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Report No.: 1909TW1202-U2
Report Version: 1.0
Issue Date: 2019-09-24

MEASUREMENT REPORT

FCC PART 15.247 WLAN 802.11b/g/n

FCC ID:	2ALTTCT1200
APPLICANT:	i3-TECHNOLOGIES NV
Application Type:	Certification
Product:	i3SYNC
Model No.:	i3SYNC RX40
Serial Model:	CT1200,CT1210
FCC Classification:	(DTS) Digital Transmission System
FCC Rule Part(s):	Part 15.247
Test Procedure(s):	ANSI C63.10-2013, KDB 558074 D01v05r02
Test Date:	May 31 ~ June 29, 2018

Tested By : Peter Syu
(Peter Syu)

Reviewed By : Paddy Chen
(Paddy Chen)

Approved By : Chenz Ker
(Chenz Ker)

Testing Laboratory
3261

The test results only relate to the tested samples.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 558074. Test results reported herein relate only to the item(s) tested.

Revision History

Report No.	Version	Description	Issue Date	Note
1909TW1202-U2	1.0	Original Report	2019-09-24	

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§2.1033 General Information

Applicant	i3-TECHNOLOGIES NV
Applicant Address	Nijverheidslaan 60, 8540 Deerlijk,Belgium
Manufacturer	i3-TECHNOLOGIES NV
Manufacturer Address	Nijverheidslaan 60, 8540 Deerlijk,Belgium
Test Site	MRT Technology (Taiwan) Co., Ltd
Test Site Address	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
MRT FCC Registration No.	291082
FCC Rule Part(s)	Part 15.247
Test Device Serial No.	N/A ☐ Production ☒ Pre-Production ☐ Engineering

Test Facility / Accreditations

1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Film.
2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Taiwan, EU and TELEC Rules.

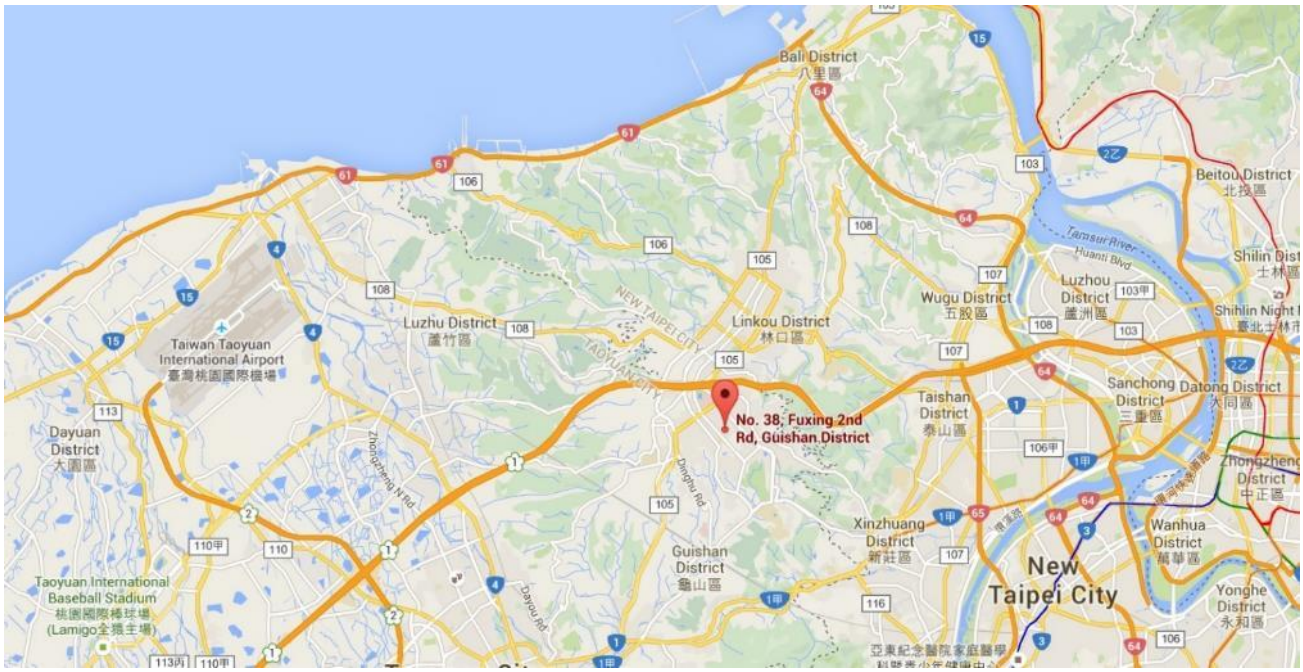
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	i3SYNC
Model No.	i3SYNC RX40
Serial Model	CT1200,CT1210
Supports Radios Spec.	WLAN: 2.4G: 802.11b/g/n-20/n-40
Wi-Fi Specification	802.11 b/g/n (2TX / 2RX)
Frequency Range	**2.4GHz:** For 802.11b/g/n-20M/n-40M: 2412 ~ 2462 MHz
2.4GHz Maximum Output Power	802.11b: 20.6 dBm 802.11g: 22.48 dBm 802.11n-20M: 25.24 dBm 802.11n-40M: 25.21 dBm
Type of Modulation	802.11b: DSSS, DBPSK, DQPSK, CCK 802.11g/n-20M/n-40M: OFDM, BPSK, QPSK, 16QAM, 64QAM

Note:

(1)There are two appearances of this product, one with internal antenna for HDMI Transmitter(Tx) Box, another with external antenna for HDMI Receiver(Rx) Box. The RF circuits of these two appearances are the same.

(2)Model Difference: The difference of model is only for marketing different, the other is the same.

2.2. Working Frequencies for this Report

802.11b/g/n-20M

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz
04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz
10	2457 MHz	11	2462 MHz	--	--

802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz
06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	--	--	--	--

Duty Cycle

Test Mode	Duty Cycle
802.11b	99%
802.11g	94%
802.11 n-HT20	48%
802.11 n-HT40	23%

2.3. Test Mode

Test Mode	Mode 1: Transmit by 802.11b with i3SYNC RX40 (Internal Antenna)
	Mode 2: Transmit by 802.11g with i3SYNC RX40 (Internal Antenna)
	Mode 3: Transmit by 802.11n-20 with i3SYNC RX40 (Internal Antenna)
	Mode 4: Transmit by 802.11n-40 with i3SYNC RX40 (Internal Antenna)
	Mode 5: Transmit by 802.11b with i3SYNC RX40 (External Antenna)
	Mode 6: Transmit by 802.11g with i3SYNC RX40 (External Antenna)
	Mode 7: Transmit by 802.11n-20 with i3SYNC RX40 (External Antenna)
	Mode 8: Transmit by 802.11n-40 with i3SYNC RX40 (External Antenna)

Note :

Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.

2.4. Test Software

The test utility software used during testing was “hypertrm”.

2.5. Test Configuration

This device was tested per the guidance of ANSI C63.10-2013 and DA 00-705. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.6. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.7. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

3. DESCRIPTION of TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 558074 D01v05r02 were used in the measurement of the device.

Deviation from measurement procedure…….....None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 9'x4'x3' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment which determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.

Line conducted emissions test results are shown in Section 7.8.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable. For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, which produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

Radiated emissions test results are shown in Section 7.6 & 7.7 .

4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

"An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.."

Conclusion:

The EUT unit complies with the requirement of §15.203.

Antenna List

i3SYNC RX40 (Internal Antenna)

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Auden Techno Corp.	AUD17-003	PIFA	2.68dBi

i3SYNC RX40 (External Antenna)

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Auden Techno Corp.	AUD17-001	Dipole	2.64dBi

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions – SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2019/3/20
Cable	Rosnol	N1C50-RG400-B1C50-500CM	MRTTWE00013	1 year	2019/5/18
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2019/3/19

Radiated Emissions – AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2019/5/22
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2019/3/19
Acitve Loop Antenna	Schwarzbeck	FMZB 1519B	MRTTWA00002	1 year	2019/4/24
Broadband Horn antenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2019/4/24
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2019/4/23
Broadband Amplifier	Schwarzbeck	BBV 9721	MRTTWA00006	1 year	2019/4/23
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2019/4/23
Cable	HUBERSUHNER	SF106	MRTTWA00010	1 year	2019/5/18
Cable	Rosnol	K1K50-UP0264-K1K50-4M	MRTTWA00012	1 year	2018/7/24

Conducted Test Equipment – SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2018/7/24
USB Wideband Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2019/3/20

Test Software

Software	Version	Function
e3	9.160520a	EMI Test Software
EMI	V3	EMI Test Software

6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement – SR2
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: 2.42dB
Conducted Measurement– SR1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.3dB
Radiated Emission Measurement – AC1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 9K~30MHz: 4.14dB 30MHz~1GHz: 4.22dB 1GHz~40GHz: 4.05dB Vertical: 9K~30MHz: 4.14dB 30MHz~1GHz: 3.37dB 1GHz~40GHz: 4.08dB

7. TEST RESULT

7.1. Summary

Product Name: **i3SYNC (Receiver)**
FCC Classification: **(DTS) Digital Transmission System**
Data Rate(s) Tested: **1Mbps ~ 11Mbps (b); 6Mbps ~ 54Mbps (g); 6.5/7.2Mbps ~ 130/144.4Mbps (n-20M); 13.5/15Mbps ~ 135/150Mbps (n-40M)。**

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.203	ANTENNA REQUIREMENTS	Can't use of a standard antenna jack or electrical connector	--	Pass	Section 4
15.247(a)(2)	6dB Bandwidth	≥ 500kHz	Conducted	Pass	Section 7.2
15.247(b)(3)	Output Power	≤ 30.00dBm		Pass	Section 7.3
15.247(e)	Power Spectral Density	≤ 8.00dBm/3kHz		Pass	Section 7.4
15.247(d)	Out-of-Band Emissions	Conducted ≥ 20dBc		Pass	Section 7.5
15.205 15.209	Spurious Emission	< FCC 15.209 limits	Radiated	Pass	Section 7.6
15.205 15.209	Band Edge Measurement	≦ 74dBuV/m(Peak) ≦ 54dBuV/m(Average)		Pass	Section 7.7
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.8

Notes:

1) All modes of operation and data rates were investigated. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

7.2. 6dB Bandwidth Measurement

7.2.1. Test Limit

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

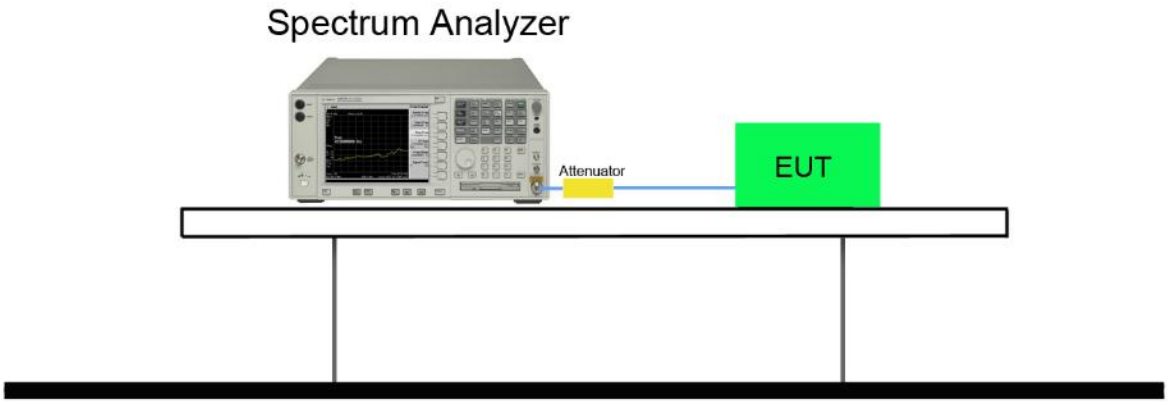
7.2.2. Test Procedure used

KDB 558074 D01v05r02- Section 8.2 Option 2

7.2.3. Test Setting

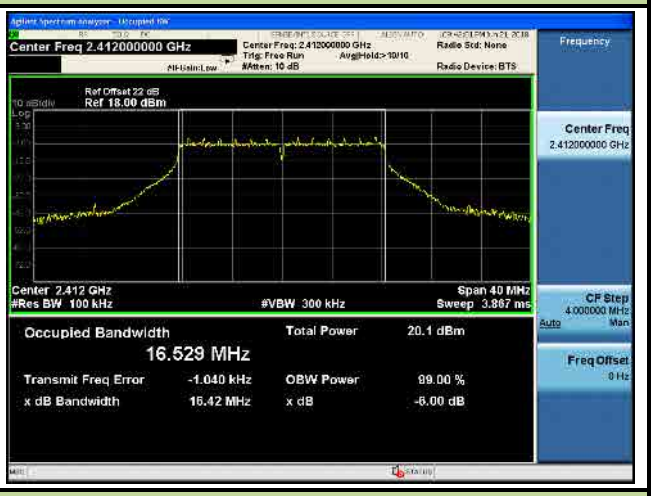
1. The Spectrum's automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set RBW = 100 kHz
3. VBW ≥ 3 × RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace was allowed to stabilize

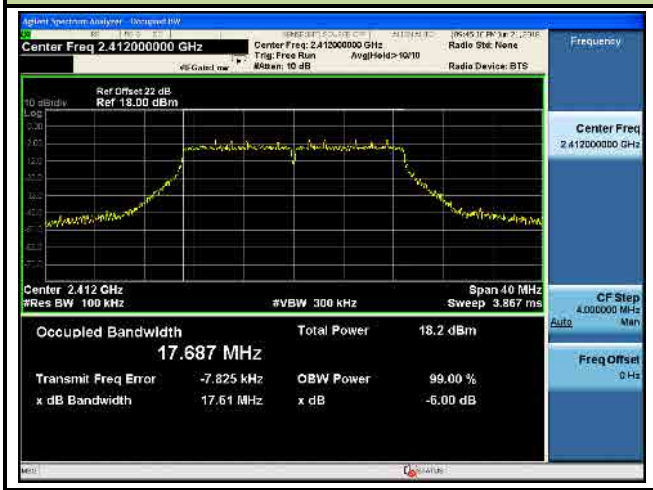
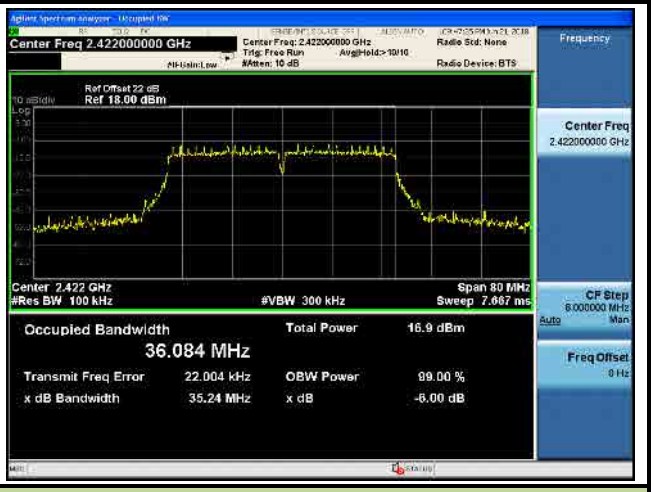
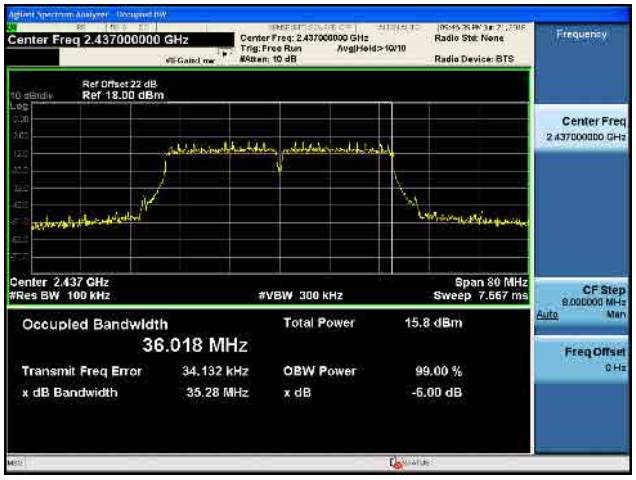
7.2.4. Test Setup

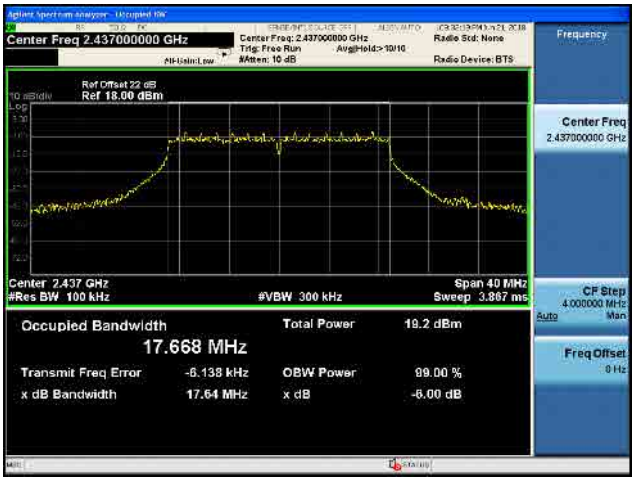
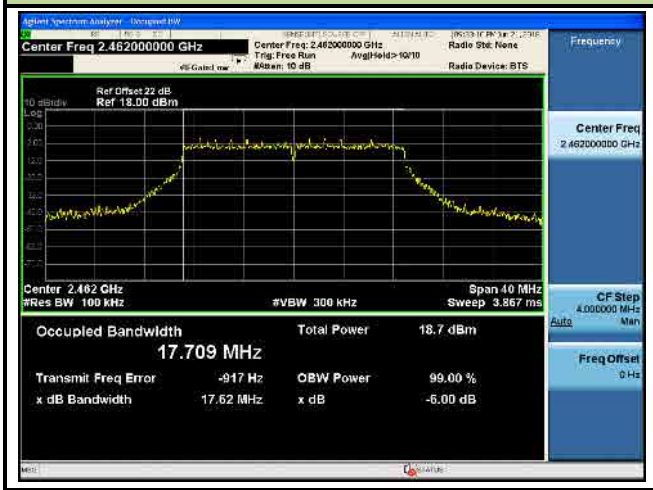
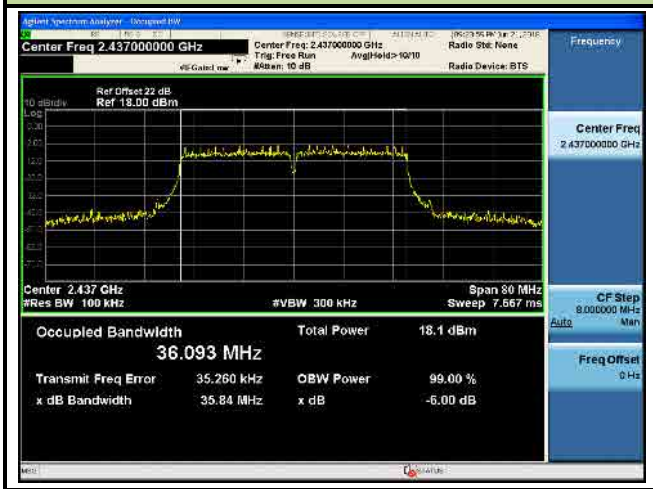
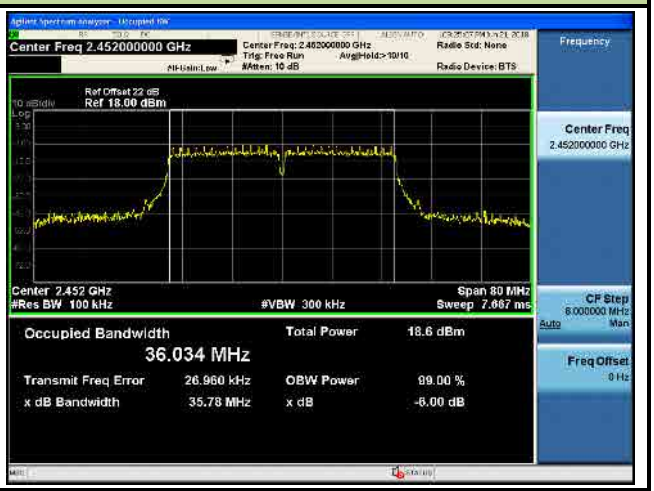


7.2.5. Test Result

Test Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
Antenna 0						
802.11b	01	2412	10.08	15.039	≥ 0.5	Pass
802.11b	06	2437	10.08	15.013	≥ 0.5	Pass
802.11b	11	2462	10.08	15.057	≥ 0.5	Pass
802.11g	01	2412	16.42	16.529	≥ 0.5	Pass
802.11g	06	2437	16.41	16.517	≥ 0.5	Pass
802.11g	11	2462	16.42	16.553	≥ 0.5	Pass
802.11n-20M	01	2412	17.61	17.687	≥ 0.5	Pass
802.11n-20M	06	2437	17.6	17.690	≥ 0.5	Pass
802.11n-20M	11	2462	17.63	17.695	≥ 0.5	Pass
802.11n-40M	03	2422	35.24	36.084	≥ 0.5	Pass
802.11n-40M	06	2437	35.28	36.018	≥ 0.5	Pass
802.11n-40M	09	2452	35.39	36.076	≥ 0.5	Pass
Antenna 1						
802.11n-20M	01	2412	17.64	17.671	≥ 0.5	Pass
802.11n-20M	06	2437	17.64	17.668	≥ 0.5	Pass
802.11n-20M	11	2462	17.62	17.709	≥ 0.5	Pass
802.11n-40M	03	2422	35.81	35.974	≥ 0.5	Pass
802.11n-40M	06	2437	35.84	36.093	≥ 0.5	Pass
802.11n-40M	09	2452	35.78	36.034	≥ 0.5	Pass

Antenna 0	
802.11 b CH01 (2412MHz)	**802.11 b CH06 (2437MHz)**
	
802.11 b CH11 (2462MHz)	**802.11 g CH01 (2412MHz)**
	
802.11 g CH06 (2437MHz)	**802.11 g CH11 (2462MHz)**
	

802.11 n-20M CH01 (2412MHz)	802.11 n-20M CH06 (2437MHz)
	
802.11 n-20M CH11 (2462MHz)	**802.11 n-40M CH03 (2422MHz)**
	
802.11 n-40M CH06 (2437MHz)	**802.11 n-40M CH09 (2452MHz)**
	

Antenna 1	
802.11 n-20M CH01 (2412MHz)	**802.11 n-20M CH06 (2437MHz)**
	
802.11 n-20M CH11 (2462MHz)	**802.11 n-40M CH03 (2422MHz)**
	
802.11 n-40M CH06 (2437MHz)	**802.11 n-40M CH09 (2452MHz)**
	

7.3. Output Power Measurement

7.3.1. Test Limit

The maximum out power shall be less 1 Watt (30dBm).

7.3.2. Test Procedure Used

KDB 558074 D01v05r02 - Section 9.1.2 & 9.2.3.2

7.3.3. Test Setting

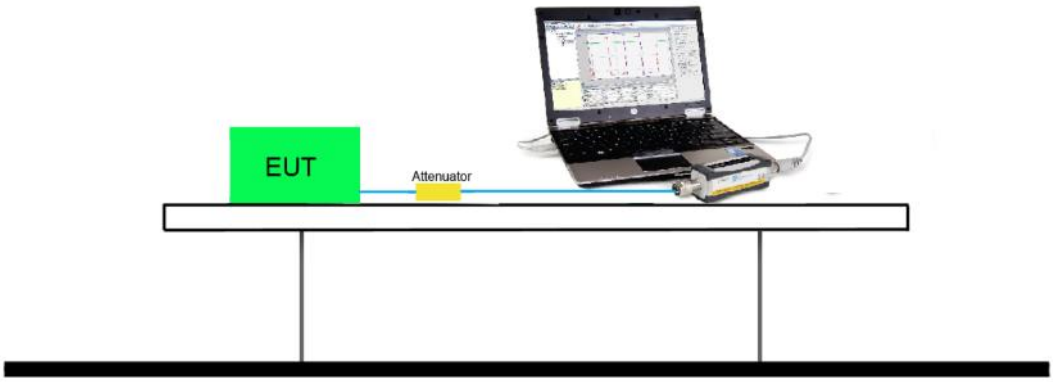
Peak Power Measurement

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.3.4. Test Setup



7.3.5. Test Result of Output Power

Antenna 0											
2.4GHz 802.11b RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		1	2	5.5	11					1	
01	2412	13.77	--	--	--					16.14	1Watt= 30 dBm
06	2437	14.87	14.76	14.70	14.55					17.14	1Watt= 30 dBm
11	2462	18.36	--	--	--					20.6	1Watt= 30 dBm
2.4GHz 802.11g RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		6	9	12	18	24	36	48	54	6	
01	2412	13.99	--	--	--	--	--	--	--	22.48	1Watt= 30 dBm
06	2437	13.78	13.69	13.48	13.27	13.23	13.12	12.69	12.49	22.27	1Watt= 30 dBm
11	2462	13.82	--	--	--	--	--	--	--	21.6	1Watt= 30 dBm
2.4GHz 802.11n-20M RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	MCS8	
01	2412	15.81	--	--	--	--	--	--	--	20.73	1Watt= 30 dBm
06	2437	13.99	13.89	13.72	13.41	13.30	13.10	13.08	13.05	20.11	1Watt= 30 dBm
11	2462	13.94	--	--	--	--	--	--	--	19.74	1Watt= 30 dBm
2.4GHz 802.11n-40M RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	MCS8	
03	2422	17.71	--	--	--	--	--	--	--	21.49	1Watt= 30 dBm
06	2437	16.67	16.66	16.60	16.57	16.54	16.50	16.47	16.46	20.08	1Watt= 30 dBm
09	2452	16.70	--	--	--	--	--	--	--	20.22	1Watt= 30 dBm

Note: Output power =Reading value on power meter + duty cycle factor + cable loss。

Antenna 1											
2.4GHz 802.11n-20M RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	MCS8	
01	2412	17.37	--	--	--	--	--	--	--	23.34	1Watt= 30 dBm
06	2437	16.15	16.12	16.08	16.05	15.96	15.84	15.62	15.31	21.16	1Watt= 30 dBm
11	2462	16.69	--	--	--	--	--	--	--	22	1Watt= 30 dBm
2.4GHz 802.11n-40M RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	MCS8	
03	2422	19.56	--	--	--	--	--	--	--	22.81	1Watt= 30 dBm
06	2437	18.95	18.93	18.91	18.88	18.87	18.85	18.84	18.83	21.94	1Watt= 30 dBm
09	2452	19.34	--	--	--	--	--	--	--	22.44	1Watt= 30 dBm

Note: Output power =Reading value on power meter + duty cycle factor + cable loss。

Antenna 0+1											
2.4GHz 802.11n-20M RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	MCS8	
01	2412	19.67	--	--	--	--	--	--	--	25.24	1Watt= 30 dBm
06	2437	18.21	18.15	18.07	17.94	17.84	17.69	17.54	17.33	23.68	1Watt= 30 dBm
11	2462	18.54	--	--	--	--	--	--	--	24.03	1Watt= 30 dBm
2.4GHz 802.11n-40M RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	MCS8	
03	2422	21.75	--	--	--	--	--	--	--	25.21	1Watt= 30 dBm
06	2437	20.97	20.95	20.92	20.89	20.87	20.85	20.83	20.82	24.12	1Watt= 30 dBm
09	2452	21.23	--	--	--	--	--	--	--	24.48	1Watt= 30 dBm

Note: The EUT Power by Notebook PC Output power =Reading value on power meter + duty cycle factor + cable loss。

7.4. Power Spectral Density Measurement

7.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

7.4.2. Test Procedure Used

KDB 558074 D01v05r02 - Section 10.2 Method PKPSD

7.4.3. Test Setting

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

a) Set analyzer center frequency to DTS channel center frequency.

b) Set the span to 1.5 times the DTS bandwidth.

c) Set the RBW to: 3 kHz.

d) Set the VBW ≥ 3* RBW.

e) Detector = peak.

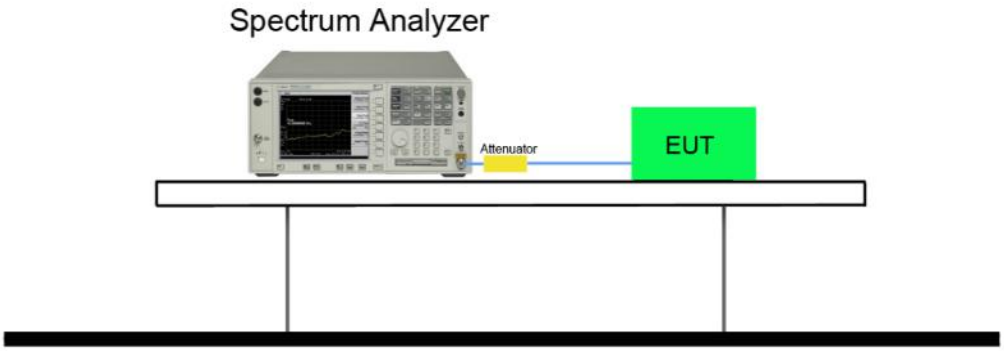
f) Sweep time = auto couple.

g) Trace mode = max hold.

h) Allow trace to fully stabilize.

i) Use the peak marker function to determine the maximum amplitude level within the RBW.

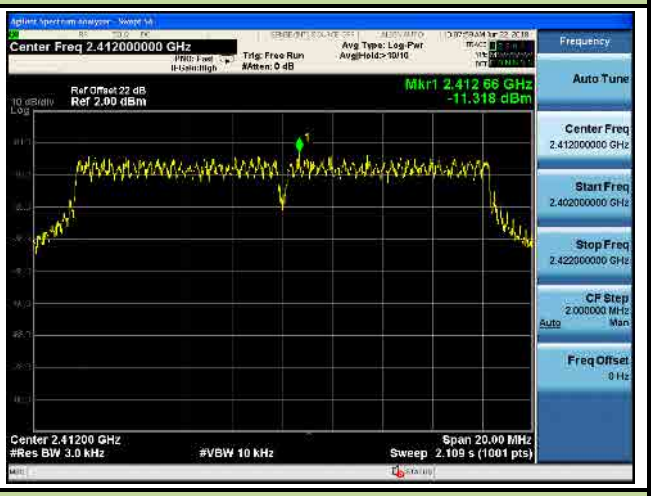
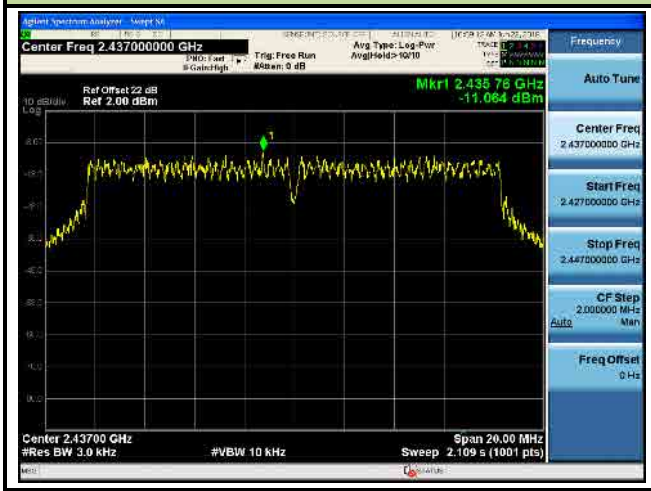
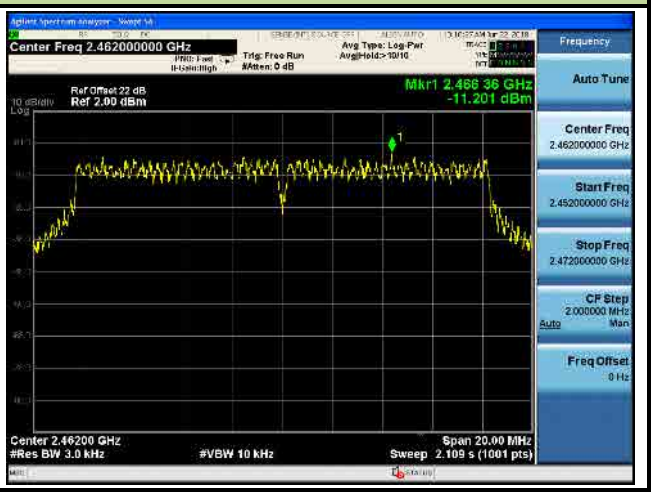
7.4.4. Test Setup

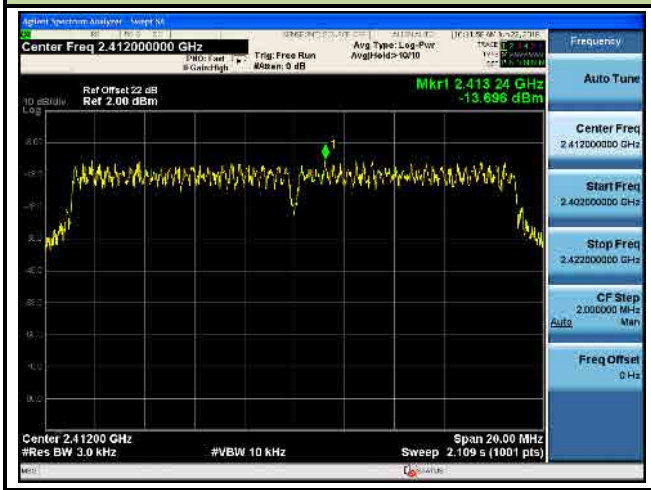
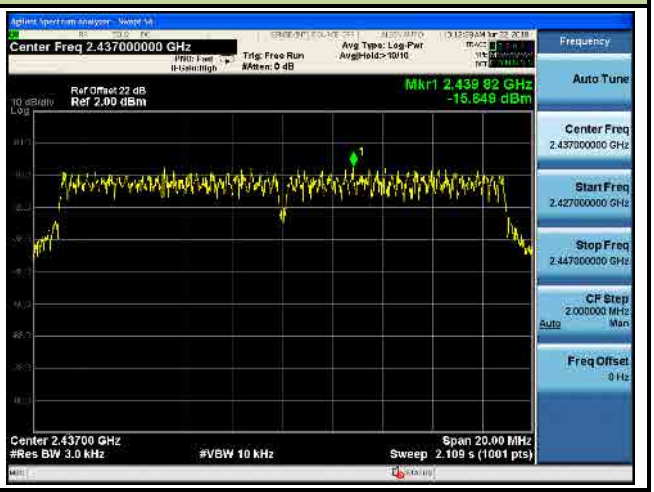
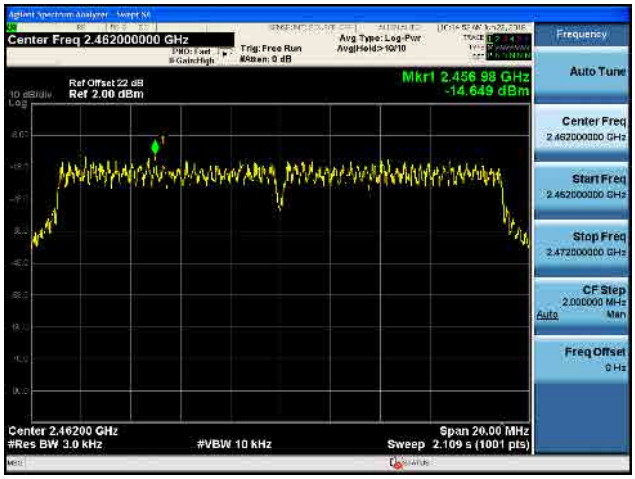
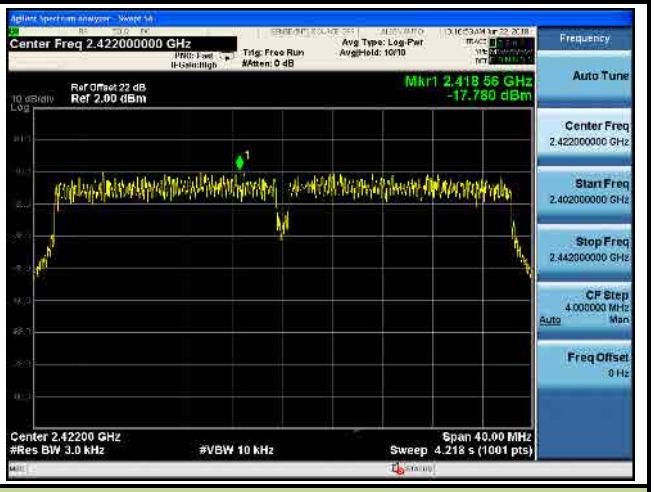
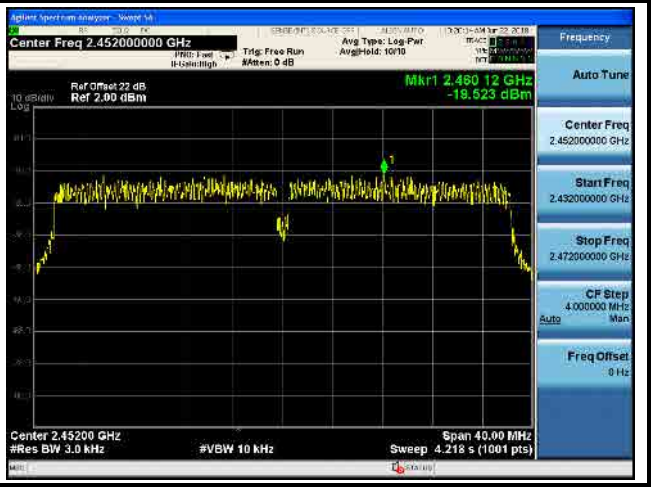


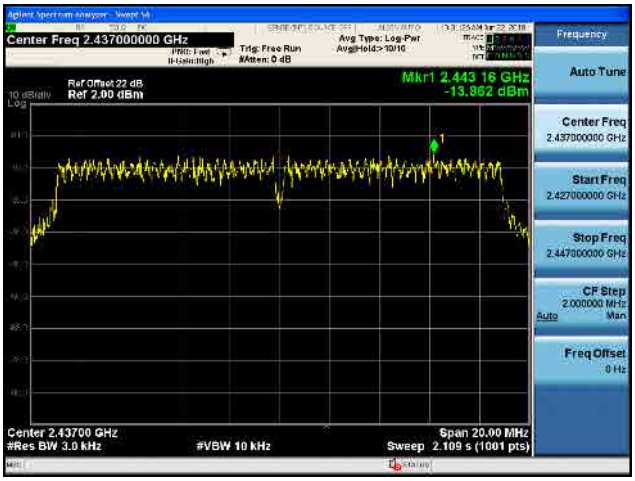
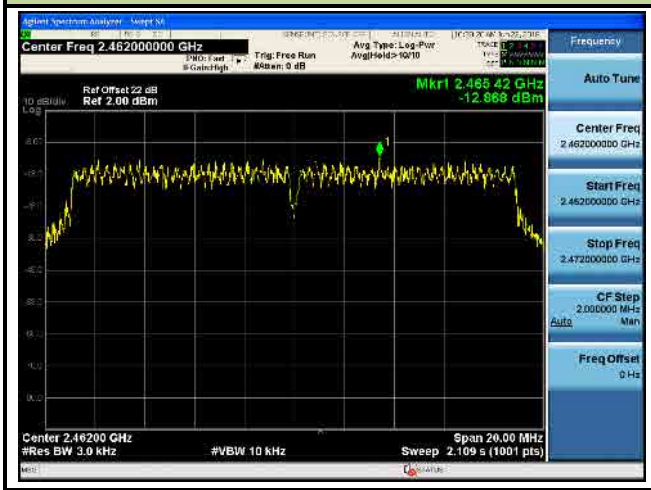
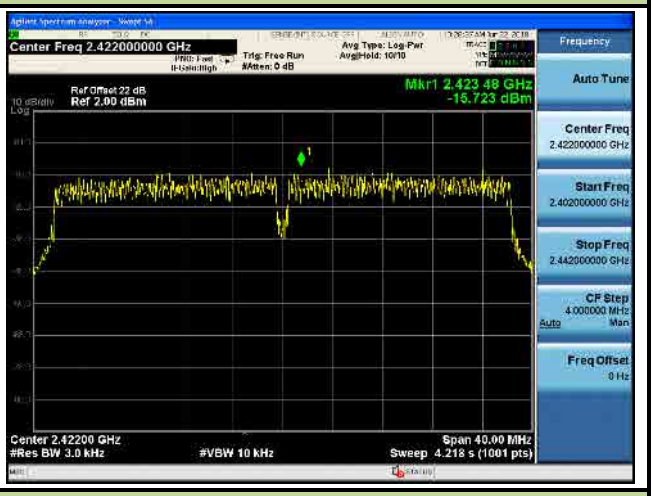
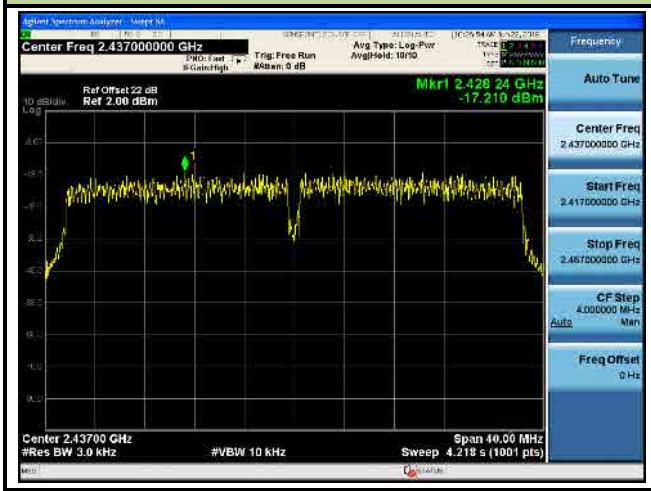
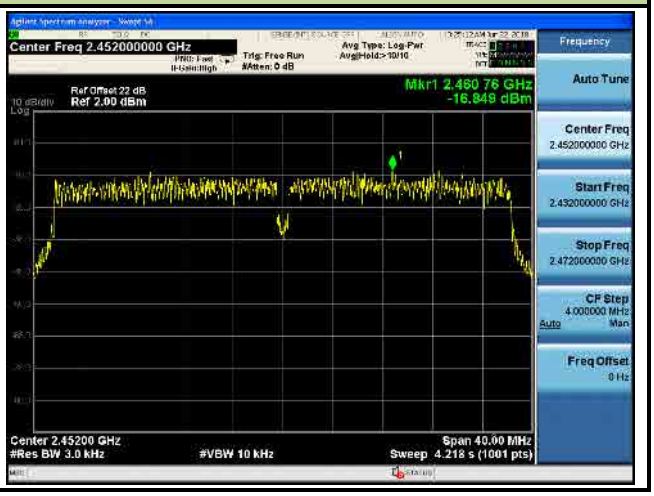
7.4.5. Test Result

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm)	Limit (dBm)	Result
Antenna 0					
11b	1	2412	-8.953	≤ 8	Pass
11b	6	2437	-6.969	≤ 8	Pass
11b	11	2462	-5.077	≤ 8	Pass
11g	1	2412	-11.318	≤ 8	Pass
11g	6	2437	-11.064	≤ 8	Pass
11g	11	2462	-11.201	≤ 8	Pass
11n-20M	1	2412	-13.696	≤ 8	Pass
11n-20M	6	2437	-15.649	≤ 8	Pass
11n-20M	11	2462	-14.649	≤ 8	Pass
11n-40M	3	2422	-17.78	≤ 8	Pass
11n-40M	6	2437	-17.949	≤ 8	Pass
11n-40M	9	2452	-19.523	≤ 8	Pass

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm)	Limit (dBm)	Result
Antenna 1					
11n-20M	1	2412	-11.762	≤ 8	Pass
11n-20M	6	2437	-13.862	≤ 8	Pass
11n-20M	11	2462	-12.868	≤ 8	Pass
11n-40M	3	2422	-15.723	≤ 8	Pass
11n-40M	6	2437	-17.21	≤ 8	Pass
11n-40M	9	2452	-16.849	≤ 8	Pass

Antenna 0	
802.11 b CH01 (2412MHz)	802.11 b CH06 (2437MHz)
	
802.11 b CH11 (2462MHz)	802.11 g CH01 (2412MHz)
	
802.11 g CH06 (2437MHz)	802.11 g CH11 (2462MHz)
	

802.11 n-20M CH01 (2412MHz)	802.11 n-20M CH06 (2437MHz)
	
802.11 n-20M CH11 (2462MHz)	**802.11 n-40M CH03 (2422MHz)**
	
802.11 n-40M CH06 (2437MHz)	**802.11 n-40M CH09 (2452MHz)**
	

Antenna 1	
802.11 n-20M CH01 (2412MHz)	**802.11 n-20M CH06 (2437MHz)**
	
802.11 n-20M CH11 (2462MHz)	**802.11 n-40M CH03 (2422MHz)**
	
802.11 n-40M CH06 (2437MHz)	**802.11 n-40M CH09 (2452MHz)**
	

7.5. Out-of-Band Spurious Emissions Emissions Measurement

7.5.1. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

7.5.2. Test Procedure Used

KDB 558074 D01v05r02- Section 11.1 & 11.2

7.5.3. Test Settitng

(a) Set instrument center frequency to DTS channel center frequency

(b) Set the span to ≥ 1.5 times the DTS bandwidth

(c) Set the RBW = 100 kHz

(d) Set the VBW ≥ 3 x RBW

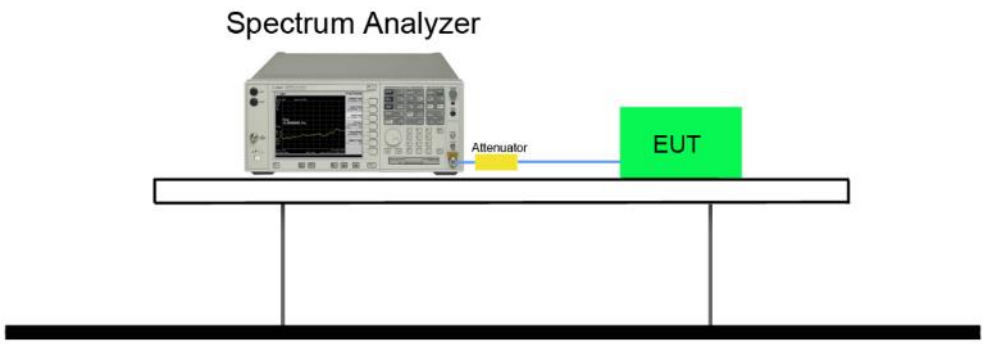
(e) Detector = peak

(f) Sweep time = auto couple

(g) Trace mode = max hold

(h) Allow trace to fully stabilize

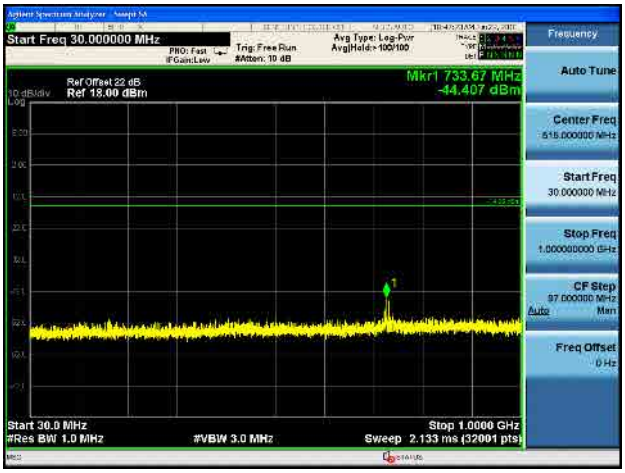
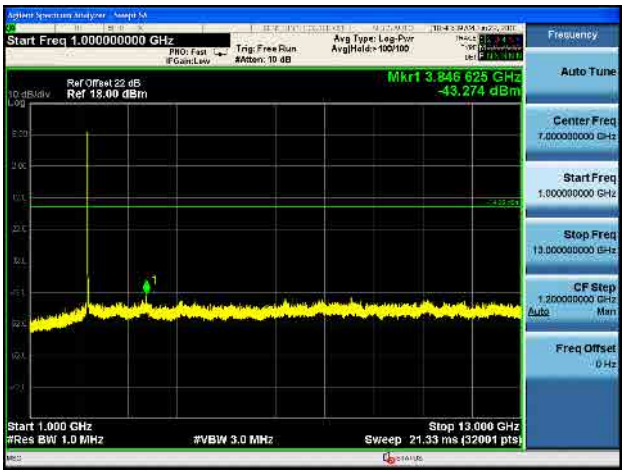
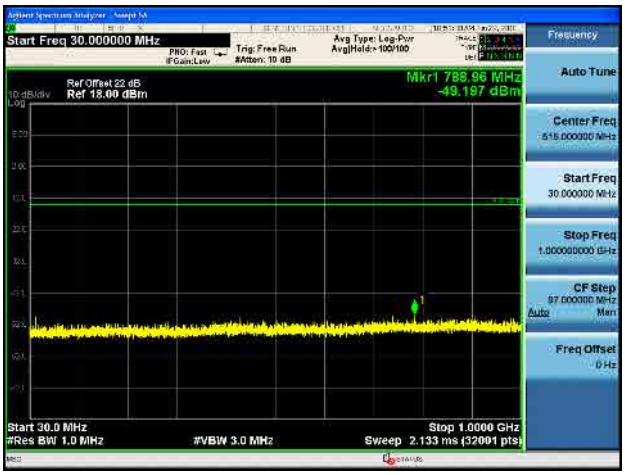
7.5.4. Test Setup

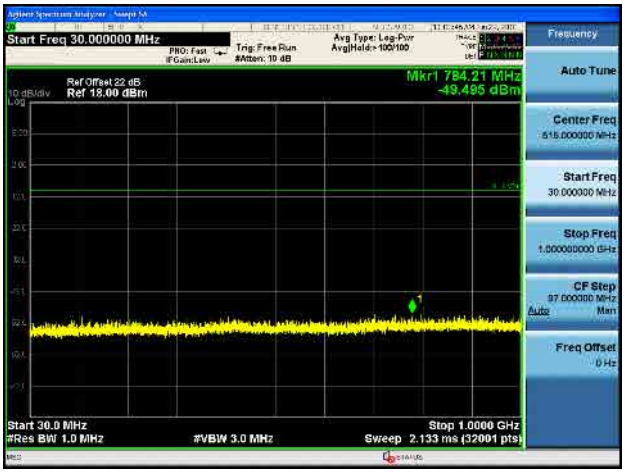
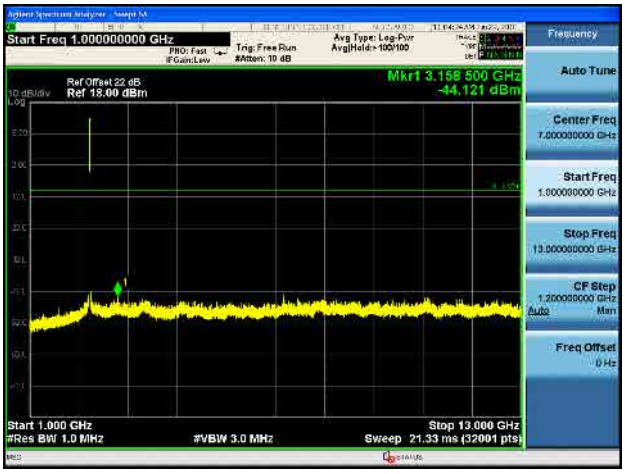


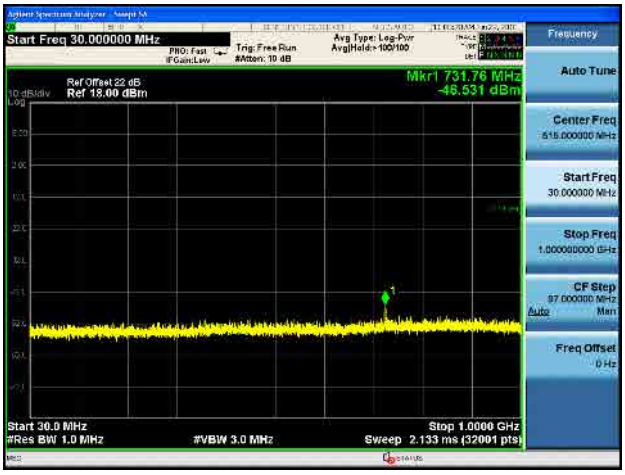
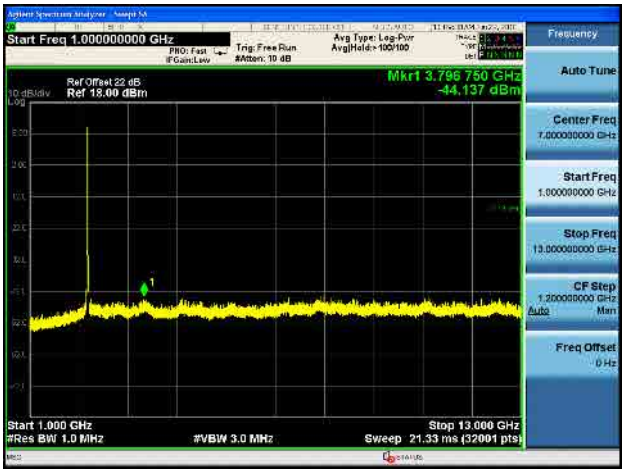
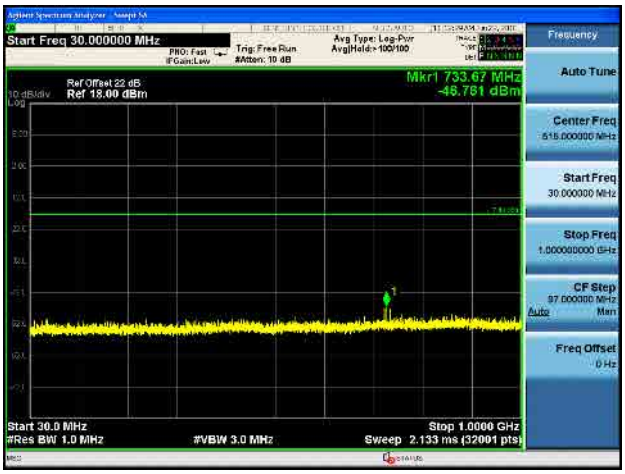
7.5.5. Test Result

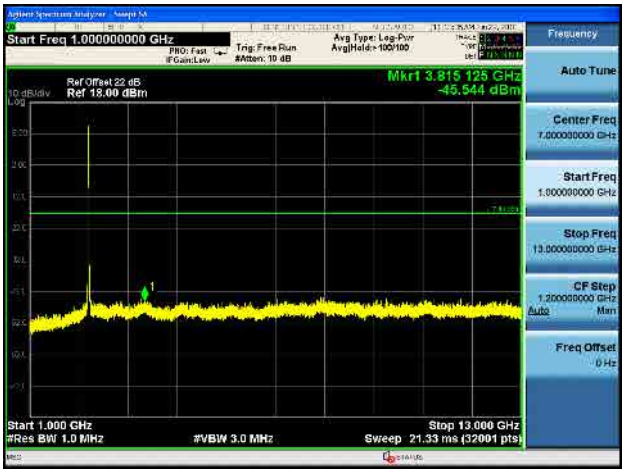
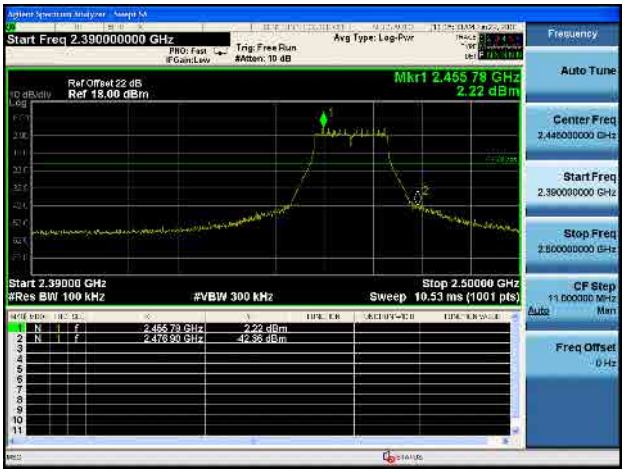
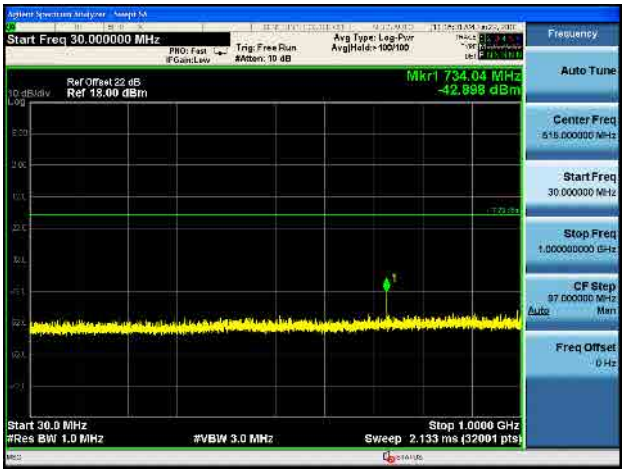
Test Mode	Channel No.	Frequency (MHz)	Limit	Result
Antenna 0				
802.11b	01	2412	20dBc	Pass
802.11b	06	2437	20dBc	Pass
802.11b	11	2462	20dBc	Pass
802.11g	01	2412	20dBc	Pass
802.11g	06	2437	20dBc	Pass
802.11g	11	2462	20dBc	Pass
802.11n-20M	01	2412	20dBc	Pass
802.11n-20M	06	2437	20dBc	Pass
802.11n-20M	11	2462	20dBc	Pass
802.11n-40M	03	2422	20dBc	Pass
802.11n-40M	06	2437	20dBc	Pass
802.11n-40M	09	2452	20dBc	Pass

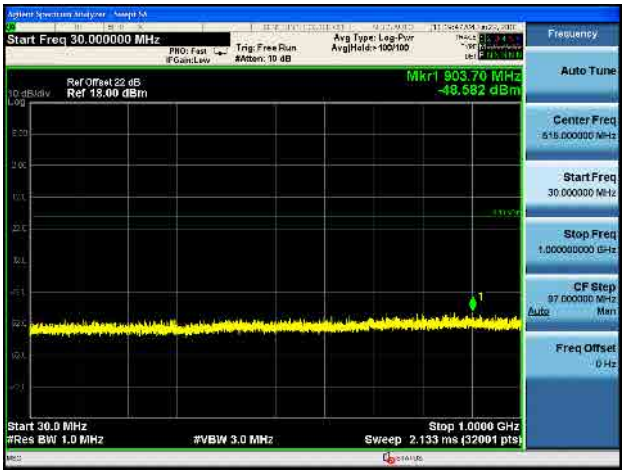
Test Mode	Channel No.	Frequency (MHz)	Limit	Result
Antenna 1				
802.11n-20M	01	2412	20dBc	Pass
802.11n-20M	06	2437	20dBc	Pass
802.11n-20M	11	2462	20dBc	Pass
802.11n-40M	03	2422	20dBc	Pass
802.11n-40M	06	2437	20dBc	Pass
802.11n-40M	09	2452	20dBc	Pass

Antenna 0	
802.11 b CH01 (2412MHz)	**802.11 b CH01 (2412MHz)**
	
802.11 b CH01 (2412MHz)	**802.11 b CH01 (2412MHz)**
	
802.11 b CH06 (2437MHz)	**802.11 b CH06 (2437MHz)**
	

802.11 b CH06 (2437MHz)	802.11 b CH06 (2437MHz)
	
802.11 b CH11 (2462MHz)	**802.11 b CH11 (2462MHz)**
	
802.11 b CH11 (2462MHz)	**802.11 b CH11 (2462MHz)**
	

802.11 g CH01 (2412MHz)	802.11 g CH01 (2412MHz)
	
802.11 g CH01 (2412MHz)	**802.11 g CH01 (2412MHz)**
	
802.11 g CH06 (2437MHz)	**802.11 g CH06 (2437MHz)**
	

802.11 g CH06 (2437MHz)	802.11 g CH06 (2437MHz)
	
802.11 g CH11 (2462MHz)	**802.11 g CH11 (2462MHz)**
	
802.11 g CH11 (2462MHz)	**802.11 g CH11 (2462MHz)**
	

802.11 n20 CH01 (2412MHz)	802.11 n20 CH01 (2412MHz)
	
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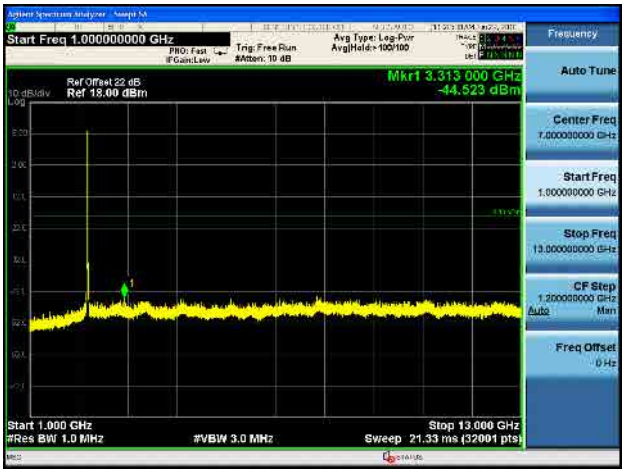
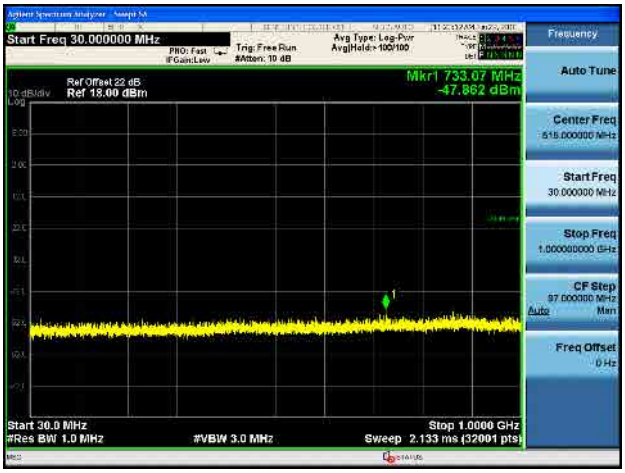
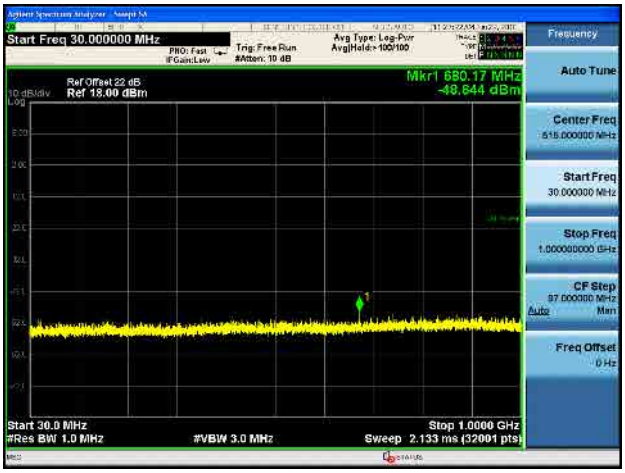
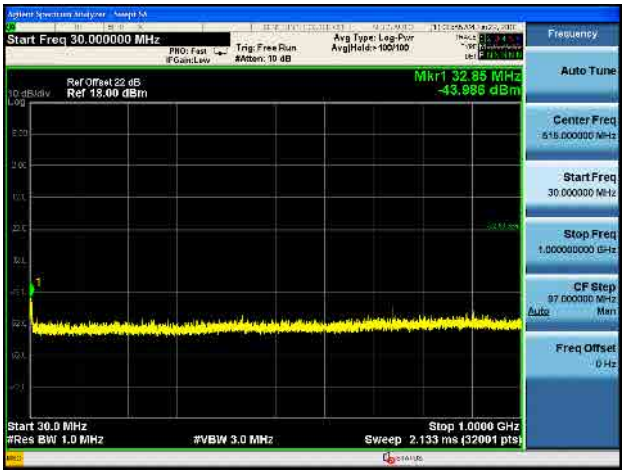
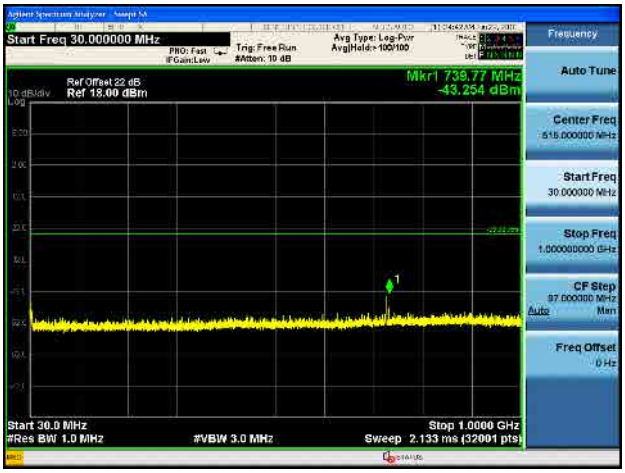
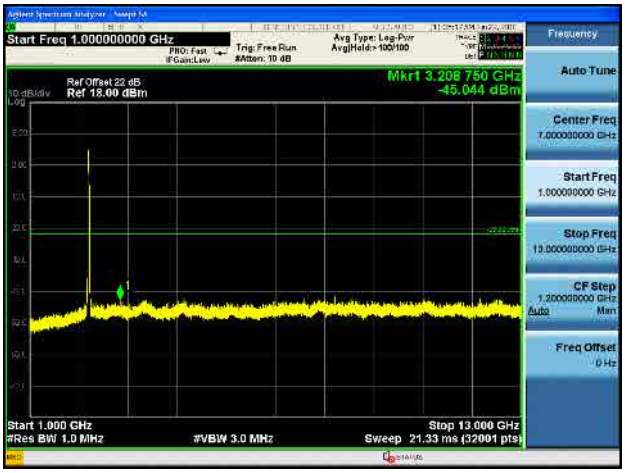
	
802.11 n20 CH06 (2437MHz)	**802.11 n20 CH06 (2437MHz)**
	

802.11 n20 CH06 (2437MHz)	802.11 n20 CH06 (2437MHz)
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	

802.11 n40 CH03 (2422MHz)	802.11 n40 CH03 (2422MHz)
	
802.11 n40 CH03 (2422MHz)	**802.11 n40 CH03 (2422MHz)**
	
802.11 n40 CH06 (2437MHz)	**802.11 n40 CH06 (2437MHz)**
	

802.11 n40 CH06 (2437MHz)	802.11 n40 CH06 (2437MHz)
	
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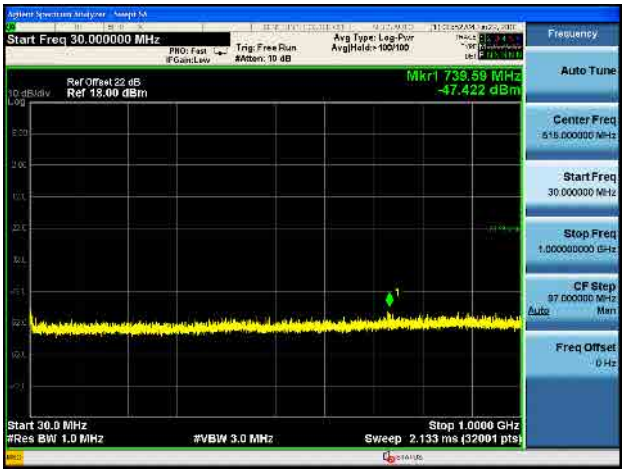
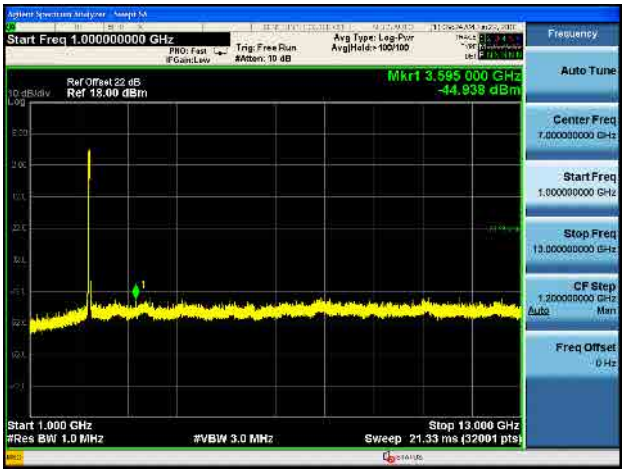
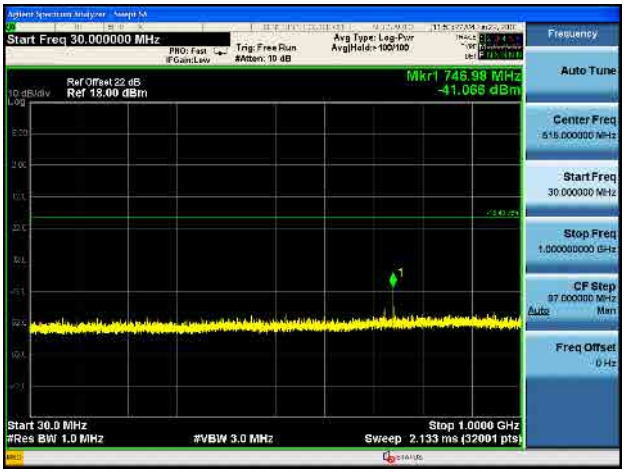
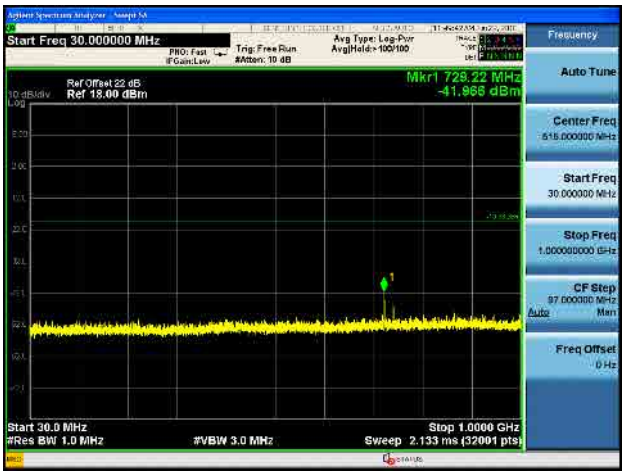
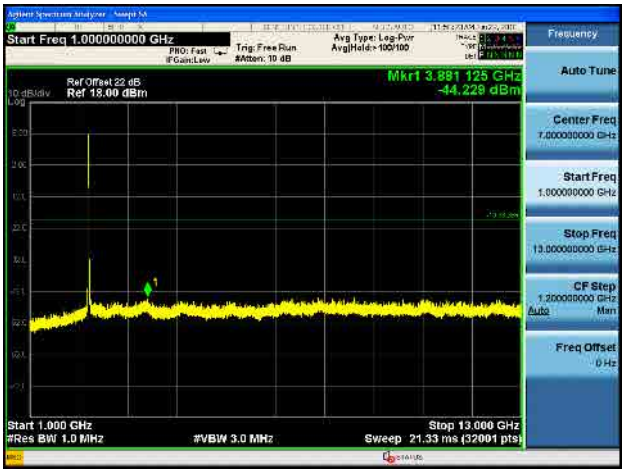
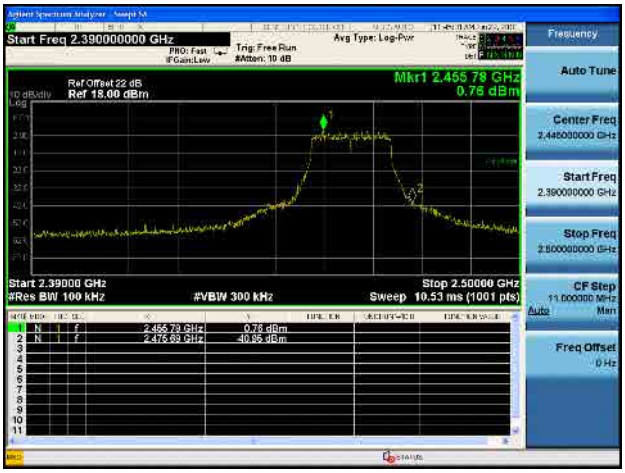
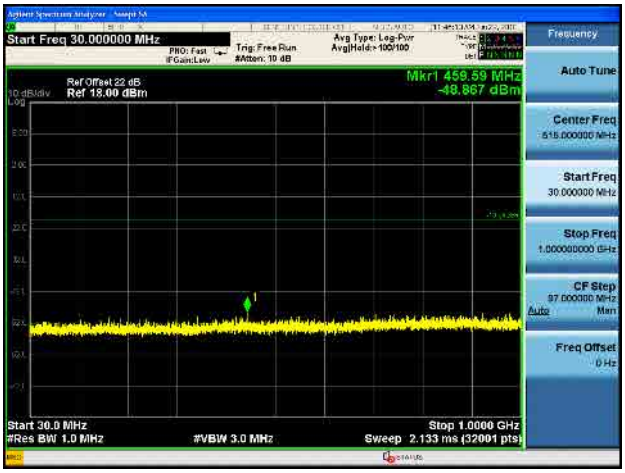
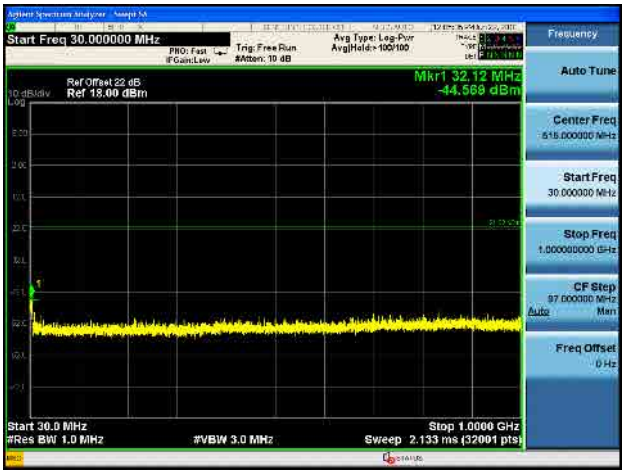
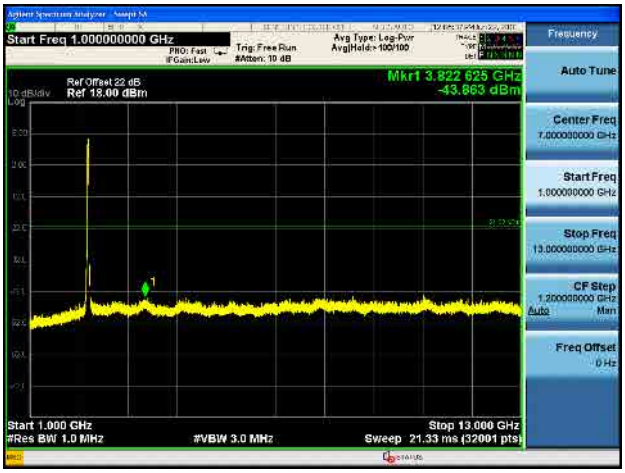
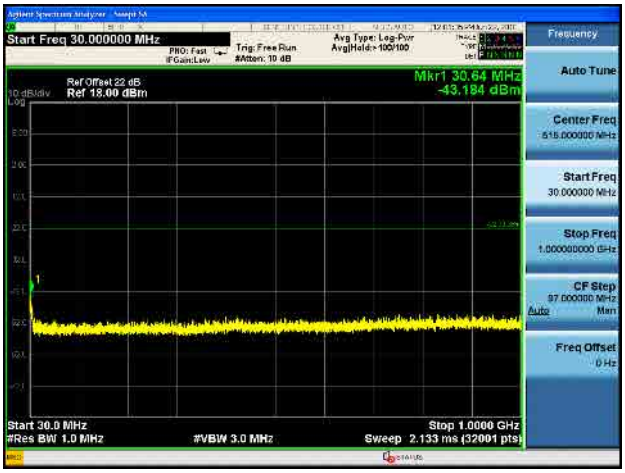
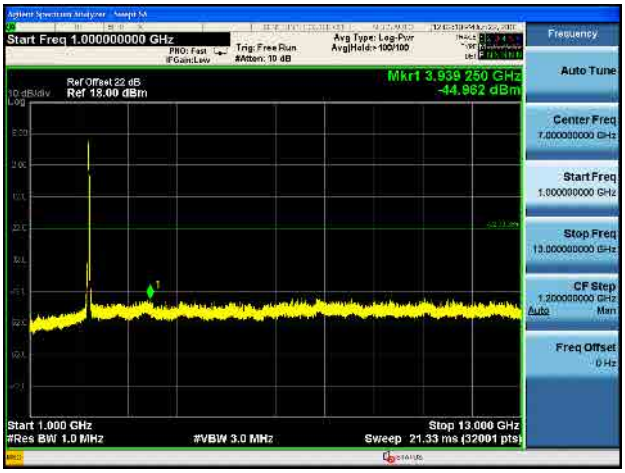
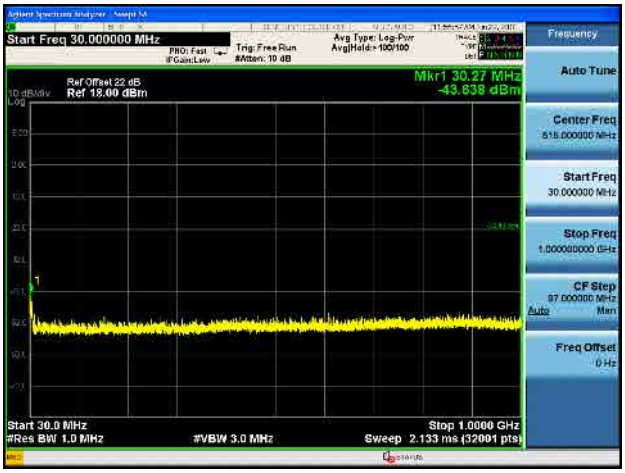
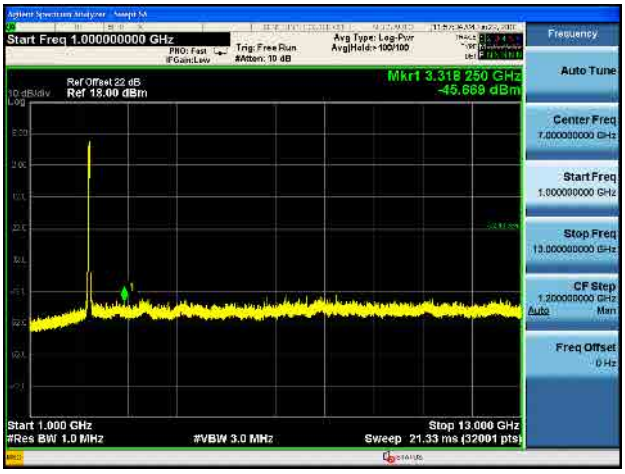
	
802.11 n40 CH09 (2452MHz)	**802.11 n40 CH09 (2452MHz)**
	

Antenna 1	
802.11 n20 CH01 (2412MHz)	**802.11 n20 CH01 (2412MHz)**
	
802.11 n20 CH01 (2412MHz)	**802.11 n20 CH01 (2412MHz)**
	
802.11 n20 CH06 (2437MHz)	**802.11 n20 CH06 (2437MHz)**
	

802.11 n20 CH06 (2437MHz)	802.11 n20 CH06 (2437MHz)
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	

802.11 n40 CH03 (2422MHz)	802.11 n40 CH03 (2422MHz)
	
802.11 n40 CH03 (2422MHz)	**802.11 n40 CH03 (2422MHz)**
	
802.11 n40 CH06 (2437MHz)	**802.11 n40 CH06 (2437MHz)**
	

802.11 n40 CH06 (2437MHz)	802.11 n40 CH06 (2437MHz)
	
802.11 n40 CH09 (2452MHz)	**802.11 n40 CH09 (2452MHz)**
	
802.11 n40 CH09 (2452MHz)	**802.11 n40 CH09 (2452MHz)**
	

7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. Test Procedure Used

ANSI C62.10 - Section 11.12.2.3 (quasi-peak measurements)

ANSI C62.10 - Section 11.12.2.4 (peak power measurements)

ANSI C62.10 - Section 11.12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

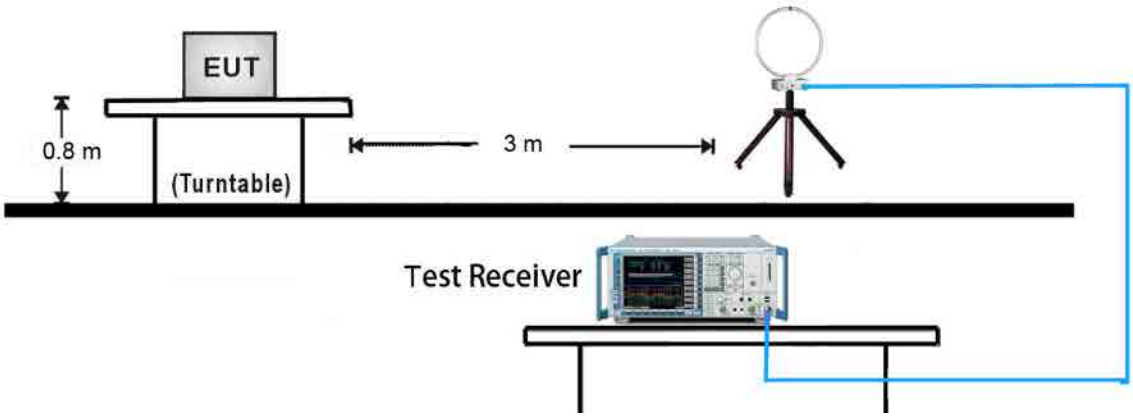
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

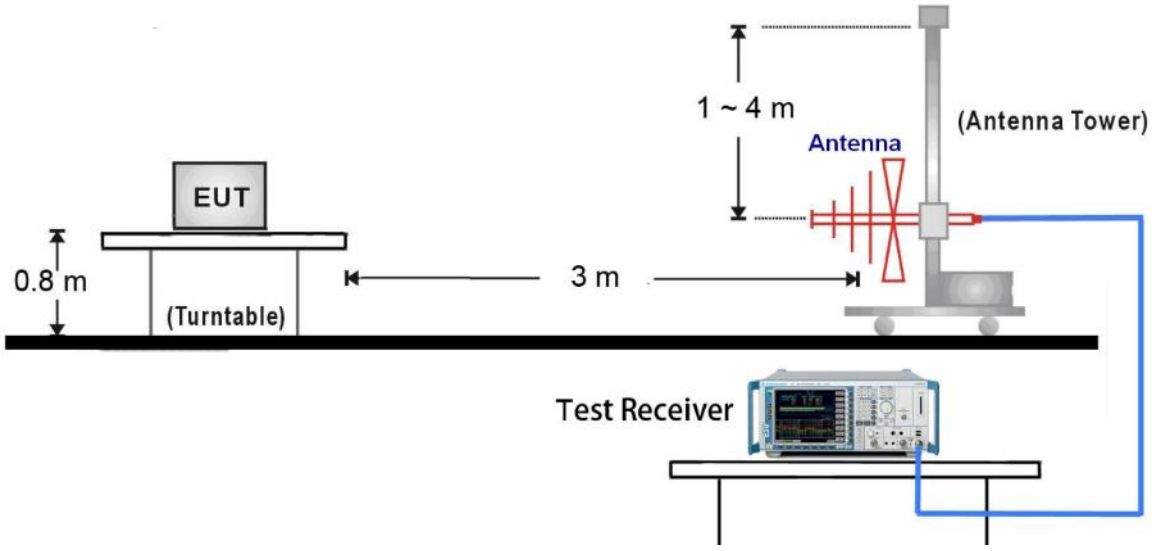
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4. Test Setup

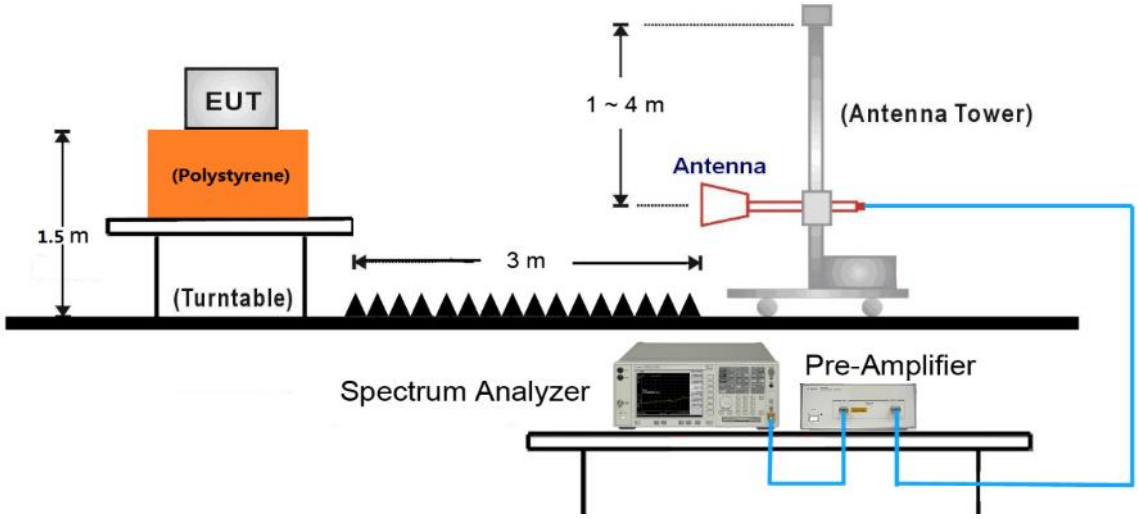
9kHz ~ 30MHz Test Setup:



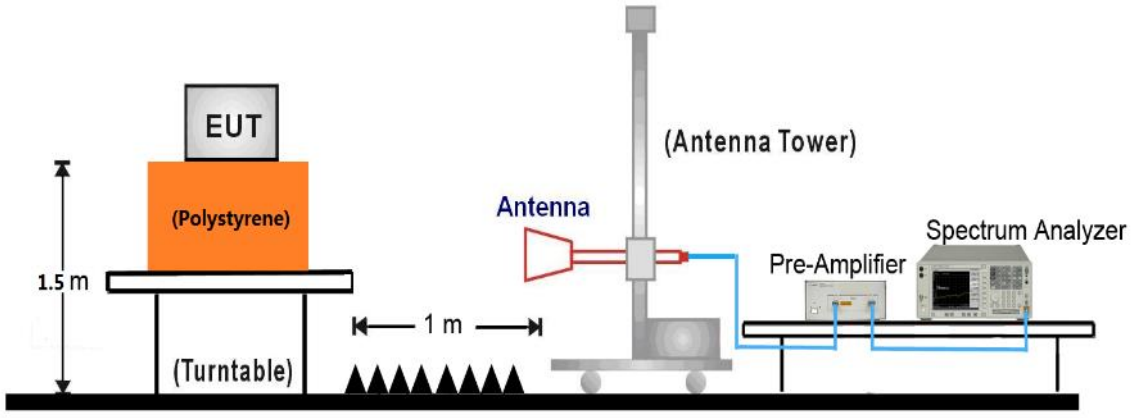
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

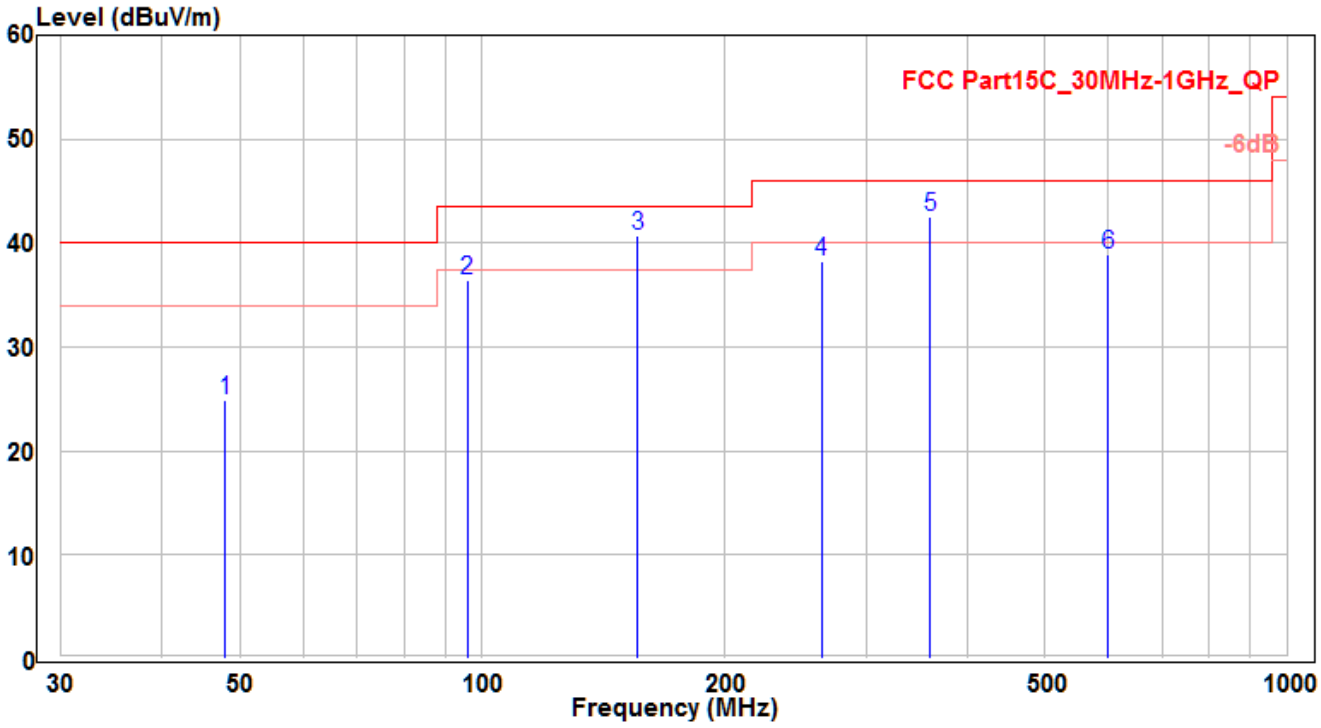


18GHz ~25GHz Test Setup:



7.6.5. Test Result

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/5/31
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3	Test Voltage	AC 120V/60Hz

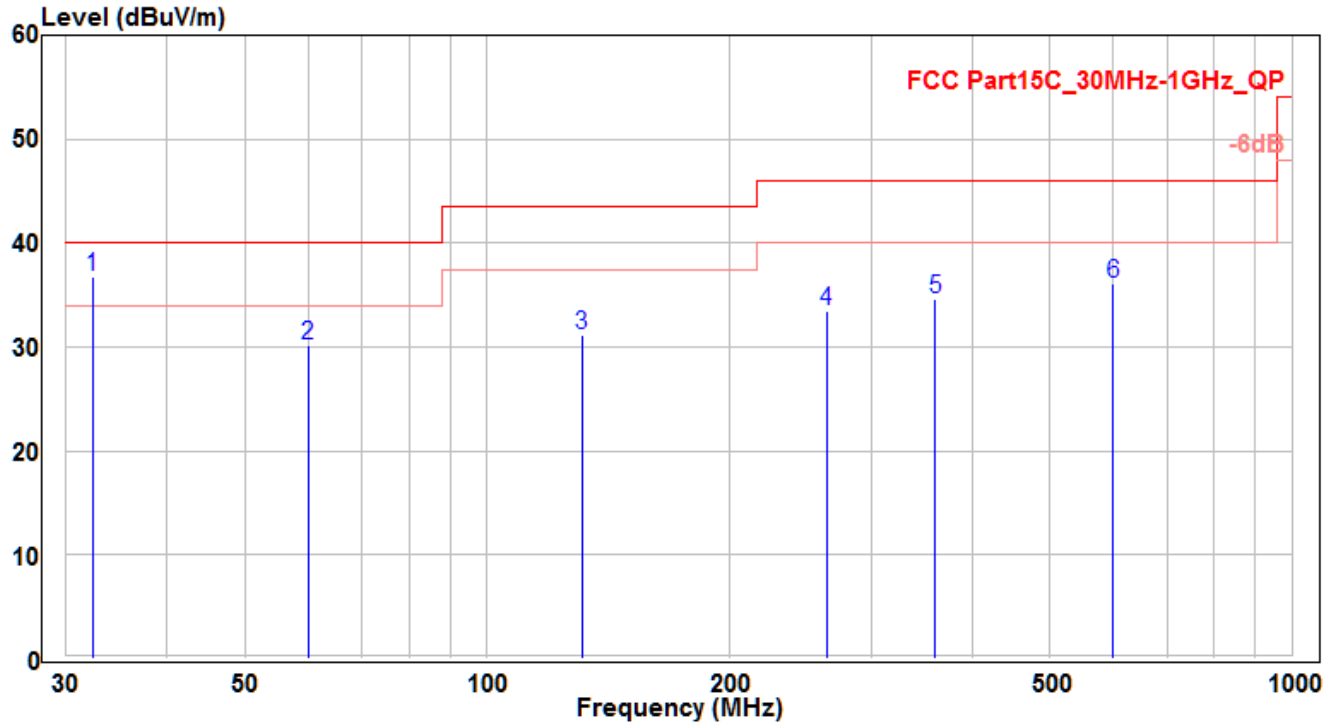


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		48.006	3.35	21.49	24.84	-15.16	40	150	60	QP
2		95.99	17.97	18.5	36.47	-7.03	43.5	170	150	QP
3	*	156.009	24.71	16.08	40.79	-2.71	43.5	115	200	QP
4		263.982	17.69	20.62	38.31	-7.69	46	160	360	QP
5		359.982	18.8	23.66	42.46	-3.54	46	190	350	QP
6		599.996	11.18	27.7	38.88	-7.12	46	185	400	QP

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/5/31
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3	Test Voltage	AC 120V/60Hz

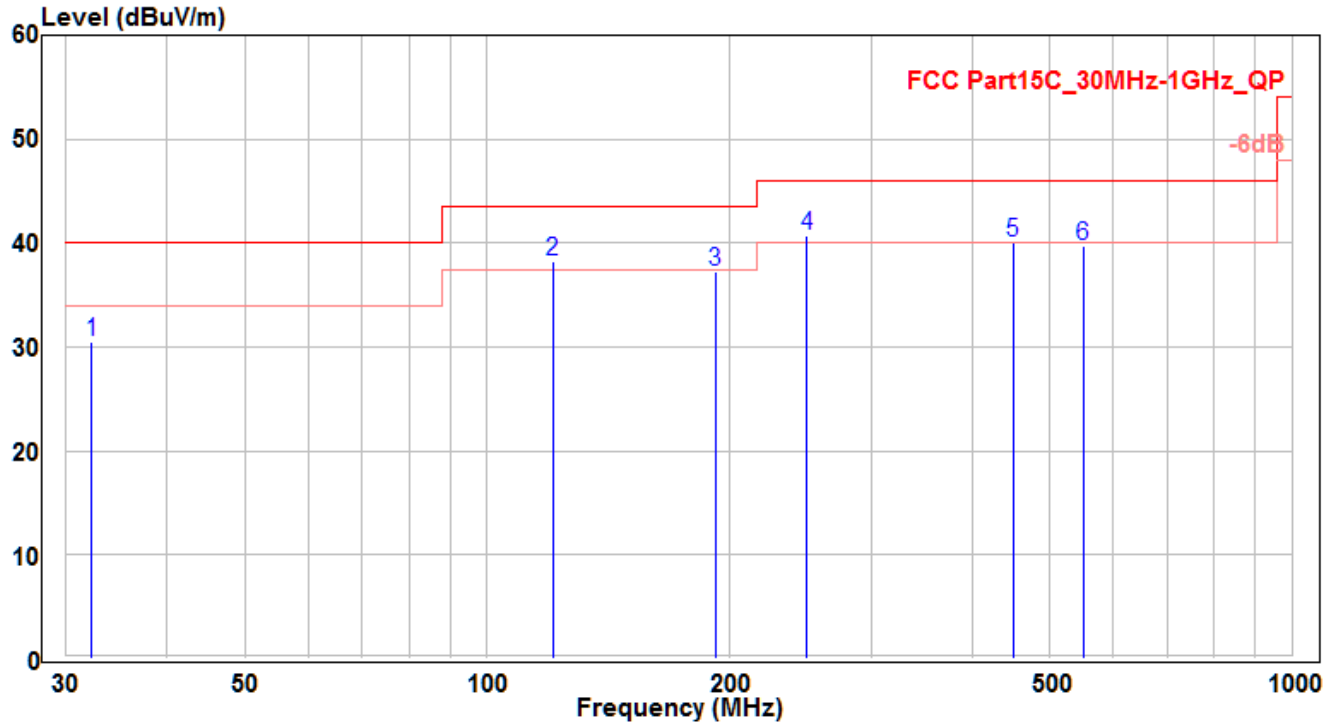


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	32.334	18.4	18.32	36.72	-3.28	40	165	360	QP
2		59.979	10.03	20.11	30.14	-9.86	40	100	400	QP
3		131.274	14.82	16.29	31.11	-12.39	43.5	155	260	QP
4		264.013	12.87	20.62	33.49	-12.51	46	175	100	QP
5		359.982	11.13	23.46	34.59	-11.41	46	145	-40	QP
6		599.996	8.5	27.6	36.1	-9.9	46	120	240	QP

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/5/31
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE7	Test Voltage	AC 120V/60Hz

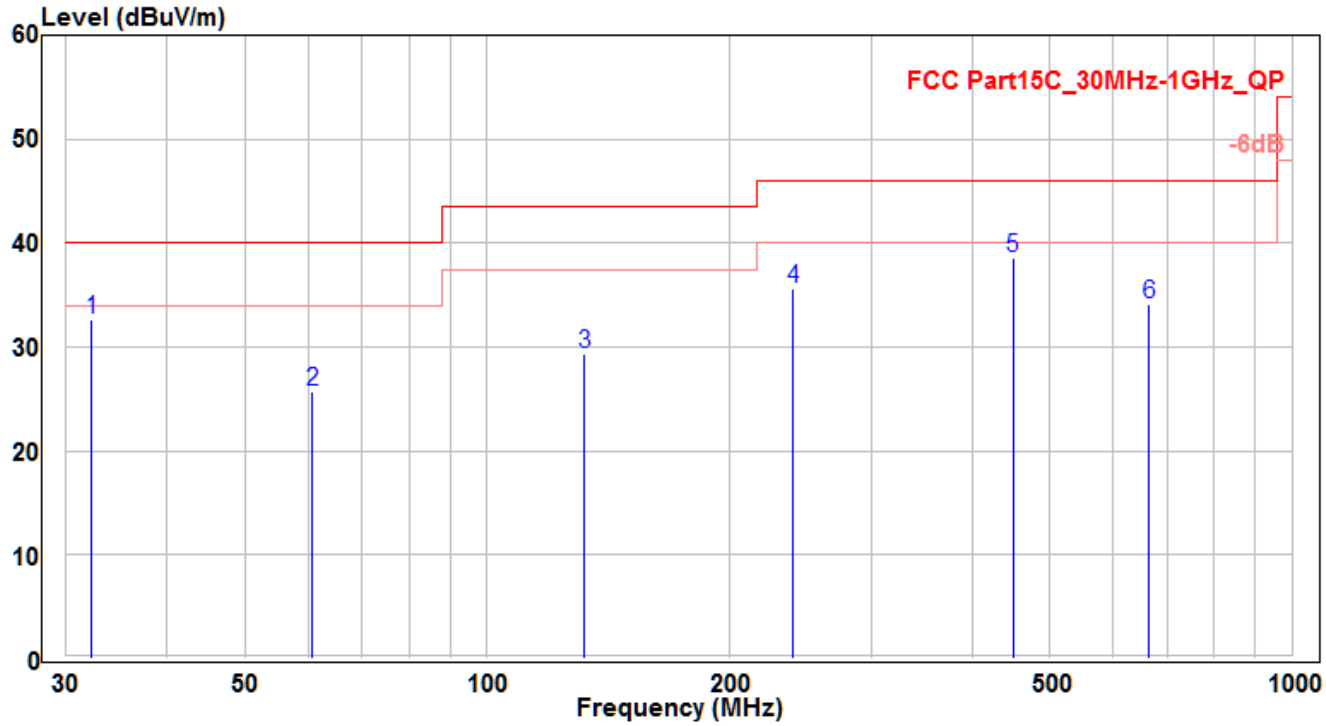


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		32.243	12.28	18.3	30.58	-9.42	40	150	400	QP
2		120.725	20.4	17.82	38.22	-5.28	43.5	100	400	QP
3		191.99	18.48	18.72	37.2	-6.3	43.5	115	-40	QP
4	*	249.978	20.44	20.34	40.78	-5.22	46	180	360	QP
5		450.01	15.5	24.49	39.99	-6.01	46	125	125	QP
6		550.011	13.18	26.51	39.69	-6.31	46	175	140	QP

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/5/31
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE7	Test Voltage	AC 120V/60Hz

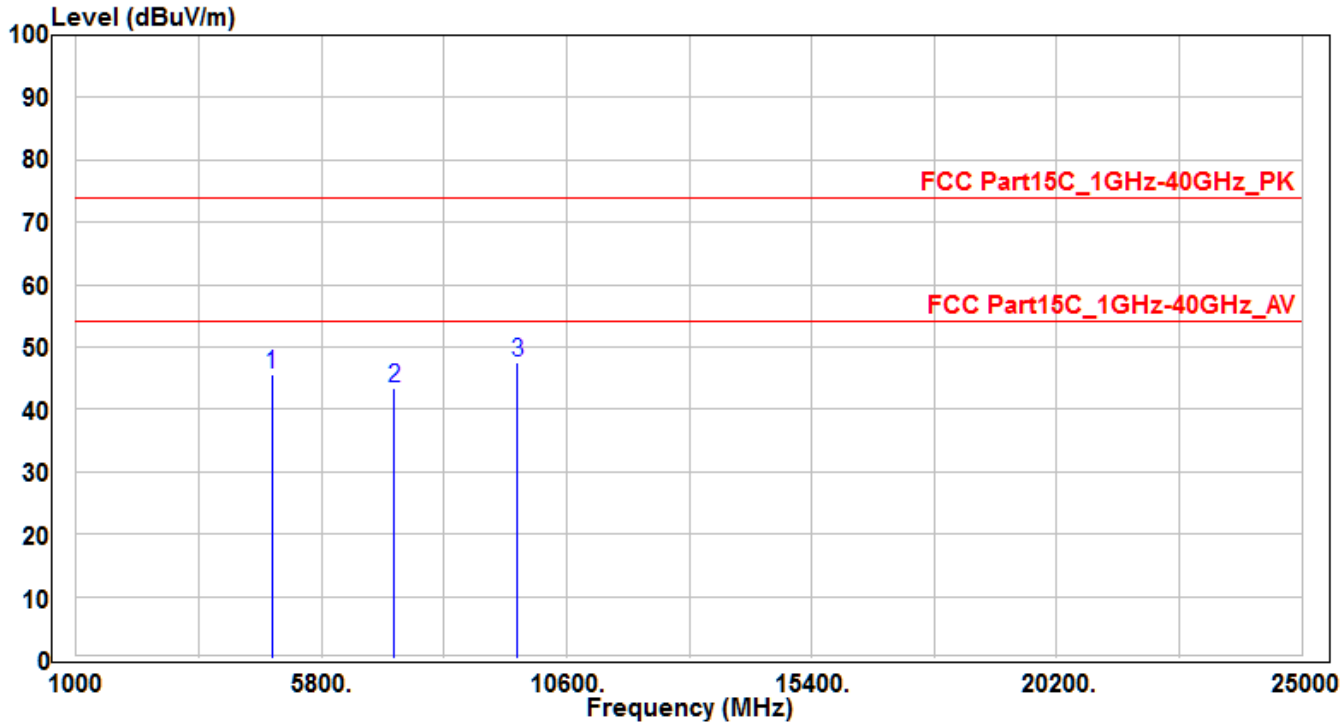


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		32.243	14.3	18.3	32.6	-7.4	40	170	400	QP
2		60.737	5.98	19.78	25.76	-14.24	40	100	400	QP
3		132.062	13.19	16.23	29.42	-14.08	43.5	150	360	QP
4		240.005	15.69	19.9	35.59	-10.41	46	120	250	QP
5	*	450.01	14.14	24.49	38.63	-7.37	46	190	280	QP
6		665.289	5.5	28.65	34.15	-11.85	46	160	250	QP

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH01_Ant 0	Test Voltage	AC 120V/60Hz

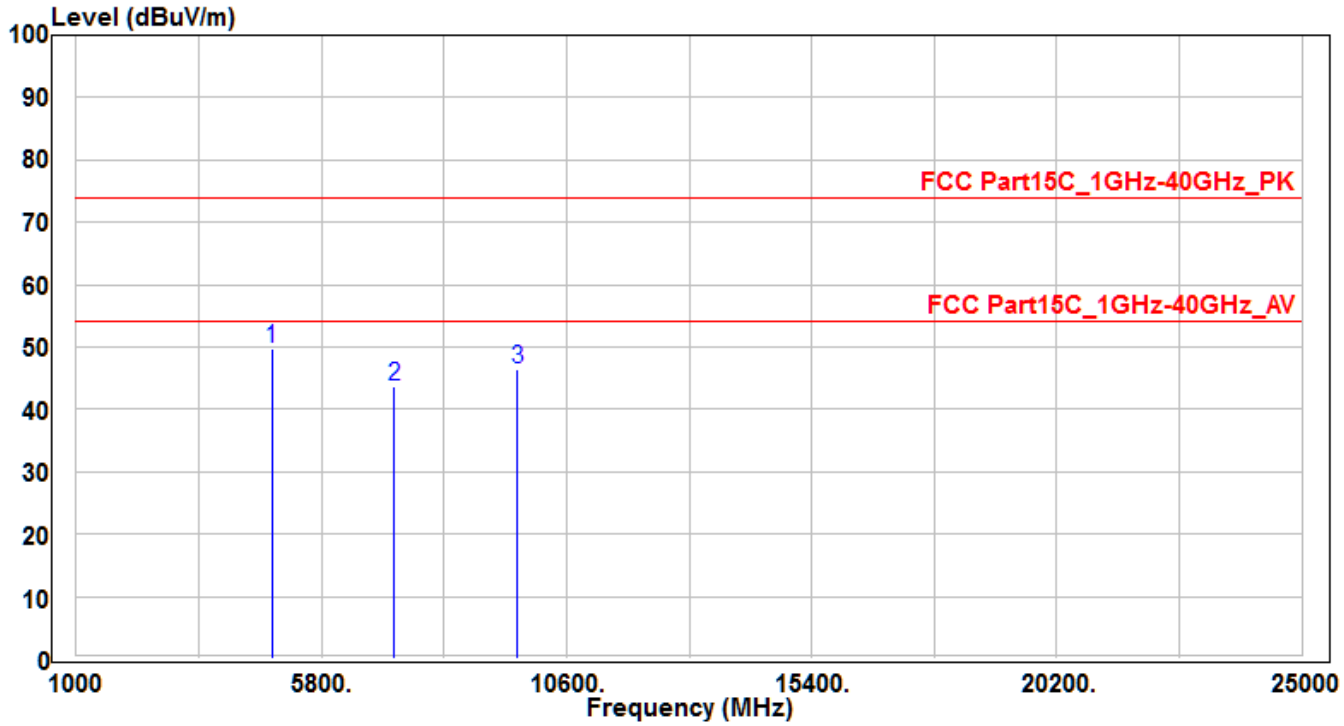


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	42.31	3.36	45.67	-28.33	74	100	400	Peak
2		7236	31.4	11.97	43.37	-30.63	74	100	400	Peak
3	*	9648	32.54	14.96	47.5	-26.5	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH01_Ant 0	Test Voltage	AC 120V/60Hz

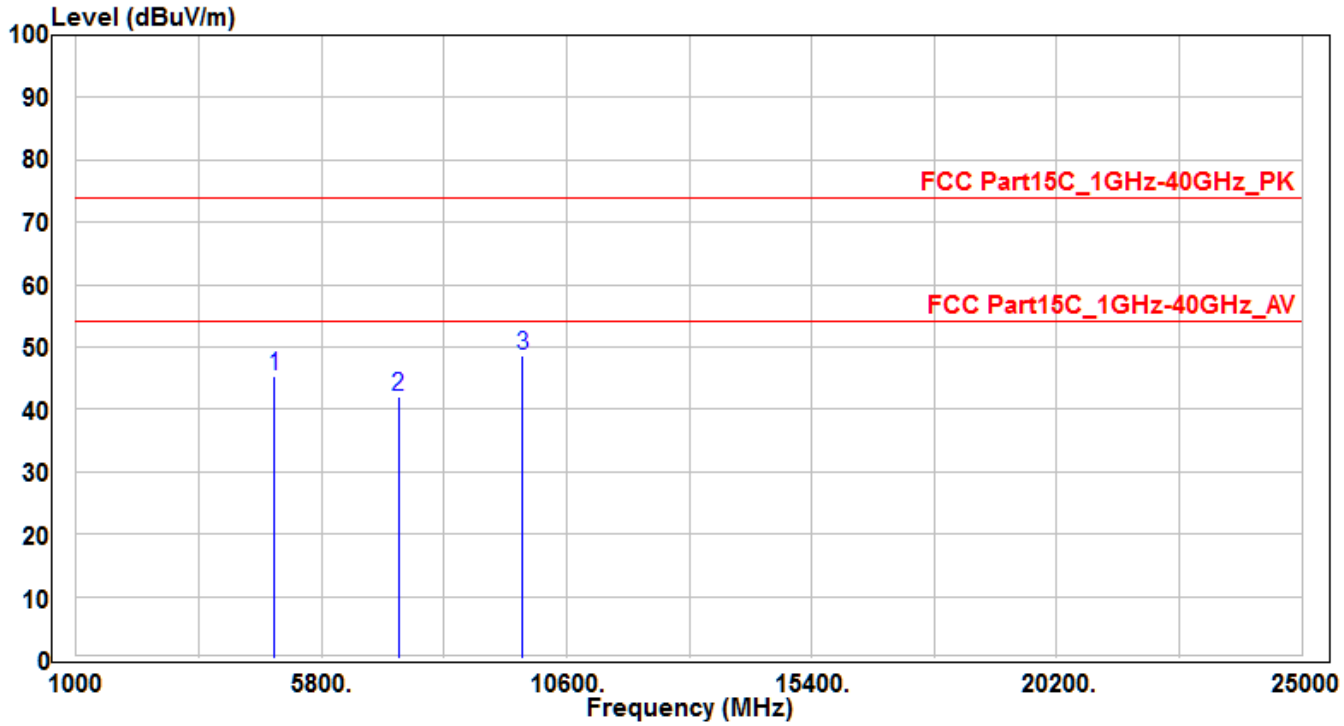


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824	46.36	3.36	49.72	-24.28	74	100	400	Peak
2		7236	31.74	11.97	43.71	-30.29	74	100	400	Peak
3		9648	31.47	14.96	46.43	-27.57	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH06_Ant 0	Test Voltage	AC 120V/60Hz

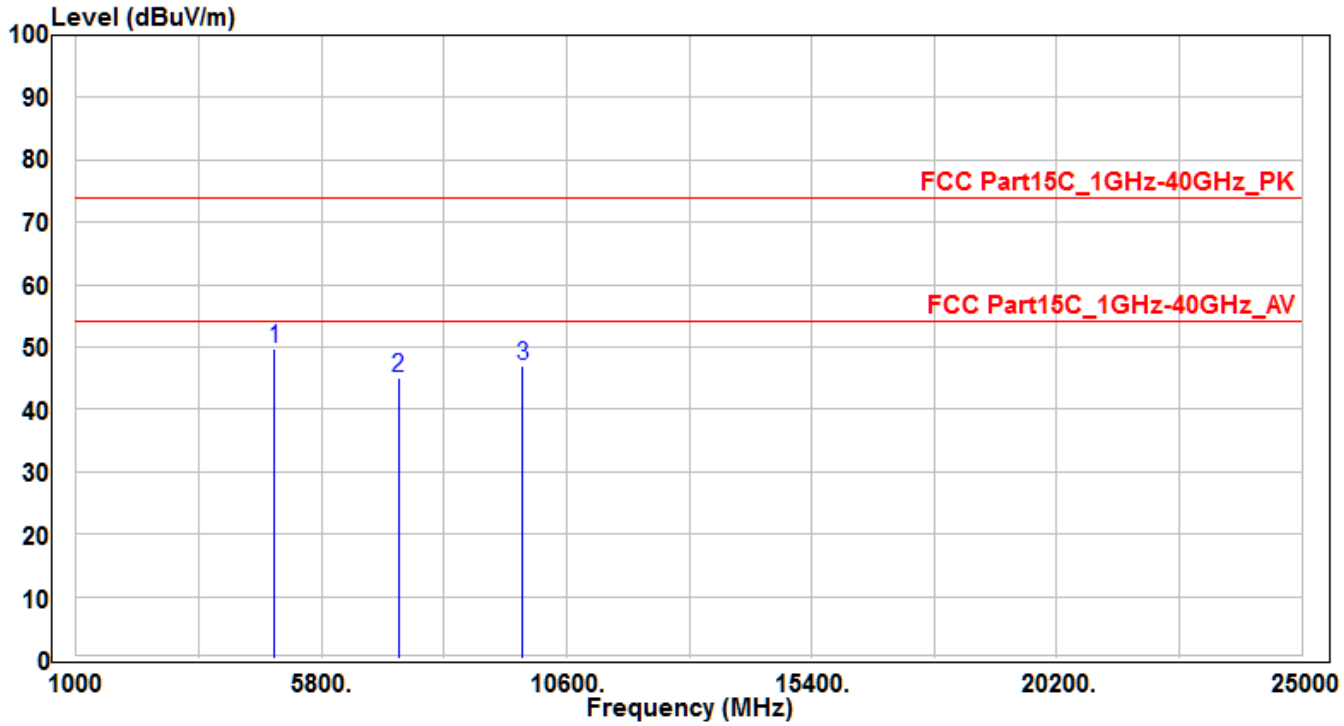


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	41.87	3.47	45.34	-28.66	74	100	400	Peak
2		7311	29.81	12.18	41.99	-32.01	74	100	400	Peak
3	*	9748	33.45	15.19	48.64	-25.36	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH06_Ant 0	Test Voltage	AC 120V/60Hz

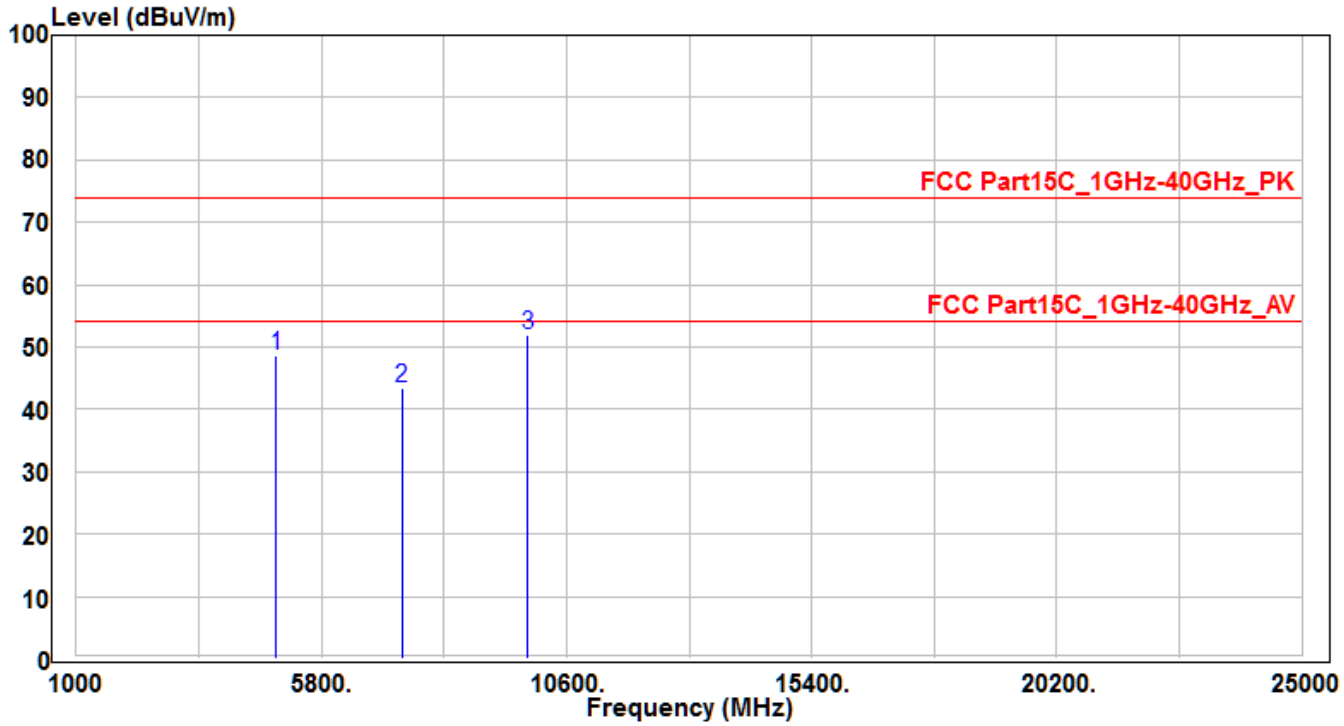


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4874	46.21	3.47	49.68	-24.32	74	100	400	Peak
2		7311	32.94	12.18	45.12	-28.88	74	100	400	Peak
3		9748	31.82	15.19	47.01	-26.99	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH11_Ant 0	Test Voltage	AC 120V/60Hz

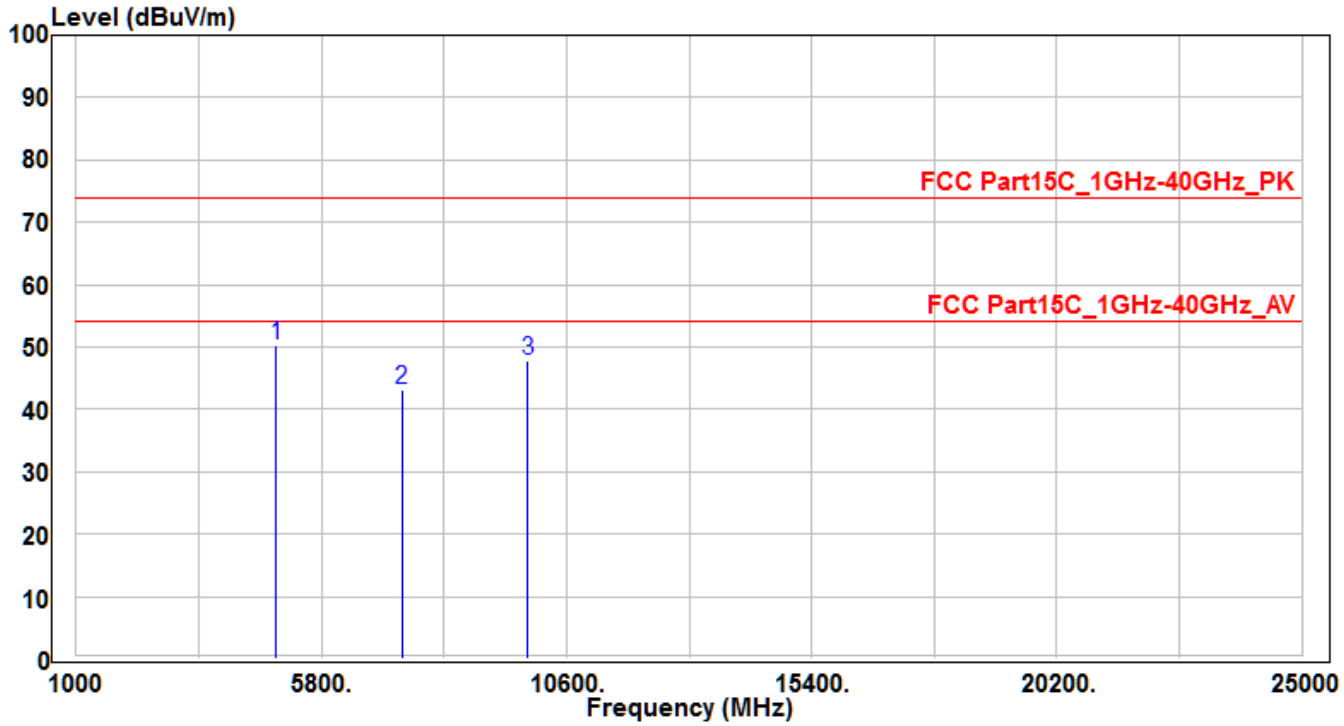


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	45.06	3.58	48.64	-25.36	74	100	400	Peak
2		7386	31.02	12.39	43.41	-30.59	74	100	400	Peak
3	*	9848	36.44	15.42	51.86	-22.14	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH11_Ant 0	Test Voltage	AC 120V/60Hz

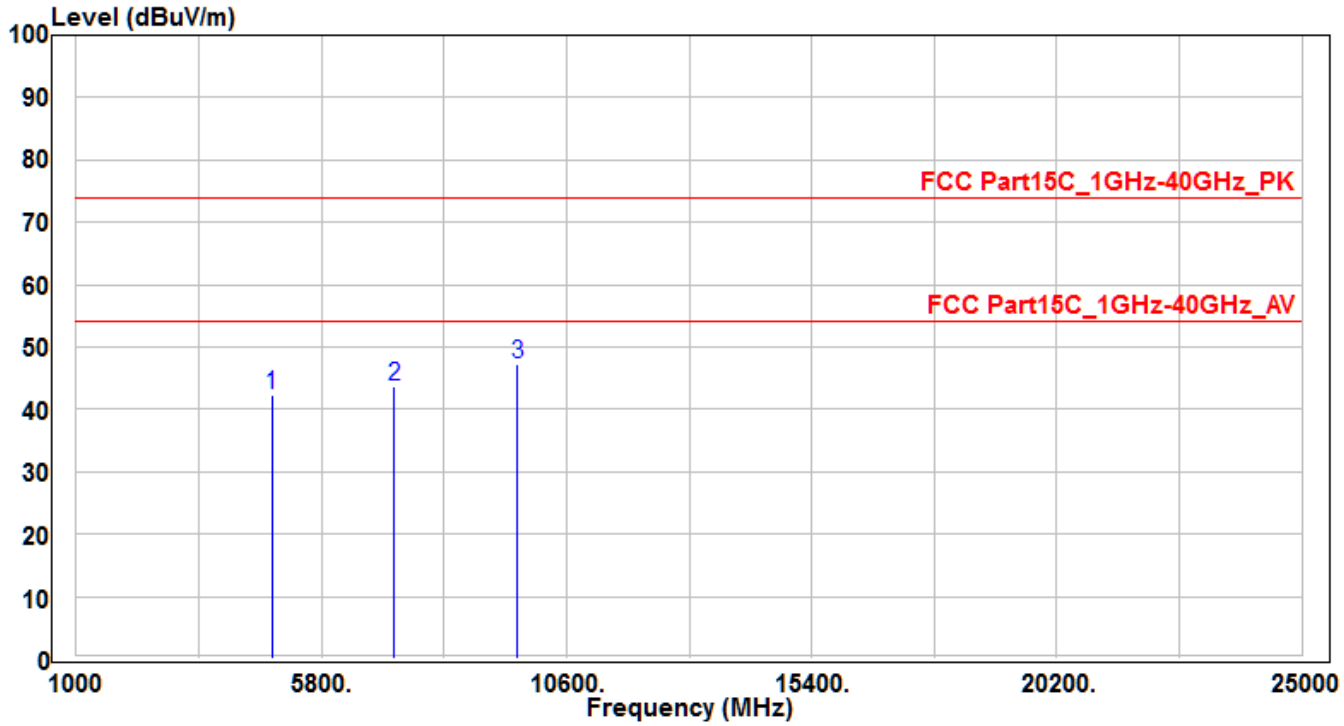


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4924	46.61	3.58	50.19	-23.81	74	100	400	Peak
2		7386	30.79	12.39	43.18	-30.82	74	100	400	Peak
3		9848	32.43	15.42	47.85	-26.15	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH01_Ant 0	Test Voltage	AC 120V/60Hz

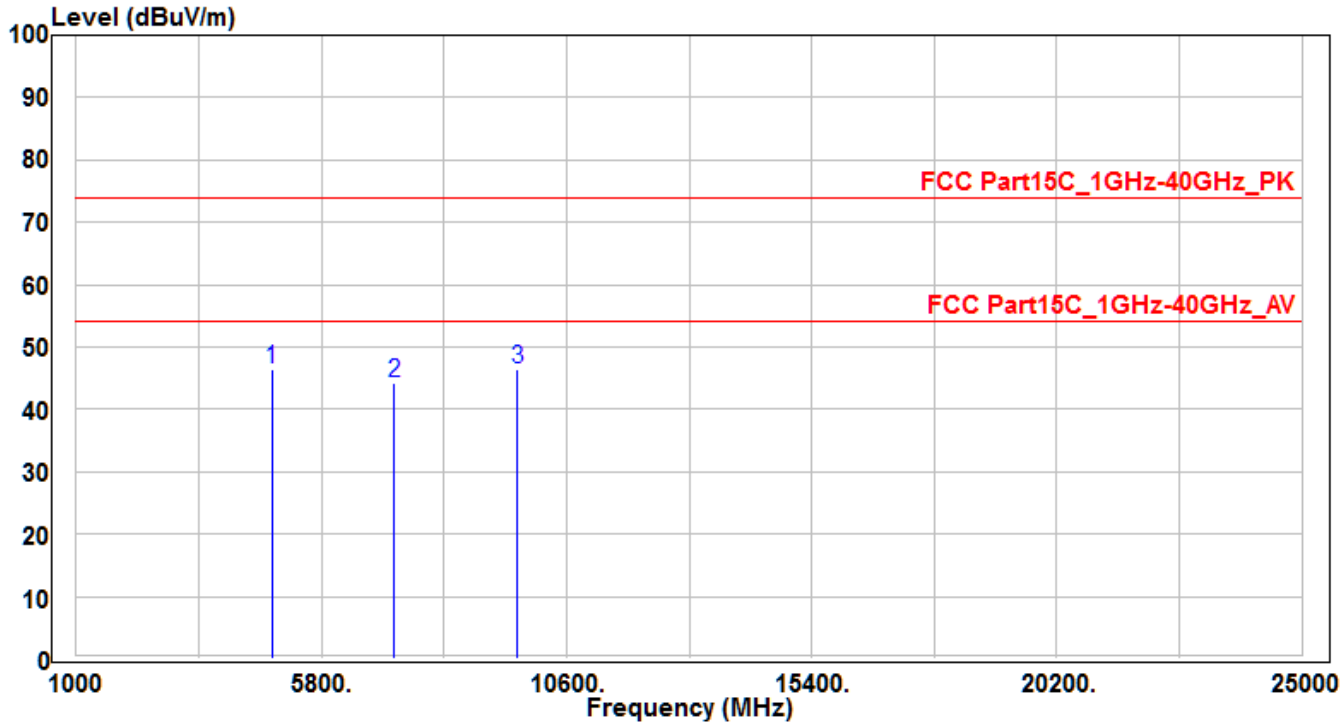


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	38.82	3.36	42.18	-31.82	74	100	400	Peak
2		7236	31.7	11.97	43.67	-30.33	74	100	400	Peak
3	*	9648	32.18	14.96	47.14	-26.86	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH01_Ant 0	Test Voltage	AC 120V/60Hz

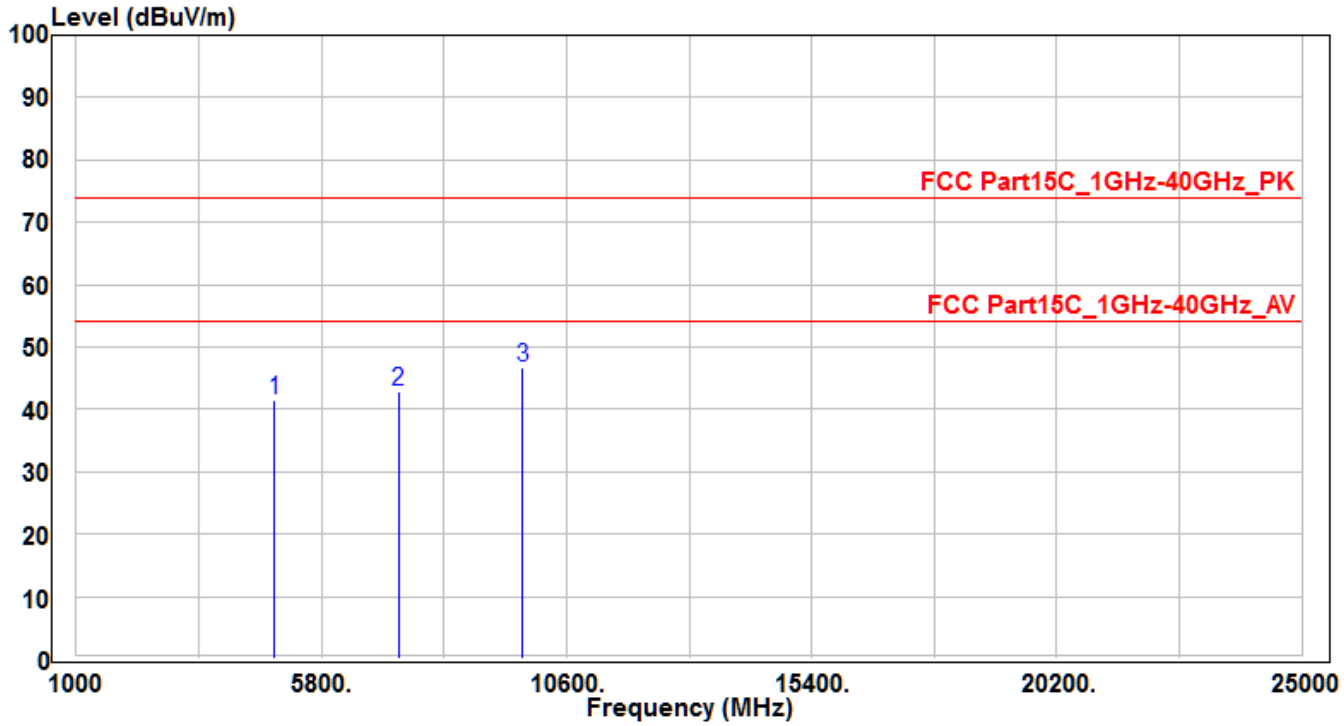


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824	43.16	3.36	46.52	-27.48	74	100	400	Peak
2		7236	32.16	11.97	44.13	-29.87	74	100	400	Peak
3		9648	31.45	14.96	46.41	-27.59	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH06_Ant 0	Test Voltage	AC 120V/60Hz

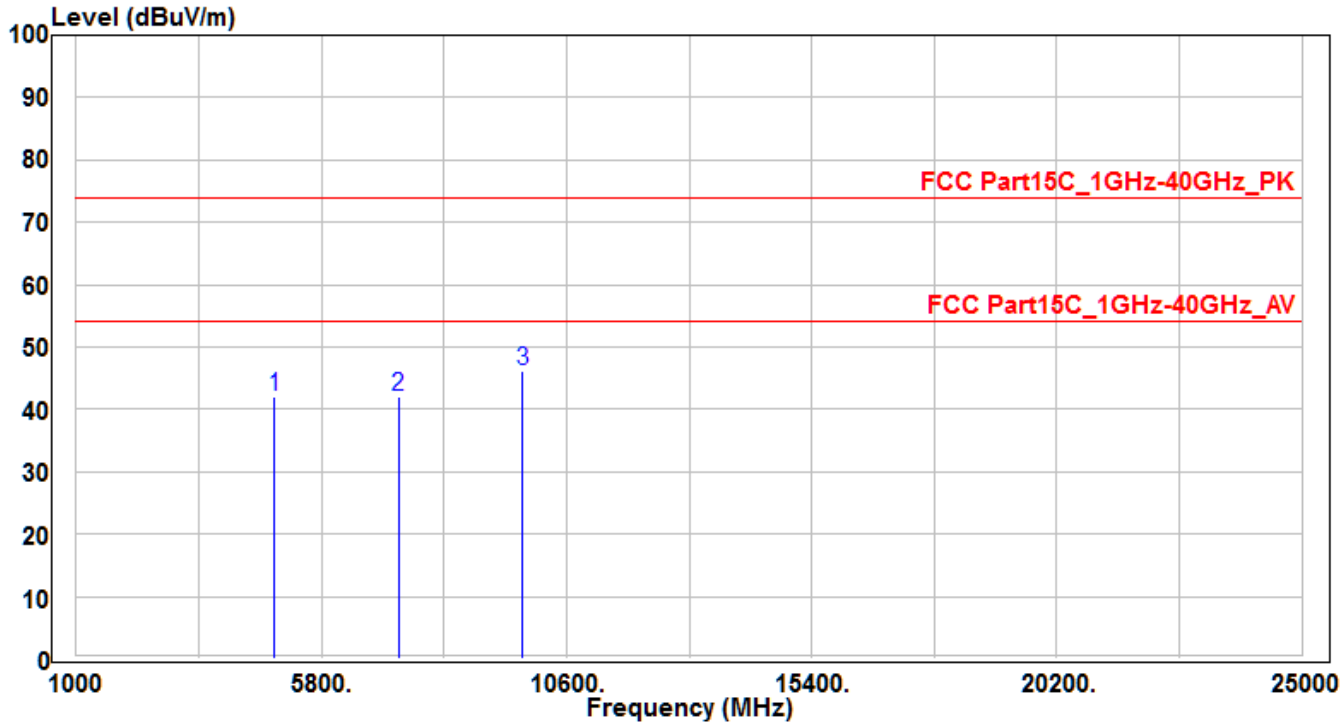


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	38.08	3.47	41.55	-32.45	74	100	400	Peak
2		7311	30.73	12.18	42.91	-31.09	74	100	400	Peak
3	*	9748	31.66	15.19	46.85	-27.15	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH06_Ant 0	Test Voltage	AC 120V/60Hz

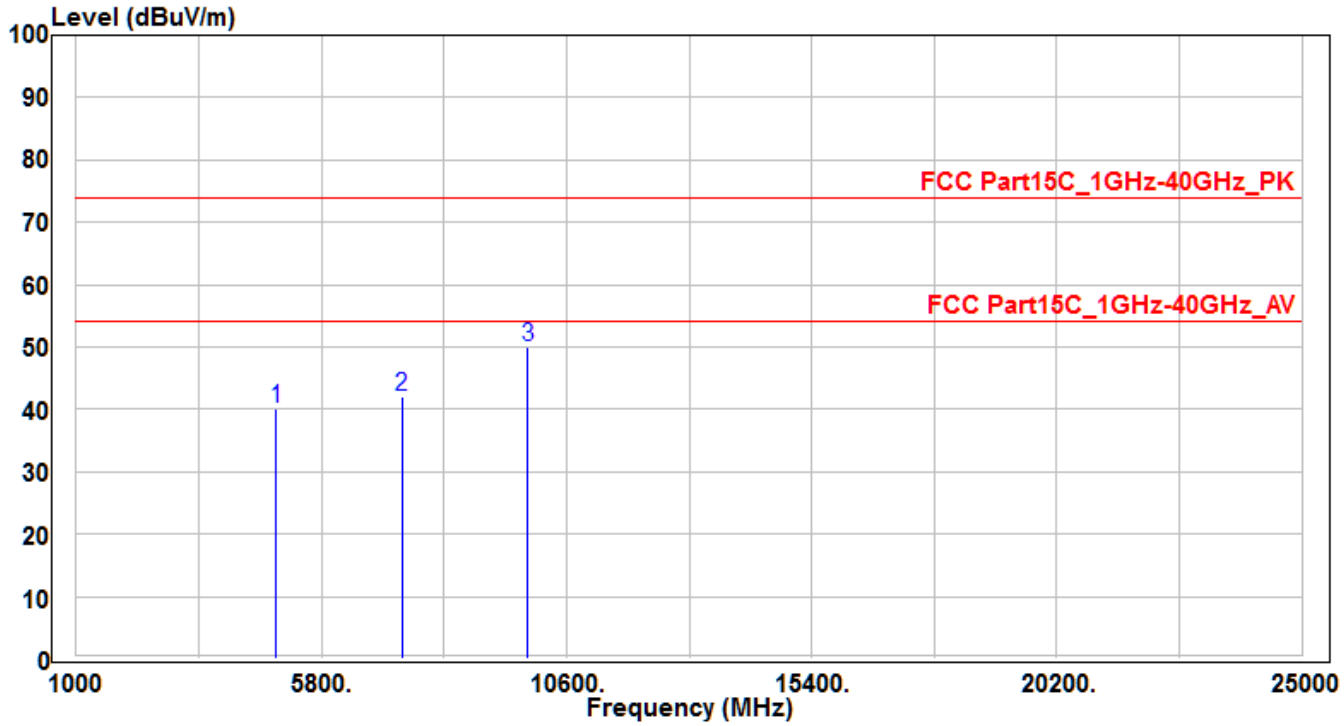


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	38.61	3.47	42.08	-31.92	74	100	400	Peak
2		7311	29.99	12.18	42.17	-31.83	74	100	400	Peak
3	*	9748	30.91	15.19	46.1	-27.9	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH11_Ant 0	Test Voltage	AC 120V/60Hz

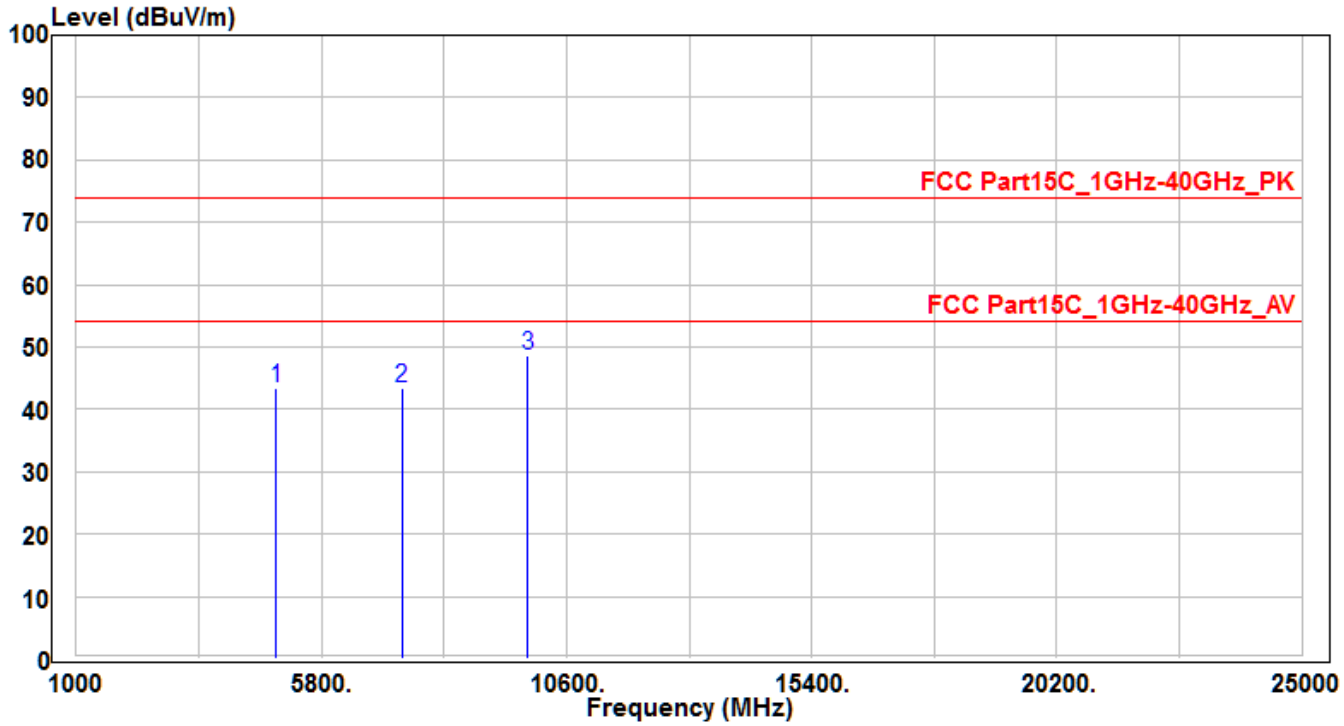


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	36.49	3.58	40.07	-33.93	74	100	400	Peak
2		7386	29.76	12.39	42.15	-31.85	74	100	400	Peak
3	*	9848	34.59	15.42	50.01	-23.99	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH11_Ant 0	Test Voltage	AC 120V/60Hz

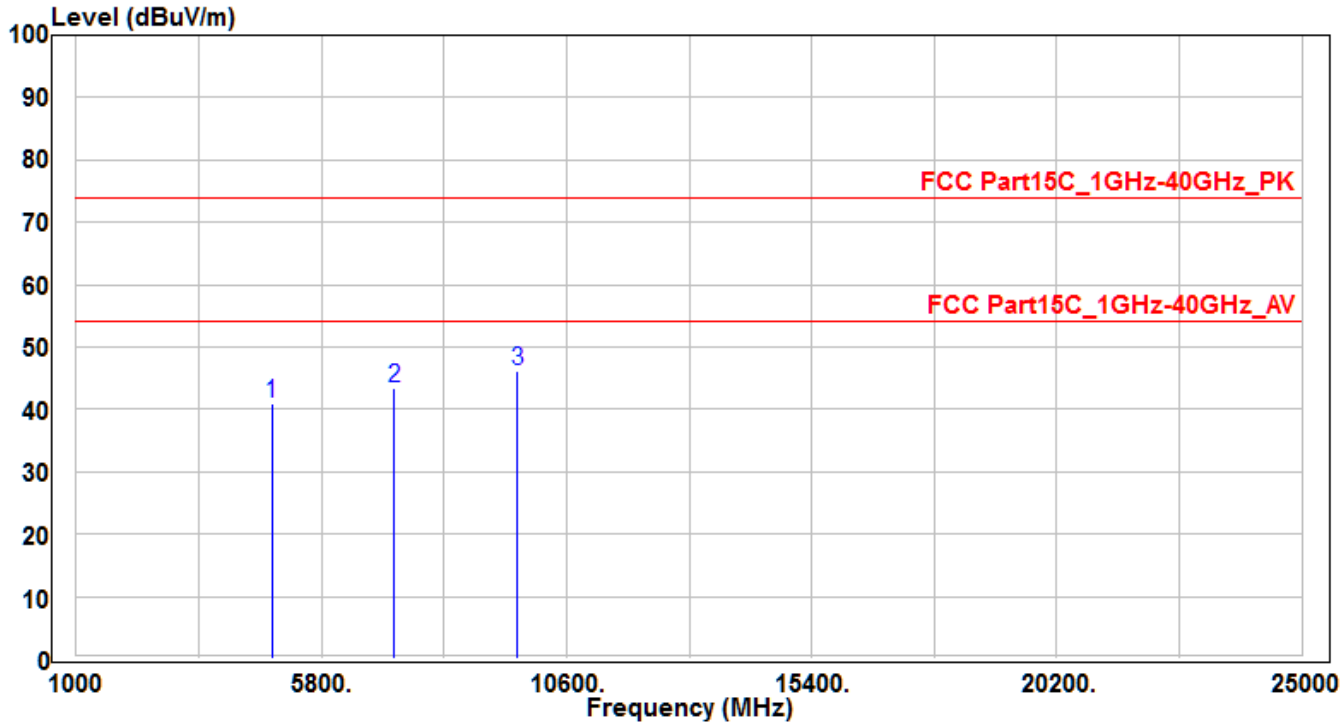


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	39.9	3.58	43.48	-30.52	74	100	400	Peak
2		7386	31.07	12.39	43.46	-30.54	74	100	400	Peak
3	*	9848	33.16	15.42	48.58	-25.42	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH01_Ant 0+1	Test Voltage	AC 120V/60Hz

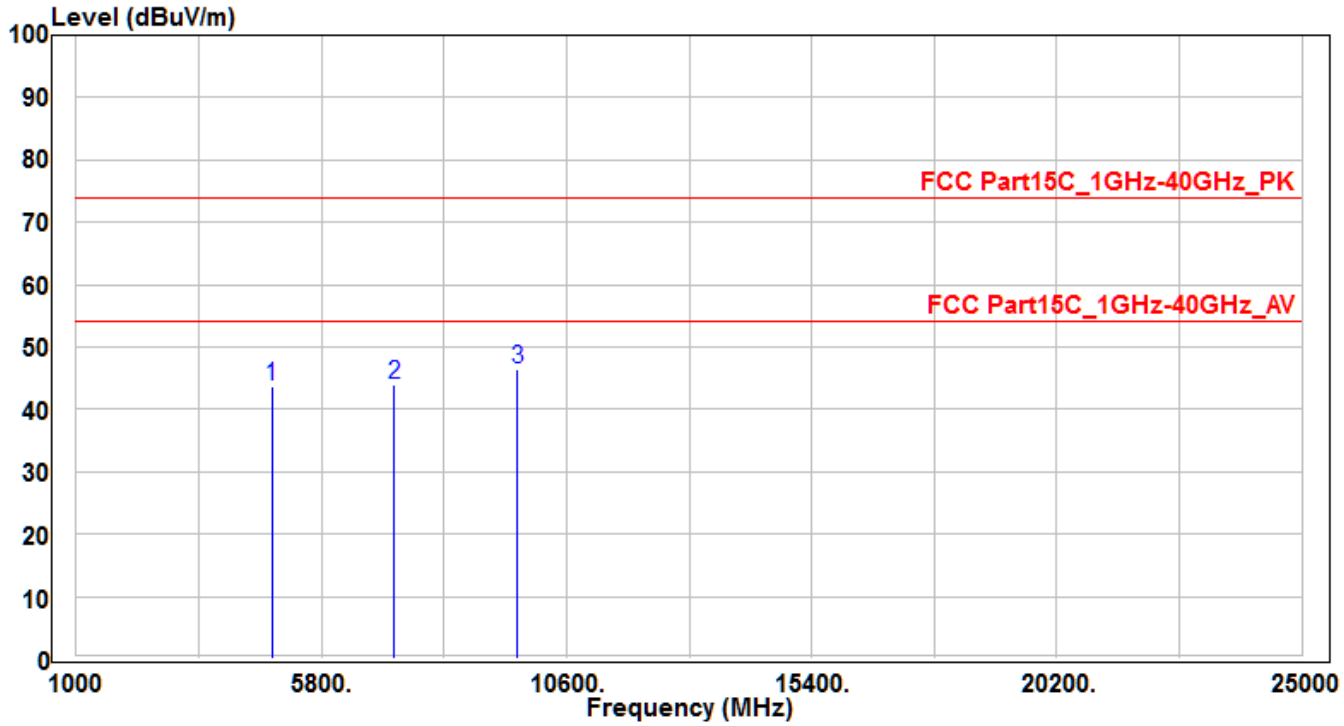


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	37.48	3.36	40.84	-33.16	74	100	400	Peak
2		7236	31.56	11.97	43.53	-30.47	74	100	400	Peak
3	*	9648	31.33	14.96	46.29	-27.71	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH01_Ant 0+1	Test Voltage	AC 120V/60Hz

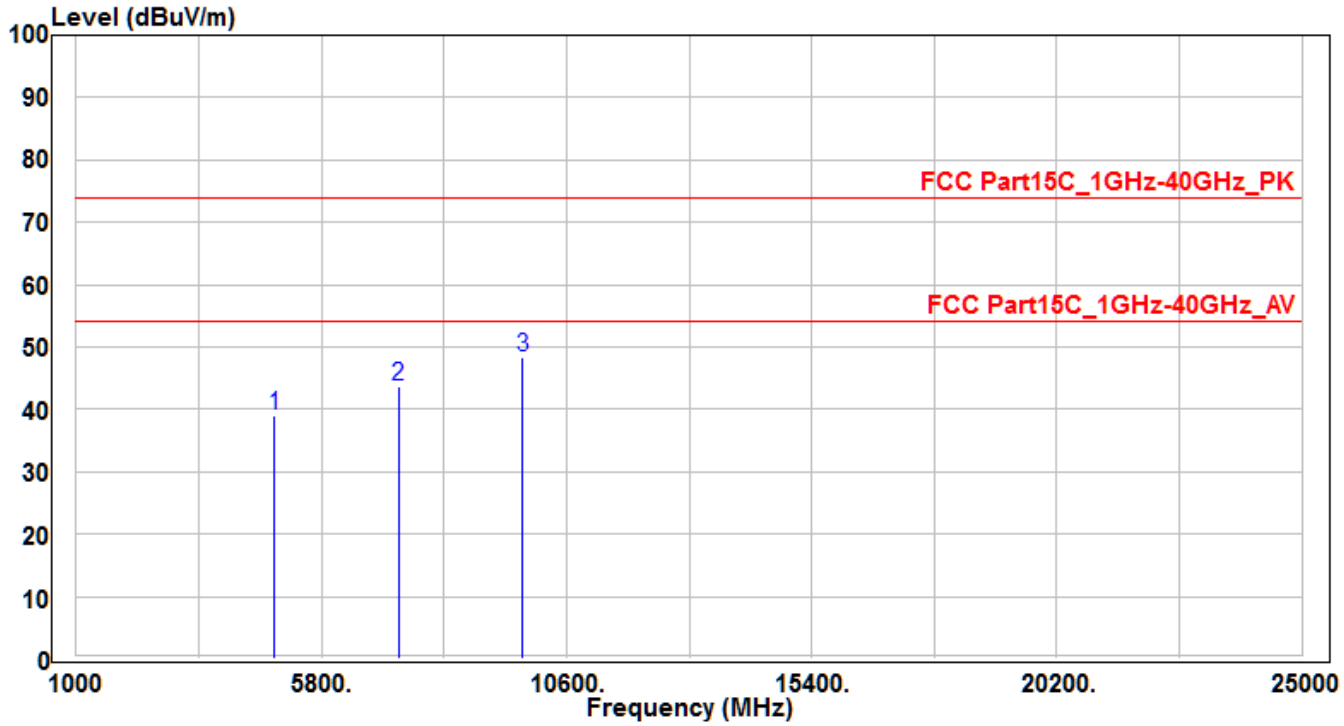


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	40.3	3.36	43.66	-30.34	74	100	400	Peak
2		7236	32.01	11.97	43.98	-30.02	74	100	400	Peak
3	*	9648	31.45	14.96	46.41	-27.59	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH06_Ant 0+1	Test Voltage	AC 120V/60Hz

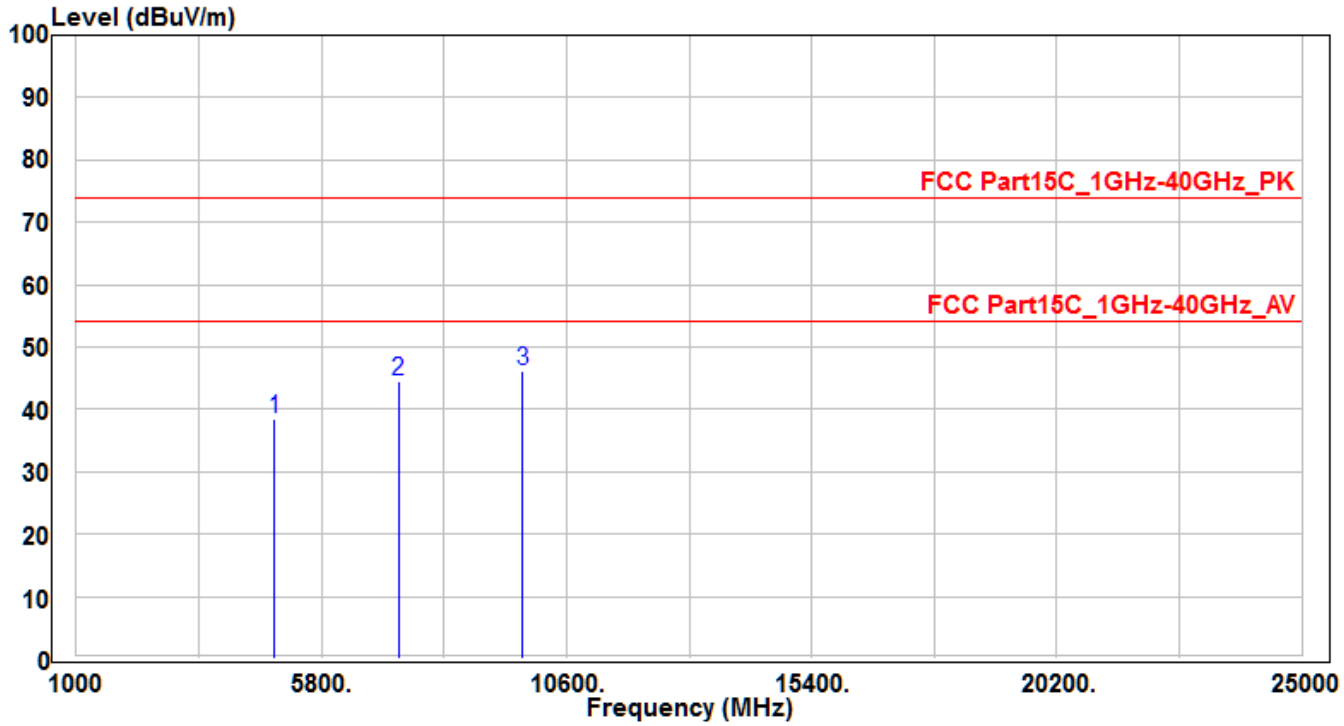


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	35.66	3.47	39.13	-34.87	74	100	400	Peak
2		7311	31.4	12.18	43.58	-30.42	74	100	400	Peak
3	*	9748	33.14	15.19	48.33	-25.67	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH06_Ant 0+1	Test Voltage	AC 120V/60Hz

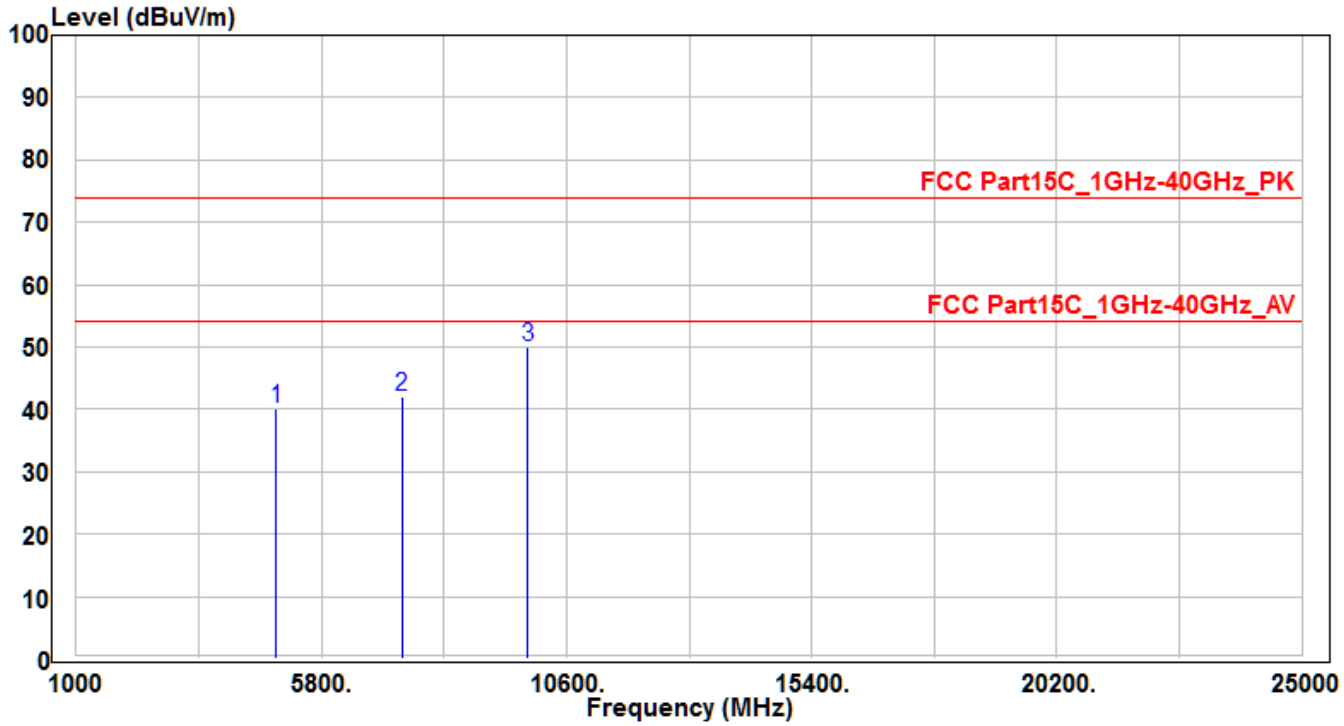


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	34.98	3.47	38.45	-35.55	74	100	400	Peak
2		7311	32.36	12.18	44.54	-29.46	74	100	400	Peak
3	*	9748	31.02	15.19	46.21	-27.79	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH11_Ant 0+1	Test Voltage	AC 120V/60Hz

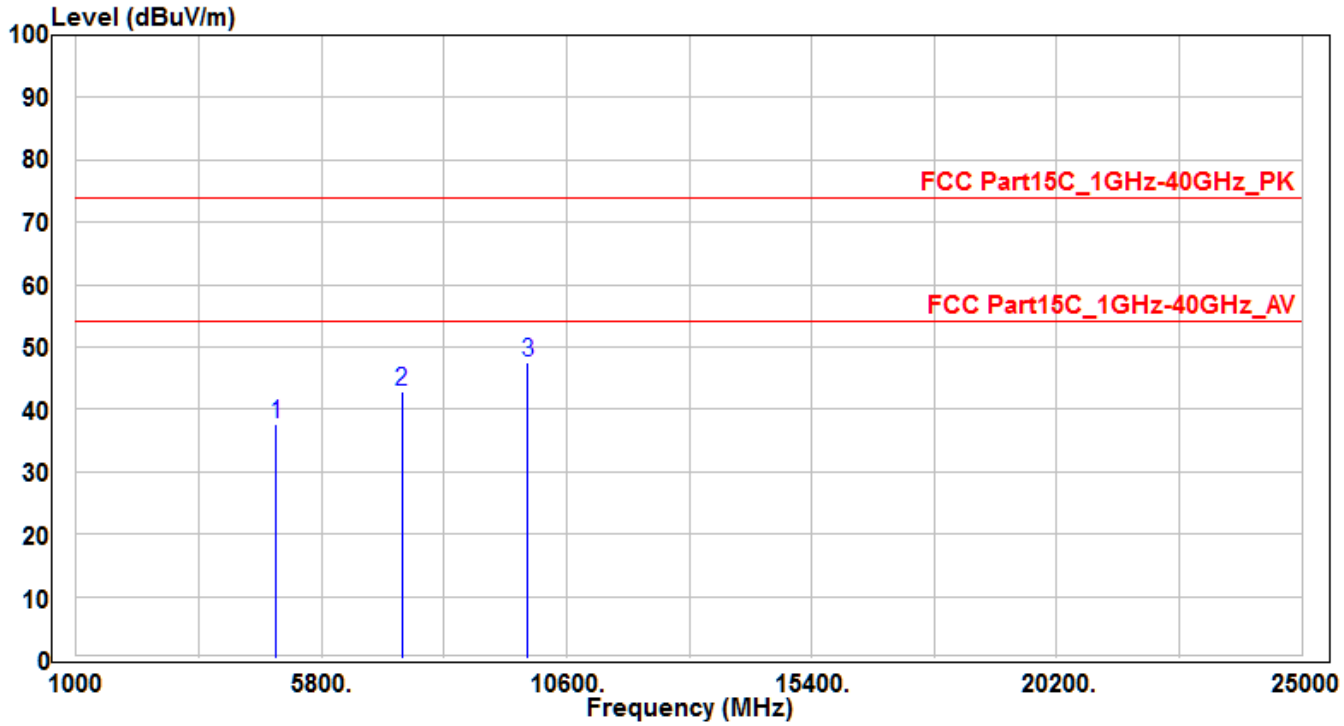


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	36.46	3.58	40.04	-33.96	74	100	400	Peak
2		7386	29.52	12.39	41.91	-32.09	74	100	400	Peak
3	*	9848	34.58	15.42	50	-24	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH11_Ant 0+1	Test Voltage	AC 120V/60Hz

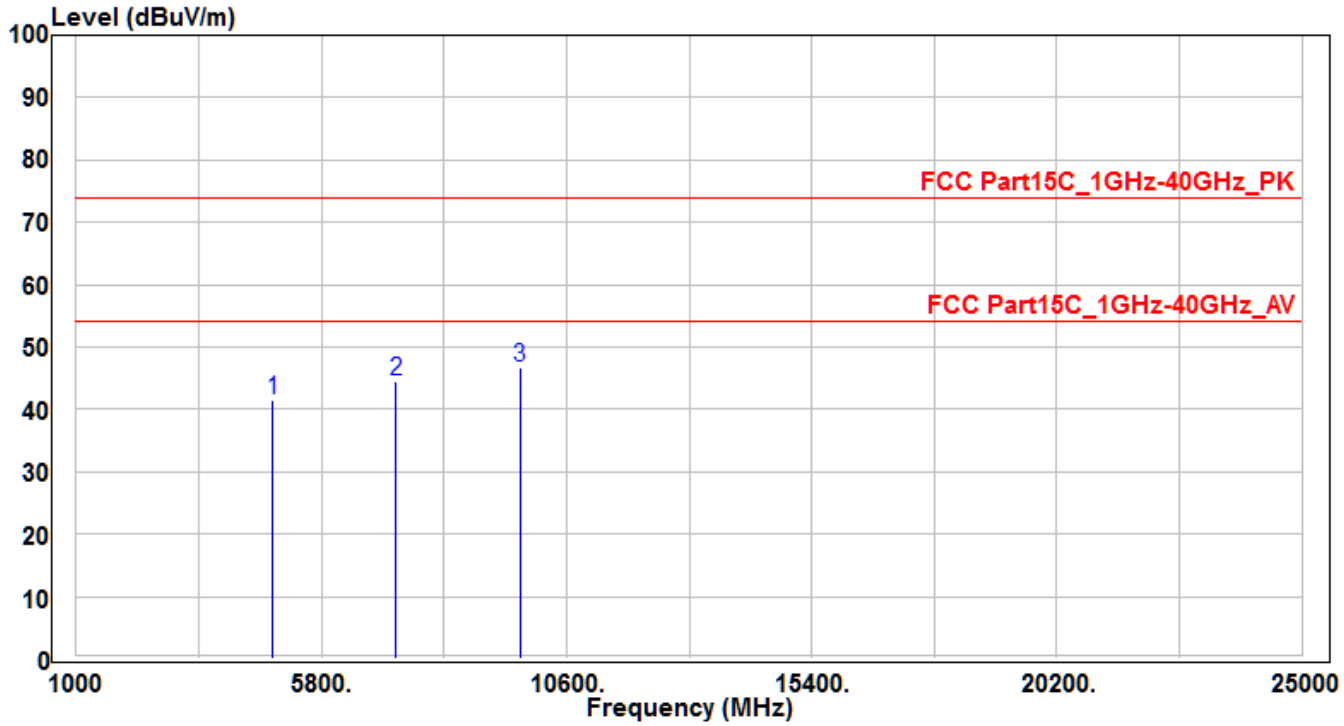


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	34.01	3.58	37.59	-36.41	74	100	400	Peak
2		7386	30.34	12.39	42.73	-31.27	74	100	400	Peak
3	*	9848	31.98	15.42	47.4	-26.6	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH03_Ant 0+1	Test Voltage	AC 120V/60Hz

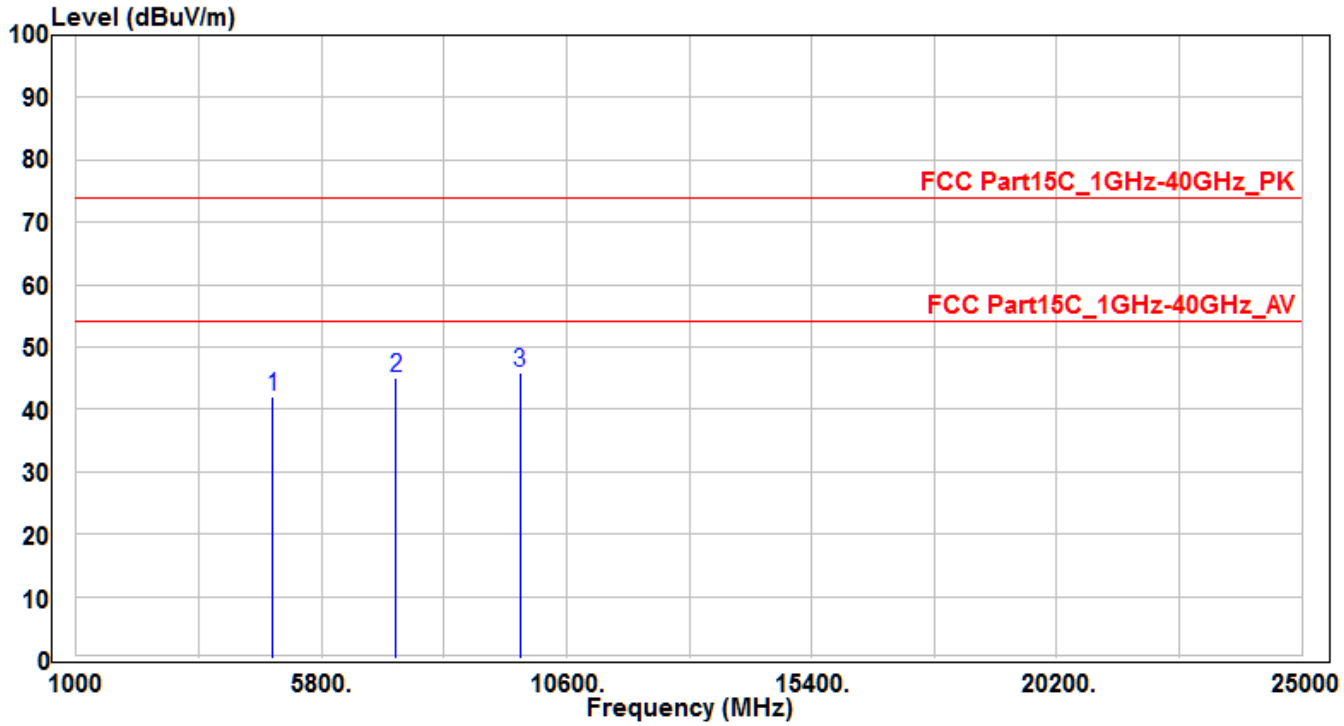


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4844	38.03	3.41	41.44	-32.56	74	100	400	Peak
2		7266	32.38	12.06	44.44	-29.56	74	100	400	Peak
3	*	9688	31.57	15.05	46.62	-27.38	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH03_Ant 0+1	Test Voltage	AC 120V/60Hz

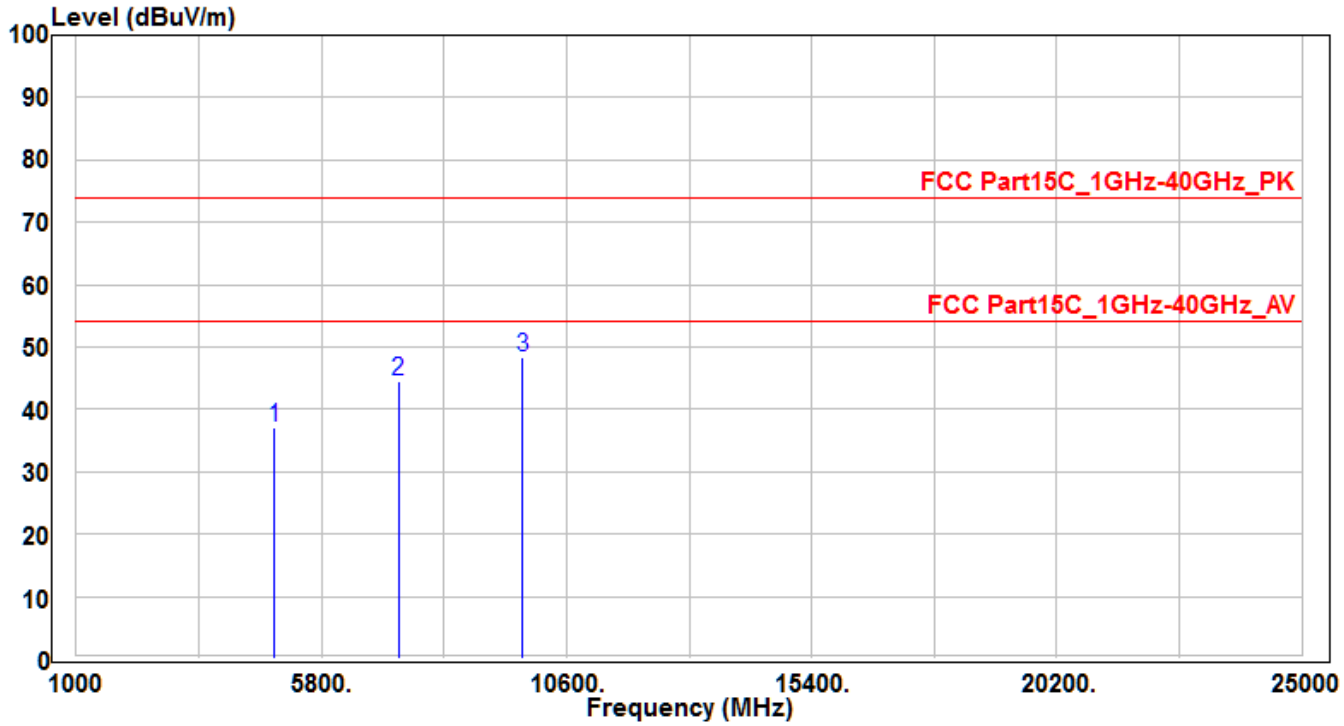


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4844	38.65	3.41	42.06	-31.94	74	100	400	Peak
2		7266	32.96	12.06	45.02	-28.98	74	100	400	Peak
3	*	9688	30.9	15.05	45.95	-28.05	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH06_Ant 0+1	Test Voltage	AC 120V/60Hz

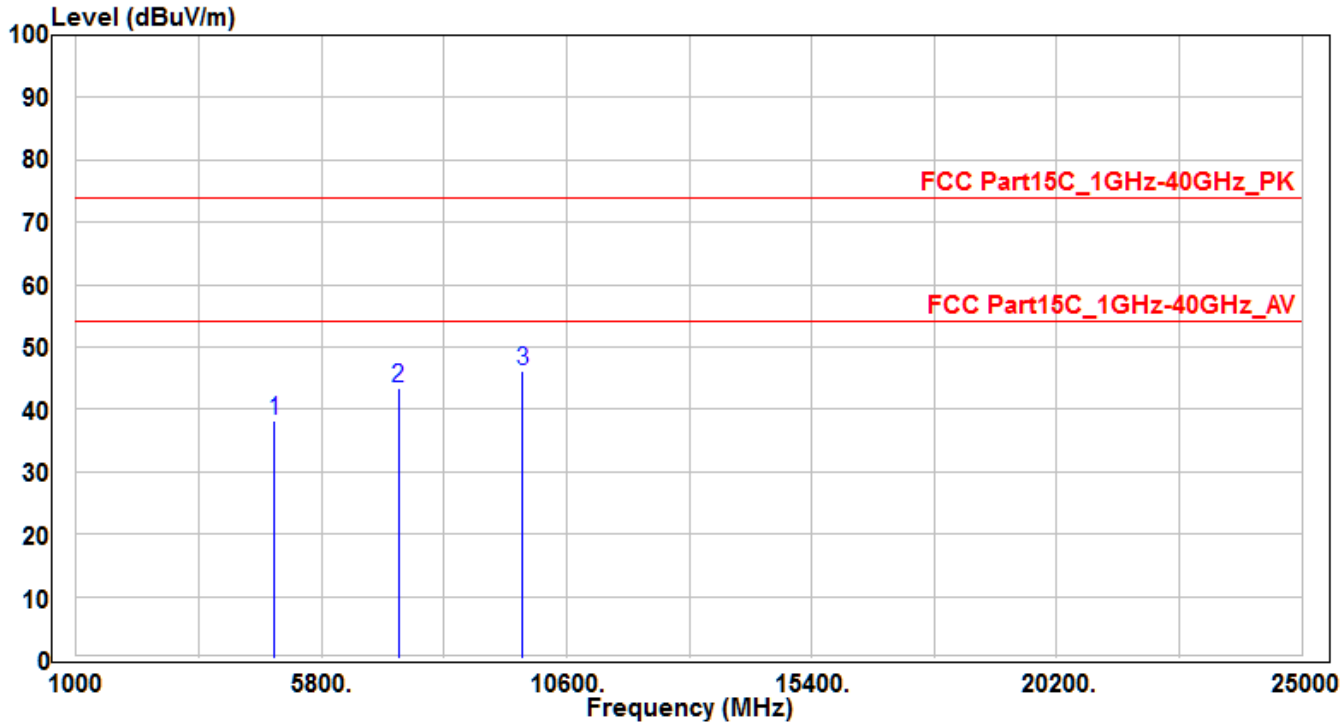


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	33.7	3.47	37.17	-36.83	74	100	400	Peak
2		7311	32.44	12.18	44.62	-29.38	74	100	400	Peak
3	*	9748	33.26	15.19	48.45	-25.55	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH06_Ant 0+1	Test Voltage	AC 120V/60Hz

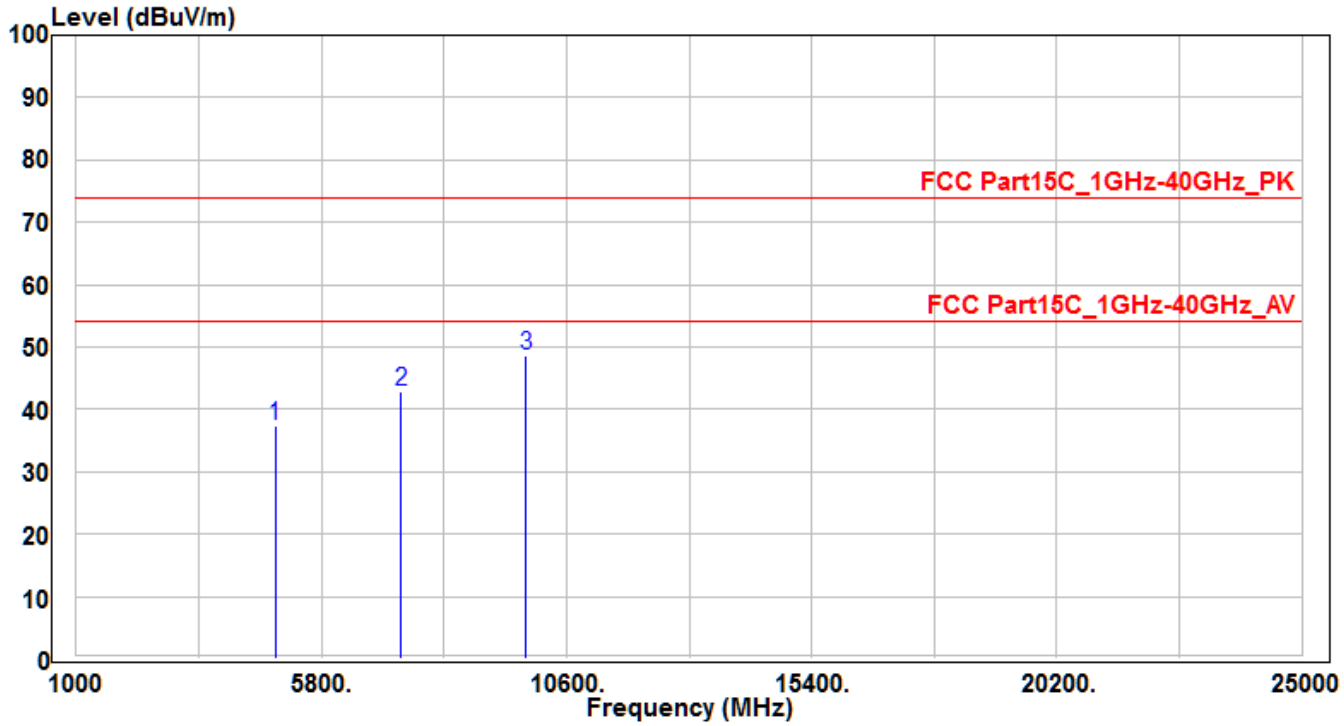


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	34.74	3.47	38.21	-35.79	74	100	400	Peak
2		7311	31.25	12.18	43.43	-30.57	74	100	400	Peak
3	*	9748	30.86	15.19	46.05	-27.95	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH09_Ant 0+1	Test Voltage	AC 120V/60Hz

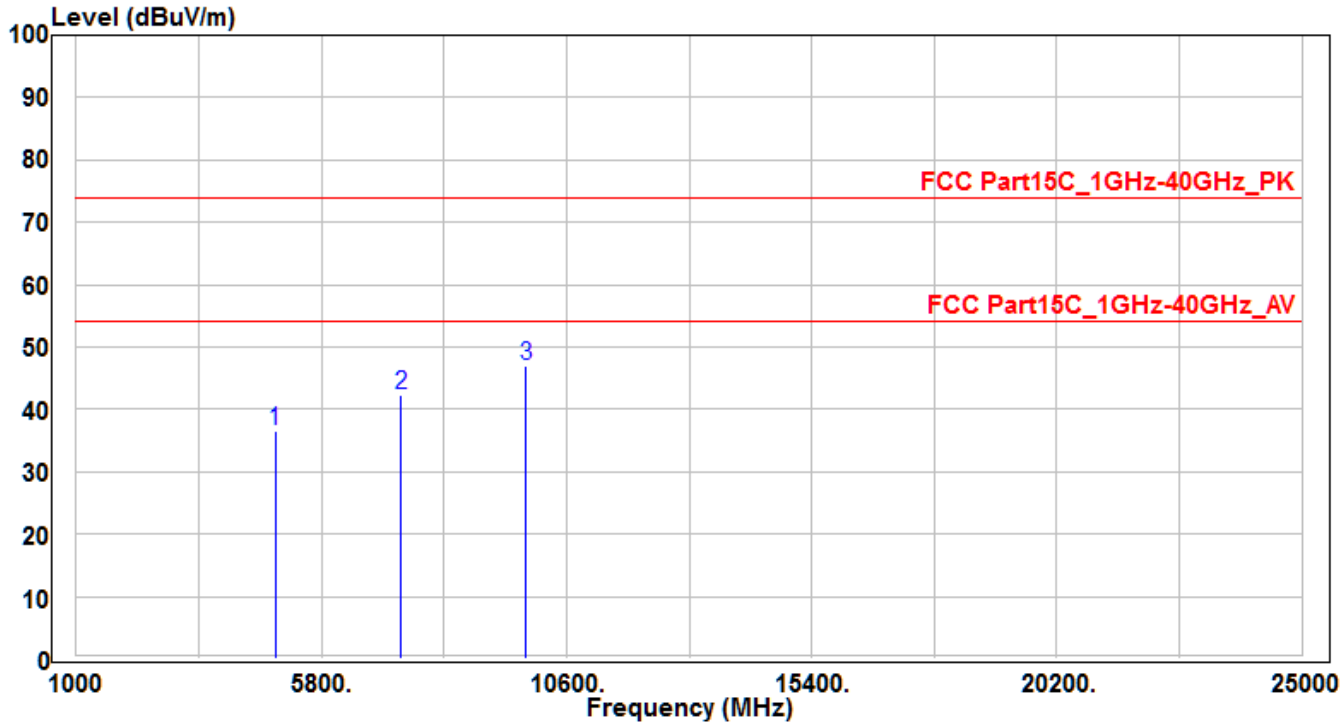


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4904	33.77	3.54	37.31	-36.69	74	100	400	Peak
2		7356	30.63	12.31	42.94	-31.06	74	100	400	Peak
3	*	9808	33.18	15.32	48.5	-25.5	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (Internal Antenna)	Test Date	2018/6/13
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH09_Ant 0+1	Test Voltage	AC 120V/60Hz

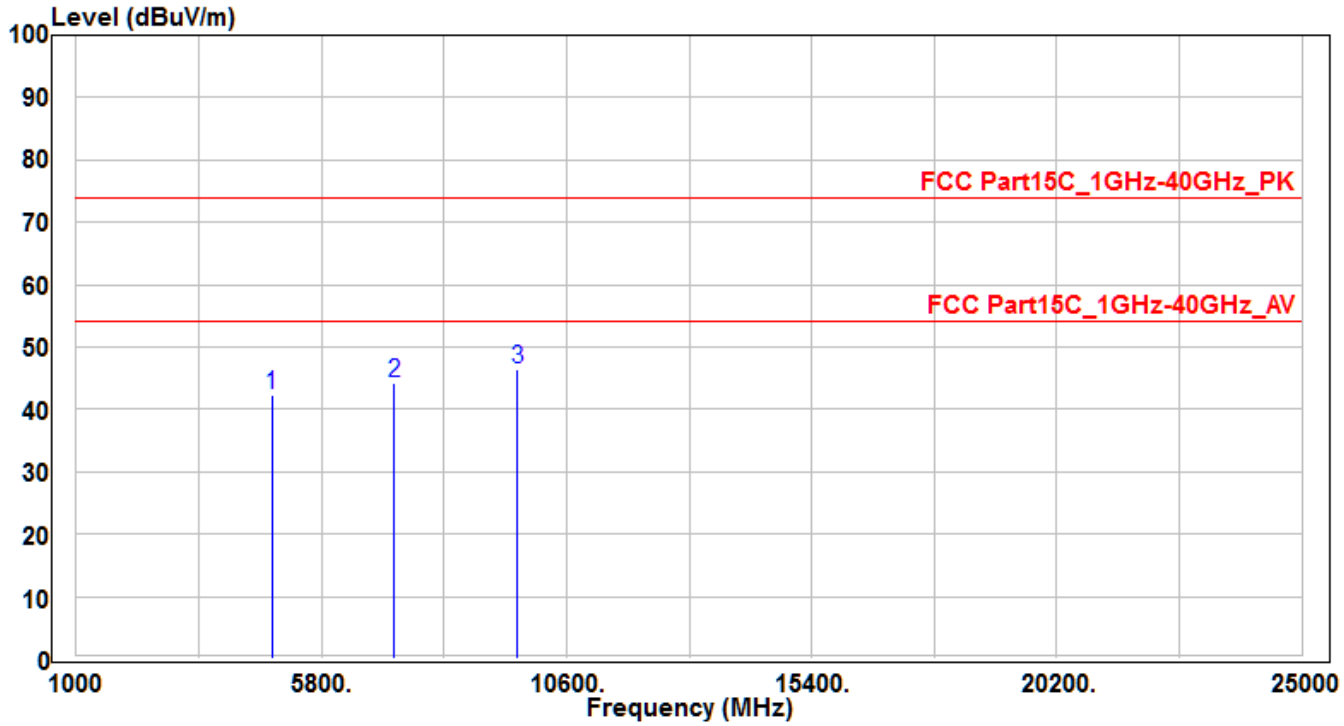


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4904	33.05	3.54	36.59	-37.41	74	100	400	Peak
2		7356	30.05	12.31	42.36	-31.64	74	100	400	Peak
3	*	9808	31.66	15.32	46.98	-27.02	74	100	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE5 -CH01_Ant 0	Test Voltage	AC 120V/60Hz

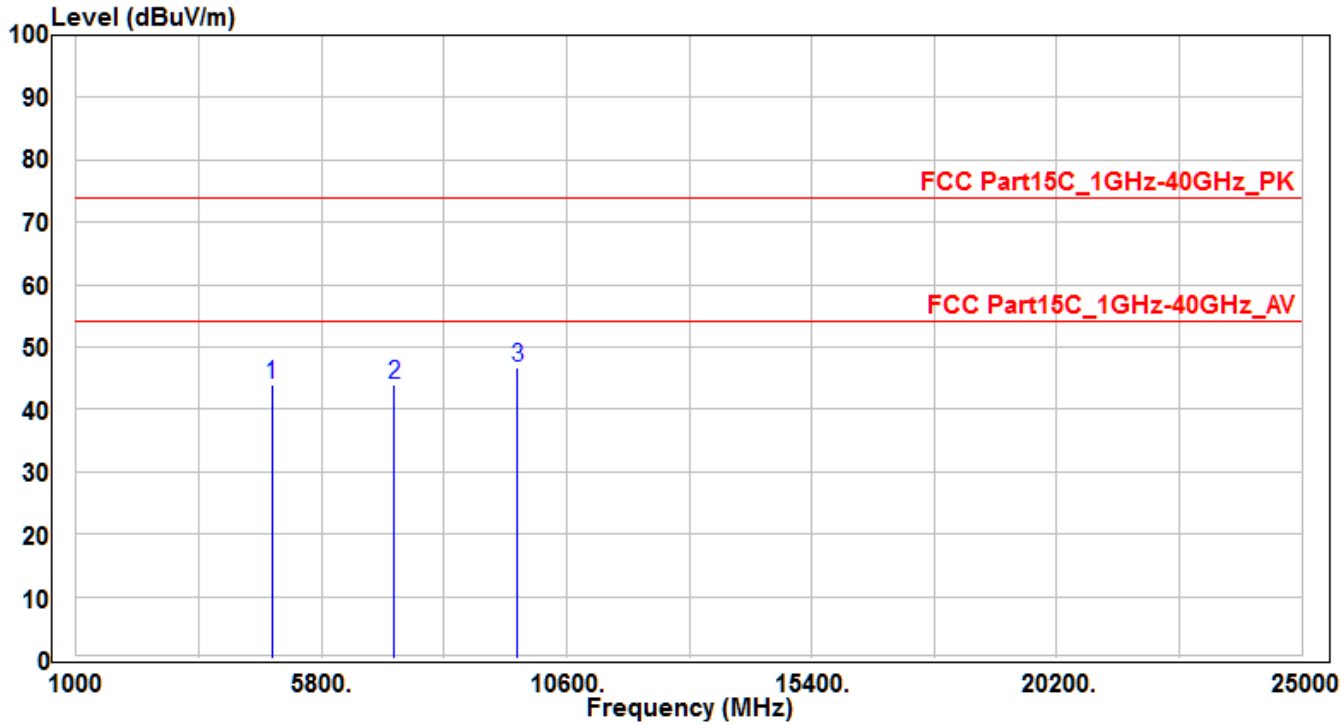


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	39.08	3.36	42.44	-31.56	74	150	400	Peak
2		7236	32.34	11.97	44.31	-29.69	74	150	400	Peak
3	*	9648	31.37	14.96	46.33	-27.67	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE5 -CH01_Ant 0	Test Voltage	AC 120V/60Hz

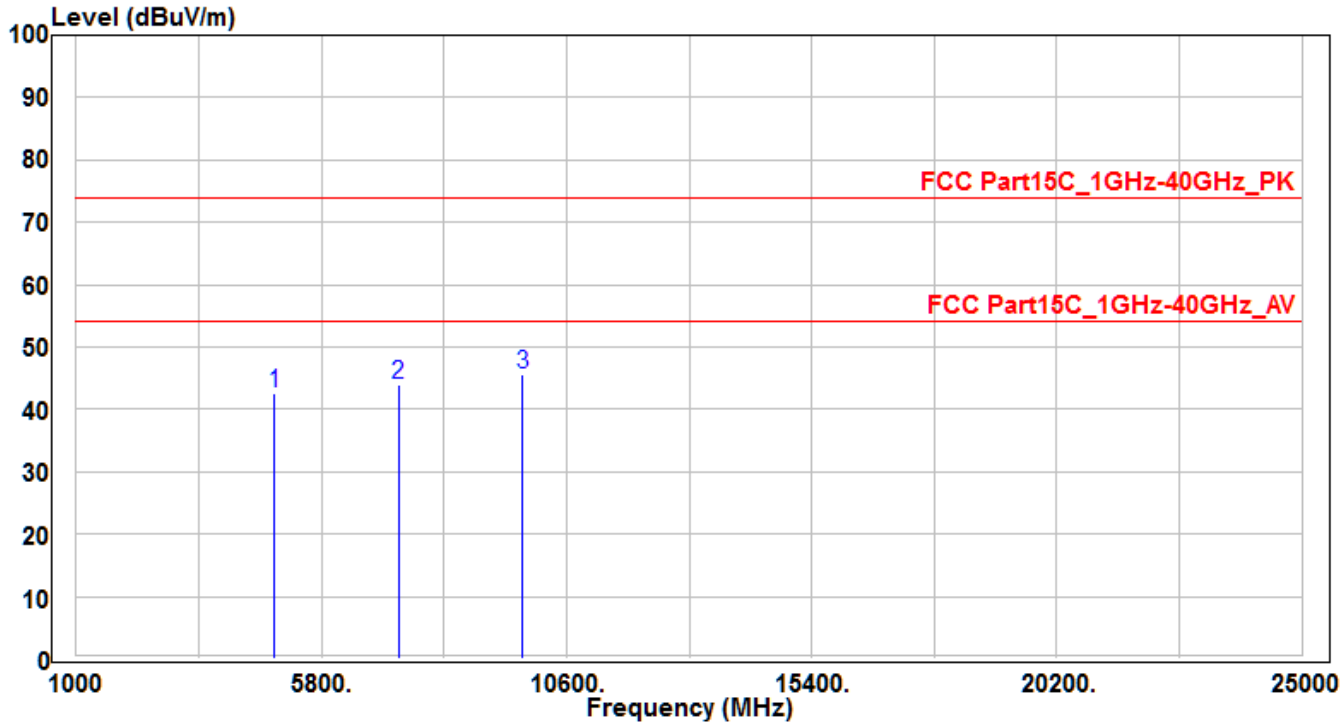


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	40.52	3.36	43.88	-30.12	74	150	400	Peak
2		7236	31.93	11.97	43.9	-30.1	74	150	400	Peak
3	*	9648	31.76	14.96	46.72	-27.28	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE5 -CH06_Ant 0	Test Voltage	AC 120V/60Hz

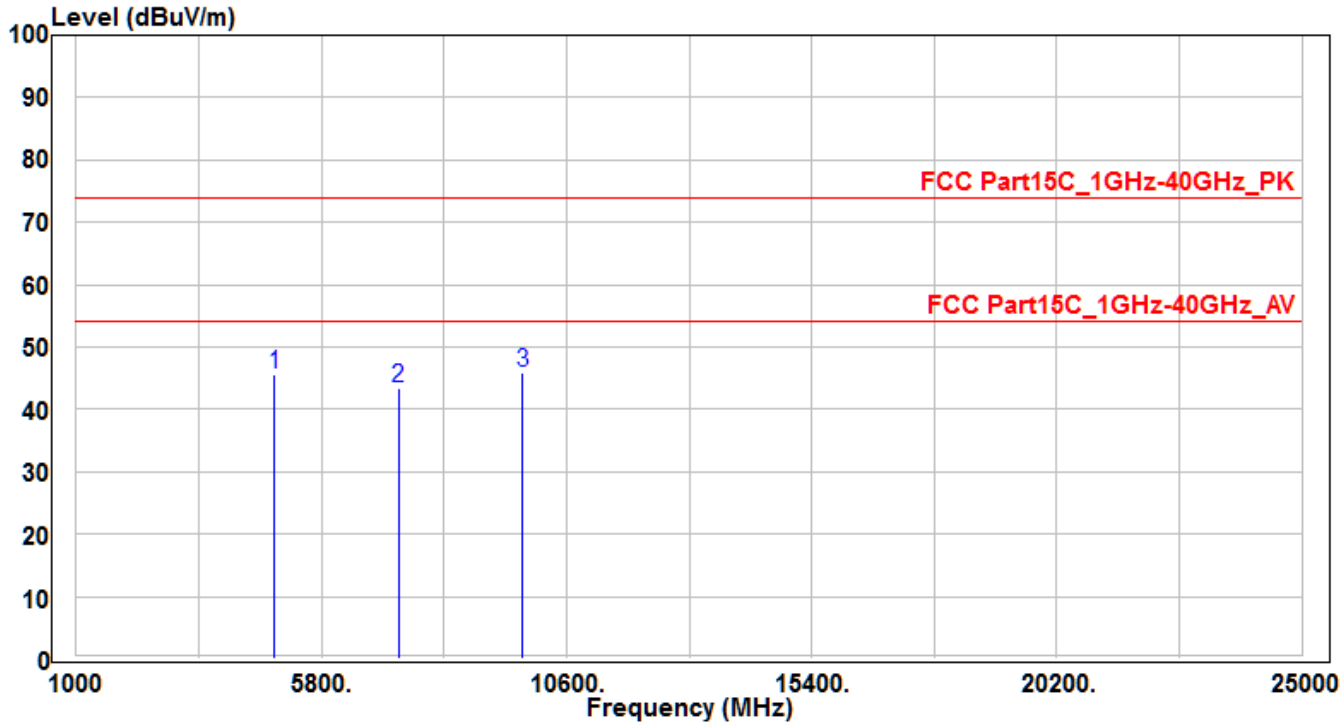


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	39.15	3.47	42.62	-31.38	74	150	400	Peak
2		7311	31.76	12.18	43.94	-30.06	74	150	400	Peak
3	*	9748	30.5	15.19	45.69	-28.31	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE5 -CH06_Ant 0	Test Voltage	AC 120V/60Hz

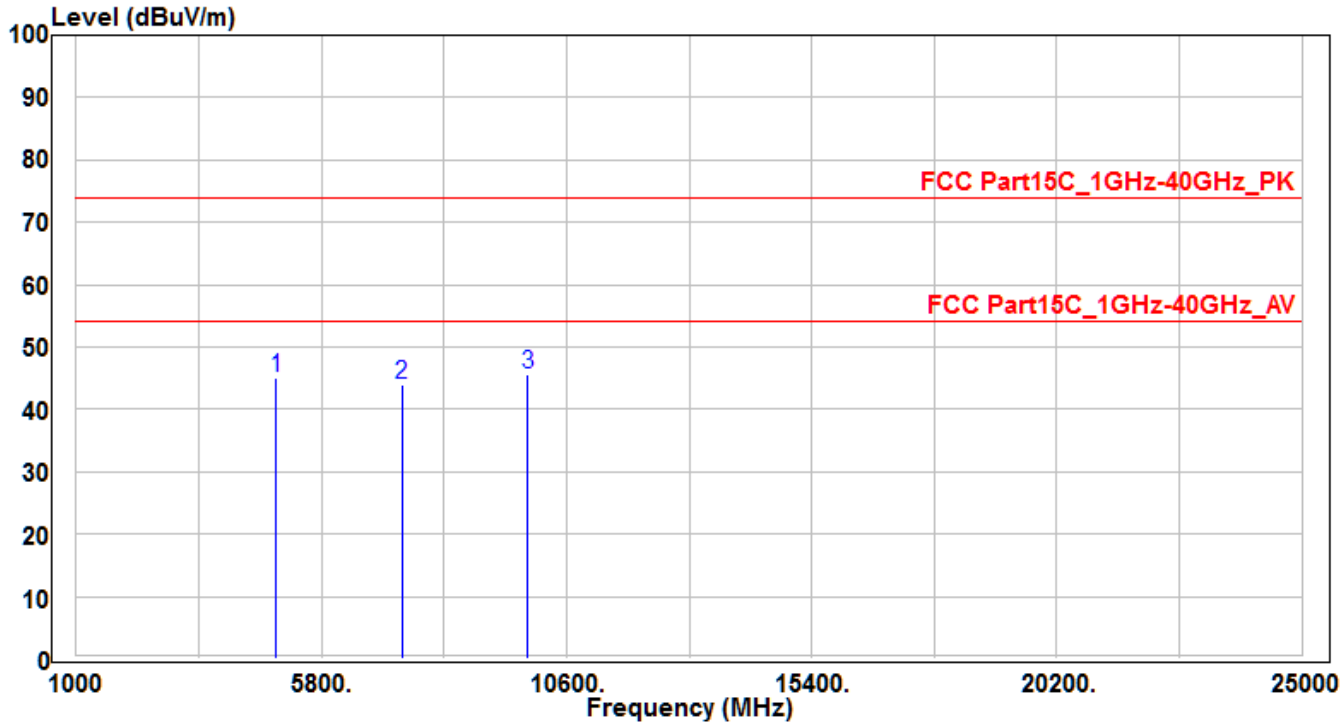


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	42.07	3.47	45.54	-28.46	74	150	400	Peak
2		7311	31.21	12.18	43.39	-30.61	74	150	400	Peak
3	*	9748	30.71	15.19	45.9	-28.1	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE5 -CH11_Ant 0	Test Voltage	AC 120V/60Hz

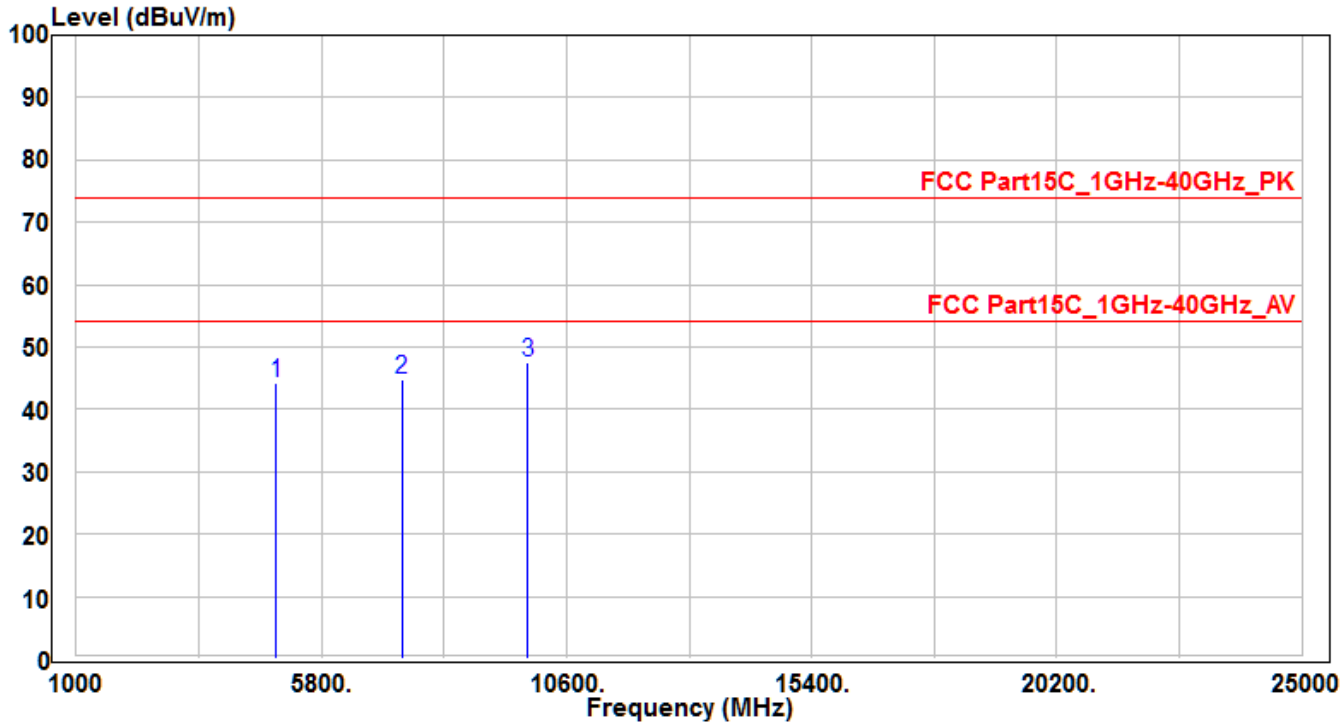


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	41.37	3.58	44.95	-29.05	74	150	400	Peak
2		7386	31.47	12.39	43.86	-30.14	74	150	400	Peak
3	*	9848	30.28	15.42	45.7	-28.3	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE5 -CH11_Ant 0	Test Voltage	AC 120V/60Hz

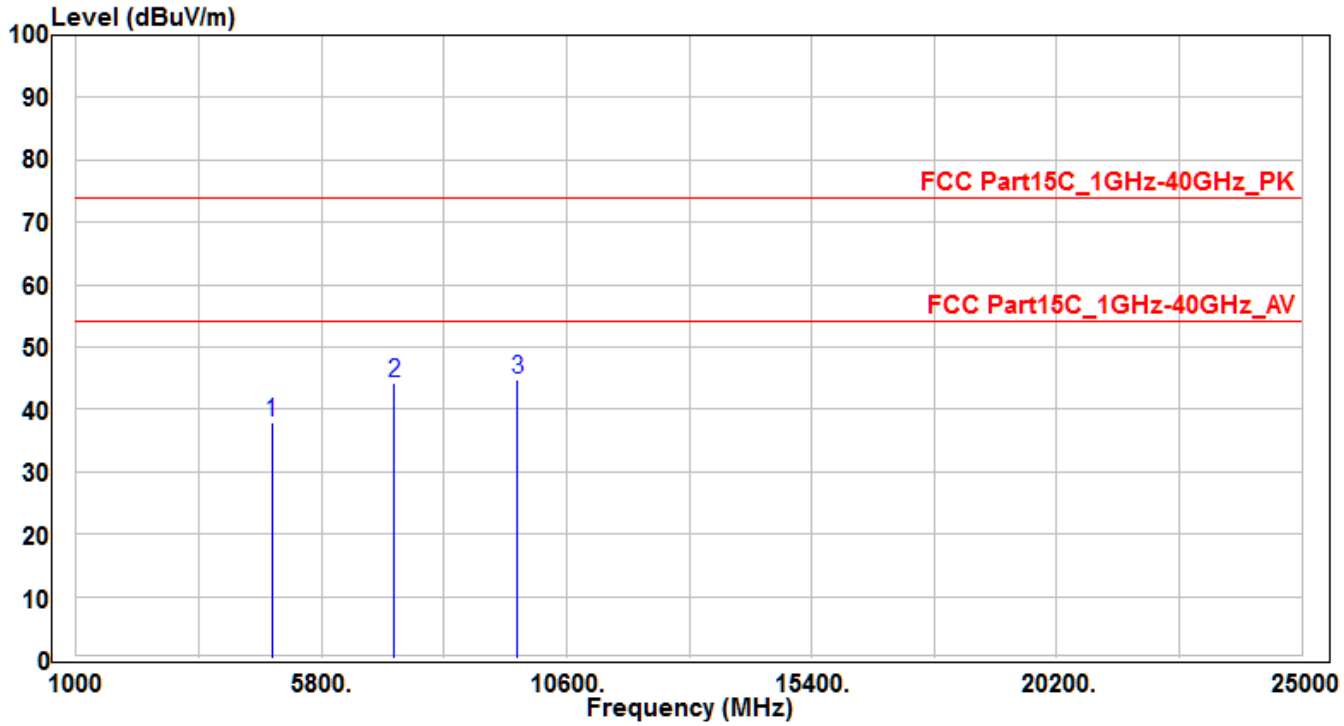


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	40.69	3.58	44.27	-29.73	74	150	400	Peak
2		7386	32.32	12.39	44.71	-29.29	74	150	400	Peak
3	*	9848	32.12	15.42	47.54	-26.46	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE6-CH01_Ant 0	Test Voltage	AC 120V/60Hz

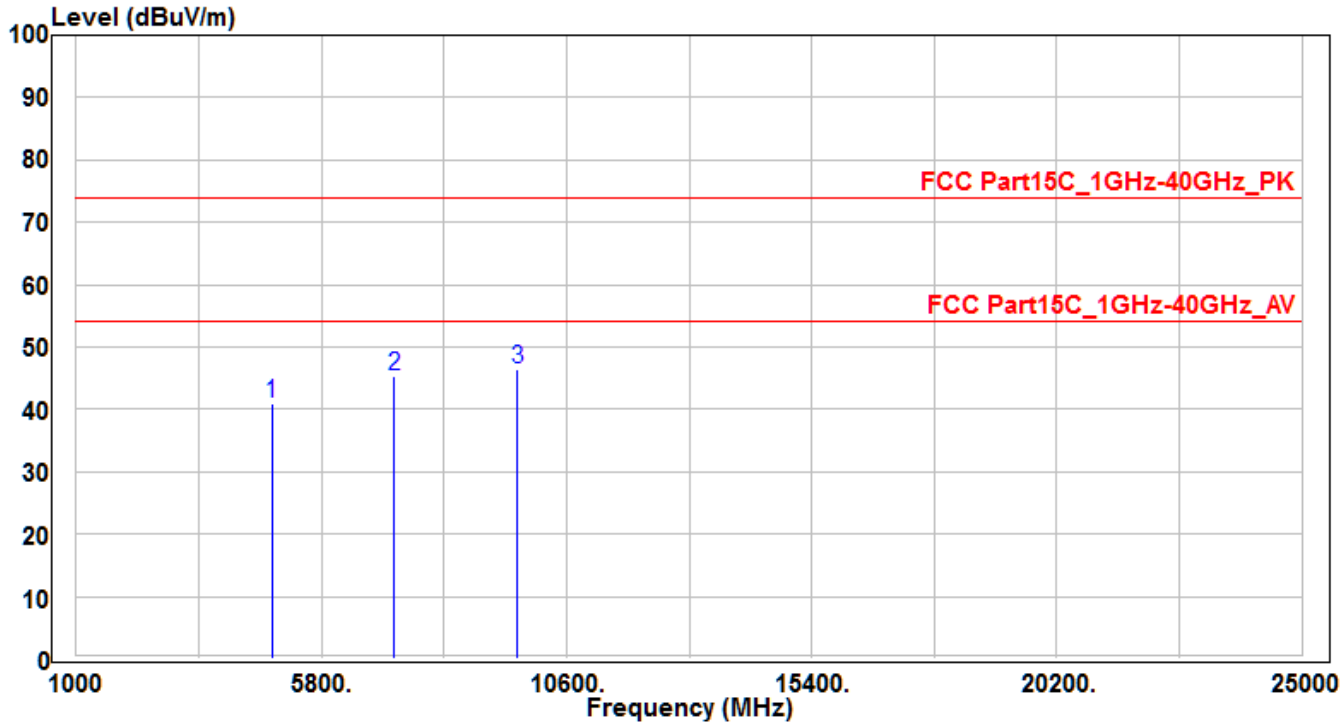


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	34.53	3.36	37.89	-36.11	74	150	400	Peak
2		7236	32.24	11.97	44.21	-29.79	74	150	400	Peak
3	*	9648	29.97	14.96	44.93	-29.07	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE6-CH01_Ant 0	Test Voltage	AC 120V/60Hz

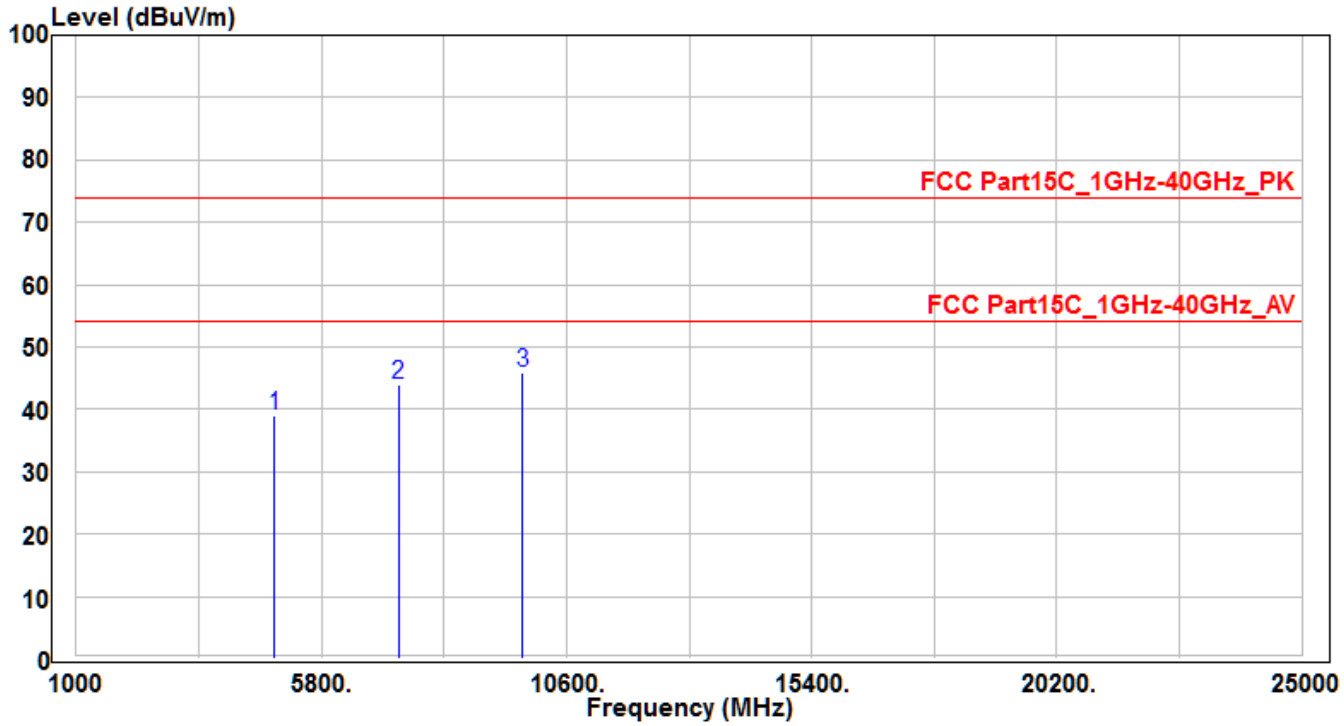


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	37.46	3.36	40.82	-33.18	74	150	400	Peak
2		7236	33.48	11.97	45.45	-28.55	74	150	400	Peak
3	*	9648	31.44	14.96	46.4	-27.6	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE6-CH06_Ant 0	Test Voltage	AC 120V/60Hz

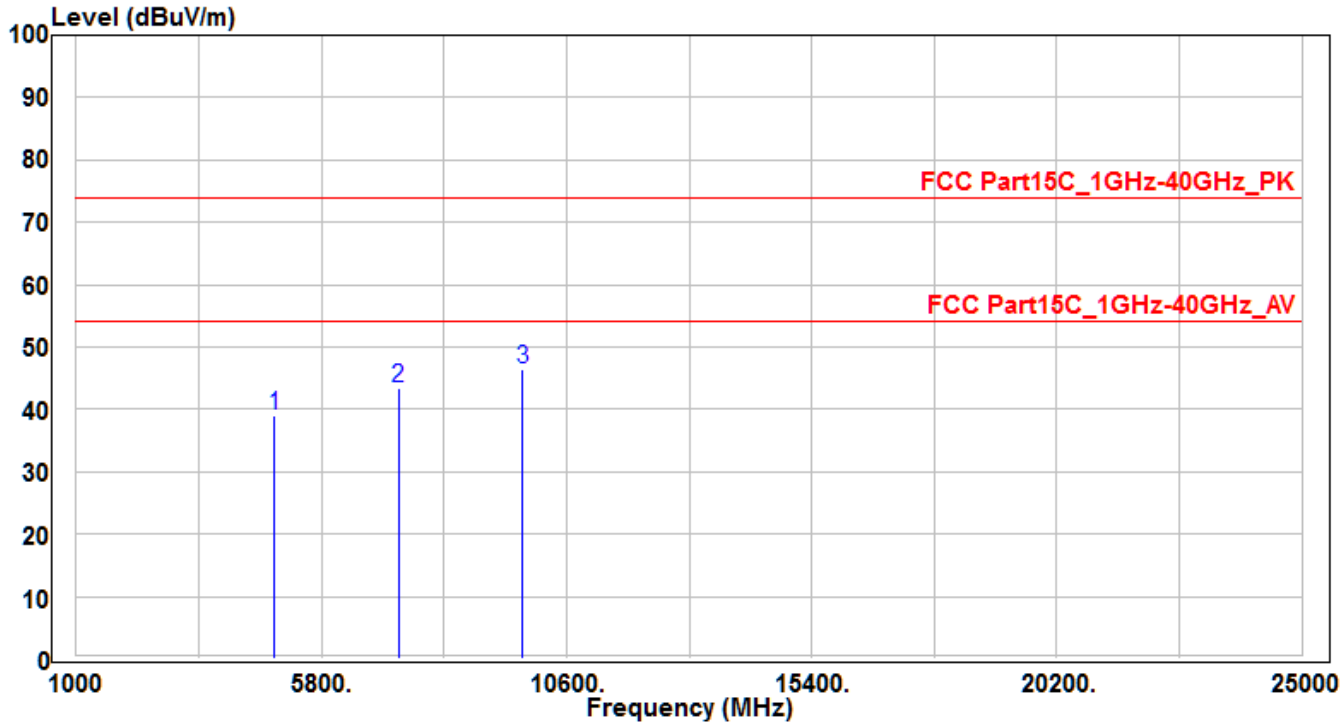


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	35.67	3.47	39.14	-34.86	74	150	400	Peak
2		7311	31.73	12.18	43.91	-30.09	74	150	400	Peak
3	*	9748	30.66	15.19	45.85	-28.15	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE6-CH06_Ant 0	Test Voltage	AC 120V/60Hz

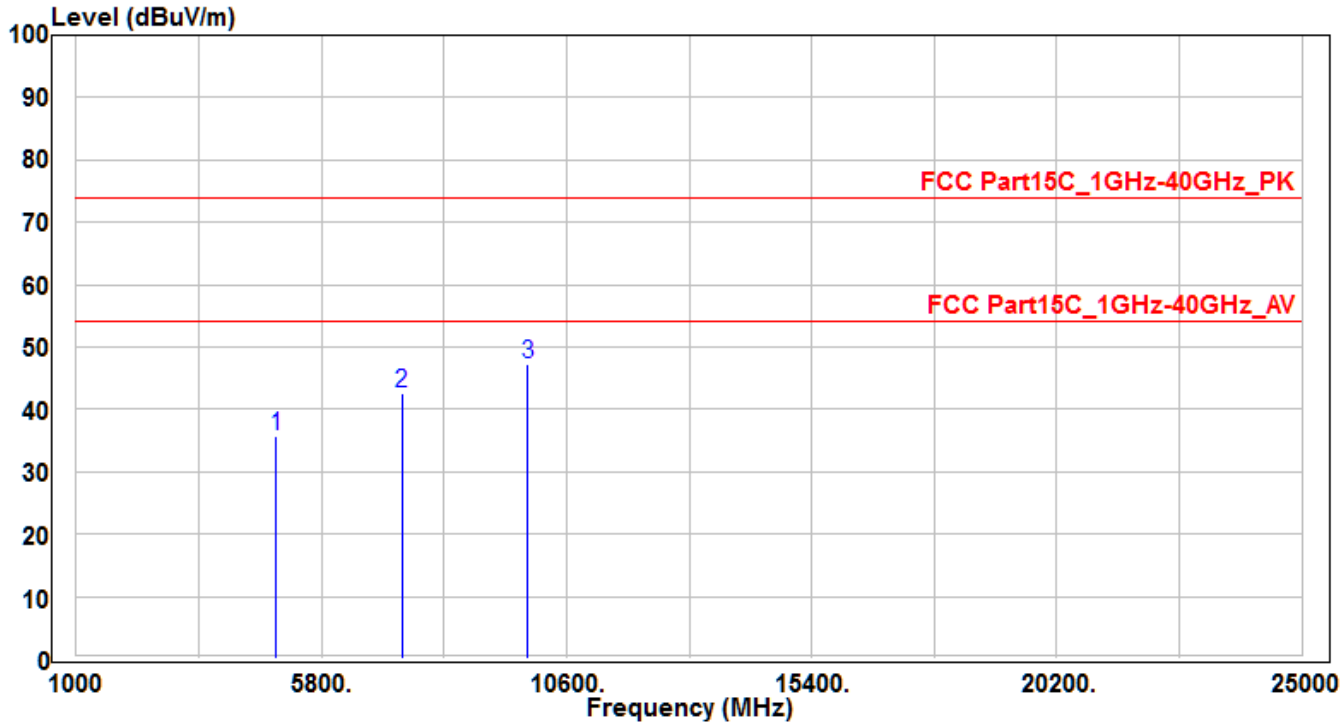


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	35.45	3.47	38.92	-35.08	74	150	400	Peak
2		7311	31.34	12.18	43.52	-30.48	74	150	400	Peak
3	*	9748	31.32	15.19	46.51	-27.49	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE6-CH11_Ant 0	Test Voltage	AC 120V/60Hz

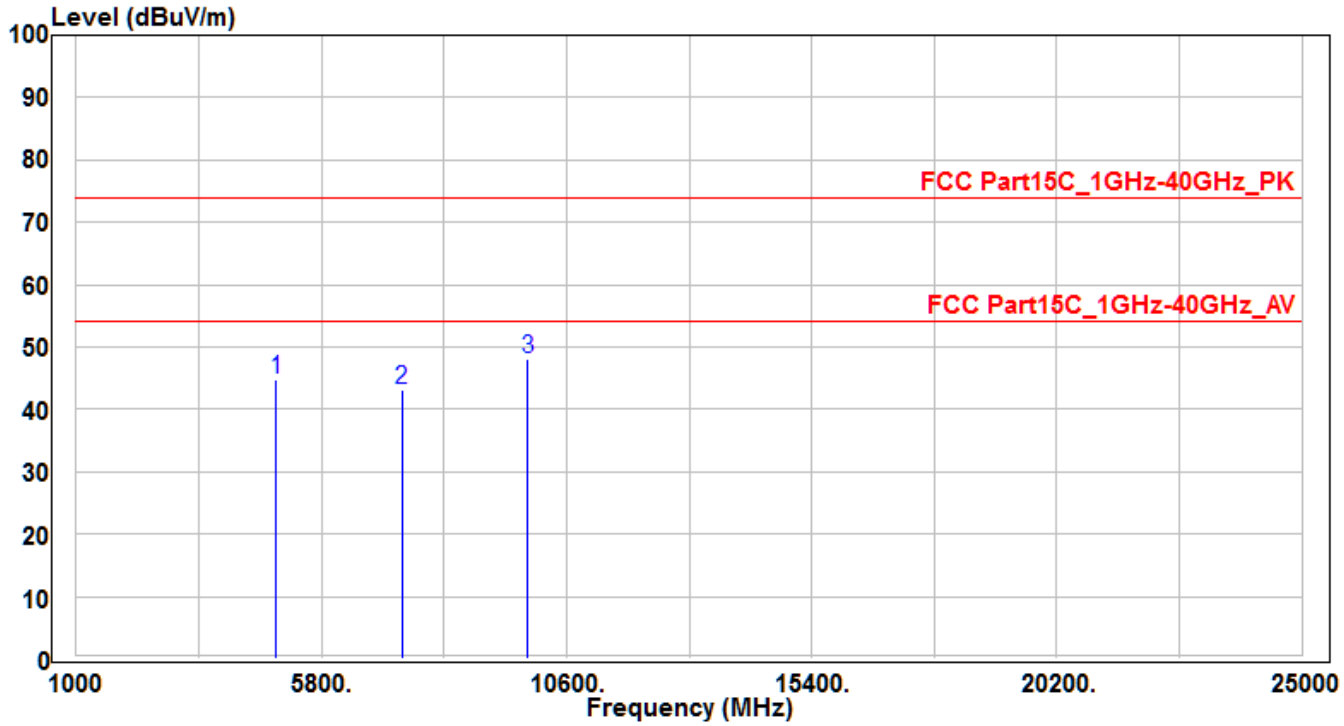


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	32.17	3.58	35.75	-38.25	74	150	400	Peak
2		7386	30.14	12.39	42.53	-31.47	74	150	400	Peak
3	*	9848	31.88	15.42	47.3	-26.7	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE6-CH11_Ant 0	Test Voltage	AC 120V/60Hz

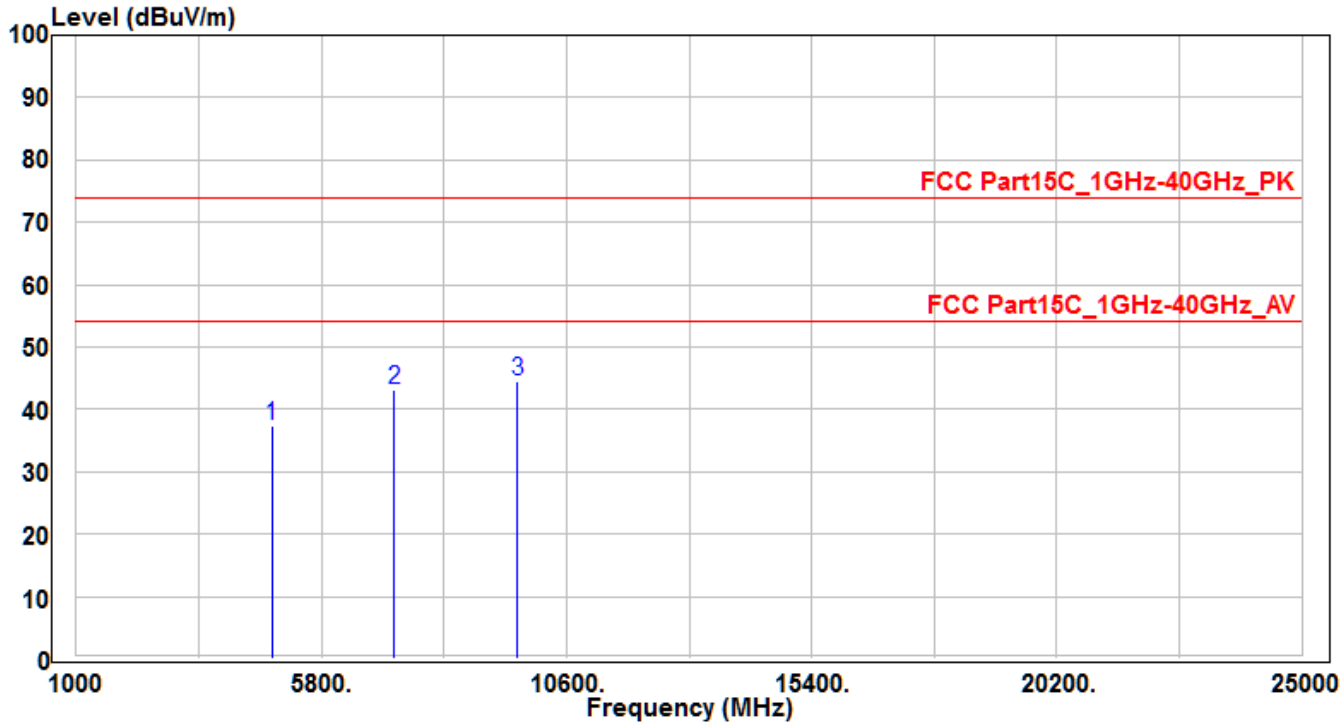


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4924	41.13	3.58	44.71	-29.29	74	150	400	Peak
2		7386	30.84	12.39	43.23	-30.77	74	150	400	Peak
3	*	9848	32.59	15.42	48.01	-25.99	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE7-CH01_Ant 0+1	Test Voltage	AC 120V/60Hz

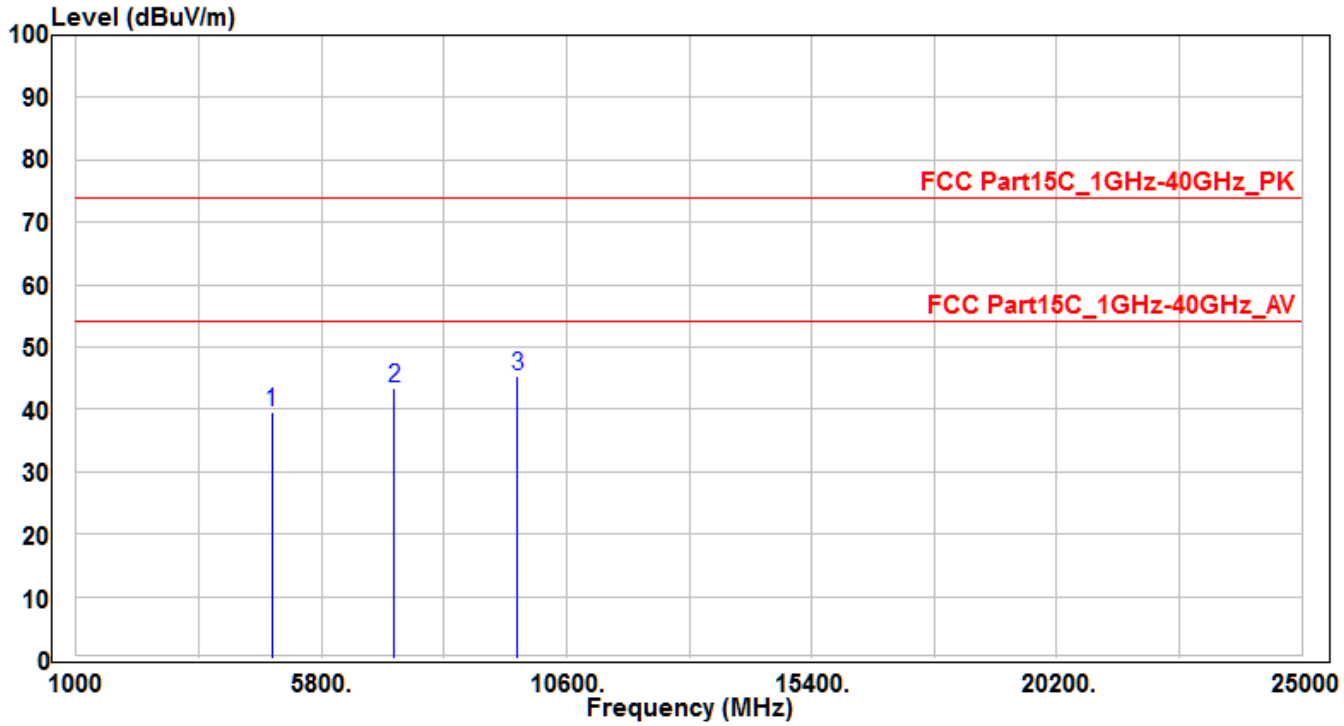


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	34.04	3.36	37.4	-36.6	74	150	400	Peak
2		7236	31.18	11.97	43.15	-30.85	74	150	400	Peak
3	*	9648	29.51	14.96	44.47	-29.53	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE7-CH01_Ant 0+1	Test Voltage	AC 120V/60Hz

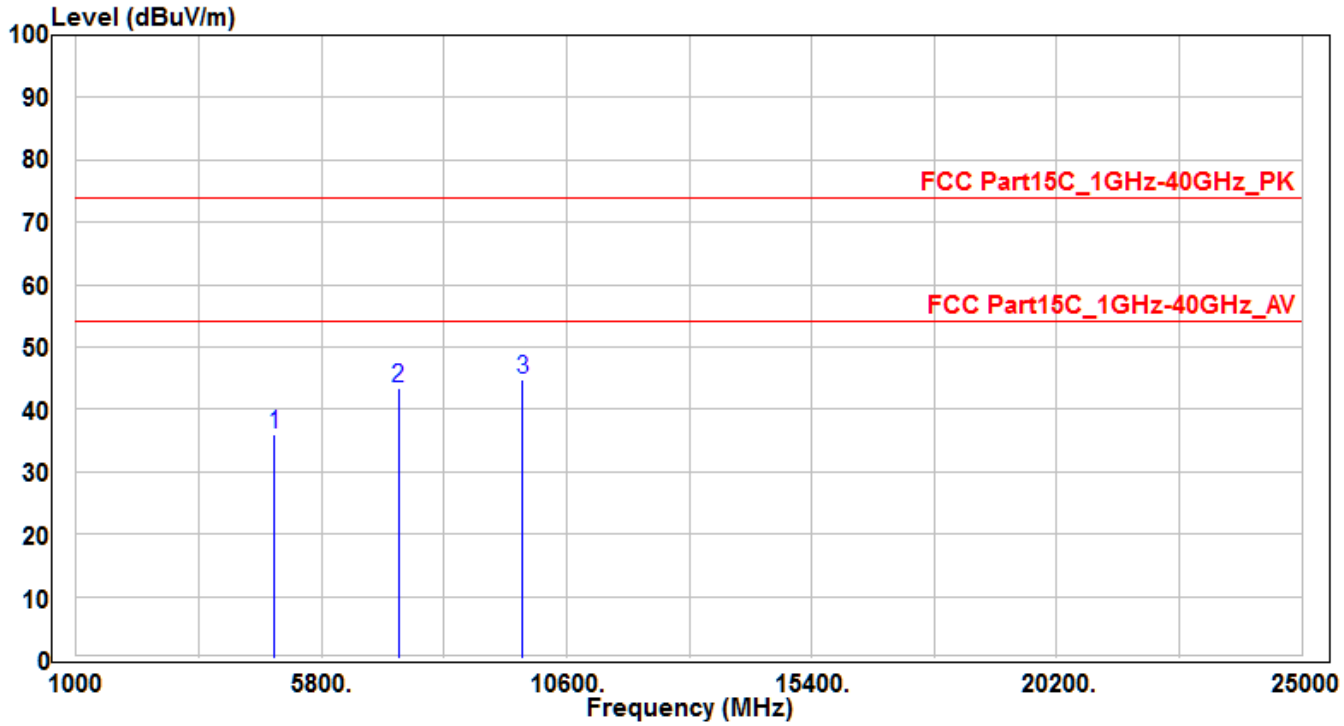


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4824	36.1	3.36	39.46	-34.54	74	150	400	Peak
2		7236	31.4	11.97	43.37	-30.63	74	150	400	Peak
3	*	9648	30.26	14.96	45.22	-28.78	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	i3SYNC RX40 (External Antenna)	Test Date	2018/6/14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE7-CH06_Ant 0+1	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		4874	32.56	3.47	36.03	-37.97	74	150	400	Peak
2		7311	31.2	12.18	43.38	-30.62	74	150	400	Peak
3	*	9748	29.63	15.19	44.82	-29.18	74	150	400	Peak

Note: The EUT Power by Notebook PC

1. " * " means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).