	0.9853

Note: Wi-Fi/ BLE/ BT 3.0& WCDMA/FDD can transmit simultaneously; the worst condition is 802.11b of Wi-Fi & FDD (Band13), as below:

$$\sum_i \frac{S_i}{S_{Limit,i}} = 0.0126 + 0.9856 = 0.9982 < 1.0$$

Mode	Max Allow Antenna Gain (dBi)
WCDMA Band II/LTE Band 2	10.0
WCDMA Band IV/LTE Band 4	7.00
WCDMA Band V/LTE Band 5	10.35
LTE Band 7	10.00
LTE Band 12/LTE Band 17	8.67
LTE Band 13	11.11

Result: To meet RF exposure & ERP/ERIP, the maximum net gains of antennas allowed are 10dBi@ WCDMA Band II/LTE Band 2 , 7dBi@ WCDMA Band IV/LTE Band 4 , 10.35dBi@ WCDMA Band V/LTE Band 5 , 10.00dBi @LTE Band 7, 8.67dBi @ LTE Band 12/LTE Band 17, 11.11dBi @ LTE Band 13. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm. The transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine Compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
 - b. Antenna must use a unique type of connector to attach to the EUT.
- Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has been tested with an Omni antenna for 2.4G Wi-Fi & BLE and the antenna gain is 0 dBi, which have a unique type of connector, fulfill the requirement of this section. Please refer to the EUT photos.

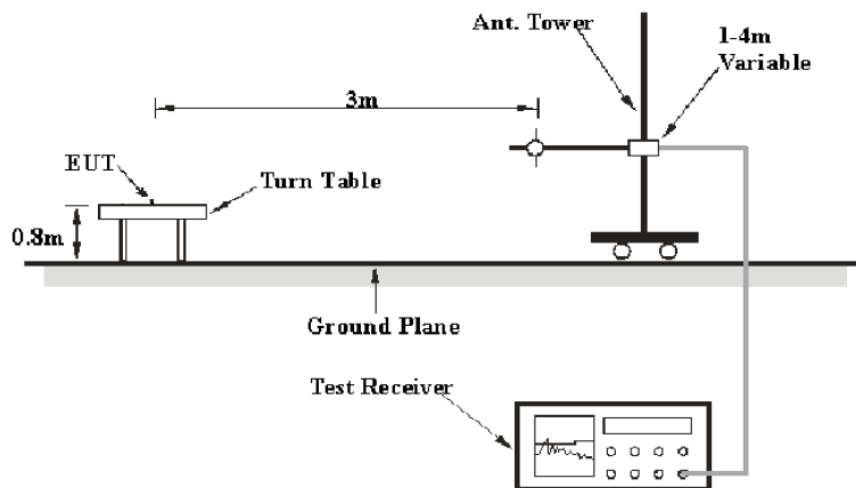
Result: Compliant.

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS**Applicable Standard**

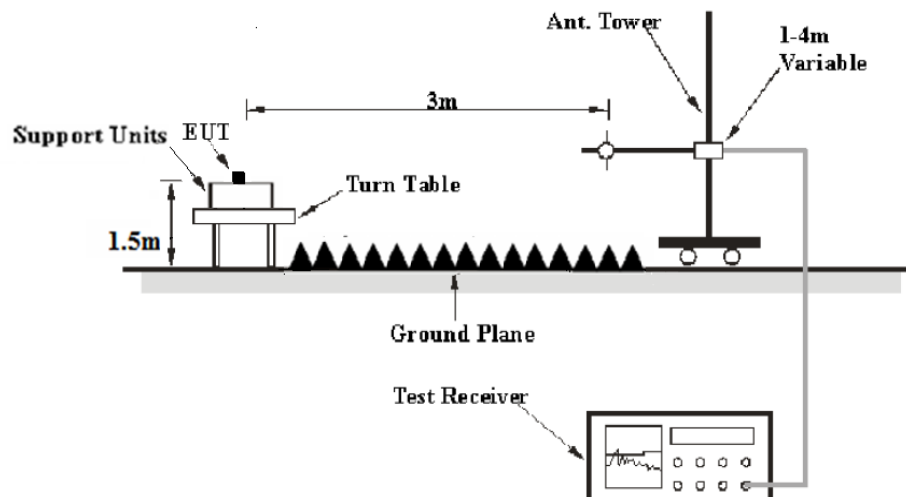
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1 GHz:



Above 1GHz:



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 15.209, and FCC 15.247 limits.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 25 GHz.

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

Frequency Range	RBW	VBW	Detector	Duty cycle	Measurement method
30-1000MHz	120 kHz	/	QP	/	QP
Above 1GHz	1MHz	3MHz	PK	/	PK
	1MHz	3MHz	RMS	>98%	AVE
	1MHz	1/T	PK	<98%	AVE

Test Procedure

According to ANSI C63.10-2013 clause 6.5, 6.6 and 6.7.

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

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection mode for frequencies above 1 GHz.

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:

$$\text{Corrected Amplitude (dB}\mu\text{V/m)} = \text{Meter Reading (dB}\mu\text{V)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

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:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Corrected Amplitude (dB}\mu\text{V/m)}$$

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Test Data**Environmental Conditions**

Temperature:	22.1~25.5 °C
Relative Humidity:	50~52 %
ATM Pressure:	101.1~101.3 kPa

The testing was performed by Jack Jiao from 2020-05-12 to 2020-05-18.

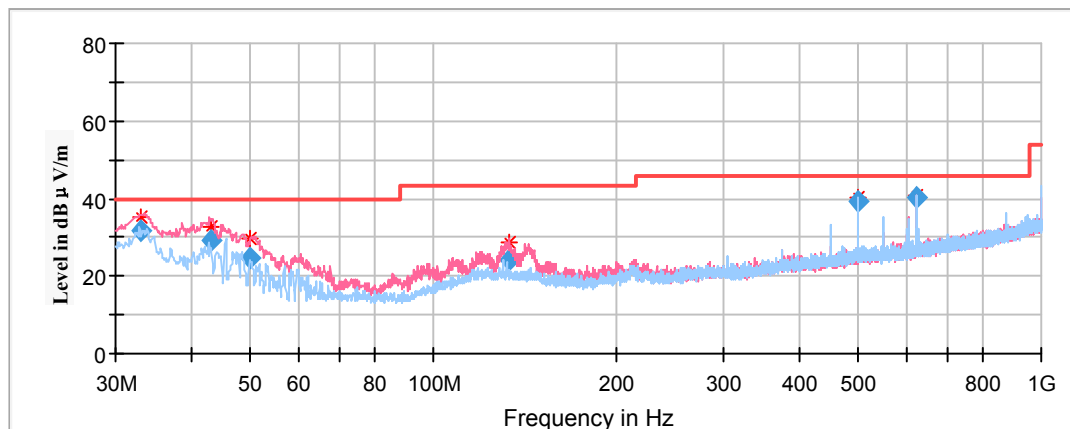
Test Result: Compliant.

EUT operation mode: Transmitting

For Wi-Fi Mode:

Spurious Emission Test:**30MHz-1GHz:**

Pre-scan with 802.11b, 802.11g, 802.11n-HT20 and 802.11n-HT40 modes of operation in the X,Y and Z axes of orientation, the worst case **low channel of 802.11b mode in Z-axis of orientation** was recorded



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	QuasiPeak (dBμV/m)	Height (cm)	Polar (H/V)				
32.903000	31.62	100.0	V	160.0	-5.9	40.00	8.38
43.192100	29.28	100.0	V	140.0	-12.9	40.00	10.72
50.101450	24.42	100.0	V	160.0	-17.5	40.00	15.58
133.738650	23.94	100.0	V	264.0	-11.7	43.50	19.56
500.006400	39.49	100.0	H	127.0	-6.1	46.00	6.51
625.015750	40.10	100.0	H	132.0	-4.7	46.00	5.90

1GHz-18GHz:**802.11b Mode:**

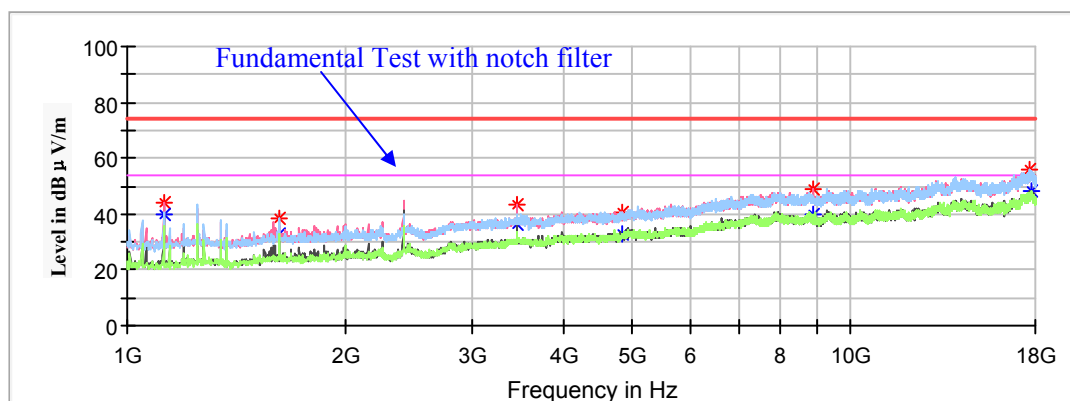
(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded)

Note:

1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
 Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
 Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Low Channel: 2412MHz

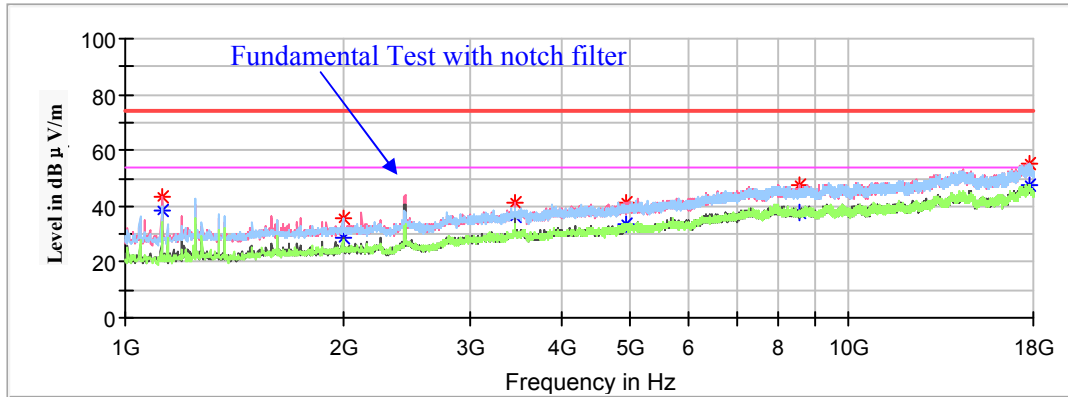
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	39.79	200.0	V	212.0	-18.4	54.00	14.21
1124.100000	44.37	---	200.0	V	212.0	-18.4	74.00	29.63
1623.900000	---	33.15	200.0	H	348.0	-15.9	54.00	20.85
1623.900000	38.70	---	200.0	H	348.0	-15.9	74.00	35.30
3454.800000	---	36.66	200.0	V	306.0	-8.9	54.00	17.34
3454.800000	43.02	---	200.0	V	306.0	-8.9	74.00	30.98
4824.000000	---	33.02	100.0	V	14.0	-5.5	54.00	20.98
4824.000000	40.58	---	100.0	V	14.0	-5.5	74.00	33.42
8848.900000	---	39.87	150.0	H	109.0	1.7	54.00	14.13
8848.900000	48.75	---	150.0	H	109.0	1.7	74.00	25.25
17680.400000	56.18	---	150.0	H	139.0	8.9	74.00	17.82
17680.400000	---	48.08	150.0	H	139.0	8.8	54.00	5.92

Middle Channel: 2437MHz

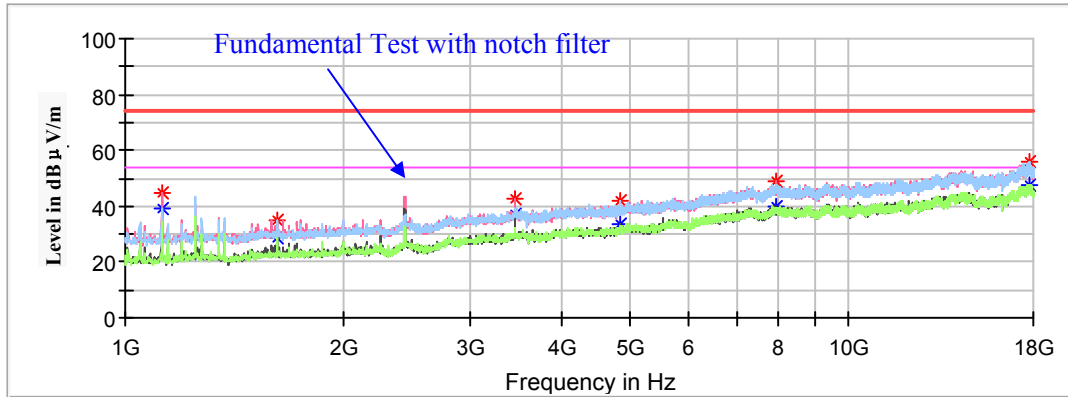
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	38.30	200.0	V	328.0	-18.4	54.00	15.70
1124.100000	43.50	---	200.0	V	328.0	-18.4	74.00	30.50
1999.600000	---	28.33	150.0	V	265.0	-14.5	54.00	25.67
1999.600000	35.94	---	150.0	V	265.0	-14.5	74.00	38.06
3454.800000	41.59	---	150.0	V	309.0	-8.9	74.00	32.41
3454.800000	---	36.30	150.0	V	309.0	-8.9	54.00	17.70
4874.000000	---	33.86	150.0	H	204.0	-5.4	54.00	20.14
4874.000000	41.43	---	150.0	H	204.0	-5.4	74.00	32.57
8568.400000	---	38.06	150.0	V	250.0	1.4	54.00	15.94
8568.400000	47.50	---	150.0	V	250.0	1.4	74.00	26.50
17741.600000	55.37	---	150.0	H	37.0	8.8	74.00	18.63
17741.600000	---	47.81	150.0	H	37.0	8.8	54.00	6.19

High Channel: 2462MHz

Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	39.11	200.0	V	207.0	-18.4	54.00	14.89
1124.100000	44.51	---	200.0	V	207.0	-18.4	74.00	29.49
1623.900000	---	28.89	150.0	V	296.0	-15.9	54.00	25.11
1623.900000	34.87	---	150.0	V	296.0	-15.9	74.00	39.13
3454.800000	---	36.80	200.0	V	310.0	-8.9	54.00	17.20
3454.800000	42.48	---	200.0	V	310.0	-8.9	74.00	31.52
4924.000000	---	33.48	150.0	V	95.0	-5.3	54.00	20.52
4924.000000	41.91	---	150.0	V	95.0	-5.3	74.00	32.09
7919.000000	---	39.97	150.0	V	265.0	1.7	54.00	14.03
7919.000000	48.65	---	150.0	V	265.0	1.7	74.00	25.35
17782.400000	---	47.71	150.0	H	221.0	8.8	54.00	6.29
17782.400000	56.07	---	150.0	H	221.0	8.8	74.00	17.93

802.11g Mode:

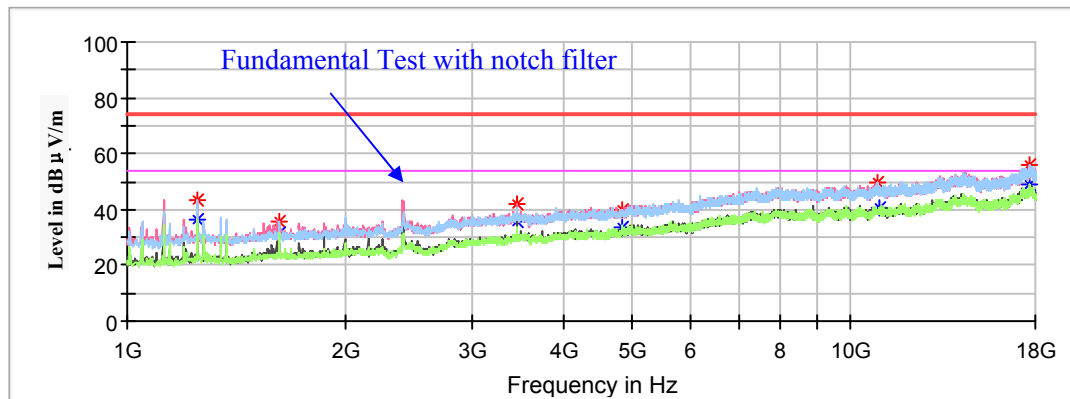
(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded)

Note:

1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
 Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
 Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Low Channel: 2412MHz

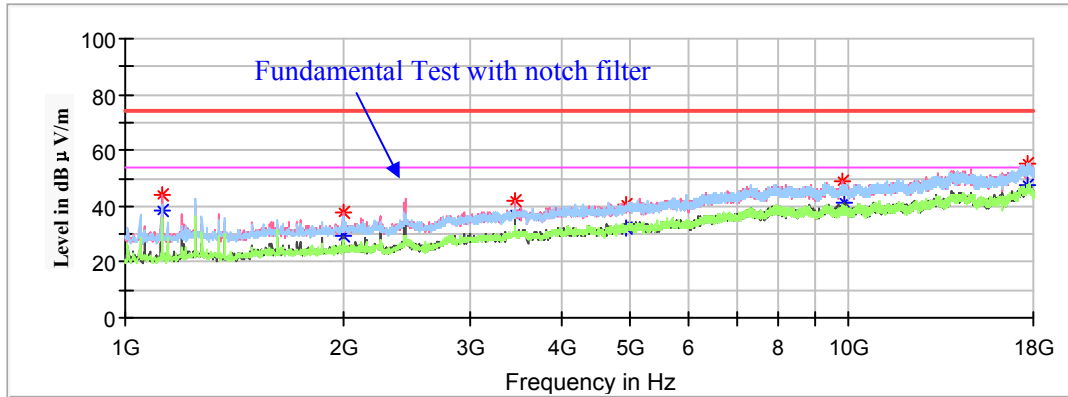
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1248.200000	---	36.29	200.0	H	325.0	-17.7	54.00	17.71
1248.200000	43.54	---	200.0	H	325.0	-17.7	74.00	30.46
1623.900000	---	31.50	150.0	H	341.0	-15.9	54.00	22.50
1623.900000	35.67	---	150.0	H	341.0	-15.9	74.00	38.33
3454.800000	---	35.94	100.0	V	312.0	-8.9	54.00	18.06
3454.800000	42.00	---	100.0	V	312.0	-8.9	74.00	32.00
4824.000000	39.73	---	100.0	H	265.0	-5.5	74.00	34.27
4824.000000	---	33.79	100.0	H	265.0	-5.5	54.00	20.21
10922.900000	49.70	---	200.0	H	126.0	2.8	74.00	24.30
10922.900000	---	40.71	200.0	H	126.0	2.8	54.00	13.29
17704.200000	---	48.81	200.0	H	0.0	8.9	54.00	5.19
17704.200000	56.22	---	200.0	H	0.0	8.9	74.00	17.78

Middle Channel: 2437MHz

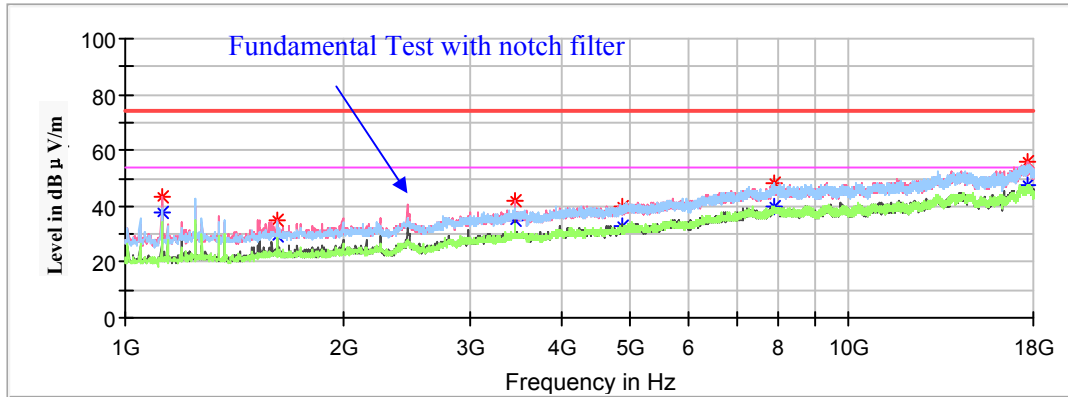
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Height (cm)	Polar (H/V)				
1124.100000	44.12	---	200.0	V	234.0	-18.4	74.00	29.88
1124.100000	---	38.65	200.0	V	234.0	-18.4	54.00	15.35
1997.900000	37.56	---	150.0	V	126.0	-14.5	74.00	36.44
1997.900000	---	29.16	150.0	V	126.0	-14.5	54.00	24.84
3454.800000	---	36.73	200.0	V	312.0	-8.9	54.00	17.27
3454.800000	41.72	---	200.0	V	312.0	-8.9	74.00	32.28
4874.000000	40.24	---	150.0	V	304.0	-5.4	74.00	33.76
4874.000000	---	32.14	150.0	V	304.0	-5.4	54.00	21.86
9823.000000	48.74	---	200.0	V	328.0	2.0	74.00	25.26
9823.000000	---	41.32	200.0	V	328.0	2.0	54.00	12.68
17712.700000	---	47.48	200.0	H	2.0	8.9	54.00	6.52
17712.700000	55.51	---	200.0	H	2.0	8.9	74.00	18.49

High Channel: 2462MHz

Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	37.93	200.0	V	227.0	-18.4	54.00	16.07
1124.100000	43.11	---	200.0	V	227.0	-18.4	74.00	30.89
1623.900000	---	29.46	200.0	V	197.0	-15.9	54.00	24.54
1623.900000	34.75	---	200.0	V	197.0	-15.9	74.00	39.25
3454.800000	42.28	---	150.0	V	312.0	-8.9	74.00	31.72
3454.800000	---	35.22	150.0	V	312.0	-8.9	54.00	18.78
4924.000000	---	32.59	150.0	V	9.0	-5.3	54.00	21.41
4924.000000	39.98	---	150.0	V	9.0	-5.3	74.00	34.02
7881.600000	---	39.63	200.0	H	319.0	1.6	54.00	14.37
7881.600000	48.16	---	200.0	H	319.0	1.6	74.00	25.84
17707.600000	---	47.26	150.0	H	109.0	8.9	54.00	6.74
17707.600000	55.62	---	150.0	H	109.0	8.9	74.00	18.38

802.11n-HT20 Mode:

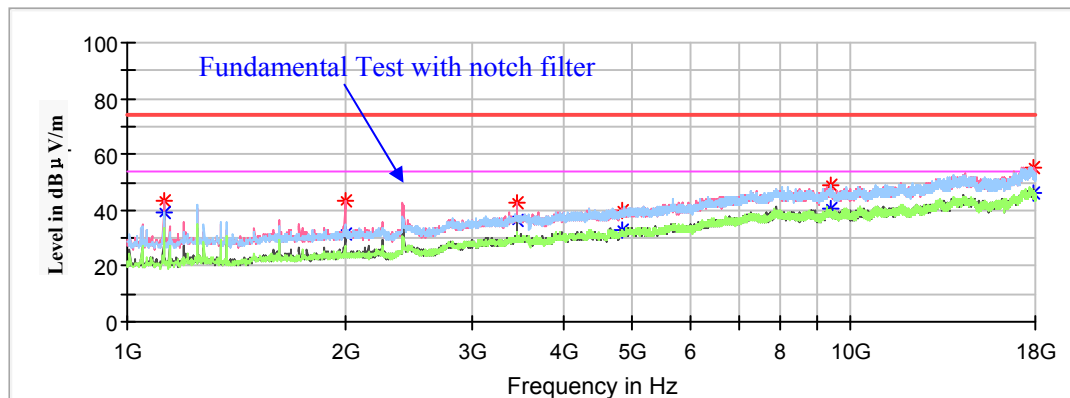
(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded)

Note:

1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
 Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
 Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Low Channel: 2412MHz

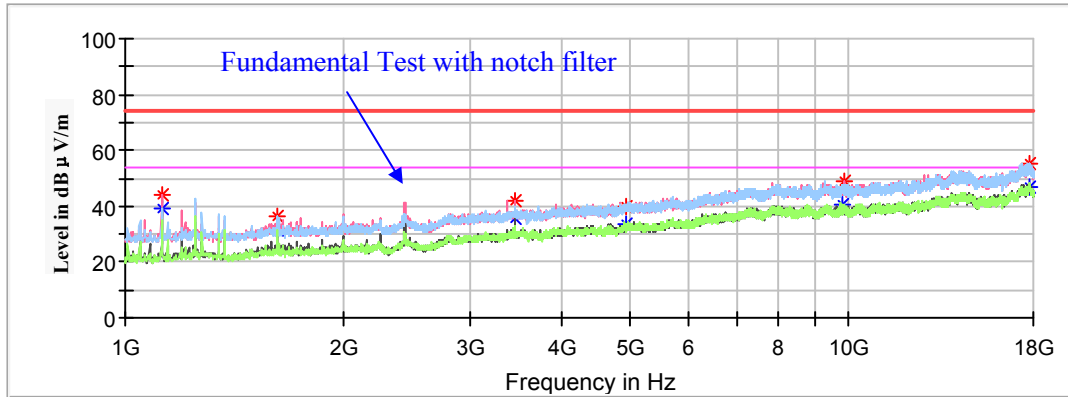
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	38.82	200.0	V	204.0	-18.4	54.00	15.18
1124.100000	43.24	---	200.0	V	204.0	-18.4	74.00	30.76
1999.600000	---	31.37	200.0	V	312.0	-14.5	54.00	22.63
1999.600000	43.09	---	200.0	V	312.0	-14.5	74.00	30.91
3454.800000	---	36.15	150.0	V	305.0	-8.9	54.00	17.85
3454.800000	42.97	---	150.0	V	305.0	-8.9	74.00	31.03
4824.000000	40.19	---	100.0	V	24.0	-5.5	74.00	33.81
4824.000000	---	33.12	100.0	V	24.0	-5.5	54.00	20.88
9369.100000	48.76	---	100.0	H	333.0	2.1	74.00	25.24
9369.100000	---	40.48	100.0	H	333.0	2.1	54.00	13.52
17852.100000	---	46.29	200.0	V	0.0	8.8	54.00	7.71
17852.100000	55.51	---	200.0	V	0.0	8.8	74.00	18.49

Middle Channel: 2437MHz

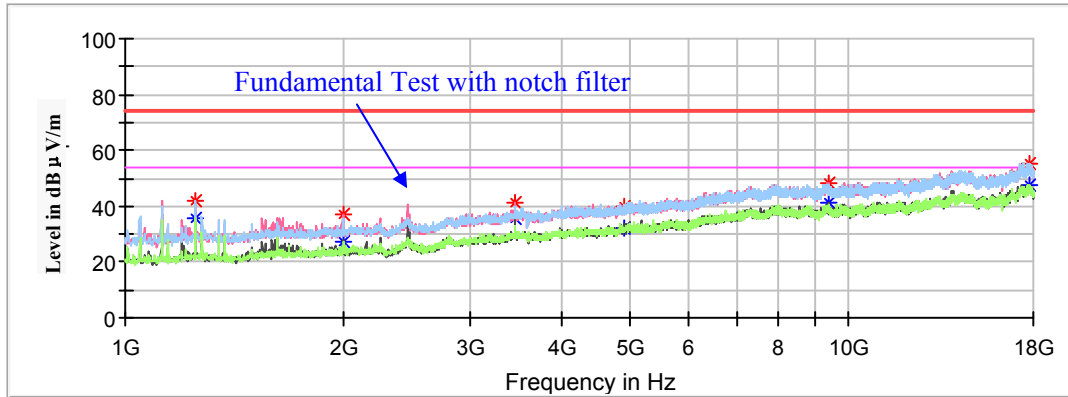
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Height (cm)	Polar (H/V)				
1124.100000	44.38	---	200.0	V	228.0	-18.4	74.00	29.62
1124.100000	---	39.17	200.0	V	228.0	-18.4	54.00	14.83
1623.900000	36.58	---	200.0	H	346.0	-15.9	74.00	37.42
1623.900000	---	31.15	200.0	H	346.0	-15.9	54.00	22.85
3454.800000	41.76	---	200.0	V	306.0	-8.9	74.00	32.24
3454.800000	---	35.64	200.0	V	306.0	-8.9	54.00	18.36
4874.000000	---	33.67	200.0	H	185.0	-5.4	54.00	20.33
4874.000000	39.55	---	200.0	H	185.0	-5.4	74.00	34.45
9826.400000	---	40.29	150.0	H	36.0	2.0	54.00	13.71
9826.400000	48.76	---	150.0	H	36.0	2.0	74.00	25.24
17777.300000	---	47.14	200.0	H	0.0	8.8	54.00	6.86
17777.300000	55.48	---	200.0	H	0.0	8.8	74.00	18.52

High Channel: 2462MHz

Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1248.200000	---	35.41	200.0	H	326.0	-17.7	54.00	18.59
1248.200000	42.08	---	200.0	H	326.0	-17.7	74.00	31.92
1999.600000	---	27.52	200.0	V	328.0	-14.5	54.00	26.48
1999.600000	36.77	---	200.0	V	328.0	-14.5	74.00	37.23
3454.800000	---	35.78	200.0	V	312.0	-8.9	54.00	18.22
3454.800000	41.32	---	200.0	V	312.0	-8.9	74.00	32.68
4924.000000	---	32.47	150.0	V	33.0	-5.3	54.00	21.53
4924.000000	39.69	---	150.0	V	33.0	-5.3	74.00	34.31
9377.600000	---	41.28	150.0	V	221.0	2.1	54.00	12.72
9377.600000	48.23	---	150.0	V	221.0	2.1	74.00	25.77
17772.200000	---	47.69	200.0	V	218.0	8.8	54.00	6.31
17772.200000	55.53	---	200.0	V	218.0	8.8	74.00	18.47

802.11n-HT40 Mode:

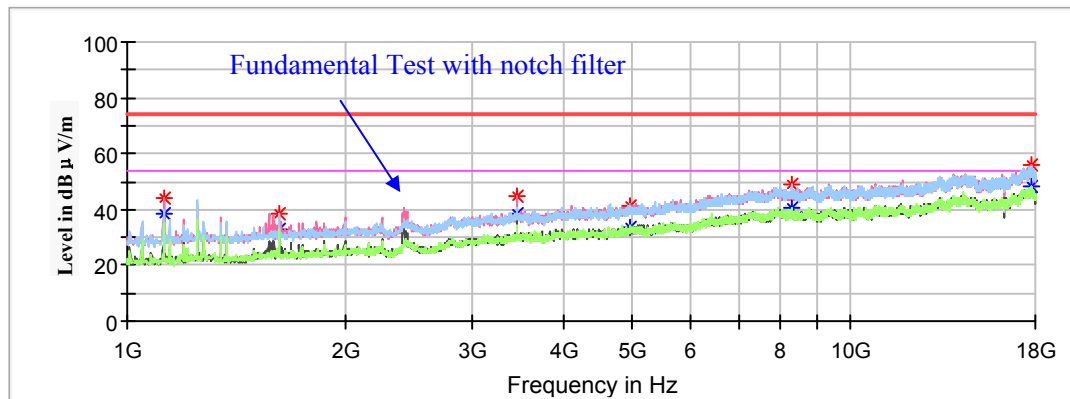
(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded)

Note:

1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
 Corrected Amplitude (dB μ V/m) = Corrected Factor (dB/m) + Reading (dB μ V)
 Margin (dB) = Limit (dB μ V/m) – Corrected Amplitude (dB μ V/m)

Low Channel: 2422MHz

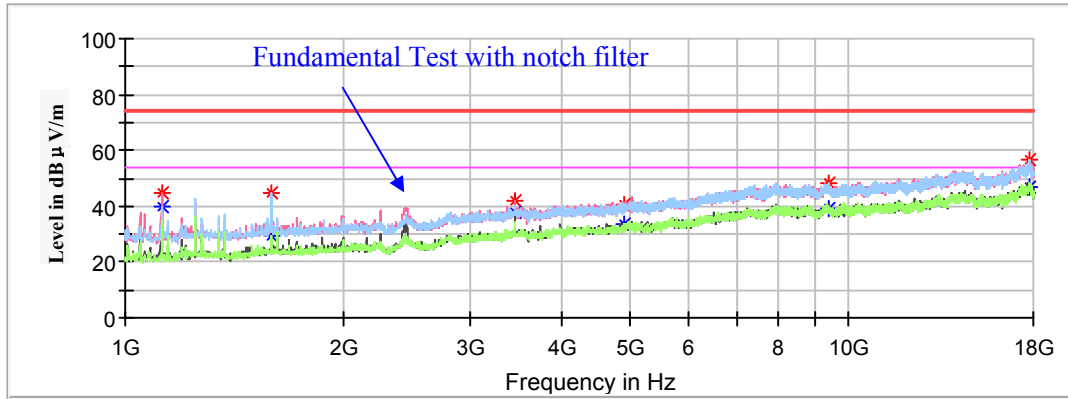
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Height (cm)	Polar (H/V)				
1124.100000	---	38.70	100.0	V	234.0	-18.4	54.00	15.30
1124.100000	44.04	---	100.0	V	234.0	-18.4	74.00	29.96
1623.900000	---	32.88	150.0	H	351.0	-15.9	54.00	21.12
1623.900000	38.23	---	150.0	H	351.0	-15.9	74.00	35.77
3454.800000	---	38.74	200.0	V	312.0	-8.9	54.00	15.26
3454.800000	44.51	---	200.0	V	312.0	-8.9	74.00	29.49
4954.200000	---	33.83	100.0	V	159.0	-5.3	54.00	20.17
4954.200000	41.40	---	100.0	V	159.0	-5.3	74.00	32.60
8272.600000	---	40.43	150.0	H	311.0	1.5	54.00	13.57
8272.600000	48.66	---	150.0	H	311.0	1.5	74.00	25.34
17731.400000	55.71	---	150.0	V	251.0	8.8	74.00	18.29
17731.400000	---	48.24	150.0	V	251.0	8.8	54.00	5.76

Middle Channel: 2437MHz

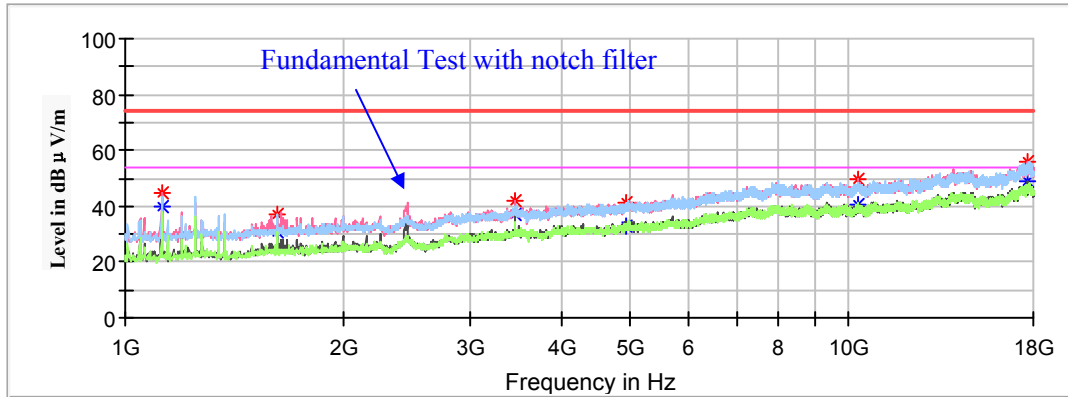
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	39.53	100.0	V	244.0	-18.4	54.00	14.47
1124.100000	44.95	---	100.0	V	244.0	-18.4	74.00	29.05
1591.600000	---	29.05	150.0	H	212.0	-16.0	54.00	24.95
1591.600000	44.63	---	150.0	H	212.0	-16.0	74.00	29.37
3454.800000	---	37.83	200.0	V	312.0	-8.9	54.00	16.17
3454.800000	42.28	---	200.0	V	312.0	-8.9	74.00	31.72
4874.000000	---	33.37	200.0	H	319.0	-5.4	54.00	20.63
4874.000000	40.31	---	200.0	H	319.0	-5.4	74.00	33.69
9404.800000	---	38.98	200.0	H	275.0	2.1	54.00	15.02
9404.800000	48.43	---	200.0	H	275.0	2.1	74.00	25.57
17777.300000	---	46.86	150.0	H	0.0	8.8	54.00	7.14
17777.300000	56.75	---	150.0	H	0.0	8.8	74.00	17.25

High Channel: 2452MHz

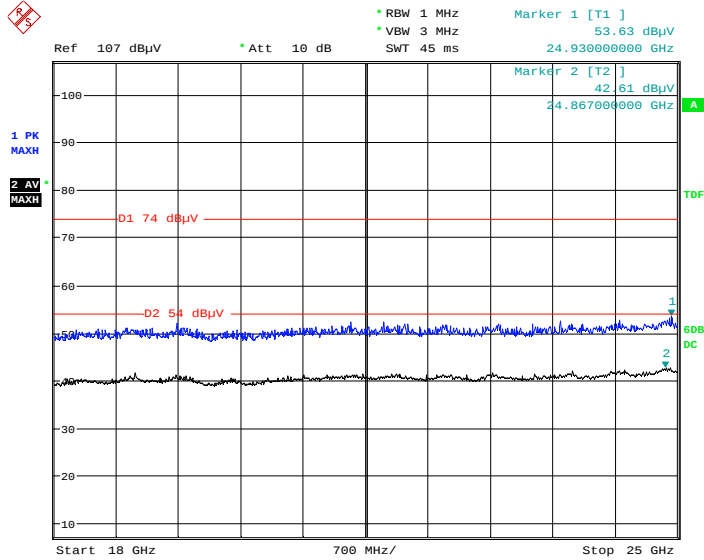
Full Spectrum



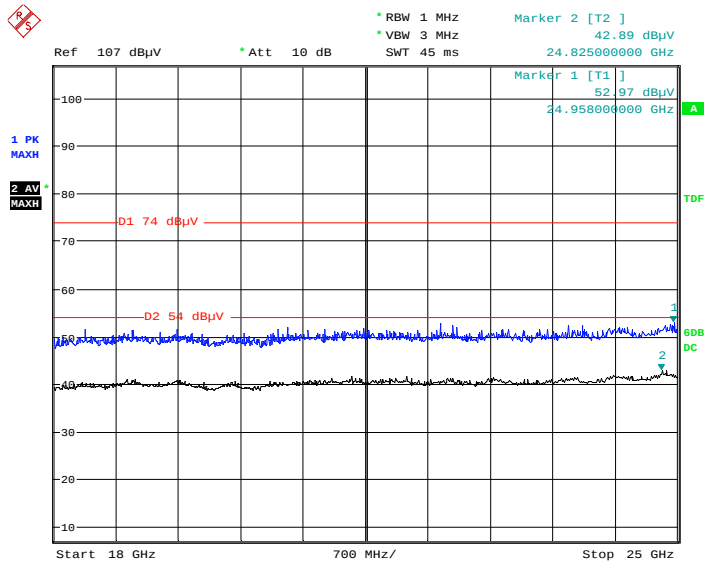
Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Height (cm)	Polar (H/V)				
1124.100000	44.73	---	200.0	V	218.0	-18.4	74.00	29.27
1124.100000	---	39.70	200.0	V	218.0	-18.4	54.00	14.30
1623.900000	36.94	---	200.0	H	338.0	-15.9	74.00	37.06
1623.900000	---	30.85	200.0	H	338.0	-15.9	54.00	23.15
3454.800000	42.25	---	200.0	V	312.0	-8.9	74.00	31.75
3454.800000	---	37.18	200.0	V	312.0	-8.9	54.00	16.82
4904.000000	41.35	---	200.0	H	250.0	-5.3	74.00	32.65
4904.000000	---	32.62	200.0	H	250.0	-5.3	54.00	21.38
10271.800000	---	40.27	100.0	H	0.0	2.1	54.00	13.73
10271.800000	49.63	---	100.0	H	0.0	2.1	74.00	24.37
17680.400000	55.89	---	100.0	V	296.0	8.9	74.00	18.11
17680.400000	---	48.86	100.0	V	296.0	8.9	54.00	5.14

18GHz-25GHz:

Pre-scan with 802.11b, 802.11g, 802.11n-HT20 and 802.11n-HT40 modes of operation in the X,Y and Z axes of orientation, the worst case **low channel of 802.11b mode in Z-axis of orientation** was recorded

Horizontal

Date: 12.MAY.2020 23:01:57

Vertical

Date: 12.MAY.2020 23:15:35

Restricted Bands Emissions Test:

Note:

1. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Corrected Amplitude (dB μ V/m) = Corrected Factor (dB/m) + Reading (dB μ V)Margin (dB) = Limit (dB μ V/m) – Corrected Amplitude (dB μ V/m)**802.11b Mode:** (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)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
Low Channel: 2412MHz								
2390.00	---	38.91	150.0	V	355.0	-2.9	54.00	15.09
2390.00	46.56	---	150.0	V	355.0	-2.9	74.00	27.44
High Channel: 2462MHz								
2483.50	46.86	---	150.0	V	308.0	-2.5	74.00	27.14
2483.50	---	40.33	150.0	V	308.0	-2.5	54.00	13.67

802.11g Mode: (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)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
Low Channel: 2412MHz								
2390.00	49.76	---	200.0	V	93.0	-2.9	74.00	24.24
2390.00	---	39.60	200.0	V	93.0	-2.9	54.00	14.40
High Channel: 2462MHz								
2483.50	---	40.33	200.0	V	287.0	-2.5	54.00	13.67
2483.50	48.57	---	200.0	V	287.0	-2.5	74.00	25.43

802.11n-HT20 Mode: (Pre-scan in the X,Y and Z axes of orientation, the worst case Z-axis of orientation was recorded)

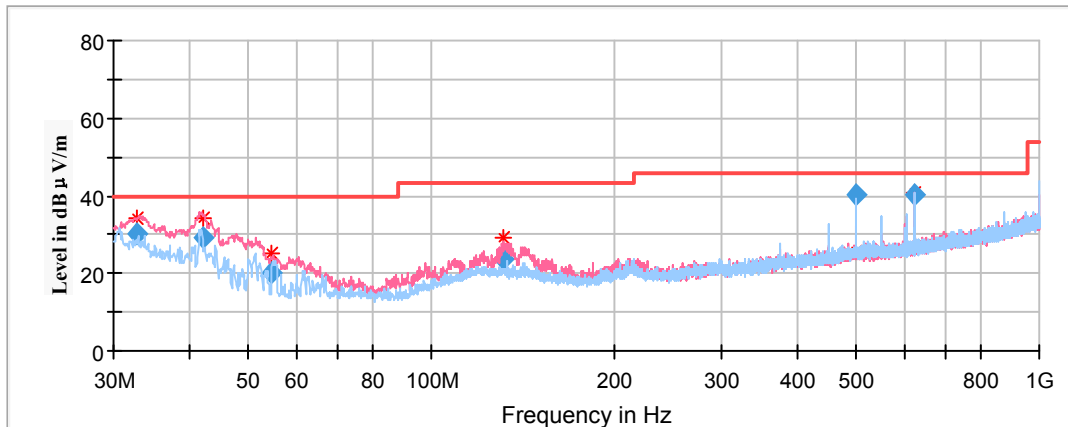
Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
Low Channel: 2412MHz								
2390.00	---	40.55	150.0	V	143.0	-2.9	54.00	13.45
2390.00	50.15	---	150.0	V	143.0	-2.9	74.00	23.85
High Channel: 2462MHz								
2483.50	---	39.31	200.0	V	38.0	-2.5	54.00	14.69
2483.50	51.92	---	200.0	V	38.0	-2.5	74.00	22.08

802.11n-HT40 Mode: (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)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
Low Channel: 2422MHz								
2390.00	50.86	---	150.0	V	27.0	-2.9	74.00	23.14
2390.00	---	41.94	150.0	V	27.0	-2.9	54.00	12.06
High Channel: 2452MHz								
2483.50	---	42.09	150.0	V	307.0	-2.5	54.00	11.91
2483.50	53.80	---	150.0	V	307.0	-2.5	74.00	20.20

For BLE Mode:**Spurious Emission Test:****30MHz-1GHz**

(Pre-scan with low, middle and high channels of operation in the X,Y and Z axes of orientation, the worst case **middle channel of operation in the Z axis of orientation** was recorded)



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	QuasiPeak (dBμV/m)	Height (cm)	Polar (H/V)				
32.700100	30.39	100.0	V	39.0	-5.8	40.00	9.61
42.259450	29.27	100.0	V	84.0	-12.3	40.00	10.73
54.441700	19.93	100.0	V	140.0	-17.7	40.00	20.07
131.228250	23.74	100.0	V	207.0	-11.6	43.50	19.76
500.976600	40.32	100.0	H	124.0	-6.1	46.00	5.68
624.975550	40.12	100.0	H	0.0	-4.7	46.00	5.88

1GHz-18GHz

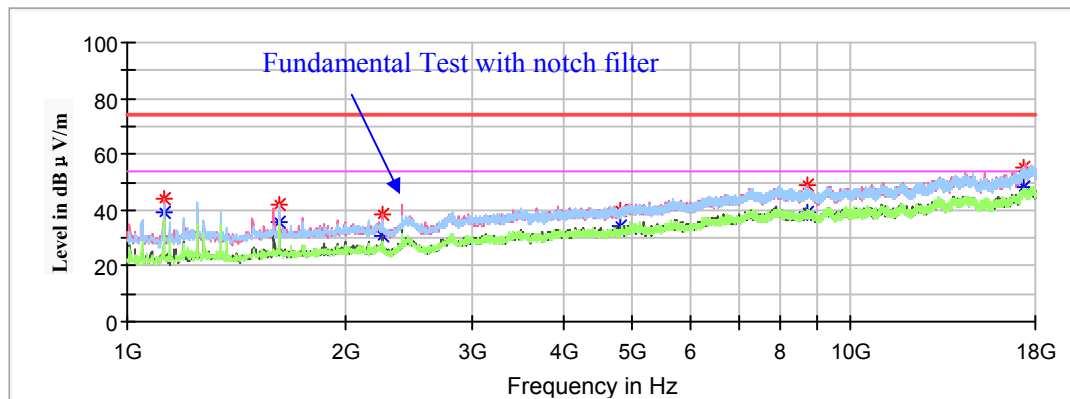
(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded)

Note:

1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
 Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
 Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Low Channel: 2402MHz

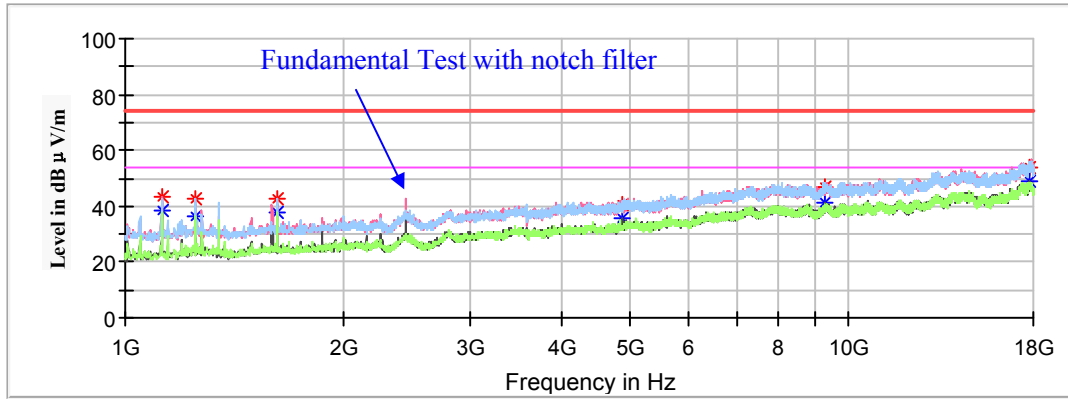
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	39.30	200.0	V	254.0	-18.4	54.00	14.70
1124.100000	44.18	---	200.0	V	254.0	-18.4	74.00	29.82
1623.900000	---	36.00	150.0	H	19.0	-15.9	54.00	18.00
1623.900000	41.70	---	150.0	H	19.0	-15.9	74.00	32.30
2249.500000	---	31.06	150.0	V	297.0	-13.4	54.00	22.94
2249.500000	38.16	---	150.0	V	297.0	-13.4	74.00	35.84
4804.000000	---	34.16	150.0	V	162.0	-5.6	54.00	19.84
4804.000000	39.99	---	150.0	V	162.0	-5.6	74.00	34.01
8728.200000	---	39.23	200.0	V	220.0	1.6	54.00	14.77
8728.200000	49.14	---	200.0	V	220.0	1.6	74.00	24.86
17343.800000	---	48.58	150.0	V	220.0	8.4	54.00	5.42
17343.800000	55.41	---	150.0	V	220.0	8.4	74.00	18.59

Middle Channel: 2440MHz

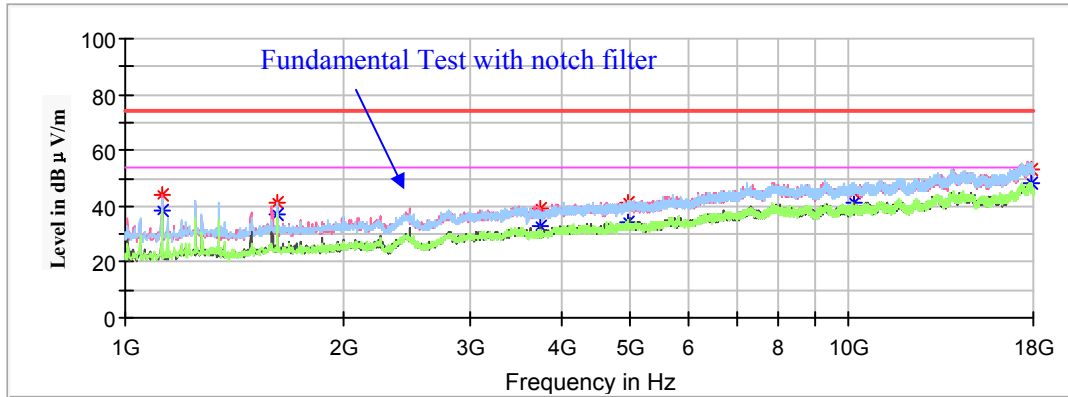
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
1124.100000	---	38.75	200.0	V	259.0	-18.4	54.00	15.25
1124.100000	43.34	---	200.0	V	259.0	-18.4	74.00	30.66
1248.200000	---	36.05	200.0	H	341.0	-17.7	54.00	17.95
1248.200000	42.87	---	200.0	H	341.0	-17.7	74.00	31.13
1623.900000	---	37.47	200.0	H	24.0	-15.9	54.00	16.53
1623.900000	42.43	---	200.0	H	24.0	-15.9	74.00	31.57
4880.000000	---	35.85	150.0	V	231.0	-5.4	54.00	18.15
4880.000000	40.50	---	150.0	V	231.0	-5.4	74.00	33.50
9285.800000	---	41.00	150.0	V	55.0	2.0	54.00	13.00
9285.800000	47.19	---	150.0	V	55.0	2.0	74.00	26.81
17818.100000	---	48.78	150.0	V	55.0	8.8	54.00	5.22
17818.100000	54.16	---	150.0	V	55.0	8.8	74.00	19.84

High Channel: 2480MHz

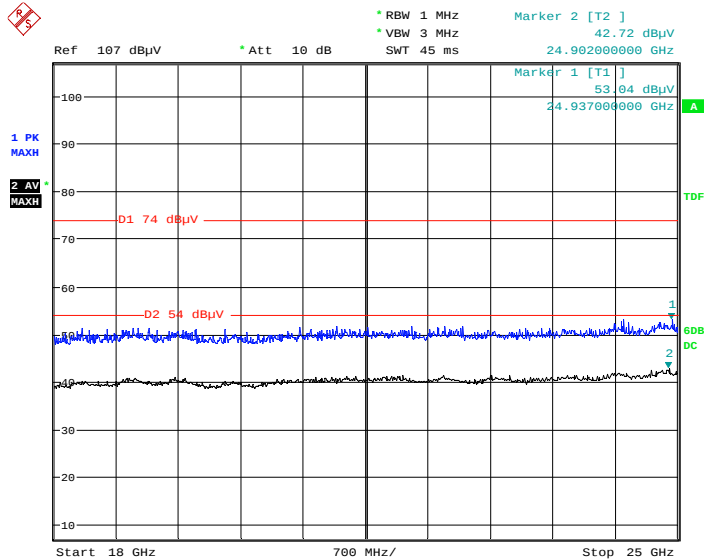
Full Spectrum



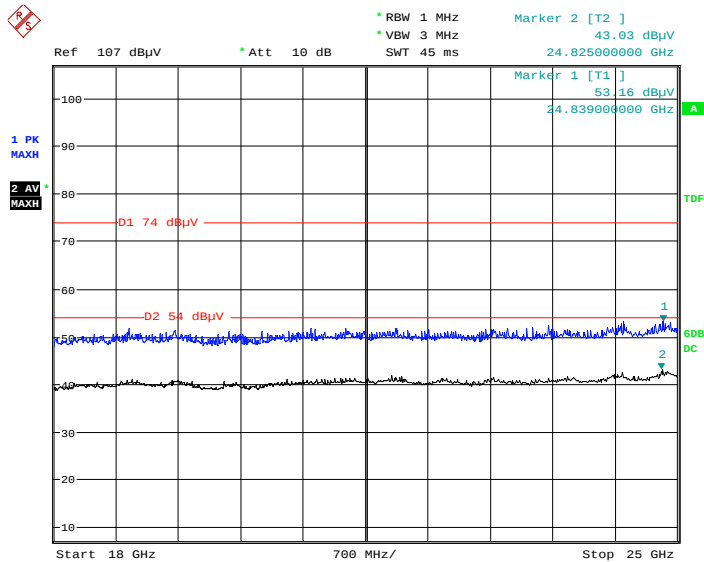
Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Height (cm)	Polar (H/V)				
1124.100000	---	38.75	200.0	V	263.0	-18.4	54.00	15.25
1124.100000	43.76	---	200.0	V	263.0	-18.4	74.00	30.24
1623.900000	---	36.82	200.0	H	25.0	-15.9	54.00	17.18
1623.900000	41.20	---	200.0	H	25.0	-15.9	74.00	32.80
3748.900000	---	32.61	200.0	V	334.0	-7.9	54.00	21.39
3748.900000	39.30	---	200.0	V	334.0	-7.9	74.00	34.70
4960.000000	---	34.27	150.0	V	136.0	-5.3	54.00	19.73
4960.000000	40.96	---	150.0	V	136.0	-5.3	74.00	33.04
10163.000000	---	41.31	150.0	V	210.0	2.0	54.00	12.69
10163.000000	44.75	---	150.0	V	210.0	2.0	74.00	29.25
17848.700000	---	48.34	150.0	V	341.0	8.8	54.00	5.66
17848.700000	52.84	---	150.0	V	341.0	8.8	74.00	21.16

18GHz-25GHz

(Pre-scan with low, middle and high channels of operation in the X,Y and Z axes of orientation, the worst case **middle** channel of operation in the Z axis of orientation was recorded)

Horizontal

Date: 12.MAY.2020 23:31:14

Vertical

Date: 12.MAY.2020 23:46:11

Restricted Bands Emissions Test:

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

Note:

1. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

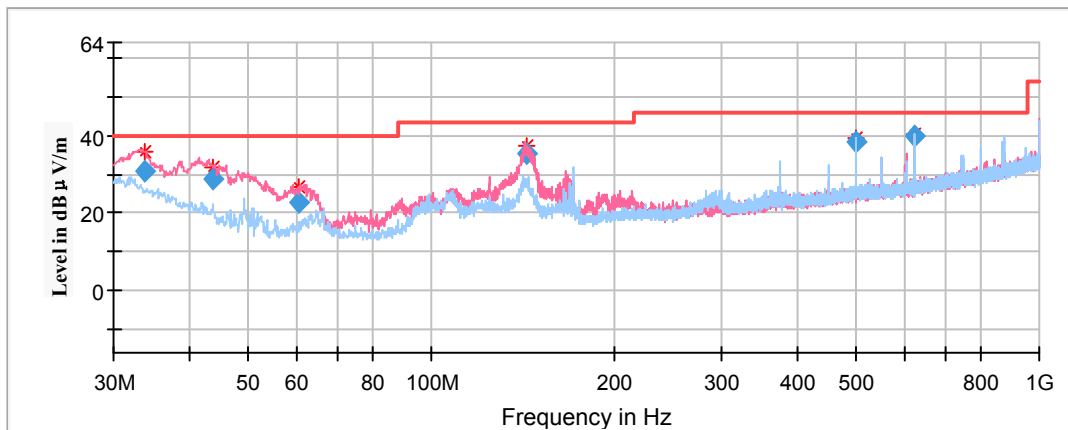
Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)

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

Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H/V)				
Low Channel: 2402MHz								
2390.00	47.41	---	150.0	V	308.0	-2.9	74.00	26.59
2390.00	---	39.88	150.0	V	308.0	-2.9	54.00	14.12
High Channel: 2480MHz								
2483.50	---	39.38	150.0	V	91.0	-2.5	54.00	14.62
2483.50	47.57	---	150.0	V	91.0	-2.5	74.00	26.43

Transmitting simultaneously test:

(The worst case **802.11b of Wi-Fi & FDD (Band 13)** transmitting simultaneously in Z-axis of orientation was recorded)

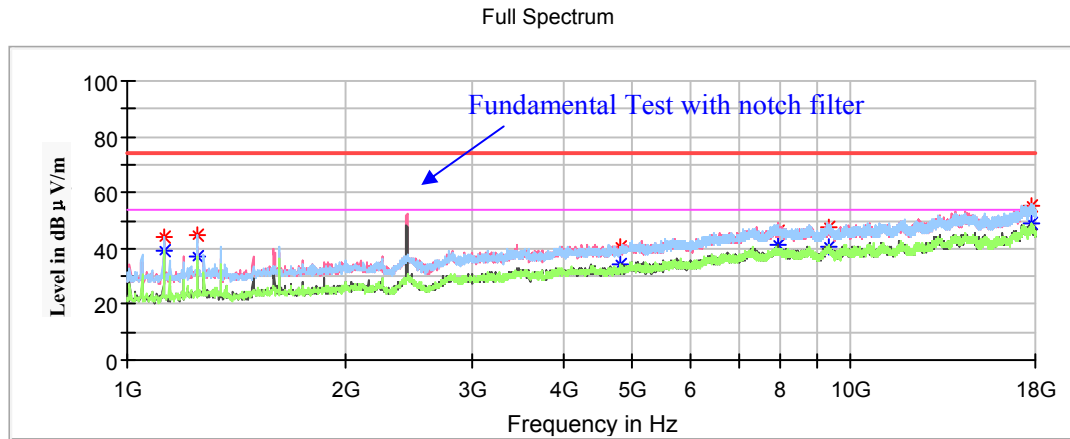
30MHz-1GHz

Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	QuasiPeak (dBμV/m)	Height (cm)	Polar (H/V)				
33.637500	30.80	100.0	V	186.0	-6.4	40.00	9.20
43.822500	28.93	100.0	V	175.0	-13.3	40.00	11.07
60.555000	22.70	100.0	V	87.0	-17.9	40.00	15.30
143.490000	35.55	100.0	V	82.0	-12.1	43.50	7.95
499.965000	38.29	100.0	H	164.0	-6.2	46.00	7.71
624.973750	40.05	100.0	V	165.0	-4.7	46.00	5.95

1GHz-18GHz

Note:

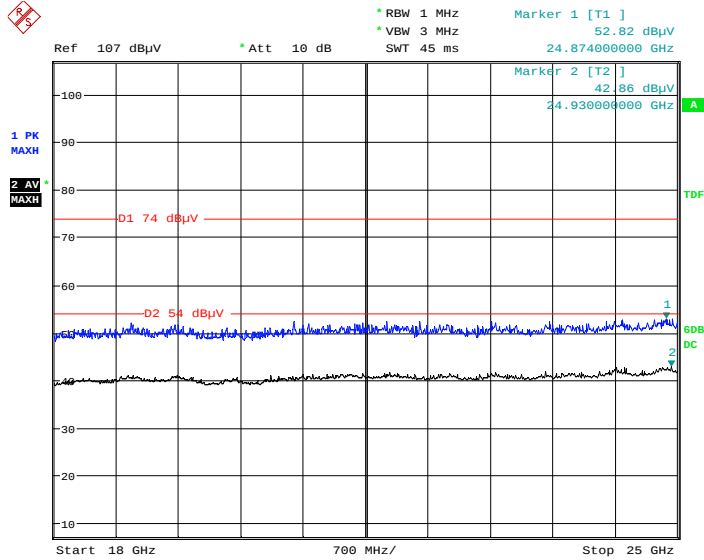
1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
 Corrected Amplitude (dB μ V/m) = Corrected Factor (dB/m) + Reading (dB μ V)
 Margin (dB) = Limit (dB μ V/m) – Corrected Amplitude (dB μ V/m)



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Height (cm)	Polar (H/V)				
1124.100000	---	38.98	150.0	H	33.0	-18.4	54.00	15.02
1124.100000	43.92	---	150.0	H	33.0	-18.4	74.00	30.08
1248.200000	---	37.35	200.0	H	351.0	-17.7	54.00	16.65
1248.200000	44.60	---	200.0	H	351.0	-17.7	74.00	29.40
4806.300000	---	34.01	150.0	H	273.0	-5.6	54.00	19.99
4806.300000	40.76	---	150.0	H	273.0	-5.6	74.00	33.24
7920.700000	---	41.00	150.0	V	337.0	1.7	54.00	13.00
7920.700000	45.97	---	150.0	V	337.0	1.7	74.00	28.03
9301.100000	---	40.90	150.0	V	11.0	2.0	54.00	13.10
9301.100000	47.27	---	150.0	V	11.0	2.0	74.00	26.73
17792.600000	---	48.81	150.0	H	229.0	8.8	54.00	5.19
17792.600000	55.52	---	150.0	H	229.0	8.8	74.00	18.48

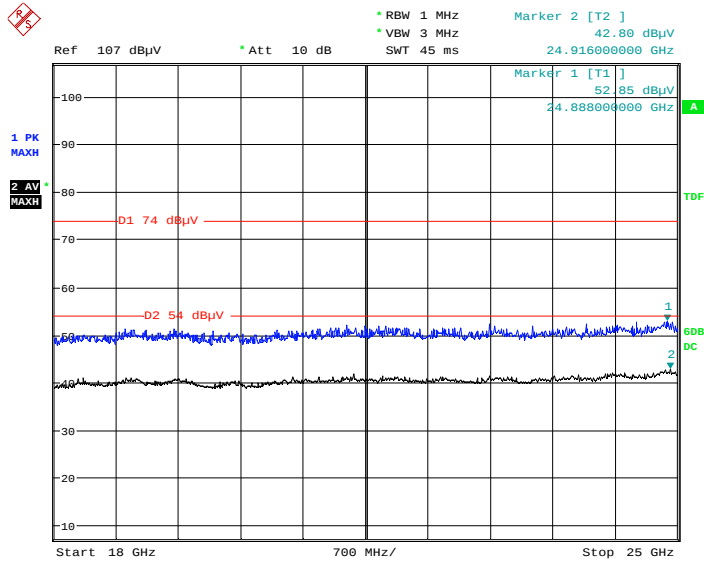
18GHz-25GHz

Horizontal



Date: 18.MAY.2020 18:19:42

Vertical



Date: 18.MAY.2020 18:31:27

***** END OF REPORT *****