FCC Test Report

Product Name	：	UHD551-L
Trade Name	：	Vestel
Model No.	：	UHD551-L
FCC ID.	：	XU6-UHD551L

Applicant	：	VESTEL TRADE CO.
Address	：	Organize Sanayi Bölgesi (45030) Manisa/Türkiye

Date of Receipt	：	Mar. 28, 2017
Issued Date	：	Apr. 20, 2017
Report No.	：	1740037R-RFUSP71V00
Report Version	：	V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Apr. 20, 2017
Report No. : 1740037R-RFUSP71V00

Product Name	:	UHD551-L
Applicant	:	VESTEL TRADE CO.
Address	:	Organize Sanayi Bölgesi (45030) Manisa/Türkiye
Manufacturer	:	VESTEL TRADE CO.
Model No.	:	UHD551-L
FCC ID.	:	XU6-UHD551L
EUT Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/ 60Hz
Trade Name	:	Vestel
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2015 ANSI C63.10: 2013
Test Lab	:	Hsin Chu Laboratory
Test Result	:	Complied

The test results relate only to the samples tested.
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Tested By : Carter Hsu
(Carter Hsu / Senior Engineer)

Approved By : Roy Wang
(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1740037R-RFUSP71V00	V1.0	Initial issue of report	Apr. 20, 2017

Laboratory Information

We, **DEKRA Testing and Certification Co., Ltd.**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 3024**
USA	**:**	**FCC, Registration Number: 834100**
Canada	**:**	**IC, Submission No: 181665** **IC Registration Number: 22397-1 / 22397-2 / 22397-3**

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw/index_en.aspx
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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1. General Information

1.1. EUT Description

Product Name	UHD551-L	
Trade Name	Vestel	
Model No.	UHD551-L	
Frequency Range/ Channel Number	IEEE 802.11b/g IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)	2422~2452MHz / 7 Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11g	6, 9, 12,18, 24, 36, 48,54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n

Antenna Information	
Antenna Type	PIFA Antenna
Antenna Gain	Ant 0: 3.75 dBi Ant 1: 4.50 dBi

IEEE 802.11n

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
0	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.2	15.0
1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.4	30.0
2	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.7	45.0
3	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.9	60.0
4	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.3	90.0
5	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.8	120.0
6	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.0	135.0
7	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.2	150.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
8	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.4	30.0
9	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.9	60.0
10	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.3	90.0
11	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.8	120.0
12	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.7	180.0
13	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.6	240.0
14	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.0	270.0
15	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.4	300.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 2 – MCS parameters for TX Antenna number = 2

Symbol	Explanation
R	Code rate
N_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

IEEE 802.11b/g & IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz		

Note:

1. This device is a UHD551-L including 2.4GHz b/g/n (2x2), BT2.0, BT4.0 and 5GHz a/n (2x2) transmitting and receiving function.
2. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 1740037R-RFUSP01V00.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

TX	Mode 1: Tx_SISO Mode Mode 2: Tx_MIMO Mode

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
Peak Power Output	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
Radiated Emission	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
RF antenna conducted test	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0/1	Complies
	11n(40MHz)	3/ 6/ 9	0/1	Complies
Radiated Emission Band Edge	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
DTS Bandwidth	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0/1	Complies
	11n(40MHz)	3/ 6/ 9	0/1	Complies
Occupied Bandwidth	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0/1	Complies
	11n(40MHz)	3/ 6/ 9	0/1	Complies
Power Density	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies

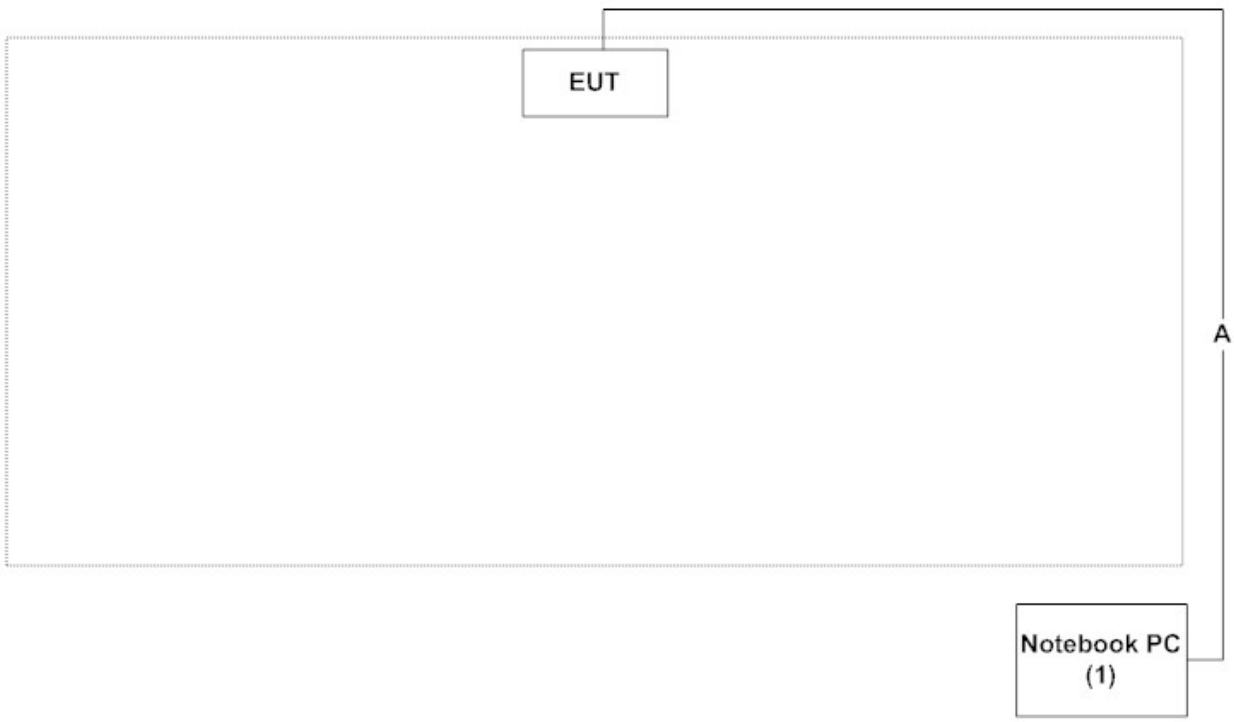
1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	ASUS	X522EP	E5N0CV043264197	DoC	Non-Shielded, 1.8m, one ferrite core bonded

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	USB Cable	Non-Shielded, 3m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the test program “MTool-2.0.2.1.exe”.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20°C
Humidity (%RH)		25 - 75	50%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25°C
Humidity (%RH)		25 - 75	65%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	25°C
Humidity (%RH)		25 - 75	48%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 DTS Bandwidth	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

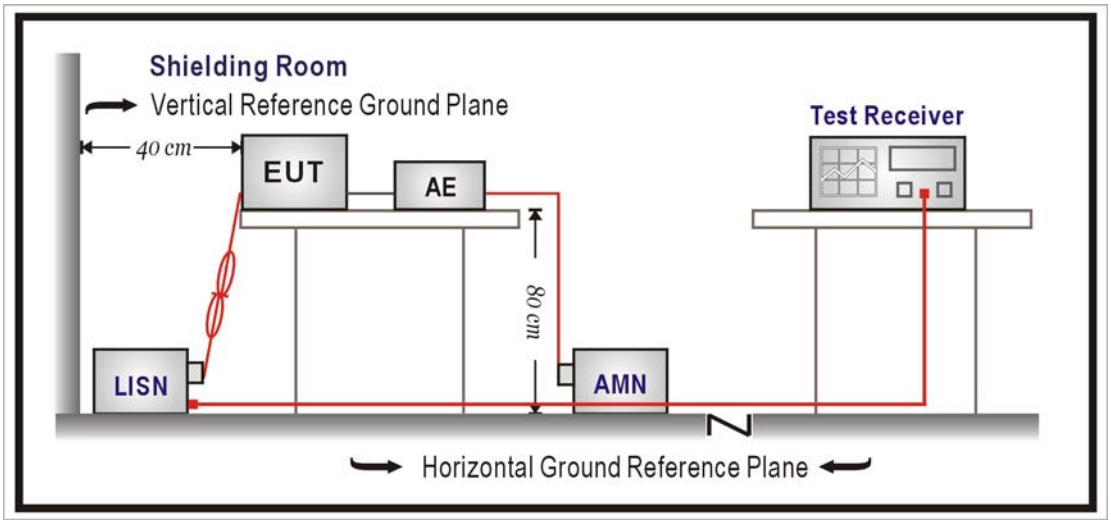
The following test equipments are used during the test:

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2018/02/05
LISN	R&S	ENV216	100092	2017/08/16
Test Receiver	R&S	ESCS 30	836858/022	2018/01/14

Note: All equipments that need to calibrate are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remark: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

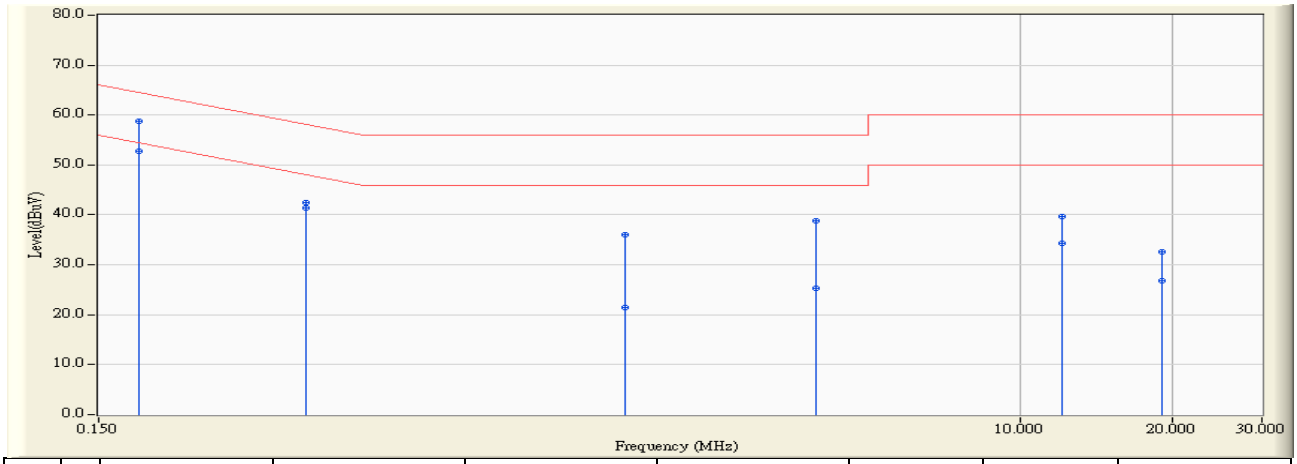
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	**Time : 2017/04/13**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**

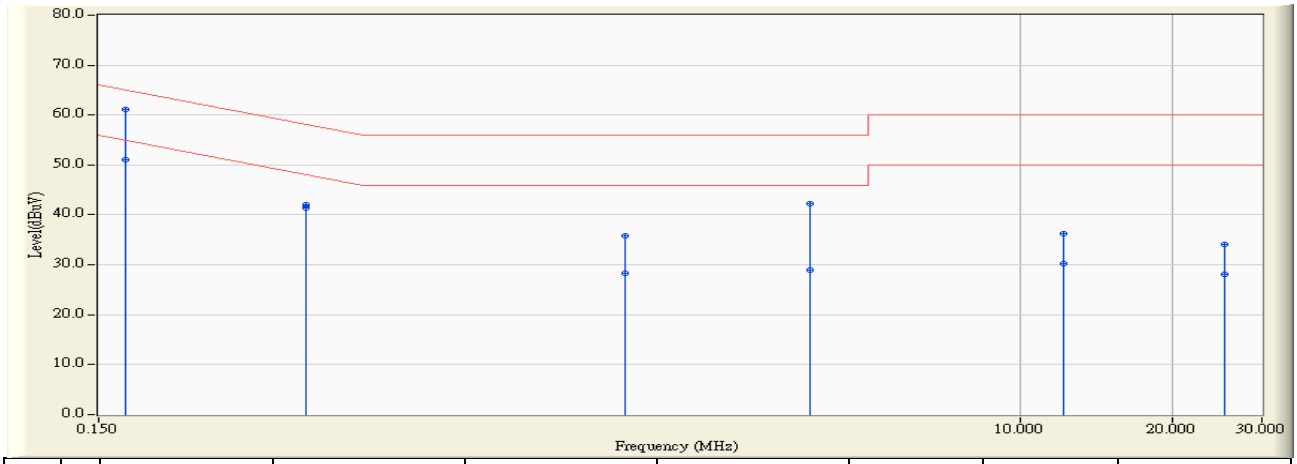


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.180	9.752	49.120	58.872	-5.607	64.479	QUASIPEAK
2	*	0.180	9.752	43.020	52.772	-1.707	54.479	AVERAGE
3		0.384	9.732	32.730	42.462	-15.723	58.184	QUASIPEAK
4		0.384	9.732	31.620	41.352	-6.833	48.184	AVERAGE
5		1.654	9.846	26.250	36.096	-19.904	56.000	QUASIPEAK
6		1.654	9.846	11.500	21.346	-24.654	46.000	AVERAGE
7		3.943	9.918	28.950	38.868	-17.132	56.000	QUASIPEAK
8		3.943	9.918	15.490	25.408	-20.592	46.000	AVERAGE
9		12.064	10.167	29.410	39.577	-20.423	60.000	QUASIPEAK
10		12.064	10.167	24.200	34.367	-15.633	50.000	AVERAGE
11		18.986	10.316	22.390	32.706	-27.294	60.000	QUASIPEAK
12		18.986	10.316	16.460	26.776	-23.224	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR2-H	**Time : 2017/04/13**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.753	41.190	50.943	-4.040	54.983	AVERAGE
2	*	0.170	9.753	51.270	61.023	-3.960	64.983	QUASIPEAK
3		0.384	9.750	32.310	42.060	-16.124	58.184	QUASIPEAK
4		0.384	9.750	31.620	41.370	-6.814	48.184	AVERAGE
5		1.654	9.840	25.960	35.800	-20.200	56.000	QUASIPEAK
6		1.654	9.840	18.400	28.240	-17.760	46.000	AVERAGE
7		3.826	9.841	32.340	42.181	-13.819	56.000	QUASIPEAK
8		3.826	9.841	19.200	29.041	-16.959	46.000	AVERAGE
9		12.142	10.219	26.020	36.239	-23.761	60.000	QUASIPEAK
10		12.142	10.219	20.010	30.229	-19.771	50.000	AVERAGE
11		25.337	10.542	23.530	34.071	-25.929	60.000	QUASIPEAK
12		25.337	10.542	17.530	28.071	-21.929	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Peak Power Output

3.1. Test Equipment

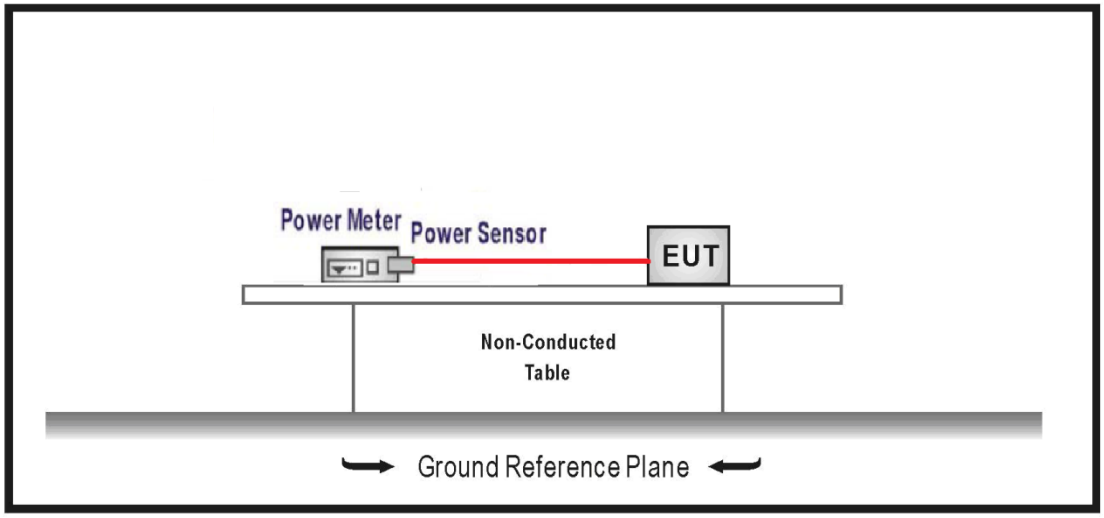
The following test equipments are used during the test:

Peak Power Output / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531043	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531044	2018/01/19

Note: All equipments that need to calibrate are with calibration period of 1 year.

3.2. Test Setup



3.3. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 v03r05 measurement to FCC 47CFR 15.247 requirements.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	16.970	≦30
6	2437	16.830	≦30
11	2462	16.370	≦30

The worst emission of data rate is 1Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	16.970	--	--	--	≦30
6	2437	16.830	16.800	16.780	16.720	≦30
11	2462	16.370	--	--	--	≦30

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	17.140	≦30
6	2437	16.960	≦30
11	2462	16.750	≦30

The worst emission of data rate is 1Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	17.140	--	--	--	≦30
6	2437	16.960	16.930	16.880	16.860	≦30
11	2462	16.750	--	--	--	≦30

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.690	≦30
6	2437	24.380	≦30
11	2462	22.870	≦30

The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	24.690	--	--	--	--	--	--	≦30
6	2437	24.380	24.320	24.280	24.230	24.200	23.990	23.910	≦30
11	2462	22.870	--	--	--	--	--	--	≦30

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.190	≦30
6	2437	24.630	≦30
11	2462	24.090	≦30

The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	24.190	--	--	--	--	--	--	≦30
6	2437	24.630	24.600	24.550	24.510	24.210	24.110	24.010	≦30
11	2462	24.090	--	--	--	--	--	--	≦30

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n20 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	21.200	≦28.54
6	2437	20.310	≦28.54
11	2462	19.840	≦28.54

The worst emission of data rate is MCS8.

Channel	Frequency	MCS Index								Required
No	(MHz)	8	9	10	11	12	13	14	15	Limit
1	2412	21.200	--	--	--	--	--	--	--	≦28.54
6	2437	20.310	20.270	20.220	20.140	20.100	20.040	19.910	19.780	≦28.54
11	2462	19.840	--	--	--	--	--	--	--	≦28.54

Direction antenna =4.45 +10log(2)=4.45+3.01=7.46 dBi

Limit = 30 dBm -(7.46-6)= 28.54 dBm

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n20 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.590	≦28.54
6	2437	19.730	≦28.54
11	2462	20.420	≦28.54

The worst emission of data rate is MCS8.

Channel No	Frequency (MHz)	MCS Index								Required Limit
		8	9	10	11	12	13	14	15	
1	2412	20.590	--	--	--	--	--	--	--	≦28.54
6	2437	19.730	19.680	19.600	19.540	19.340	19.210	19.110	19.010	≦28.54
11	2462	20.420	--	--	--	--	--	--	--	≦28.54

Direction antenna =4.45 +10log(2)=4.45+3.01=7.46 dBi

Limit = 30 dBm -(7.46-6)= 28.54 dBm

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n20 (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	23.916	≦28.54
6	2437	23.040	≦28.54
11	2462	23.150	≦28.54

Direction antenna =4.45 +10log(2)=4.45+3.01=7.46 dBi

Limit = 30 dBm -(7.46-6)= 28.54 dBm

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n40 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	18.420	≦28.54
6	2437	20.120	≦28.54
9	2452	19.900	≦28.54

The worst emission of data rate is MCS8.

Channel	Frequency	MCS Index								Required
No	(MHz)	8	9	10	11	12	13	14	15	Limit
3	2422	18.420	--	--	--	--	--	--	--	≦28.54
6	2437	20.120	20.010	19.910	19.820	19.660	19.540	19.340	19.210	≦28.54
9	2452	19.900	--	--	--	--	--	--	--	≦28.54

Direction antenna =4.45 +10log(2)=4.45+3.01=7.46 dBi

Limit = 30 dBm -(7.46-6)= 28.54 dBm

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n40 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	17.710	≦28.54
6	2437	20.190	≦28.54
9	2452	19.660	≦28.54

The worst emission of data rate is MCS8.

Channel	Frequency	MCS Index								Required
No	(MHz)	8	9	10	11	12	13	14	15	Limit
3	2422	17.710	--	--	--	--	--	--	--	≦28.54
6	2437	20.190	20.080	19.880	19.750	19.660	19.340	19.200	19.010	≦28.54
9	2452	19.660	--	--	--	--	--	--	--	≦28.54

Direction antenna =4.45 +10log(2)=4.45+3.01=7.46 dBi

Limit = 30 dBm -(7.46-6)= 28.54 dBm

Product	UHD551-L		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n40 (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	21.090	≦28.54
6	2437	23.165	≦28.54
9	2452	22.792	≦28.54

Direction antenna =4.45 +10log(2)=4.45+3.01=7.46 dBi

Limit = 30 dBm -(7.46-6)= 28.54 dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

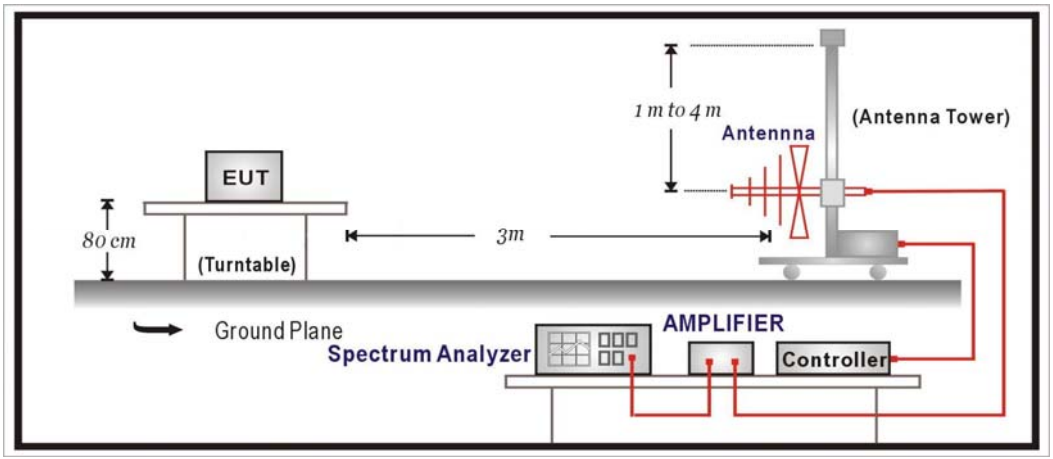
Radiated Emission / CB4-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2891	2017/08/14
Horn Antenna	Schwarzbeck	BBHA 9120	D312	2017/10/25
Pre-Amplifier	EMCI	EMC0031835	980233	2018/02/02
Pre-Amplifier	Schwarzbeck	DBL-1840N506	013	2017/09/29
Pre-Amplifier	Miteq	JS41-001040000-58-5P	1573954	2017/10/04
Horn Antenna	Schwarzbeck	BBHA 9170	203	2017/08/28
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/22

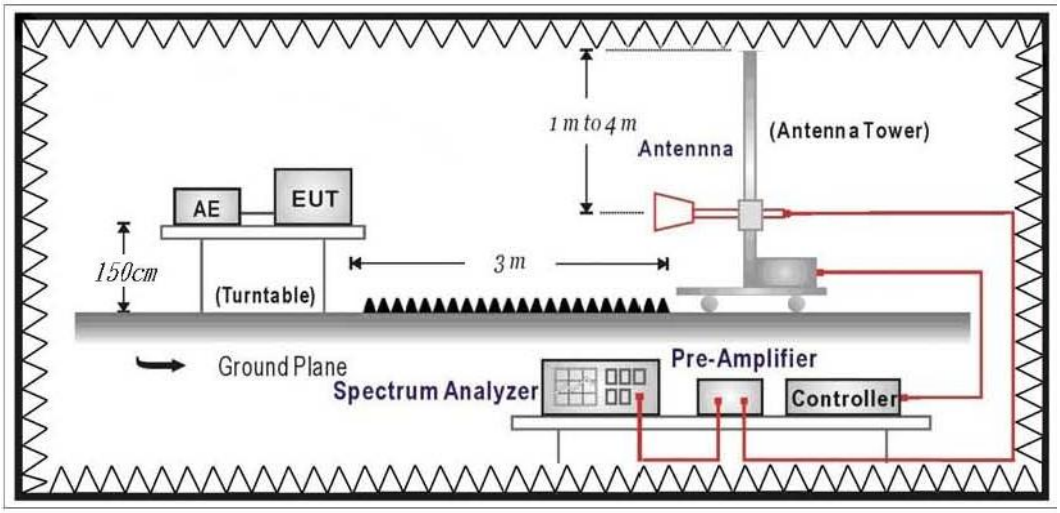
Note: All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	dBuV/m	dBuV/m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 v03r05 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 1.5 meter above ground(under 1GHz) or 1.5 meter above ground (above 1GHz). The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

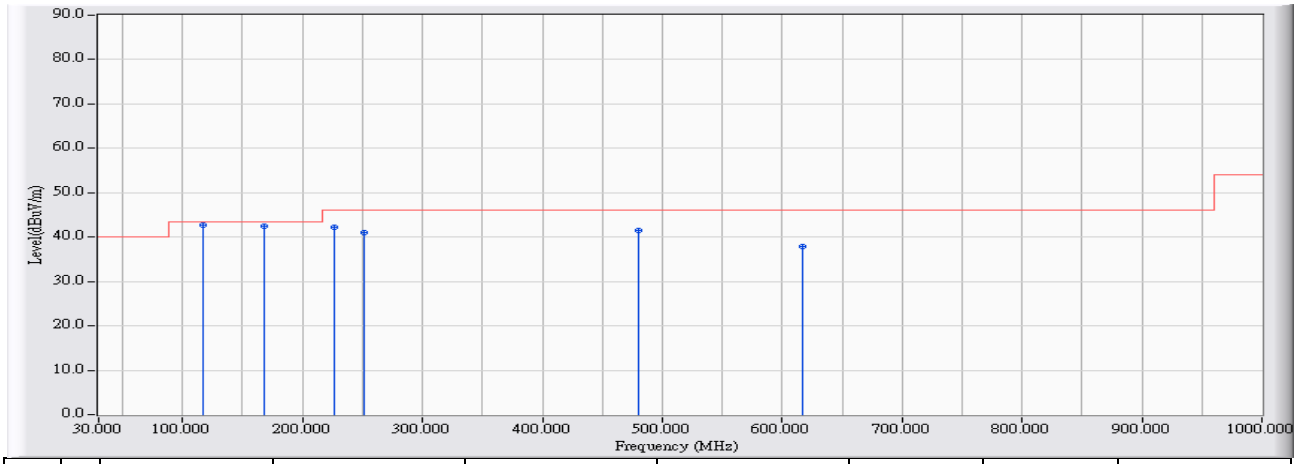
4.6. Uncertainty

The measurement uncertainty
30MHz～1GHz as ±3.43dB
1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant0**

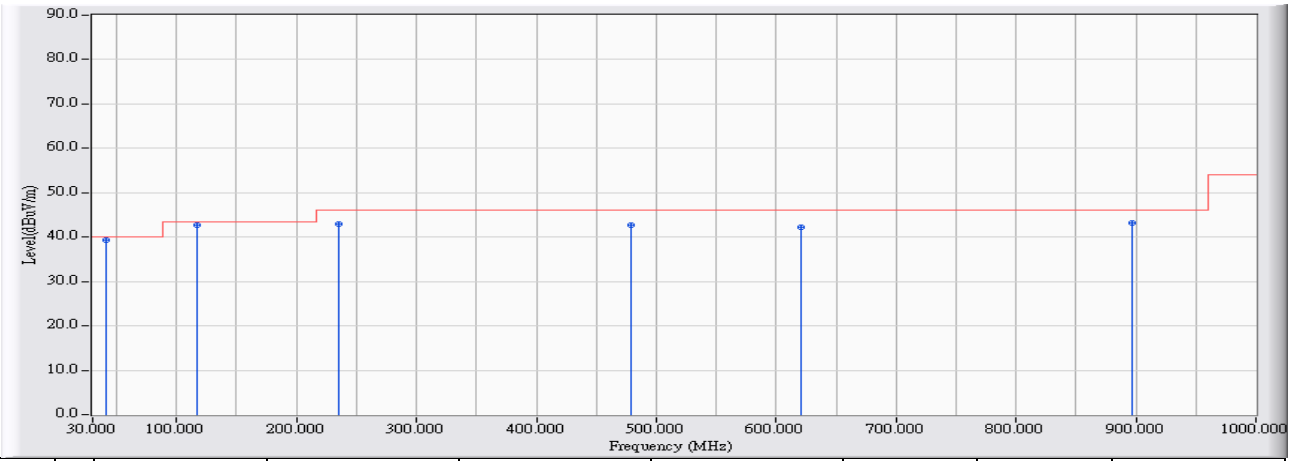


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	116.815	-21.487	64.263	42.777	-0.723	43.500	QUASIPEAK
2		168.225	-23.337	65.886	42.550	-0.950	43.500	QUASIPEAK
3		226.910	-21.606	63.776	42.171	-3.829	46.000	QUASIPEAK
4		251.645	-20.130	61.110	40.979	-5.021	46.000	QUASIPEAK
5		480.080	-14.513	56.058	41.545	-4.455	46.000	QUASIPEAK
6		616.365	-11.968	49.840	37.872	-8.128	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant0**

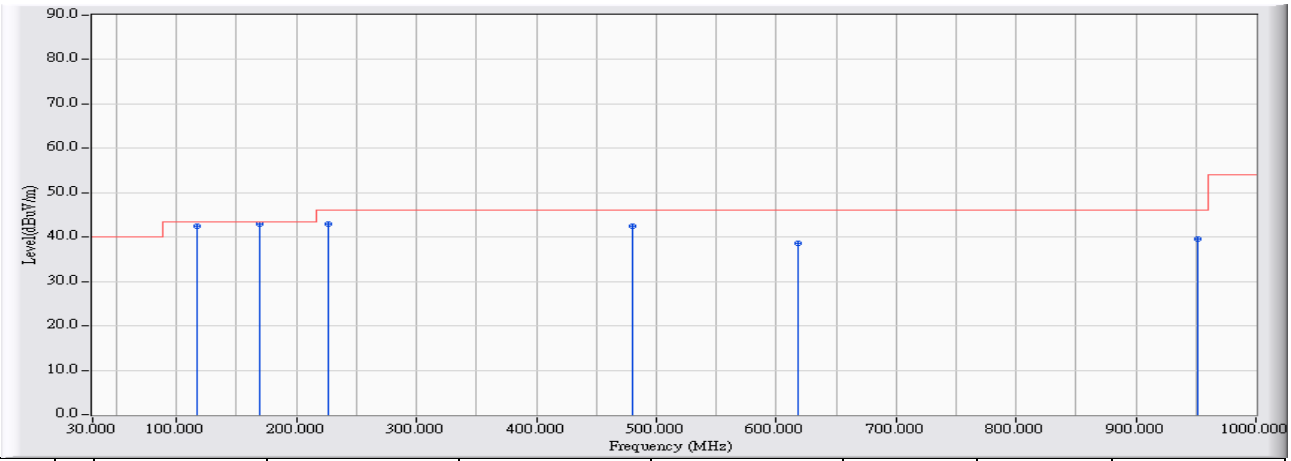


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	41.155	-17.779	57.013	39.233	-0.767	40.000	QUASIPEAK
2		116.815	-21.487	64.156	42.670	-0.830	43.500	QUASIPEAK
3		234.670	-21.142	64.113	42.972	-3.028	46.000	QUASIPEAK
4		478.625	-14.521	57.322	42.801	-3.199	46.000	QUASIPEAK
5		620.730	-11.831	54.081	42.251	-3.749	46.000	QUASIPEAK
6		896.210	-8.630	51.832	43.202	-2.798	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant1**

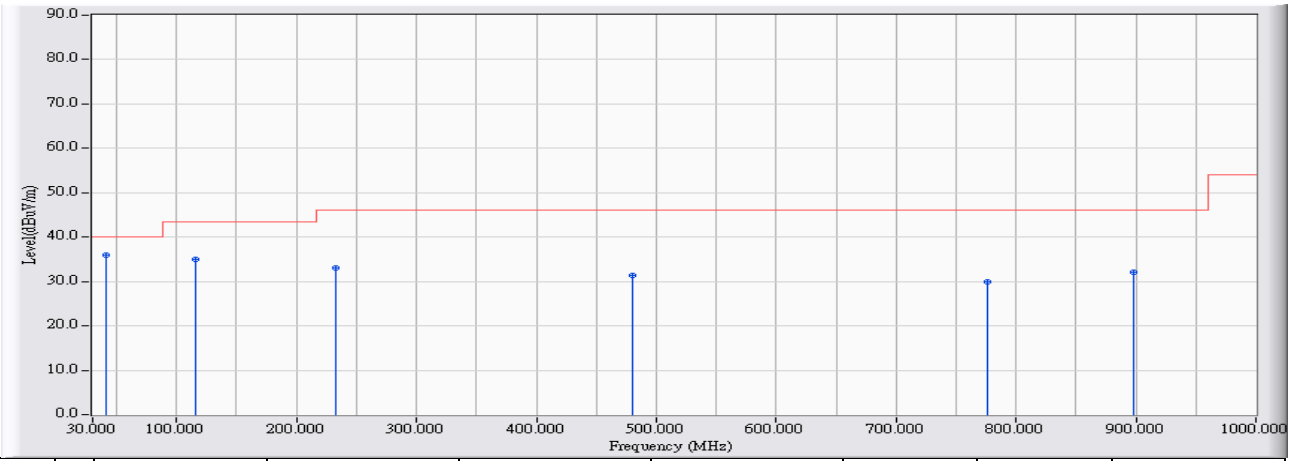


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		116.815	-21.487	63.976	42.490	-1.010	43.500	QUASIPEAK
2	*	169.195	-23.389	66.297	42.909	-0.591	43.500	QUASIPEAK
3		226.425	-21.637	64.570	42.933	-3.067	46.000	QUASIPEAK
4		480.080	-14.513	57.022	42.509	-3.491	46.000	QUASIPEAK
5		618.790	-11.865	50.512	38.646	-7.354	46.000	QUASIPEAK
6		951.015	-7.173	46.692	39.519	-6.481	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant1**

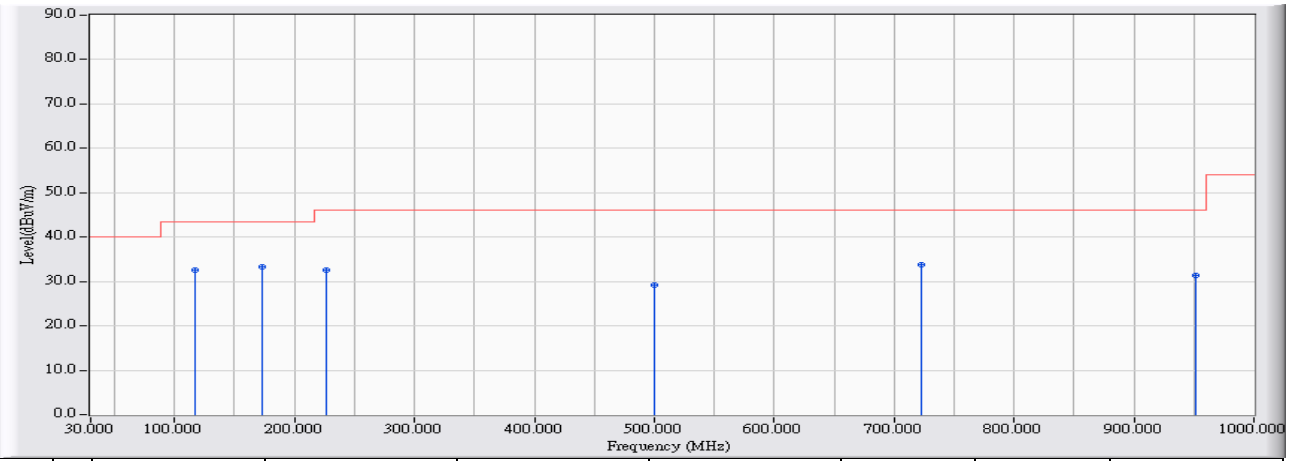


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	40.670	-17.178	53.164	35.986	-4.014	40.000	QUASIPEAK
2		116.330	-21.541	56.600	35.060	-8.440	43.500	QUASIPEAK
3		232.245	-21.277	54.366	33.088	-12.912	46.000	QUASIPEAK
4		480.080	-14.513	45.965	31.452	-14.548	46.000	QUASIPEAK
5		775.930	-9.921	39.832	29.911	-16.089	46.000	QUASIPEAK
6		898.150	-8.734	40.828	32.094	-13.906	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant0**

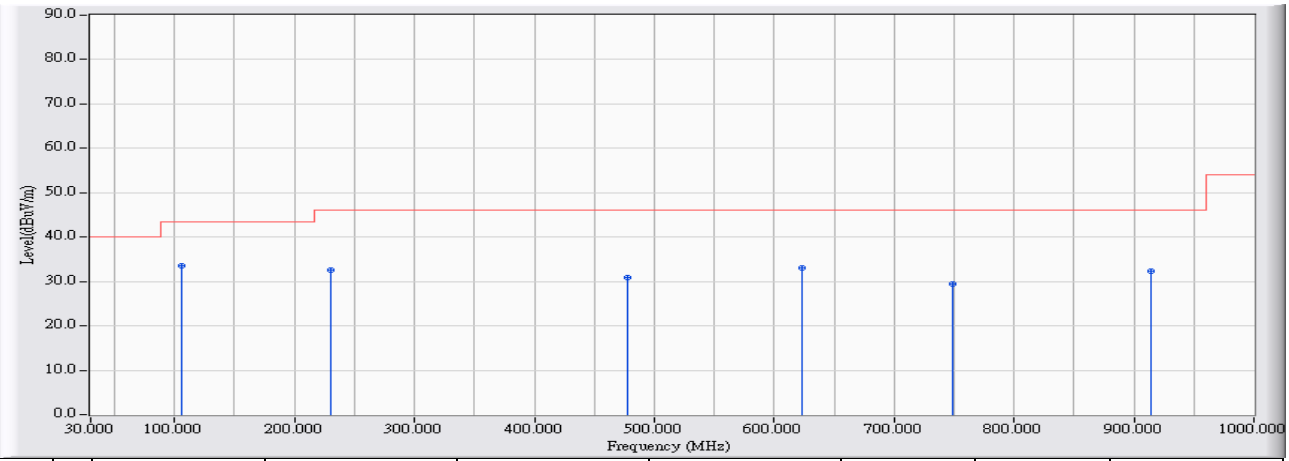


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		116.815	-21.487	54.081	32.595	-10.905	43.500	QUASIPEAK
2	*	172.590	-23.607	56.932	33.325	-10.175	43.500	QUASIPEAK
3		226.425	-21.637	54.129	32.492	-13.508	46.000	QUASIPEAK
4		499.480	-14.055	43.333	29.278	-16.722	46.000	QUASIPEAK
5		722.095	-10.977	44.820	33.843	-12.157	46.000	QUASIPEAK
6		951.015	-7.173	38.439	31.266	-14.734	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant0**

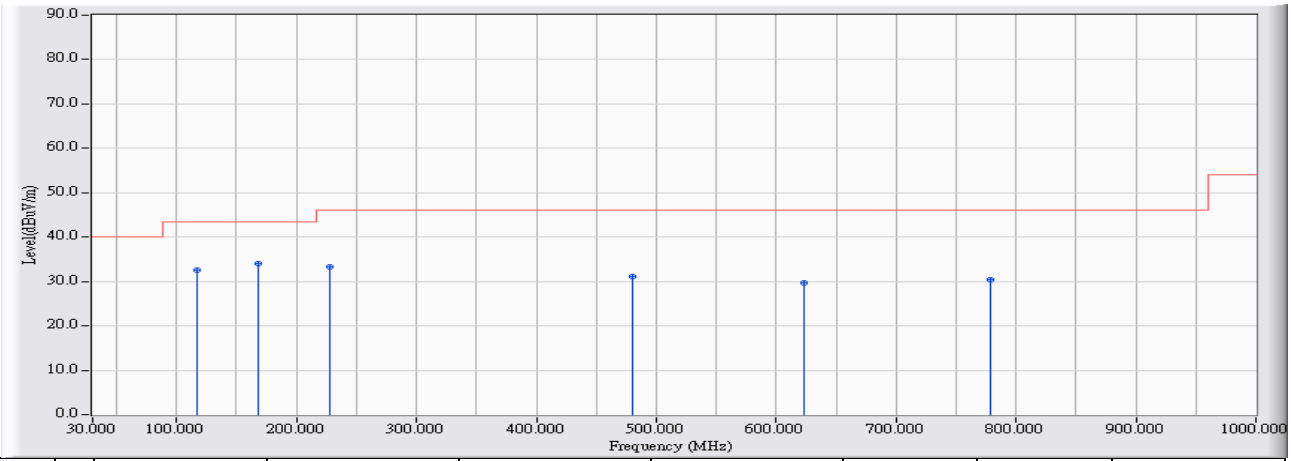


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	105.660	-22.733	56.344	33.611	-9.889	43.500	QUASIPEAK
2		229.820	-21.415	53.948	32.533	-13.467	46.000	QUASIPEAK
3		478.140	-14.523	45.332	30.809	-15.191	46.000	QUASIPEAK
4		623.640	-11.930	45.014	33.083	-12.917	46.000	QUASIPEAK
5		749.255	-11.324	40.844	29.520	-16.480	46.000	QUASIPEAK
6		913.670	-9.693	42.099	32.406	-13.594	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant1**

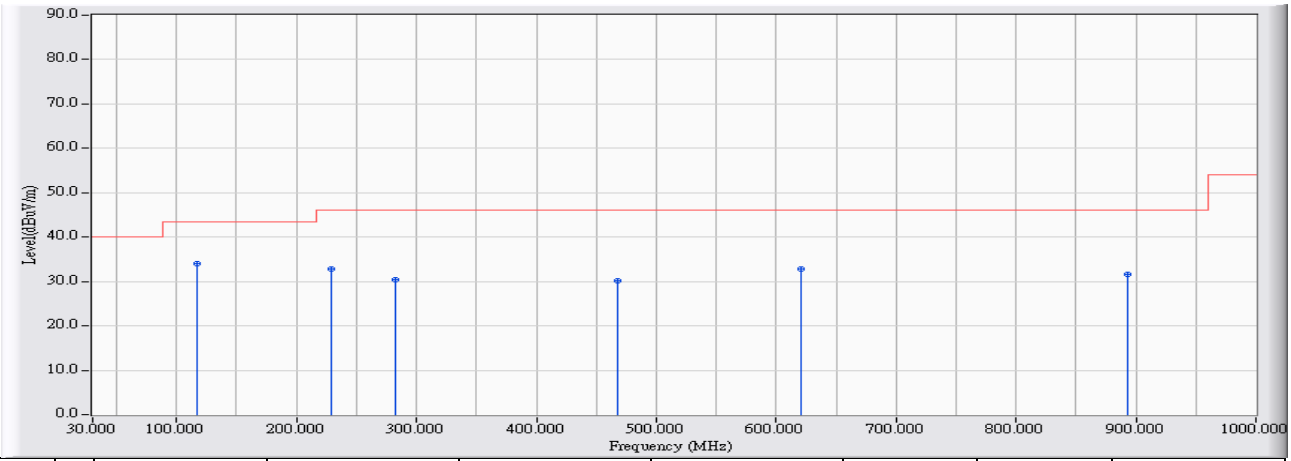


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		116.815	-21.487	54.116	32.630	-10.870	43.500	QUASIPEAK
2	*	168.225	-23.337	57.379	34.043	-9.457	43.500	QUASIPEAK
3		227.880	-21.541	54.908	33.366	-12.634	46.000	QUASIPEAK
4		480.080	-14.513	45.616	31.103	-14.897	46.000	QUASIPEAK
5		623.640	-11.930	41.537	29.606	-16.394	46.000	QUASIPEAK
6		778.840	-9.662	40.097	30.435	-15.565	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant1**

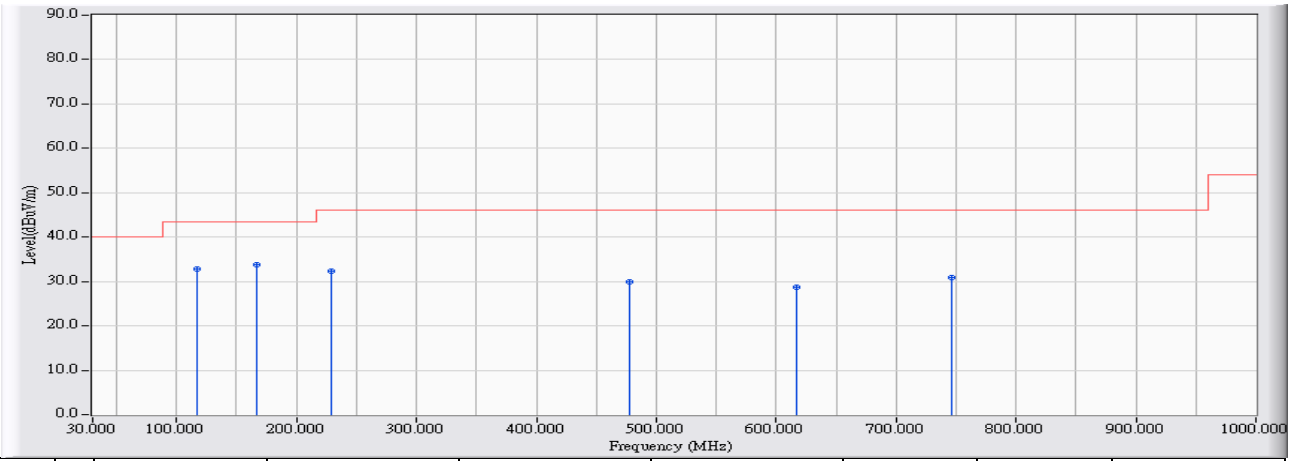


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	117.300	-21.433	55.478	34.045	-9.455	43.500	QUASIPEAK
2		229.335	-21.447	54.342	32.895	-13.105	46.000	QUASIPEAK
3		282.200	-19.332	49.620	30.288	-15.712	46.000	QUASIPEAK
4		467.955	-14.551	44.796	30.246	-15.754	46.000	QUASIPEAK
5		621.215	-11.847	44.765	32.918	-13.082	46.000	QUASIPEAK
6		893.300	-8.475	40.021	31.546	-14.454	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2437MHz**

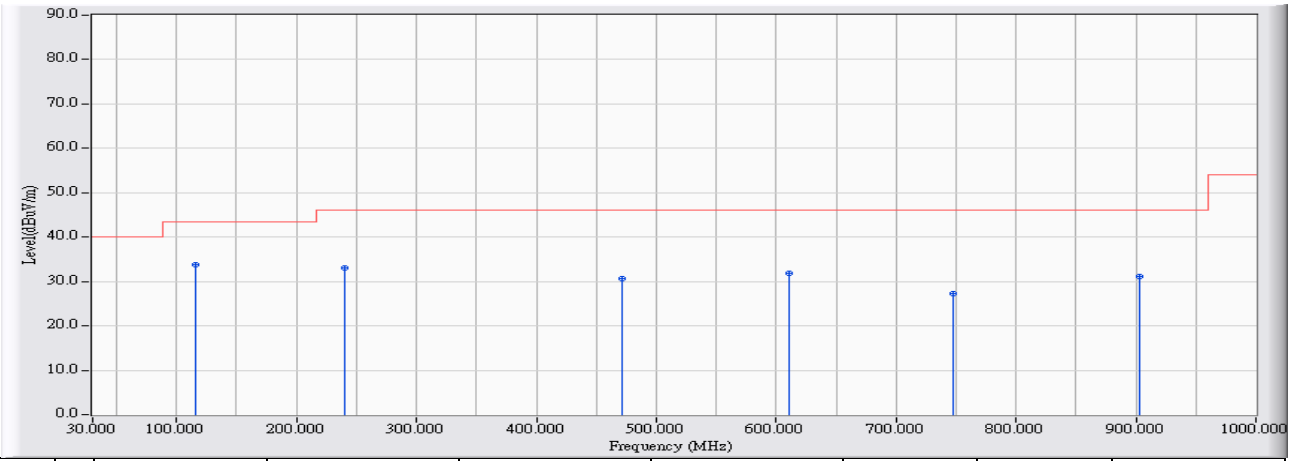


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		116.815	-21.487	54.314	32.828	-10.672	43.500	QUASIPEAK
2	*	166.285	-23.233	57.087	33.854	-9.646	43.500	QUASIPEAK
3		228.365	-21.511	53.730	32.220	-13.780	46.000	QUASIPEAK
4		478.140	-14.523	44.563	30.040	-15.960	46.000	QUASIPEAK
5		616.850	-11.947	40.590	28.643	-17.357	46.000	QUASIPEAK
6		746.830	-11.144	42.052	30.908	-15.092	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2437MHz**

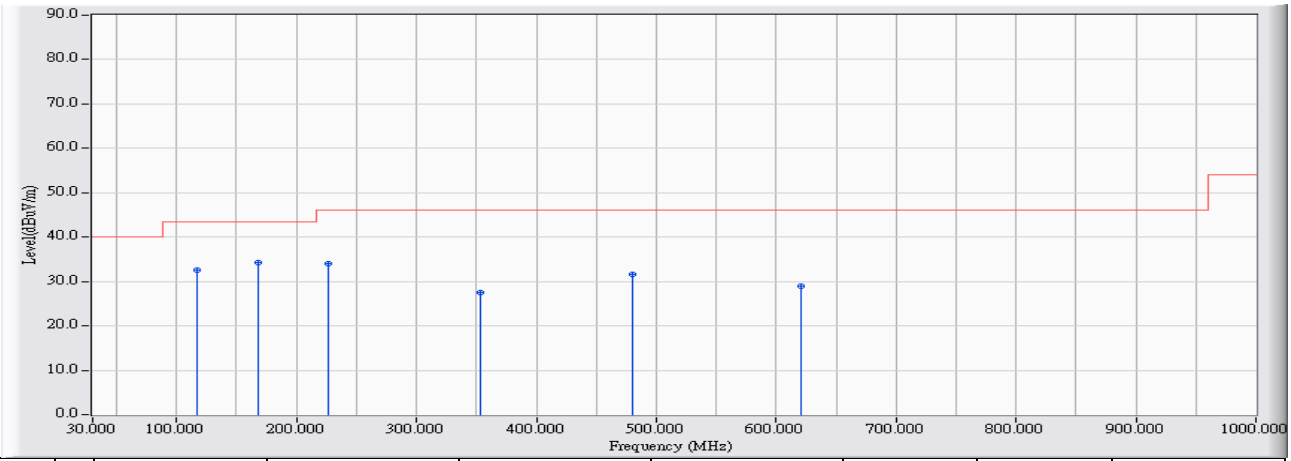


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	116.330	-21.541	55.236	33.696	-9.804	43.500	QUASIPEAK
2		240.005	-20.838	53.805	32.968	-13.032	46.000	QUASIPEAK
3		471.350	-14.562	45.128	30.566	-15.434	46.000	QUASIPEAK
4		610.545	-12.214	44.160	31.947	-14.053	46.000	QUASIPEAK
5		747.800	-11.216	38.554	27.337	-18.663	46.000	QUASIPEAK
6		903.485	-9.186	40.380	31.194	-14.806	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**

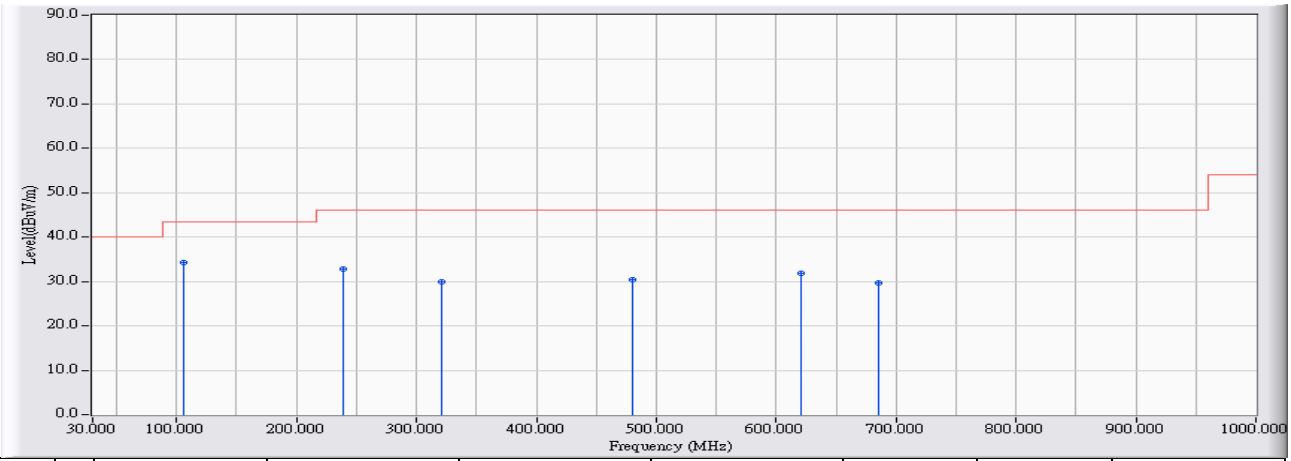


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		116.815	-21.487	54.140	32.654	-10.846	43.500	QUASIPEAK
2	*	168.225	-23.337	57.698	34.362	-9.138	43.500	QUASIPEAK
3		226.425	-21.637	55.718	34.081	-11.919	46.000	QUASIPEAK
4		353.495	-17.274	44.745	27.471	-18.529	46.000	QUASIPEAK
5		480.080	-14.513	46.065	31.552	-14.448	46.000	QUASIPEAK
6		620.730	-11.831	40.782	28.952	-17.048	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/04/13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 0**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**



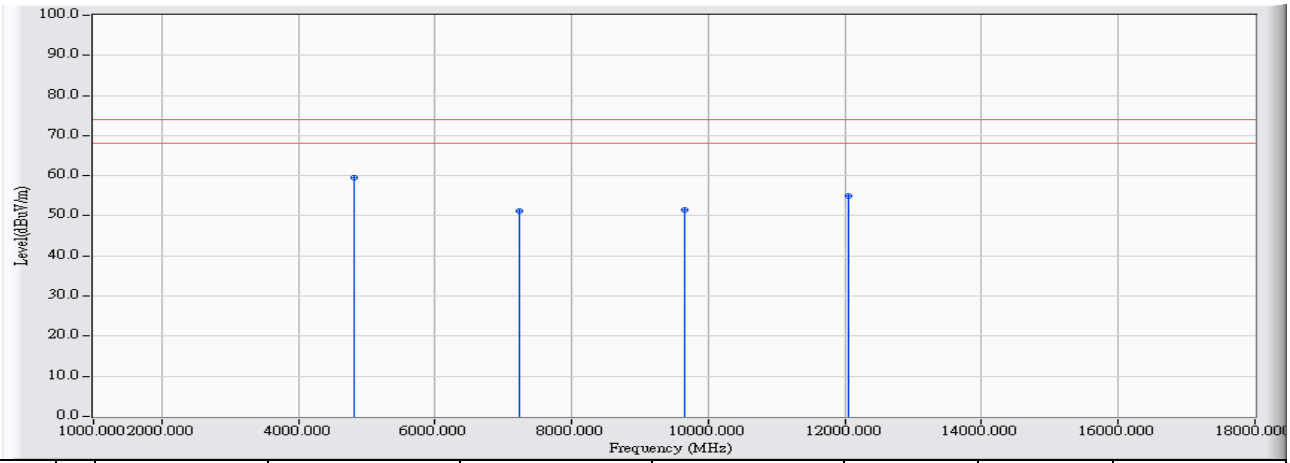
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	105.660	-22.733	56.934	34.201	-9.299	43.500	QUASIPEAK
2		239.035	-20.895	53.651	32.755	-13.245	46.000	QUASIPEAK
3		321.485	-18.826	48.819	29.992	-16.008	46.000	QUASIPEAK
4		480.080	-14.513	44.809	30.296	-15.704	46.000	QUASIPEAK
5		620.730	-11.831	43.729	31.899	-14.101	46.000	QUASIPEAK
6		685.235	-11.517	41.202	29.685	-16.315	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Above 1GHz Spurious

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant0**

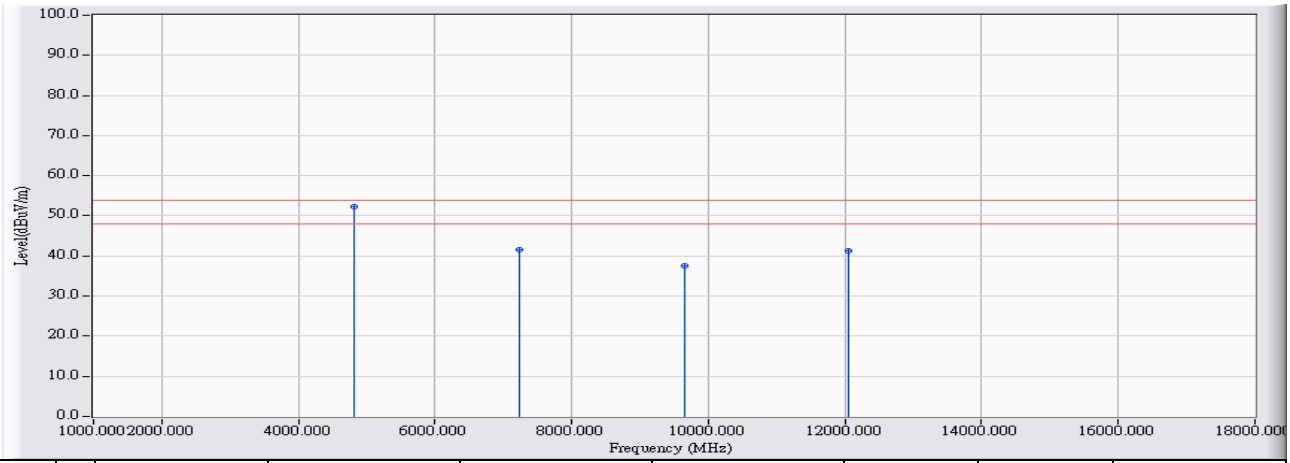


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	52.210	59.644	-14.356	74.000	PEAK
2		7236.000	16.051	35.090	51.141	-22.859	74.000	PEAK
3		9648.000	21.837	29.650	51.487	-22.513	74.000	PEAK
4		12060.000	26.039	28.970	55.009	-18.991	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant0**

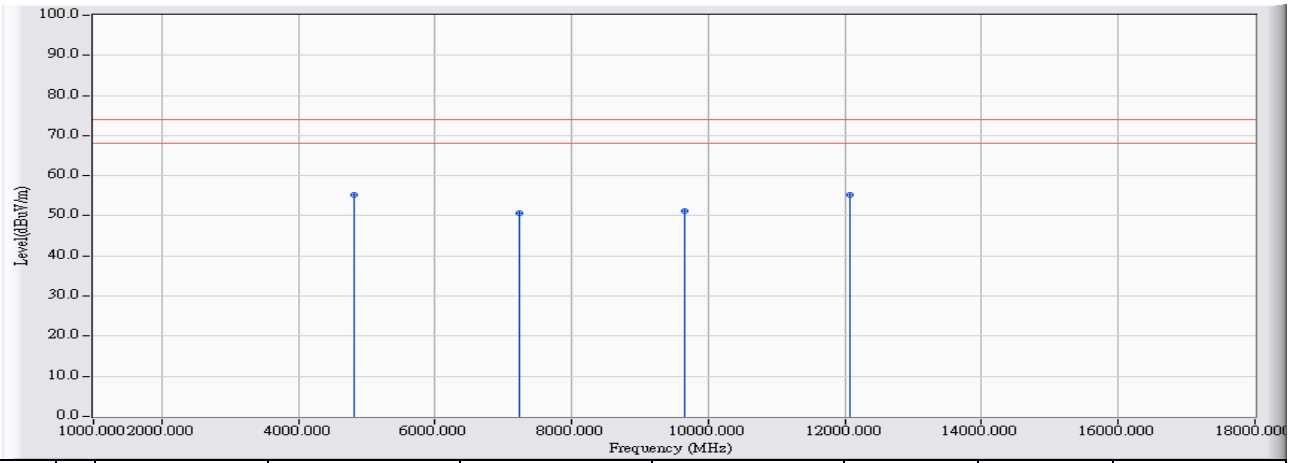


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	44.820	52.254	-1.746	54.000	AVERAGE
2		7236.000	16.055	25.390	41.446	-12.554	54.000	AVERAGE
3		9648.000	21.844	15.730	37.575	-16.425	54.000	AVERAGE
4		12060.000	26.043	15.310	41.352	-12.648	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant0**

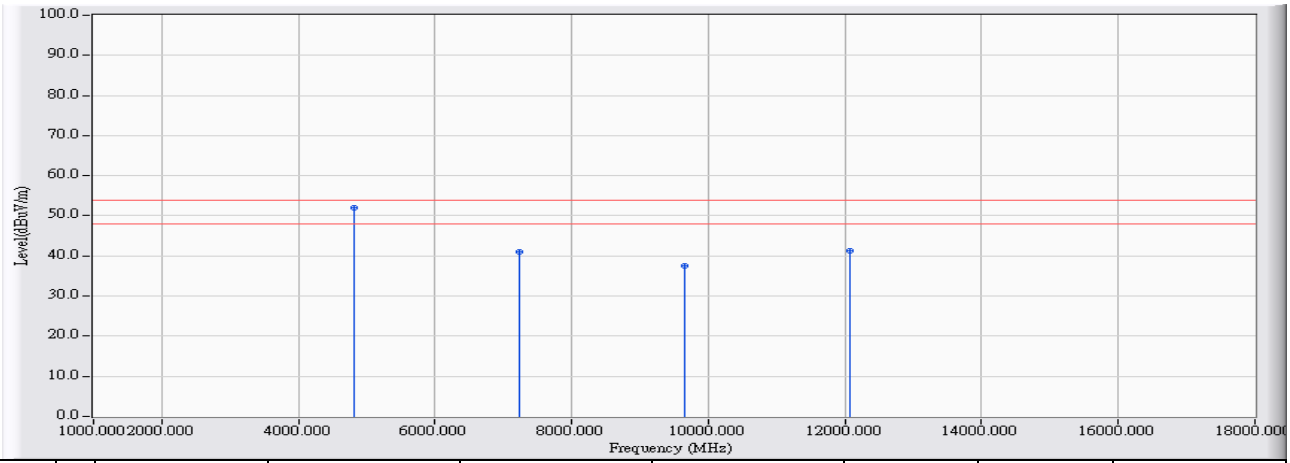


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	7.434	47.740	55.174	-18.826	74.000	PEAK
2		7236.000	16.051	34.500	50.551	-23.449	74.000	PEAK
3		9648.000	21.854	29.410	51.264	-22.736	74.000	PEAK
4	*	12060.000	26.036	29.270	55.307	-18.693	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant0**

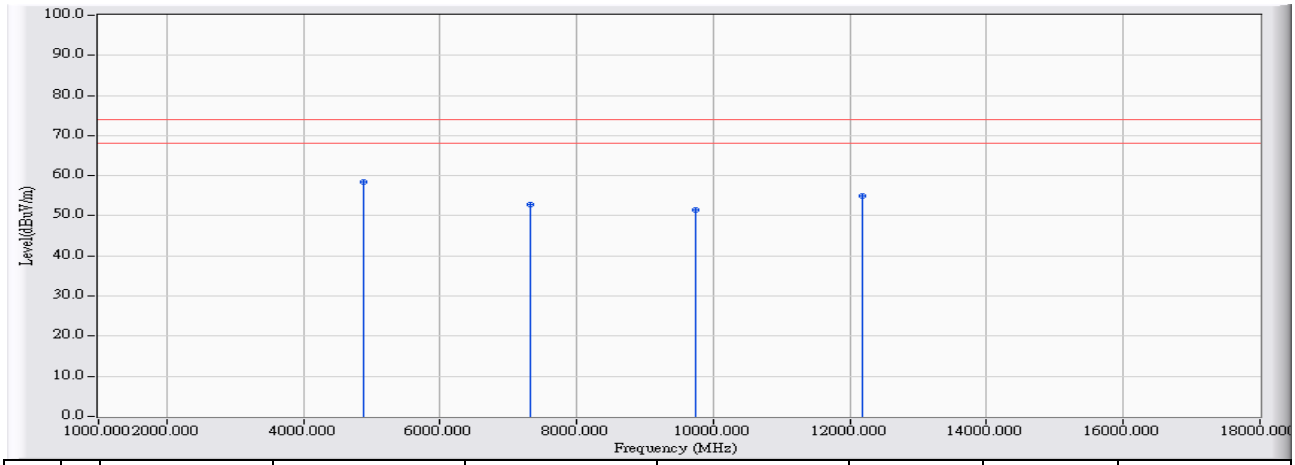


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	44.480	51.914	-2.086	54.000	AVERAGE
2		7236.000	16.051	25.090	41.141	-12.859	54.000	AVERAGE
3		9648.000	21.843	15.590	37.432	-16.568	54.000	AVERAGE
4		12060.000	26.036	15.230	41.267	-12.733	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant0**

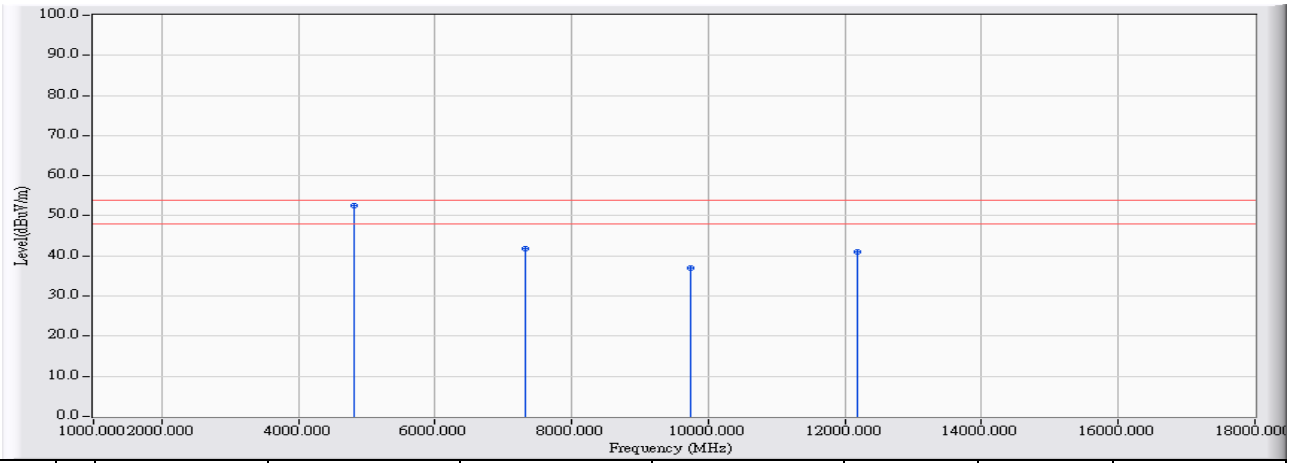


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.555	50.910	58.465	-15.535	74.000	PEAK
2		7311.000	16.383	36.410	52.793	-21.207	74.000	PEAK
3		9748.000	22.127	29.480	51.608	-22.392	74.000	PEAK
4		12185.000	25.806	29.040	54.845	-19.155	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant0**

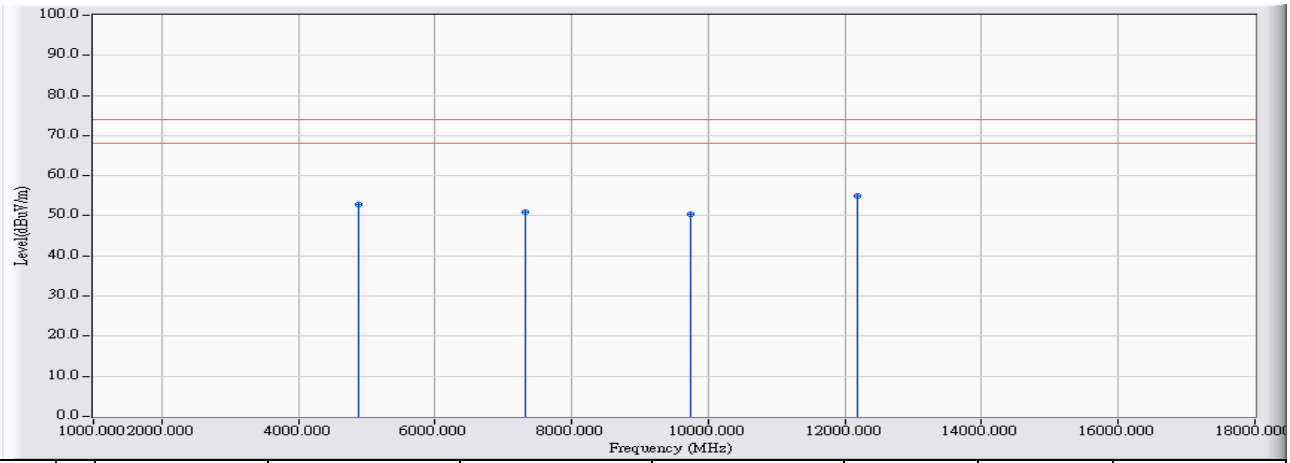


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.434	45.170	52.604	-1.396	54.000	AVERAGE
2		7311.000	16.387	25.470	41.857	-12.143	54.000	AVERAGE
3		9748.000	22.126	14.910	37.035	-16.965	54.000	AVERAGE
4		12185.000	25.806	15.260	41.065	-12.935	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant0**

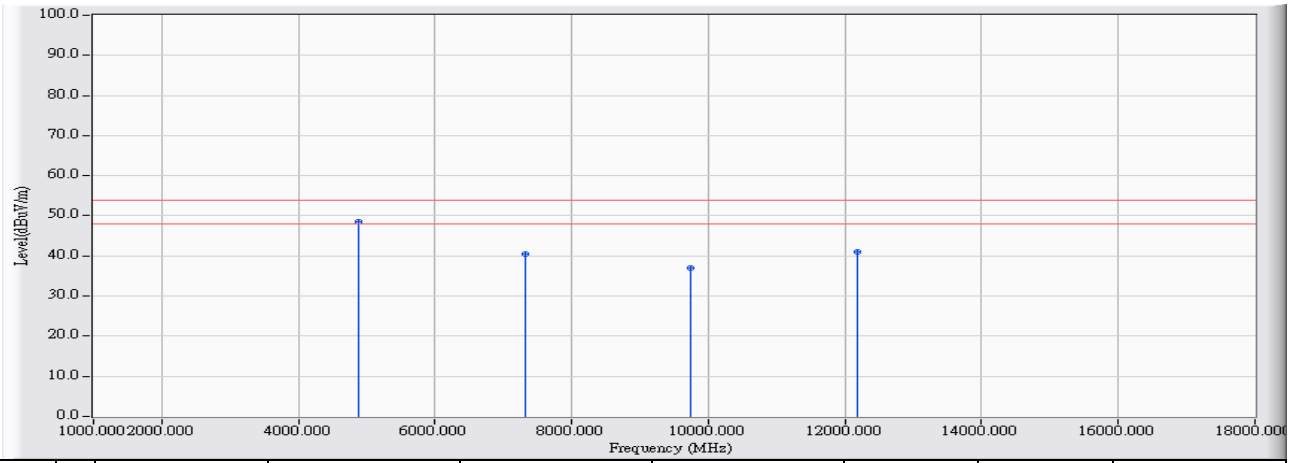


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	45.140	52.698	-21.302	74.000	PEAK
2		7311.000	16.387	34.660	51.047	-22.953	74.000	PEAK
3		9748.000	22.127	28.170	50.298	-23.702	74.000	PEAK
4	*	12185.000	25.809	29.130	54.939	-19.061	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant0**

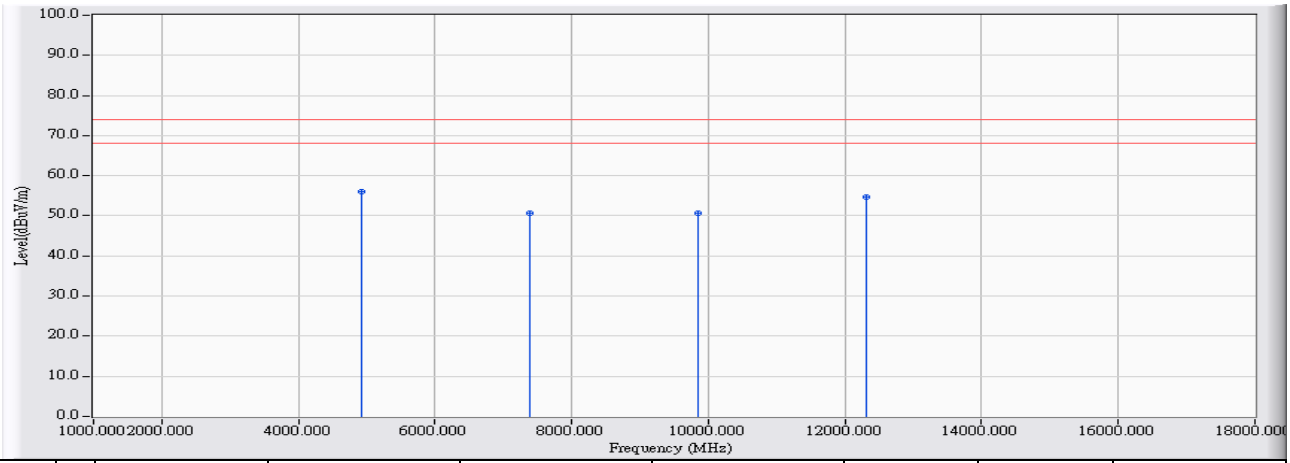


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	41.030	48.588	-5.412	54.000	AVERAGE
2		7311.000	16.383	24.080	40.463	-13.537	54.000	AVERAGE
3		9748.000	22.127	14.880	37.008	-16.992	54.000	AVERAGE
4		12185.000	25.801	15.260	41.062	-12.938	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant0**

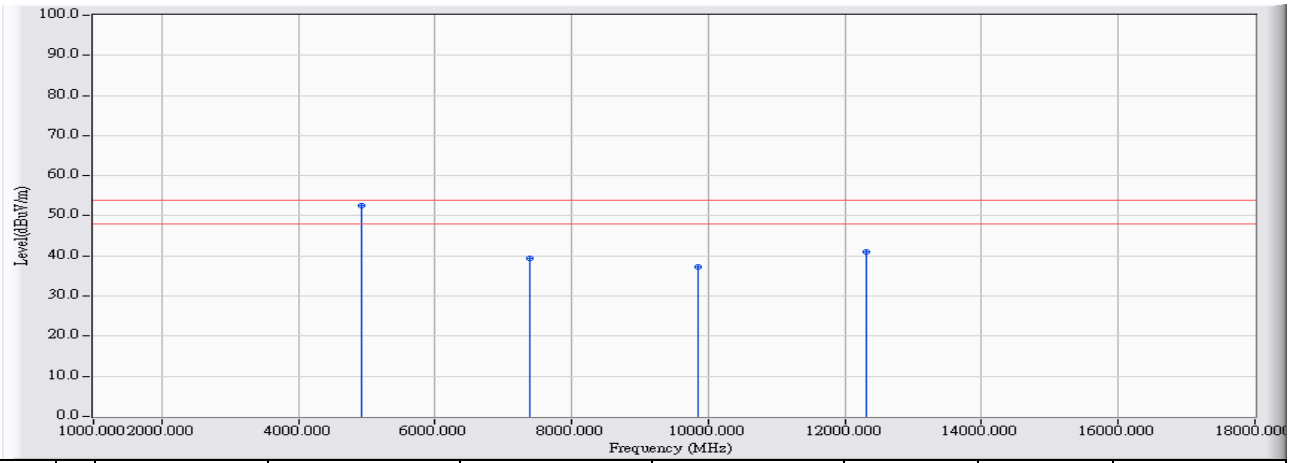


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	48.280	55.961	-18.039	74.000	PEAK
2		7386.000	16.718	33.910	50.628	-23.372	74.000	PEAK
3		9848.000	22.349	28.370	50.719	-23.281	74.000	PEAK
4		12310.000	25.569	29.140	54.710	-19.290	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant0**

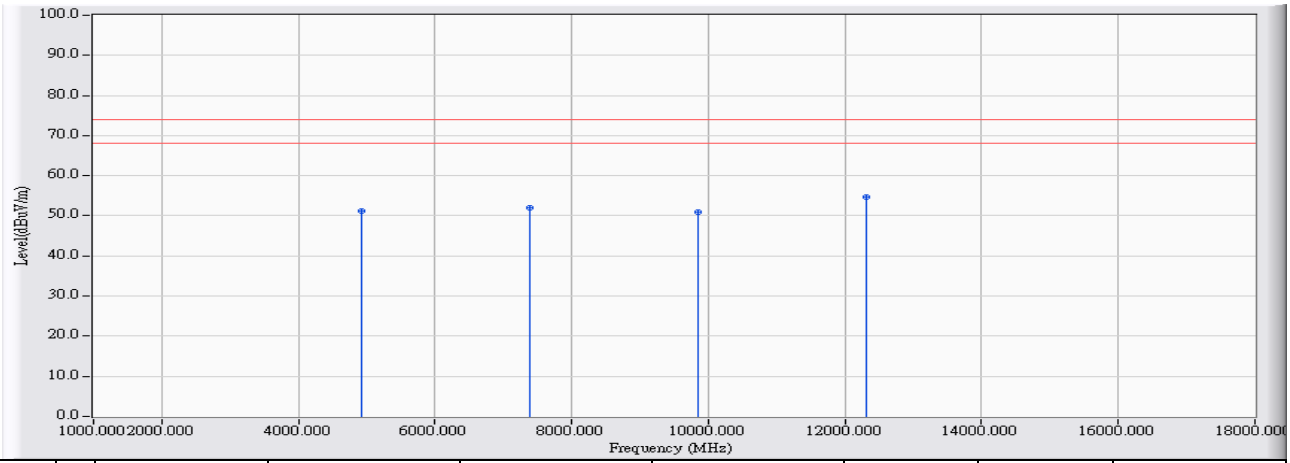


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.679	44.930	52.609	-1.391	54.000	AVERAGE
2		7386.000	16.709	22.810	39.519	-14.481	54.000	AVERAGE
3		9848.000	22.355	14.800	37.156	-16.844	54.000	AVERAGE
4		12310.000	25.569	15.580	41.150	-12.850	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant0**

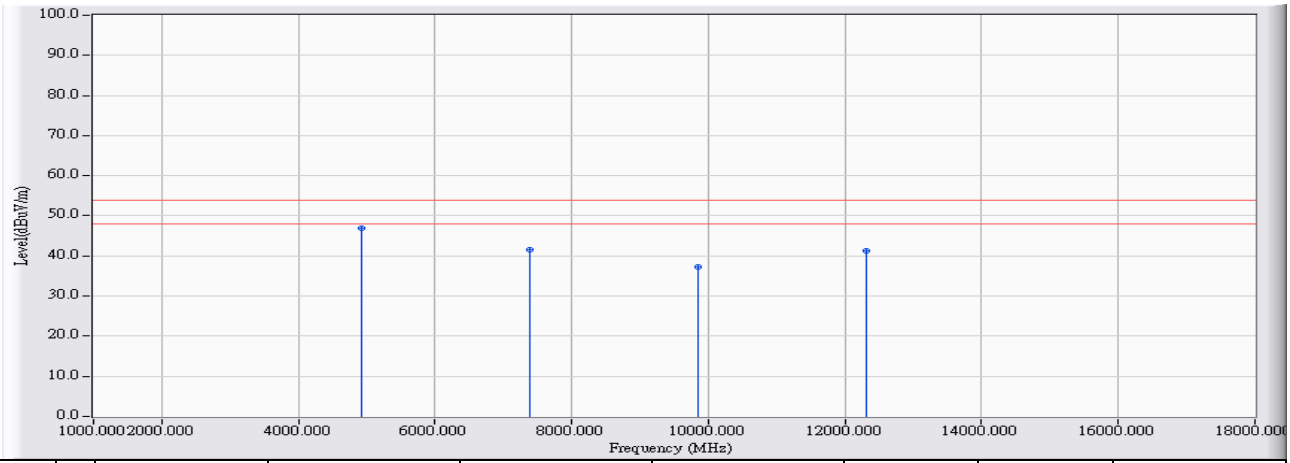


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.679	43.520	51.199	-22.801	74.000	PEAK
2		7386.000	16.705	35.310	52.015	-21.985	74.000	PEAK
3		9848.000	22.363	28.470	50.832	-23.168	74.000	PEAK
4	*	12310.000	25.565	29.020	54.584	-19.416	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant0**

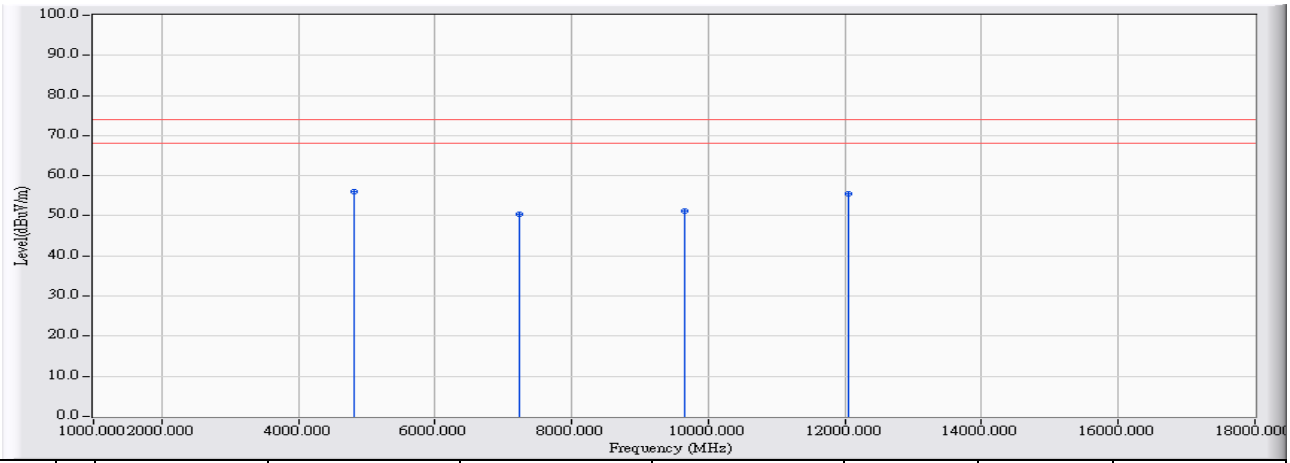


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	39.280	46.961	-7.039	54.000	AVERAGE
2		7386.000	16.709	24.920	41.629	-12.371	54.000	AVERAGE
3		9848.000	22.352	14.830	37.181	-16.819	54.000	AVERAGE
4		12310.000	25.566	15.600	41.166	-12.834	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant1**

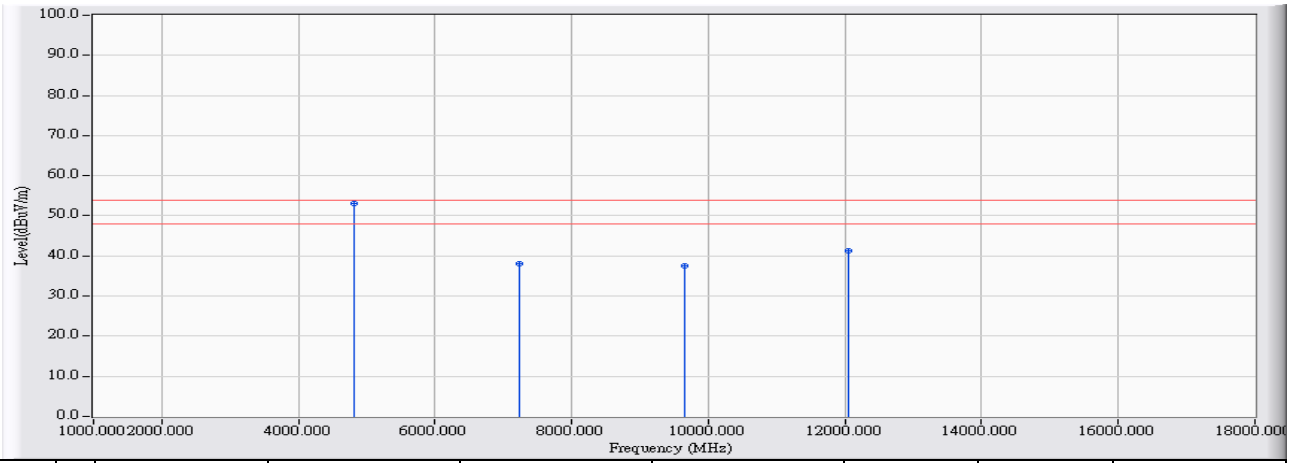


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	48.700	56.134	-17.866	74.000	PEAK
2		7236.000	16.051	34.430	50.481	-23.519	74.000	PEAK
3		9648.000	21.844	29.340	51.185	-22.815	74.000	PEAK
4		12060.000	26.039	29.390	55.429	-18.571	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant1**

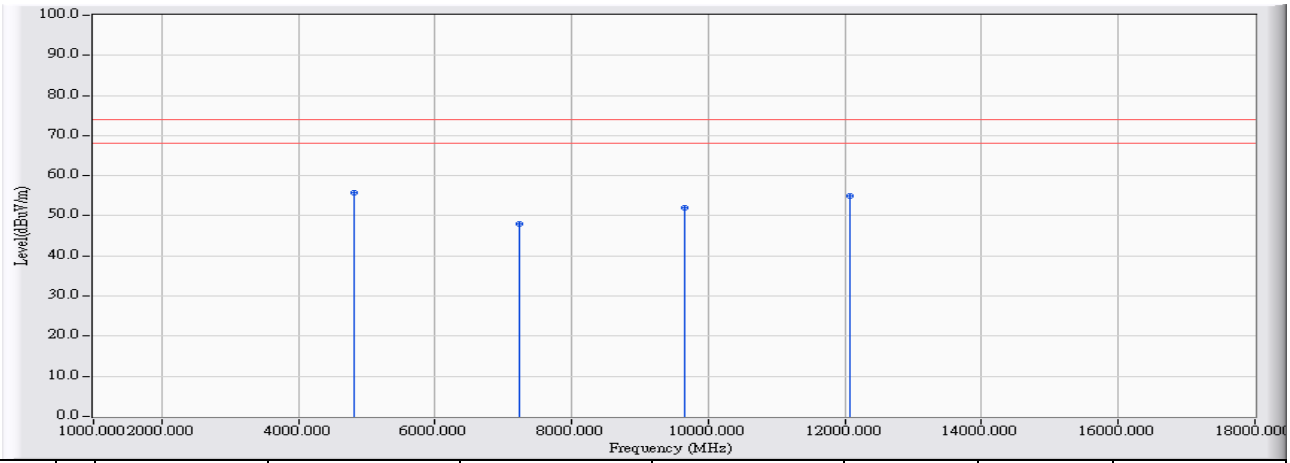


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	45.620	53.054	-0.946	54.000	AVERAGE
2		7236.000	16.055	21.930	37.986	-16.014	54.000	AVERAGE
3		9648.000	21.844	15.700	37.545	-16.455	54.000	AVERAGE
4		12060.000	26.039	15.270	41.309	-12.691	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant1**

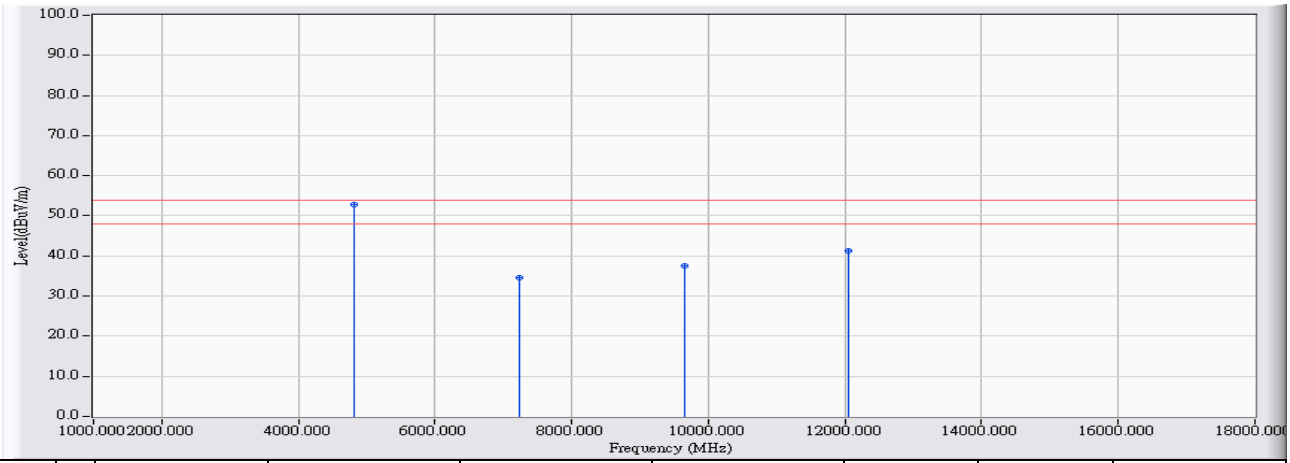


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	48.260	55.694	-18.306	74.000	PEAK
2		7236.000	16.061	32.030	48.091	-25.909	74.000	PEAK
3		9648.000	21.847	30.180	52.028	-21.972	74.000	PEAK
4		12060.000	26.036	28.830	54.867	-19.133	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2412MHz_Ant1**

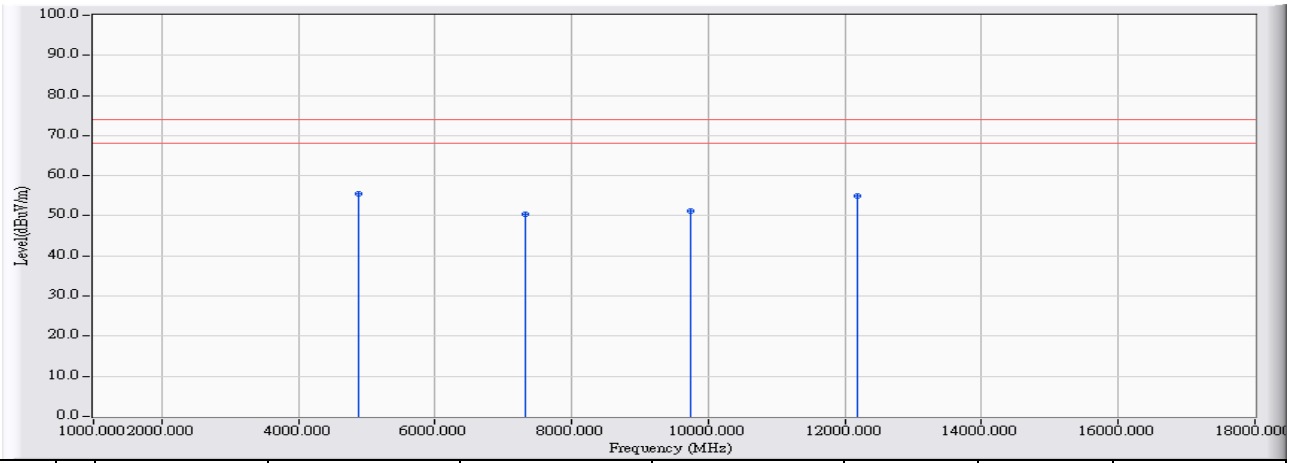


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	45.510	52.944	-1.056	54.000	AVERAGE
2		7236.000	16.051	18.520	34.571	-19.429	54.000	AVERAGE
3		9648.000	21.843	15.570	37.412	-16.588	54.000	AVERAGE
4		12060.000	26.039	15.280	41.319	-12.681	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant1**

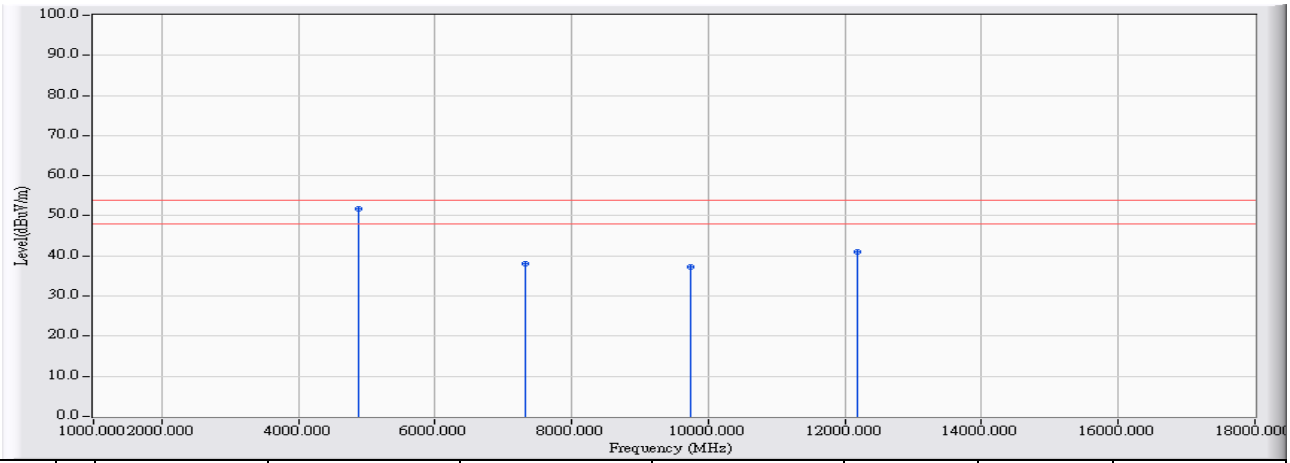


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.555	48.010	55.565	-18.435	74.000	PEAK
2		7311.000	16.383	34.070	50.453	-23.547	74.000	PEAK
3		9748.000	22.126	29.050	51.175	-22.825	74.000	PEAK
4		12185.000	25.806	29.060	54.865	-19.135	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant1**

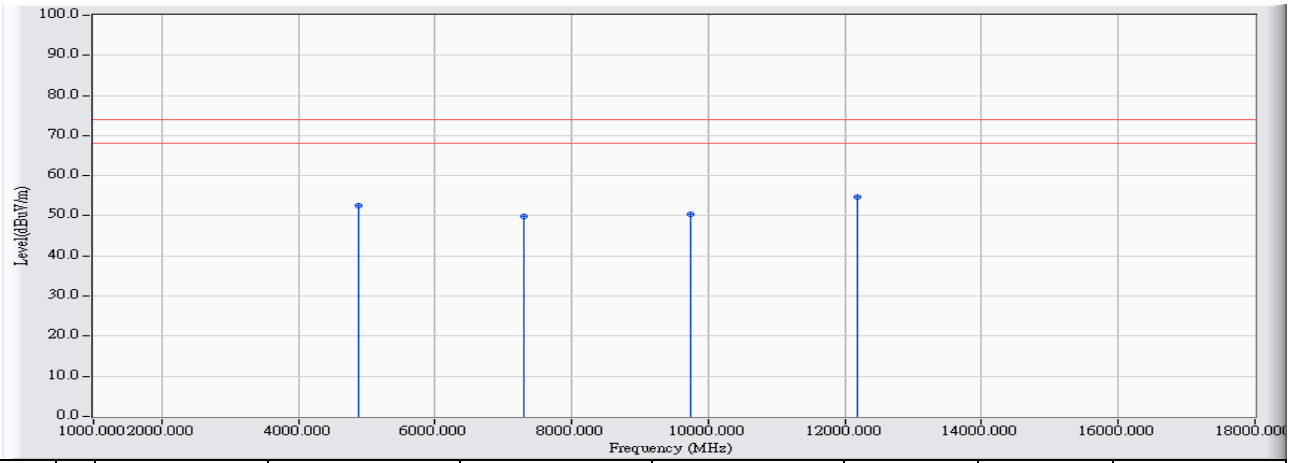


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	44.300	51.858	-2.142	54.000	AVERAGE
2		7311.000	16.387	21.710	38.097	-15.903	54.000	AVERAGE
3		9748.000	22.127	15.070	37.198	-16.802	54.000	AVERAGE
4		12185.000	25.806	15.240	41.045	-12.955	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant1**

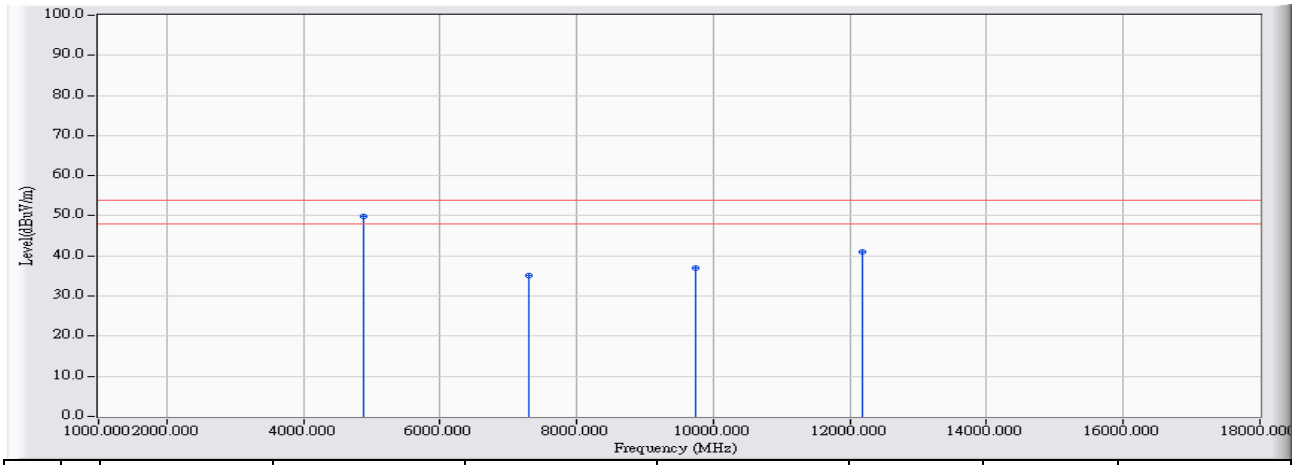


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	45.000	52.558	-21.442	74.000	PEAK
2		7311.000	16.374	33.490	49.864	-24.136	74.000	PEAK
3		9748.000	22.126	28.330	50.455	-23.545	74.000	PEAK
4	*	12185.000	25.801	28.830	54.632	-19.368	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2437MHz_Ant1**

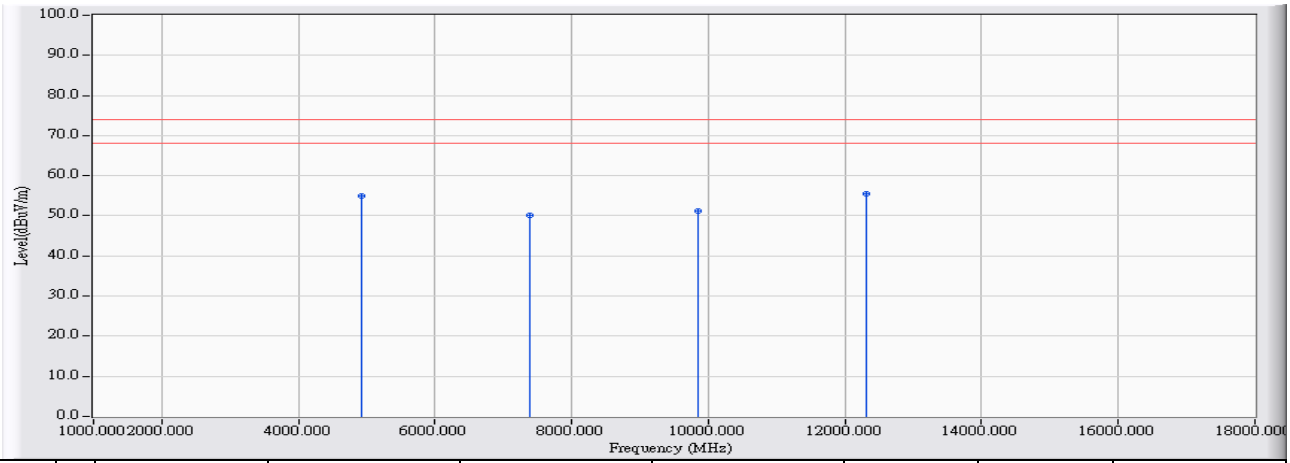


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	42.190	49.748	-4.252	54.000	AVERAGE
2		7311.000	16.379	18.620	34.999	-19.001	54.000	AVERAGE
3		9748.000	22.131	14.870	37.001	-16.999	54.000	AVERAGE
4		12185.000	25.807	15.240	41.047	-12.953	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant1**

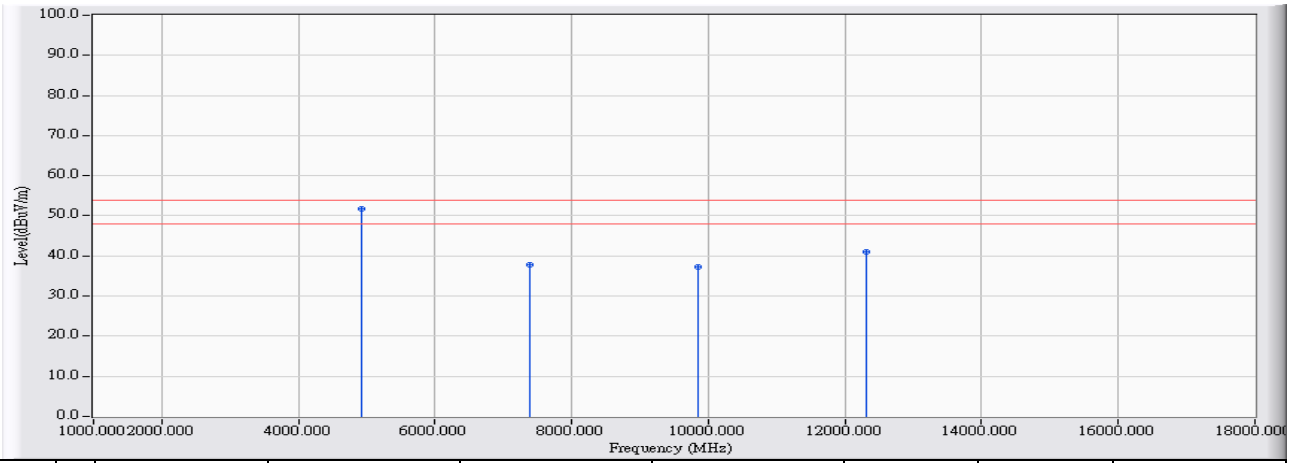


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	47.410	55.091	-18.909	74.000	PEAK
2		7386.000	16.705	33.420	50.125	-23.875	74.000	PEAK
3		9848.000	22.353	28.750	51.103	-22.897	74.000	PEAK
4	*	12310.000	25.572	29.920	55.492	-18.508	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant1**

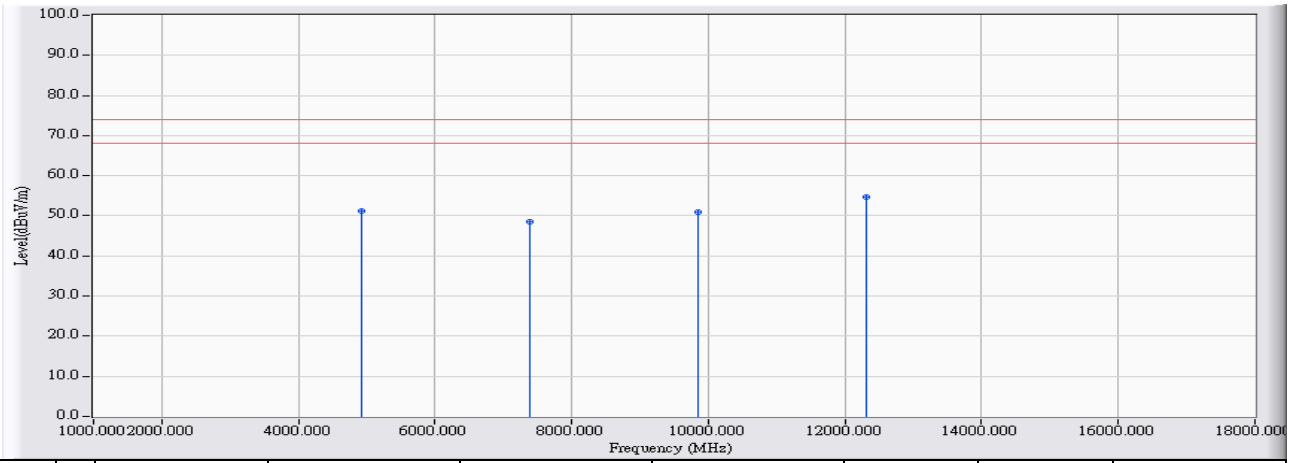


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	44.010	51.691	-2.309	54.000	AVERAGE
2		7386.000	16.712	21.190	37.903	-16.097	54.000	AVERAGE
3		9848.000	22.353	14.930	37.283	-16.717	54.000	AVERAGE
4		12310.000	25.572	15.560	41.132	-12.868	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant1**

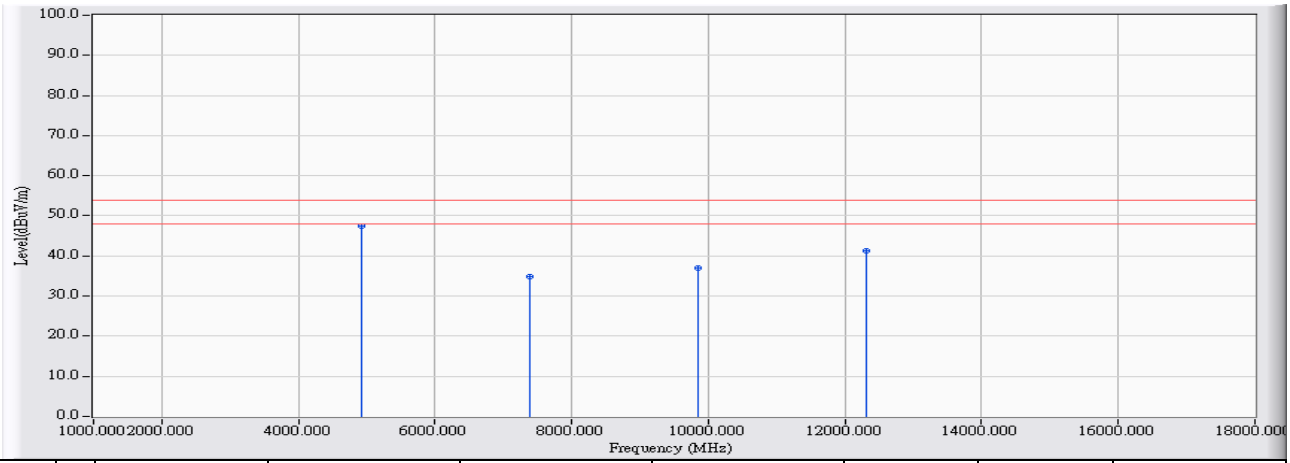


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	43.610	51.291	-22.709	74.000	PEAK
2		7386.000	16.709	31.770	48.479	-25.521	74.000	PEAK
3		9848.000	22.352	28.720	51.071	-22.929	74.000	PEAK
4	*	12310.000	25.576	29.210	54.785	-19.215	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11b_2462MHz_Ant1**

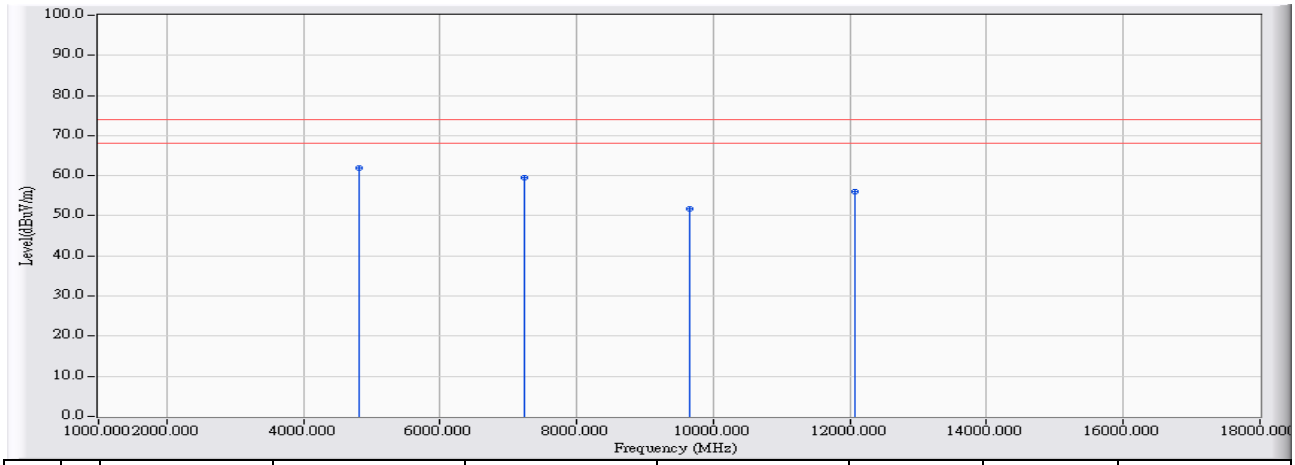


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	39.870	47.551	-6.449	54.000	AVERAGE
2		7386.000	16.709	18.020	34.729	-19.271	54.000	AVERAGE
3		9848.000	22.353	14.740	37.093	-16.907	54.000	AVERAGE
4		12310.000	25.577	15.590	41.167	-12.833	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant0**

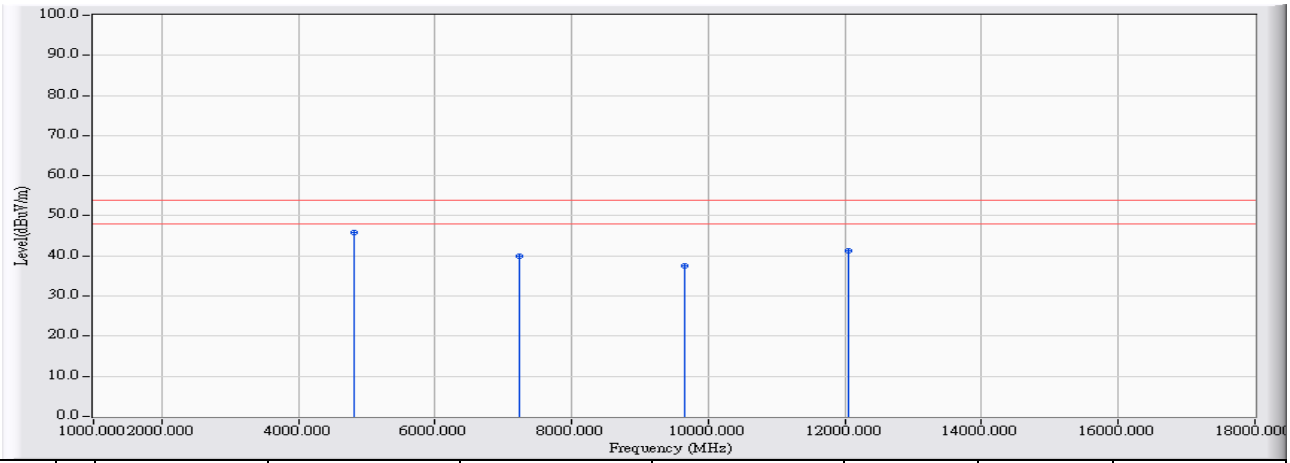


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	54.440	61.874	-12.126	74.000	PEAK
2		7236.000	16.071	43.510	59.580	-14.420	74.000	PEAK
3		9648.000	21.830	29.890	51.721	-22.279	74.000	PEAK
4		12060.000	26.033	29.880	55.913	-18.087	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant0**

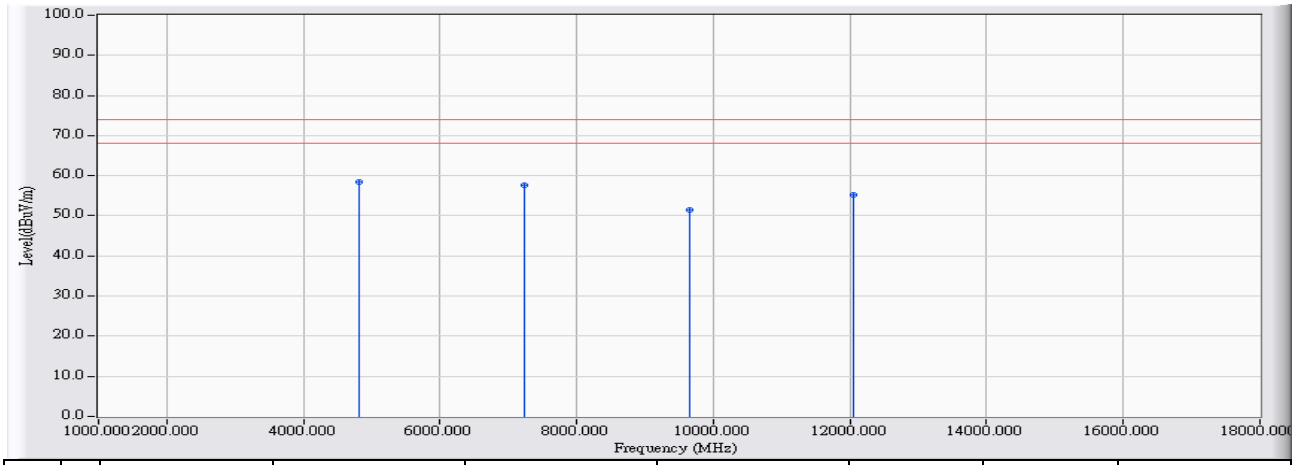


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	38.440	45.874	-8.126	54.000	AVERAGE
2		7236.000	16.055	23.780	39.836	-14.164	54.000	AVERAGE
3		9648.000	21.857	15.600	37.456	-16.544	54.000	AVERAGE
4		12060.000	26.048	15.350	41.398	-12.602	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant0**

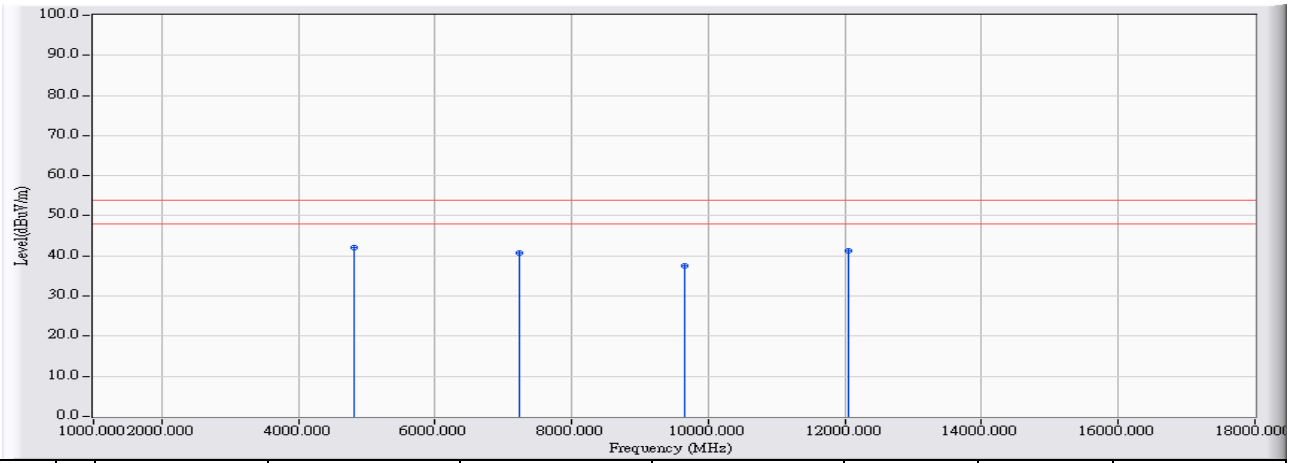


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	50.960	58.394	-15.606	74.000	PEAK
2		7236.000	16.061	41.600	57.661	-16.339	74.000	PEAK
3		9648.000	21.843	29.670	51.512	-22.488	74.000	PEAK
4		12060.000	26.039	29.060	55.099	-18.901	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant0**

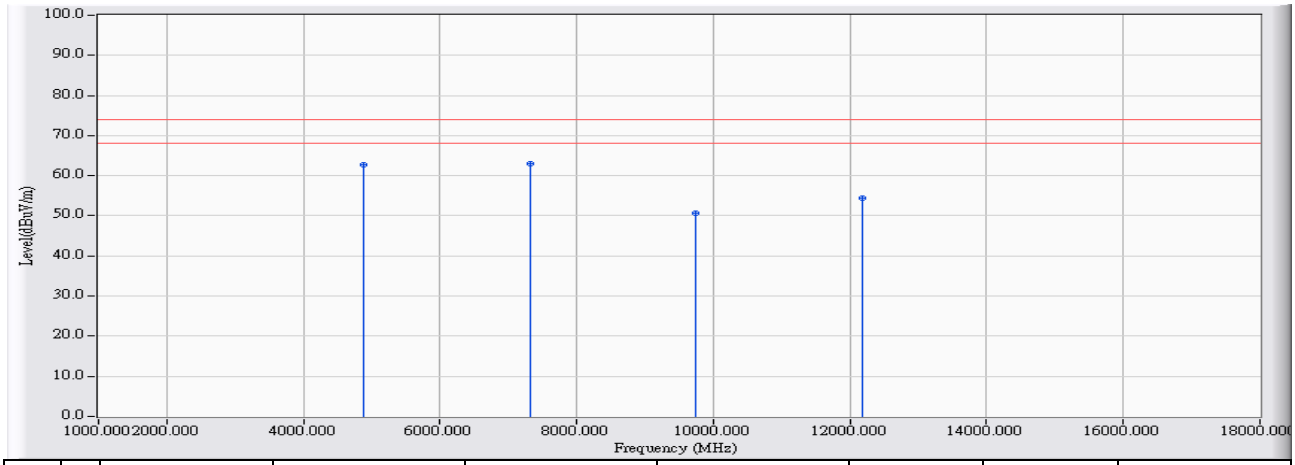


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	34.630	42.064	-11.936	54.000	AVERAGE
2		7236.000	16.055	24.620	40.676	-13.324	54.000	AVERAGE
3		9648.000	21.843	15.690	37.532	-16.468	54.000	AVERAGE
4		12060.000	26.039	15.320	41.359	-12.641	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant0**

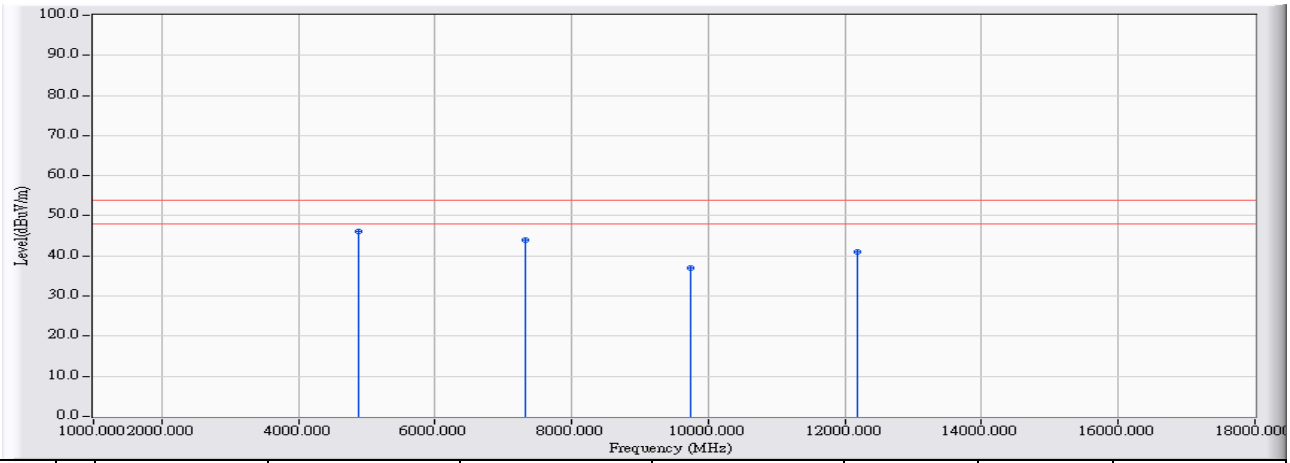


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	55.250	62.808	-11.192	74.000	PEAK
2	*	7311.000	16.396	46.640	63.036	-10.964	74.000	PEAK
3		9748.000	22.120	28.630	50.750	-23.250	74.000	PEAK
4		12185.000	25.809	28.680	54.489	-19.511	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant0**

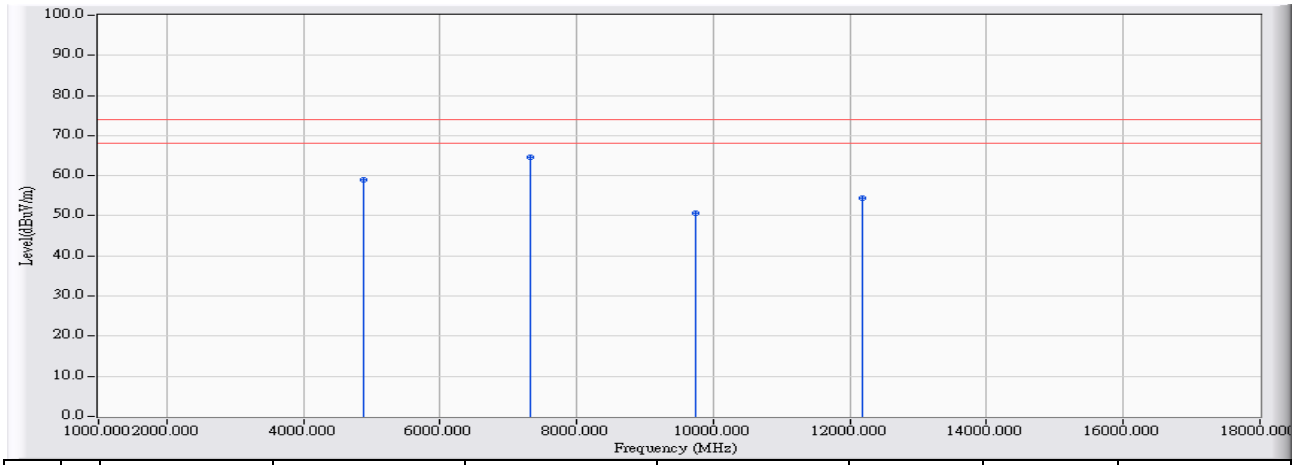


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	38.630	46.188	-7.812	54.000	AVERAGE
2		7311.000	16.383	27.670	44.053	-9.947	54.000	AVERAGE
3		9748.000	22.120	14.890	37.010	-16.990	54.000	AVERAGE
4		12185.000	25.810	15.290	41.101	-12.899	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant0**

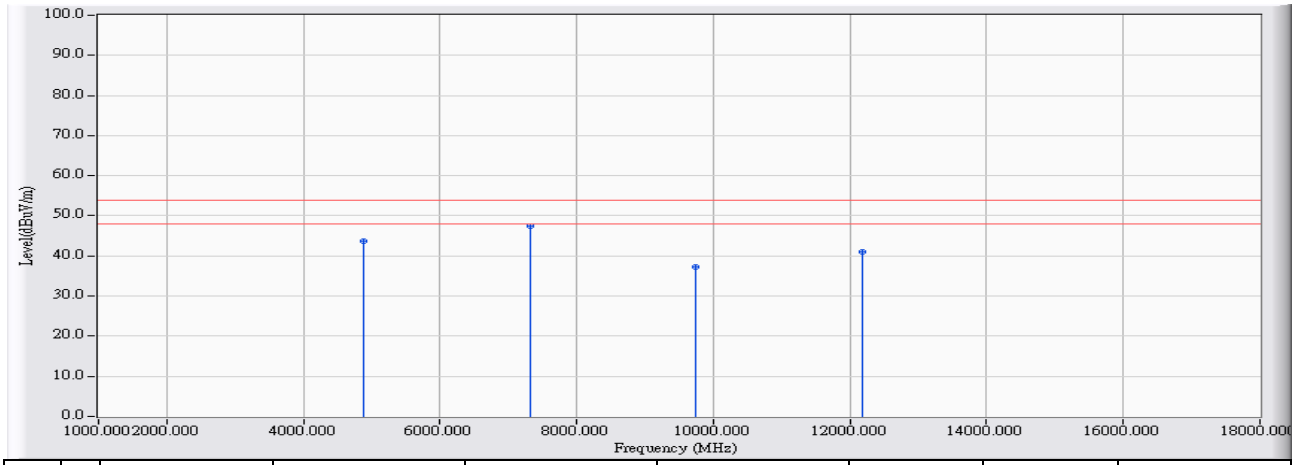


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.568	51.480	59.048	-14.952	74.000	PEAK
2	*	7311.000	16.387	48.250	64.637	-9.363	74.000	PEAK
3		9748.000	22.113	28.650	50.764	-23.236	74.000	PEAK
4		12185.000	25.809	28.720	54.529	-19.471	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant0**

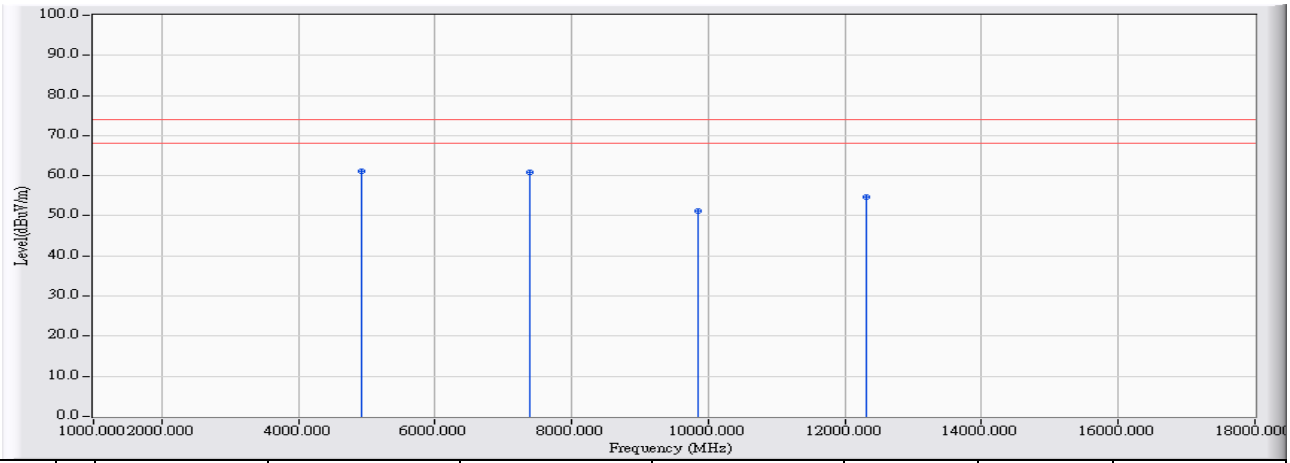


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	36.040	43.598	-10.402	54.000	AVERAGE
2	*	7311.000	16.387	31.120	47.507	-6.493	54.000	AVERAGE
3		9748.000	22.127	15.020	37.148	-16.852	54.000	AVERAGE
4		12185.000	25.810	15.320	41.131	-12.869	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant0**

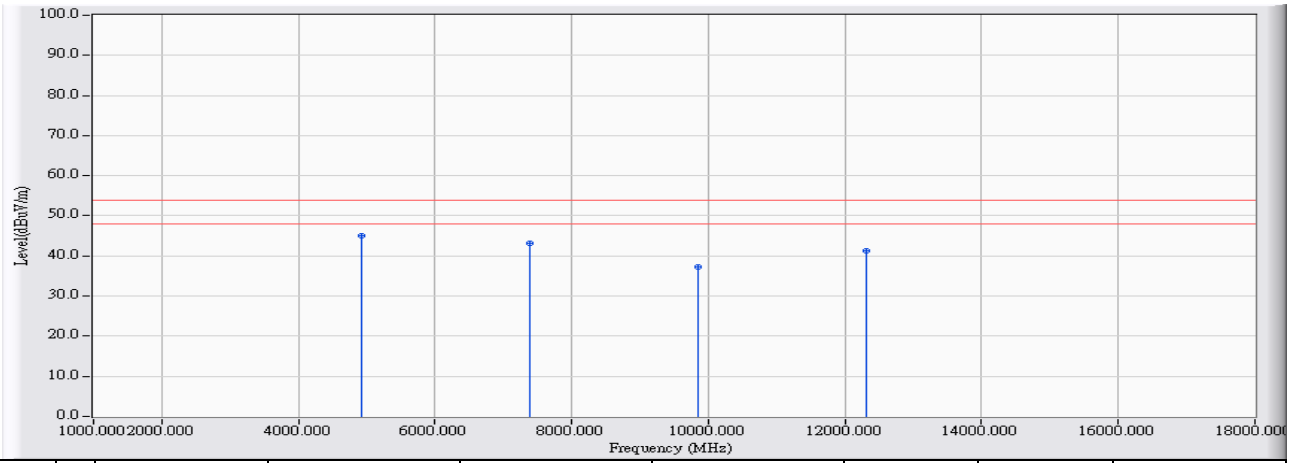


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	53.450	61.131	-12.869	74.000	PEAK
2		7386.000	16.712	44.070	60.783	-13.217	74.000	PEAK
3		9848.000	22.347	28.860	51.207	-22.793	74.000	PEAK
4		12310.000	25.568	29.200	54.768	-19.232	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant0**

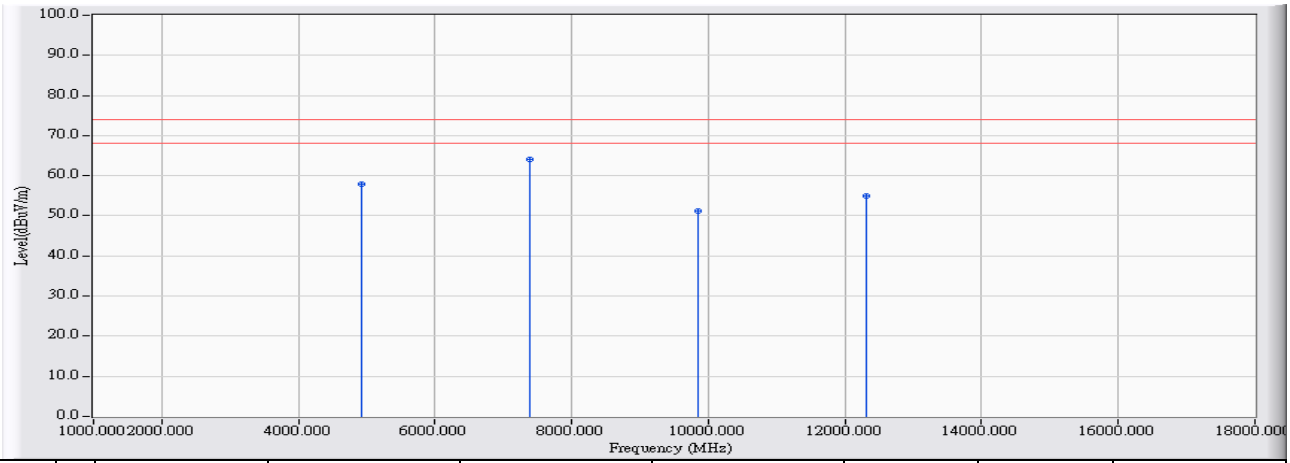


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	37.480	45.161	-8.839	54.000	AVERAGE
2		7386.000	16.712	26.430	43.143	-10.857	54.000	AVERAGE
3		9848.000	22.363	14.840	37.202	-16.798	54.000	AVERAGE
4		12310.000	25.565	15.650	41.214	-12.786	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant0**

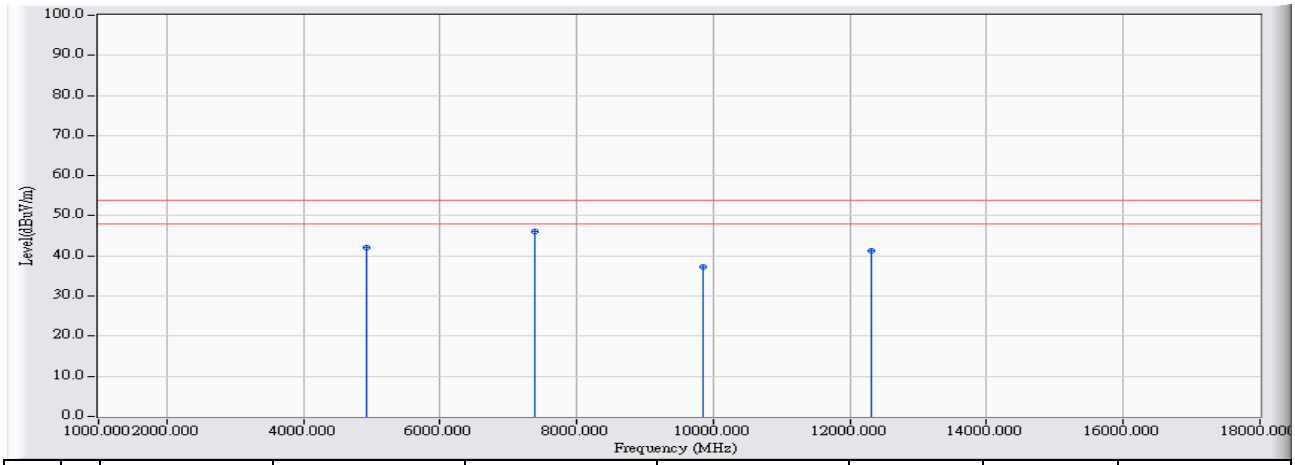


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	50.300	57.981	-16.019	74.000	PEAK
2	*	7386.000	16.700	47.310	64.010	-9.990	74.000	PEAK
3		9848.000	22.360	28.750	51.110	-22.890	74.000	PEAK
4		12310.000	25.566	29.420	54.986	-19.014	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant0**

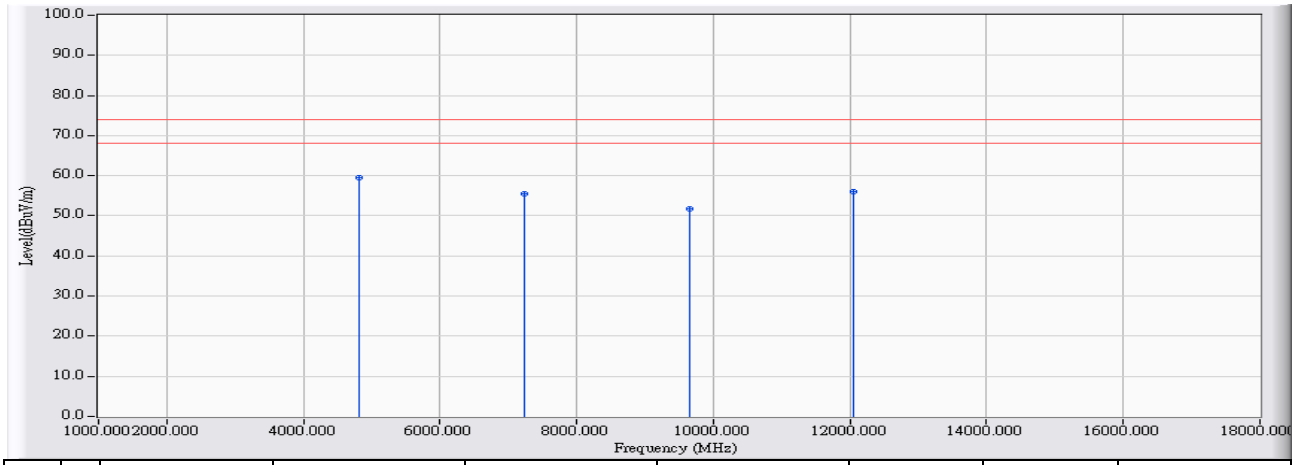


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	34.470	42.151	-11.849	54.000	AVERAGE
2	*	7386.000	16.712	29.380	46.093	-7.907	54.000	AVERAGE
3		9848.000	22.363	14.890	37.252	-16.748	54.000	AVERAGE
4		12310.000	25.565	15.600	41.164	-12.836	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant1**

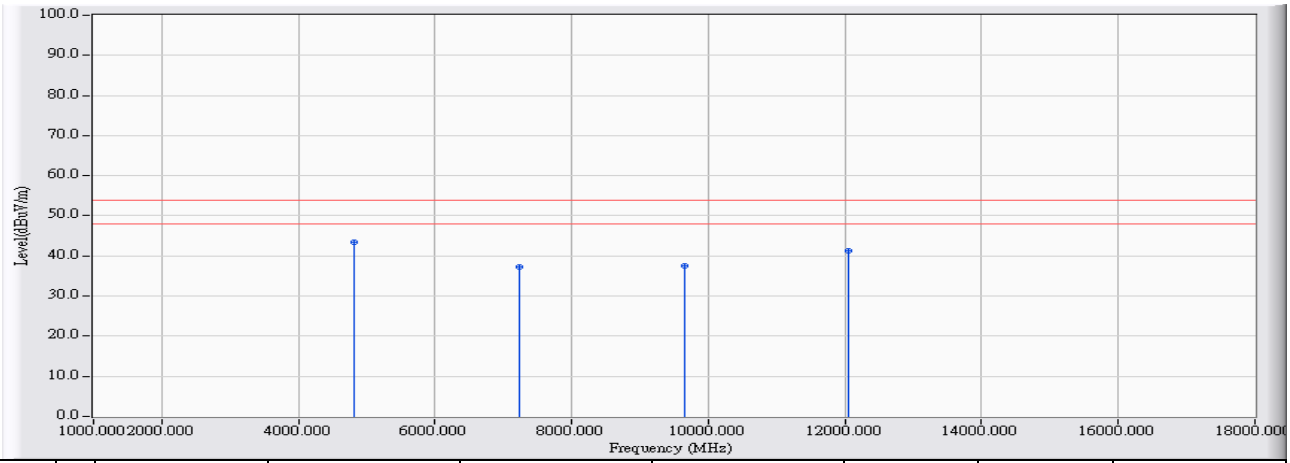


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	52.060	59.494	-14.506	74.000	PEAK
2		7236.000	16.031	39.380	55.412	-18.588	74.000	PEAK
3		9648.000	21.837	29.810	51.647	-22.353	74.000	PEAK
4		12060.000	26.039	30.040	56.079	-17.921	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant1**

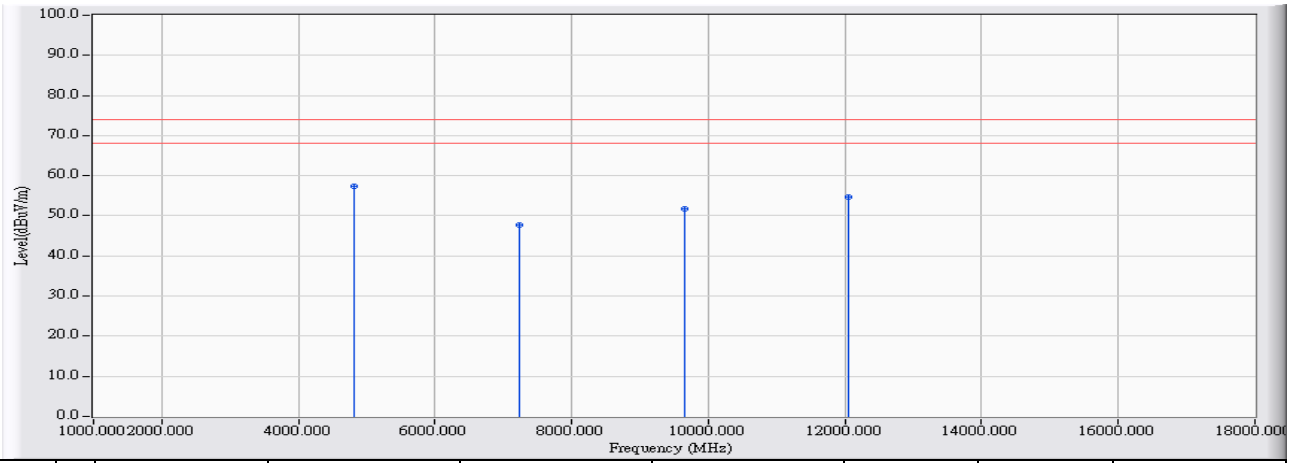


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	36.000	43.434	-10.566	54.000	AVERAGE
2		7236.000	16.051	21.200	37.251	-16.749	54.000	AVERAGE
3		9648.000	21.854	15.690	37.544	-16.456	54.000	AVERAGE
4		12060.000	26.039	15.310	41.349	-12.651	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant1**

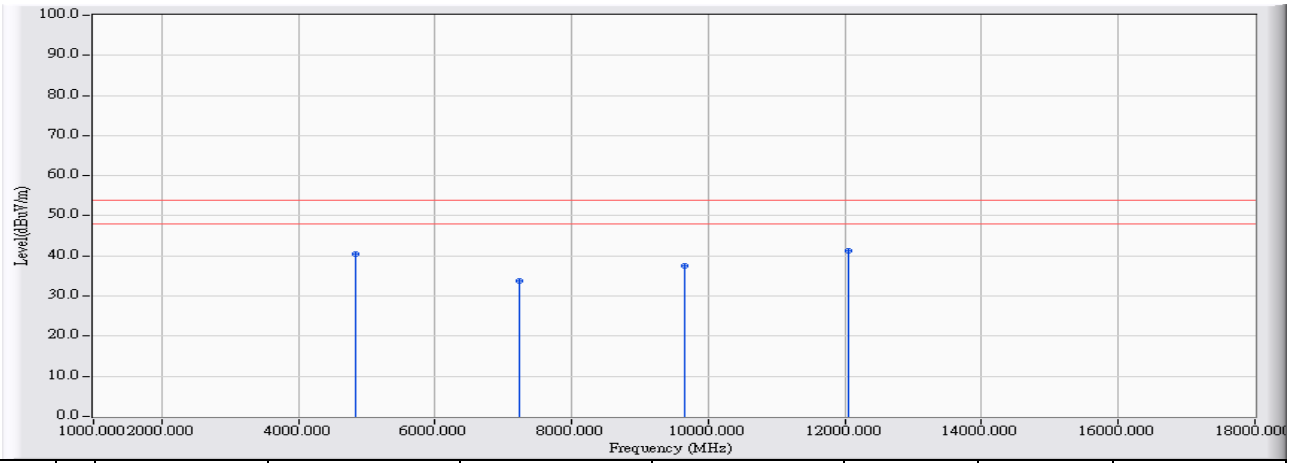


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	7.434	49.810	57.244	-16.756	74.000	PEAK
2		7236.000	16.055	31.650	47.706	-26.294	74.000	PEAK
3		9648.000	21.844	29.910	51.755	-22.245	74.000	PEAK
4		12060.000	26.039	28.540	54.579	-19.421	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2412MHz_Ant1**

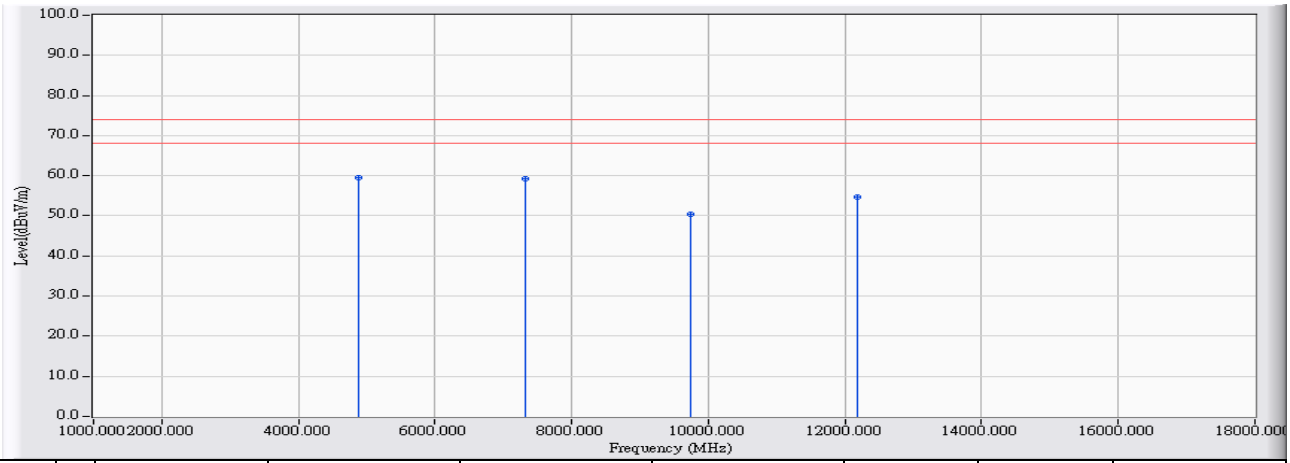


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	7.436	32.940	40.377	-13.623	54.000	AVERAGE
2		7236.000	16.055	17.730	33.786	-20.214	54.000	AVERAGE
3		9648.000	21.844	15.640	37.485	-16.515	54.000	AVERAGE
4	*	12060.000	26.039	15.330	41.369	-12.631	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant1**

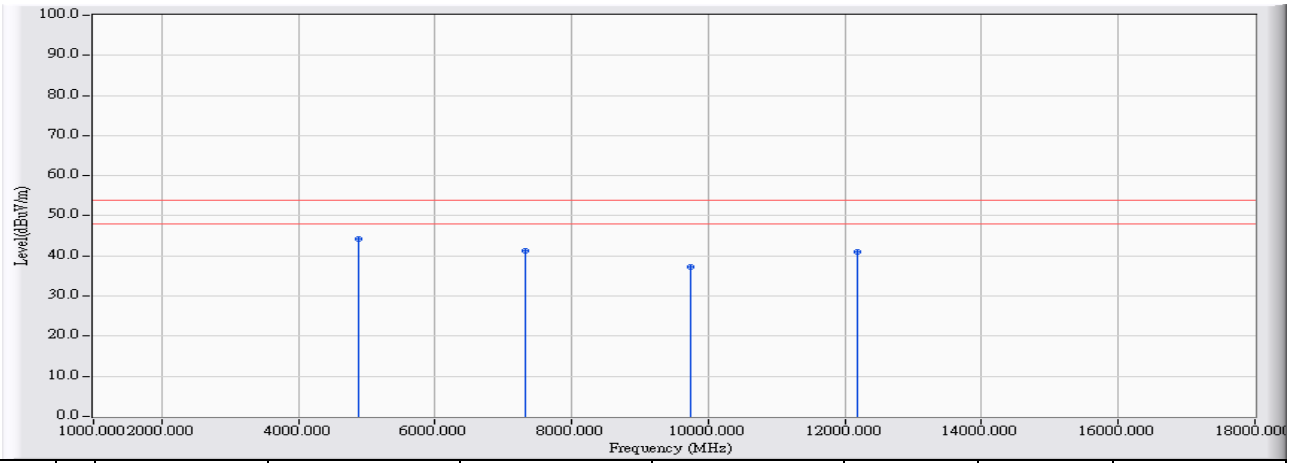


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	52.030	59.588	-14.412	74.000	PEAK
2		7311.000	16.387	42.950	59.337	-14.663	74.000	PEAK
3		9748.000	22.120	28.330	50.450	-23.550	74.000	PEAK
4		12185.000	25.803	28.980	54.783	-19.217	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant1**

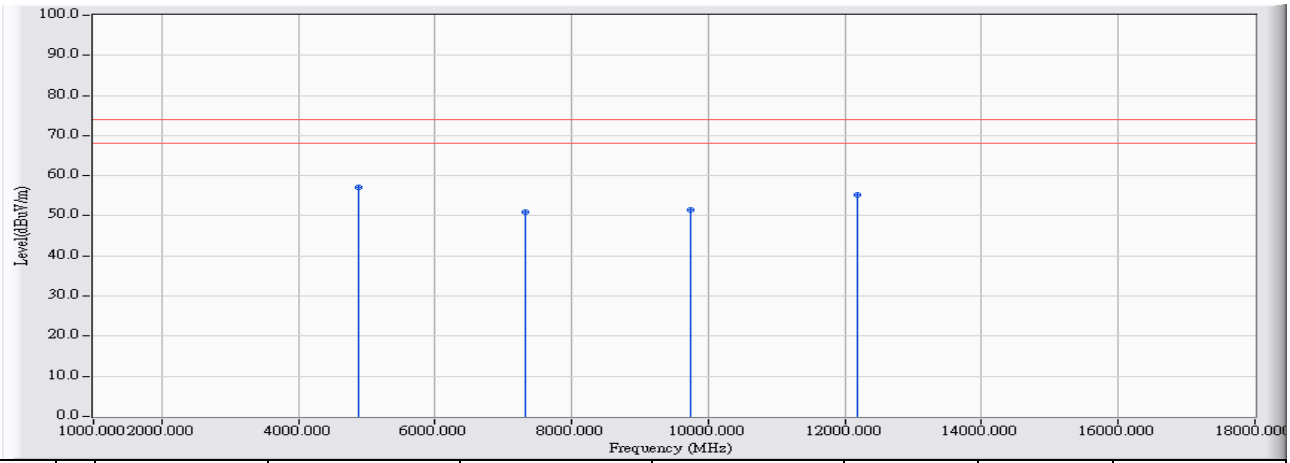


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	36.550	44.108	-9.892	54.000	AVERAGE
2		7311.000	16.387	24.880	41.267	-12.733	54.000	AVERAGE
3		9748.000	22.120	15.100	37.220	-16.780	54.000	AVERAGE
4		12185.000	25.807	15.290	41.097	-12.903	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant1**

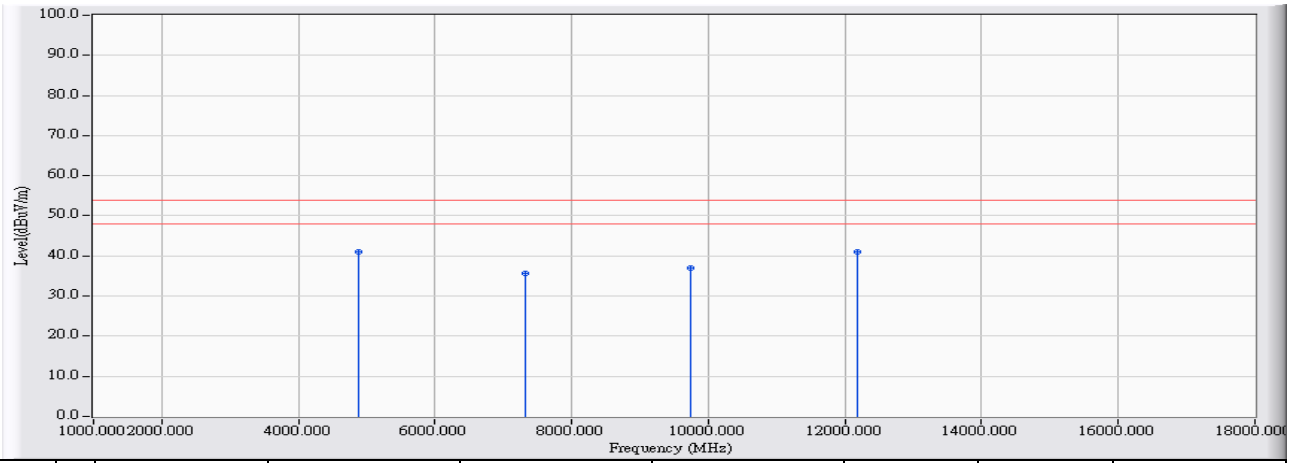


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	49.500	57.058	-16.942	74.000	PEAK
2		7311.000	16.387	34.420	50.807	-23.193	74.000	PEAK
3		9748.000	22.127	29.380	51.508	-22.492	74.000	PEAK
4		12185.000	25.803	29.510	55.313	-18.687	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2437MHz_Ant1**

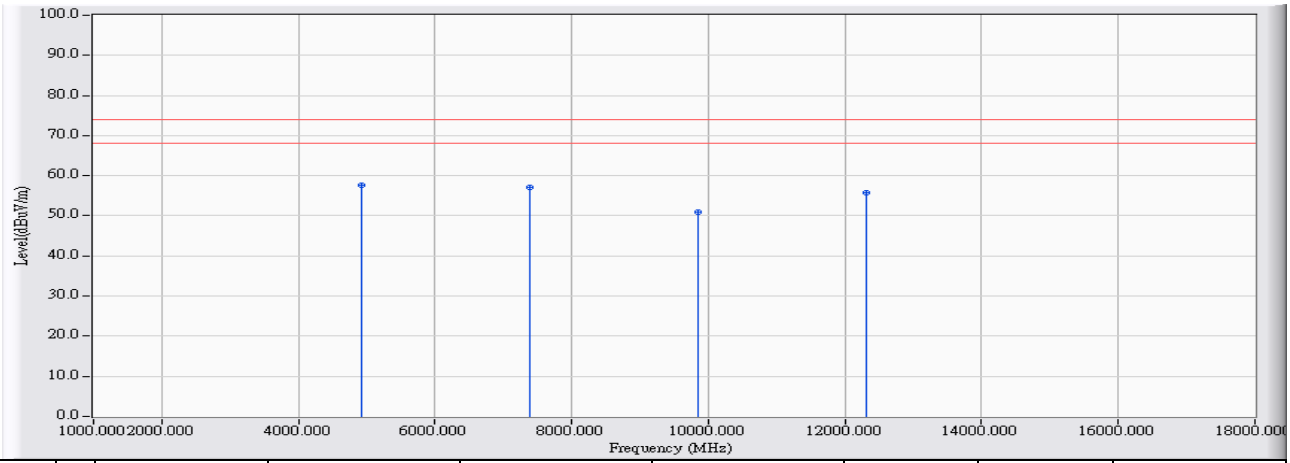


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	7.558	33.560	41.118	-12.882	54.000	AVERAGE
2		7311.000	16.387	19.220	35.607	-18.393	54.000	AVERAGE
3		9748.000	22.127	14.910	37.038	-16.962	54.000	AVERAGE
4		12185.000	25.803	15.290	41.093	-12.907	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant1**

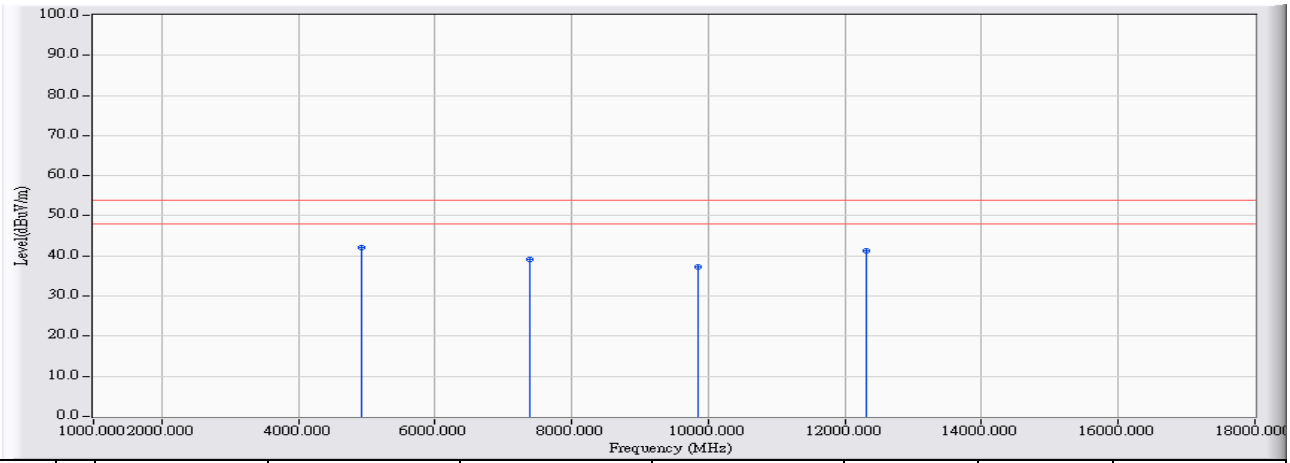


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	49.890	57.571	-16.429	74.000	PEAK
2		7386.000	16.709	40.470	57.179	-16.821	74.000	PEAK
3		9848.000	22.349	28.550	50.899	-23.101	74.000	PEAK
4		12310.000	25.577	30.300	55.877	-18.123	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant1**

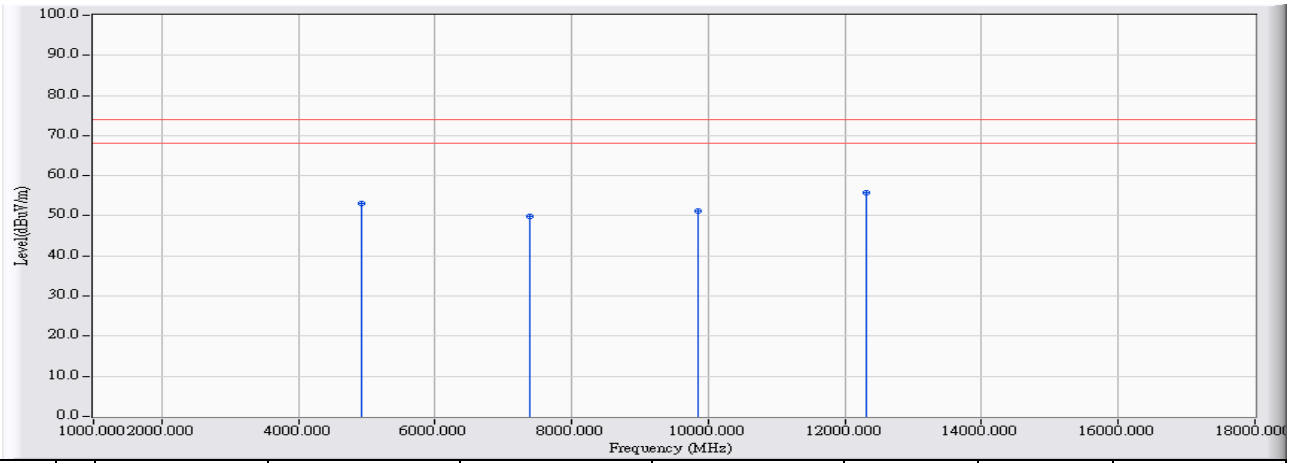


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	7.681	34.300	41.981	-12.019	54.000	AVERAGE
2		7386.000	16.709	22.330	39.039	-14.961	54.000	AVERAGE
3		9848.000	22.355	14.870	37.226	-16.774	54.000	AVERAGE
4		12310.000	25.568	15.630	41.198	-12.802	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant1**

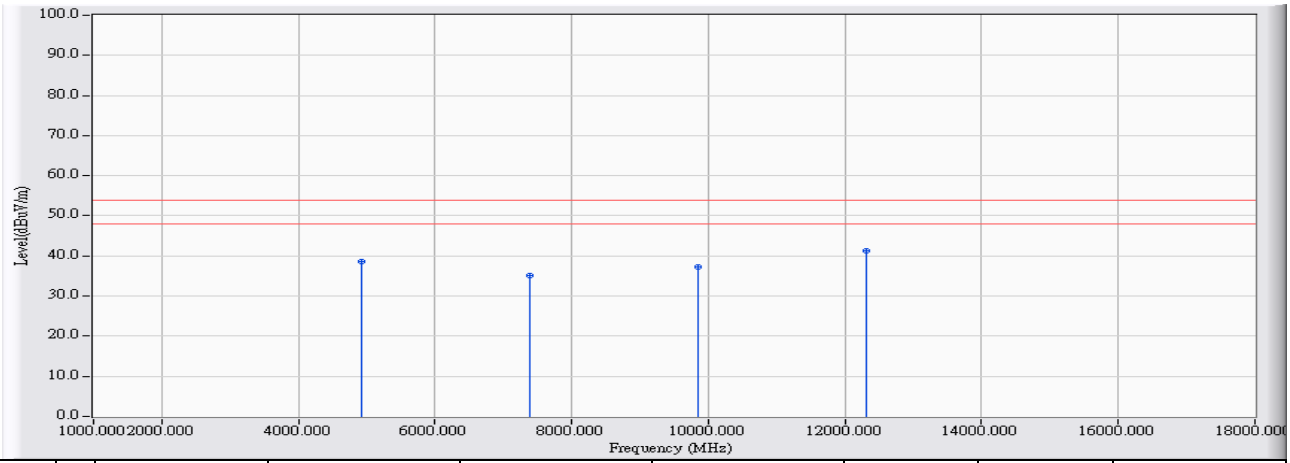


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	45.390	53.071	-20.929	74.000	PEAK
2		7386.000	16.712	33.240	49.953	-24.047	74.000	PEAK
3		9848.000	22.353	28.810	51.163	-22.837	74.000	PEAK
4	*	12310.000	25.572	30.300	55.872	-18.128	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 1: Tx_SISO Mode_802.11g_2462MHz_Ant1**

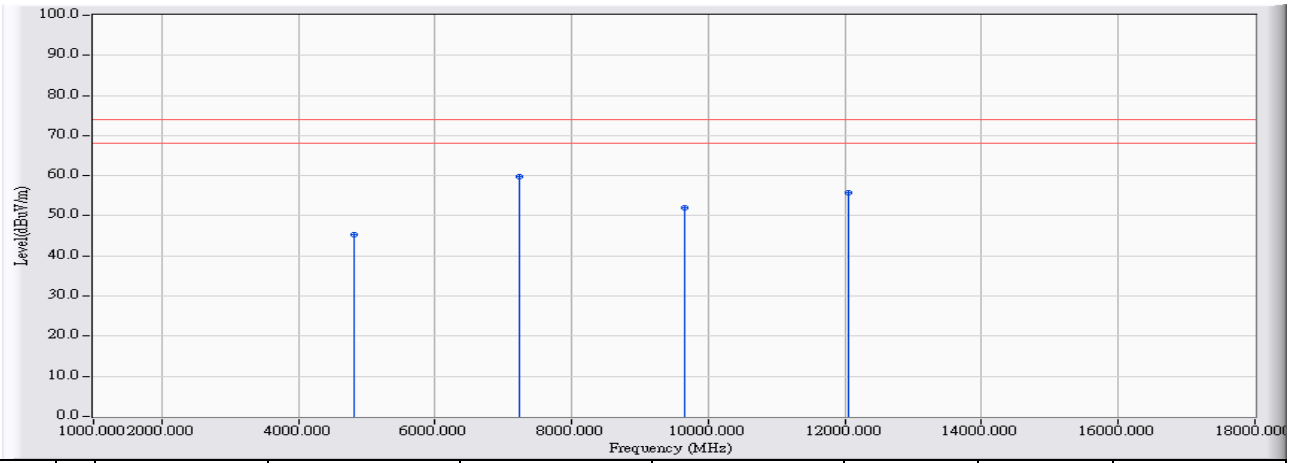


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	31.050	38.731	-15.269	54.000	AVERAGE
2		7386.000	16.712	18.300	35.013	-18.987	54.000	AVERAGE
3		9848.000	22.353	14.830	37.183	-16.817	54.000	AVERAGE
4	*	12310.000	25.572	15.630	41.202	-12.798	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2412MHz**

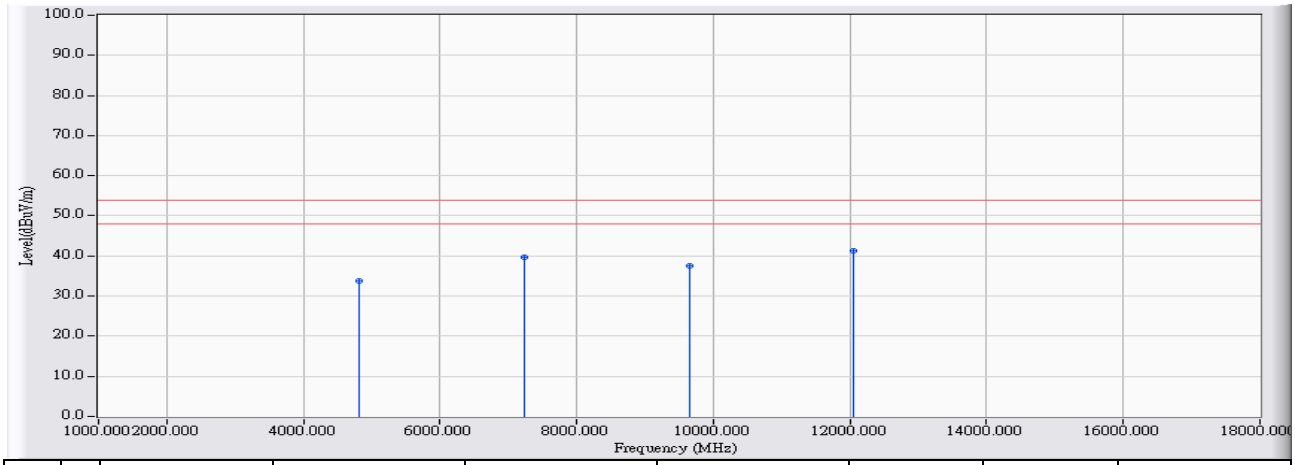


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	7.434	37.860	45.294	-28.706	74.000	PEAK
2	*	7236.000	16.055	43.740	59.796	-14.204	74.000	PEAK
3		9648.000	21.844	30.070	51.915	-22.085	74.000	PEAK
4		12060.000	26.039	29.690	55.729	-18.271	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2412MHz**

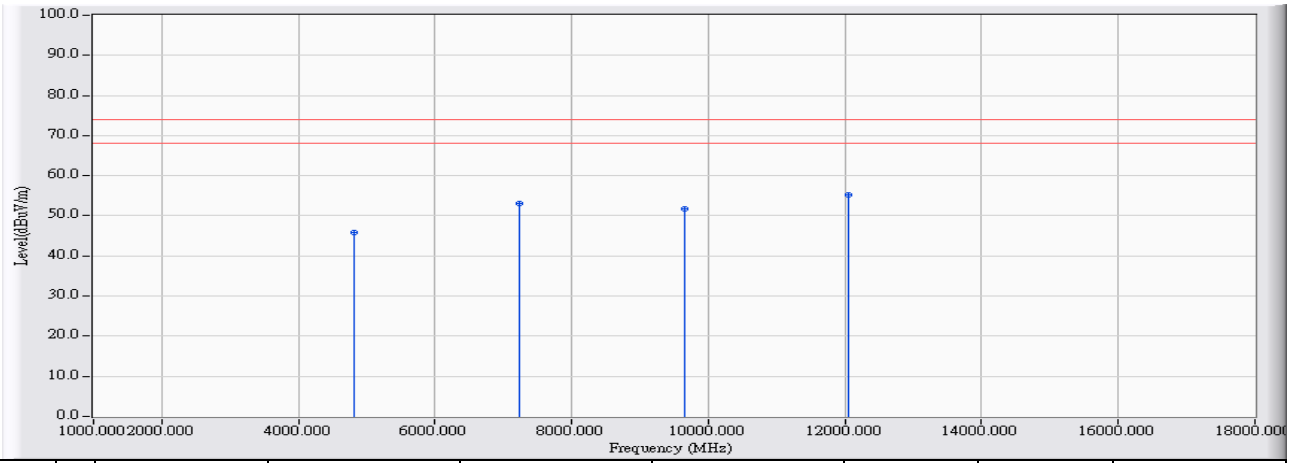


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	7.434	26.470	33.904	-20.096	54.000	AVERAGE
2		7236.000	16.055	23.630	39.686	-14.314	54.000	AVERAGE
3		9648.000	21.844	15.670	37.515	-16.485	54.000	AVERAGE
4	*	12060.000	26.039	15.300	41.339	-12.661	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2412MHz**

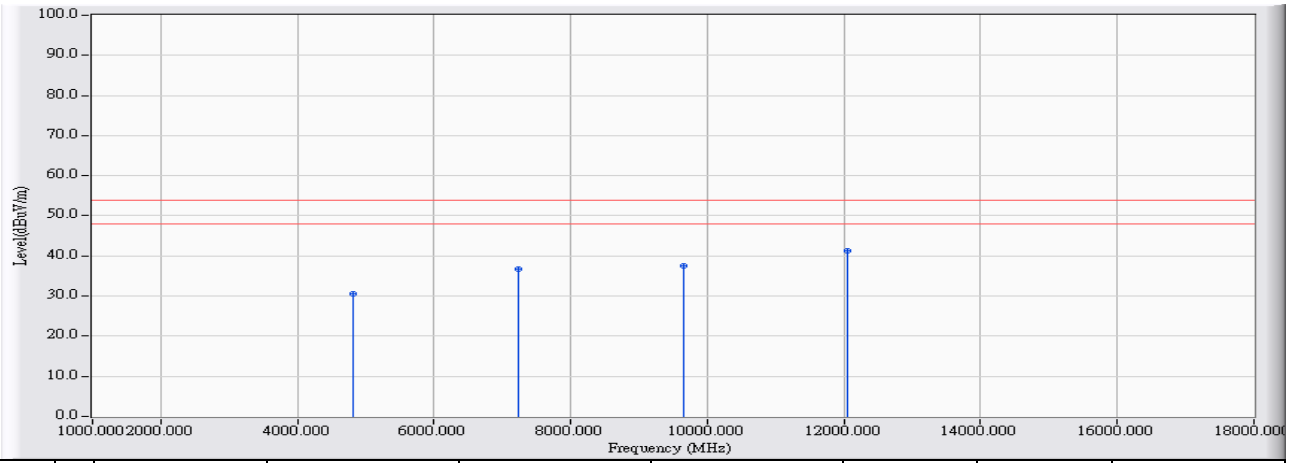


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	7.434	38.490	45.924	-28.076	74.000	PEAK
2		7236.000	16.055	37.100	53.156	-20.844	74.000	PEAK
3		9648.000	21.844	29.810	51.655	-22.345	74.000	PEAK
4	*	12060.000	26.039	29.090	55.129	-18.871	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2412MHz**

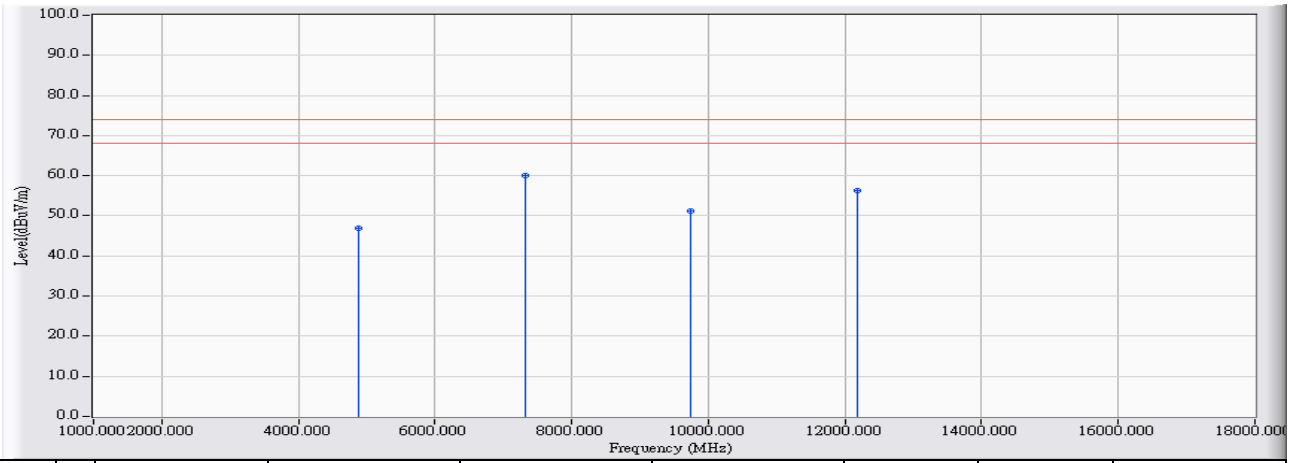


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	7.434	23.110	30.544	-23.456	54.000	AVERAGE
2		7236.000	16.055	20.660	36.716	-17.284	54.000	AVERAGE
3		9648.000	21.844	15.630	37.475	-16.525	54.000	AVERAGE
4	*	12060.000	26.039	15.320	41.359	-12.641	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2437MHz**

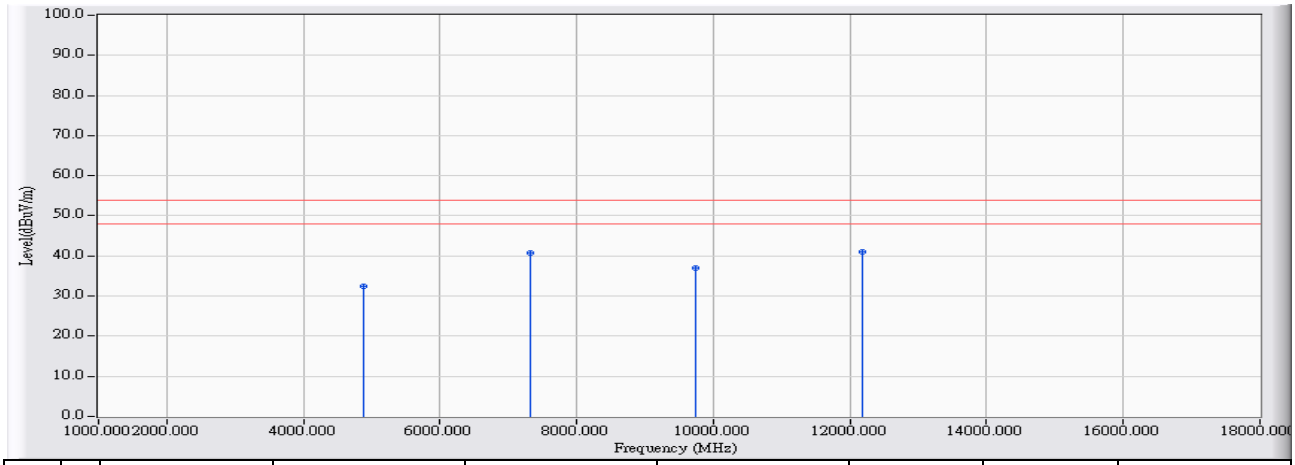


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	39.460	47.018	-26.982	74.000	PEAK
2	*	7311.000	16.387	43.670	60.057	-13.943	74.000	PEAK
3		9748.000	22.127	28.970	51.098	-22.902	74.000	PEAK
4		12185.000	25.803	30.440	56.243	-17.757	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2437MHz**

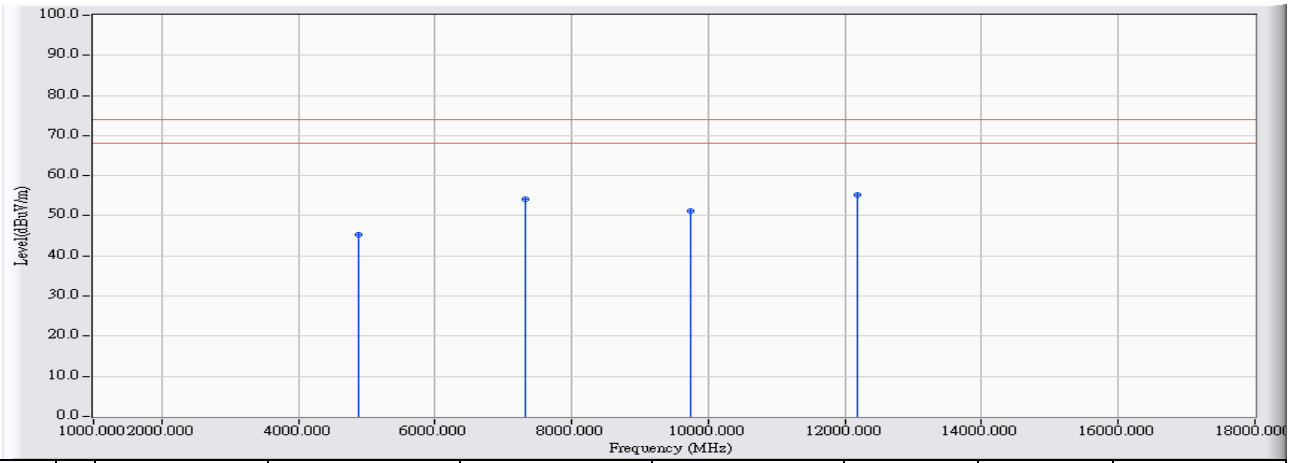


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	24.920	32.478	-21.522	54.000	AVERAGE
2		7311.000	16.387	24.380	40.767	-13.233	54.000	AVERAGE
3		9748.000	22.127	14.930	37.058	-16.942	54.000	AVERAGE
4	*	12185.000	25.803	15.310	41.113	-12.887	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2437MHz**

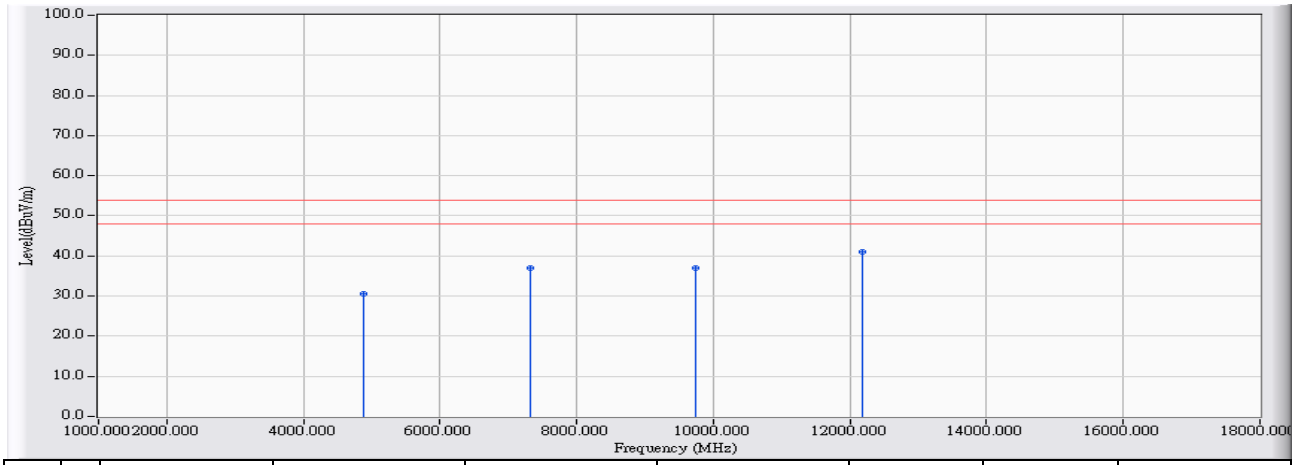


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	37.730	45.288	-28.712	74.000	PEAK
2		7311.000	16.387	37.730	54.117	-19.883	74.000	PEAK
3		9748.000	22.127	29.100	51.228	-22.772	74.000	PEAK
4	*	12185.000	25.803	29.330	55.133	-18.867	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2437MHz**

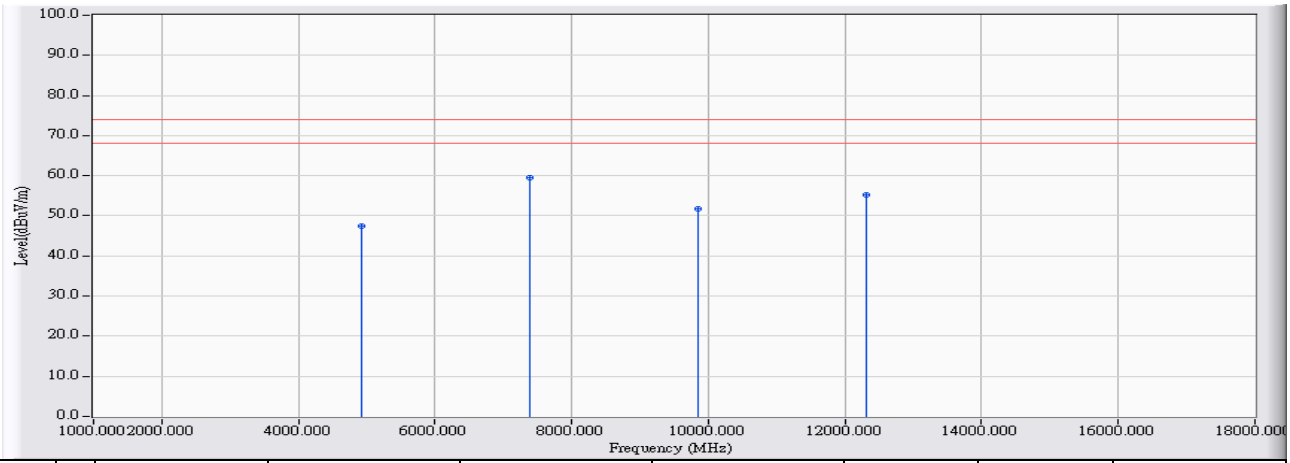


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	23.120	30.678	-23.322	54.000	AVERAGE
2		7311.000	16.387	20.620	37.007	-16.993	54.000	AVERAGE
3		9748.000	22.127	14.890	37.018	-16.982	54.000	AVERAGE
4	*	12185.000	25.803	15.270	41.073	-12.927	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2462MHz**

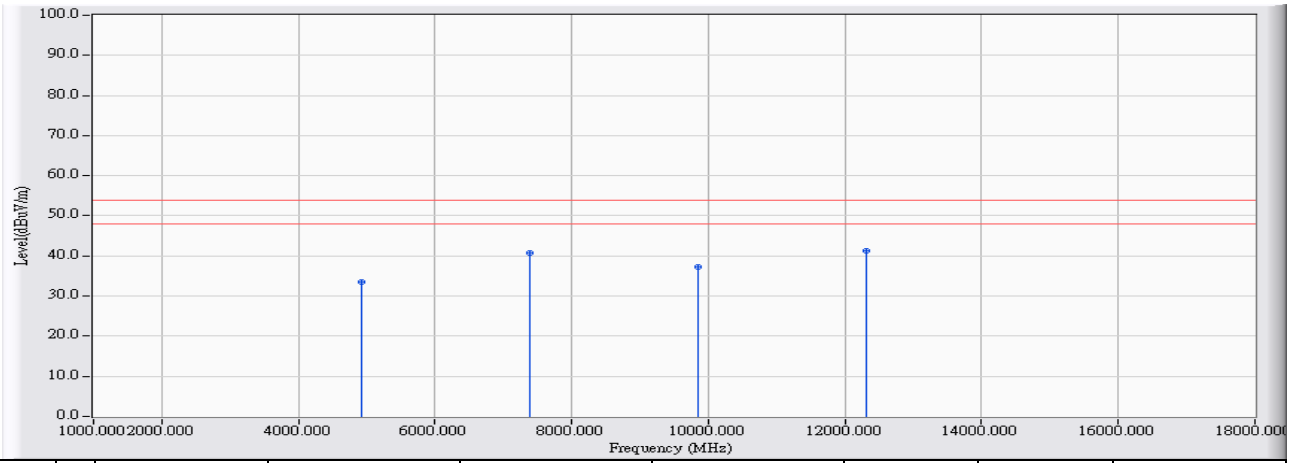


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	39.730	47.411	-26.589	74.000	PEAK
2	*	7386.000	16.712	42.830	59.543	-14.457	74.000	PEAK
3		9848.000	22.353	29.320	51.673	-22.327	74.000	PEAK
4		12310.000	25.572	29.550	55.122	-18.878	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2462MHz**

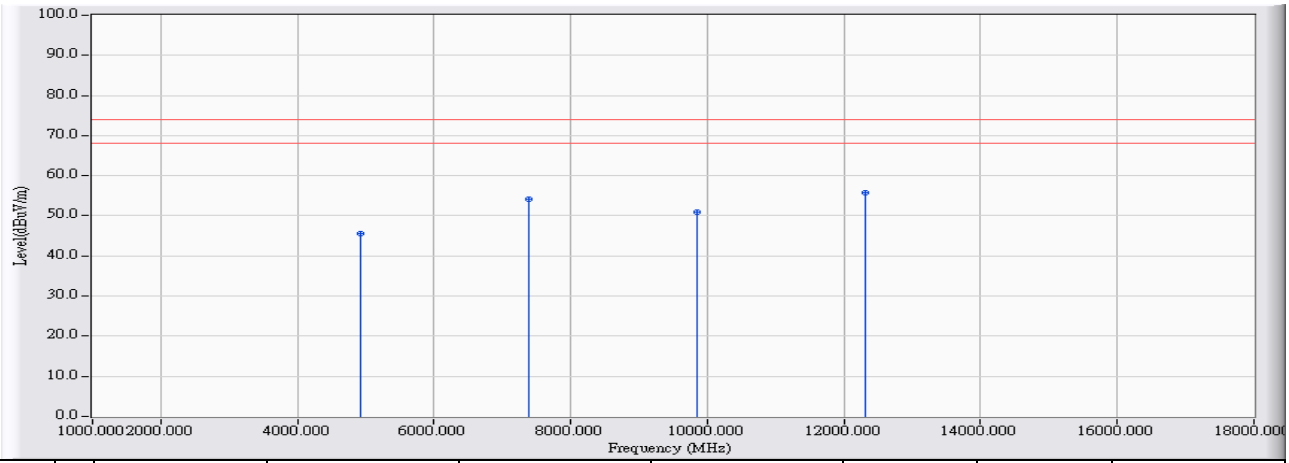


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	25.900	33.581	-20.419	54.000	AVERAGE
2		7386.000	16.712	23.910	40.623	-13.377	54.000	AVERAGE
3		9848.000	22.353	14.830	37.183	-16.817	54.000	AVERAGE
4	*	12310.000	25.572	15.640	41.212	-12.788	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2462MHz**

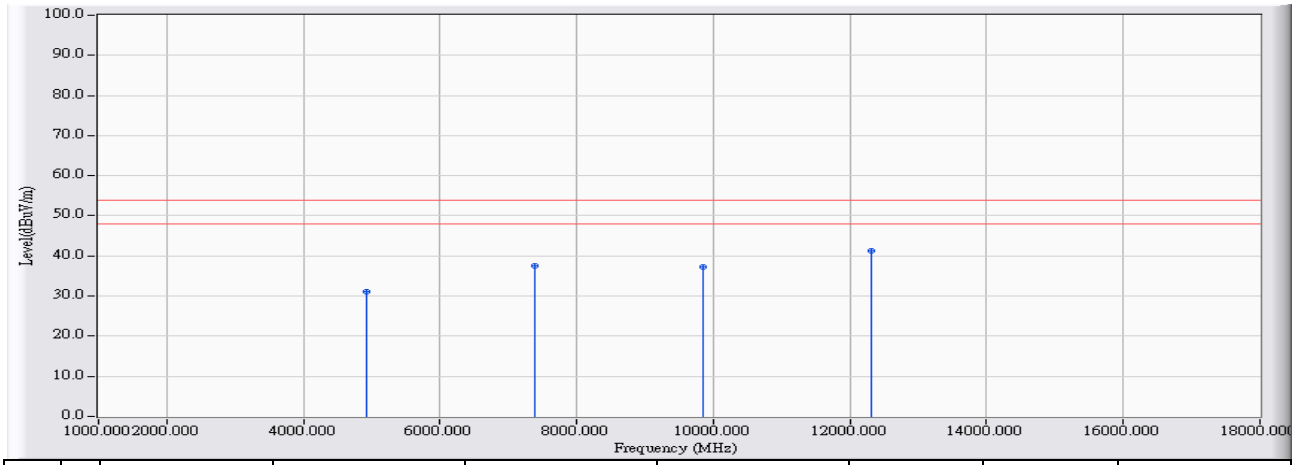


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	37.800	45.481	-28.519	74.000	PEAK
2		7386.000	16.712	37.560	54.273	-19.727	74.000	PEAK
3		9848.000	22.353	28.550	50.903	-23.097	74.000	PEAK
4	*	12310.000	25.572	30.190	55.762	-18.238	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(20M)_2462MHz**

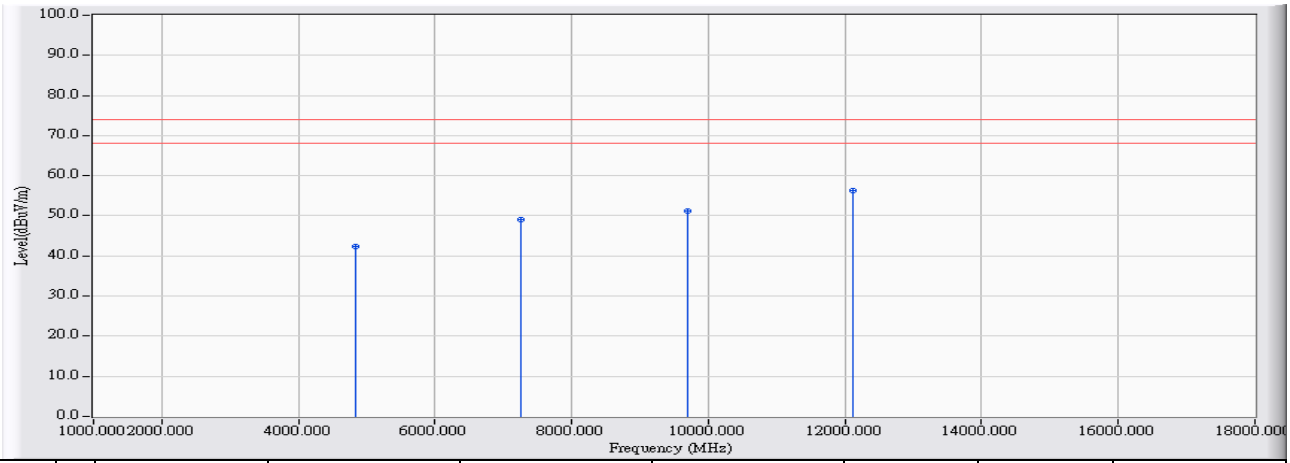


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	7.681	23.500	31.181	-22.819	54.000	AVERAGE
2		7386.000	16.712	20.750	37.463	-16.537	54.000	AVERAGE
3		9848.000	22.353	14.830	37.183	-16.817	54.000	AVERAGE
4	*	12310.000	25.572	15.620	41.192	-12.808	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2422MHz**

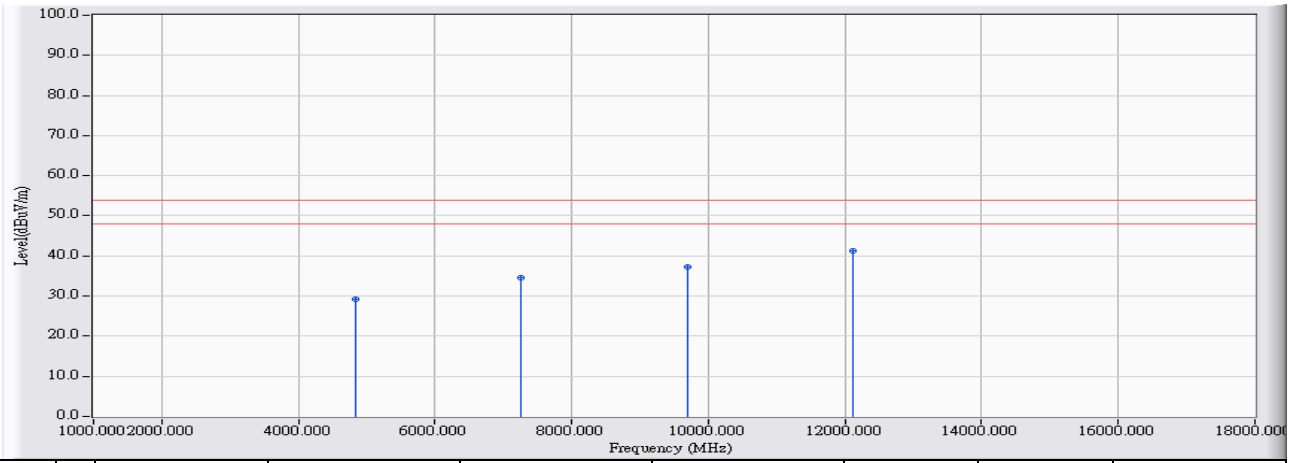


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.000	7.483	34.780	42.264	-31.736	74.000	PEAK
2		7266.000	16.191	32.890	49.082	-24.918	74.000	PEAK
3		9688.000	21.958	29.310	51.268	-22.732	74.000	PEAK
4	*	12110.000	25.945	30.240	56.185	-17.815	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2422MHz**

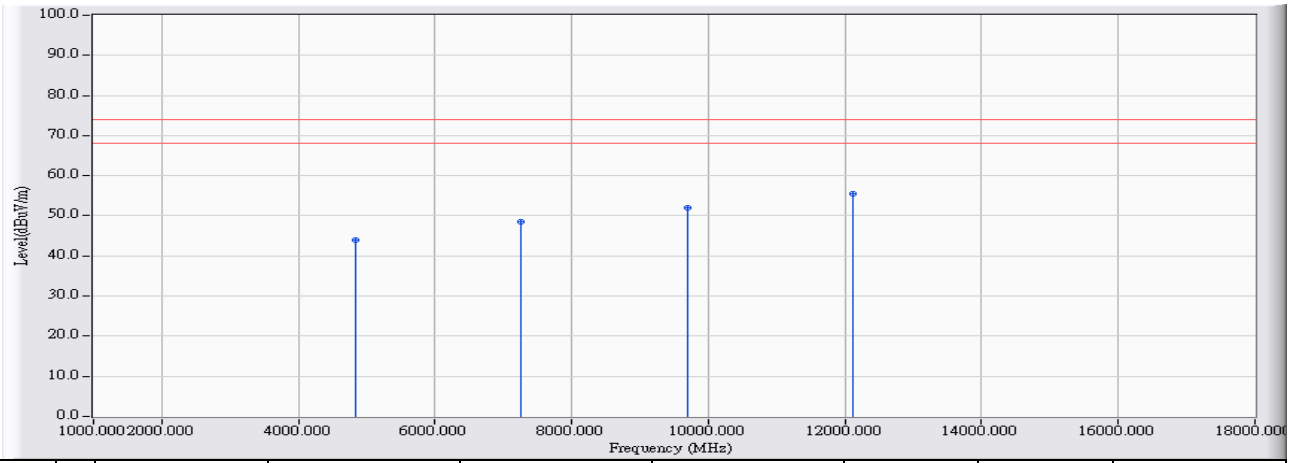


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.000	7.483	21.760	29.244	-24.756	54.000	AVERAGE
2		7266.000	16.191	18.420	34.612	-19.388	54.000	AVERAGE
3		9688.000	21.958	15.380	37.338	-16.662	54.000	AVERAGE
4	*	12110.000	25.945	15.450	41.395	-12.605	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2422MHz**

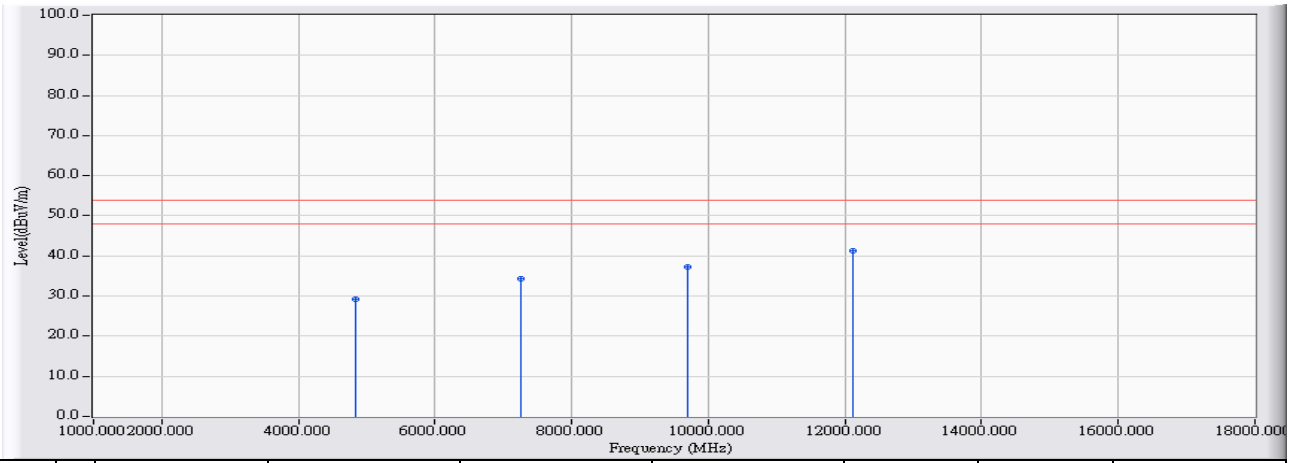


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.000	7.483	36.360	43.844	-30.156	74.000	PEAK
2		7266.000	16.191	32.340	48.532	-25.468	74.000	PEAK
3		9688.000	21.958	30.140	52.098	-21.902	74.000	PEAK
4	*	12110.000	25.945	29.650	55.595	-18.405	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2422MHz**

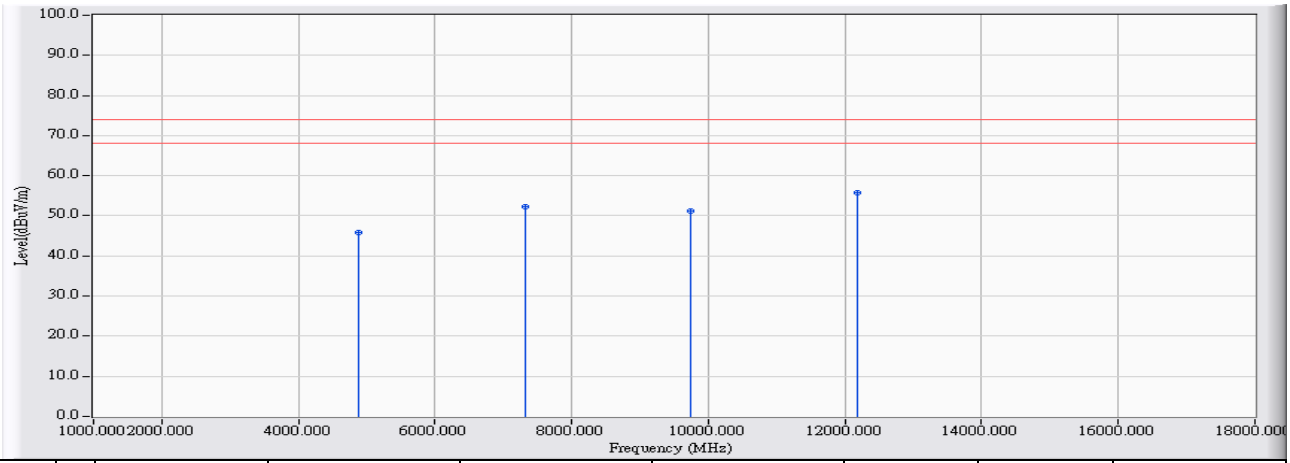


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.000	7.483	21.840	29.324	-24.676	54.000	AVERAGE
2		7266.000	16.191	18.080	34.272	-19.728	54.000	AVERAGE
3		9688.000	21.958	15.330	37.288	-16.712	54.000	AVERAGE
4	*	12110.000	25.945	15.430	41.375	-12.625	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**

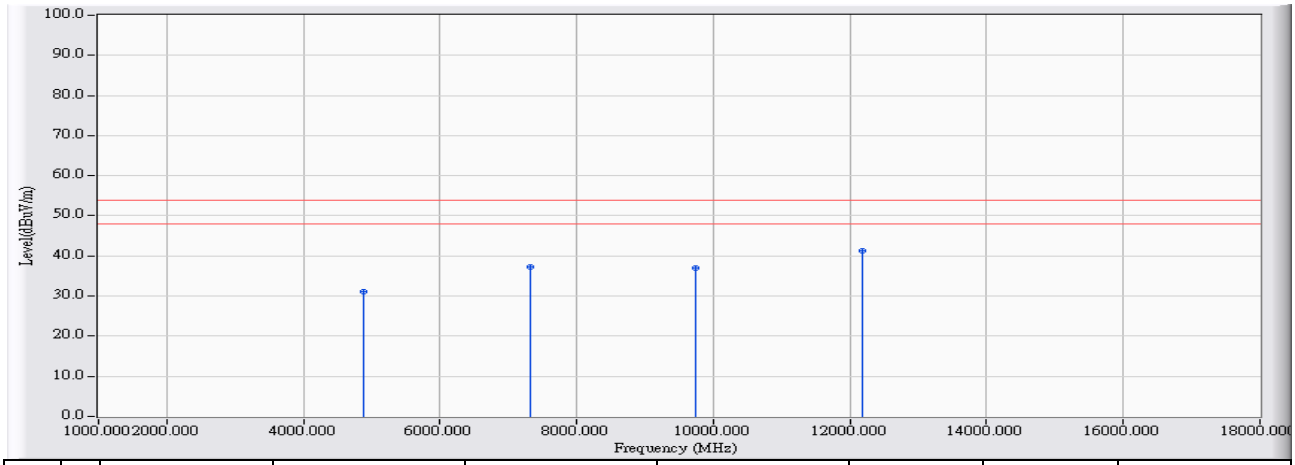


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	38.240	45.798	-28.202	74.000	PEAK
2		7311.000	16.387	35.980	52.367	-21.633	74.000	PEAK
3		9748.000	22.127	29.110	51.238	-22.762	74.000	PEAK
4	*	12185.000	25.803	29.890	55.693	-18.307	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**

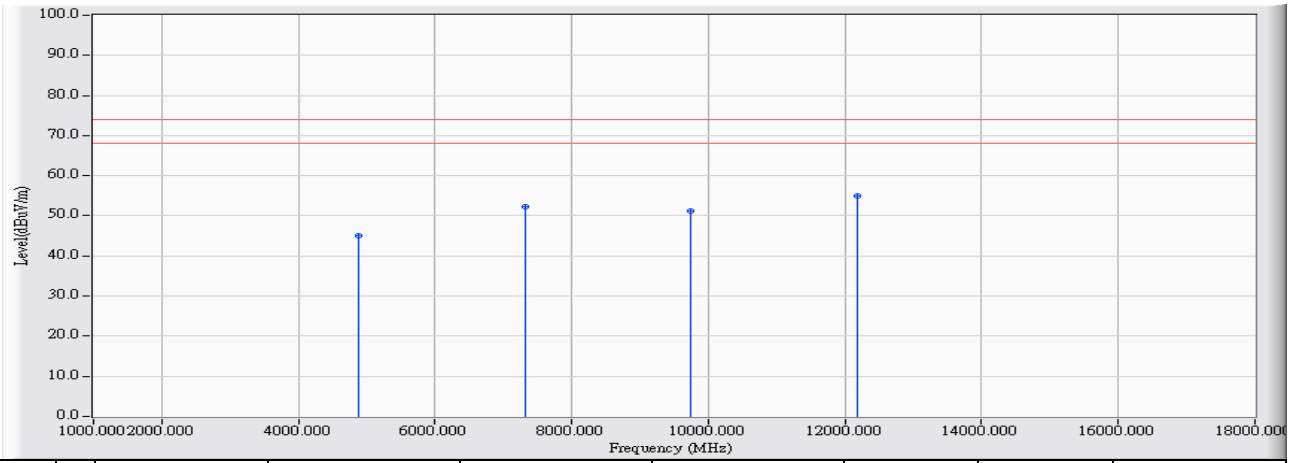


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	23.430	30.988	-23.012	54.000	AVERAGE
2		7311.000	16.387	20.940	37.327	-16.673	54.000	AVERAGE
3		9748.000	22.127	14.960	37.088	-16.912	54.000	AVERAGE
4	*	12185.000	25.803	15.350	41.153	-12.847	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**

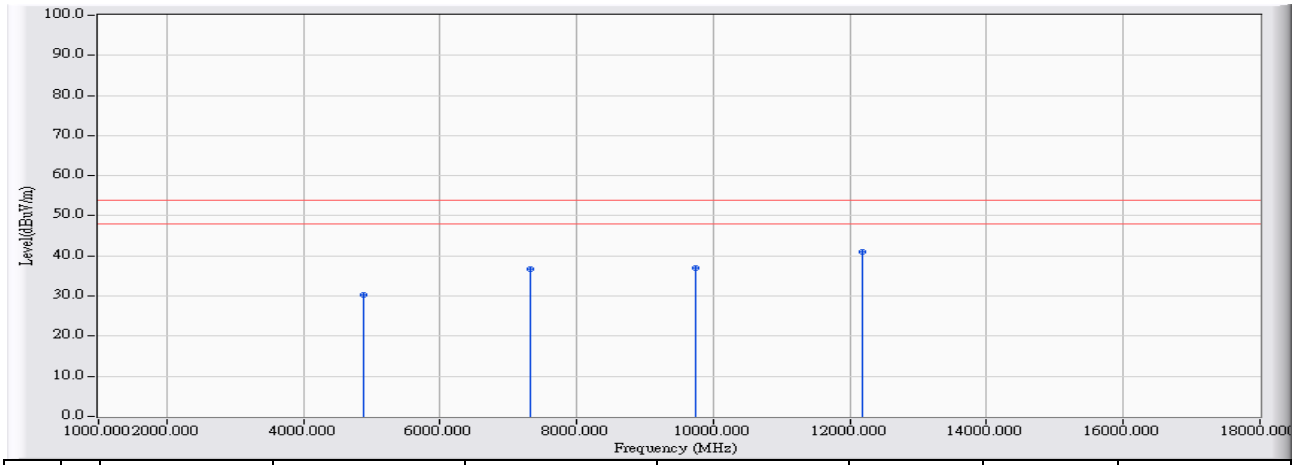


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	37.530	45.088	-28.912	74.000	PEAK
2		7311.000	16.387	35.890	52.277	-21.723	74.000	PEAK
3		9748.000	22.127	29.140	51.268	-22.732	74.000	PEAK
4	*	12185.000	25.803	29.260	55.063	-18.937	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2437MHz**

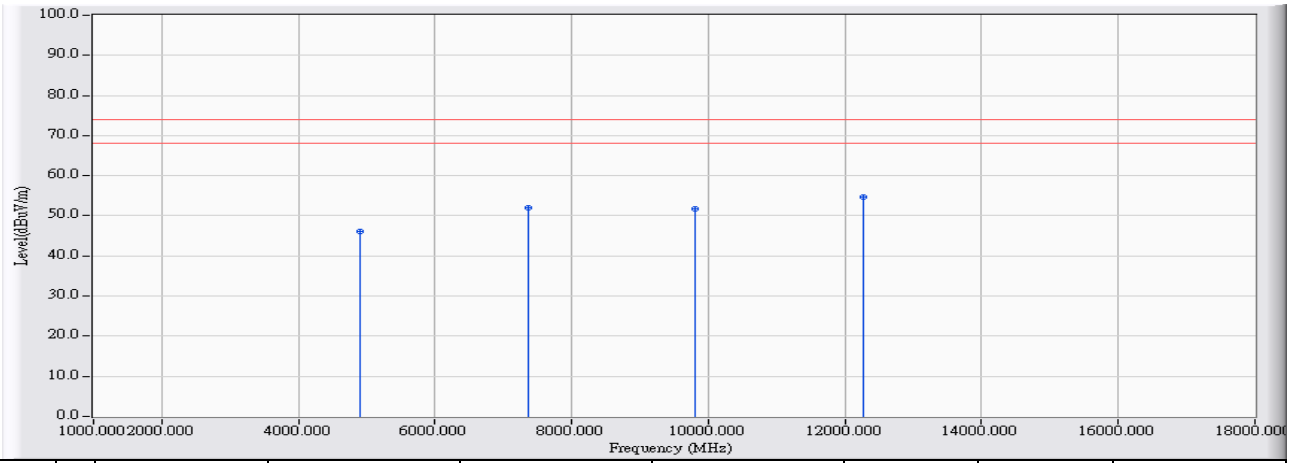


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	7.558	22.790	30.348	-23.652	54.000	AVERAGE
2		7311.000	16.387	20.290	36.677	-17.323	54.000	AVERAGE
3		9748.000	22.127	14.900	37.028	-16.972	54.000	AVERAGE
4	*	12185.000	25.803	15.310	41.113	-12.887	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2452MHz**

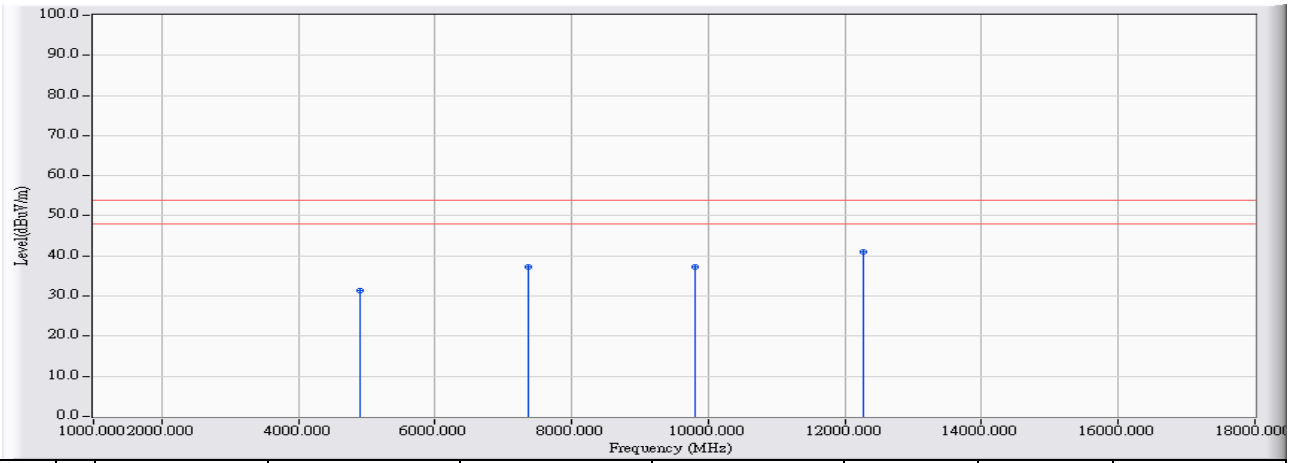


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.000	7.632	38.530	46.162	-27.838	74.000	PEAK
2		7356.000	16.582	35.520	52.103	-21.897	74.000	PEAK
3		9808.000	22.264	29.550	51.815	-22.185	74.000	PEAK
4	*	12260.000	25.663	28.980	54.643	-19.357	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2452MHz**

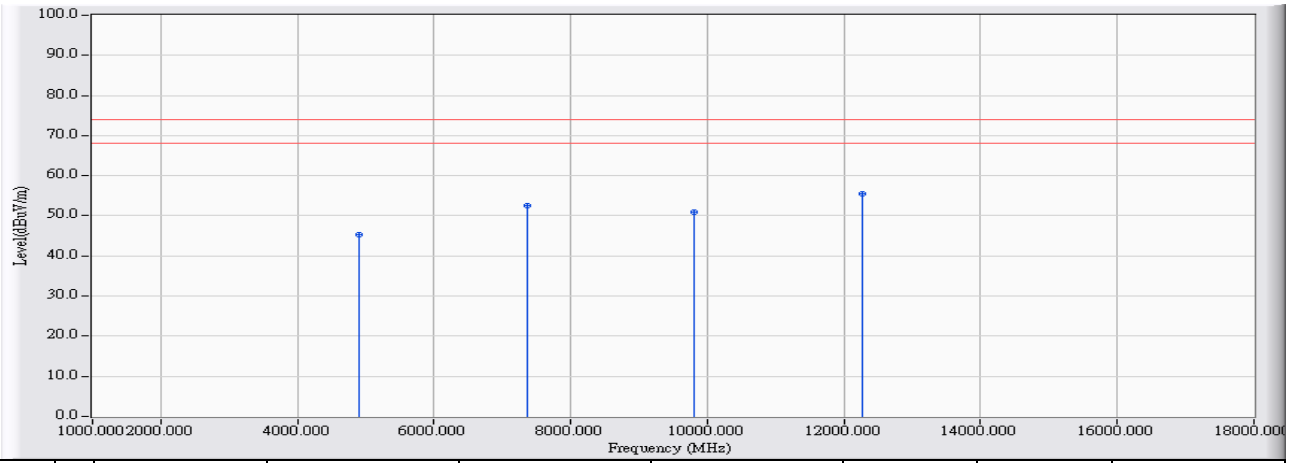


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.000	7.632	23.710	31.342	-22.658	54.000	AVERAGE
2		7356.000	16.582	20.710	37.293	-16.707	54.000	AVERAGE
3		9808.000	22.264	15.020	37.285	-16.715	54.000	AVERAGE
4	*	12260.000	25.663	15.410	41.073	-12.927	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2452MHz**

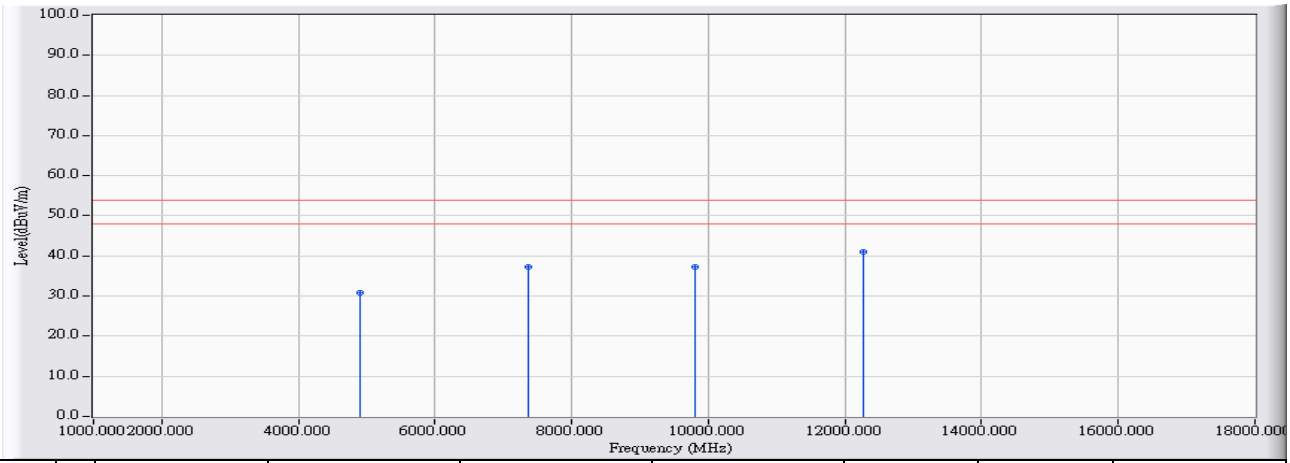


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.000	7.632	37.800	45.432	-28.568	74.000	PEAK
2		7356.000	16.582	35.850	52.433	-21.567	74.000	PEAK
3		9808.000	22.264	28.750	51.015	-22.985	74.000	PEAK
4	*	12260.000	25.663	29.700	55.363	-18.637	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/04/11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : Mode 2: Tx_MIMO Mode_802.11n(40M)_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.000	7.632	23.150	30.782	-23.218	54.000	AVERAGE
2		7356.000	16.582	20.580	37.163	-16.837	54.000	AVERAGE
3		9808.000	22.264	14.940	37.205	-16.795	54.000	AVERAGE
4	*	12260.000	25.663	15.390	41.053	-12.947	54.000	AVERAGE

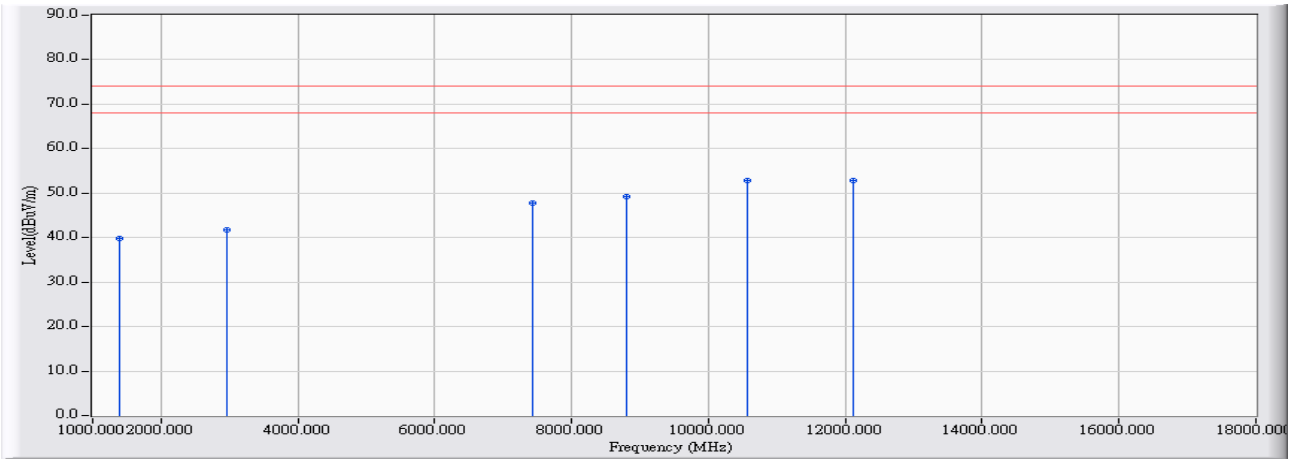
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

4.8. Test Result for Co-location

Section 15.247 Subclause (d). Emission limitations radiated (Transmitter)
The test was performed with the equipment transmitting first in only 2.4 GHz WiFi mode and repeated with the 2.4 GHz BT radio transmitting simultaneously to check the impact of the co-location of both radio interfaces. The results and plots below show the worst results obtained in both modes.

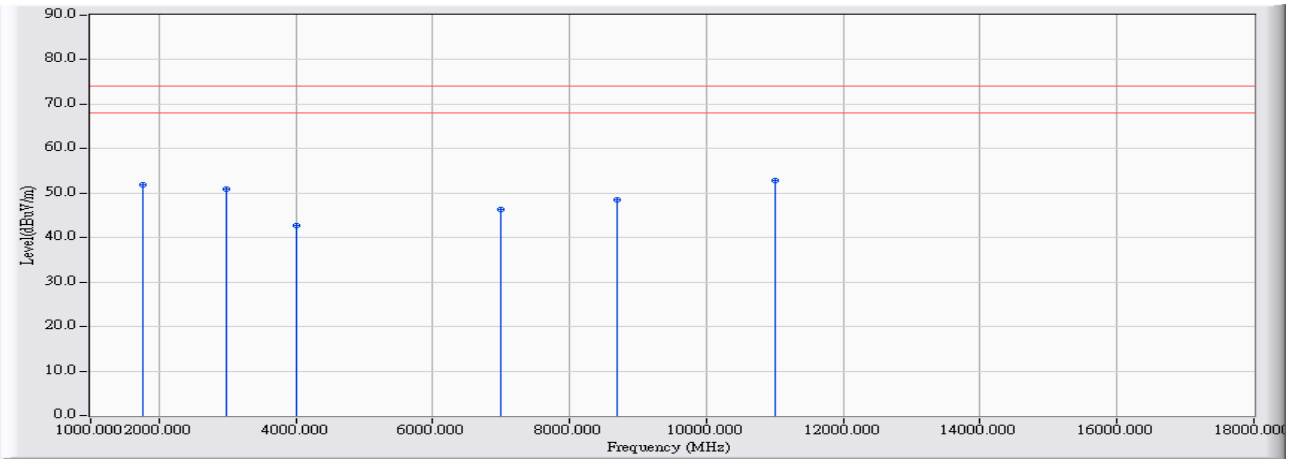
Site : CB4-H	**Time : 2017/05/04 - 10:36**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : 2.4G WiFi + BT _co-location mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1382.500	-4.317	44.010	39.693	-34.307	74.000	PEAK
2		2963.500	1.684	40.137	41.821	-32.179	74.000	PEAK
3		7426.000	16.886	30.881	47.768	-26.232	74.000	PEAK
4		8811.500	18.342	30.846	49.187	-24.813	74.000	PEAK
5		10571.000	24.146	28.605	52.750	-21.250	74.000	PEAK
6	*	12109.500	25.945	26.948	52.894	-21.106	74.000	PEAK

Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2017/05/04 - 10:40**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : UHD551-L	**Note : 2.4G WiFi + BT _co-location mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1765.000	-2.842	54.613	51.771	-22.229	74.000	PEAK
2		2980.500	1.750	49.089	50.839	-23.161	74.000	PEAK
3		4009.000	5.241	37.582	42.823	-31.177	74.000	PEAK
4		7001.000	14.921	31.344	46.266	-27.734	74.000	PEAK
5		8684.000	17.907	30.678	48.585	-25.415	74.000	PEAK
6	*	10996.000	25.163	27.634	52.797	-21.203	74.000	PEAK

Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.

2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

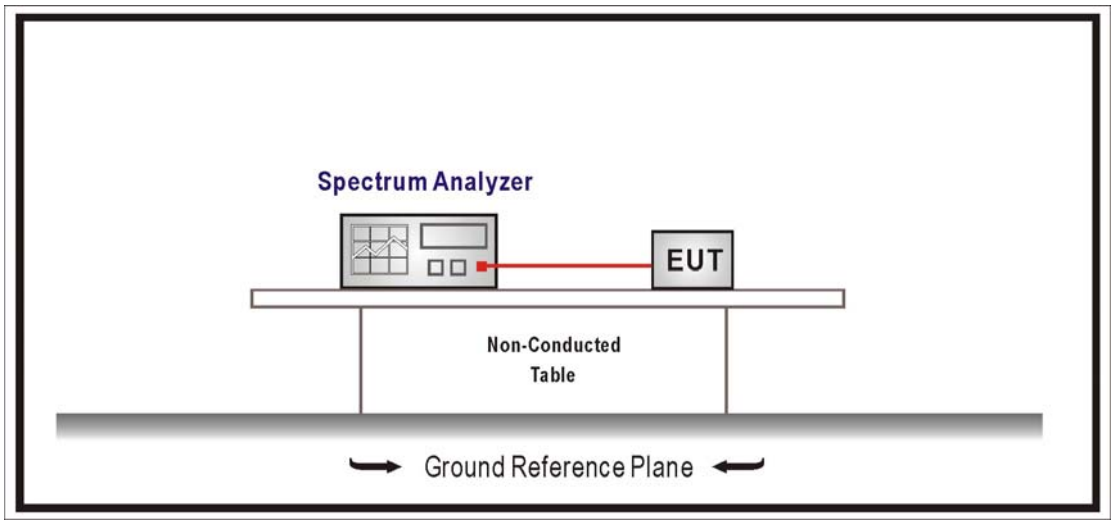
RF Antenna Conducted Test / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08

Note: All equipments that need to calibrate are with calibration period of 1 year.

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

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 either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

5.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure section 11.2 of KDB558074 v03r05 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

5.6. Uncertainty

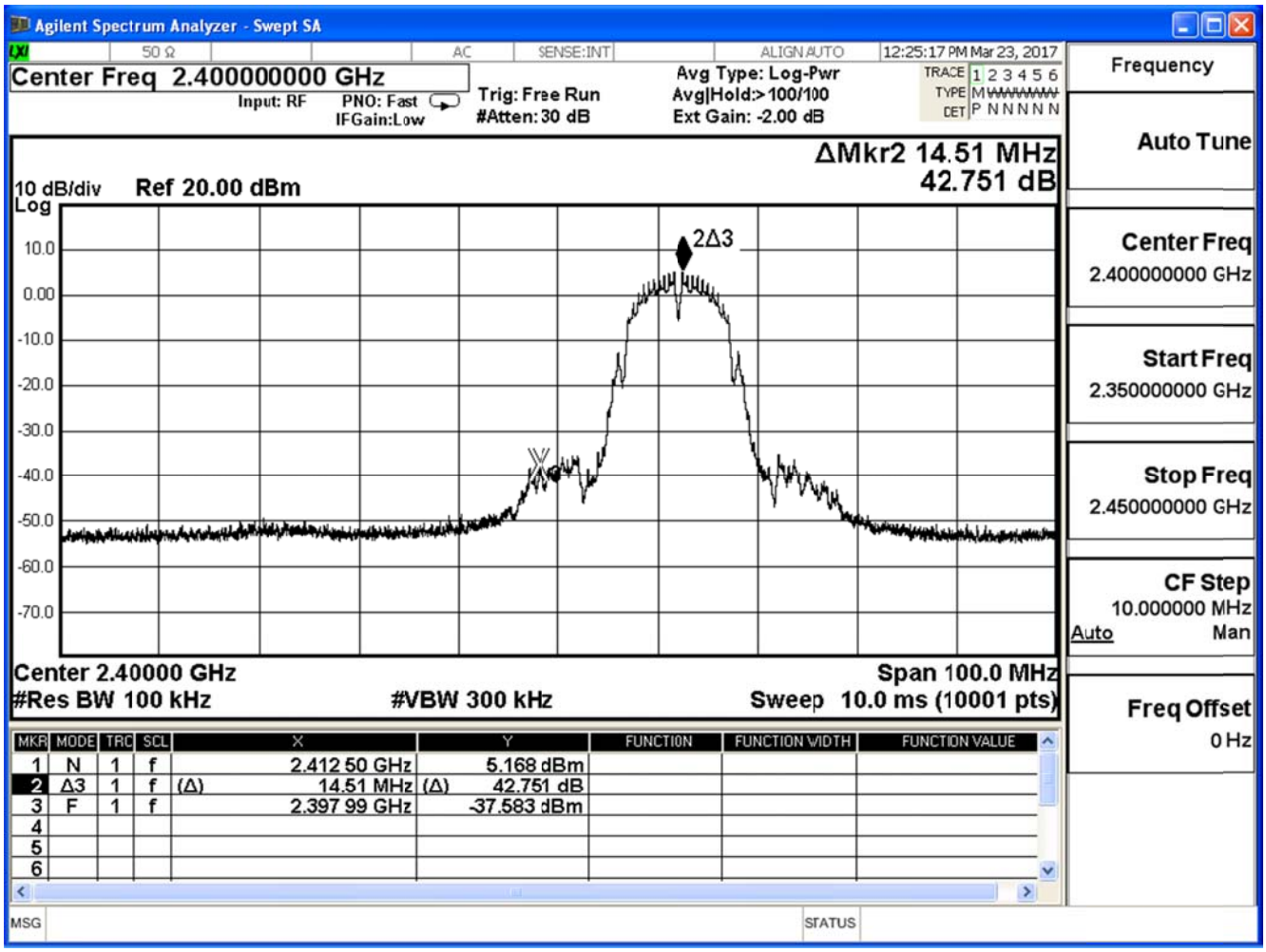
Conducted is defined as ± 1.27dB

5.7. Test Result

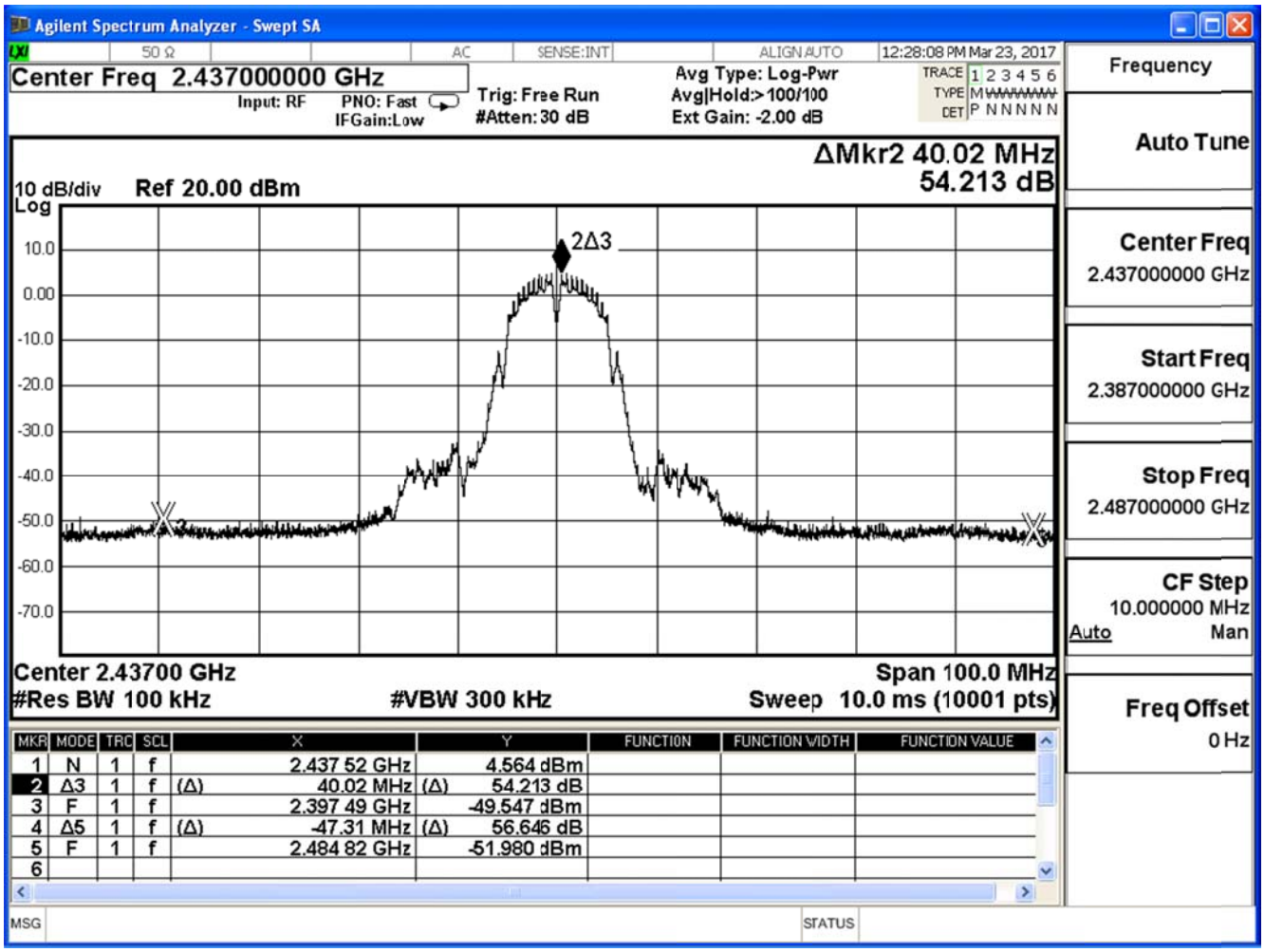
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11b (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	42.751	≧20	Pass
6	2437	54.213	≧20	Pass
11	2462	55.438	≧20	Pass

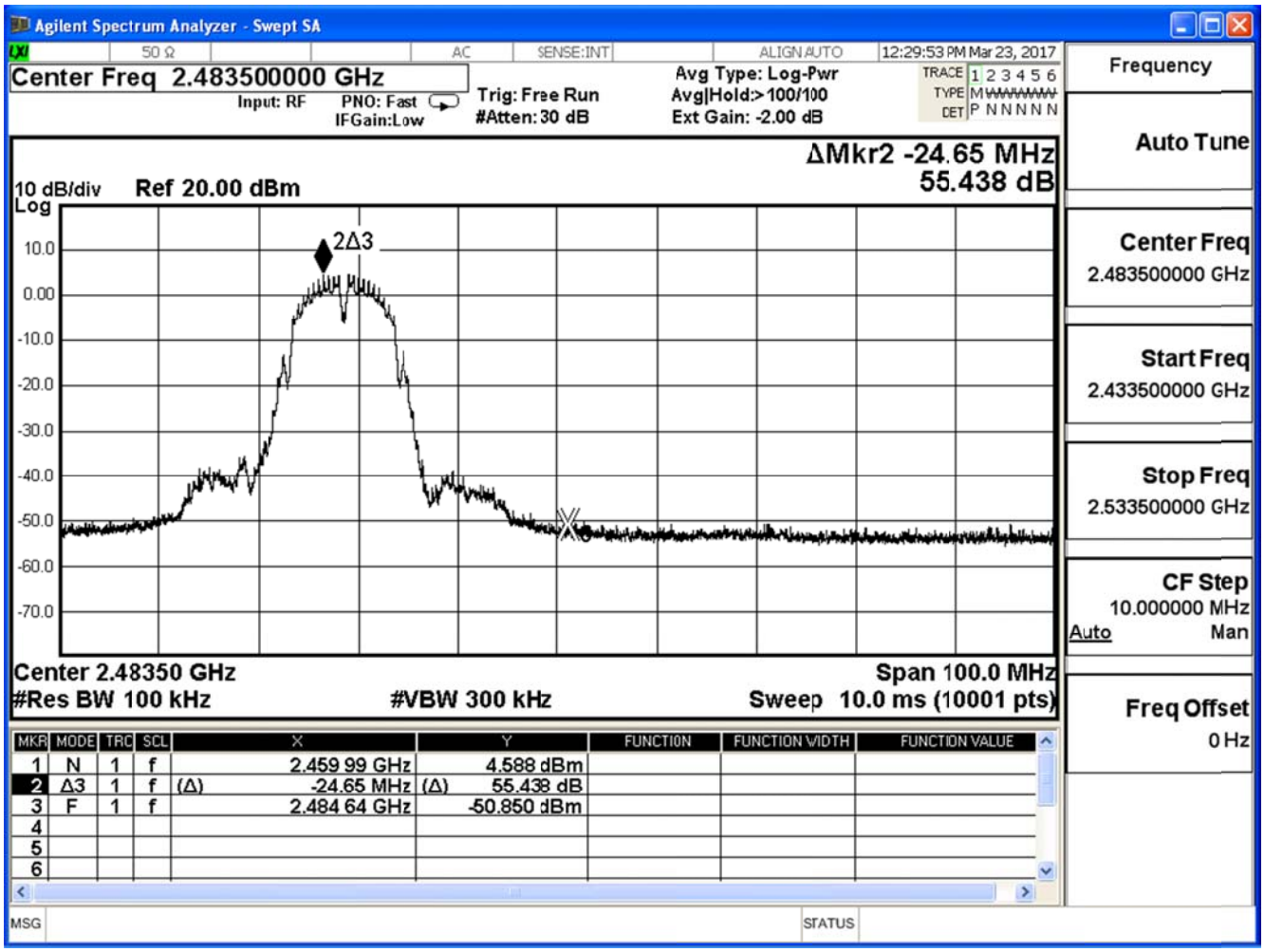
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:28:08 PM Mar 23, 2017
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 40.02 MHz
54.213 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.437 52 GHz 4.564 dBm
2 Δ3 1 f (Δ) 40.02 MHz (Δ) 54.213 dB
3 F 1 f 2.397 49 GHz -49.547 dBm
4 Δ5 1 f (Δ) -47.31 MHz (Δ) 56.646 dB
5 F 1 f 2.484 82 GHz -51.980 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

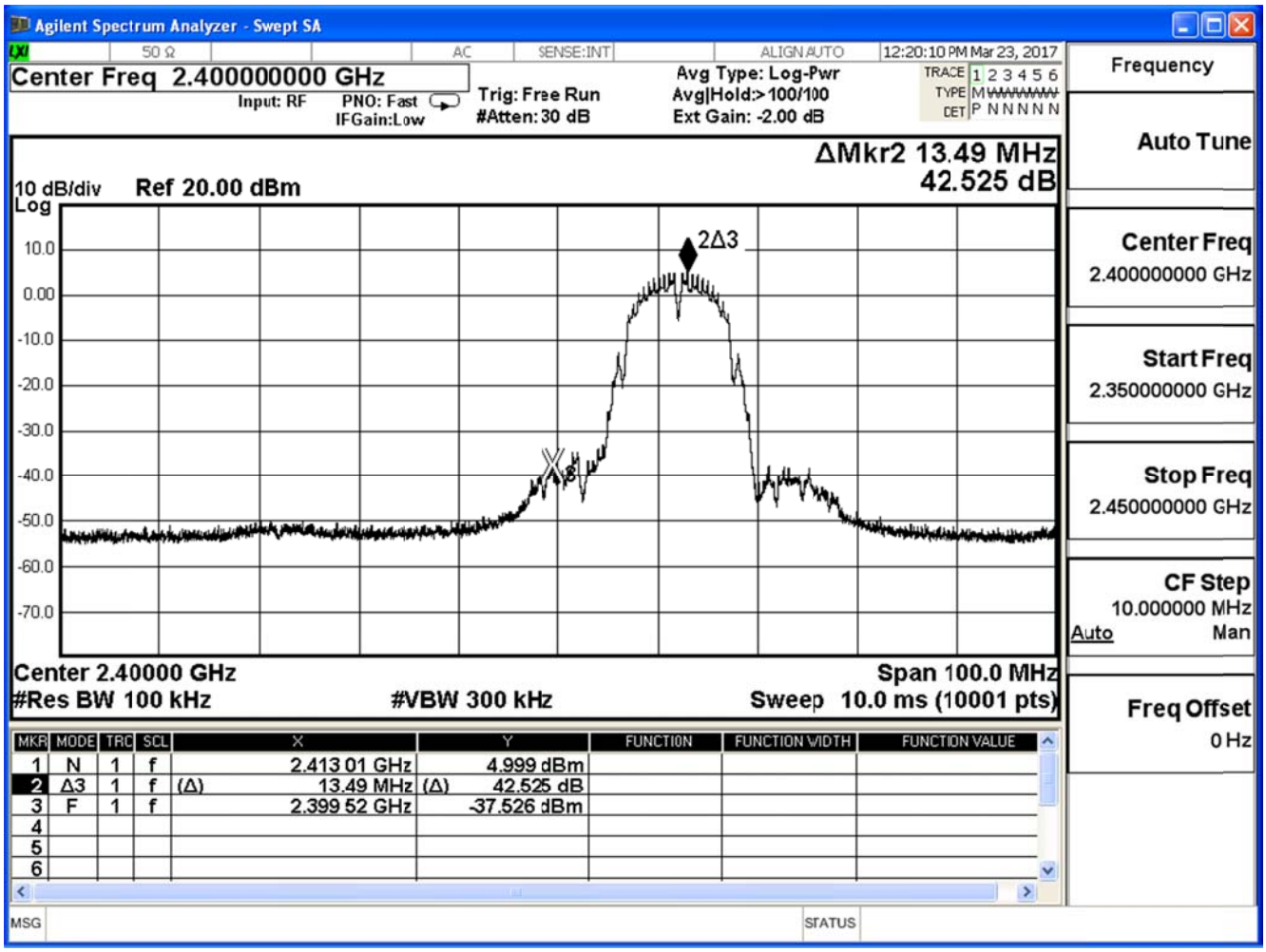
Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:29:53 PM Mar 23, 2017
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -24.65 MHz
55.438 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.459 99 GHz 4.588 dBm
2 Δ3 1 f (Δ) -24.65 MHz (Δ) 55.438 dB
3 F 1 f 2.484 64 GHz -50.850 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

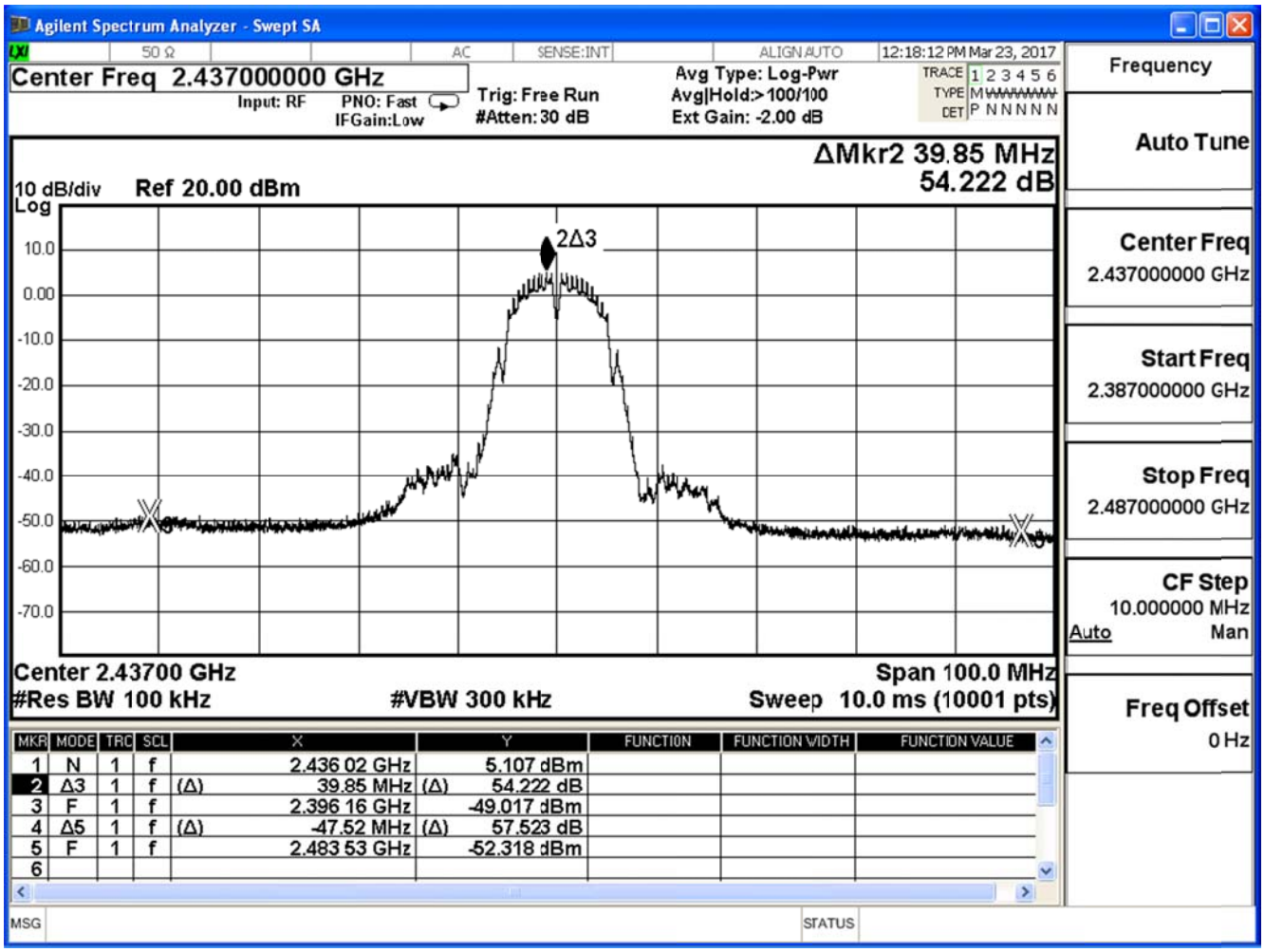
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11b (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	42.525	≧20	Pass
6	2437	54.222	≧20	Pass
11	2462	55.492	≧20	Pass

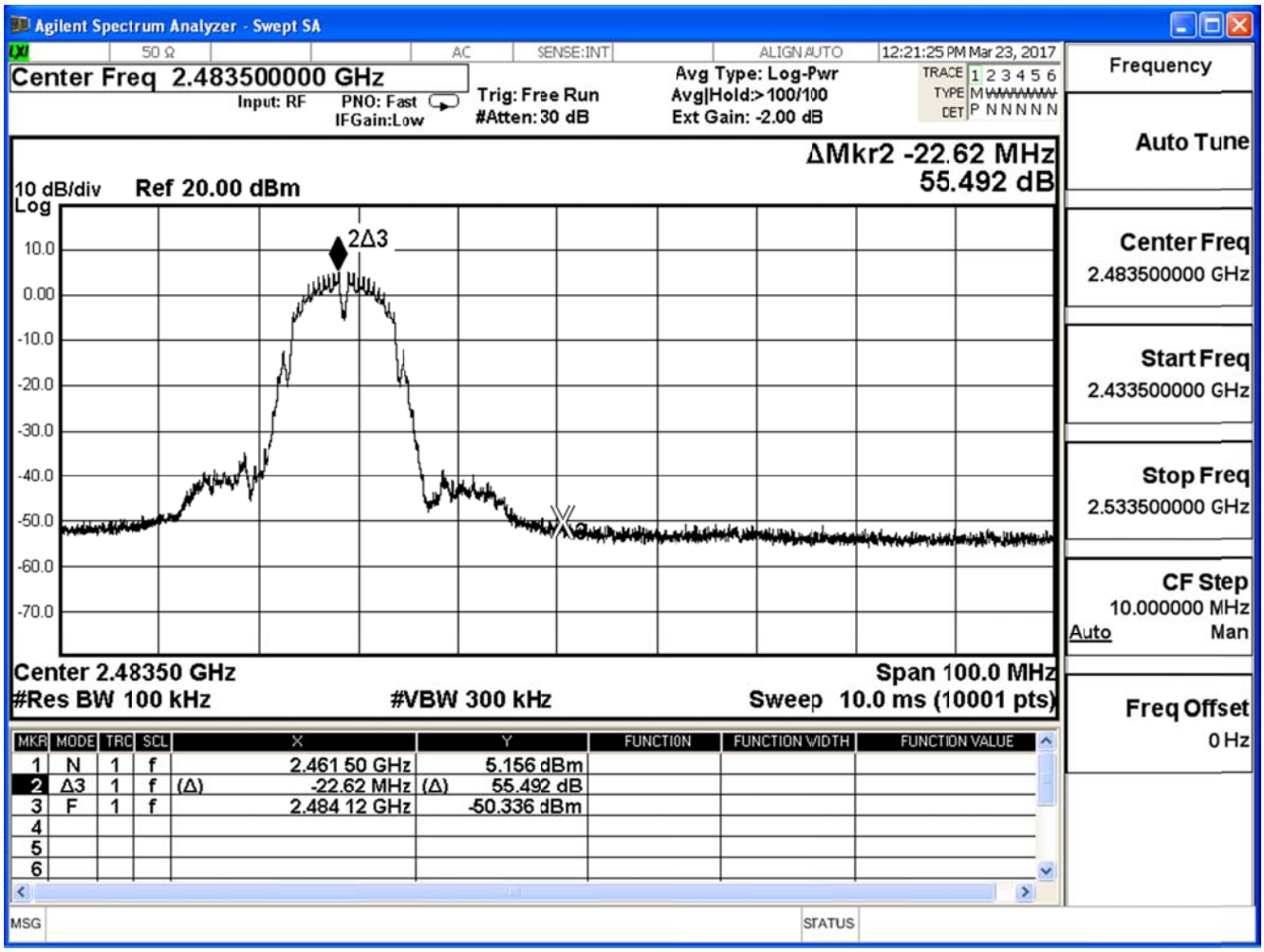
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
12:18:12 PM Mar 23, 2017
ΔMkr2 39.85 MHz
54.222 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.436 02 GHz 5.107 dBm
2 Δ3 1 f (Δ) 39.85 MHz (Δ) 54.222 dB
3 F 1 f 2.396 16 GHz -49.017 dBm
4 Δ5 1 f (Δ) -47.52 MHz (Δ) 57.523 dB
5 F 1 f 2.483 53 GHz -52.318 dBm
6
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

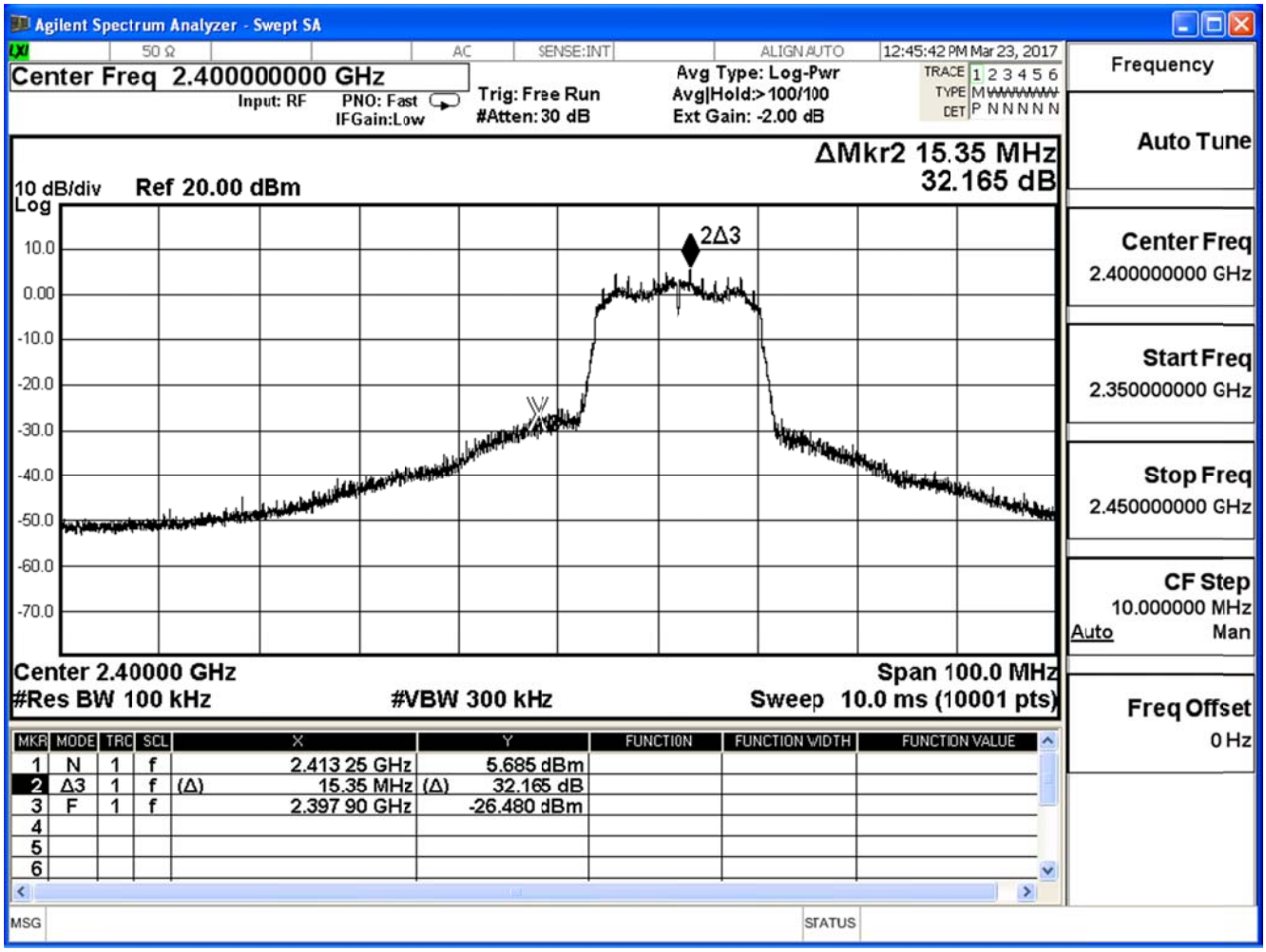
Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:21:25 PM Mar 23, 2017
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -22.62 MHz
55.492 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.461 50 GHz 5.156 dBm
2 Δ3 1 f (Δ) -22.62 MHz (Δ) 55.492 dB
3 F 1 f 2.484 12 GHz -50.336 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

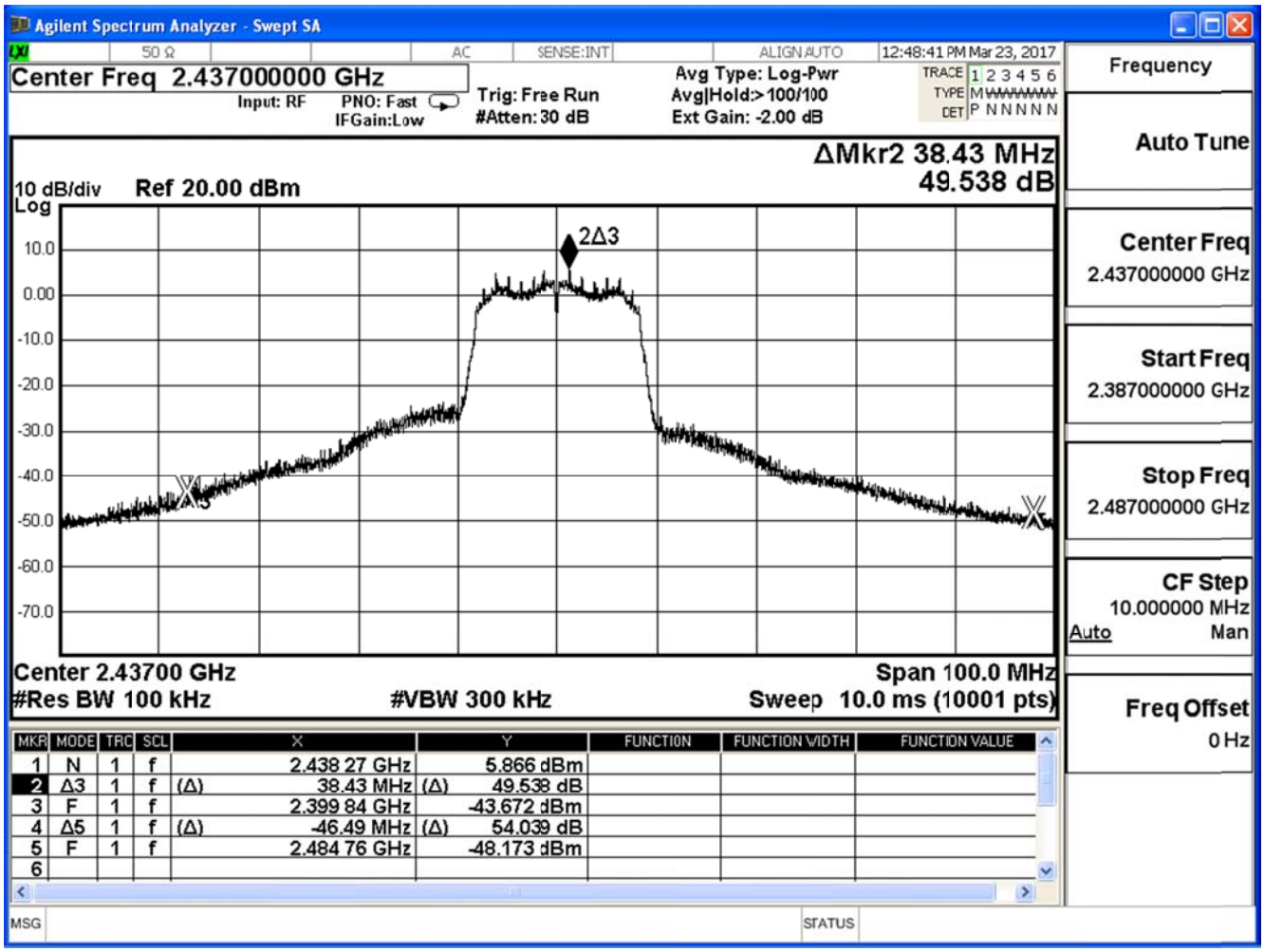
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11g (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.165	≧20	Pass
6	2437	49.538	≧20	Pass
11	2462	46.551	≧20	Pass

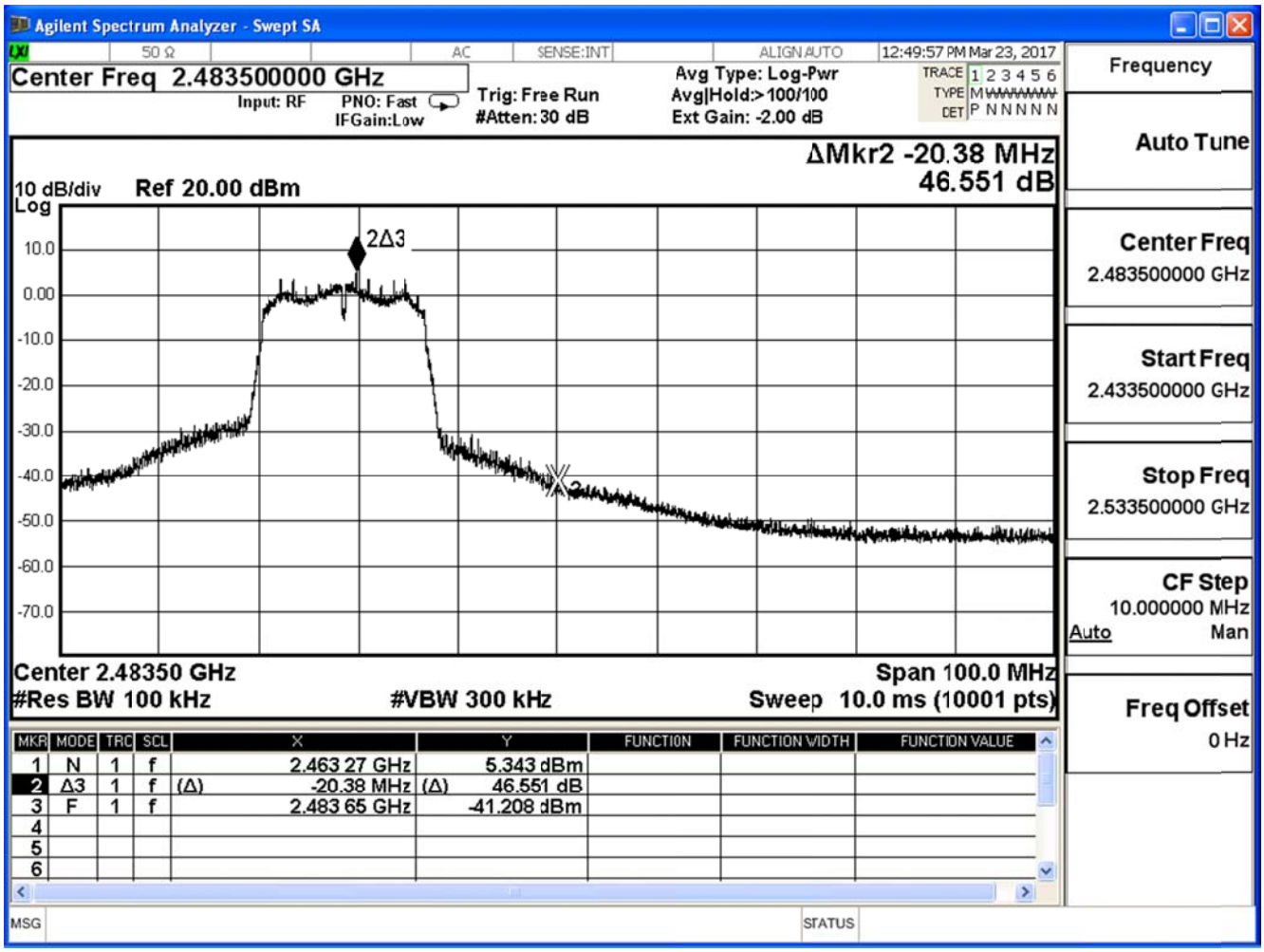
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:48:41 PM Mar 23, 2017
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 38.43 MHz
49.538 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.438 27 GHz 5.866 dBm
2 Δ3 1 f (Δ) 38.43 MHz (Δ) 49.538 dB
3 F 1 f 2.399 84 GHz -43.672 dBm
4 Δ5 1 f (Δ) -46.49 MHz (Δ) 54.039 dB
5 F 1 f 2.484 76 GHz -48.173 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

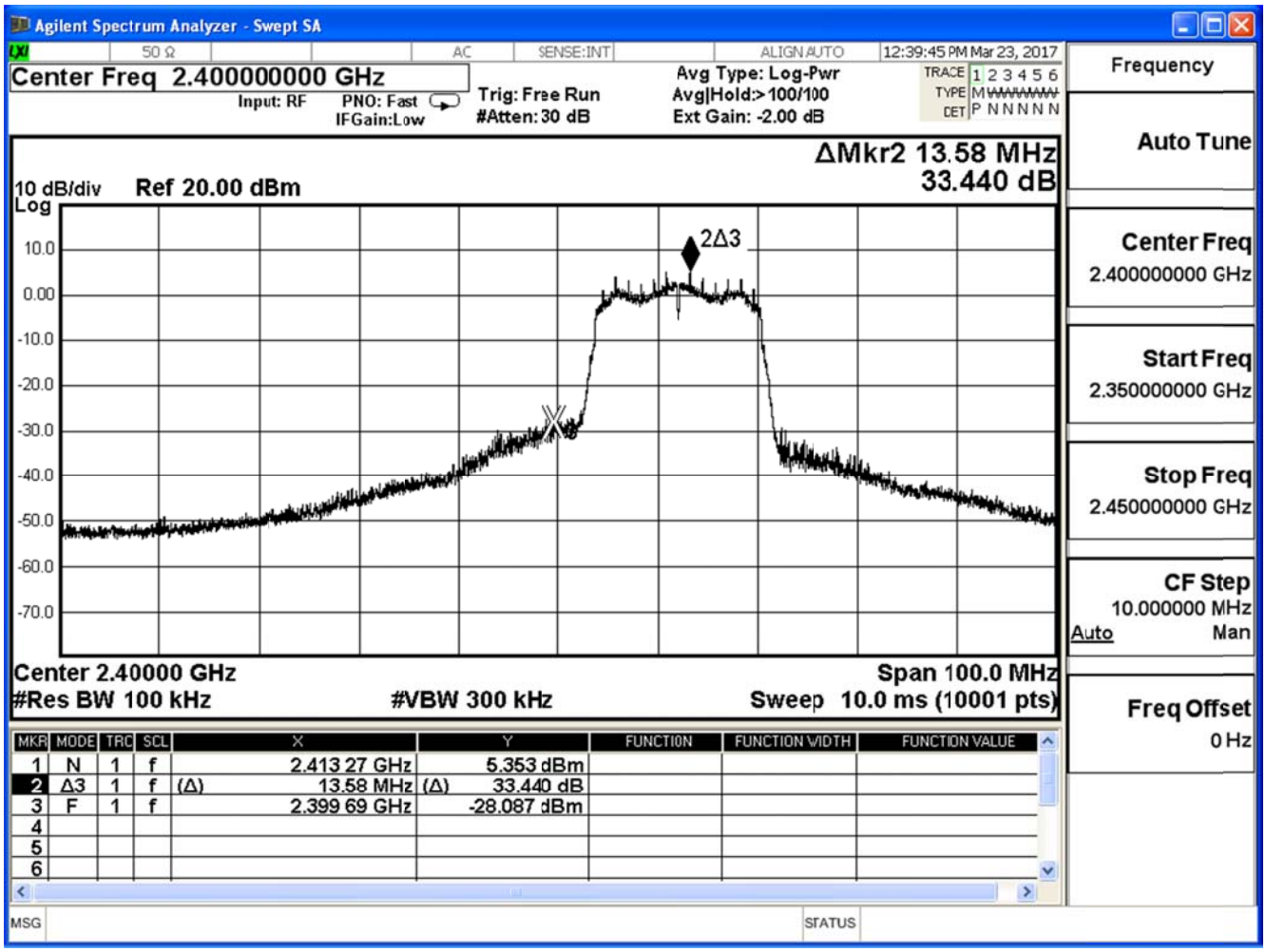
Channel 11


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
12:49:57 PM Mar 23, 2017
ΔMkr2 -20.38 MHz
46.551 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.463 27 GHz 5.343 dBm
2 Δ3 1 f (Δ) -20.38 MHz (Δ) 46.551 dB
3 F 1 f 2.483 65 GHz -41.208 dBm
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

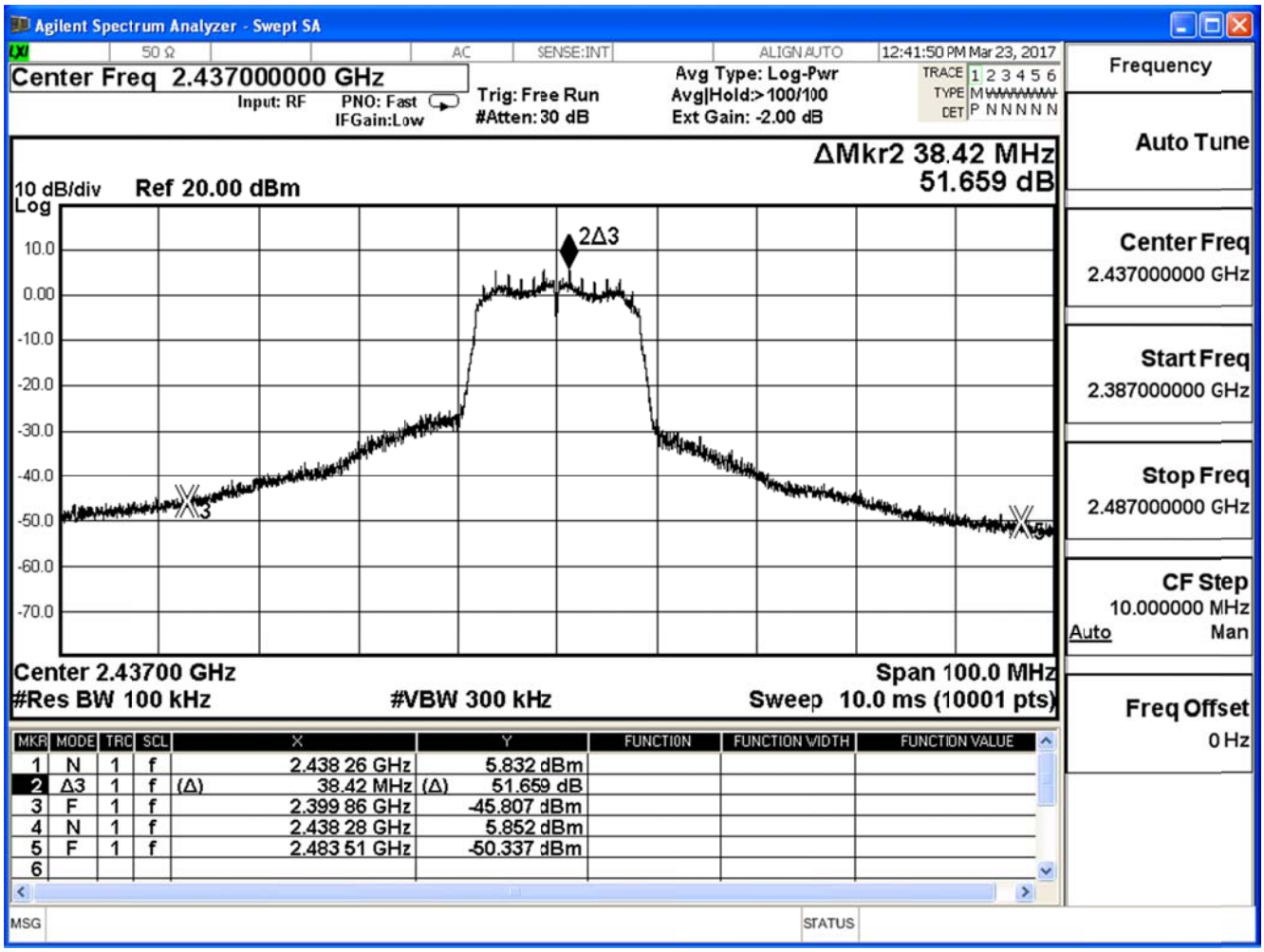
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11g (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	33.440	≧20	Pass
6	2437	51.659	≧20	Pass
11	2462	45.819	≧20	Pass

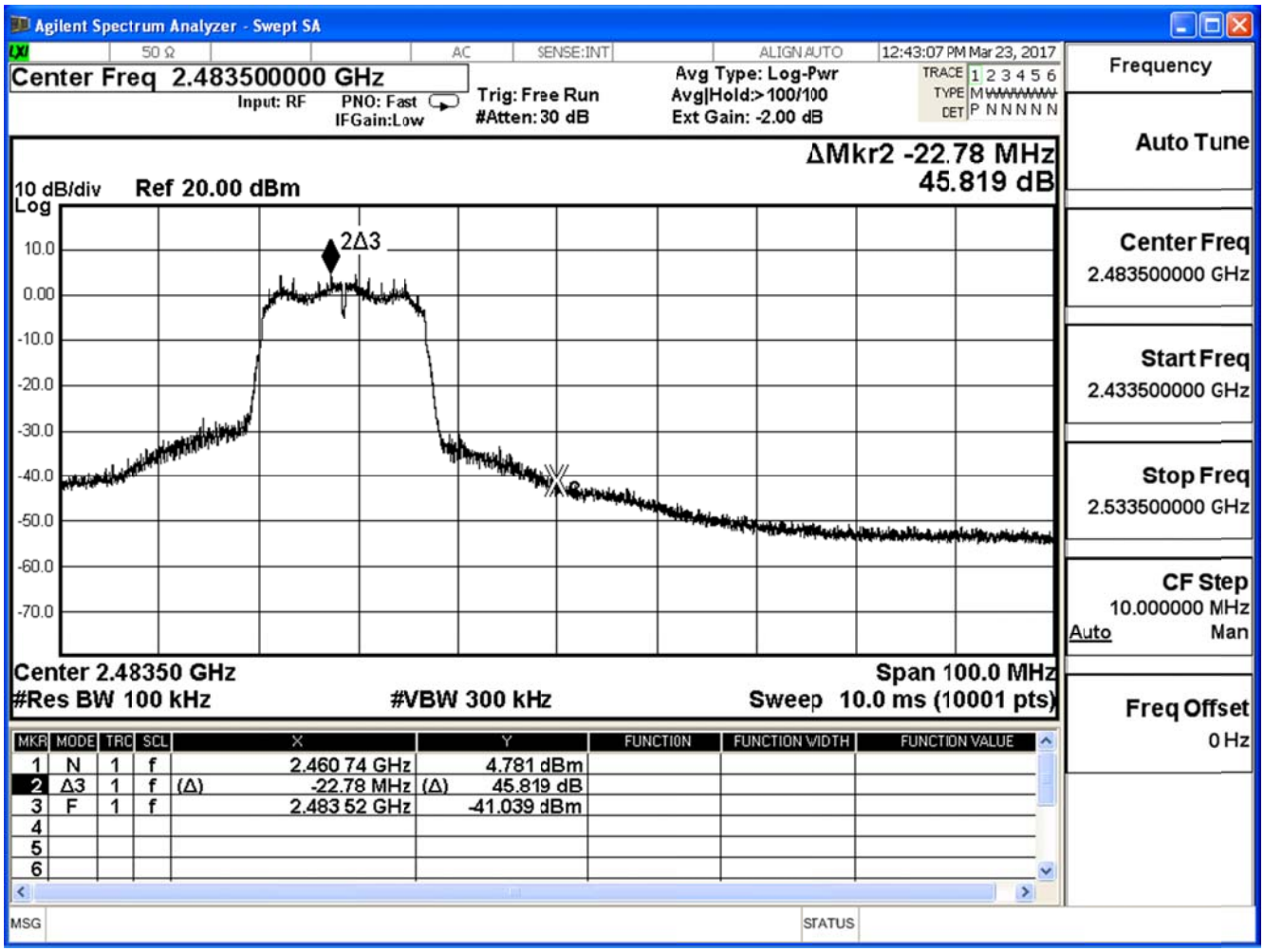
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
12:41:50 PM Mar 23, 2017
ΔMkr2 38.42 MHz
51.659 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.438 26 GHz 5.832 dBm
2 Δ3 1 f (Δ) 38.42 MHz (Δ) 51.659 dB
3 F 1 f 2.399 86 GHz -45.807 dBm
4 N 1 f 2.438 28 GHz 5.852 dBm
5 F 1 f 2.483 51 GHz -50.337 dBm
6
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

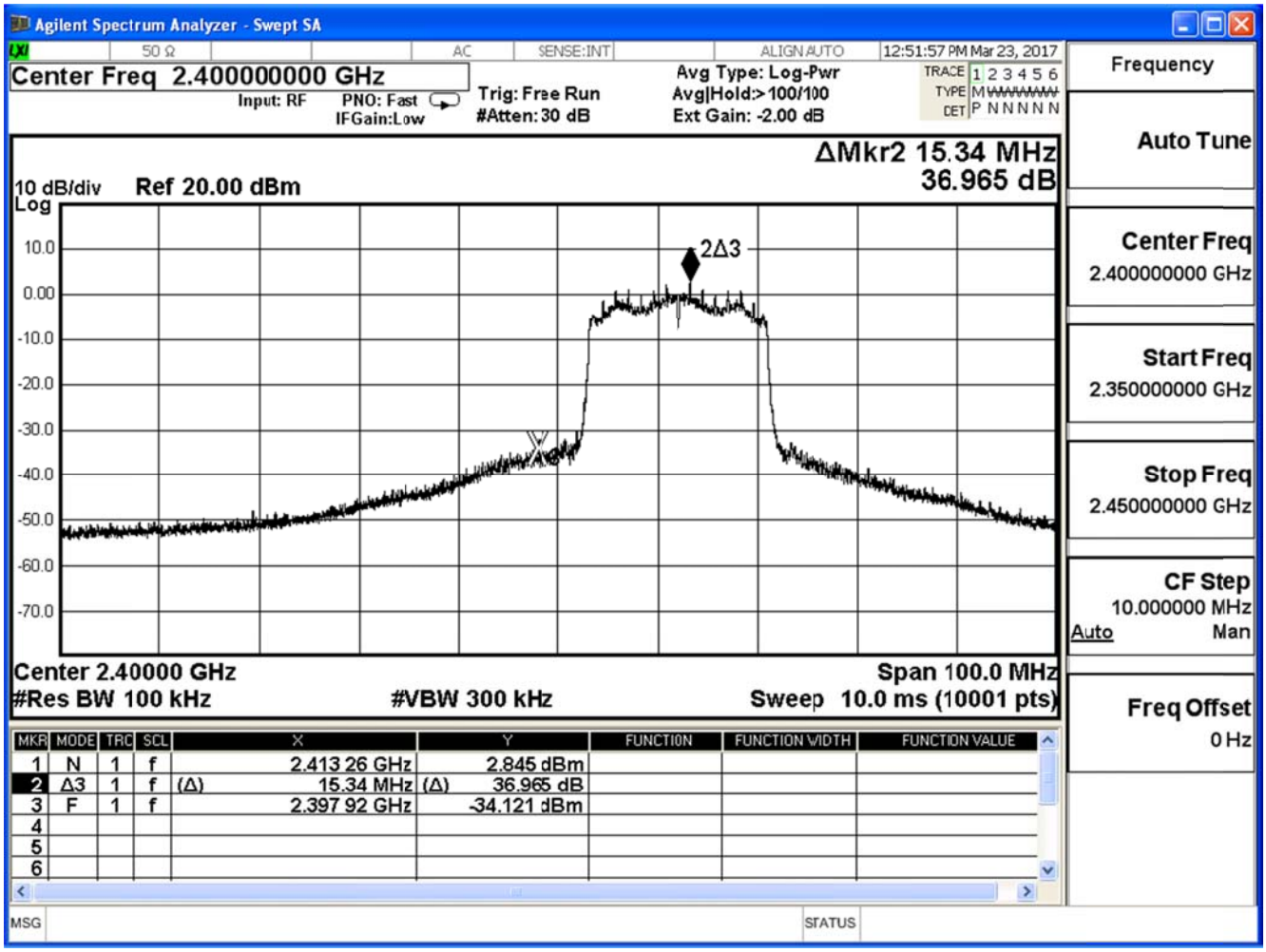
Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:43:07 PM Mar 23, 2017
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -22.78 MHz
45.819 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.460 74 GHz 4.781 dBm
2 Δ3 1 f (Δ) -22.78 MHz (Δ) 45.819 dB
3 F 1 f 2.483 52 GHz -41.039 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

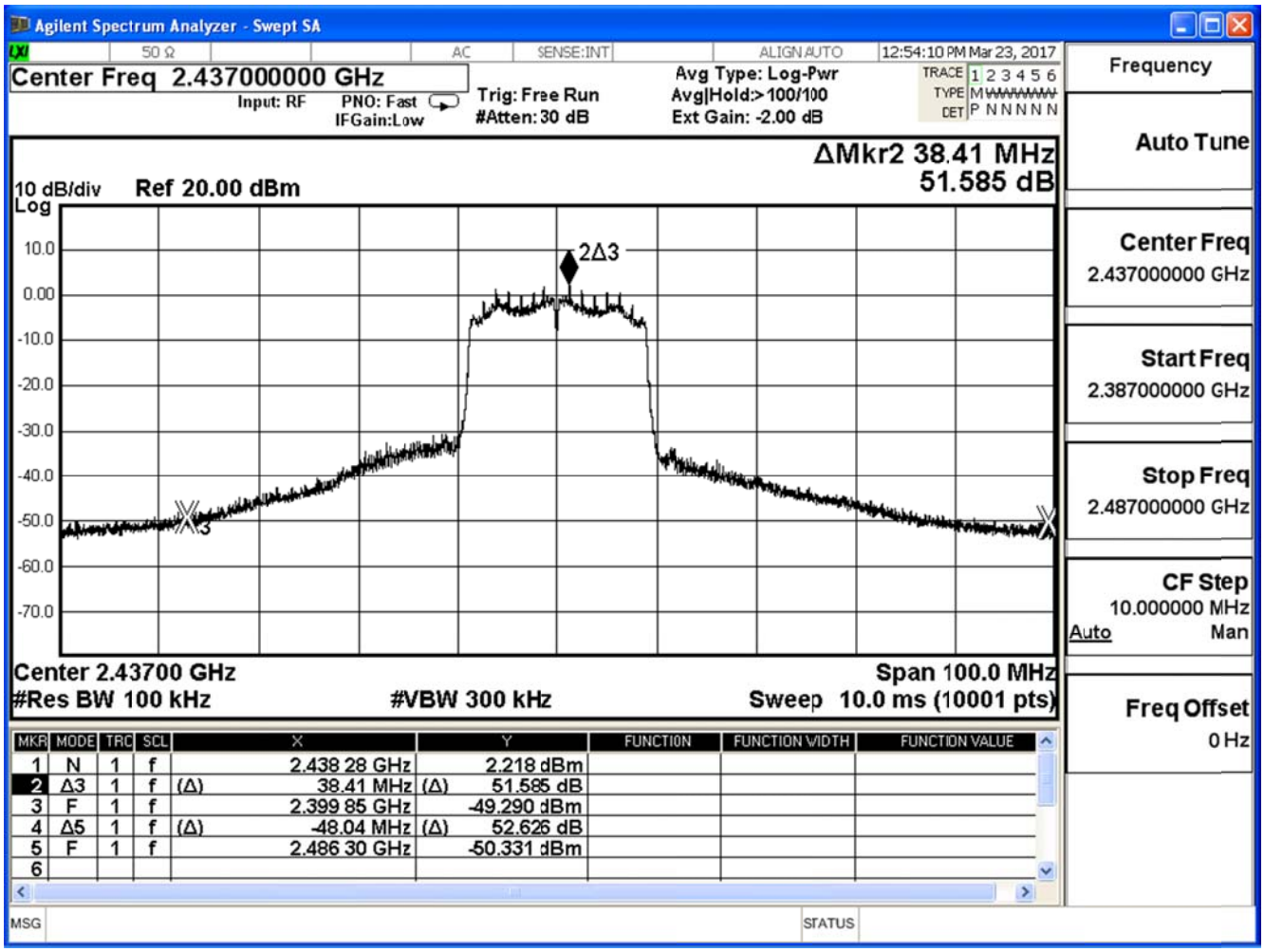
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n_20M (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	36.965	≧20	Pass
6	2437	51.585	≧20	Pass
11	2462	46.291	≧20	Pass

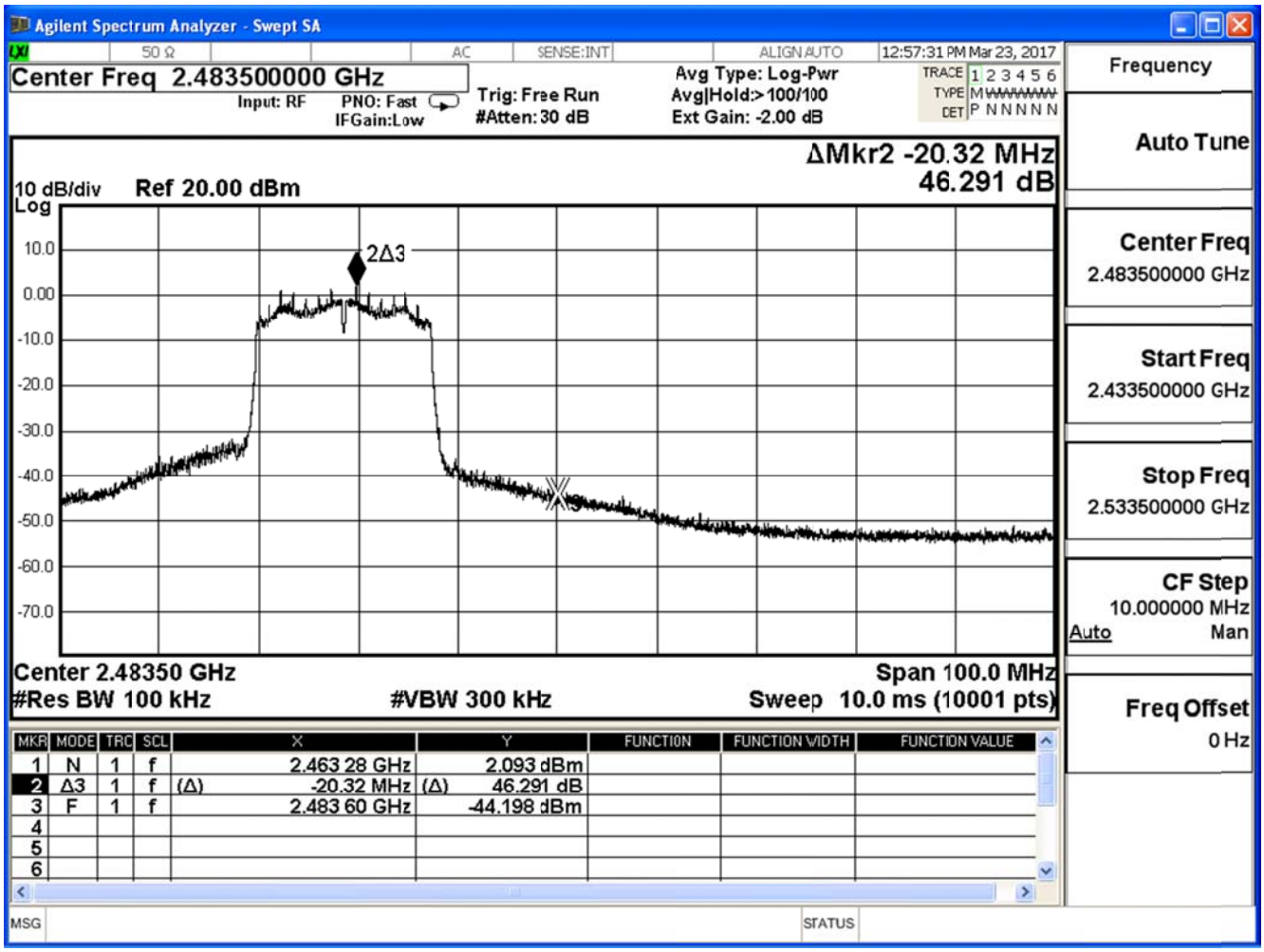
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
12:54:10 PM Mar 23, 2017
ΔMkr2 38.41 MHz
51.585 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.438 28 GHz 2.218 dBm
2 Δ3 1 f (Δ) 38.41 MHz (Δ) 51.585 dB
3 F 1 f 2.399 85 GHz -49.290 dBm
4 Δ5 1 f (Δ) -48.04 MHz (Δ) 52.626 dB
5 F 1 f 2.486 30 GHz -50.331 dBm
6
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

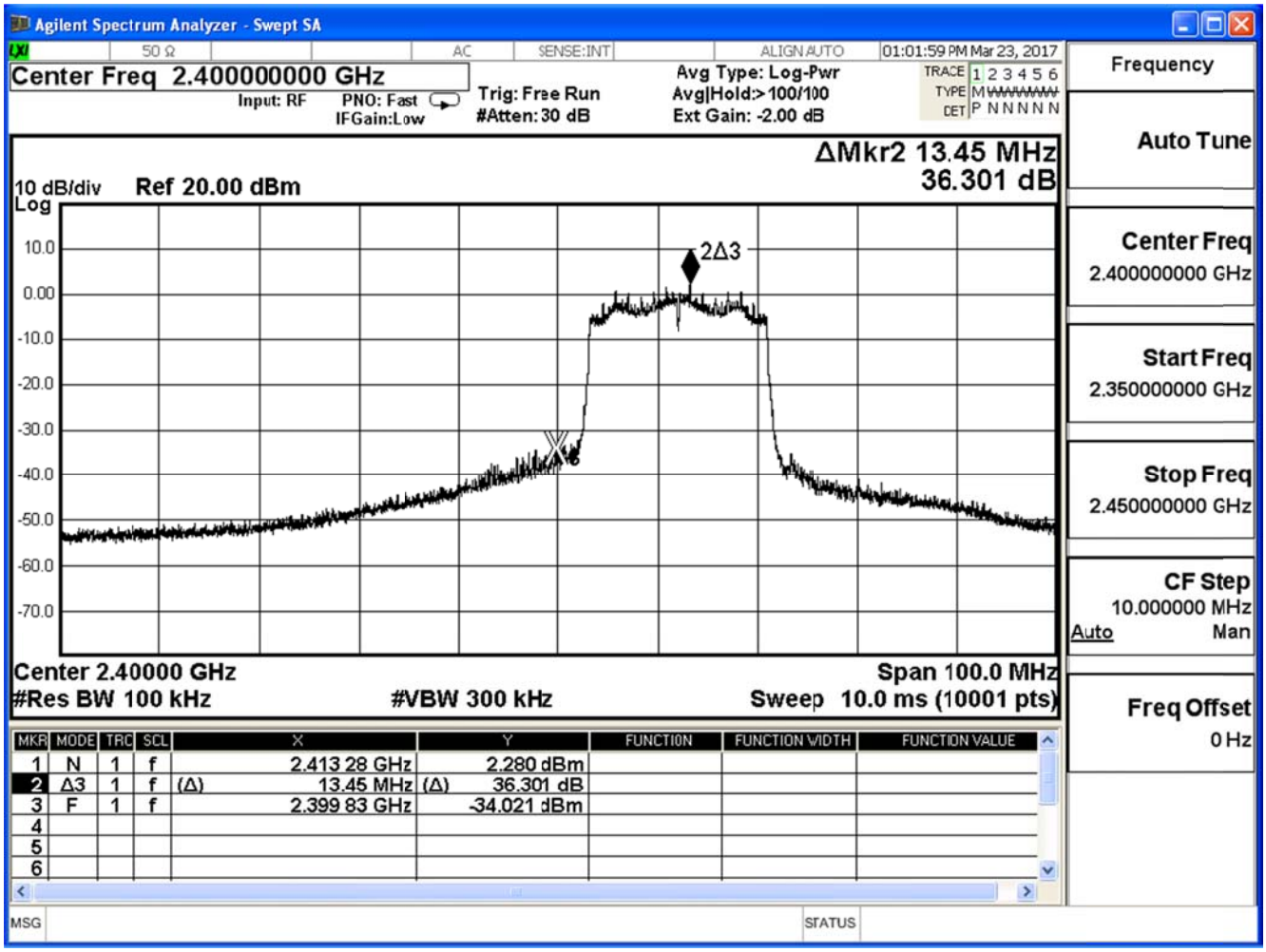
Channel 11


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
12:57:31 PM Mar 23, 2017
ΔMkr2 -20.32 MHz
46.291 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.463 28 GHz 2.093 dBm
2 Δ3 1 f (Δ) -20.32 MHz (Δ) 46.291 dB
3 F 1 f 2.483 60 GHz -44.198 dBm
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

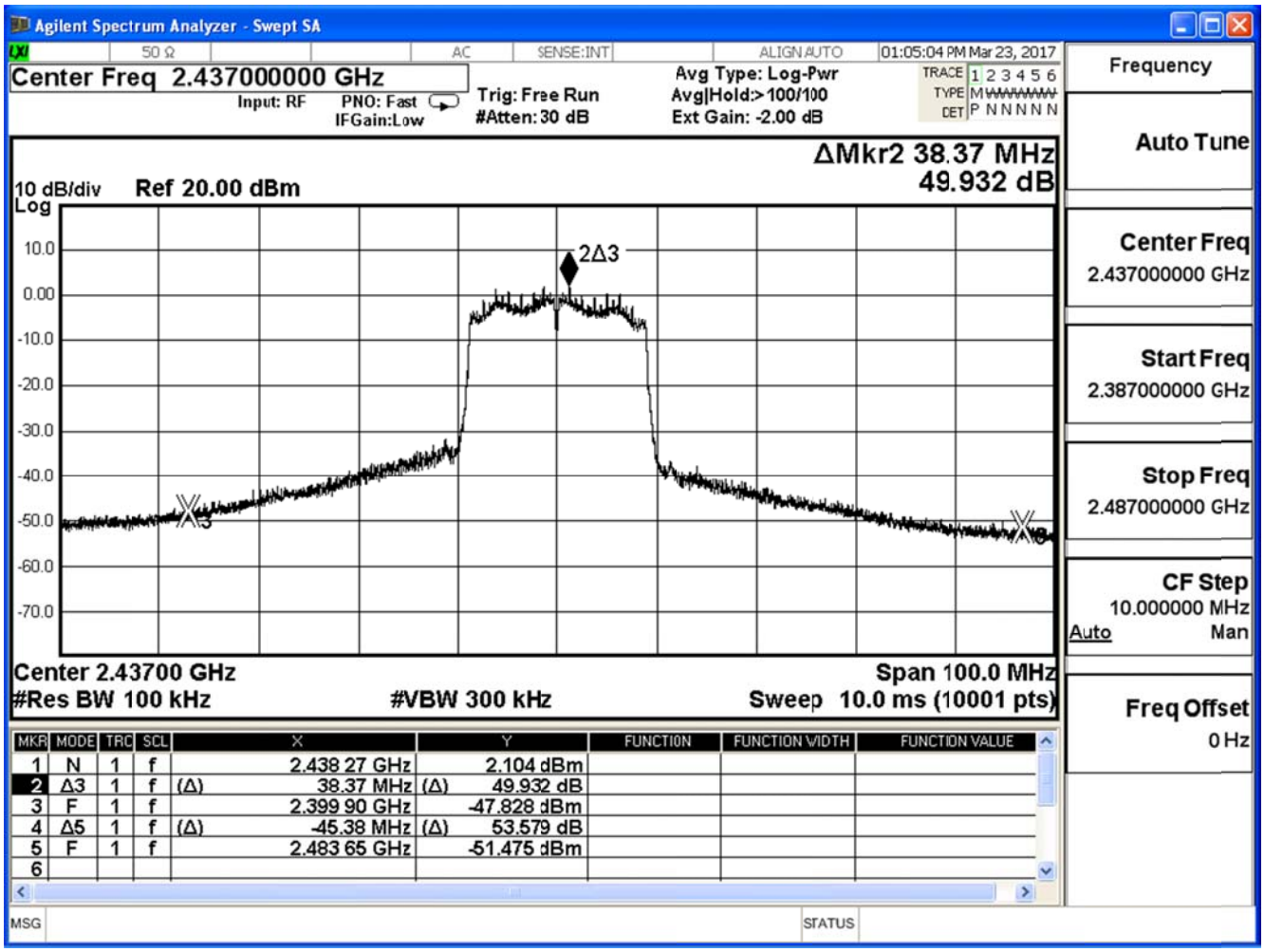
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n_20M (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	36.301	≧20	Pass
6	2437	49.932	≧20	Pass
11	2462	45.608	≧20	Pass

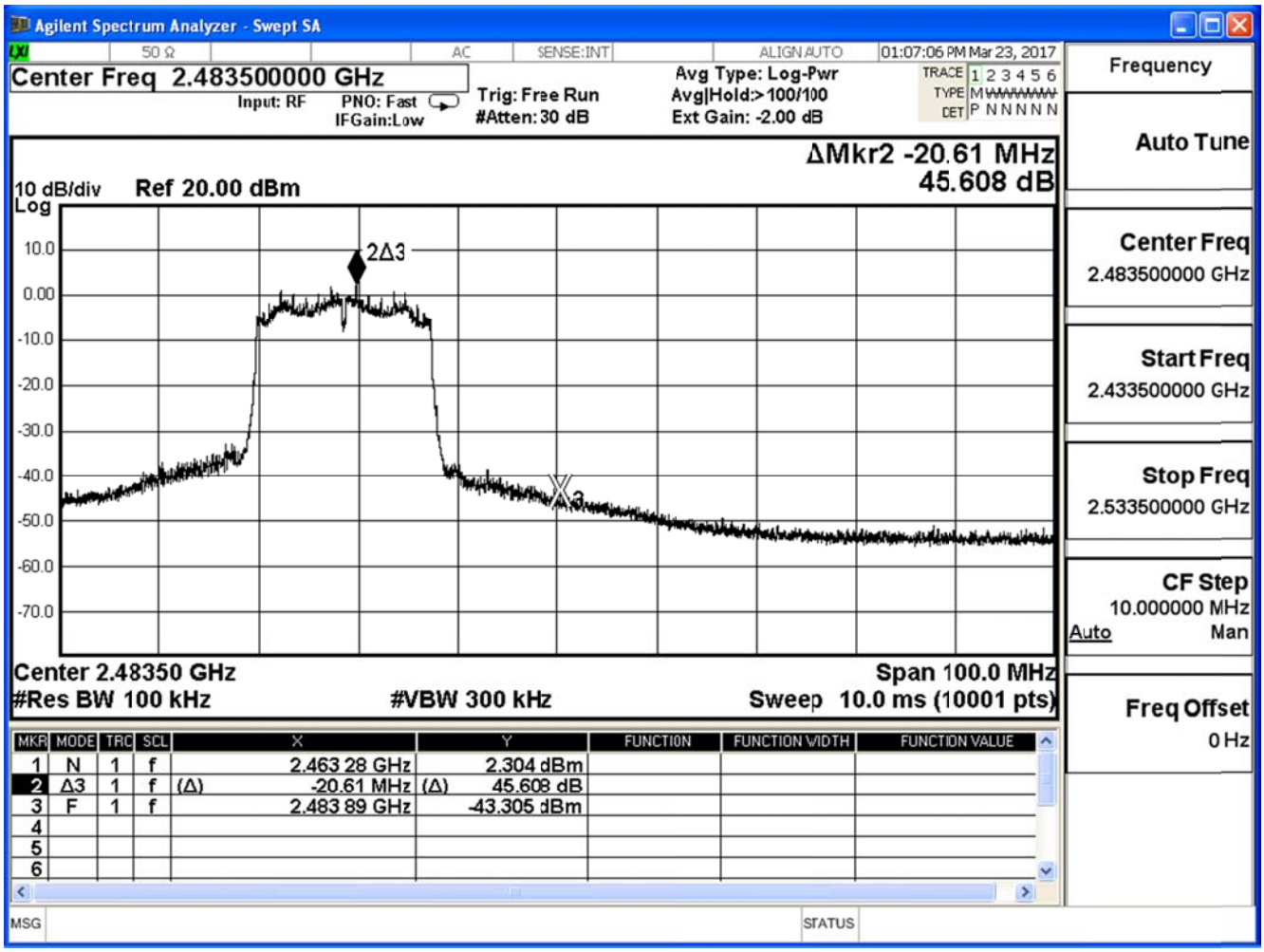
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
01:05:04 PM Mar 23, 2017
ΔMkr2 38.37 MHz
49.932 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.438 27 GHz 2.104 dBm
2 Δ3 1 f (Δ) 38.37 MHz (Δ) 49.932 dB
3 F 1 f 2.399 90 GHz -47.828 dBm
4 Δ5 1 f (Δ) -45.38 MHz (Δ) 53.579 dB
5 F 1 f 2.483 65 GHz -51.475 dBm
6
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

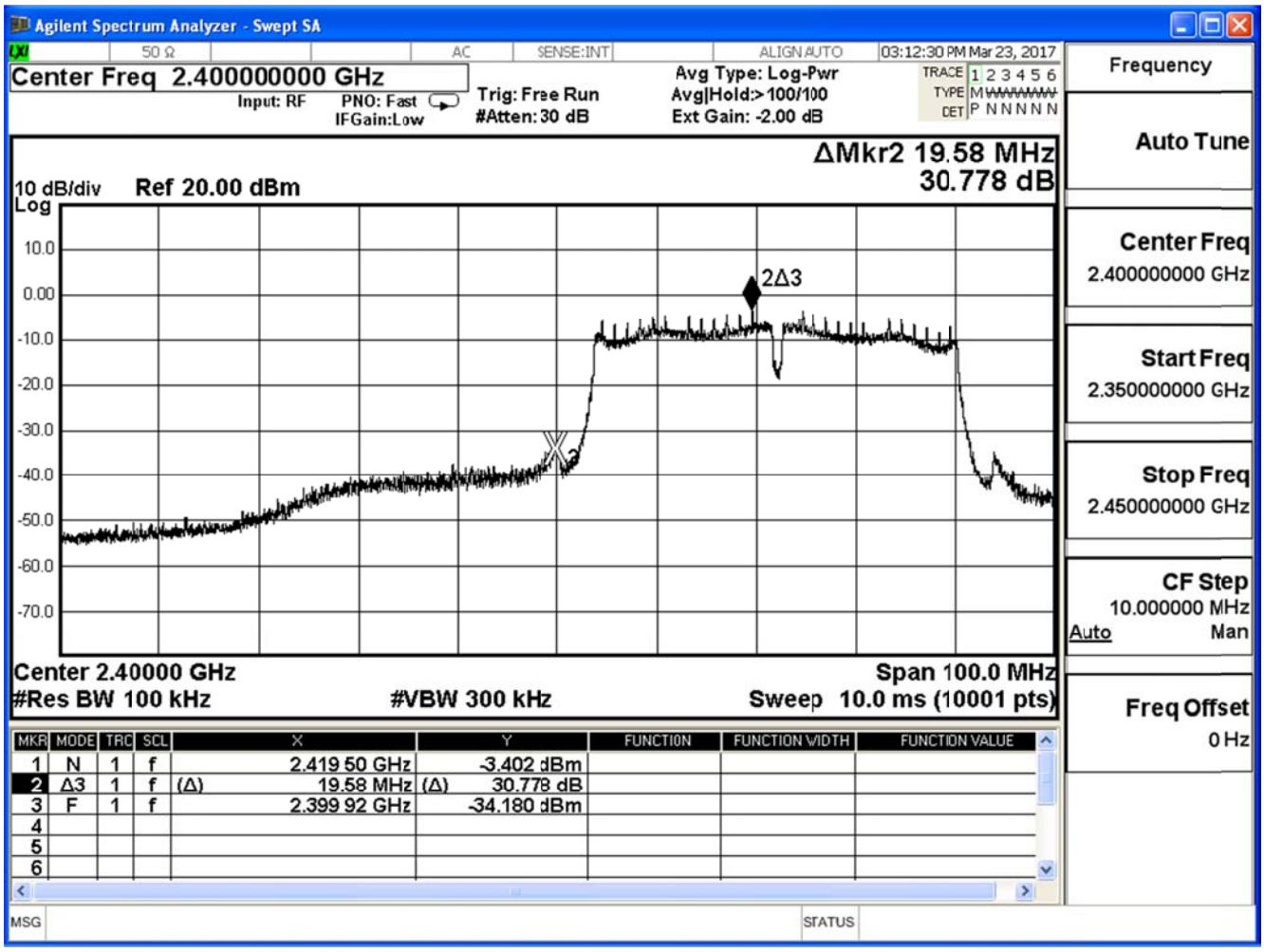
Channel 11


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
01:07:06 PM Mar 23, 2017
ΔMkr2 -20.61 MHz
45.608 dB
10 dB/div
Log
Ref 20.00 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.463 28 GHz 2.304 dBm
2 Δ3 1 f (Δ) -20.61 MHz (Δ) 45.608 dB
3 F 1 f 2.483 89 GHz -43.305 dBm
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

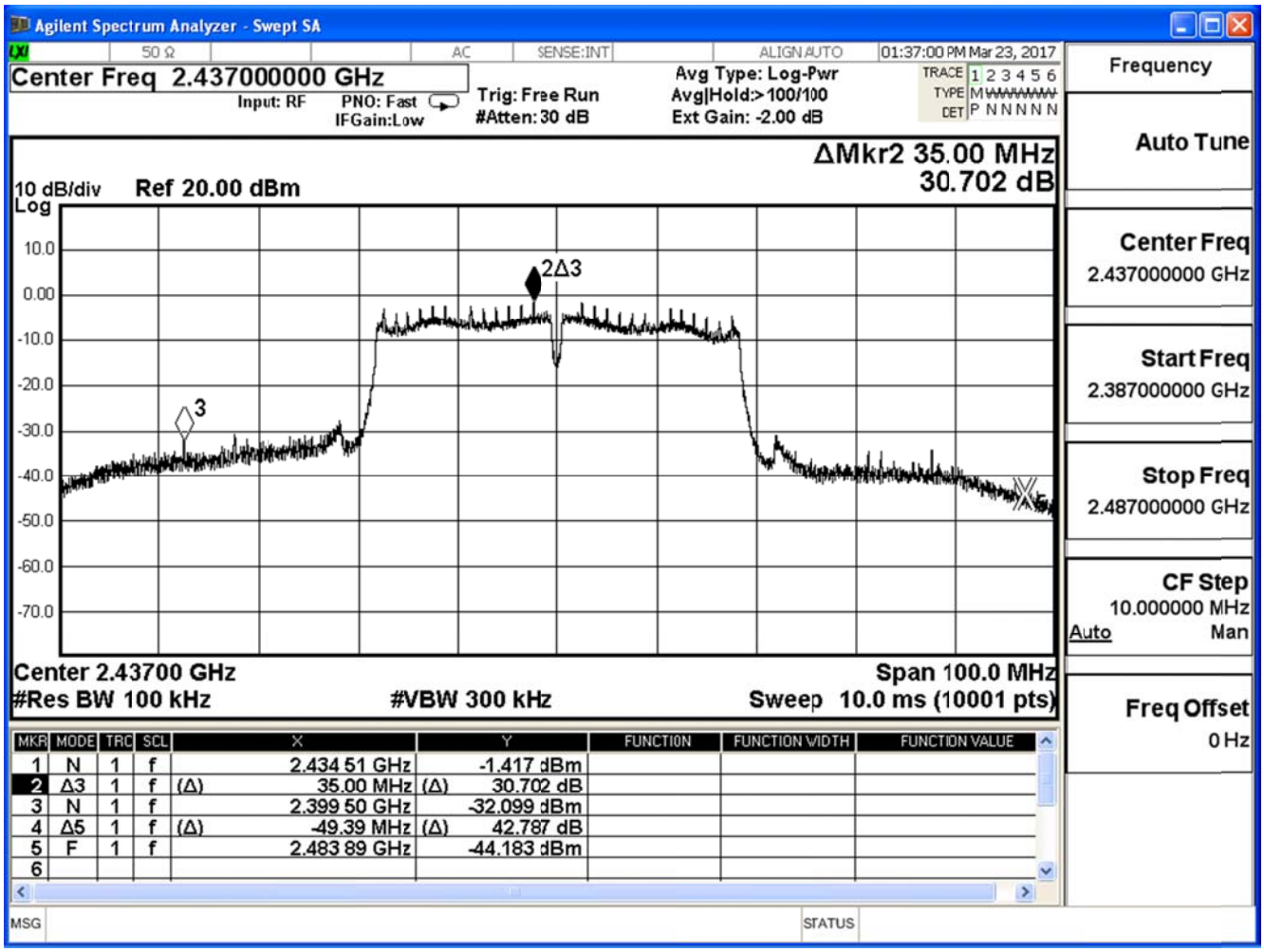
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n_40M (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	30.778	≧20	Pass
6	2437	30.702	≧20	Pass
9	2452	35.655	≧20	Pass

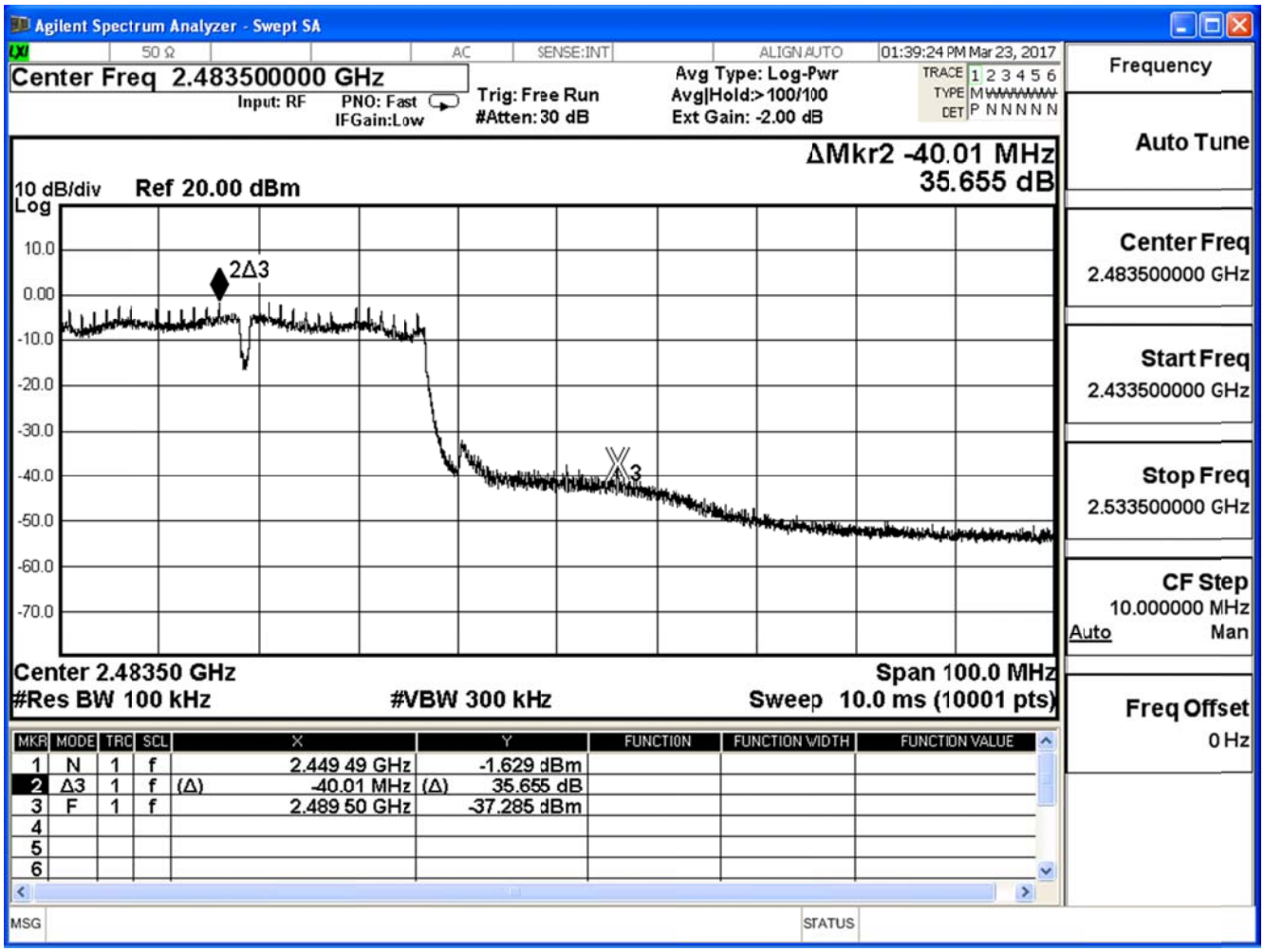
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
01:37:00 PM Mar 23, 2017
ΔMkr2 35.00 MHz
30.702 dB
10 dB/div
Log
Ref 20.00 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.434 51 GHz -1.417 dBm
2 Δ3 1 f (Δ) 35.00 MHz (Δ) 30.702 dB
3 N 1 f 2.399 50 GHz -32.099 dBm
4 Δ5 1 f (Δ) -49.39 MHz (Δ) 42.787 dB
5 F 1 f 2.483 89 GHz -44.183 dBm
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

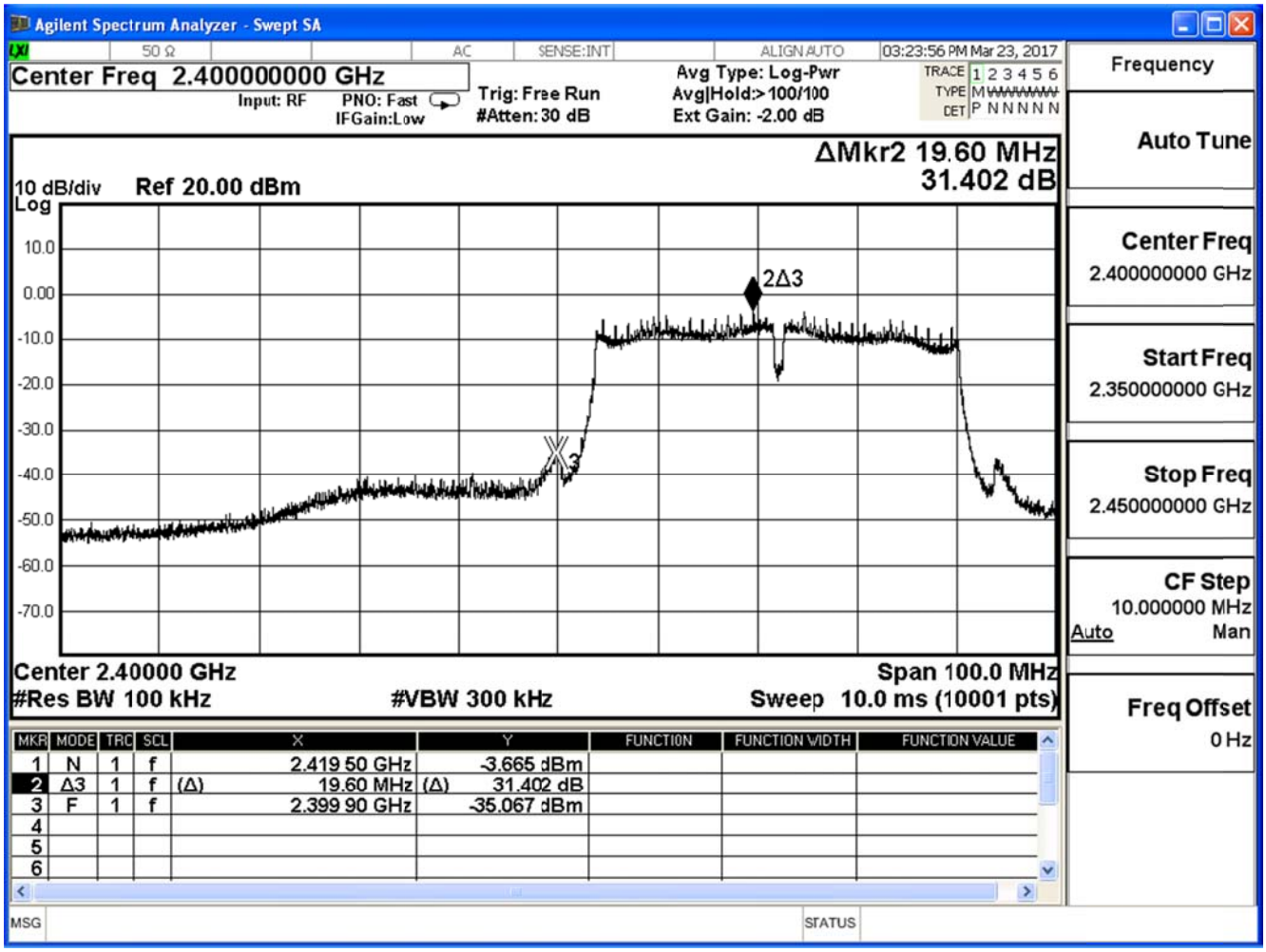
Channel 9


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
01:39:24 PM Mar 23, 2017
ΔMkr2 -40.01 MHz
35.655 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.449 49 GHz -1.629 dBm
2 Δ3 1 f (Δ) -40.01 MHz (Δ) 35.655 dB
3 F 1 f 2.489 50 GHz -37.285 dBm
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

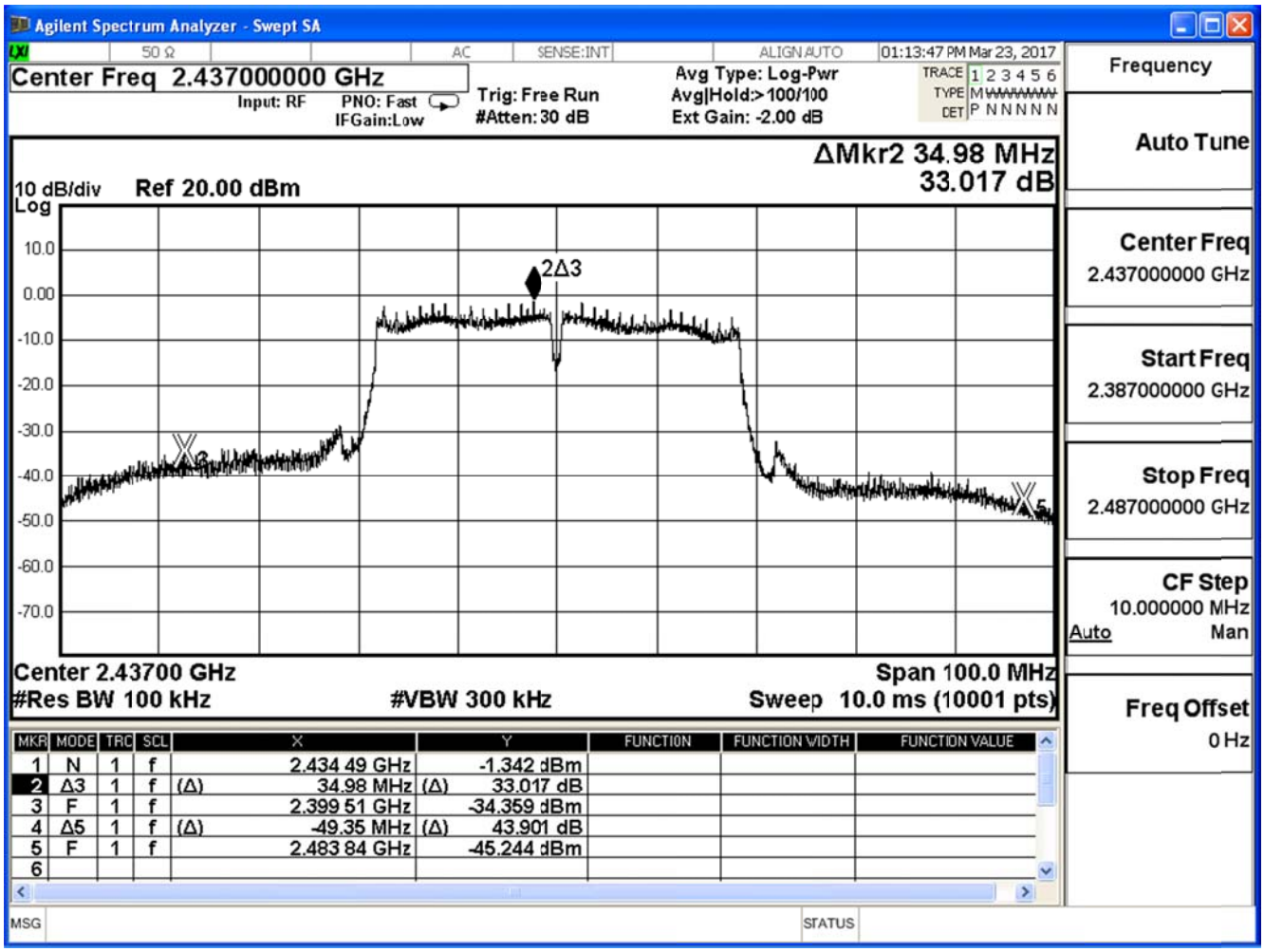
Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

IEEE 802.11n_40M (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	31.402	≧20	Pass
6	2437	33.017	≧20	Pass
9	2452	36.905	≧20	Pass

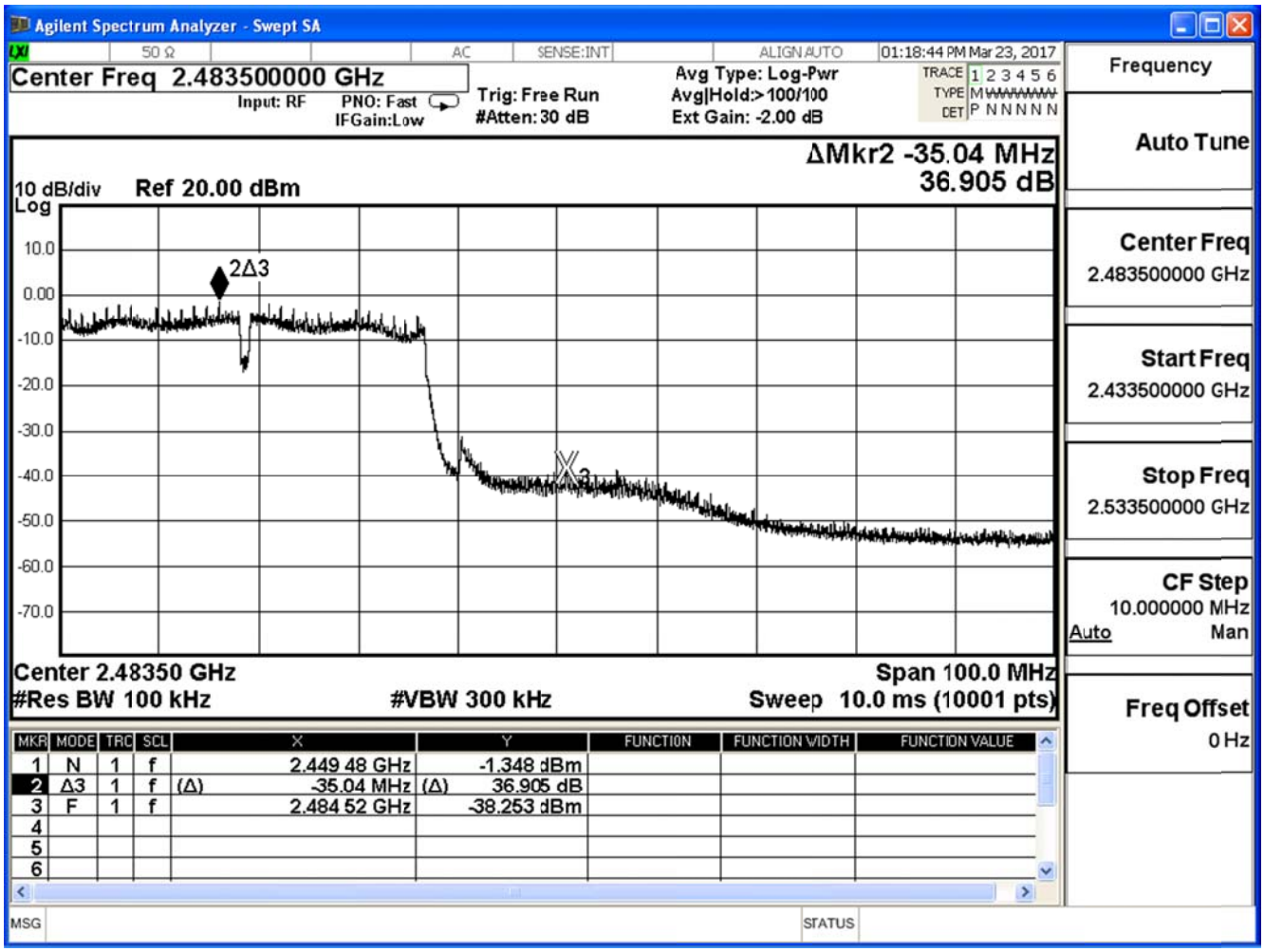
Channel 3



Channel 6

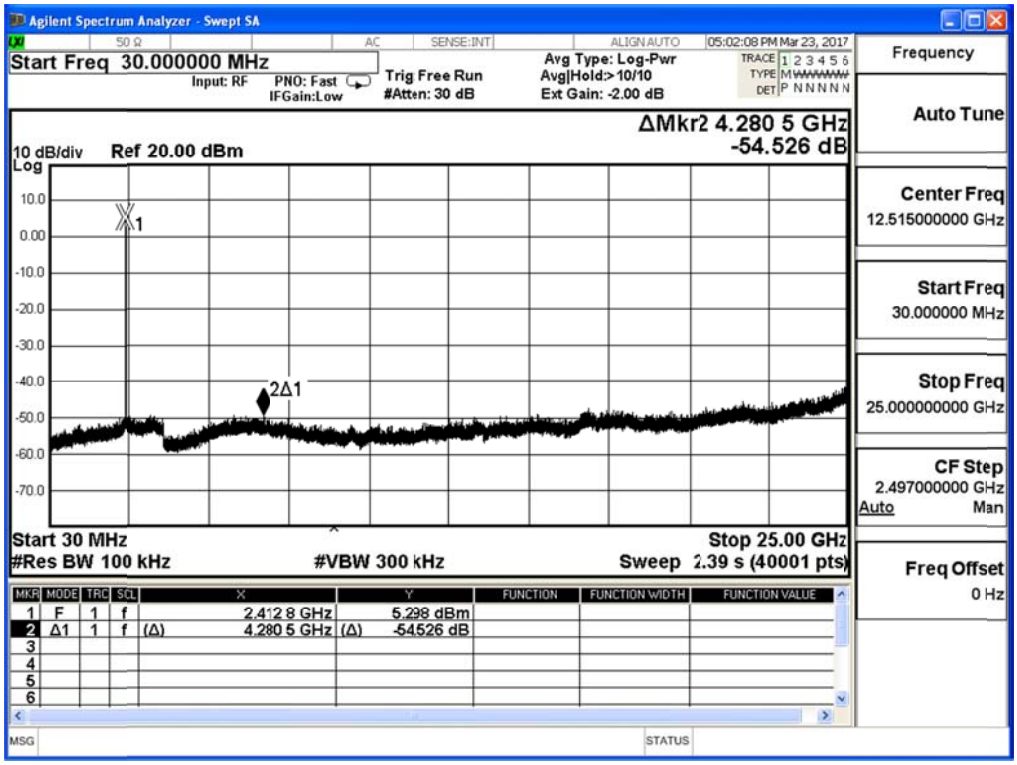

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
01:13:47 PM Mar 23, 2017
ΔMkr2 34.98 MHz
33.017 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.434 49 GHz -1.342 dBm
2 Δ3 1 f (Δ) 34.98 MHz (Δ) 33.017 dB
3 F 1 f 2.399 51 GHz -34.359 dBm
4 Δ5 1 f (Δ) -49.35 MHz (Δ) 43.901 dB
5 F 1 f 2.483 84 GHz -45.244 dBm
6
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Channel 9

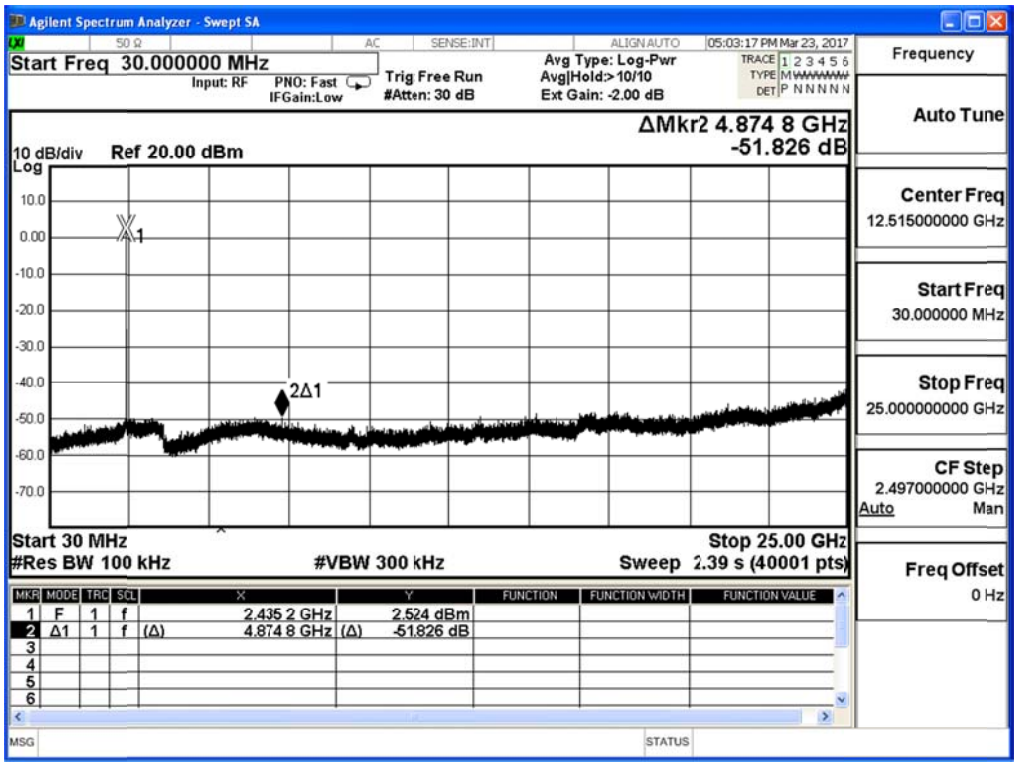

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
01:18:44 PM Mar 23, 2017
ΔMkr2 -35.04 MHz
36.905 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.449 48 GHz -1.348 dBm
2 Δ3 1 f (Δ) -35.04 MHz (Δ) 36.905 dB
3 F 1 f 2.484 52 GHz -38.253 dBm
4
5
6
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx_SISO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

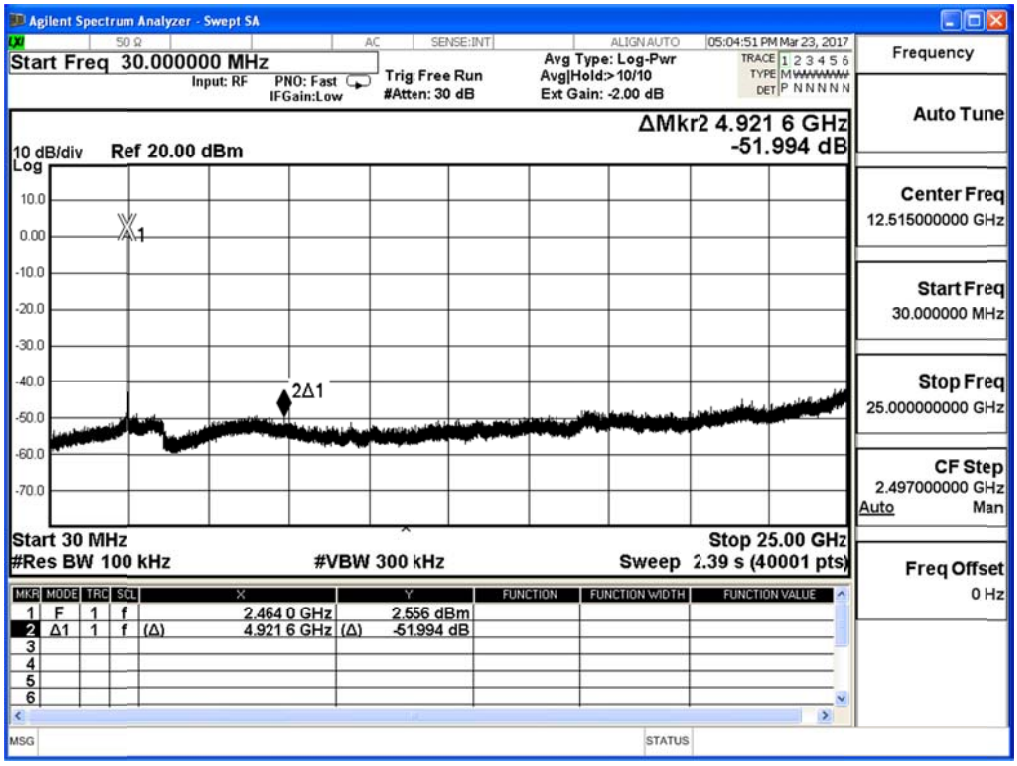
2412MHz (30MHz-25GHz)-802.11b (ANT 0)



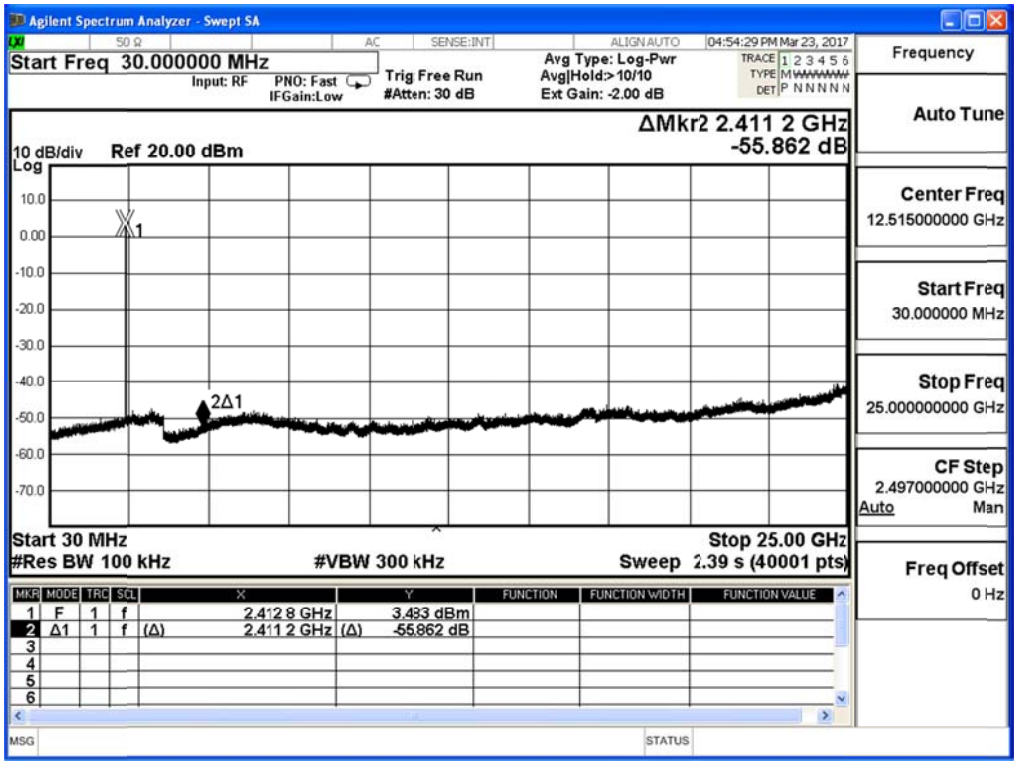
2437MHz (30MHz-25GHz)-802.11b (ANT 0)



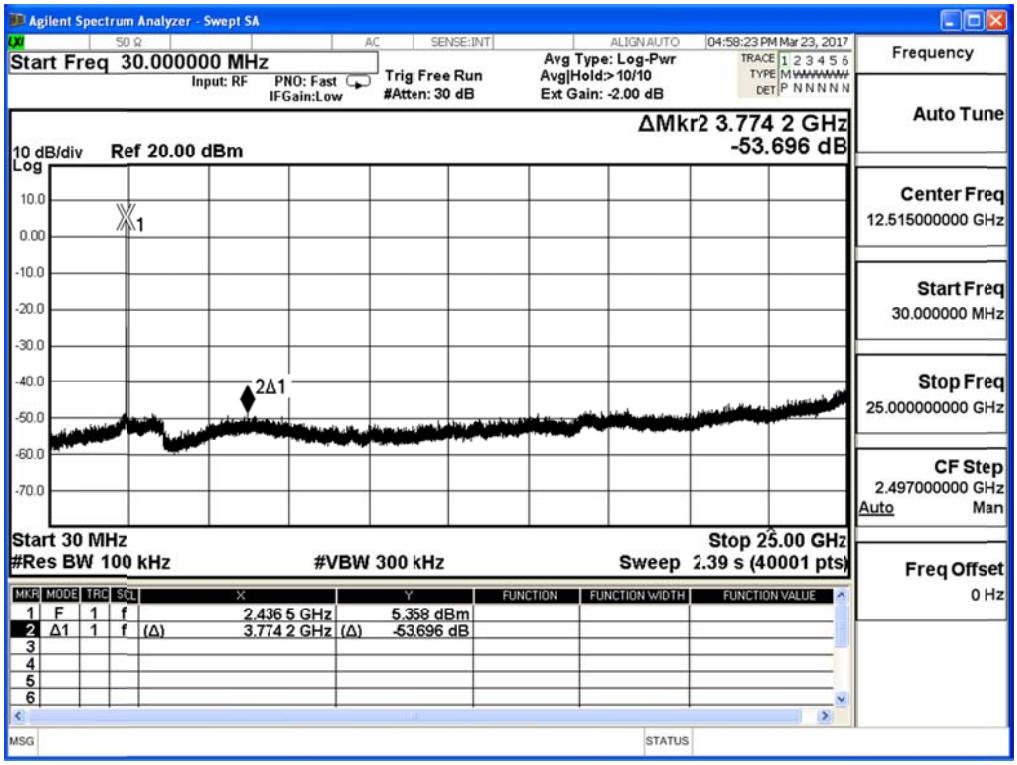
2462MHz (30MHz-25GHz)-802.11b (ANT 0)



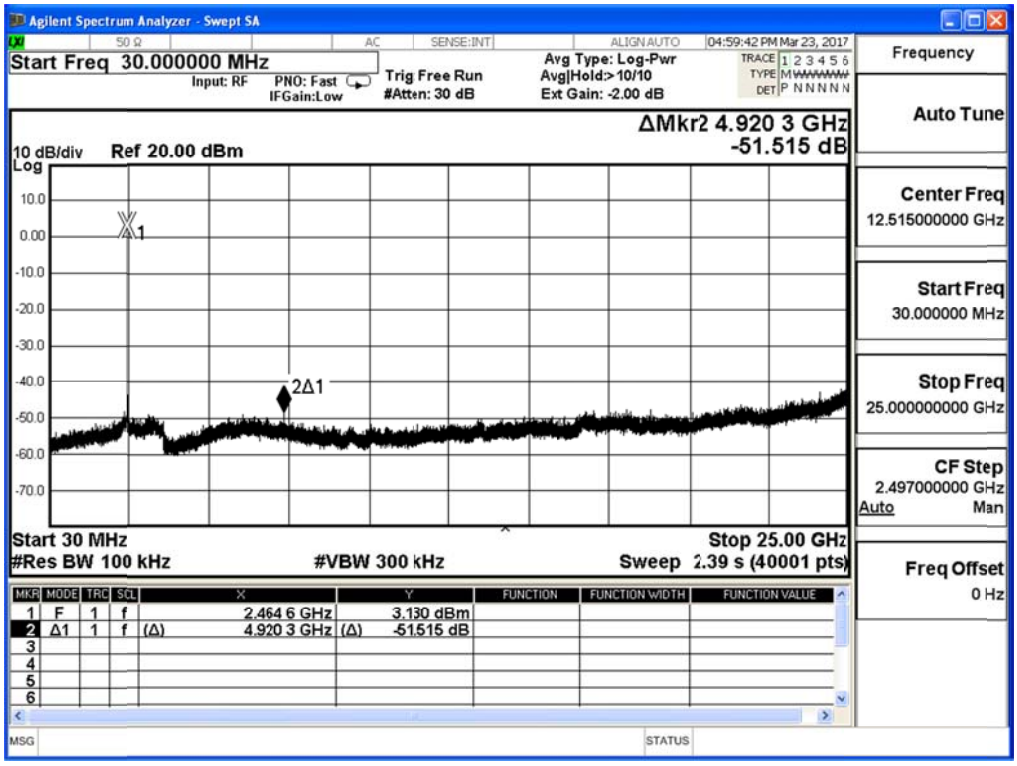
2412MHz (30MHz-25GHz)-802.11b (ANT 1)



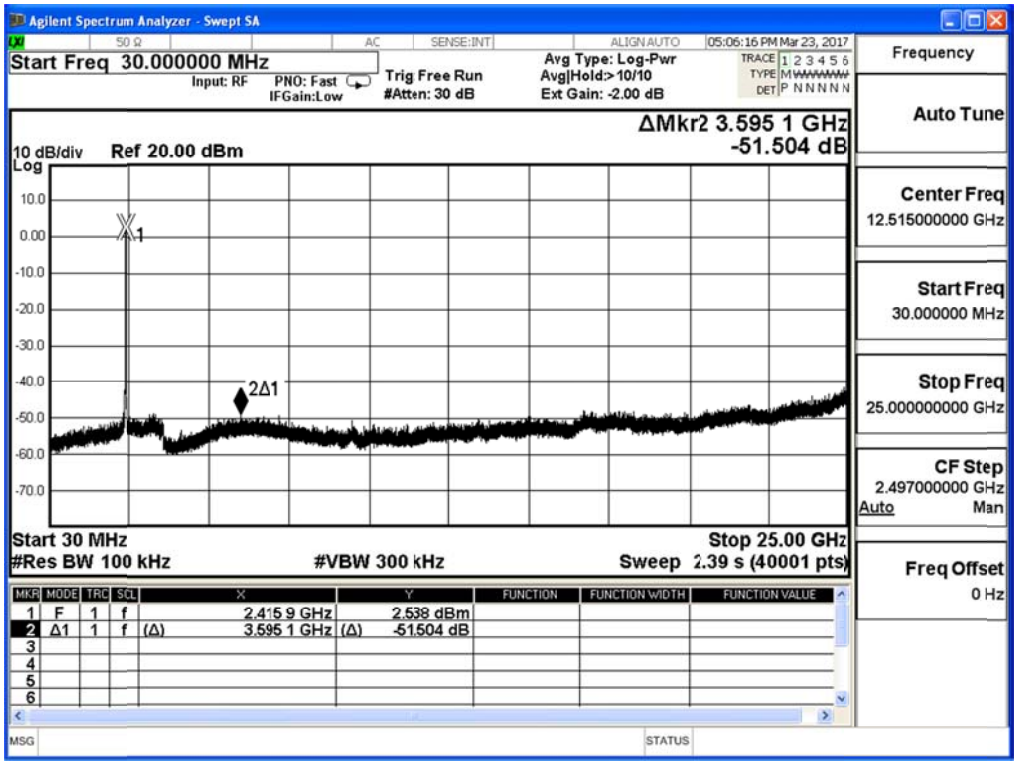
2437MHz (30MHz-25GHz)-802.11b (ANT 1)



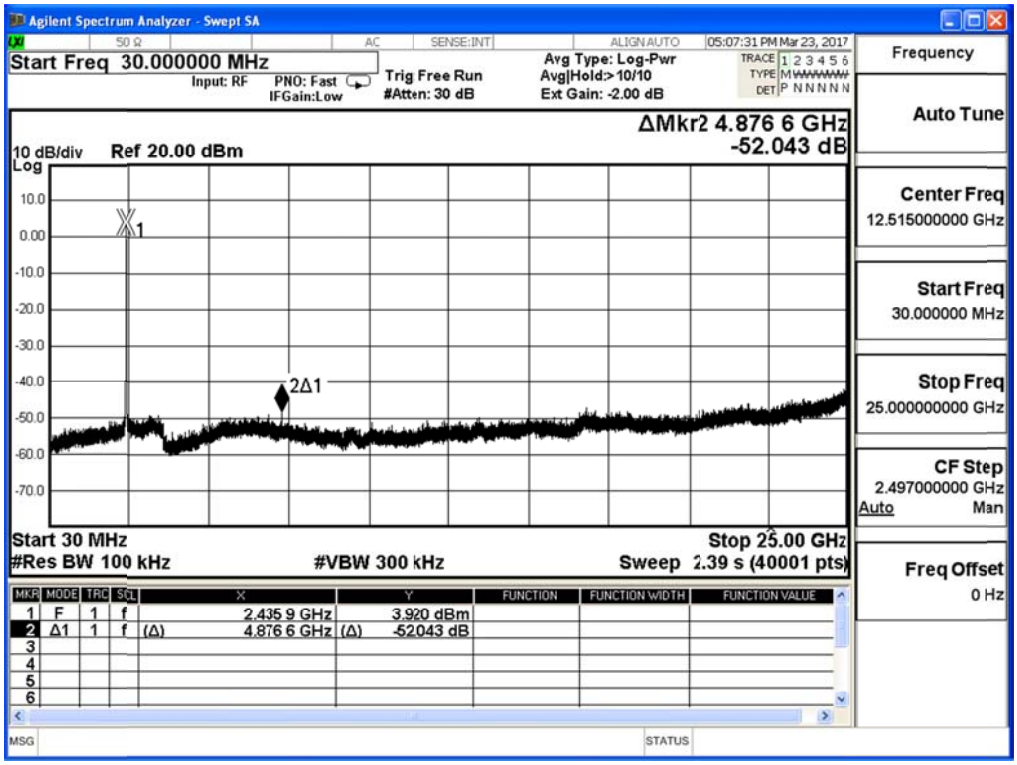
2462MHz (30MHz-25GHz)-802.11b (ANT 1)



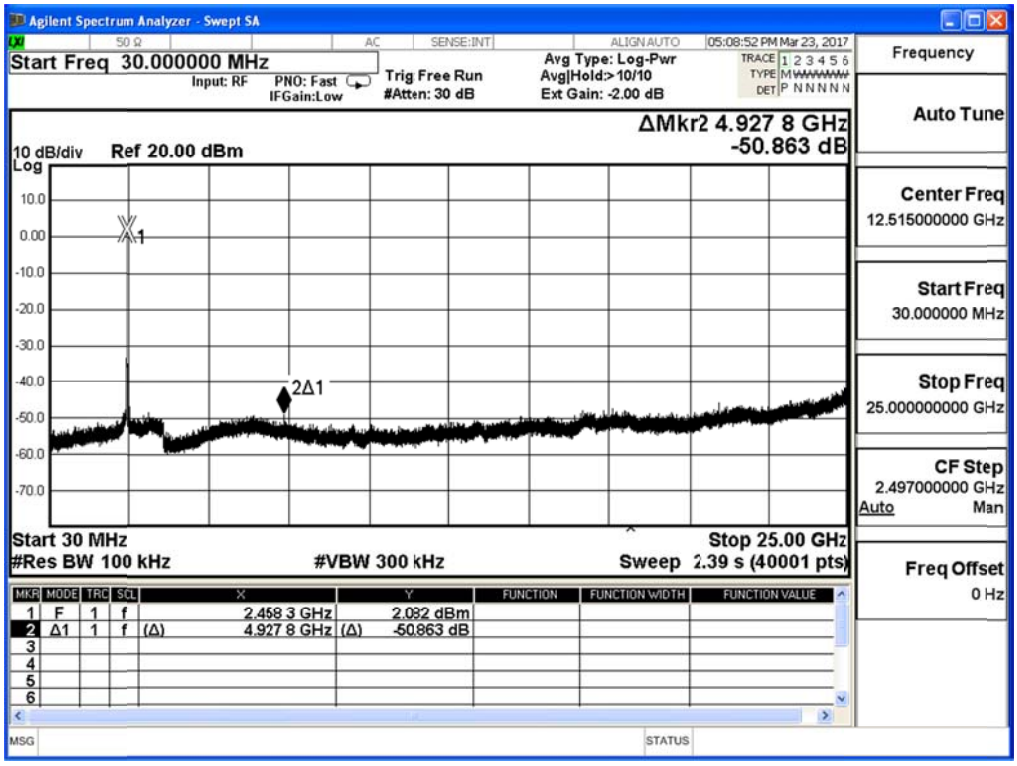
2412MHz (30MHz-25GHz)-802.11g (ANT 0)



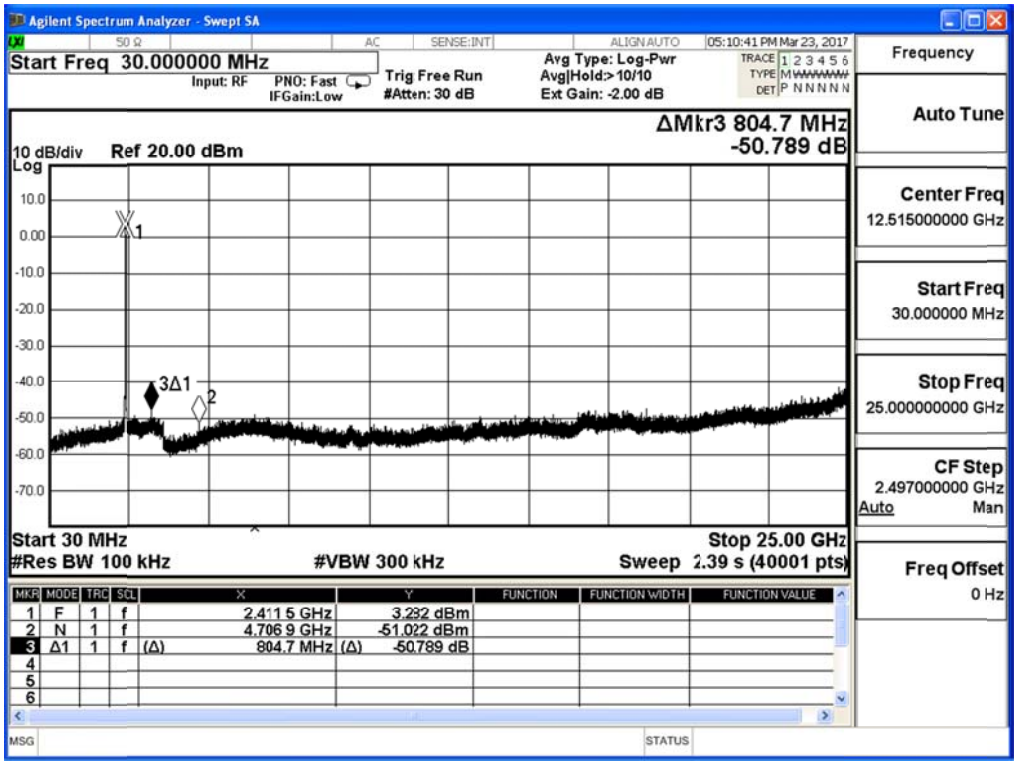
2437MHz (30MHz-25GHz)-802.11 g (ANT 0)



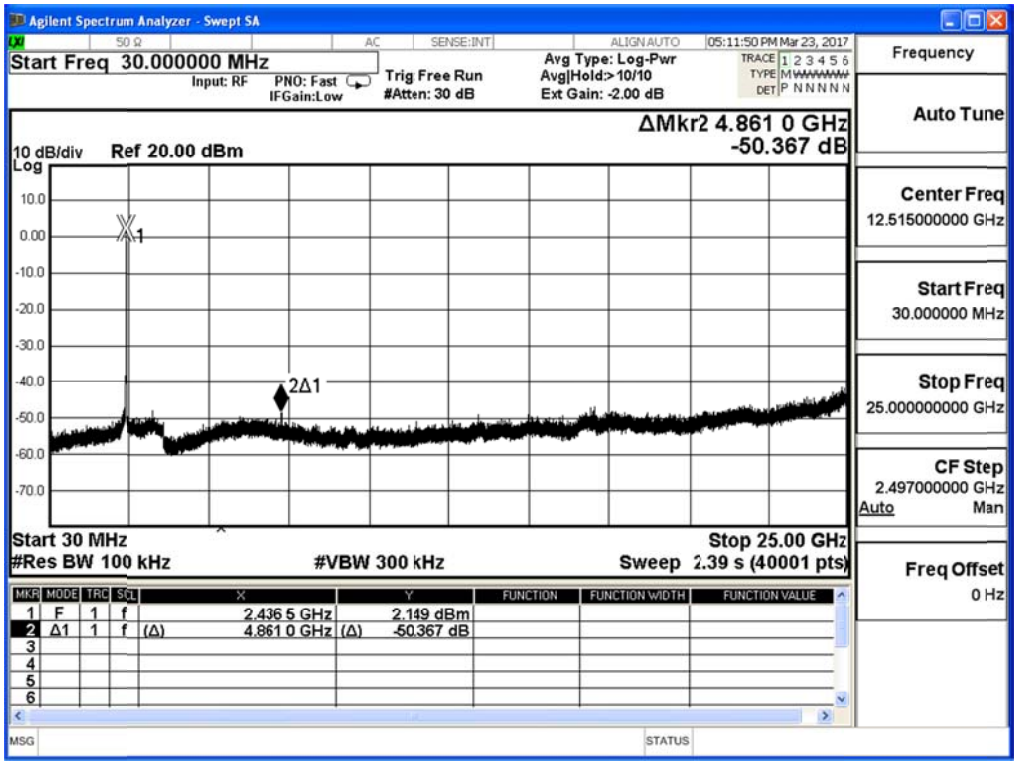
2462MHz (30MHz-25GHz)-802.11g (ANT 0)



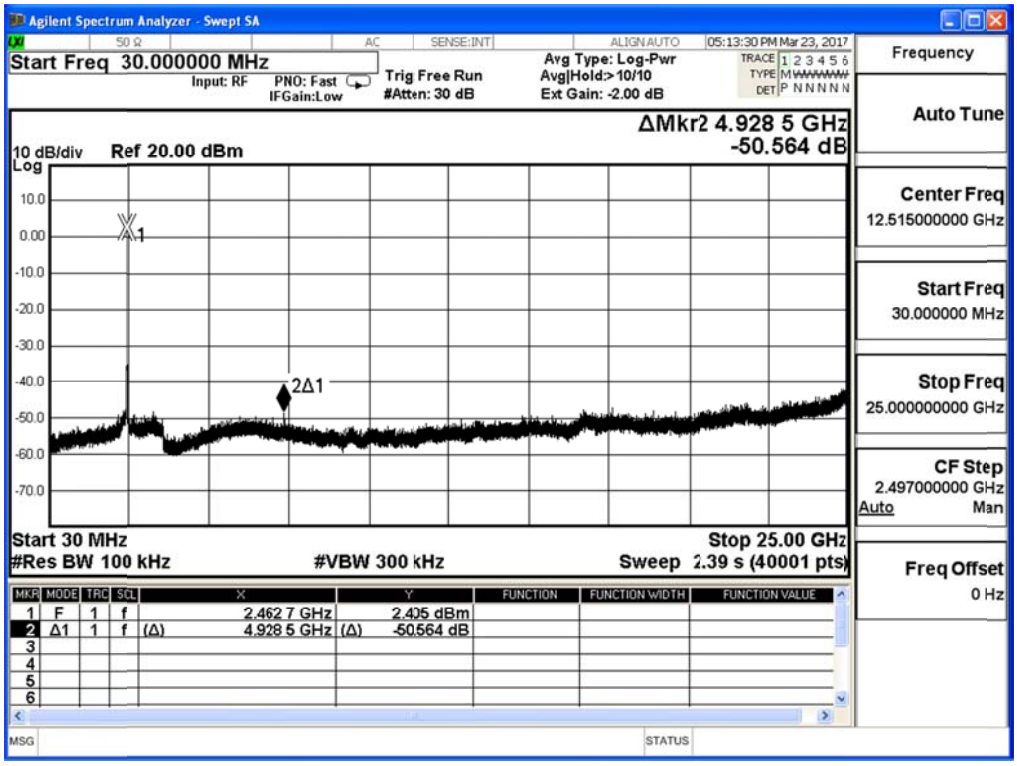
2412MHz (30MHz-25GHz)-802.11g (ANT 1)



2437MHz (30MHz-25GHz)-802.11 g (ANT 1)

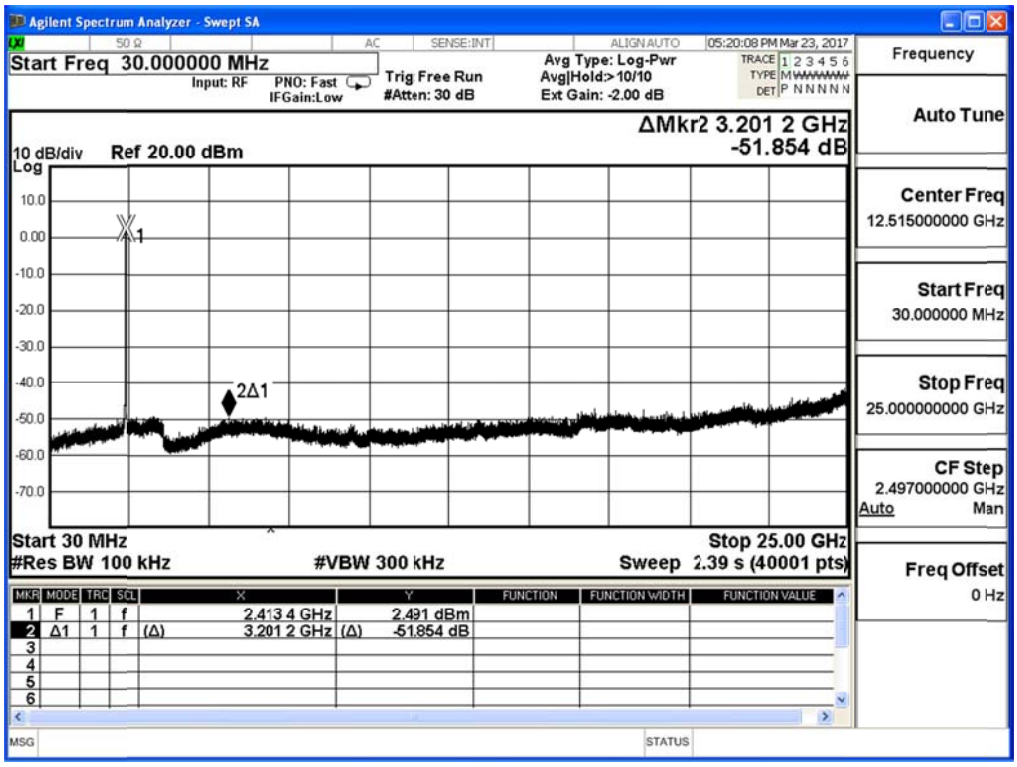


2462MHz (30MHz-25GHz)-802.11g (ANT 1)



Product	UHD551-L		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Tx_MIMO Mode		
Date of Test	2017/03/23	Test Site	SR10-H

2412MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 0)



2437MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 0)