FCC Test Report

Product Name	：	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP
Trade Name	：	IgniteNet
Model No.	：	SP-W2-AC1200
FCC ID.	：	HED-SPW2AC1200

Applicant	：	Accton Technology Corp
Address	：	No.1, Creation Rd. III, Science-based Industrial Park, Hsinchu, Taiwan, R.O.C.

Date of Receipt	：	Jul. 14, 2017
Issued Date	：	Aug. 23, 2017
Report No.	：	1770196R-RFUSP57V00
Report Version	：	V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Aug. 23, 2017
Report No. : 1770196R-RFUSP57V00

Product Name	:	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP
Applicant	:	Accton Technology Corp
Address	:	No.1, Creation Rd. III, Science-based Industrial Park, Hsinchu, Taiwan, R.O.C.
Manufacturer	:	Accton Technology Corp
Model No.	:	SP-W2-AC1200
FCC ID.	:	HED-SPW2AC1200
EUT Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	IgniteNet
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E Section 15.407: 2015 ANSI C63.10: 2013 KDB 789033.D02 v01r04 KDB 644545 D03 V01/KDB 662911 D01 V02r01
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By : Lyla Yang
(Lyla Yang / Engineering Adm. Specialist)

Tested By : clemens fang
(Clemens Fang / Engineer)

Approved By : Roy Wang
(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1770196R-RFUSP57V00	V1.0	Initial issue of report	Aug. 23, 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, Designation Number of test firm: TW3024**
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 test sites as below:

1 No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan (R.O.C.)
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : info.tw@dekra.com

2 No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

3 No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

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1. General Information

1.1. EUT Description

Product Name	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	
Product Type	WLAN	
Trade Name	ASUS	
Model No.	SP-W2-AC1200	
Frequency Range/ Channel Number	IEEE 802.11a/ IEEE 802.11n (20MHz) / IEEE 802.11ac (20MHz)	5180~5240MHz / 4 Channels 5745~5825MHz / 5 Channels
	IEEE 802.11n (40MHz) / IEEE 802.11ac (40MHz)	5190~5230MHz / 2 Channels 5755~5795MHz / 2 Channels
	IEEE 802.11ac (80MHz)	5210~5210MHz / 1 Channel 5775~5775MHz / 1 Channel
Type of Modulation	IEEE 802.11a/n/ac	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed	IEEE 802.11a	6, 9, 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
	IEEE 802.11ac	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac

Antenna Information	
MFR. / Model	Ant0: Accton / 120G00000172X Ant1: Accton / 120G00000173X
Antenna Type	PIFA Antenna
Antenna Gain	8 dBi

Accessories Information	
Power Adatper	MASS POWER, NBS12E120100VU I/P : 100-240V~, 50/60Hz 0.3A O/P : 12.0V ⎓ 1.0A Cable Out: Non-Shielded, 1.6m

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX			RX		
Mode/ Channel Bandwidth	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz
IEEE802.11a	✓			✓		
IEEE802.11n	✓	✓		✓	✓	
IEEE802.11ac	✓	✓	✓	✓	✓	✓

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 802.11ac Data Rate

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)					
				20 MHz		40 MHz		80 MHz	
				Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5
	1	QPSK	1/2	13	14.4	27	30	58.5	65
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5
	3	16-QAM	1/2	26	28.9	54	60	117	130
	4	16-QAM	3/4	39	43.3	81	90	175.5	195
	5	64-QAM	2/3	52	57.8	108	120	234	260
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5
	7	64-QAM	5/6	65	72.2	135	150	292.5	325
	8	256-QAM	3/4	78	86.7	162	180	351	390
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3
2	0	BPSK	1/2	13	14.4	27	30	58.6	65
	1	QPSK	1/2	26	28.8	54	60	117	130
	2	QPSK	3/4	39	43.4	81	90	175.6	195
	3	16-QAM	1/2	52	57.8	108	120	234	260
	4	16-QAM	3/4	78	86.6	162	180	351	390
	5	64-QAM	2/3	104	115.6	216	240	468	520
	6	64-QAM	3/4	117	130	243	270	526.6	585
	7	64-QAM	5/6	130	144.4	270	300	585	650
	8	256-QAM	3/4	156	173.4	324	360	702	780
	9	256-QAM	5/6	N/A	N/A	360	400	780	866.6

IEEE 802.11a & IEEE 802.11n (20MHz) & IEEE 802.11ac (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz						

IEEE 802.11n (40MHz) & IEEE 802.11ac (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz	159	5795 MHz

IEEE 802.11ac (80MHz)

Working Frequency of Each Channel	
Channel	Frequency
42	5210 MHz
155	5775 MHz

Note:

1. This device is a Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP including 2.4GHz b/g/n (2x2) and 5GHz a/n/ac (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.

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_CDD Mode (802.11 a) Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11ac (80MHz)	42/155	0+1	Complies
99% & 26dB & DTS Bandwidth	a	36/44/48/149/157/165	0/1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0/1	Complies
	11n/ac (40MHz)	38/46/151/159	0/1	Complies
	11ac (80MHz)	42/155	0/1	Complies
Peak Transmit Output	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Peak Power Spectrum Density	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Radiated Emission	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Band Edge	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Frequency Stability	a	36/44/48/149/157/165	0/1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0/1	Complies
	11n/ac (40MHz)	38/46/151/159	0/1	Complies
	11ac (80MHz)	42/155	0/1	Complies

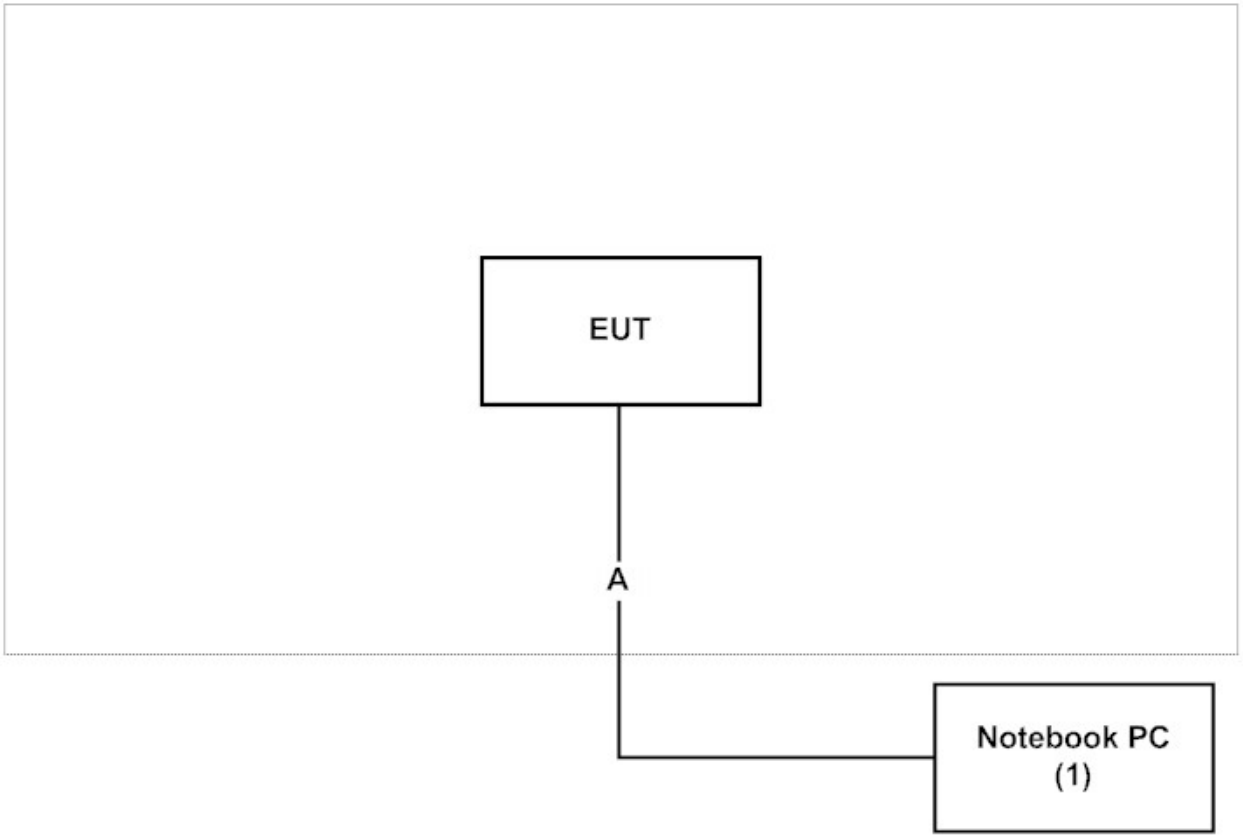
1.3. Tested System Details

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	DELL	LATITUDE D400	GK43D1S	D℃	Non-Shielded, 1.7m, one ferrite core bonded

1.4. Configuration of tested System

Connection Diagram



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

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the “QRCT.exe” on the EUT.
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	Test Site
Temperature (°C)	FCC PART 15E 15.407 Conducted Emission	15 - 35	20°C	3
Humidity (%RH)		25 - 75	50%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15E 15.407 99% & 26dB & DTS Bandwidth	15 - 35	25°C	3
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15E 15.407 Peak Transmit Power	15 - 35	25°C	3
Humidity (%RH)		25 - 75	65%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15E 15.407 Peak Power Spectrum Density	15 - 35	25°C	3
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15E 15.407 Radiated Emission	15 - 35	25°C	2
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15E 15.407 Band Edge	15 - 35	25°C	2
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15E 15.407 Frequency Stability	15 - 35	25°C	3
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test Site information refers to Laboratory Information.

1.7. Duty Cycle

Modulation	Duty cycle	Radiated offset
IEEE 802.11a	0.9658	0.3023
IEEE 802.11ac (20MHz)	0.9700	0.2646
IEEE 802.11ac (40MHz)	0.9432	0.5079
IEEE 802.11ac (80MHz)	0.8899	1.0132

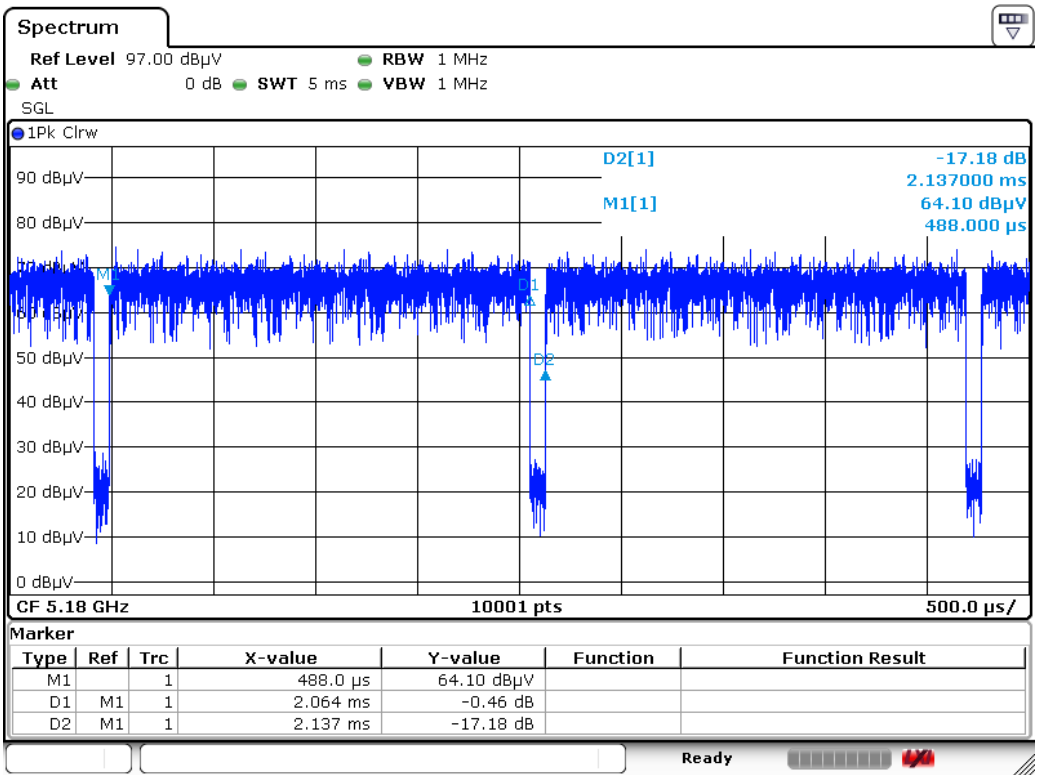
Note: Offset = 20 log(1/duty cycle)

Accotding to KDB 789033

If power averaging (rms) mode was used in step (iv) above, the correction factor is 10 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

If linear voltage averaging mode was used in step (iv) above, the correction factor is 20 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.

IEEE 802.11a



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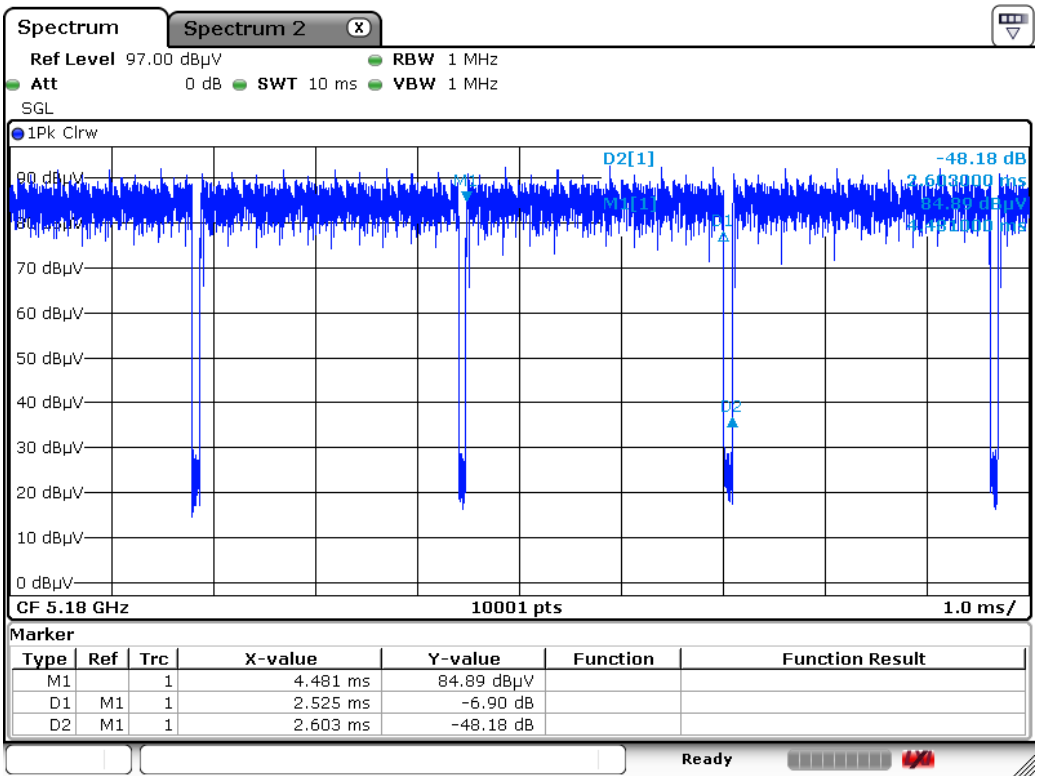
IEEE 802.11ac (20MHz)



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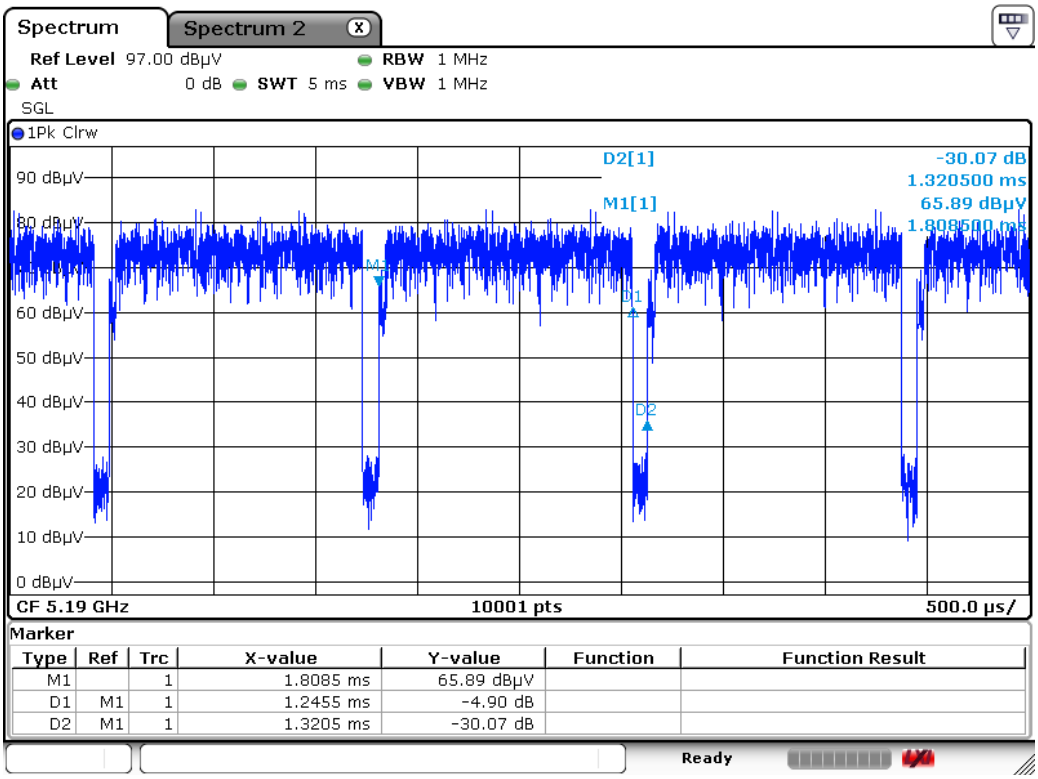
IEEE 802.11ac (40MHz)



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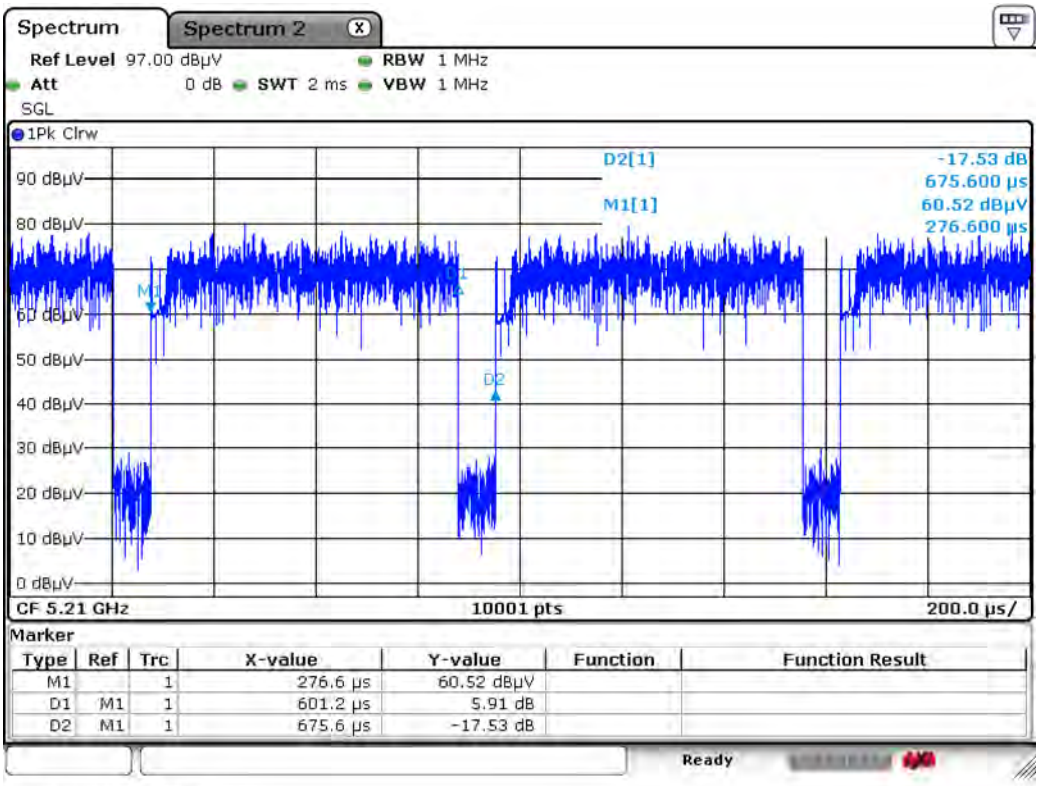
IEEE 802.11ac (80MHz)



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2. Conducted Emission

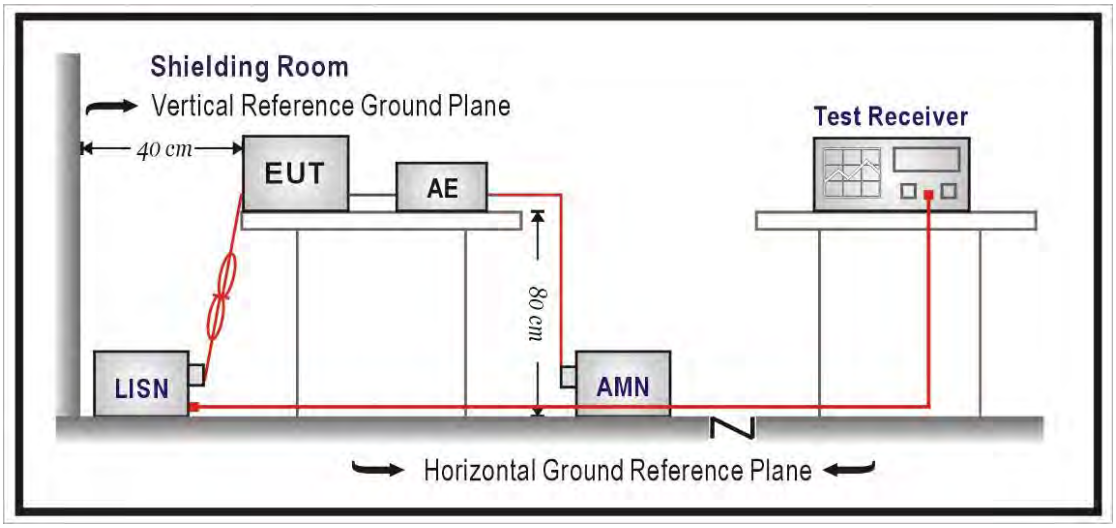
2.1. Test Equipment

The following test equipments are used during the test:

Conducted Emission /SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/02/06	2018/02/05
Test Receiver	R&S	ESCS 30	836858/022	2017/04/12	2018/04/11
LISN	R&S	ENV216	100092	2017/07/31	2018/07/30

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. 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

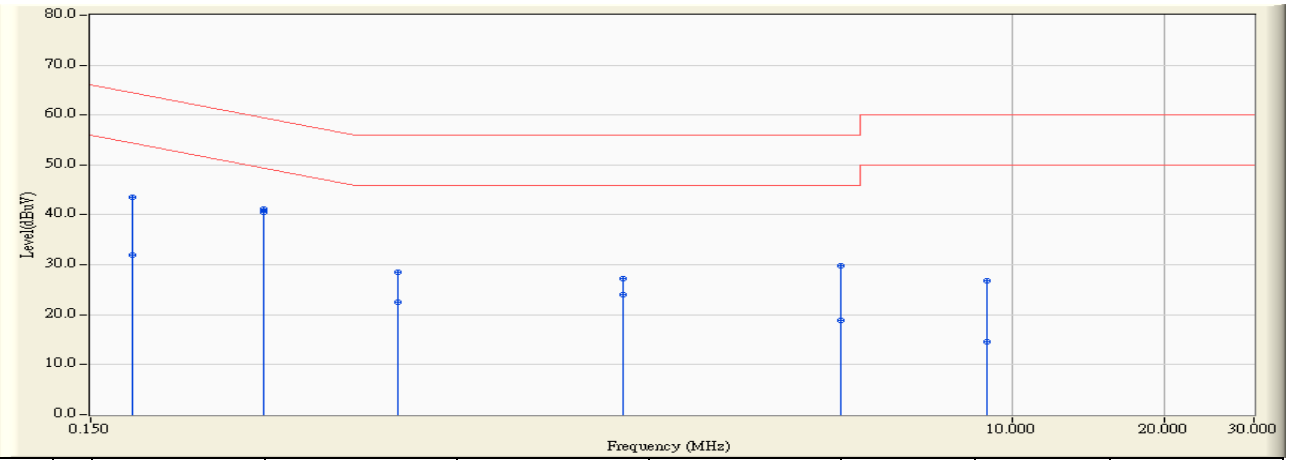
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	**Time : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80) 802.11ac(80M)_5210MHz**

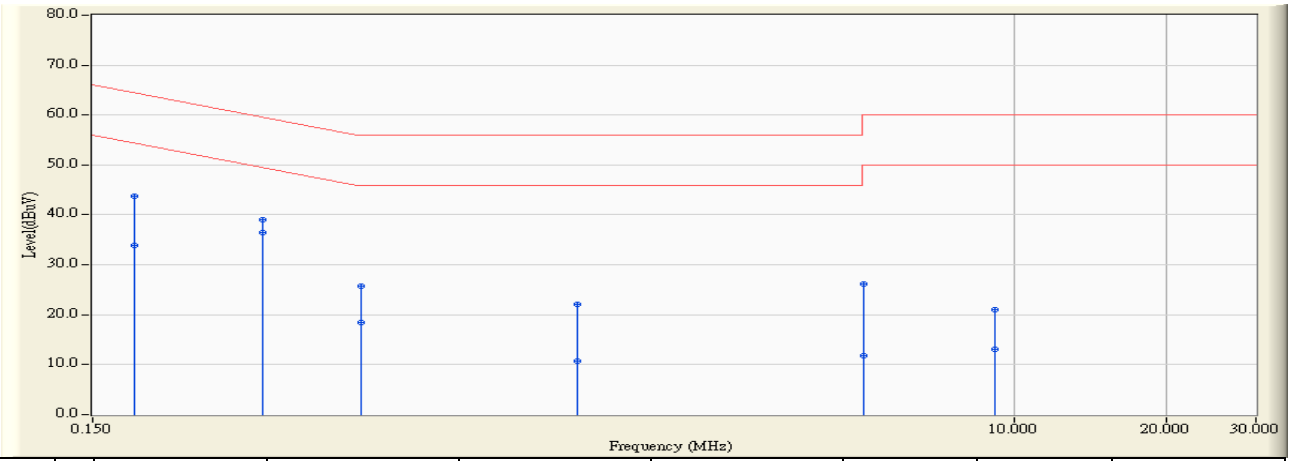


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.181	9.752	33.770	43.522	-20.906	64.428	QUASIPEAK
2		0.181	9.752	22.180	31.932	-22.496	54.428	AVERAGE
3		0.330	9.737	31.460	41.197	-18.262	59.459	QUASIPEAK
4	*	0.330	9.737	30.870	40.607	-8.852	49.459	AVERAGE
5		0.607	9.748	18.740	28.488	-27.512	56.000	QUASIPEAK
6		0.607	9.748	12.680	22.428	-23.572	46.000	AVERAGE
7		1.693	9.848	17.340	27.188	-28.812	56.000	QUASIPEAK
8		1.693	9.848	14.100	23.948	-22.052	46.000	AVERAGE
9		4.572	9.921	19.880	29.801	-26.199	56.000	QUASIPEAK
10		4.572	9.921	9.010	18.931	-27.069	46.000	AVERAGE
11		8.877	10.083	16.780	26.863	-33.137	60.000	QUASIPEAK
12		8.877	10.083	4.550	14.633	-35.367	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 : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80) 802.11ac(80M)_5210MHz**

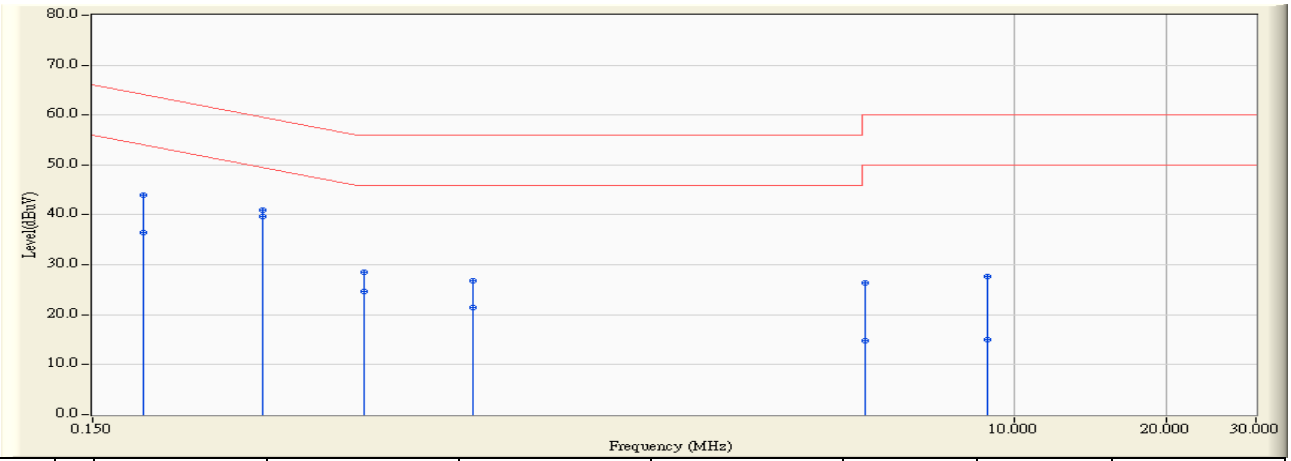


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.181	9.752	34.040	43.792	-20.636	64.428	QUASIPEAK
2		0.181	9.752	24.070	33.822	-20.606	54.428	AVERAGE
3		0.326	9.750	29.260	39.010	-20.548	59.558	QUASIPEAK
4	*	0.326	9.750	26.710	36.460	-13.098	49.558	AVERAGE
5		0.509	9.747	15.970	25.717	-30.283	56.000	QUASIPEAK
6		0.509	9.747	8.700	18.447	-27.553	46.000	AVERAGE
7		1.365	9.831	12.300	22.131	-33.869	56.000	QUASIPEAK
8		1.365	9.831	0.890	10.721	-35.279	46.000	AVERAGE
9		5.017	9.860	16.400	26.259	-33.741	60.000	QUASIPEAK
10		5.017	9.860	1.890	11.749	-38.251	50.000	AVERAGE
11		9.111	10.098	10.920	21.018	-38.982	60.000	QUASIPEAK
12		9.111	10.098	2.990	13.088	-36.912	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 : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80) 802.11ac(80M)_5775MHz**

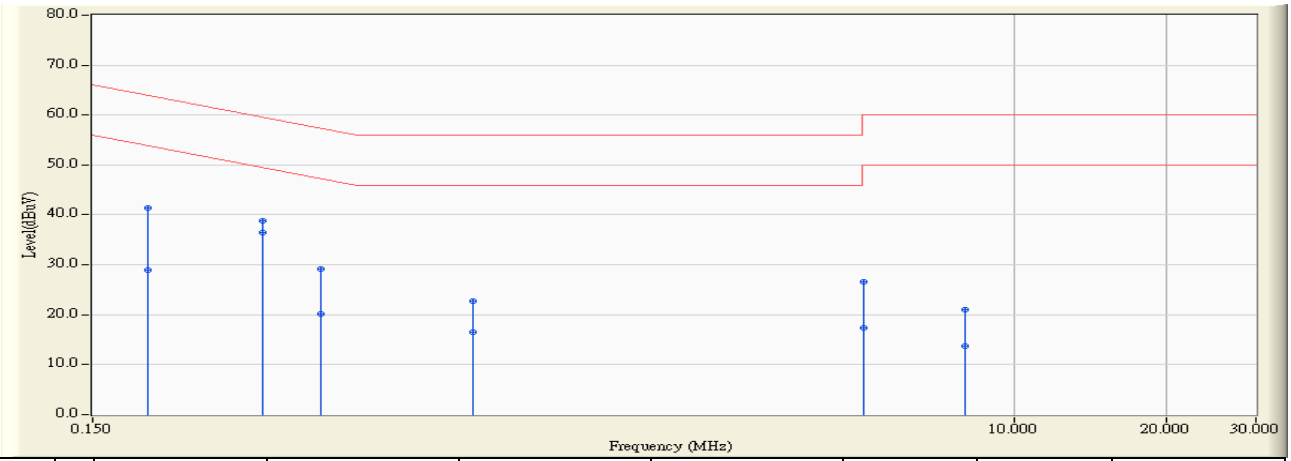


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.189	9.751	34.250	44.001	-20.077	64.078	QUASIPEAK
2		0.189	9.751	26.730	36.481	-17.597	54.078	AVERAGE
3		0.326	9.737	31.280	41.017	-18.541	59.558	QUASIPEAK
4	*	0.326	9.737	29.980	39.717	-9.841	49.558	AVERAGE
5		0.517	9.731	18.900	28.632	-27.368	56.000	QUASIPEAK
6		0.517	9.731	14.930	24.662	-21.338	46.000	AVERAGE
7		0.845	9.792	17.000	26.791	-29.209	56.000	QUASIPEAK
8		0.845	9.792	11.750	21.541	-24.459	46.000	AVERAGE
9		5.072	9.925	16.440	26.365	-33.635	60.000	QUASIPEAK
10		5.072	9.925	4.920	14.845	-35.155	50.000	AVERAGE
11		8.861	10.082	17.690	27.773	-32.227	60.000	QUASIPEAK
12		8.861	10.082	4.960	15.043	-34.957	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 : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80) 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.193	9.751	31.540	41.291	-22.617	63.908	QUASIPEAK
2		0.193	9.751	19.240	28.991	-24.917	53.908	AVERAGE
3		0.326	9.750	29.020	38.770	-20.788	59.558	QUASIPEAK
4	*	0.326	9.750	26.710	36.460	-13.098	49.558	AVERAGE
5		0.423	9.749	19.460	29.209	-28.172	57.380	QUASIPEAK
6		0.423	9.749	10.490	20.239	-27.142	47.380	AVERAGE
7		0.849	9.798	12.990	22.787	-33.213	56.000	QUASIPEAK
8		0.849	9.798	6.710	16.507	-29.493	46.000	AVERAGE
9		5.017	9.860	16.800	26.659	-33.341	60.000	QUASIPEAK
10		5.017	9.860	7.530	17.389	-32.611	50.000	AVERAGE
11		7.974	10.032	11.090	21.122	-38.878	60.000	QUASIPEAK
12		7.974	10.032	3.690	13.722	-36.278	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. 99% & 26dB & DTS Bandwidth

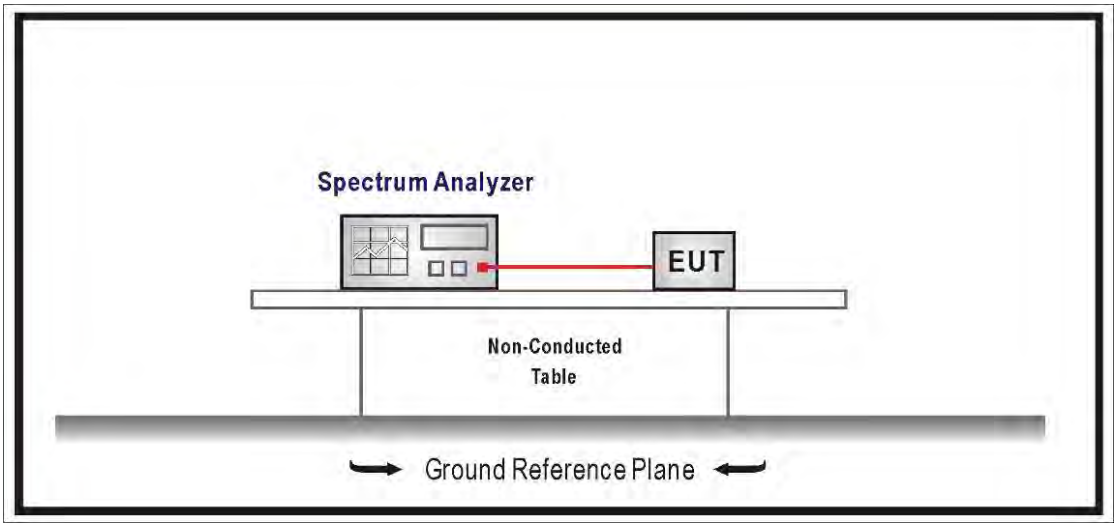
3.1. Test Equipment

The following test equipments are used during the radiated emission tests:

99%& 26dB & DTS Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12

3.2. Test Setup



3.3. Limits

99% & 26dB Bandwidth : No Required
DTS Bandwidth ≧ 500KHz

3.4. Test Procedure

99% & 26dB Bandwidth :
The EUT was tested according to U-NII test procedure of KDB 789033.D02 v01r04
Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.
DTS Bandwidth :
Set RBW = 100KHz, VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

3.5. Uncertainty

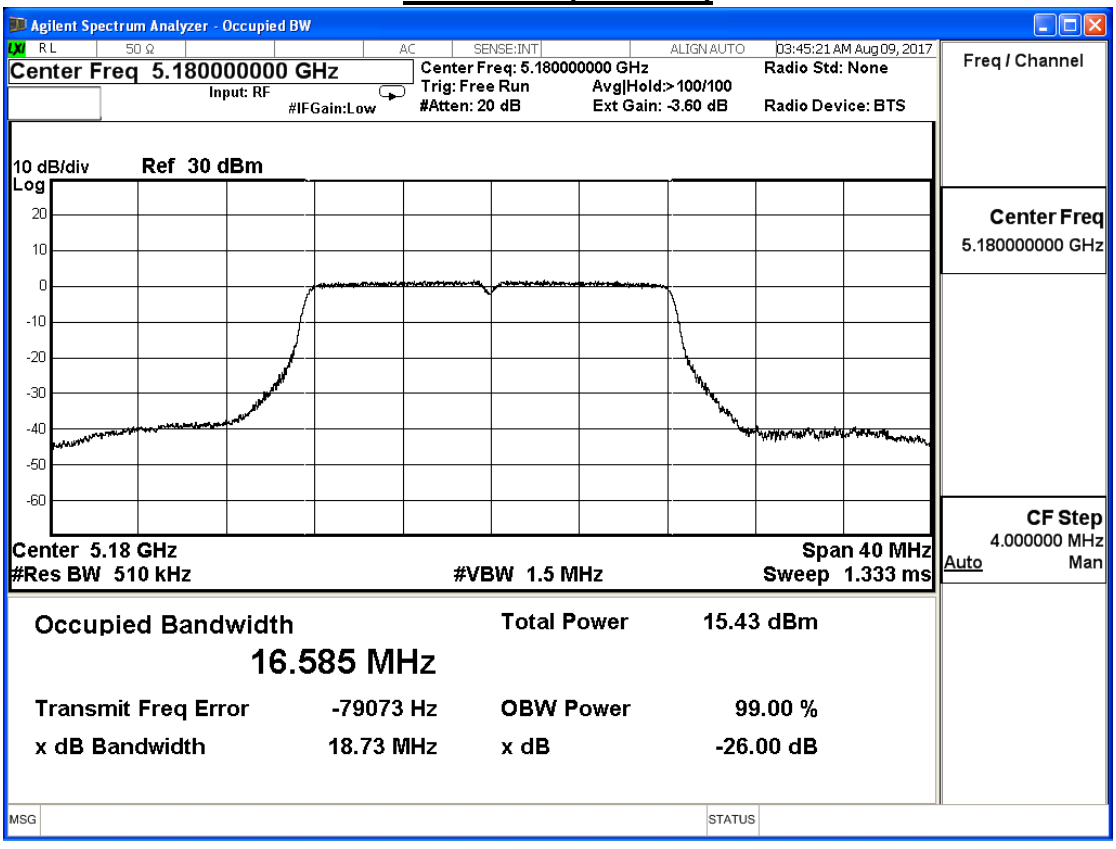
The measurement uncertainty is defined as ±150Hz

3.6. Test Result

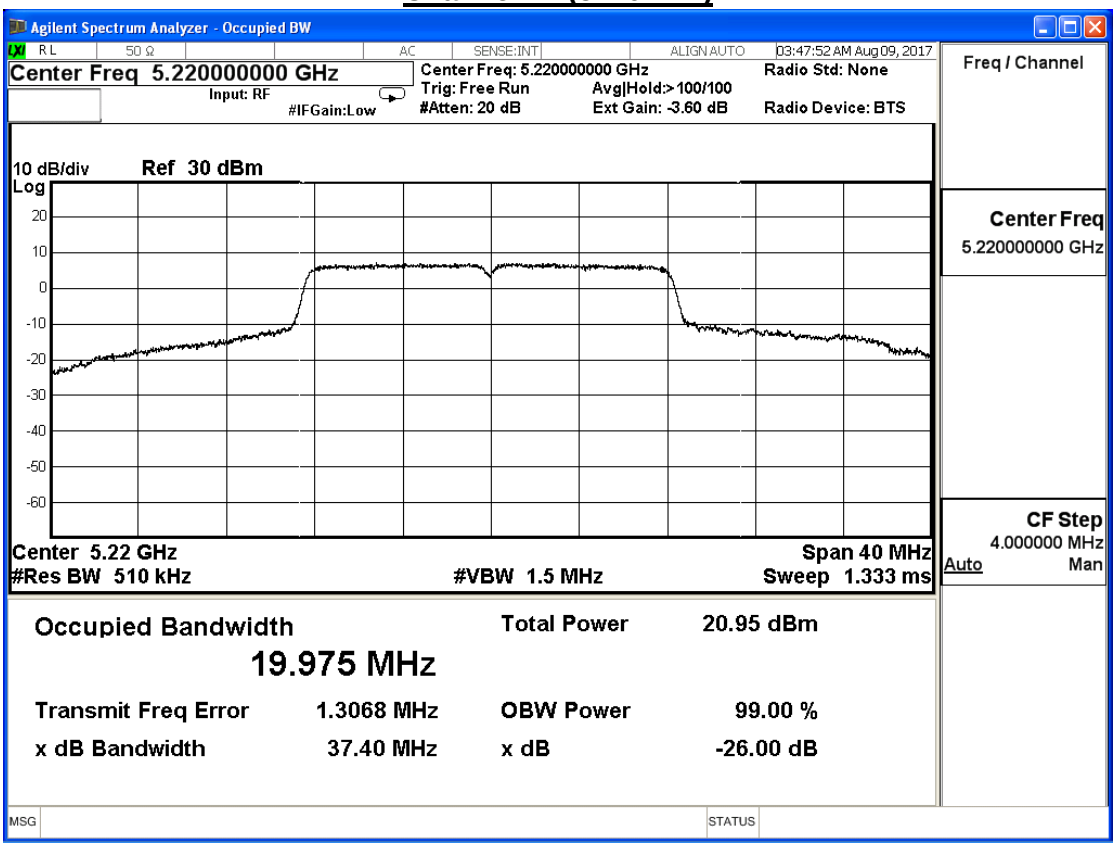
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11a (ANT 0)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
36	5180	16.585	18.730	--	Pass
44	5220	19.975	37.400	--	Pass
48	5240	17.125	31.300	--	Pass

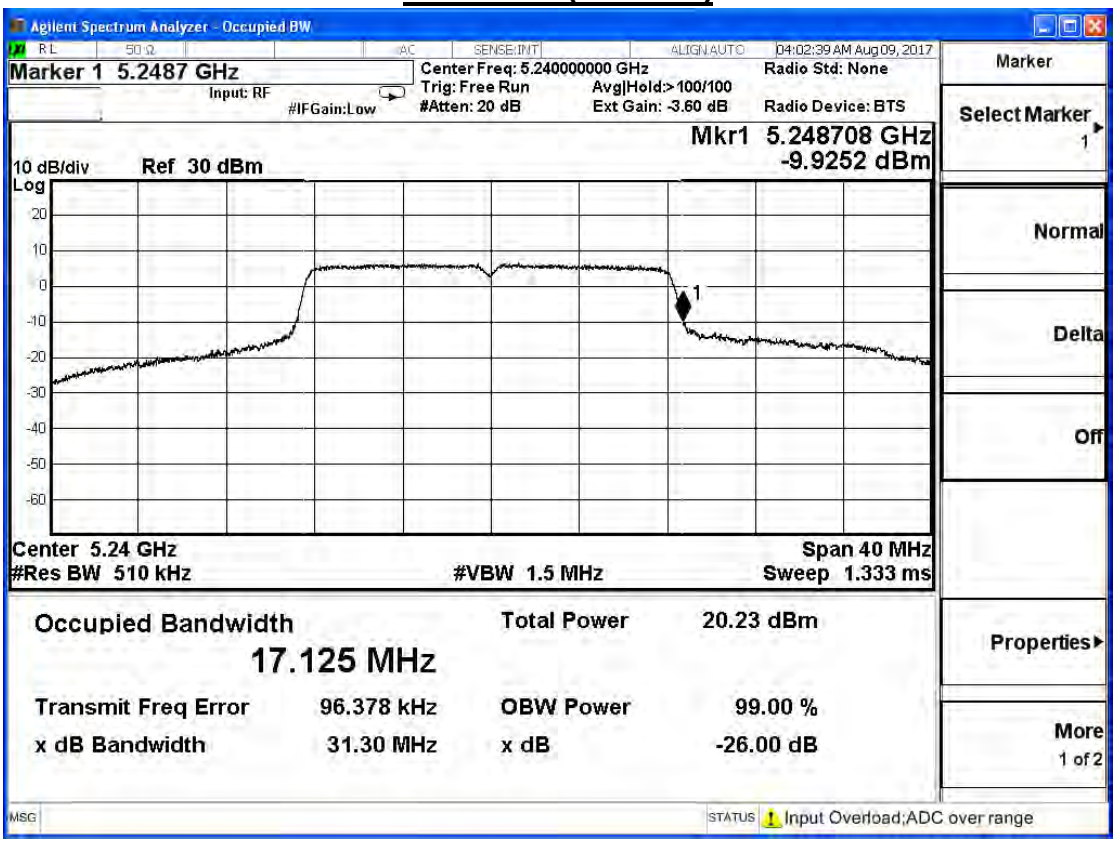
Channel 36 (5180MHz)



Channel 44 (5220MHz)



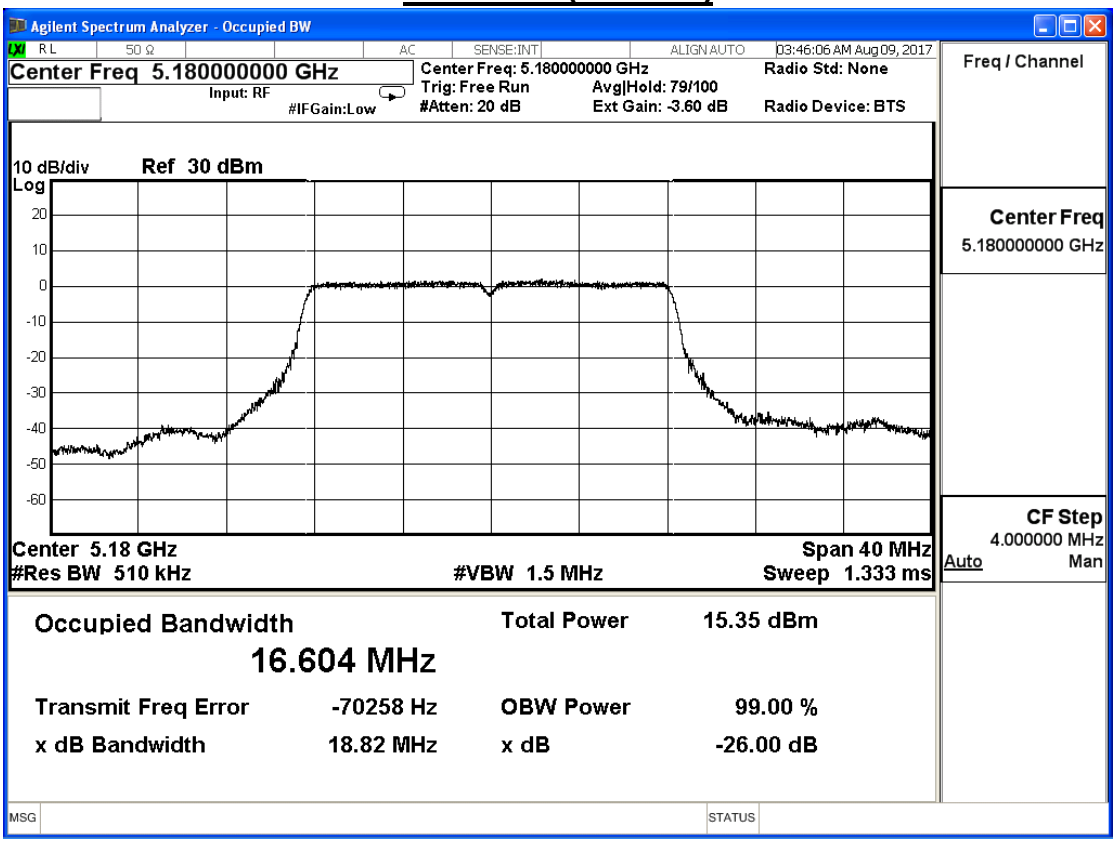
Channel 48 (5240MHz)



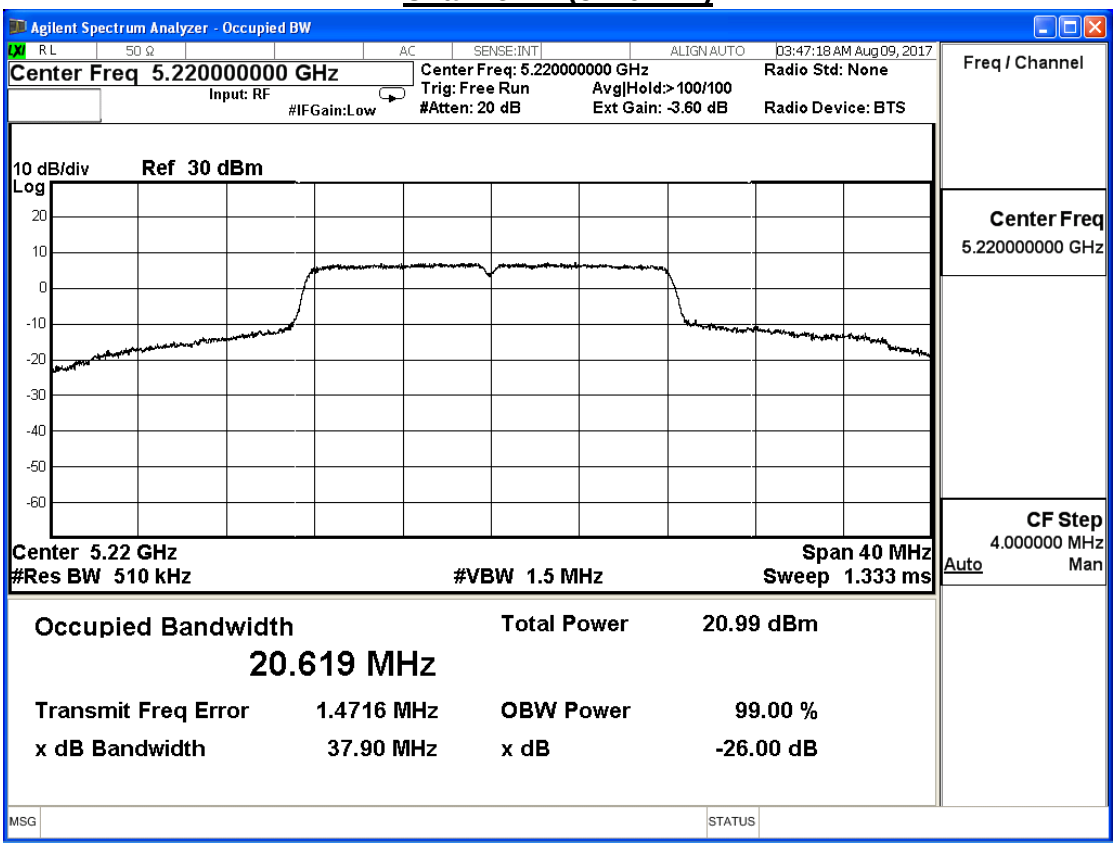
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11a (ANT 1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
36	5180	16.604	18.820	--	Pass
44	5220	20.619	37.900	--	Pass
48	5240	17.197	33.500	--	Pass

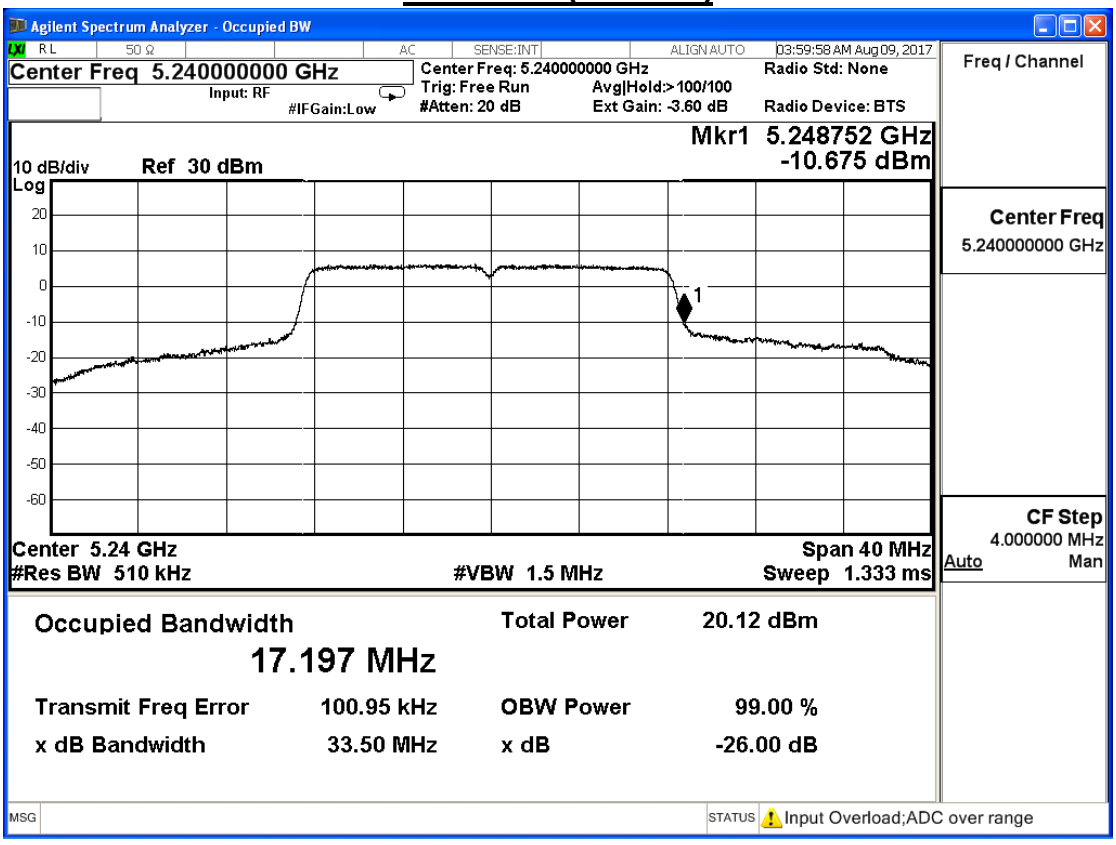
Channel 36 (5180MHz)



Channel 44 (5220MHz)



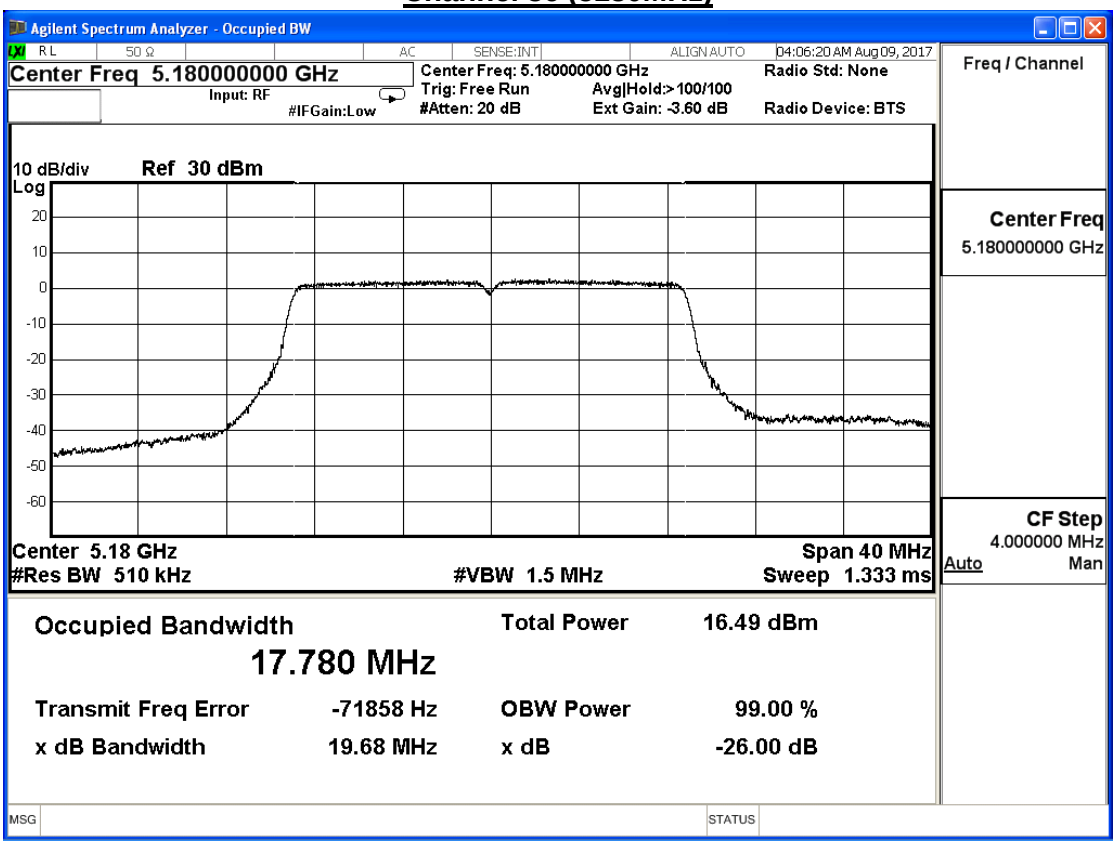
Channel 48 (5240MHz)



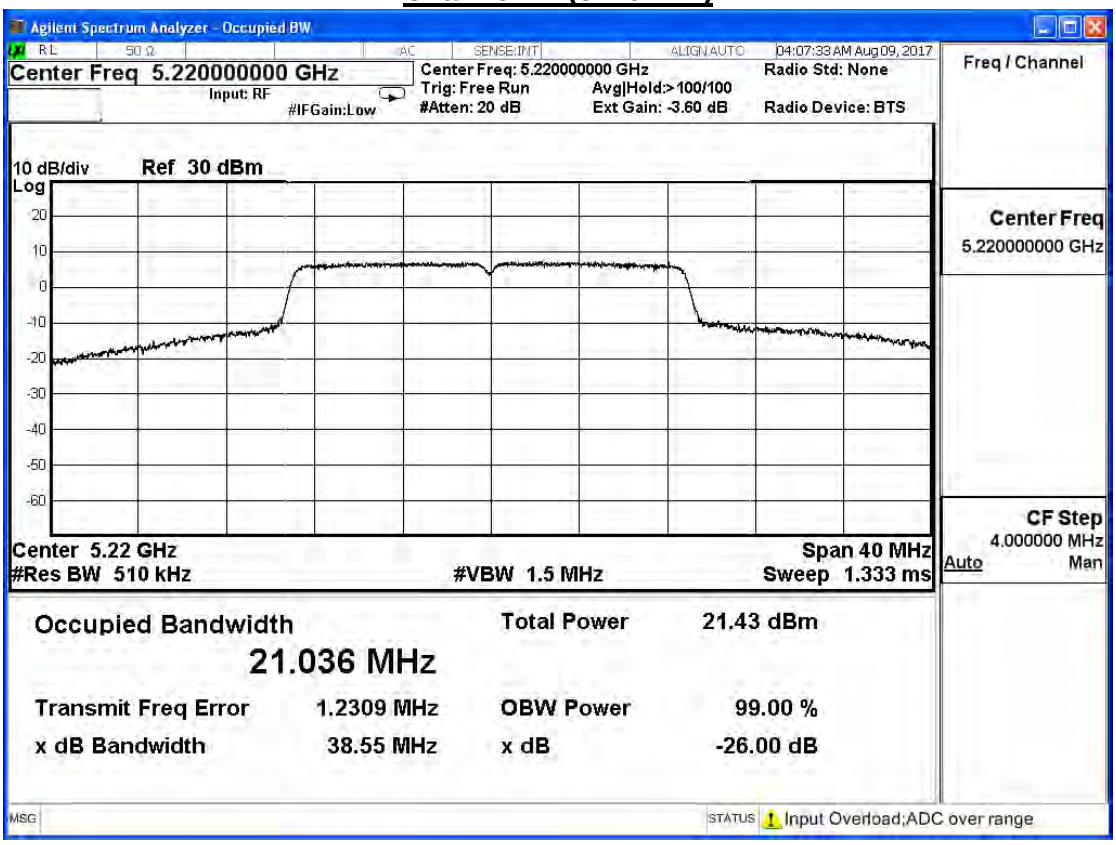
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_20M(ANT 0)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
36	5180	17.780	19.680	--	Pass
44	5220	21.036	38.550	--	Pass
48	5240	17.975	29.750	--	Pass

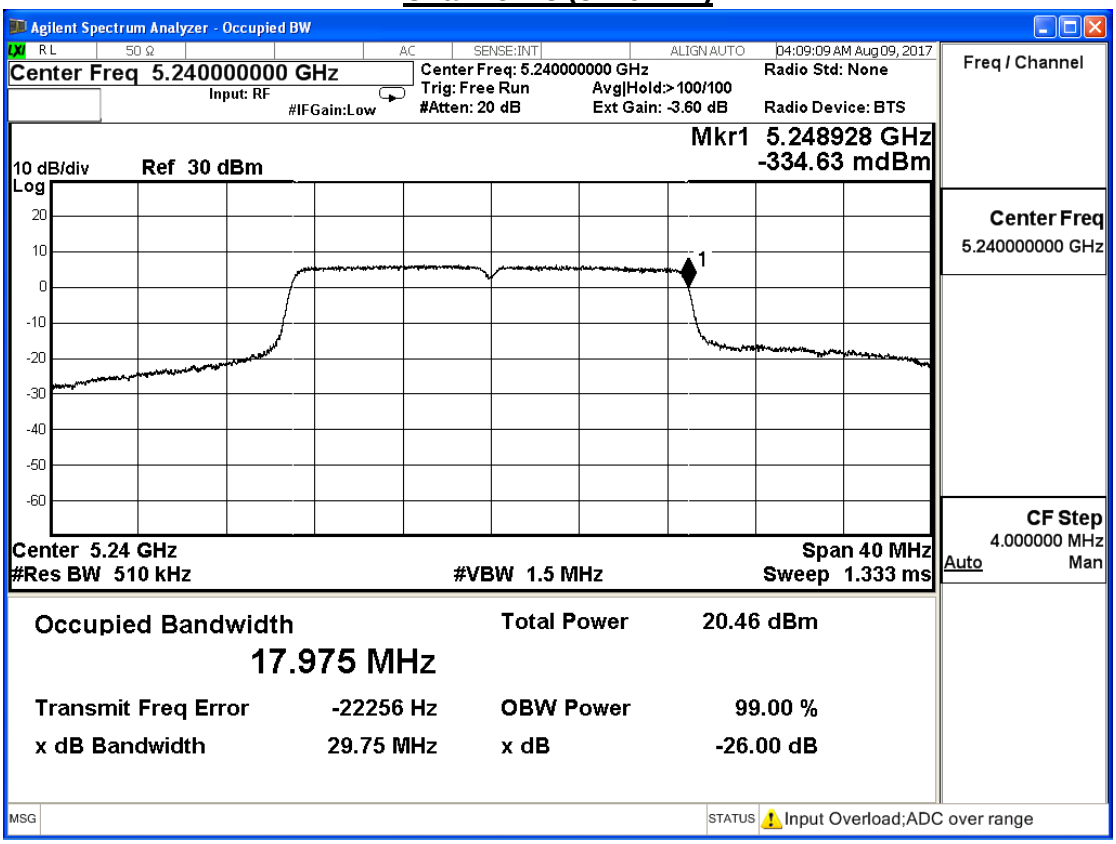
Channel 36 (5180MHz)



Channel 44 (5220MHz)



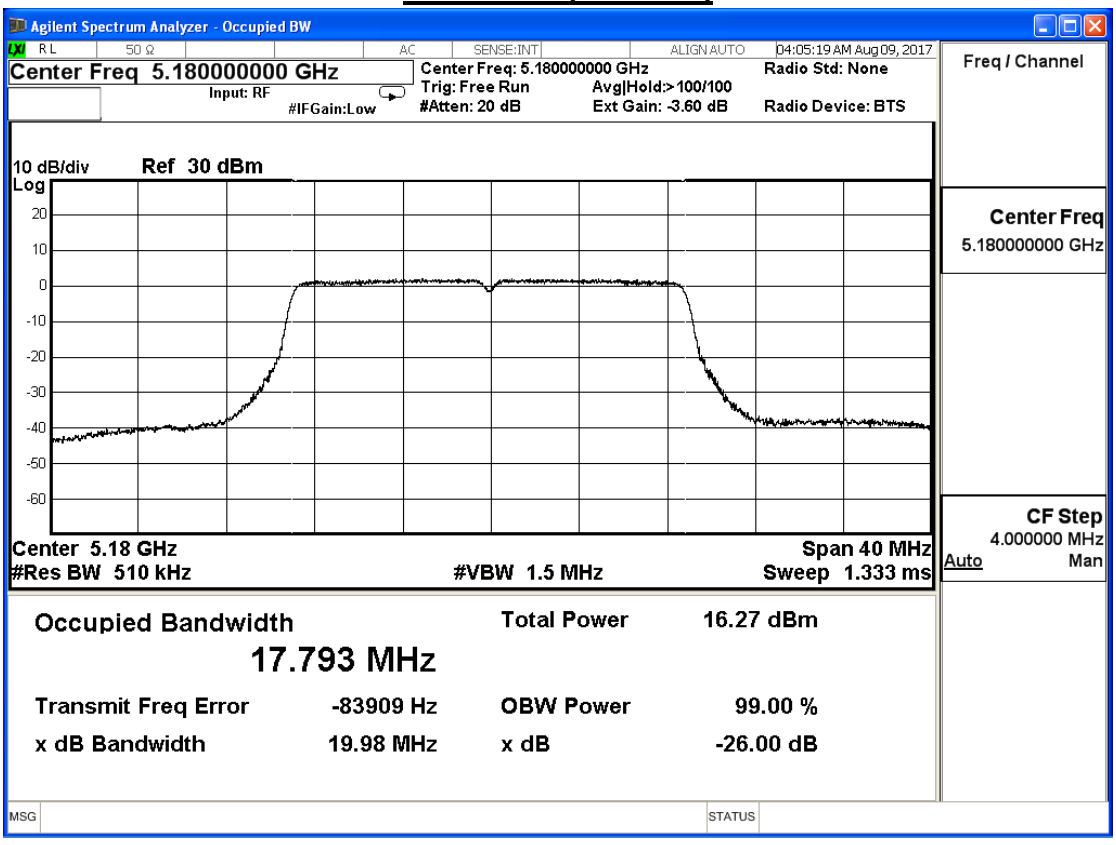
Channel 48 (5240MHz)



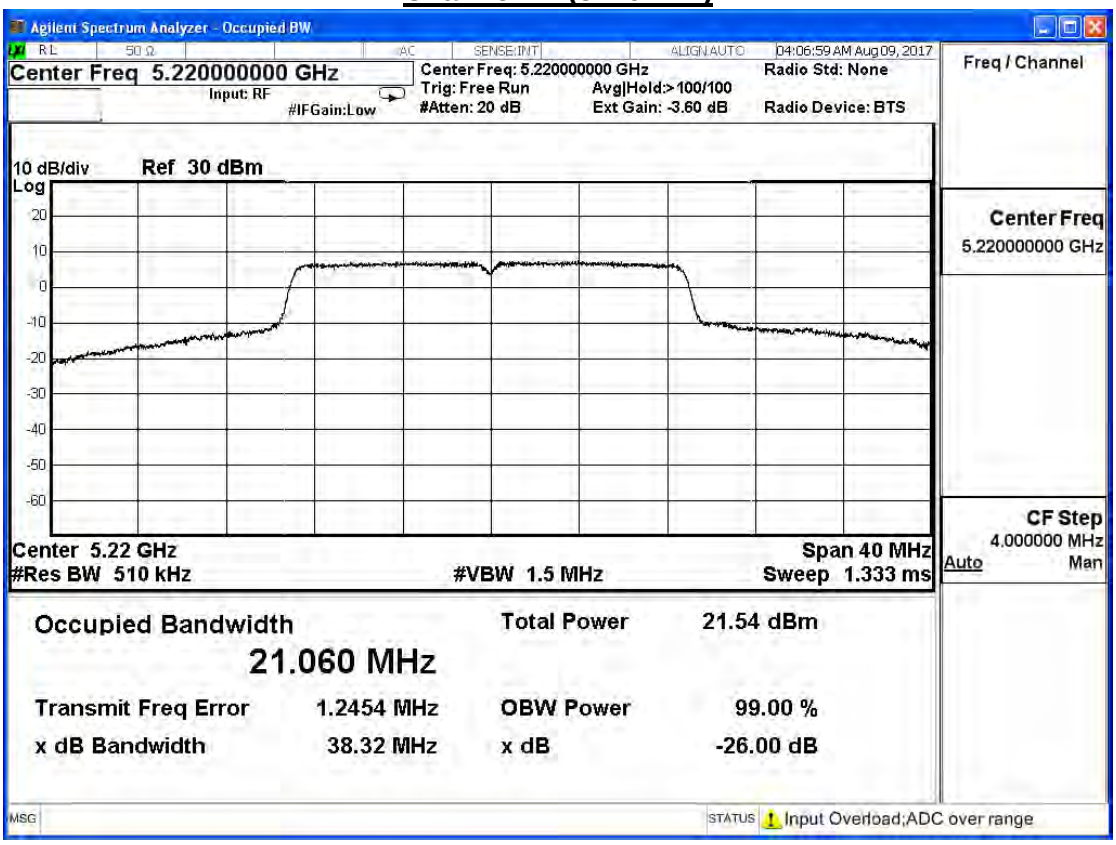
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_20M(ANT 1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
36	5180	17.793	19.980	--	Pass
44	5220	21.060	38.320	--	Pass
48	5240	17.974	30.970	--	Pass

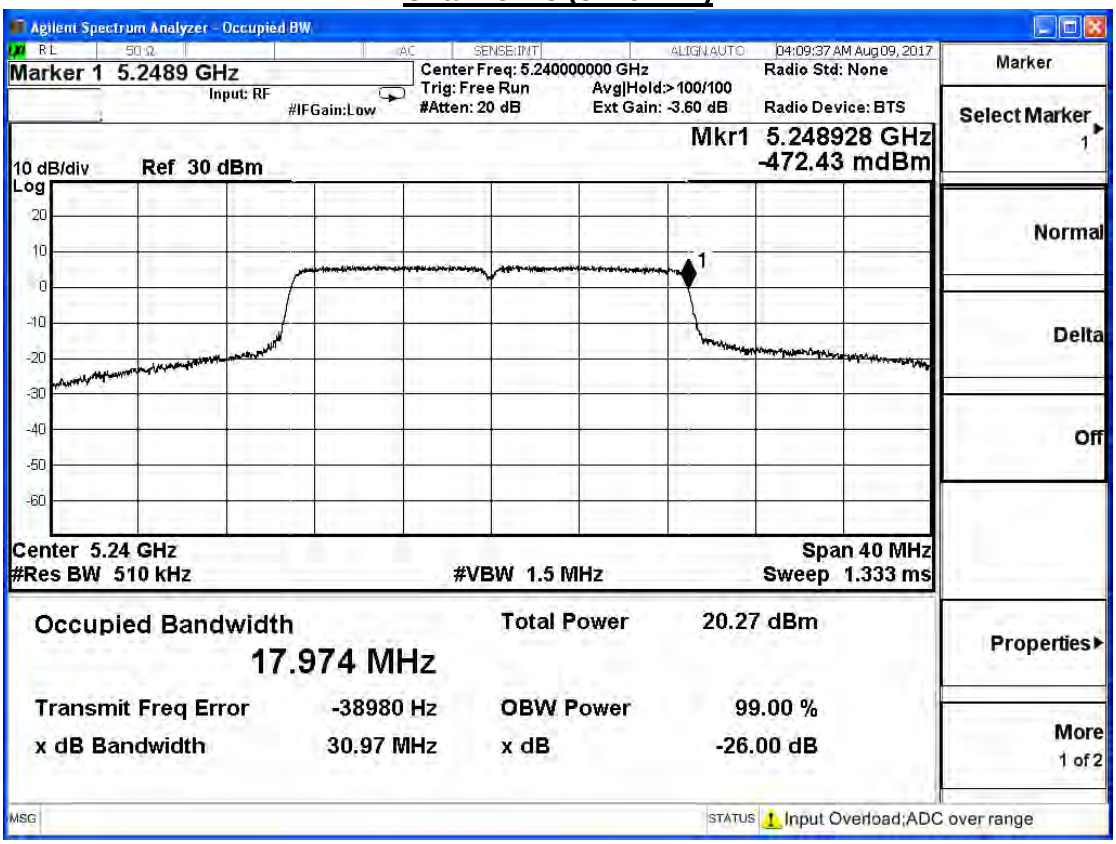
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)

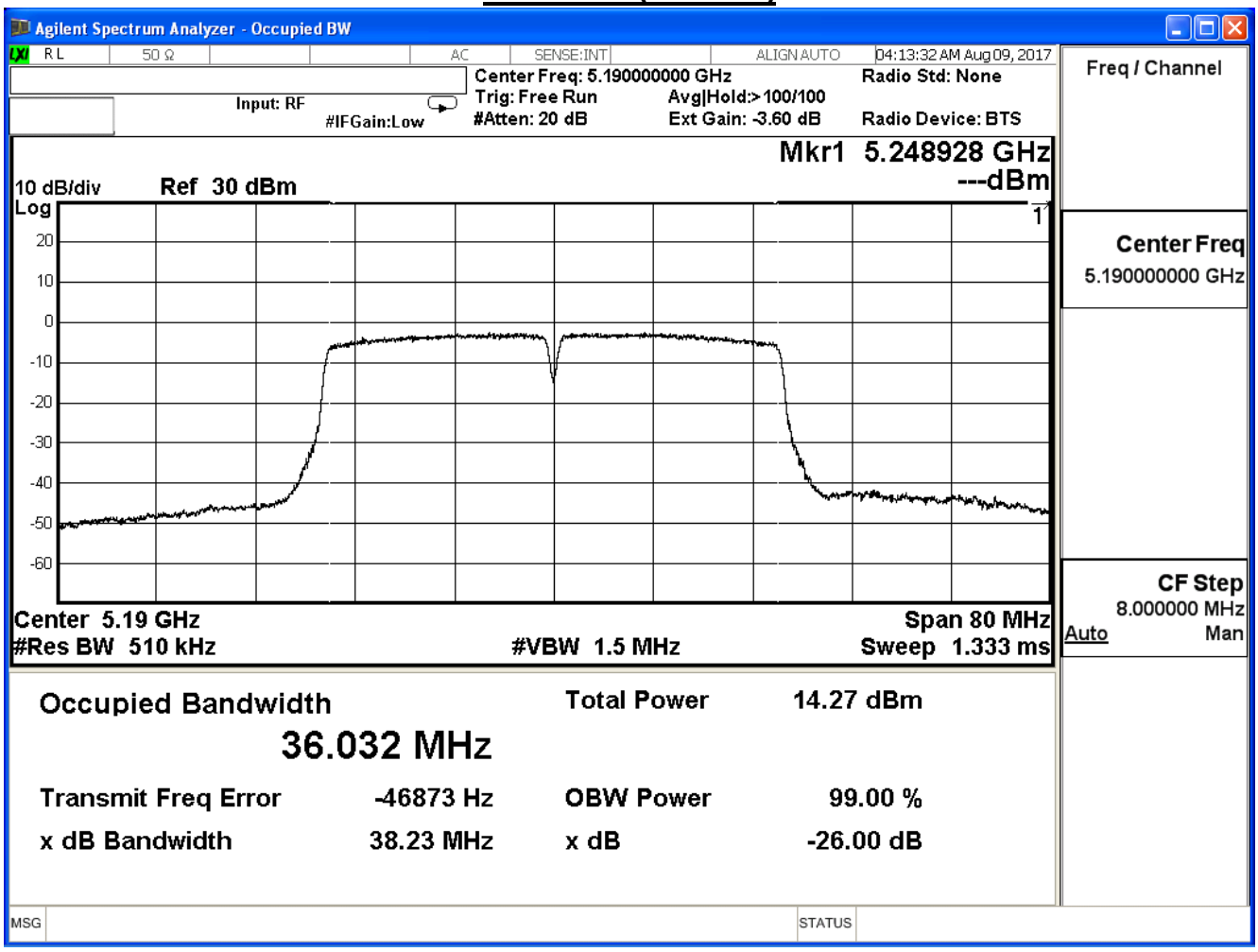


Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

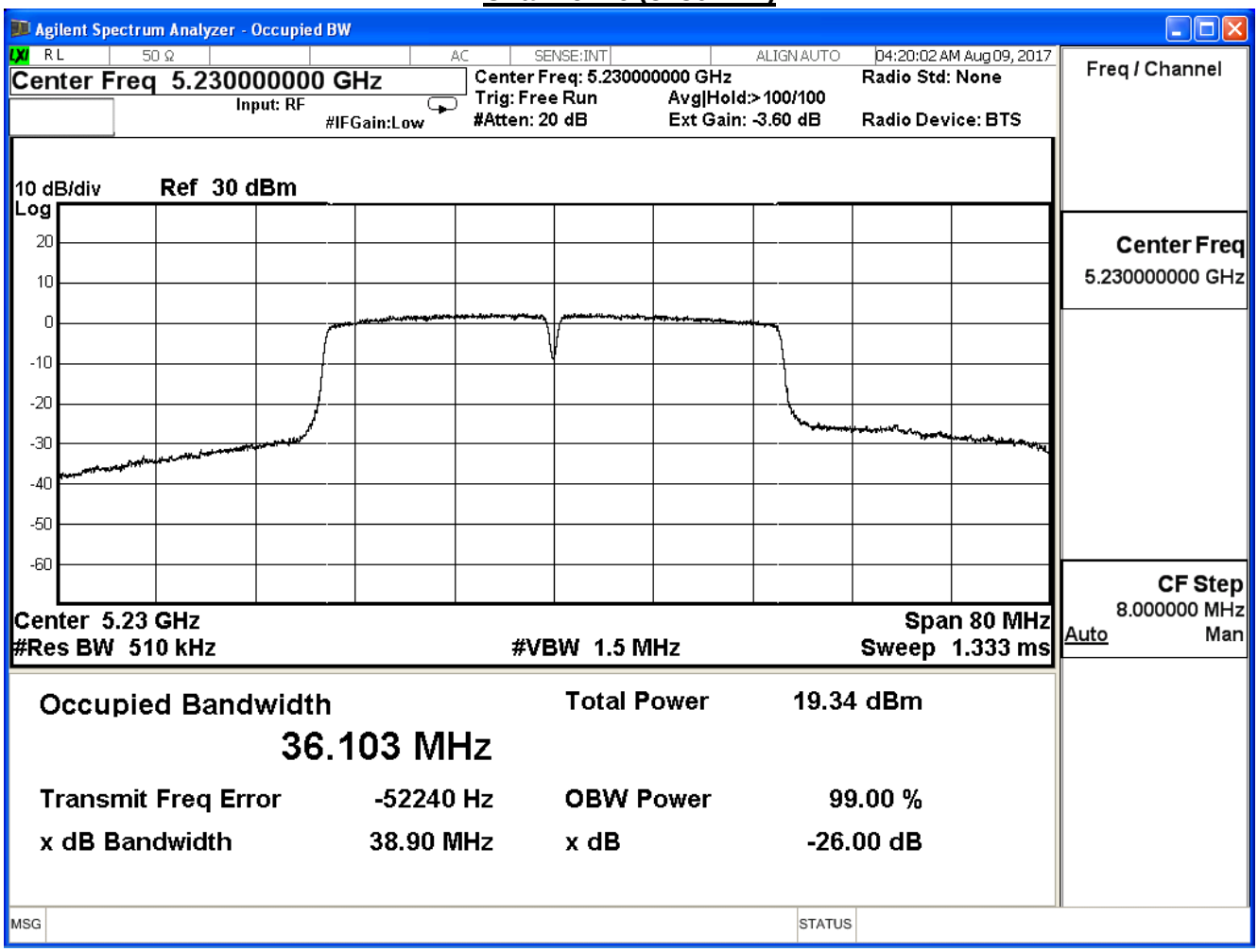
802.11ac_40M(ANT 0)

Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
38	5190	36.032	38.230	--	Pass
46	5230	36.103	38.900	--	Pass

Channel 38 (5190MHz)



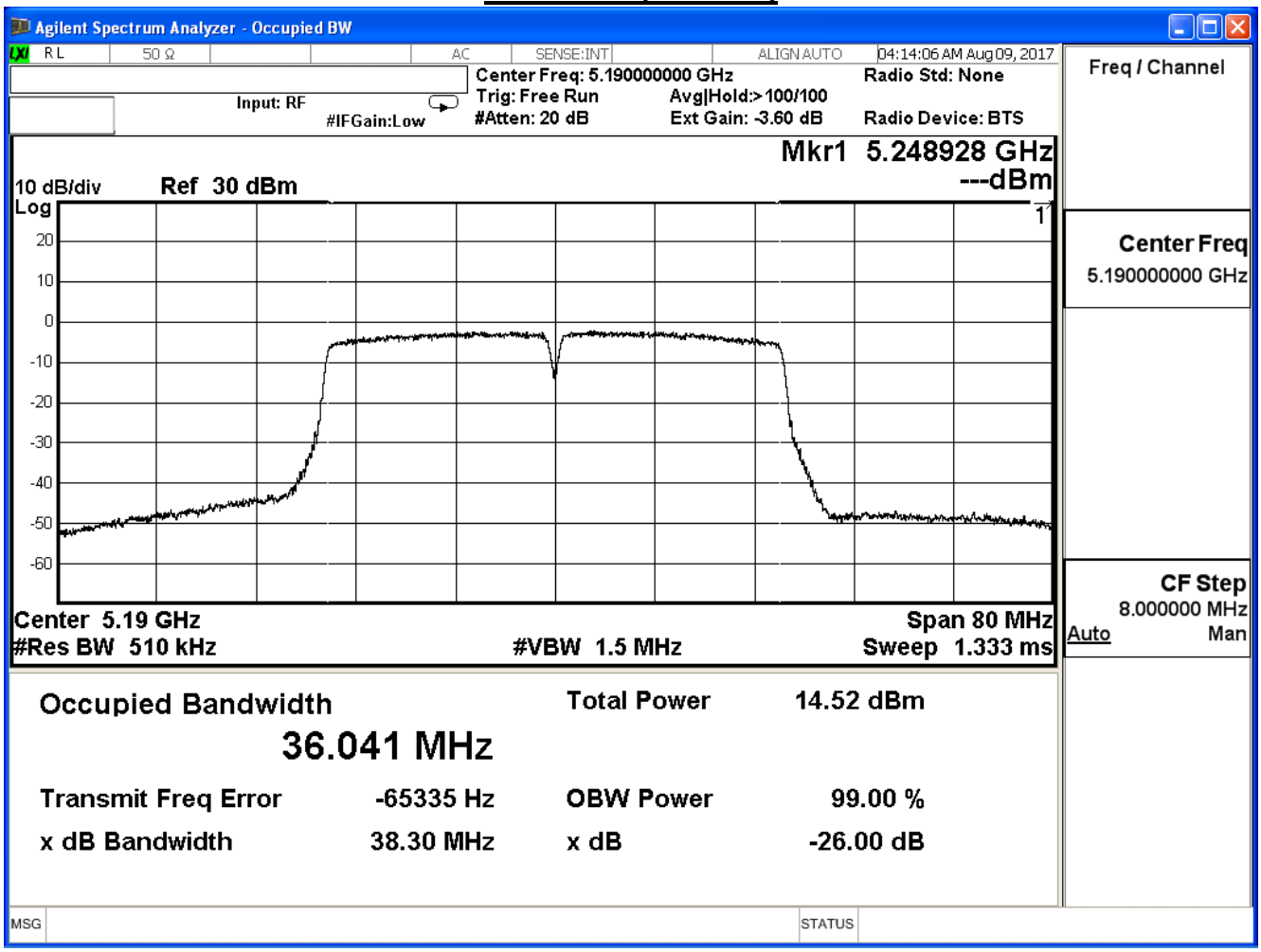
Channel 46 (5230MHz)



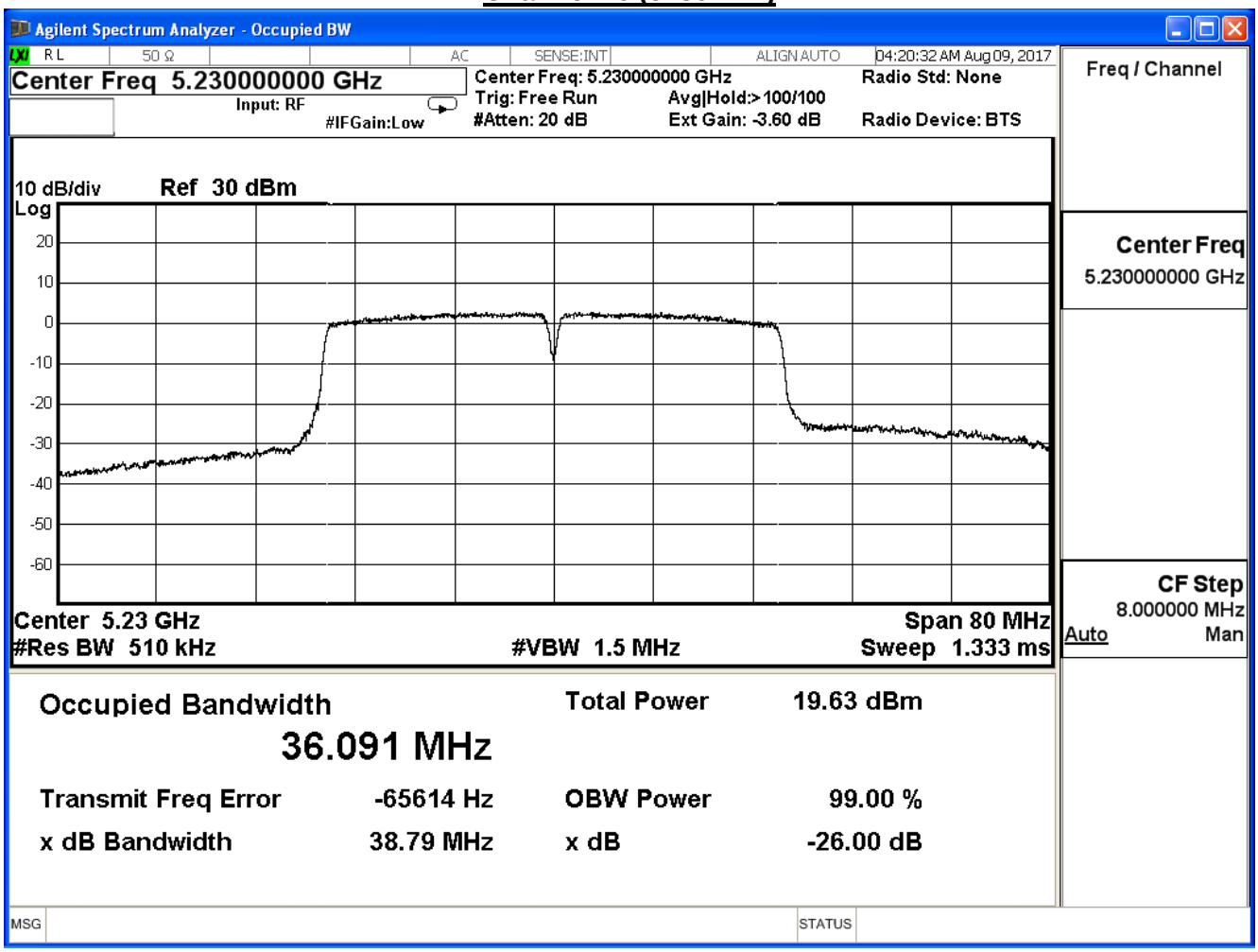
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_40M(ANT 1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
38	5190	36.041	38.300	--	Pass
46	5230	36.091	38.790	--	Pass

Channel 38 (5190MHz)



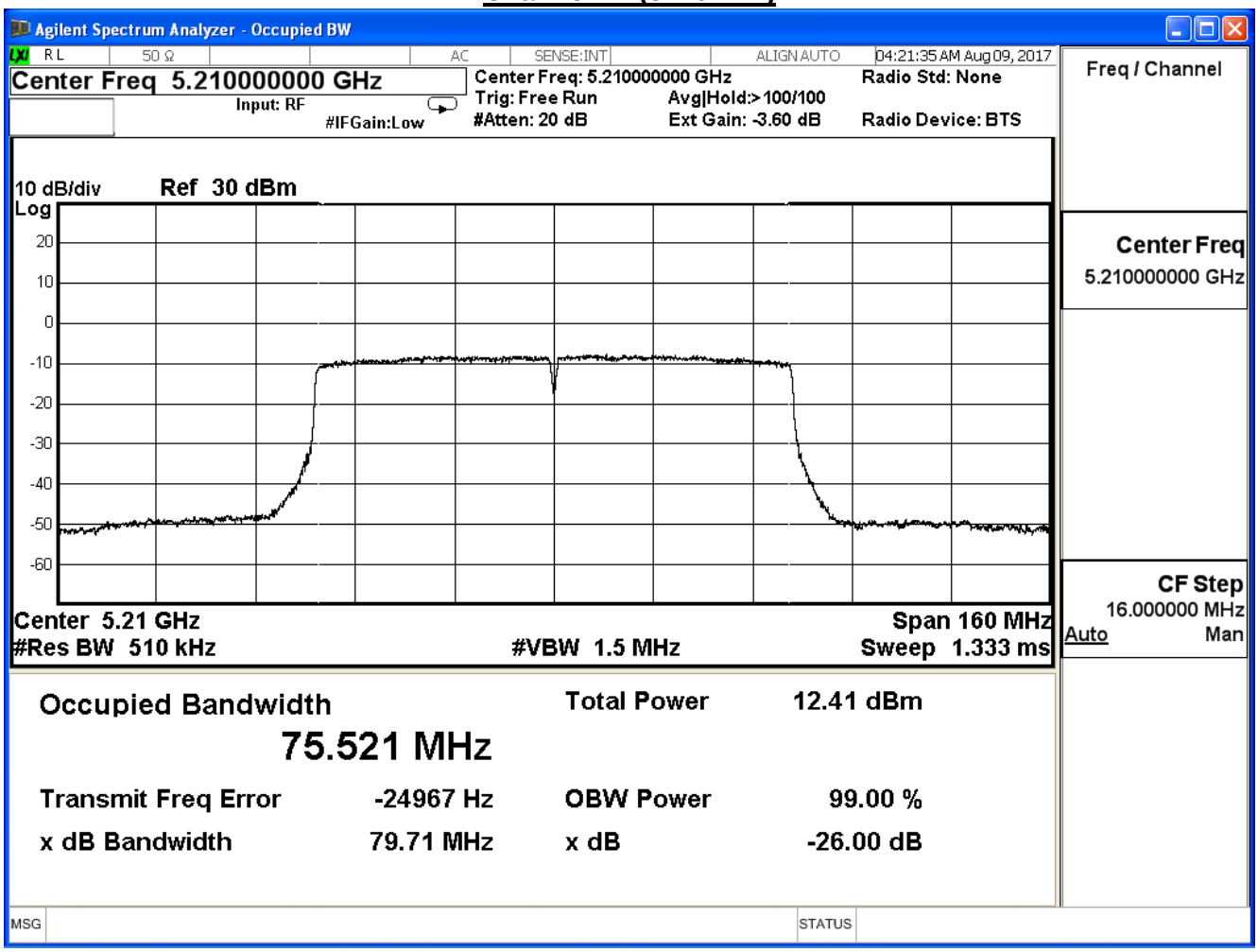
Channel 46 (5230MHz)



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_80M(ANT 0)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
42	5210	75.521	79.710	--	Pass

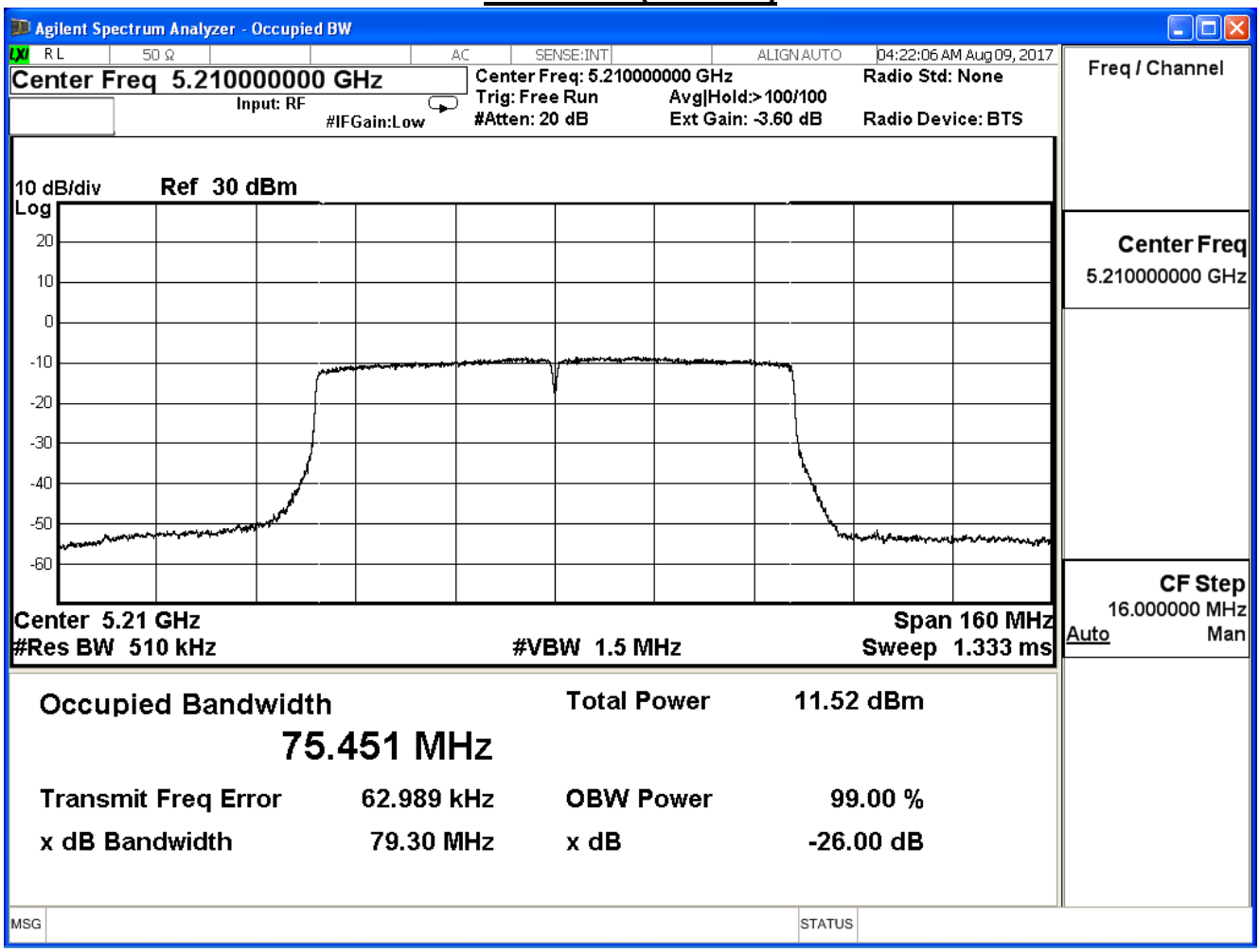
Channel 42 (5210MHz)



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_80M(ANT 1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
42	5210	75.451	79.300	--	Pass

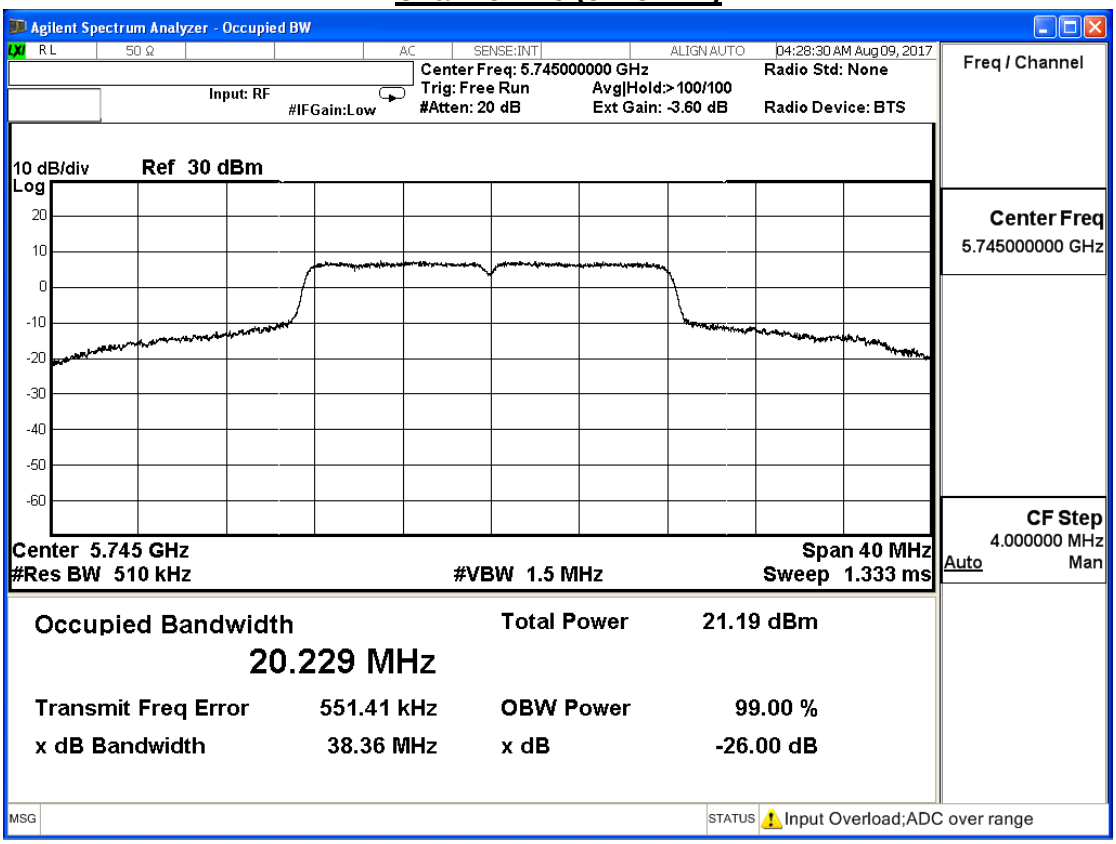
Channel 42 (5210MHz)



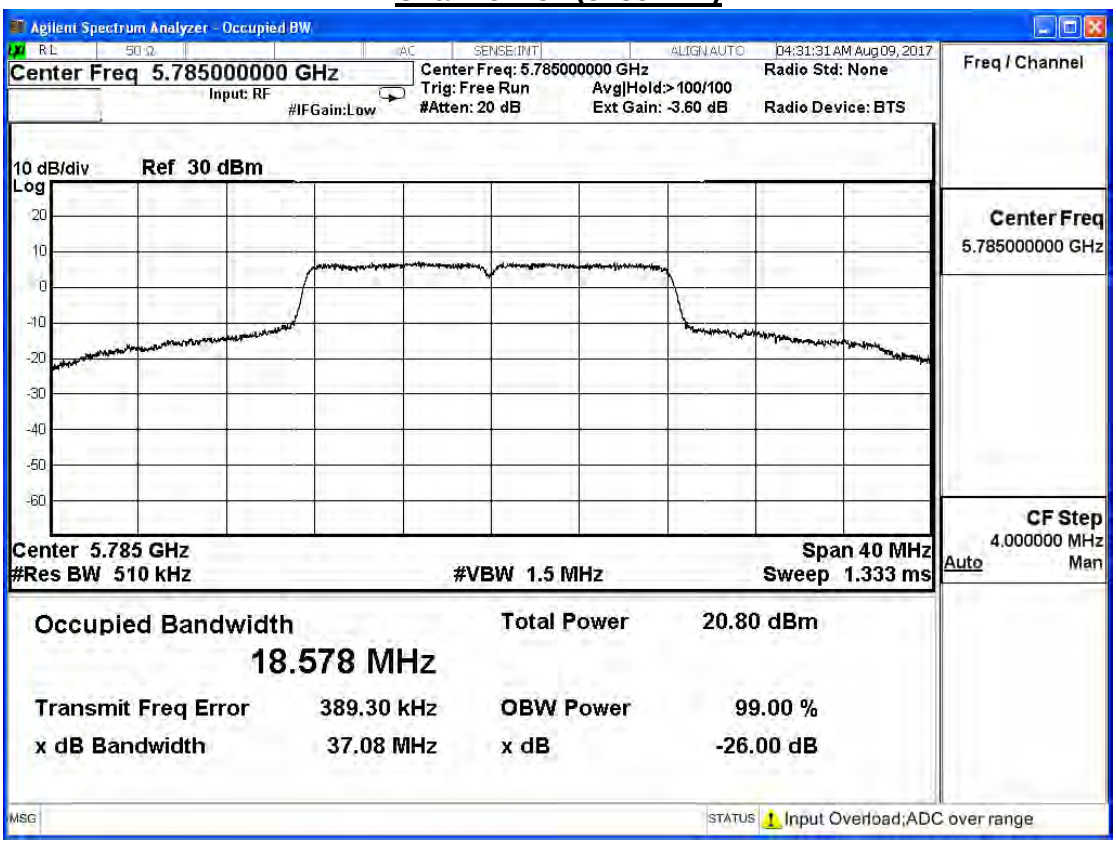
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT0)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
149	5745	20.229	38.360	--	Pass
157	5785	18.578	37.080	--	Pass
165	5825	17.808	35.960	--	Pass

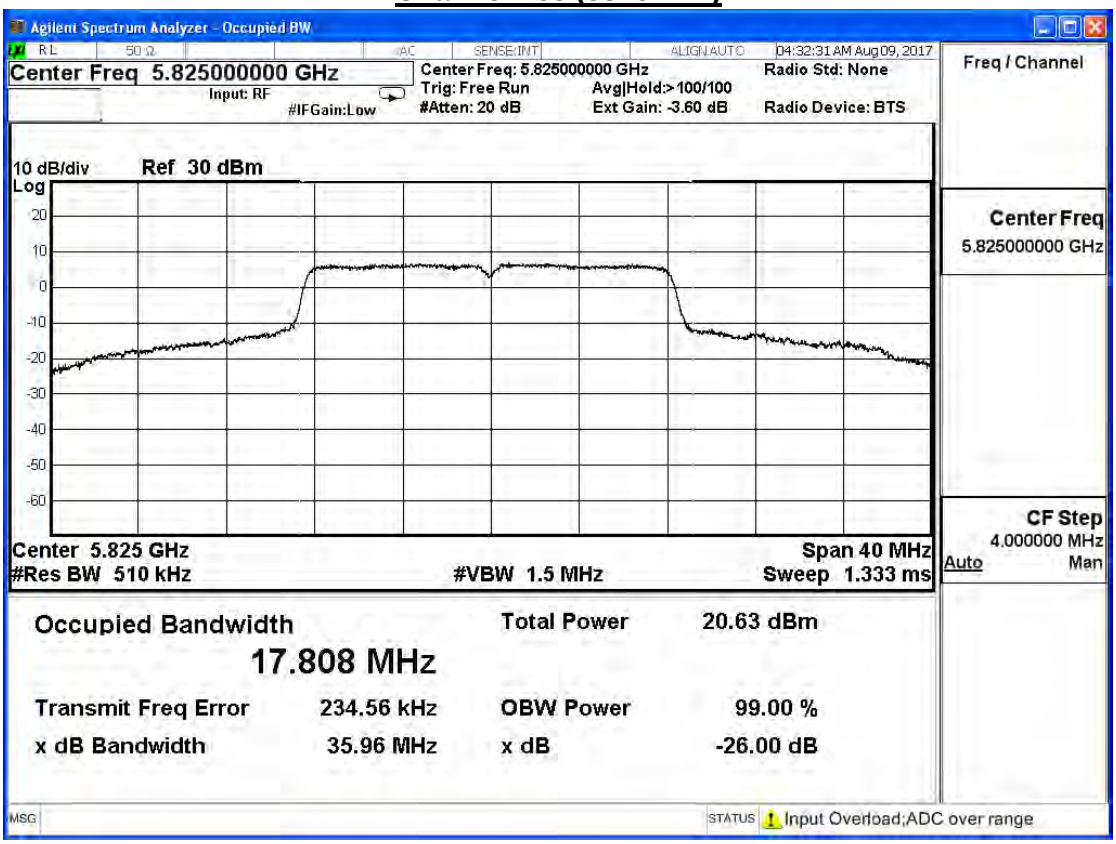
Channel 149 (5745MHz)



Channel 157 (5785MHz)



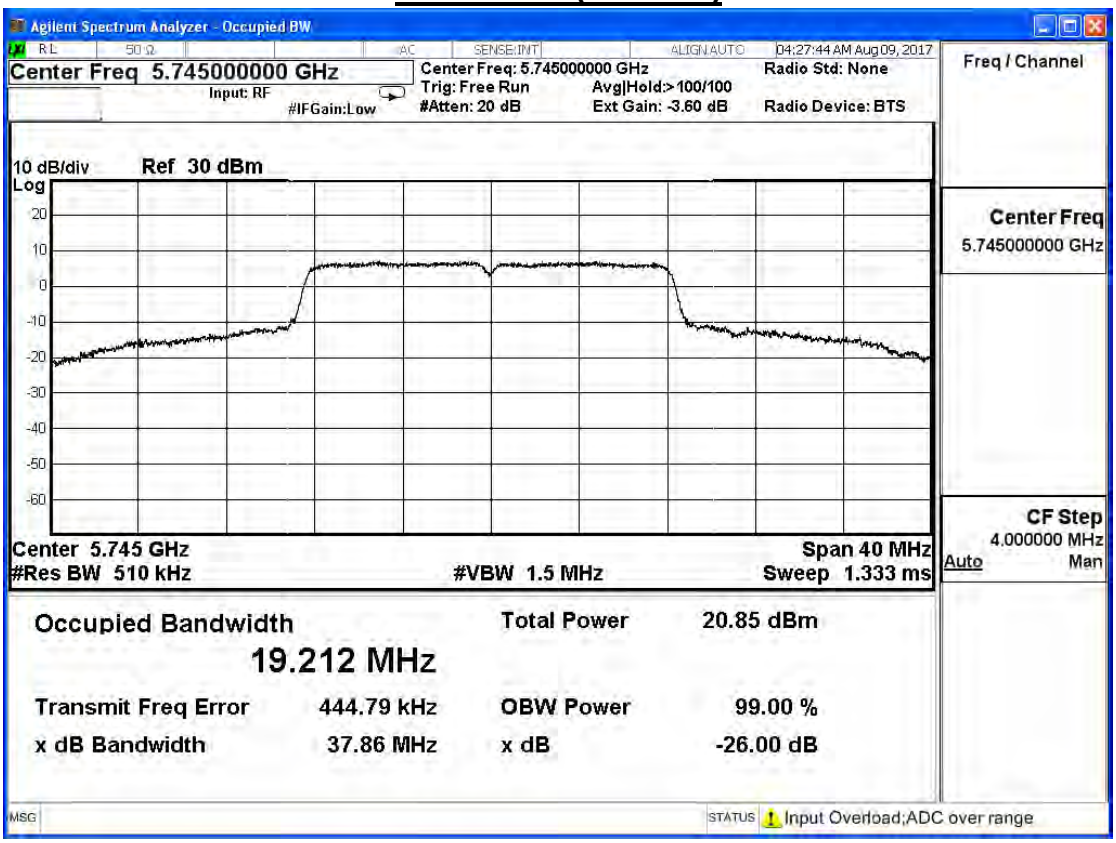
Channel 165 (5825MHz)



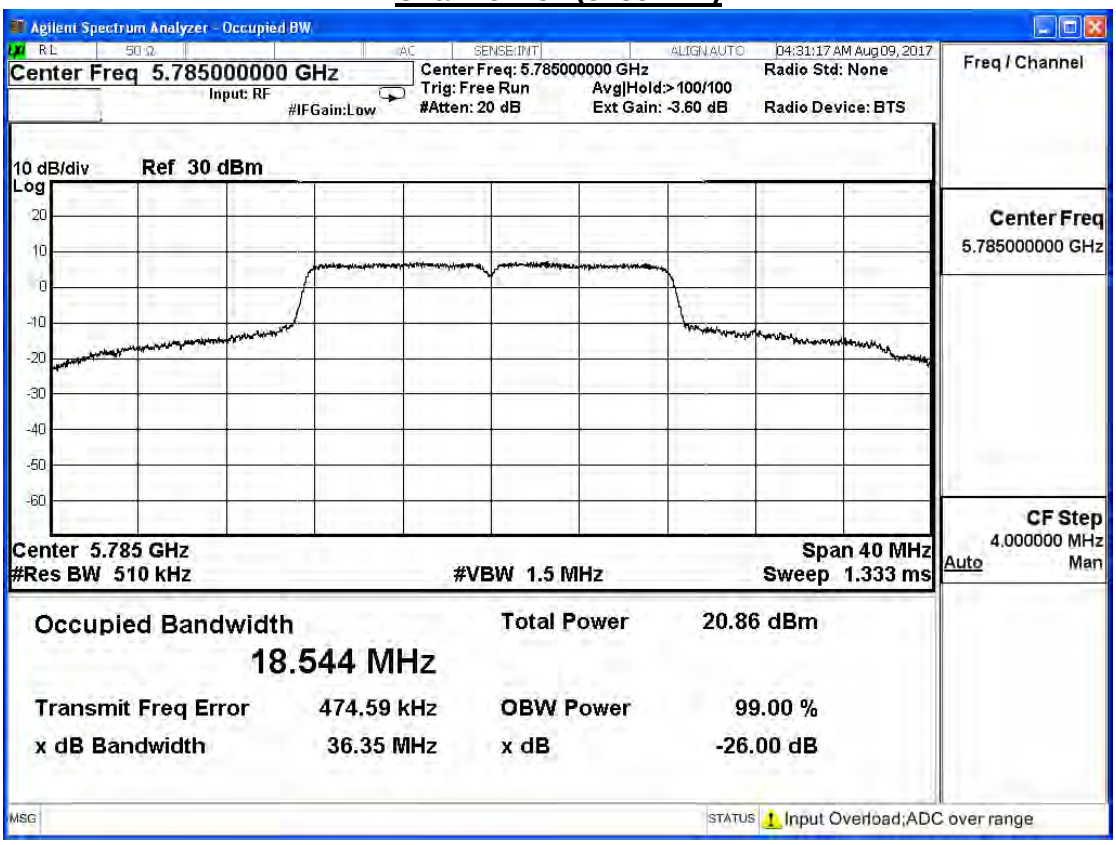
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
149	5745	19.212	37.860	--	Pass
157	5785	18.544	36.350	--	Pass
165	5825	17.635	36.030	--	Pass

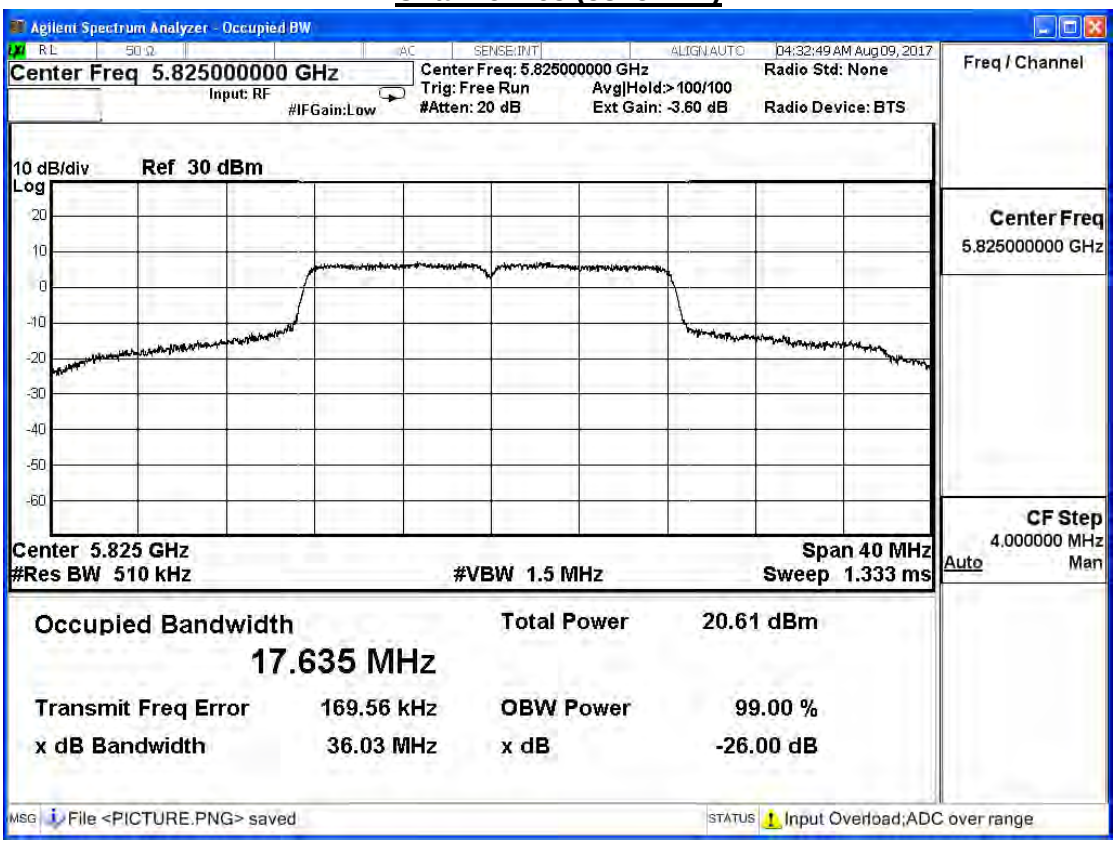
Channel 149 (5745MHz)



Channel 157 (5785MHz)



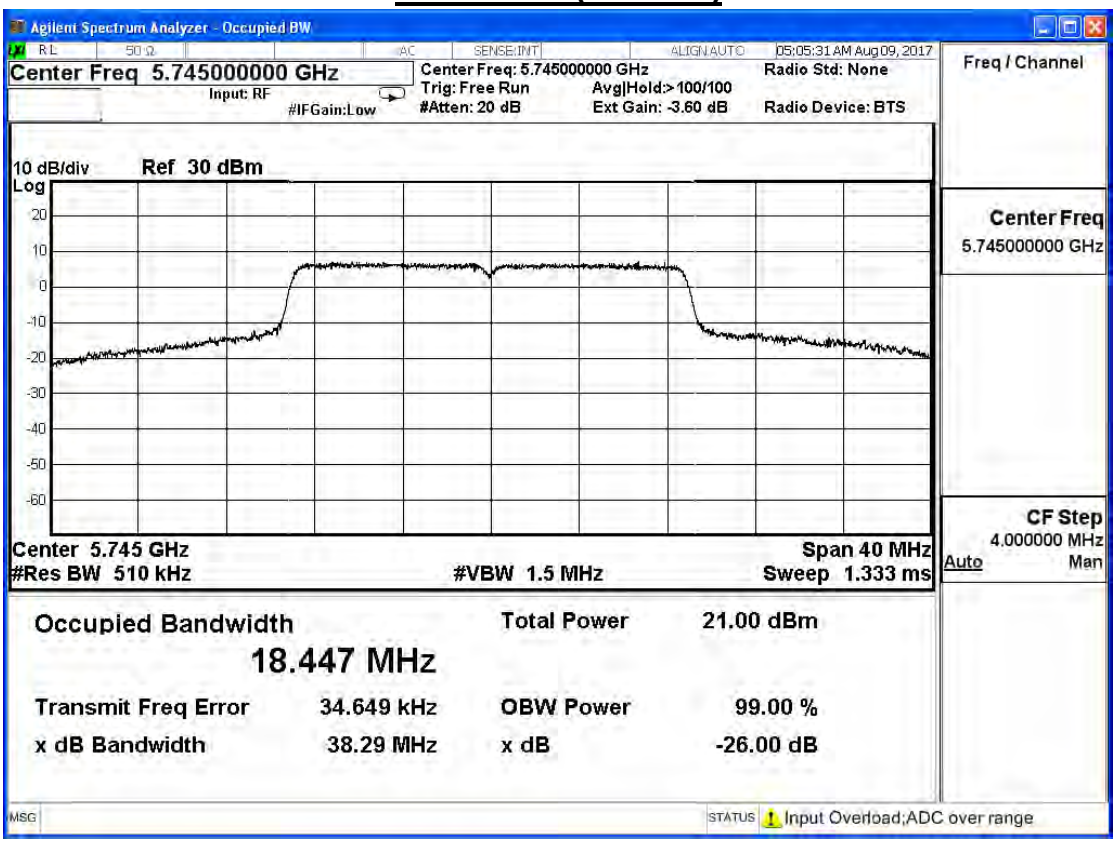
Channel 165 (5825MHz)



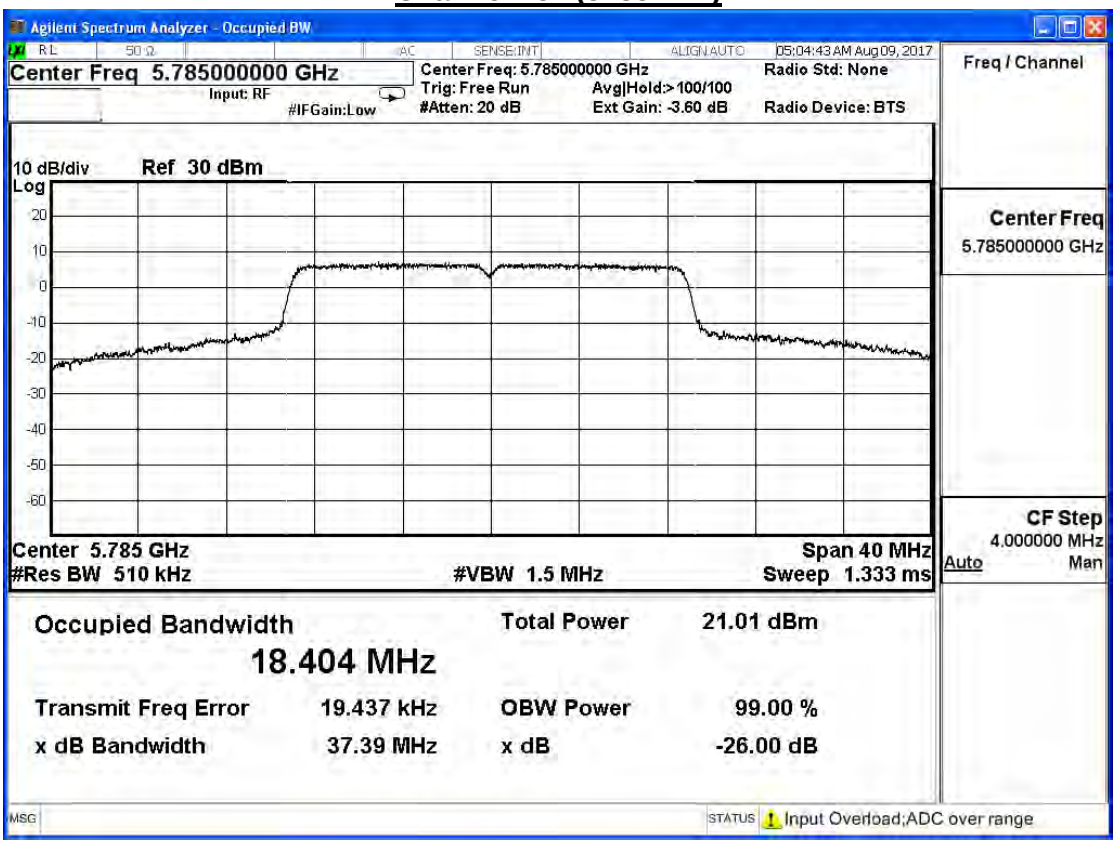
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac_20M (ANT0)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
149	5745	18.447	38.290	--	Pass
157	5785	18.404	37.390	--	Pass
165	5825	18.424	38.150	--	Pass

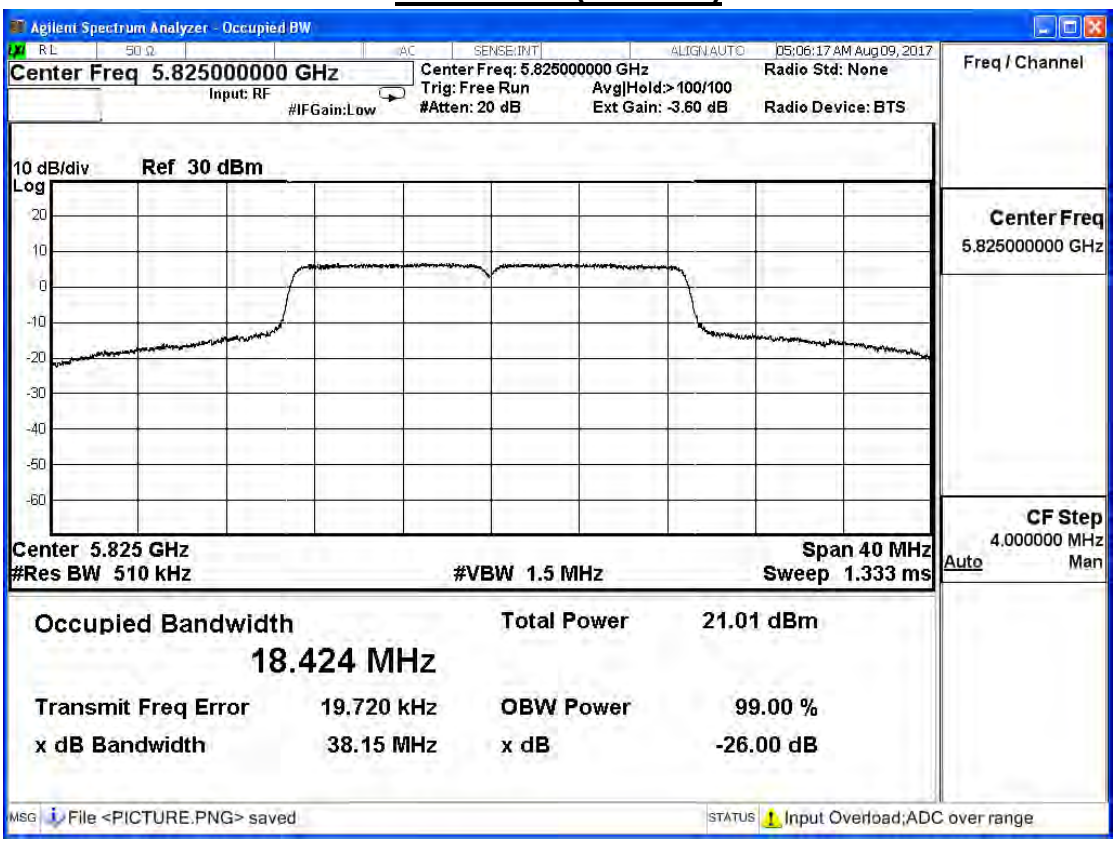
Channel 149 (5745MHz)



Channel 157 (5785MHz)



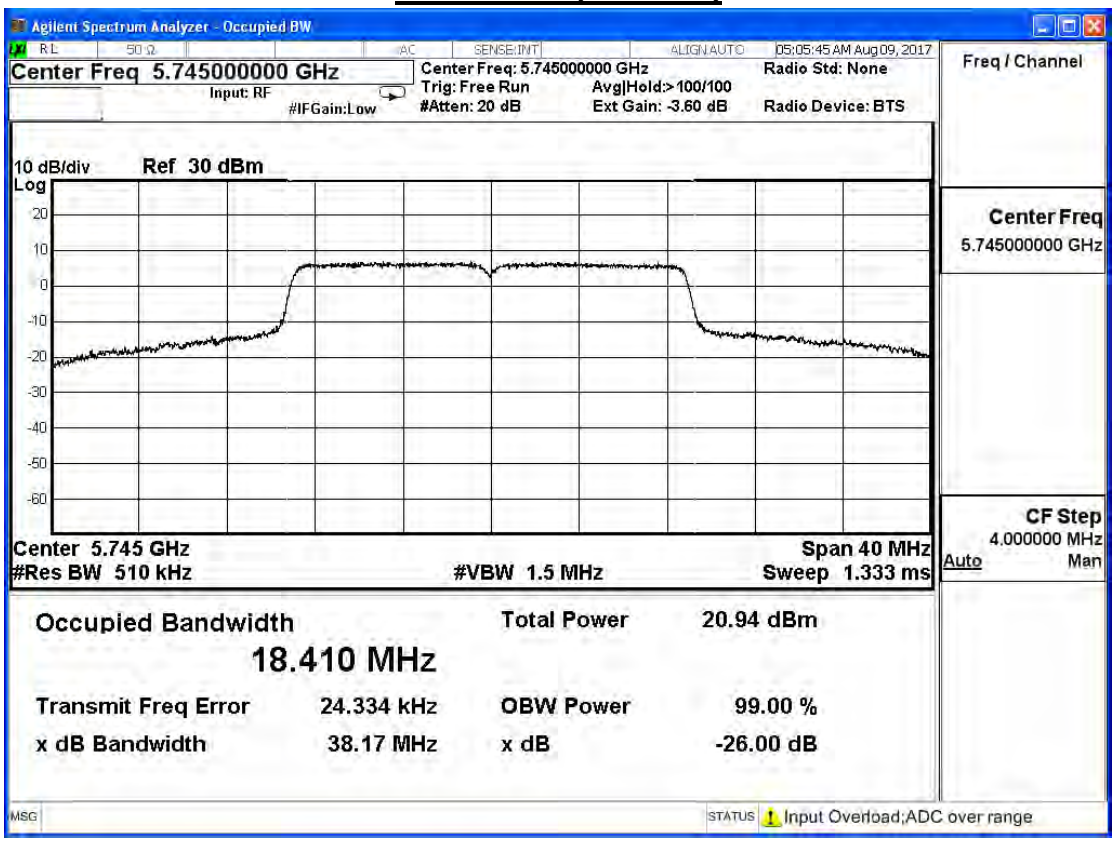
Channel 165 (5825MHz)



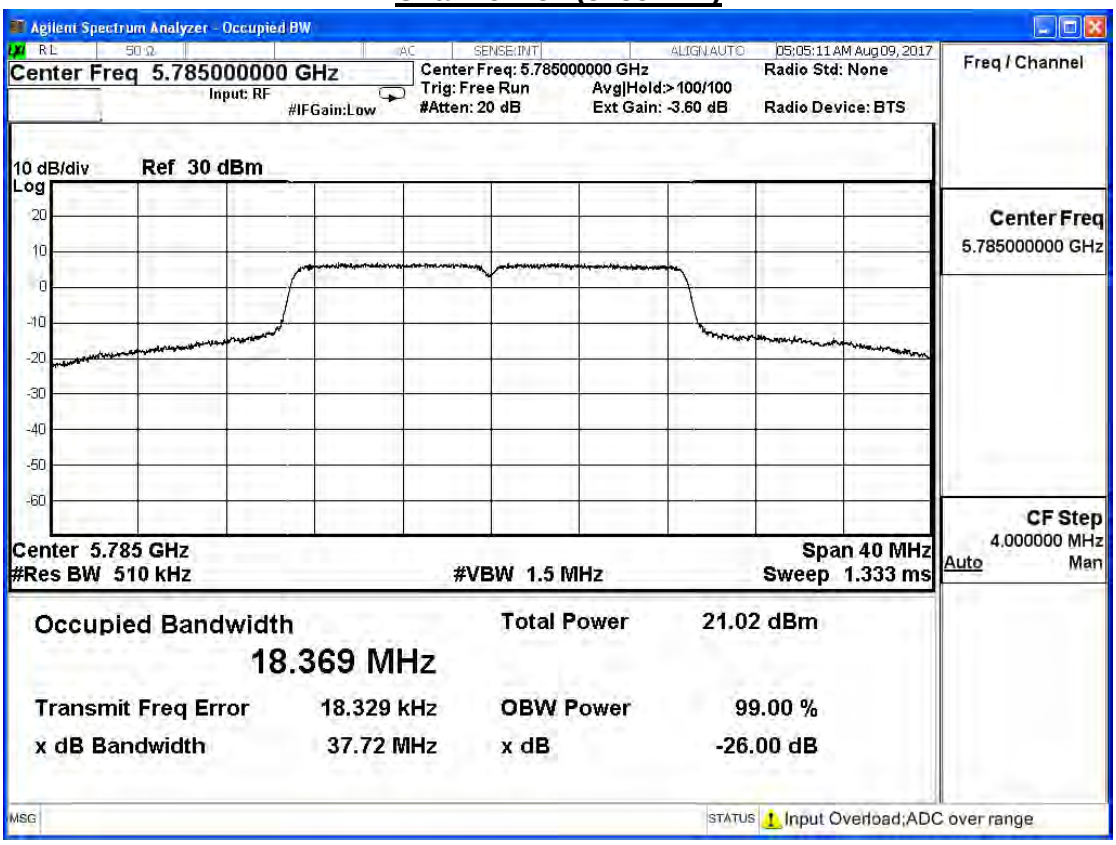
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac_20M (ANT1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
149	5745	18.410	38.170	--	Pass
157	5785	18.369	37.720	--	Pass
165	5825	18.389	37.890	--	Pass

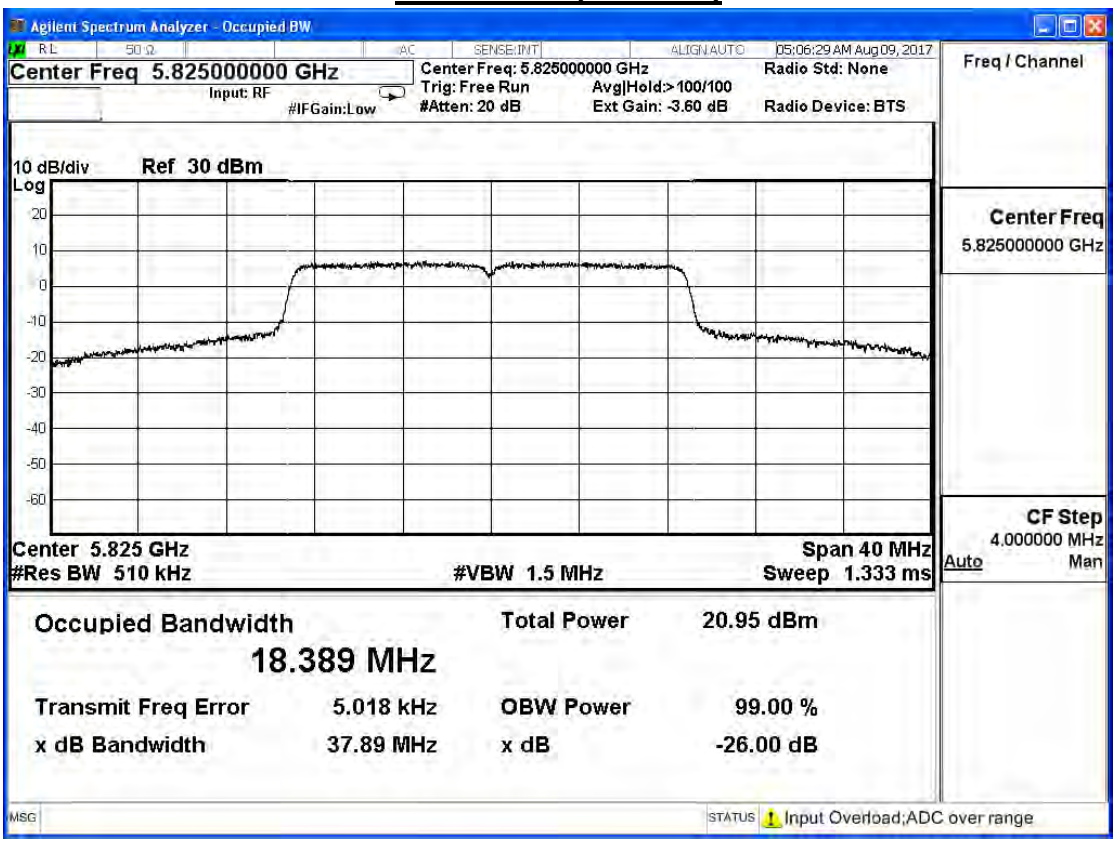
Channel 149 (5745MHz)



Channel 157 (5785MHz)



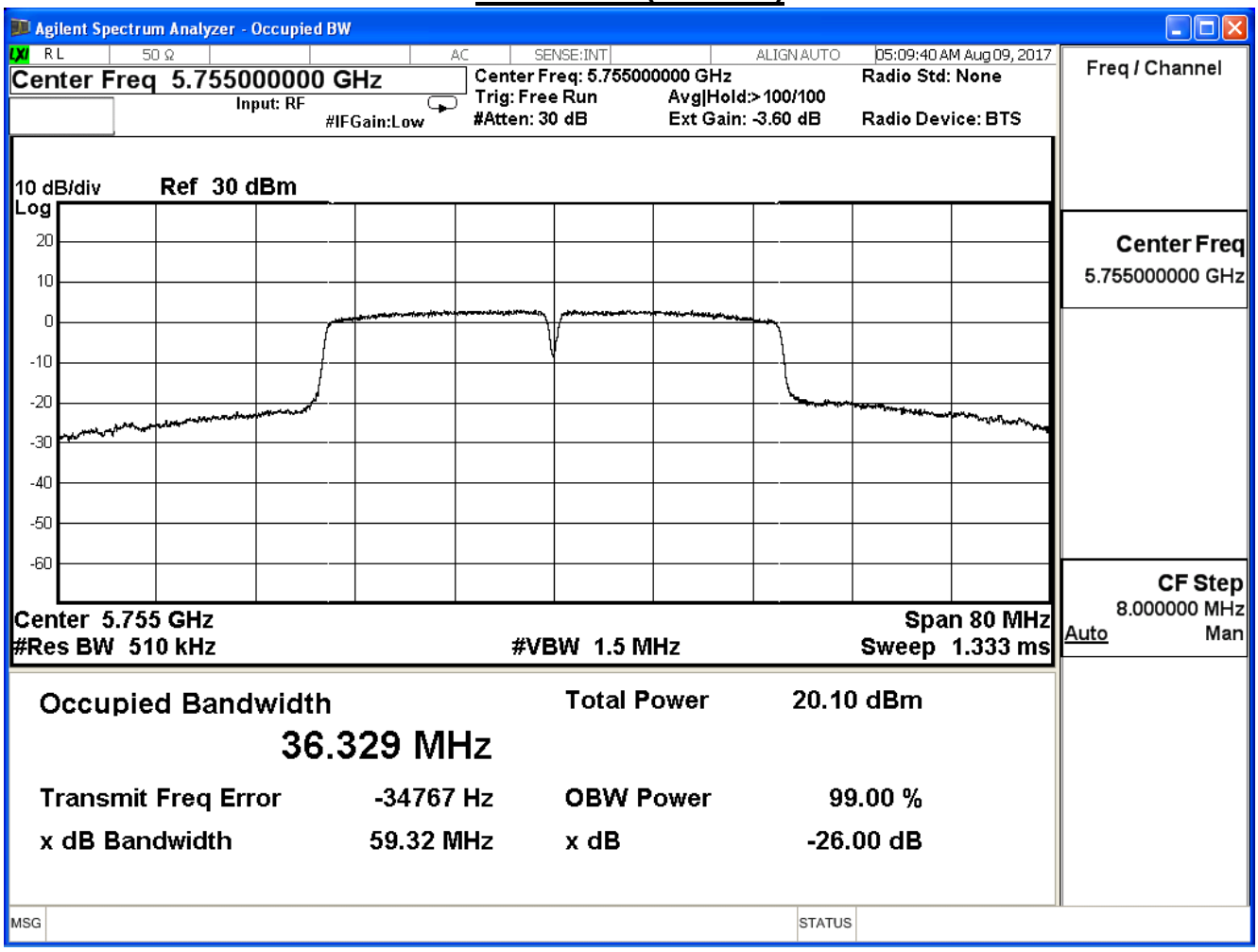
Channel 165 (5825MHz)



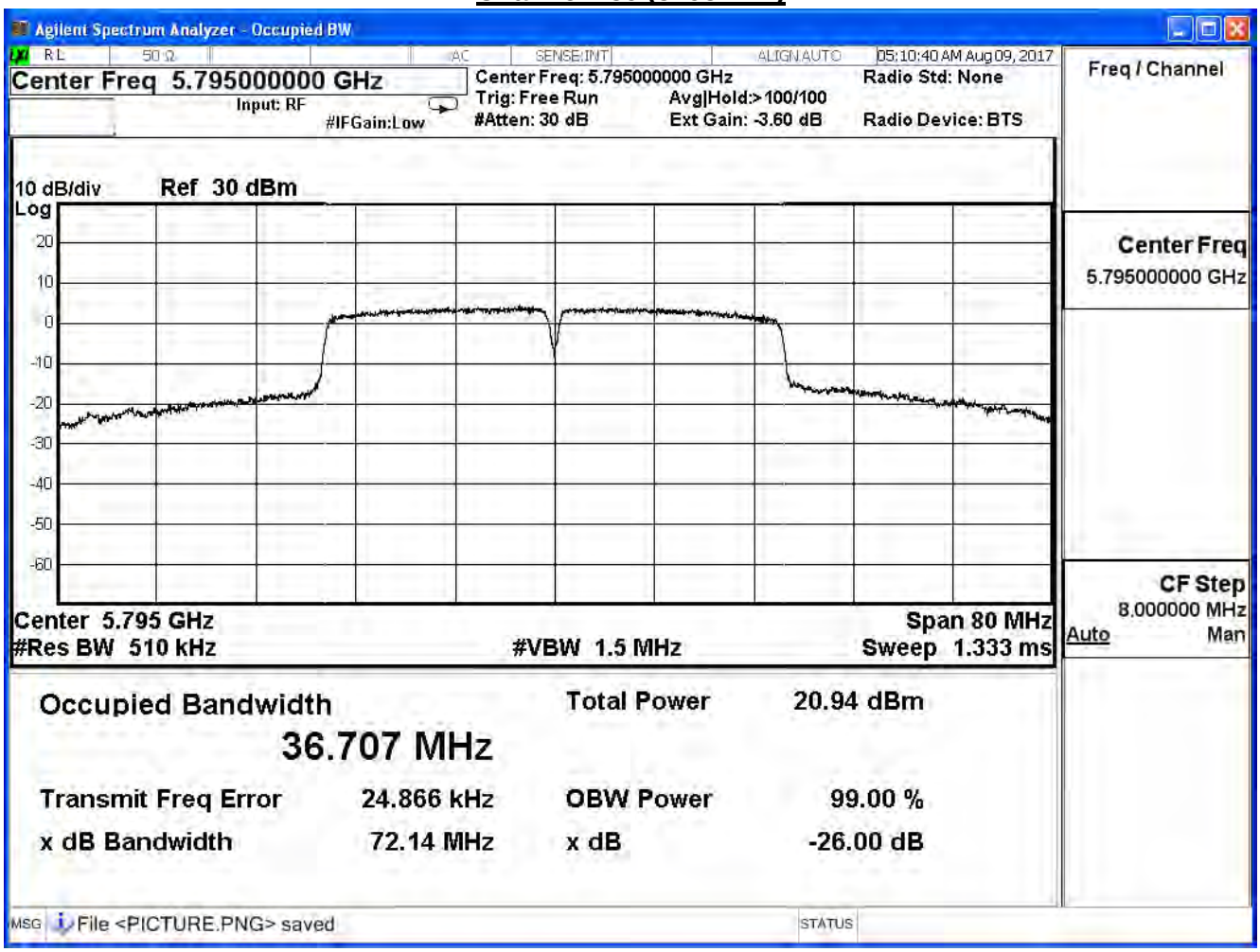
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac_40M (ANT0)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
151	5755	36.329	59.320	--	Pass
159	5795	36.707	72.140	--	Pass

Channel 151 (5755MHz)



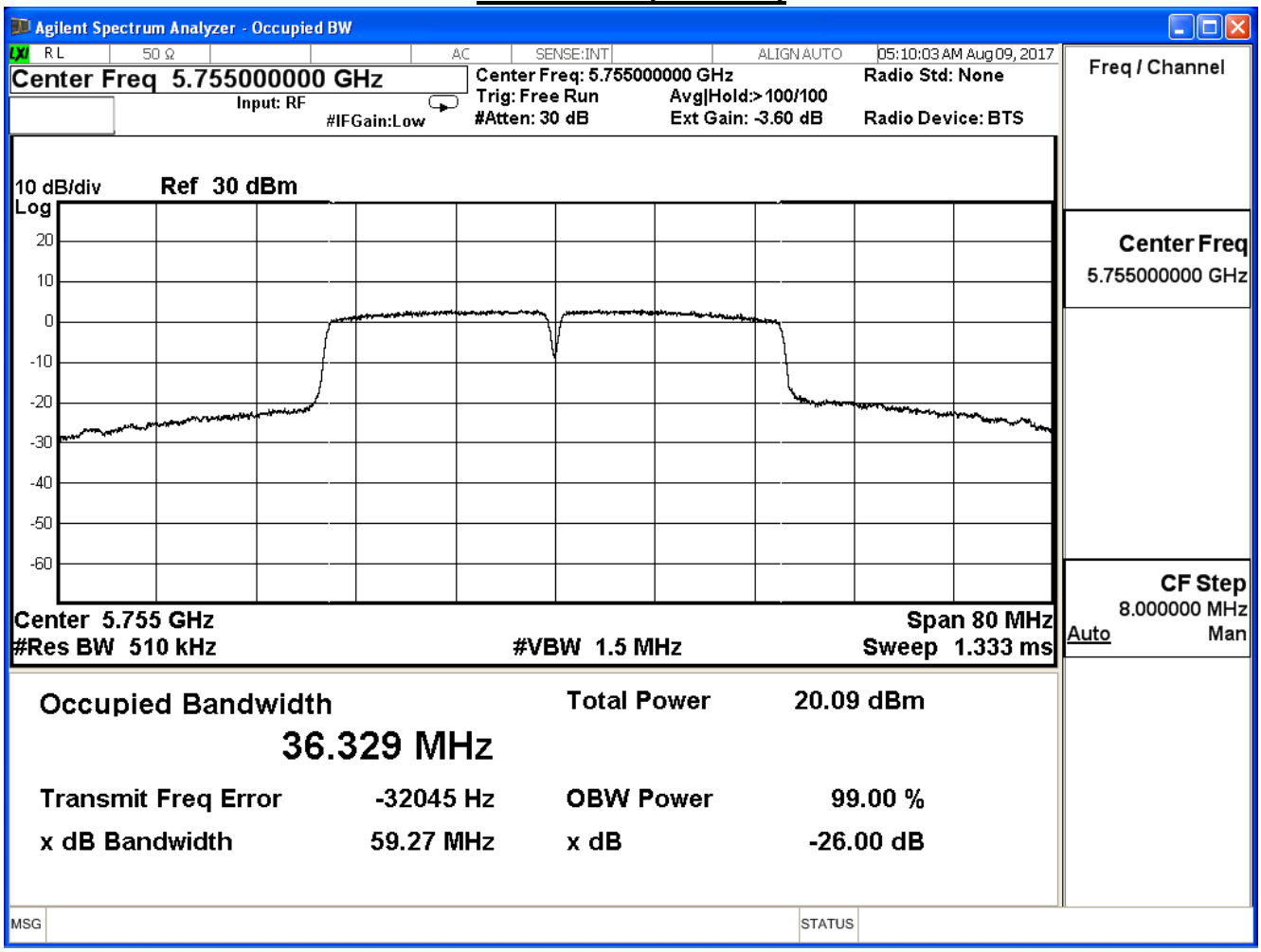
Channel 159 (5795MHz)



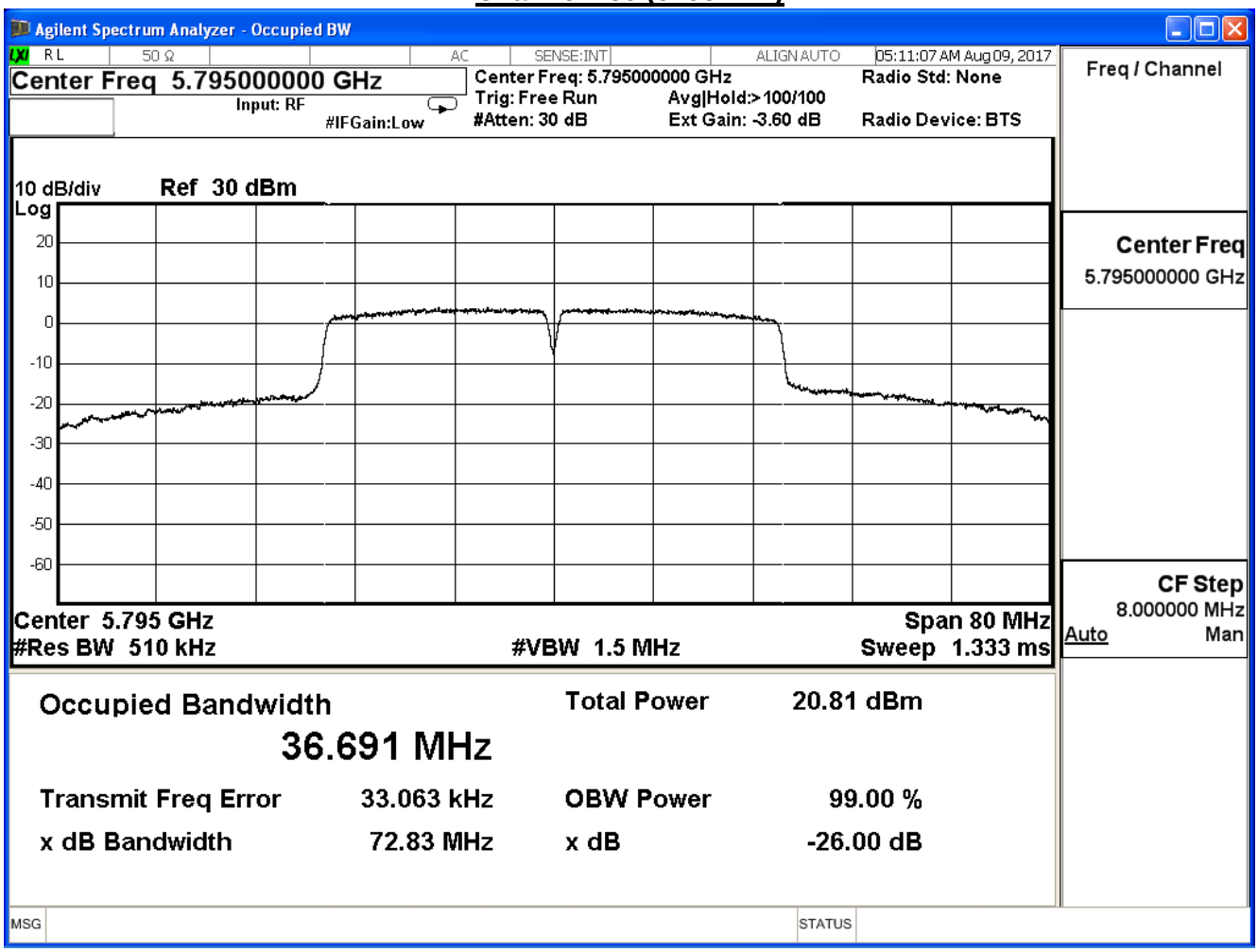
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac_40M (ANT1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
151	5755	36.329	59.270	--	Pass
159	5795	36.691	72.830	--	Pass

Channel 151 (5755MHz)



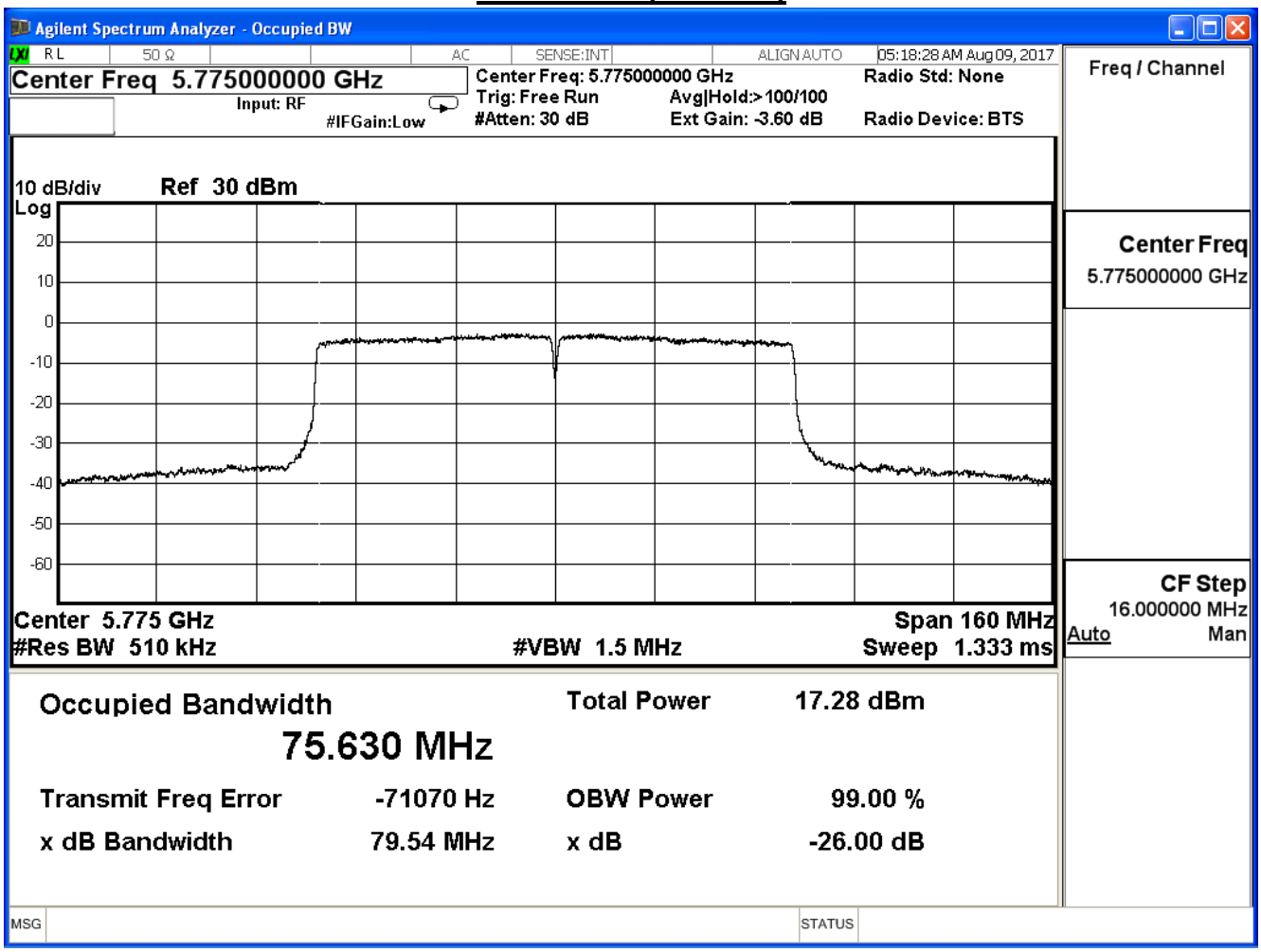
Channel 159 (5795MHz)



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac_80M (ANT0)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
155	5775	75.630	79.540	--	Pass

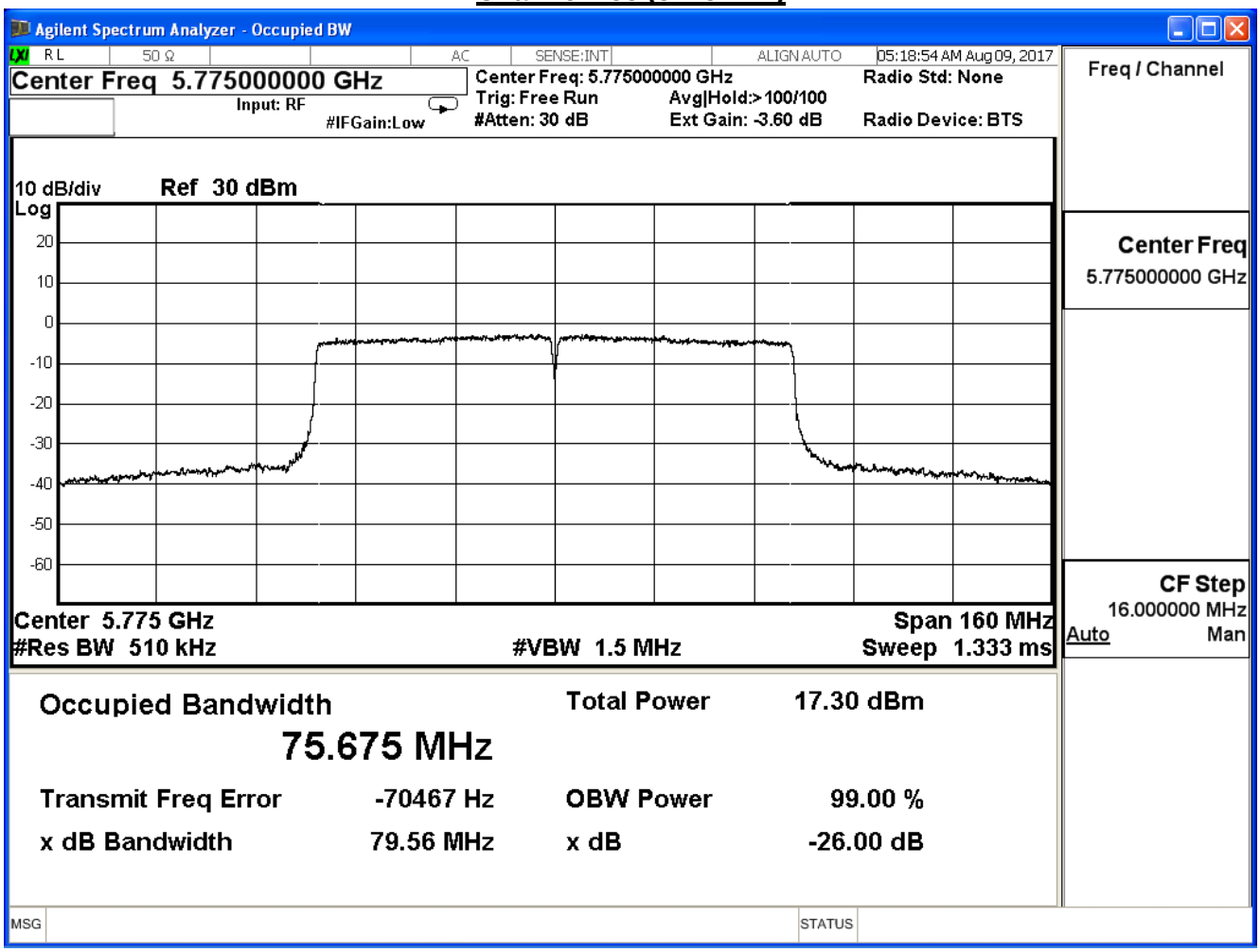
Channel 155 (5775MHz)



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac_80M (ANT1)					
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
155	5775	75.675	79.560	--	Pass

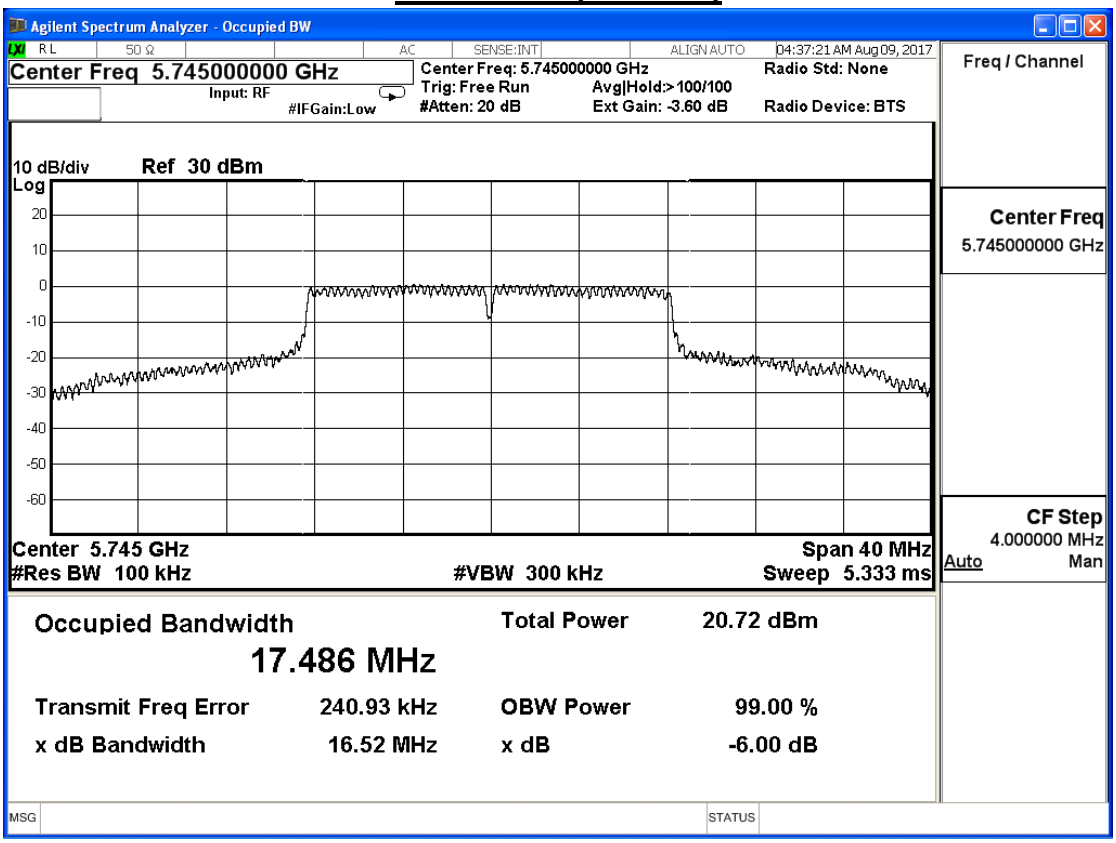
Channel 155 (5775MHz)



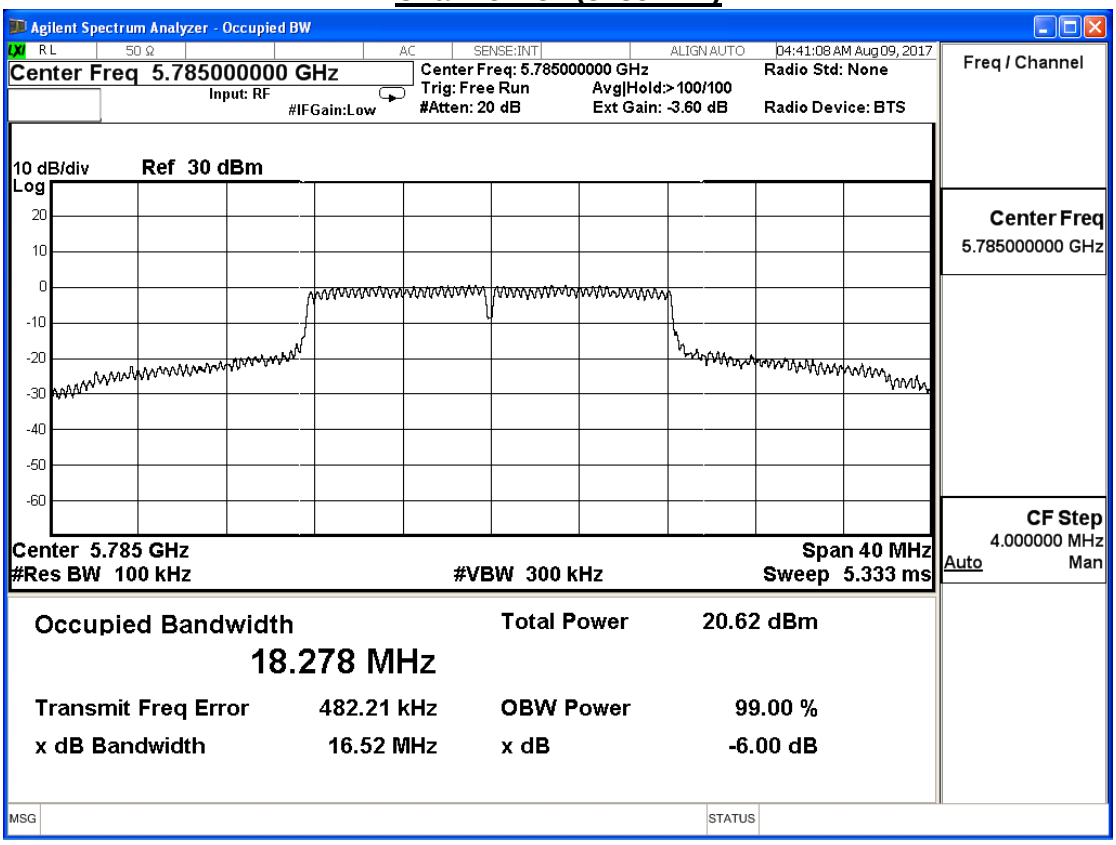
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11a(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	16.520	≧0.5	Pass
157	5785	16.520	≧0.5	Pass
165	5825	16.520	≧0.5	Pass

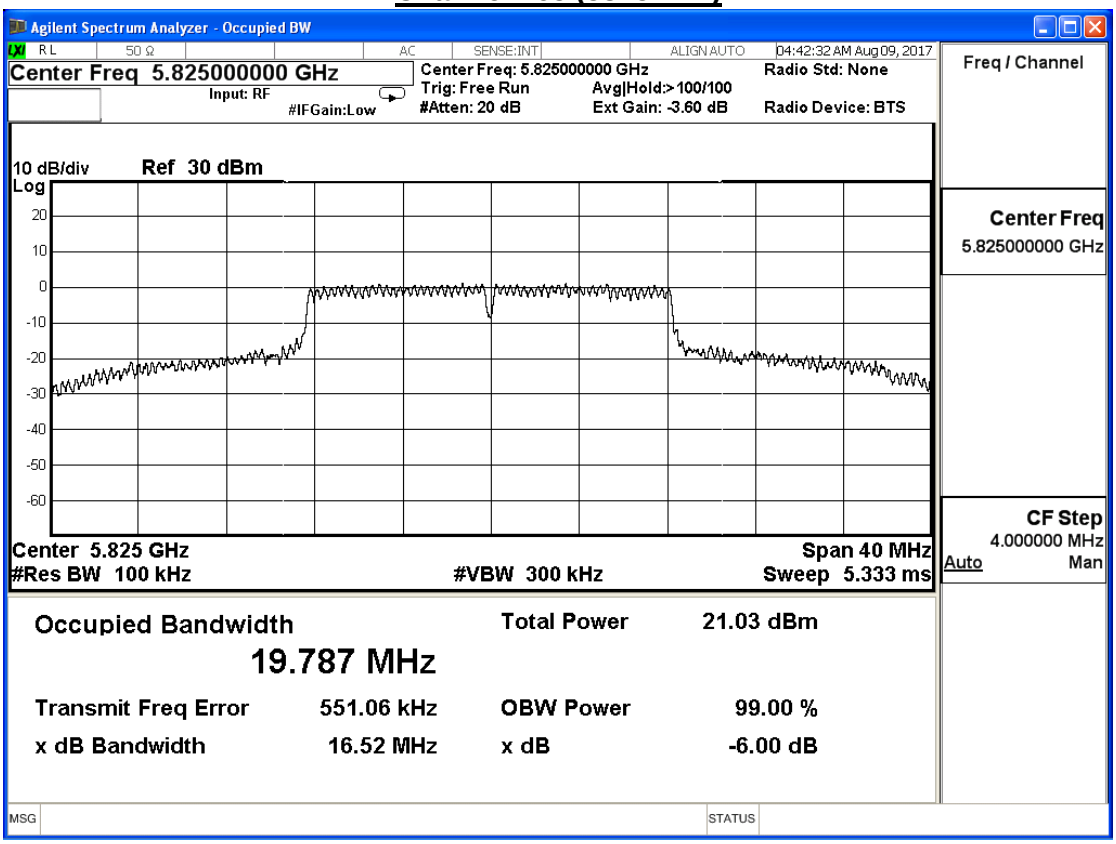
Channel 149 (5745MHz)



Channel 157 (5785MHz)



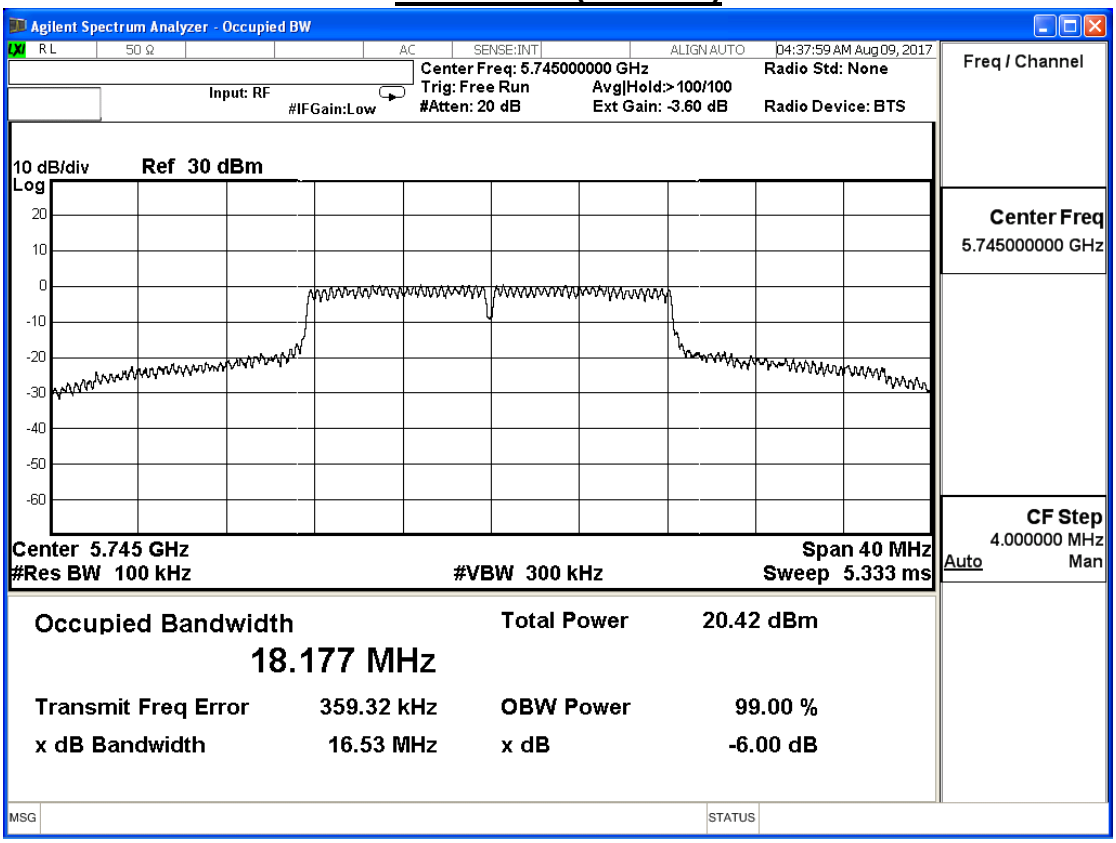
Channel 165 (5825MHz)



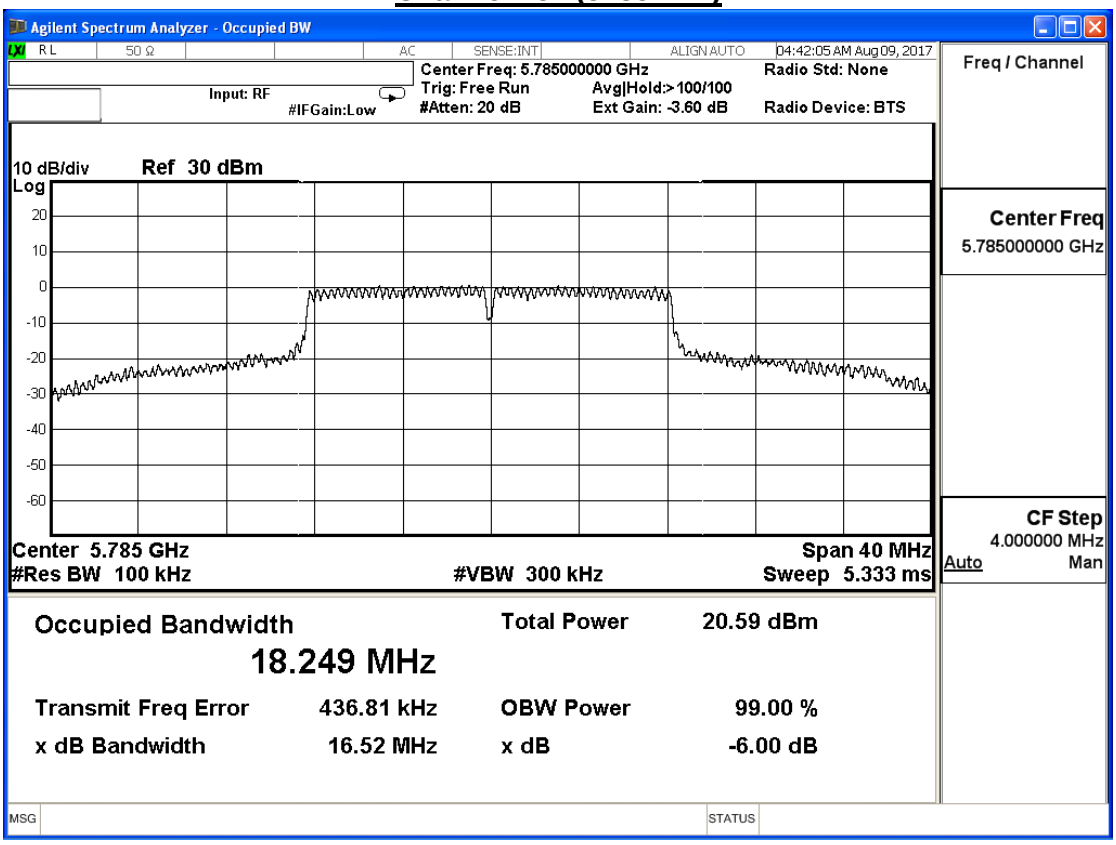
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11a(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	16.530	≧0.5	Pass
157	5785	16.520	≧0.5	Pass
165	5825	16.500	≧0.5	Pass

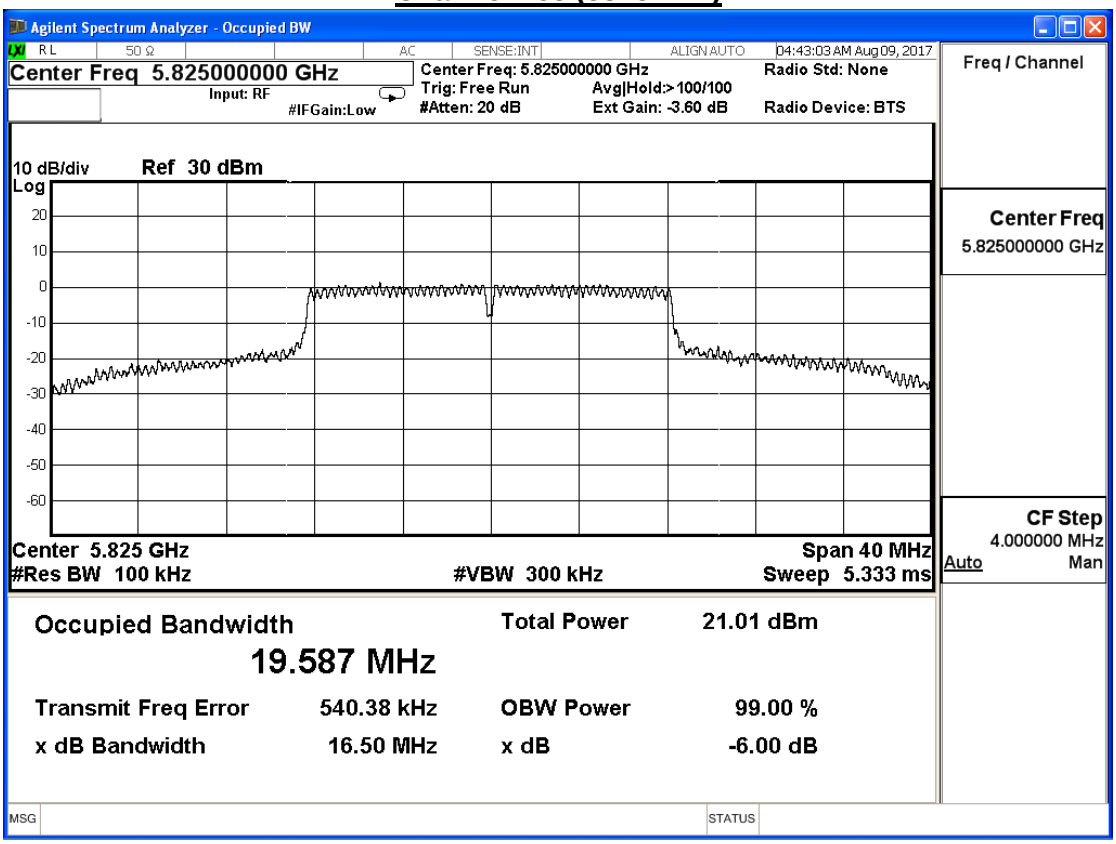
Channel 149 (5745MHz)



Channel 157 (5785MHz)



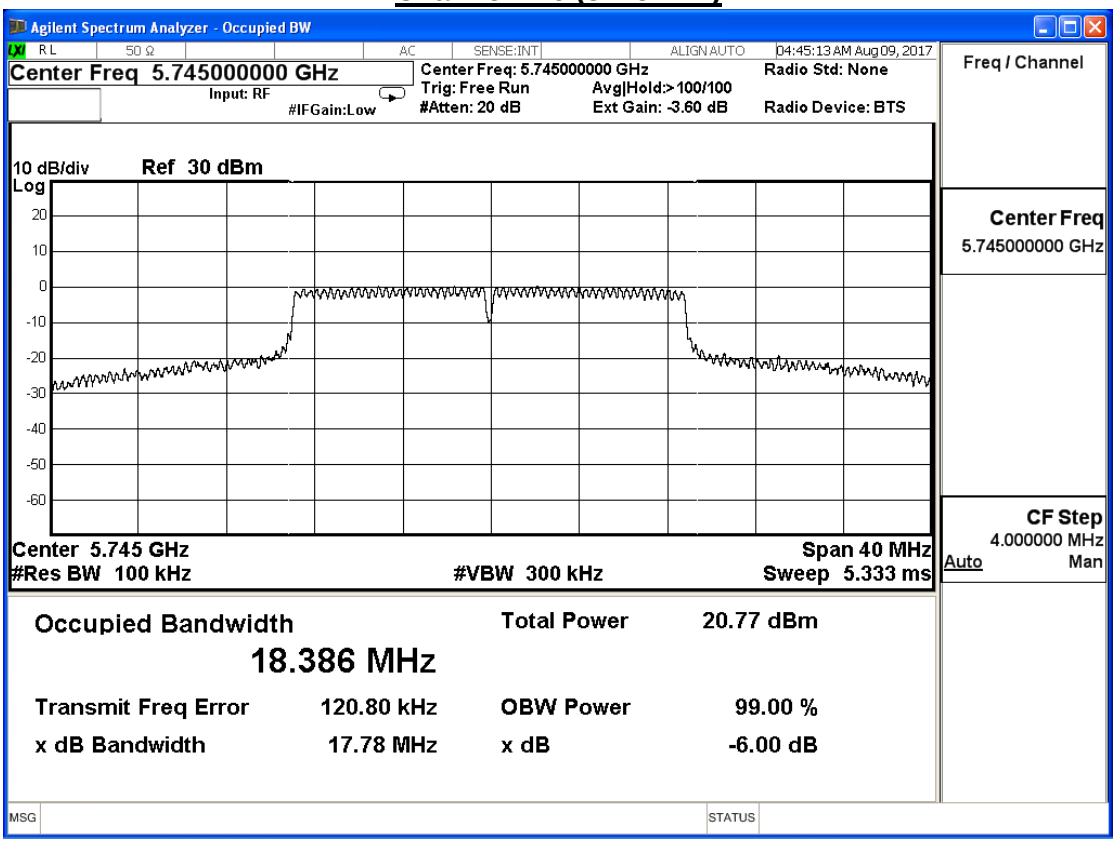
Channel 165 (5825MHz)



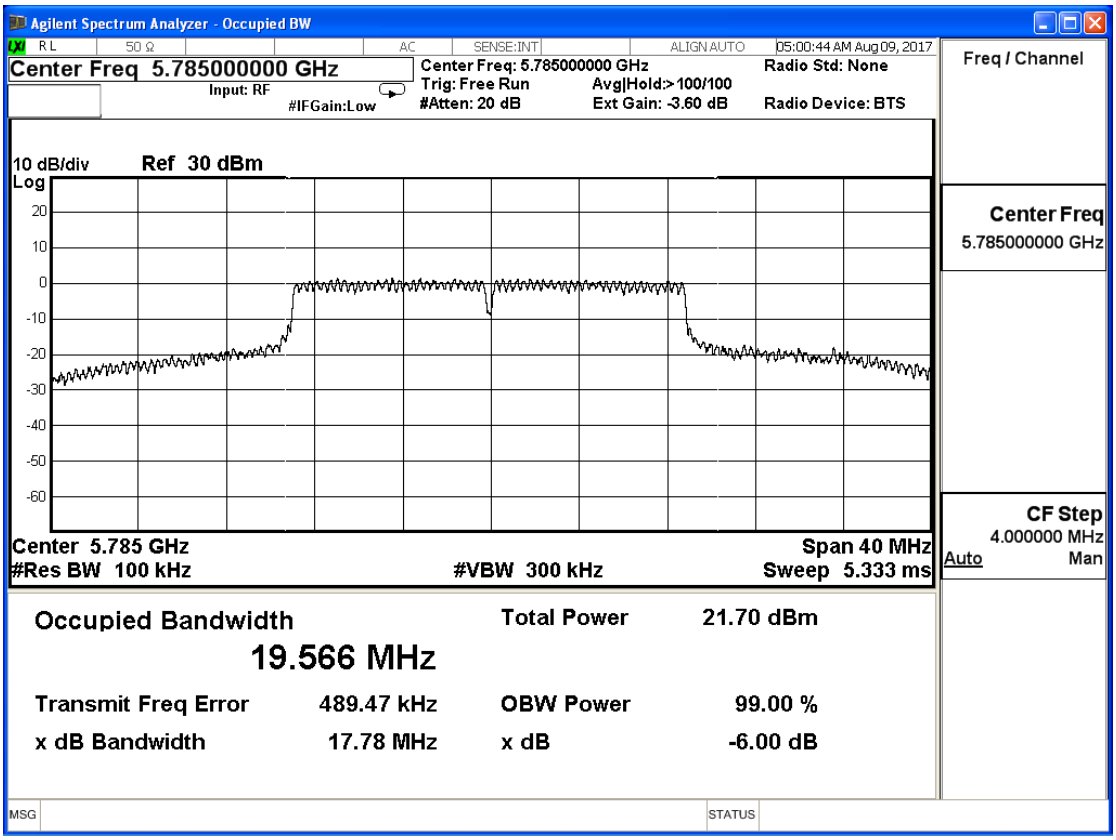
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_20M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.780	≧0.5	Pass
157	5785	17.780	≧0.5	Pass
165	5825	17.770	≧0.5	Pass

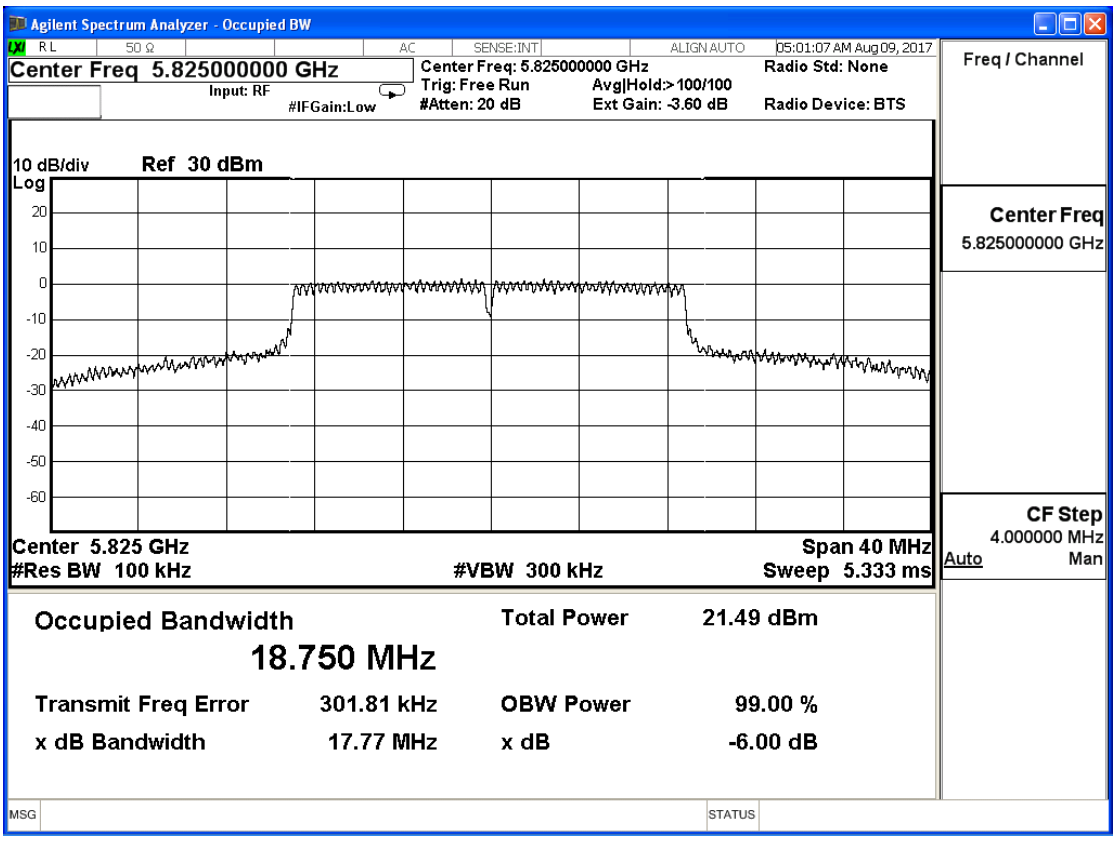
Channel 149 (5745MHz)



Channel 157 (5785MHz)



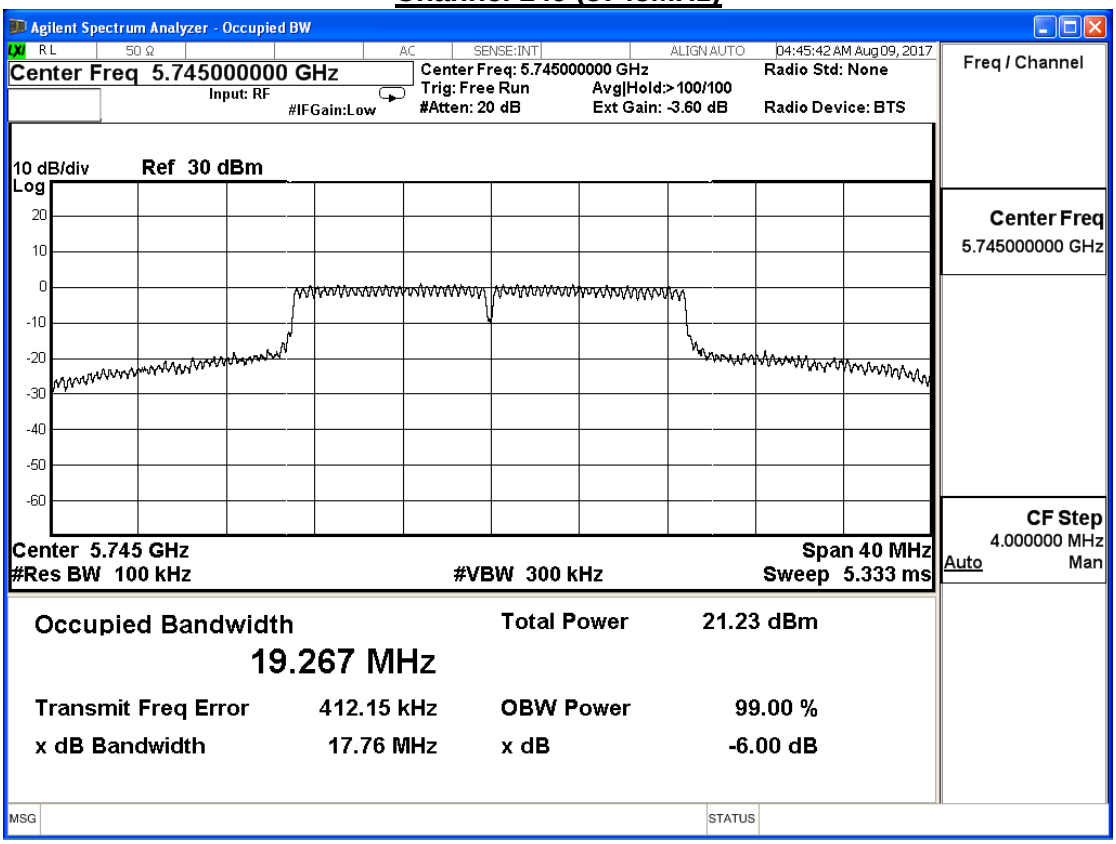
Channel 165 (5825MHz)



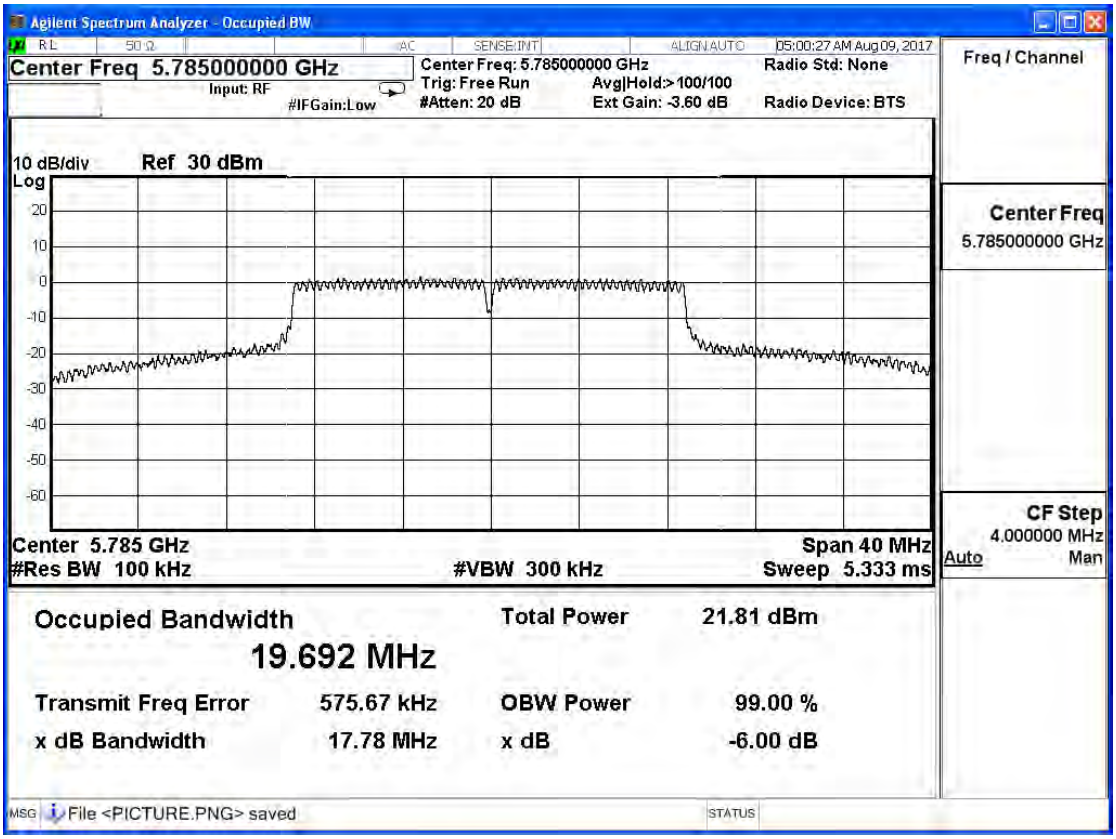
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_20M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.760	≧0.5	Pass
157	5785	17.780	≧0.5	Pass
165	5825	17.780	≧0.5	Pass

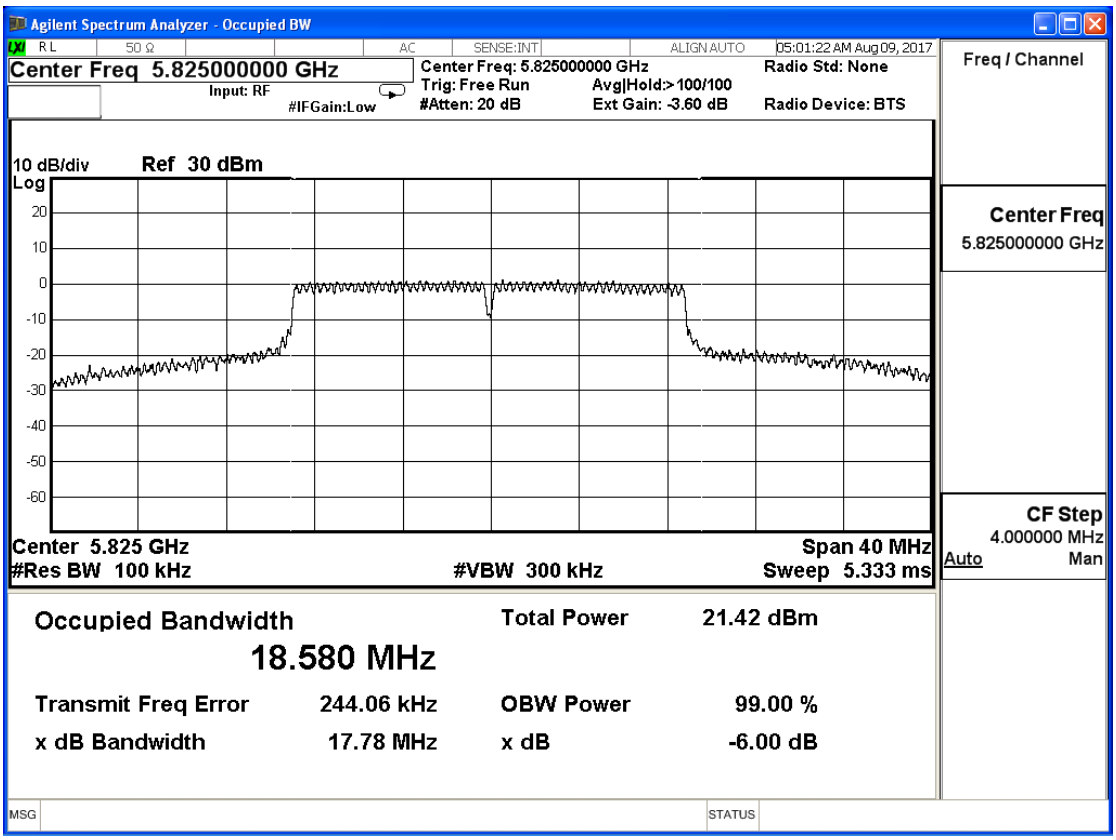
Channel 149 (5745MHz)



Channel 157 (5785MHz)



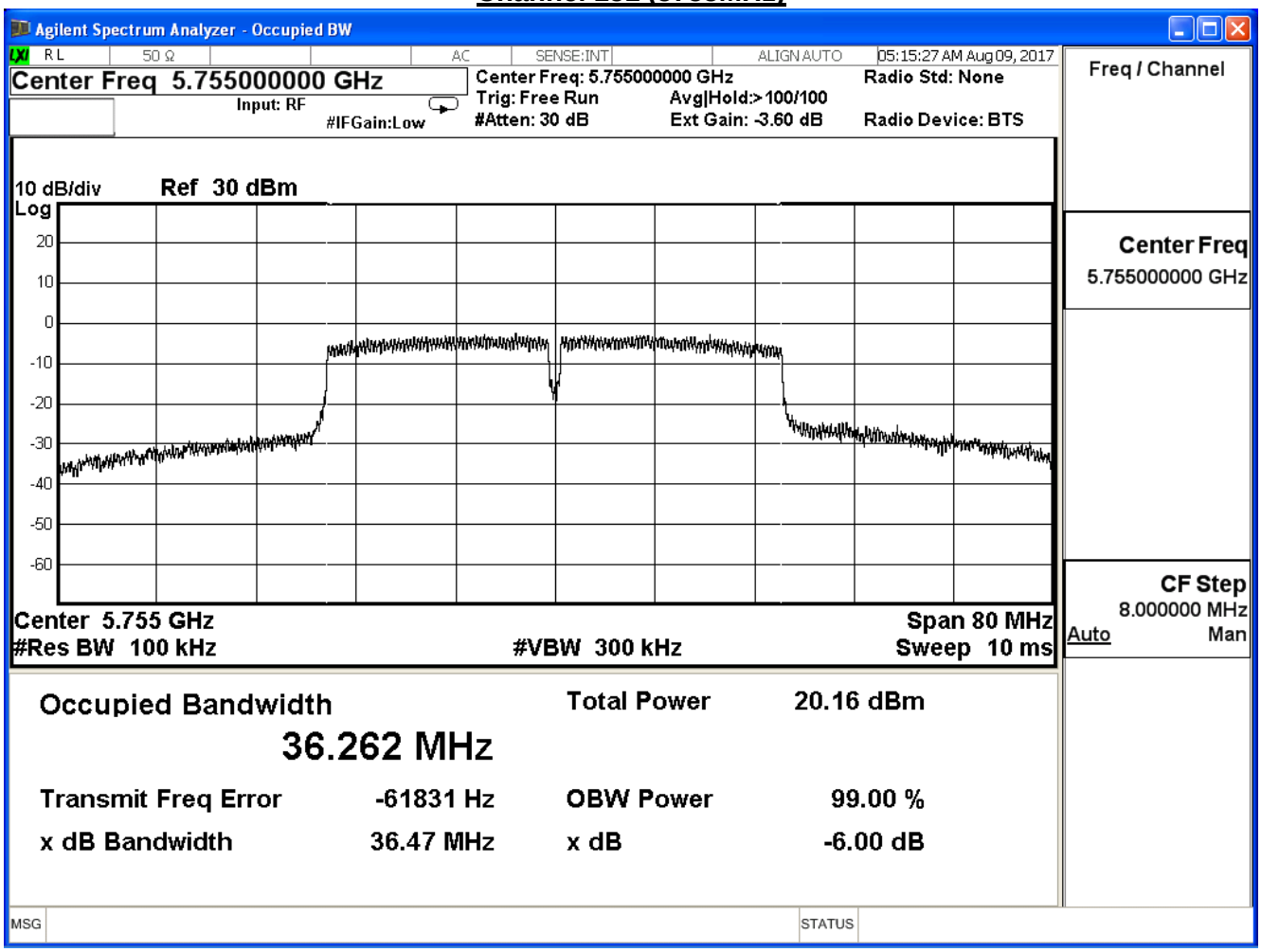
Channel 165 (5825MHz)



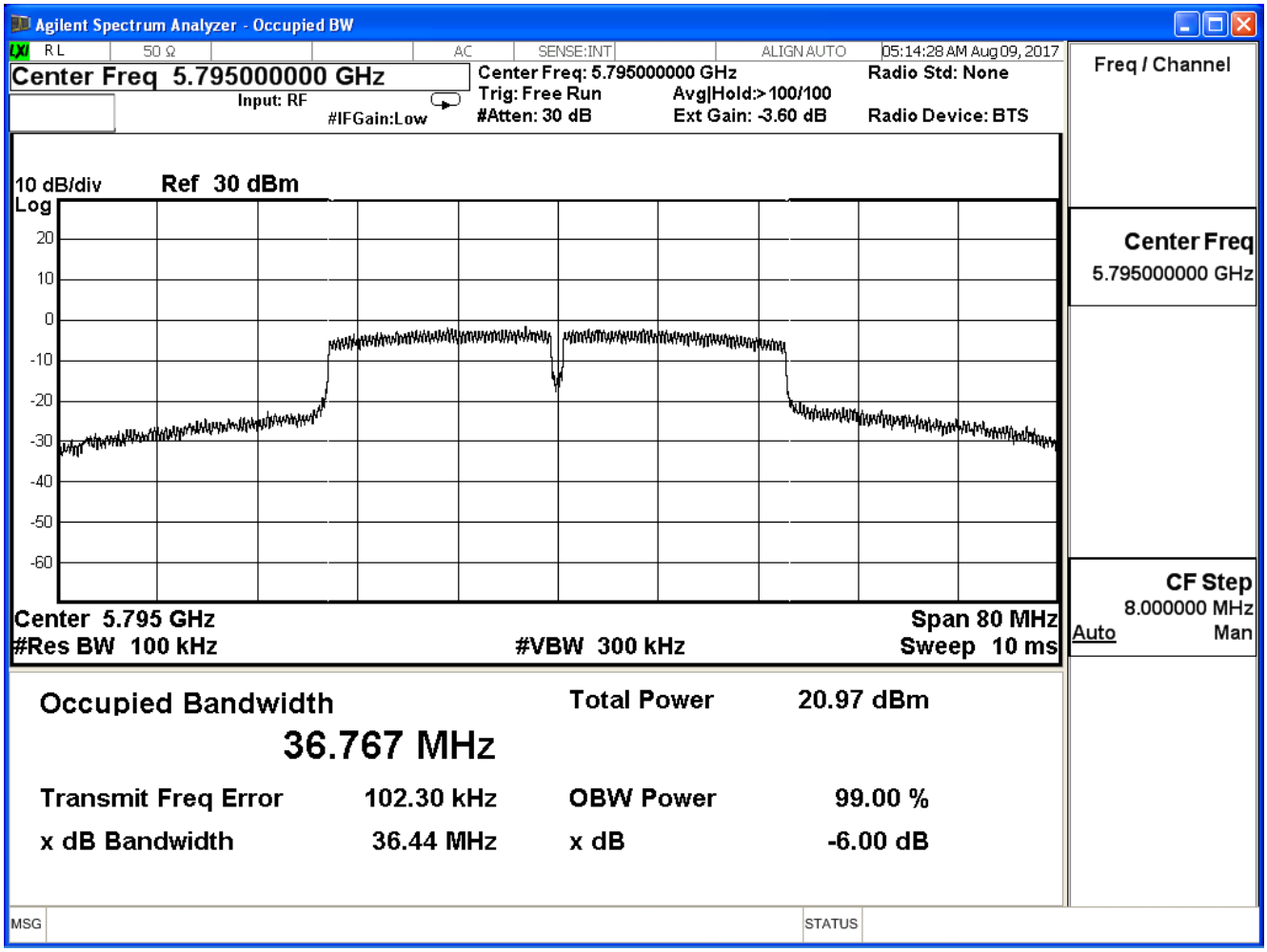
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_40M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.470	≧0.5	Pass
159	5795	36.440	≧0.5	Pass

Channel 151 (5755MHz)



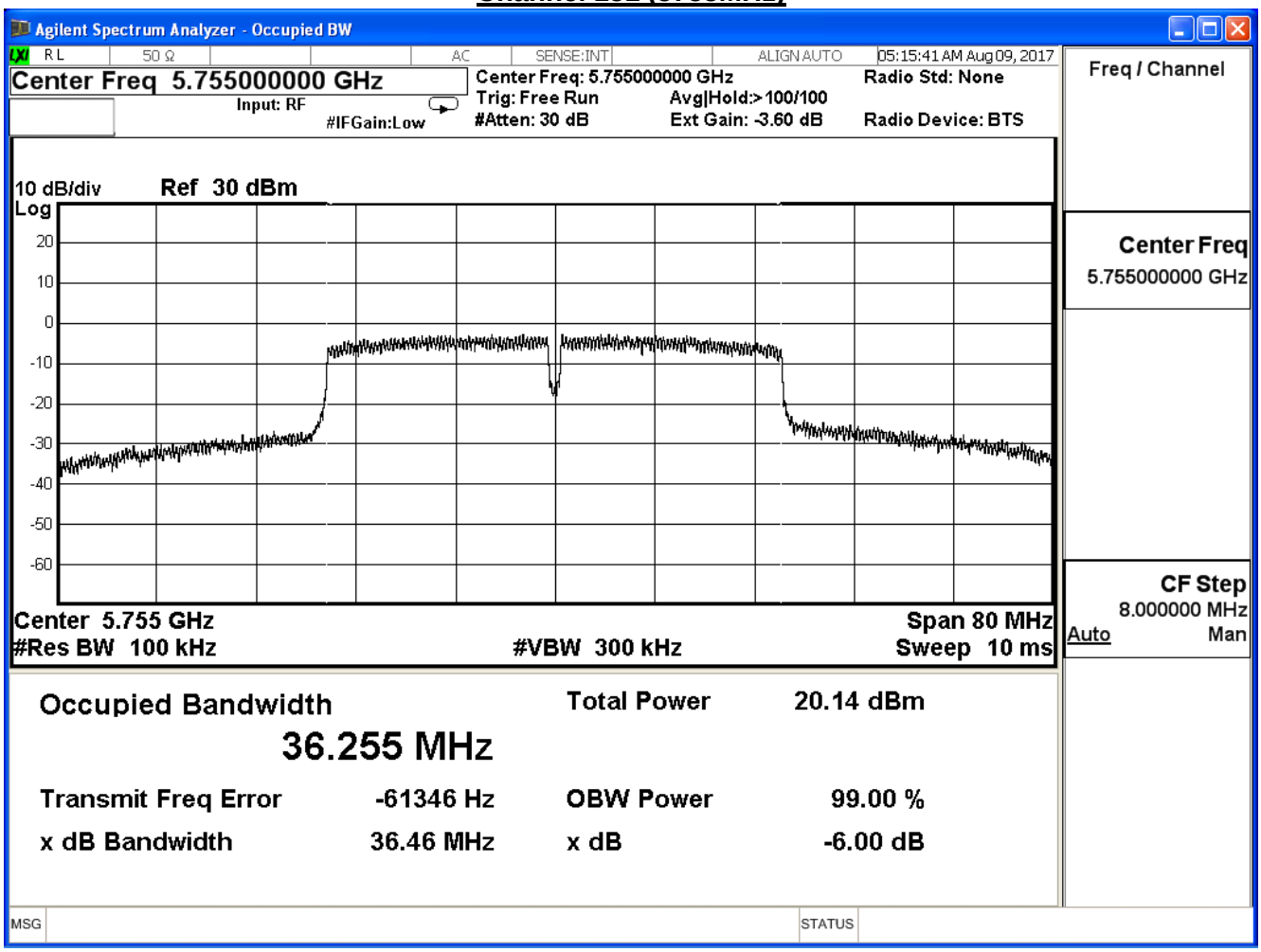
Channel 159 (5795MHz)



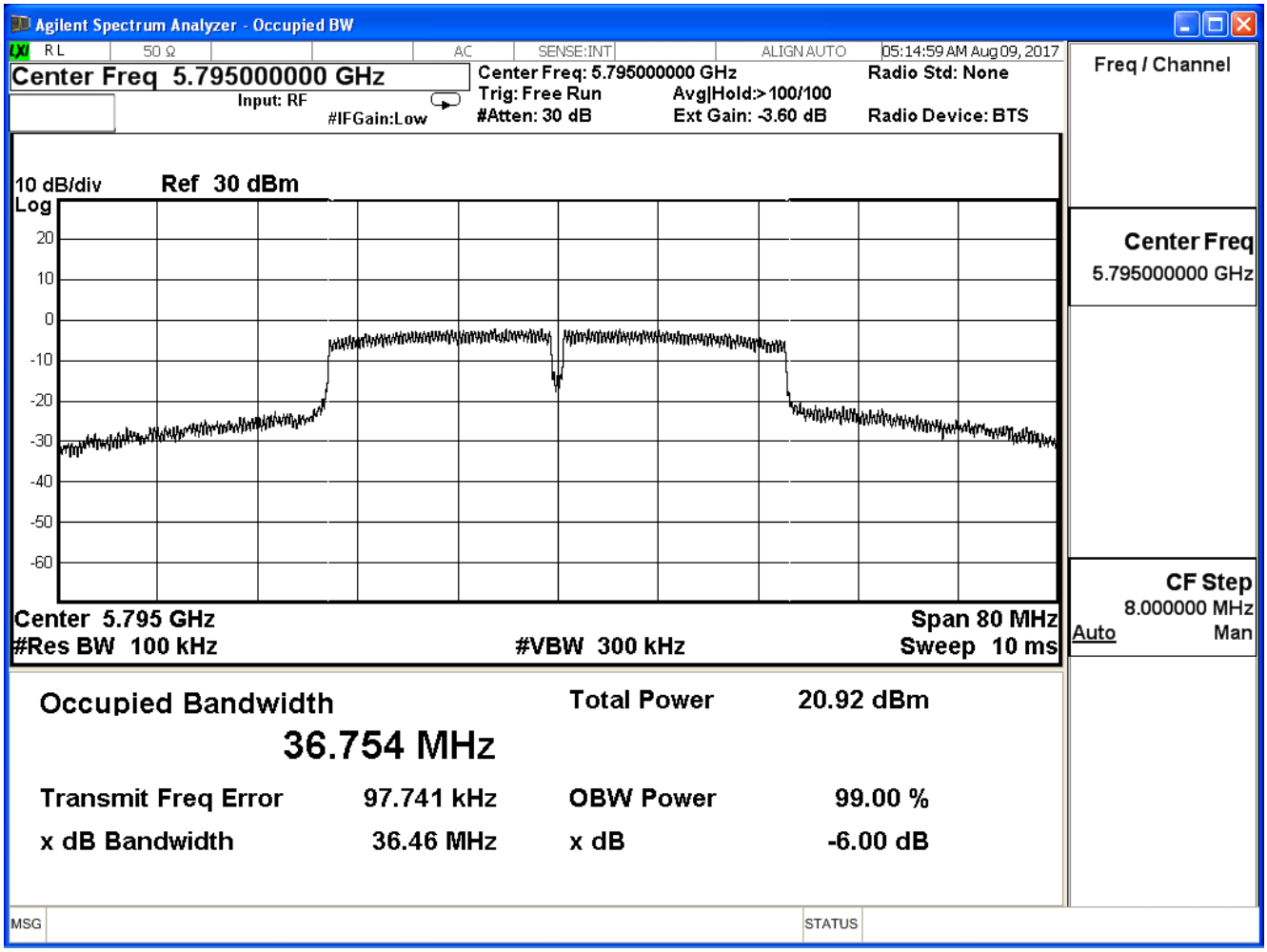
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.460	≧0.5	Pass
159	5795	36.460	≧0.5	Pass

Channel 151 (5755MHz)



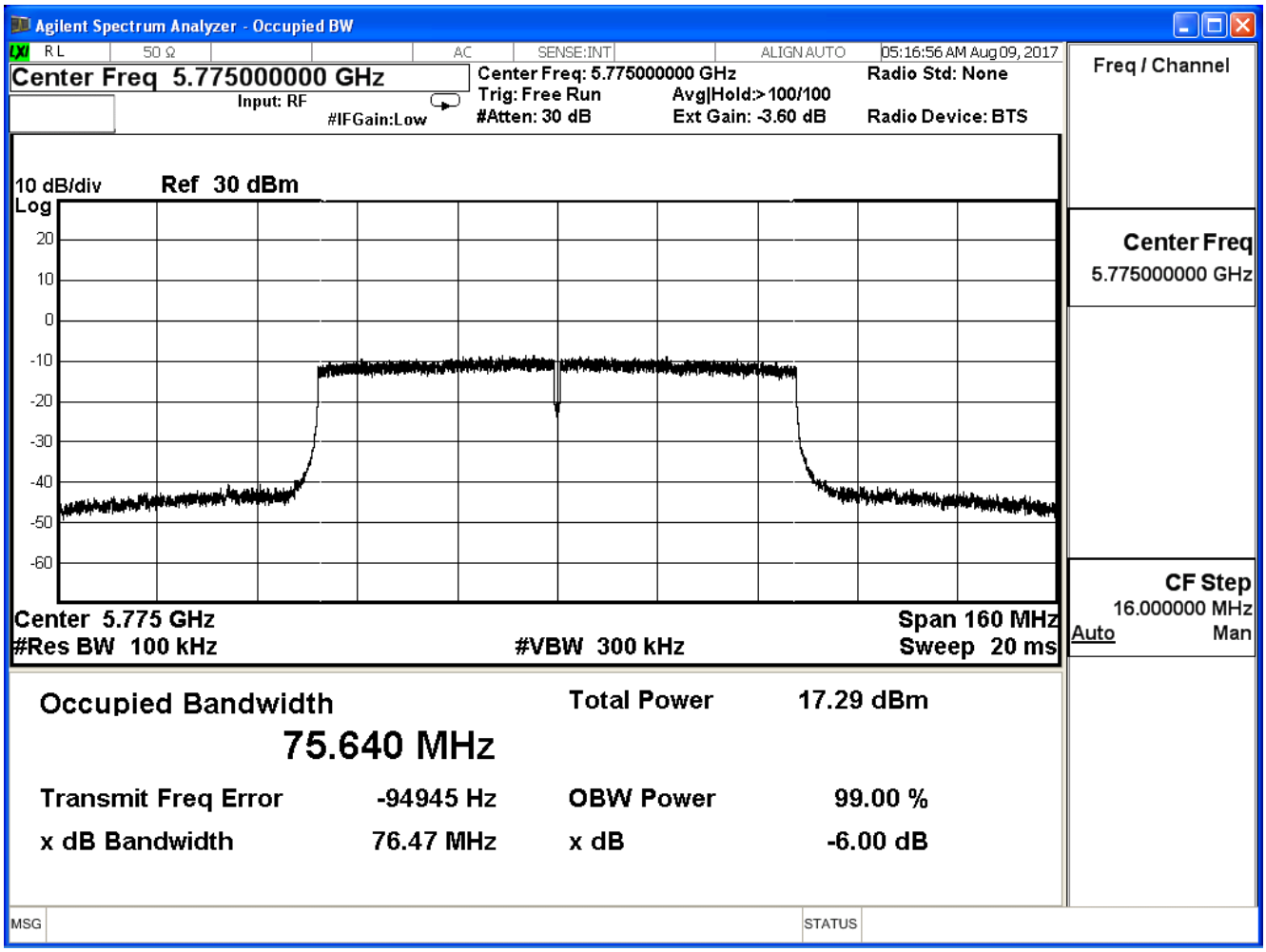
Channel 159 (5795MHz)



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_80M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	76.470	≧0.5	Pass

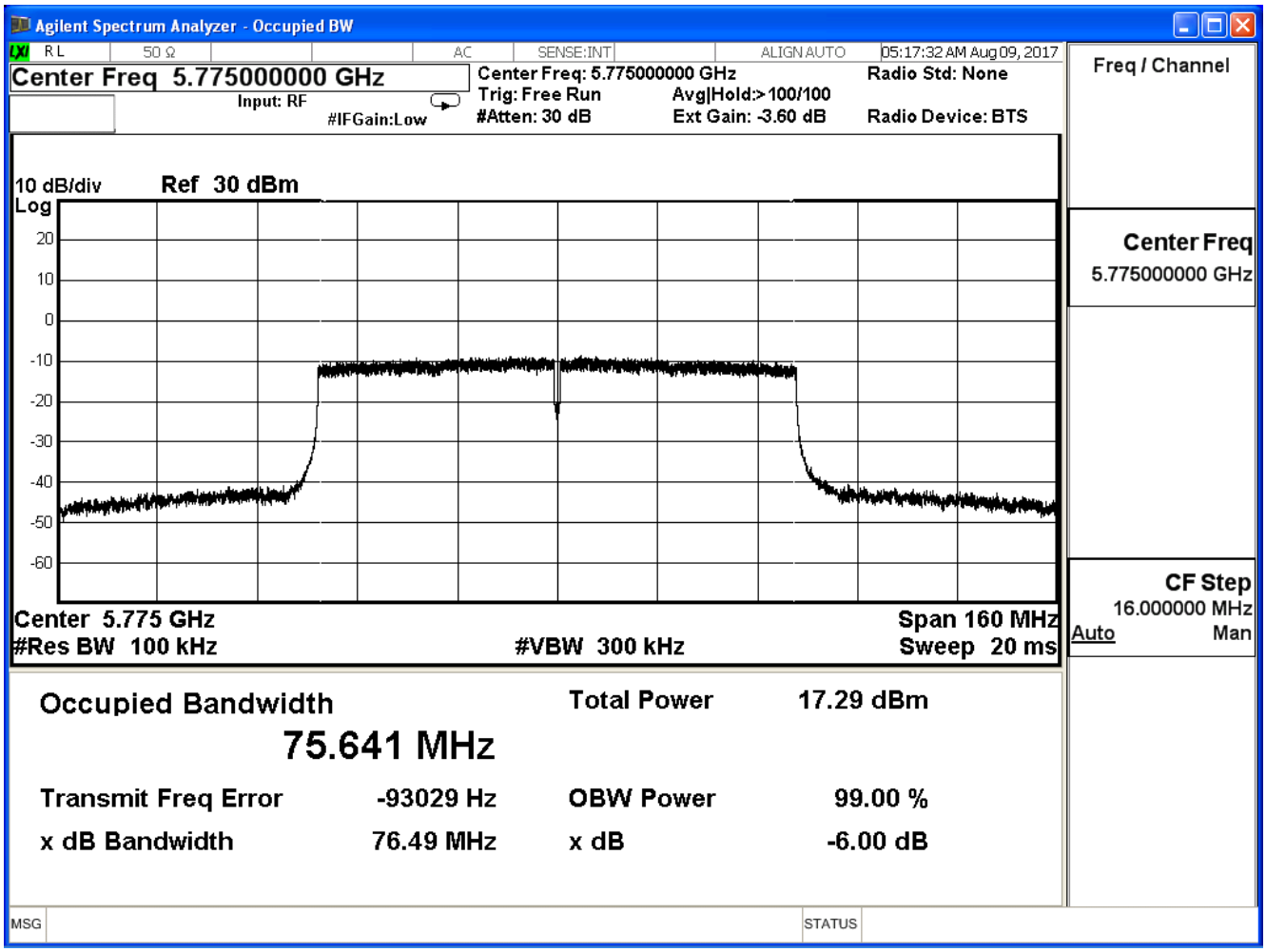
Channel 155 (5775MHz)



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11ac_80M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	76.490	≧0.5	Pass

Channel 155 (5775MHz)



4. Peak Transmit Output

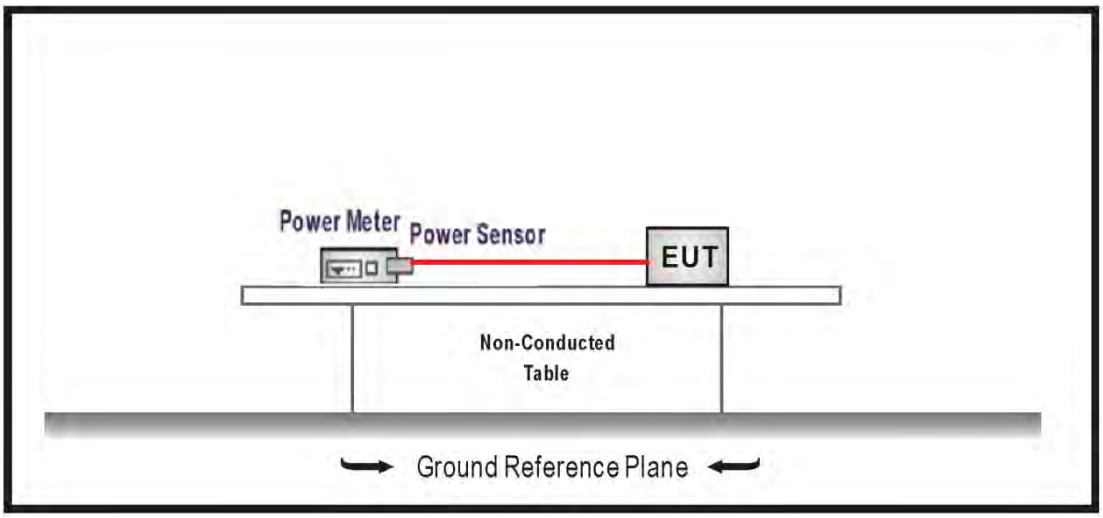
4.1. Test Equipment

The following test equipments are used during the radiated emission tests:

Peak Transmit Output / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2017/01/20	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531043	2017/01/20	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531044	2017/01/20	2018/01/19

4.2. Test Setup



4.3. Limits

1. For the band 5.15-5.25 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

2. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. The maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4. For the band 5.725-5.850 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4.4. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of 789033 D02 v01r04 for compliance to FCC 47CFR Subpart E requirements. The Method SA-1 of the Maximum conducted output power was used.
Set RBW=1MHz, VBW=3MHz with RMS detector and trace average 100 traces in power averaging mode. Set span to encompass the entire emission bandwidth (EBW) of the signal. Compute power by integrating the spectrum across the 26 dB EBW of the signal.

4.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

4.6. Test Result

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_CDD Mode (802.11a)		
Date of Test	2017/08/09	Test Site	SR10-H

802.11a (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	17.620	≤30
44	5220	22.600	≤30
48	5240	20.790	≤30

802.11a (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	17.510	≤30
44	5220	22.520	≤30
48	5240	20.660	≤30

802.11a (ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	20.576	≤30
44	5220	25.570	≤30
48	5240	23.736	≤30

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz)(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.150	≤30
44	5220	22.770	≤30
48	5240	21.650	≤30

IEEE 802.11ac(20MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.000	≤30
44	5220	22.800	≤30
48	5240	21.570	≤30

IEEE 802.11ac(20MHz)(ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	21.086	≤30
44	5220	25.795	≤30
48	5240	24.620	≤30

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(40MHz)(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	15.240	≤30
46	5230	20.040	≤30

IEEE 802.11ac(40MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	15.160	≤30
46	5230	20.120	≤30

IEEE 802.11ac(40MHz)(ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	18.210	≤30
46	5230	23.090	≤30

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	12.460	≤30

IEEE 802.11ac(80MHz) (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	12.500	≤30

IEEE 802.11ac(80MHz) (ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	15.490	≤30

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_CDD Mode (802.11a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.560	≤30
157	5785	22.190	≤30
165	5825	22.310	≤30

IEEE 802.11a (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.770	≤30
157	5785	22.590	≤30
165	5825	22.360	≤30

IEEE 802.11a (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	25.677	≤30
157	5785	25.405	≤30
165	5825	25.345	≤30

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz) (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.680	≤30
157	5785	22.230	≤30
165	5825	22.360	≤30

IEEE 802.11ac(20MHz) (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.810	≤30
157	5785	22.520	≤30
165	5825	22.470	≤30

IEEE 802.11ac(20MHz) (ANT 0+11)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	25.756	≤30
157	5785	25.388	≤30
165	5825	25.426	≤30

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(40MHz)(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	21.030	≤30
159	5795	22.140	≤30

IEEE 802.11ac(40MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	21.250	≤30
159	5795	22.150	≤30

IEEE 802.11ac(40MHz)(ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	24.152	≤30
159	5795	25.155	≤30

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	17.910	≤30

IEEE802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	18.200	≤30

IEEE802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	21.068	≤30

5. Peak Power Spectrum Density

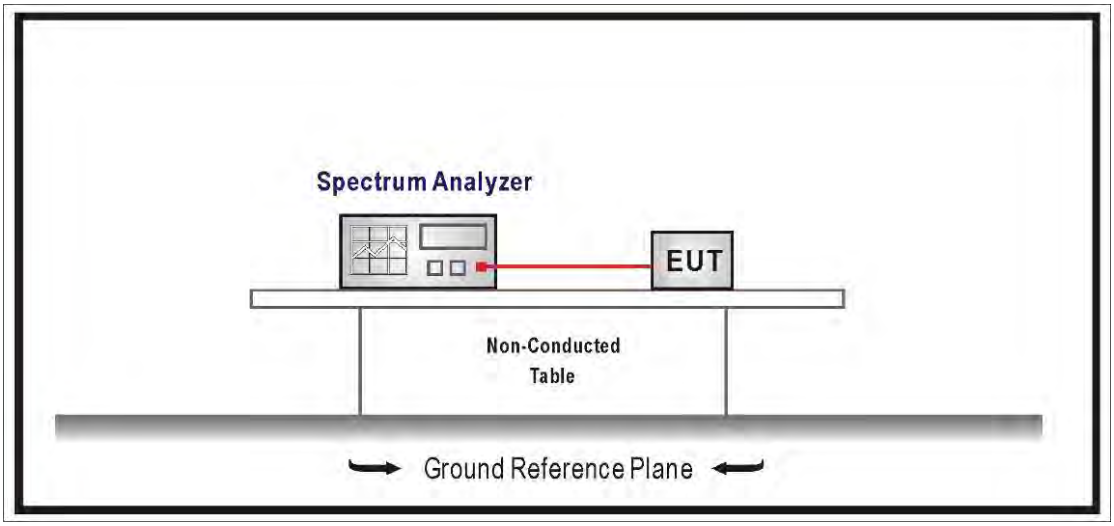
5.1. Test Equipment

The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12

5.2. Test Setup



5.3. Limits

1. For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm in any 1MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi
3. For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
4. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

5.4. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033.D02 v01r04 for compliance to FCC 47CFR Subpart E requirements.

For Band1 : Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

For Band4 : Set RBW=500KHz, VBW=1.5MHz with RMS detector. The PPSD is the highest level found across the emission in any 500KHz band after 100 sweeps of averaging.

5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

5.6. Test Result

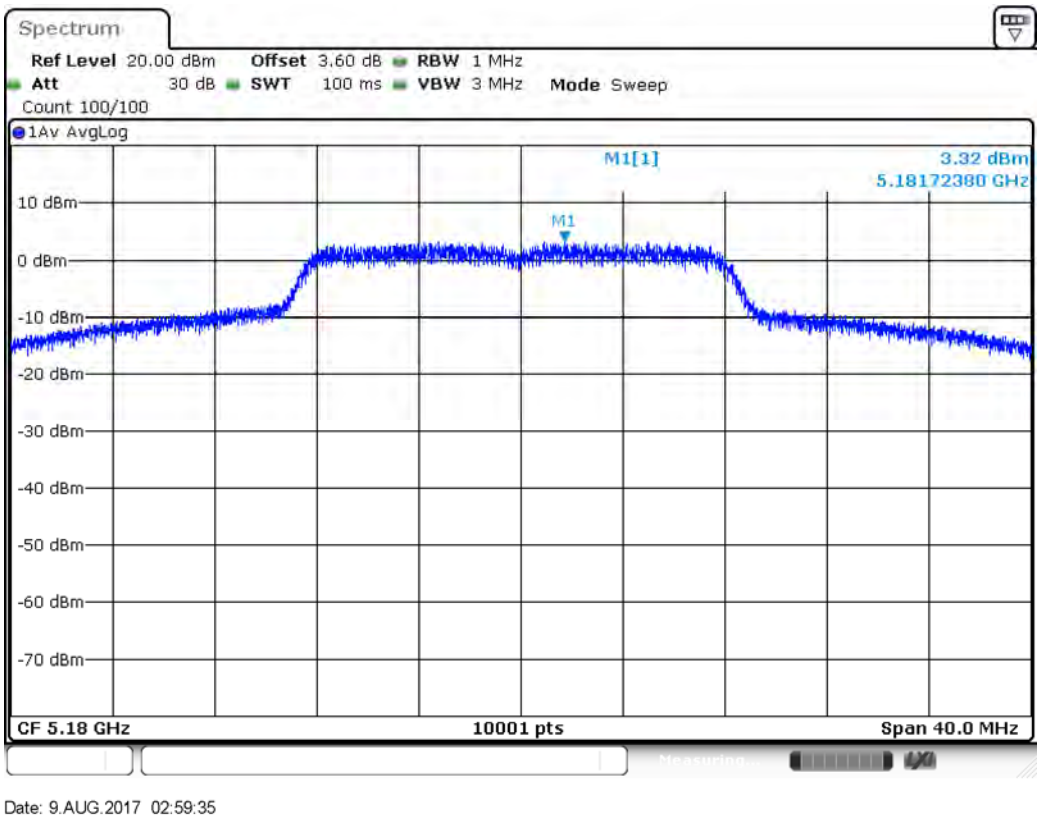
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	3.320	≦11.99	Pass
44	5220	8.050	≦11.99	Pass
48	5240	6.720	≦11.99	Pass

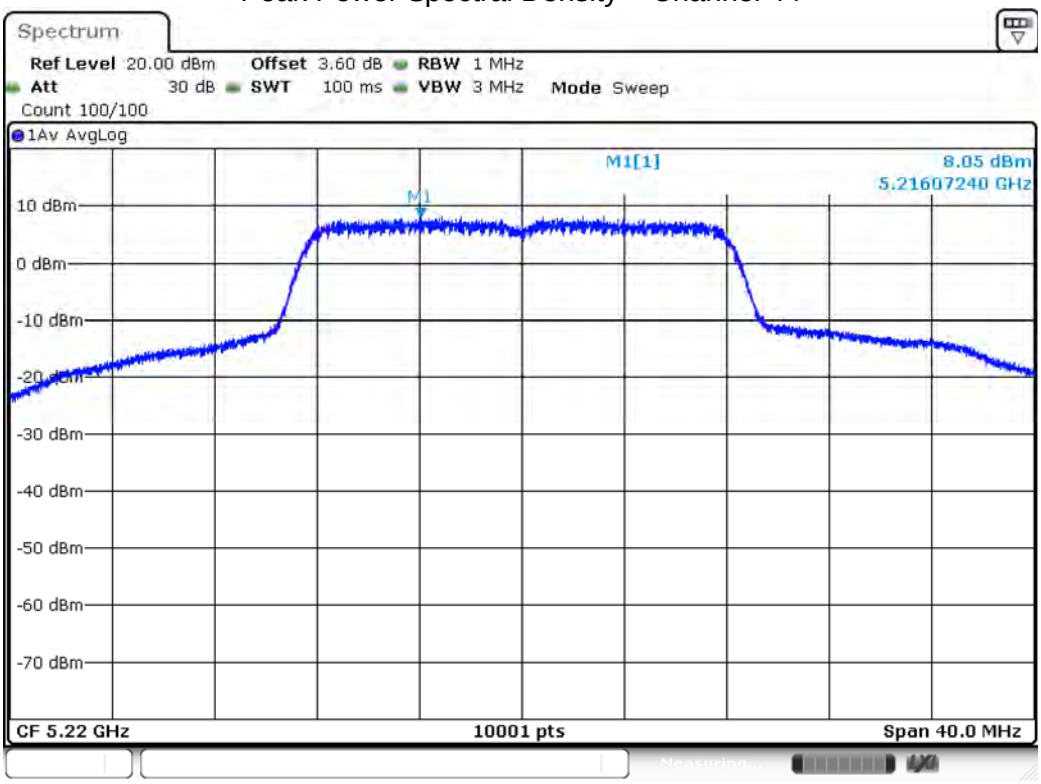
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak Power Spectral Density – Channel 36

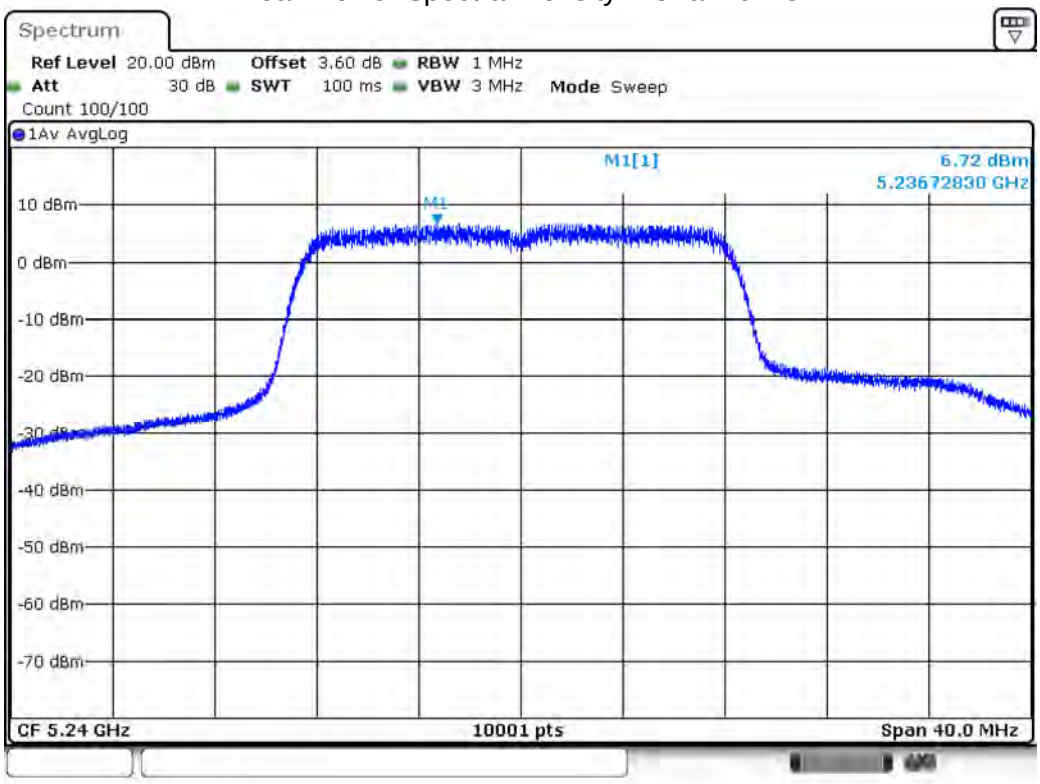


Peak Power Spectral Density – Channel 44



Date: 9.AUG.2017 03:01:58

Peak Power Spectral Density – Channel 48



Date: 9.AUG.2017 03:03:02

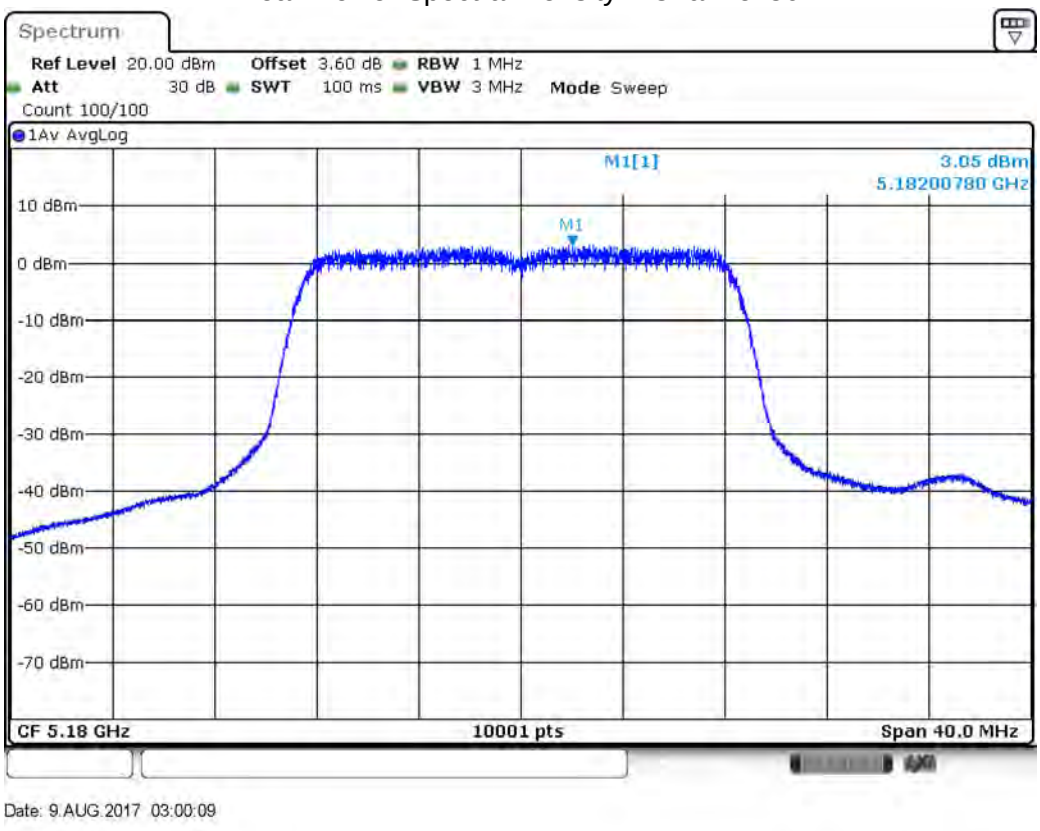
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	3.050	≦11.99	Pass
44	5220	7.990	≦11.99	Pass
48	5240	6.240	≦11.99	Pass

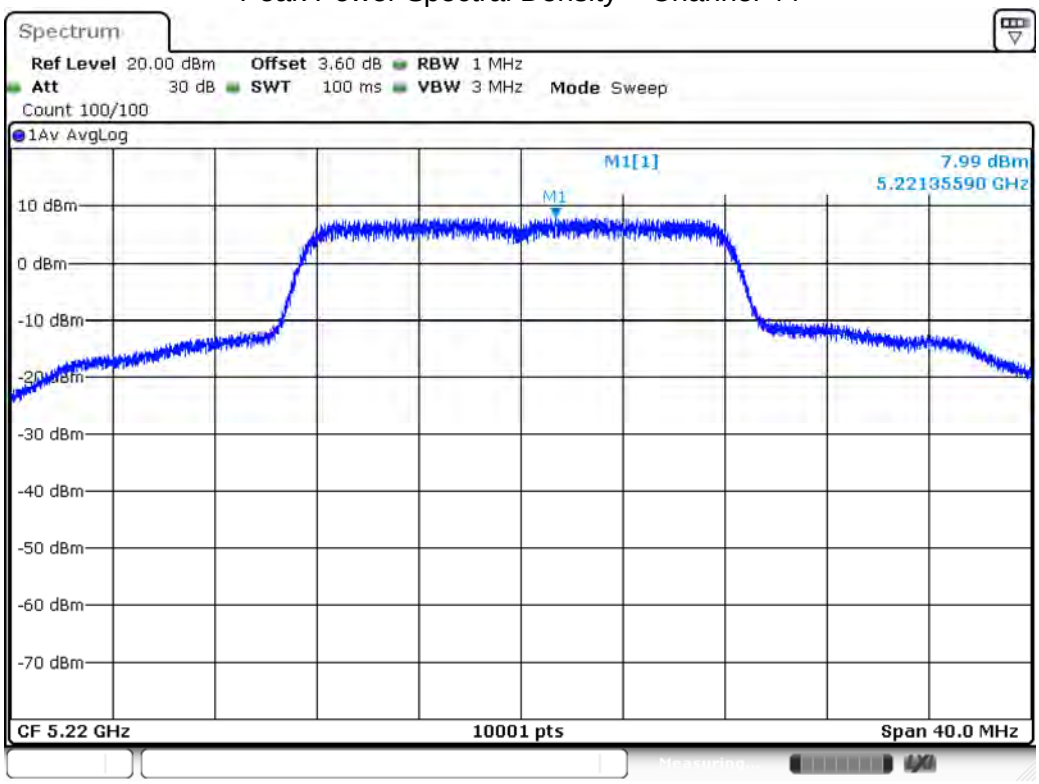
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak Power Spectral Density – Channel 36

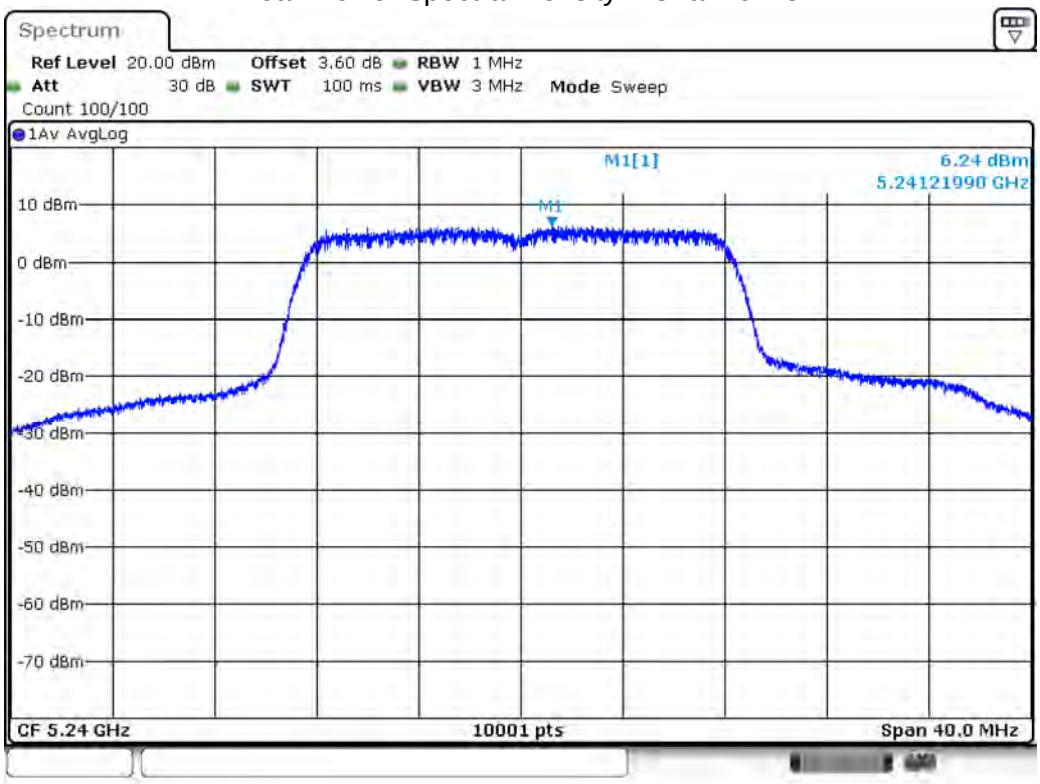


Peak Power Spectral Density – Channel 44



Date: 9.AUG.2017 03:00:54

Peak Power Spectral Density – Channel 48



Date: 9.AUG.2017 03:03:40

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	6.197	≦11.99	Pass
44	5220	11.030	≦11.99	Pass
48	5240	9.497	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

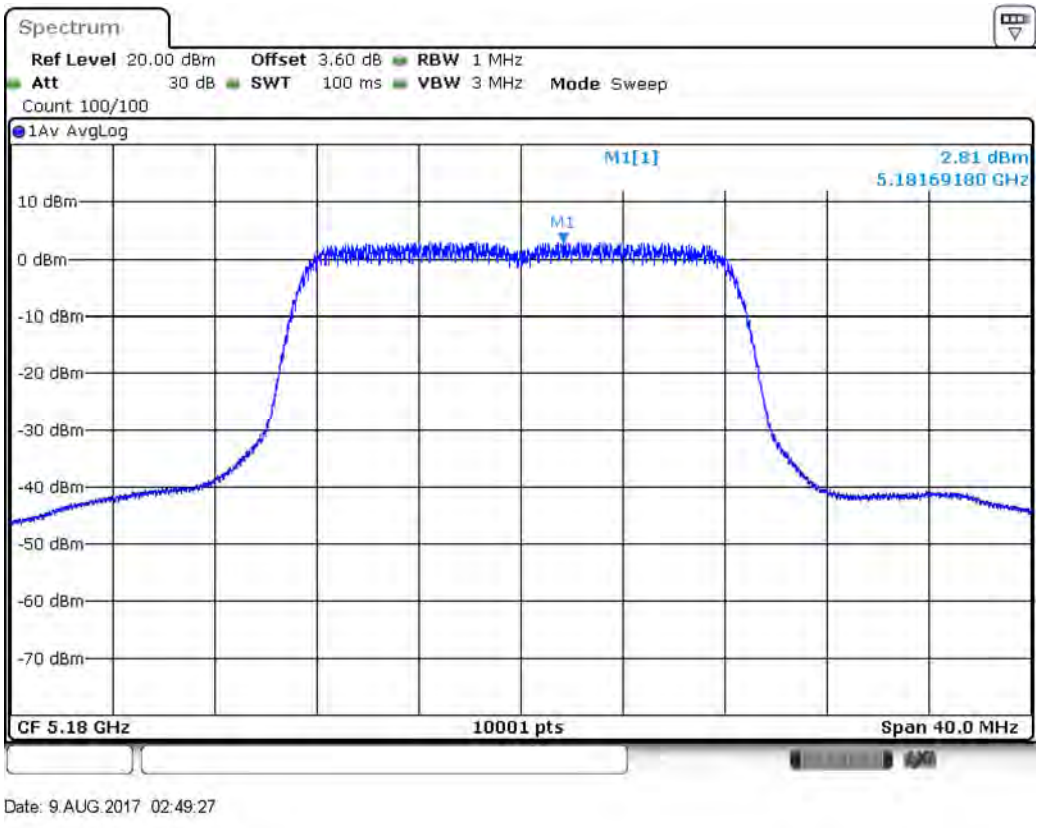
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	2.810	≦11.99	Pass
44	5220	8.880	≦11.99	Pass
48	5240	6.390	≦11.99	Pass

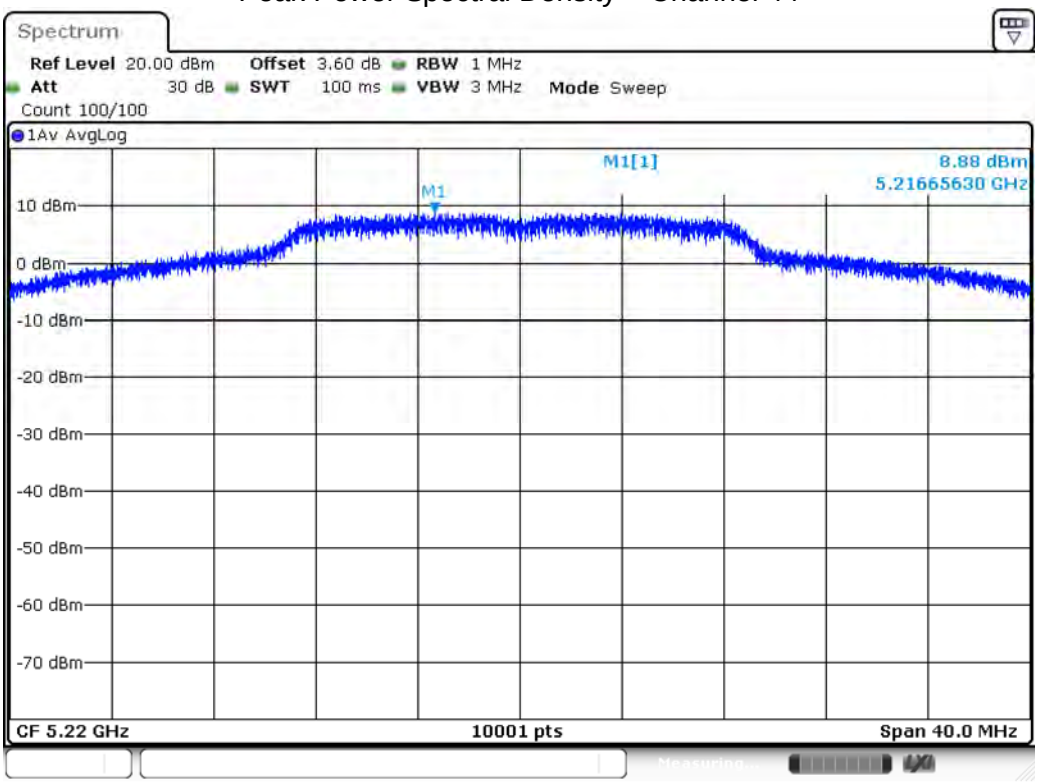
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak Power Spectral Density – Channel 36

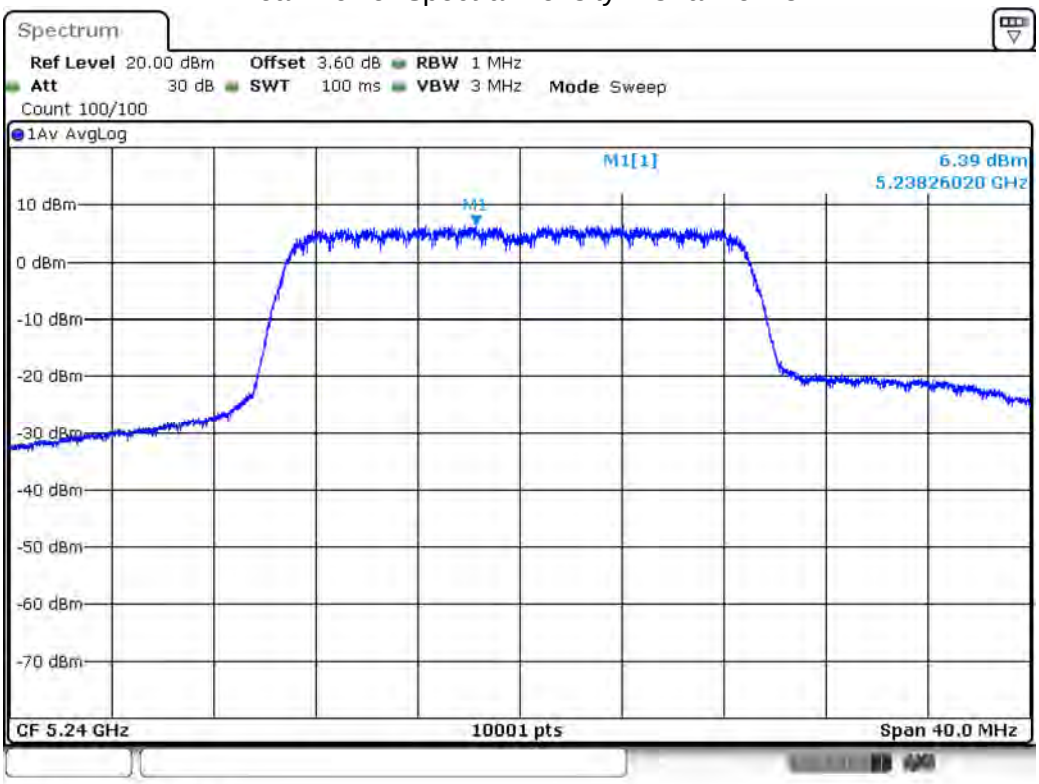


Peak Power Spectral Density – Channel 44



Date: 9.AUG.2017 02:52:24

Peak Power Spectral Density – Channel 48



Date: 9.AUG.2017 02:53:46

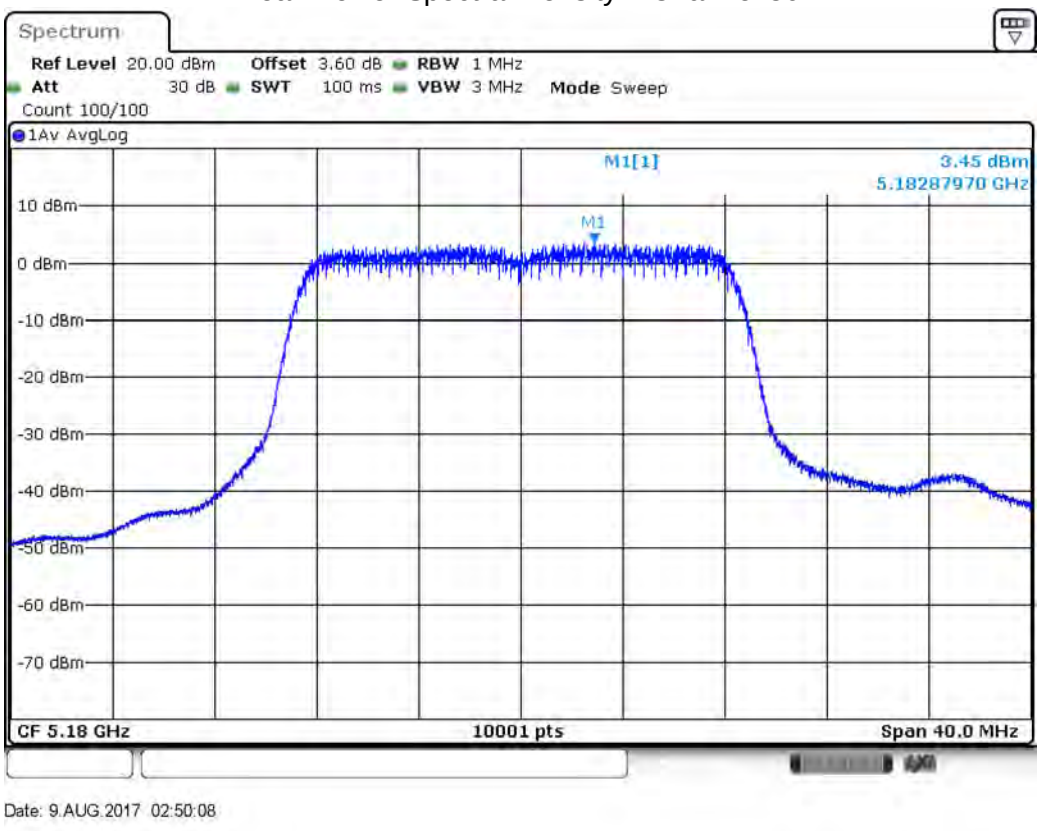
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	3.450	≦11.99	Pass
44	5220	8.130	≦11.99	Pass
48	5240	6.550	≦11.99	Pass

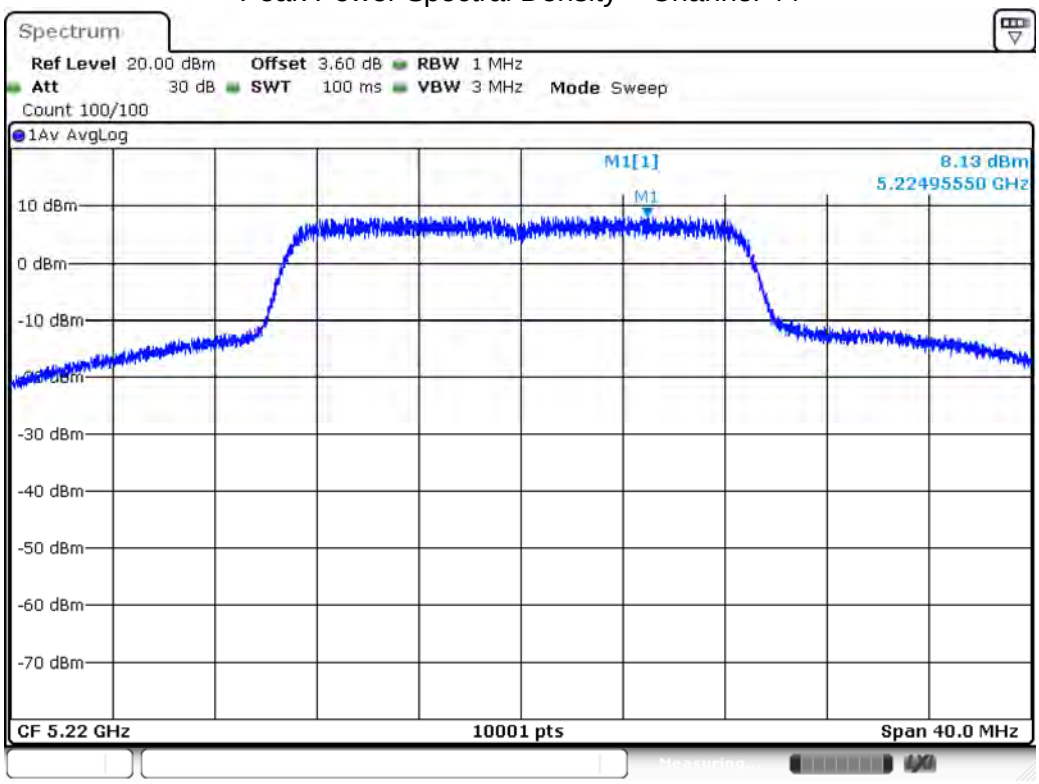
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak Power Spectral Density – Channel 36

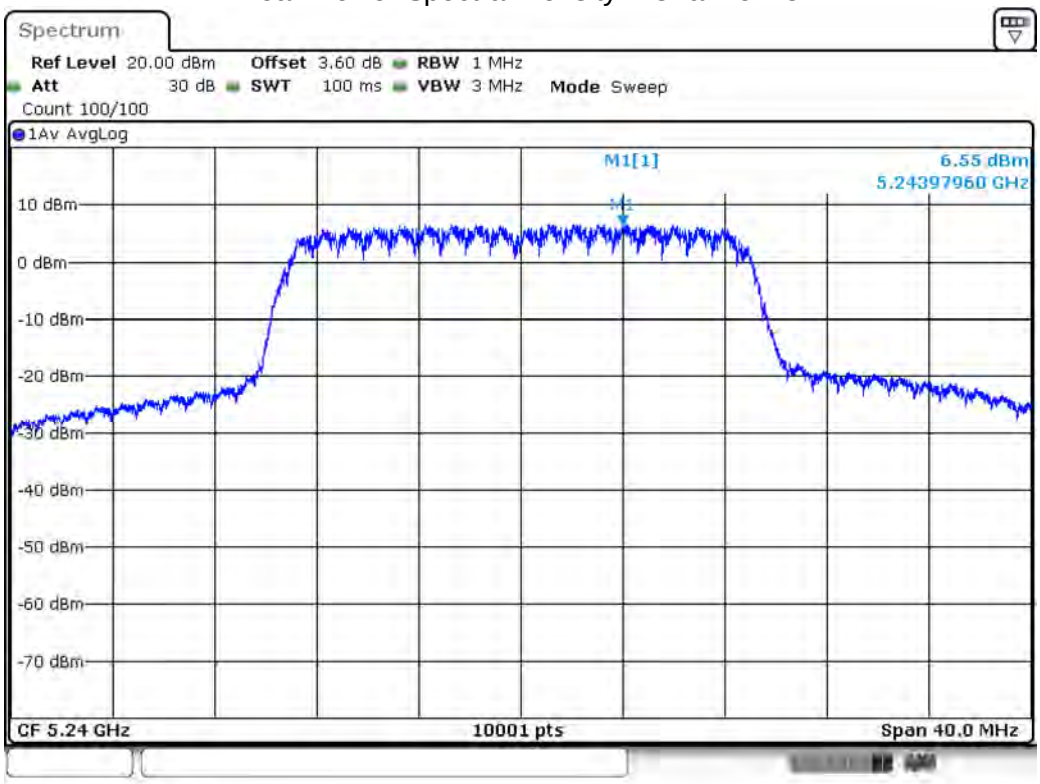


Peak Power Spectral Density – Channel 44



Date: 9.AUG.2017 02:51:52

Peak Power Spectral Density – Channel 48



Date: 9.AUG.2017 02:54:31

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	6.152	≦11.99	Pass
44	5220	11.531	≦11.99	Pass
48	5240	9.481	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

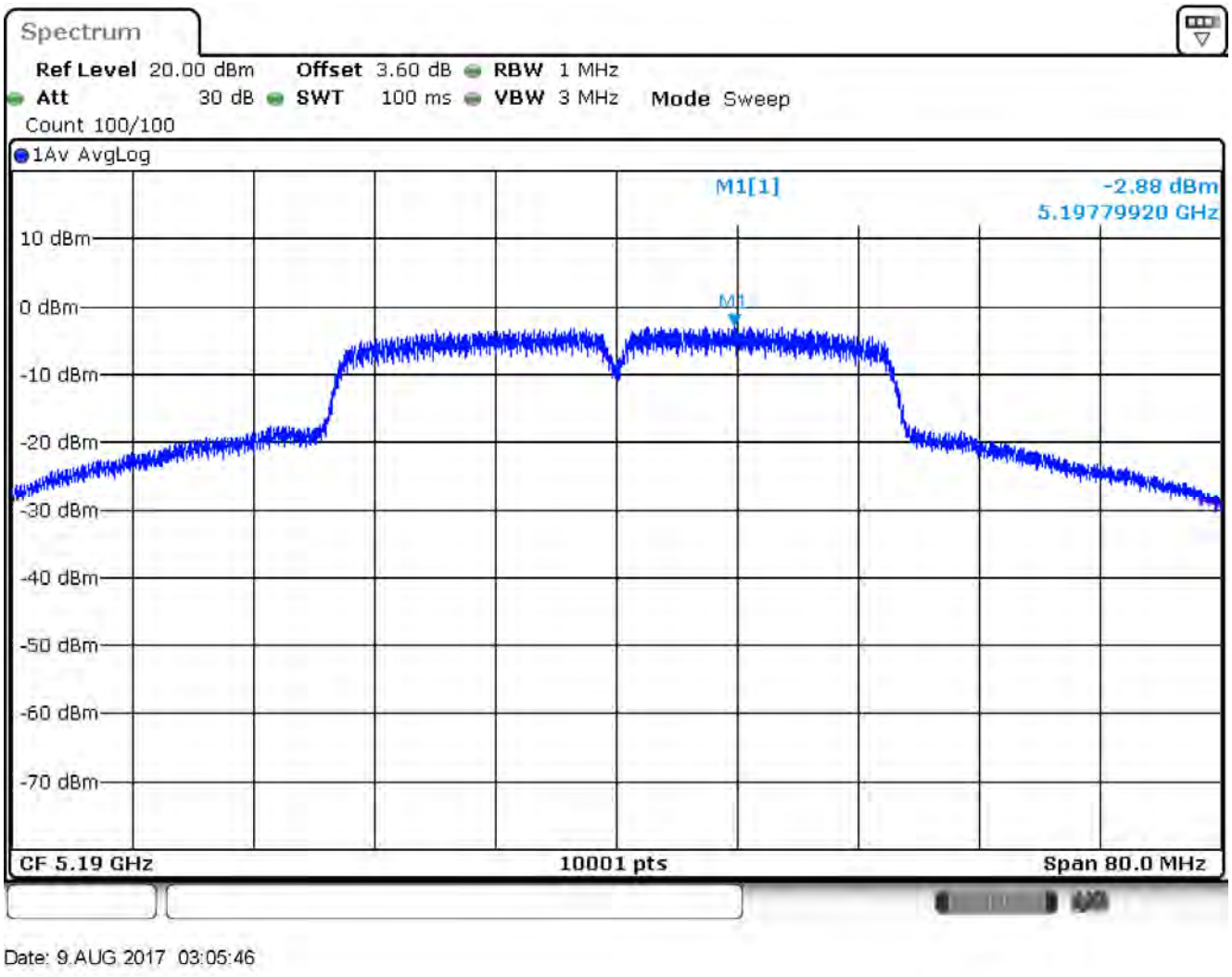
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(40MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	-2.880	≦11.99	Pass
46	5230	2.660	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

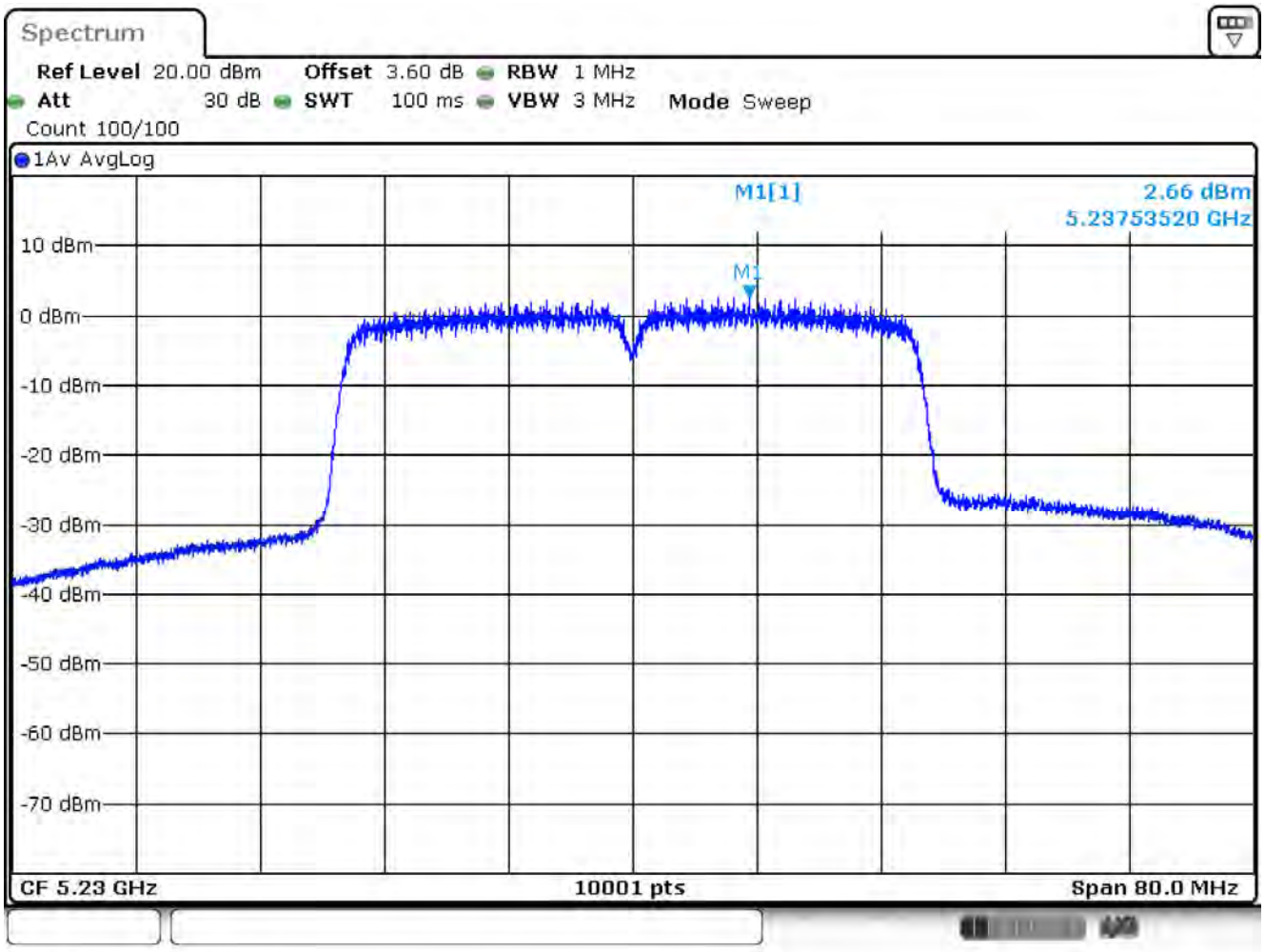
Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak transmit Power - Channel 38



Date: 9.AUG.2017 03:05:46

Peak transmit Power - Channel 46



Date: 9.AUG.2017 03:06:55

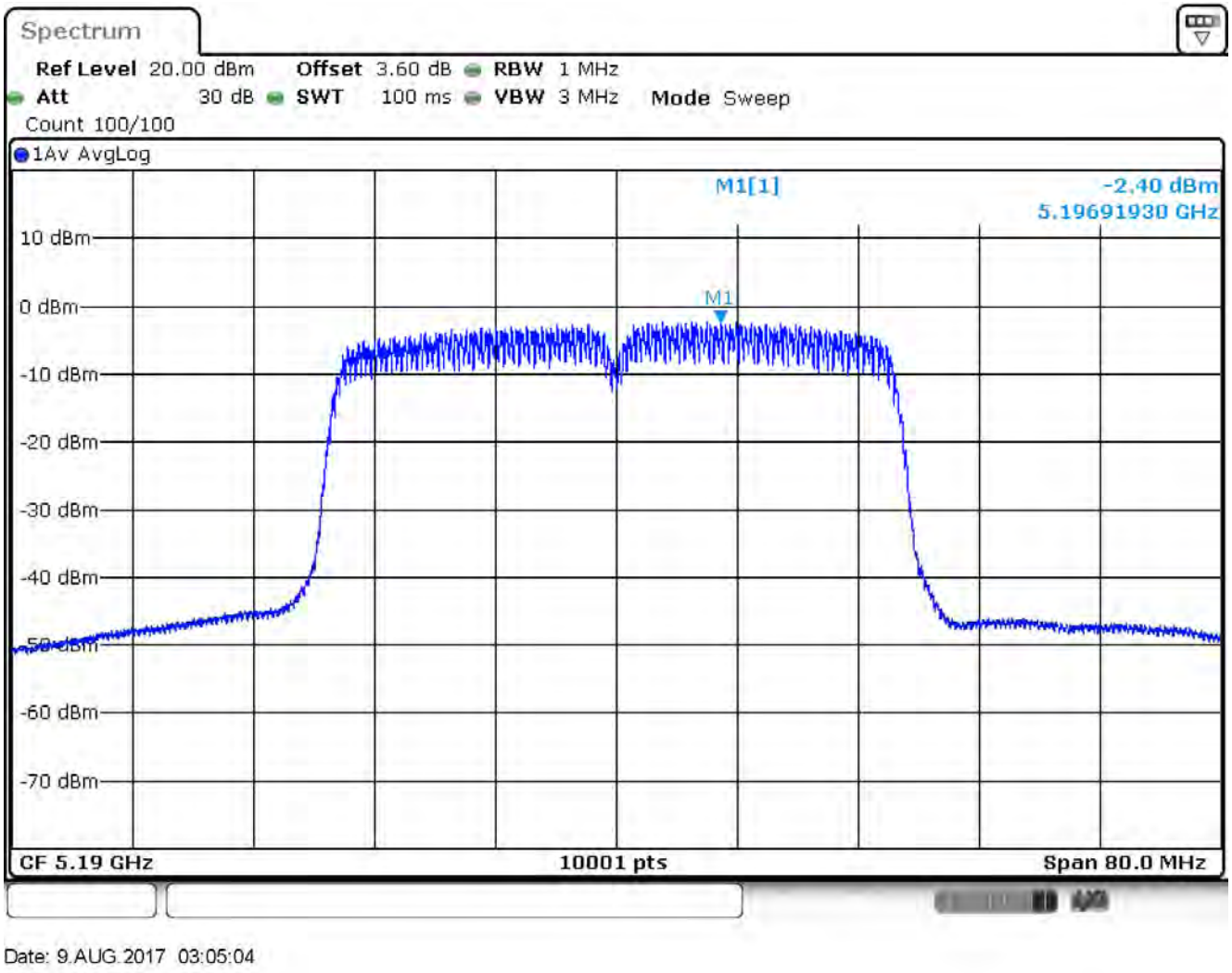
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	-2.400	≦11.99	Pass
46	5230	1.710	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

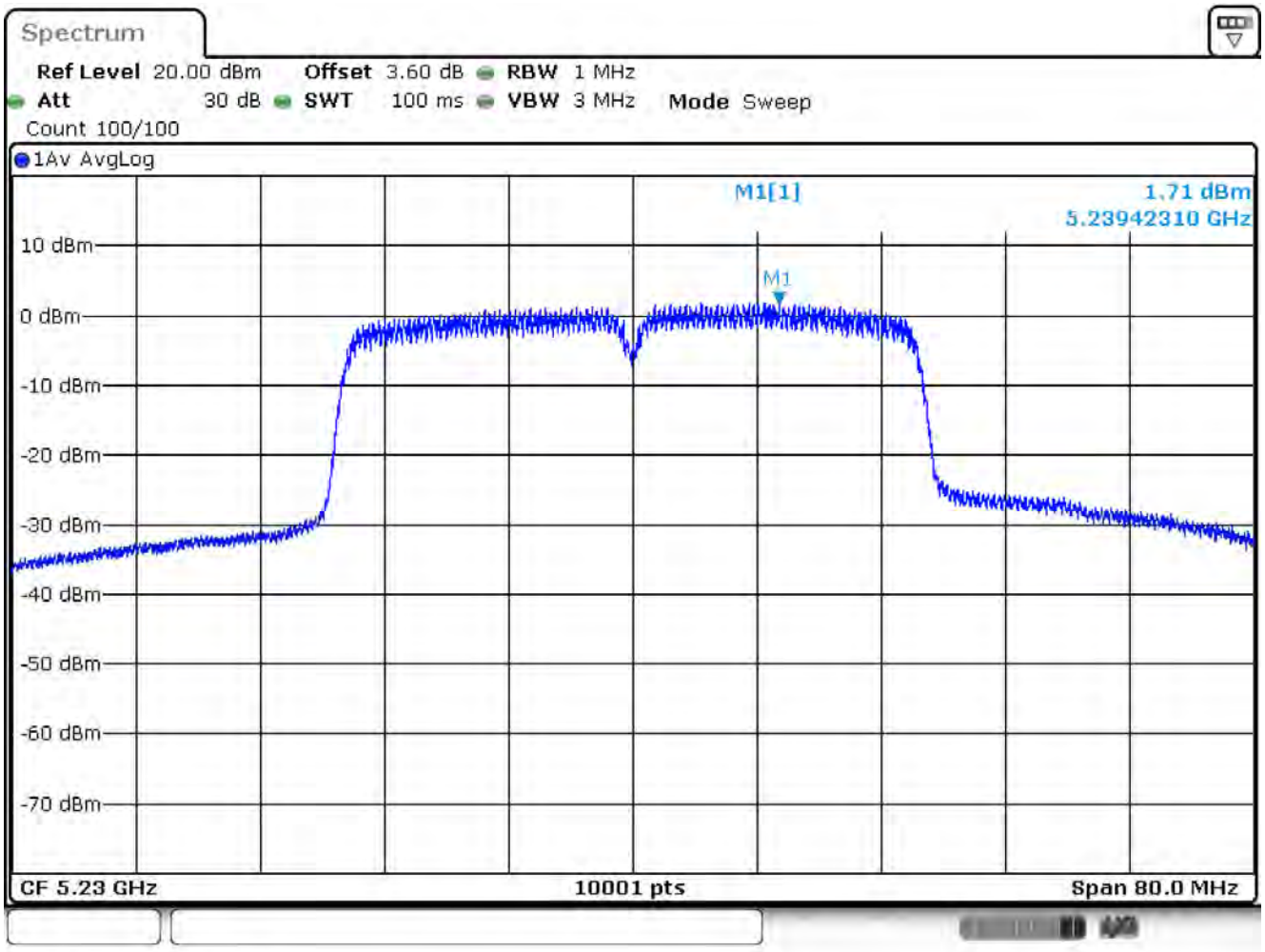
Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak transmit Power - Channel 38



Date: 9.AUG.2017 03:05:04

Peak transmit Power - Channel 46



Date: 9.AUG.2017 03:07:36

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(40MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	0.377	≦11.99	Pass
46	5230	5.221	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

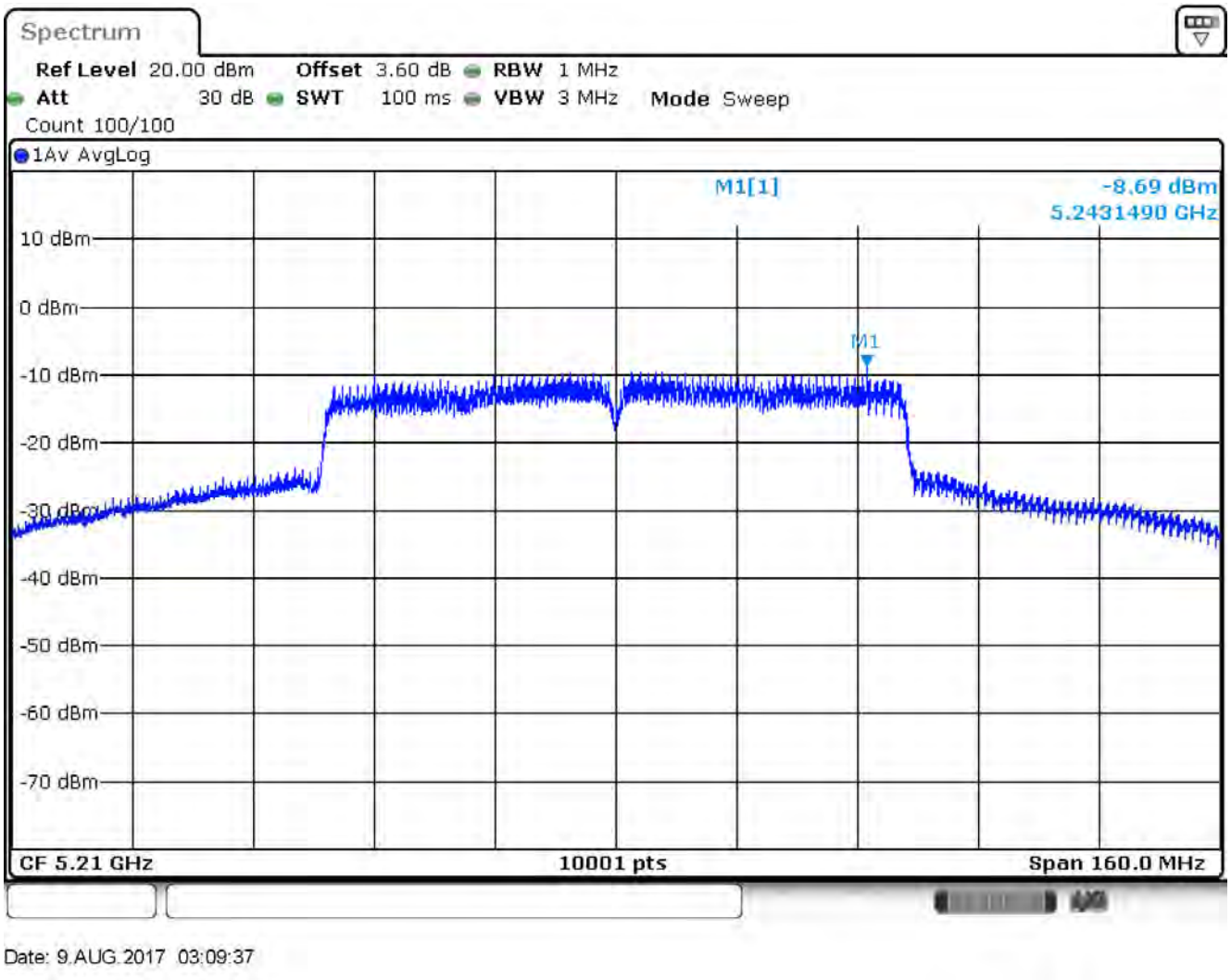
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	-8.690	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak transmit Power - Channel 42



Date: 9.AUG.2017 03:09:37

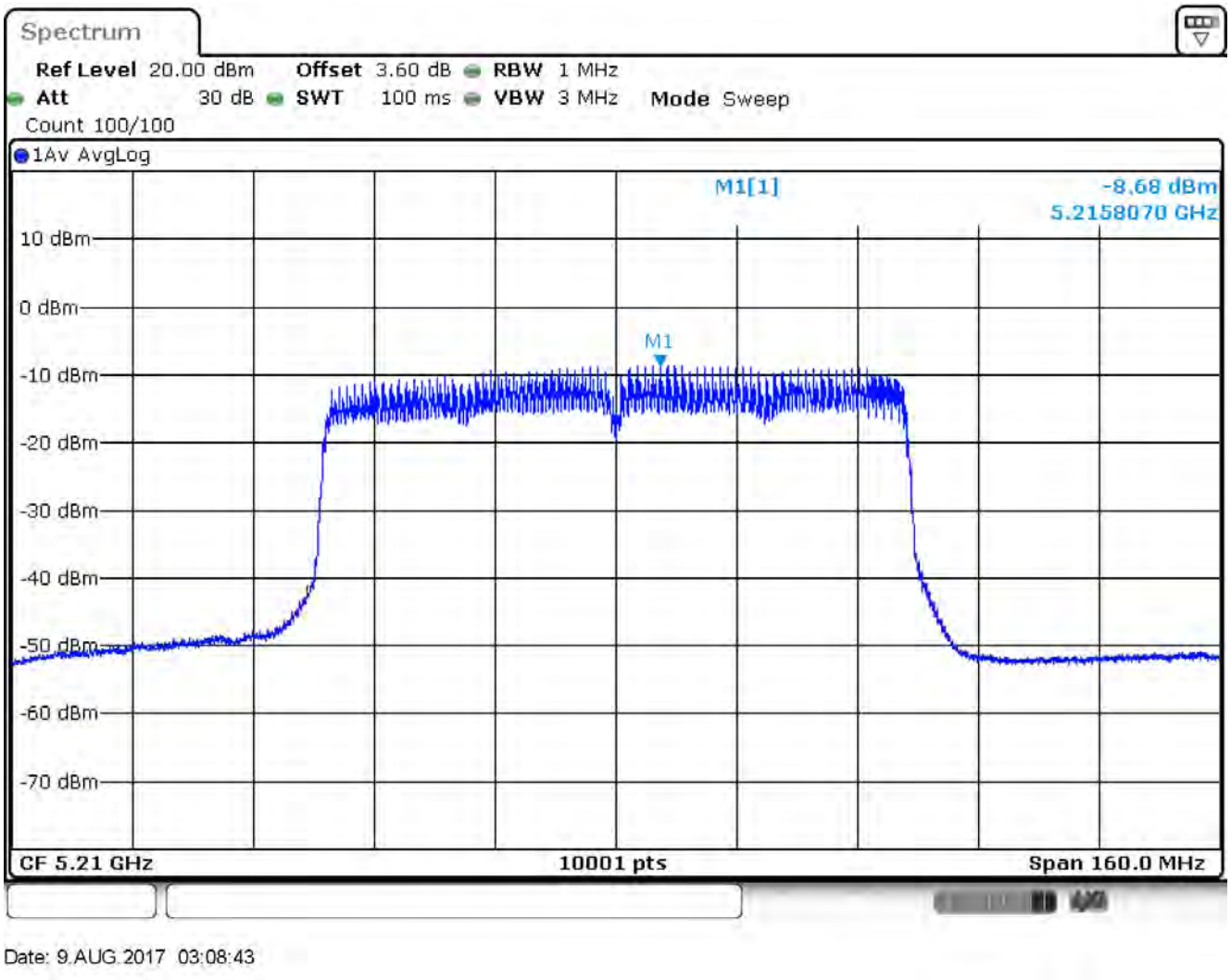
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	-8.680	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

Peak transmit Power - Channel 42



Date: 9.AUG.2017 03:08:43

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	-5.675	≦11.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =17dBm-(11.01dBi-6dBi)=11.99Bm

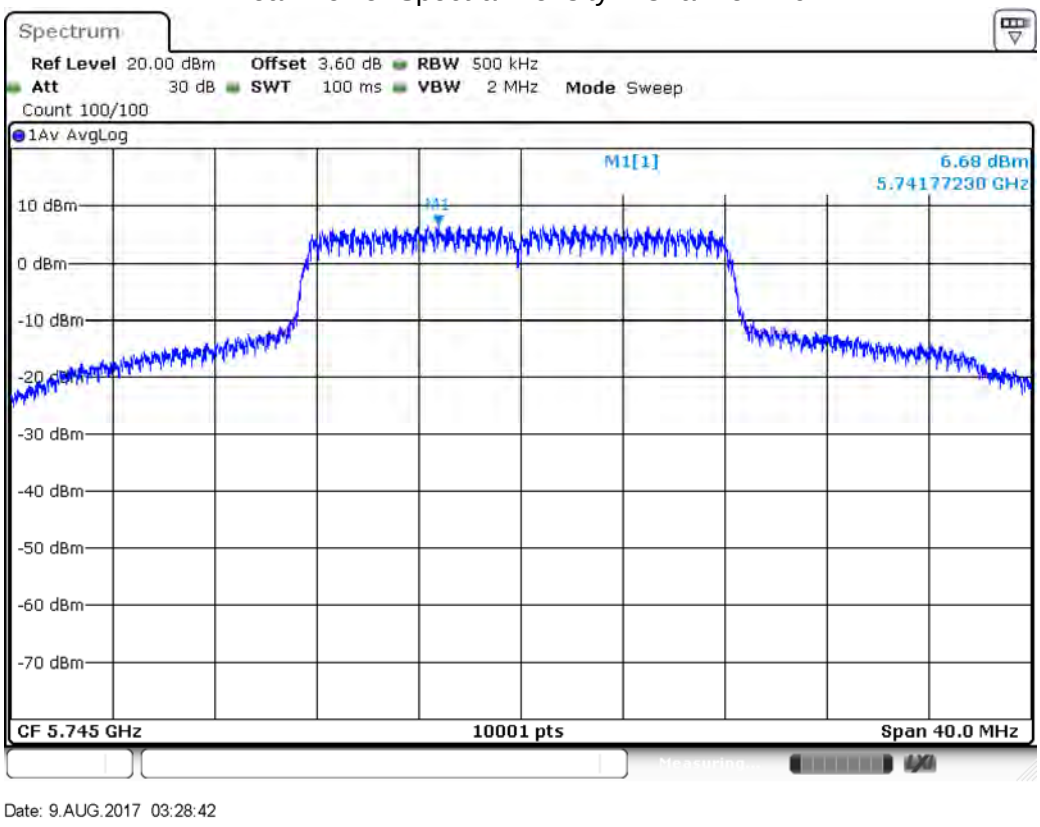
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	6.680	≤24.99	Pass
157	5785	6.150	≤24.99	Pass
165	5825	5.980	≤24.99	Pass

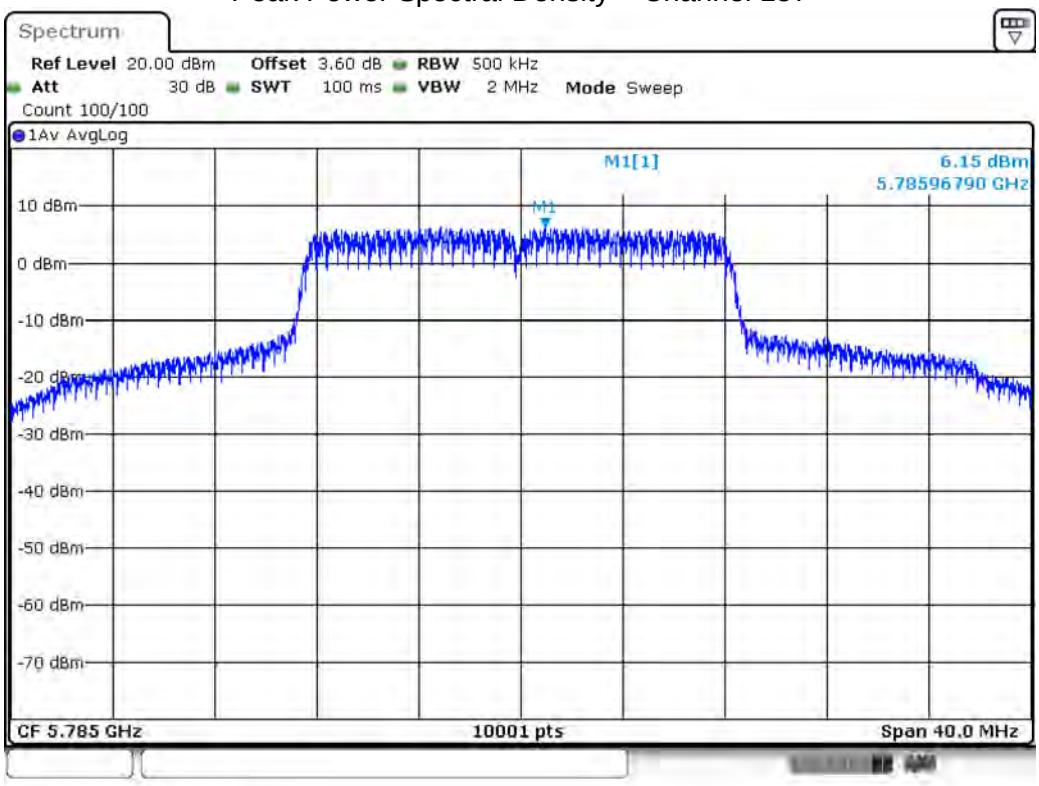
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak Power Spectral Density – Channel 149

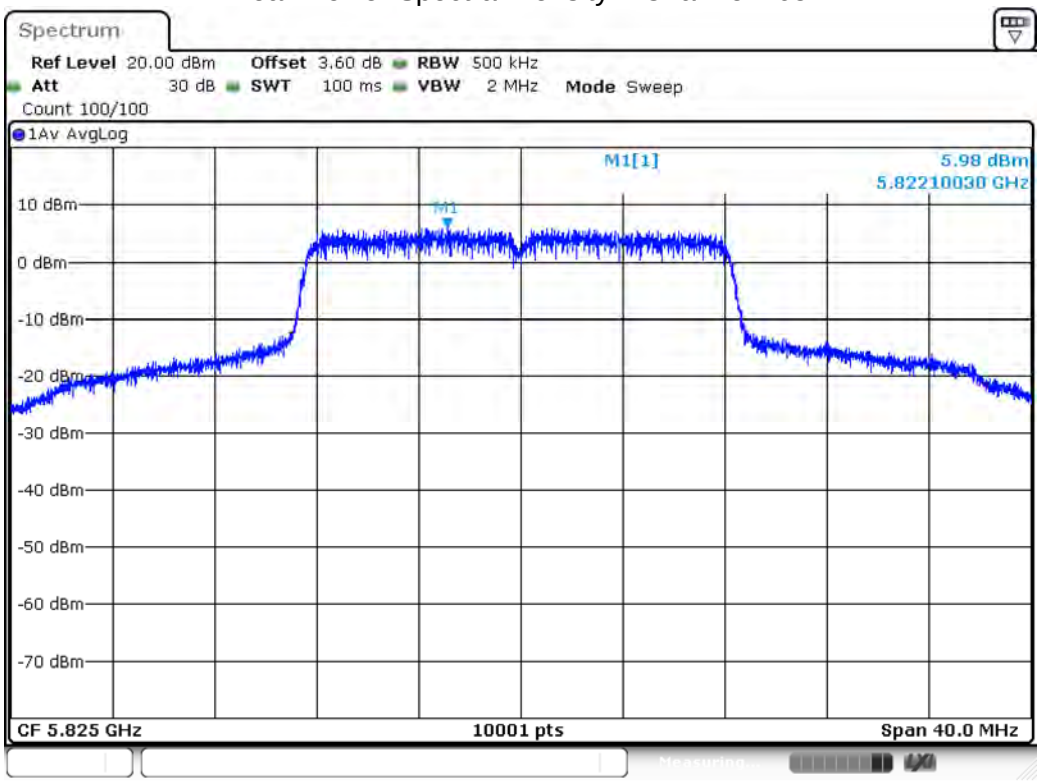


Peak Power Spectral Density – Channel 157



Date: 9.AUG.2017 03:30:33

Peak Power Spectral Density – Channel 165



Date: 9.AUG.2017 03:31:49

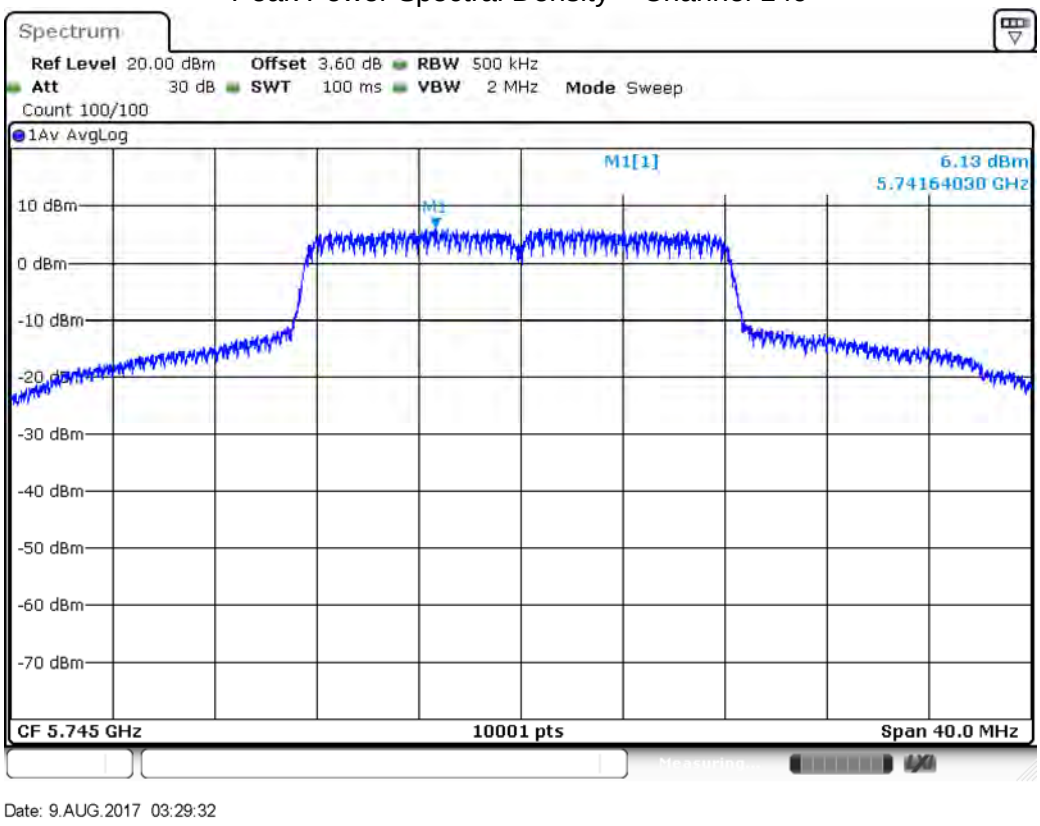
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	6.130	≤24.99	Pass
157	5785	5.660	≤24.99	Pass
165	5825	5.980	≤24.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

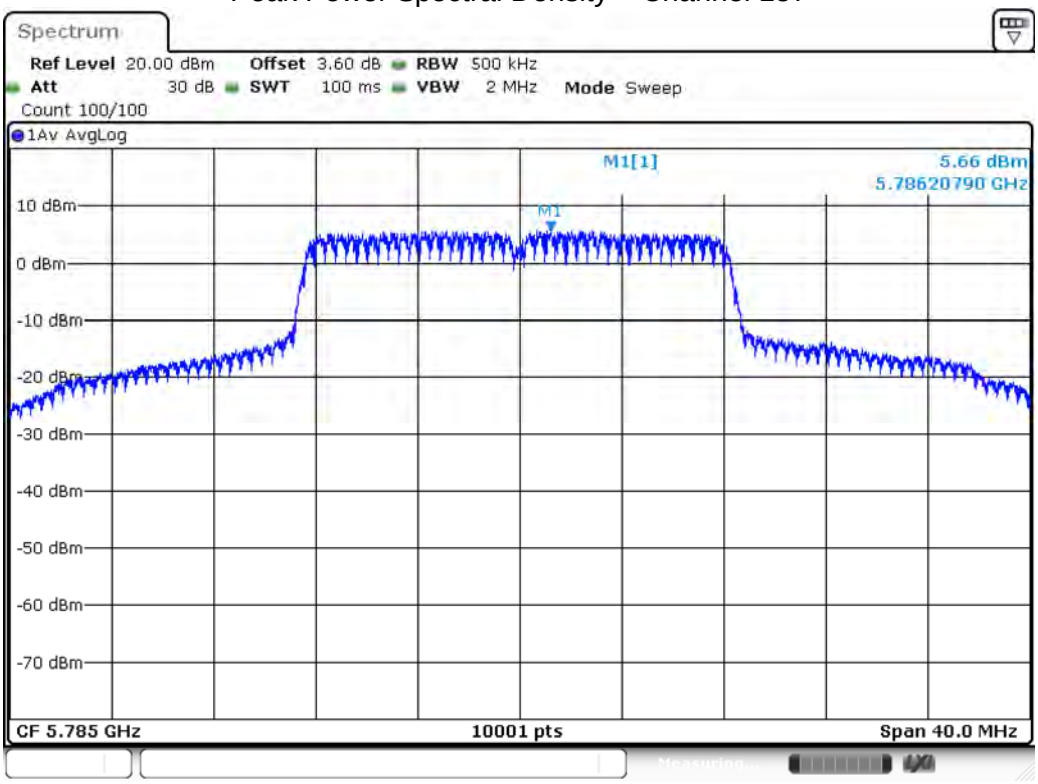
Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak Power Spectral Density – Channel 149



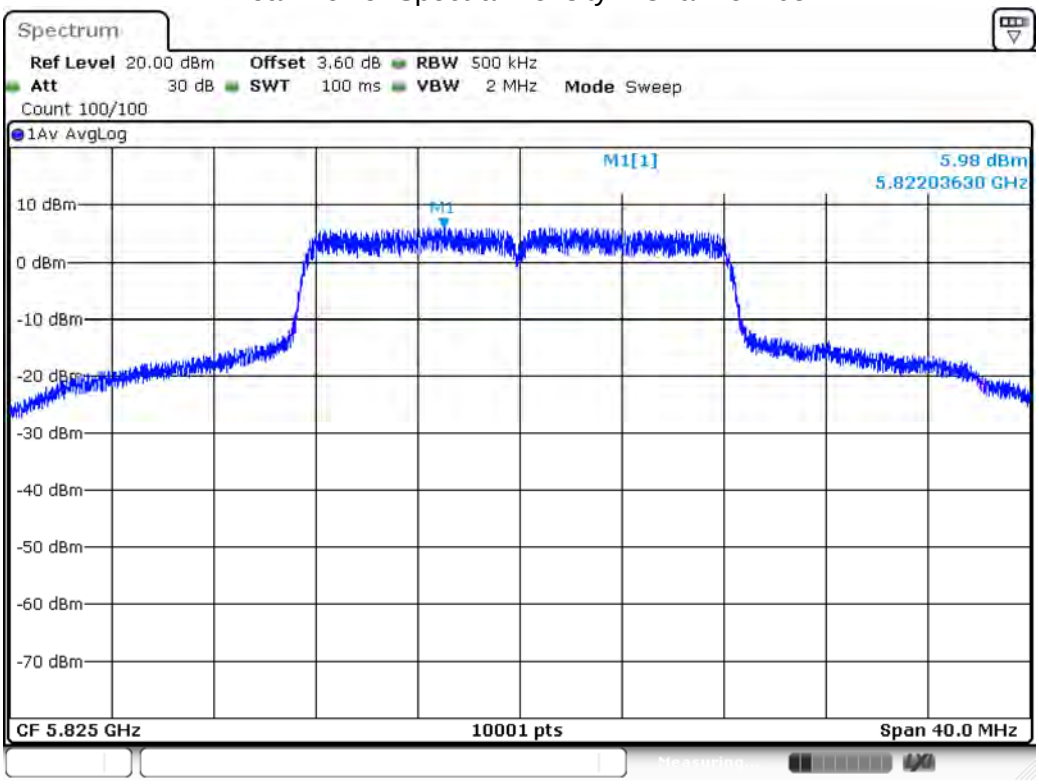
Date: 9.AUG.2017 03:29:32

Peak Power Spectral Density – Channel 157



Date: 9.AUG.2017 03:31:17

Peak Power Spectral Density – Channel 165



Date: 9.AUG.2017 03:32:14

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx_CDD Mode (802.11 a)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11a (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	9.424	≤24.99	Pass
157	5785	8.922	≤24.99	Pass
165	5825	8.990	≤24.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

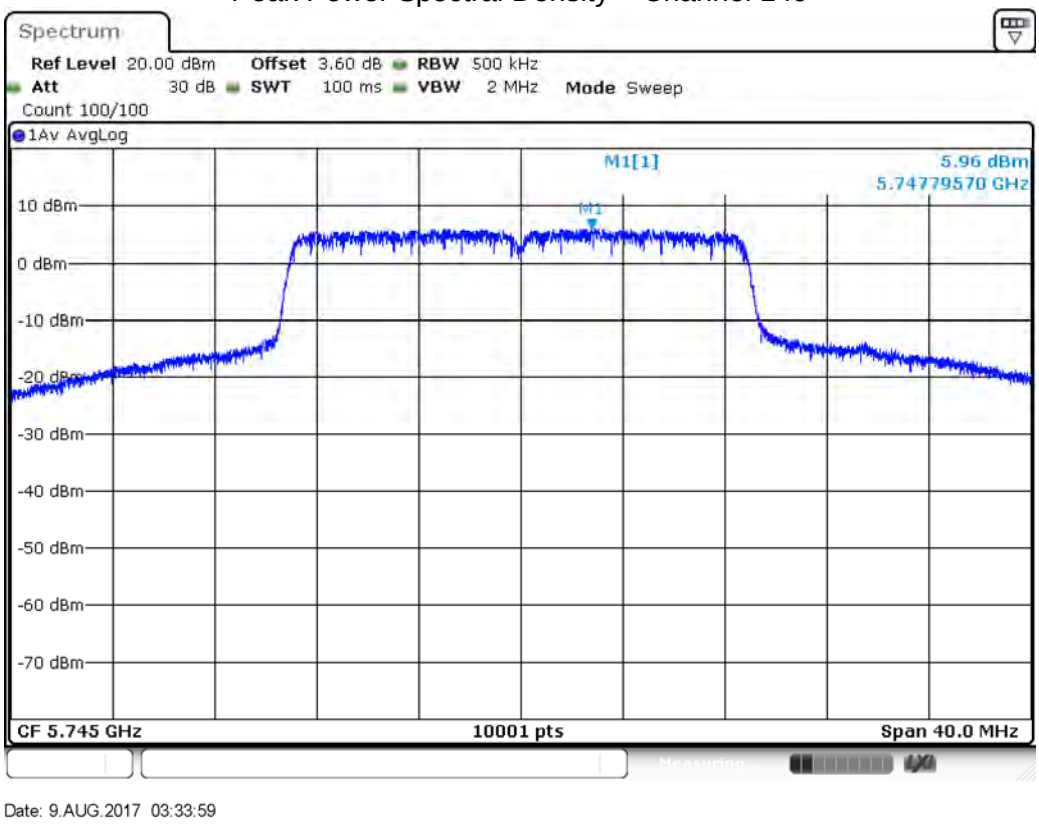
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	5.960	≤24.99	Pass
157	5785	5.510	≤24.99	Pass
165	5825	5.340	≤24.99	Pass

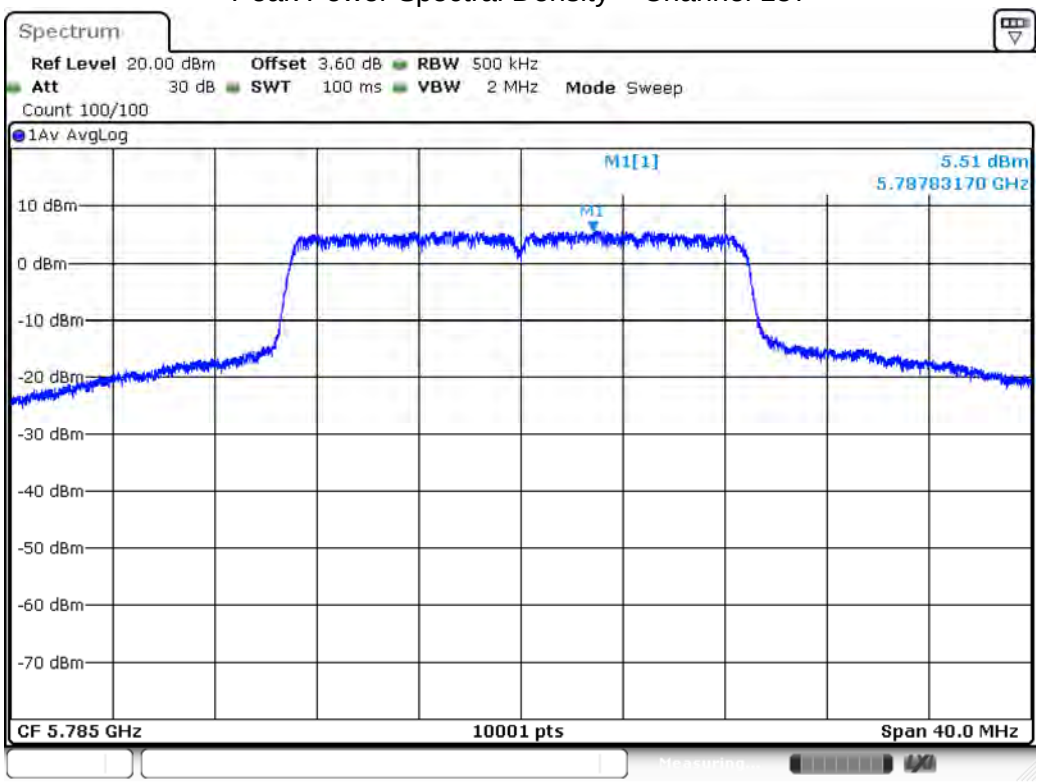
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak Power Spectral Density – Channel 149

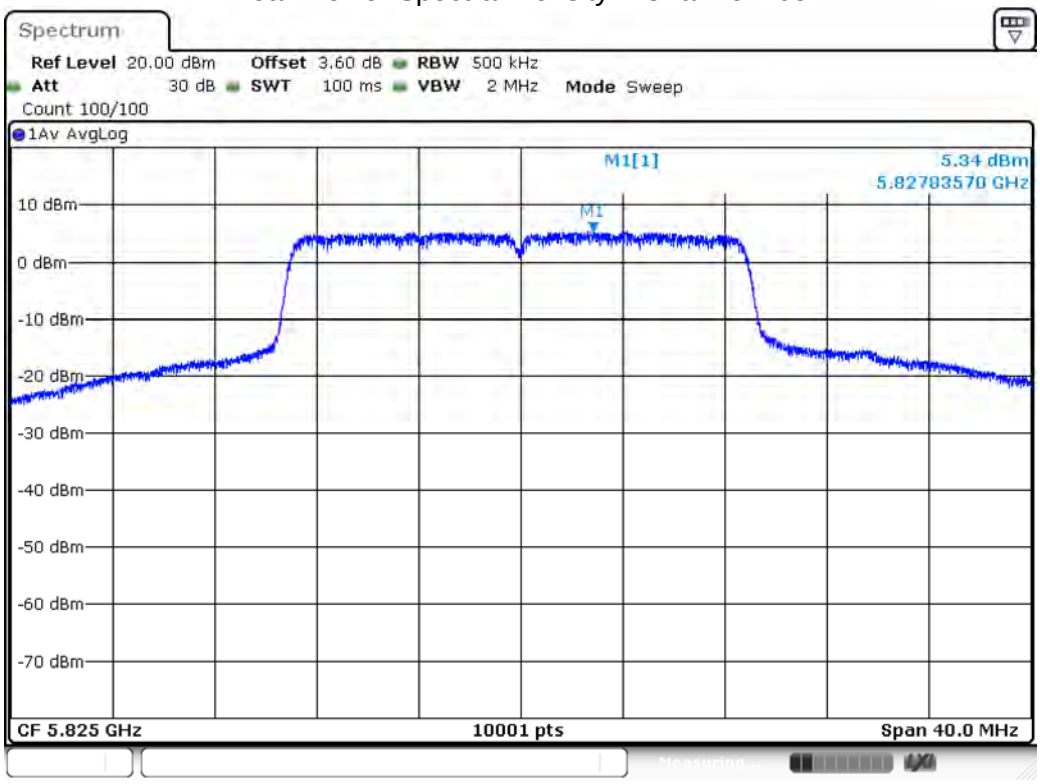


Peak Power Spectral Density – Channel 157



Date: 9.AUG.2017 03:35:18

Peak Power Spectral Density – Channel 165



Date: 9.AUG.2017 03:36:34

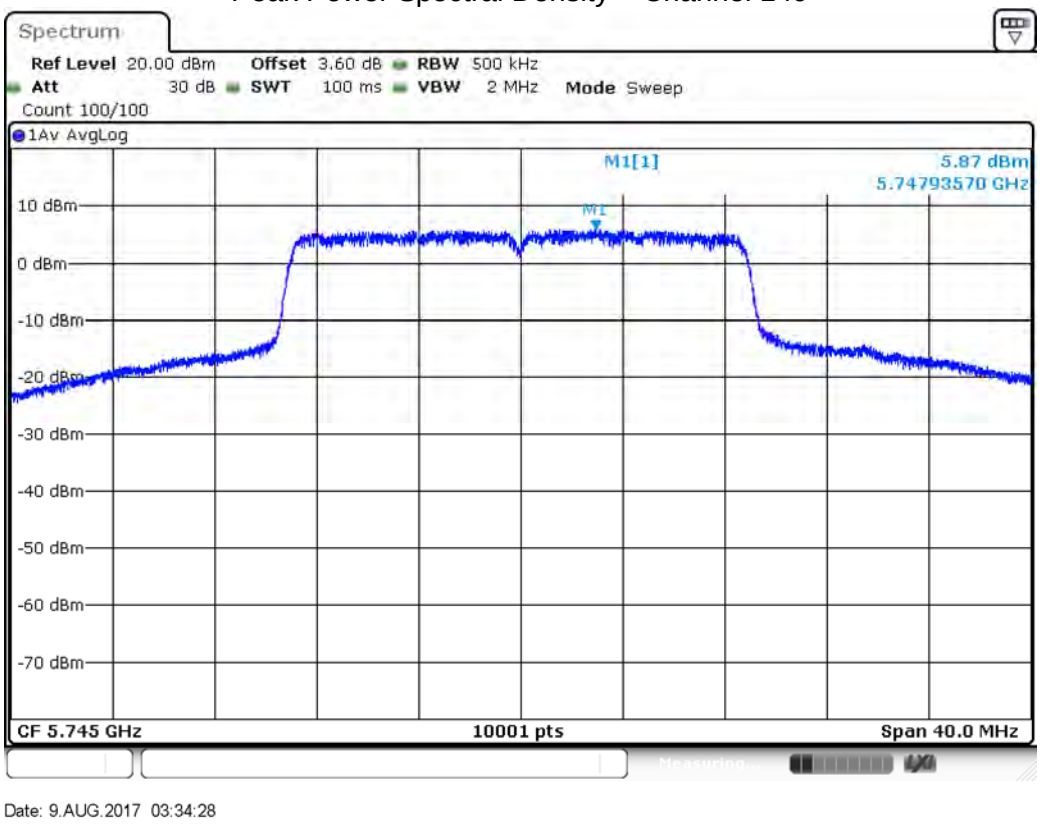
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	5.870	≤24.99	Pass
157	5785	5.560	≤24.99	Pass
165	5825	5.260	≤24.99	Pass

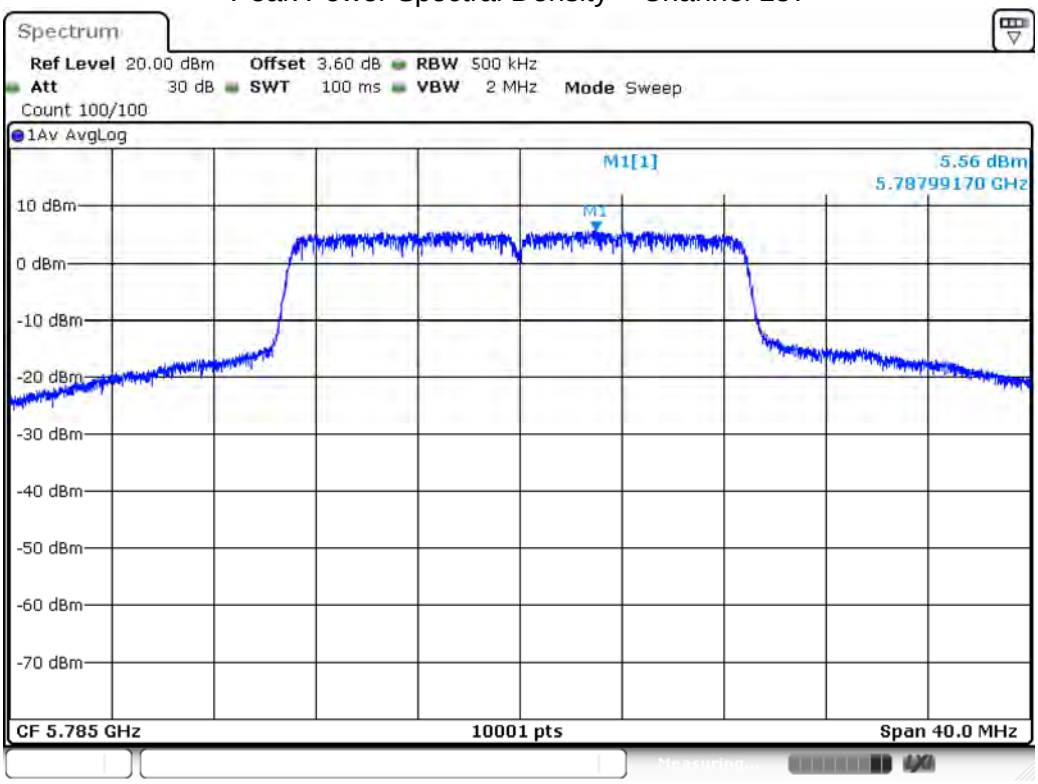
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak Power Spectral Density – Channel 149

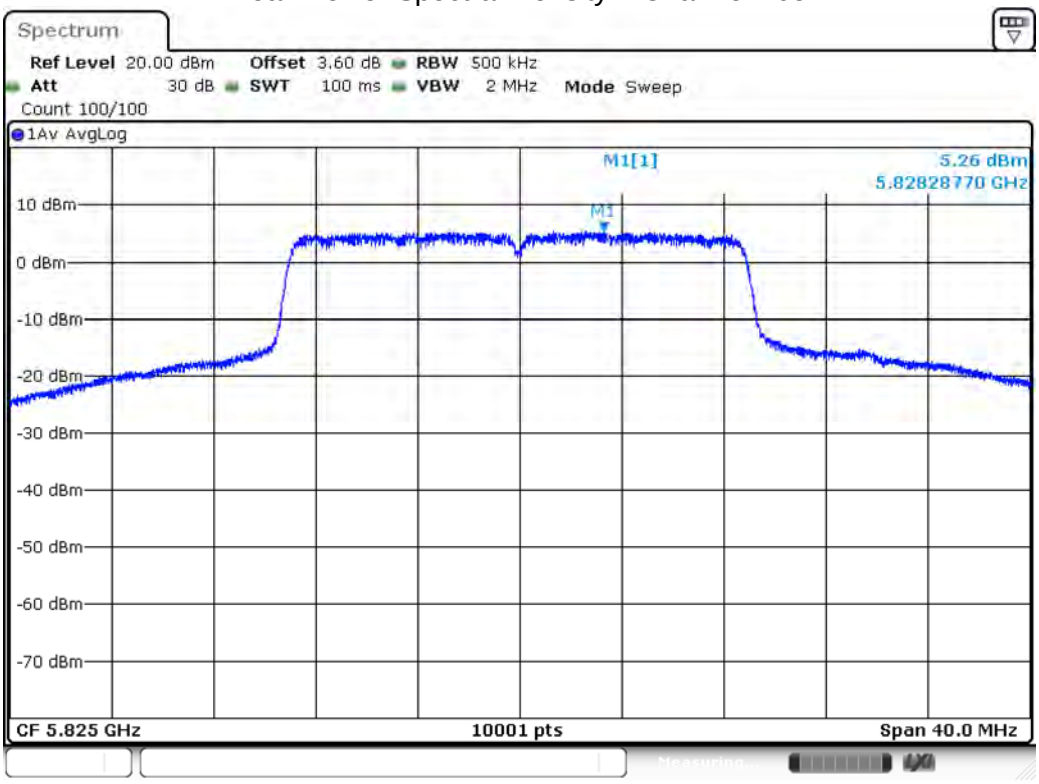


Peak Power Spectral Density – Channel 157



Date: 9.AUG.2017 03:35:38

Peak Power Spectral Density – Channel 165



Date: 9.AUG.2017 03:37:10

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(20MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	8.926	≤24.99	Pass
157	5785	8.545	≤24.99	Pass
165	5825	8.310	≤24.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

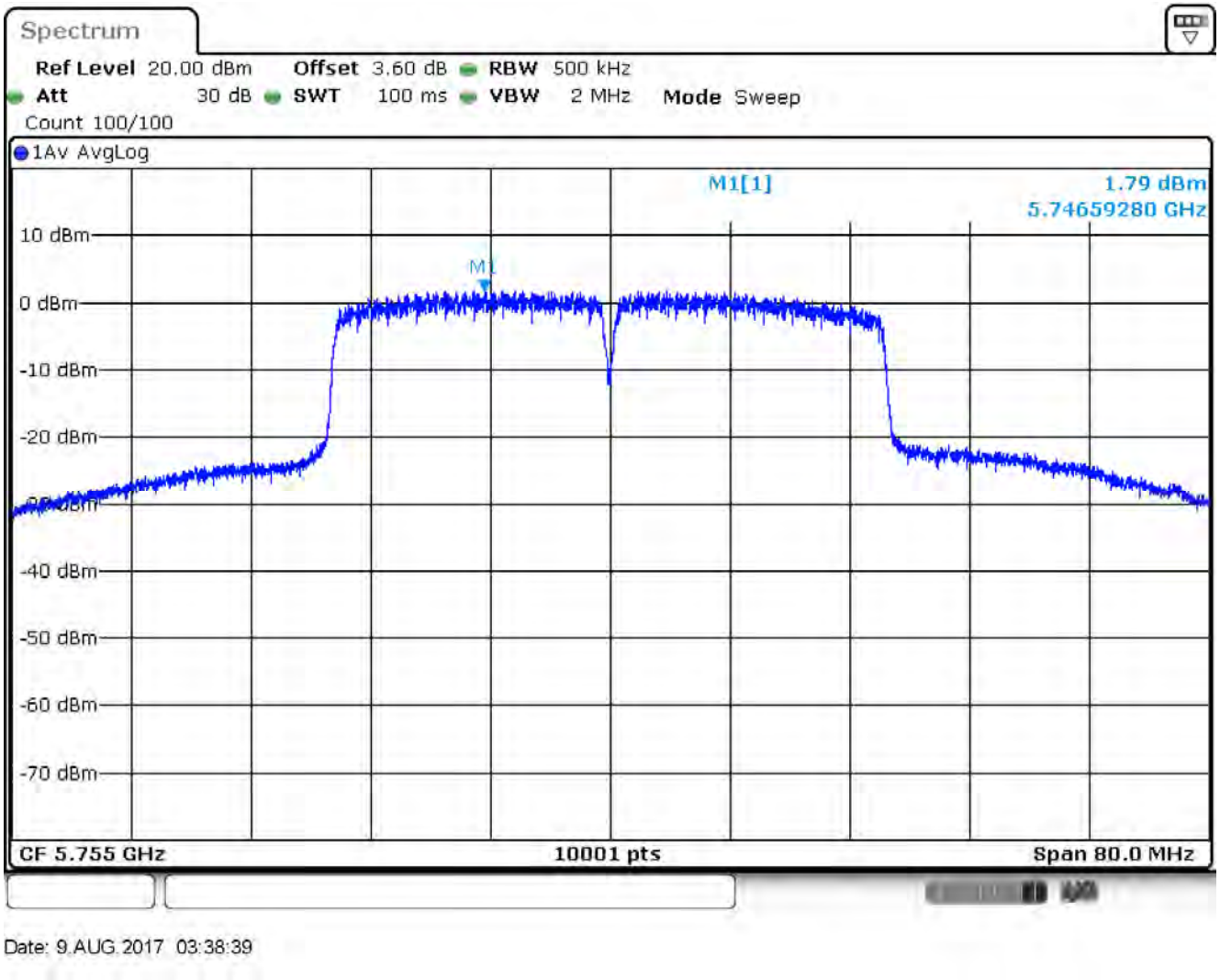
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	1.790	≤24.99	Pass
159	5795	2.490	≤24.99	Pass

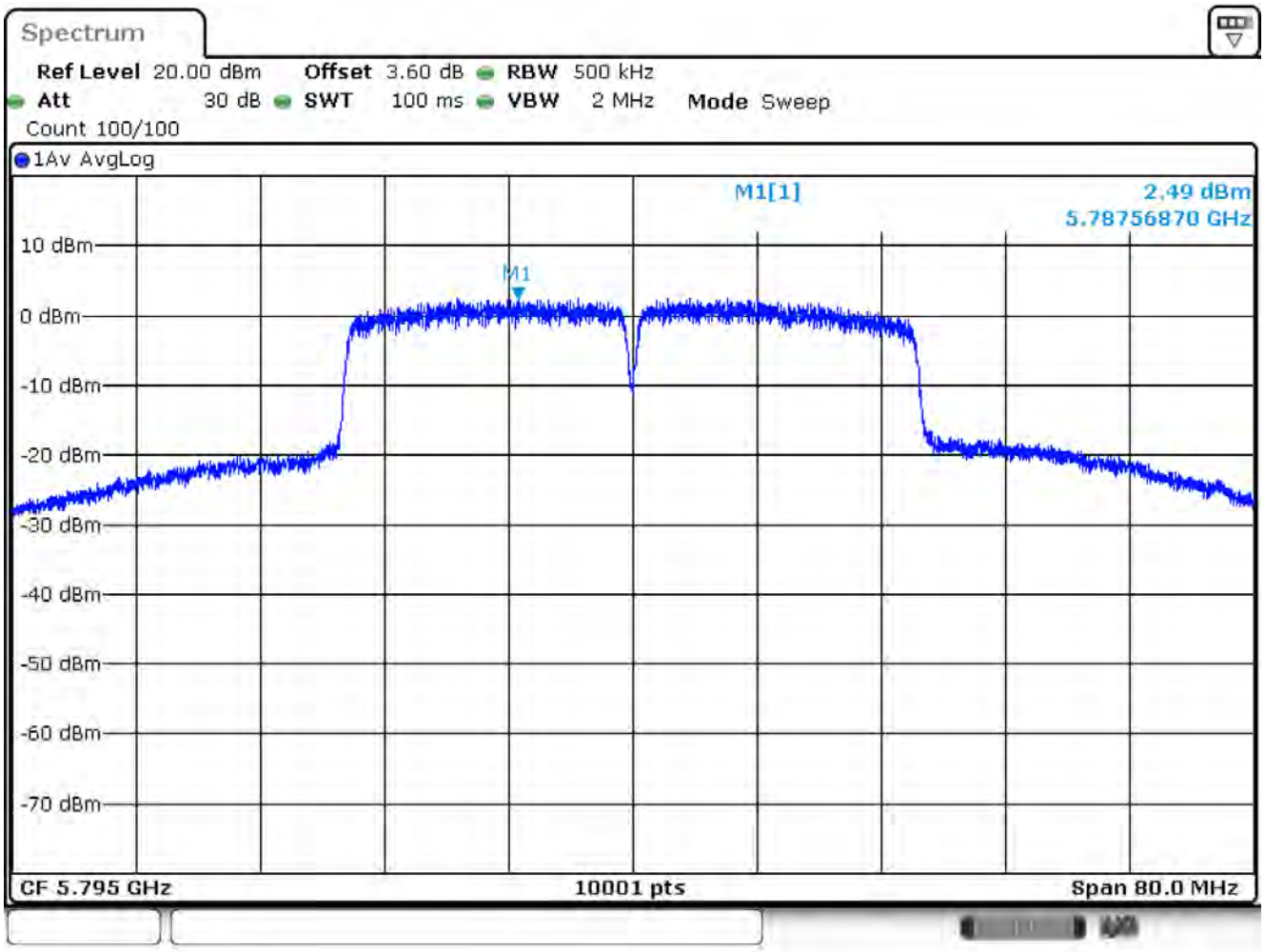
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak transmit Power - Channel 151



Peak transmit Power - Channel 159



Date: 9.AUG.2017 03:39:54

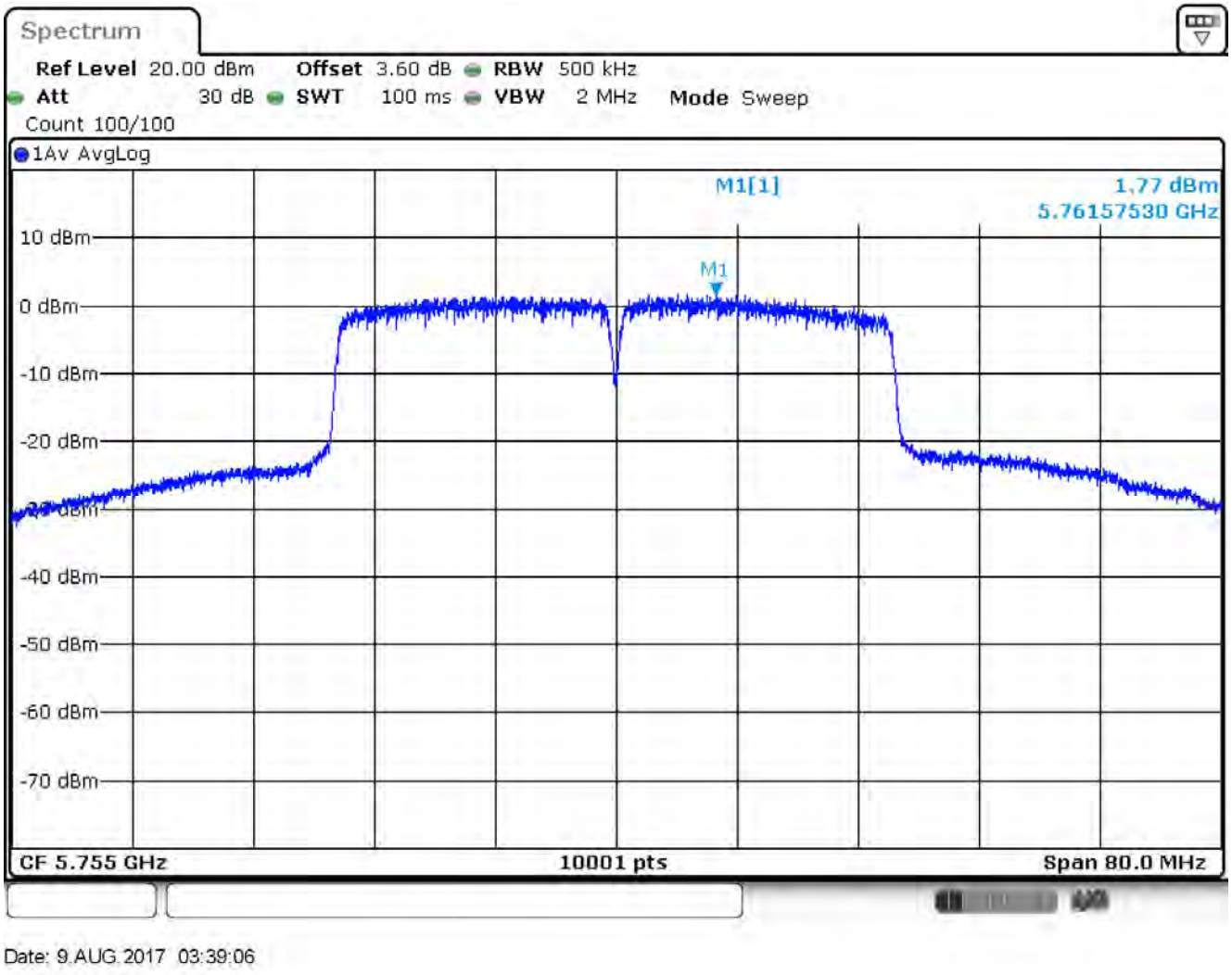
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	1.770	≤24.99	Pass
159	5795	2.430	≤24.99	Pass

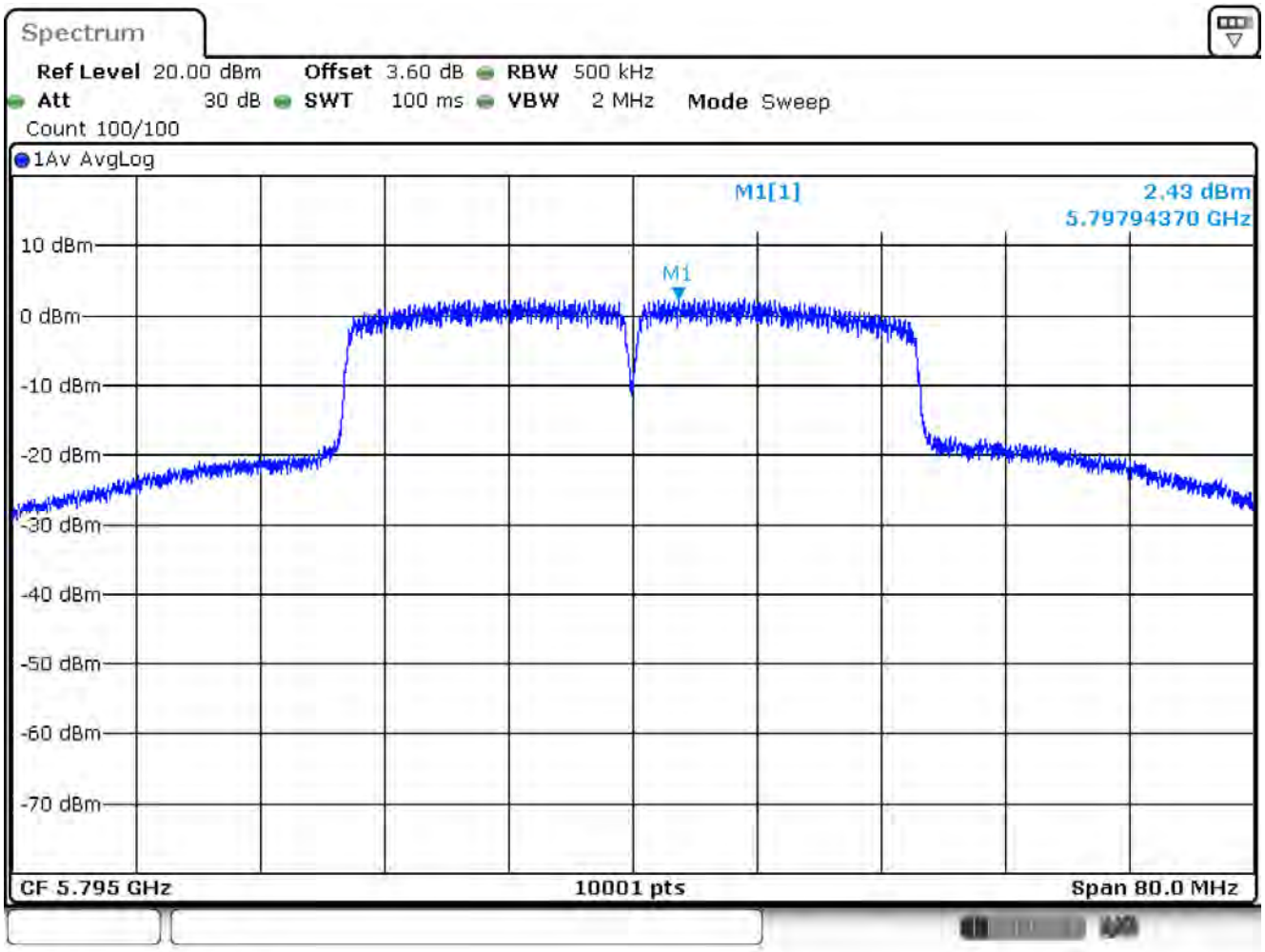
Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak transmit Power - Channel 151



Peak transmit Power - Channel 159



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	2017/08/09	2017/08/09

IEEE 802.11ac(40MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	4.790	≤24.99	Pass
159	5795	5.470	≤24.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

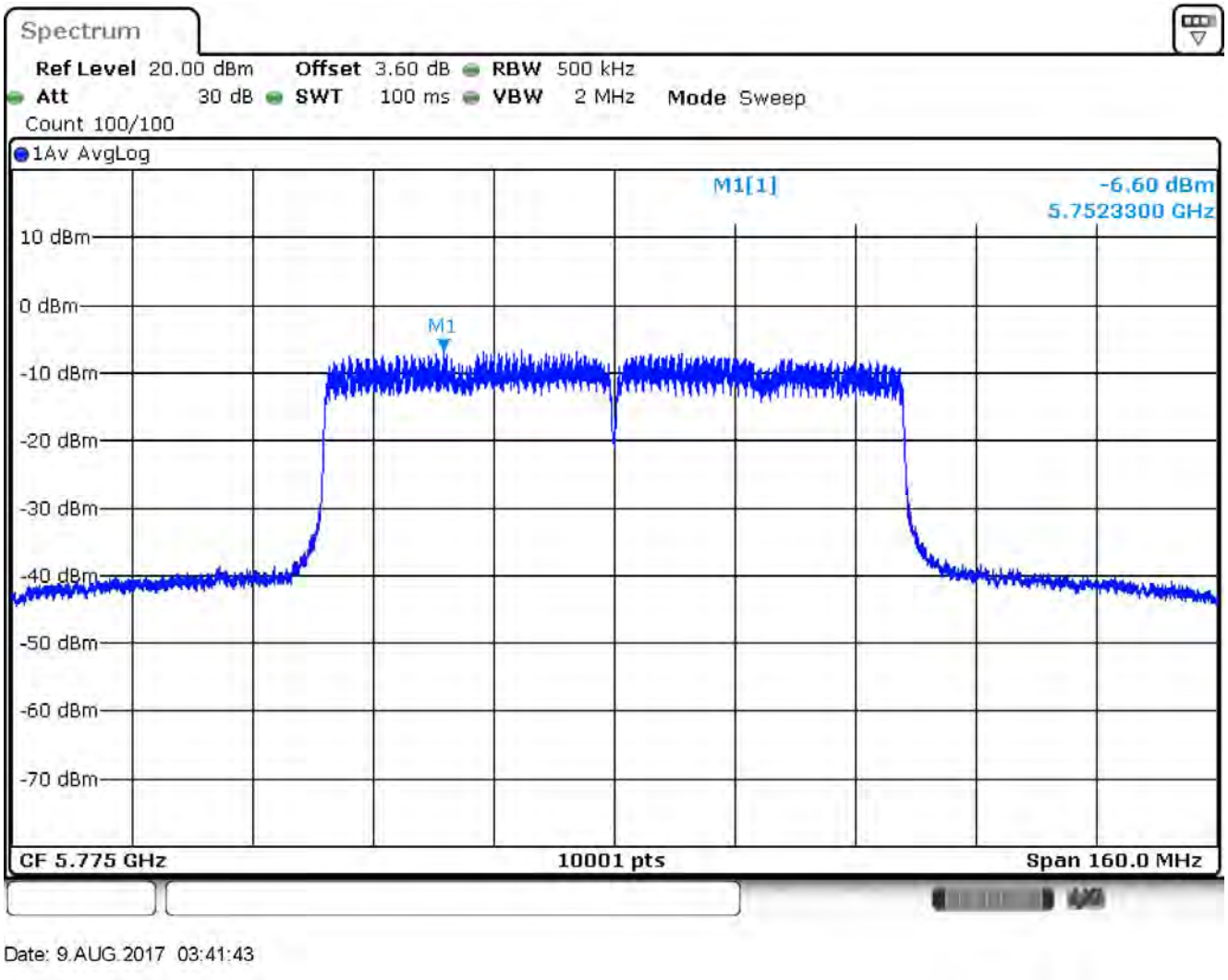
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-6.600	≤24.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak transmit Power - Channel 155



Date: 9.AUG.2017 03:41:43

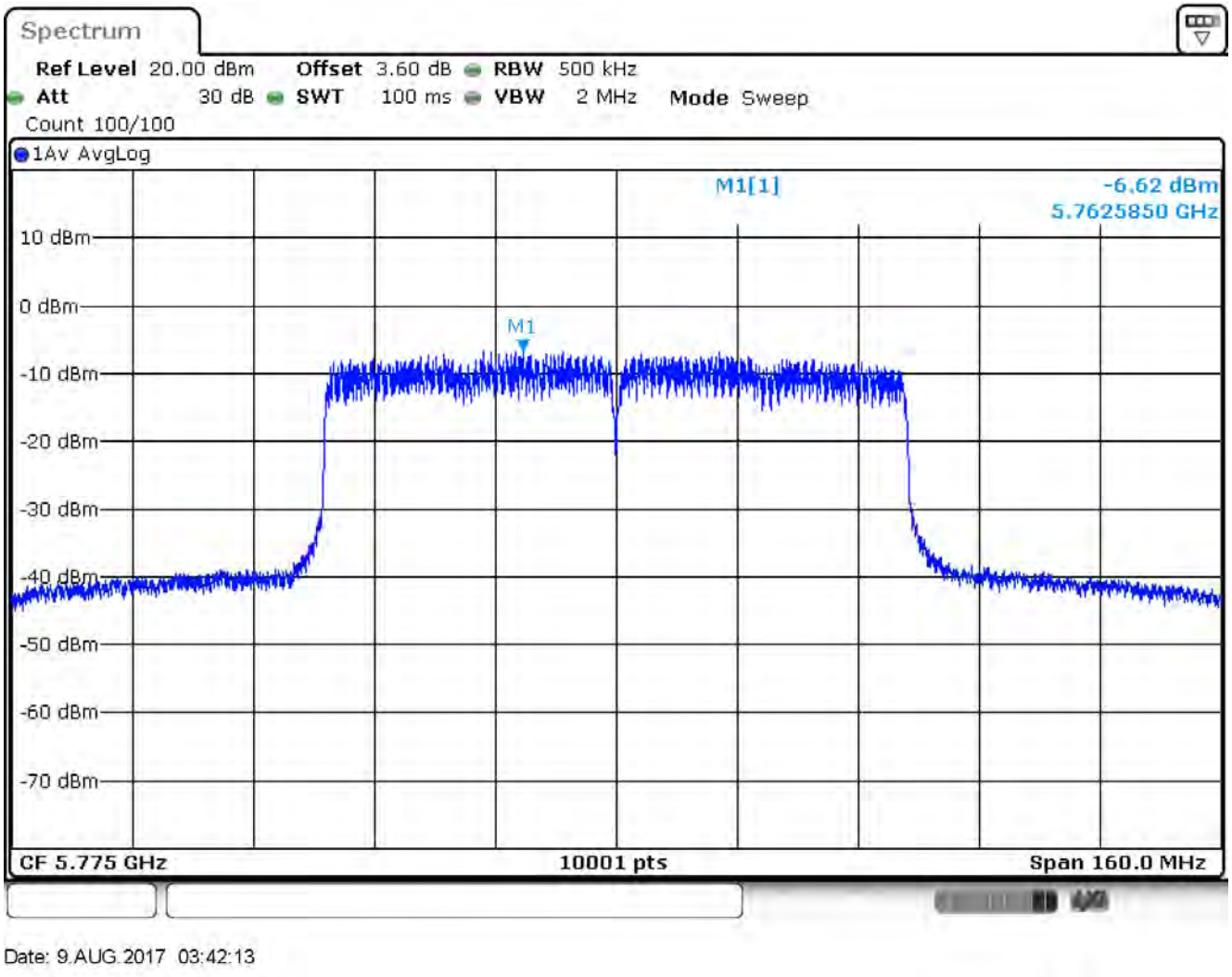
Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
155	5775	-6.620	≤24.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

Peak transmit Power - Channel 155



Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-3.600	≤24.99	Pass

Directional gain=10log(ANT N)+Gain=3.01+8=11.01

Limit =30dBm-(11.01dBi-6dBi)=24.99Bm

6. Radiated Emission

6.1. Test Equipment

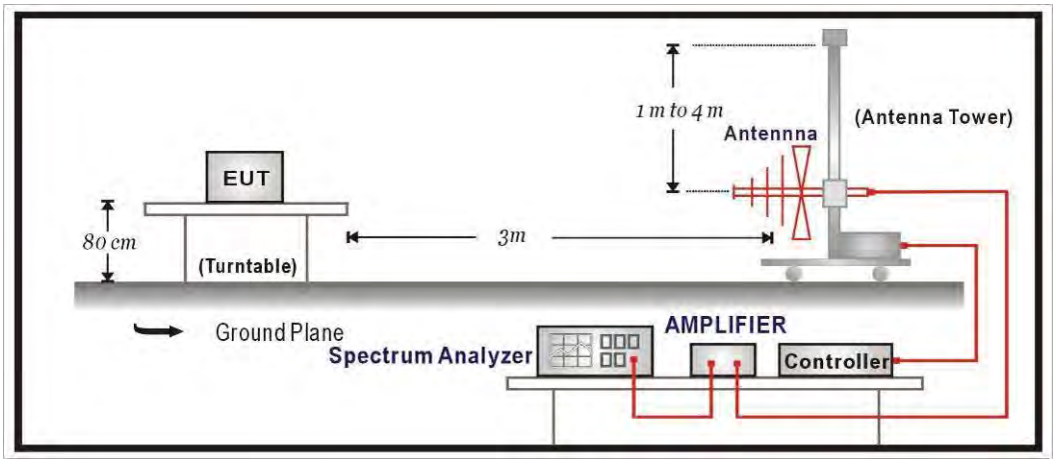
The following test equipments are used during the radiated emission test:

Radiated Emission / CB4-H

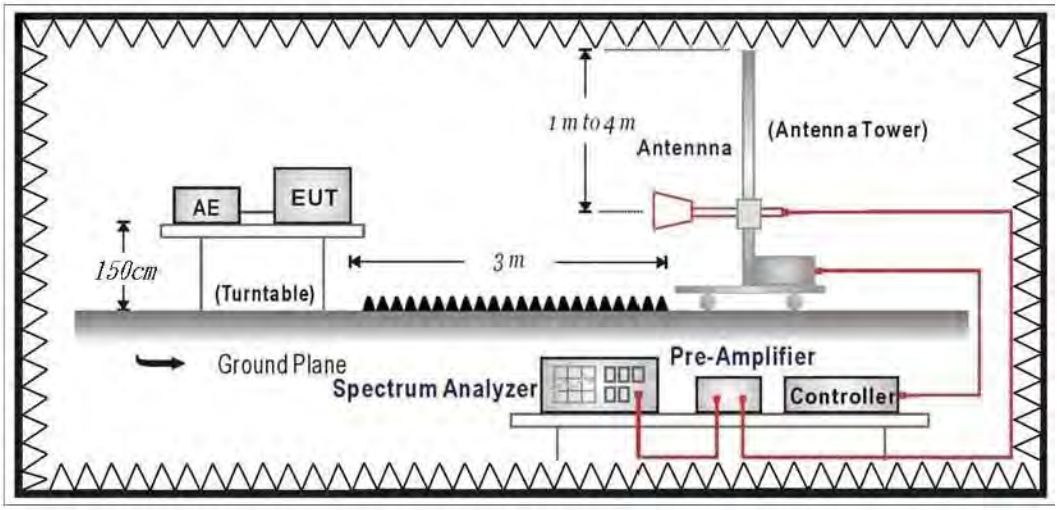
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2016/11/28	2017/11/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	203	2016/08/29	2017/08/28
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25

6.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



6.3. Limits

➢ **General Radiated Emission Limits**

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➢ **Unwanted Emission out of the restricted bands Limits**

FCC Part 15 Subpart C Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. uV/m = $\frac{1000000\sqrt{30 \times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

6.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
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: 2013 on radiated measurement.
The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.
The frequency range from 30MHz to 10th harminics is checked.

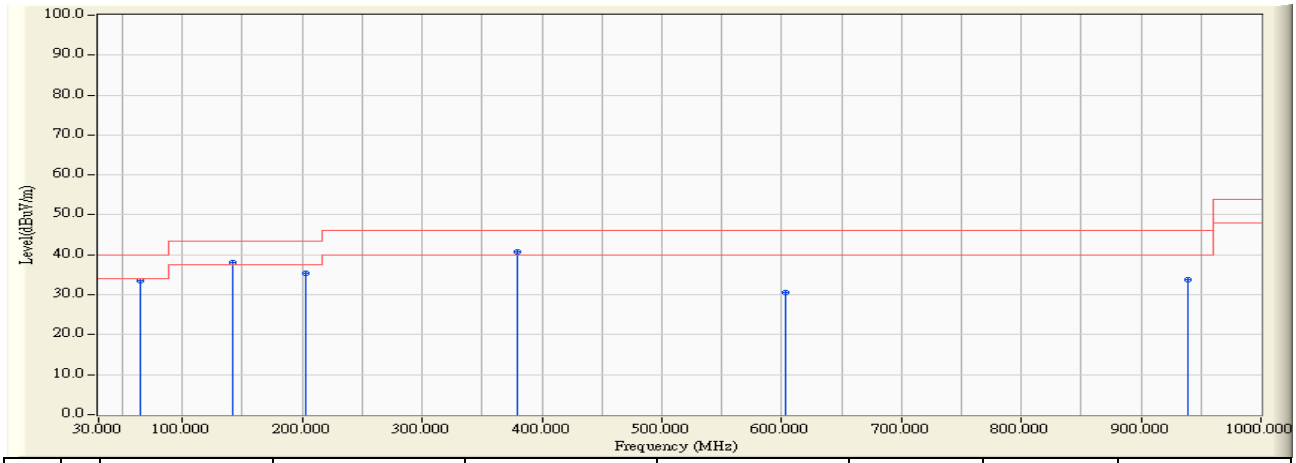
6.5. Uncertainty

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

6.6. Test Result

30MHz-1GHz Spurious

Site : CB4-H	**Time : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

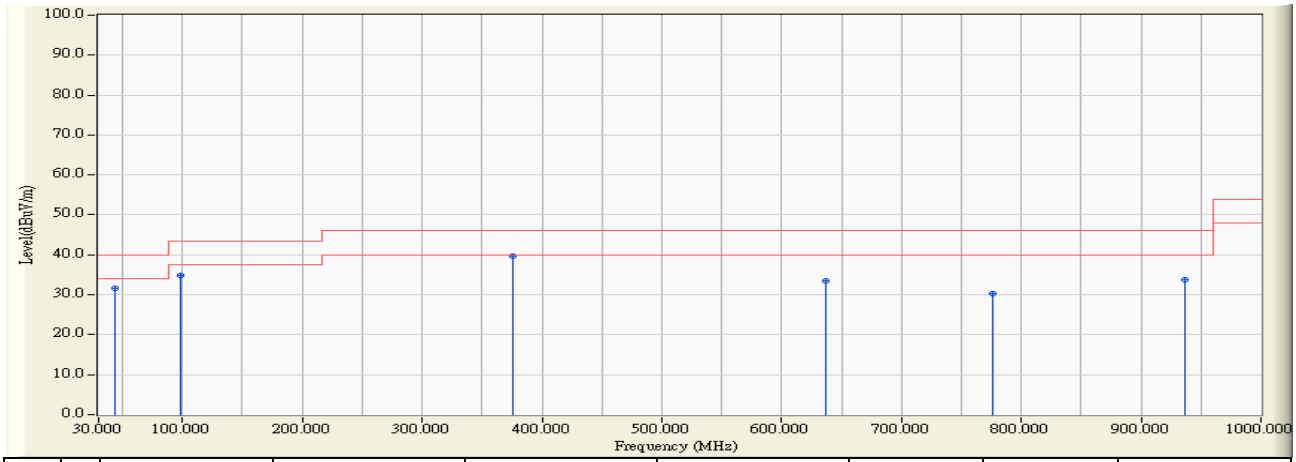


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		64.435	-28.242	61.710	33.468	-6.532	40.000	QUASIPEAK
2	*	142.035	-21.747	59.946	38.199	-5.301	43.500	QUASIPEAK
3		202.660	-22.922	58.404	35.482	-8.018	43.500	QUASIPEAK
4		379.200	-17.022	57.672	40.649	-5.351	46.000	QUASIPEAK
5		603.270	-13.149	43.814	30.664	-15.336	46.000	QUASIPEAK
6		938.890	-9.171	42.848	33.676	-12.324	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

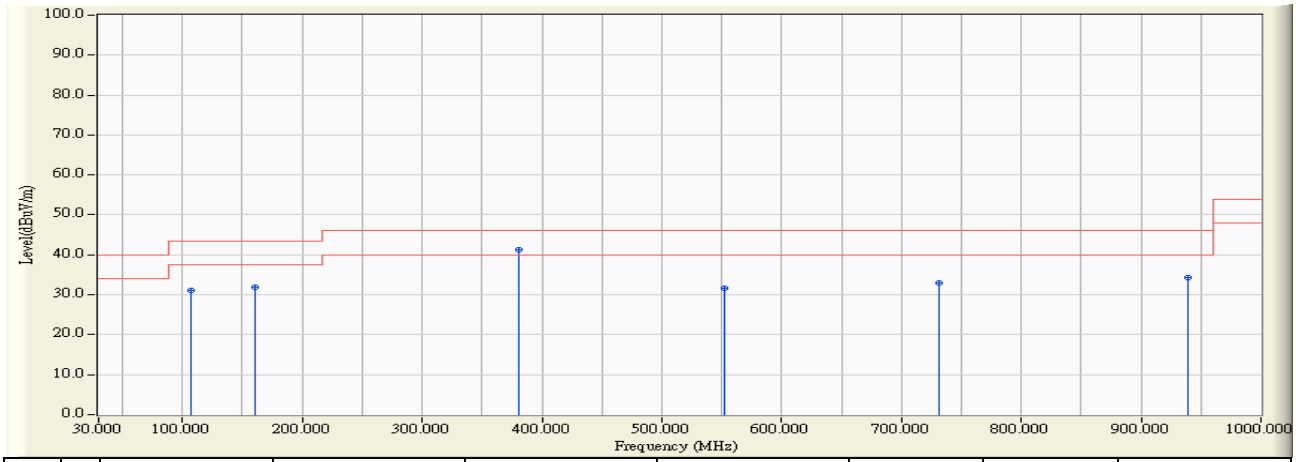


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		43.580	-19.812	51.399	31.586	-8.414	40.000	QUASIPEAK
2		98.385	-22.936	57.720	34.784	-8.716	43.500	QUASIPEAK
3	*	376.290	-17.002	56.791	39.789	-6.211	46.000	QUASIPEAK
4		636.735	-12.769	46.391	33.623	-12.377	46.000	QUASIPEAK
5		776.415	-11.269	41.676	30.407	-15.593	46.000	QUASIPEAK
6		936.465	-9.238	43.003	33.765	-12.235	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

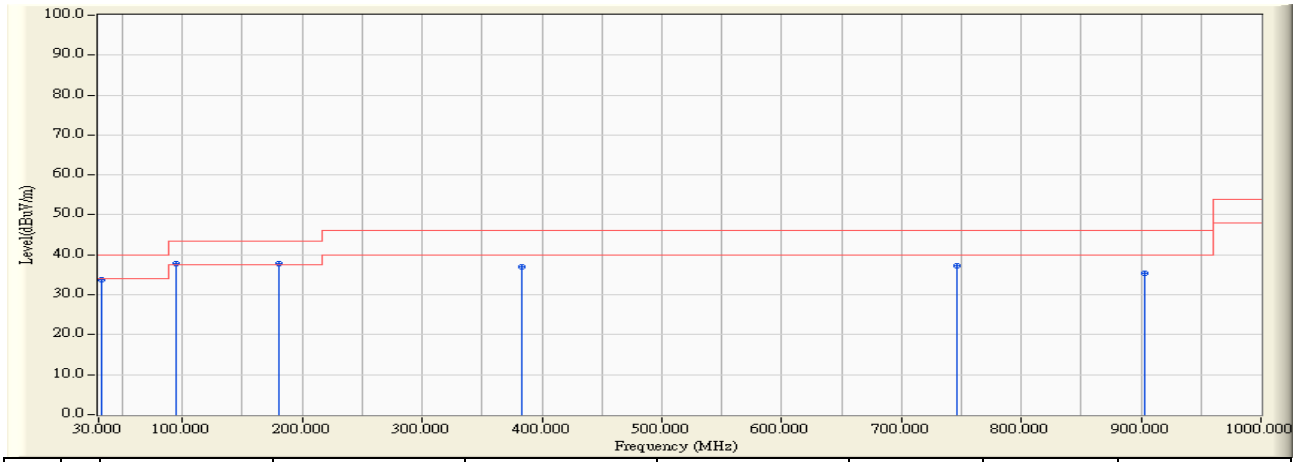


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		107.115	-21.847	53.000	31.153	-12.347	43.500	QUASIPEAK
2		159.980	-22.614	54.520	31.906	-11.594	43.500	QUASIPEAK
3	*	380.655	-16.786	58.066	41.280	-4.720	46.000	QUASIPEAK
4		552.345	-13.746	45.400	31.654	-14.346	46.000	QUASIPEAK
5		731.310	-11.709	44.767	33.058	-12.942	46.000	QUASIPEAK
6		938.890	-9.171	43.563	34.391	-11.609	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

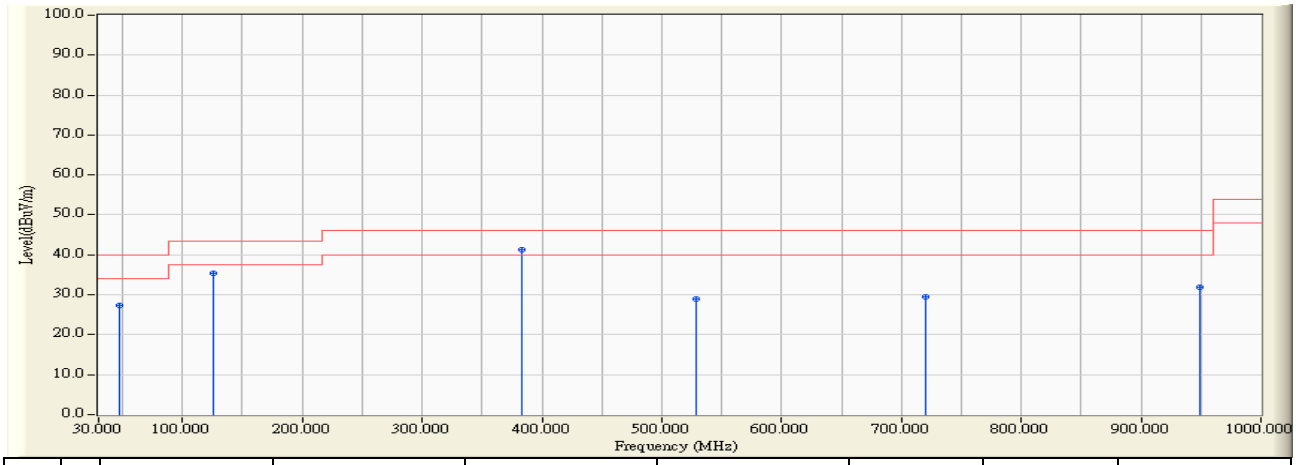


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		32.910	-15.401	49.083	33.682	-6.318	40.000	QUASIPEAK
2		94.505	-24.311	62.114	37.803	-5.697	43.500	QUASIPEAK
3	*	180.350	-24.041	61.918	37.877	-5.623	43.500	QUASIPEAK
4		382.595	-16.708	53.759	37.051	-8.949	46.000	QUASIPEAK
5		746.830	-11.523	48.790	37.267	-8.733	46.000	QUASIPEAK
6		903.485	-9.662	45.045	35.383	-10.617	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

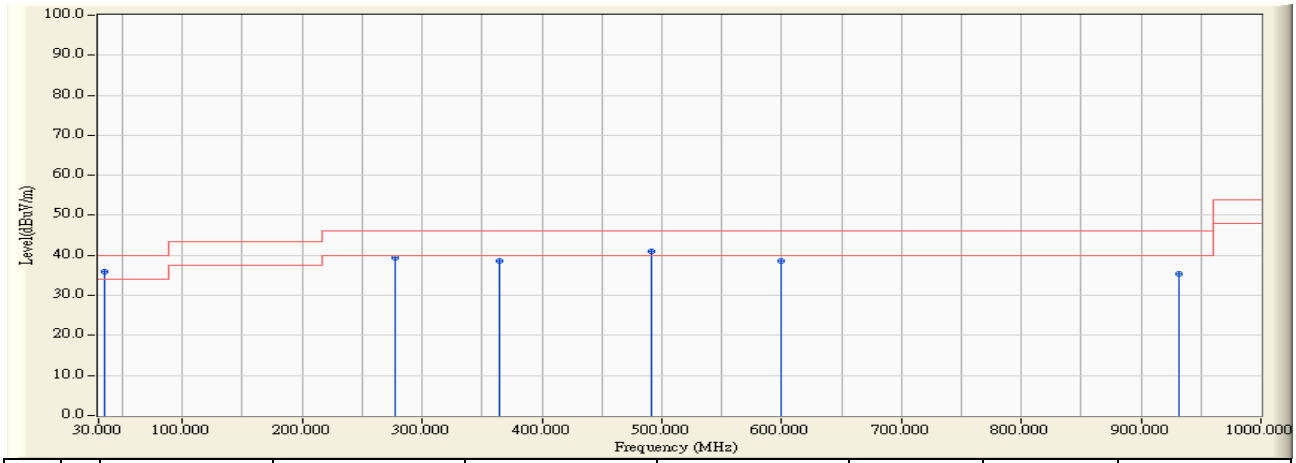


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		46.975	-22.630	49.865	27.236	-12.764	40.000	QUASIPEAK
2		125.545	-21.241	56.549	35.308	-8.192	43.500	QUASIPEAK
3	*	383.080	-16.736	58.012	41.276	-4.724	46.000	QUASIPEAK
4		528.095	-14.011	43.051	29.040	-16.960	46.000	QUASIPEAK
5		720.155	-11.904	41.442	29.539	-16.461	46.000	QUASIPEAK
6		949.560	-9.089	41.081	31.992	-14.008	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

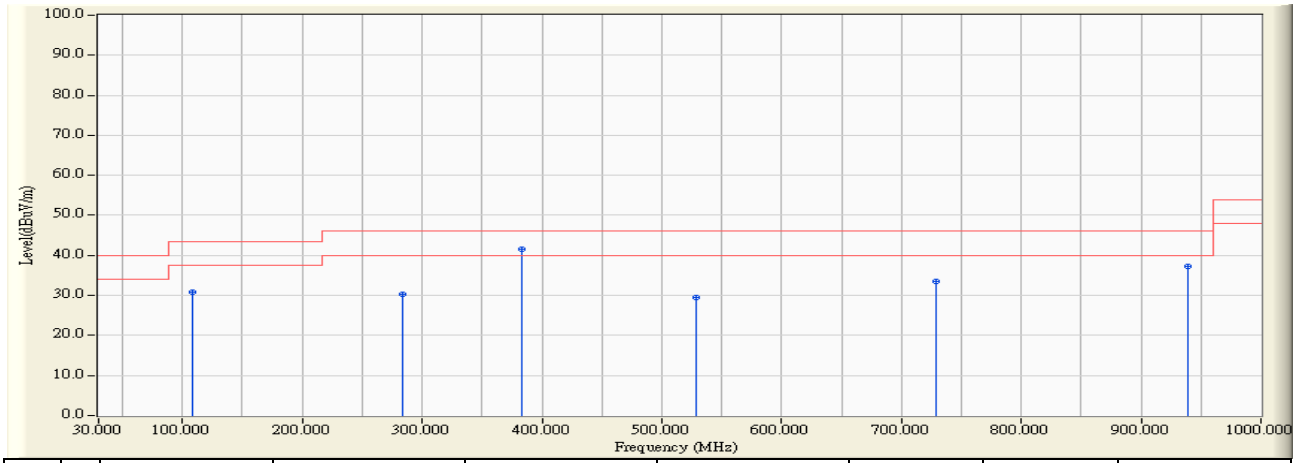


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	34.365	-15.382	51.203	35.821	-4.179	40.000	QUASIPEAK
2		276.865	-19.924	59.398	39.474	-6.526	46.000	QUASIPEAK
3		364.165	-17.473	56.175	38.701	-7.299	46.000	QUASIPEAK
4		490.750	-14.449	55.456	41.008	-4.992	46.000	QUASIPEAK
5		599.875	-13.206	51.790	38.584	-7.416	46.000	QUASIPEAK
6		932.100	-9.327	44.675	35.349	-10.651	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

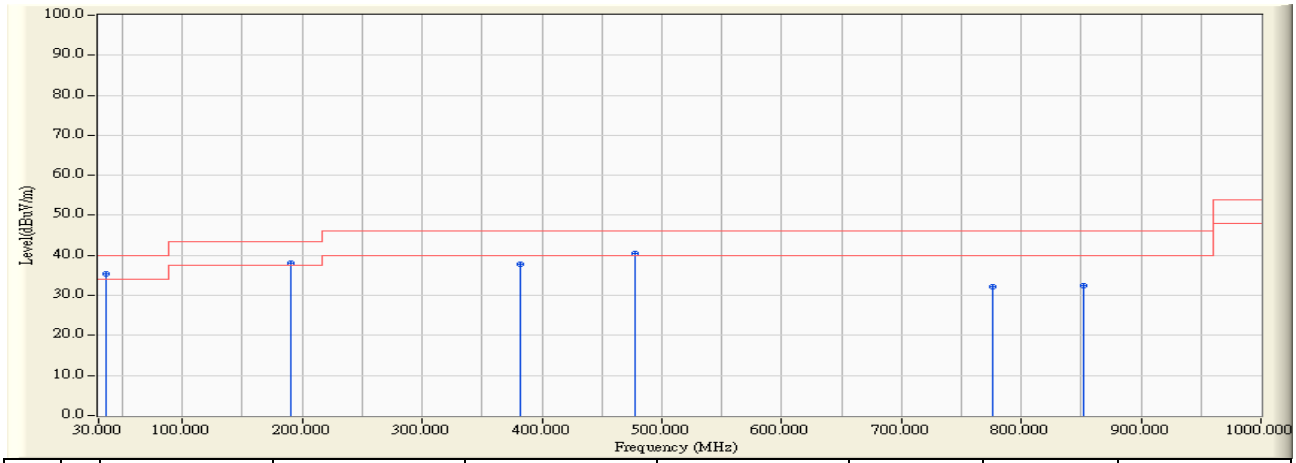


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		108.085	-21.967	52.878	30.911	-12.589	43.500	QUASIPEAK
2		284.140	-19.727	50.115	30.388	-15.612	46.000	QUASIPEAK
3	*	382.595	-16.708	58.214	41.506	-4.494	46.000	QUASIPEAK
4		528.095	-14.011	43.635	29.624	-16.376	46.000	QUASIPEAK
5		728.885	-11.748	45.368	33.620	-12.380	46.000	QUASIPEAK
6		938.890	-9.171	46.472	37.300	-8.700	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

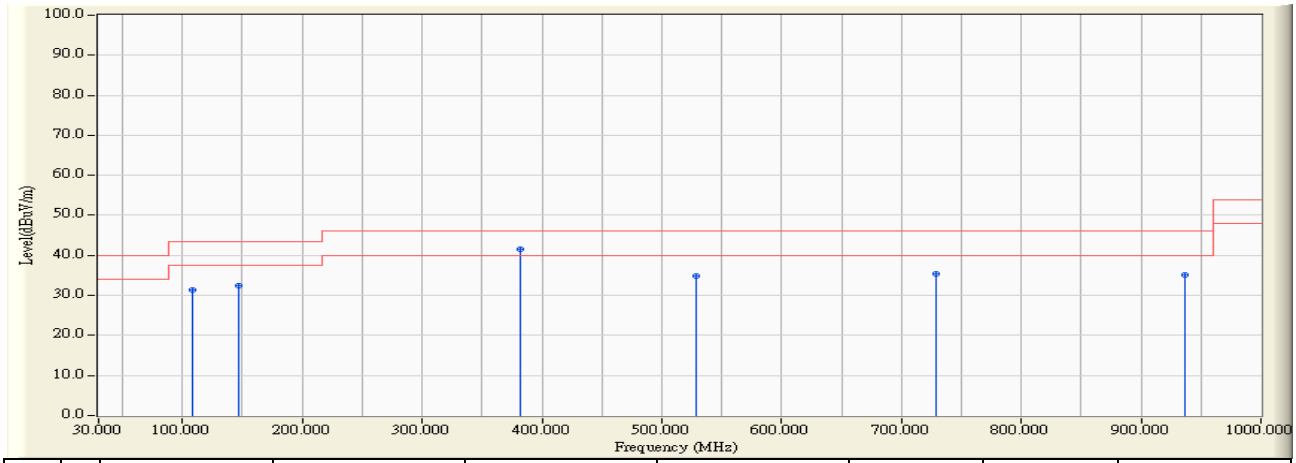


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.790	-15.508	50.842	35.334	-4.666	40.000	QUASIPEAK
2		190.535	-23.506	61.538	38.032	-5.468	43.500	QUASIPEAK
3		382.110	-16.680	54.416	37.736	-8.264	46.000	QUASIPEAK
4		478.140	-14.850	55.414	40.564	-5.436	46.000	QUASIPEAK
5		776.415	-11.269	43.498	32.229	-13.771	46.000	QUASIPEAK
6		852.075	-10.383	42.943	32.560	-13.440	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

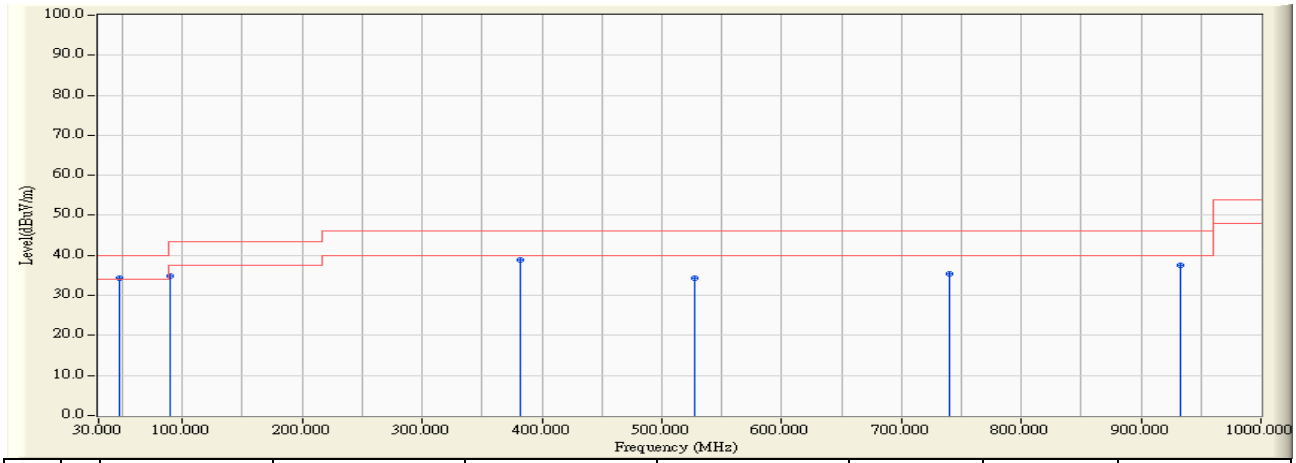


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		108.085	-21.967	53.452	31.485	-12.015	43.500	QUASIPEAK
2		147.370	-22.074	54.515	32.441	-11.059	43.500	QUASIPEAK
3	*	381.625	-16.699	58.258	41.560	-4.440	46.000	QUASIPEAK
4		528.095	-14.011	48.740	34.729	-11.271	46.000	QUASIPEAK
5		729.370	-11.740	47.125	35.386	-10.614	46.000	QUASIPEAK
6		936.465	-9.238	44.240	35.002	-10.998	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

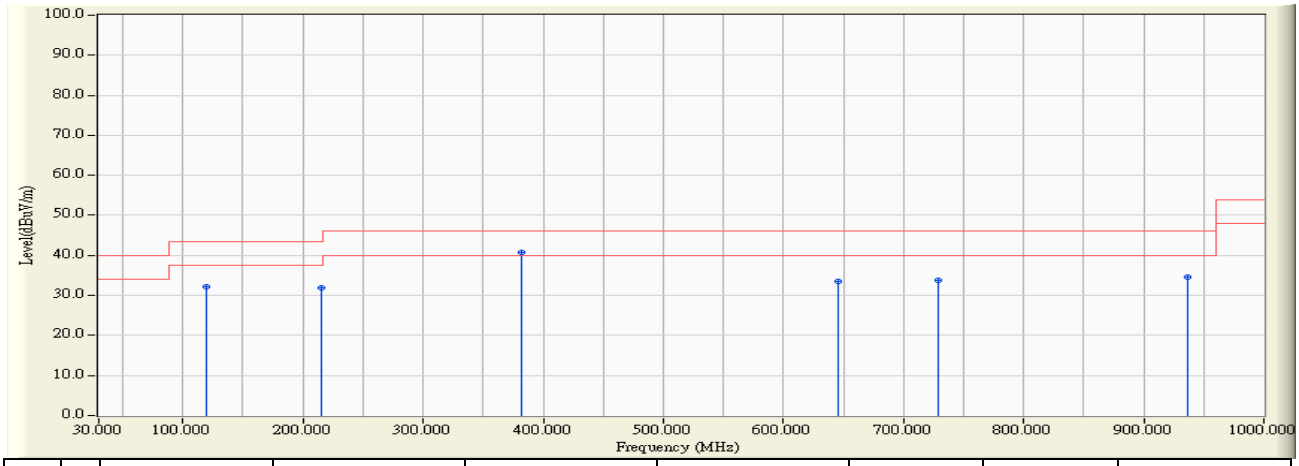


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	47.945	-23.174	57.464	34.291	-5.709	40.000	QUASIPEAK
2		89.170	-25.482	60.215	34.733	-8.767	43.500	QUASIPEAK
3		382.110	-16.680	55.605	38.925	-7.075	46.000	QUASIPEAK
4		527.610	-14.042	48.397	34.355	-11.645	46.000	QUASIPEAK
5		740.040	-11.657	46.936	35.280	-10.720	46.000	QUASIPEAK
6		932.585	-9.314	46.955	37.642	-8.358	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

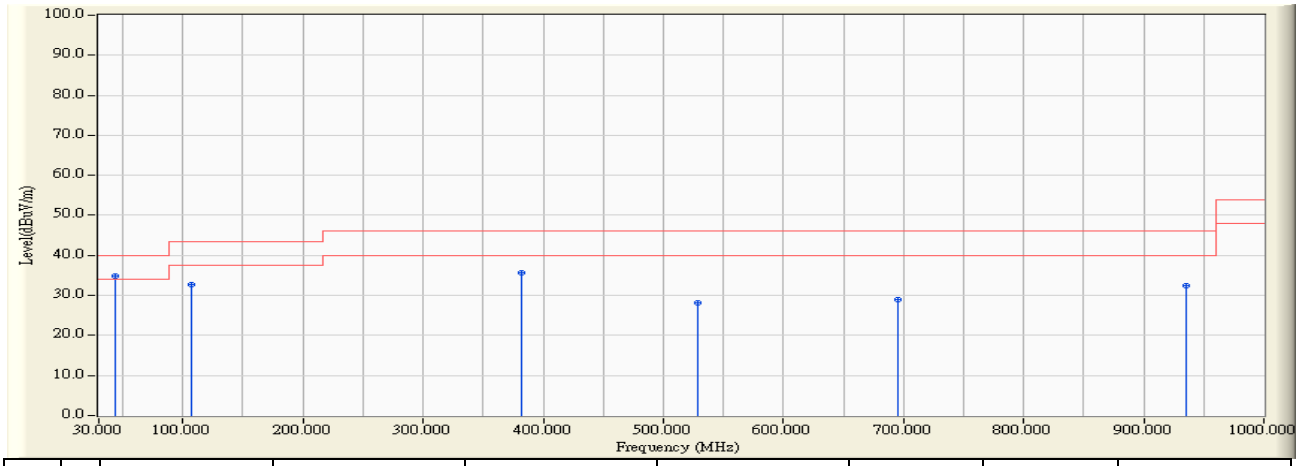


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		119.725	-20.748	52.851	32.103	-11.397	43.500	QUASIPEAK
2		214.785	-22.369	54.332	31.963	-11.537	43.500	QUASIPEAK
3	*	381.625	-16.699	57.340	40.642	-5.358	46.000	QUASIPEAK
4		645.465	-12.648	46.078	33.430	-12.570	46.000	QUASIPEAK
5		728.885	-11.748	45.457	33.709	-12.291	46.000	QUASIPEAK
6		936.950	-9.224	43.913	34.689	-11.311	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

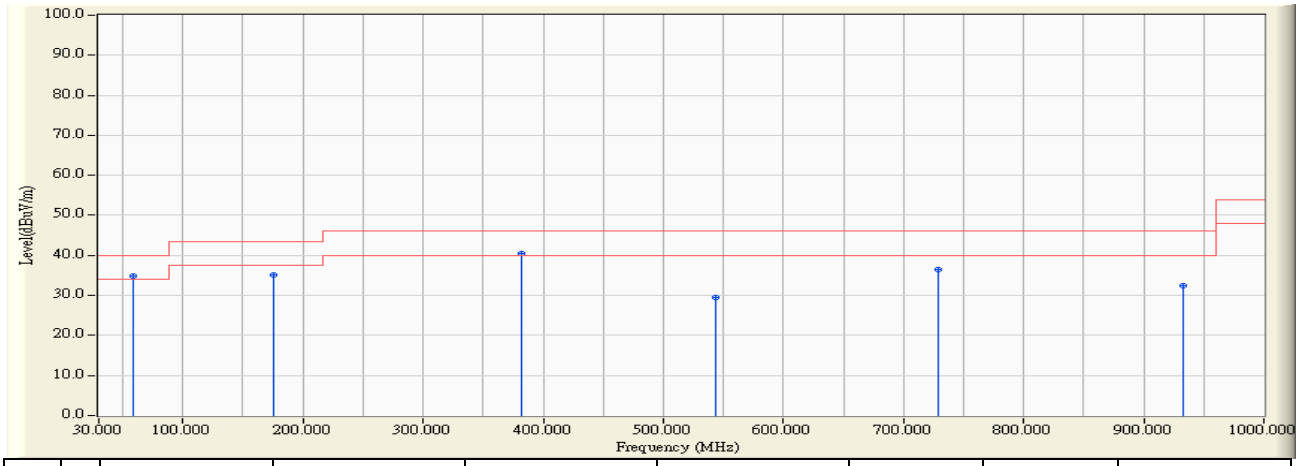


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	43.580	-19.812	54.784	34.971	-5.029	40.000	QUASIPEAK
2		106.630	-21.784	54.390	32.607	-10.893	43.500	QUASIPEAK
3		382.110	-16.680	52.203	35.523	-10.477	46.000	QUASIPEAK
4		528.095	-14.011	42.182	28.171	-17.829	46.000	QUASIPEAK
5		695.905	-12.190	41.179	28.989	-17.011	46.000	QUASIPEAK
6		935.495	-9.237	41.735	32.498	-13.502	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

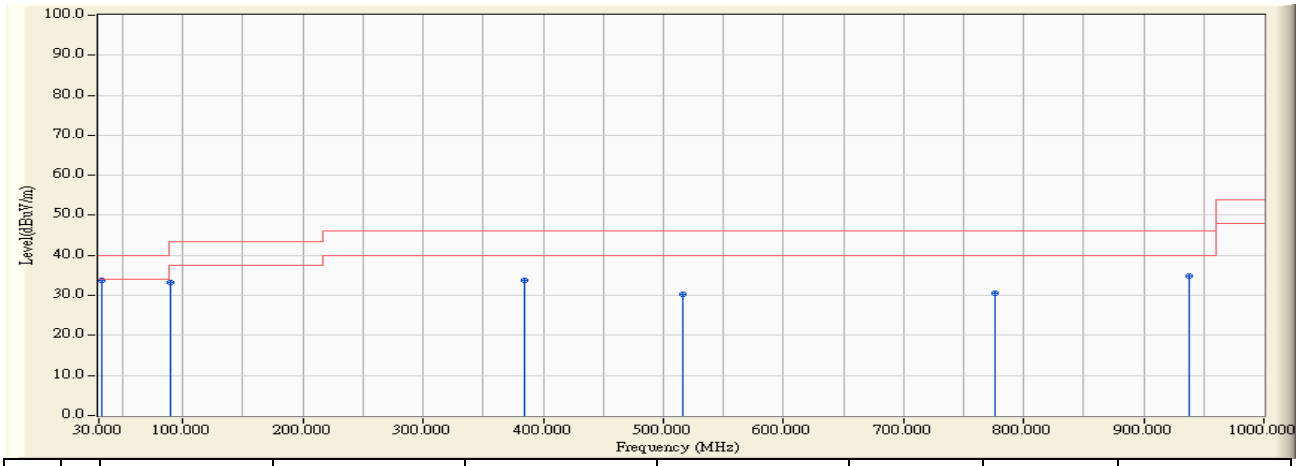


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	58.615	-27.330	62.233	34.903	-5.097	40.000	QUASIPEAK
2		175.015	-23.997	59.018	35.021	-8.479	43.500	QUASIPEAK
3		382.110	-16.680	57.184	40.504	-5.496	46.000	QUASIPEAK
4		543.130	-13.839	43.210	29.371	-16.629	46.000	QUASIPEAK
5		729.370	-11.740	48.148	36.409	-9.591	46.000	QUASIPEAK
6		932.585	-9.314	41.676	32.363	-13.637	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

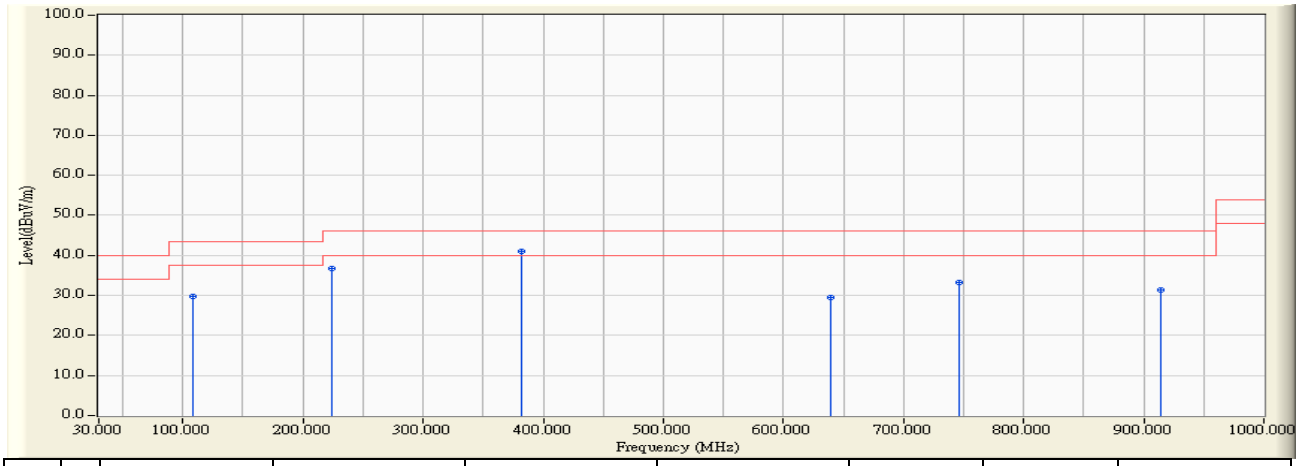


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	31.940	-14.332	48.141	33.810	-6.190	40.000	QUASIPEAK
2		89.170	-25.482	58.607	33.125	-10.375	43.500	QUASIPEAK
3		384.050	-16.792	50.501	33.709	-12.291	46.000	QUASIPEAK
4		516.455	-14.245	44.647	30.401	-15.599	46.000	QUASIPEAK
5		776.415	-11.269	41.890	30.621	-15.379	46.000	QUASIPEAK
6		937.435	-9.211	43.967	34.756	-11.244	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**

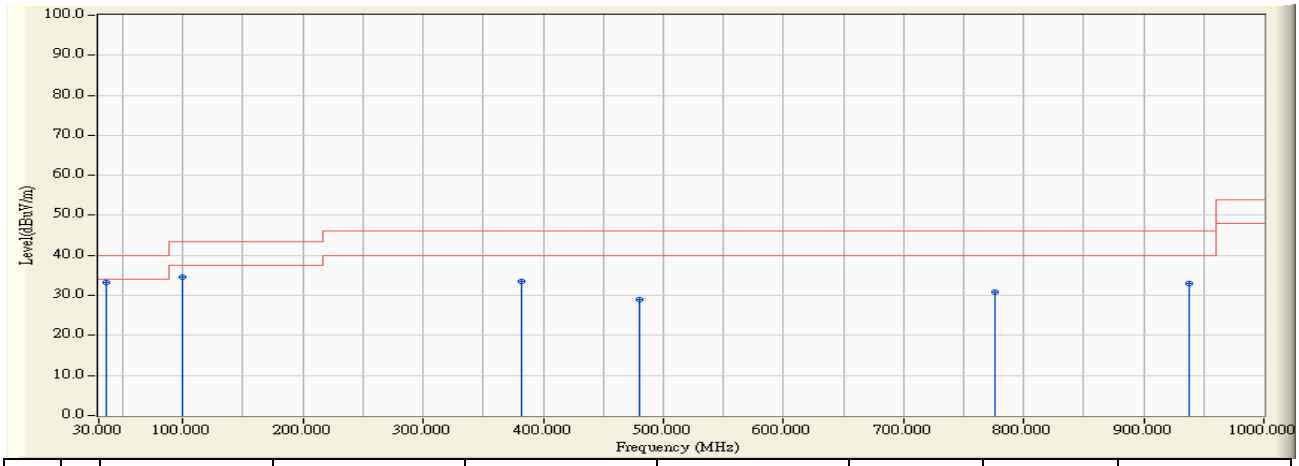


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		108.085	-21.967	51.666	29.699	-13.801	43.500	QUASIPEAK
2		223.515	-22.035	58.667	36.632	-9.368	46.000	QUASIPEAK
3	*	381.625	-16.699	57.616	40.918	-5.082	46.000	QUASIPEAK
4		639.645	-12.725	42.145	29.419	-16.581	46.000	QUASIPEAK
5		746.830	-11.523	44.885	33.362	-12.638	46.000	QUASIPEAK
6		914.155	-9.582	41.041	31.459	-14.541	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 : 2017/08/05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**



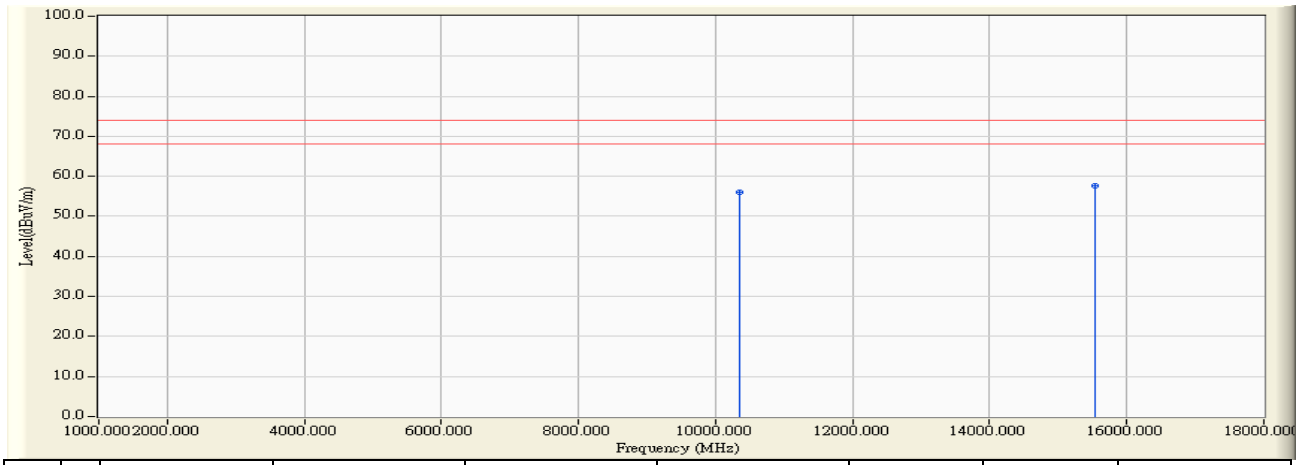
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.790	-15.508	48.725	33.217	-6.783	40.000	QUASIPEAK
2		99.355	-22.722	57.307	34.585	-8.915	43.500	QUASIPEAK
3		382.110	-16.680	50.182	33.502	-12.498	46.000	QUASIPEAK
4		480.080	-14.639	43.654	29.015	-16.985	46.000	QUASIPEAK
5		775.930	-11.307	42.024	30.718	-15.282	46.000	QUASIPEAK
6		937.435	-9.211	42.271	33.060	-12.940	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.

Harmonic & Spurious:

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

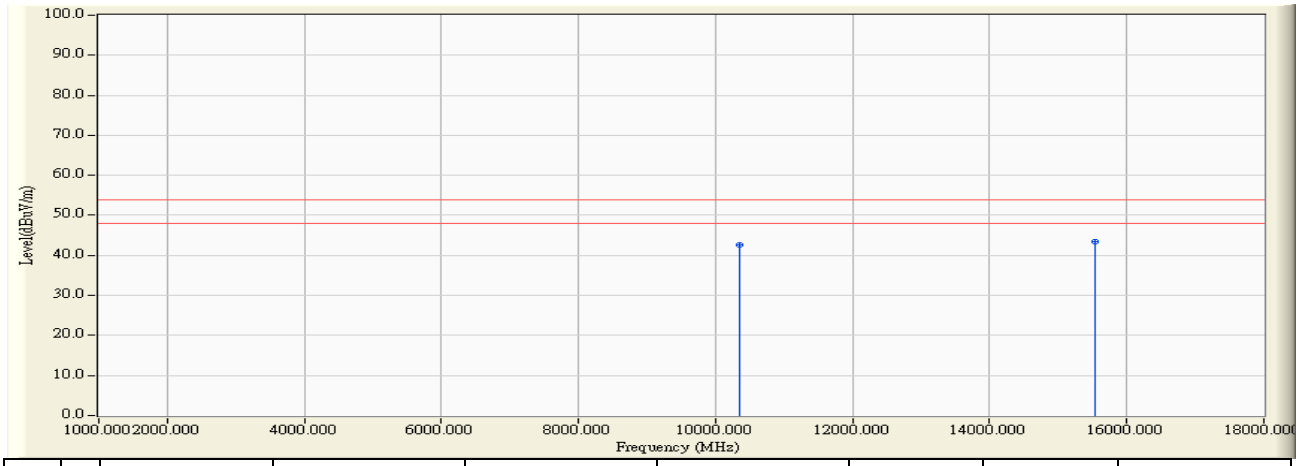


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	15.272	40.690	55.962	-18.038	74.000	PEAK
2	*	15540.000	18.014	39.750	57.764	-16.236	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

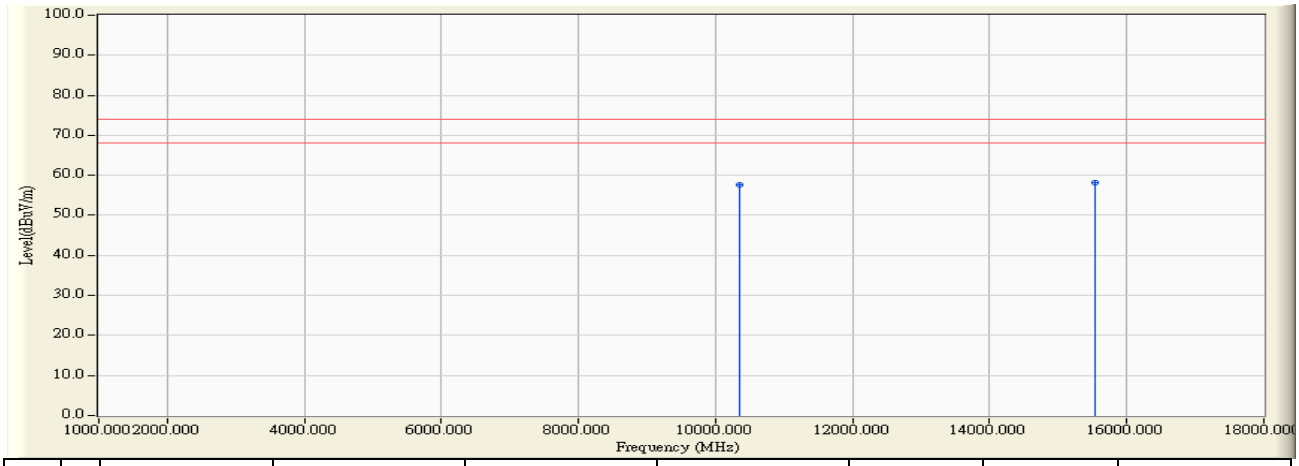


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	15.272	27.480	42.752	-11.248	54.000	AVERAGE
2	*	15540.000	18.014	25.490	43.504	-10.496	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

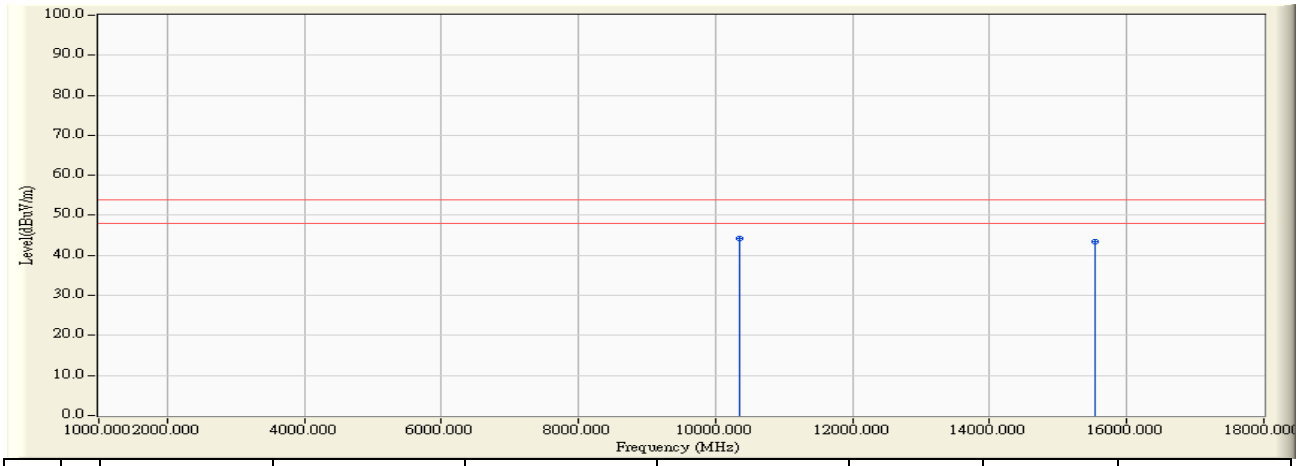


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	15.272	42.290	57.562	-16.438	74.000	PEAK
2	*	15540.000	18.014	40.280	58.294	-15.706	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

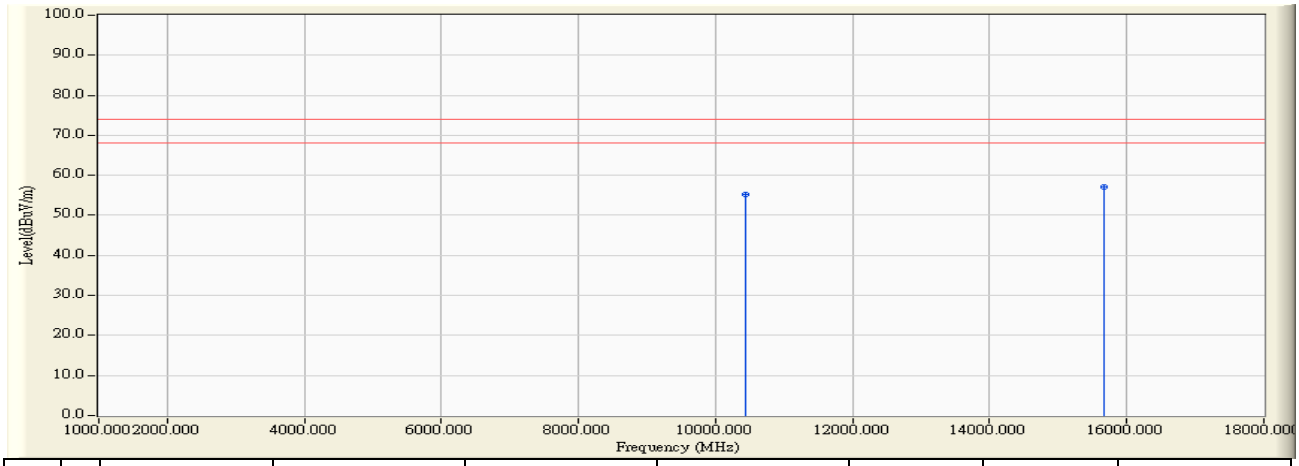


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	15.272	28.840	44.112	-9.888	54.000	AVERAGE
2		15540.000	18.014	25.530	43.544	-10.456	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

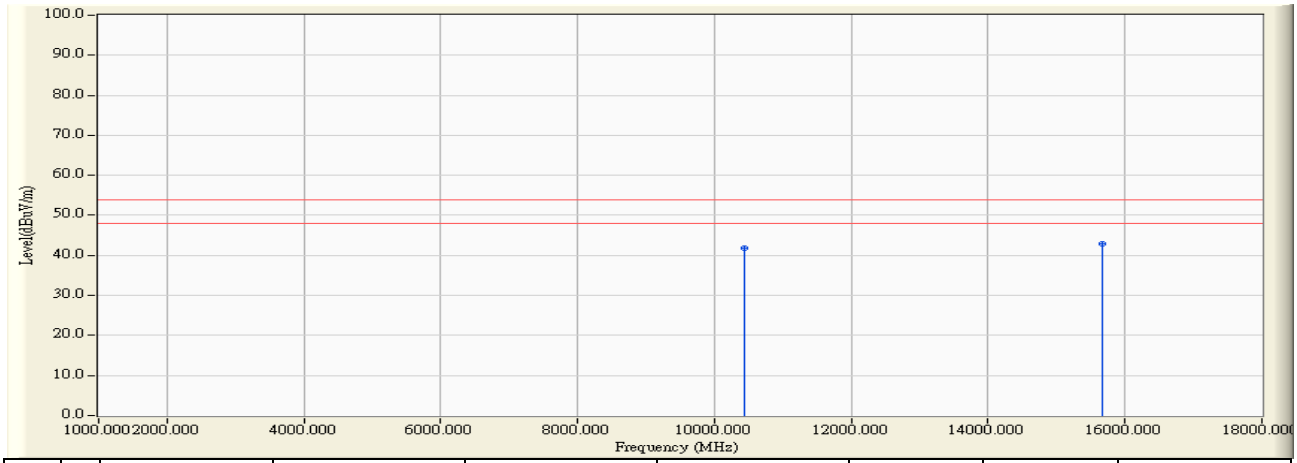


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10440.000	15.445	39.870	55.315	-18.685	74.000	PEAK
2	*	15660.000	17.641	39.390	57.031	-16.969	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

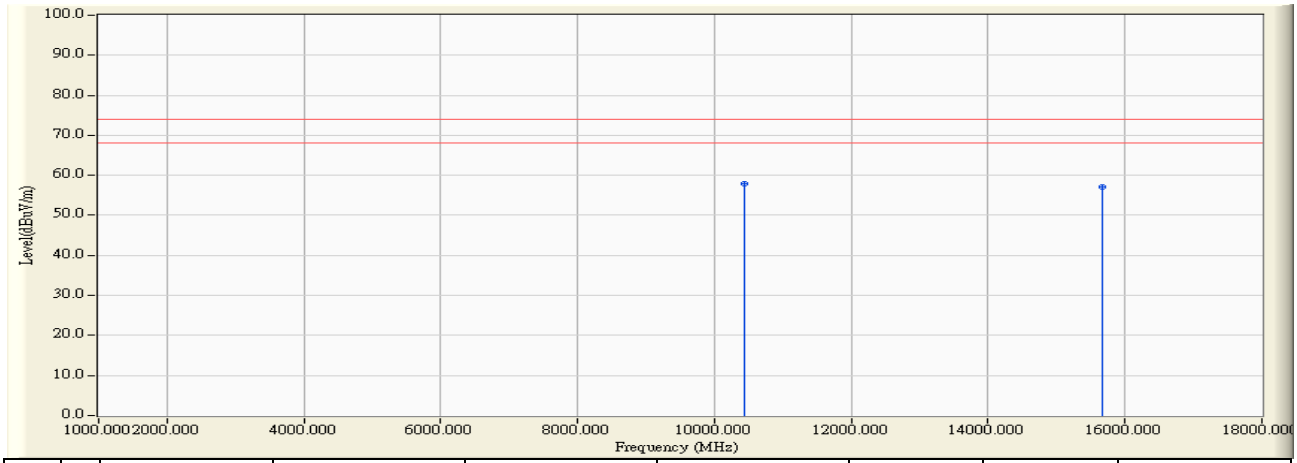


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10440.000	15.445	26.420	41.865	-12.135	54.000	AVERAGE
2	*	15660.000	17.641	25.270	42.911	-11.089	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

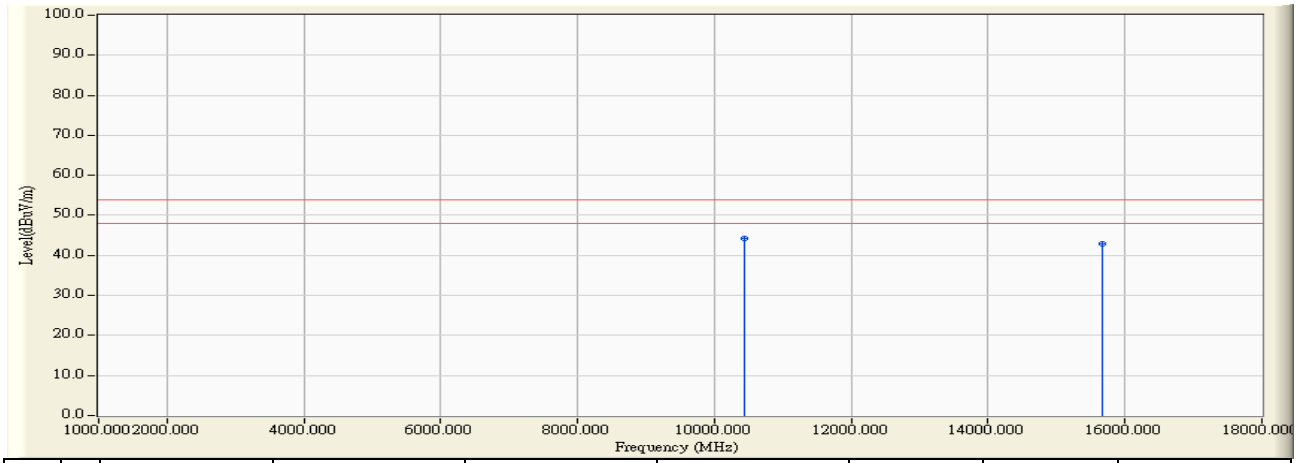


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	15.445	42.510	57.955	-16.045	74.000	PEAK
2		15660.000	17.641	39.440	57.081	-16.919	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

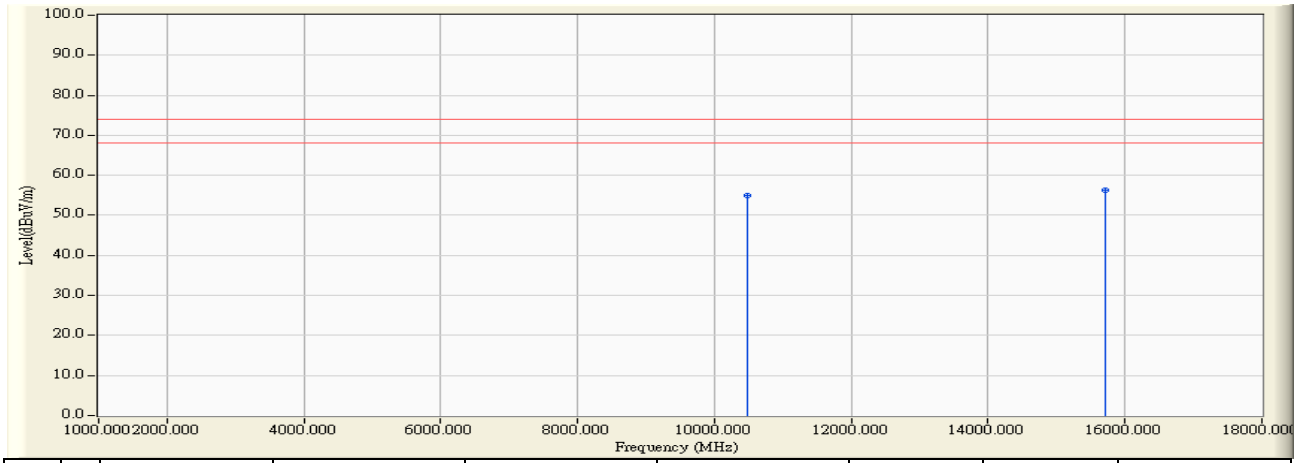


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	15.445	28.920	44.365	-9.635	54.000	AVERAGE
2		15660.000	17.641	25.190	42.831	-11.169	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

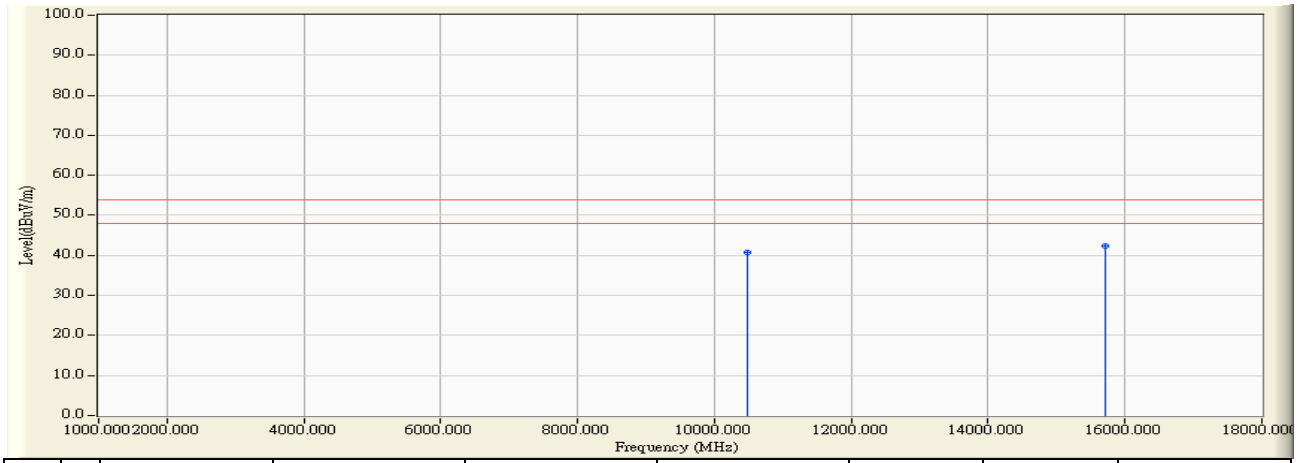


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10480.000	15.335	39.520	54.855	-19.145	74.000	PEAK
2	*	15720.000	17.166	39.260	56.426	-17.574	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

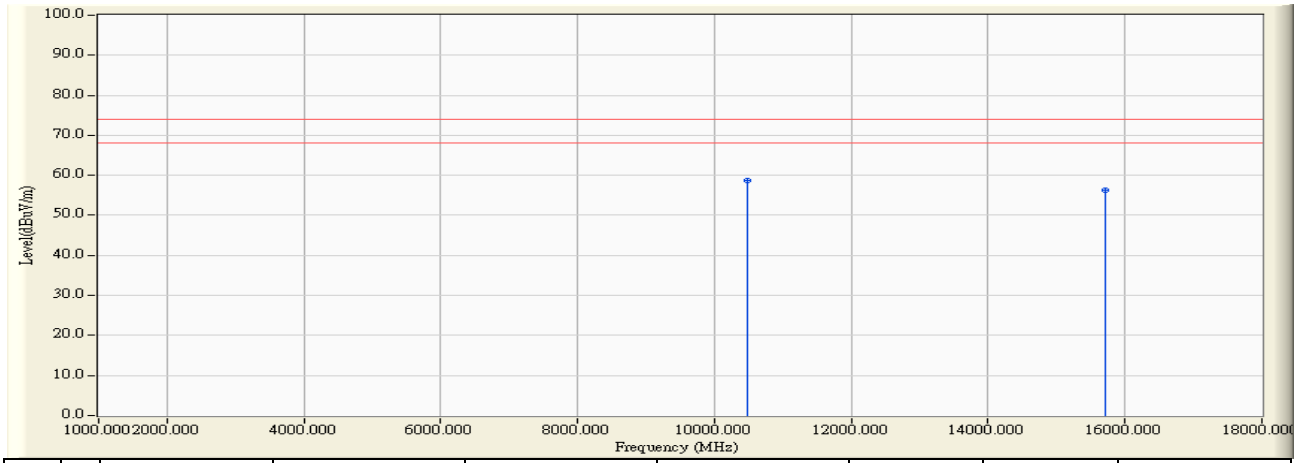


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10480.000	15.335	25.480	40.815	-13.185	54.000	AVERAGE
2	*	15720.000	17.166	25.240	42.406	-11.594	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

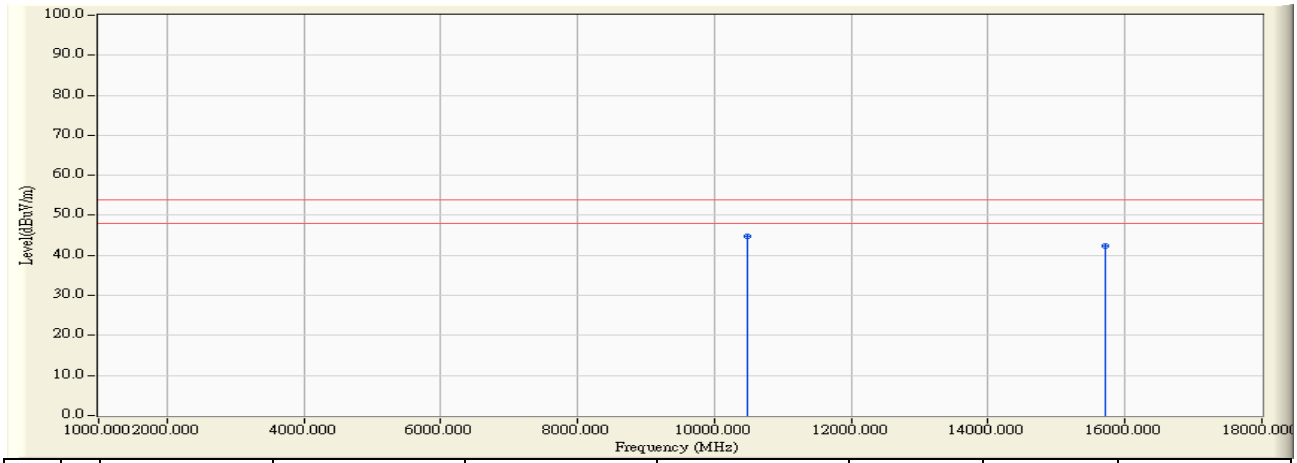


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	15.335	43.350	58.685	-15.315	74.000	PEAK
2		15720.000	17.166	39.010	56.176	-17.824	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

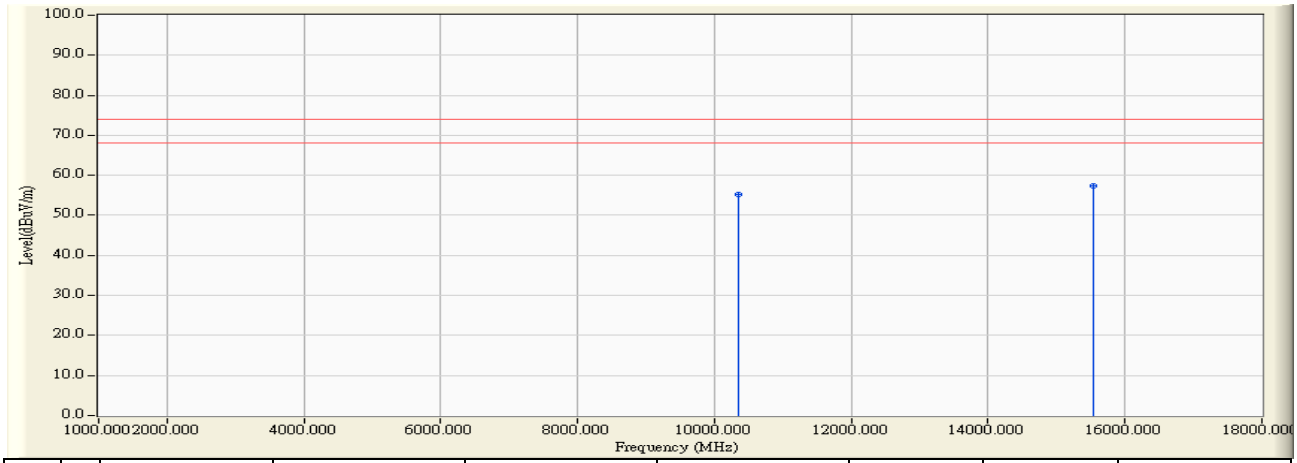


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	15.335	29.420	44.755	-9.245	54.000	AVERAGE
2		15720.000	17.166	25.230	42.396	-11.604	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

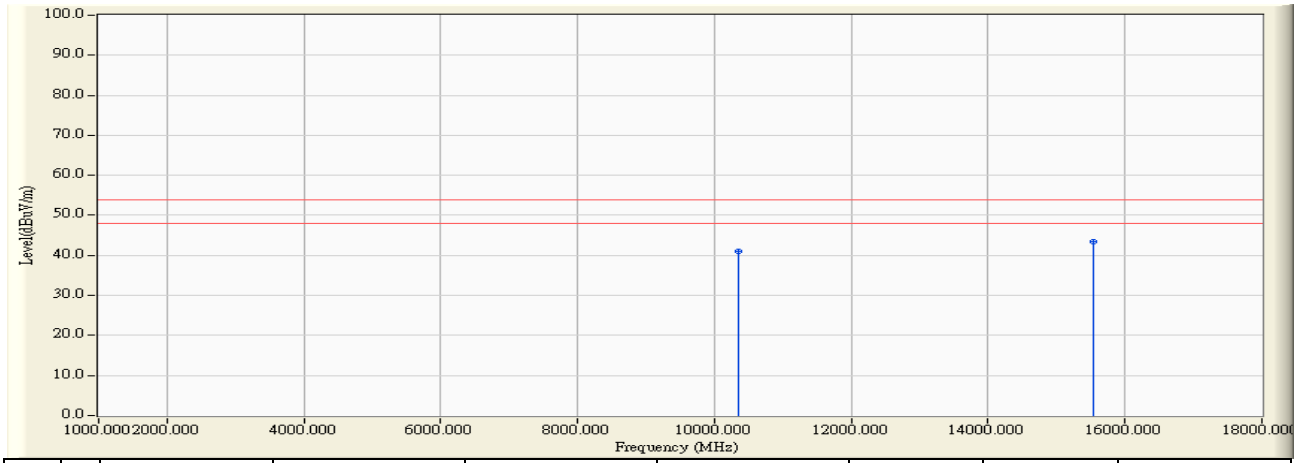


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	15.272	40.090	55.362	-18.638	74.000	PEAK
2	*	15540.000	18.014	39.340	57.354	-16.646	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

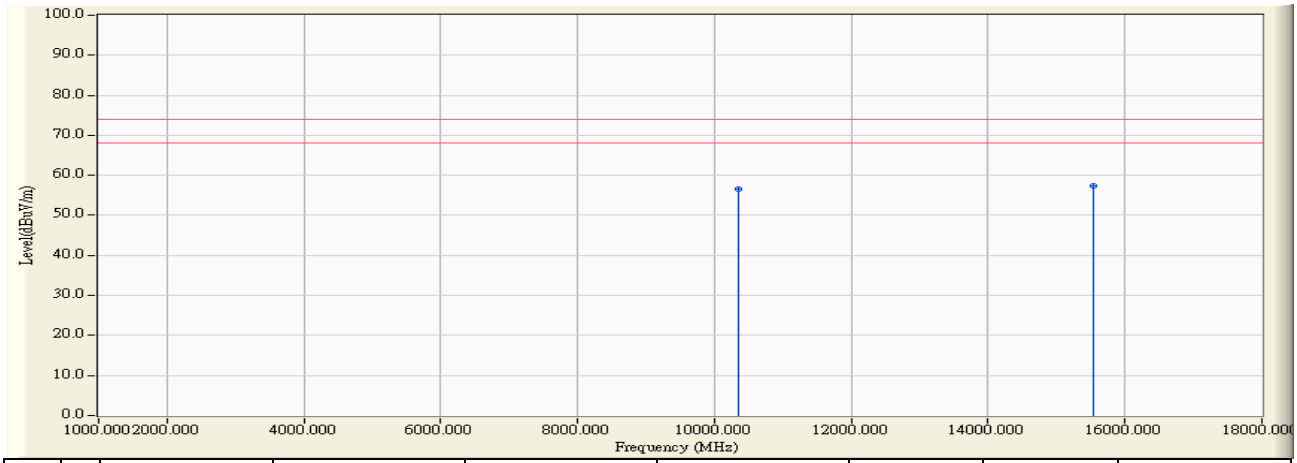


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	15.272	25.770	41.042	-12.958	54.000	AVERAGE
2	*	15540.000	18.014	25.520	43.534	-10.466	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

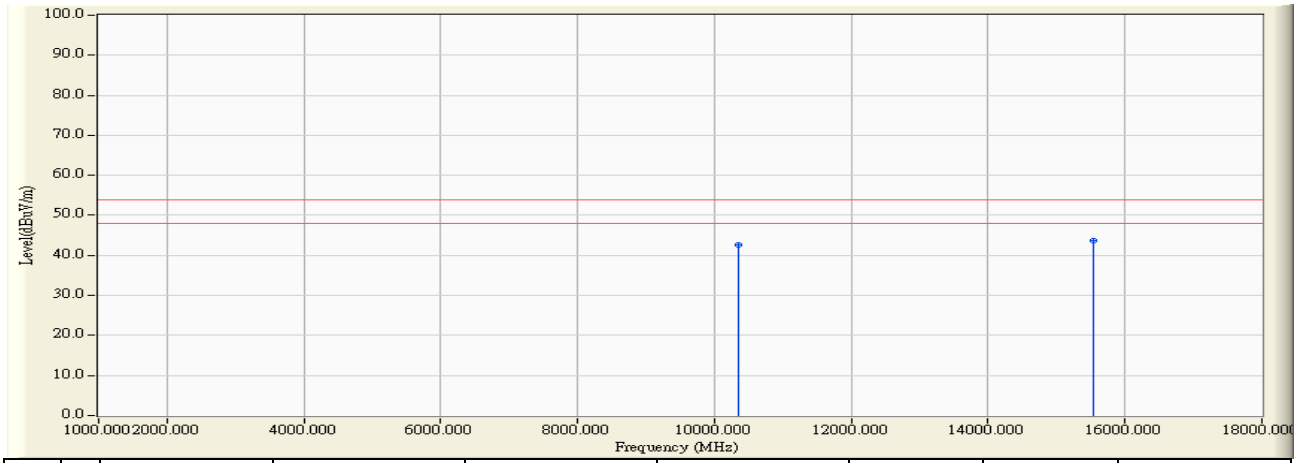


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	15.272	41.240	56.512	-17.488	74.000	PEAK
2	*	15540.000	18.014	39.340	57.354	-16.646	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

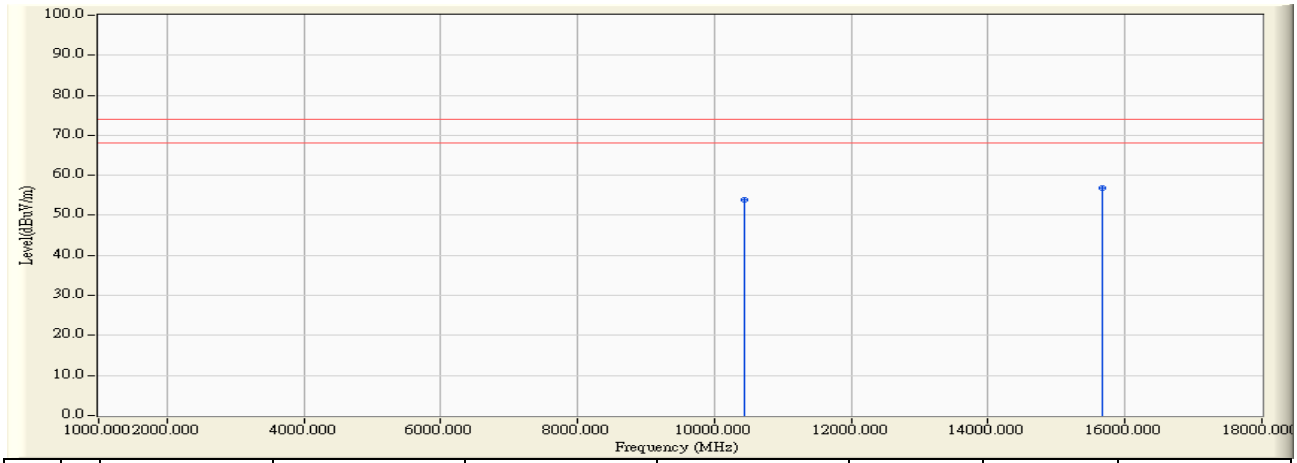


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	15.272	27.460	42.732	-11.268	54.000	AVERAGE
2	*	15540.000	18.014	25.630	43.644	-10.356	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

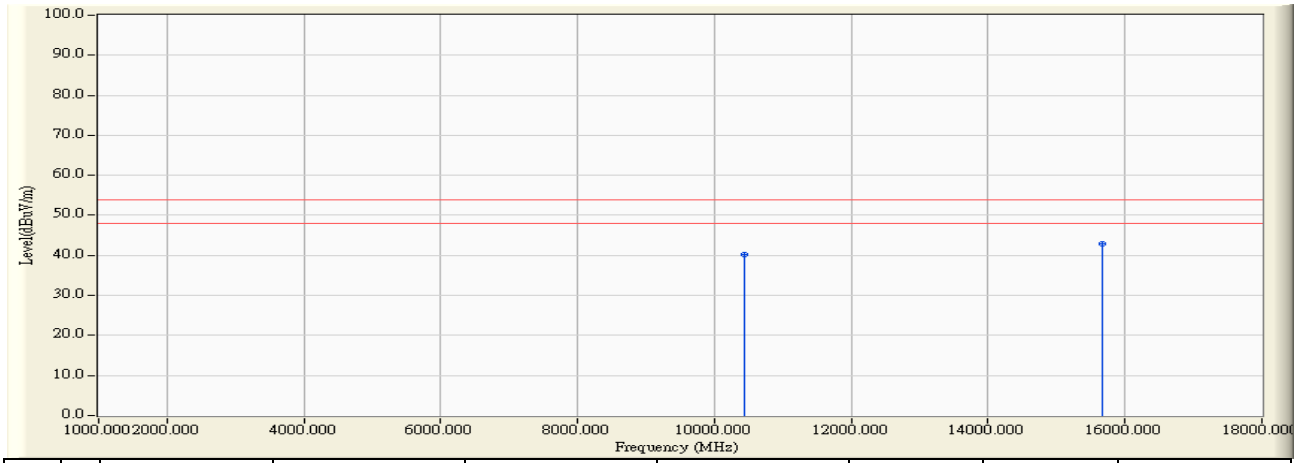


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10440.000	15.445	38.530	53.975	-20.025	74.000	PEAK
2	*	15660.000	17.641	39.070	56.711	-17.289	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

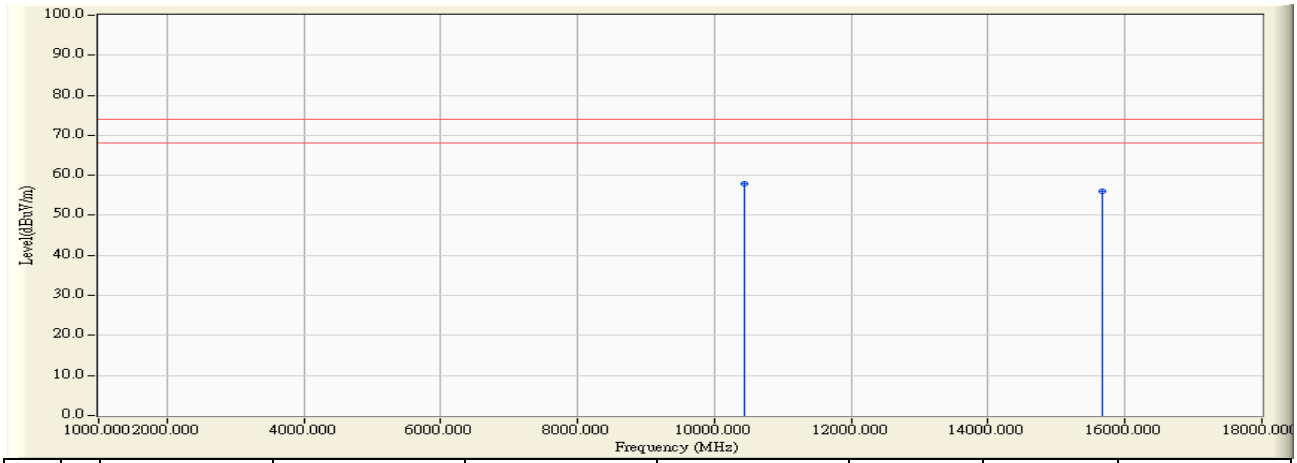


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10440.000	15.445	24.710	40.155	-13.845	54.000	AVERAGE
2	*	15660.000	17.641	25.130	42.771	-11.229	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

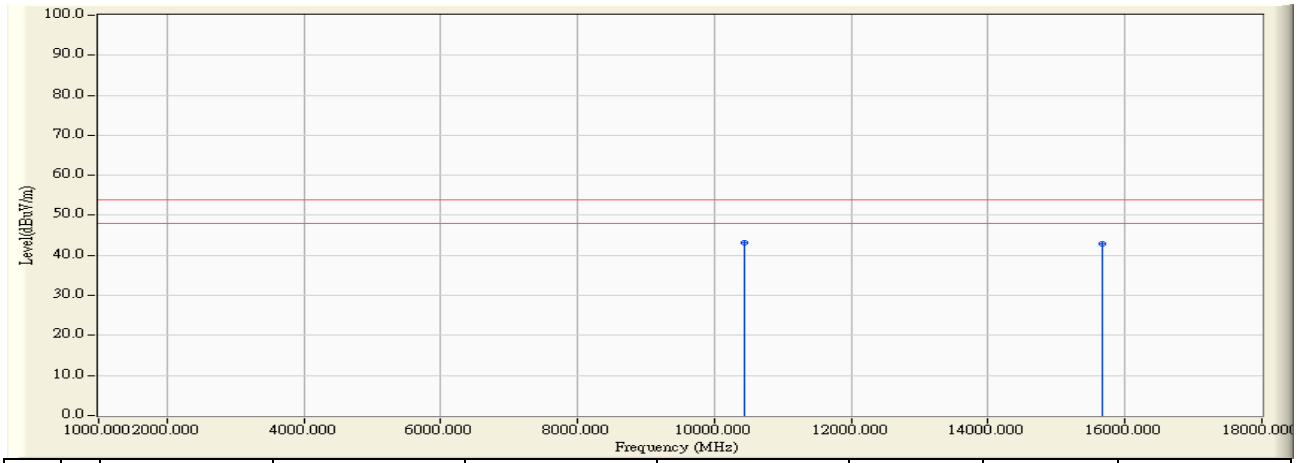


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	15.445	42.330	57.775	-16.225	74.000	PEAK
2		15660.000	17.641	38.480	56.121	-17.879	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

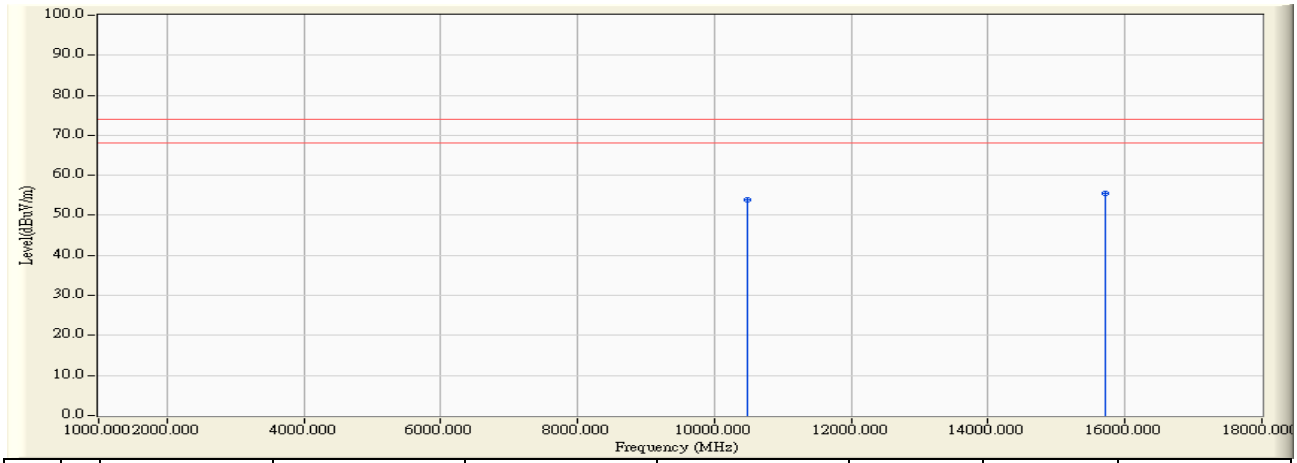


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	15.445	27.670	43.115	-10.885	54.000	AVERAGE
2		15660.000	17.641	25.250	42.891	-11.109	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

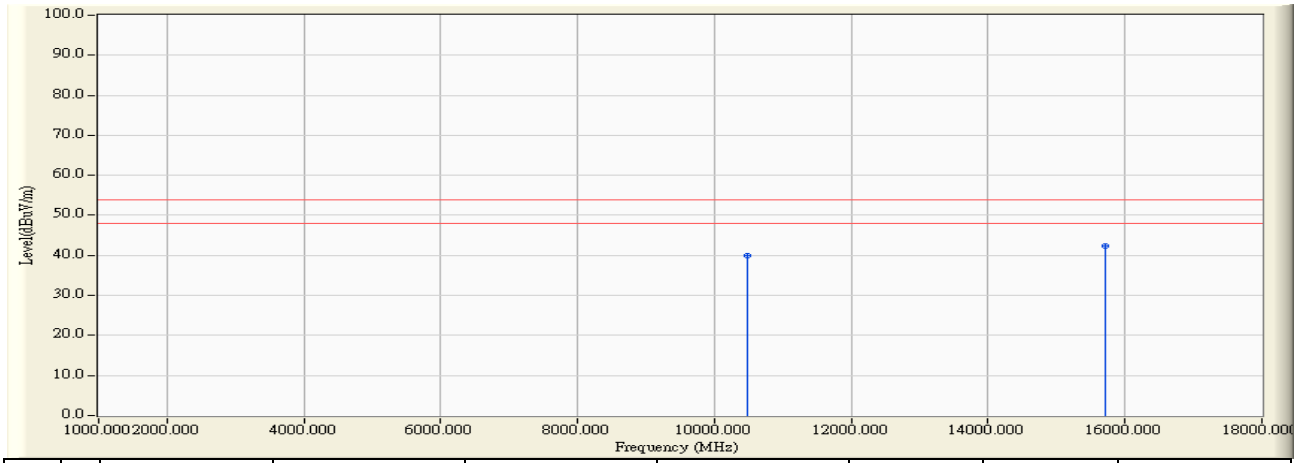


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10480.000	15.335	38.430	53.765	-20.235	74.000	PEAK
2	*	15720.000	17.166	38.320	55.486	-18.514	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

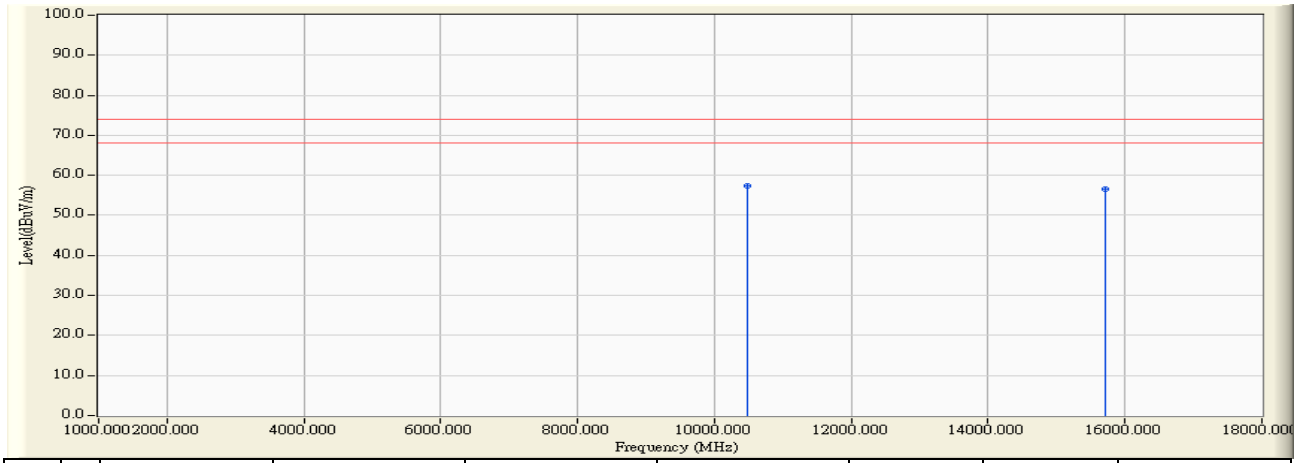


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10480.000	15.335	24.660	39.995	-14.005	54.000	AVERAGE
2	*	15720.000	17.166	25.300	42.466	-11.534	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

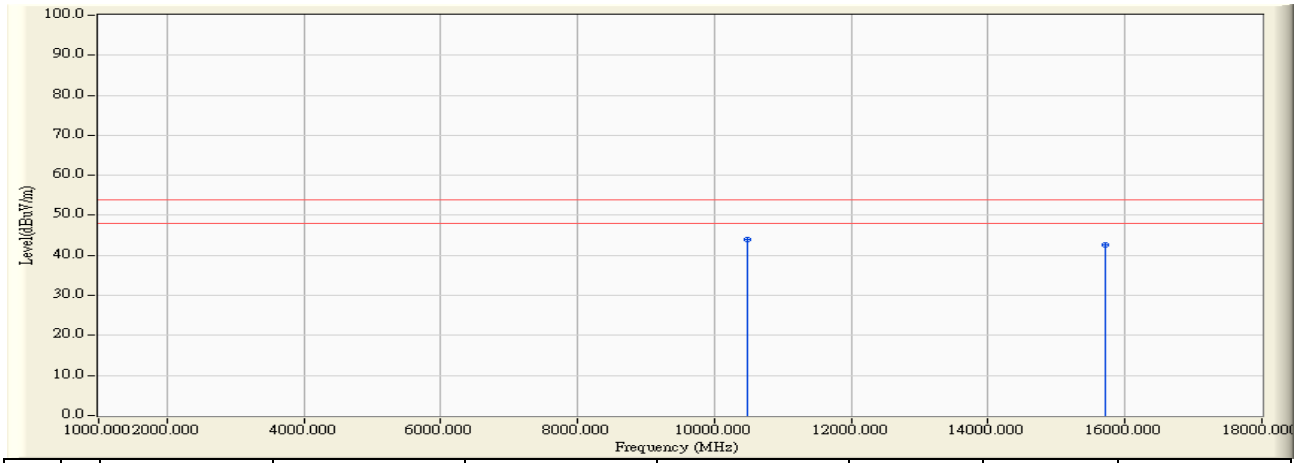


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	15.335	42.160	57.495	-16.505	74.000	PEAK
2		15720.000	17.166	39.340	56.506	-17.494	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

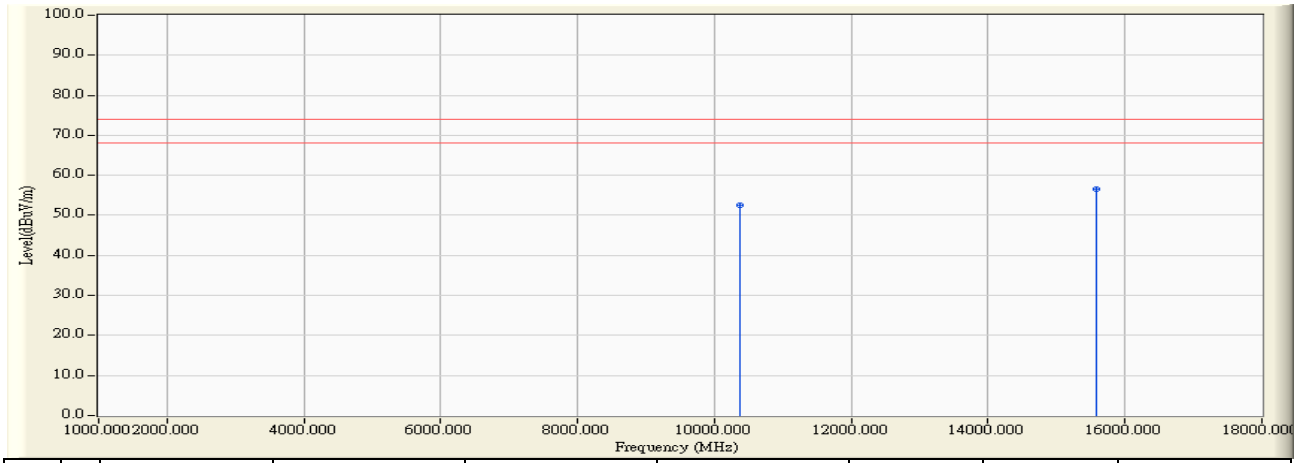


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	15.335	28.700	44.035	-9.965	54.000	AVERAGE
2		15720.000	17.166	25.420	42.586	-11.414	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

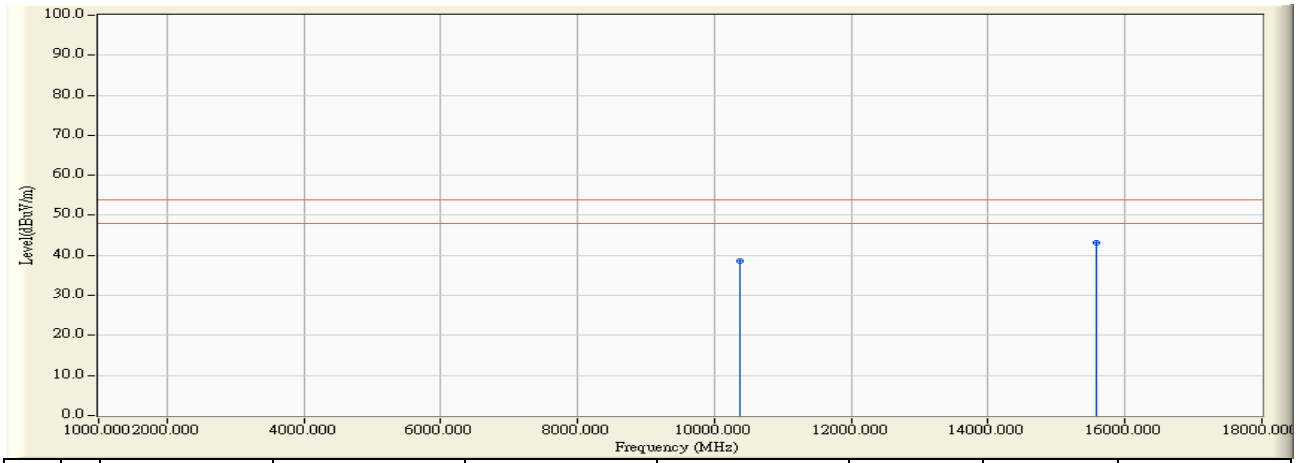


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10380.000	15.260	37.230	52.490	-21.510	74.000	PEAK
2	*	15570.000	17.480	39.050	56.529	-17.471	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

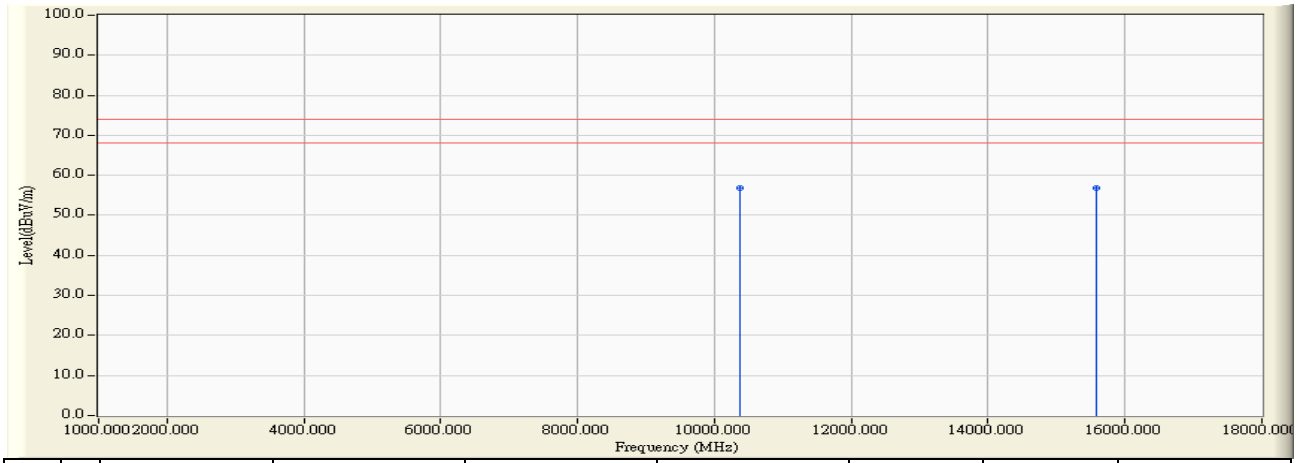


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10380.000	15.260	23.340	38.600	-15.400	54.000	AVERAGE
2	*	15570.000	17.480	25.600	43.079	-10.921	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

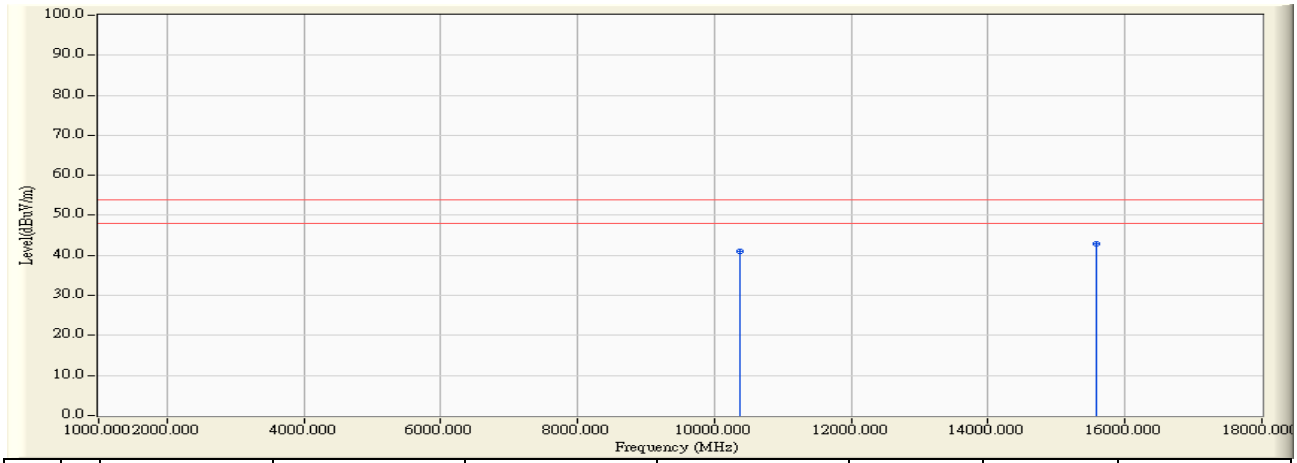


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10380.000	15.260	41.460	56.720	-17.280	74.000	PEAK
2	*	15570.000	17.480	39.330	56.809	-17.191	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

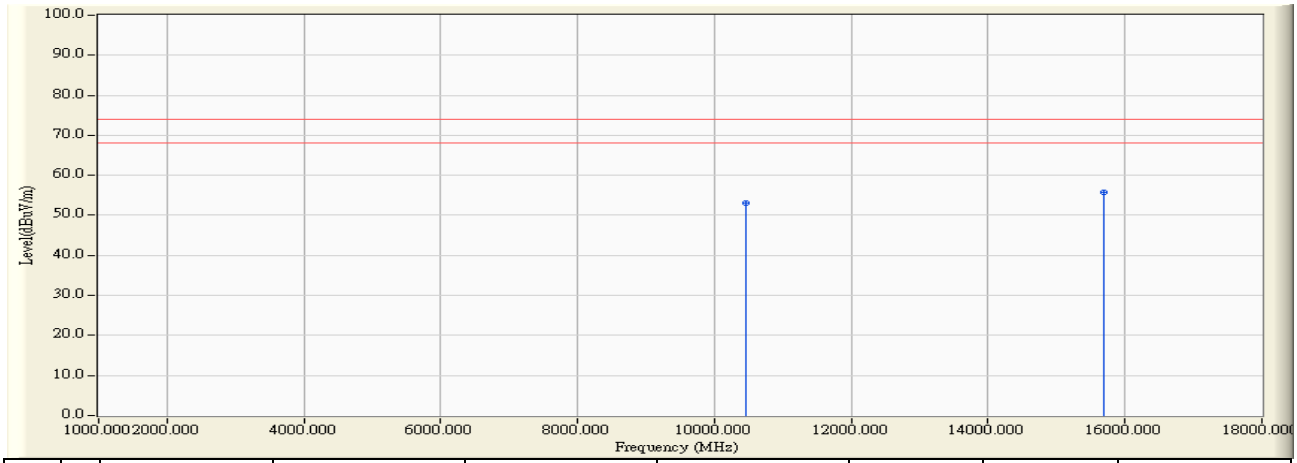


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10380.000	15.260	25.740	41.000	-13.000	54.000	AVERAGE
2	*	15570.000	17.480	25.550	43.029	-10.971	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

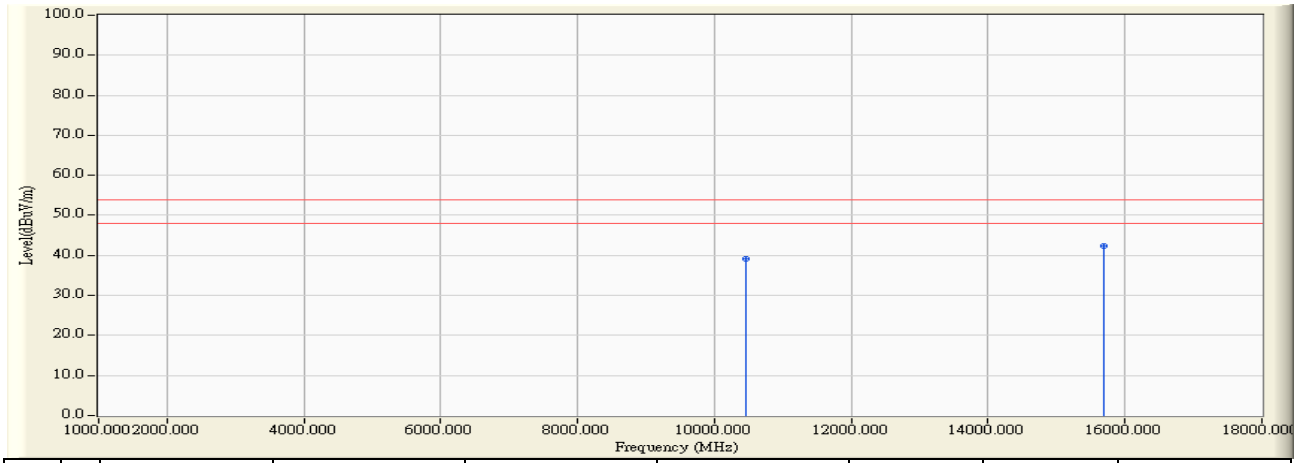


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10460.000	15.414	37.770	53.184	-20.816	74.000	PEAK
2	*	15690.000	17.302	38.520	55.822	-18.178	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

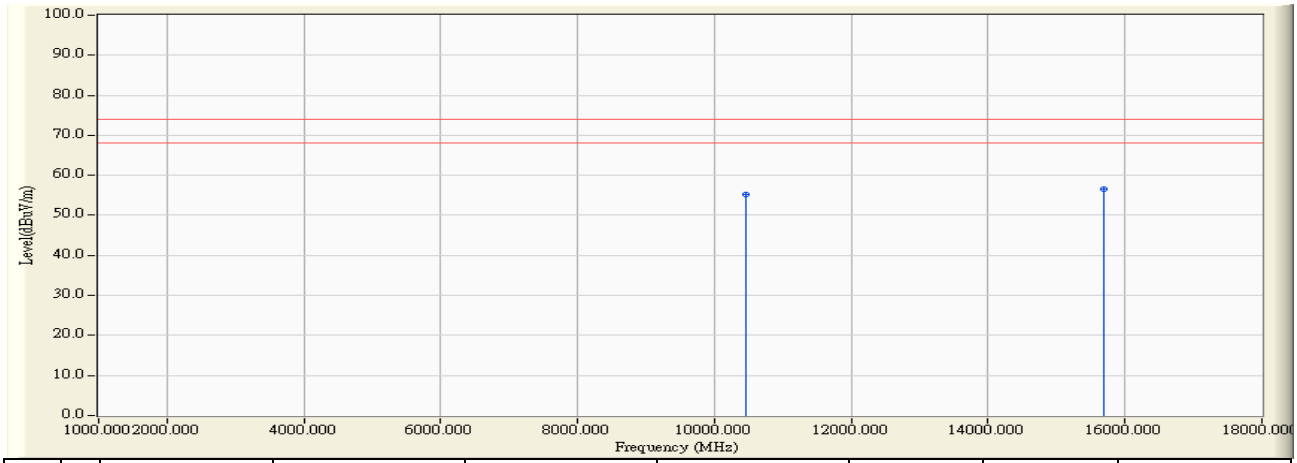


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10460.000	15.414	23.760	39.174	-14.826	54.000	AVERAGE
2	*	15690.000	17.302	25.180	42.482	-11.518	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

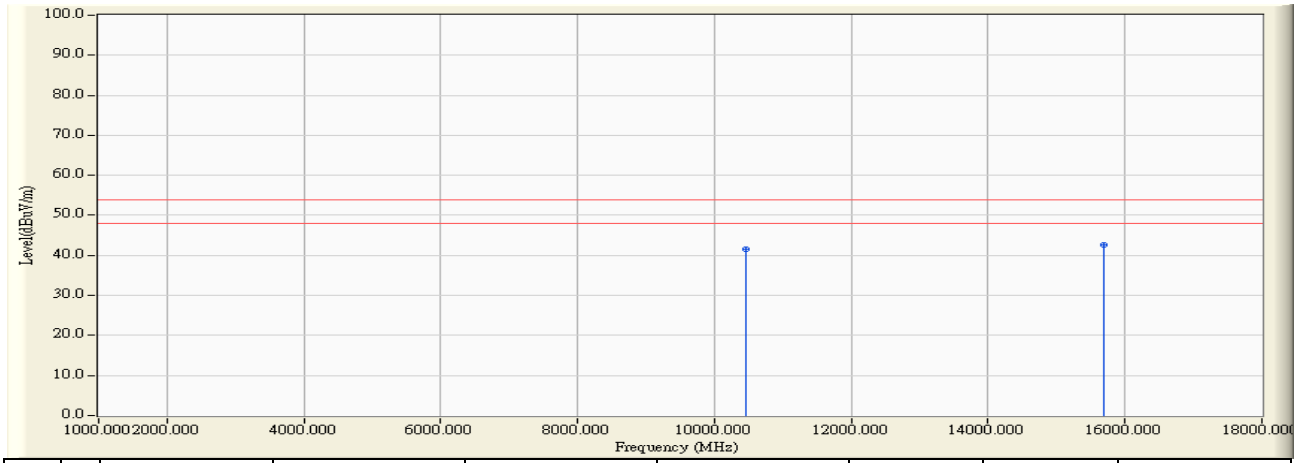


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10460.000	15.414	39.930	55.344	-18.656	74.000	PEAK
2	*	15690.000	17.302	39.270	56.572	-17.428	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

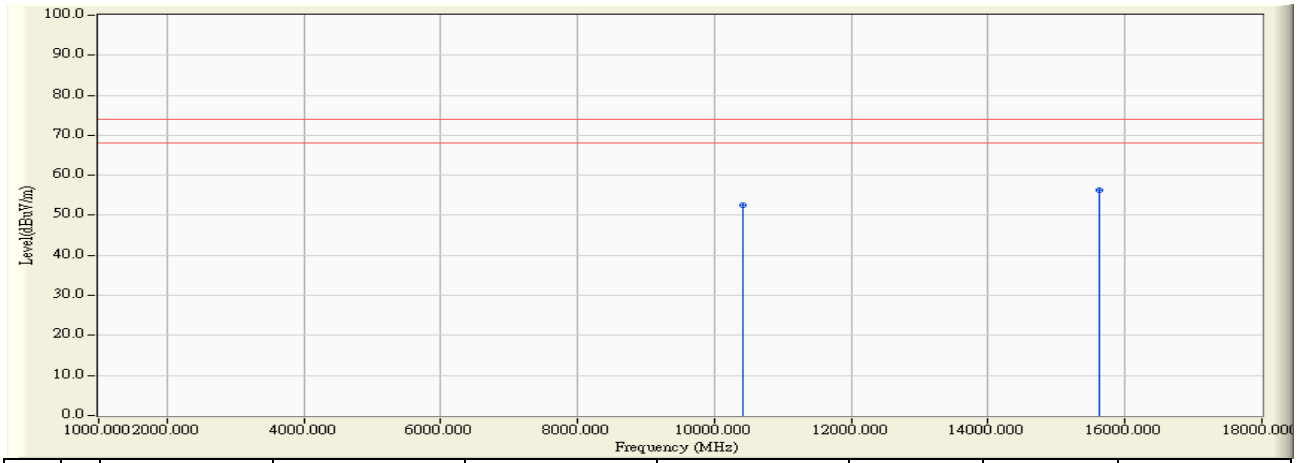


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10460.000	15.414	26.100	41.514	-12.486	54.000	AVERAGE
2	*	15690.000	17.302	25.400	42.702	-11.298	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

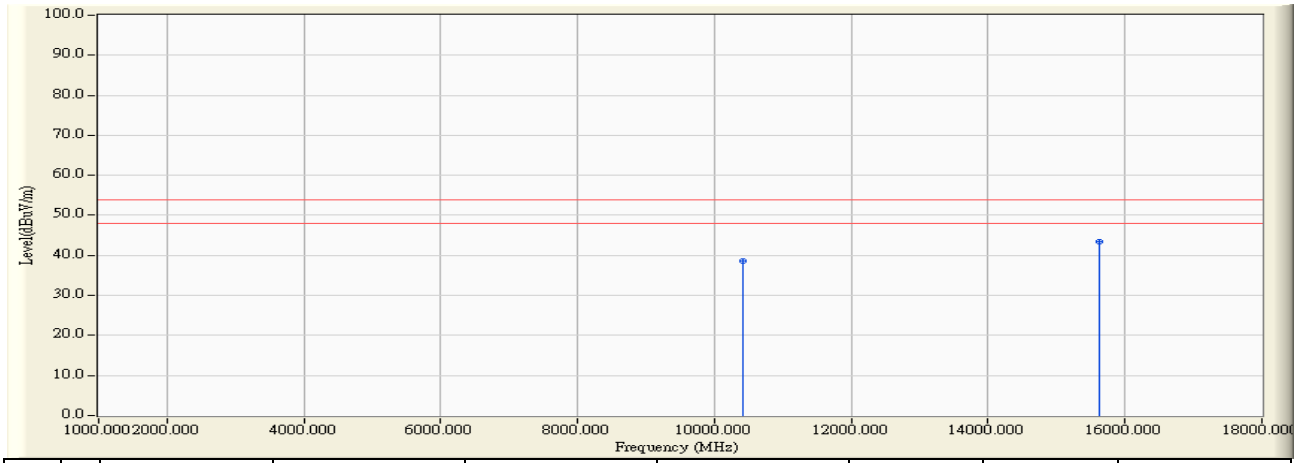


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10420.000	15.323	37.100	52.423	-21.577	74.000	PEAK
2	*	15630.000	17.832	38.520	56.352	-17.648	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

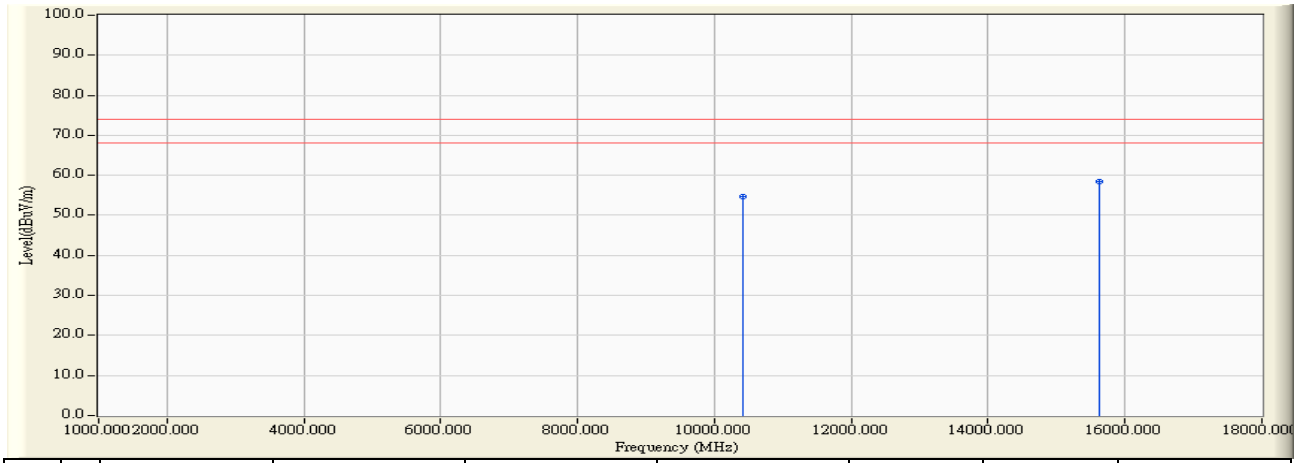


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10420.000	15.323	23.330	38.653	-15.347	54.000	AVERAGE
2	*	15630.000	17.832	25.510	43.342	-10.658	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

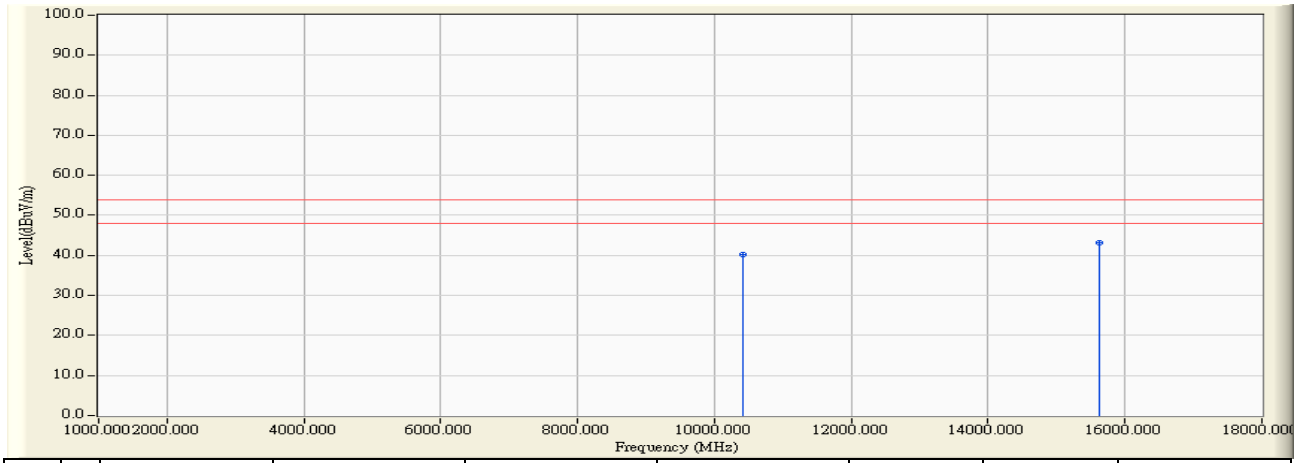


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10420.000	15.323	39.390	54.713	-19.287	74.000	PEAK
2	*	15630.000	17.832	40.530	58.362	-15.638	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

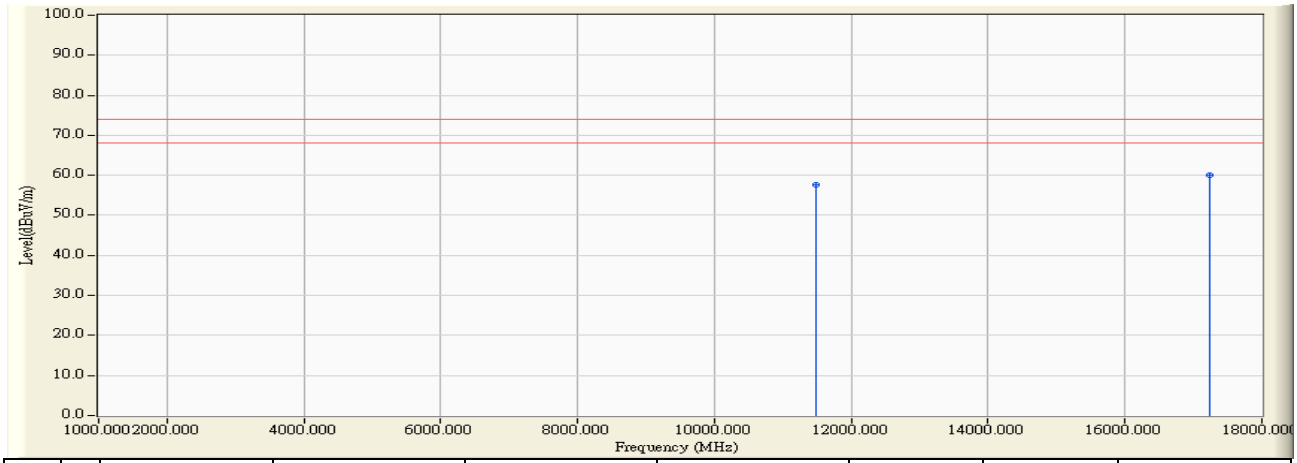


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10420.000	15.323	24.760	40.083	-13.917	54.000	AVERAGE
2	*	15630.000	17.832	25.460	43.292	-10.708	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5745MHz**

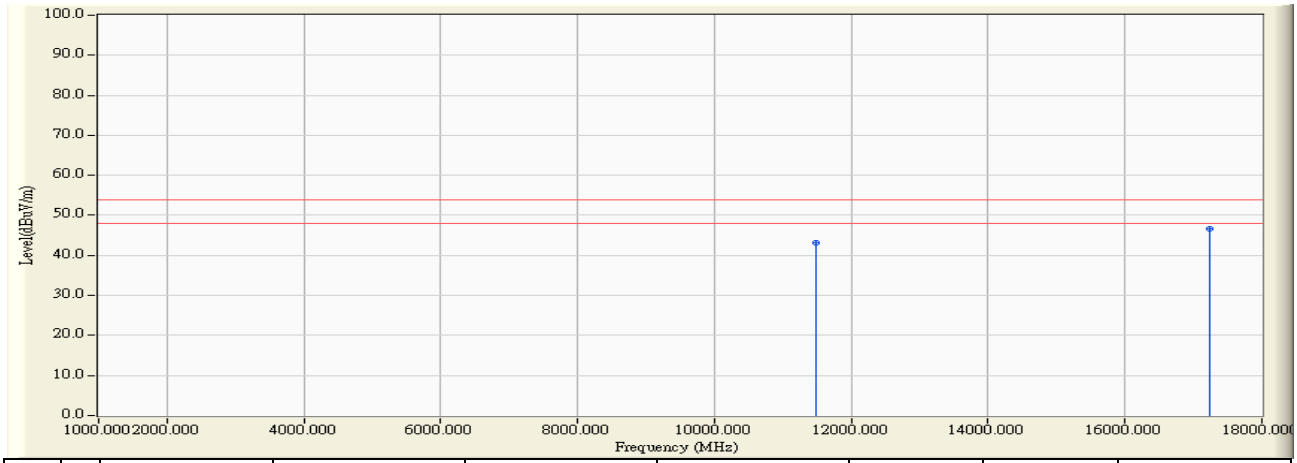


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	39.810	57.765	-16.235	74.000	PEAK
2	*	17235.000	21.486	38.660	60.146	-13.854	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5745MHz**

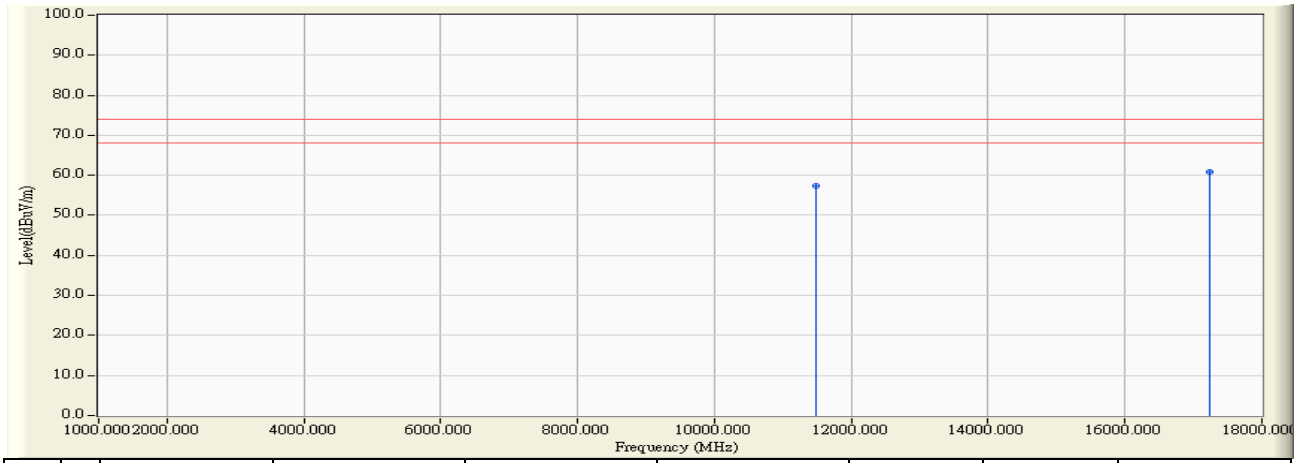


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	25.180	43.135	-10.865	54.000	AVERAGE
2	*	17235.000	21.486	25.150	46.636	-7.364	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5745MHz**

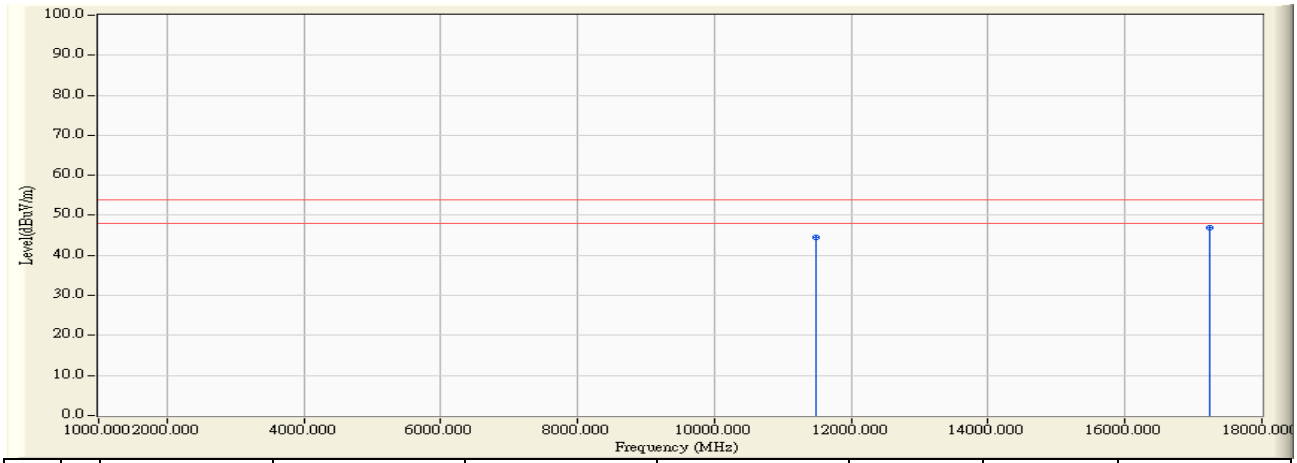


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	39.500	57.455	-16.545	74.000	PEAK
2	*	17235.000	21.486	39.270	60.756	-13.244	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5745MHz**

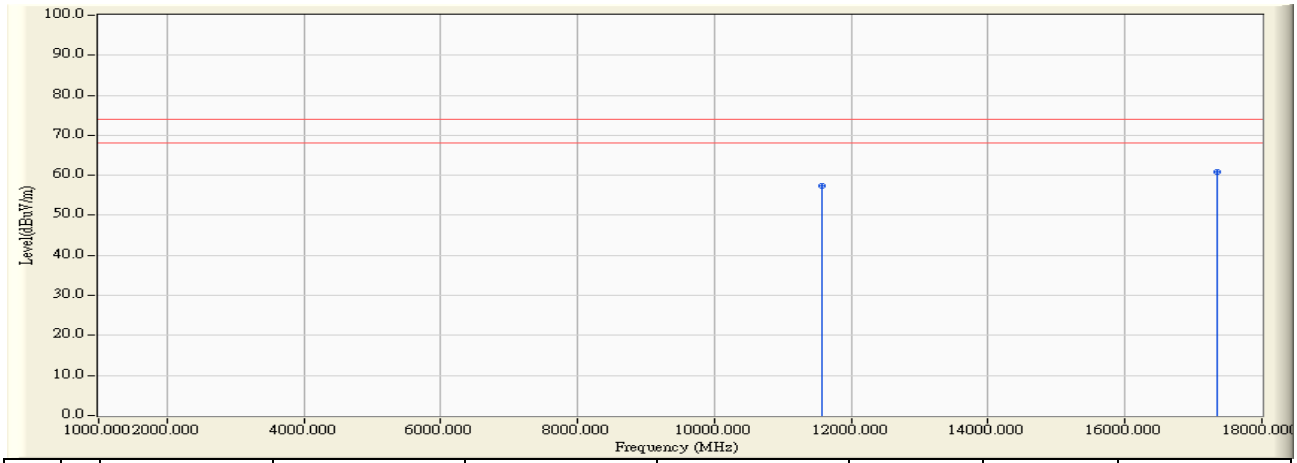


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	26.520	44.475	-9.525	54.000	AVERAGE
2	*	17235.000	21.486	25.310	46.796	-7.204	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

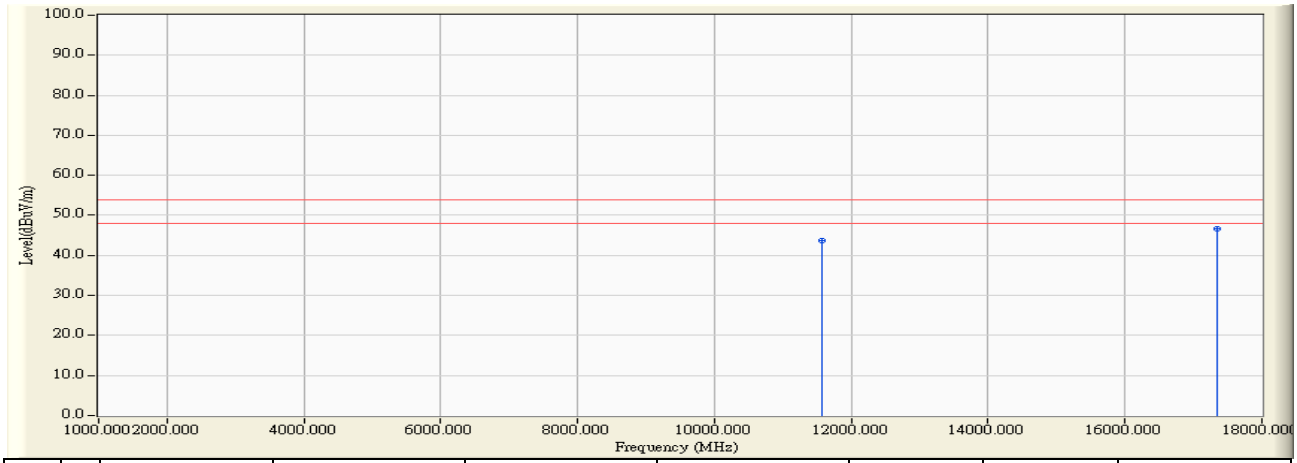


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	39.510	57.455	-16.545	74.000	PEAK
2	*	17355.000	21.808	38.980	60.788	-13.212	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

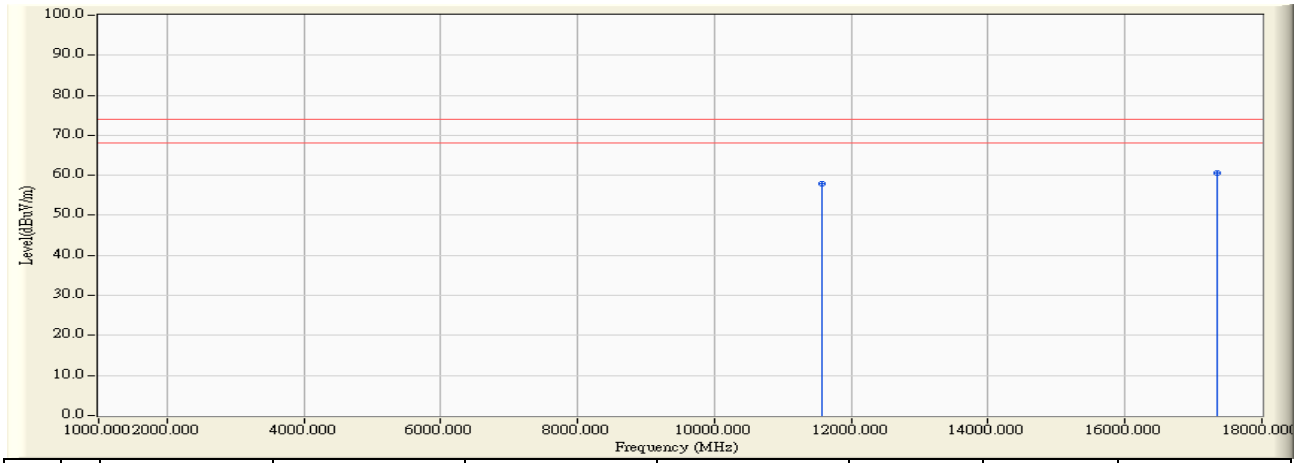


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	25.830	43.775	-10.225	54.000	AVERAGE
2	*	17355.000	21.808	24.800	46.608	-7.392	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

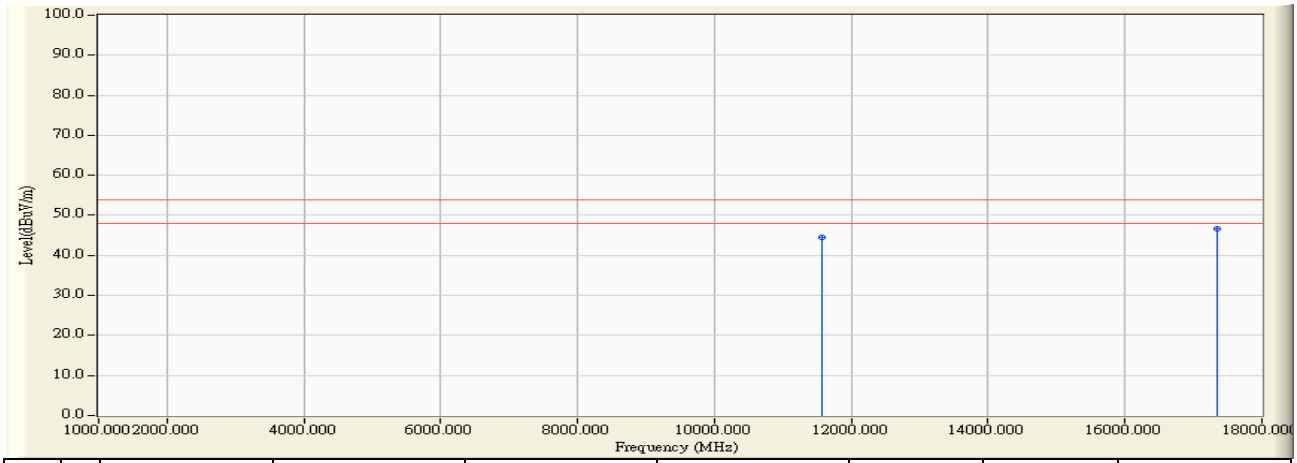


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	40.090	58.035	-15.965	74.000	PEAK
2	*	17355.000	21.808	38.750	60.558	-13.442	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

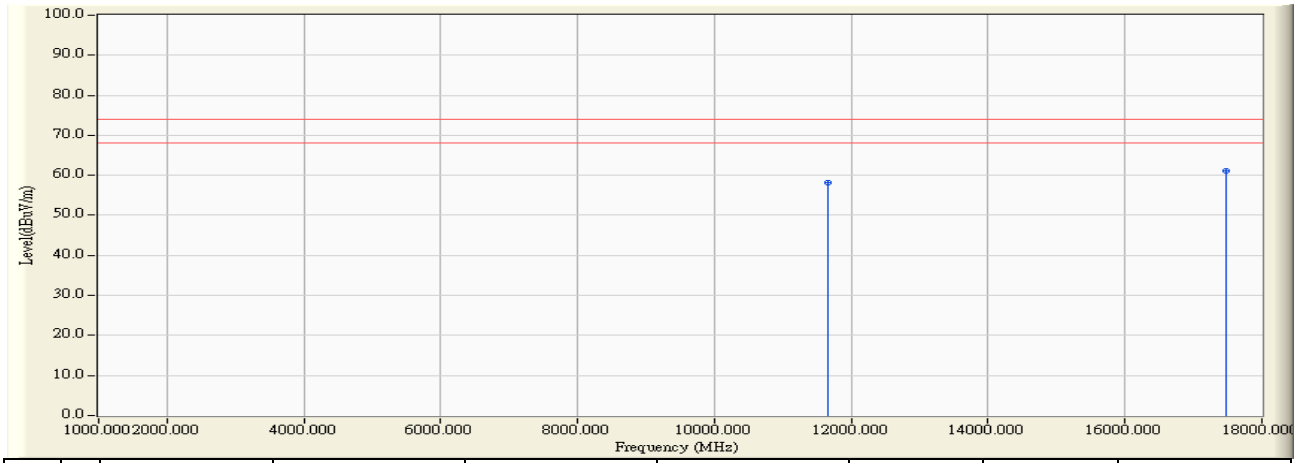


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	26.440	44.385	-9.615	54.000	AVERAGE
2	*	17355.000	21.808	24.770	46.578	-7.422	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5825MHz**

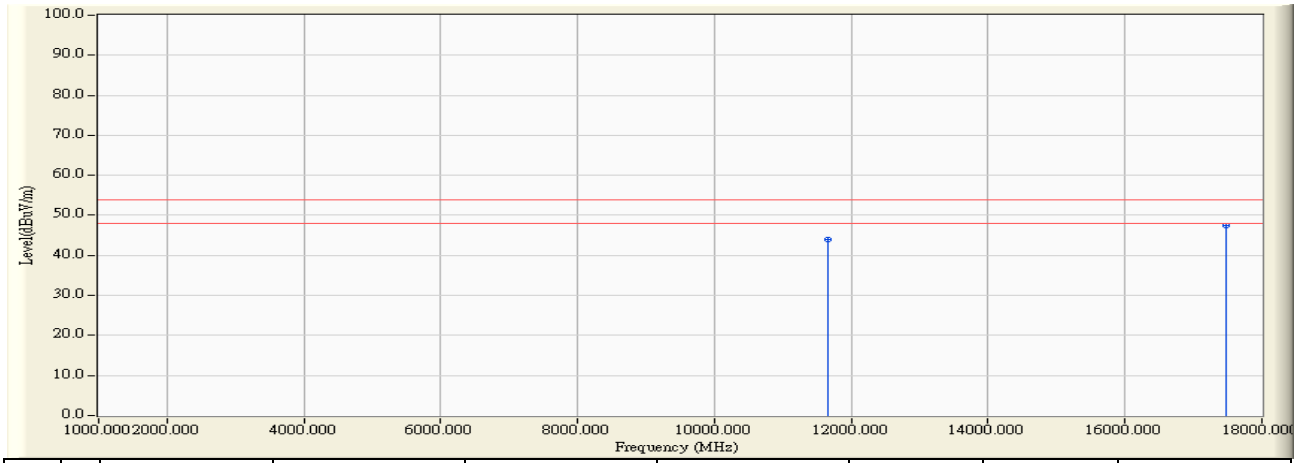


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	40.330	58.266	-15.734	74.000	PEAK
2	*	17475.000	21.956	39.280	61.236	-12.764	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5825MHz**

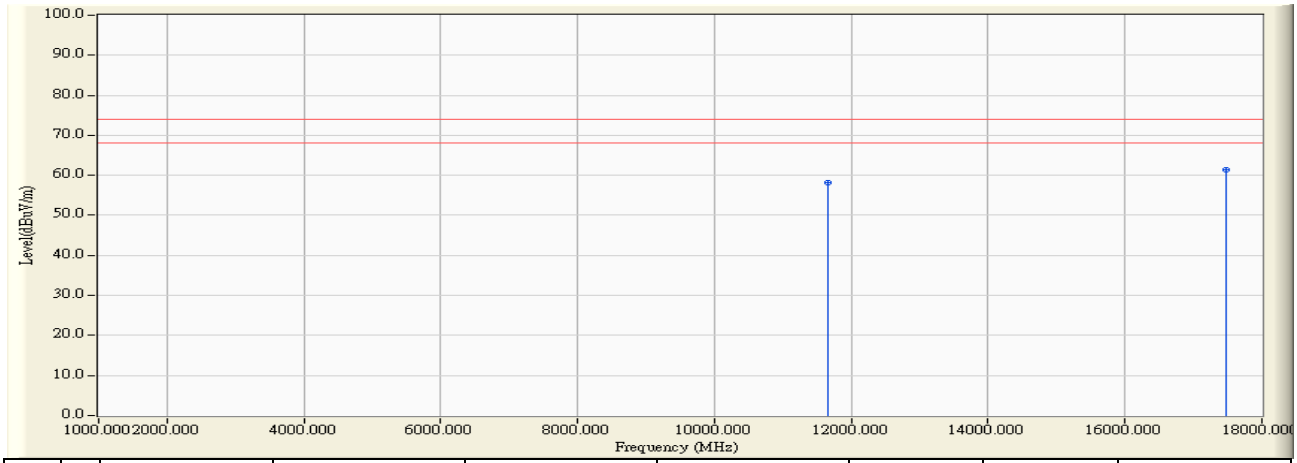


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	25.960	43.896	-10.104	54.000	AVERAGE
2	*	17475.000	21.956	25.370	47.326	-6.674	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5825MHz**

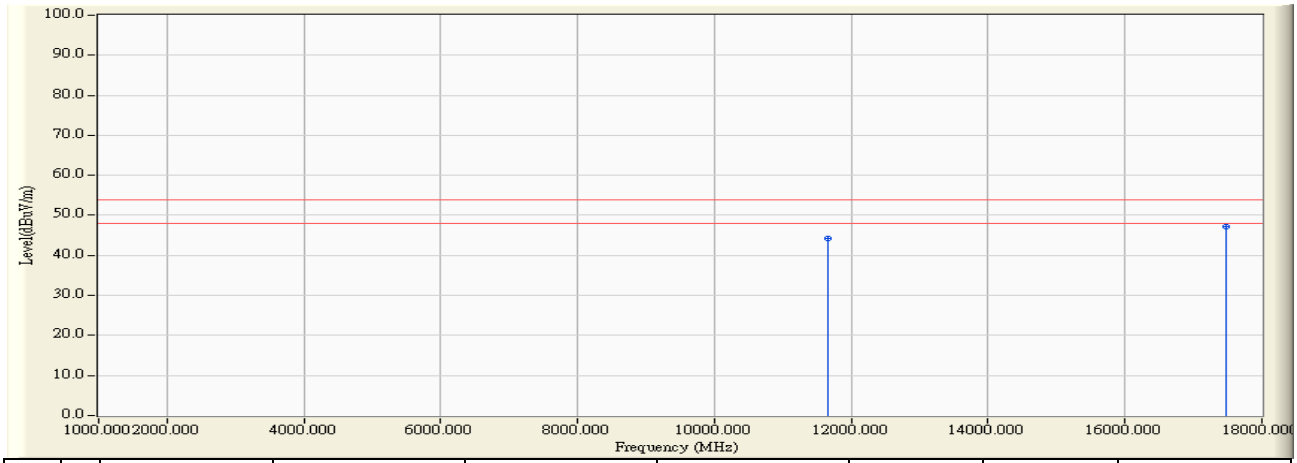


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	40.220	58.156	-15.844	74.000	PEAK
2	*	17475.000	21.956	39.560	61.516	-12.484	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5825MHz**

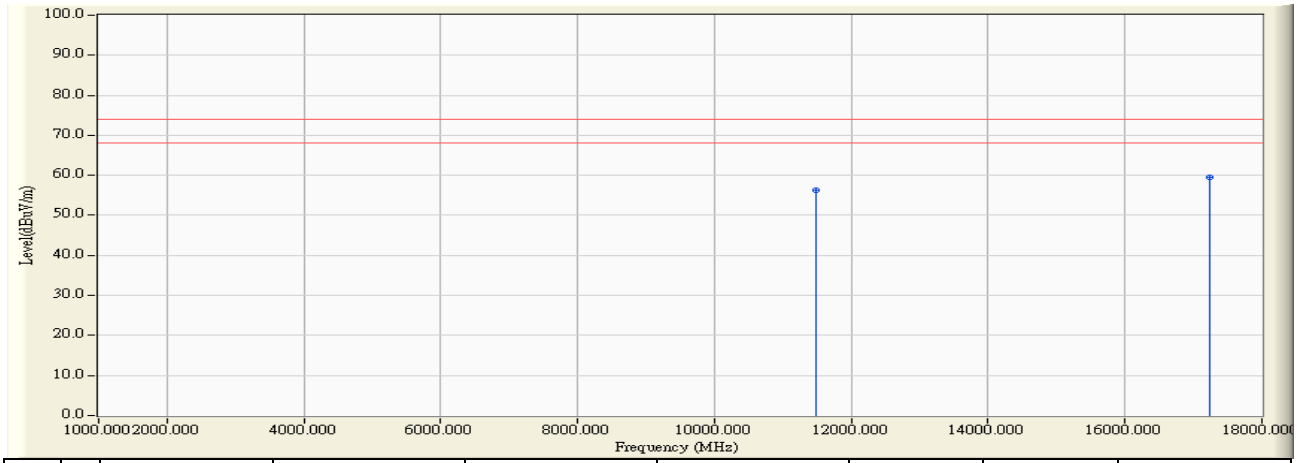


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	26.390	44.326	-9.674	54.000	AVERAGE
2	*	17475.000	21.956	25.310	47.266	-6.734	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5745MHz**

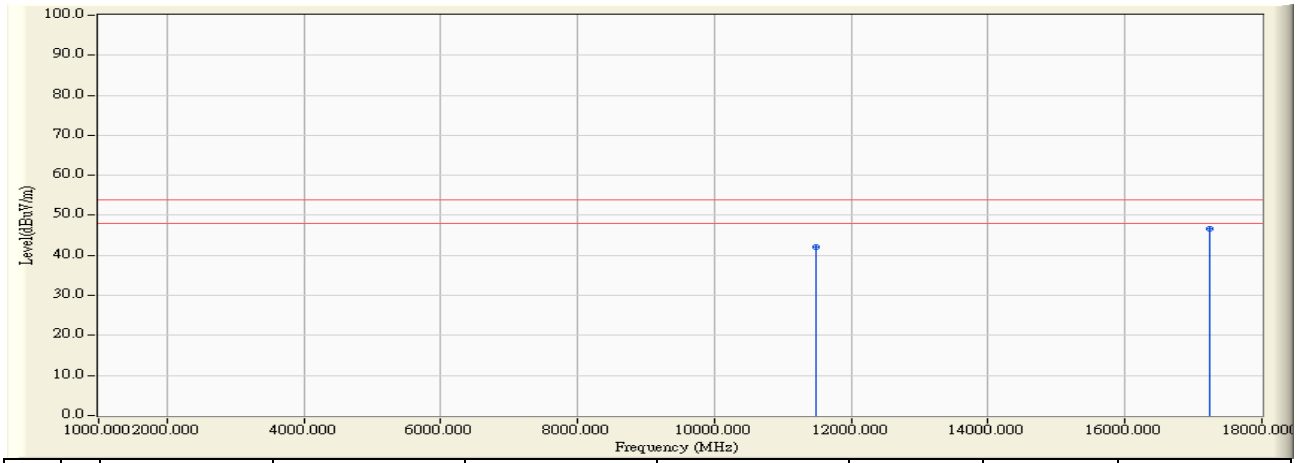


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	38.260	56.215	-17.785	74.000	PEAK
2	*	17235.000	21.486	38.120	59.606	-14.394	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5745MHz**

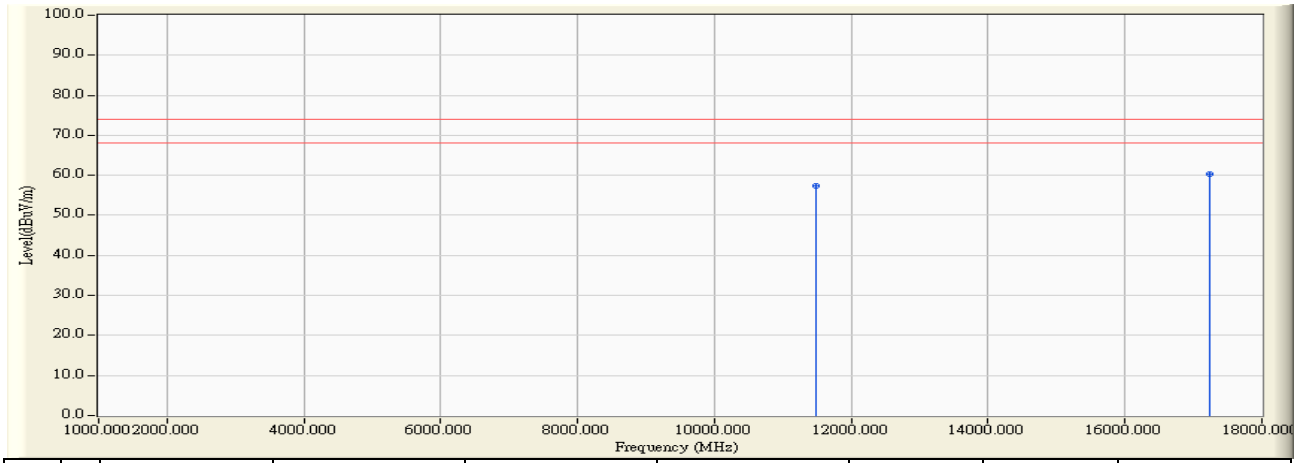


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	24.220	42.175	-11.825	54.000	AVERAGE
2	*	17235.000	21.486	25.150	46.636	-7.364	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5745MHz**

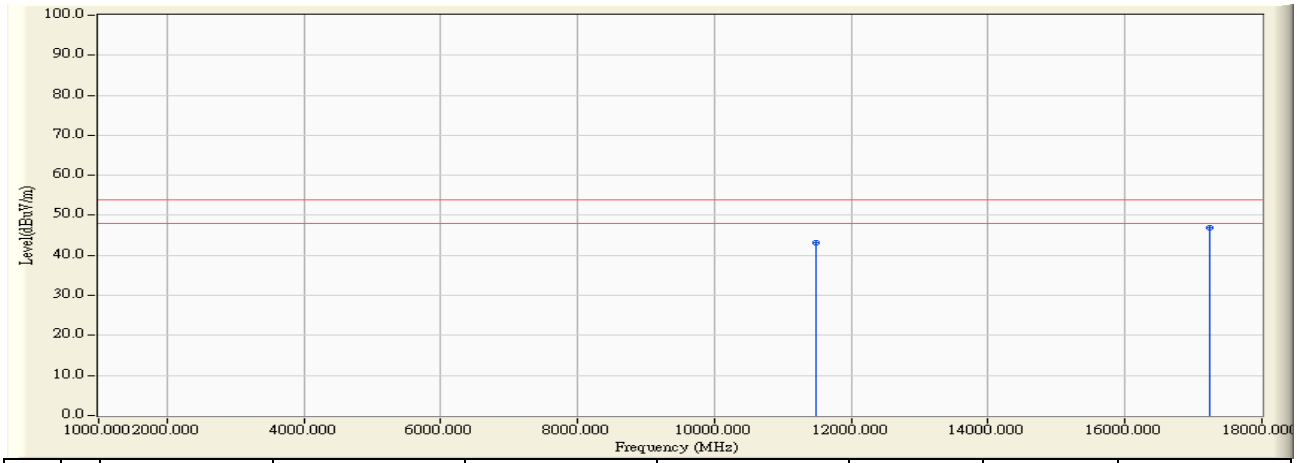


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	39.330	57.285	-16.715	74.000	PEAK
2	*	17235.000	21.486	38.760	60.246	-13.754	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5745MHz**

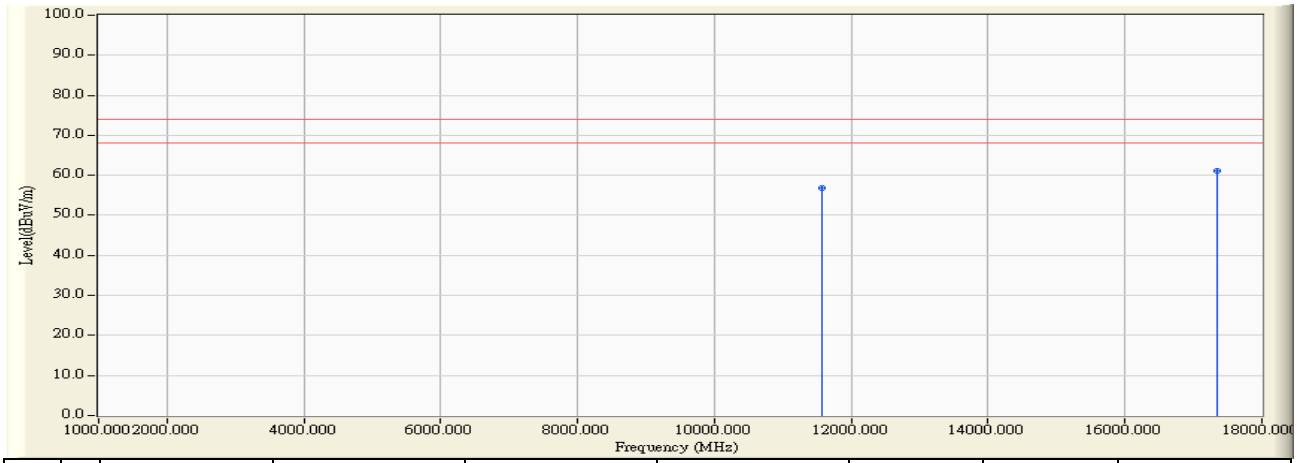


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11490.000	17.954	25.320	43.275	-10.725	54.000	AVERAGE
2	*	17235.000	21.486	25.380	46.866	-7.134	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

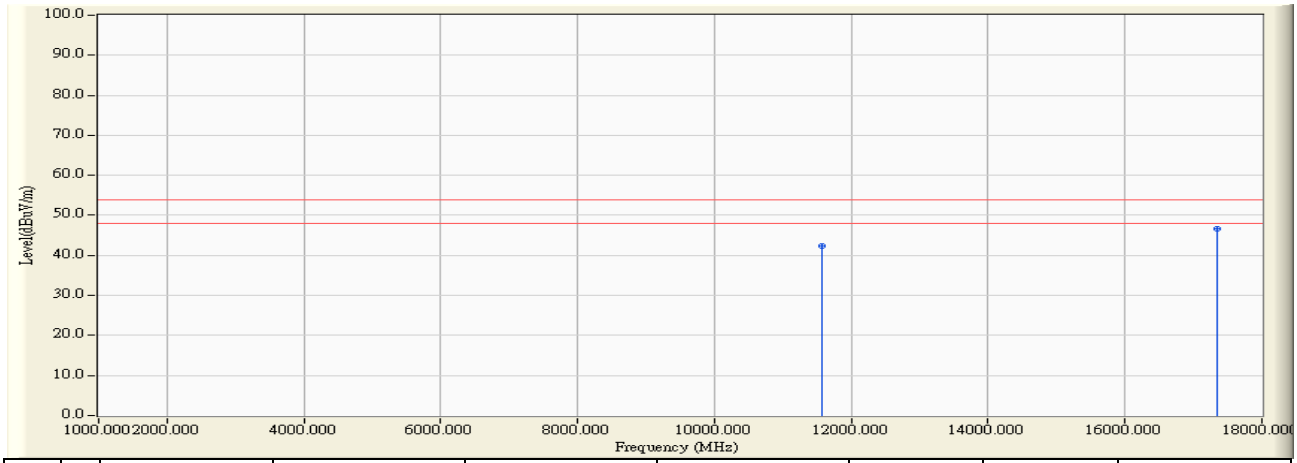


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	38.870	56.815	-17.185	74.000	PEAK
2	*	17355.000	21.808	39.300	61.108	-12.892	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

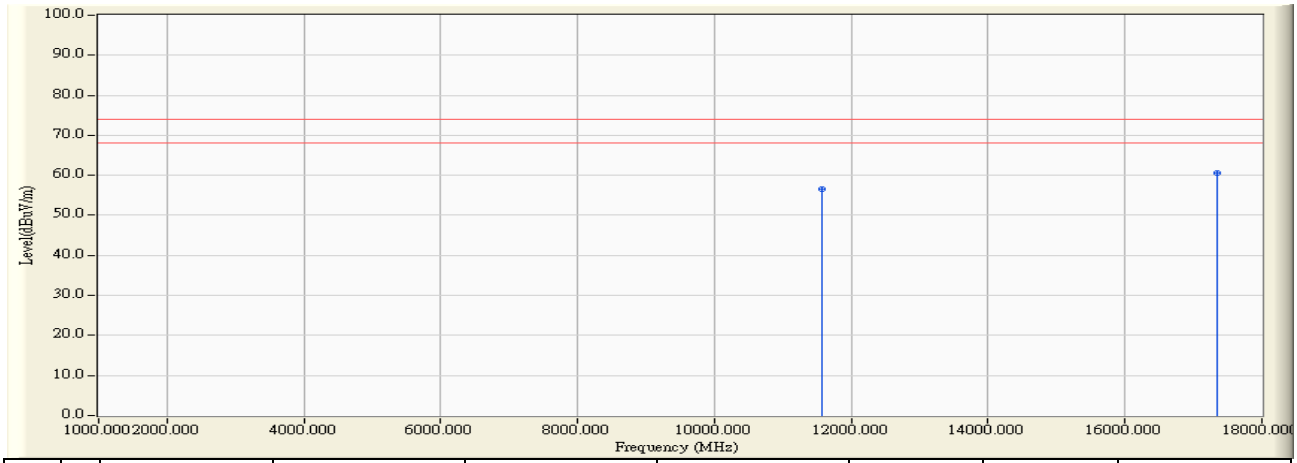


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	24.440	42.385	-11.615	54.000	AVERAGE
2	*	17355.000	21.808	24.850	46.658	-7.342	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

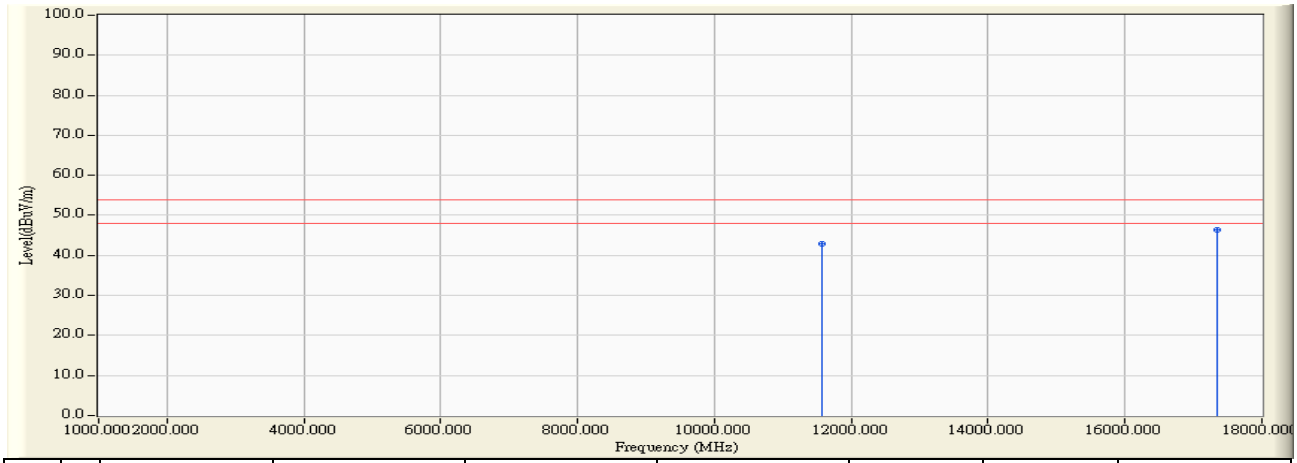


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	38.630	56.575	-17.425	74.000	PEAK
2	*	17355.000	21.808	38.660	60.468	-13.532	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

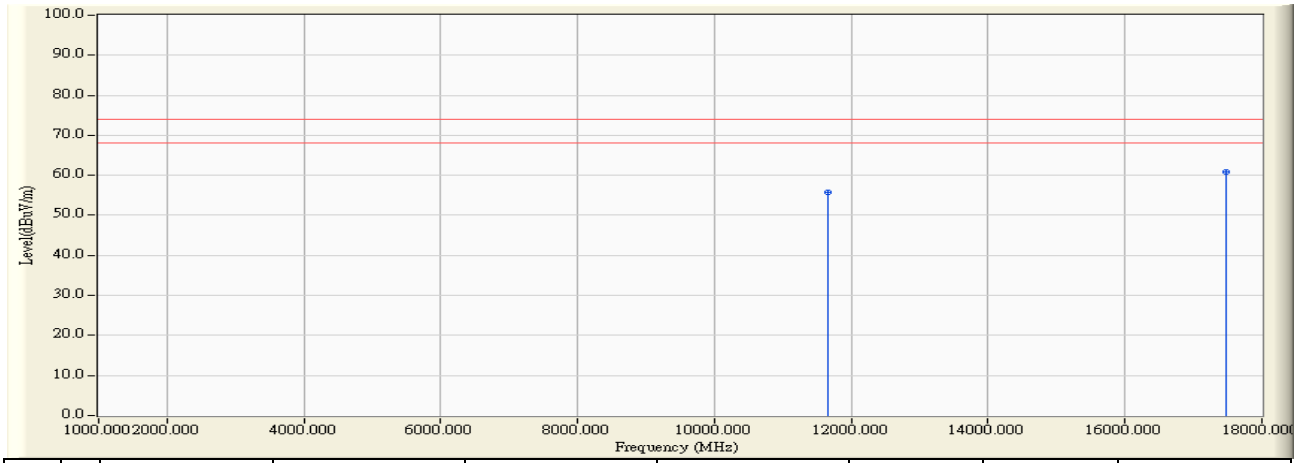


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11570.000	17.945	24.900	42.845	-11.155	54.000	AVERAGE
2	*	17355.000	21.808	24.680	46.488	-7.512	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5825MHz**

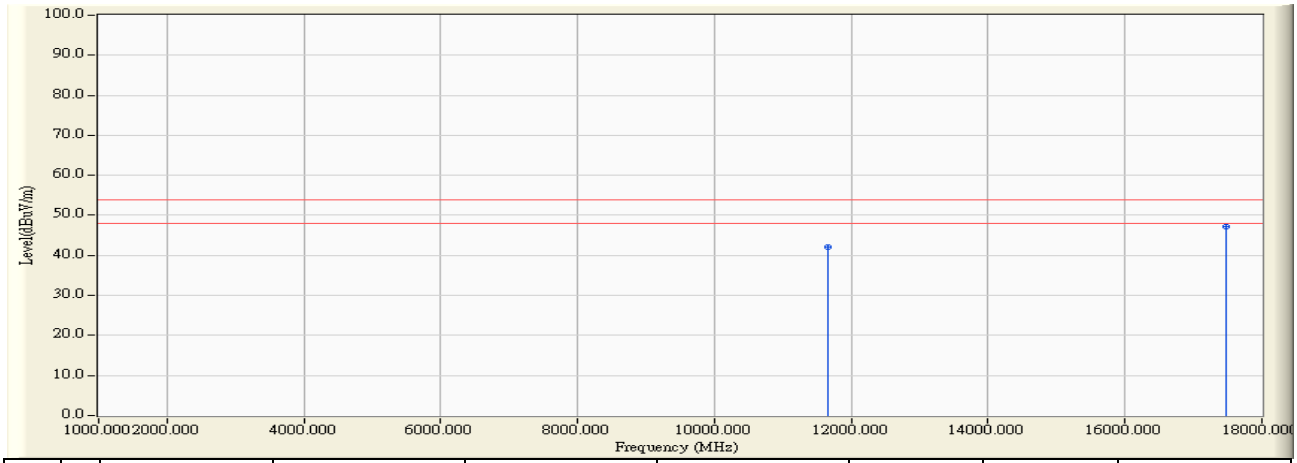


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	37.800	55.736	-18.264	74.000	PEAK
2	*	17475.000	21.956	38.900	60.856	-13.144	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5825MHz**

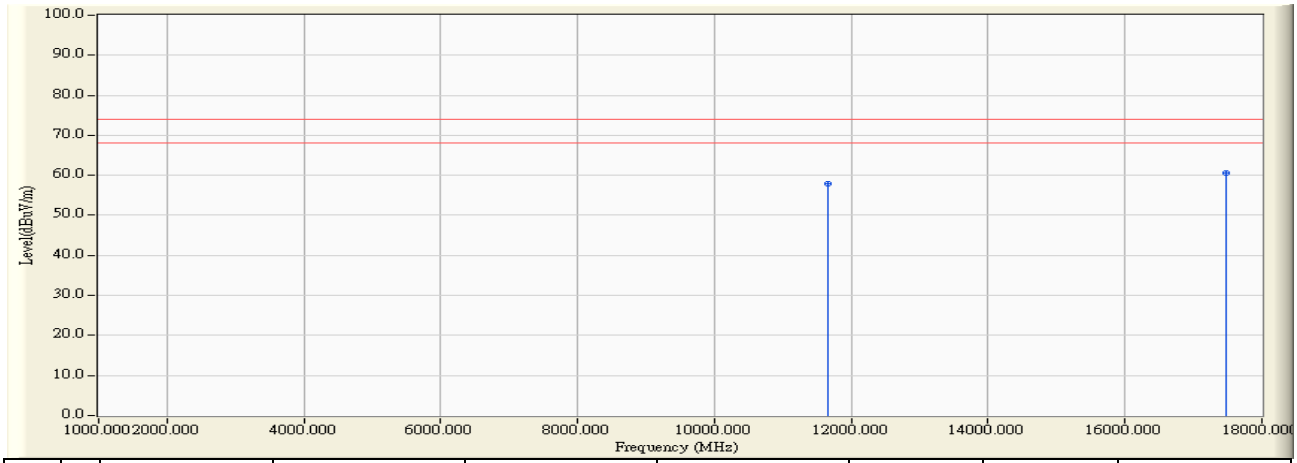


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	24.270	42.206	-11.794	54.000	AVERAGE
2	*	17475.000	21.956	25.280	47.236	-6.764	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5825MHz**

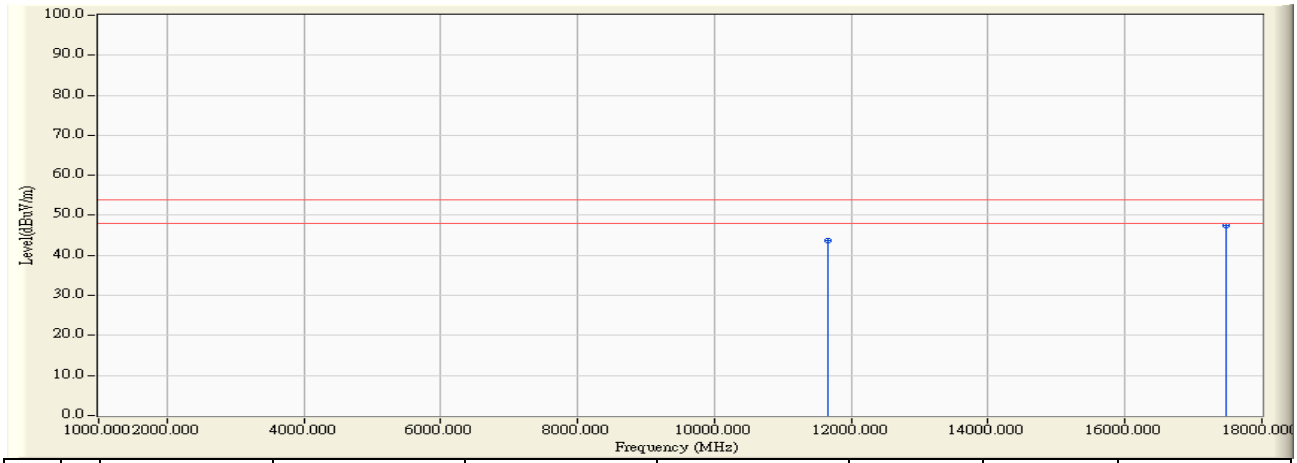


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	39.920	57.856	-16.144	74.000	PEAK
2	*	17475.000	21.956	38.500	60.456	-13.544	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5825MHz**

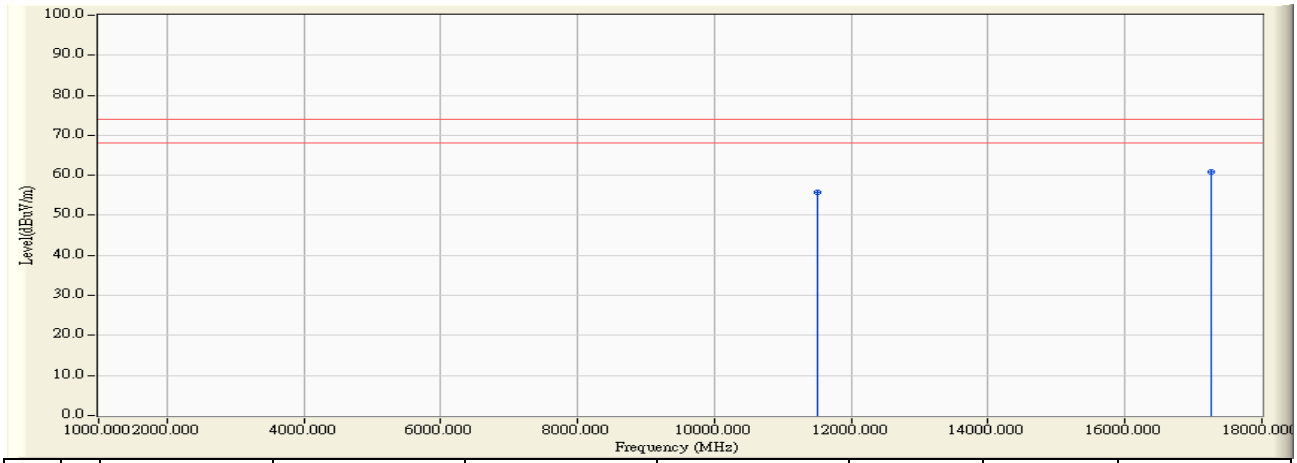


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.000	17.936	25.840	43.776	-10.224	54.000	AVERAGE
2	*	17475.000	21.956	25.370	47.326	-6.674	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

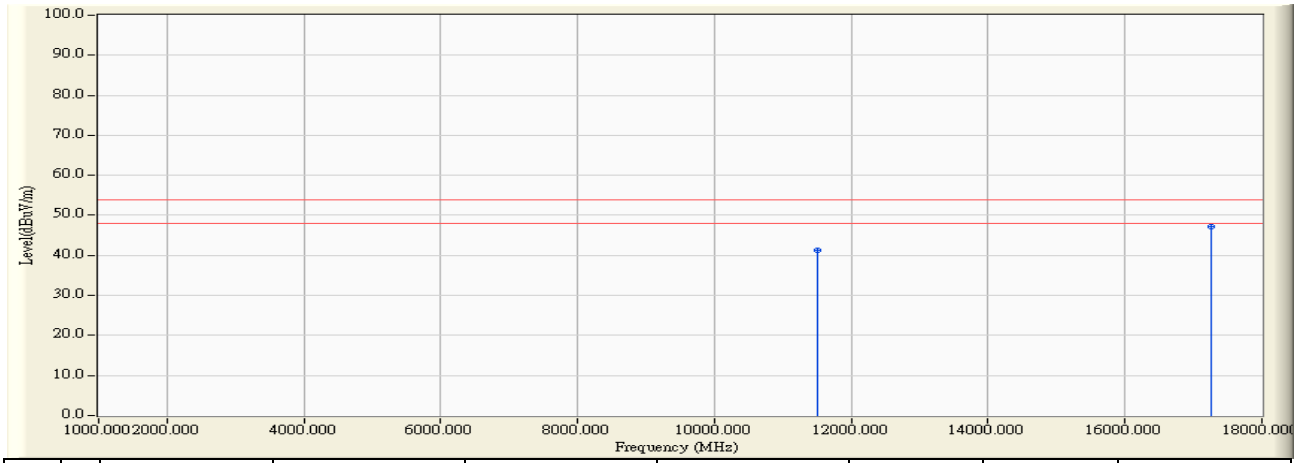


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11510.000	17.977	37.720	55.697	-18.303	74.000	PEAK
2	*	17265.000	22.035	38.730	60.764	-13.236	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

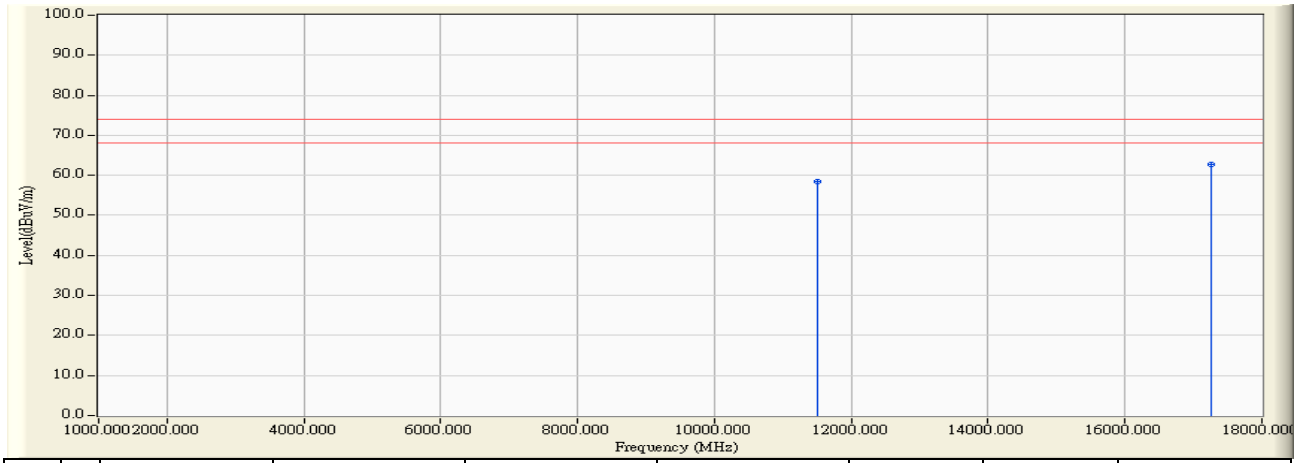


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11510.000	17.977	23.420	41.397	-12.603	54.000	AVERAGE
2	*	17265.000	22.035	25.110	47.144	-6.856	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

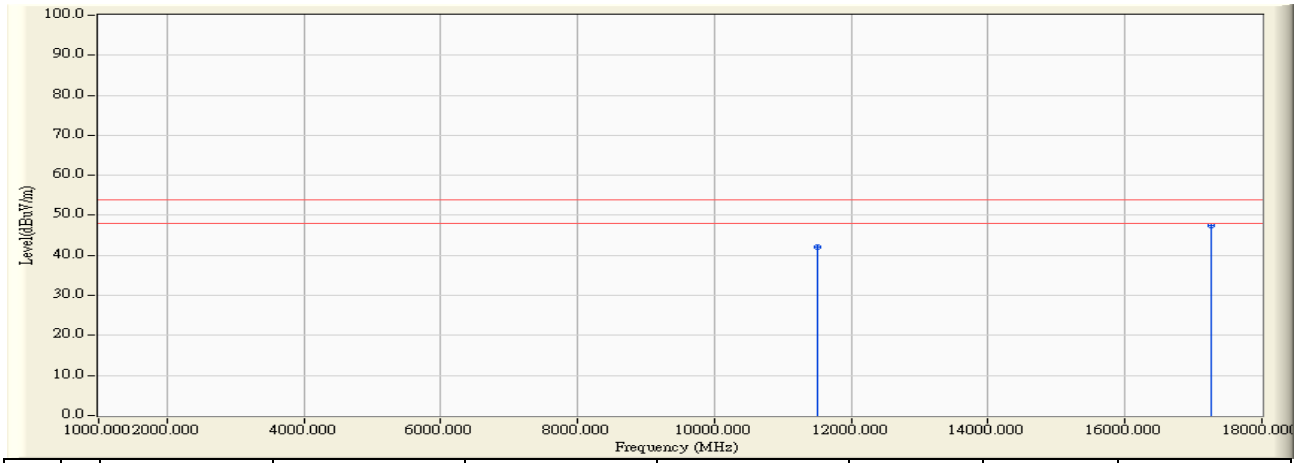


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11510.000	17.977	40.560	58.537	-15.463	74.000	PEAK
2	*	17265.000	22.035	40.600	62.634	-11.366	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

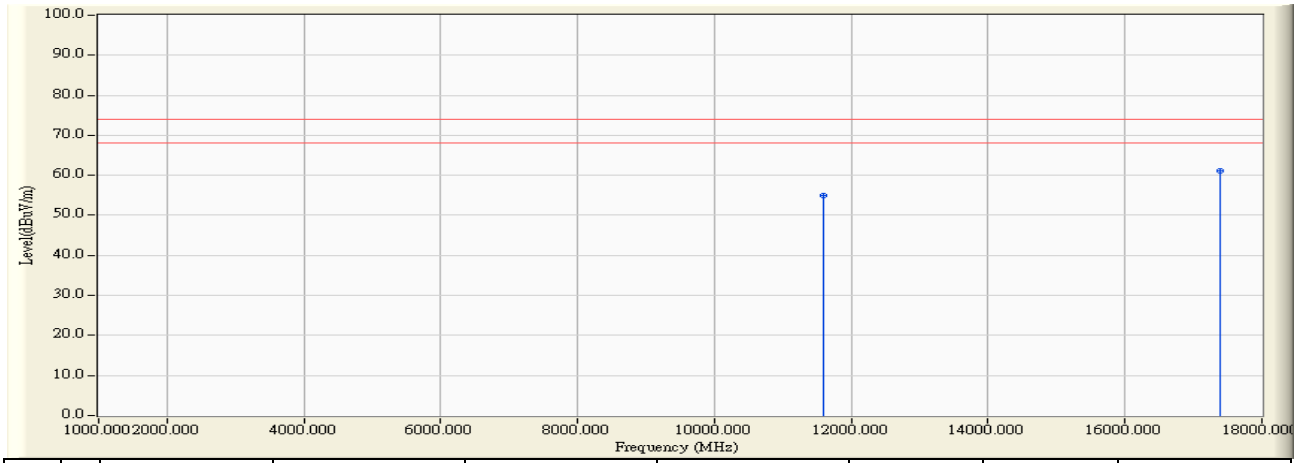


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11510.000	17.977	24.060	42.037	-11.963	54.000	AVERAGE
2	*	17265.000	22.035	25.410	47.444	-6.556	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5795MHz**

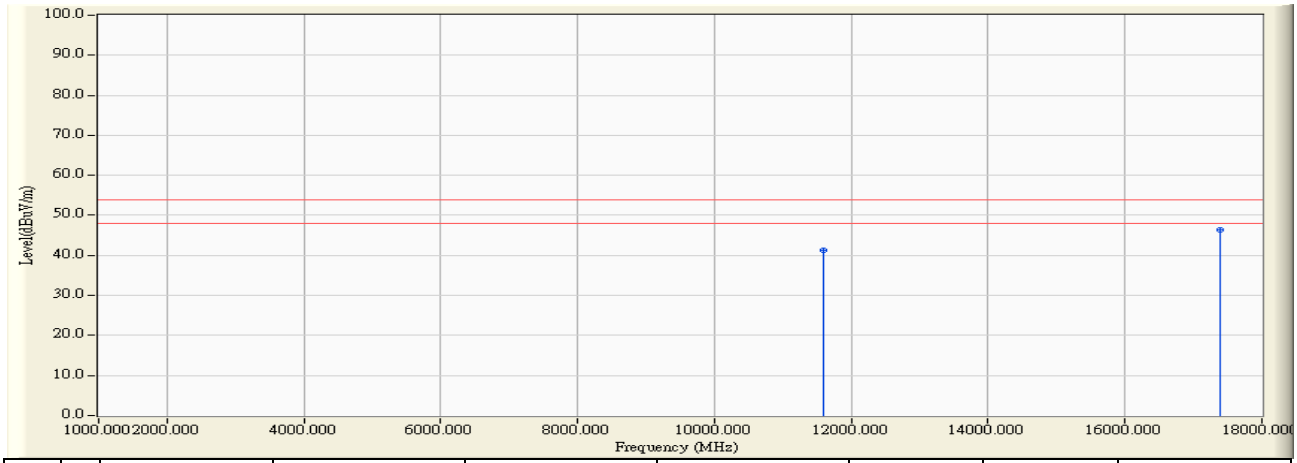


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11590.000	17.942	37.040	54.982	-19.018	74.000	PEAK
2	*	17385.000	21.845	39.170	61.015	-12.985	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5795MHz**

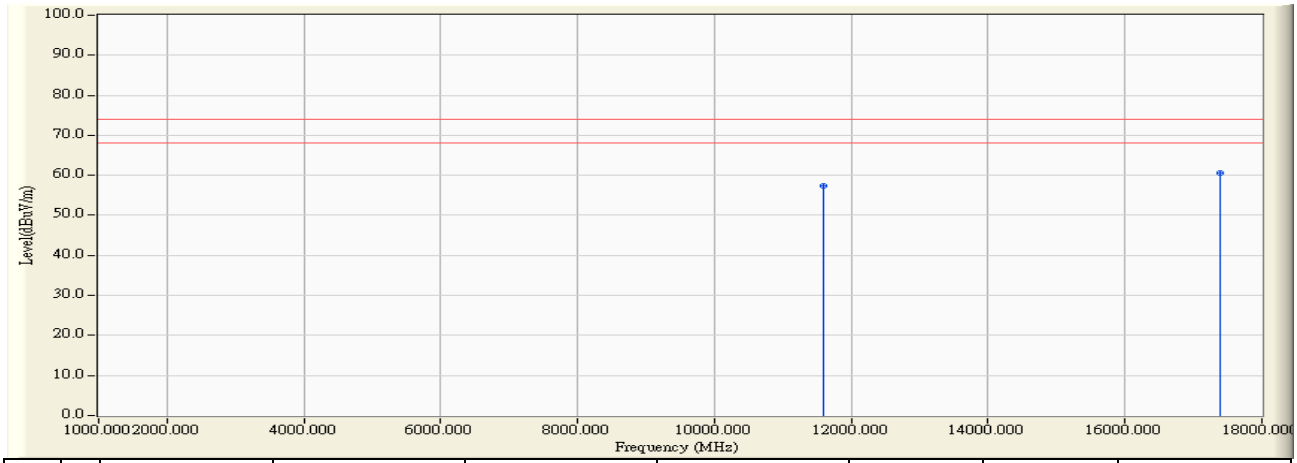


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11590.000	17.942	23.350	41.292	-12.708	54.000	AVERAGE
2	*	17385.000	21.845	24.580	46.425	-7.575	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5795MHz**

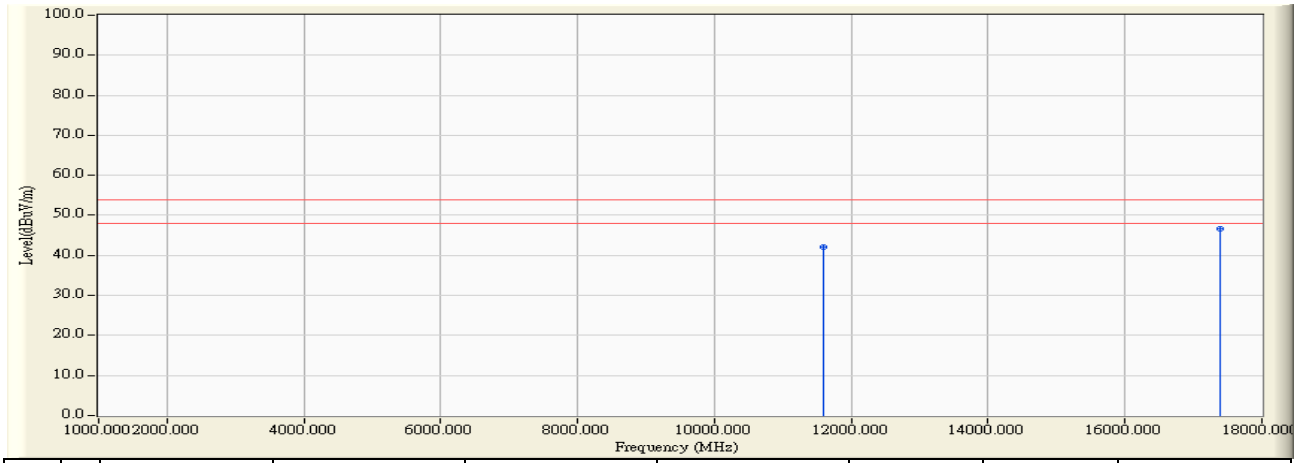


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11590.000	17.942	39.500	57.442	-16.558	74.000	PEAK
2	*	17385.000	21.845	38.840	60.685	-13.315	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5795MHz**

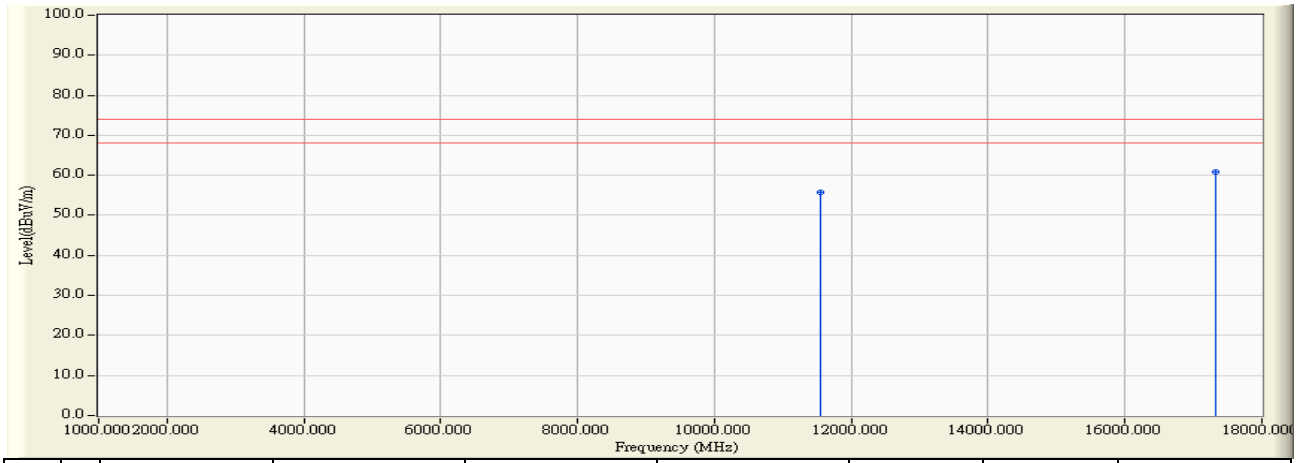


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11590.000	17.942	24.120	42.062	-11.938	54.000	AVERAGE
2	*	17385.000	21.845	24.880	46.725	-7.275	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**

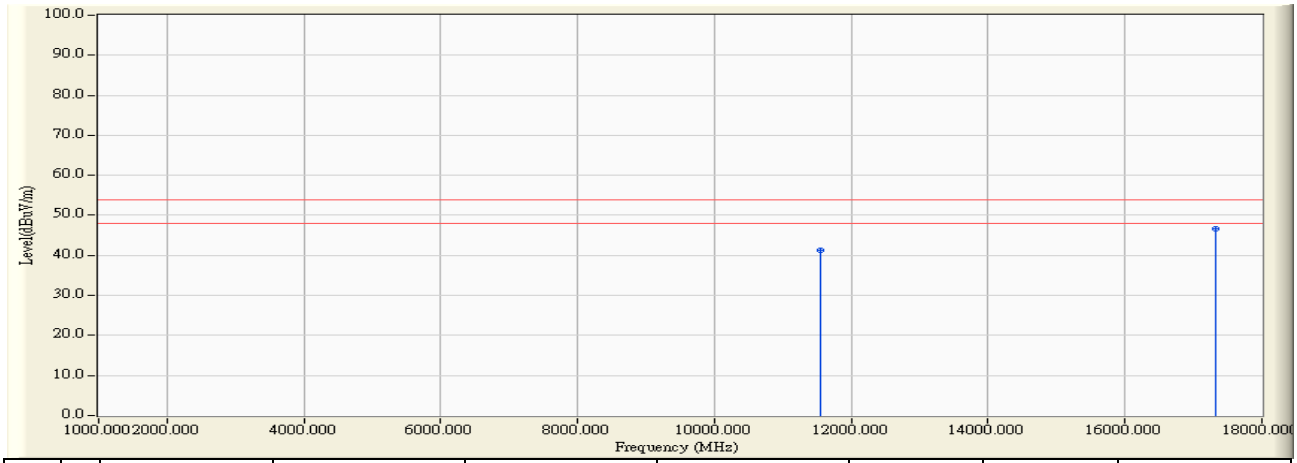


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11550.000	17.952	37.820	55.772	-18.228	74.000	PEAK
2	*	17325.000	21.772	39.070	60.842	-13.158	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**

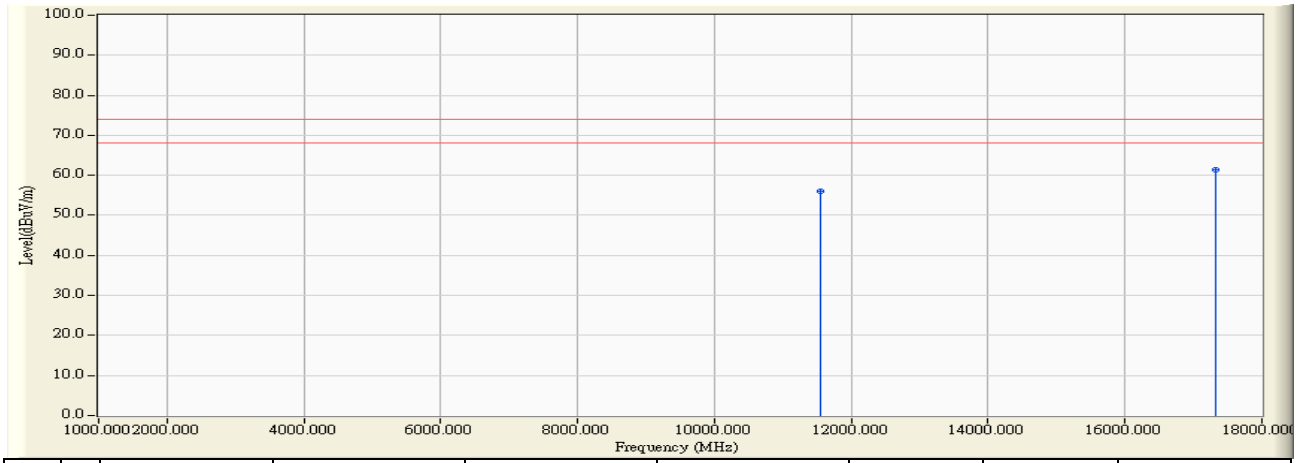


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11550.000	17.952	23.420	41.372	-12.628	54.000	AVERAGE
2	*	17325.000	21.772	24.910	46.682	-7.318	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**

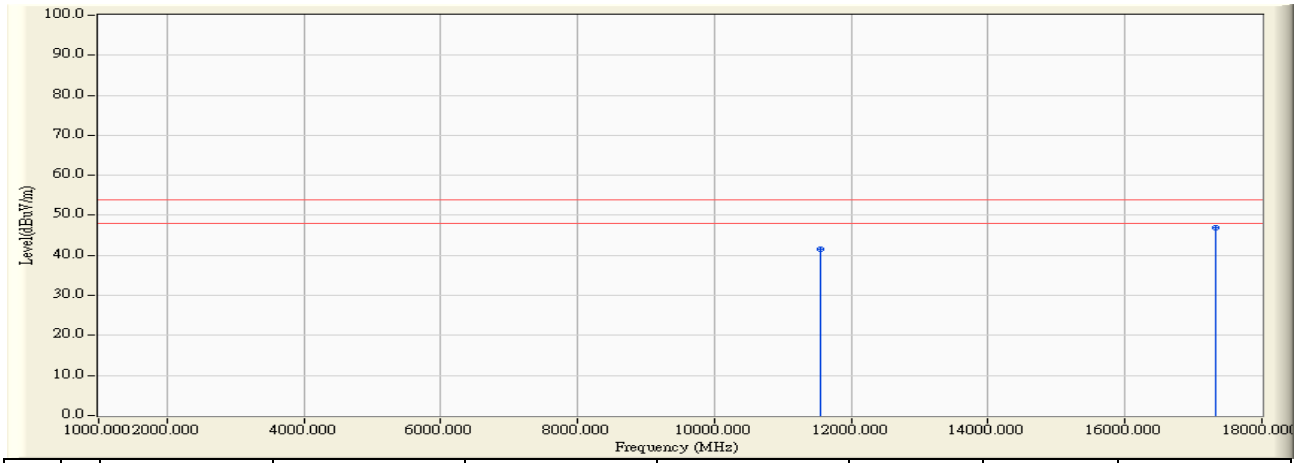


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11550.000	17.952	38.040	55.992	-18.008	74.000	PEAK
2	*	17325.000	21.772	39.720	61.492	-12.508	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11550.000	17.952	23.680	41.632	-12.368	54.000	AVERAGE
2	*	17325.000	21.772	25.120	46.892	-7.108	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

7. Band Edge

7.1. Test Equipment

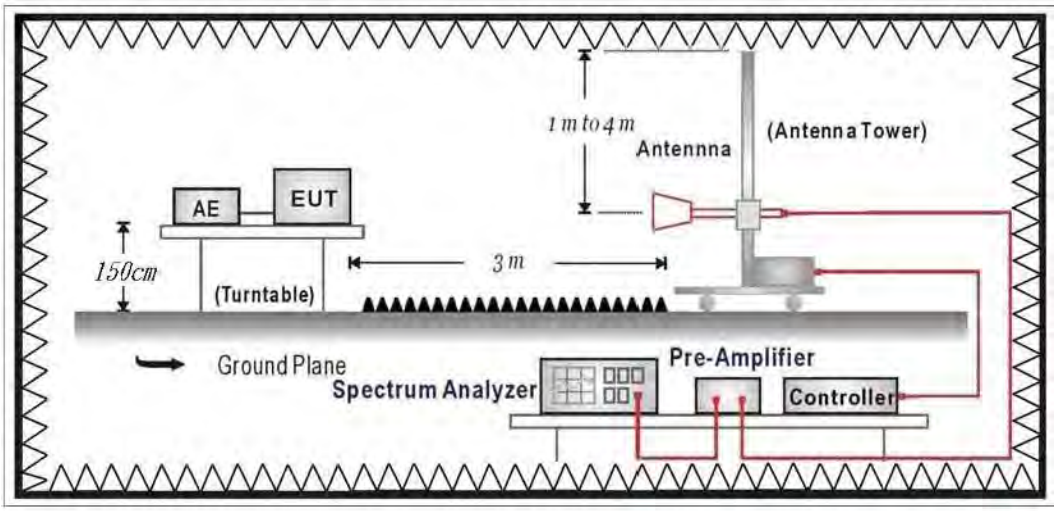
The following test equipments are used during the band edge tests:

Band Edge / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2016/11/28	2017/11/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	203	2016/08/29	2017/08/28
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25

7.2. Test Setup

RF Radiated Measurement:



7.3. Limits

➢ **General Radiated Emission Limits**

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

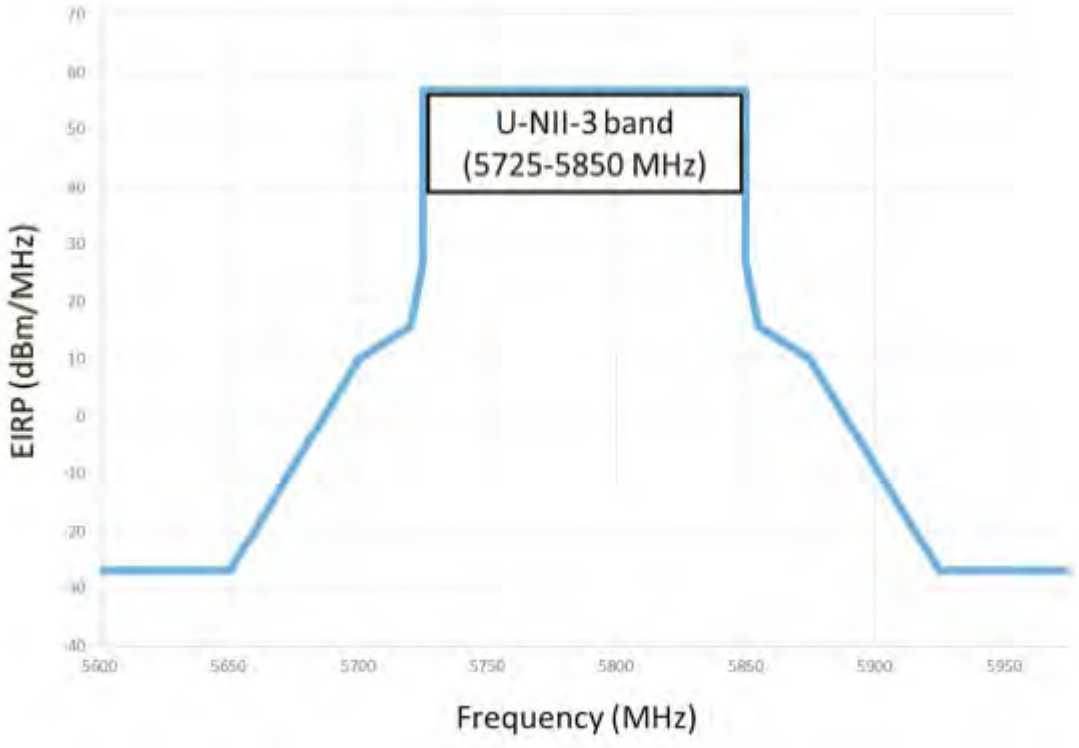
➢ **Unwanted Emission out of the restricted bands Limits**

FCC Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

4. For transmitters operating in the 5.725-5.85 GHz band

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in Section 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in Section 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.



Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. uV/m = $\frac{1000000\sqrt{30 \times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

7.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

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: 2013on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

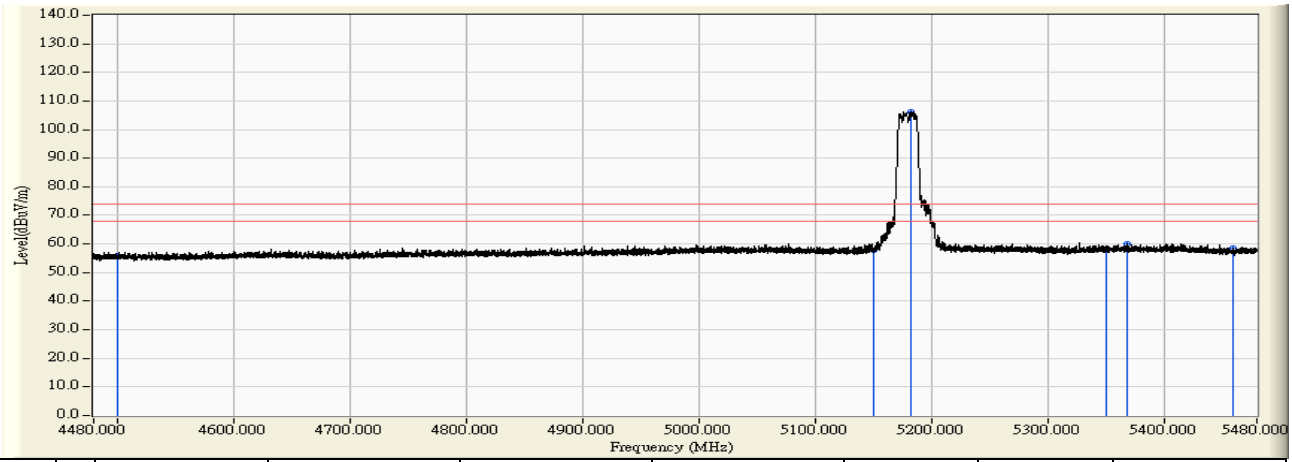
7.5. Uncertainty

The measurement uncertainty is defined as ± 3.65dB

7.6. Test Result

Radiated is defined as

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

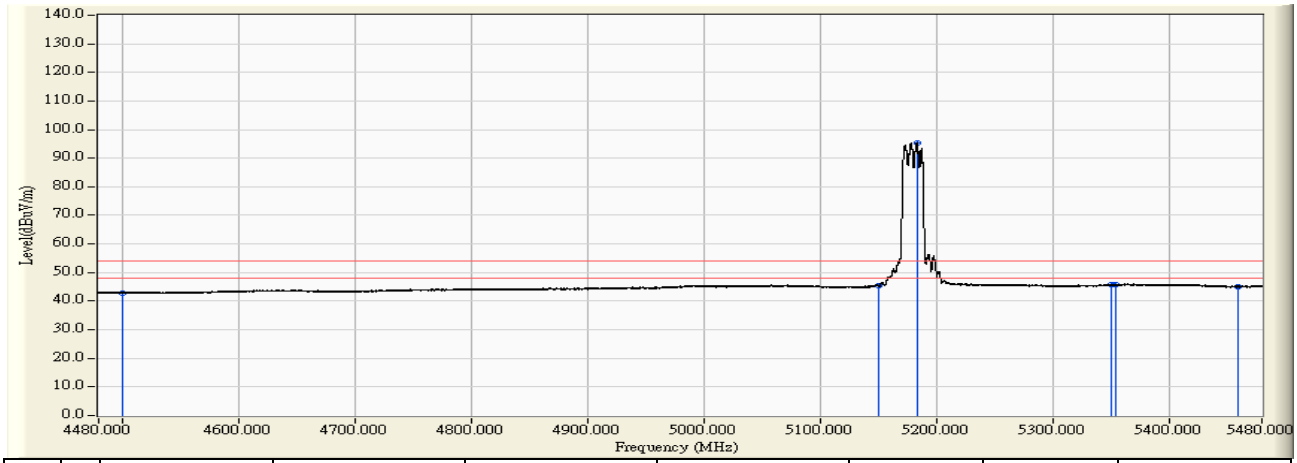


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	32.686	56.046	-17.954	74.000	PEAK
2		5150.000	25.030	32.684	57.714	-16.286	74.000	PEAK
3	*	5182.830	25.082	81.316	106.398	32.398	74.000	PEAK
4		5350.000	25.285	33.049	58.334	-15.666	74.000	PEAK
5		5368.911	25.308	34.681	59.989	-14.011	74.000	PEAK
6		5460.000	25.422	33.105	58.527	-15.473	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

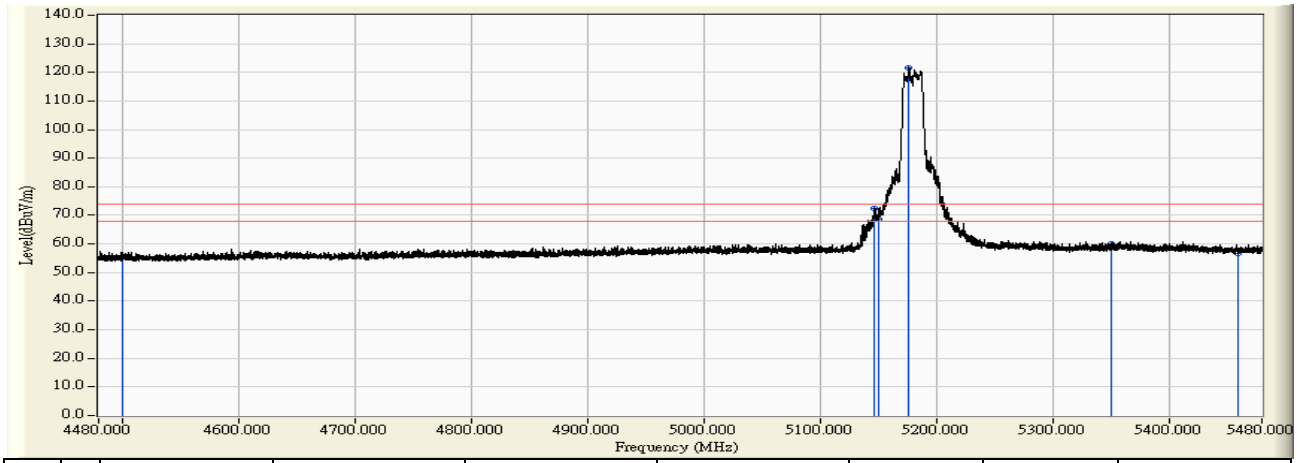


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	19.593	42.953	-11.047	54.000	AVERAGE
2		5150.000	25.030	20.505	45.535	-8.465	54.000	AVERAGE
3	*	5183.330	25.083	70.239	95.322	41.322	54.000	AVERAGE
4		5350.000	25.285	20.320	45.605	-8.395	54.000	AVERAGE
5		5354.013	25.290	20.534	45.824	-8.176	54.000	AVERAGE
6		5460.000	25.422	19.564	44.986	-9.014	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

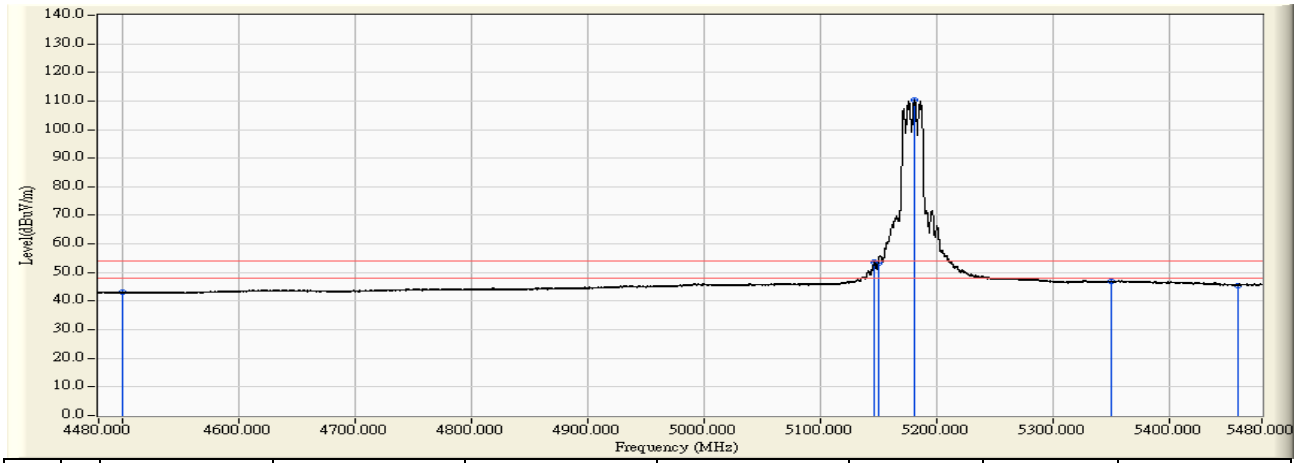


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	32.288	55.648	-18.352	74.000	PEAK
2		5147.033	25.026	47.482	72.507	-1.493	74.000	PEAK
3		5150.000	25.030	43.653	68.683	-5.317	74.000	PEAK
4	*	5176.730	25.073	96.556	121.629	47.629	74.000	PEAK
5		5350.000	25.285	34.817	60.102	-13.898	74.000	PEAK
6		5460.000	25.422	31.179	56.601	-17.399	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5180MHz**

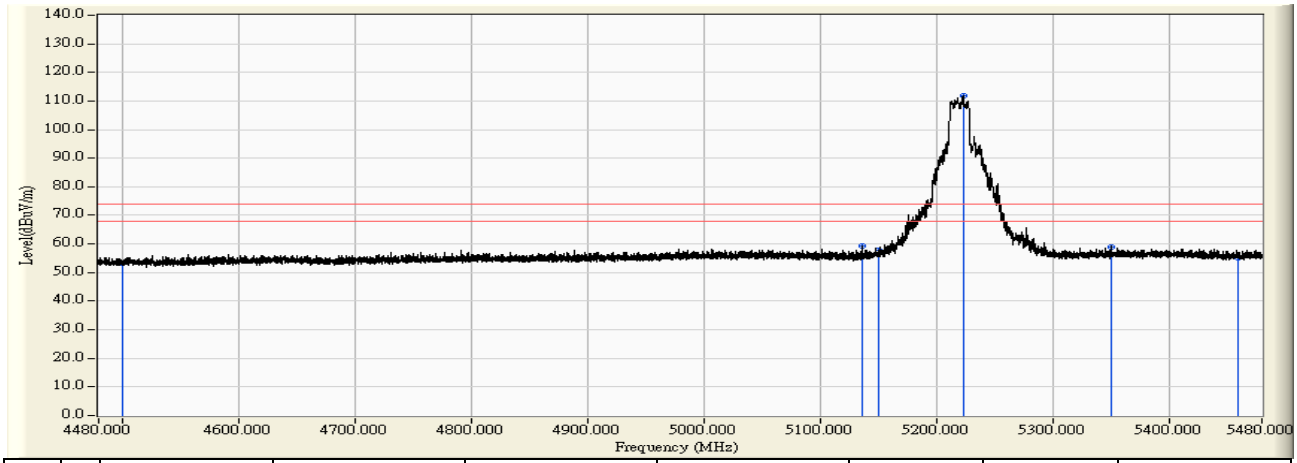


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	19.696	43.056	-10.944	54.000	AVERAGE
2		5147.233	25.026	28.591	53.616	-0.384	54.000	AVERAGE
3		5150.000	25.030	28.286	53.316	-0.684	54.000	AVERAGE
4	*	5181.330	25.080	85.090	110.170	56.170	54.000	AVERAGE
5		5350.000	25.285	21.535	46.820	-7.180	54.000	AVERAGE
6		5460.000	25.422	20.066	45.488	-8.512	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

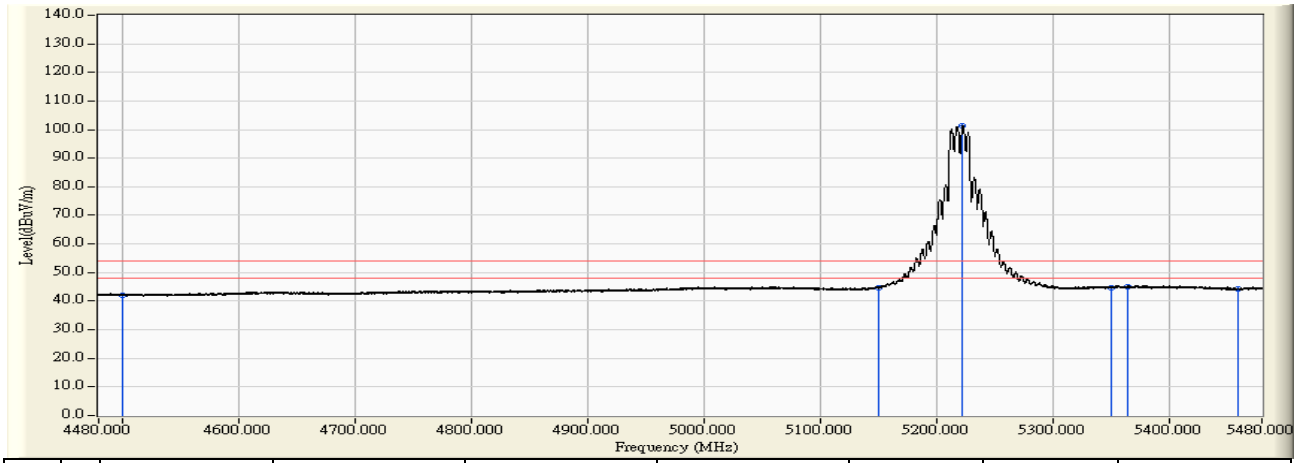


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	30.008	53.368	-20.632	74.000	PEAK
2		5135.834	25.007	34.117	59.124	-14.876	74.000	PEAK
3		5150.000	25.030	32.690	57.720	-16.280	74.000	PEAK
4	*	5223.026	25.137	86.825	111.963	37.963	74.000	PEAK
5		5350.000	25.285	33.633	58.918	-15.082	74.000	PEAK
6		5460.000	25.422	29.711	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

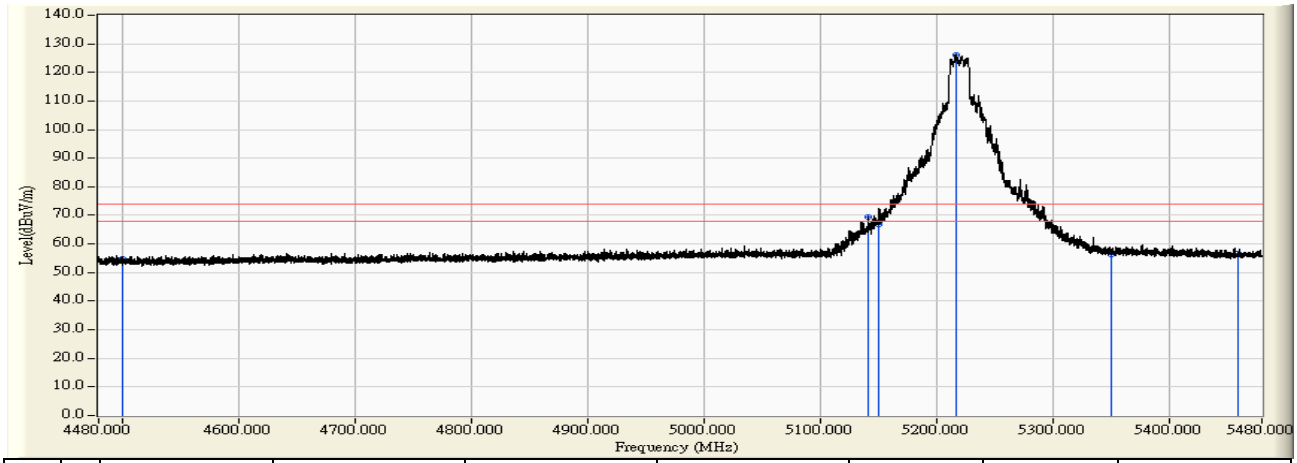


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.519	41.879	-12.121	54.000	AVERAGE
2		5150.000	25.030	19.557	44.587	-9.413	54.000	AVERAGE
3	*	5222.926	25.137	76.158	101.296	47.296	54.000	AVERAGE
4		5350.000	25.285	19.479	44.764	-9.236	54.000	AVERAGE
5		5364.112	25.302	19.907	45.210	-8.790	54.000	AVERAGE
6		5460.000	25.422	18.943	44.365	-9.635	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

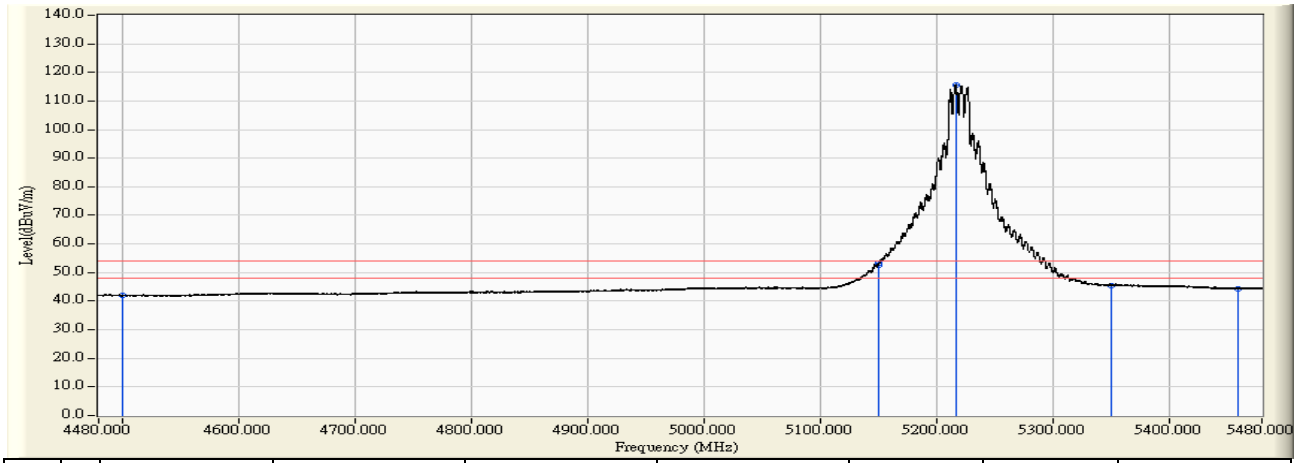


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	31.441	54.801	-19.199	74.000	PEAK
2		5141.534	25.017	44.517	69.533	-4.467	74.000	PEAK
3		5150.000	25.030	41.940	66.970	-7.030	74.000	PEAK
4	*	5216.726	25.130	100.951	126.081	52.081	74.000	PEAK
5		5350.000	25.285	30.991	56.276	-17.724	74.000	PEAK
6		5460.000	25.422	31.079	56.501	-17.499	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5220MHz**

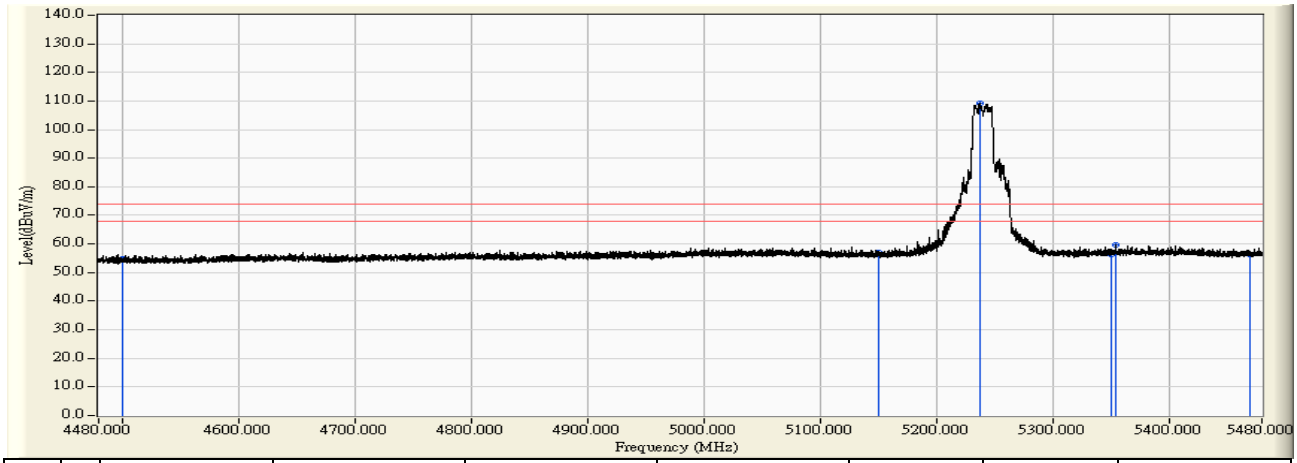


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.703	42.063	-11.937	54.000	AVERAGE
2		5149.933	25.030	28.222	53.252	-0.748	54.000	AVERAGE
3		5150.000	25.030	27.665	52.695	-1.305	54.000	AVERAGE
4	*	5216.726	25.130	90.636	115.766	61.766	54.000	AVERAGE
5		5350.000	25.285	20.275	45.560	-8.440	54.000	AVERAGE
6		5460.000	25.422	19.020	44.442	-9.558	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

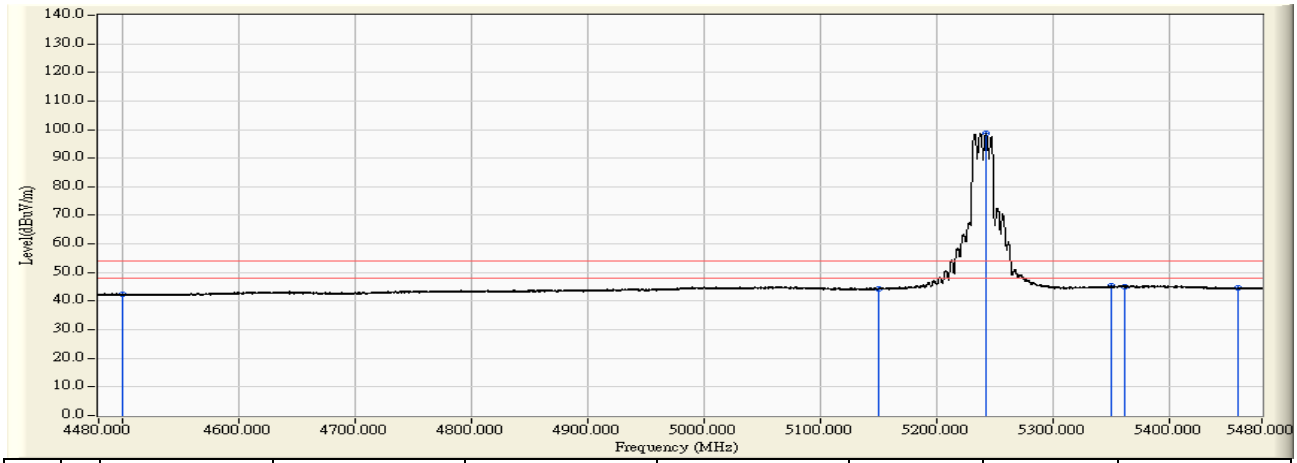


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	31.460	54.820	-19.180	74.000	PEAK
2		5150.000	25.030	31.883	56.913	-17.087	74.000	PEAK
3	*	5237.124	25.155	83.905	109.060	35.060	74.000	PEAK
4		5350.000	25.285	31.191	56.476	-17.524	74.000	PEAK
5		5354.313	25.290	34.313	59.603	-14.397	74.000	PEAK
6		5470.000	25.435	31.013	56.448	-17.552	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

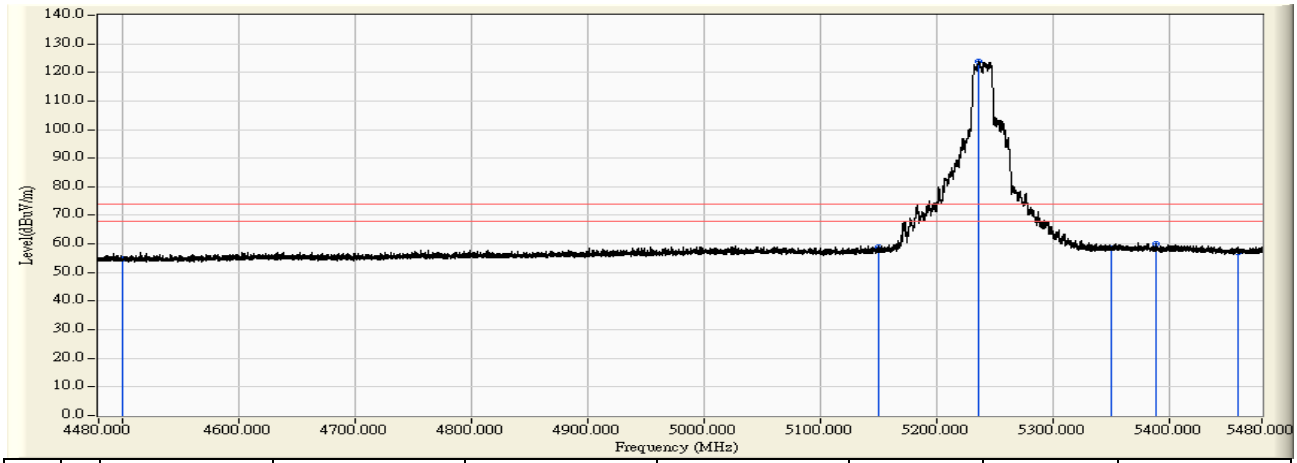


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	19.047	42.407	-11.593	54.000	AVERAGE
2		5150.000	25.030	19.209	44.239	-9.761	54.000	AVERAGE
3	*	5243.024	25.161	73.582	98.744	44.744	54.000	AVERAGE
4		5350.000	25.285	20.014	45.299	-8.701	54.000	AVERAGE
5		5361.812	25.300	19.911	45.211	-8.789	54.000	AVERAGE
6		5460.000	25.422	19.301	44.723	-9.277	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

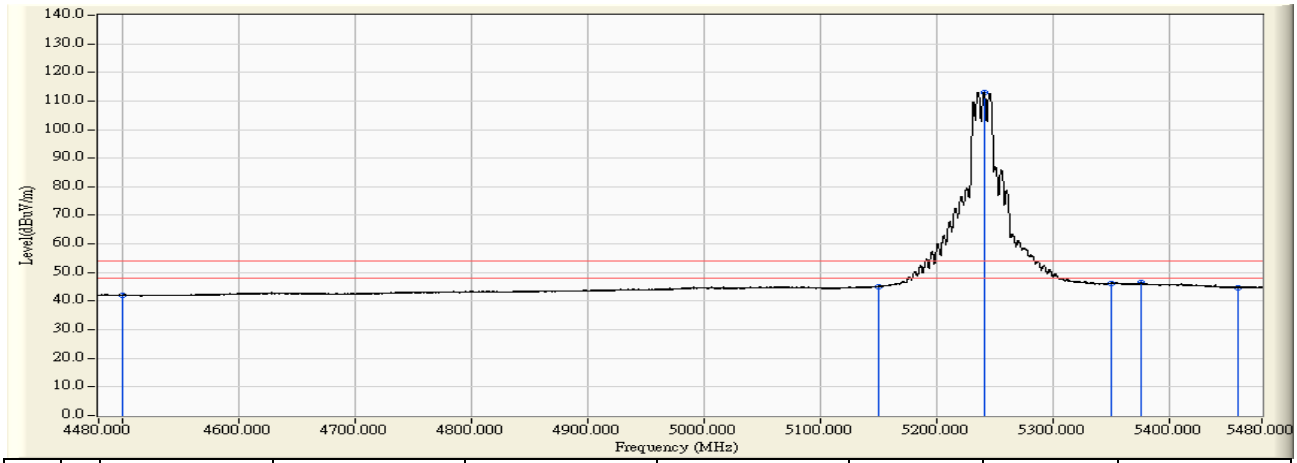


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	31.263	54.623	-19.377	74.000	PEAK
2		5150.000	25.030	34.021	59.051	-14.949	74.000	PEAK
3	*	5236.824	25.155	98.567	123.721	49.721	74.000	PEAK
4		5350.000	25.285	33.286	58.571	-15.429	74.000	PEAK
5		5389.309	25.334	34.533	59.867	-14.133	74.000	PEAK
6		5460.000	25.422	31.674	57.096	-16.904	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5240MHz**

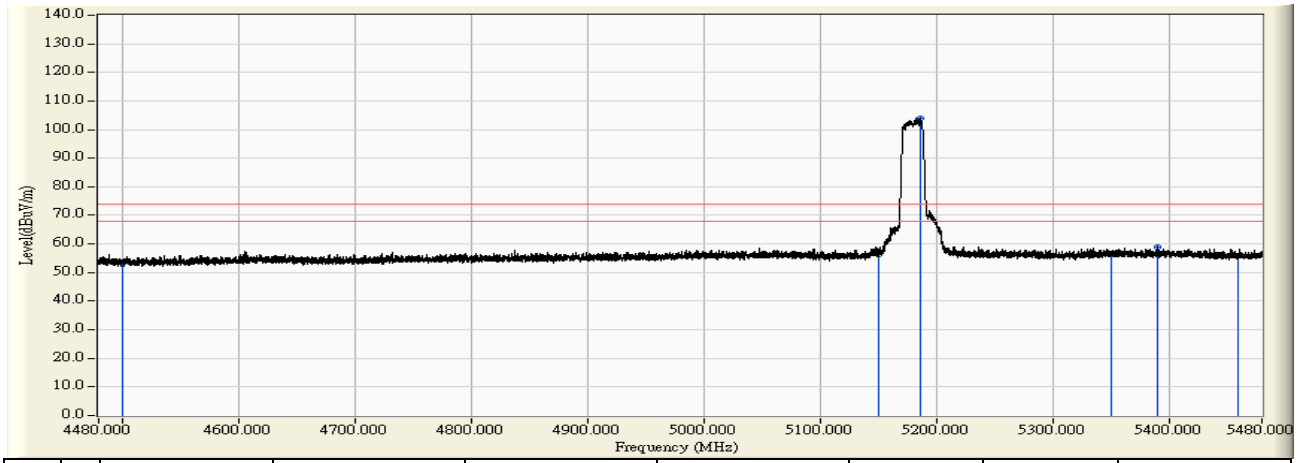


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.674	42.034	-11.966	54.000	AVERAGE
2		5150.000	25.030	20.152	45.182	-8.818	54.000	AVERAGE
3	*	5241.024	25.159	88.003	113.162	59.162	54.000	AVERAGE
4		5350.000	25.285	20.968	46.253	-7.747	54.000	AVERAGE
5		5375.710	25.317	21.090	46.407	-7.593	54.000	AVERAGE
6		5460.000	25.422	19.381	44.803	-9.197	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

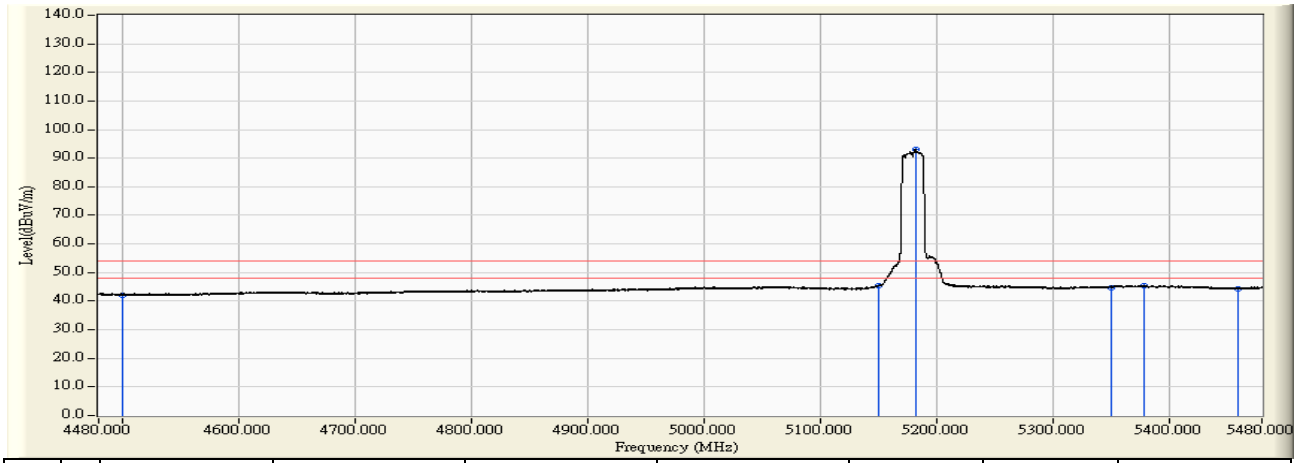


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	29.807	53.167	-20.833	74.000	PEAK
2		5150.000	25.030	31.095	56.125	-17.875	74.000	PEAK
3	*	5185.929	25.087	78.923	104.010	30.010	74.000	PEAK
4		5350.000	25.285	31.177	56.462	-17.538	74.000	PEAK
5		5390.809	25.336	33.511	58.847	-15.153	74.000	PEAK
6		5460.000	25.422	30.556	55.978	-18.022	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

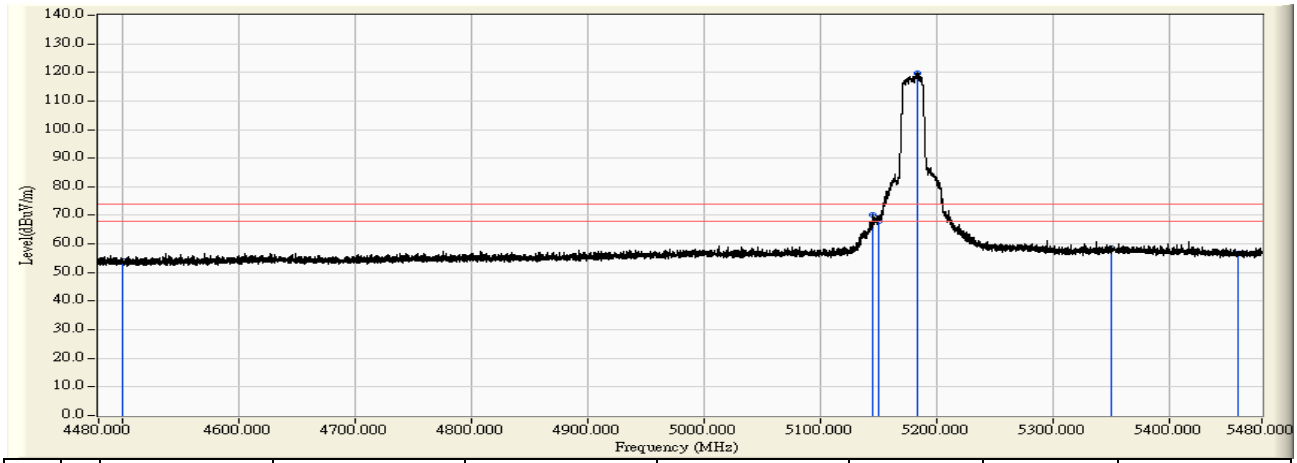


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.843	42.203	-11.797	54.000	AVERAGE
2		5150.000	25.030	20.452	45.482	-8.518	54.000	AVERAGE
3	*	5182.130	25.081	68.056	93.137	39.137	54.000	AVERAGE
4		5350.000	25.285	19.496	44.781	-9.219	54.000	AVERAGE
5		5378.310	25.320	20.046	45.366	-8.634	54.000	AVERAGE
6		5460.000	25.422	18.889	44.311	-9.689	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

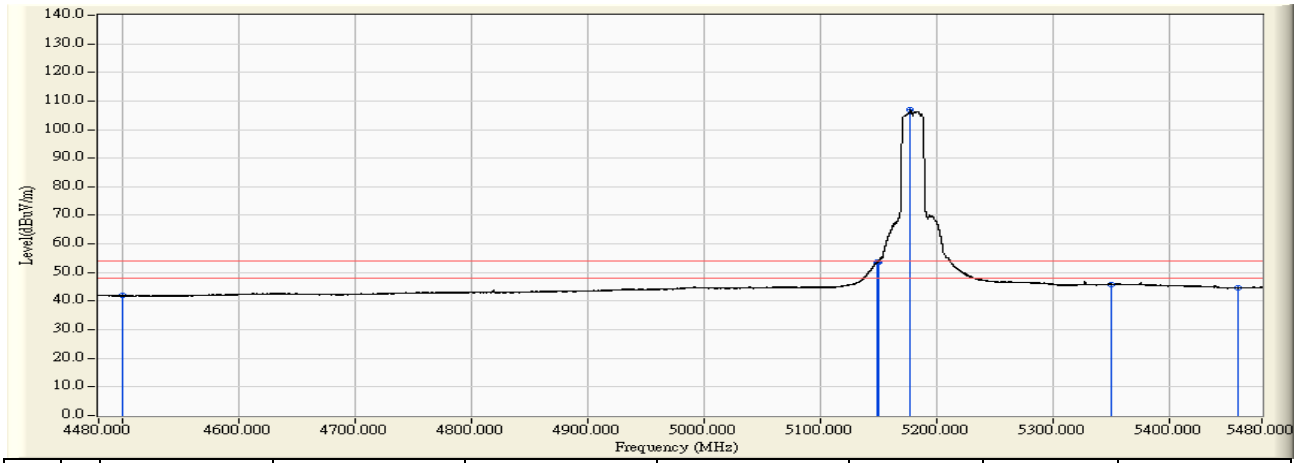


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	30.874	54.234	-19.766	74.000	PEAK
2		5145.433	25.023	45.310	70.333	-3.667	74.000	PEAK
3		5150.000	25.030	42.953	67.983	-6.017	74.000	PEAK
4	*	5184.430	25.085	94.756	119.841	45.841	74.000	PEAK
5		5350.000	25.285	33.081	58.366	-15.634	74.000	PEAK
6		5460.000	25.422	31.313	56.735	-17.265	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5180MHz**

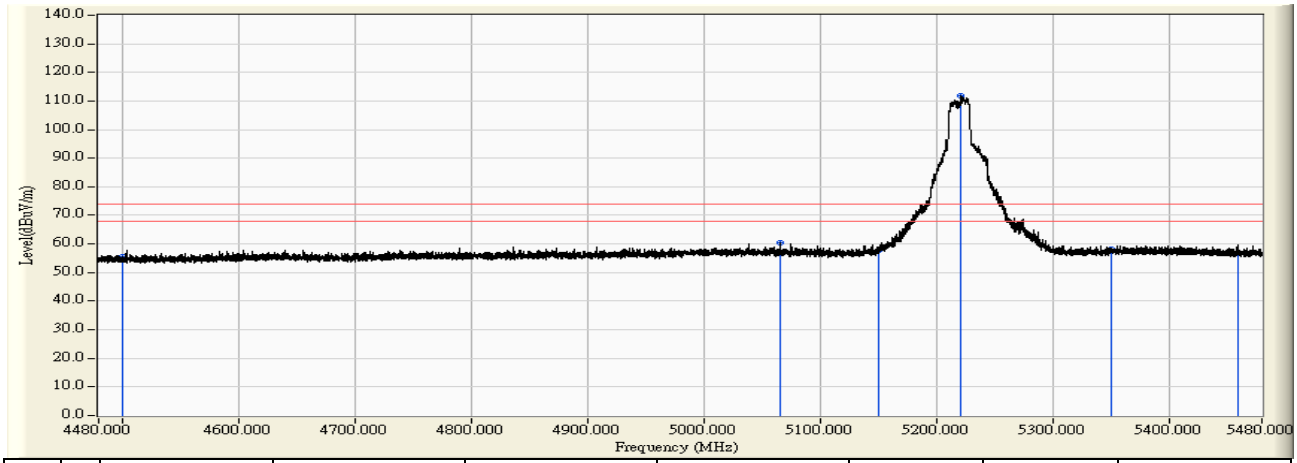


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.556	41.916	-12.084	54.000	AVERAGE
2		5149.333	25.029	28.797	53.826	-0.174	54.000	AVERAGE
3		5150.000	25.030	28.699	53.729	-0.271	54.000	AVERAGE
4	*	5177.630	25.073	81.989	107.063	53.063	54.000	AVERAGE
5		5350.000	25.285	20.619	45.904	-8.096	54.000	AVERAGE
6		5460.000	25.422	19.122	44.544	-9.456	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

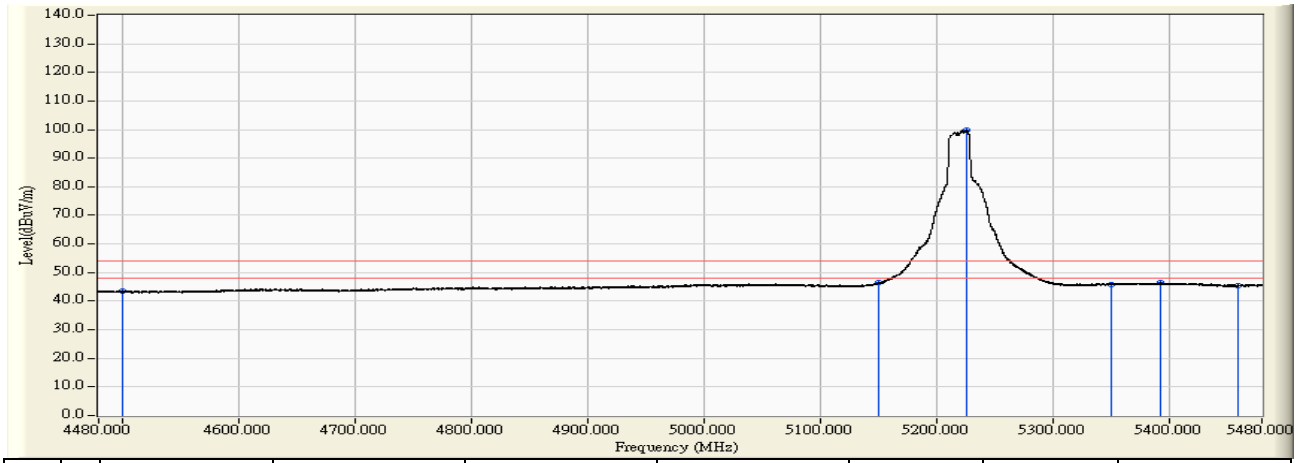


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	32.094	55.454	-18.546	74.000	PEAK
2		5065.841	24.905	35.526	60.431	-13.569	74.000	PEAK
3		5150.000	25.030	32.724	57.754	-16.246	74.000	PEAK
4	*	5221.626	25.136	86.535	111.671	37.671	74.000	PEAK
5		5350.000	25.285	33.027	58.312	-15.688	74.000	PEAK
6		5460.000	25.422	31.077	56.499	-17.501	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

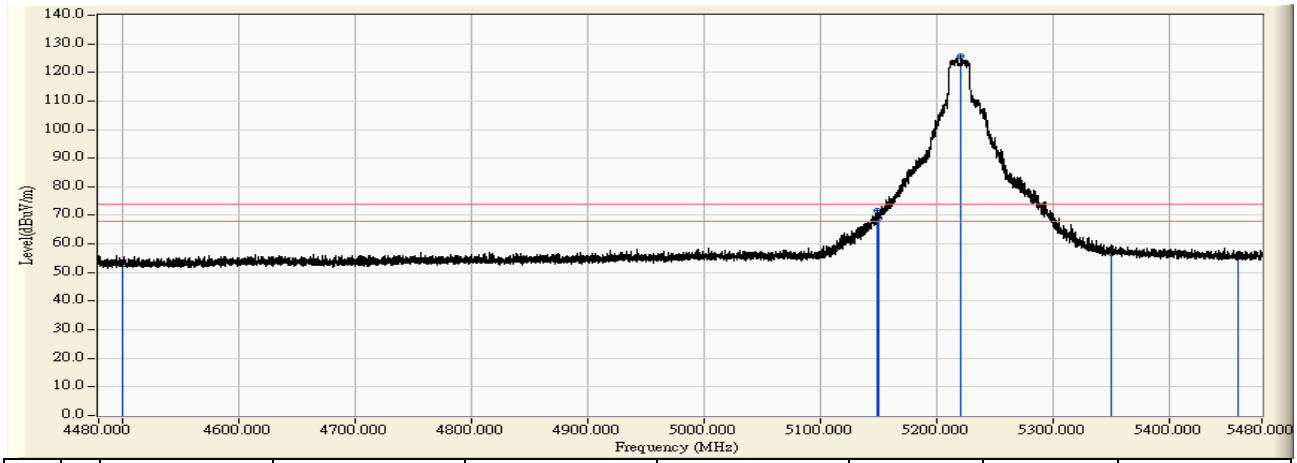


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	20.195	43.555	-10.445	54.000	AVERAGE
2		5150.000	25.030	21.349	46.379	-7.621	54.000	AVERAGE
3	*	5226.525	25.142	74.635	99.777	45.777	54.000	AVERAGE
4		5350.000	25.285	20.647	45.932	-8.068	54.000	AVERAGE
5		5392.209	25.338	21.037	46.375	-7.625	54.000	AVERAGE
6		5460.000	25.422	19.888	45.310	-8.690	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

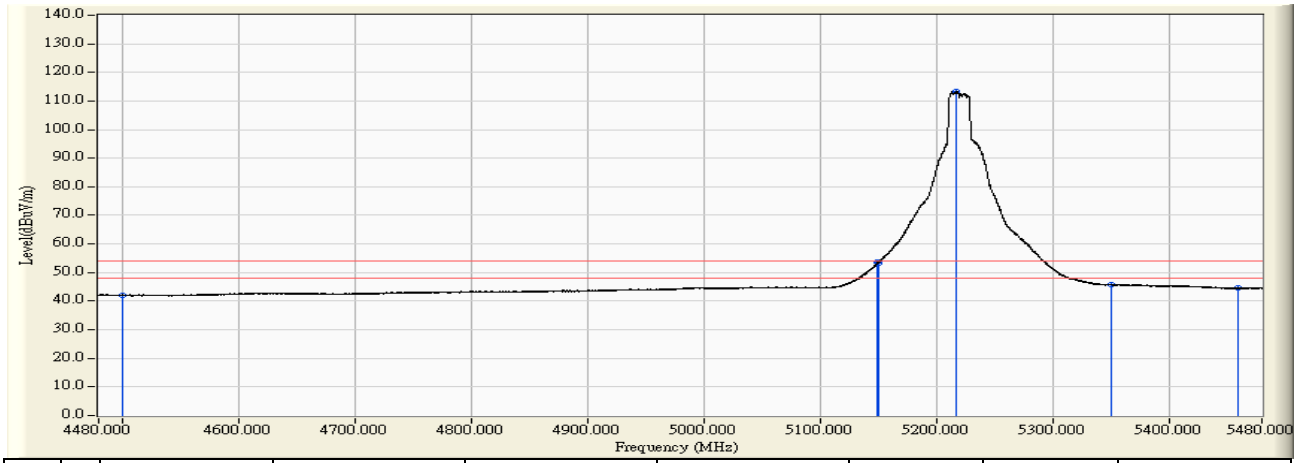


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	29.415	52.775	-21.225	74.000	PEAK
2		5148.933	25.028	46.808	71.836	-2.164	74.000	PEAK
3		5150.000	25.030	43.924	68.954	-5.046	74.000	PEAK
4	*	5221.026	25.135	100.515	125.650	51.650	74.000	PEAK
5		5350.000	25.285	31.368	56.653	-17.347	74.000	PEAK
6		5460.000	25.422	30.200	55.622	-18.378	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5220MHz**

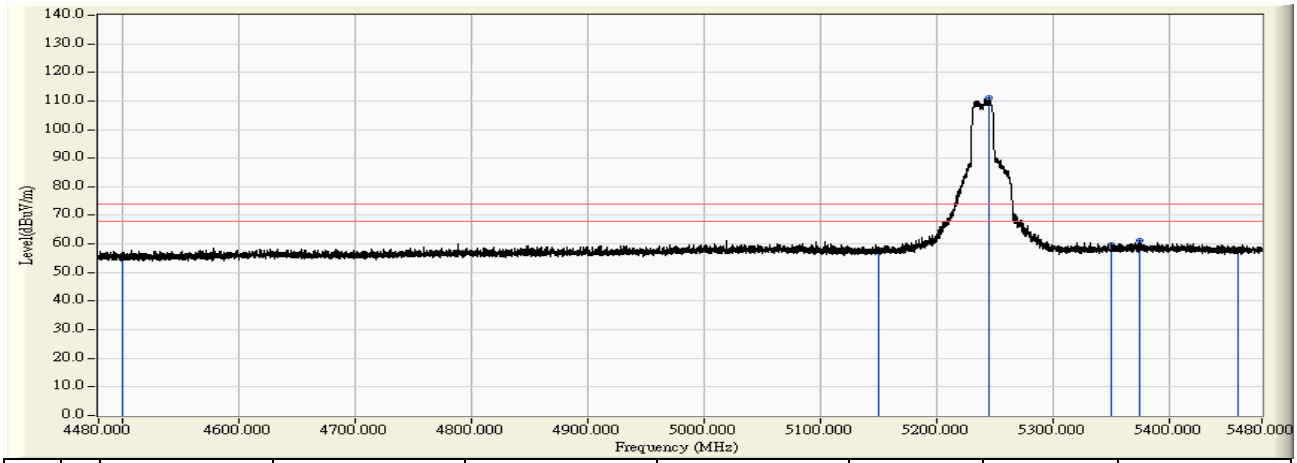


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.627	41.987	-12.013	54.000	AVERAGE
2		5149.733	25.030	28.529	53.558	-0.442	54.000	AVERAGE
3		5150.000	25.030	28.434	53.464	-0.536	54.000	AVERAGE
4	*	5217.626	25.130	88.394	113.525	59.525	54.000	AVERAGE
5		5350.000	25.285	20.439	45.724	-8.276	54.000	AVERAGE
6		5460.000	25.422	19.073	44.495	-9.505	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

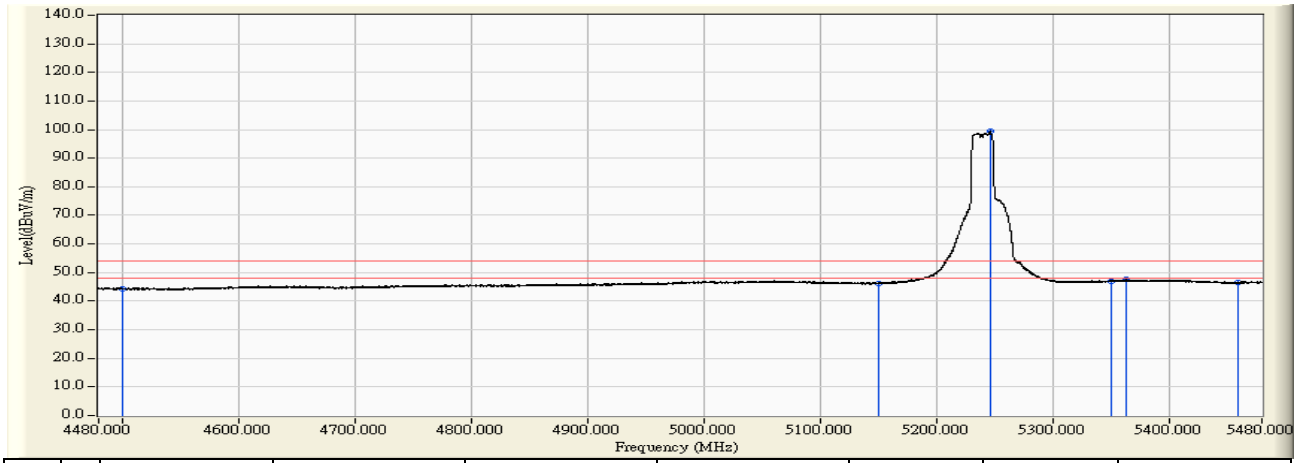


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	32.608	55.968	-18.032	74.000	PEAK
2		5150.000	25.030	32.796	57.826	-16.174	74.000	PEAK
3	*	5246.023	25.166	85.819	110.984	36.984	74.000	PEAK
4		5350.000	25.285	34.545	59.830	-14.170	74.000	PEAK
5		5375.510	25.317	35.738	61.055	-12.945	74.000	PEAK
6		5460.000	25.422	32.443	57.865	-16.135	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

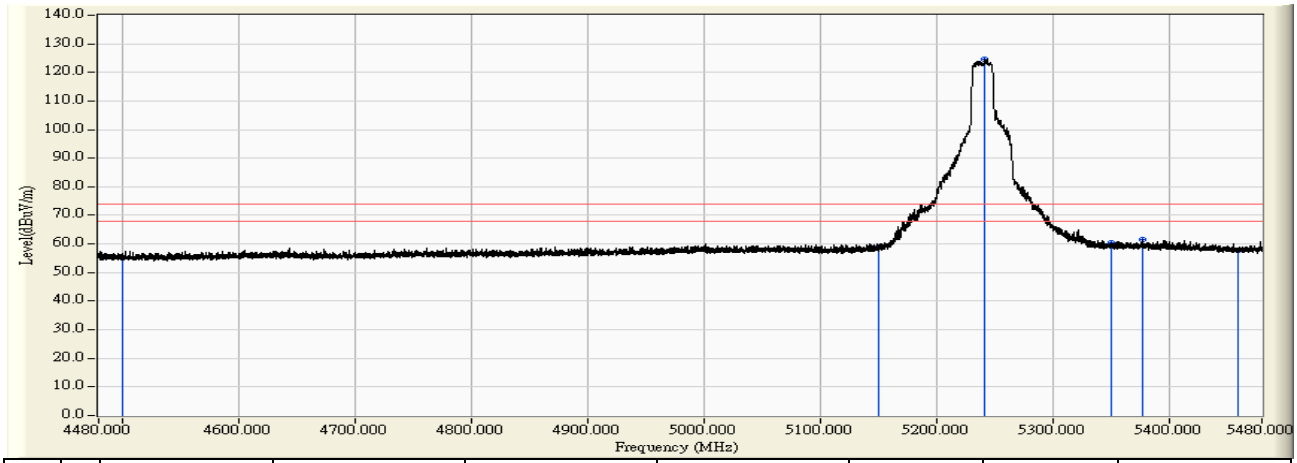


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	20.768	44.128	-9.872	54.000	AVERAGE
2		5150.000	25.030	21.271	46.301	-7.699	54.000	AVERAGE
3	*	5246.323	25.166	74.130	99.296	45.296	54.000	AVERAGE
4		5350.000	25.285	21.681	46.966	-7.034	54.000	AVERAGE
5		5363.612	25.302	22.295	47.597	-6.403	54.000	AVERAGE
6		5460.000	25.422	21.004	46.426	-7.574	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

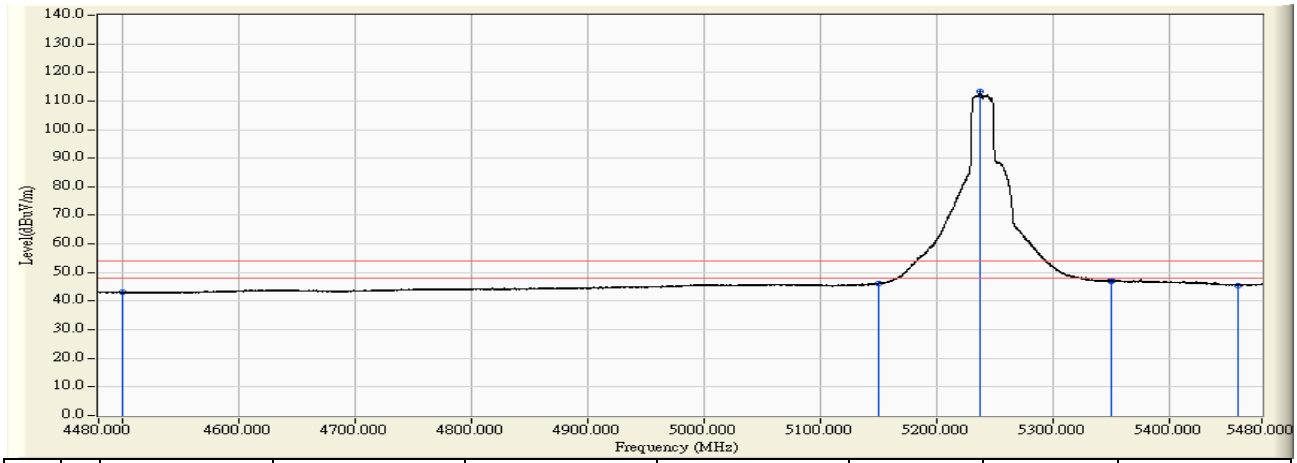


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	31.730	55.090	-18.910	74.000	PEAK
2		5150.000	25.030	34.031	59.061	-14.939	74.000	PEAK
3	*	5242.024	25.161	99.533	124.693	50.693	74.000	PEAK
4		5350.000	25.285	35.028	60.313	-13.687	74.000	PEAK
5		5376.910	25.318	36.227	61.546	-12.454	74.000	PEAK
6		5460.000	25.422	32.439	57.861	-16.139	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5240MHz**

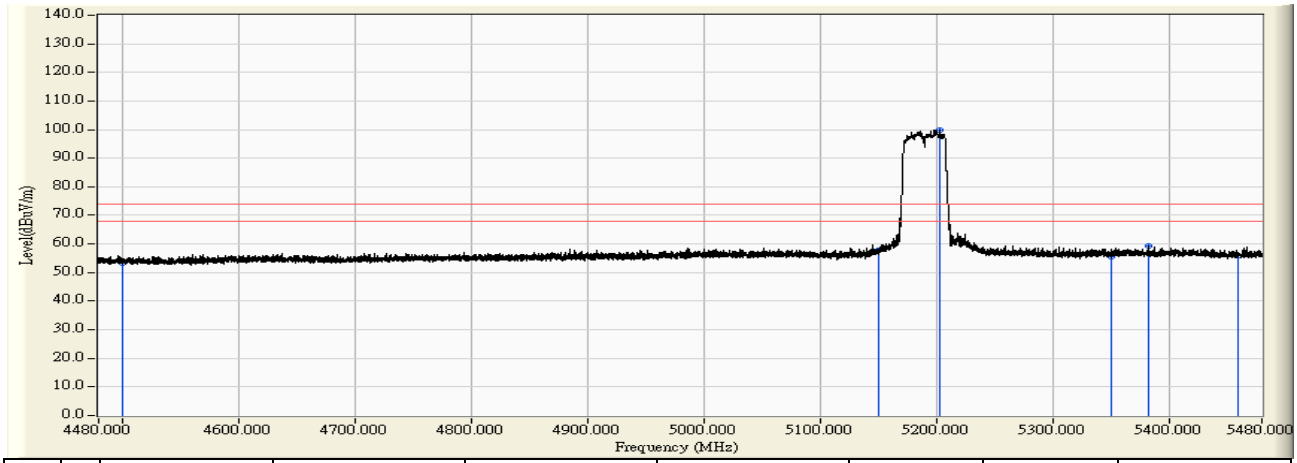


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	19.721	43.081	-10.919	54.000	AVERAGE
2		5150.000	25.030	21.079	46.109	-7.891	54.000	AVERAGE
3	*	5237.824	25.155	88.094	113.249	59.249	54.000	AVERAGE
4		5350.000	25.285	21.722	47.007	-6.993	54.000	AVERAGE
5		5350.813	25.286	22.188	47.474	-6.526	54.000	AVERAGE
6		5460.000	25.422	20.167	45.589	-8.411	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

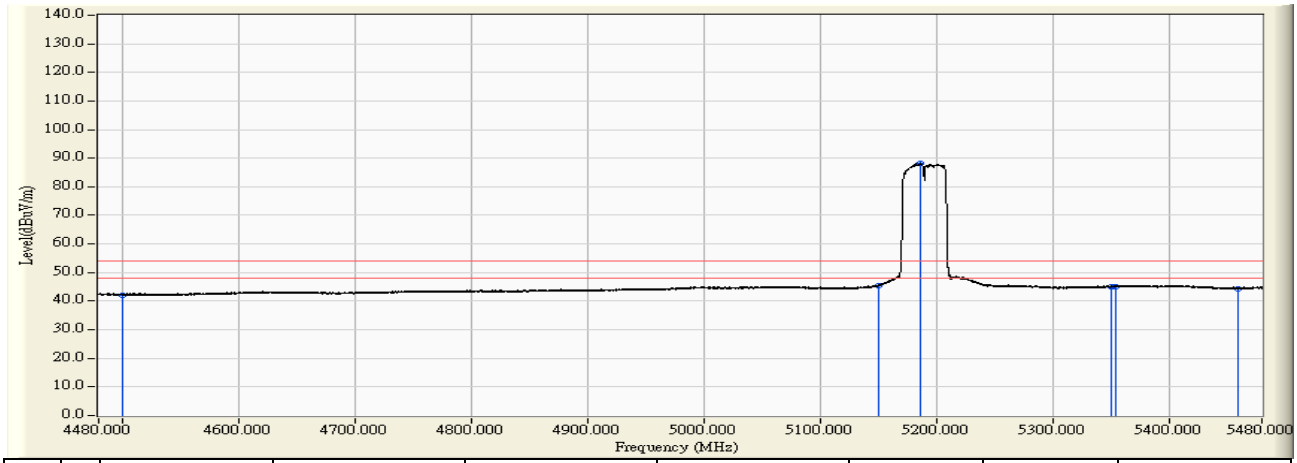


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	29.995	53.355	-20.645	74.000	PEAK
2		5150.000	25.030	32.680	57.710	-16.290	74.000	PEAK
3	*	5202.728	25.113	74.758	99.871	25.871	74.000	PEAK
4		5350.000	25.285	30.170	55.455	-18.545	74.000	PEAK
5		5382.110	25.325	33.846	59.171	-14.829	74.000	PEAK
6		5460.000	25.422	30.462	55.884	-18.116	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

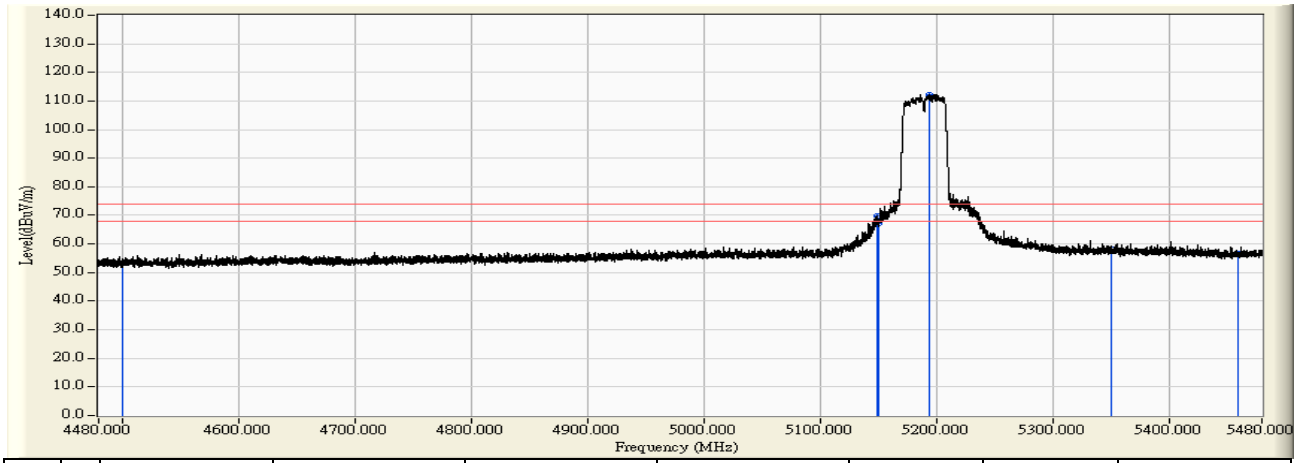


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.779	42.139	-11.861	54.000	AVERAGE
2		5150.000	25.030	20.535	45.565	-8.435	54.000	AVERAGE
3	*	5186.429	25.088	63.150	88.238	34.238	54.000	AVERAGE
4		5350.000	25.285	19.634	44.919	-9.081	54.000	AVERAGE
5		5354.313	25.290	19.921	45.211	-8.789	54.000	AVERAGE
6		5460.000	25.422	19.011	44.433	-9.567	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

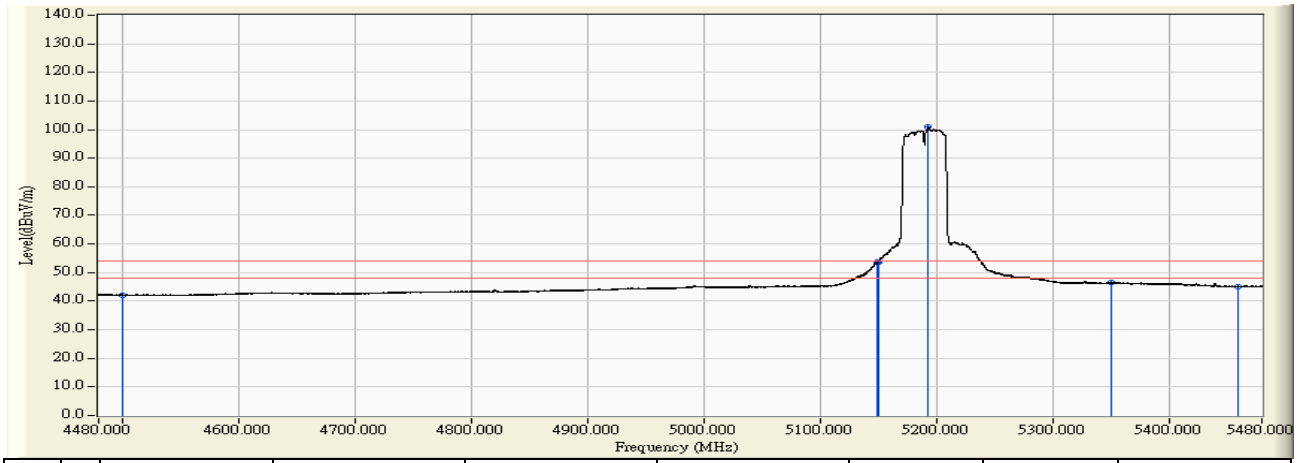


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	29.809	53.169	-20.831	74.000	PEAK
2		5149.633	25.029	44.879	69.908	-4.092	74.000	PEAK
3		5150.000	25.030	42.253	67.283	-6.717	74.000	PEAK
4	*	5193.929	25.100	87.231	112.331	38.331	74.000	PEAK
5		5350.000	25.285	33.020	58.305	-15.695	74.000	PEAK
6		5460.000	25.422	31.276	56.698	-17.302	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5190MHz**

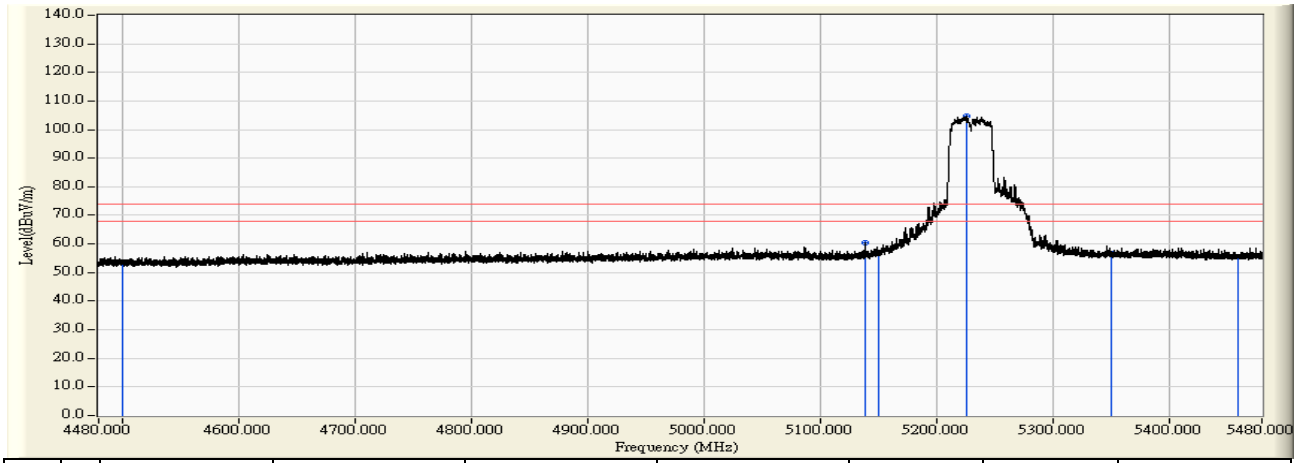


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.807	42.167	-11.833	54.000	AVERAGE
2		5149.733	25.030	28.777	53.806	-0.194	54.000	AVERAGE
3		5150.000	25.030	28.756	53.786	-0.214	54.000	AVERAGE
4	*	5193.029	25.098	75.748	100.847	46.847	54.000	AVERAGE
5		5350.000	25.285	21.123	46.408	-7.592	54.000	AVERAGE
6		5460.000	25.422	19.679	45.101	-8.899	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

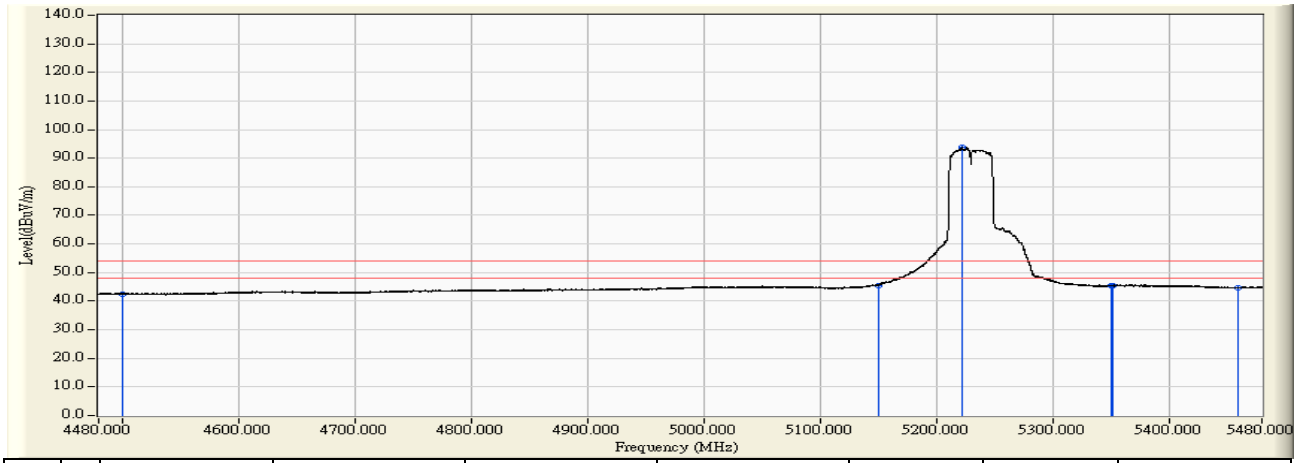


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	29.996	53.356	-20.644	74.000	PEAK
2		5138.434	25.011	35.466	60.477	-13.523	74.000	PEAK
3		5150.000	25.030	32.020	57.050	-16.950	74.000	PEAK
4	*	5225.525	25.141	79.607	104.748	30.748	74.000	PEAK
5		5350.000	25.285	31.531	56.816	-17.184	74.000	PEAK
6		5460.000	25.422	30.101	55.523	-18.477	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

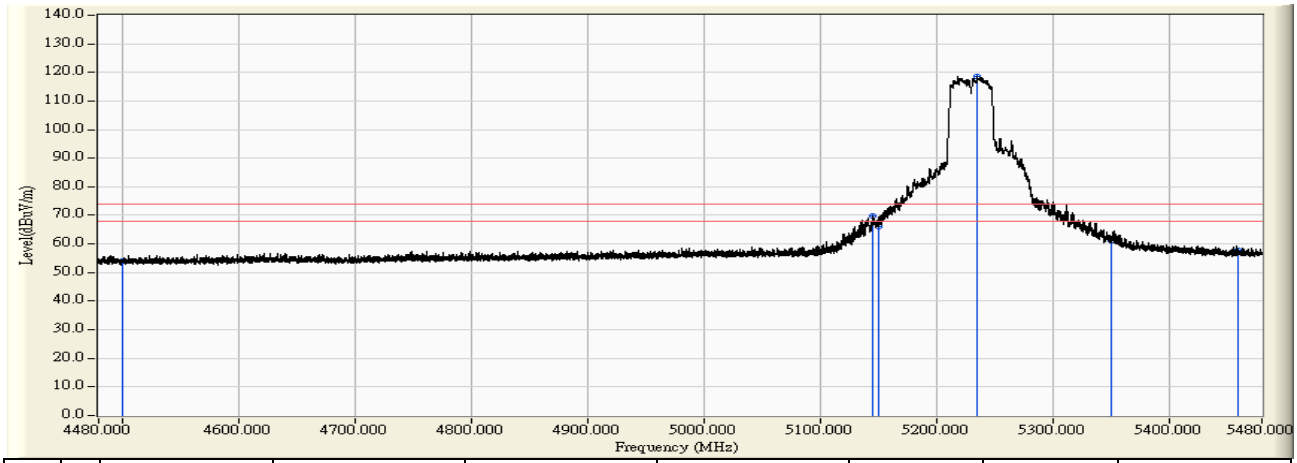


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	19.065	42.425	-11.575	54.000	AVERAGE
2		5150.000	25.030	20.557	45.587	-8.413	54.000	AVERAGE
3	*	5222.026	25.137	68.685	93.821	39.821	54.000	AVERAGE
4		5350.000	25.285	20.088	45.373	-8.627	54.000	AVERAGE
5		5351.213	25.287	20.101	45.387	-8.613	54.000	AVERAGE
6		5460.000	25.422	19.163	44.585	-9.415	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

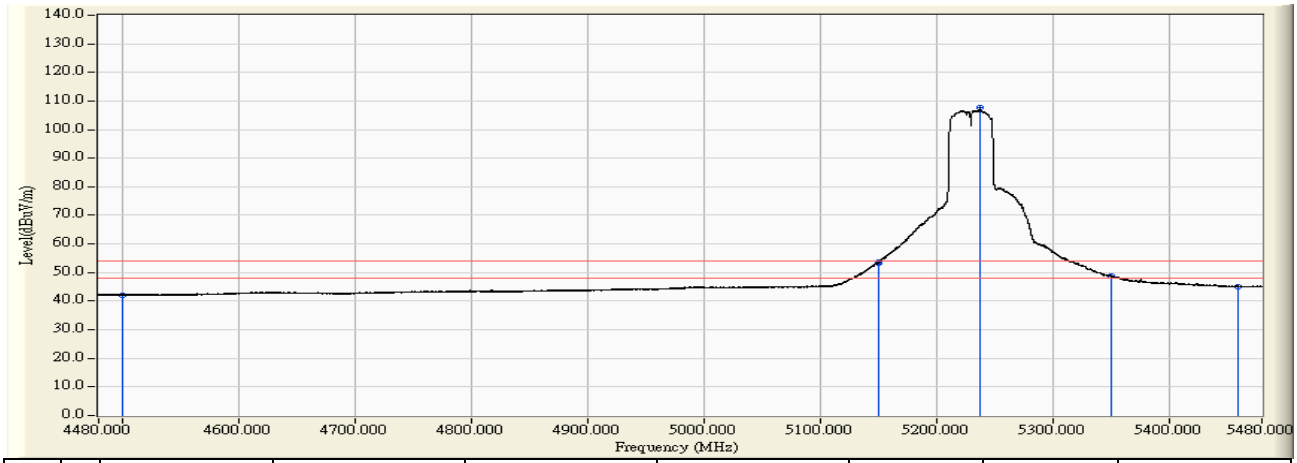


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	30.552	53.912	-20.088	74.000	PEAK
2		5145.833	25.023	44.654	69.677	-4.323	74.000	PEAK
3		5150.000	25.030	41.109	66.139	-7.861	74.000	PEAK
4	*	5235.224	25.153	93.384	118.536	44.536	74.000	PEAK
5		5350.000	25.285	35.939	61.224	-12.776	74.000	PEAK
6		5460.000	25.422	32.243	57.665	-16.335	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5230MHz**

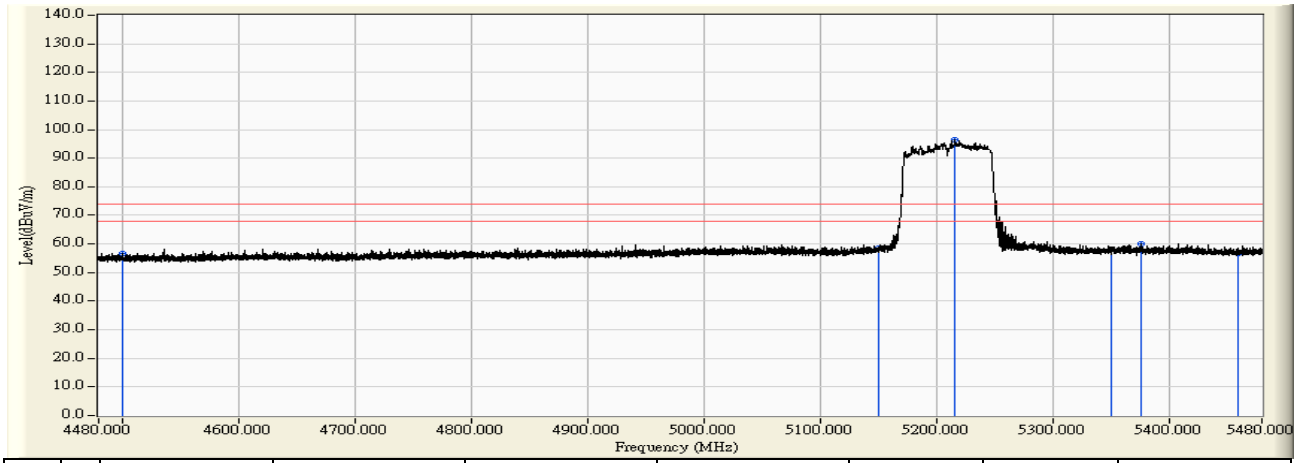


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.848	42.208	-11.792	54.000	AVERAGE
2		5149.933	25.030	28.378	53.408	-0.592	54.000	AVERAGE
3		5150.000	25.030	28.528	53.558	-0.442	54.000	AVERAGE
4	*	5237.724	25.154	82.409	107.564	53.564	54.000	AVERAGE
5		5350.000	25.285	23.490	48.775	-5.225	54.000	AVERAGE
6		5460.000	25.422	19.626	45.048	-8.952	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

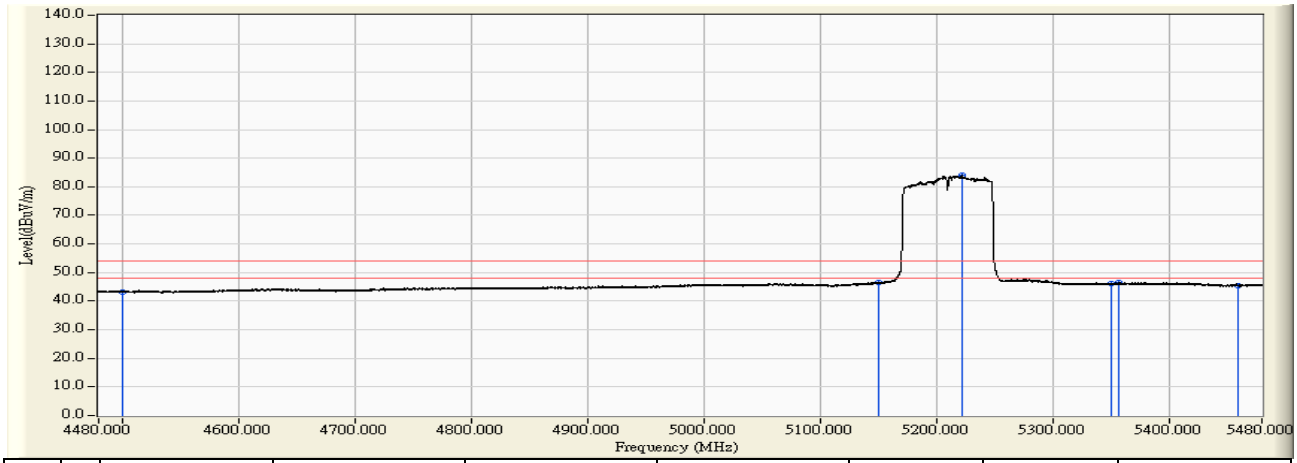


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	33.141	56.501	-17.499	74.000	PEAK
2		5150.000	25.030	33.609	58.639	-15.361	74.000	PEAK
3	*	5216.026	25.130	71.390	96.519	22.519	74.000	PEAK
4		5350.000	25.285	32.892	58.177	-15.823	74.000	PEAK
5		5376.110	25.318	34.619	59.937	-14.063	74.000	PEAK
6		5460.000	25.422	31.088	56.510	-17.490	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

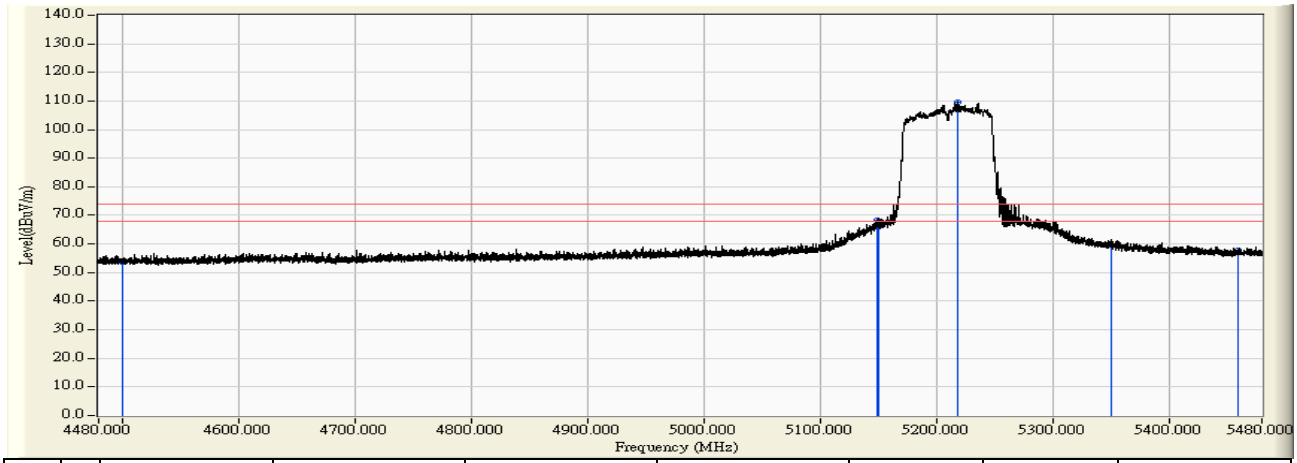


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	19.958	43.318	-10.682	54.000	AVERAGE
2		5150.000	25.030	21.428	46.458	-7.542	54.000	AVERAGE
3	*	5221.926	25.137	58.914	84.050	30.050	54.000	AVERAGE
4		5350.000	25.285	20.871	46.156	-7.844	54.000	AVERAGE
5		5357.112	25.295	21.092	46.386	-7.614	54.000	AVERAGE
6		5460.000	25.422	19.930	45.352	-8.648	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

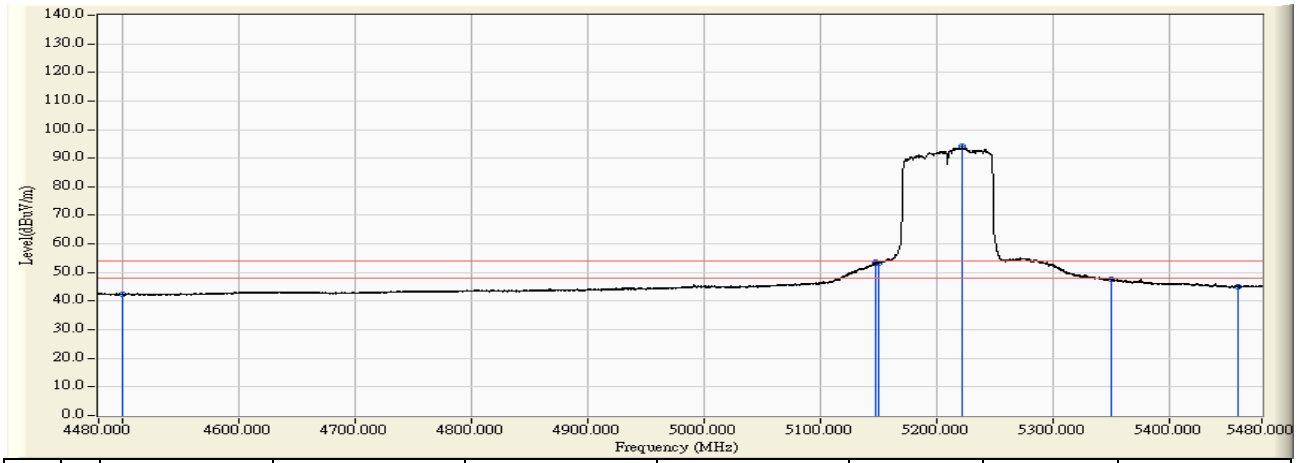


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	30.378	53.738	-20.262	74.000	PEAK
2		5149.733	25.030	43.227	68.256	-5.744	74.000	PEAK
3		5150.000	25.030	40.987	66.017	-7.983	74.000	PEAK
4	*	5218.526	25.132	84.610	109.742	35.742	74.000	PEAK
5		5350.000	25.285	34.269	59.554	-14.446	74.000	PEAK
6		5460.000	25.422	32.263	57.685	-16.315	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5210MHz**

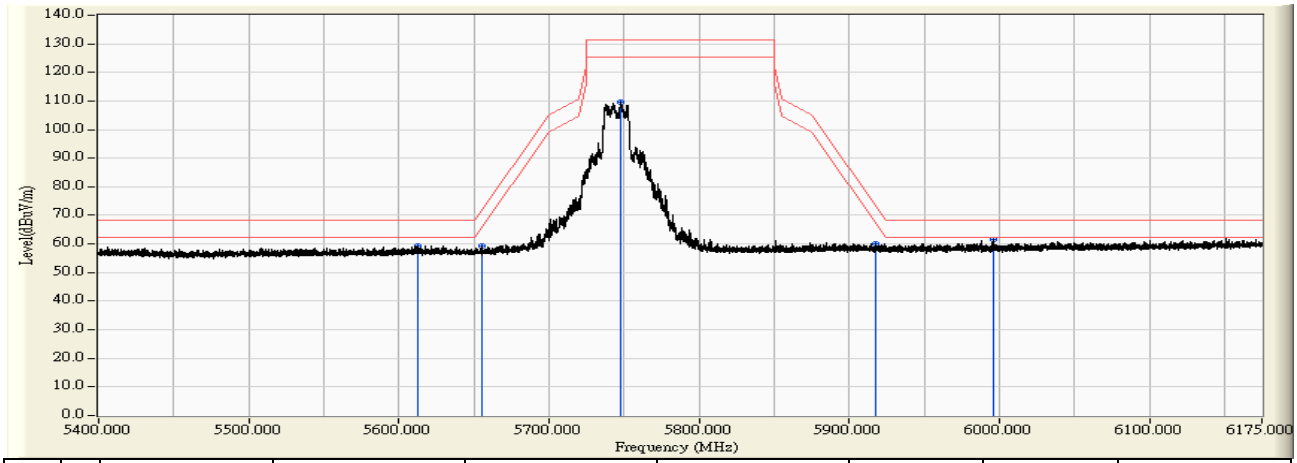


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	23.360	18.893	42.253	-11.747	54.000	AVERAGE
2		5148.233	25.027	28.589	53.616	-0.384	54.000	AVERAGE
3		5150.000	25.030	28.298	53.328	-0.672	54.000	AVERAGE
4	*	5222.226	25.137	69.182	94.319	40.319	54.000	AVERAGE
5		5350.000	25.285	22.431	47.716	-6.284	54.000	AVERAGE
6		5460.000	25.422	19.780	45.202	-8.798	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 = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5745MHz**

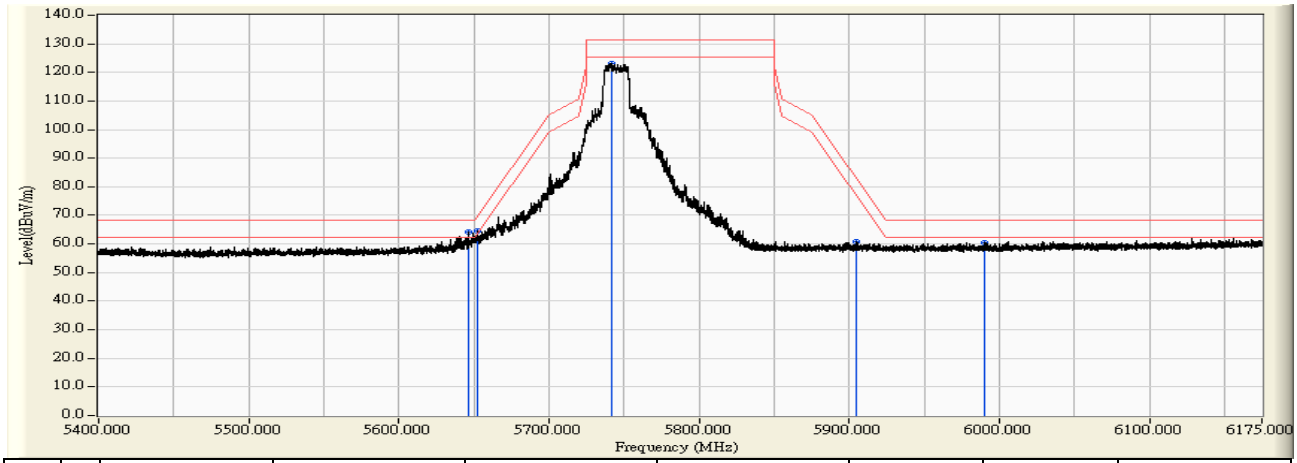


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5612.794	25.830	33.510	59.340	-8.860	68.200	PEAK
2		5655.414	25.963	33.436	59.398	-12.808	72.206	PEAK
3		5747.630	26.267	83.192	109.459	-21.741	131.200	PEAK
4		5917.648	26.795	33.129	59.924	-13.716	73.640	PEAK
5	*	5995.683	27.006	34.650	61.656	-6.544	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5745MHz**

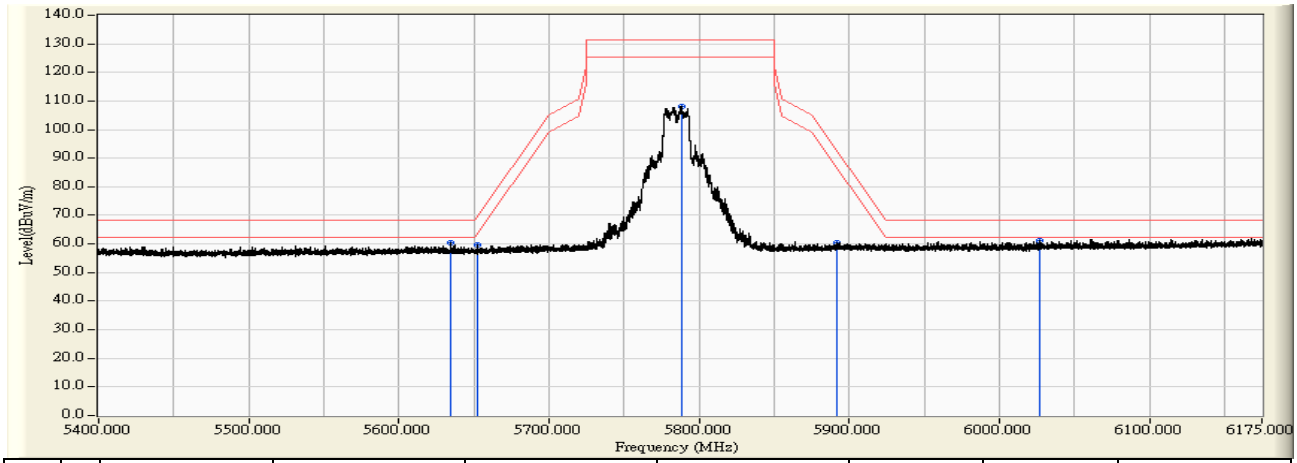


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5646.193	25.934	38.118	64.052	-4.148	68.200	PEAK
2		5652.315	25.953	38.686	64.639	-5.274	69.913	PEAK
3		5741.741	26.246	96.875	123.122	-8.078	131.200	PEAK
4		5904.552	26.758	33.890	60.649	-22.683	83.332	PEAK
5		5990.646	26.992	33.514	60.506	-7.694	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

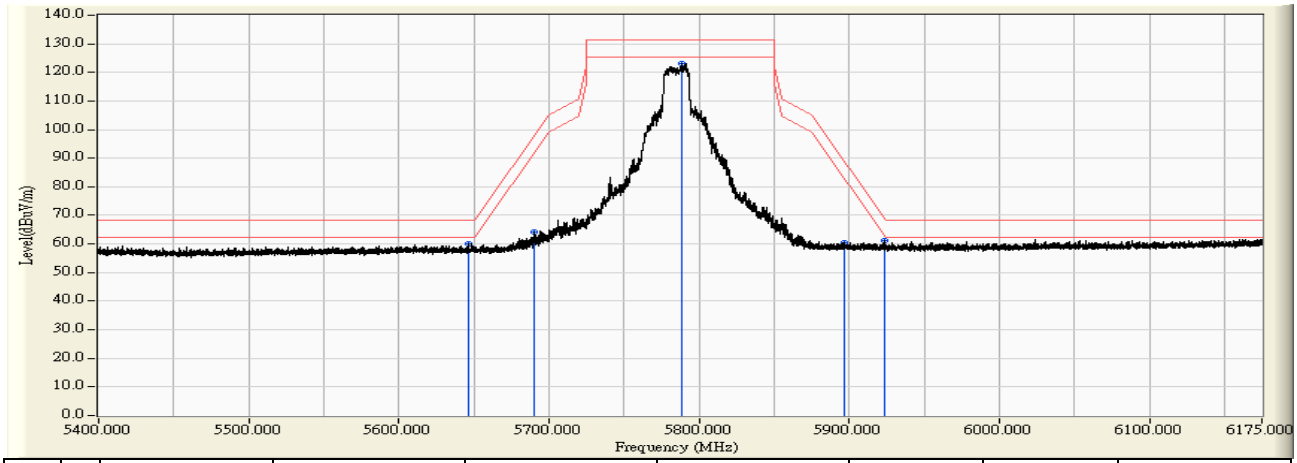


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5634.569	25.898	34.572	60.470	-7.730	68.200	PEAK
2		5652.470	25.953	33.850	59.803	-10.225	70.028	PEAK
3		5788.004	26.397	81.743	108.141	-23.059	131.200	PEAK
4		5892.076	26.722	33.754	60.476	-32.088	92.564	PEAK
5	*	6027.145	27.173	33.846	61.019	-7.181	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5785MHz**

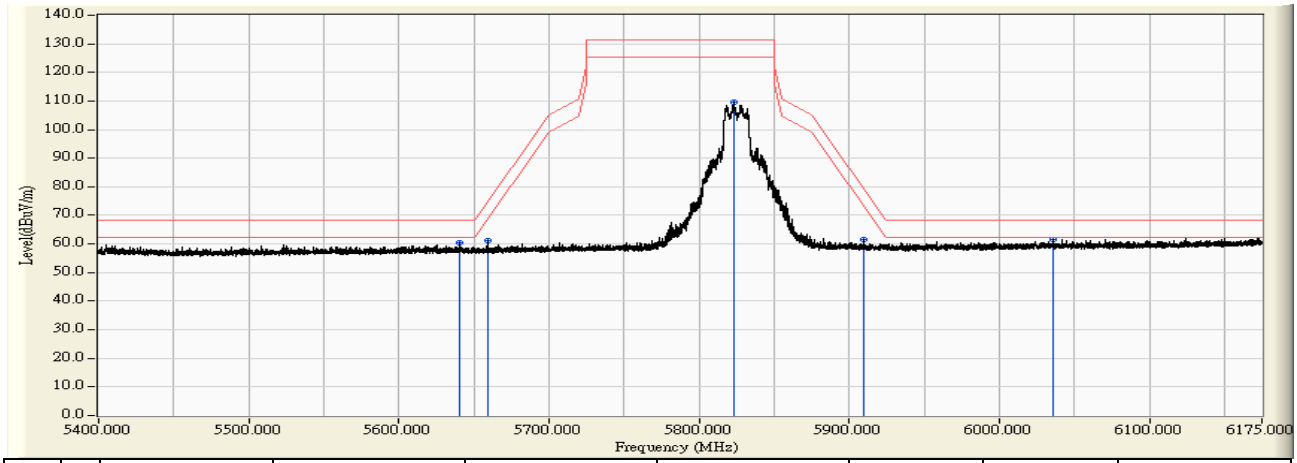


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5645.960	25.932	33.950	59.883	-8.317	68.200	PEAK
2		5690.441	26.071	37.946	64.017	-34.109	98.126	PEAK
3		5788.081	26.397	96.792	123.190	-8.010	131.200	PEAK
4		5897.268	26.738	33.684	60.422	-28.300	88.722	PEAK
5	*	5924.080	26.812	34.363	61.175	-7.706	68.881	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5825MHz**

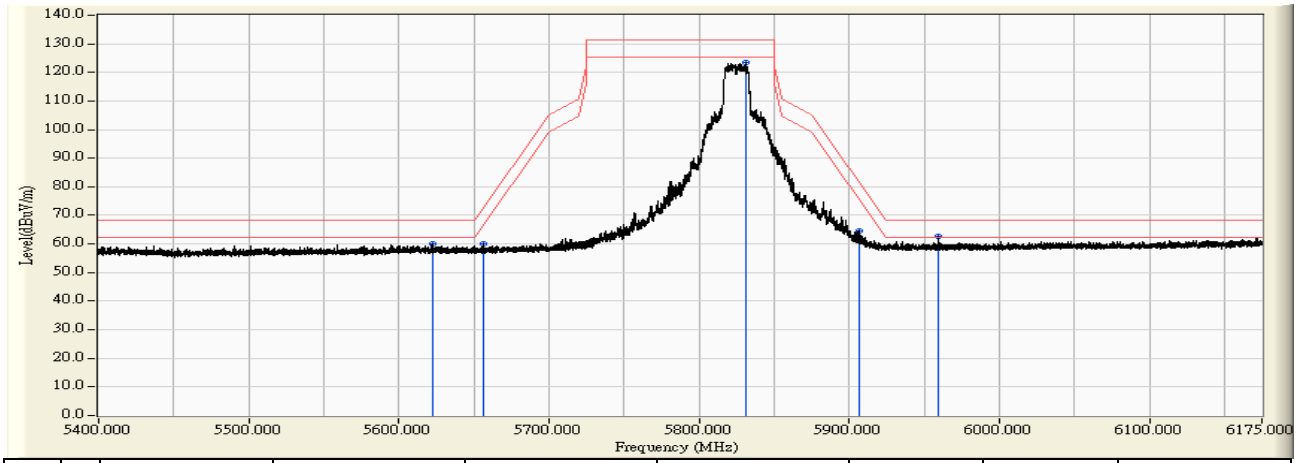


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5640.381	25.916	34.335	60.251	-7.949	68.200	PEAK
2		5659.134	25.975	35.269	61.243	-13.716	74.959	PEAK
3		5823.418	26.509	82.974	109.483	-21.717	131.200	PEAK
4		5909.977	26.774	34.819	61.593	-17.724	79.317	PEAK
5	*	6036.056	27.223	34.436	61.659	-6.541	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 1: Tx_CDD Mode (802.11 a)_ 802.11a_5825MHz**

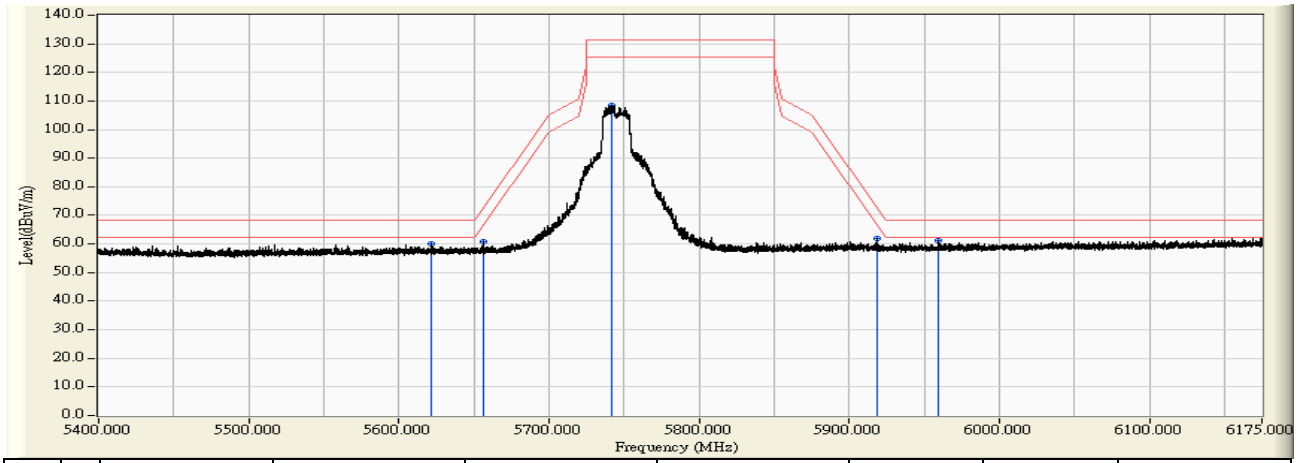


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5622.868	25.861	34.268	60.130	-8.070	68.200	PEAK
2		5656.499	25.966	34.006	59.972	-13.037	73.009	PEAK
3		5831.012	26.532	96.809	123.341	-7.859	131.200	PEAK
4		5906.799	26.766	37.736	64.501	-17.168	81.669	PEAK
5	*	5959.882	26.909	35.610	62.519	-5.681	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5745MHz**

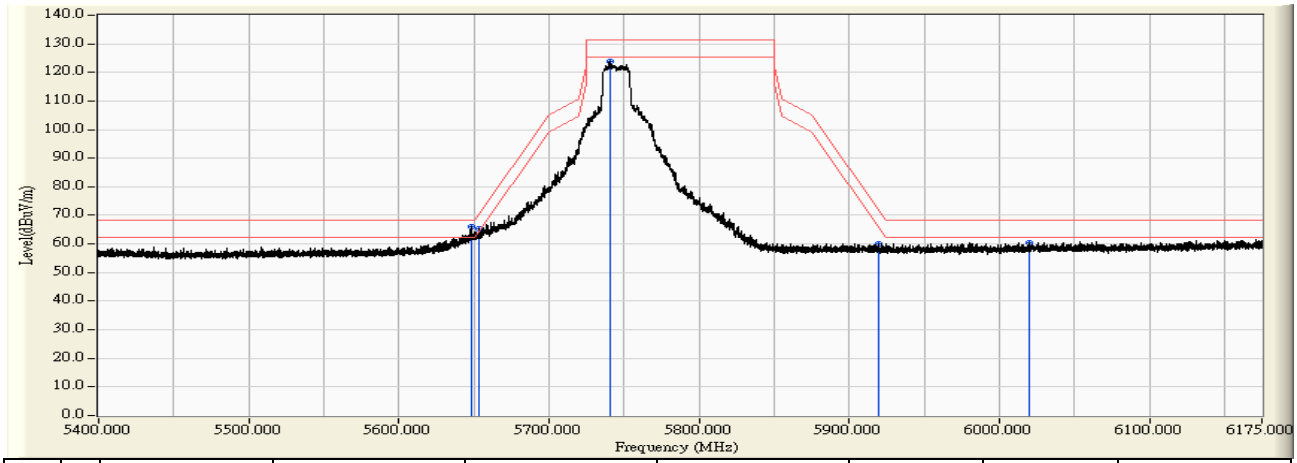


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5621.163	25.856	34.199	60.055	-8.145	68.200	PEAK
2		5656.189	25.965	34.969	60.934	-11.846	72.780	PEAK
3		5742.206	26.249	82.370	108.619	-22.581	131.200	PEAK
4		5918.811	26.798	35.120	61.918	-10.862	72.780	PEAK
5	*	5959.107	26.907	34.185	61.092	-7.108	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5745MHz**

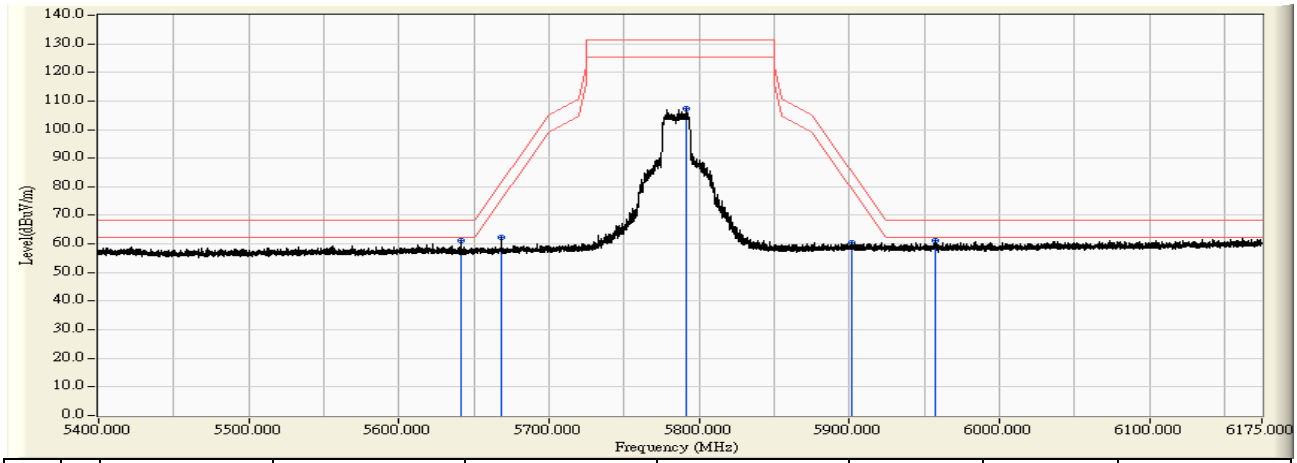


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5647.975	25.939	40.121	66.060	-2.140	68.200	PEAK
2		5653.555	25.956	39.343	65.300	-5.531	70.831	PEAK
3		5740.733	26.244	97.526	123.769	-7.431	131.200	PEAK
4		5919.586	26.800	33.208	60.008	-12.198	72.206	PEAK
5		6020.481	27.134	33.250	60.385	-7.815	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

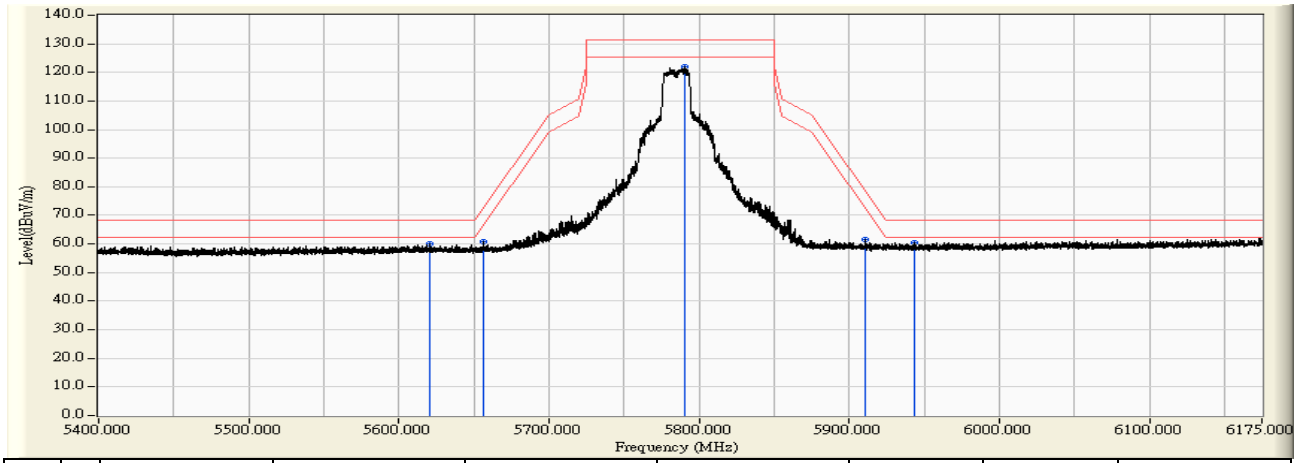


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5641.001	25.917	35.171	61.089	-7.111	68.200	PEAK
2		5667.891	26.001	36.336	62.337	-19.102	81.439	PEAK
3		5791.103	26.408	81.094	107.501	-23.699	131.200	PEAK
4		5901.297	26.750	33.724	60.474	-25.266	85.740	PEAK
5		5957.402	26.902	34.162	61.064	-7.136	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5785MHz**

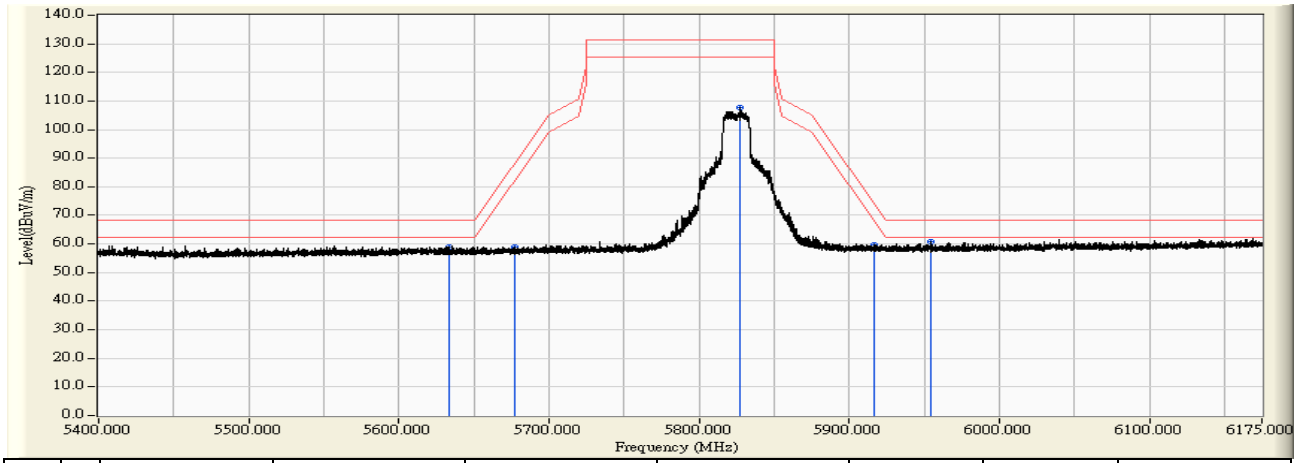


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5620.465	25.854	34.308	60.162	-8.038	68.200	PEAK
2		5656.809	25.968	34.888	60.855	-12.384	73.239	PEAK
3		5790.561	26.406	95.524	121.930	-9.270	131.200	PEAK
4		5910.751	26.776	34.794	61.570	-17.174	78.744	PEAK
5	*	5943.918	26.865	33.645	60.511	-7.689	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5825MHz**

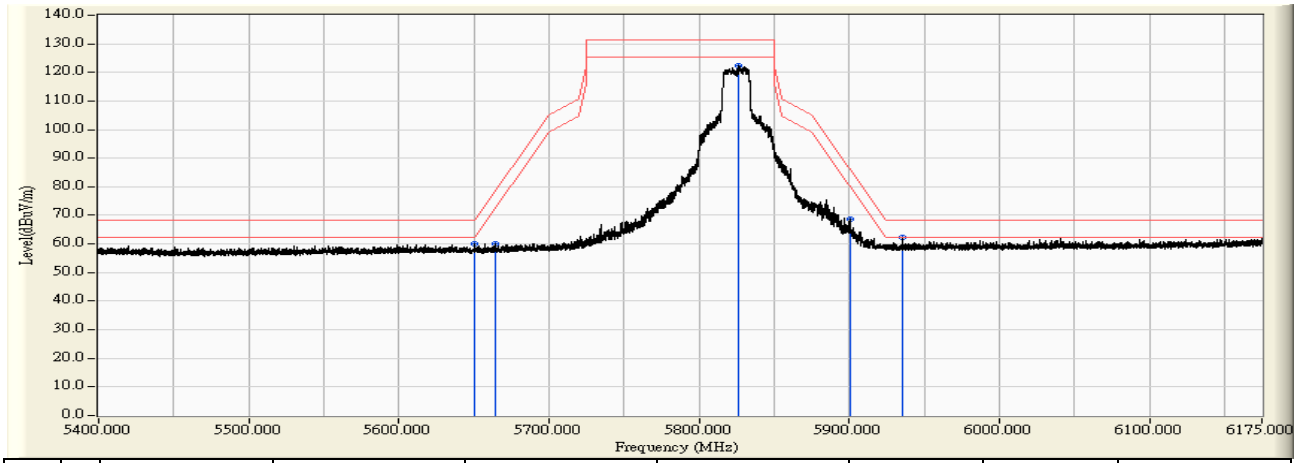


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5633.019	25.893	33.204	59.097	-9.103	68.200	PEAK
2		5677.267	26.030	32.718	58.748	-29.630	88.378	PEAK
3		5826.905	26.520	81.052	107.572	-23.628	131.200	PEAK
4		5916.873	26.793	33.062	59.854	-14.360	74.214	PEAK
5	*	5954.767	26.895	33.744	60.639	-7.561	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(20M)_5825MHz**

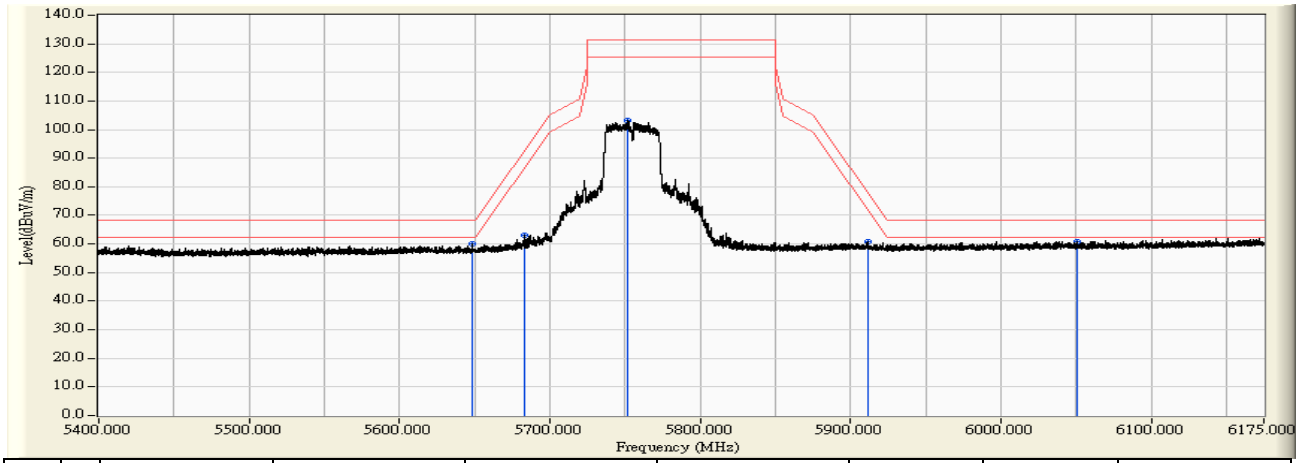


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5649.990	25.946	34.164	60.110	-8.090	68.200	PEAK
2		5664.481	25.991	33.960	59.951	-18.965	78.916	PEAK
3		5826.595	26.519	96.024	122.543	-8.657	131.200	PEAK
4		5900.368	26.748	42.108	68.856	-17.572	86.428	PEAK
5	*	5935.471	26.844	35.538	62.381	-5.819	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

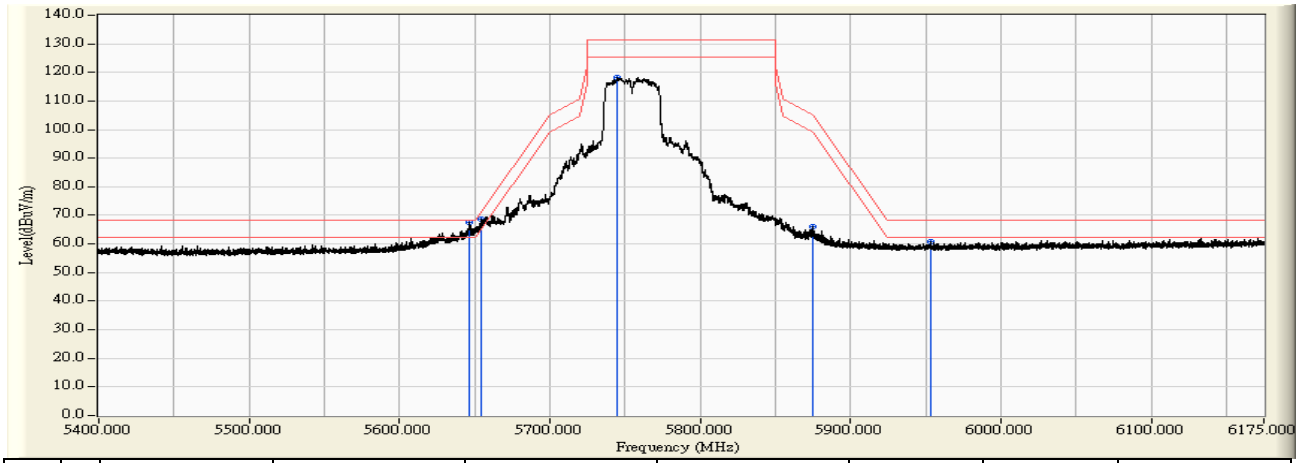


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5648.750	25.942	34.225	60.167	-8.033	68.200	PEAK
2		5682.924	26.048	37.176	63.224	-29.340	92.564	PEAK
3		5751.350	26.279	76.896	103.175	-28.025	131.200	PEAK
4		5911.216	26.777	33.914	60.691	-17.709	78.400	PEAK
5	*	6051.167	27.310	33.681	60.991	-7.209	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5755MHz**

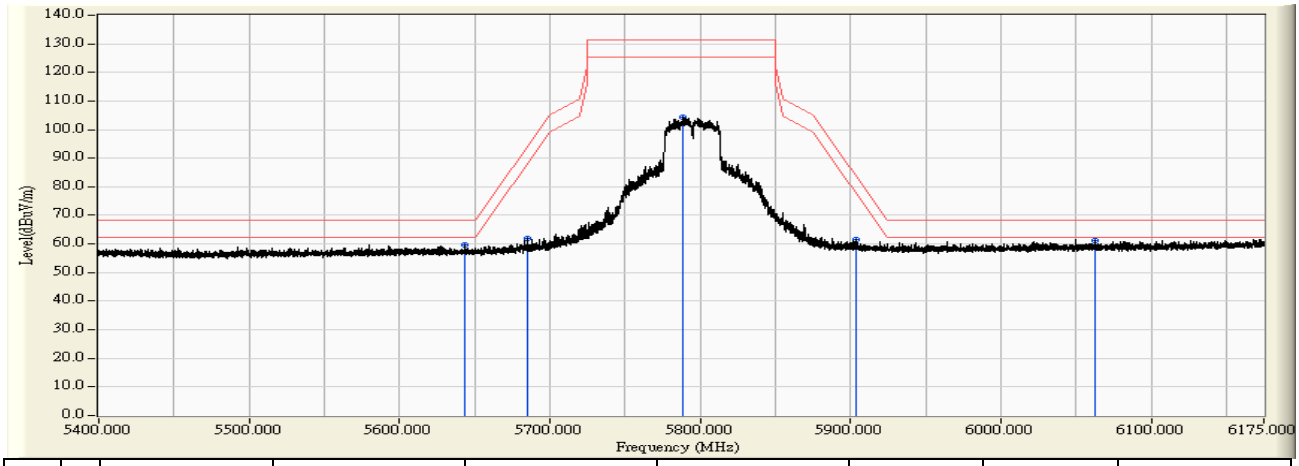


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5646.580	25.935	41.572	67.507	-0.693	68.200	PEAK
2		5654.795	25.961	42.661	68.622	-3.126	71.748	PEAK
3		5744.841	26.258	91.929	118.186	-13.014	131.200	PEAK
4		5874.795	26.668	39.278	65.946	-39.311	105.257	PEAK
5		5953.450	26.892	33.947	60.839	-7.361	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5795MHz**

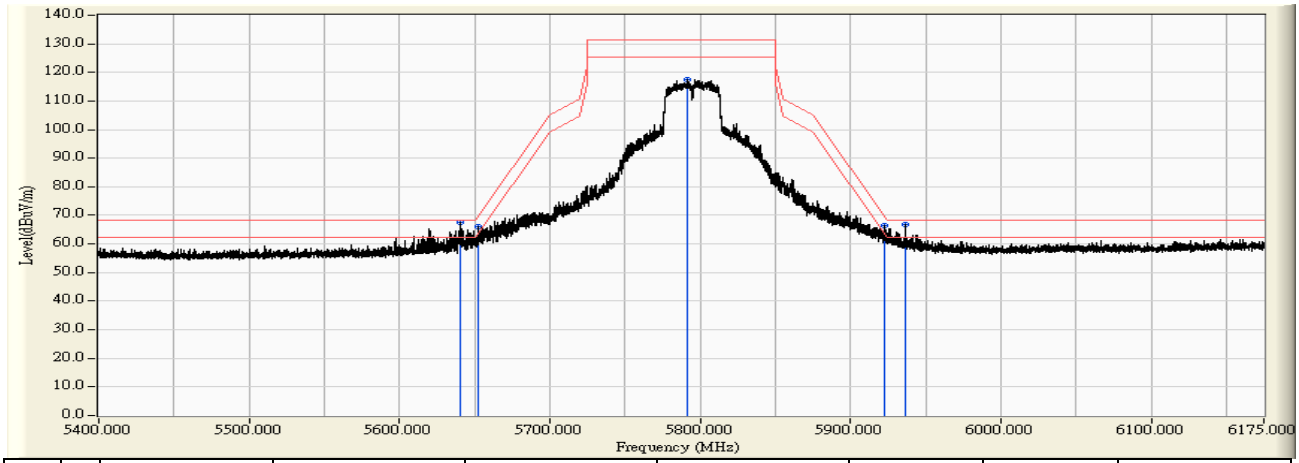


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5643.636	25.925	33.775	59.701	-8.499	68.200	PEAK
2		5685.017	26.054	35.723	61.777	-32.336	94.113	PEAK
3		5788.469	26.399	77.853	104.252	-26.948	131.200	PEAK
4		5903.467	26.756	34.876	61.632	-22.502	84.134	PEAK
5	*	6062.326	27.373	33.645	61.018	-7.182	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/04**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(40M)_5795MHz**

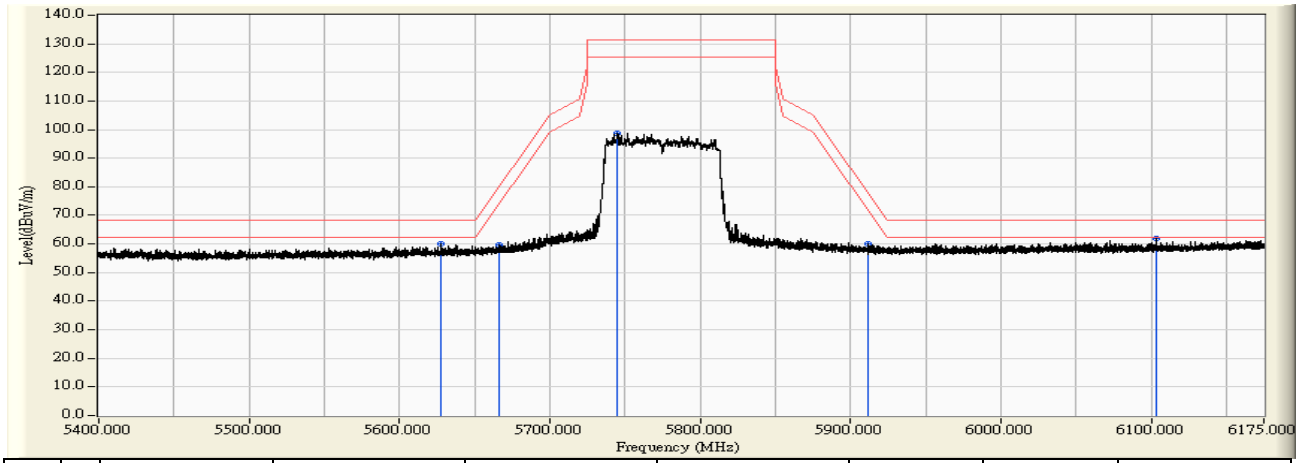


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5640.923	25.917	41.793	67.711	-0.489	68.200	PEAK
2		5652.082	25.952	40.151	66.103	-3.638	69.741	PEAK
3		5791.801	26.410	90.928	117.338	-13.862	131.200	PEAK
4		5922.995	26.809	39.680	66.489	-3.195	69.684	PEAK
5		5936.634	26.846	39.991	66.837	-1.363	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**

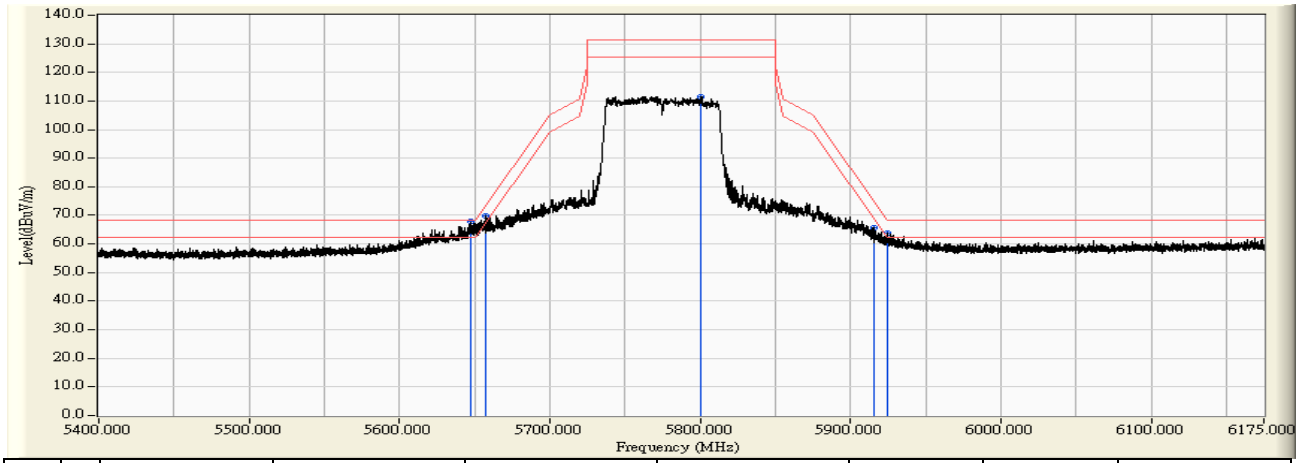


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5627.905	25.877	34.115	59.992	-8.208	68.200	PEAK
2		5665.953	25.994	33.855	59.850	-20.155	80.005	PEAK
3		5744.918	26.258	72.407	98.665	-32.535	131.200	PEAK
4		5911.216	26.777	33.416	60.193	-18.207	78.400	PEAK
5	*	6103.320	27.606	34.237	61.843	-6.357	68.200	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

Site : CB4-H	**Time : 2017/08/03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB4_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP	**Note : Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)_ 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5647.433	25.937	41.810	67.748	-0.452	68.200	PEAK
2		5657.507	25.969	43.981	69.950	-3.805	73.755	PEAK
3		5800.712	26.438	85.163	111.601	-19.599	131.200	PEAK
4		5915.401	26.789	38.934	65.722	-9.581	75.303	PEAK
5		5924.623	26.813	37.091	63.904	-4.575	68.479	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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.

8. Frequency Stability

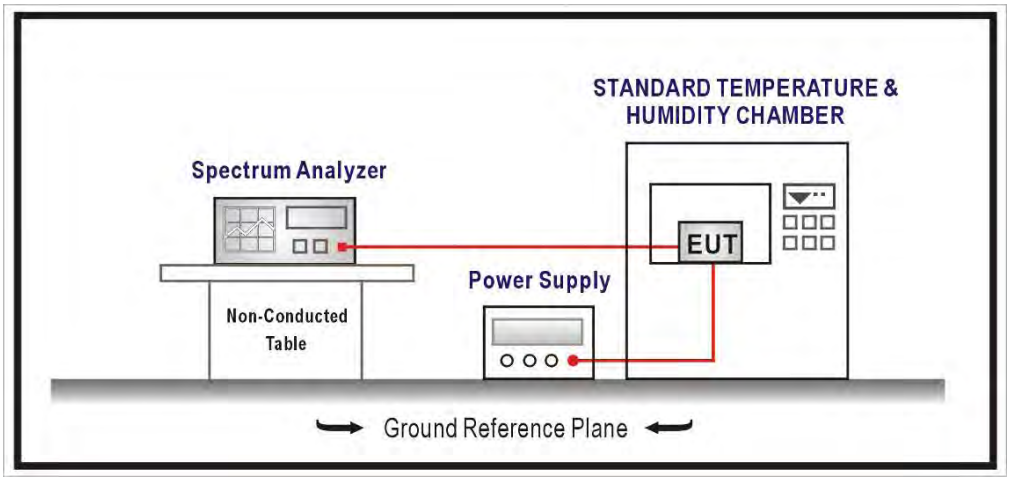
8.1. Test Equipment

The following test equipments are used during the radiated emission tests:

Frequency Stability / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Temperature & Humidity Test Chamber	WIT	TH-1S-B	1082101	2017/02/09	2018/02/08

8.2. Test Setup



8.3. Limits

Manufactures of all devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

8.4. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of 789033 D02 v01r04 for compliance to FCC 47CFR Subpart E requirements.

8.5. Uncertainty

The measurement uncertainty is defined as ± 150 Hz.

8.6. Test Result

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

20M ANT0

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5179.9134	-16.7149	Pass
-10		5179.9159	-16.2370	Pass
0		5179.9176	-15.9058	Pass
10		5179.9202	-15.3994	Pass
20		5179.9227	-14.9305	Pass
30		5179.9213	-15.1934	Pass
40		5179.9189	-15.6575	Pass
50		5179.9163	-16.1592	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9208	-15.2807	Pass
	120	5179.9227	-14.9305	Pass
	138	5179.9203	-15.3842	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

20M ANT1

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5179.9129	-16.8195	Pass
-10		5179.9149	-16.4381	Pass
0		5179.9169	-16.0390	Pass
10		5179.9199	-15.4706	Pass
20		5179.9216	-15.1293	Pass
30		5179.9202	-15.4081	Pass
40		5179.9189	-15.6590	Pass
50		5179.9164	-16.1306	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9200	-15.4404	Pass
	120	5179.9216	-15.1293	Pass
	138	5179.9192	-15.5980	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
Date of Test	2017/08/09	Test Site	SR10-H

20M ANT0

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5239.9103	-17.1138	Pass
-10		5239.9125	-16.7069	Pass
0		5239.9150	-16.2256	Pass
10		5239.9173	-15.7812	Pass
20		5239.9202	-15.2290	Pass
30		5239.9173	-15.7890	Pass
40		5239.9162	-15.9912	Pass
50		5239.9136	-16.4885	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.9180	-15.6570	Pass
	120	5239.9202	-15.2290	Pass
	138	5239.9174	-15.7648	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5239.9129	-16.6206	Pass
-10		5239.9149	-16.2395	Pass
0		5239.9165	-15.9289	Pass
10		5239.9190	-15.4612	Pass
20		5239.9212	-15.0458	Pass
30		5239.9195	-15.3654	Pass
40		5239.9173	-15.7749	Pass
50		5239.9158	-16.0619	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.9187	-15.5155	Pass
	120	5239.9212	-15.0458	Pass
	138	5239.9195	-15.3535	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5189.9110	-17.1495	Pass
-10		5189.9138	-16.6146	Pass
0		5189.9167	-16.0417	Pass
10		5189.9180	-15.7998	Pass
20		5189.9203	-15.3642	Pass
30		5189.9173	-15.9372	Pass
40		5189.9149	-16.3908	Pass
50		5189.9137	-16.6326	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5189.9185	-15.7021	Pass
	120	5189.9203	-15.3642	Pass
	138	5189.9183	-15.7379	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5189.9124	-16.8724	Pass
-10		5189.9135	-16.6738	Pass
0		5189.9153	-16.3210	Pass
10		5189.9175	-15.8935	Pass
20		5189.9194	-15.5376	Pass
30		5189.9173	-15.9283	Pass
40		5189.9153	-16.3208	Pass
50		5189.9133	-16.7103	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5189.9167	-16.0582	Pass
	120	5189.9194	-15.5376	Pass
	138	5189.9176	-15.8671	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5229.9115	-16.9275	Pass
-10		5229.9138	-16.4728	Pass
0		5229.9154	-16.1778	Pass
10		5229.9181	-15.6538	Pass
20		5229.9195	-15.3901	Pass
30		5229.9183	-15.6176	Pass
40		5229.9165	-15.9706	Pass
50		5229.9136	-16.5244	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5229.9183	-15.6226	Pass
	120	5229.9195	-15.3901	Pass
	138	5229.9174	-15.7958	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5229.9133	-16.5696	Pass
-10		5229.9150	-16.2443	Pass
0		5229.9178	-15.7129	Pass
10		5229.9190	-15.4942	Pass
20		5229.9205	-15.2065	Pass
30		5229.9182	-15.6383	Pass
40		5229.9166	-15.9468	Pass
50		5229.9142	-16.4099	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5229.9184	-15.6063	Pass
	120	5229.9205	-15.2065	Pass
	138	5229.9187	-15.5505	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5209.9119	-16.9148	Pass
-10		5209.9145	-16.4193	Pass
0		5209.9161	-16.1118	Pass
10		5209.9184	-15.6617	Pass
20		5209.9195	-15.4607	Pass
30		5209.9167	-15.9930	Pass
40		5209.9139	-16.5185	Pass
50		5209.9115	-16.9905	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5209.9178	-15.7864	Pass
	120	5209.9195	-15.4607	Pass
	138	5209.9180	-15.7325	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5209.9158	-16.1668	Pass
-10		5209.9184	-15.6618	Pass
0		5209.9196	-15.4353	Pass
10		5209.9208	-15.2086	Pass
20		5209.9224	-14.8906	Pass
30		5209.9196	-15.4248	Pass
40		5209.9169	-15.9428	Pass
50		5209.9153	-16.2635	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5209.9208	-15.2107	Pass
	120	5209.9224	-14.8906	Pass
	138	5209.9199	-15.3790	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5744.9045	-18.4374	Pass
-10		5744.9057	-18.2001	Pass
0		5744.9084	-17.6903	Pass
10		5744.9099	-17.3973	Pass
20		5744.9117	-17.0560	Pass
30		5744.9089	-17.5834	Pass
40		5744.9060	-18.1386	Pass
50		5744.9032	-18.6884	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5744.9087	-15.8957	Pass
	120	5744.9117	-15.3786	Pass
	138	5744.9091	-15.8205	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5744.9010	-19.1152	Pass
-10		5744.9039	-18.5501	Pass
0		5744.9051	-18.3236	Pass
10		5744.9078	-17.7995	Pass
20		5744.9106	-17.2568	Pass
30		5744.9085	-17.6623	Pass
40		5744.9065	-18.0567	Pass
50		5744.9046	-18.4075	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5744.9094	-15.7634	Pass
	120	5744.9106	-15.5596	Pass
	138	5744.9092	-15.8094	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5824.9037	-16.5308	Pass
-10		5824.9062	-16.0982	Pass
0		5824.9084	-15.7256	Pass
10		5824.9104	-15.3895	Pass
20		5824.9114	-15.2086	Pass
30		5824.9102	-15.4191	Pass
40		5824.9091	-15.5991	Pass
50		5824.9062	-16.1099	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5824.9096	-15.5195	Pass
	120	5824.9114	-15.2086	Pass
	138	5824.9103	-15.3995	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5824.9019	-16.8482	Pass
-10		5824.9035	-16.5585	Pass
0		5824.9052	-16.2694	Pass
10		5824.9076	-15.8614	Pass
20		5824.9104	-15.3837	Pass
30		5824.9075	-15.8723	Pass
40		5824.9057	-16.1851	Pass
50		5824.9041	-16.4614	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5824.9089	-15.6415	Pass
	120	5824.9104	-15.3837	Pass
	138	5824.9087	-15.6734	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5754.9028	-18.7254	Pass
-10		5754.9053	-18.2496	Pass
0		5754.9074	-17.8399	Pass
10		5754.9086	-17.6024	Pass
20		5754.9112	-17.1098	Pass
30		5754.9083	-17.6632	Pass
40		5754.9063	-18.0500	Pass
50		5754.9051	-18.2937	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5754.9083	-15.9335	Pass
	120	5754.9112	-15.4301	Pass
	138	5754.9101	-15.6197	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5754.9056	-18.1852	Pass
-10		5754.9074	-17.8370	Pass
0		5754.9099	-17.3678	Pass
10		5754.9111	-17.1275	Pass
20		5754.9128	-16.8035	Pass
30		5754.9102	-17.2982	Pass
40		5754.9080	-17.7190	Pass
50		5754.9060	-18.1124	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5754.9102	-15.6076	Pass
	120	5754.9128	-15.1538	Pass
	138	5754.9105	-15.5522	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5794.9031	-16.7239	Pass
-10		5794.9046	-16.4602	Pass
0		5794.9063	-16.1680	Pass
10		5794.9083	-15.8160	Pass
20		5794.9111	-15.3494	Pass
30		5794.9088	-15.7408	Pass
40		5794.9066	-16.1165	Pass
50		5794.9045	-16.4749	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5794.9100	-15.5391	Pass
	120	5794.9111	-15.3494	Pass
	138	5794.9089	-15.7203	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5794.9034	-16.6755	Pass
-10		5794.9052	-16.3672	Pass
0		5794.9078	-15.9134	Pass
10		5794.9101	-15.5049	Pass
20		5794.9122	-15.1527	Pass
30		5794.9110	-15.3622	Pass
40		5794.9092	-15.6689	Pass
50		5794.9068	-16.0891	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5794.9106	-15.4249	Pass
	120	5794.9122	-15.1527	Pass
	138	5794.9100	-15.5256	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5774.9023	-16.9232	Pass
-10		5774.9051	-16.4395	Pass
0		5774.9067	-16.1587	Pass
10		5774.9092	-15.7288	Pass
20		5774.9105	-15.4961	Pass
30		5774.9078	-15.9584	Pass
40		5774.9061	-16.2525	Pass
50		5774.9043	-16.5745	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5774.9088	-15.7845	Pass
	120	5774.9105	-15.4961	Pass
	138	5774.9079	-15.9513	Pass

Product	Spark Wave 2 AC1200 - Dualband Concurrent Enterprise AP		
Test Item	Frequency Stability		
Test Mode	Mode 2: Tx _MIMO Mode (802.11ac 20/40/80)		
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Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5774.9055	-16.3564	Pass
-10		5774.9073	-16.0453	Pass
0		5774.9088	-15.8003	Pass
10		5774.9105	-15.4944	Pass
20		5774.9123	-15.1896	Pass
30		5774.9098	-15.6152	Pass
40		5774.9071	-16.0864	Pass
50		5774.9061	-16.2641	Pass

Temperature Interval (℃)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5774.9112	-15.3723	Pass
	120	5774.9123	-15.1896	Pass
	138	5774.9099	-15.6102	Pass