FCC Test Report

Product Name	23.1 inches Bar type Digital Signage
Model No	D230
FCC ID	S8CD230

Applicant	Shuttle Inc.
Address	No.30,Lane76,Rei Kuang Rd.,Nei-Hu Dist.,Taipei, Taiwan R.O.C.

Date of Receipt	Aug. 29, 2019
Issued Date	Nov. 12, 2019
Report No.	1980460R-RFUSP08V00
Report Version	V1.0

The test results relate only to the samples tested.
The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
This report must not be used to claim product endorsement by TAF or any agency of the government.
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Test Report

Issued Date: Nov. 12, 2019
Report No.: 1980460R-RFUSP08V00

Product Name	23.1 inches Bar type Digital Signage
Applicant	Shuttle Inc.
Address	No.30,Lane76,Rei Kuang Rd.,Nei-Hu Dist.,Taipei, Taiwan R.O.C.
Manufacturer	Shuttle Inc.
Model No.	D230
FCC ID.	S8CD230
EUT Rated Voltage	AC 100-240V, 50-60Hz
EUT Test Voltage	AC 120V/60Hz
Trade Name	Shuttle
Applicable Standard	FCC CFR Title 47 Part 15 Subpart E ANSI C63.4: 2014, ANSI C63.10: 2013 KDB Publication 789033
Test Result	Complied

Documented By : Rita Huang

(Senior Adm. Specialist / Rita Huang)

Tested By : Jay Su

(Engineer / Jay Su)

Approved By :

(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	23.1 inches Bar type Digital Signage
Trade Name	Shuttle
FCC ID.	S8CD230
Model No.	D230
Frequency Range	802.11a/n-20MHz: 5180-5320MHz, 5500-5700MHz, 5745-5825MHz 802.11n-40MHz: 5190-5310, 5510-5670MHz, 5755-5795MHz 802.11ac-20MHz: 5180-5320MHz, 5500-5720MHz, 5745-5825MHz 802.11ac-40MHz: 5190-5310, 5510-5710MHz, 5755-5795MHz 802.11ac-80MHz: 5210-5290MHz, 5530-5690MHz, 5775MHz
Number of Channels	802.11a/n-20MHz: 24; 802.11n-40MHz: 11 802.11ac-20MHz: 25, 802.11ac-40MHz: 12, 802.11ac-80MHz: 6
Data Rate	802.11a: 6 - 54Mbps 802.11n: up to 150Mbps 802.11ac-80MHz: up to 433.3MHz
Channel Control	Auto
Type of Modulation	802.11a/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Type	PCB Antenna
Antenna Gain	Refer to the table “Antenna List”
Power Adapter	MFR: APD, M/N: WA-24Q12FU Input: 100-240V, 50-60Hz, 0.7A Output: 12V, 2A Cable out: Non-Shielded, 1.8m, with one ferrite core bonded.

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	WGT	43R-D23001-0300	PCB Antenna	3.71 dBi for 5.150~5.250GHz 2.54 dBi for 5.250~5.350GHz 3.45 dBi for 5.470~5.725GHz 3.67 dBi for 5.725~5.850GHz

Note: 1. The antenna of EUT is conform to FCC 15.203.

802.11a/n-20MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 36:	5180 MHz	Channel 40:	5200 MHz	Channel 44:	5220 MHz	Channel 48:	5240 MHz
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 120:	5600 MHz	Channel 124:	5620 MHz	Channel 128:	5640 MHz
Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz	Channel 149:	5745 MHz
Channel 153:	5765 MHz	Channel 157:	5785 MHz	Channel 161:	5805 MHz	Channel 165:	5825 MHz

802.11n-40MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 38:	5190 MHz	Channel 46:	5230 MHz	Channel 54:	5270 MHz	Channel 62:	5310 MHz
Channel 102:	5510 MHz	Channel 110:	5550 MHz	Channel 118:	5590 MHz	Channel 126:	5630 MHz
Channel 134:	5670 MHz	Channel 151:	5755 MHz	Channel 159:	5795 MHz		

802.11ac-20MHz Center Working Frequency of Each Channel:

Channel	Frequency
Channel 144:	5720 MHz

802.11ac-40MHz Center Working Frequency of Each Channel:

Channel	Frequency
Channel 142:	5710 MHz

802.11ac-80MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 42:	5210 MHz	Channel 58:	5290 MHz	Channel 106:	5530 MHz	Channel 122:	5610 MHz
Channel 138:	5690 MHz	Channel 155:	5775 MHz				

Note:

1. This device is a 23.1 inches Bar type Digital Signage,Contains functions and so on WLAN (802.11a/b/g/n/ac) with Bluetooth (5.0 and V3.0, V2.1+EDR) combo card module transceiver, this report for 5GHz WLAN.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. At result of pretests, module supports dual-channel transmission, only the worst case is shown in the report.
4. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
5. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
6. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.

Test Mode	Mode 1: Transmit (802.11a-6Mbps)
	Mode 2: Transmit (802.11n-20BW 7.2Mbps)
	Mode 3: Transmit (802.11n-40BW 15Mbps)
	Mode 4: Transmit (802.11ac-20BW-7.2Mbps)
	Mode 5: Transmit (802.11ac-40BW-15Mbps)
	Mode 6: Transmit (802.11ac-80BW-32.5Mbps)

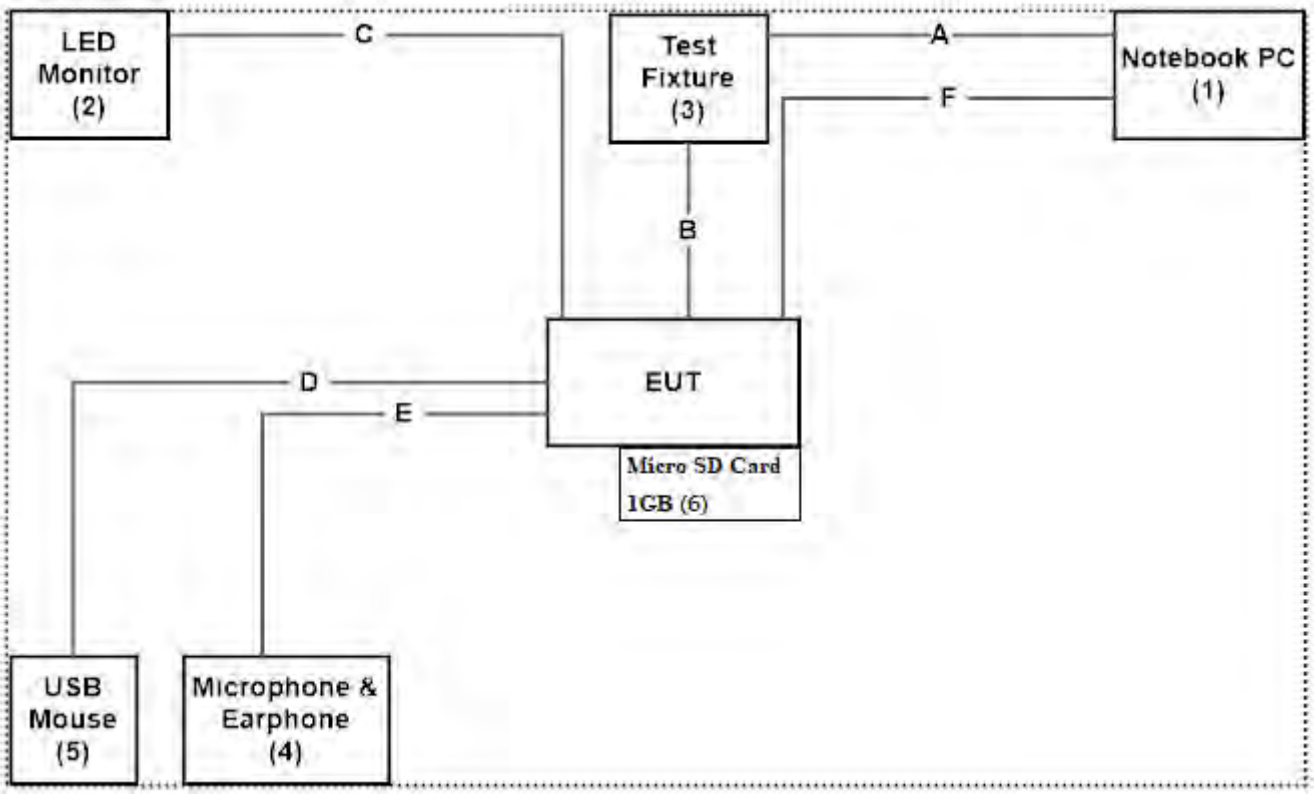
1.3. Tested System Datails

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

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5491	1PL56S2	Non-Shielded, 0.8m
2	LED Monitor	ViewSonic	VX2257-mhd	UFY163502150	Non-Shielded, 1.8m
3	Test Fixture	N/A	N/A	N/A	N/A
4	Microphone & Earphone	RONEVER	MOE241	N/A	N/A
5	USB Mouse	Logitech	M-U0026	1245HS0684F8	N/A
6	Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A

Signal Cable Type		Signal cable Description
A	Test Fixture Cable	Non-Shielded, 1.2m
B	Test Fixture Cable	Non-Shielded, 0.2m
C	HCMI Cable	Non-Shielded, 1.8m
D	USB Cable	Shielded, 1.8m
E	Microphone & Earphone Cable	Non-Shielded, 1.2m
F	LAN Cable	Non-Shielded, 2.0m

1.4. Configuration of tested System



1.5. EUT Exercise Software

1. Setup the EUT as shown in Section 1.4.
2. Execute software “Ampak RF Test Tool (Ver6.1)” on the Notebook PC.
3. Configure the test mode, the test channel, and the data rate.
4. Press “OK” to start the continuous Transmit.
5. Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	10~40 °C	23°C
	Humidity (%RH)	10~90 %	70%
Radiated Emission	Temperature (°C)	10~40 °C	25°C
	Humidity (%RH)	10~90 %	72%
Conductive	Temperature (°C)	10~40 °C	23°C
	Humidity (%RH)	10~90 %	70%

USA : FCC Registration Number: TW3023

Canada : IC Registration Number: 4075A

Site Description: Accredited by TAF
Accredited Number: 3023

Test Laboratory: DEKRA Testing and Certification Co., Ltd
Address: No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C.
Phone number: 886-2-8601-3788
Fax number: 886-2-8601-3789
Email address: info.tw@dekra.com
Website: http://www.dekra.com.tw

1.7. List of Test Equipment

For Conducted measurements /CB3/SR8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
	Temperature Chamber	WIT GROUP	TH-1S-B	EQ-201-00146	2019/02/12	2020/02/11
X	Spectrum Analyzer	Agilent	N9010A	MY48030495	2019/10/13	2020/10/12
X	Peak Power Analyzer	Keysight	8990B	MY51000410	2019/08/01	2020/07/31
X	Wideband Power Sensor	Keysight	N1923A	MY56080003	2019/07/25	2020/07/24
X	Wideband Power Sensor	Keysight	N1923A	MY56080004	2019/07/25	2020/07/24
X	EMI Test Receiver	R&S	ESCS 30	100369	2019/11/07	2020/11/06
X	LISN	R&S	ESH3-Z5	836679/017	2019/02/09	2020/02/08
X	LISN	R&S	ENV216	100097	2019/02/09	2020/02/08
X	Coaxial Cable	DEKRA	RG 400	LC018-RG	2019/06/21	2020/06/20

For Radiated measurements /Site3/CB8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
X	Spectrum Analyzer	R&S	FSP40	100170	2019/03/12	2020/03/11
	Loop Antenna	Teseq	HLA6121	37133	2019/10/13	2021/10/12
X	Bilog Antenna	Schaffner Chase	CBL6112B	2707	2019/06/24	2020/06/23
X	Coaxial Cable	DEKRA	RG 214	LC003-RG	2019/06/14	2020/06/13
X	Pre-Amplifier	Jet-Power	JPA-10M1G33	170101000330010	2019/06/14	2020/06/13
X	Horn Antenna	ETS-Lindgren	3117	00135205	2019/05/03	2020/05/02
X	Pre-Amplifier	EMCI	EMC012630SE	980210	2019/04/10	2020/04/09
X	Horn Antenna	Com-Power	AH-840	101043	2019/01/09	2020/01/08
X	Amplifier + Cable	EMCI	EMC184045SE	980370	2019/03/21	2020/03/20
X	Filter	MICRO-TRONICS	BRM50702	G270	2019/08/06	2020/08/05
X	Filter	MICRO-TRONICS	BRM50716	G196	2019/08/06	2020/08/05

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “X” are used to measure the final test results.
3. Test Software version : QuieTek EMI 2.0 V2.1.113.

1.8. Uncertainty

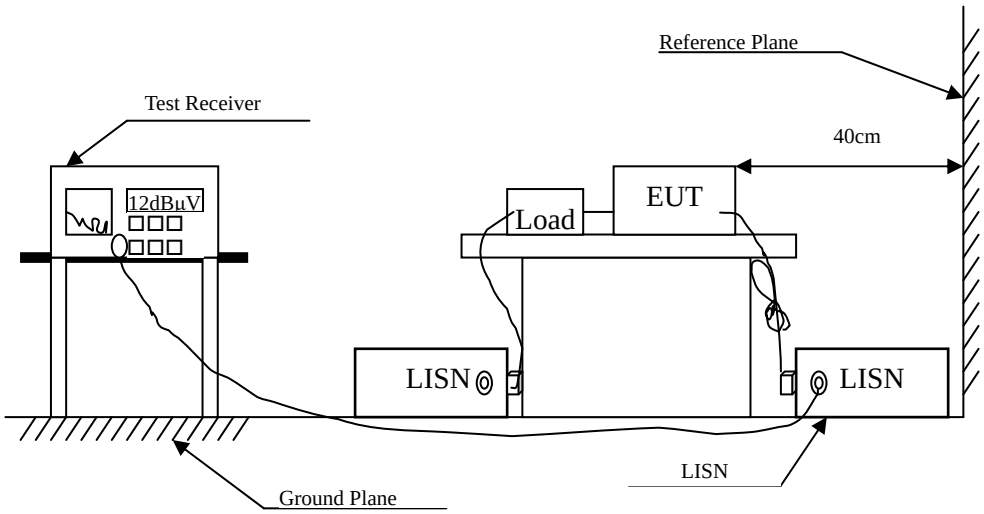
Uncertainties have been calculated according to the DEKRA internal document, and is described in each test chapter of this report.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

2. Conducted Emission

2.1. Test Setup



2.2. Limits

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

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

2.3. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4:2014 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

The EUT was setup to ANSI C63.4, 2014; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

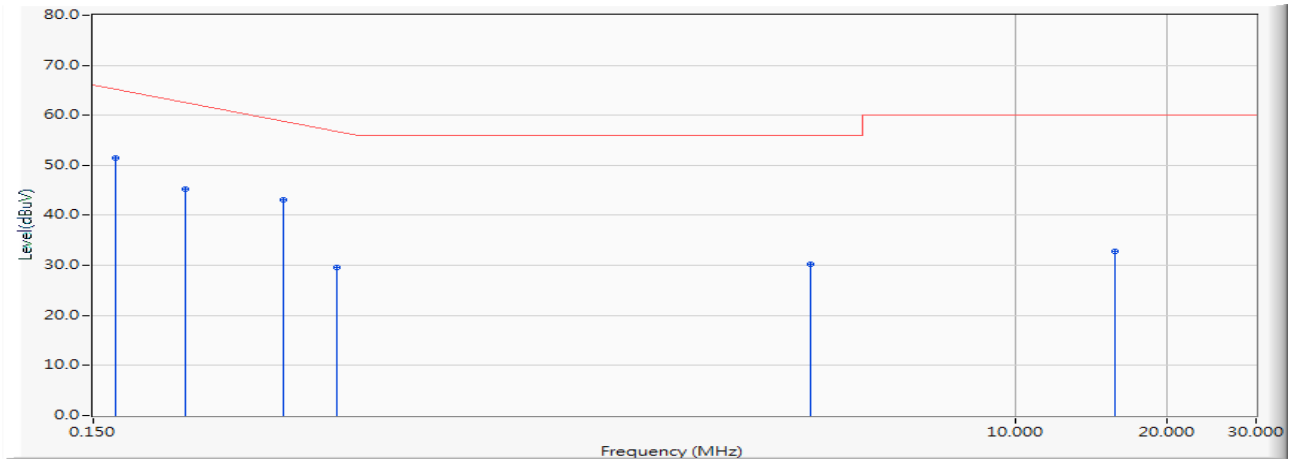
2.4. Uncertainty

± 2.26 dB

2.5. Test Result of Conducted Emission

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 1
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

Line1



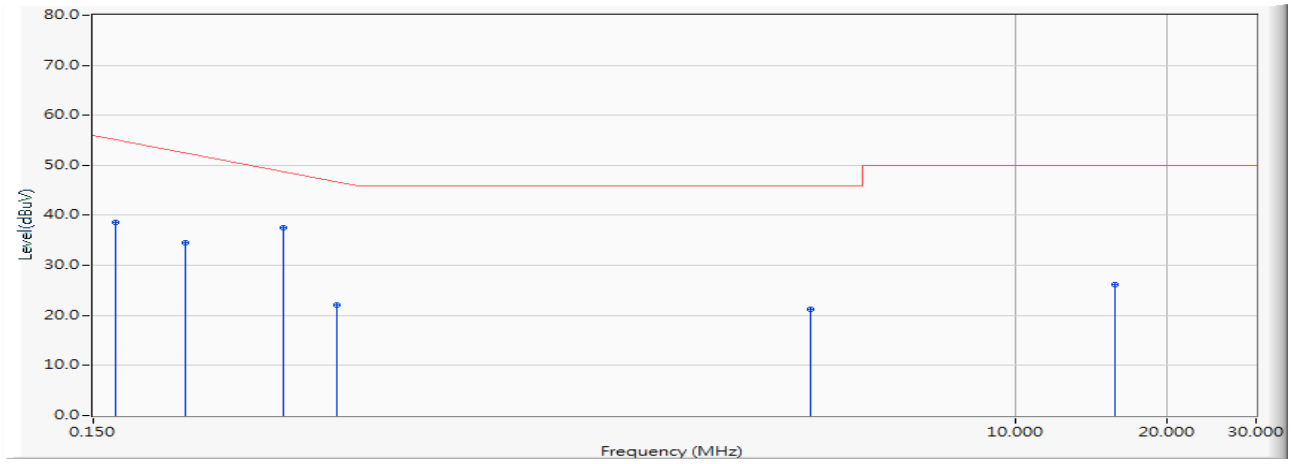
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	9.669	41.880	51.549	-13.994	65.543	QUASIPEAK
2		0.228	9.672	35.540	45.212	-18.559	63.771	QUASIPEAK
3		0.357	9.679	33.520	43.199	-16.887	60.086	QUASIPEAK
4		0.455	9.684	20.020	29.704	-27.582	57.286	QUASIPEAK
5		3.947	9.839	20.380	30.219	-25.781	56.000	QUASIPEAK
6		15.798	10.115	22.780	32.895	-27.105	60.000	QUASIPEAK

Note:

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

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Conducted Emission Test
Power Line	:	Line 1
Test Date	:	2019/10/04
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

Line1



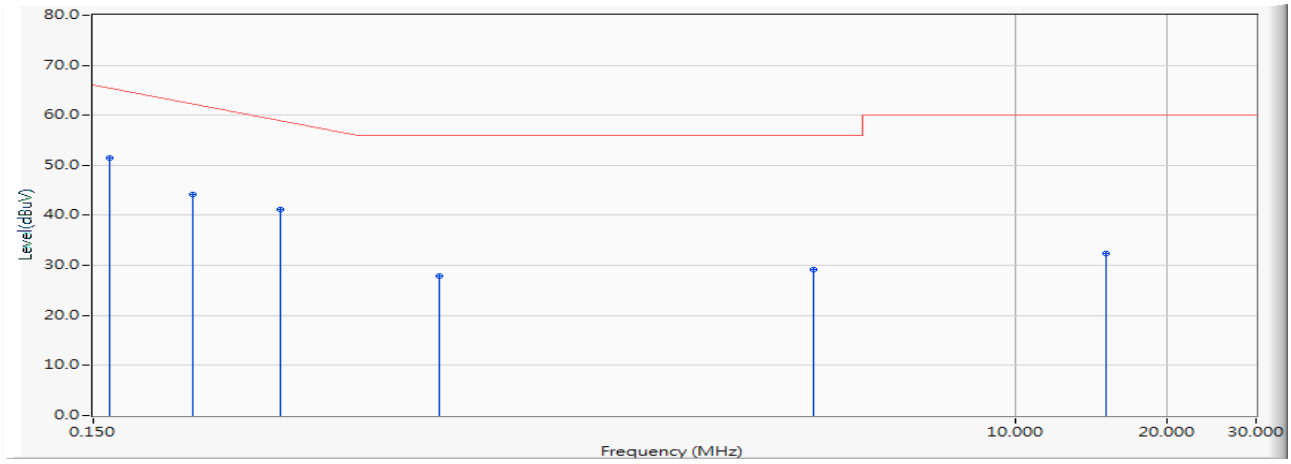
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.669	28.940	38.609	-16.934	55.543	AVERAGE
2		0.228	9.672	24.870	34.542	-19.229	53.771	AVERAGE
3	*	0.357	9.679	27.800	37.479	-12.607	50.086	AVERAGE
4		0.455	9.684	12.410	22.094	-25.192	47.286	AVERAGE
5		3.947	9.839	11.420	21.259	-24.741	46.000	AVERAGE
6		15.798	10.115	16.050	26.165	-23.835	50.000	AVERAGE

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 2
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

Line2



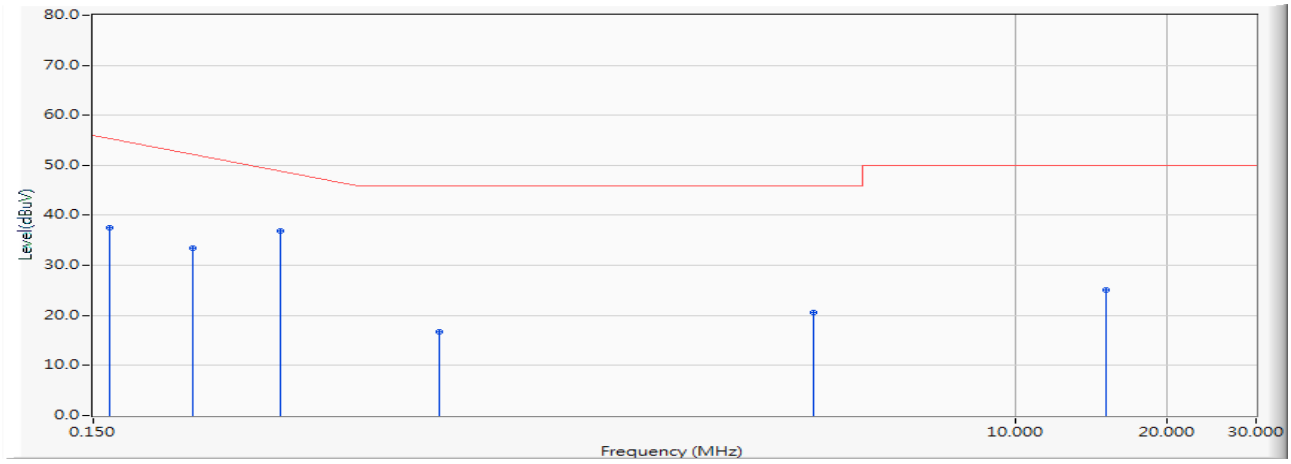
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.162	9.707	41.820	51.527	-14.130	65.657	QUASIPEAK
2		0.236	9.702	34.520	44.222	-19.321	63.543	QUASIPEAK
3		0.353	9.709	31.480	41.189	-19.011	60.200	QUASIPEAK
4		0.728	9.739	18.040	27.779	-28.221	56.000	QUASIPEAK
5		4.005	9.881	19.320	29.201	-26.799	56.000	QUASIPEAK
6		15.142	10.235	22.060	32.295	-27.705	60.000	QUASIPEAK

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 2
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

Line2



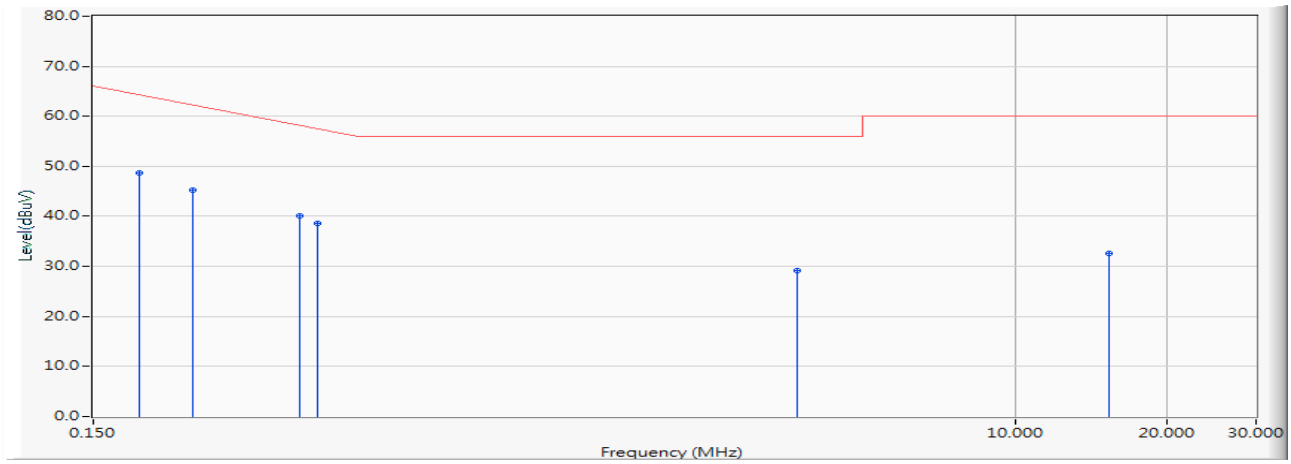
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	9.707	27.860	37.567	-18.090	55.657	AVERAGE
2		0.236	9.702	23.790	33.492	-20.051	53.543	AVERAGE
3	*	0.353	9.709	27.200	36.909	-13.291	50.200	AVERAGE
4		0.728	9.739	6.970	16.709	-29.291	46.000	AVERAGE
5		4.005	9.881	10.670	20.551	-25.449	46.000	AVERAGE
6		15.142	10.235	14.850	25.085	-24.915	50.000	AVERAGE

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 1
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)

Line1



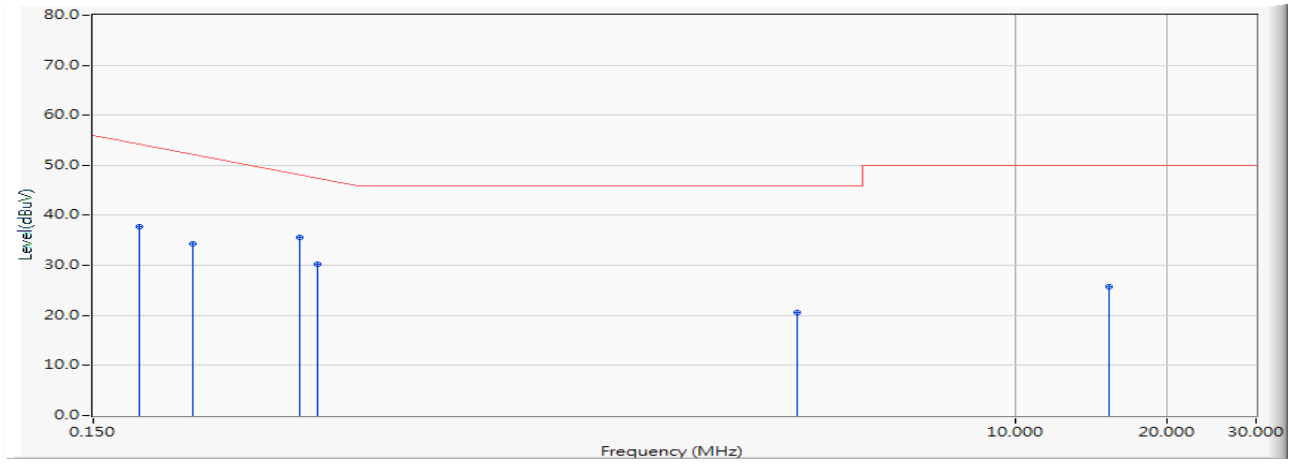
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.185	9.670	39.000	48.670	-16.330	65.000	QUASIPEAK
2		0.236	9.672	35.640	45.312	-18.231	63.543	QUASIPEAK
3		0.384	9.680	30.460	40.140	-19.174	59.314	QUASIPEAK
4		0.416	9.682	29.000	38.682	-19.718	58.400	QUASIPEAK
5		3.697	9.834	19.320	29.154	-26.846	56.000	QUASIPEAK
6		15.353	10.109	22.520	32.629	-27.371	60.000	QUASIPEAK

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 1
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)

Line1



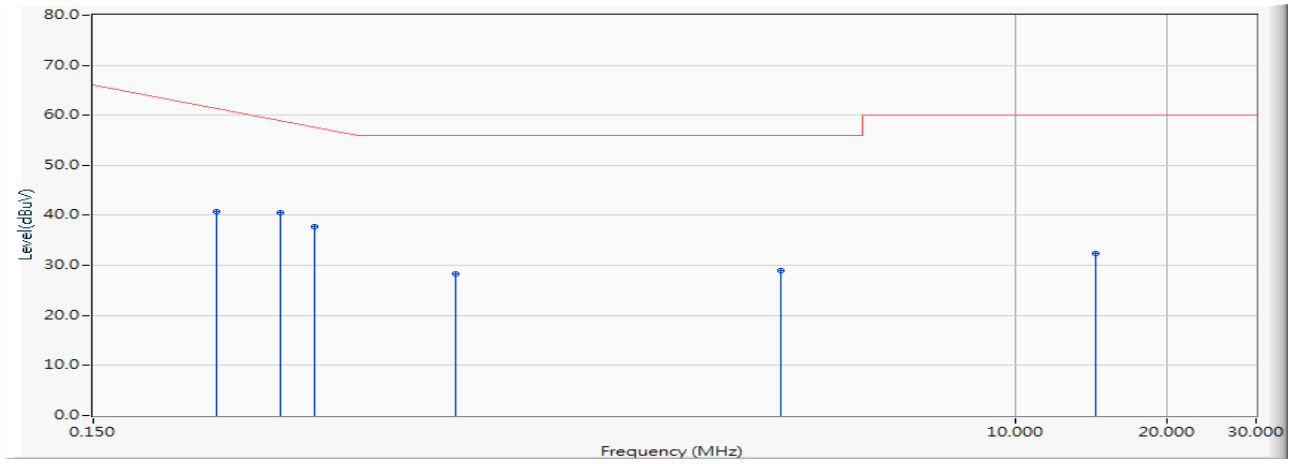
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.185	9.670	28.030	37.700	-17.300	55.000	AVERAGE
2		0.236	9.672	24.700	34.372	-19.171	53.543	AVERAGE
3	*	0.384	9.680	26.010	35.690	-13.624	49.314	AVERAGE
4		0.416	9.682	20.610	30.292	-18.108	48.400	AVERAGE
5		3.697	9.834	10.730	20.564	-25.436	46.000	AVERAGE
6		15.353	10.109	15.650	25.759	-24.241	50.000	AVERAGE

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 2
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)

Line2



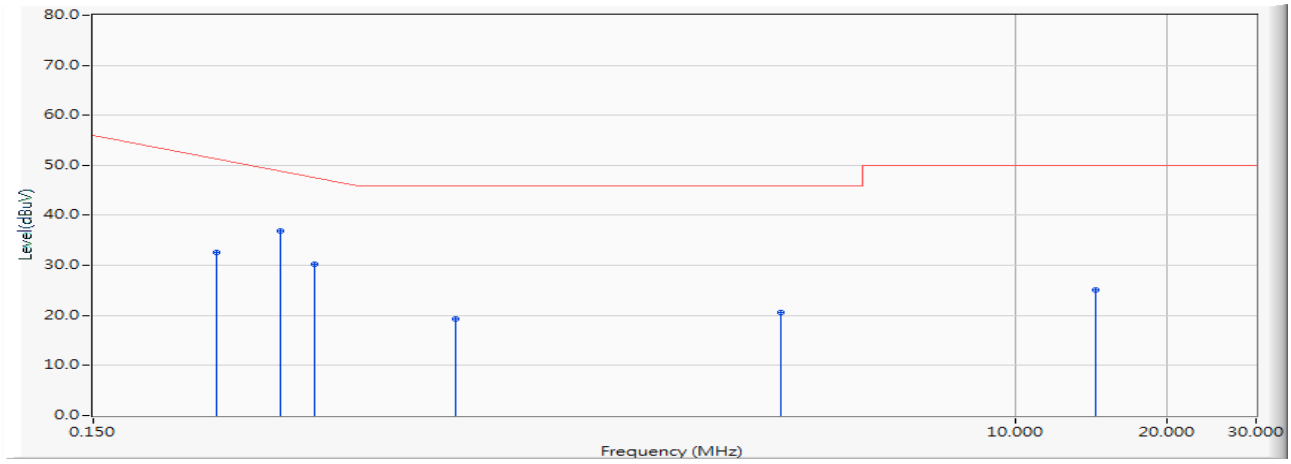
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.263	9.704	31.020	40.724	-22.047	62.771	QUASIPEAK
2	*	0.353	9.709	30.900	40.609	-19.591	60.200	QUASIPEAK
3		0.412	9.712	28.080	37.792	-20.722	58.514	QUASIPEAK
4		0.783	9.742	18.600	28.342	-27.658	56.000	QUASIPEAK
5		3.435	9.868	19.120	28.988	-27.012	56.000	QUASIPEAK
6		14.478	10.213	22.220	32.433	-27.567	60.000	QUASIPEAK

Note:

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

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Conducted Emission Test
Power Line	:	Line 2
Test Date	:	2019/10/04
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)

Line2



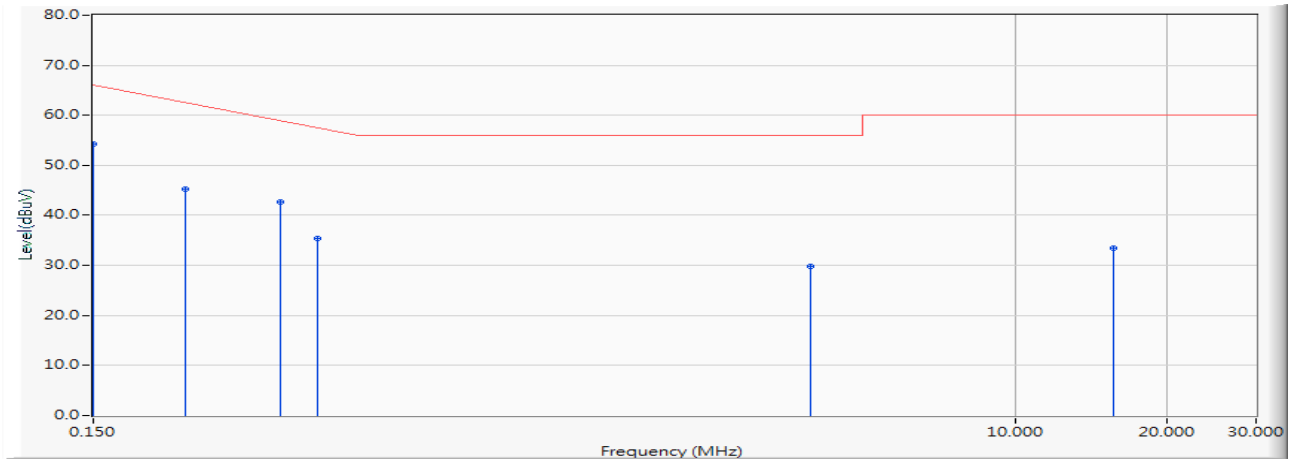
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.263	9.704	22.820	32.524	-20.247	52.771	AVERAGE
2	*	0.353	9.709	27.080	36.789	-13.411	50.200	AVERAGE
3		0.412	9.712	20.540	30.252	-18.262	48.514	AVERAGE
4		0.783	9.742	9.510	19.252	-26.748	46.000	AVERAGE
5		3.435	9.868	10.670	20.538	-25.462	46.000	AVERAGE
6		14.478	10.213	14.910	25.123	-24.877	50.000	AVERAGE

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 1
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

Line1



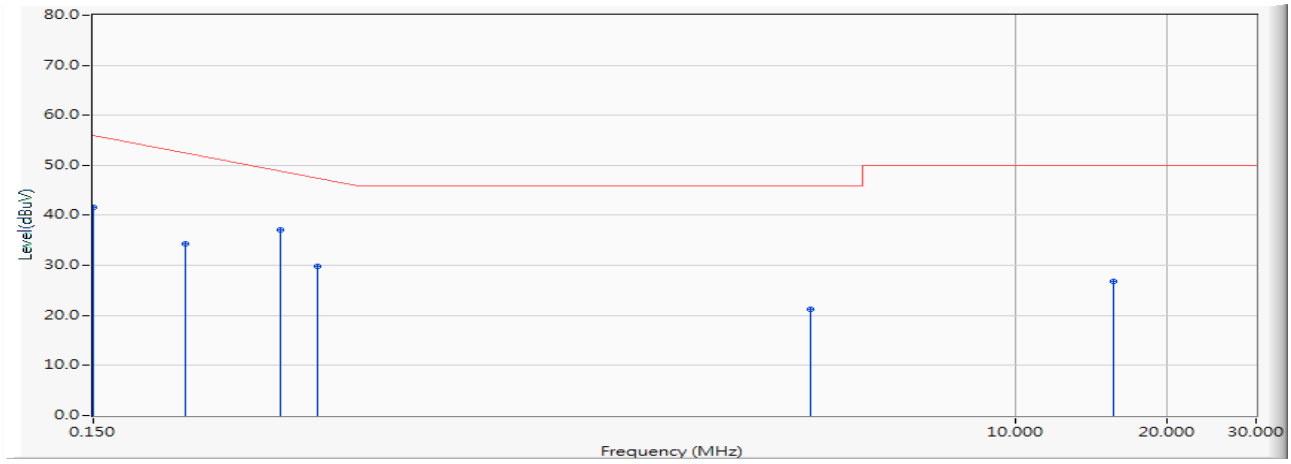
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.150	9.668	44.580	54.248	-11.752	66.000	QUASIPEAK
2		0.228	9.672	35.480	45.152	-18.619	63.771	QUASIPEAK
3		0.353	9.679	33.020	42.699	-17.501	60.200	QUASIPEAK
4		0.416	9.682	25.780	35.462	-22.938	58.400	QUASIPEAK
5		3.951	9.840	19.960	29.800	-26.200	56.000	QUASIPEAK
6		15.638	10.113	23.300	33.413	-26.587	60.000	QUASIPEAK

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 1
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

Line1



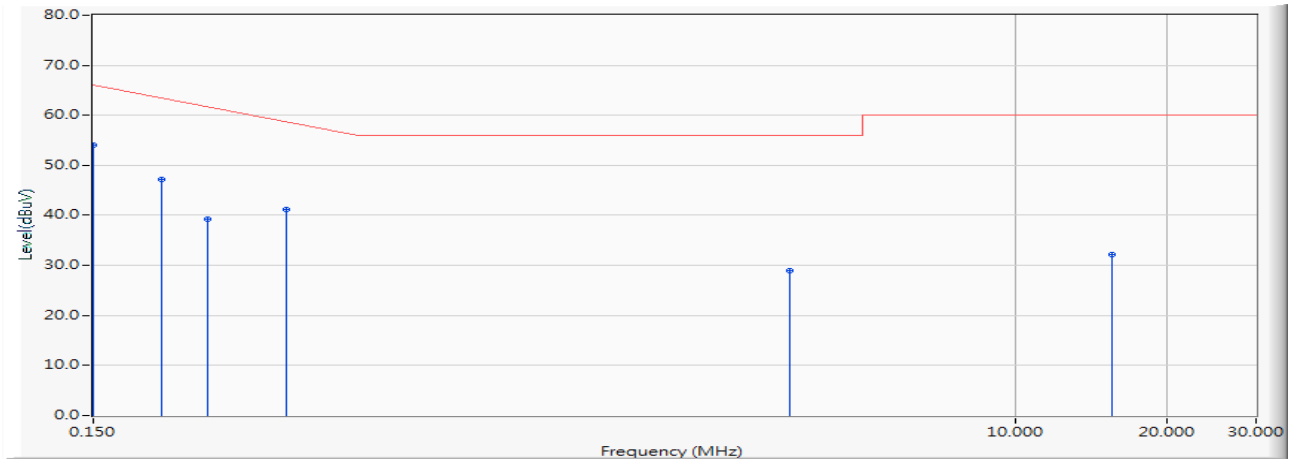
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	9.668	31.960	41.628	-14.372	56.000	AVERAGE
2		0.228	9.672	24.700	34.372	-19.399	53.771	AVERAGE
3	*	0.353	9.679	27.390	37.069	-13.131	50.200	AVERAGE
4		0.416	9.682	20.200	29.882	-18.518	48.400	AVERAGE
5		3.951	9.840	11.470	21.310	-24.690	46.000	AVERAGE
6		15.638	10.113	16.800	26.913	-23.087	50.000	AVERAGE

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 2
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

Line2



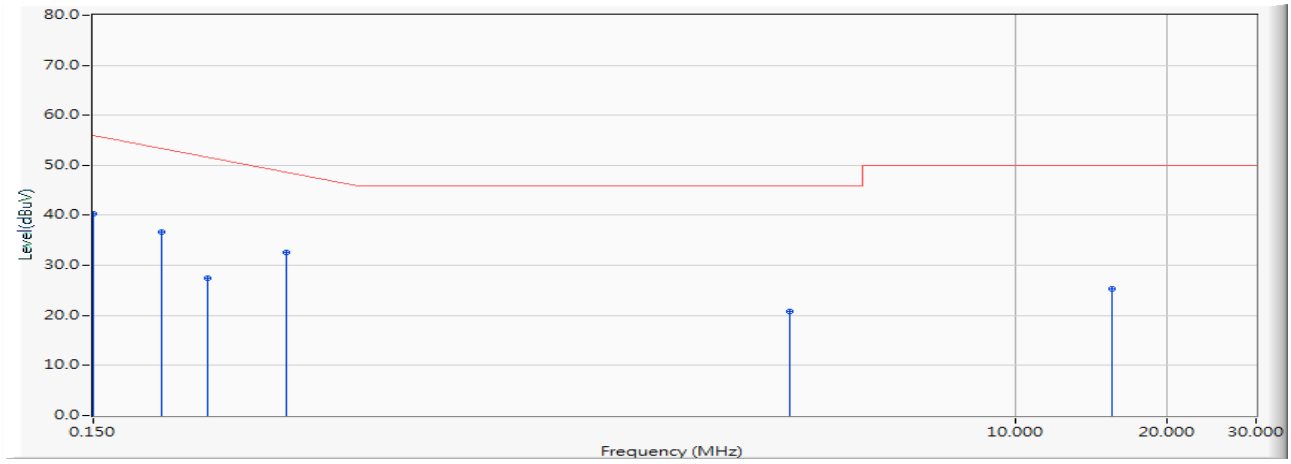
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.150	9.708	44.240	53.948	-12.052	66.000	QUASIPEAK
2		0.205	9.701	37.560	47.261	-17.168	64.429	QUASIPEAK
3		0.252	9.703	29.620	39.323	-23.763	63.086	QUASIPEAK
4		0.361	9.709	31.560	41.269	-18.702	59.971	QUASIPEAK
5		3.572	9.871	19.060	28.931	-27.069	56.000	QUASIPEAK
6		15.537	10.242	21.860	32.102	-27.898	60.000	QUASIPEAK

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 2
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

Line2



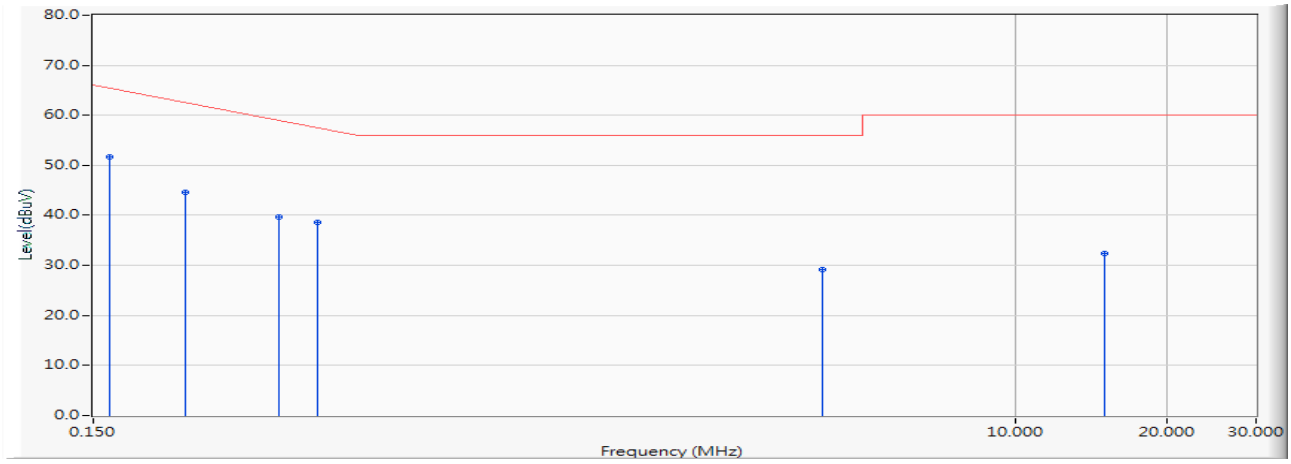
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.150	9.708	30.720	40.428	-15.572	56.000	AVERAGE
2		0.205	9.701	27.010	36.711	-17.718	54.429	AVERAGE
3		0.252	9.703	17.820	27.523	-25.563	53.086	AVERAGE
4		0.361	9.709	22.920	32.629	-17.342	49.971	AVERAGE
5		3.572	9.871	10.980	20.851	-25.149	46.000	AVERAGE
6		15.537	10.242	15.100	25.342	-24.658	50.000	AVERAGE

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 1
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)

Line1



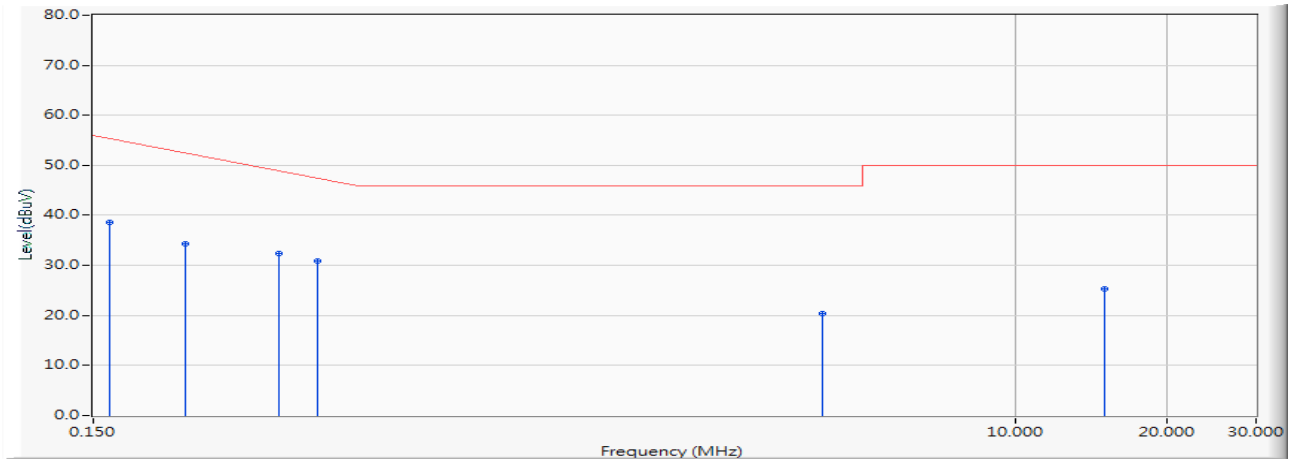
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.162	9.668	41.940	51.608	-14.049	65.657	QUASIPEAK
2		0.228	9.672	34.900	44.572	-19.199	63.771	QUASIPEAK
3		0.349	9.679	30.080	39.759	-20.555	60.314	QUASIPEAK
4		0.416	9.682	28.860	38.542	-19.858	58.400	QUASIPEAK
5		4.166	9.844	19.380	29.224	-26.776	56.000	QUASIPEAK
6		15.025	10.103	22.180	32.283	-27.717	60.000	QUASIPEAK

Note:

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

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Conducted Emission Test
Power Line	:	Line 1
Test Date	:	2019/10/04
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)

Line1



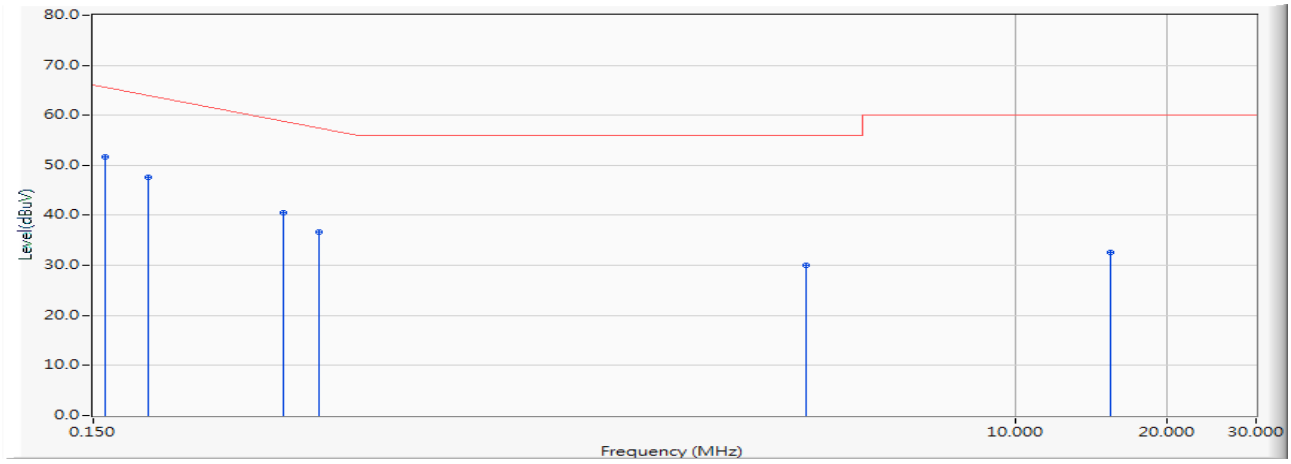
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.162	9.668	28.890	38.558	-17.099	55.657	AVERAGE
2		0.228	9.672	24.620	34.292	-19.479	53.771	AVERAGE
3		0.349	9.679	22.710	32.389	-17.925	50.314	AVERAGE
4		0.416	9.682	21.120	30.802	-17.598	48.400	AVERAGE
5		4.166	9.844	10.460	20.304	-25.696	46.000	AVERAGE
6		15.025	10.103	15.220	25.323	-24.677	50.000	AVERAGE

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 2
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)

Line2



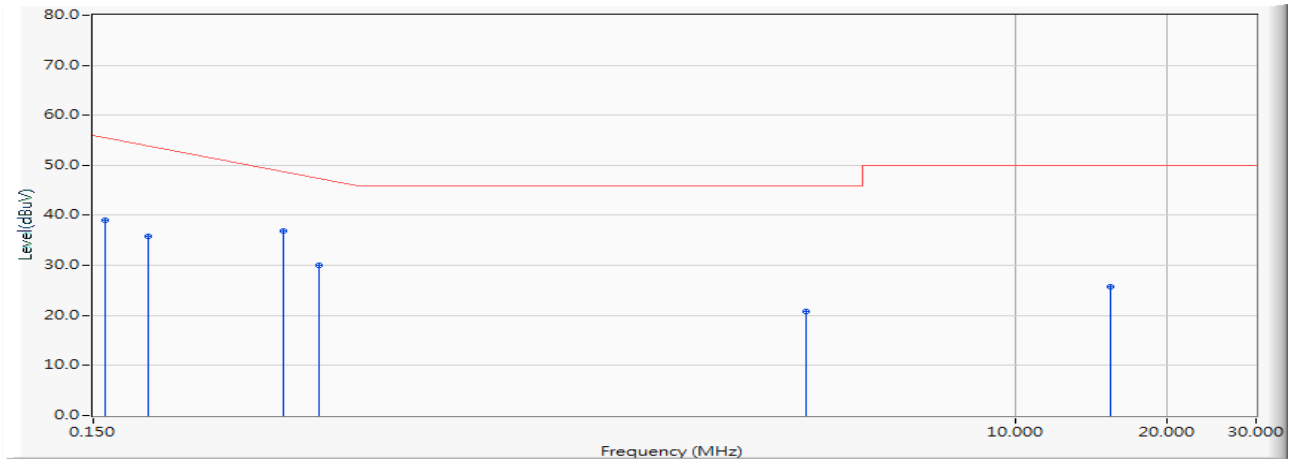
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.158	9.708	41.900	51.608	-14.163	65.771	QUASIPEAK
2		0.193	9.700	38.020	47.720	-17.051	64.771	QUASIPEAK
3		0.357	9.709	30.720	40.429	-19.657	60.086	QUASIPEAK
4		0.420	9.712	27.020	36.732	-21.554	58.286	QUASIPEAK
5		3.861	9.878	20.160	30.038	-25.962	56.000	QUASIPEAK
6		15.443	10.240	22.380	32.620	-27.380	60.000	QUASIPEAK

Note:

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

Product : 23.1 inches Bar type Digital Signage
Test Item : Conducted Emission Test
Power Line : Line 2
Test Date : 2019/10/04
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)

Line2



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.708	29.390	39.098	-16.673	55.771	AVERAGE
2		0.193	9.700	26.080	35.780	-18.991	54.771	AVERAGE
3	*	0.357	9.709	27.200	36.909	-13.177	50.086	AVERAGE
4		0.420	9.712	20.270	29.982	-18.304	48.286	AVERAGE
5		3.861	9.878	11.030	20.908	-25.092	46.000	AVERAGE
6		15.443	10.240	15.470	25.710	-24.290	50.000	AVERAGE

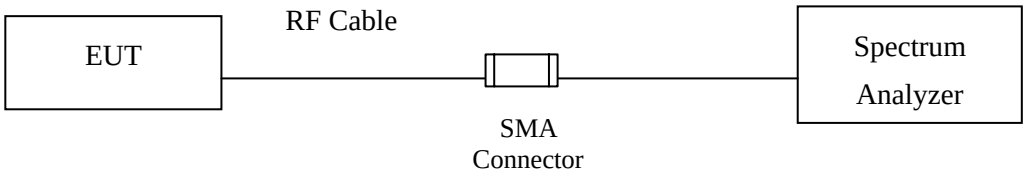
Note:

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

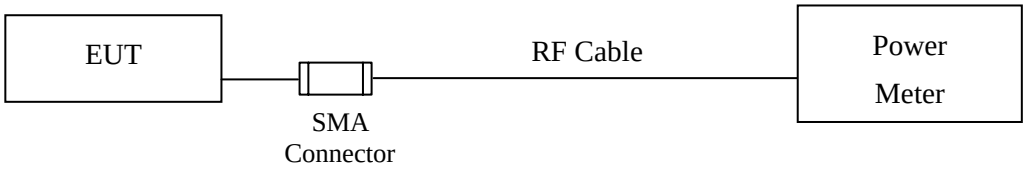
3. Maximun conducted output power

3.1. Test Setup

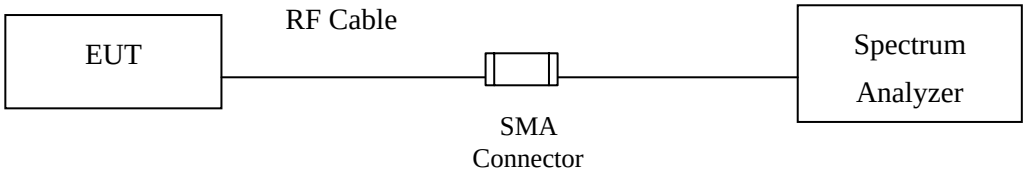
99% Occupied Bandwidth



Conduction Power Measurement (for 802.11an)



Conduction Power Measurement (for 802.11ac)



3.2. Limits

3.2.1. For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-topoint U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
(iv) For mobile and portable 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. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.3. For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

3.3. Test Procedure

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was measured with an average power meter employing a video bandwidth greater the 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

802.11an (BW≦40MHz) Maximum conducted output power using KDB 789033 section E)3)b) Method PM-G (Measurement using a gated RF average power meter)
Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth, (Anritsu/ MA2411B video bandwidth: 65MHz)

802.11ac (BW=80MHz) Maximum conducted output power using KDB 789033 section E)2)b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D03 section D) procedure is used for measurements.

3.4. Uncertainty

± 1.62 dB

3.5. Test Result of Maximum conducted output power

Product : 23.1 inches Bar type Digital Signage
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps)

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
		Measurement Level (dBm)							
36	5180	11.77	--	--	--	--	--	--	--
44	5220	11.79	11.65	11.54	11.46	11.34	11.20	11.11	10.97
48	5240	11.78	--	--	--	--	--	--	--
52	5260	11.64	--	--	--	--	--	--	--
60	5300	11.56	11.44	11.32	11.20	11.08	10.99	10.90	10.77
64	5320	11.43	--	--	--	--	--	--	--
100	5500	10.28	--	--	--	--	--	--	--
116	5580	10.33	10.19	10.07	9.93	9.83	9.70	9.57	9.46
140	5700	10.59	--	--	--	--	--	--	--
149	5745	11.51	--	--	--	--	--	--	--
157	5785	11.31	11.21	11.07	10.96	10.82	10.71	10.63	10.51
165	5825	11.23	--	--	--	--	--	--	--

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

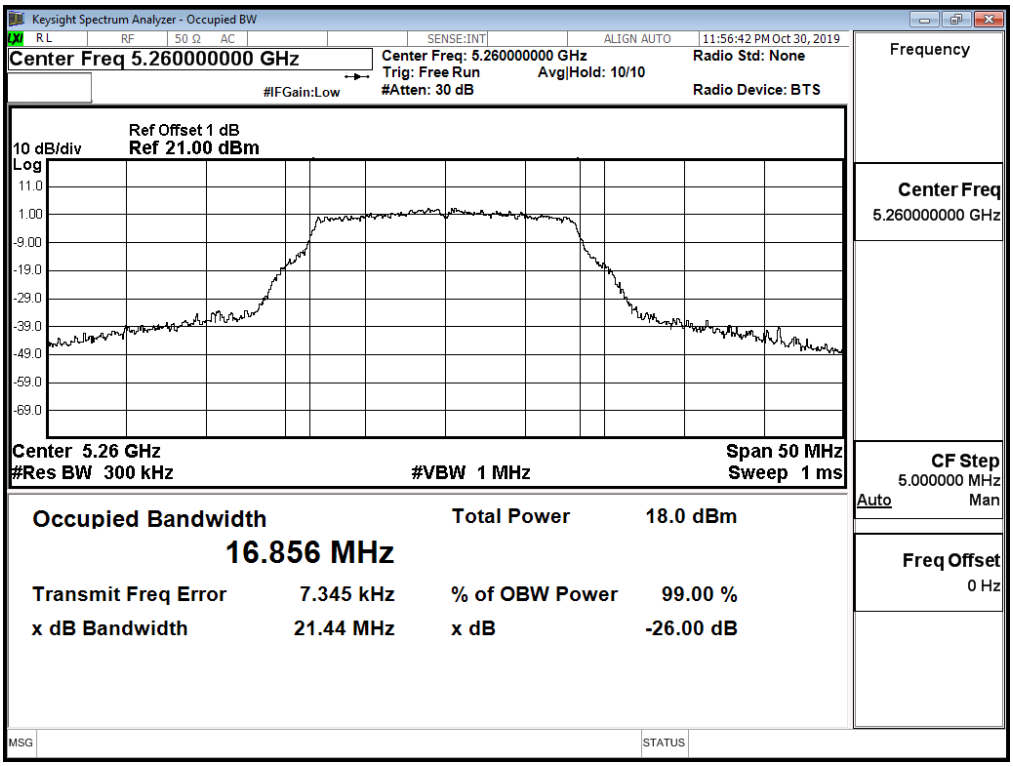
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	11.77	24	--
44	5220	--	11.79	24	--
48	5240	--	11.78	24	--
52	5260	16.856	11.64	24	23.27
60	5300	16.880	11.56	24	23.27
64	5320	16.882	11.43	24	23.27
100	5500	16.913	10.28	24	23.28
116	5580	16.878	10.33	24	23.27
140	5700	16.890	10.59	24	23.28
149	5745	--	11.51	30	--
157	5785	--	11.31	30	--
165	5825	--	11.23	30	--

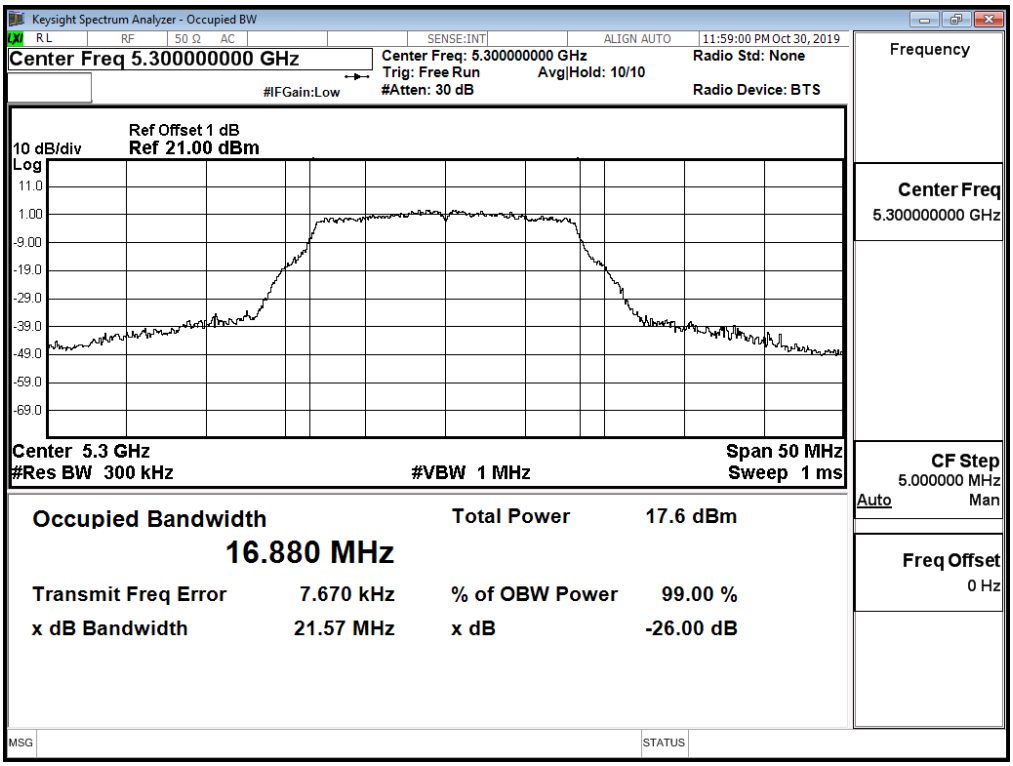
Note: Power Output Value =Reading value on average power meter + cable loss

99% Occupied Bandwidth:

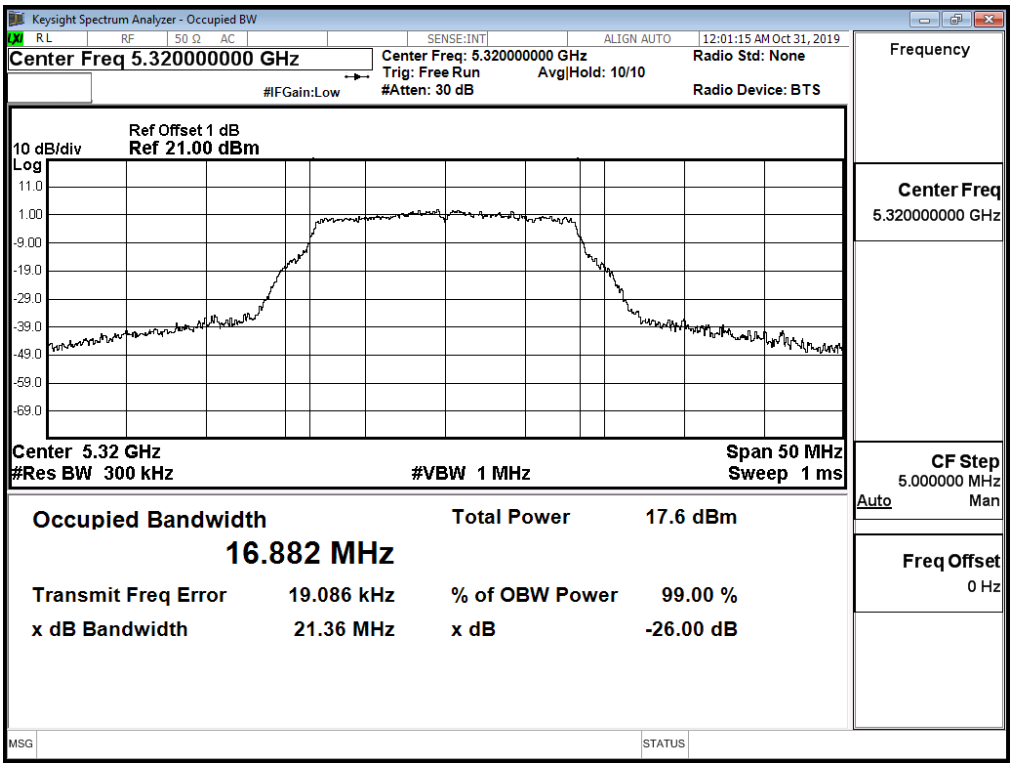
Channel 52:



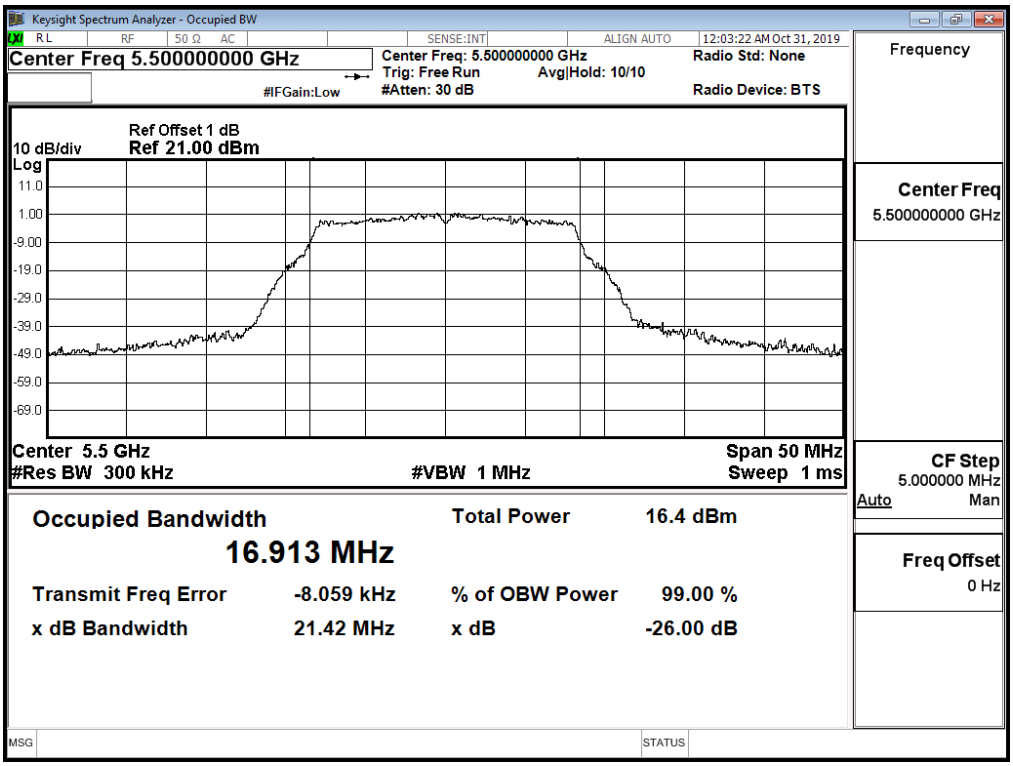
Channel 60:



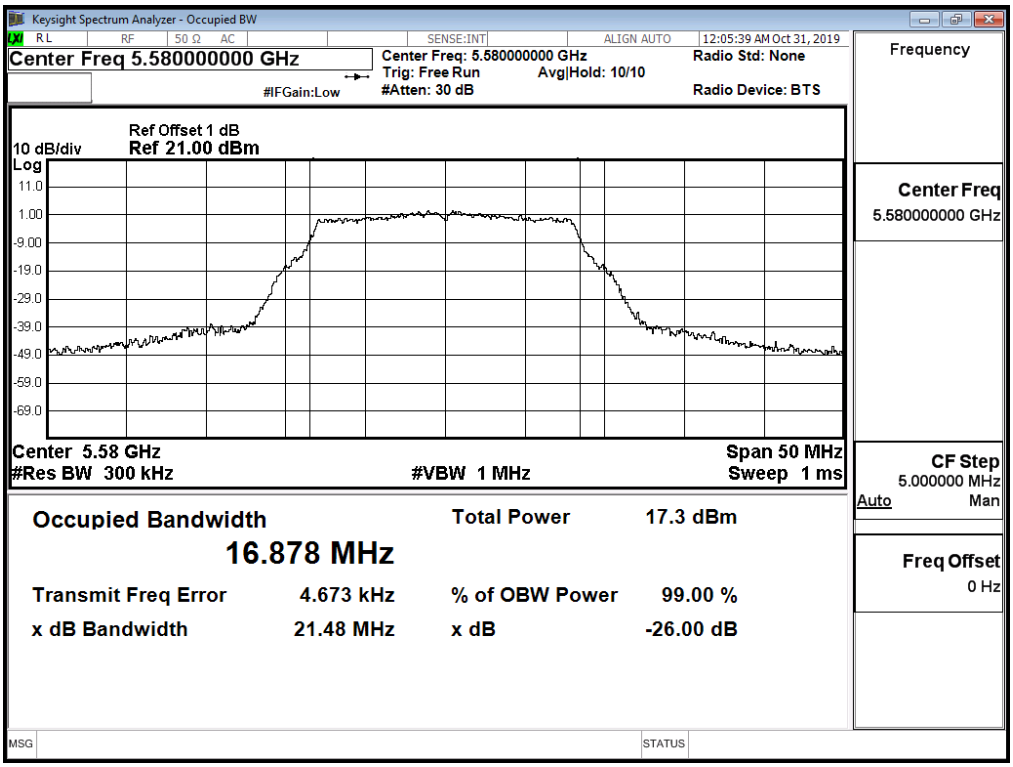
Channel 64:



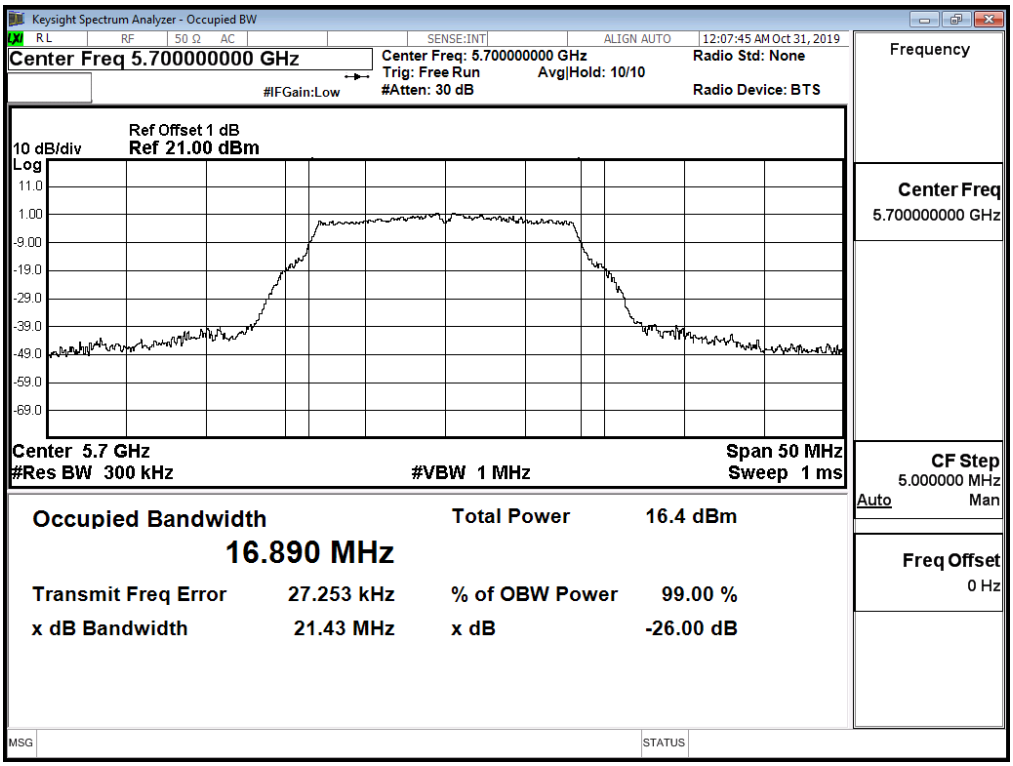
Channel 100:



Channel 116:



Channel 140:



Product : 23.1 inches Bar type Digital Signage
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2
		Measurement Level (dBm)							
36	5180	13.77	--	--	--	--	--	--	--
44	5220	13.76	13.63	13.54	13.46	13.39	13.31	13.20	13.13
48	5240	13.84	--	--	--	--	--	--	--
52	5260	13.68	--	--	--	--	--	--	--
60	5300	13.67	13.53	13.46	13.33	13.19	13.12	12.98	12.89
64	5320	13.49	--	--	--	--	--	--	--
100	5500	12.29	--	--	--	--	--	--	--
116	5580	12.44	12.37	12.3	12.19	12.10	12.00	11.88	11.78
140	5700	12.59	--	--	--	--	--	--	--
149	5745	13.41	--	--	--	--	--	--	--
157	5785	13.27	13.18	13.06	12.94	12.85	12.71	12.60	12.48
165	5825	13.15	--	--	--	--	--	--	--

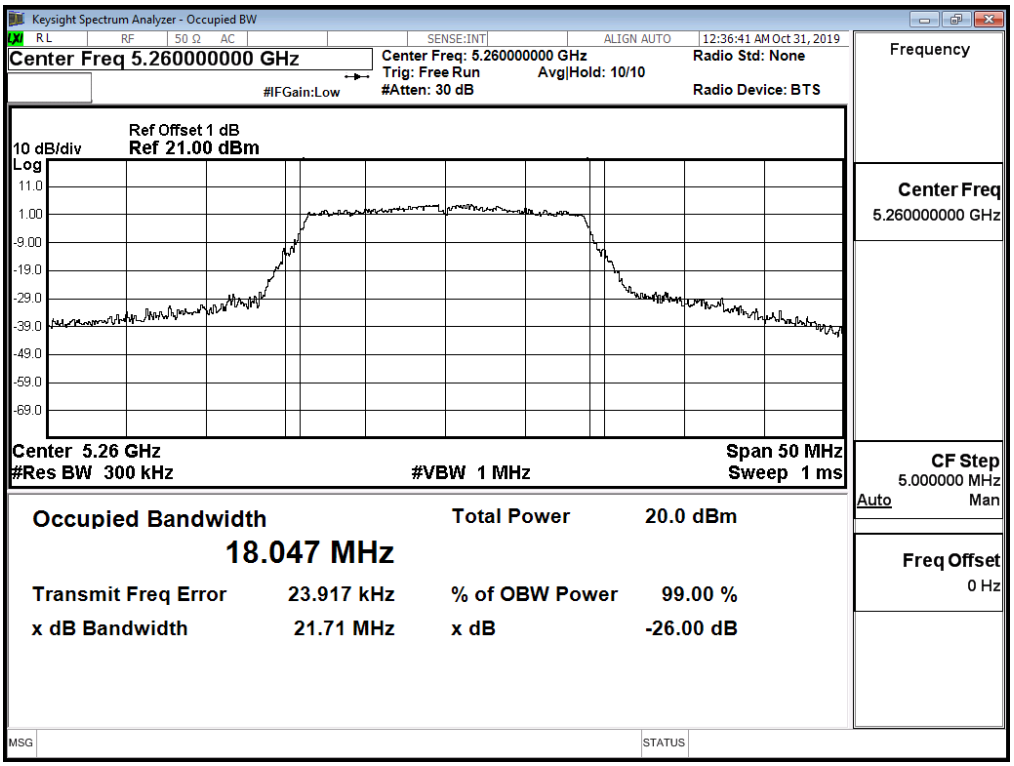
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

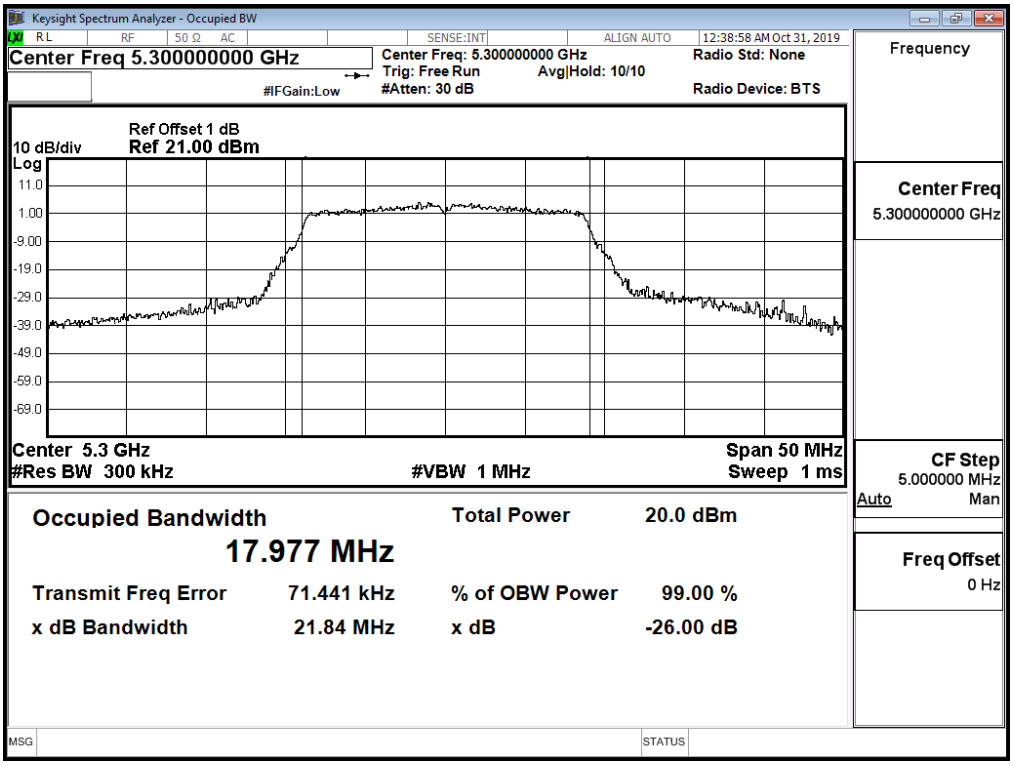
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	13.77	24	--
44	5220	--	13.76	24	--
48	5240	--	13.84	24	--
52	5260	18.047	13.68	24	23.56
60	5300	17.977	13.67	24	23.55
64	5320	18.022	13.49	24	23.56
100	5500	18.025	12.29	24	23.56
116	5580	17.934	12.44	24	23.54
140	5700	18.028	12.59	24	23.56
149	5745	--	13.41	30	--
157	5785	--	13.27	30	--
165	5825	--	13.15	30	--

Note: Power Output Value =Reading value on average power meter + cable loss

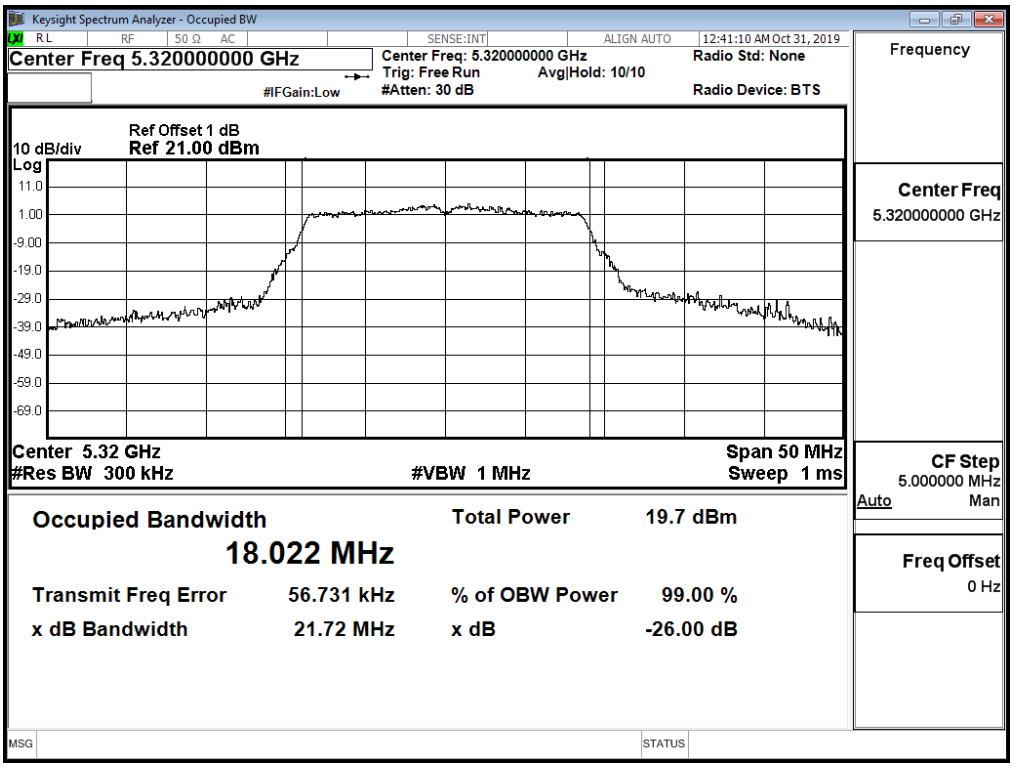
99% Occupied Bandwidth:
Channel 52



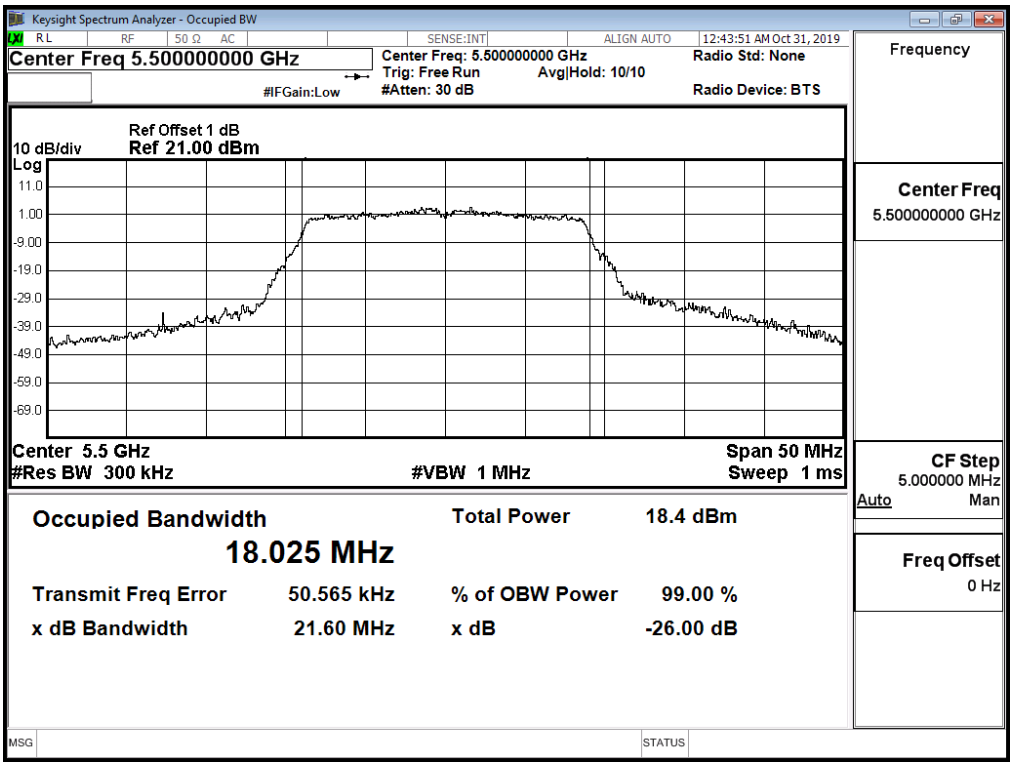
Channel 60



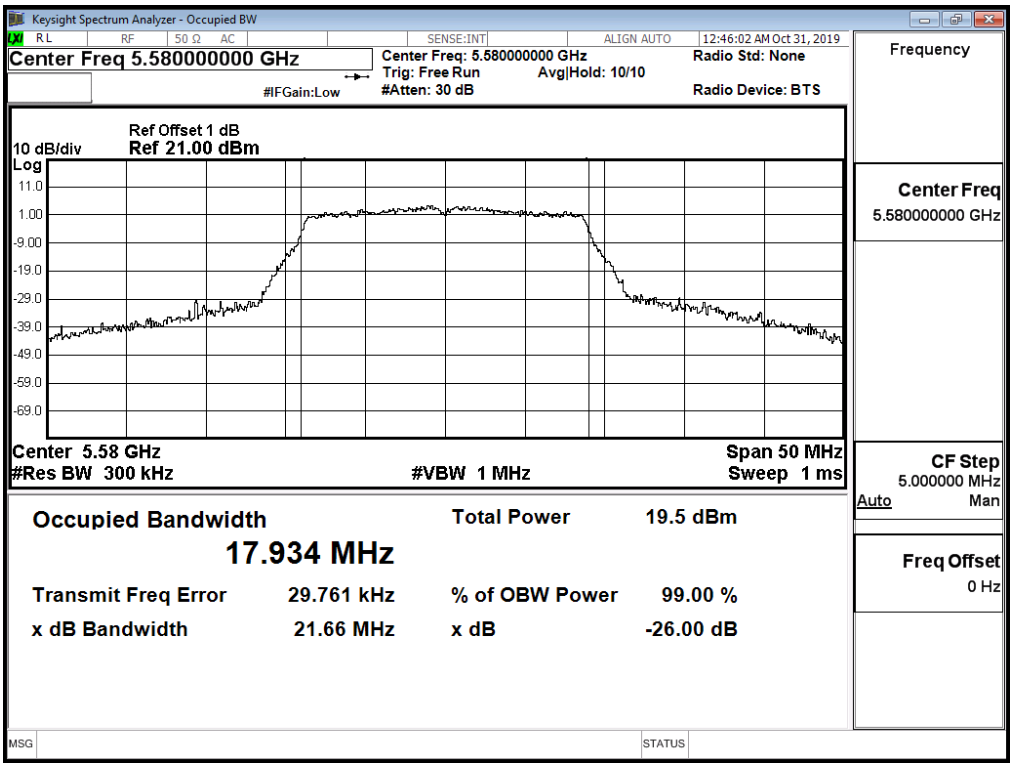
Channel 64



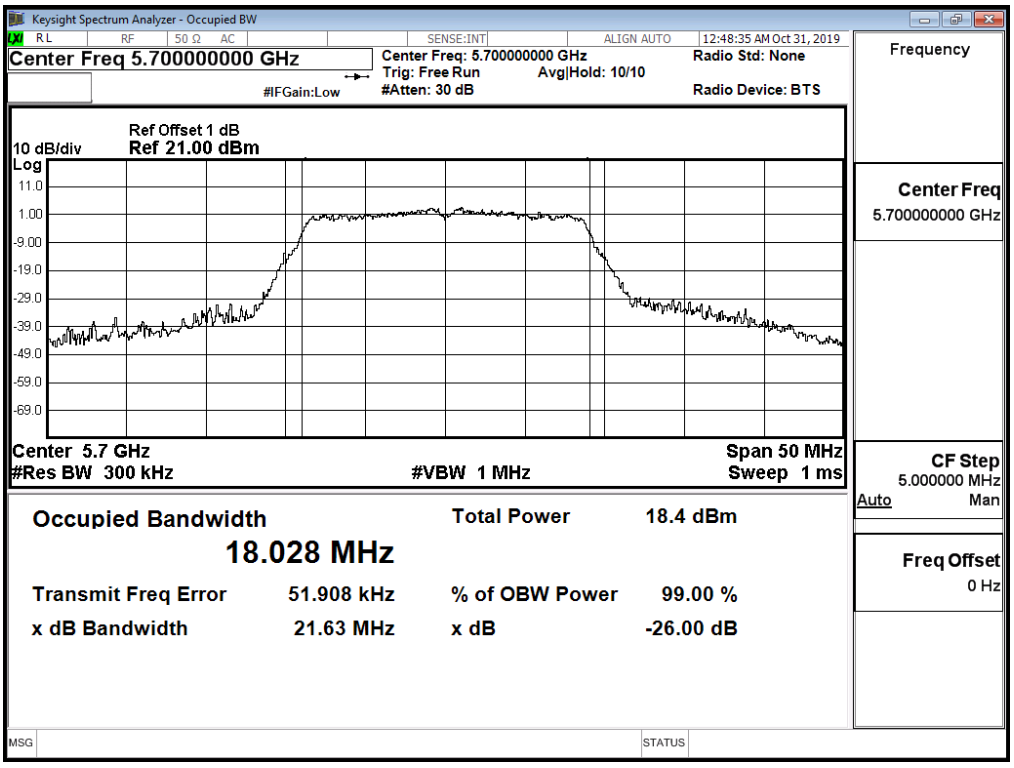
Channel 100



Channel 116



Channel 140



Product : 23.1 inches Bar type Digital Signage
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)

Cable loss=1dB		Maximum conducted output power							
Channel No.	Frequency (MHz)	Data Rate (Mbps)							
		15	30	45	60	90	120	135	150
		Measurement Level (dBm)							
38	5190	12.51	--	--	--	--	--	--	--
46	5230	12.54	12.42	12.33	12.23	12.10	11.97	11.87	11.74
54	5270	12.38	--	--	--	--	--	--	--
62	5310	12.24	12.17	12.05	11.95	11.86	11.73	11.60	11.53
102	5510	10.99	--	--	--	--	--	--	--
110	5550	10.96	10.89	10.78	10.70	10.57	10.49	10.42	10.31
134	5670	11.31	--	--	--	--	--	--	--
151	5755	12.16	--	--	--	--	--	--	--
159	5795	12.07	11.93	11.8	11.68	11.54	11.40	11.26	11.17

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

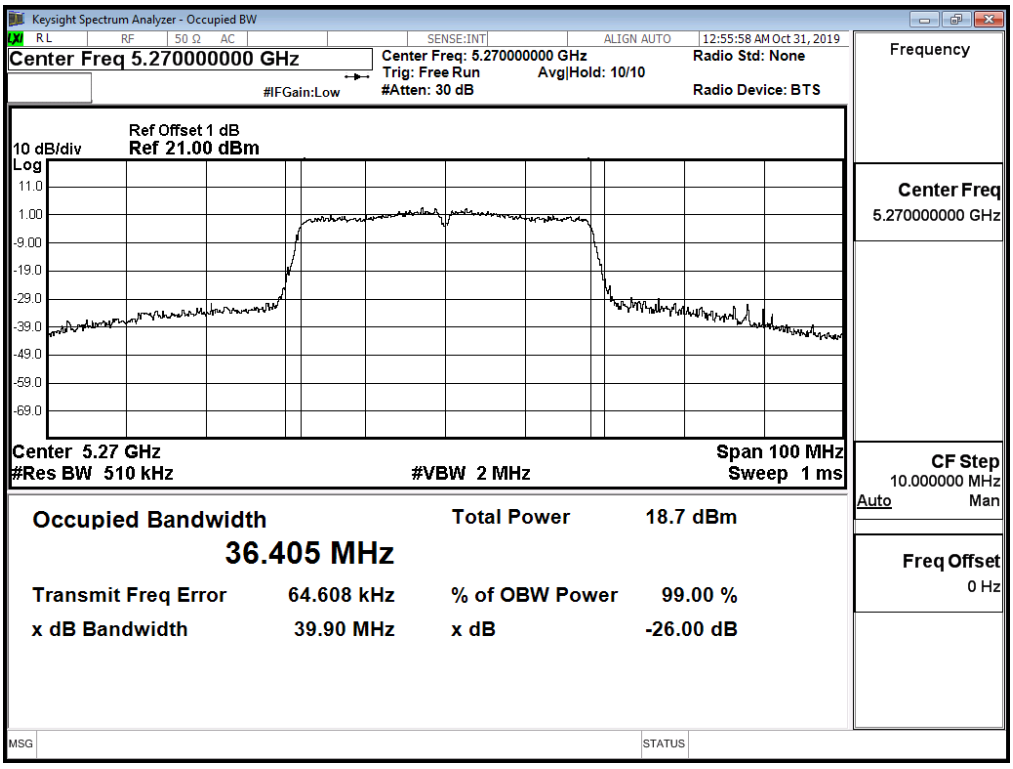
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
38	5190	--	12.51	24	--
46	5230	--	12.54	24	--
54	5270	36.405	12.38	24	26.61
62	5310	36.316	12.24	24	26.60
102	5510	36.351	10.99	24	26.61
110	5550	36.337	10.96	24	26.60
134	5670	36.355	11.31	24	26.61
151	5755	--	12.16	30	--
159	5795	--	12.07	30	--

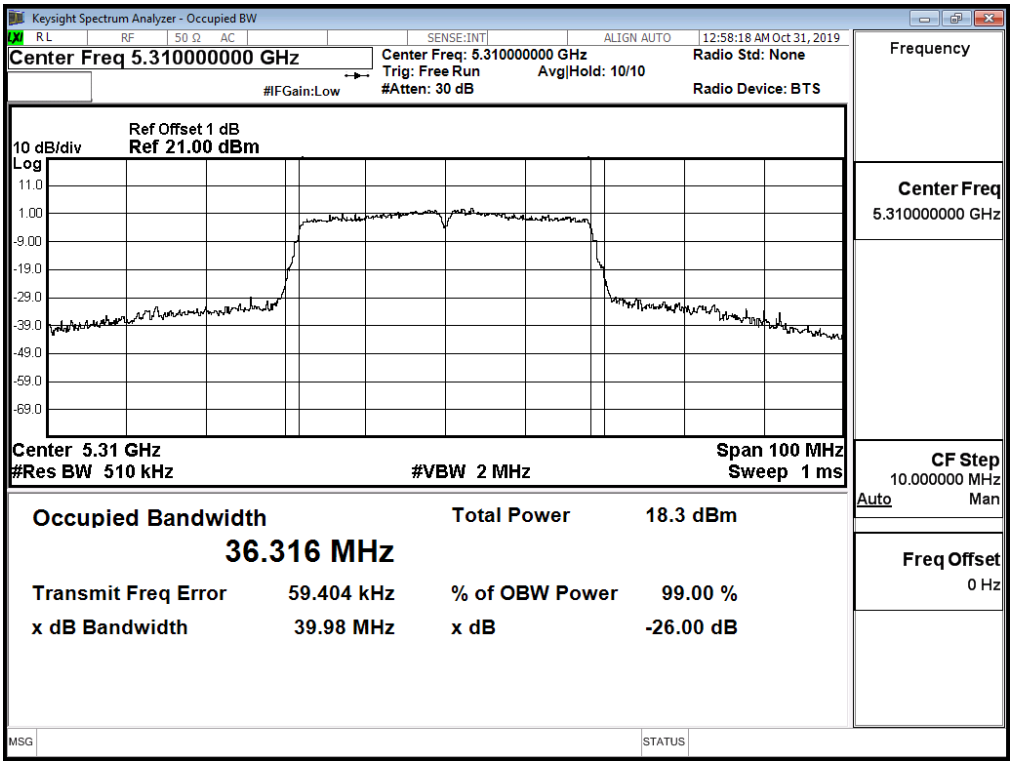
Note: Power Output Value =Reading value on average power meter + cable loss

99% Occupied Bandwidth:

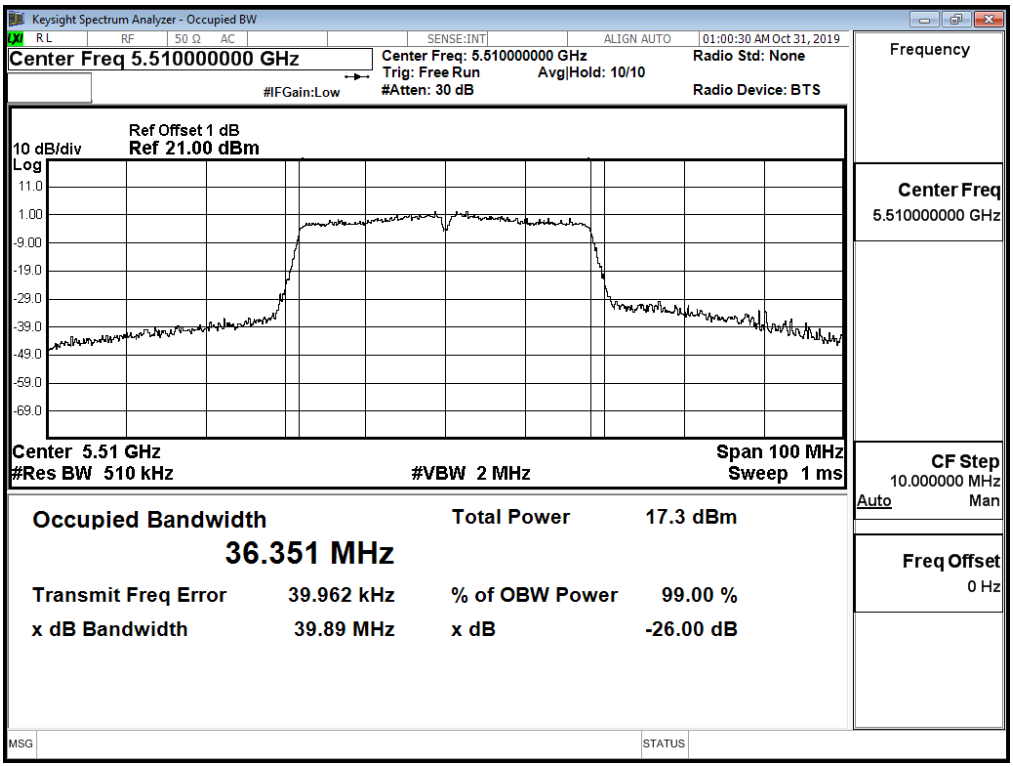
Channel 54



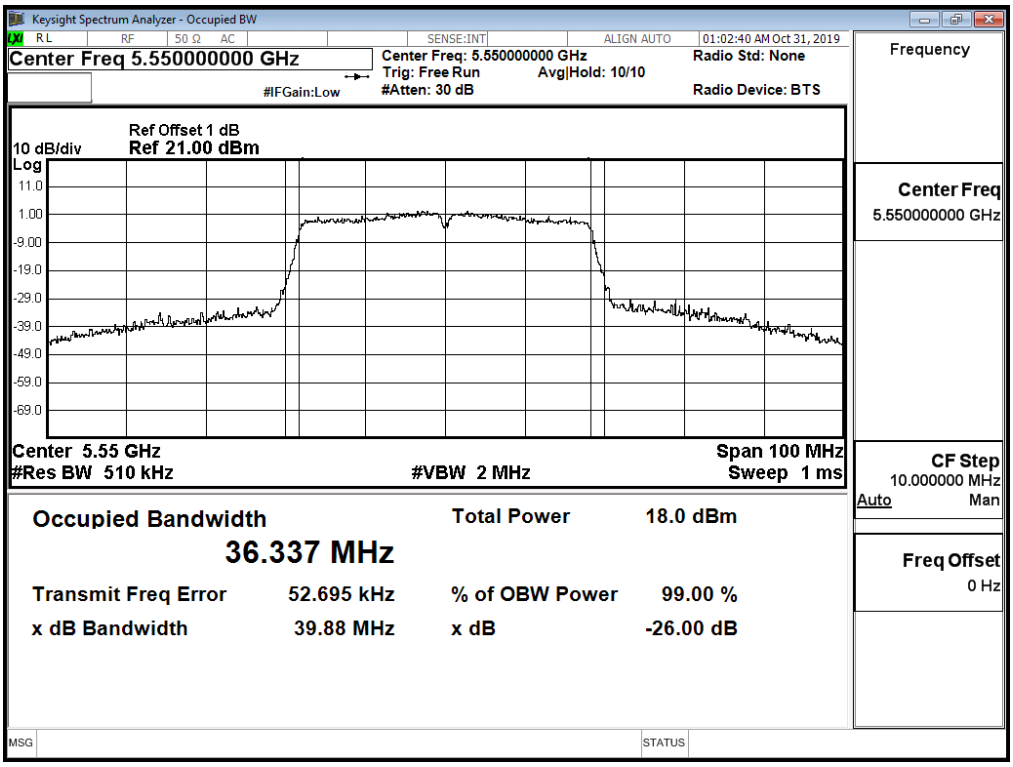
Channel 62



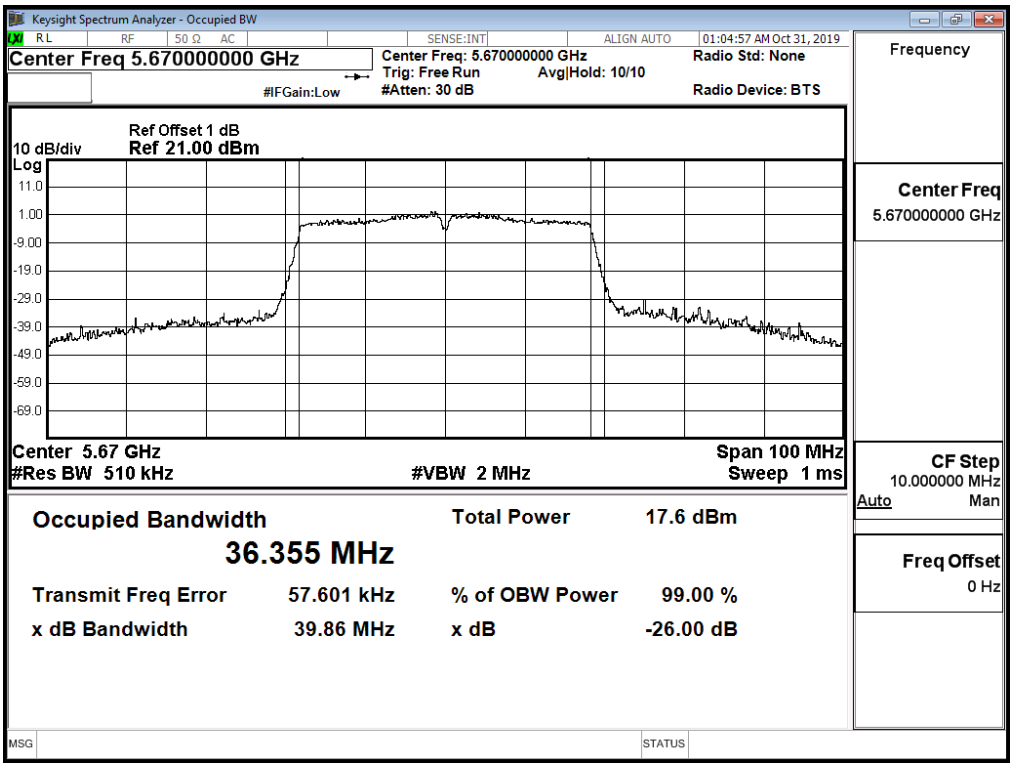
Channel 102



Channel 110



Channel 134


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
01:04:57 AM Oct 31, 2019
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Ref Offset 1 dB
10 dB/div
Ref 21.00 dBm
Log
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 5.67 GHz
#Res BW 510 kHz
#VBW 2 MHz
Span 100 MHz
Sweep 1 ms
Occupied Bandwidth
36.355 MHz
Total Power 17.6 dBm
Transmit Freq Error 57.601 kHz
% of OBW Power 99.00 %
x dB Bandwidth 39.86 MHz
x dB -26.00 dB
MSG
STATUS
Frequency
Center Freq
5.670000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product : 23.1 inches Bar type Digital Signage
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps)

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8
		Measurement Level (dBm)								
144 (Band3)	5720	16.25	16.16	16.06	15.95	15.83	15.76	15.63	15.50	15.41
144 (Band4)	5720	9.34	9.21	9.1	8.97	8.88	8.74	8.67	8.57	8.49

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

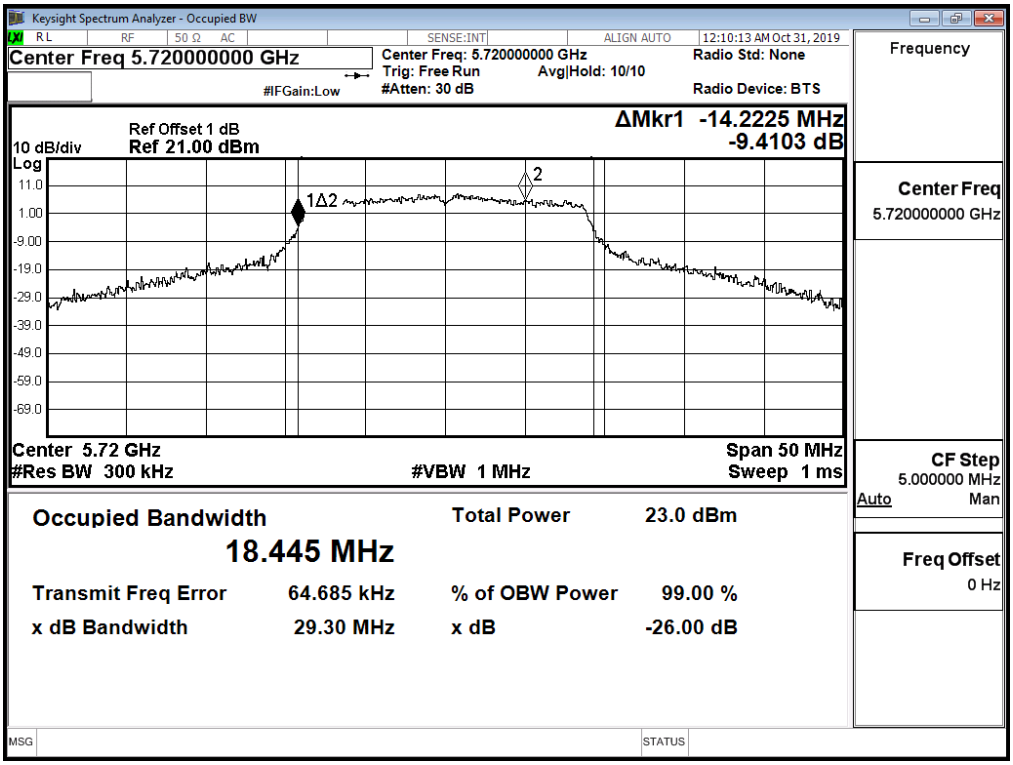
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
144(Band3)	5720	14.223	16.250	16.25	24	Pass
144(Band4)	5720	--	9.340	9.34	30	Pass

Note: Power Output Value =Reading value on average power meter + cable loss

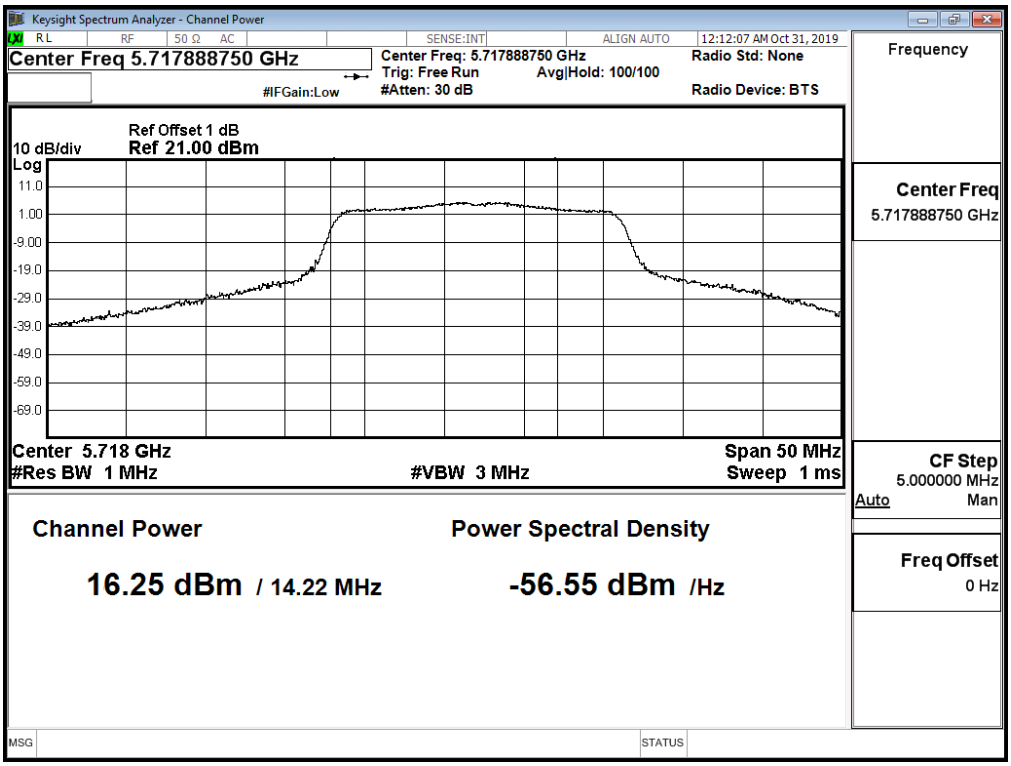
99% Occupied Bandwidth:

Channel 144

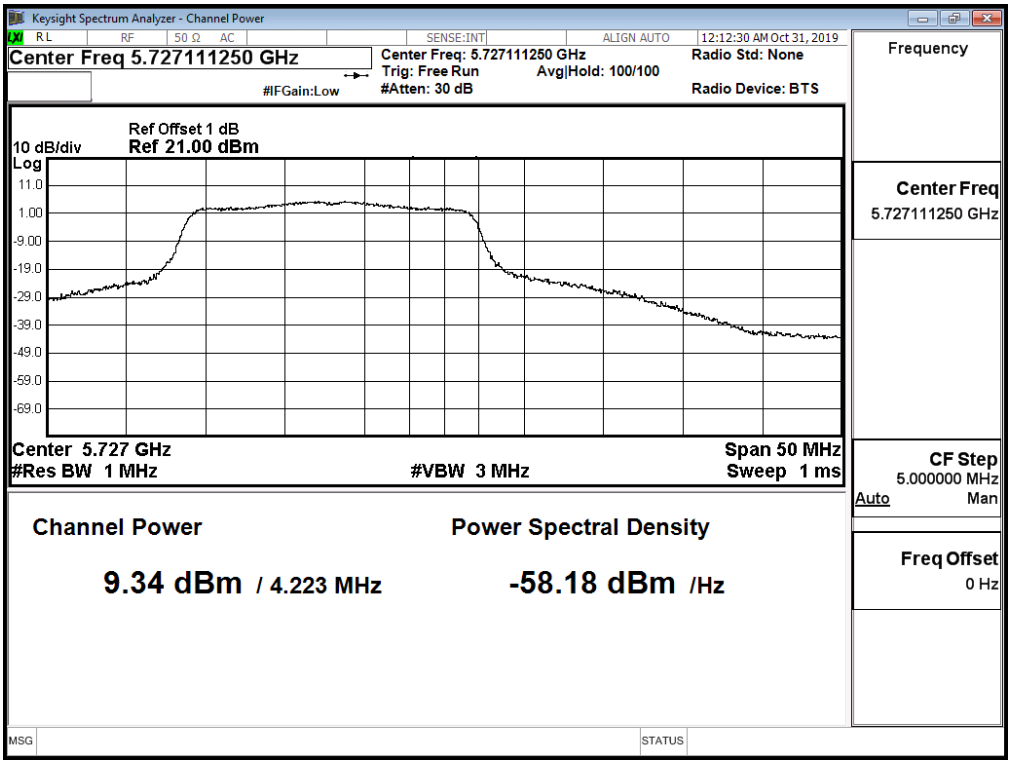


Maximum conducted output power:

Channel 144



Channel 144



Product : 23.1 inches Bar type Digital Signage
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps)

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
142F(Band3)	5710	17.55	17.41	17.34	17.27	17.18	17.05	16.93	16.83	16.76	16.64
142F(Band4)	5710	6.12	5.98	5.85	5.76	5.66	5.56	5.49	5.42	5.35	5.24

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

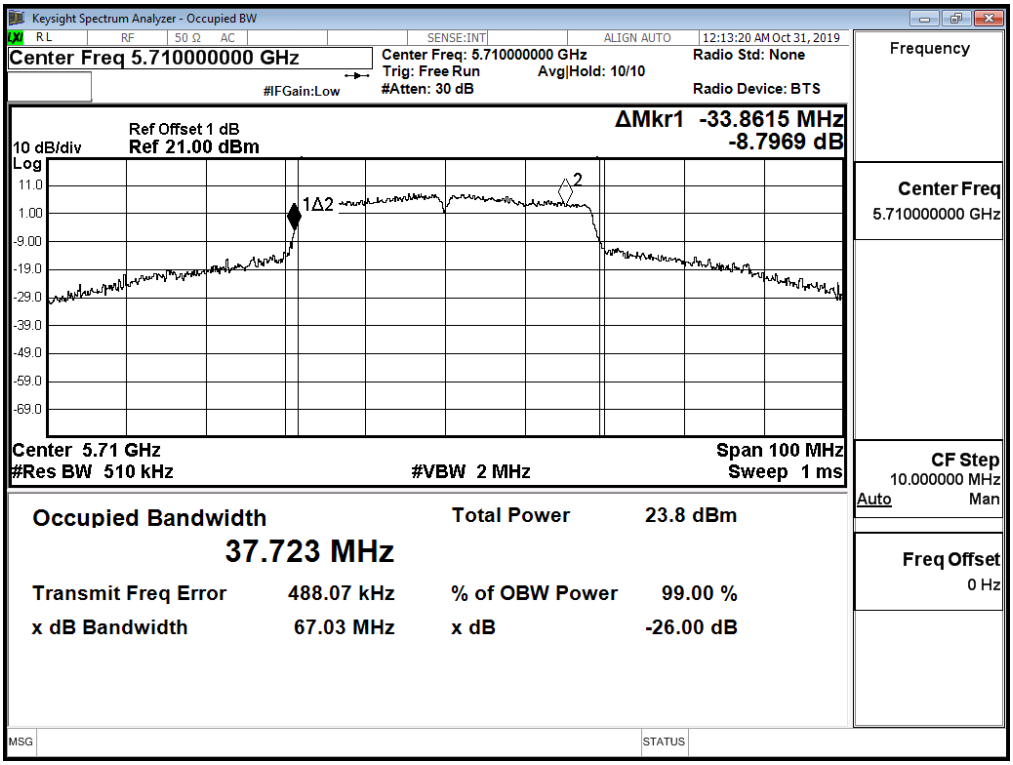
Maximum conducted output power Measurement:

Channel No	Frequency Range	26dB Bandwidth	Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	dBm+10log(BW)	
142F(Band3)	5710	33.862	17.550	17.55	24	Pass
142F(Band4)	5710	--	6.120	6.12	30	Pass

Note: Power Output Value =Reading value on average power meter + cable loss

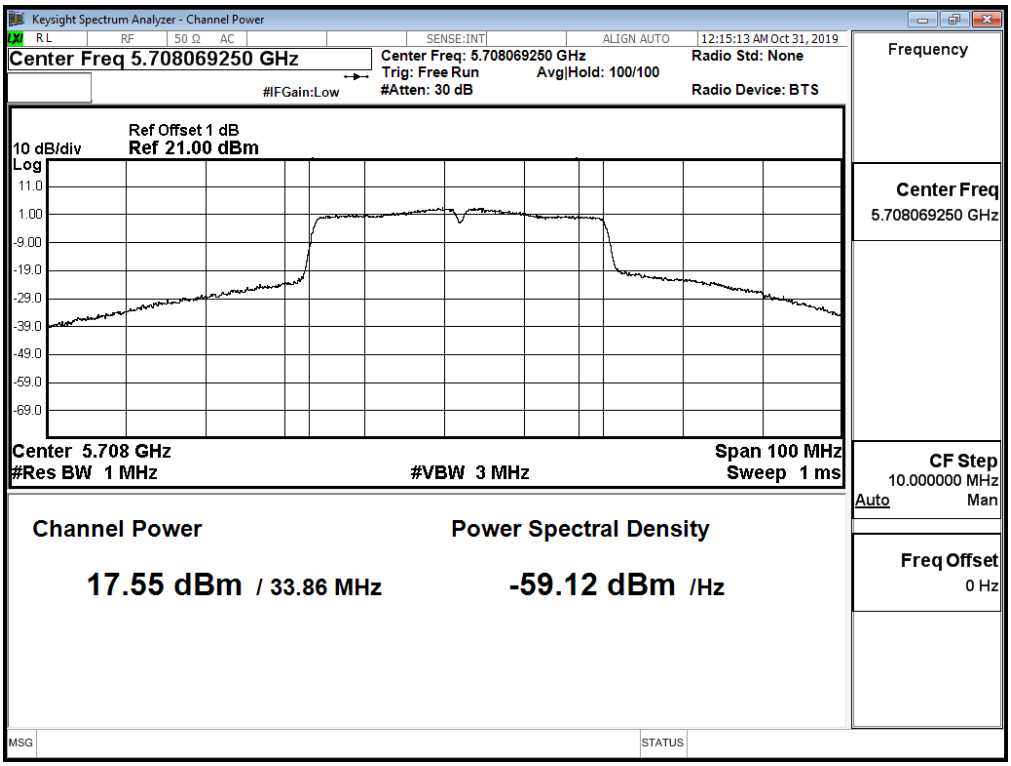
99% Occupied Bandwidth:

Channel 142

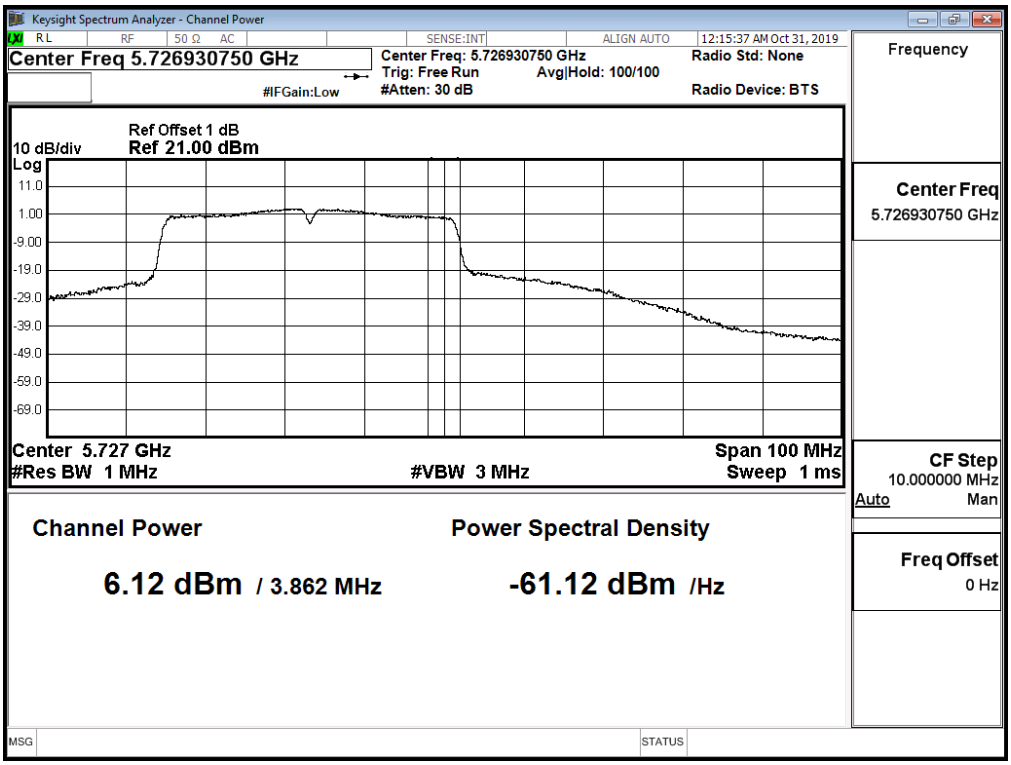


Maximum conducted output power:

Channel 142



Channel 142



Product : 23.1 inches Bar type Digital Signage
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
42	5210	10.36	10.23	10.13	10.06	9.93	9.81	9.73	9.65	9.52	9.45
58	5290	10.17	10.03	9.94	9.80	9.71	9.62	9.49	9.35	9.27	9.13
106	5530	8.96	--	--	--	--	--	--	--	--	--
122	5610	9.06	8.99	8.92	8.85	8.72	8.60	8.53	8.42	8.30	8.22
138(Band3)	5690	9.09	--	--	--	--	--	--	--	--	--
138(Band4)	5690	-6.38	--	--	--	--	--	--	--	--	--
155	5775	9.87	9.73	9.66	9.59	9.47	9.34	9.27	9.18	9.04	8.92

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

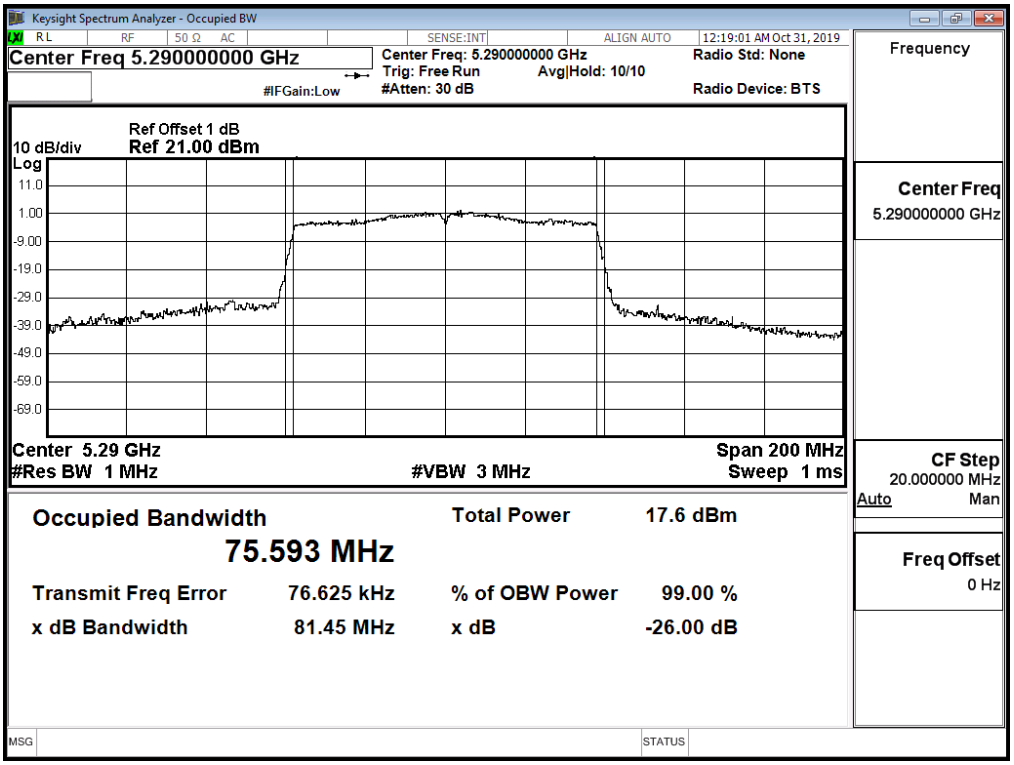
Maximum conducted output power Measurement

Channel No	Frequency Range	99% Bandwidth	Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	dBm+10log(BW)	
42	5210	--	10.360	24	--	Pass
58	5290	75.593	10.170	24	29.78	Pass
106	5530	75.613	8.960	24	29.79	Pass
122	5610	75.630	9.060	24	29.79	Pass
138(Band3)	5690	72.762	9.090	24	29.62	Pass
138(Band4)	5690	--	-6.380	30	--	Pass
155	5775	--	9.870	30	--	Pass

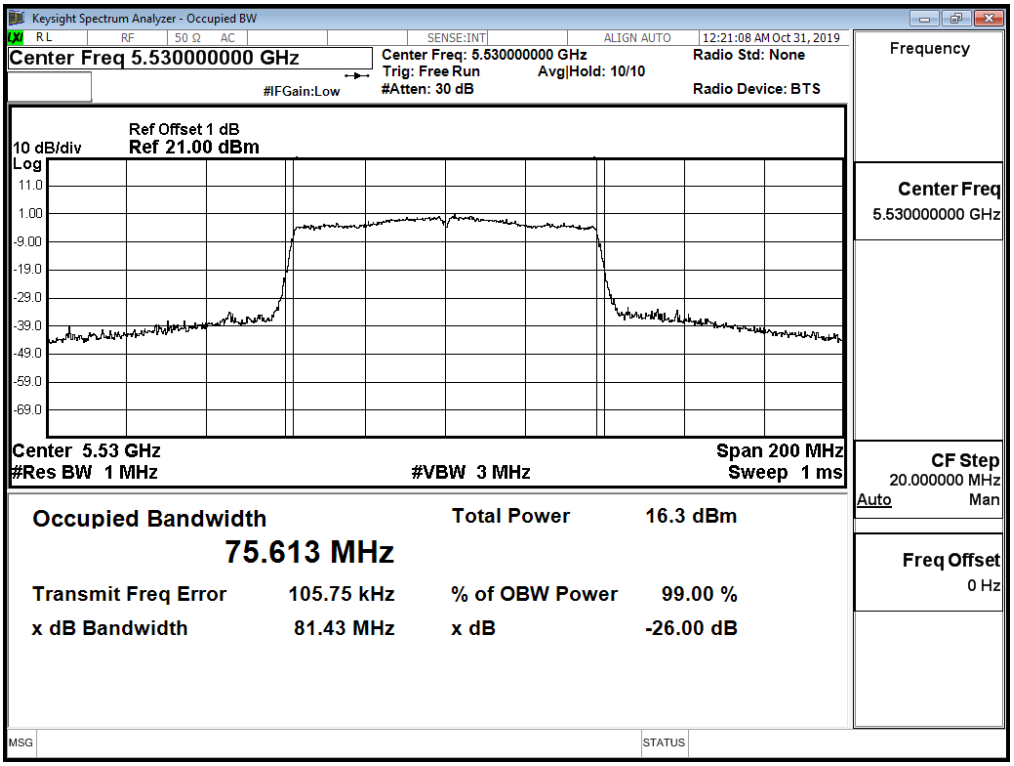
Note: Power Output Value =Reading value on average power meter + cable loss

99% Occupied Bandwidth:

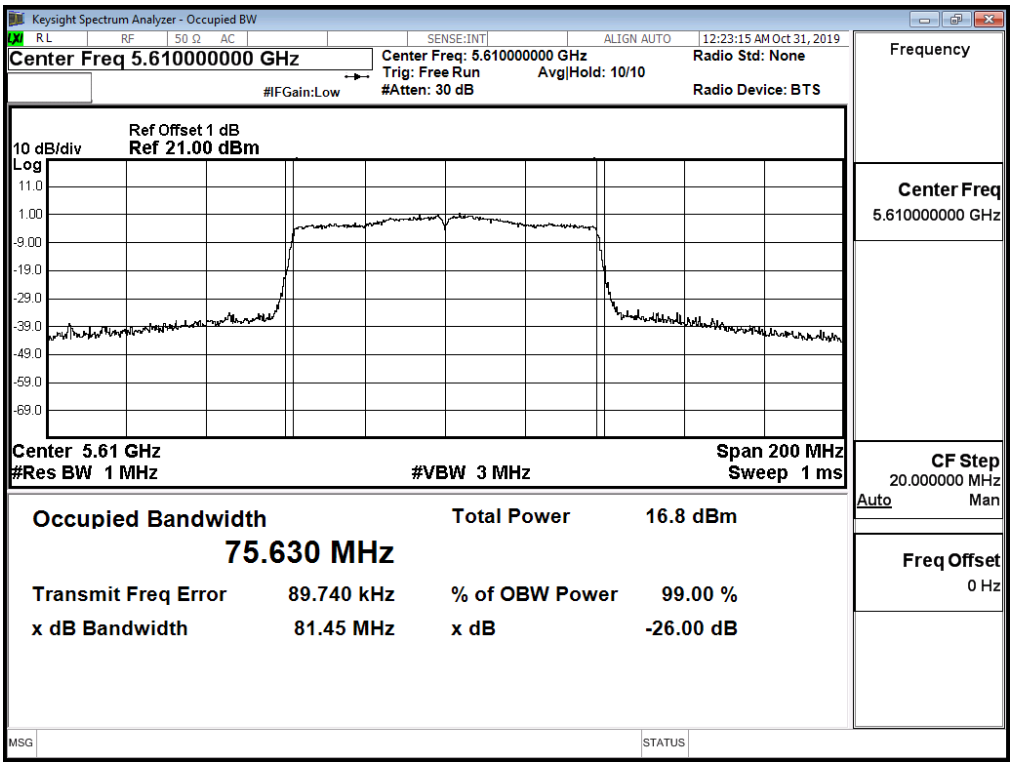
Channel 58



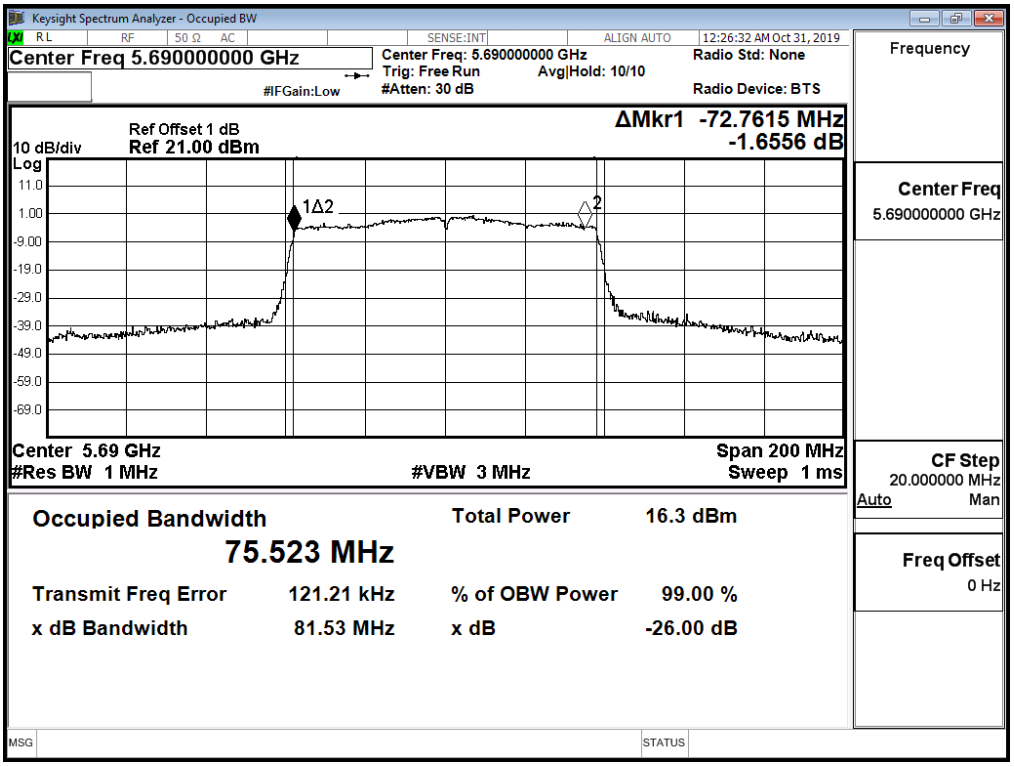
Channel 106



Channel 122

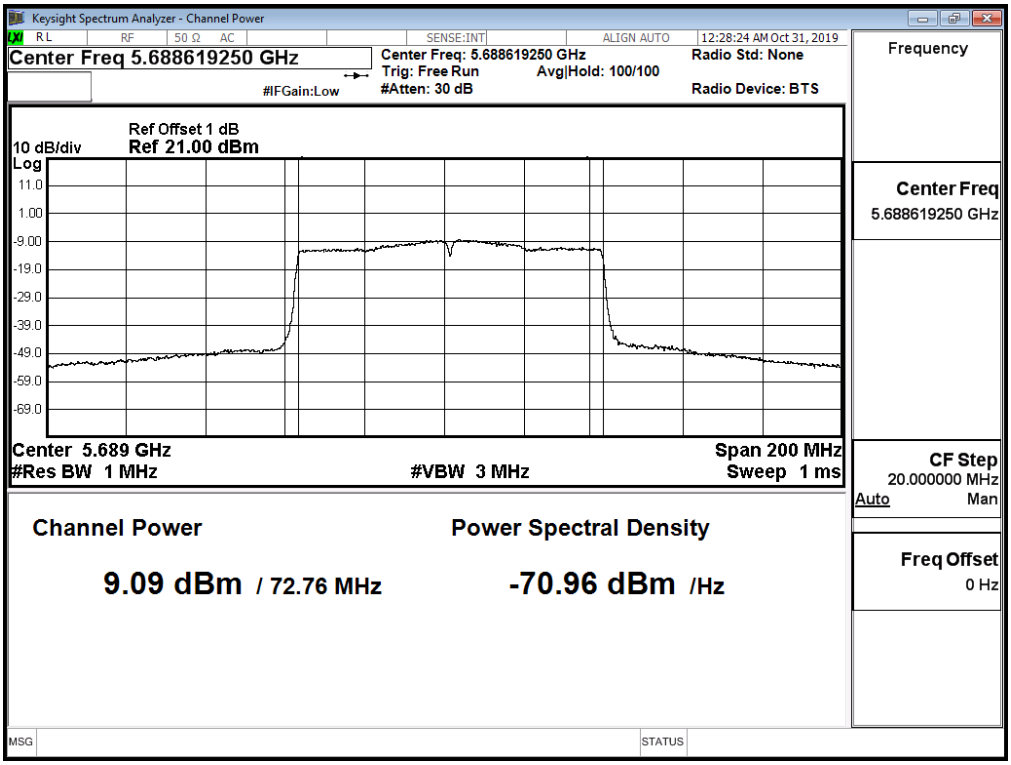


Channel 138

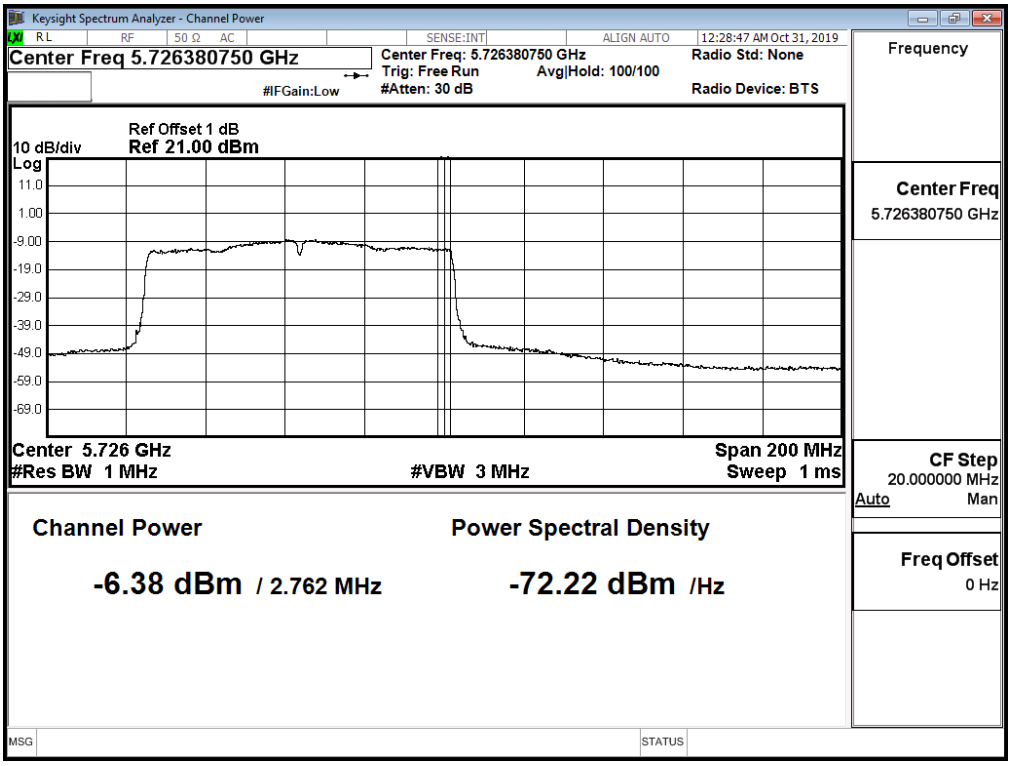


Maximum conducted output power:

Channel 138

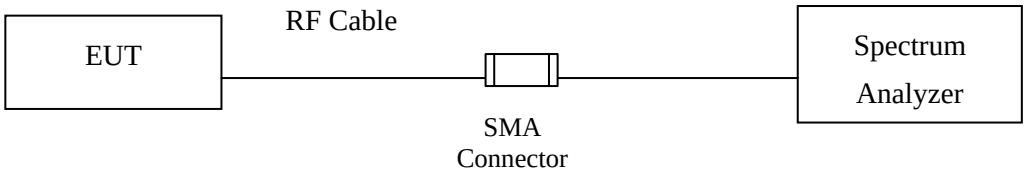


Channel 138



4. Peak Power Spectral Density

4.1. Test Setup



4.2. Limits

(1) For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-topoint U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable 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, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.+

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, 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, 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 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

4.3. Test Procedure

The EUT was setup to ANSI C63.10, 2009; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

The Peak Power Spectral Density using KDB 789033 section F) procedure, Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer.

SA-1 method is selected to run the test.

For the band 5.725-5.85 GHz, Scale the observed power level to an equivalent value in 500 kHz by adjusting (increase) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log (500 kHz/100 kHz) = 6.98 dB.

4.4. Uncertainty

± 1.62 dB

4.5. Test Result of Peak Power Spectral Density

Product : 23.1 inches Bar type Digital Signage
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps)

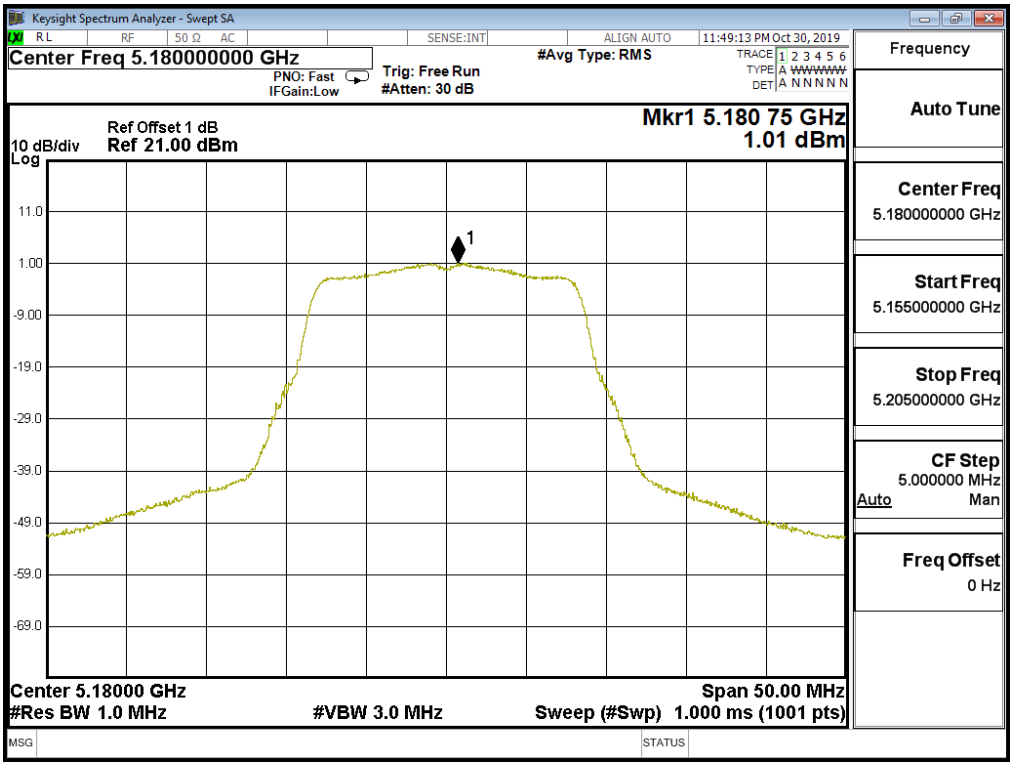
Channel Number	Frequency (MHz)	Data Rata (Mbps)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	6	1.010	11	Pass
44	5220	6	0.800	11	Pass
48	5240	6	0.610	11	Pass
52	5260	6	0.830	11	Pass
60	5300	6	0.410	11	Pass
64	5320	6	0.740	11	Pass
100	5500	6	-0.660	11	Pass
116	5580	6	-0.130	11	Pass
140	5700	6	-0.730	11	Pass

Note: Total PPSD Value = Measurement Level + Duty Factor

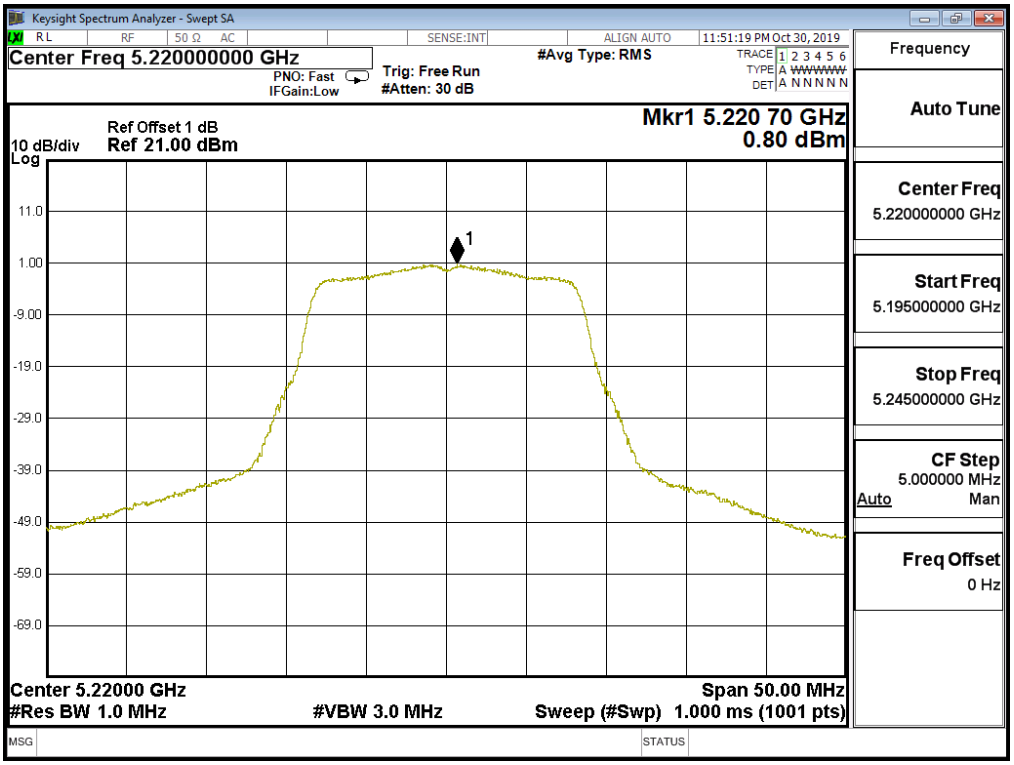
Channel Number	Frequency (MHz)	Data Rata (Mbps)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
149	5745	6	-8.890	6.980	-1.910	<30	Pass
157	5785	6	-8.720	6.980	-1.740	<30	Pass
165	5825	6	-8.480	6.980	-1.500	<30	Pass

Note: Total PPSD Value = PPSD value + Duty Factor + BWCF.

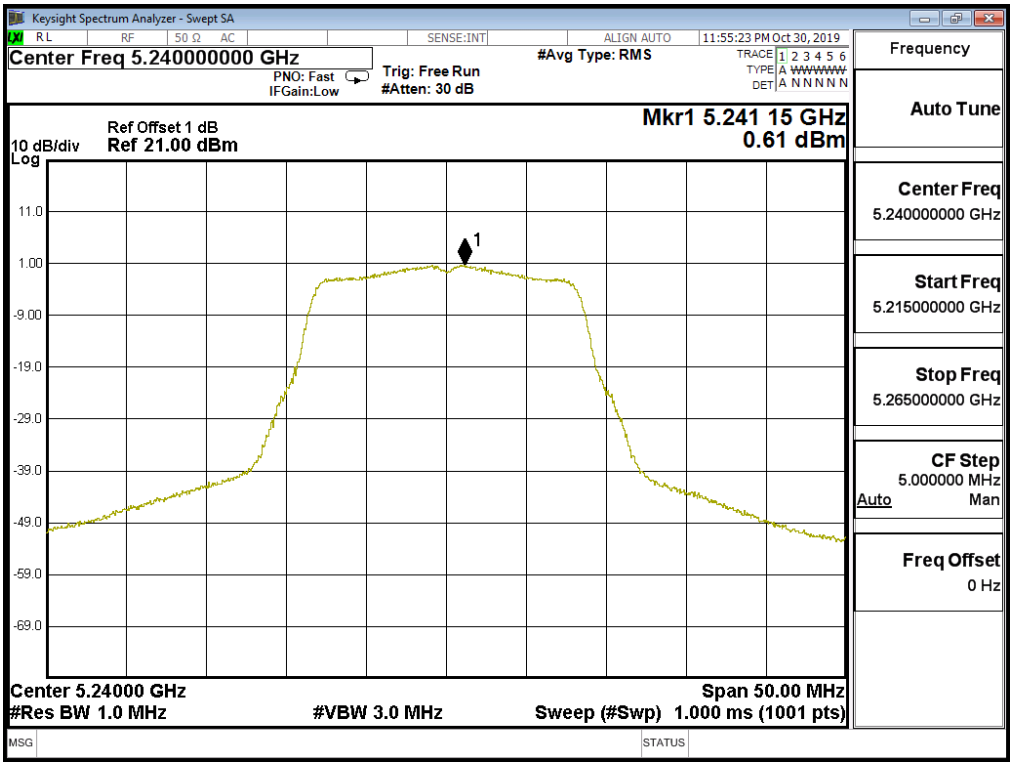
Channel 36:



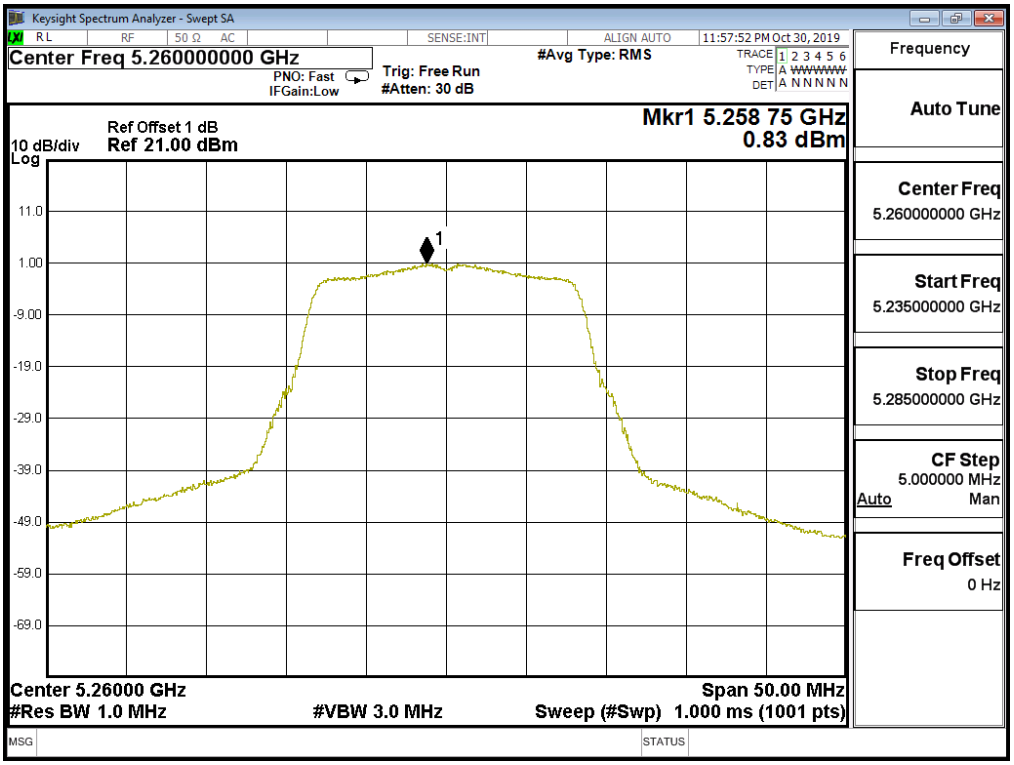
Channel 44:



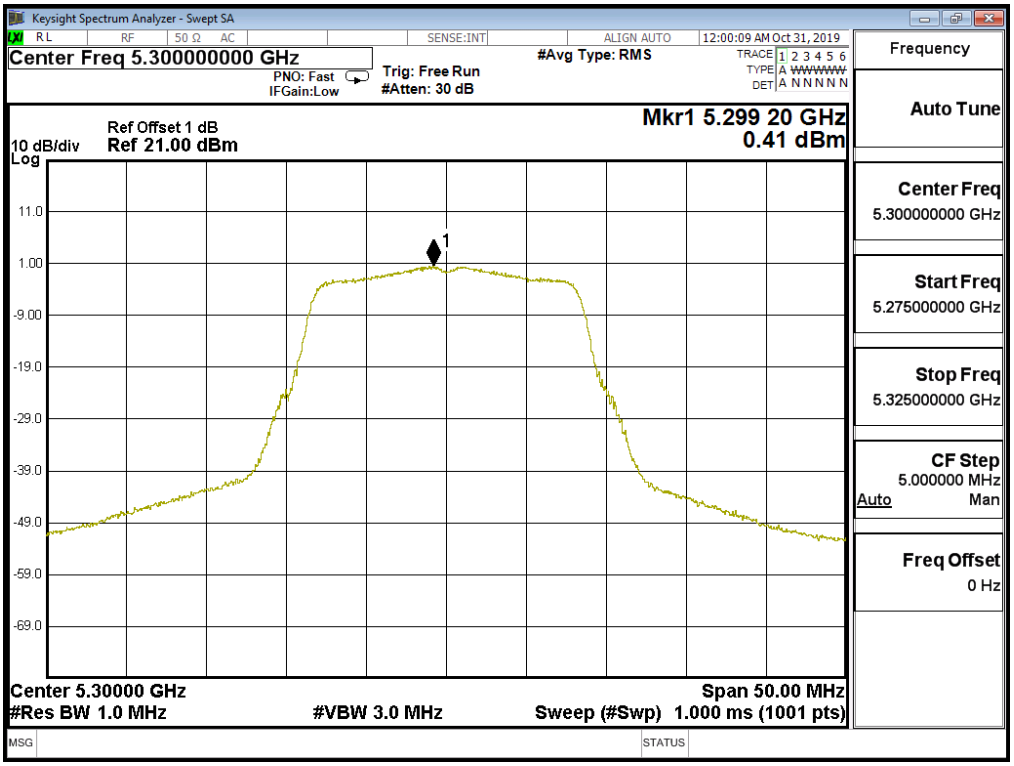
Channel 48:



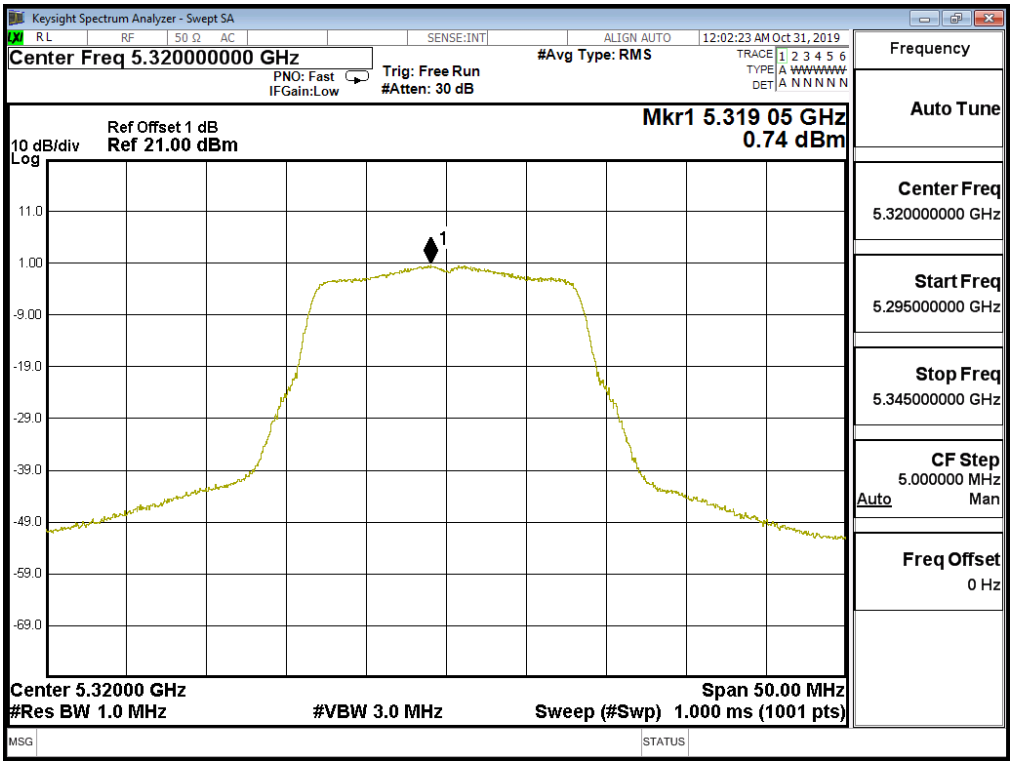
Channel 52:



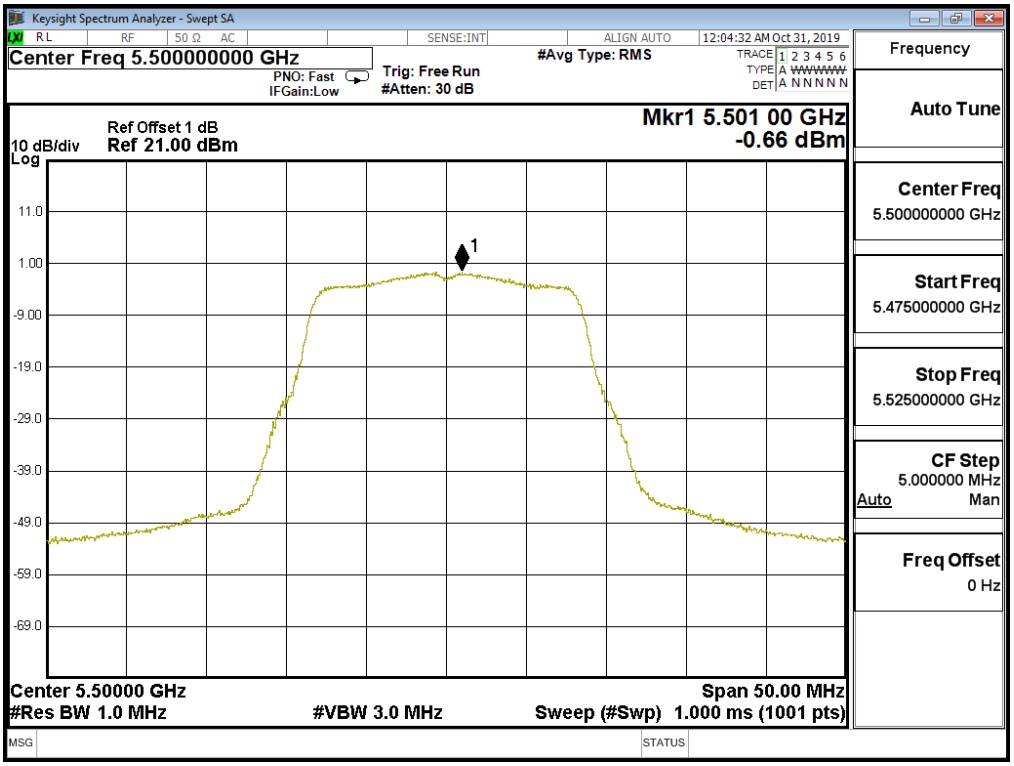
Channel 60:



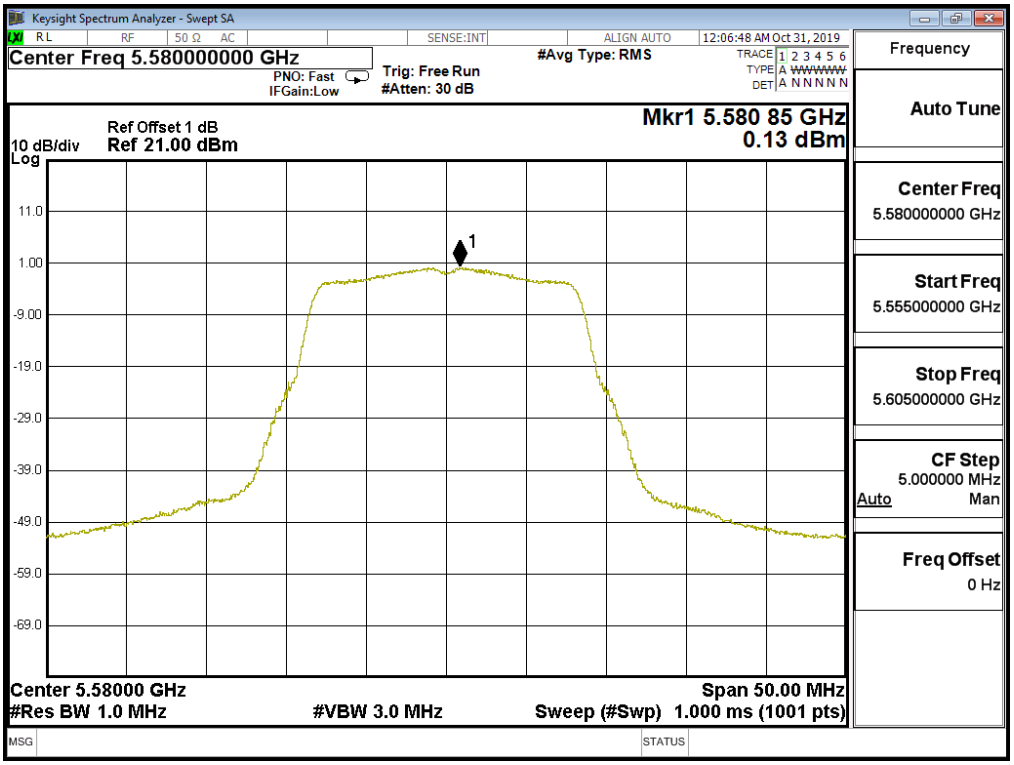
Channel 64:



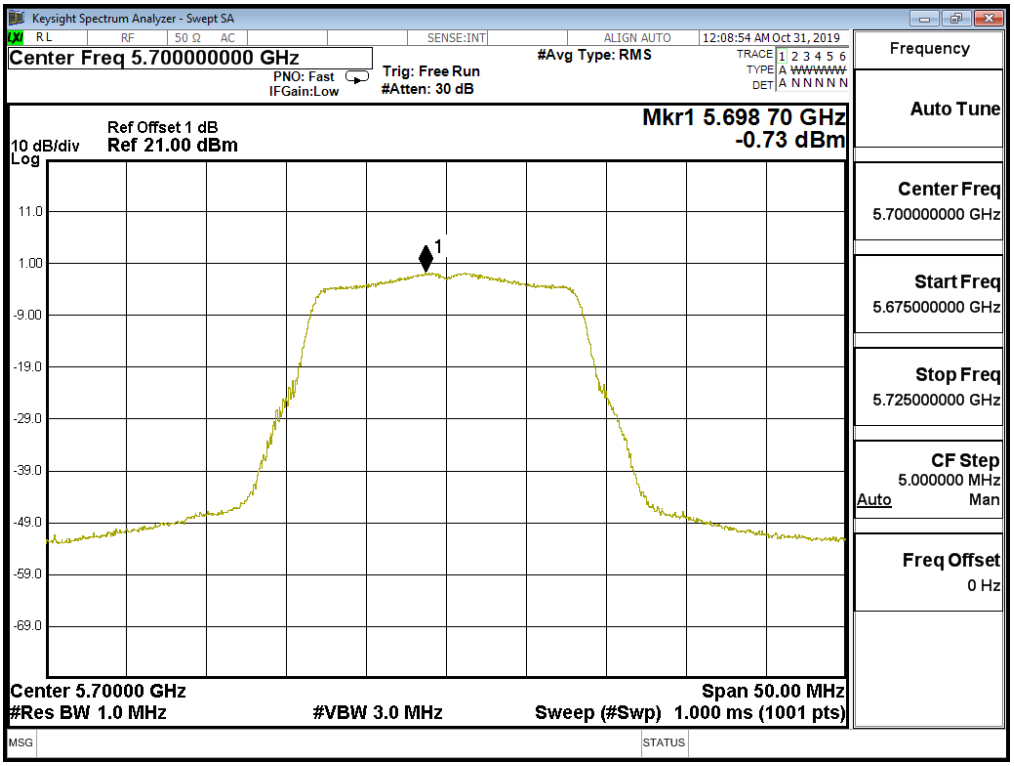
Channel 100:



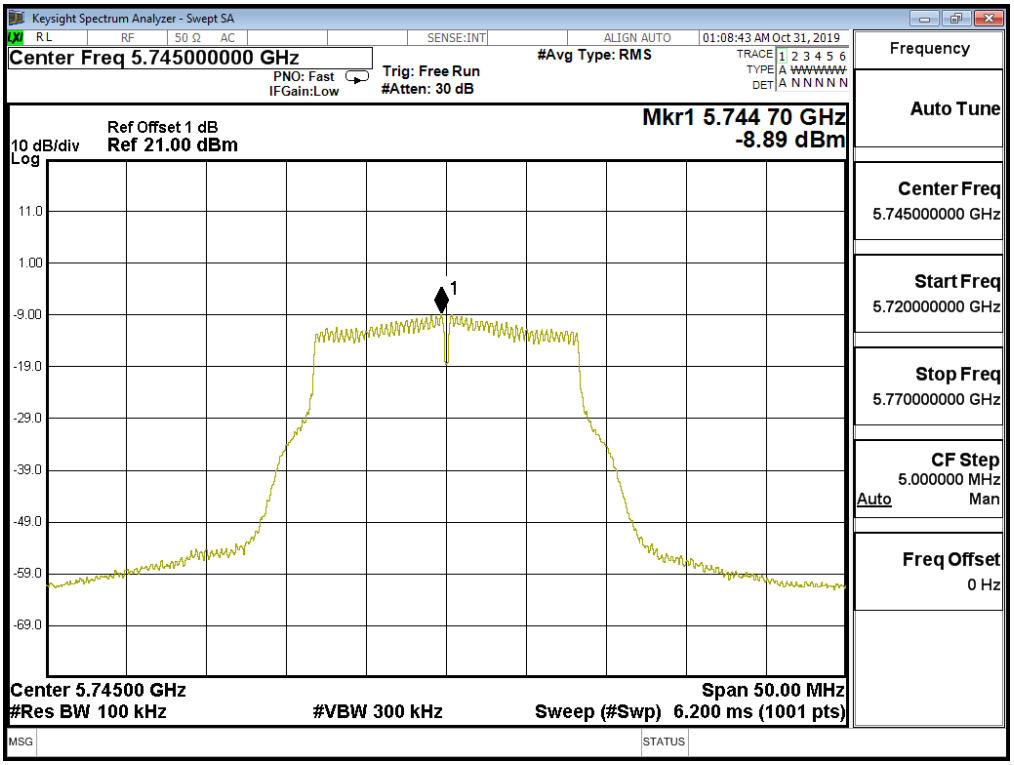
Channel 116:



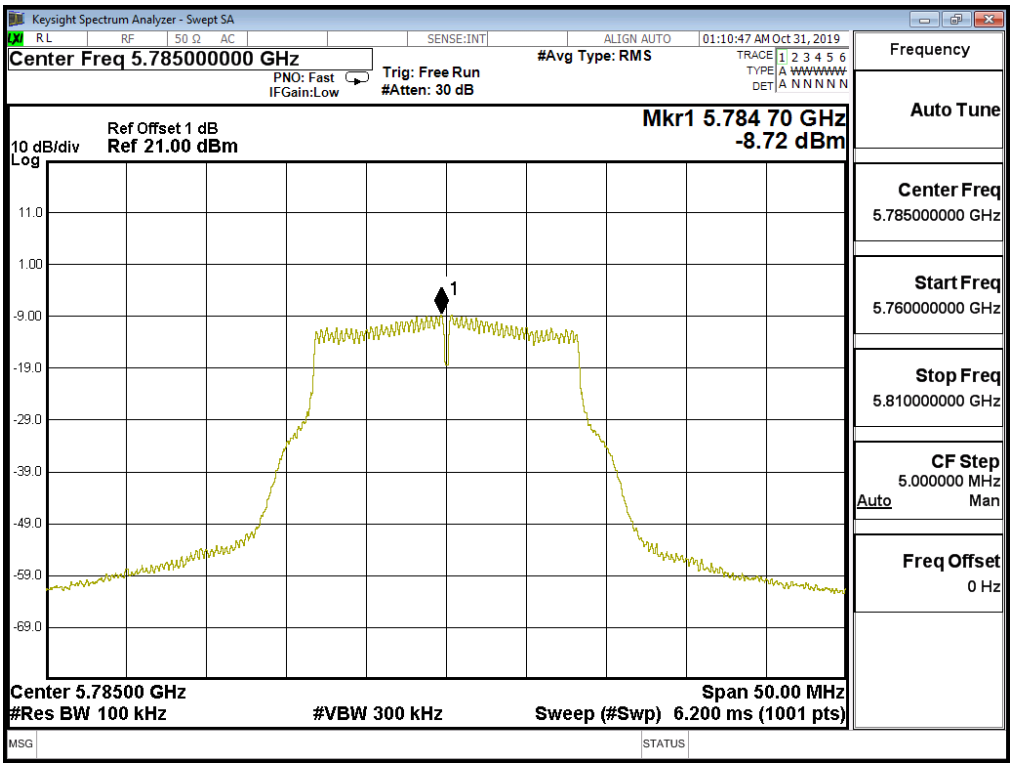
Channel 140:



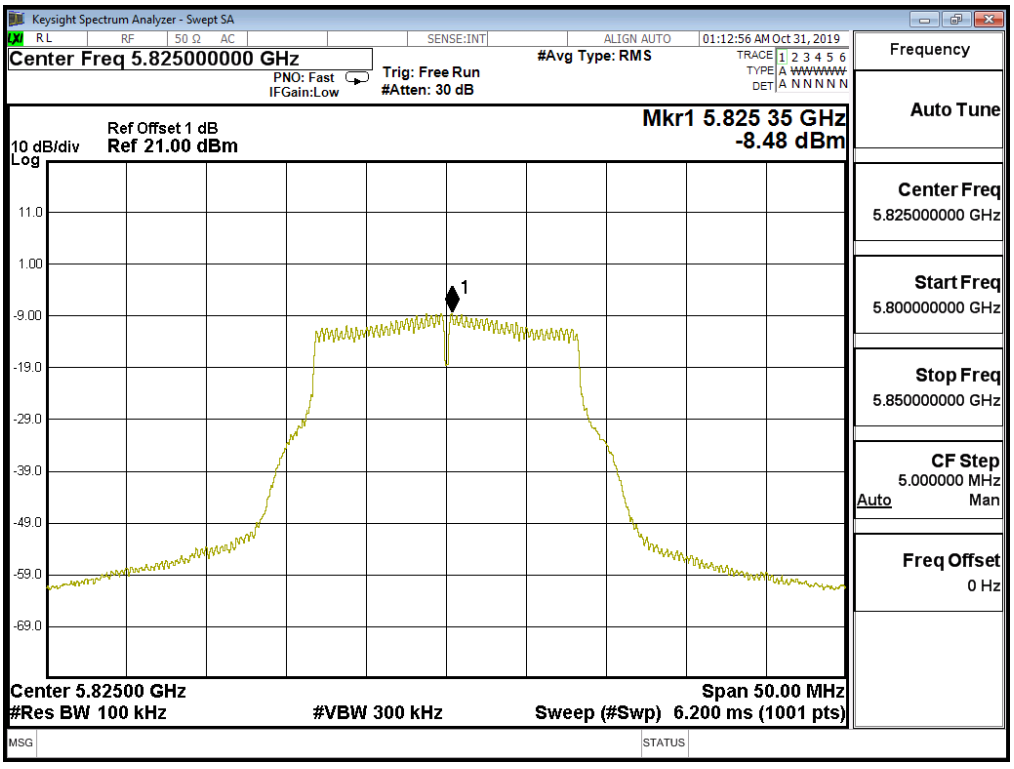
Channel 149



Channel 157



Channel 165



Product : 23.1 inches Bar type Digital Signage
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)

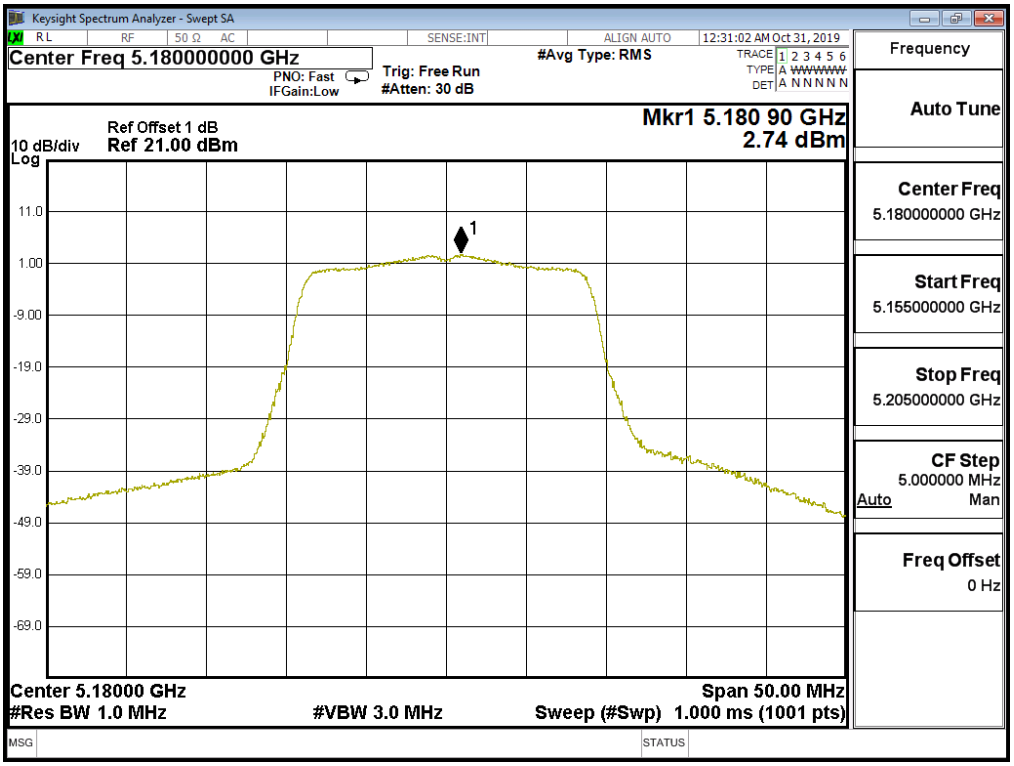
Channel Number	Frequency (MHz)	Data Rata (Mbps)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	HT0	2.740	11	Pass
44	5220	HT0	2.560	11	Pass
48	5240	HT0	2.700	11	Pass
52	5260	HT0	2.660	11	Pass
60	5300	HT0	2.290	11	Pass
64	5320	HT0	2.220	11	Pass
100	5500	HT0	1.080	11	Pass
116	5580	HT0	2.050	11	Pass
140	5700	HT0	0.970	11	Pass

Note: Total PPSD Value = Measurement Level + Duty Factor

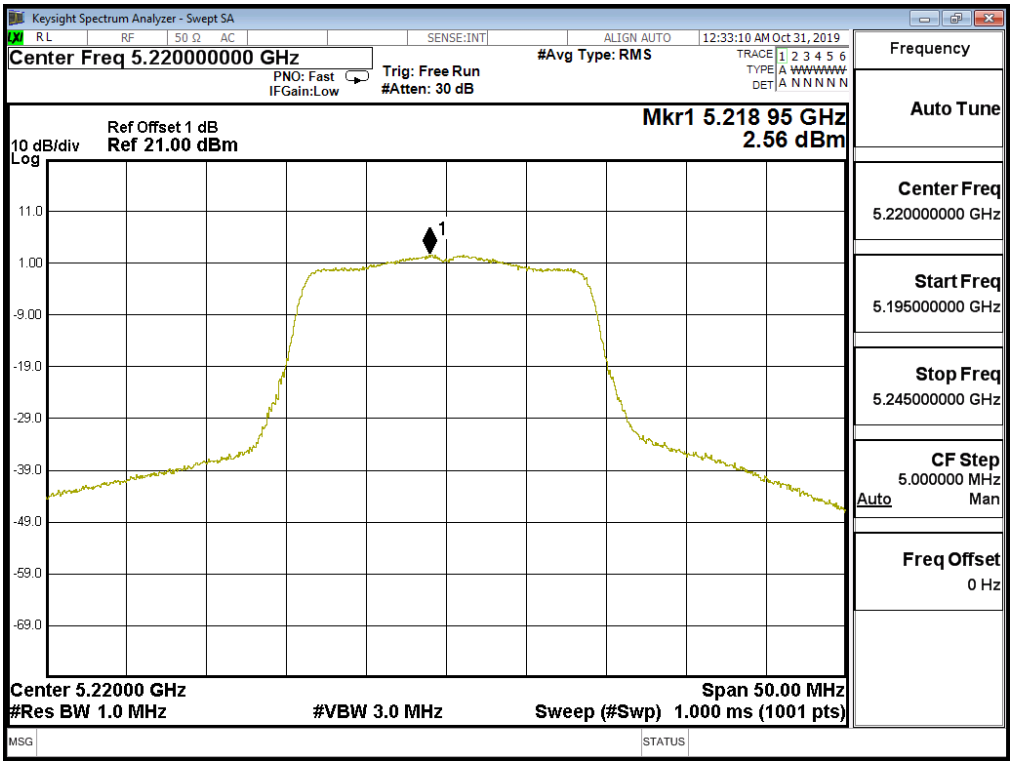
Channel Number	Frequency (MHz)	Data Rata (Mbps)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
149	5745	HT0	-7.150	6.980	-0.170	<30	Pass
157	5785	HT0	-6.830	6.980	0.150	<30	Pass
165	5825	HT0	-6.510	6.980	0.470	<30	Pass

Note: Total PPSD Value = PPSD value + Duty Factor + BWCF

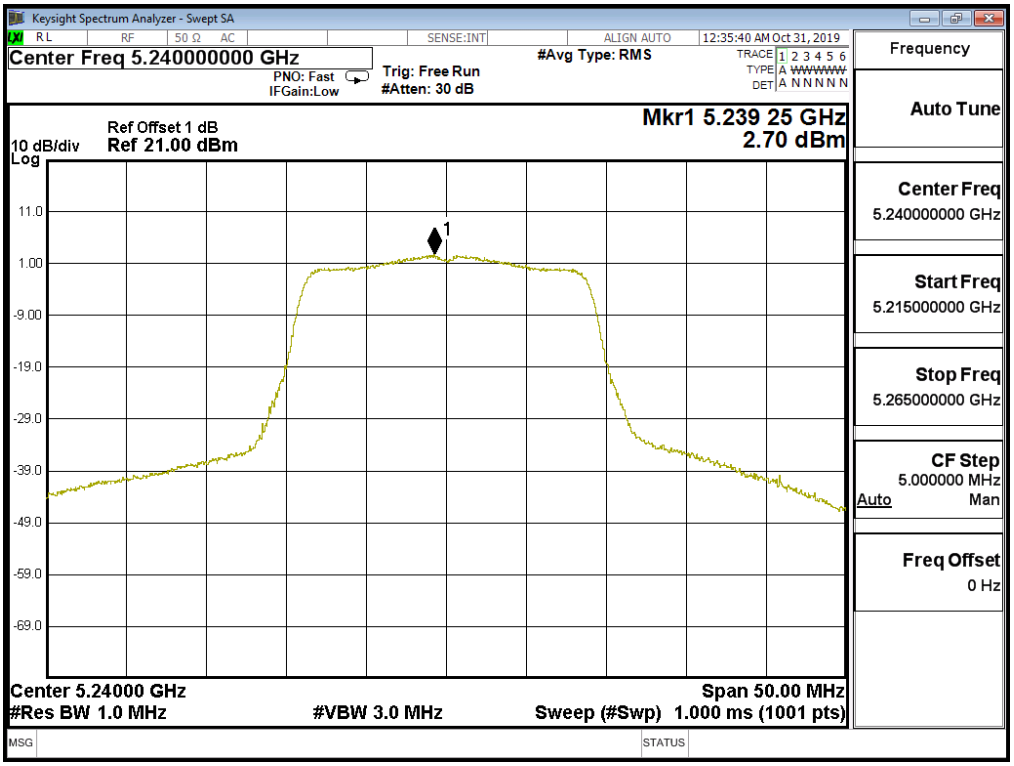
Channel 36:



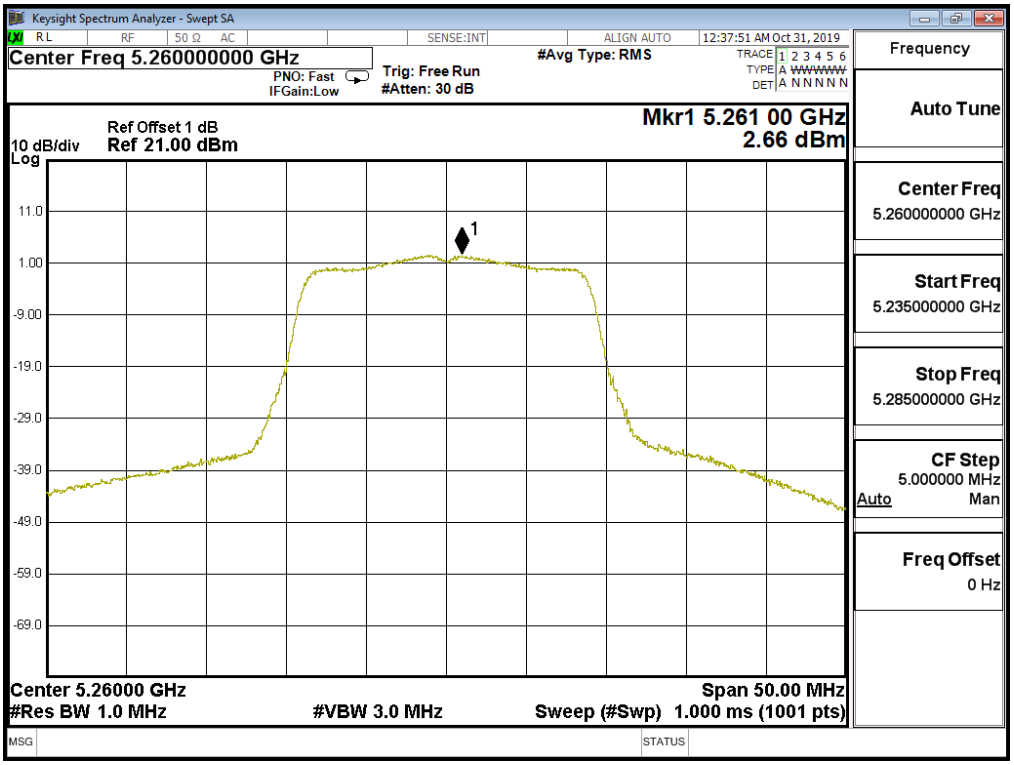
Channel 44:



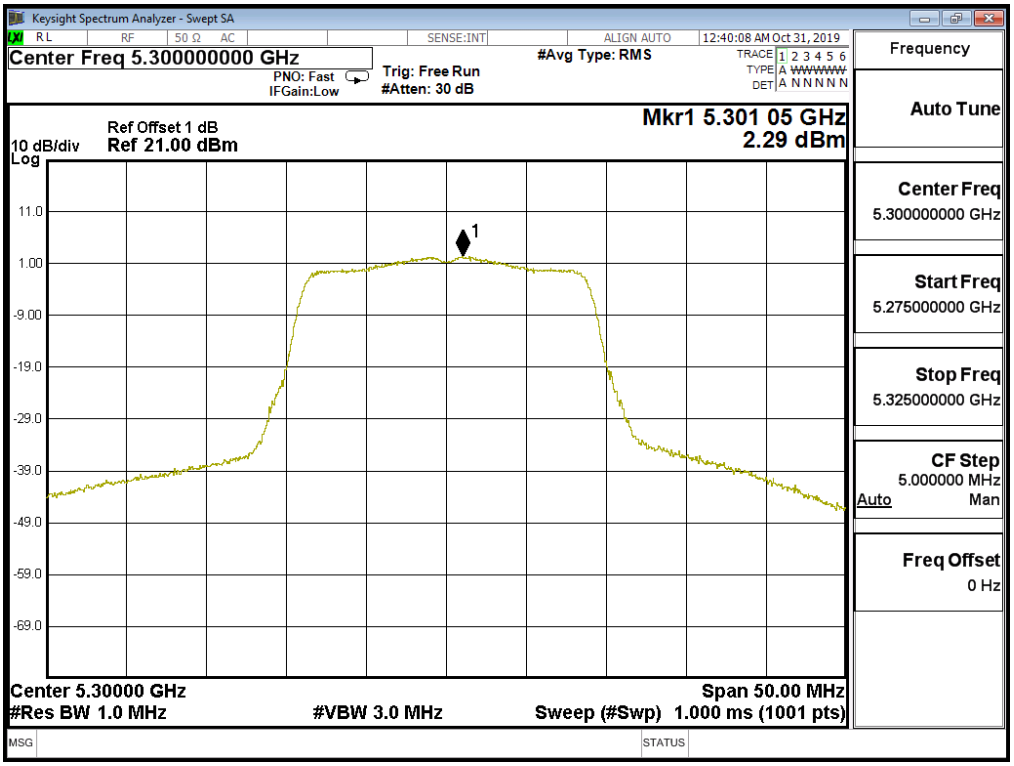
Channel 48:



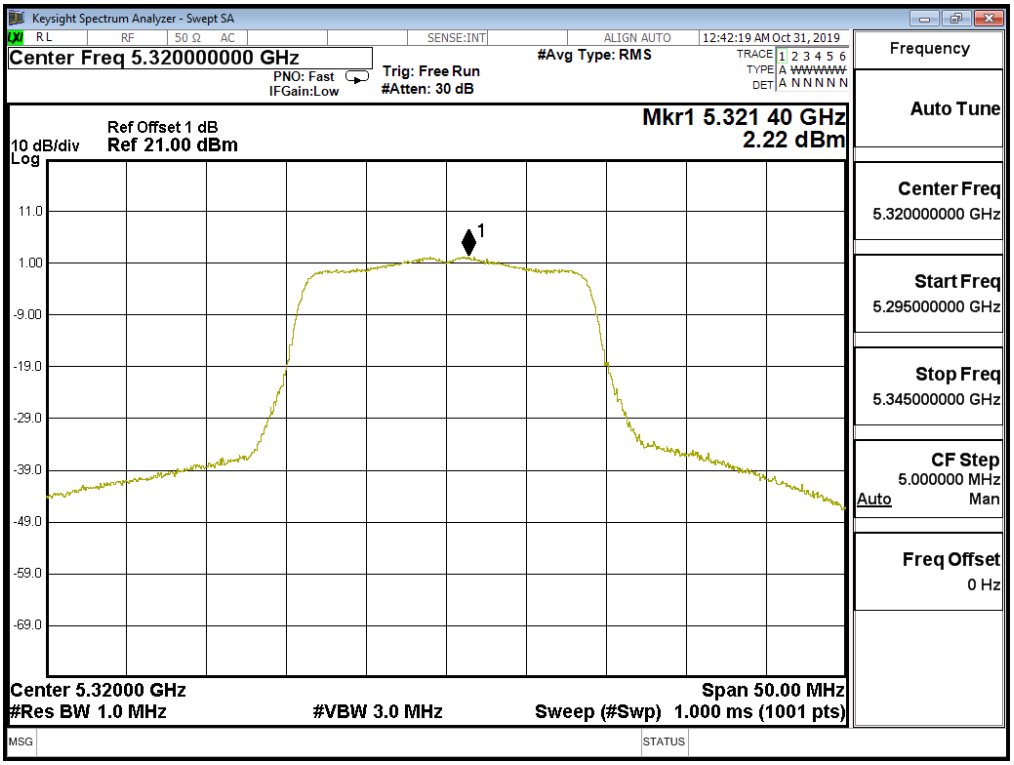
Channel 52:



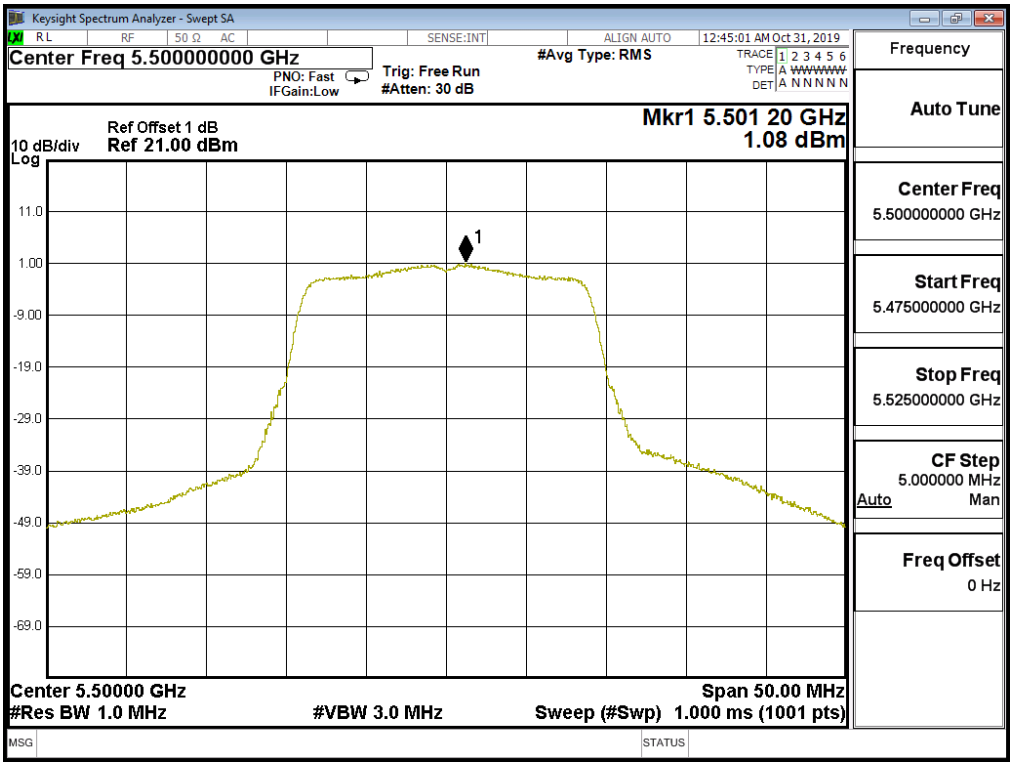
Channel 60:



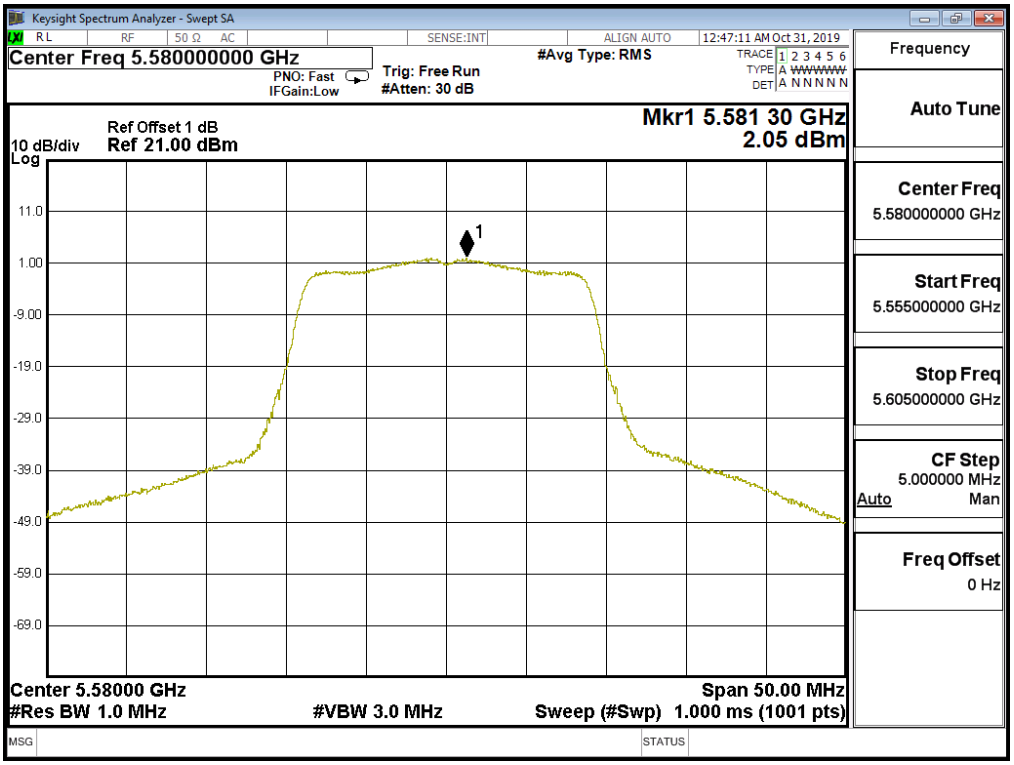
Channel 64:



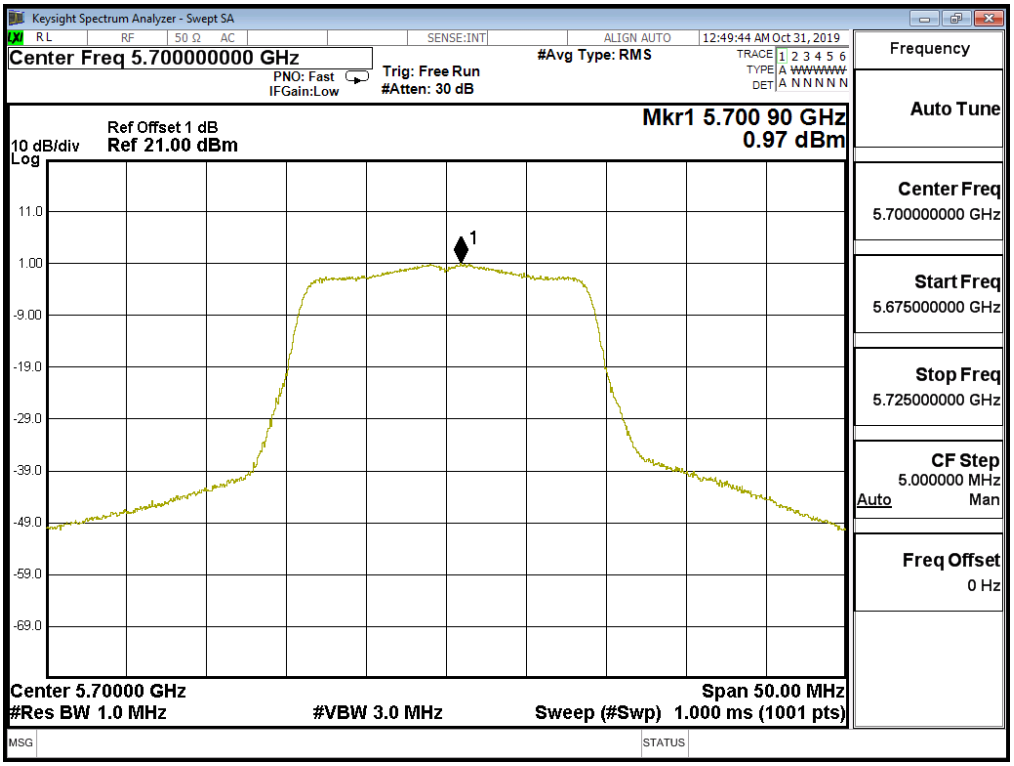
Channel 100:



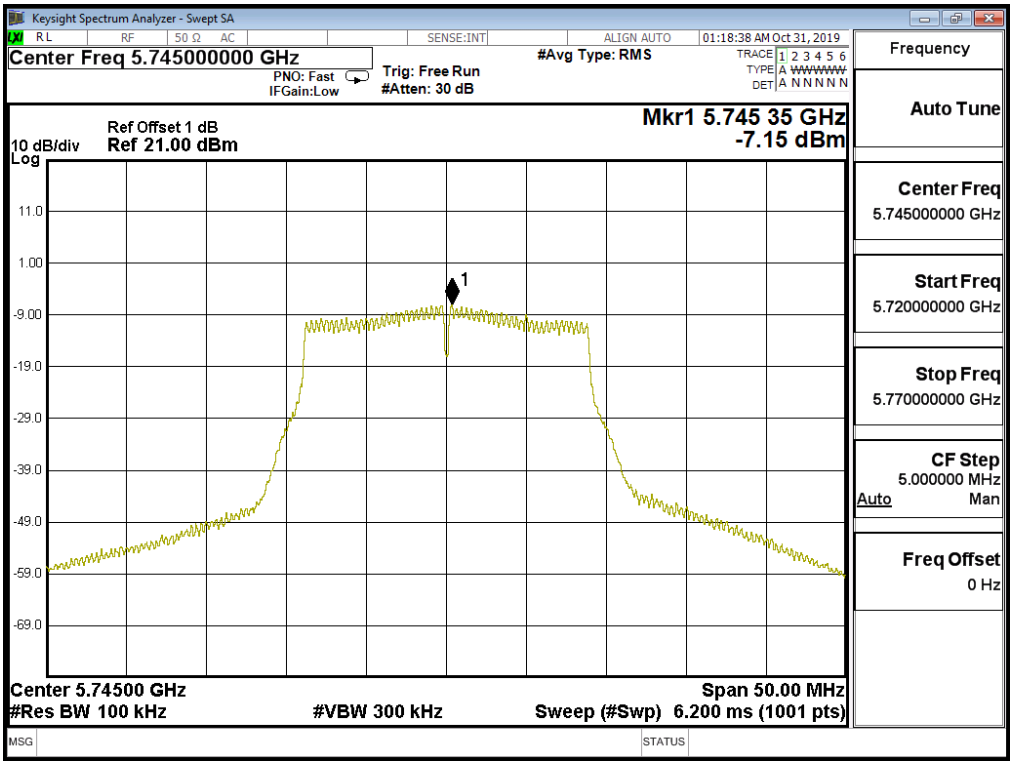
Channel 116:



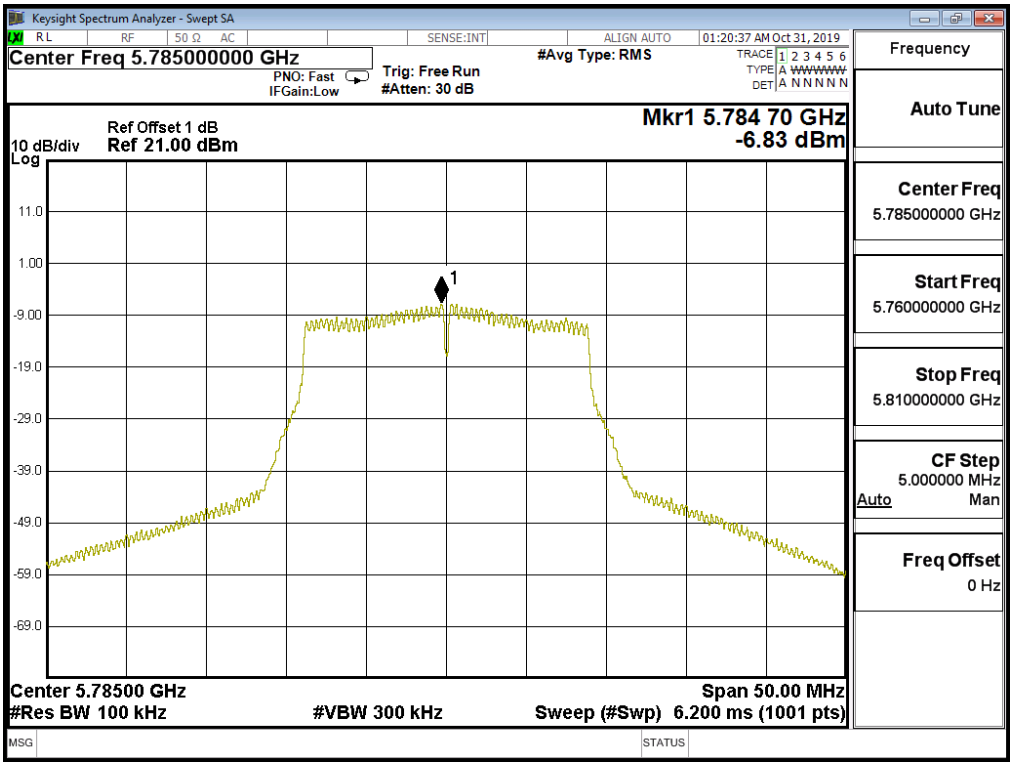
Channel 140:



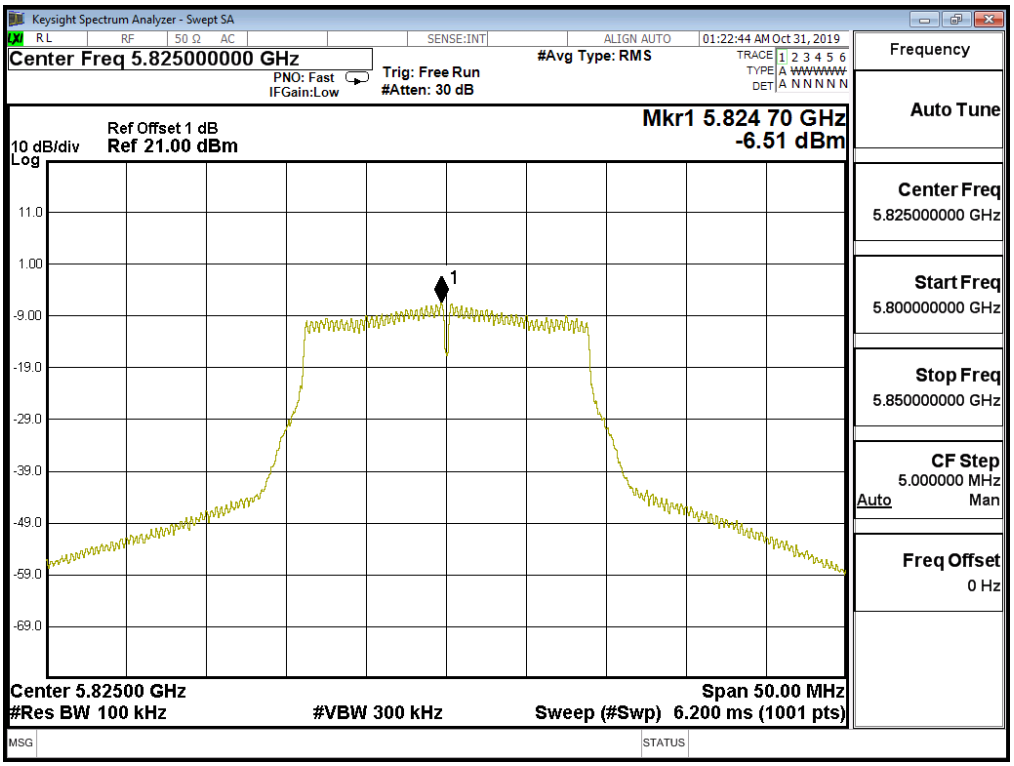
Channel 149



Channel 157



Channel 165



Product : 23.1 inches Bar type Digital Signage
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)

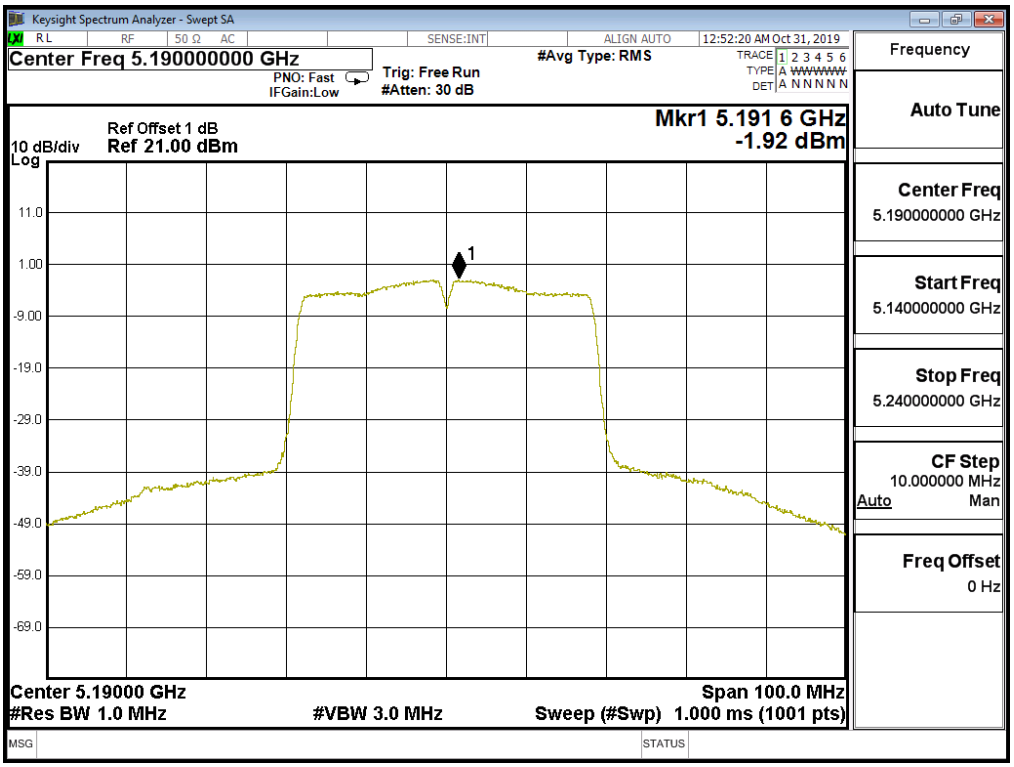
Channel Number	Frequency (MHz)	Data Rata (Mbps)	Measurement Level (dBm)	Required Limit (dBm)	Result
38	5190	HT0	-1.920	11	Pass
46	5230	HT0	-1.730	11	Pass
54	5270	HT0	-1.780	11	Pass
62	5310	HT0	-2.090	11	Pass
102	5510	HT0	-3.380	11	Pass
110	5550	HT0	-2.510	11	Pass
134	5670	HT0	-2.960	11	Pass

Note: Total PPSD Value = Measurement Level + Duty Factor

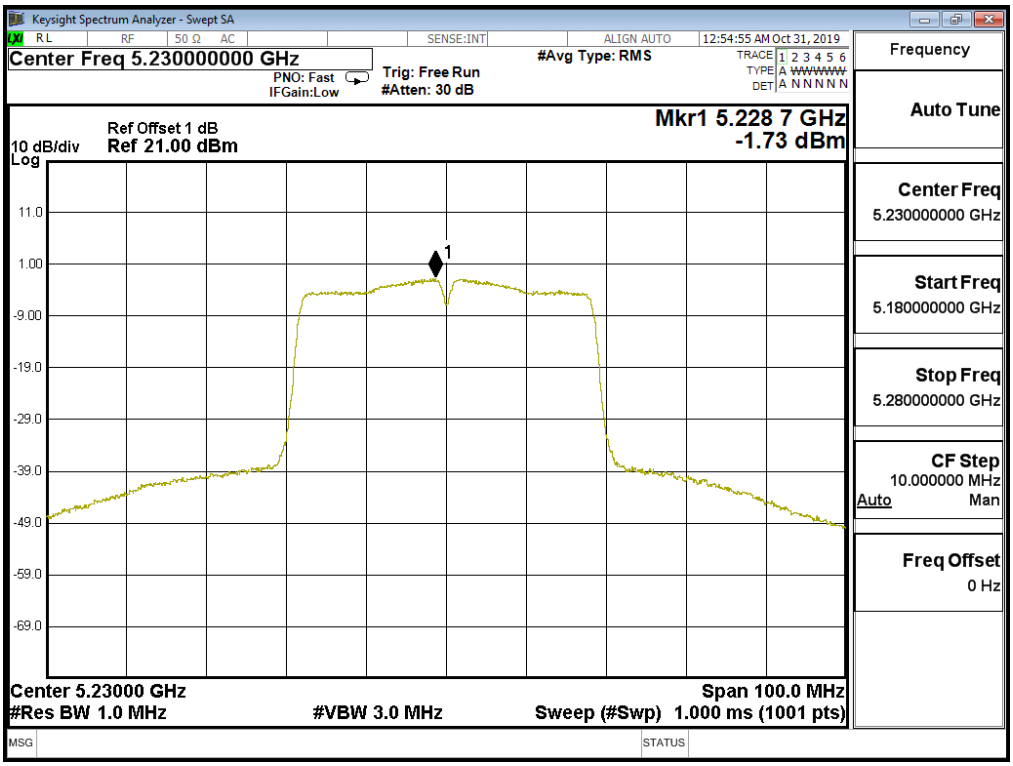
Channel Number	Frequency (MHz)	Data Rata (Mbps)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
151	5755	HT0	-11.450	6.980	-4.470	<30	Pass
159	5795	HT0	-11.350	6.980	-4.370	<30	Pass

Note: Total PPSD Value = PPSD value + Duty Factor + BWCF

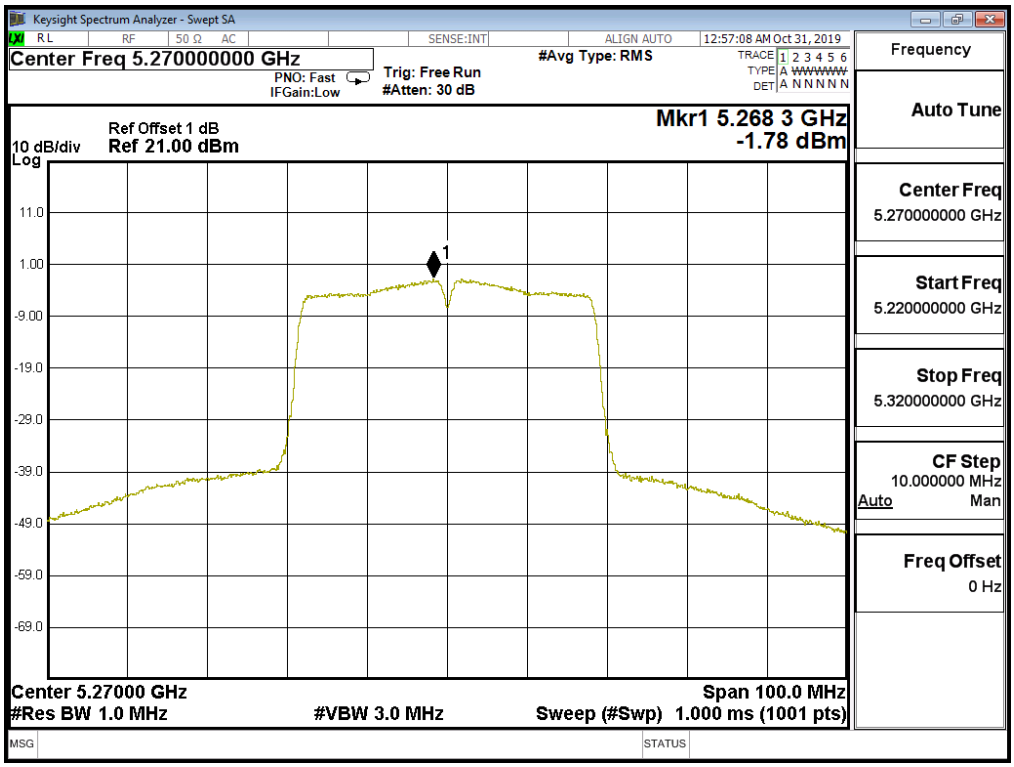
Channel 38



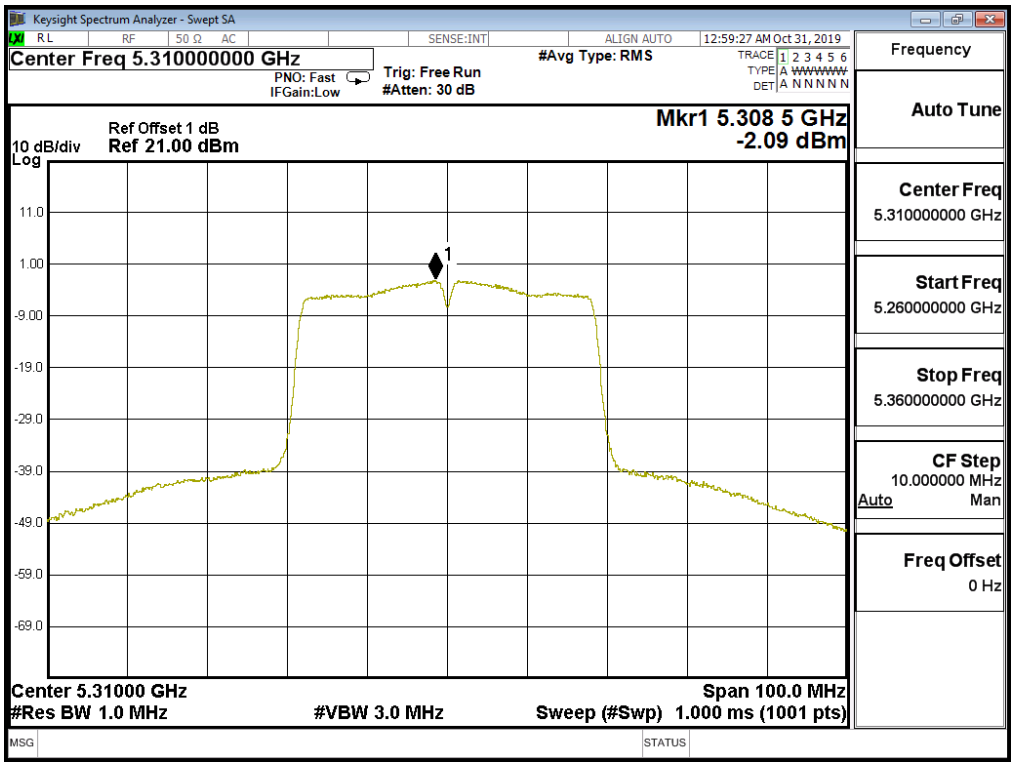
Channel 46



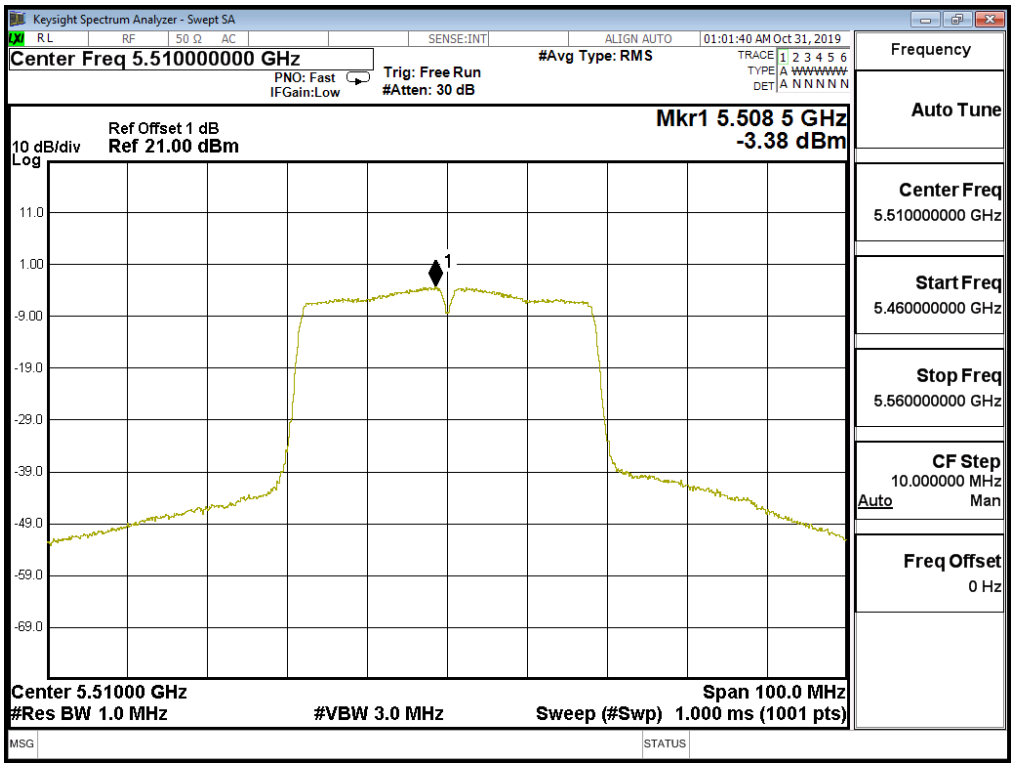
Channel 54



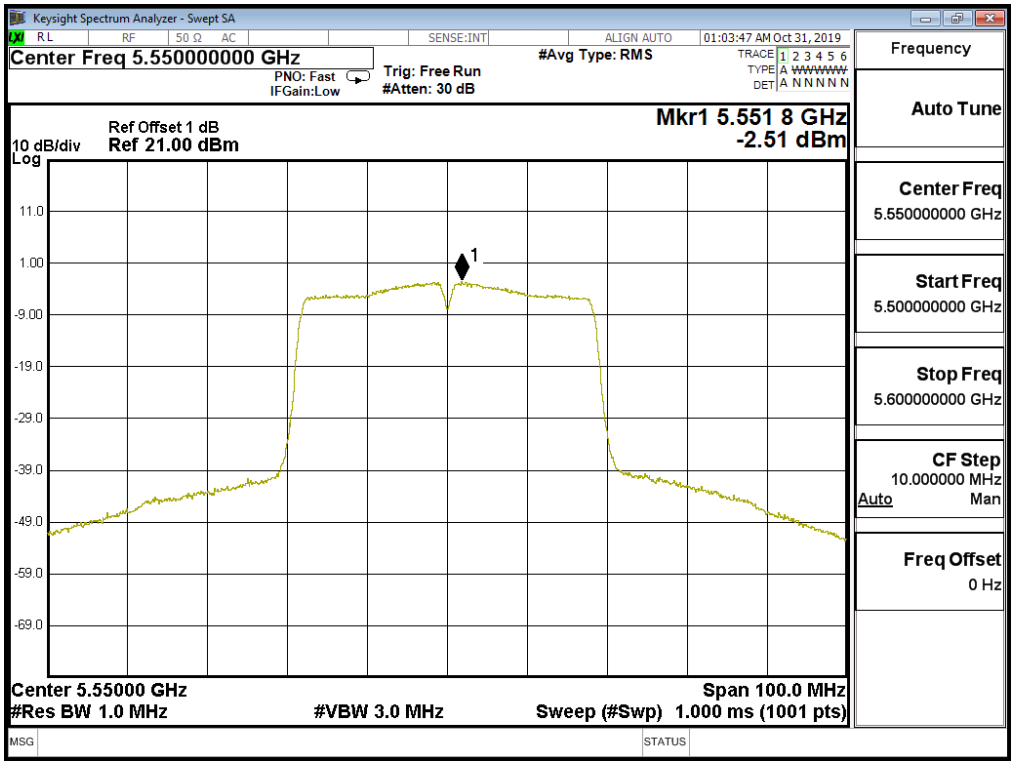
Channel 62



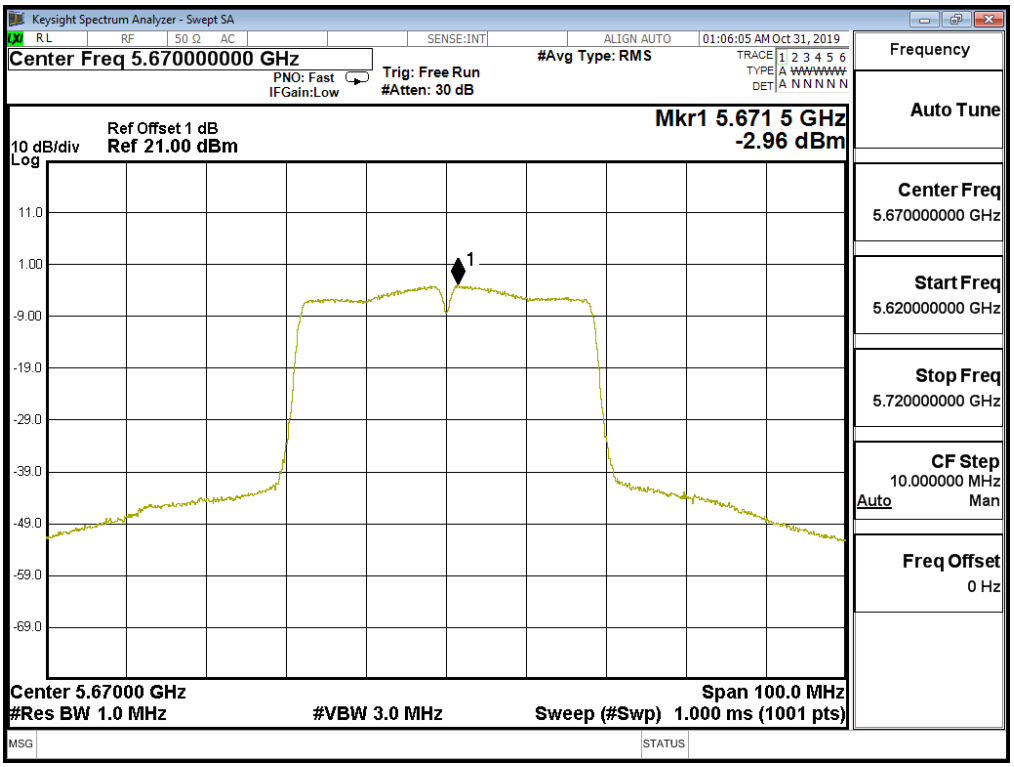
Channel 102



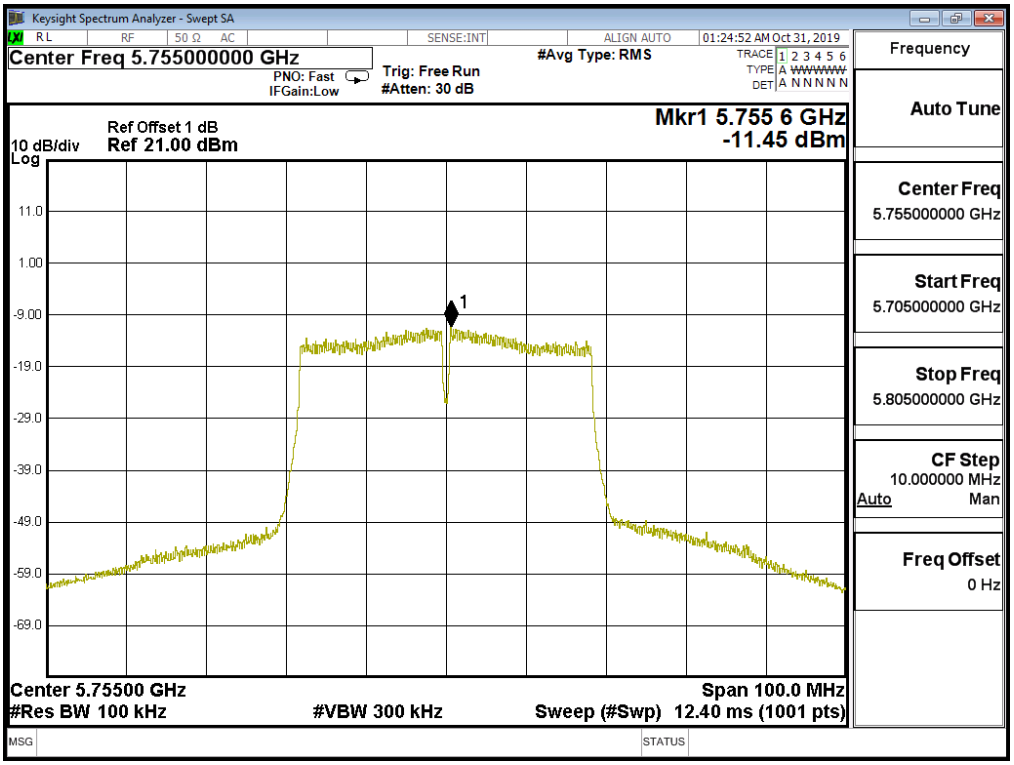
Channel 110



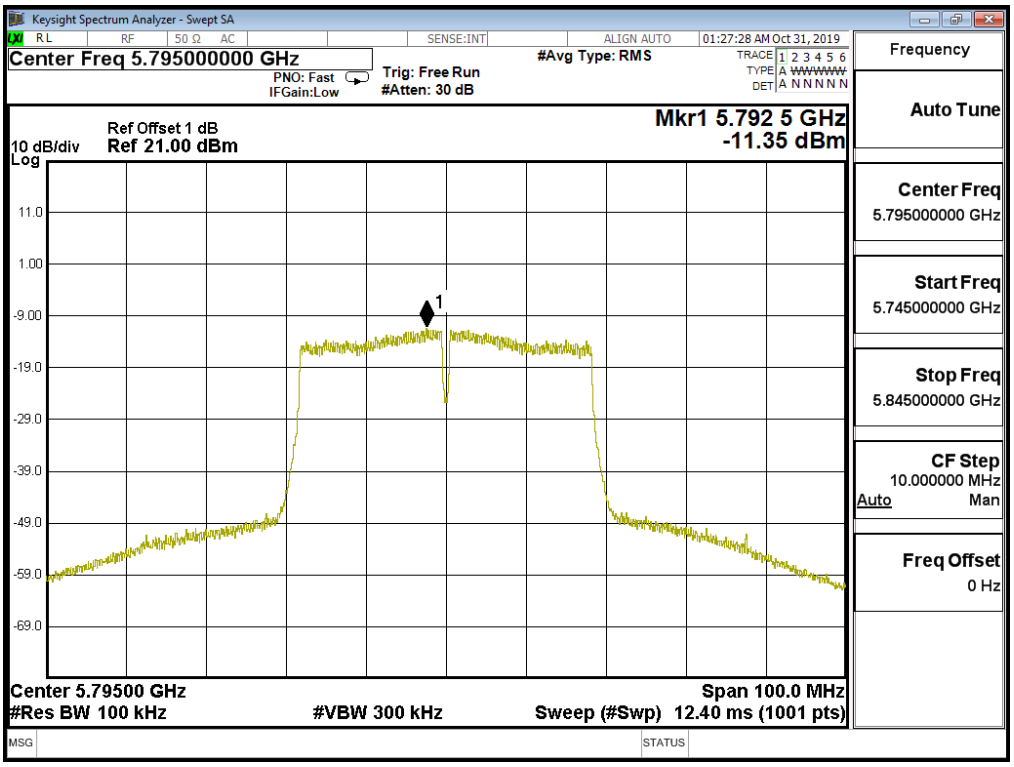
Channel 134



Channel 151



Channel 159

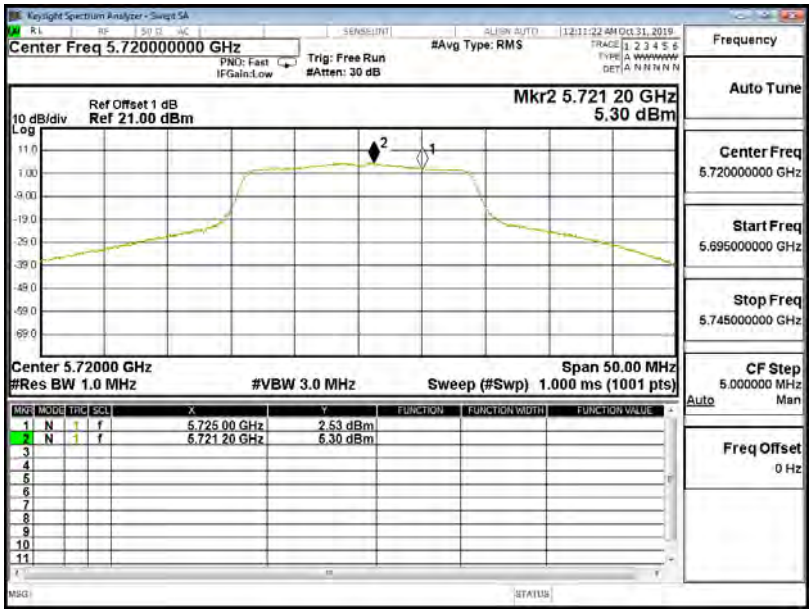

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
01:27:28 AM Oct 31, 2019
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Ref Offset 1 dB
10 dB/div
Log
Ref 21.00 dBm
Mkr1 5.792 5 GHz
-11.35 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
1
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep (#Swp) 12.40 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.745000000 GHz
Stop Freq
5.845000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product : 23.1 inches Bar type Digital Signage
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps)

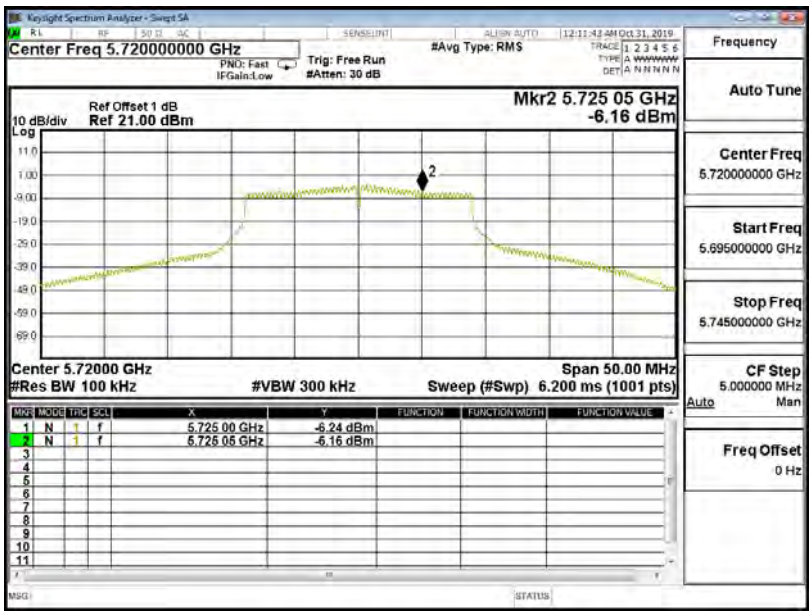
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)1	Required Limit (dBm)	Result
144	5720(Band3)	5.300	--	5.300	<11	Pass
144	5720(Band4)	-6.160	6.98	0.820	<30	Pass

Note: Total PPSD Value = PPSD value + Duty Factor + BWCF.

Channel 144



Channel 144

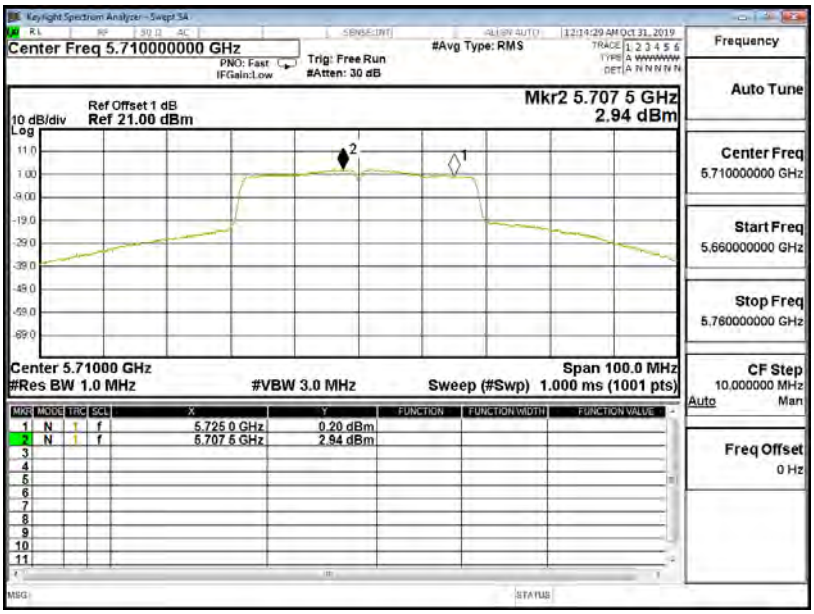


Product : 23.1 inches Bar type Digital Signage
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps)

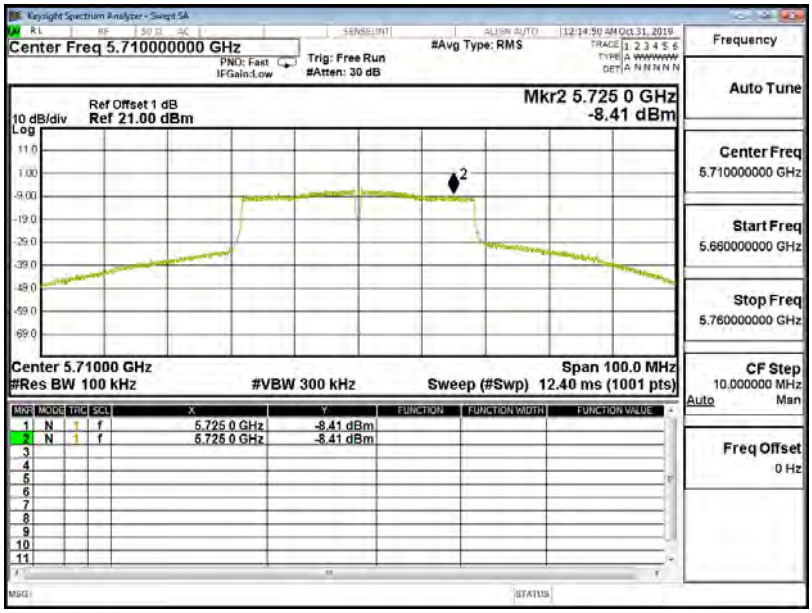
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)1	Required Limit (dBm)	Result
142	5710(Band3)	2.940	--	2.940	<11	Pass
142	5710(Band4)	-8.410	6.98	-1.430	<30	Pass

Note: Total PPSD Value = PPSD value + Duty Factor + BWCF.

Channel 142



Channel 142



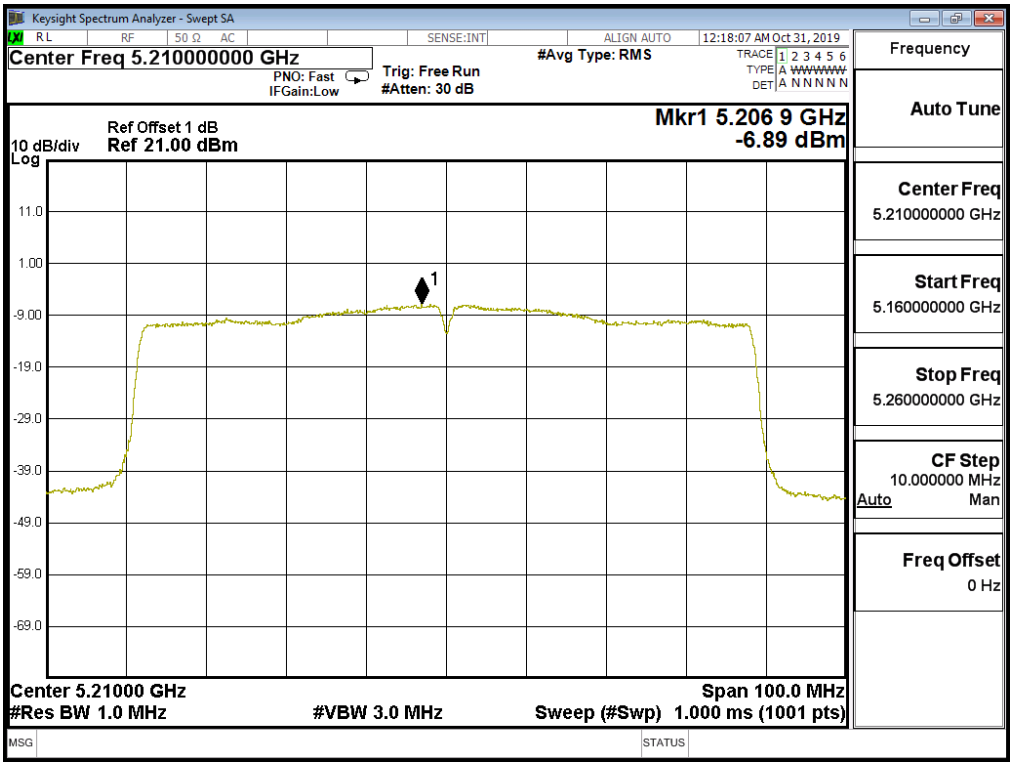
Product : 23.1 inches Bar type Digital Signage
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)

Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Result
42	5210	-6.890	--	-6.890	<11
58	5290	-7.190	--	-7.190	<11
106	5530	-8.170	--	-8.170	<11
122	5610	-7.930	--	-7.930	<11
138	5690(Band3)	-8.420	--	-8.420	<11
138	5690(Band4)	-20.010	6.98	-20.010	<30
155	5775	-16.570	6.98	-16.570	<30

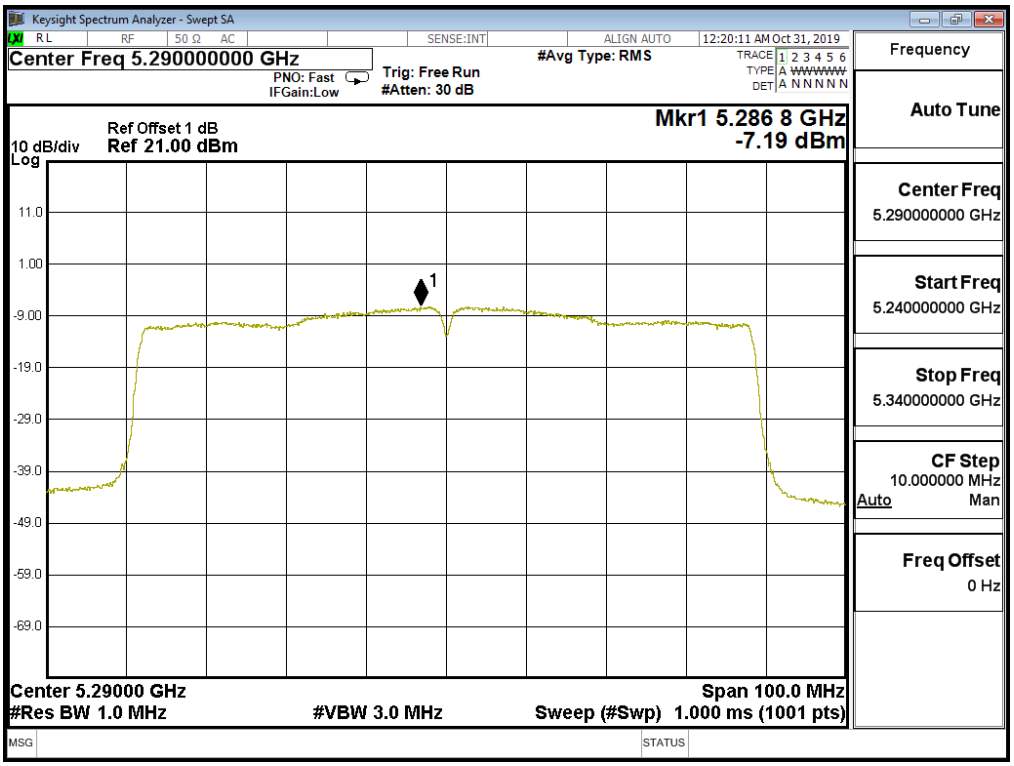
Note: Total PPSD Value = PPSD value + Duty Factor + BWCF.

.

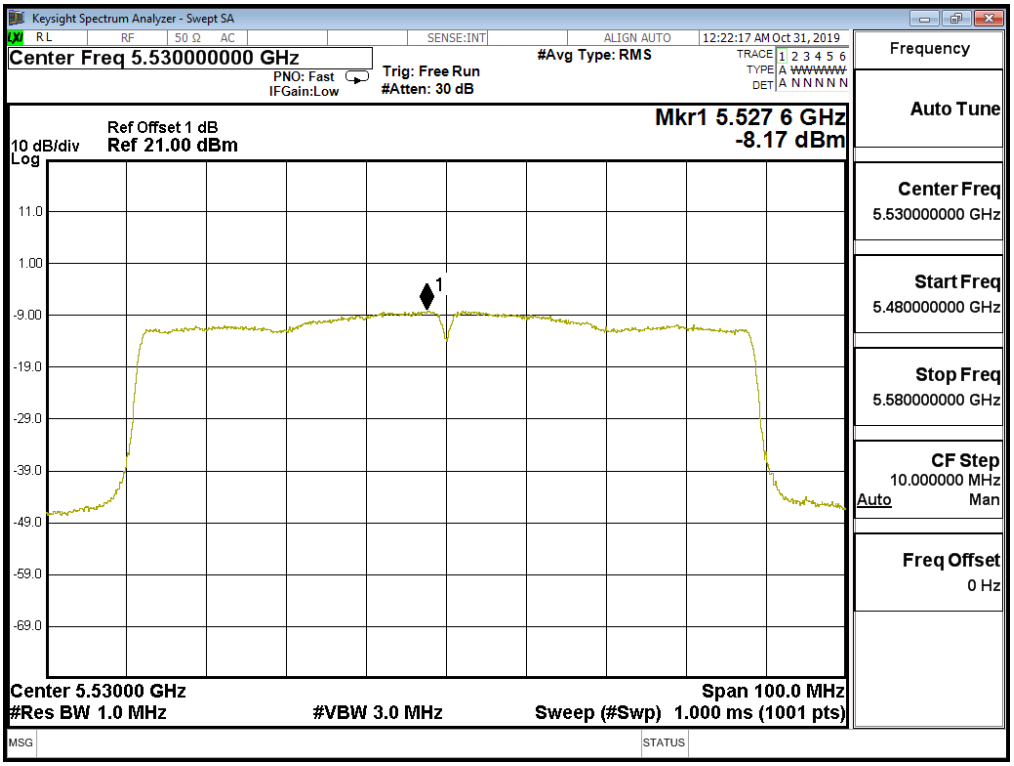
Channel 42



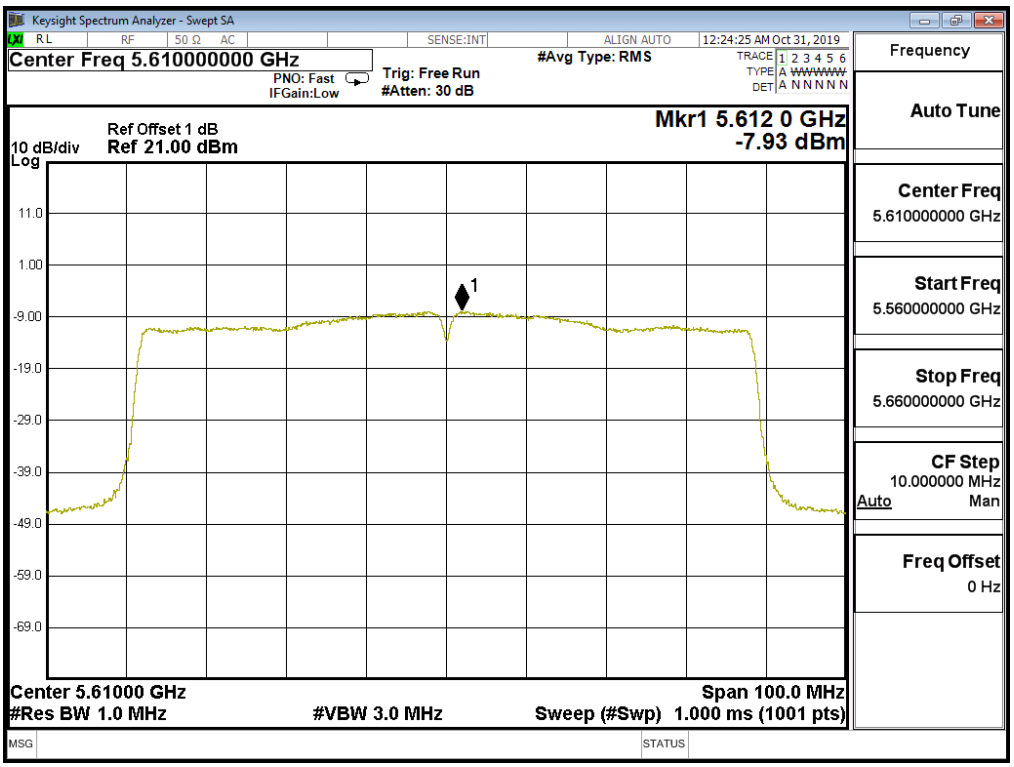
Channel 58



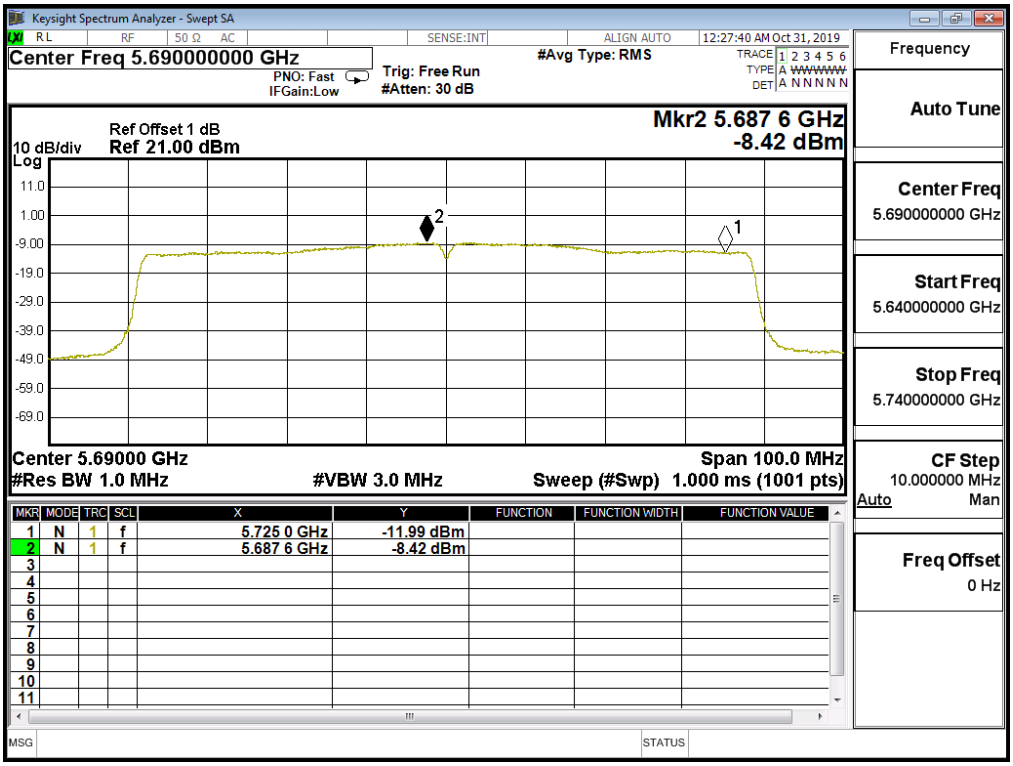
Channel 106



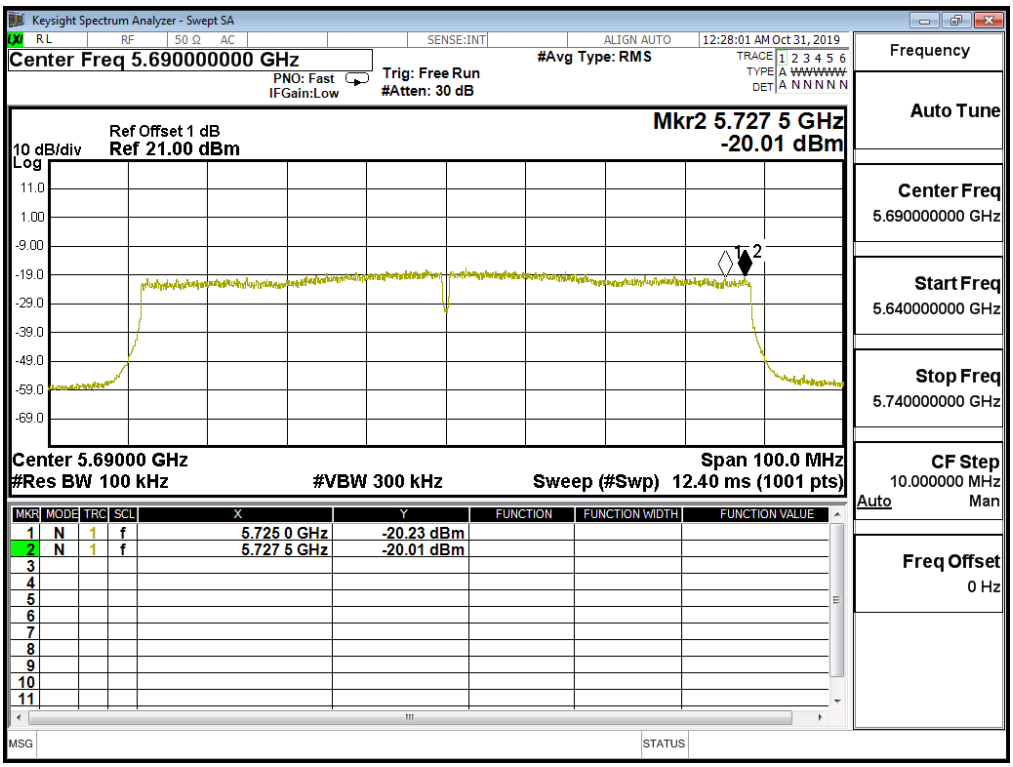
Channel 122



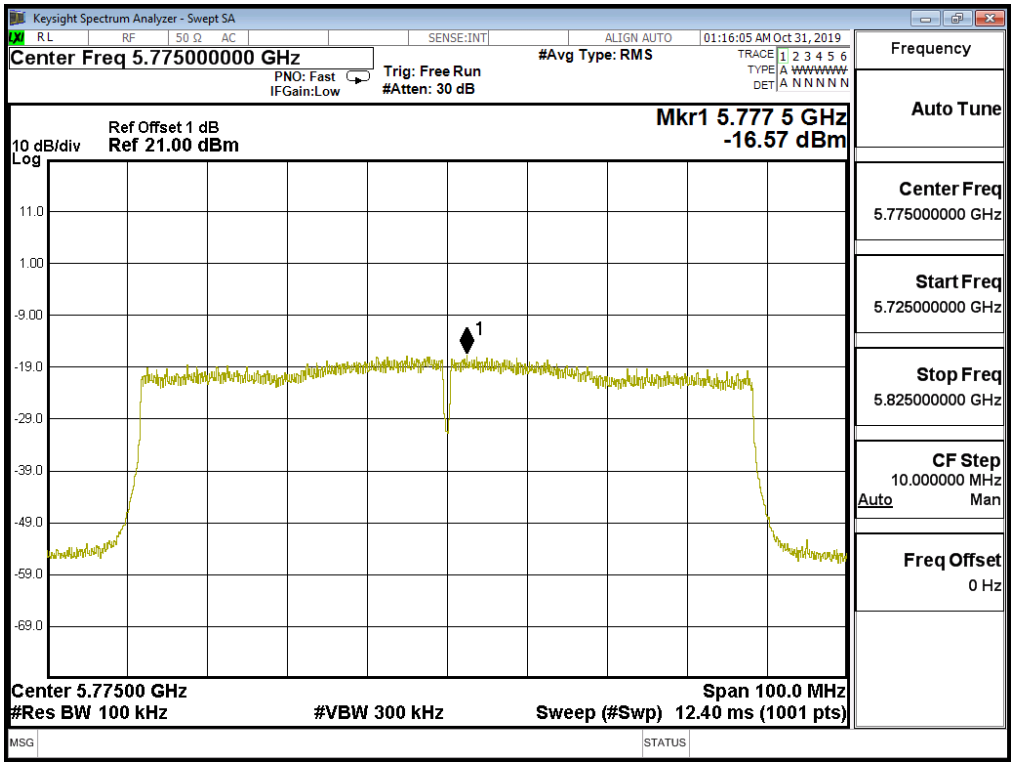
Channel 138



Channel 138



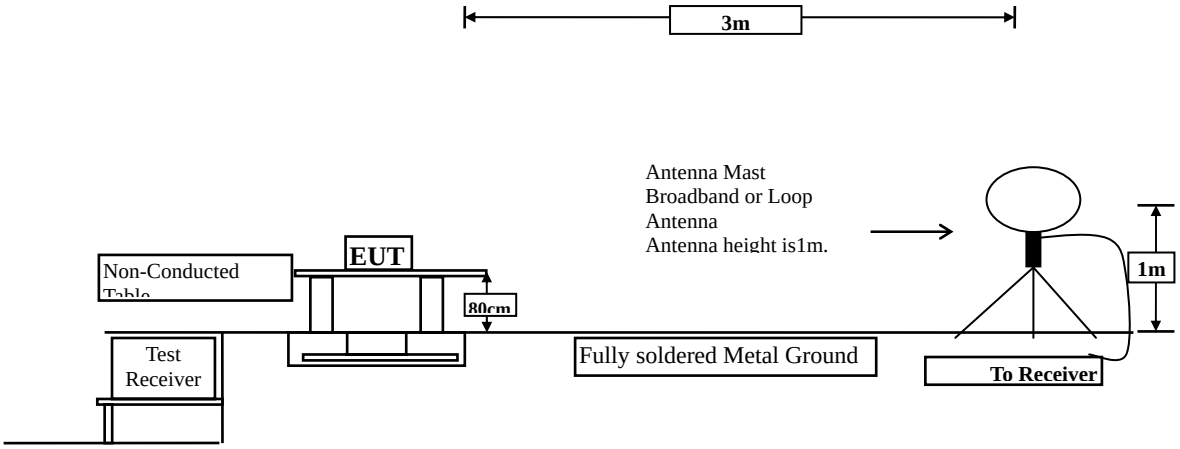
Channel 155


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
01:16:05 AM Oct 31, 2019
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Ref Offset 1 dB
10 dB/div
Log
Ref 21.00 dBm
Mkr1 5.777 5 GHz
-16.57 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
1
Center 5.77500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep (#Swp) 12.40 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.725000000 GHz
Stop Freq
5.825000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

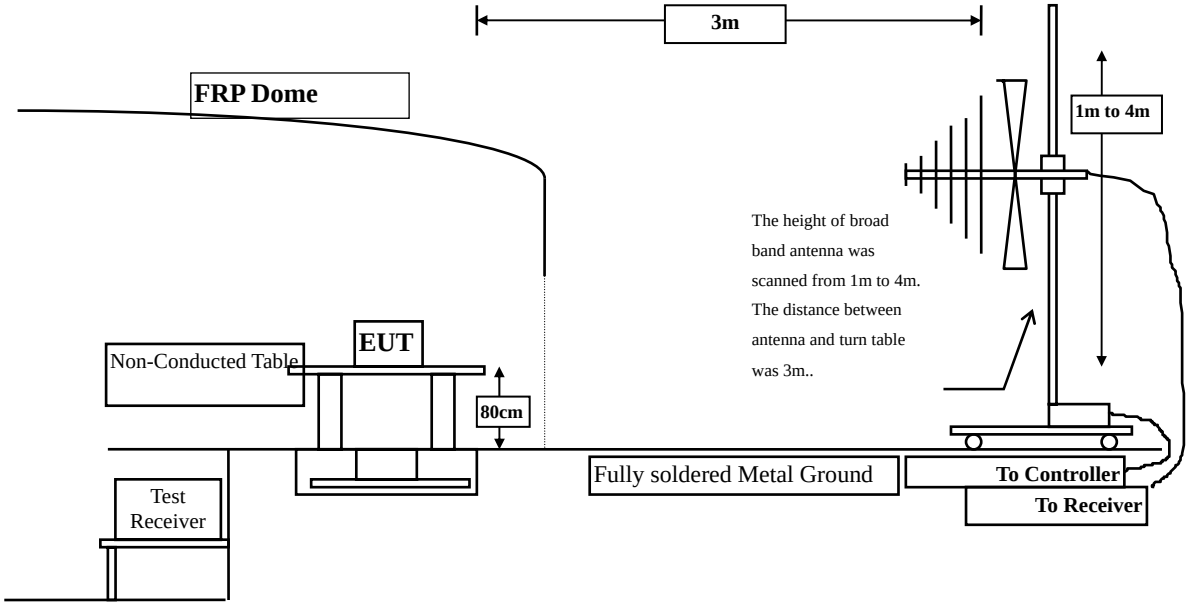
5. Radiated Emission

5.1. Test Setup

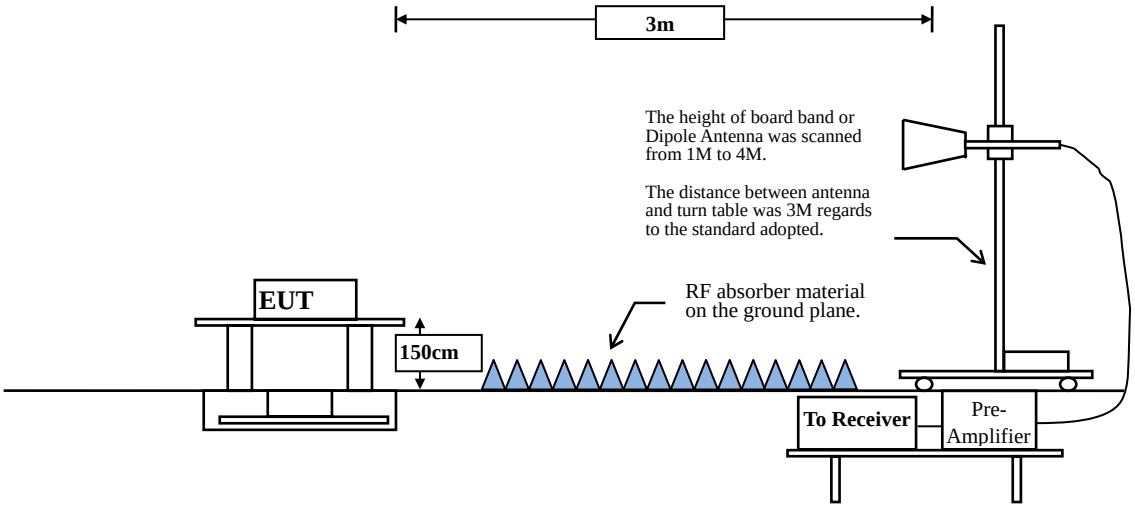
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



5.2. Limits

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

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

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

5.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground,when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 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 is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range form 9kHz - 10th Harmonic of fundamental was investigated.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW ≥ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

VBW ≥ 1/T, when duty cycle < 98 %

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	96.37	1.3855	722	1000
802.11n20	96.24	1.3004	769	1000
802.11n40	89.18	0.6126	1632	2000
802.11ac20	97.13	1.3157	760	1000
802.11ac40	93.45	0.6552	1526	2000
802.11ac80	79.98	0.2917	3428	5000

Note: Duty Cycle Refer to Section 8

5.4. Uncertainty

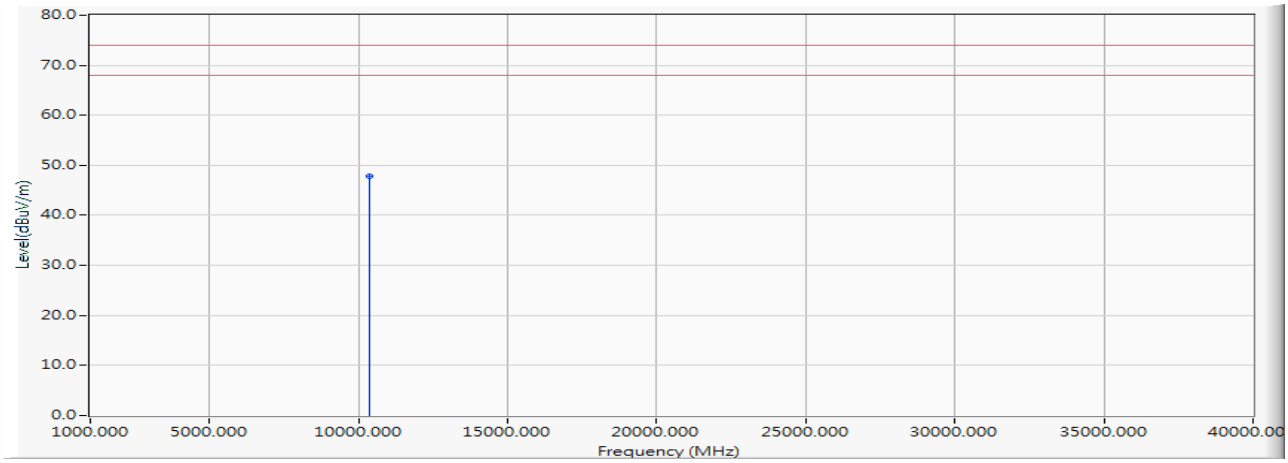
± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

5.5. Test Result of Radiated Emission

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5180MHz)

Horizontal



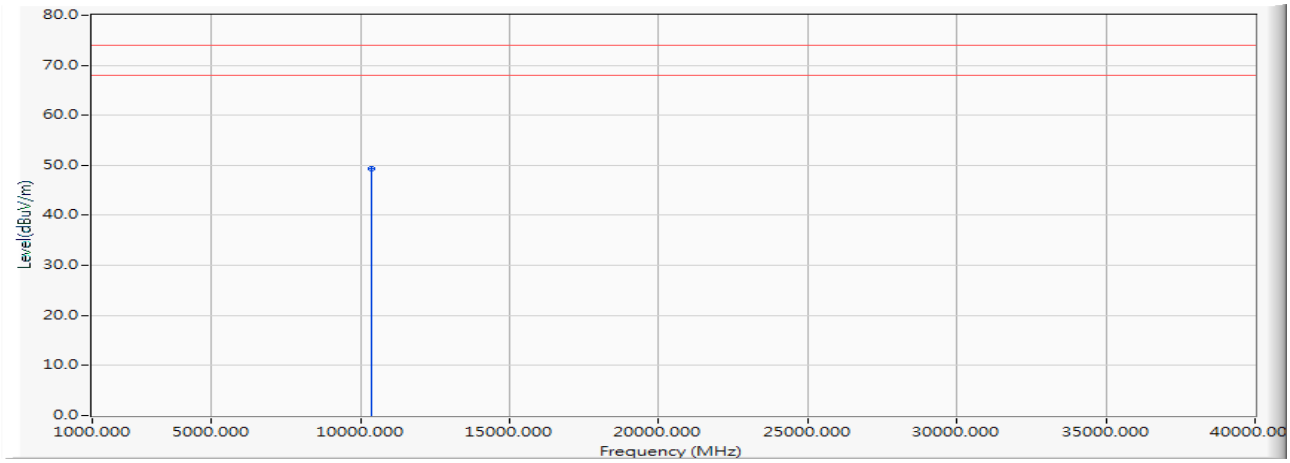
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	-11.583	59.321	47.738	-26.262	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)(5180MHz)

Vertical



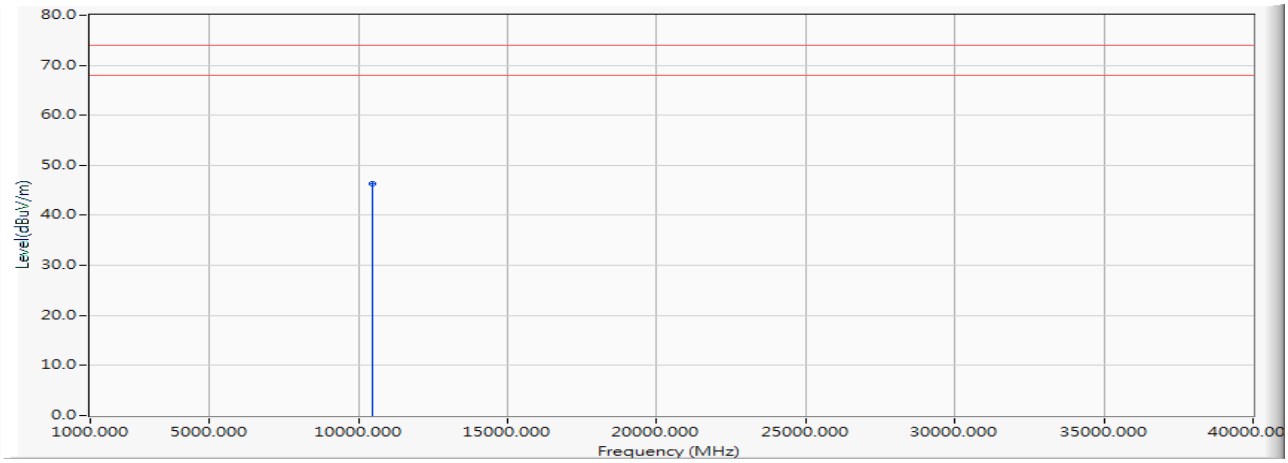
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	-11.583	60.962	49.379	-24.621	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)(5220MHz)

Horizontal



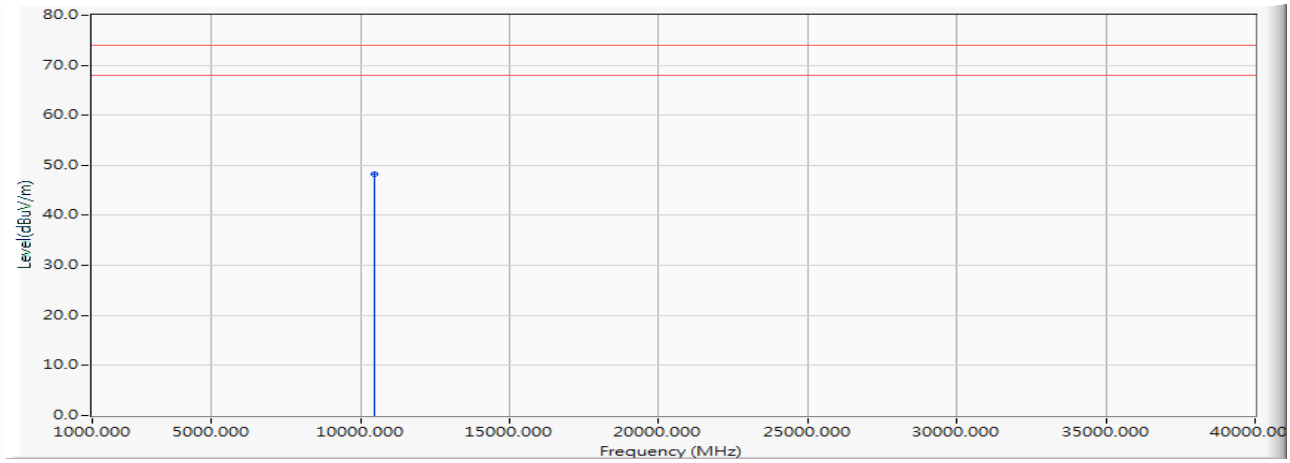
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-12.344	58.587	46.243	-27.757	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

Vertical



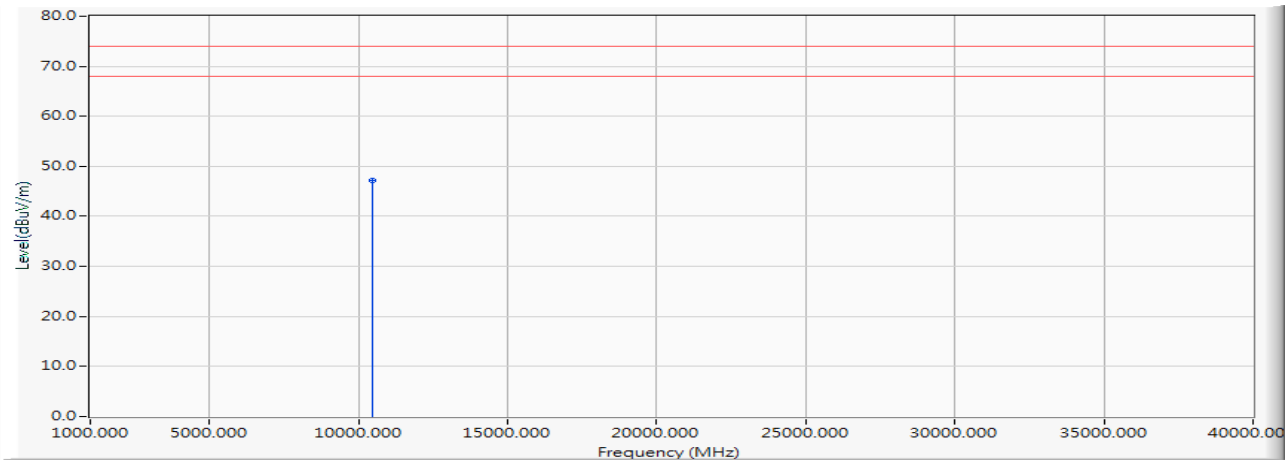
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-12.344	60.706	48.362	-25.638	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)(5240MHz)

Horizontal



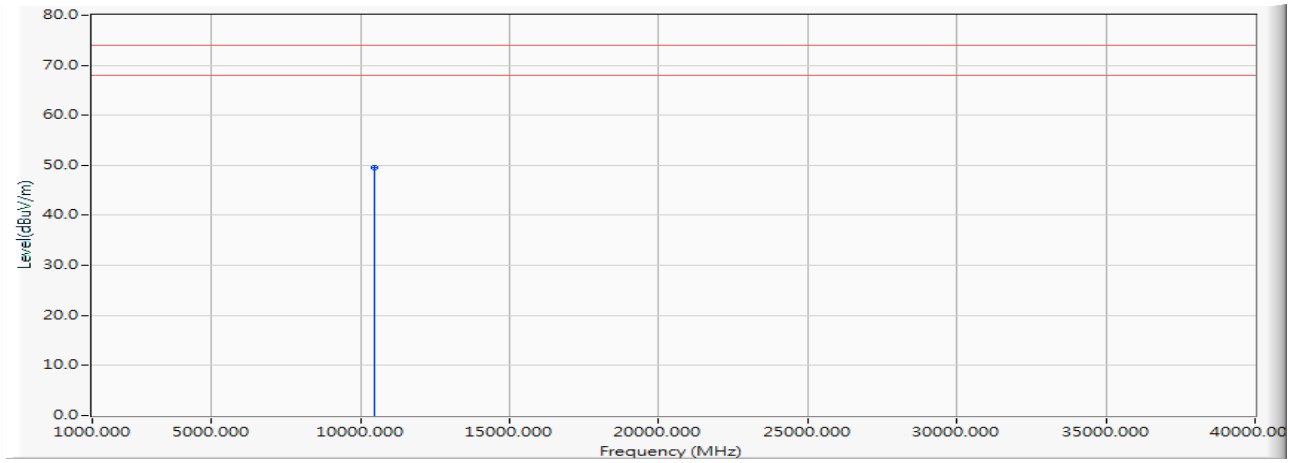
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-12.725	59.899	47.174	-26.826	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)(5240MHz)

Vertical



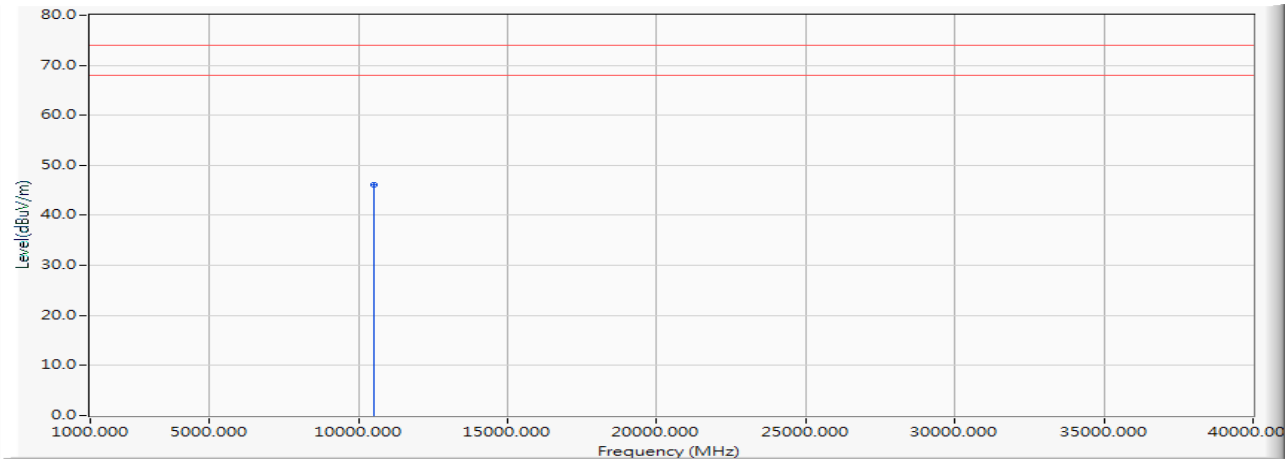
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-12.725	62.268	49.543	-24.457	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)(5260MHz)

Horizontal



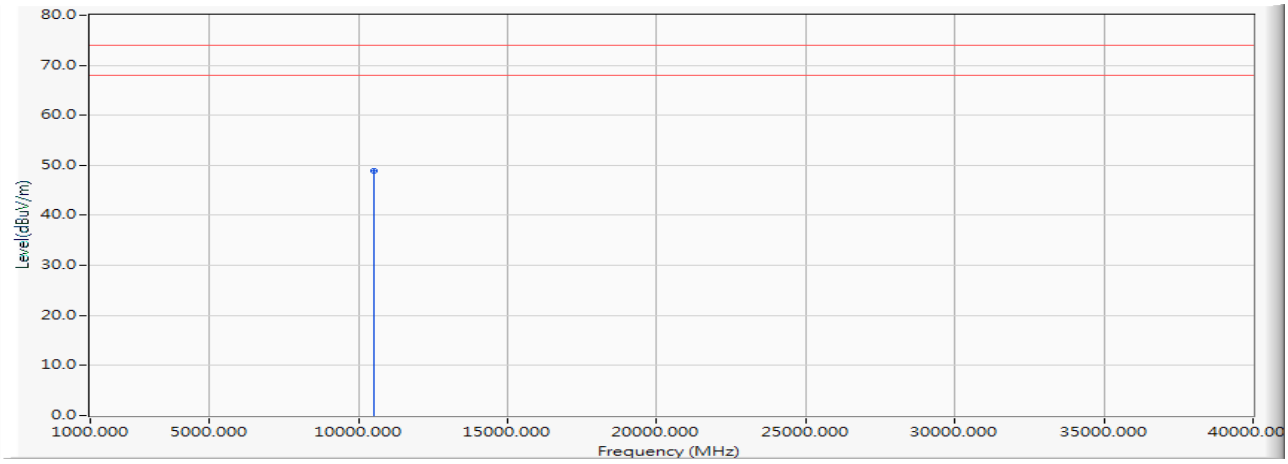
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10520.000	-13.063	59.078	46.015	-27.985	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)(5260MHz)

Vertical



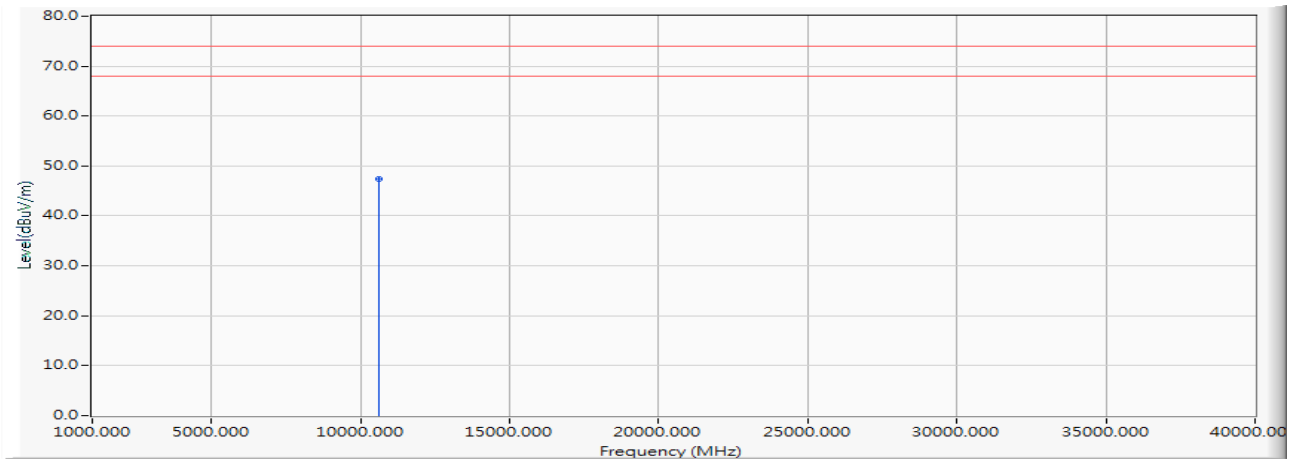
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10520.000	-13.063	61.977	48.914	-25.086	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5300MHz)

Horizontal



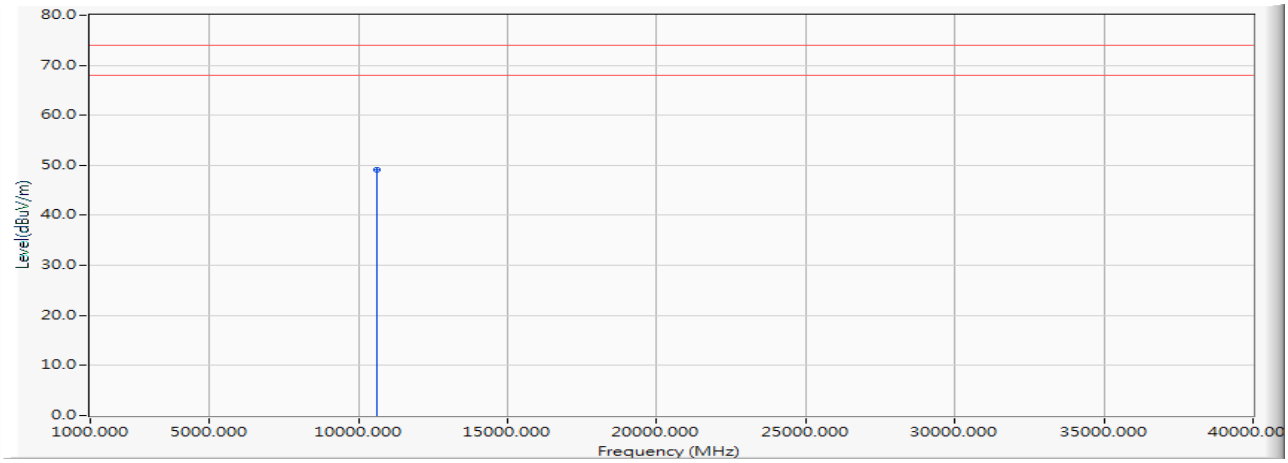
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-13.654	61.090	47.436	-26.564	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5300MHz)

Vertical



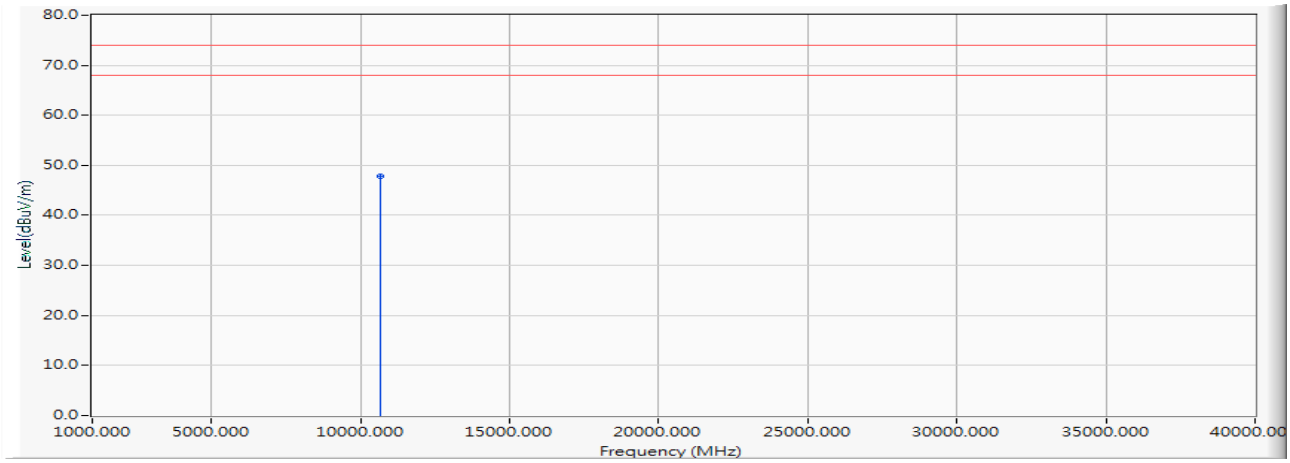
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-13.654	62.791	49.137	-24.863	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5320MHz)

Horizontal



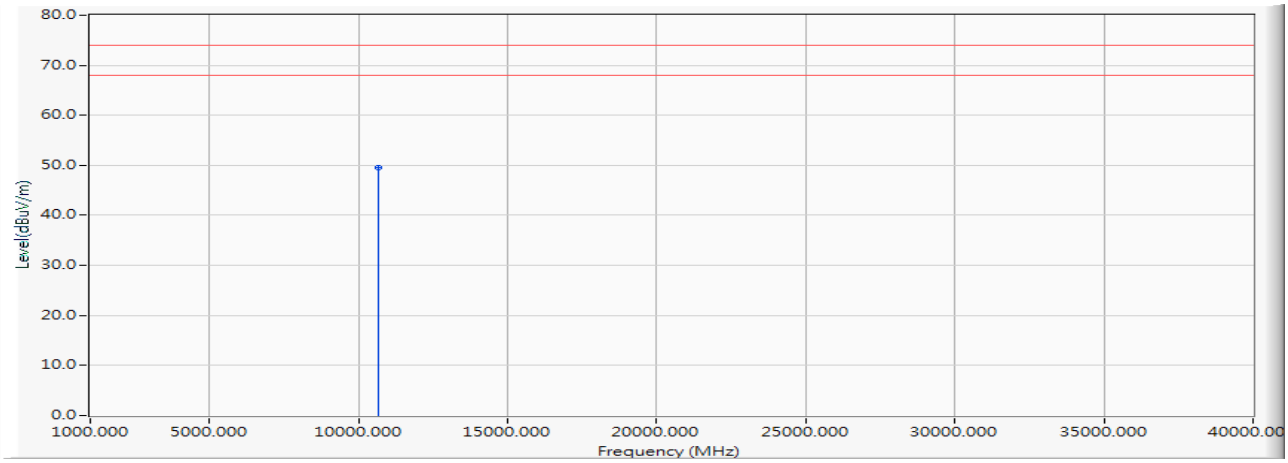
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-13.984	61.902	47.918	-26.082	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5320MHz)

Vertical



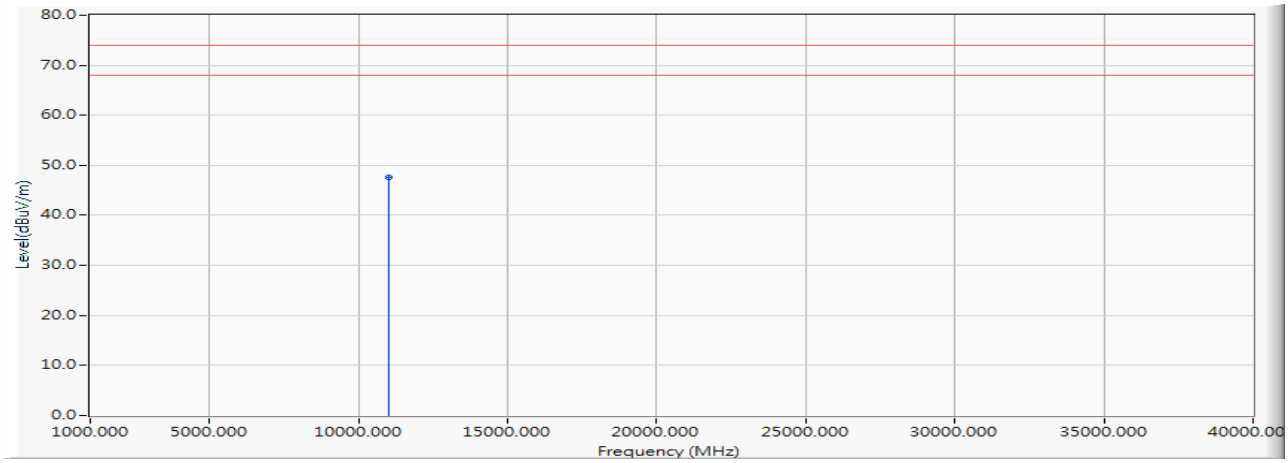
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-13.984	63.540	49.556	-24.444	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5500MHz)

Horizontal



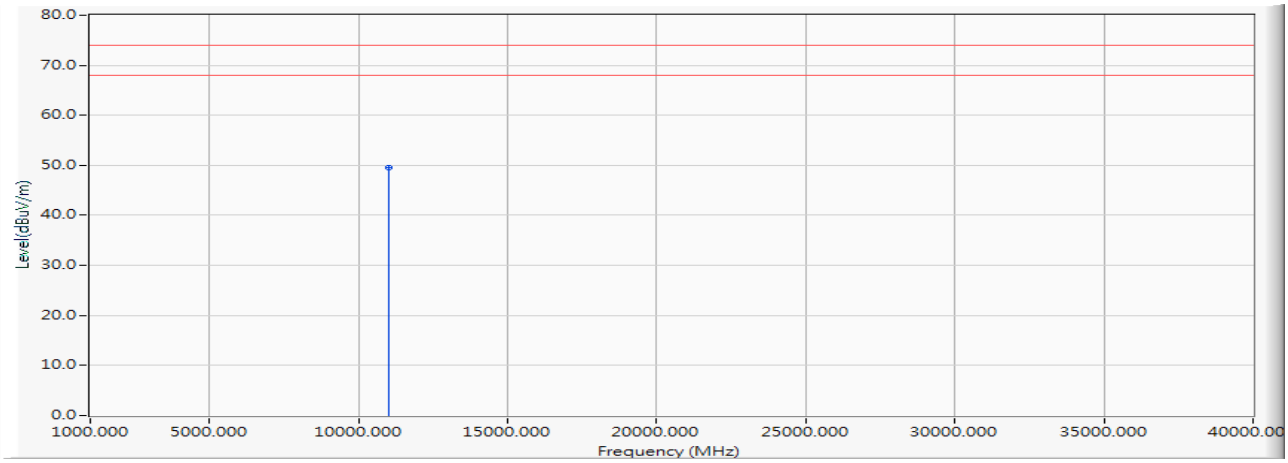
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11000.000	-12.506	60.050	47.543	-26.457	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5500MHz)

Vertical



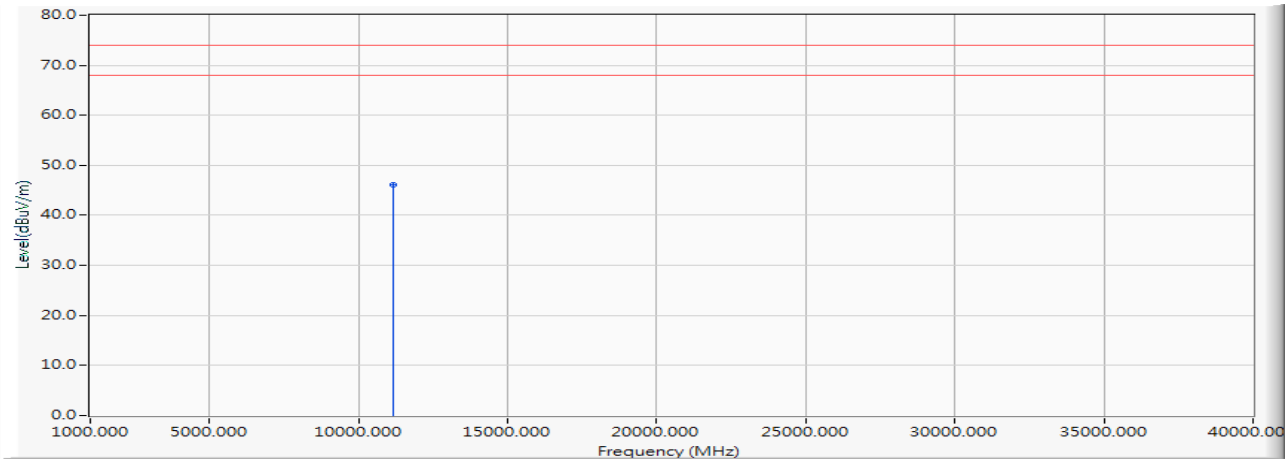
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11000.000	-12.506	62.090	49.583	-24.417	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5580MHz)

Horizontal



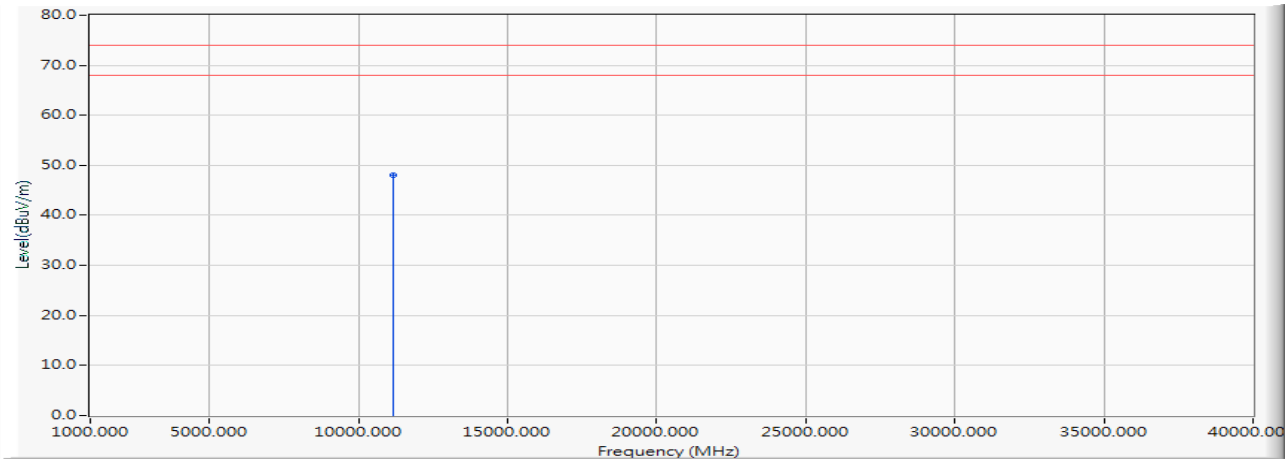
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11160.000	-10.994	57.027	46.033	-27.967	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5580MHz)

Vertical



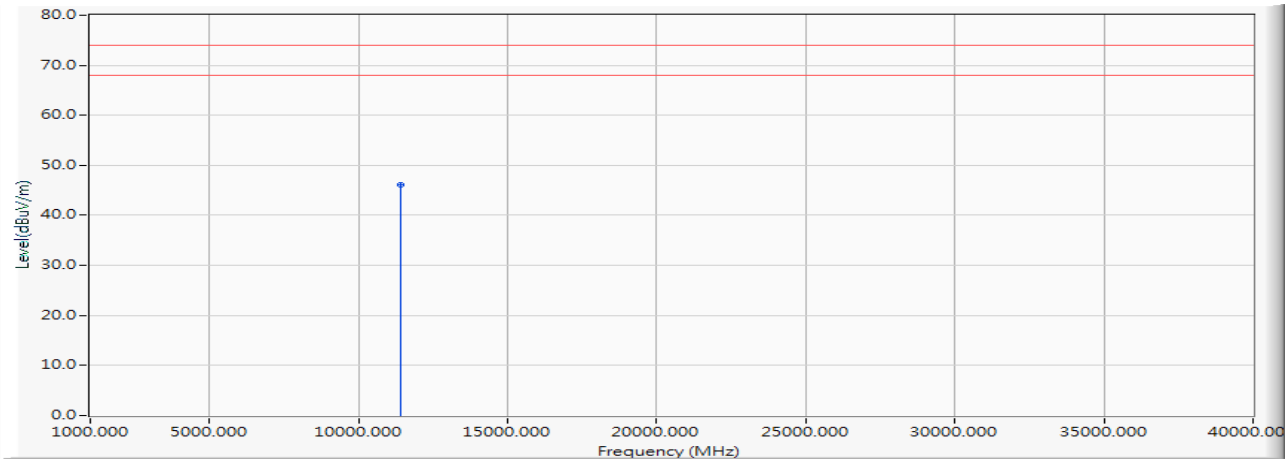
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11160.000	-10.994	59.112	48.118	-25.882	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5700MHz)

Horizontal



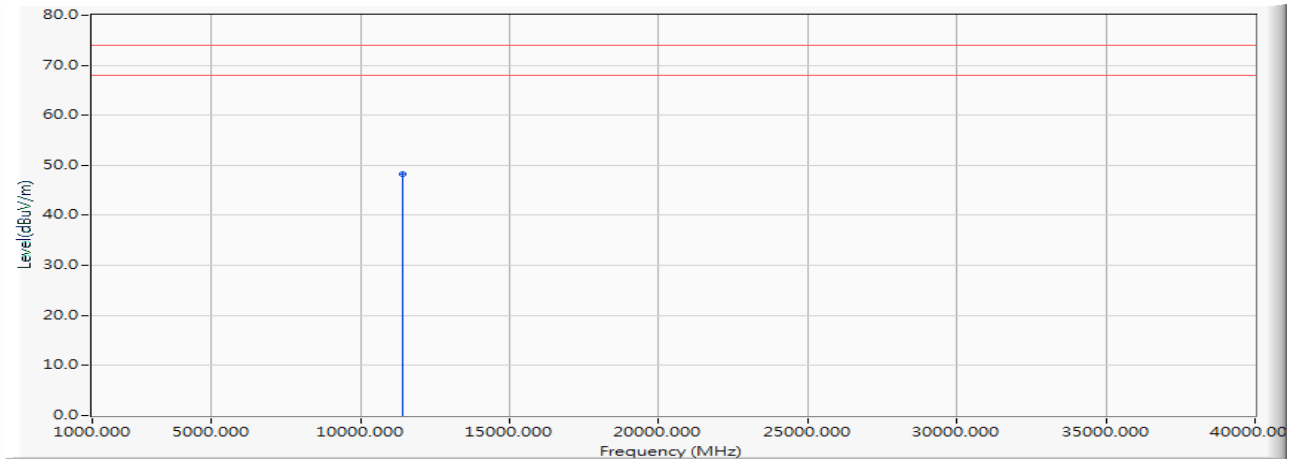
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11400.000	-11.233	57.411	46.179	-27.821	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5700MHz)

Vertical



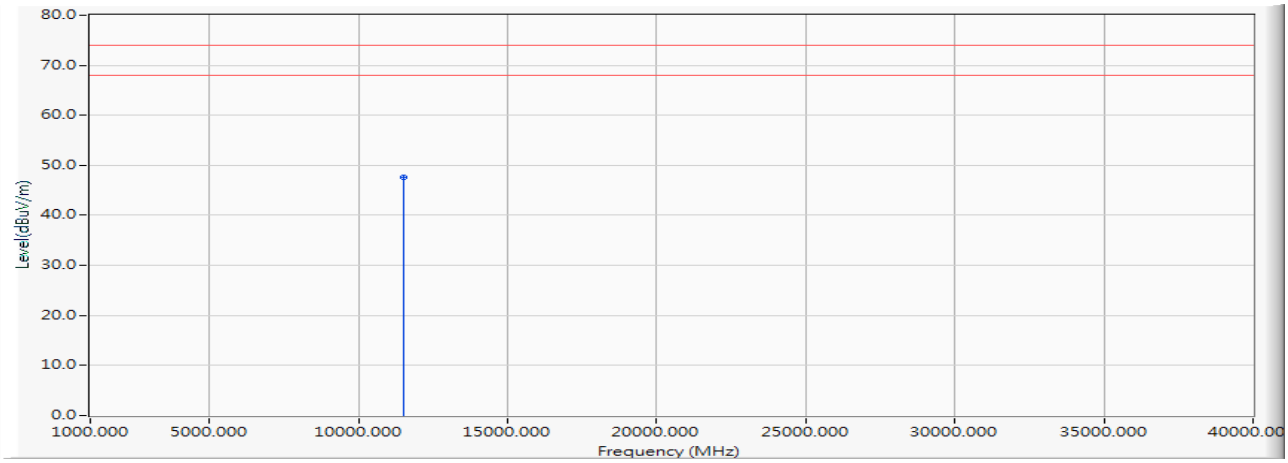
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11400.000	-11.233	59.388	48.156	-25.844	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5745MHz)

Horizontal



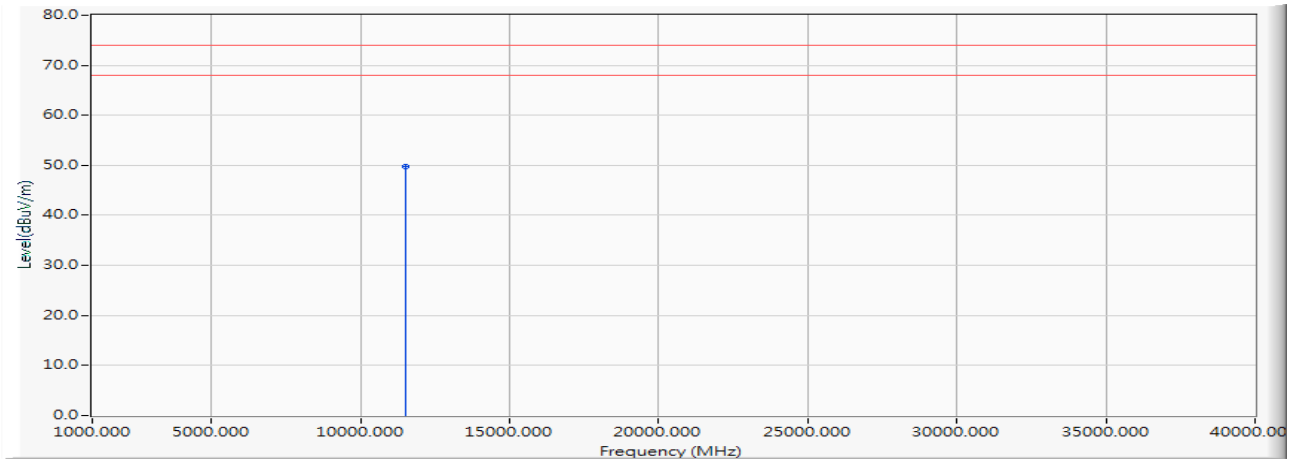
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	-11.855	59.407	47.553	-26.447	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5745MHz)

Vertical



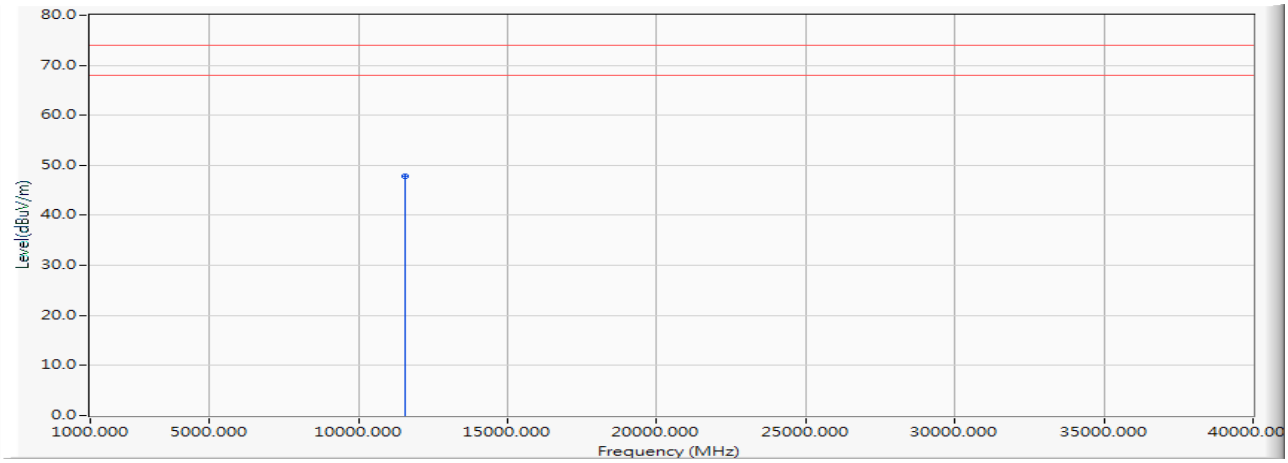
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	-11.855	61.550	49.696	-24.304	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Harmonic Radiated Emission Data
Test Date	:	2019/10/30
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)(5785MHz)

Horizontal



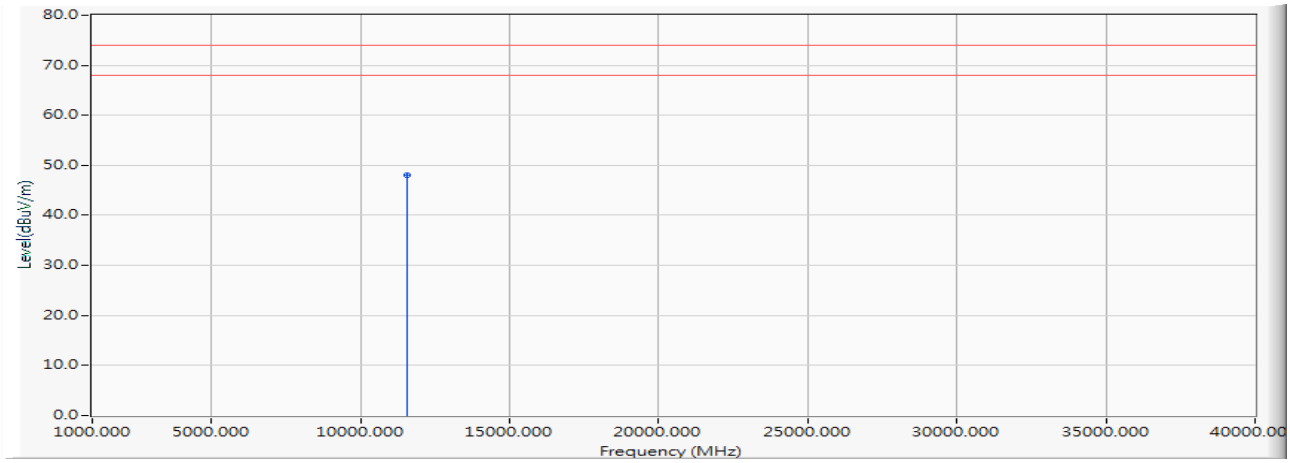
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	-11.508	59.273	47.766	-26.234	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5785MHz)

Vertical



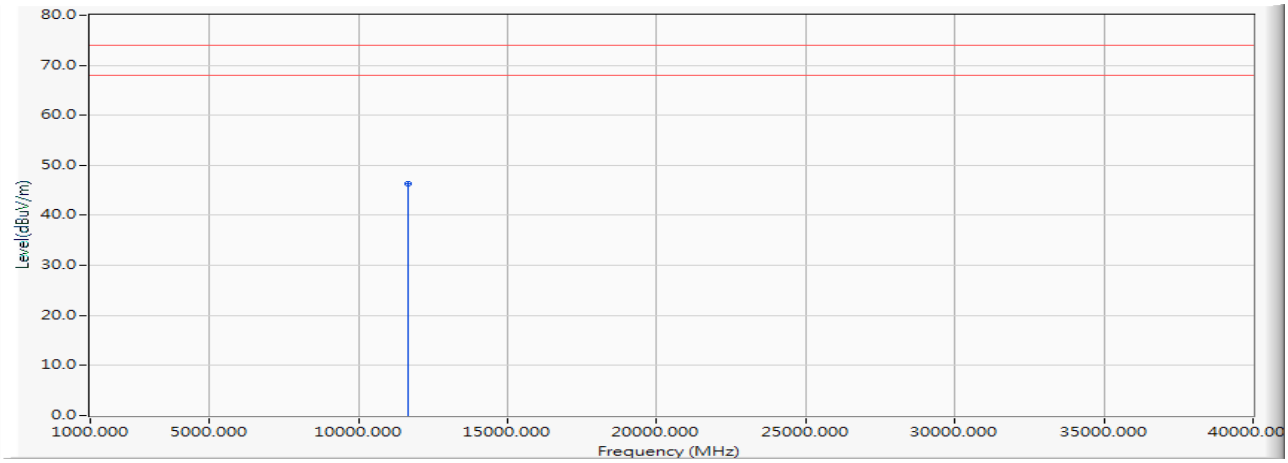
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	-11.508	59.653	48.146	-25.854	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5825MHz)

Horizontal



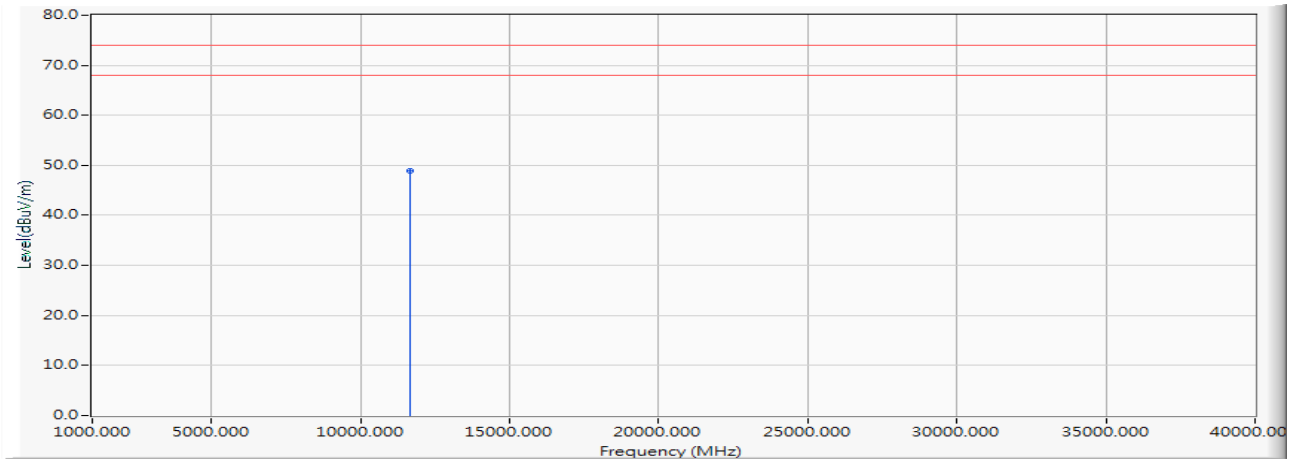
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	-10.977	57.338	46.361	-27.639	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5825MHz)

Vertical



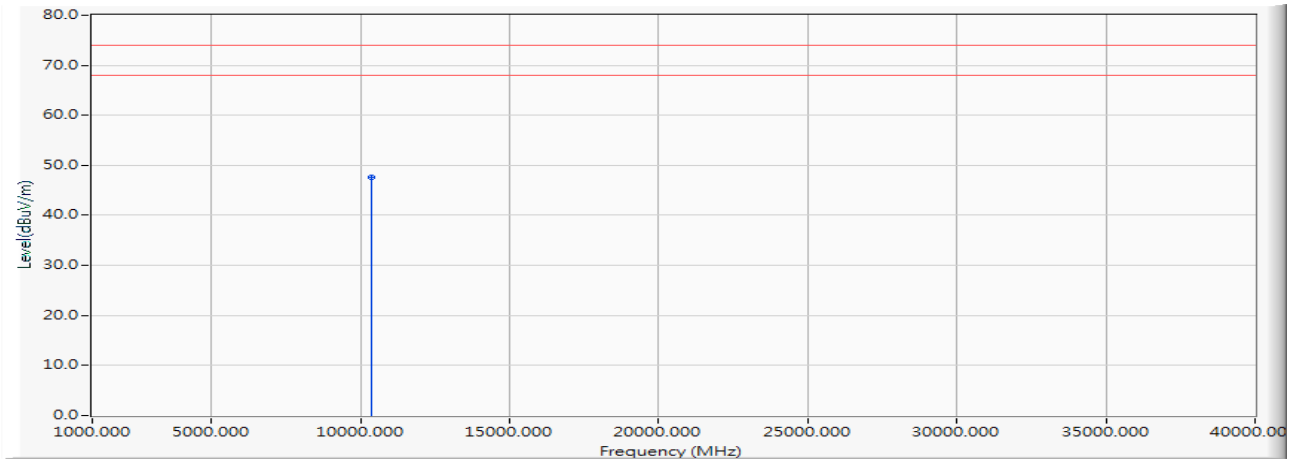
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	-10.977	59.873	48.896	-25.104	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)(5180MHz)

Horizontal



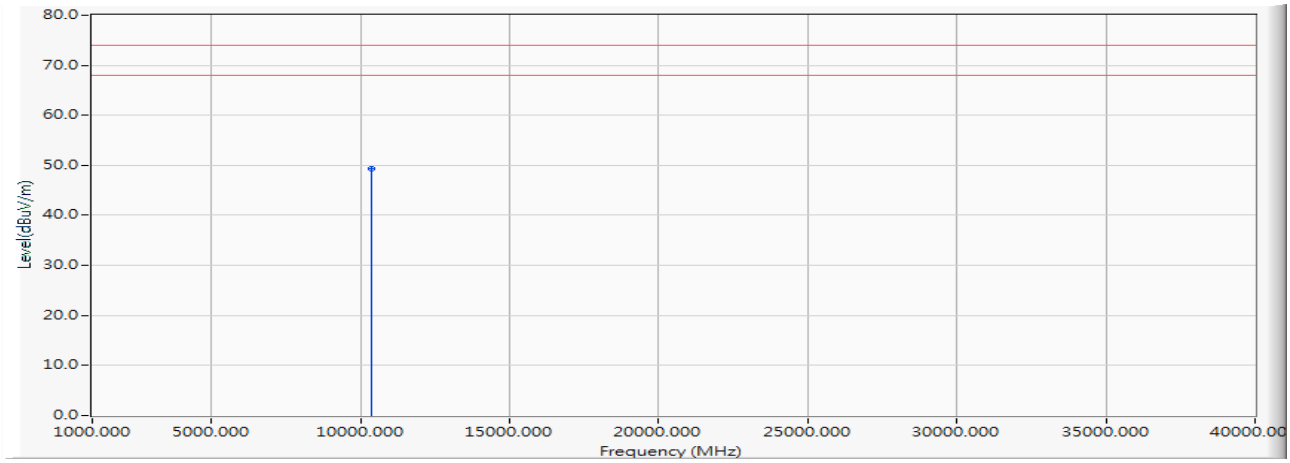
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	-11.583	59.233	47.650	-26.350	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)

Vertical



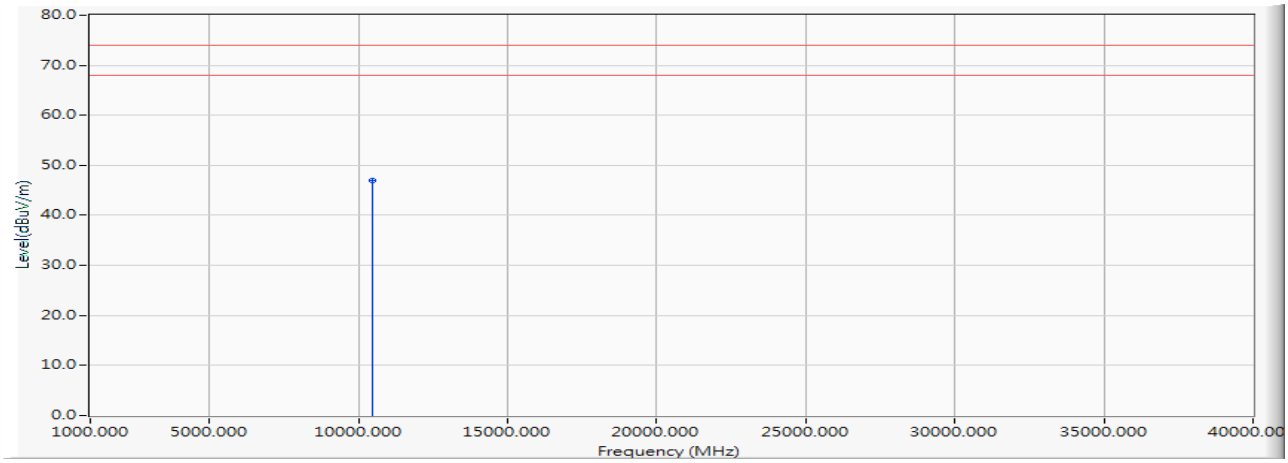
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	-11.583	60.945	49.362	-24.638	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5220MHz)

Horizontal



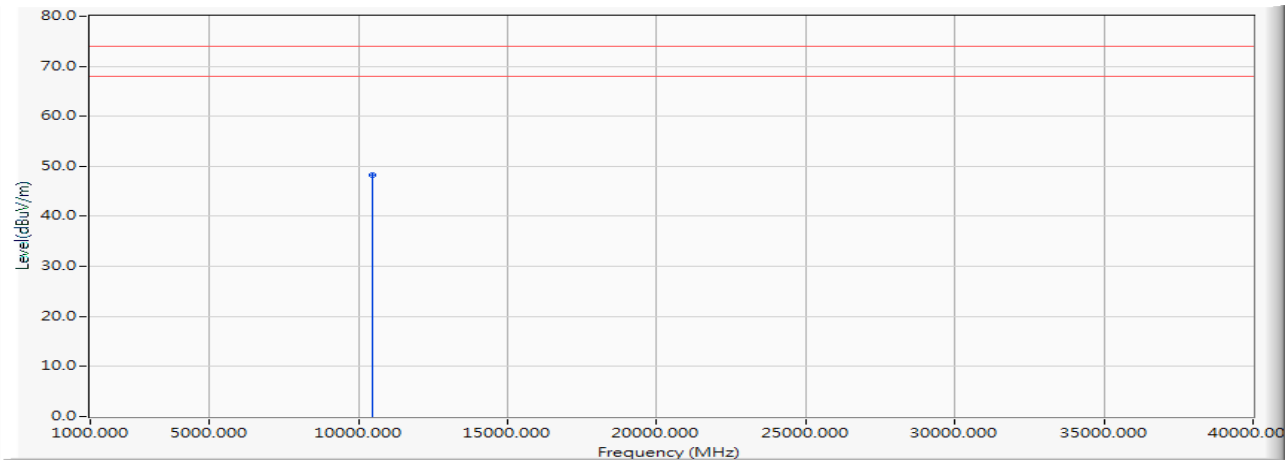
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-12.344	59.285	46.941	-27.059	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5220MHz)

Vertical



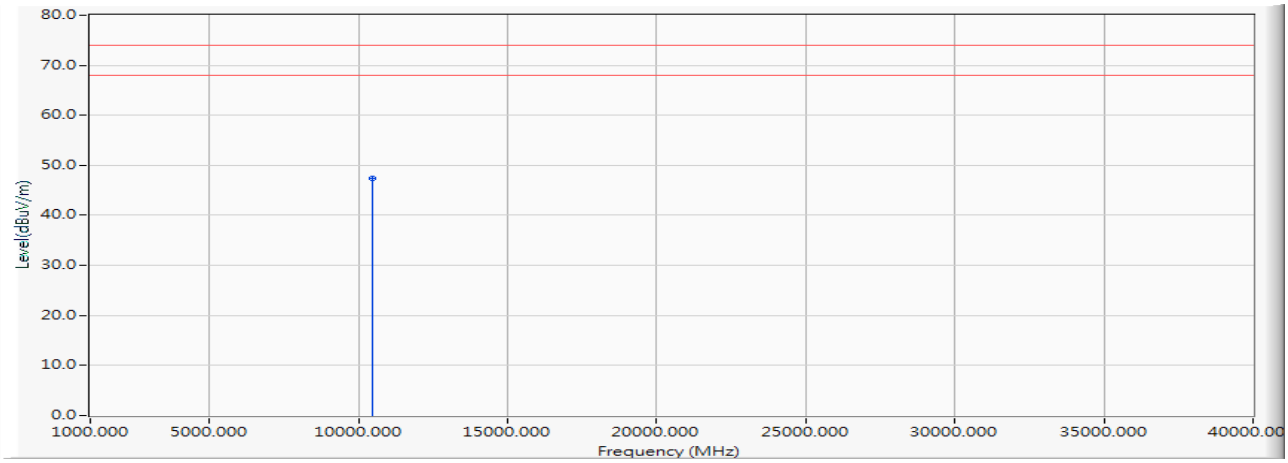
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-12.344	60.557	48.213	-25.787	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5240MHz)

Horizontal



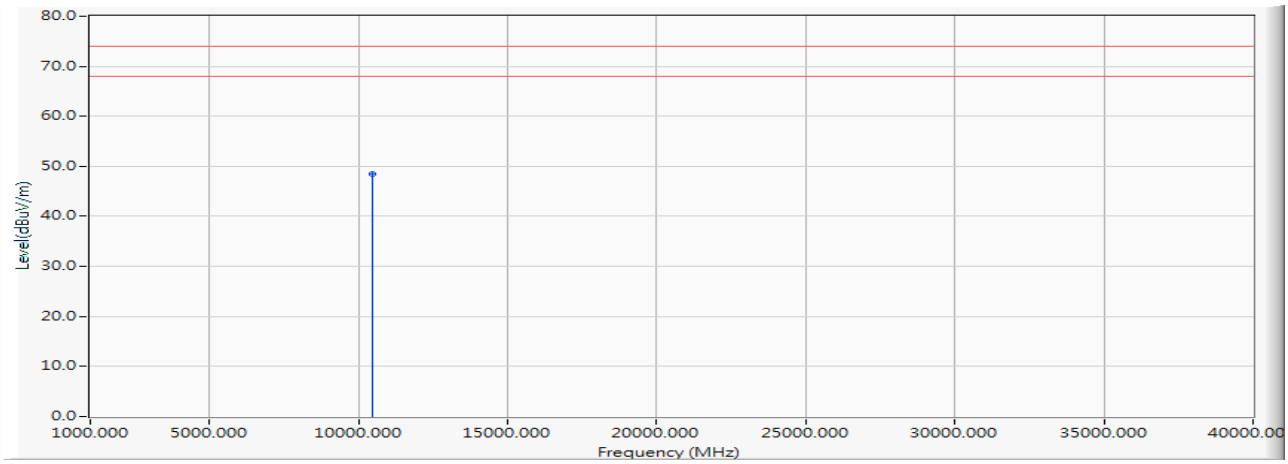
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-12.725	60.215	47.490	-26.510	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5240MHz)

Vertical



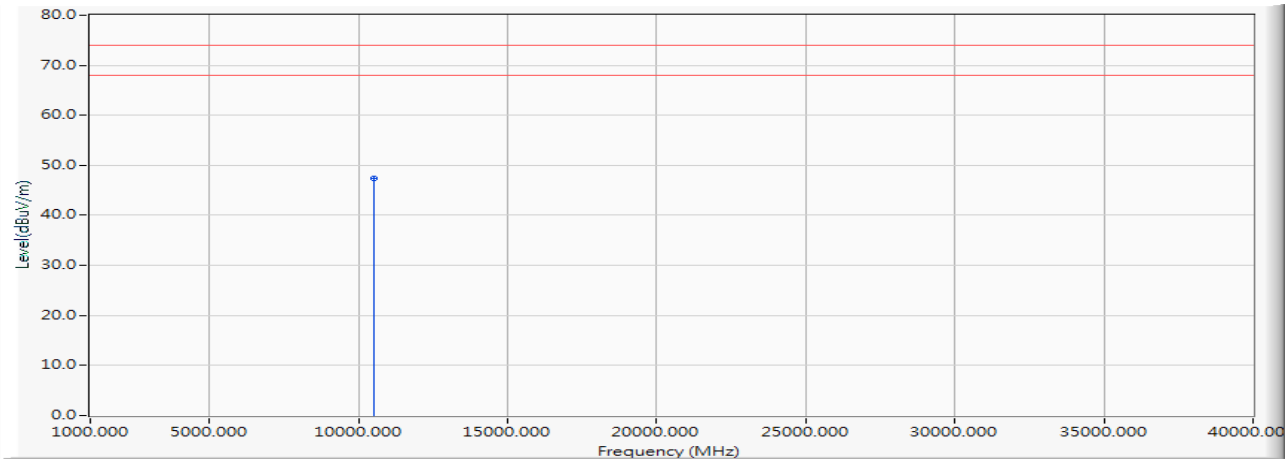
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-12.725	61.176	48.451	-25.549	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5260MHz)

Horizontal



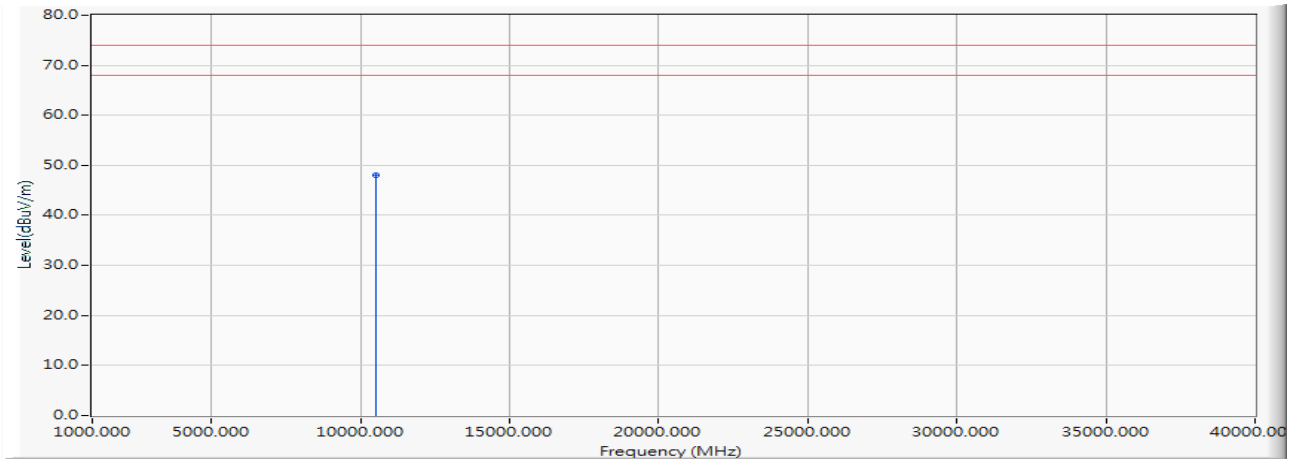
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10520.000	-13.063	60.439	47.376	-26.624	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5260MHz)

Vertical



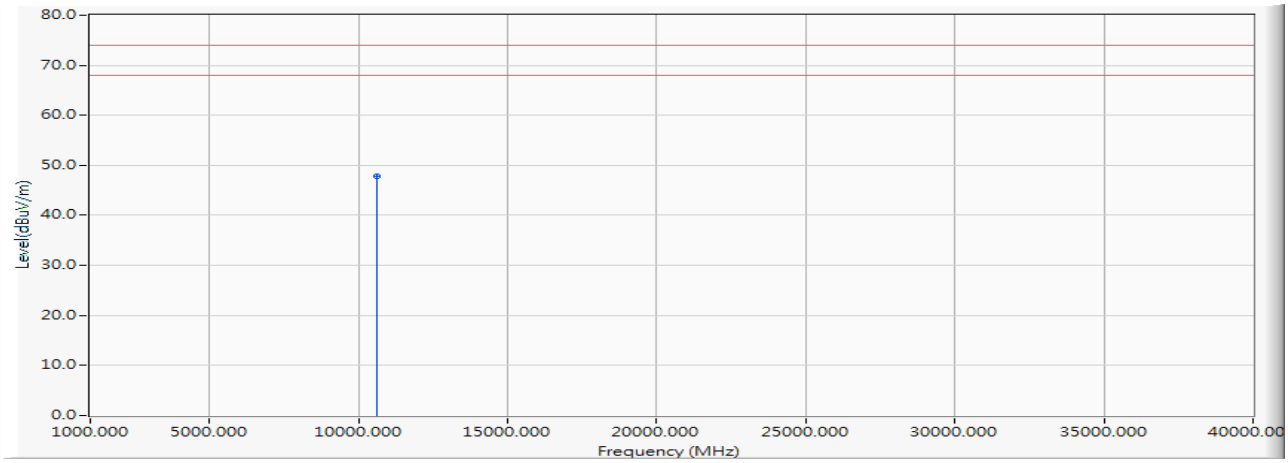
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10520.000	-13.063	61.155	48.092	-25.908	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5300MHz)

Horizontal



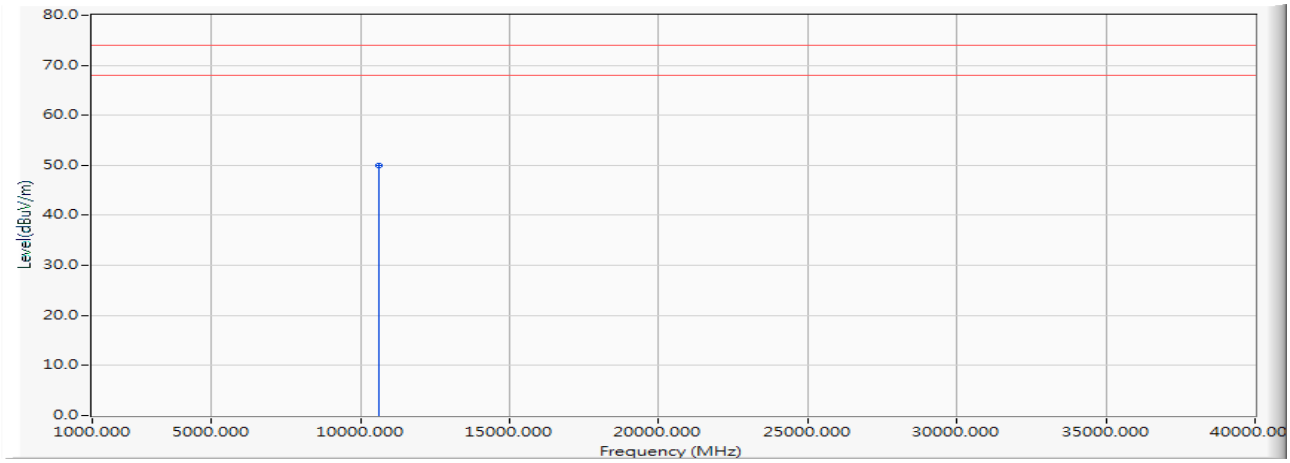
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-13.654	61.461	47.807	-26.193	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5300MHz)

Vertical



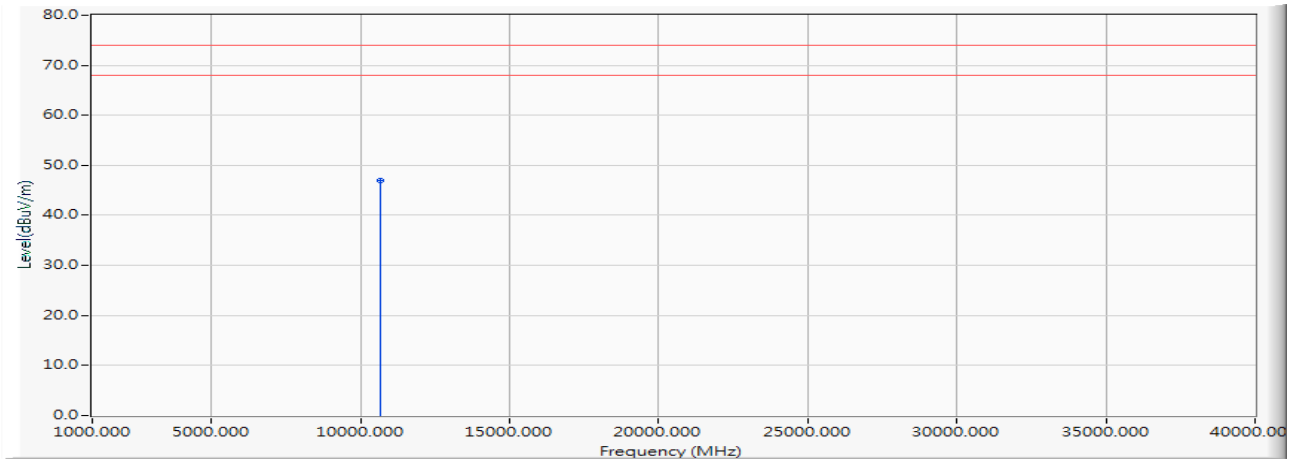
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-13.654	63.544	49.890	-24.110	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)

Horizontal



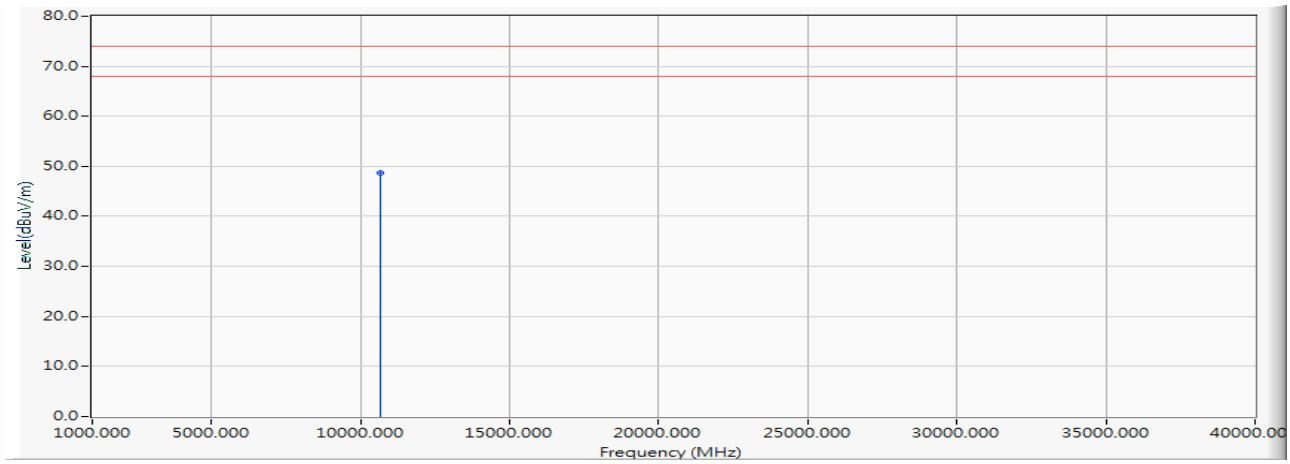
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-13.984	60.904	46.920	-27.080	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)

Vertical



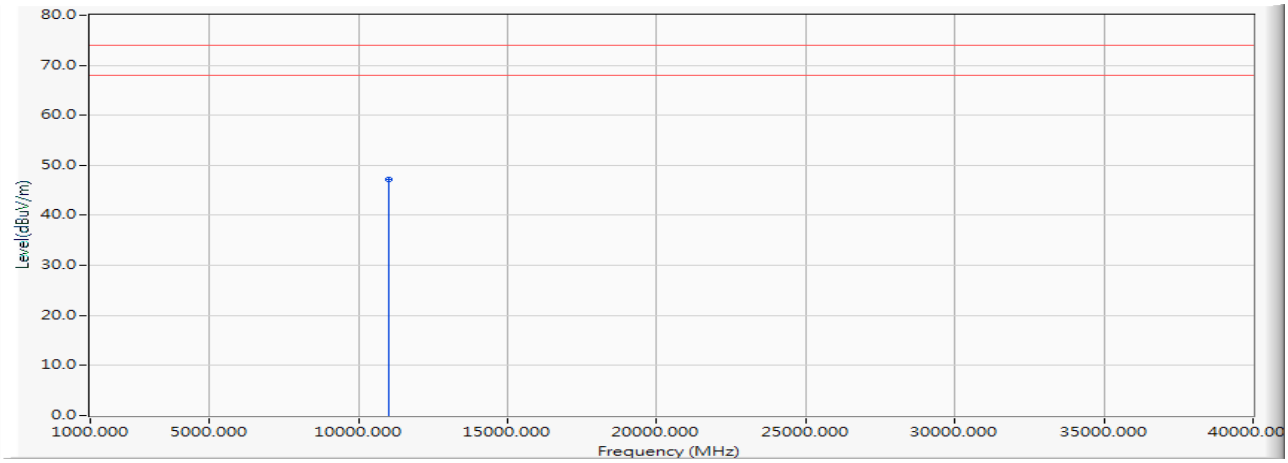
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-13.984	62.738	48.754	-25.246	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)

Horizontal



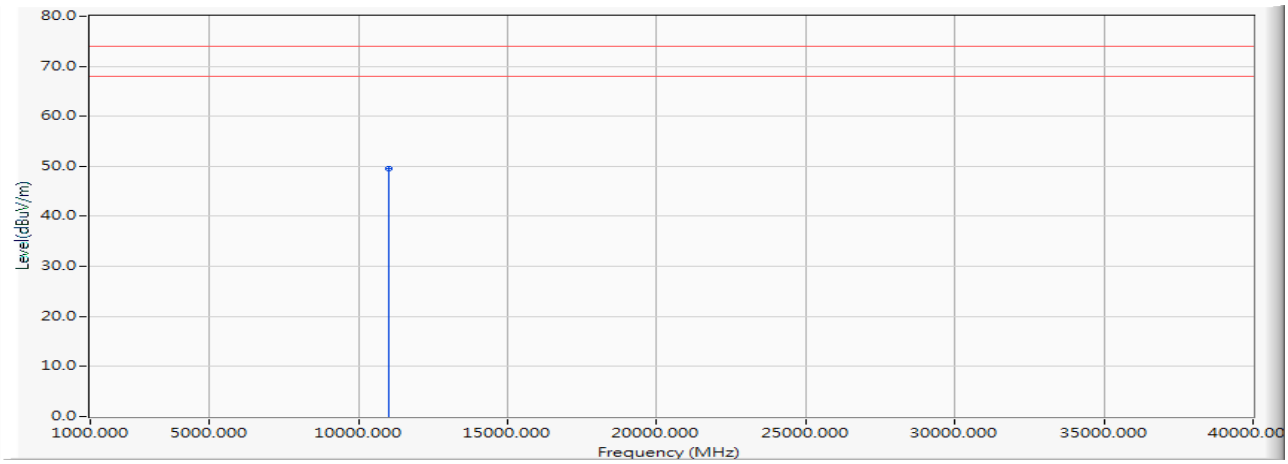
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11000.000	-12.506	59.785	47.278	-26.722	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)

Vertical



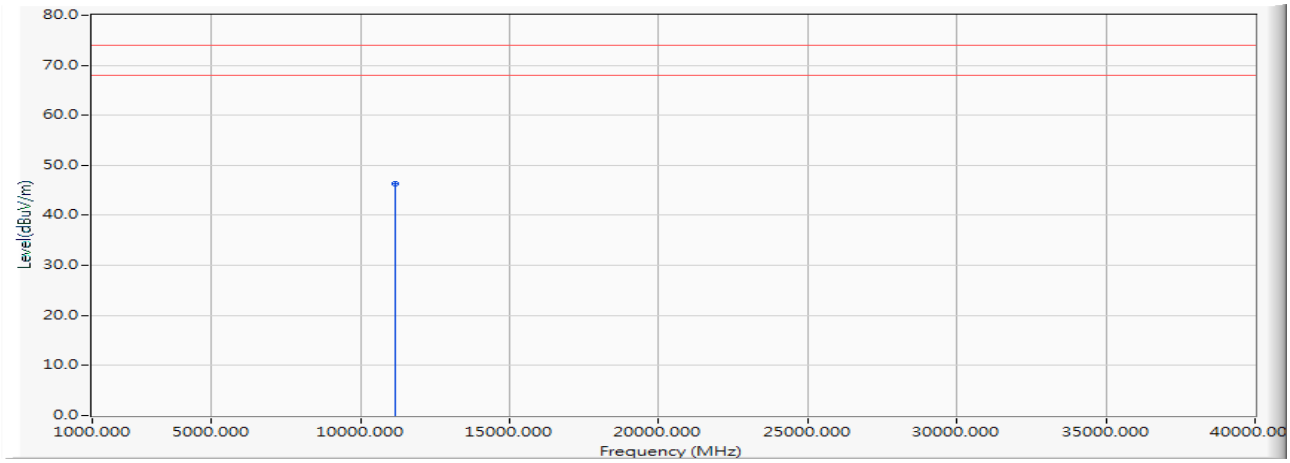
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11000.000	-12.506	62.027	49.520	-24.480	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5580MHz)

Horizontal



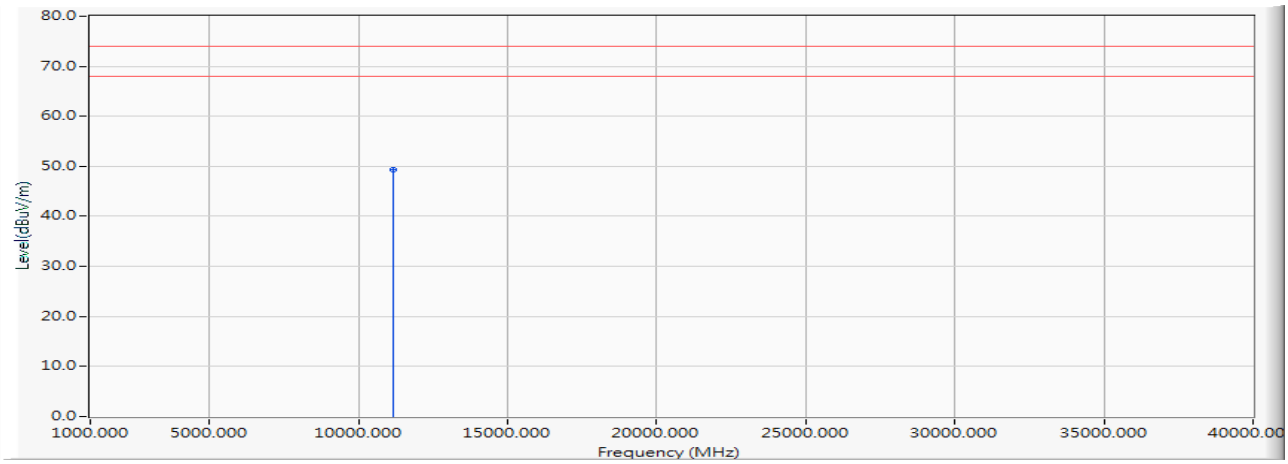
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11160.000	-10.994	57.310	46.316	-27.684	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5580MHz)

Vertical



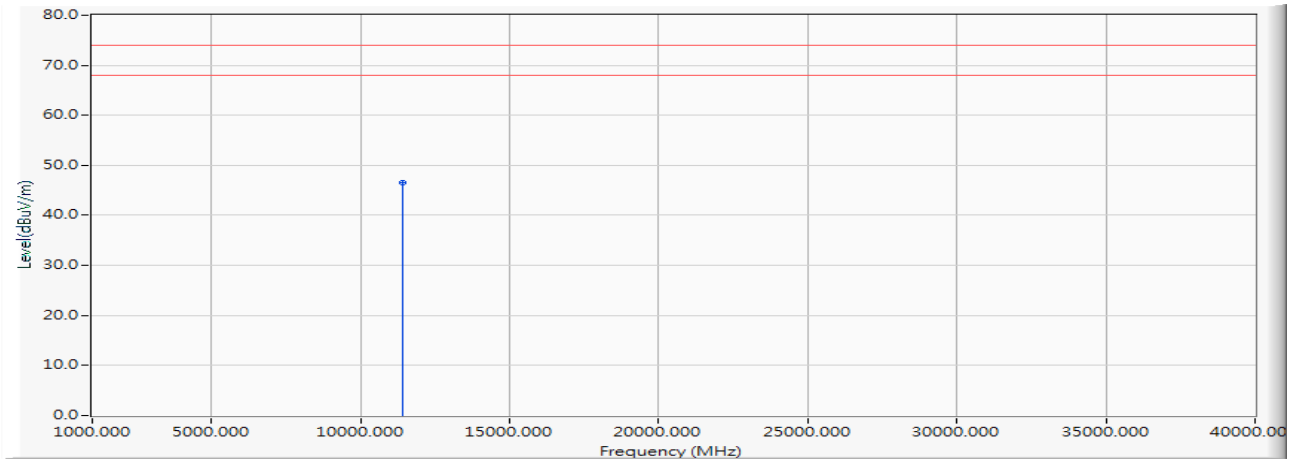
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11160.000	-10.994	60.309	49.315	-24.685	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5700MHz)

Horizontal



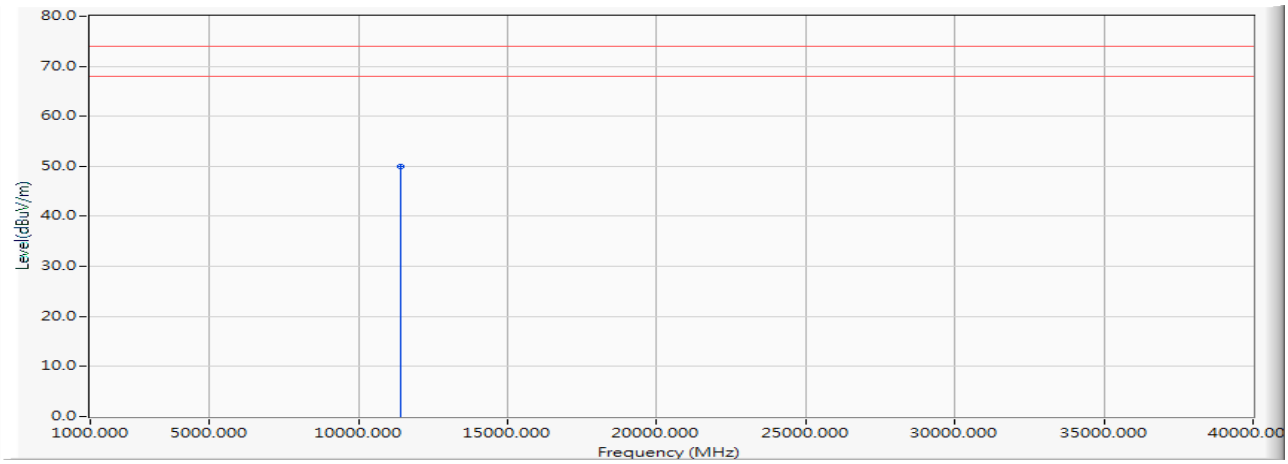
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11400.000	-11.233	57.860	46.628	-27.372	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5700MHz)

Vertical



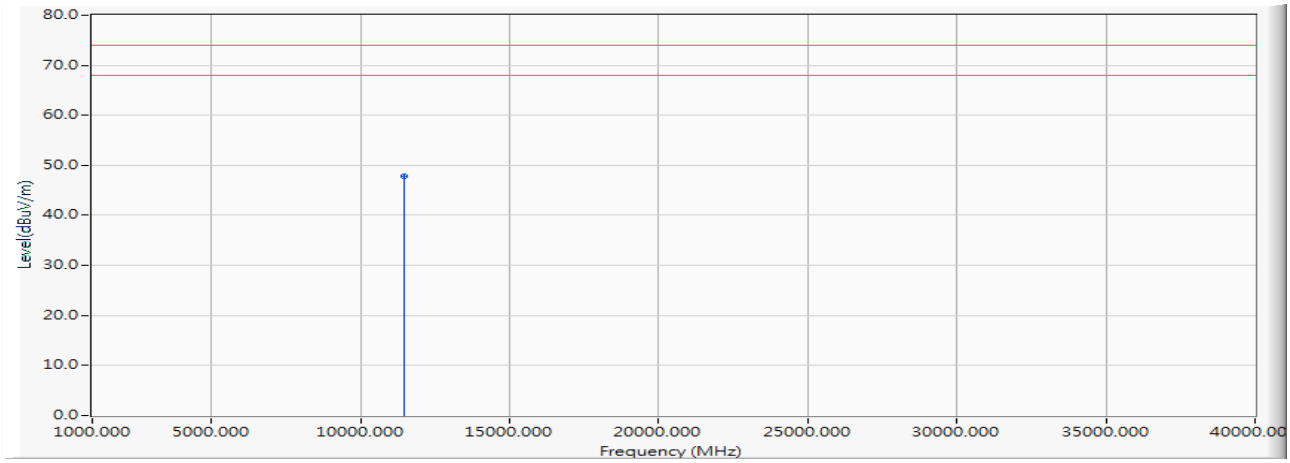
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11400.000	-11.233	61.210	49.978	-24.022	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5720MHz)

Horizontal



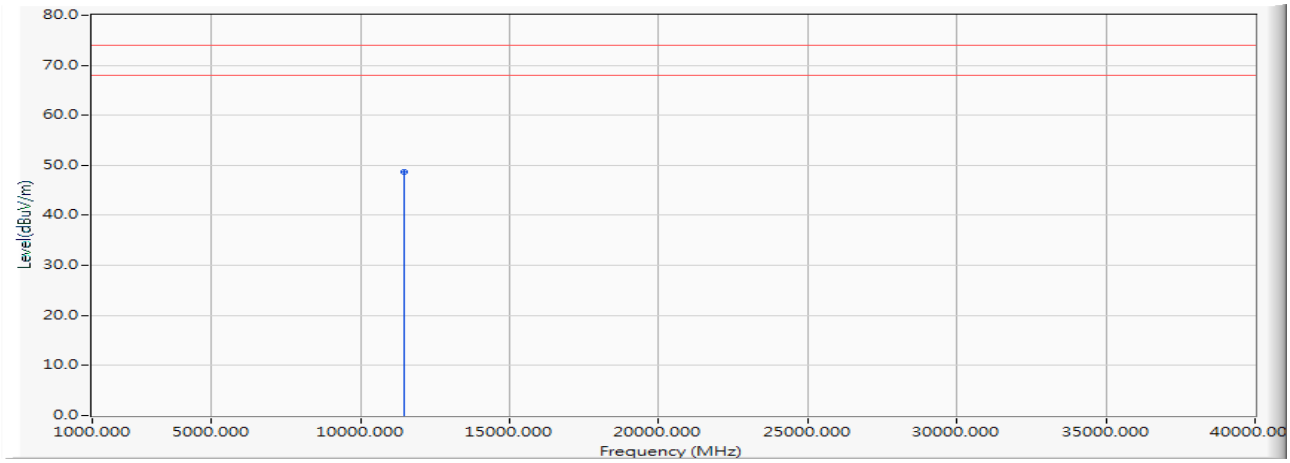
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11440.000	-11.512	59.348	47.836	-26.164	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5720MHz)

Vertical



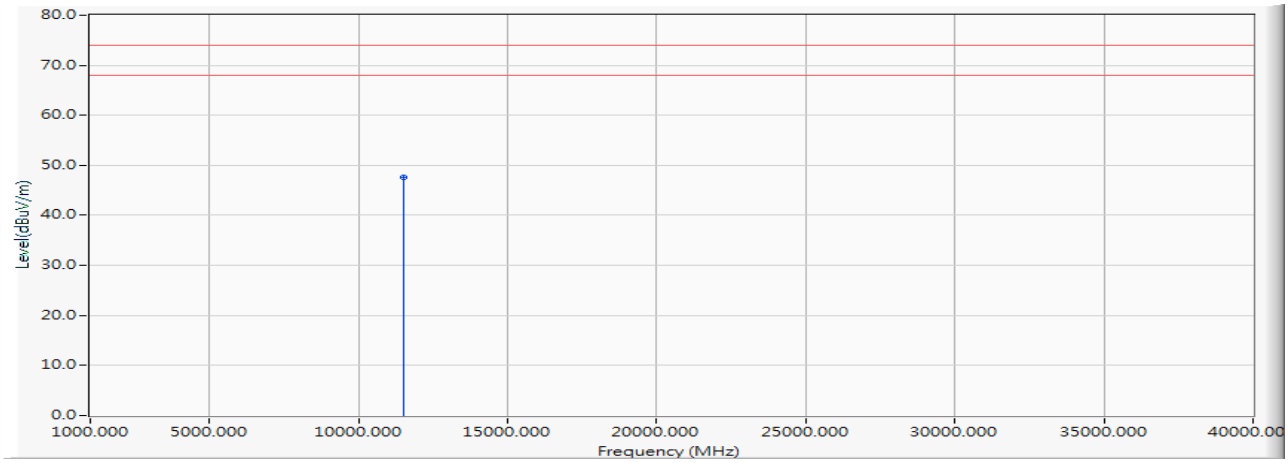
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11440.000	-11.512	60.248	48.736	-25.264	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5745MHz)

Horizontal



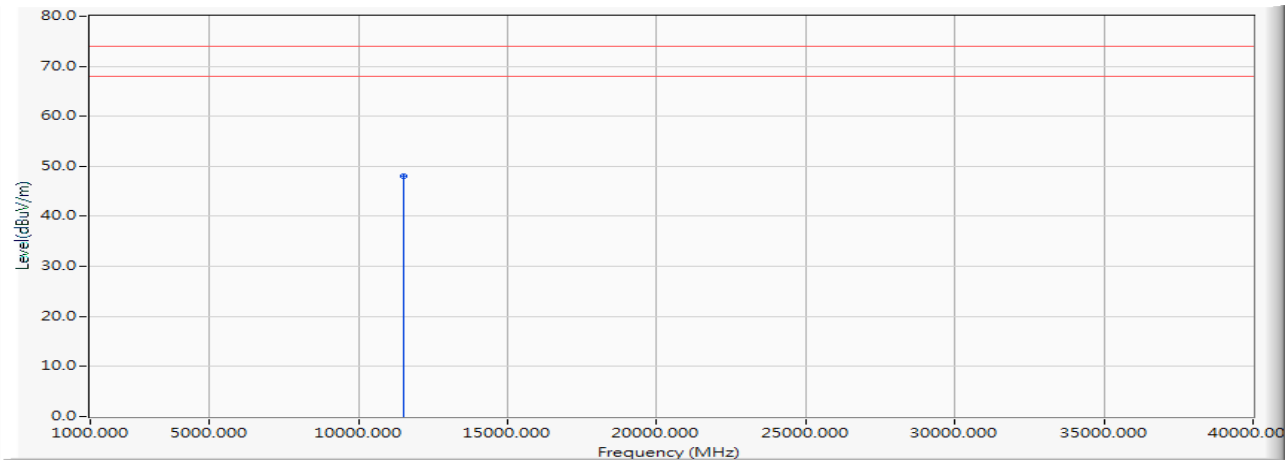
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	-11.855	59.502	47.648	-26.352	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5745MHz)

Vertical



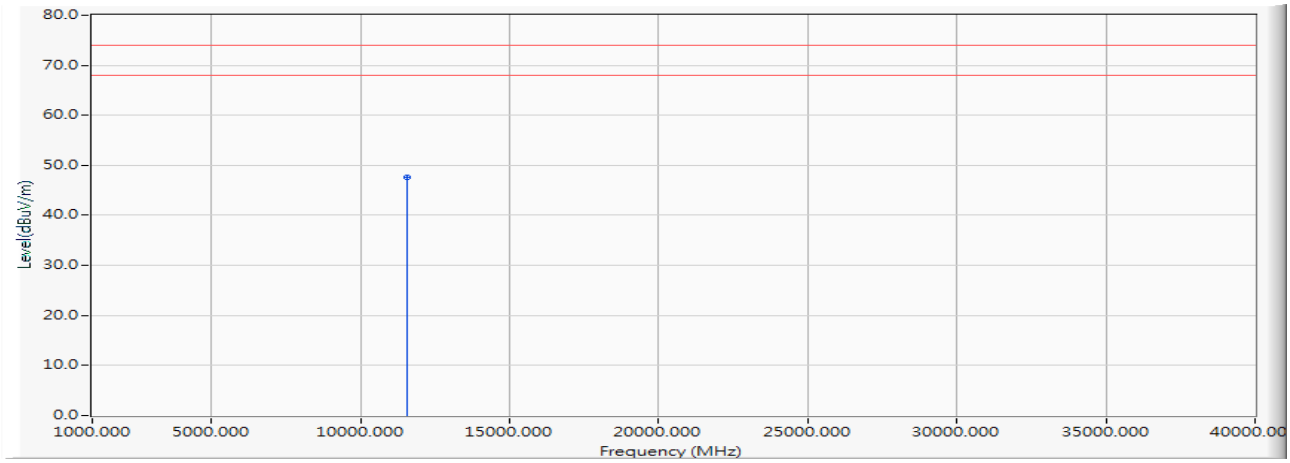
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	-11.855	59.930	48.076	-25.924	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5785MHz)

Horizontal



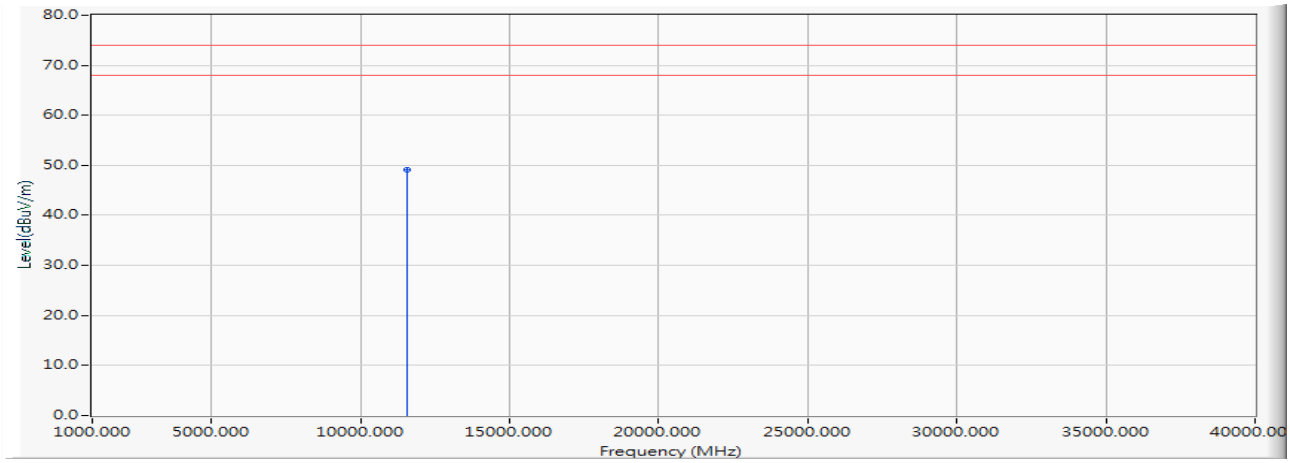
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	-11.508	59.208	47.701	-26.299	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5785MHz)

Vertical



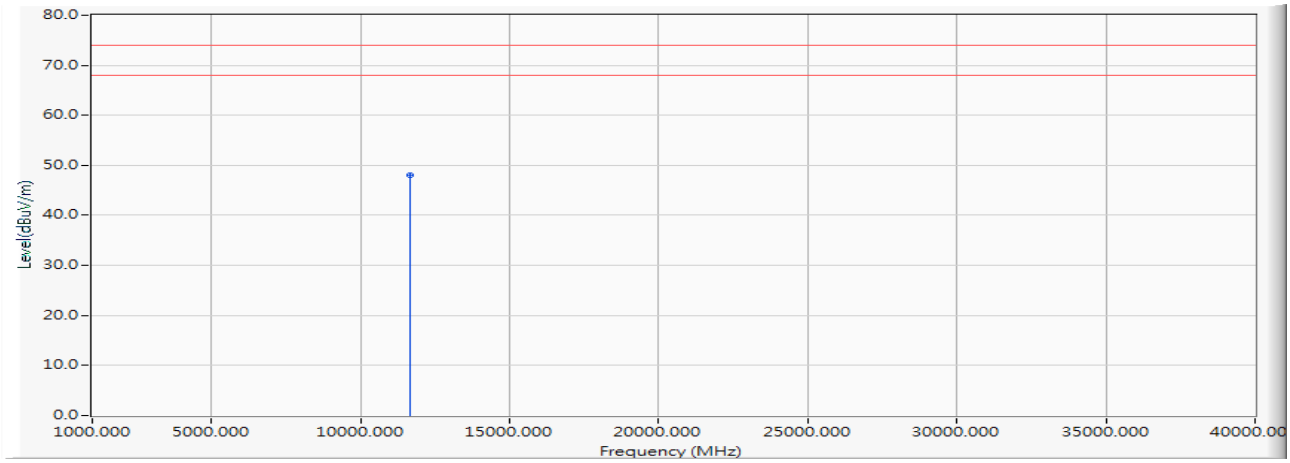
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	-11.508	60.683	49.176	-24.824	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5825MHz)

Horizontal



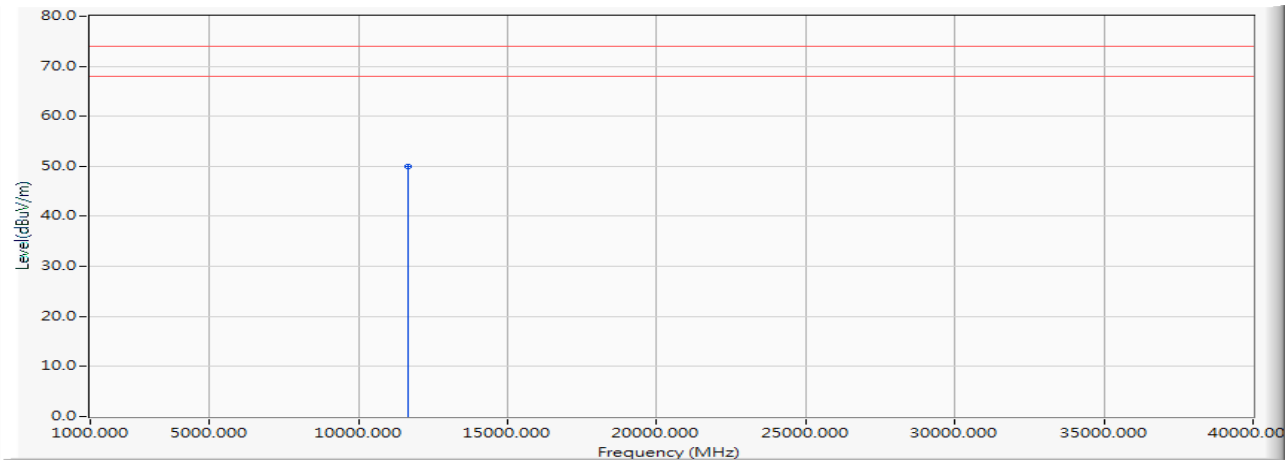
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	-10.977	58.957	47.980	-26.020	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5825MHz)

Vertical



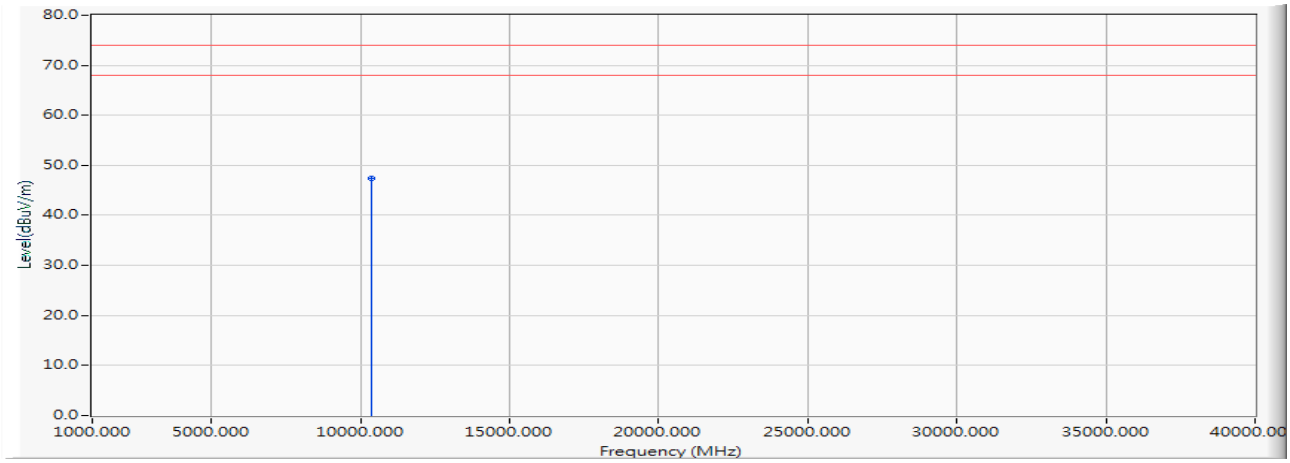
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	-10.977	60.903	49.926	-24.074	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)

Horizontal



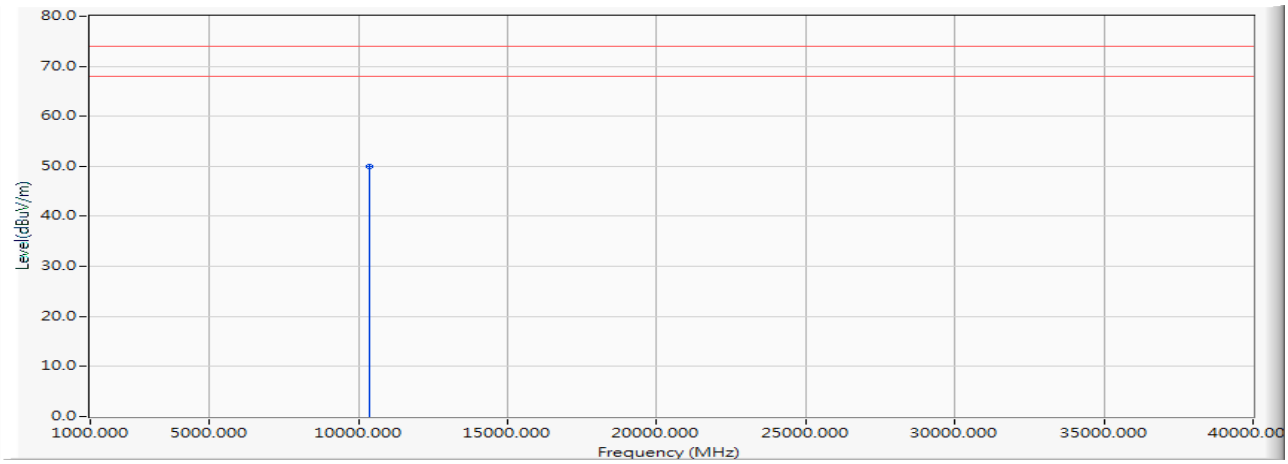
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.000	-11.773	59.095	47.322	-26.678	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)

Vertical



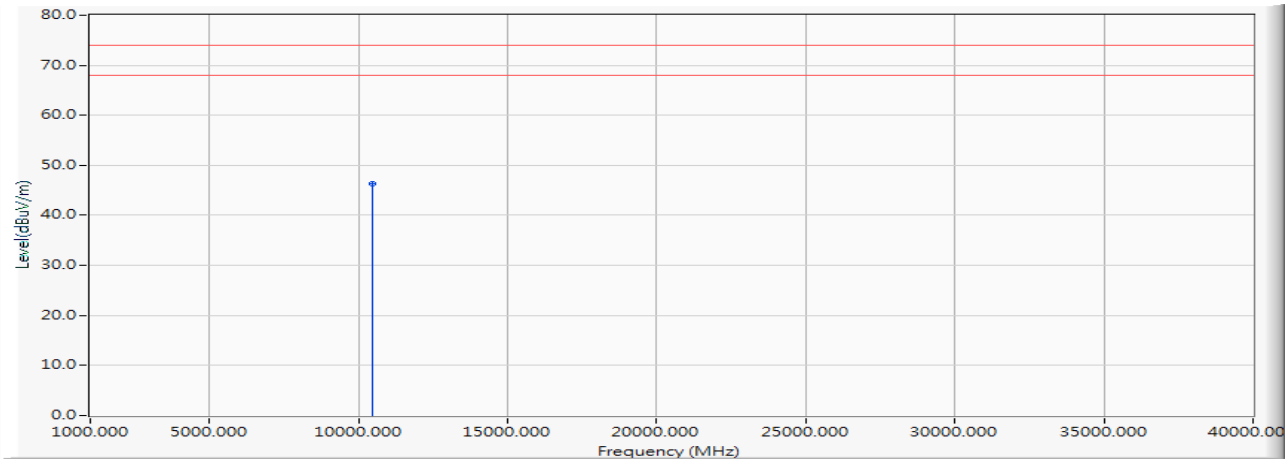
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.000	-11.773	61.641	49.868	-24.132	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5230MHz)

Horizontal



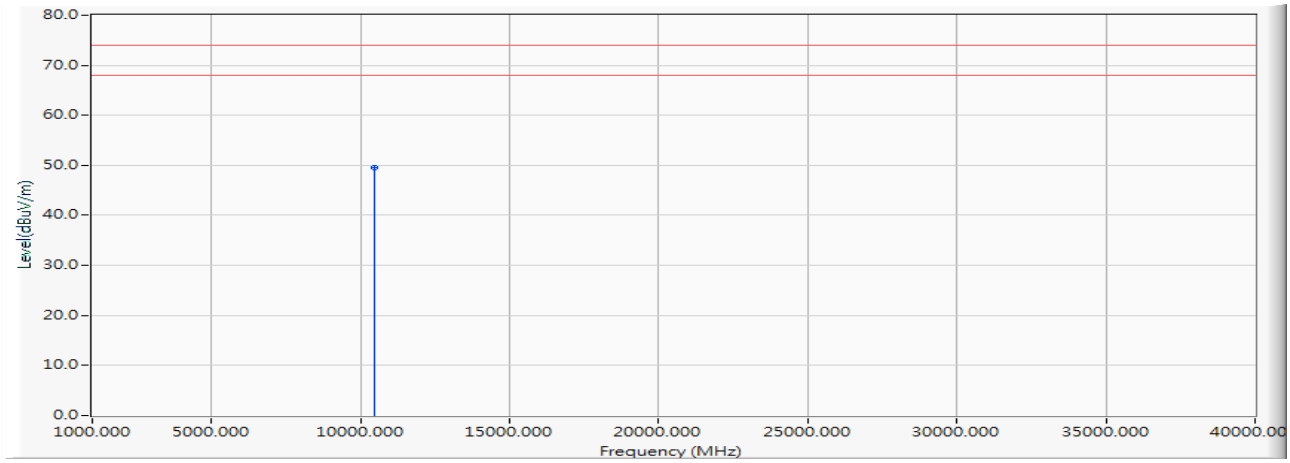
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10460.000	-12.534	58.896	46.362	-27.638	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5230MHz)

Vertical



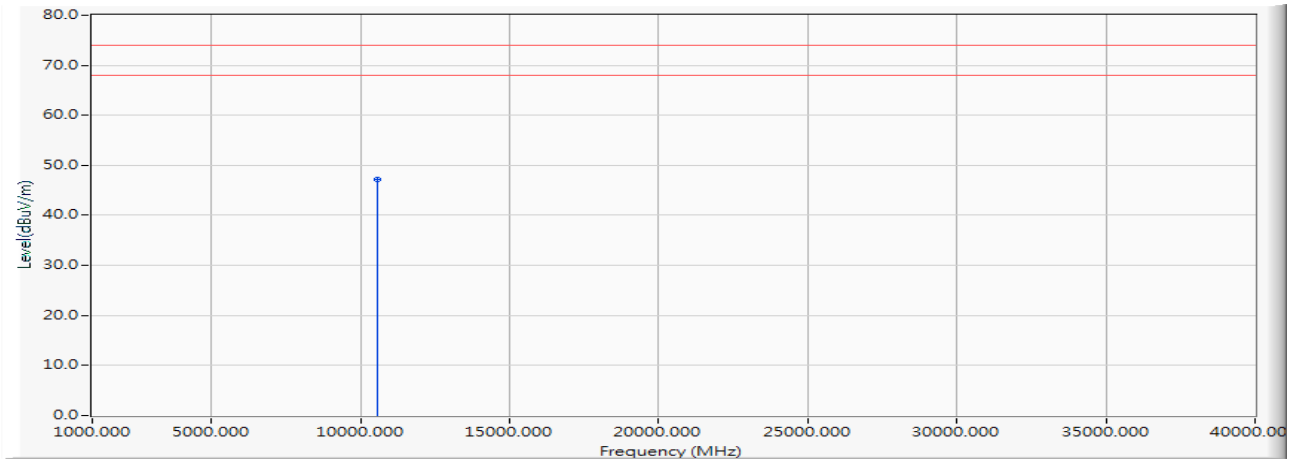
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10460.000	-12.534	61.979	49.445	-24.555	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5270MHz)

Horizontal



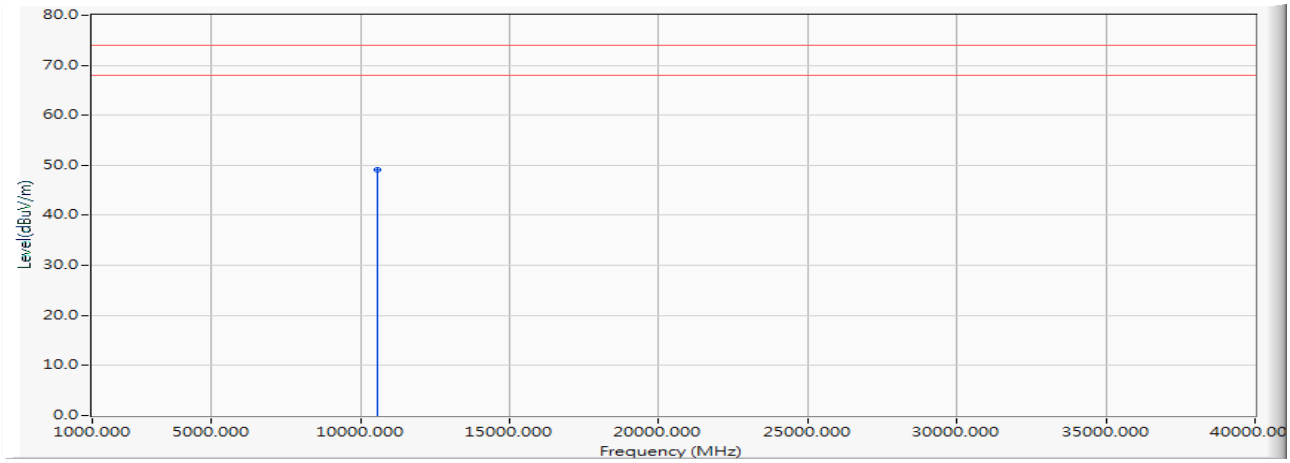
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10540.000	-13.210	60.351	47.141	-26.859	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5270MHz)

Vertical



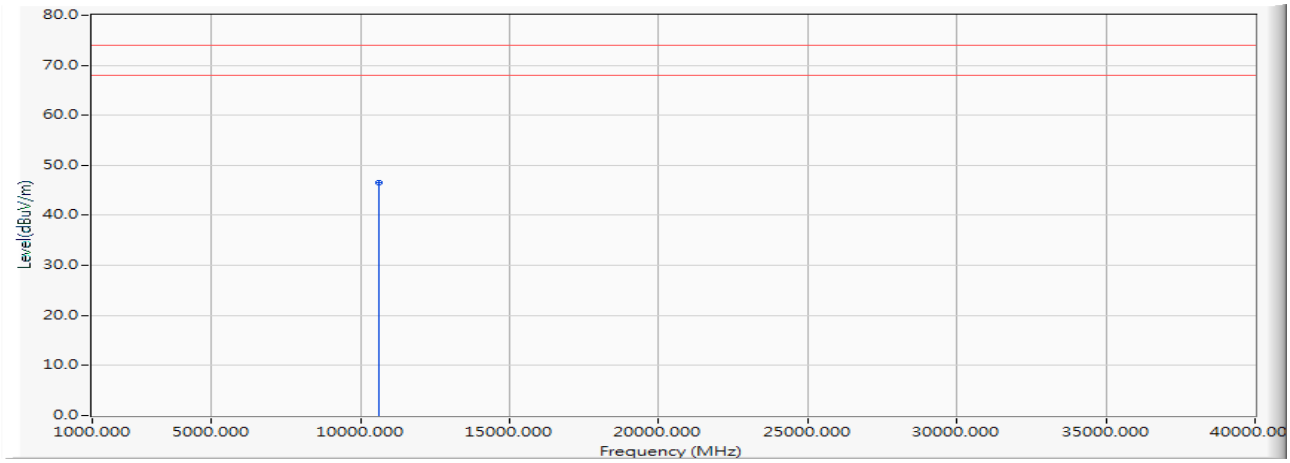
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10540.000	-13.210	62.359	49.149	-24.851	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)

Horizontal



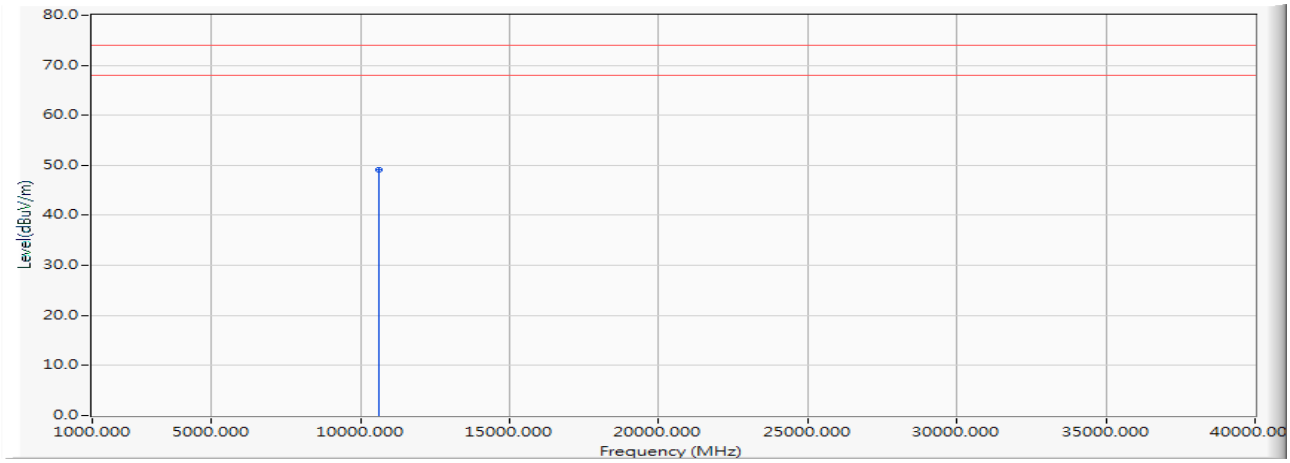
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10620.000	-13.817	60.422	46.605	-27.395	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)

Vertical



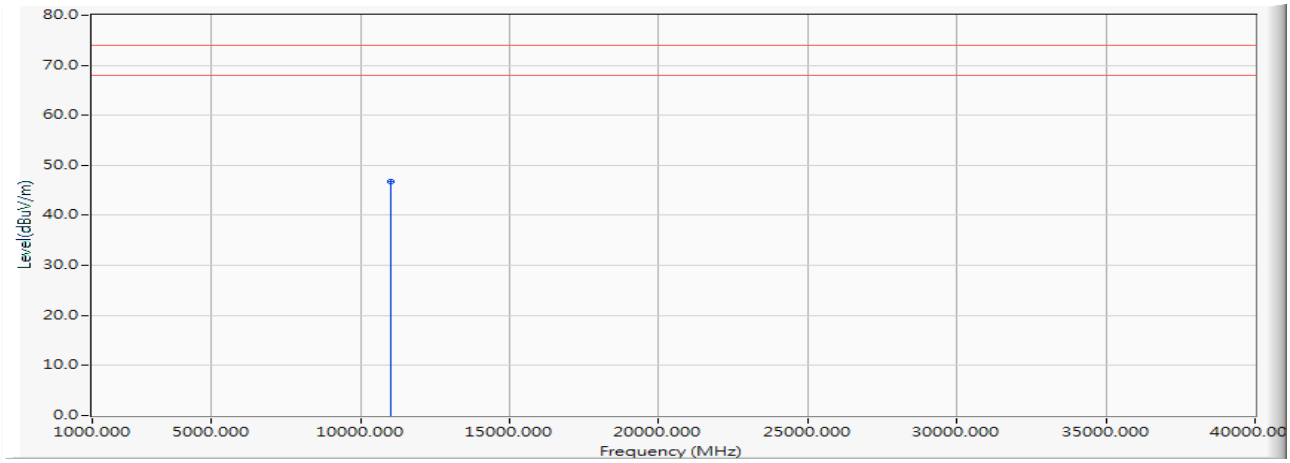
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10620.000	-13.817	62.939	49.122	-24.878	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)

Horizontal



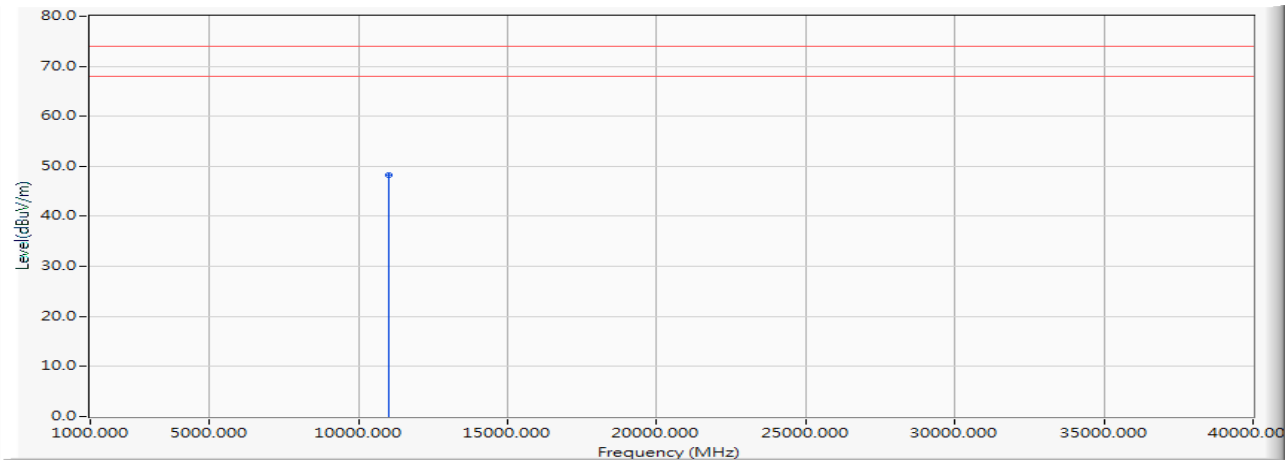
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11020.000	-12.322	59.100	46.777	-27.223	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)

Vertical



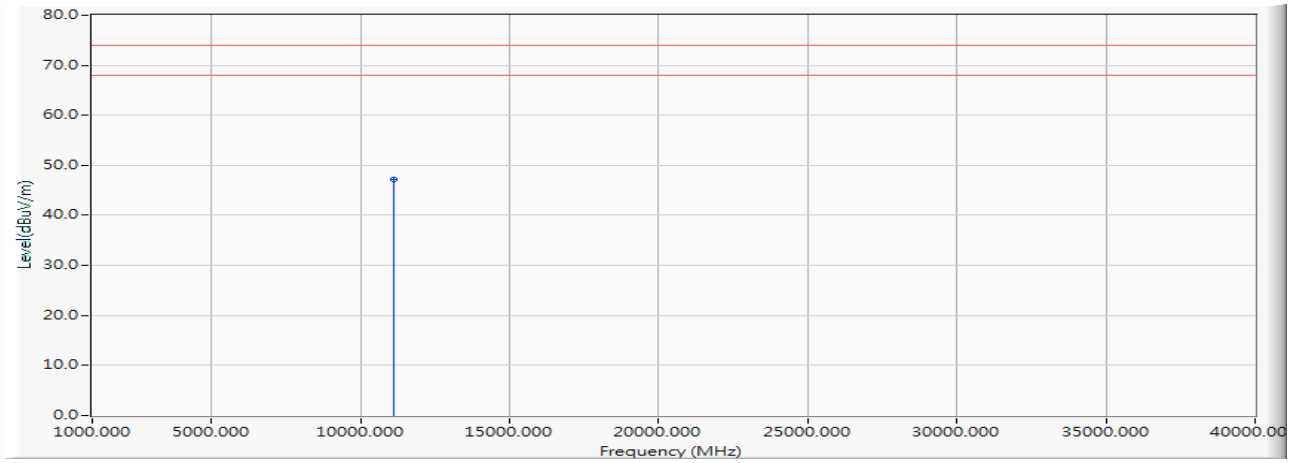
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11020.000	-12.322	60.474	48.151	-25.849	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5550MHz)

Horizontal



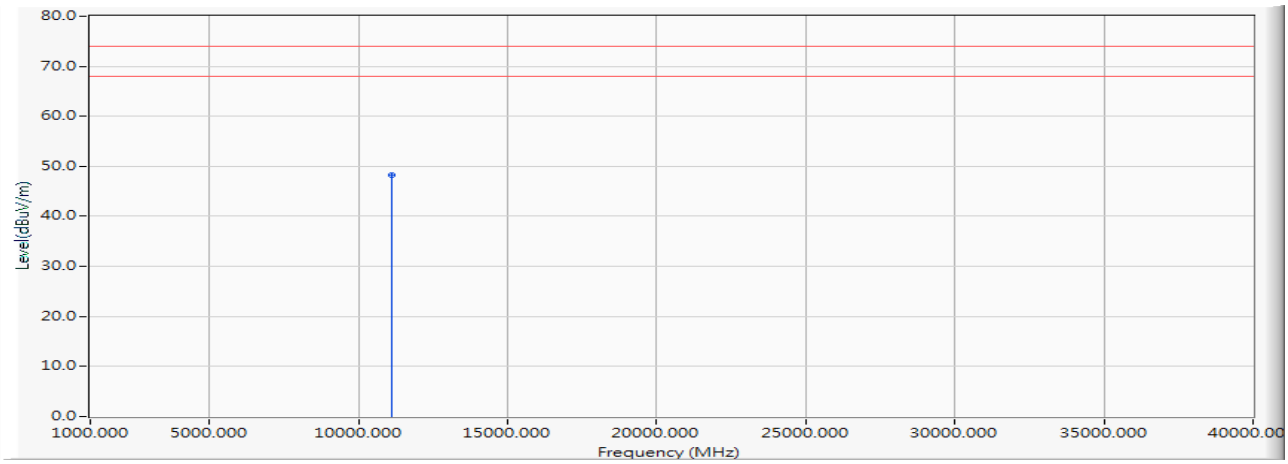
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11100.000	-11.596	58.716	47.120	-26.880	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5550MHz)

Vertical



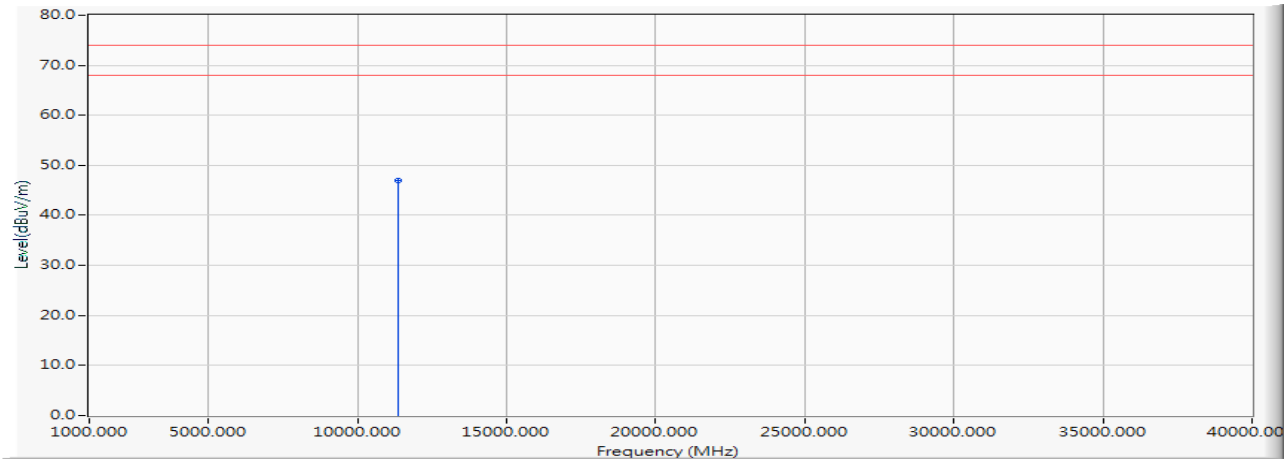
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11100.000	-11.596	59.870	48.274	-25.726	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5670MHz)

Horizontal



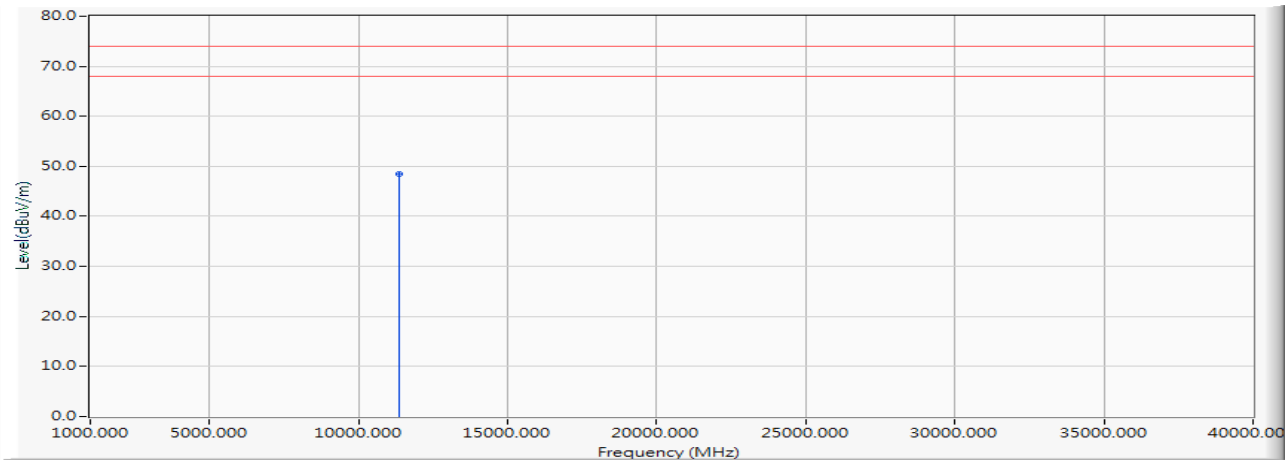
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11340.000	-10.815	57.727	46.911	-27.089	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5670MHz)

Vertical



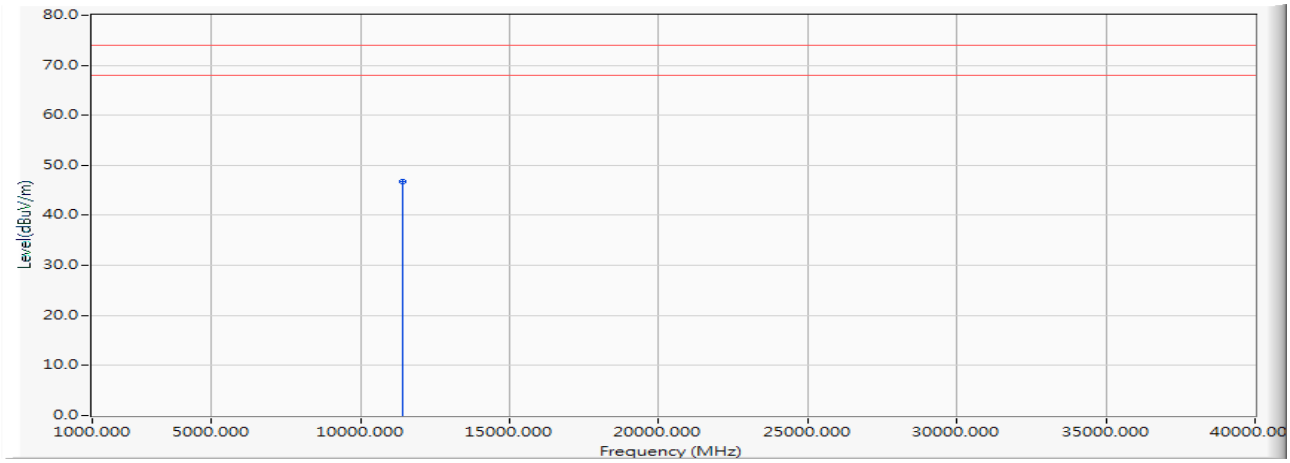
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11340.000	-10.815	59.383	48.567	-25.433	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5710MHz)

Horizontal



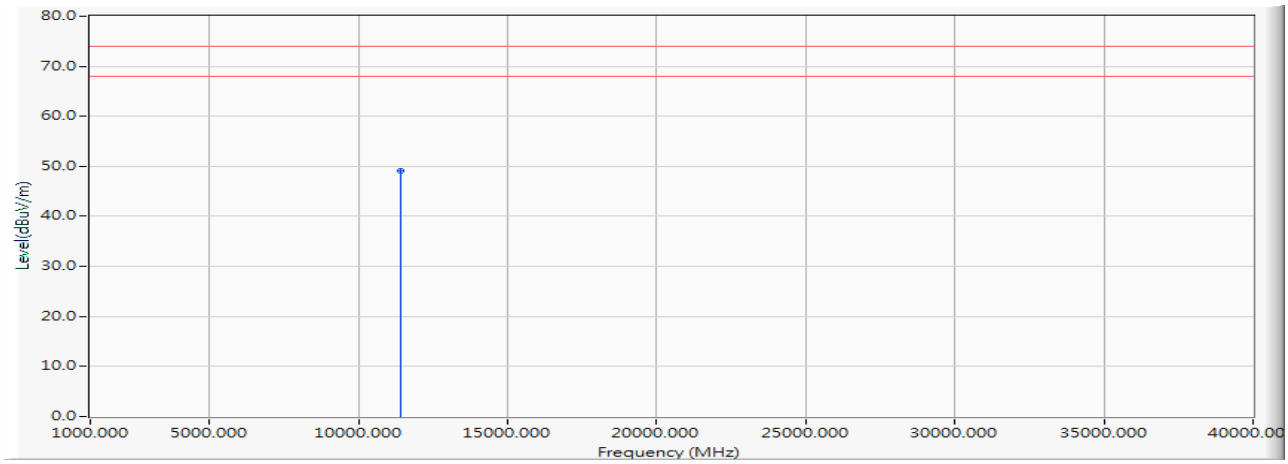
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11420.000	-11.372	58.127	46.755	-27.245	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5710MHz)

Vertical



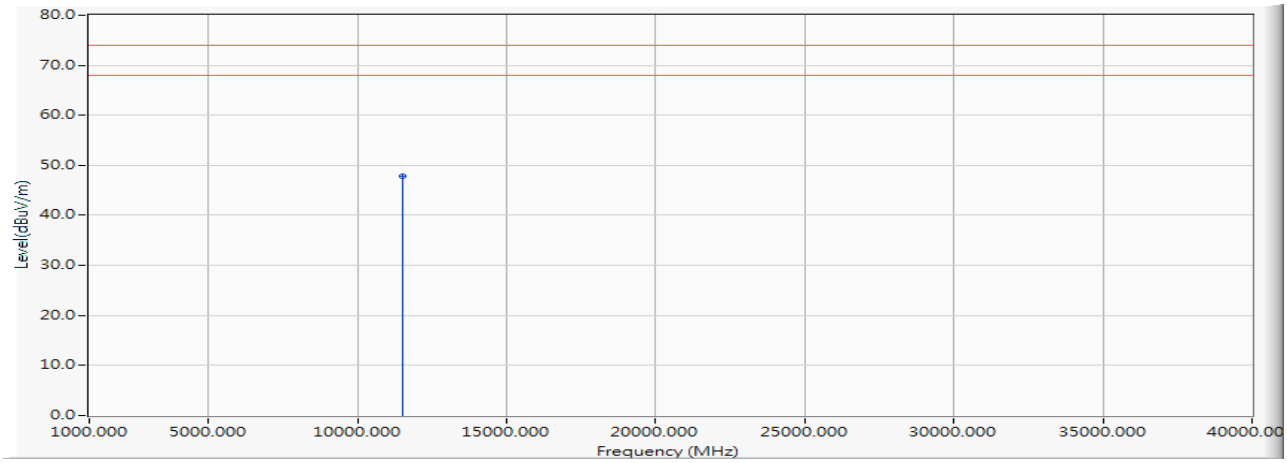
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11420.000	-11.372	60.459	49.087	-24.913	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)

Horizontal



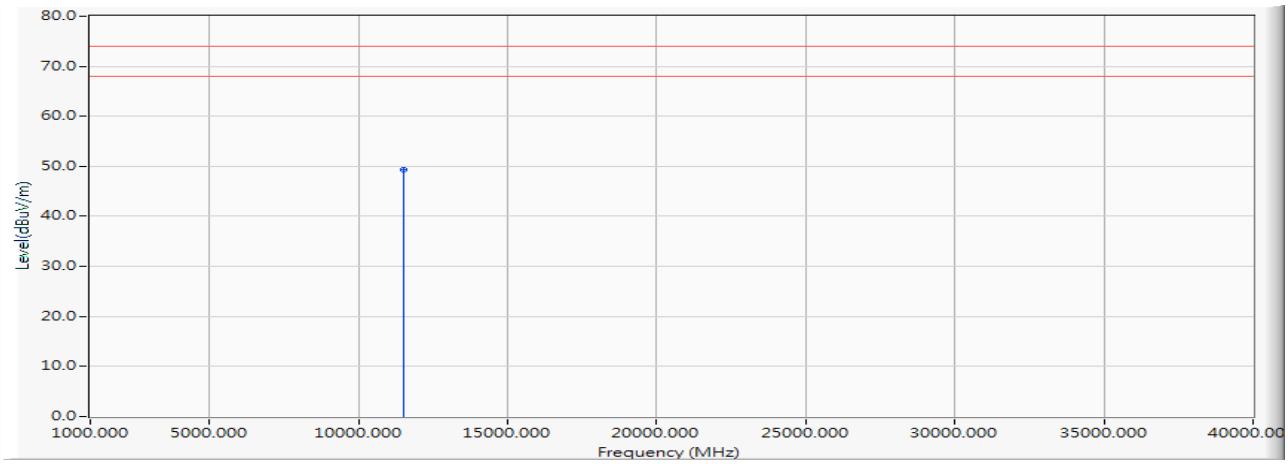
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	-11.869	59.726	47.857	-26.143	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)

Vertical



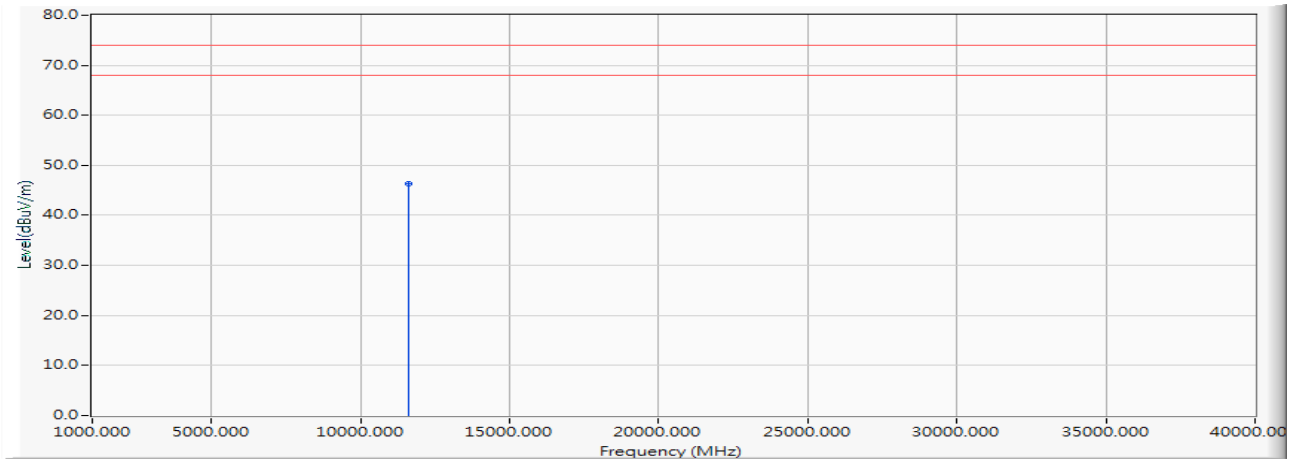
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	-11.869	61.249	49.380	-24.620	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)

Horizontal



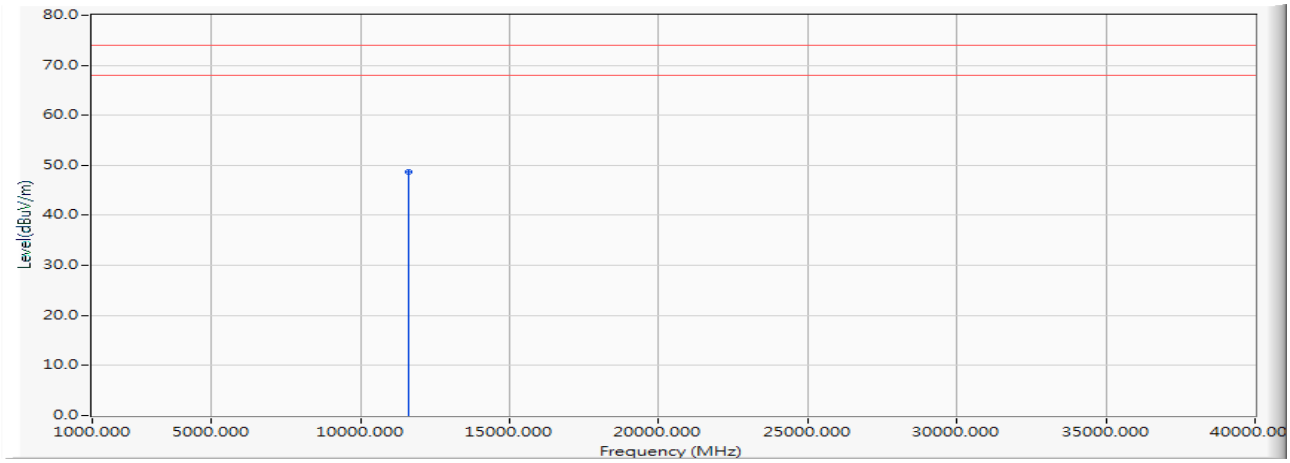
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	-11.389	57.757	46.368	-27.632	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)

Vertical



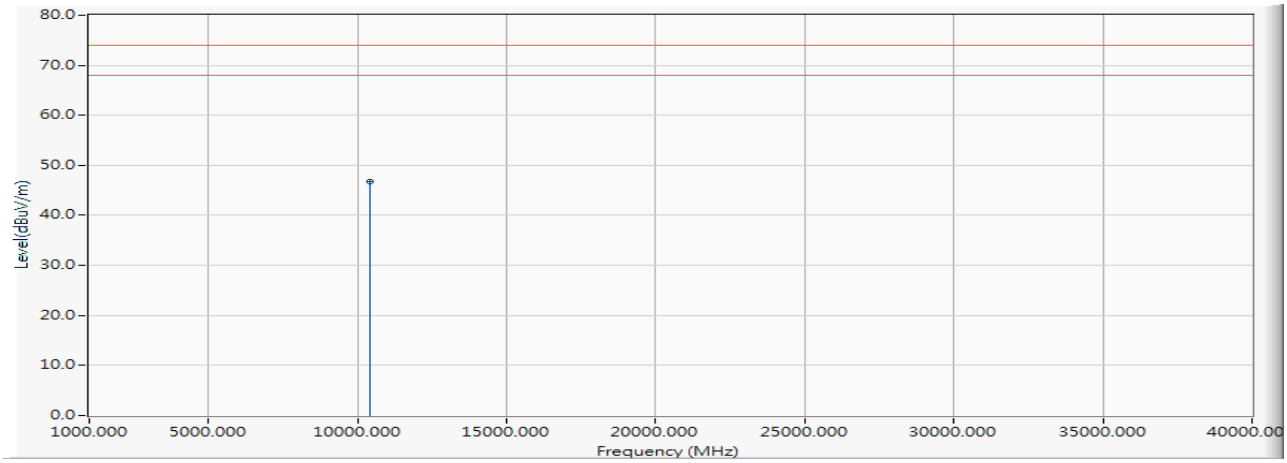
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	-11.389	60.055	48.666	-25.334	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5210MHz)

Horizontal



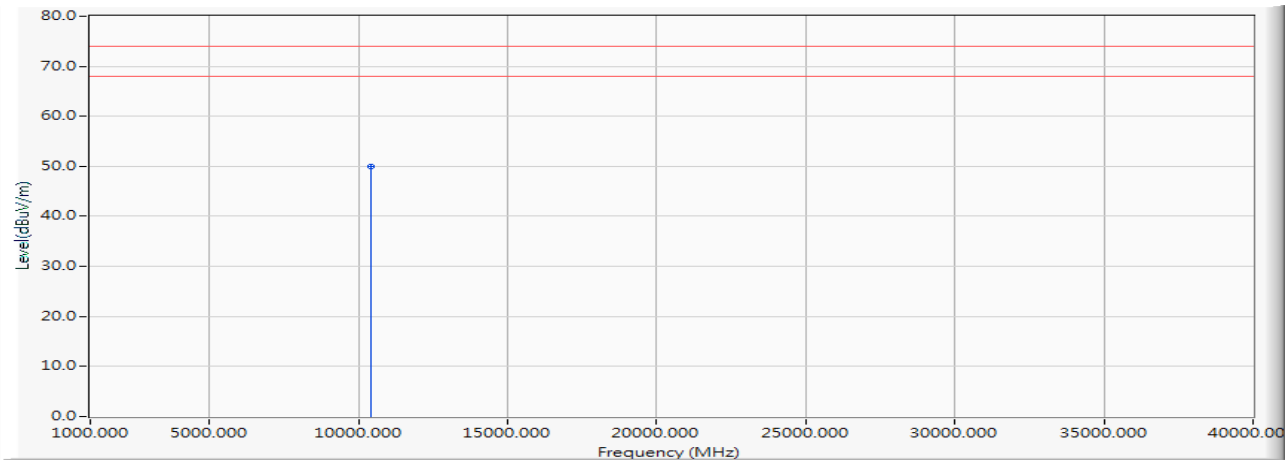
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10420.000	-12.154	58.846	46.692	-27.308	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5210MHz)

Vertical



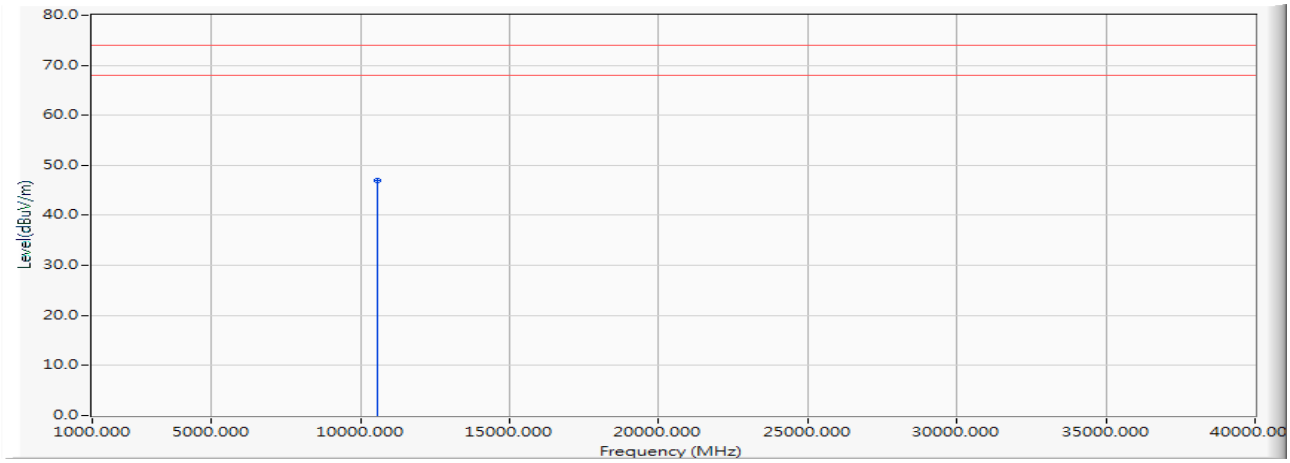
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10420.000	-12.154	62.104	49.950	-24.050	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5290MHz)

Horizontal



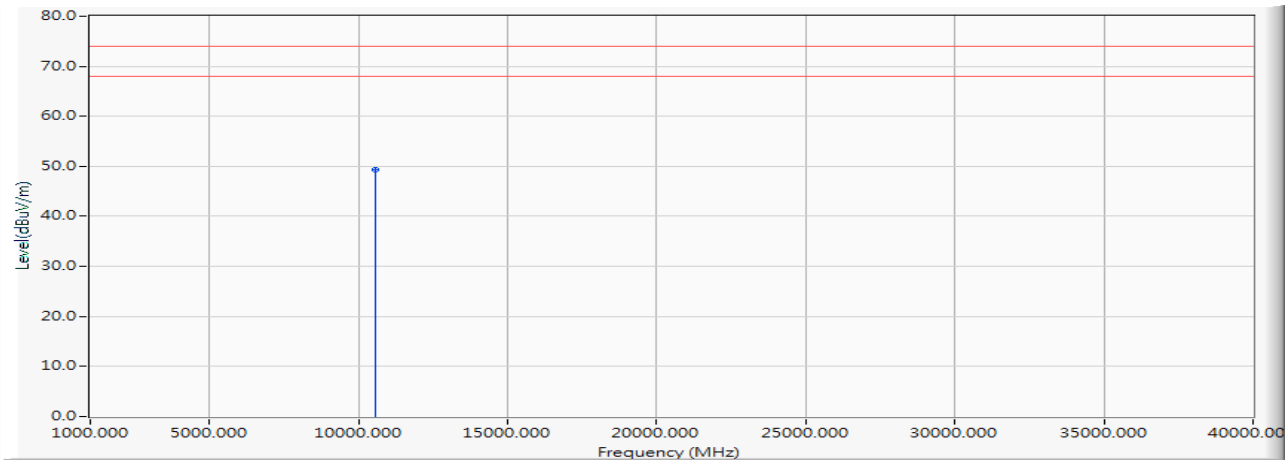
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10580.000	-13.503	60.422	46.919	-27.081	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5290MHz)

Vertical



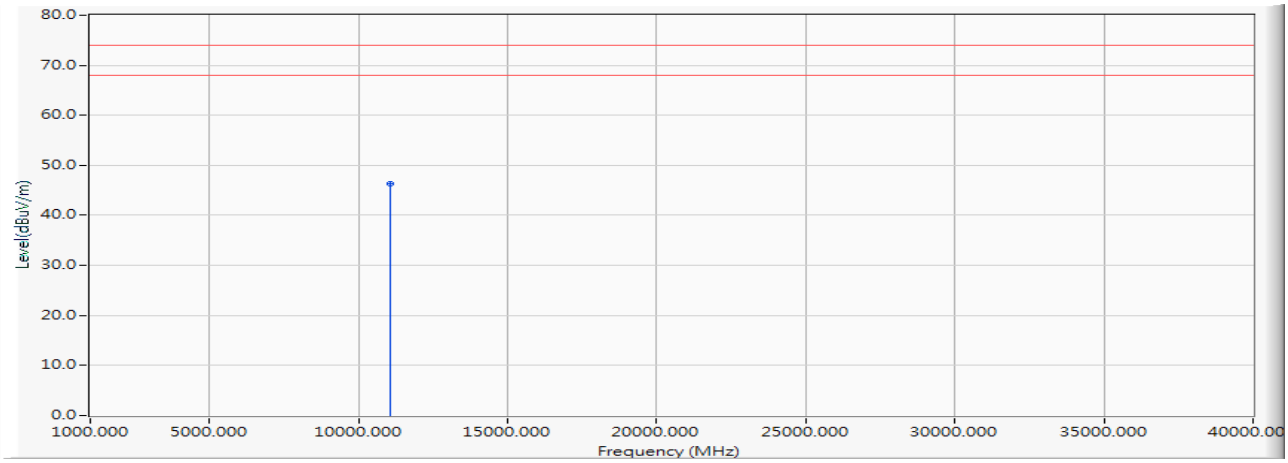
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10580.000	-13.503	62.867	49.364	-24.636	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5530MHz)

Horizontal



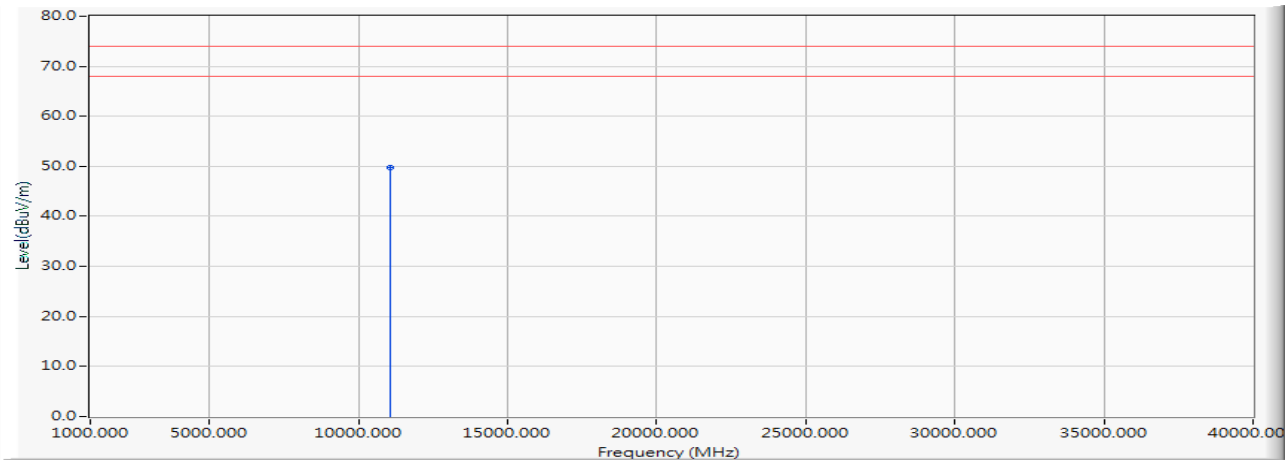
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11060.000	-11.960	58.349	46.390	-27.610	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5530MHz)

Vertical



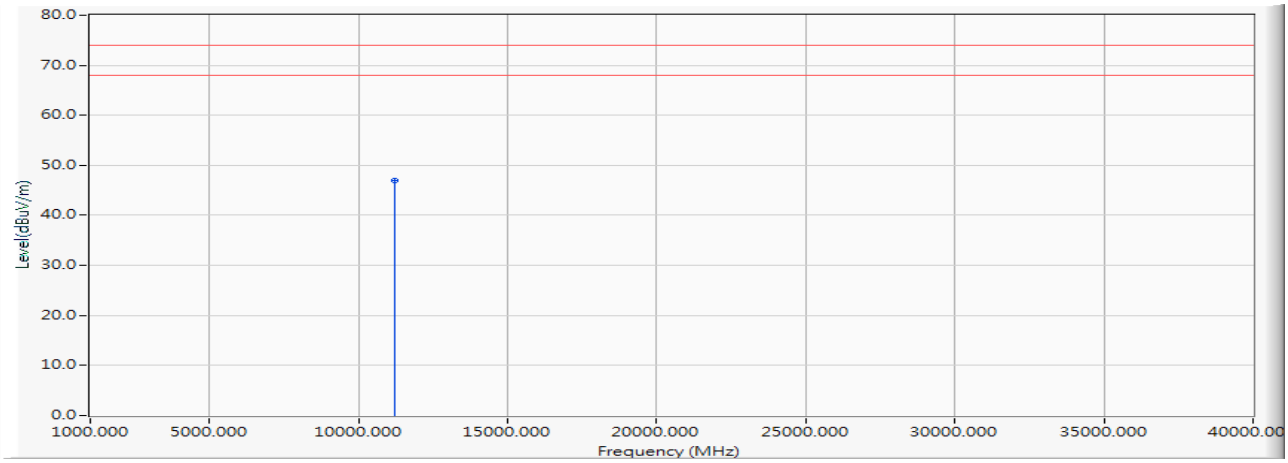
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11060.000	-11.960	61.760	49.801	-24.199	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5610MHz)

Horizontal



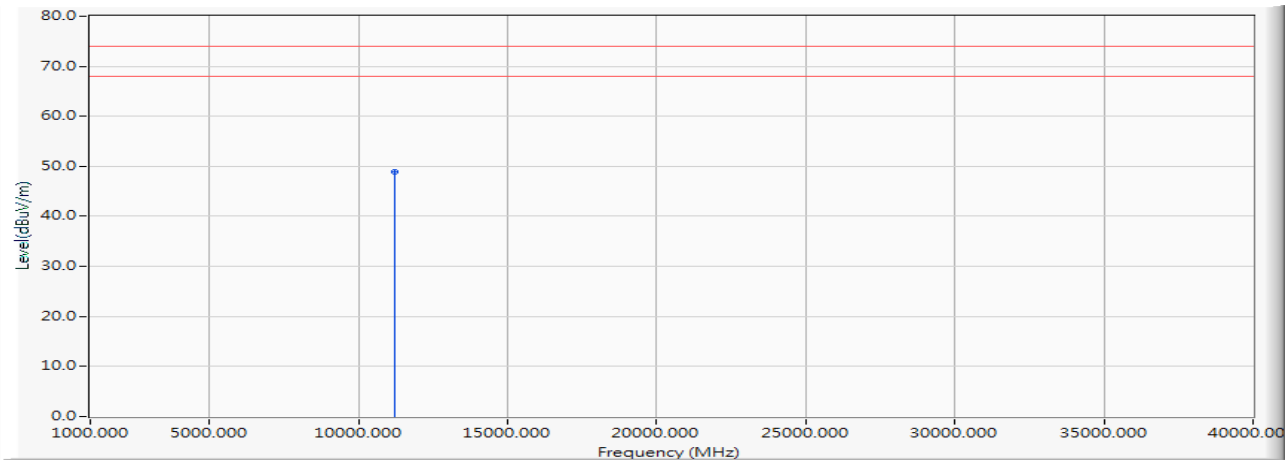
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11220.000	-10.410	57.409	46.999	-27.001	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5610MHz)

Vertical



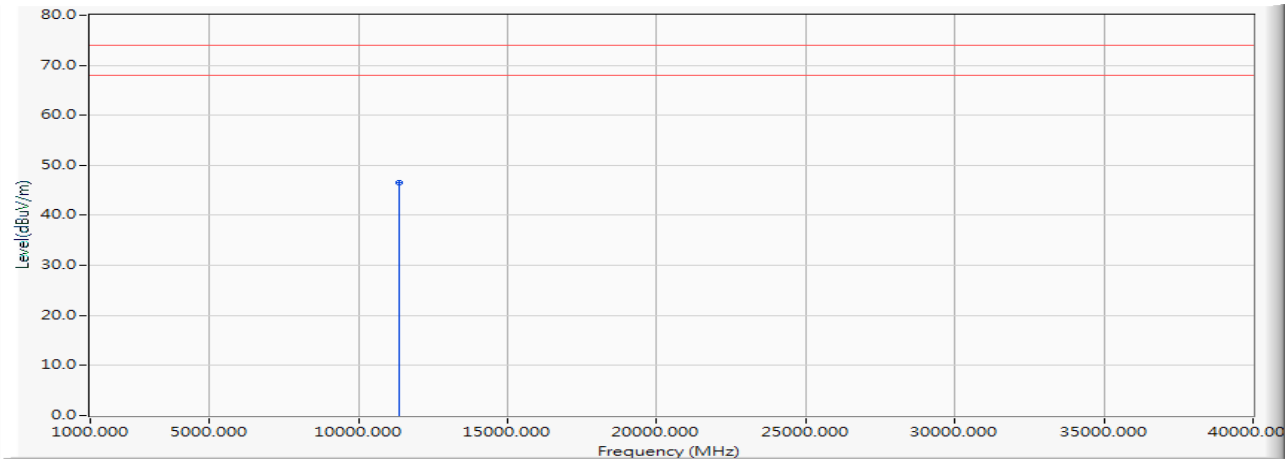
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11220.000	-10.410	59.310	48.900	-25.100	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5690MHz)

Horizontal



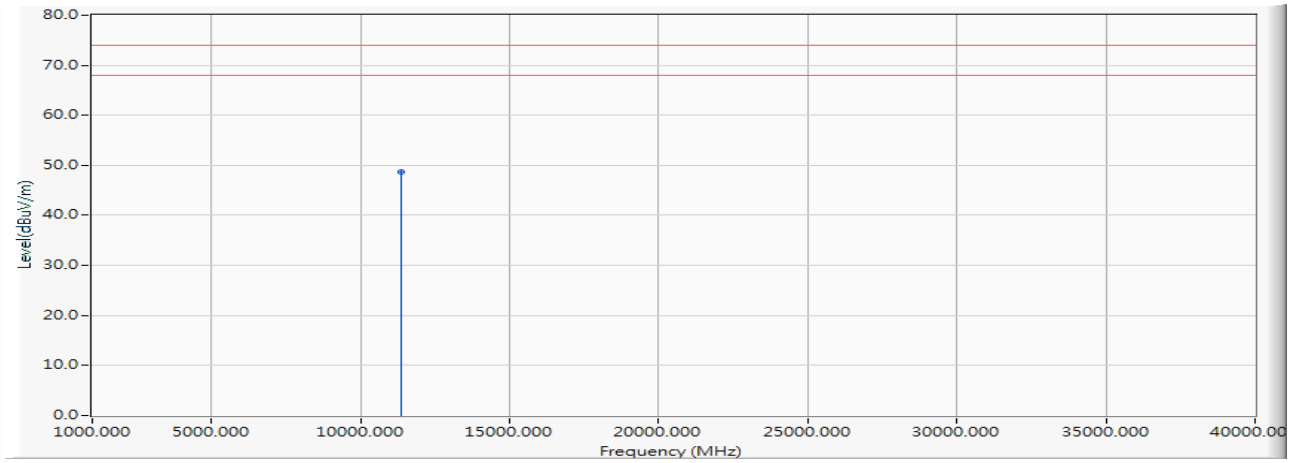
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11380.000	-11.094	57.653	46.560	-27.440	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5690MHz)

Vertical



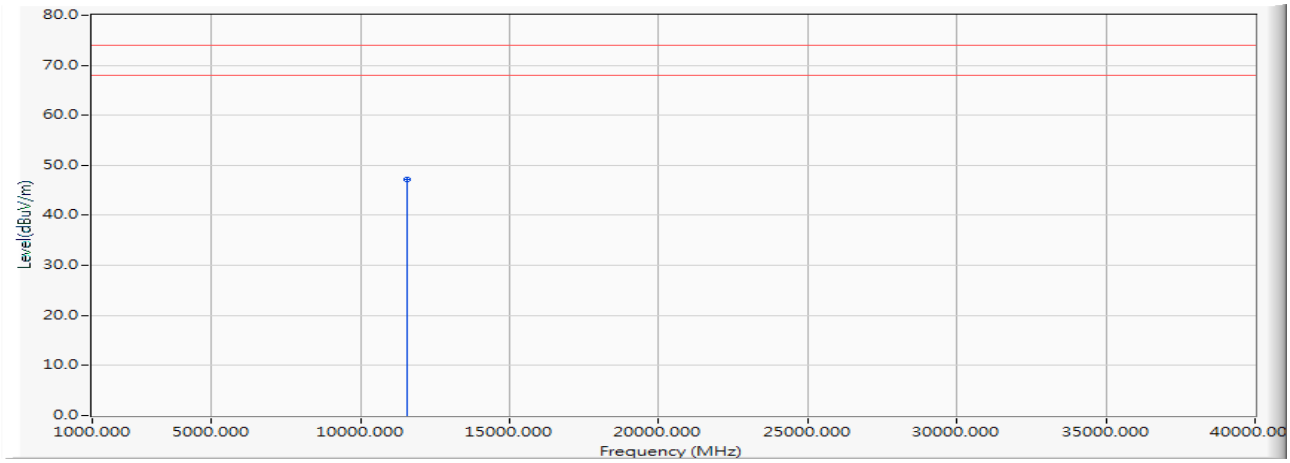
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11380.000	-11.094	59.882	48.789	-25.211	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5775MHz)

Horizontal



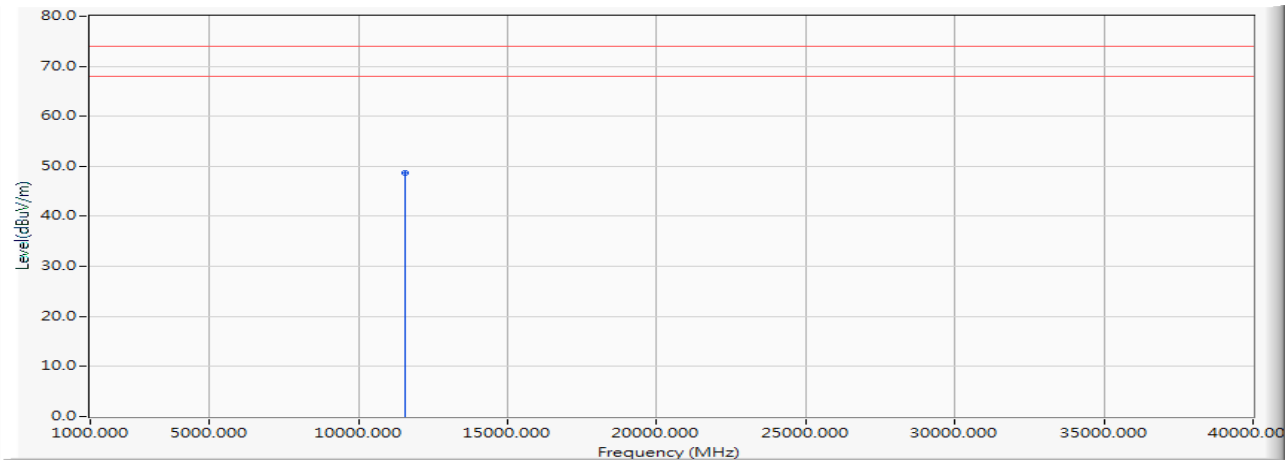
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	-11.629	58.835	47.207	-26.793	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : Harmonic Radiated Emission Data
Test Date : 2019/10/30
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5775MHz)

Vertical



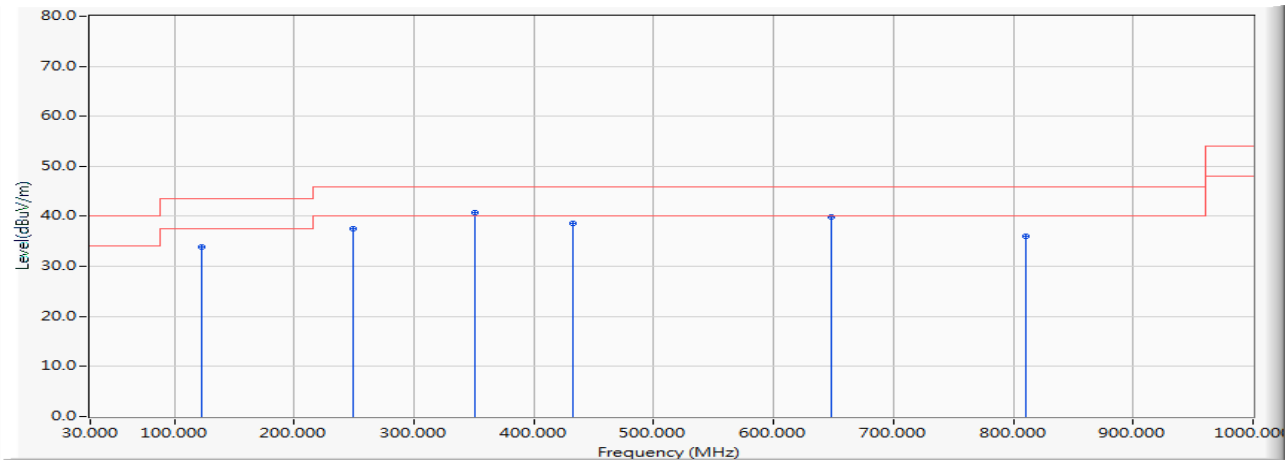
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	-11.629	60.386	48.758	-25.242	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5220MHz)

Horizontal



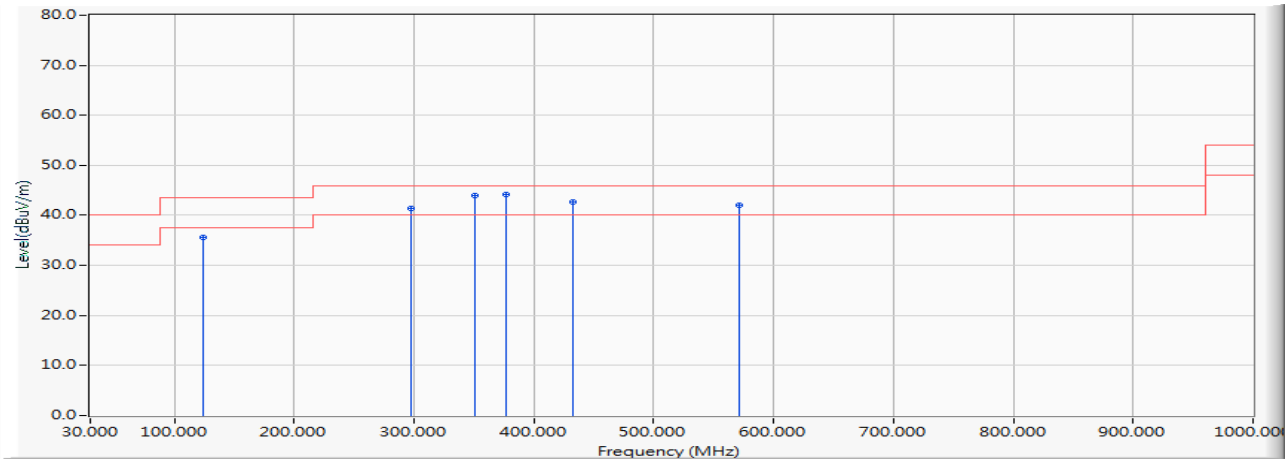
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		122.783	-16.678	50.487	33.809	-9.691	43.500	PEAK
2		249.304	-17.969	55.514	37.545	-8.455	46.000	PEAK
3	*	350.522	-13.279	54.114	40.834	-5.166	46.000	PEAK
4		432.058	-10.761	49.459	38.698	-7.302	46.000	PEAK
5		648.551	-9.290	49.174	39.884	-6.116	46.000	PEAK
6		810.217	-8.944	45.001	36.057	-9.943	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5220MHz)

Vertical



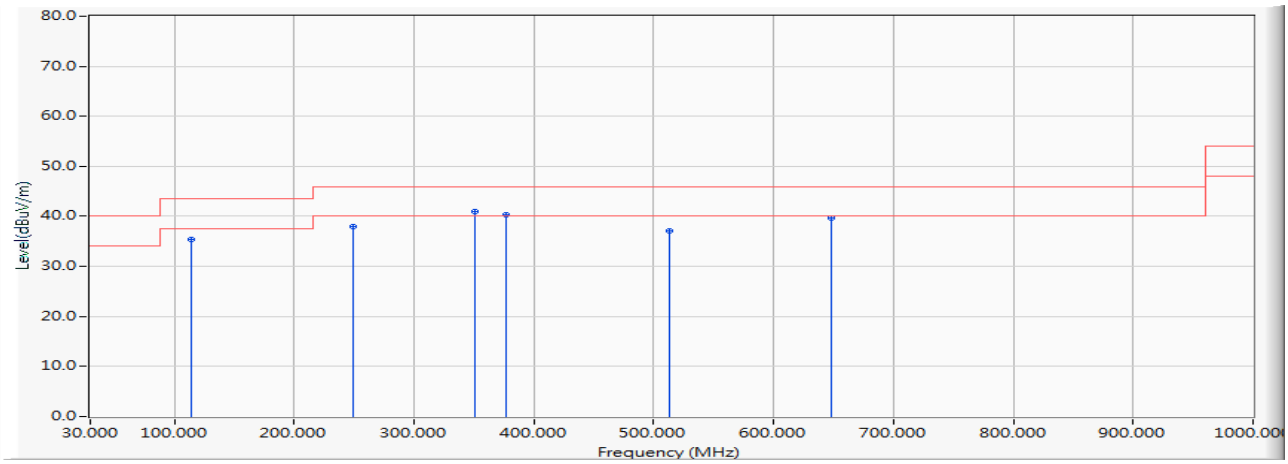
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		124.188	-16.558	52.058	35.500	-8.000	43.500	PEAK
2		297.101	-15.388	56.796	41.409	-4.591	46.000	PEAK
3		350.522	-13.279	57.255	43.975	-2.025	46.000	PEAK
4	*	377.232	-12.123	56.292	44.169	-1.831	46.000	PEAK
5		432.058	-10.761	53.467	42.706	-3.294	46.000	PEAK
6		571.232	-8.834	50.842	42.008	-3.992	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5300MHz)

Horizontal



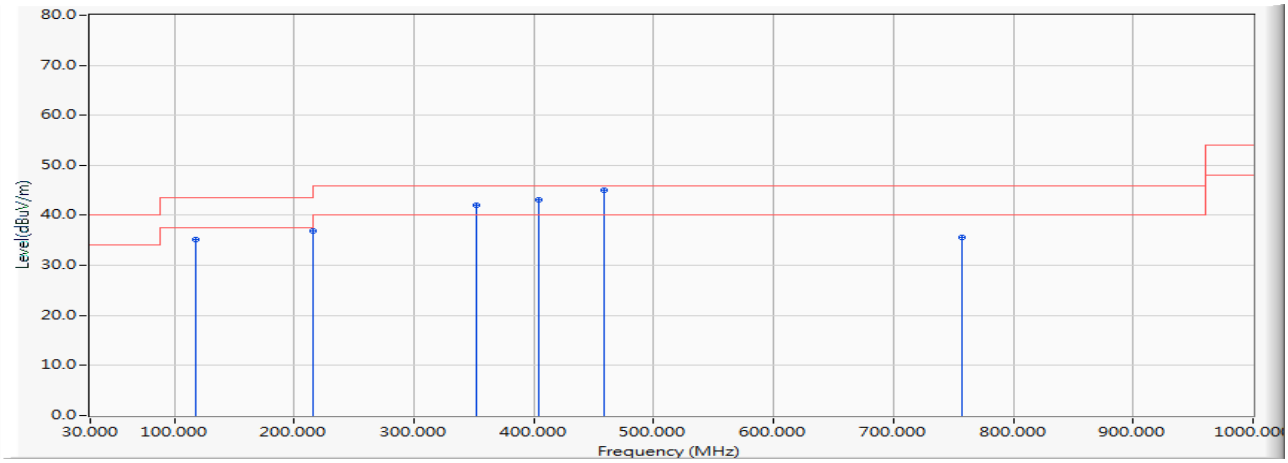
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		114.348	-16.854	52.327	35.473	-8.027	43.500	PEAK
2		249.304	-17.969	56.013	38.044	-7.956	46.000	PEAK
3	*	350.522	-13.279	54.285	41.005	-4.995	46.000	PEAK
4		377.232	-12.123	52.526	40.403	-5.597	46.000	PEAK
5		513.594	-11.113	48.125	37.012	-8.988	46.000	PEAK
6		648.551	-9.290	49.049	39.759	-6.241	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5300MHz)

Vertical



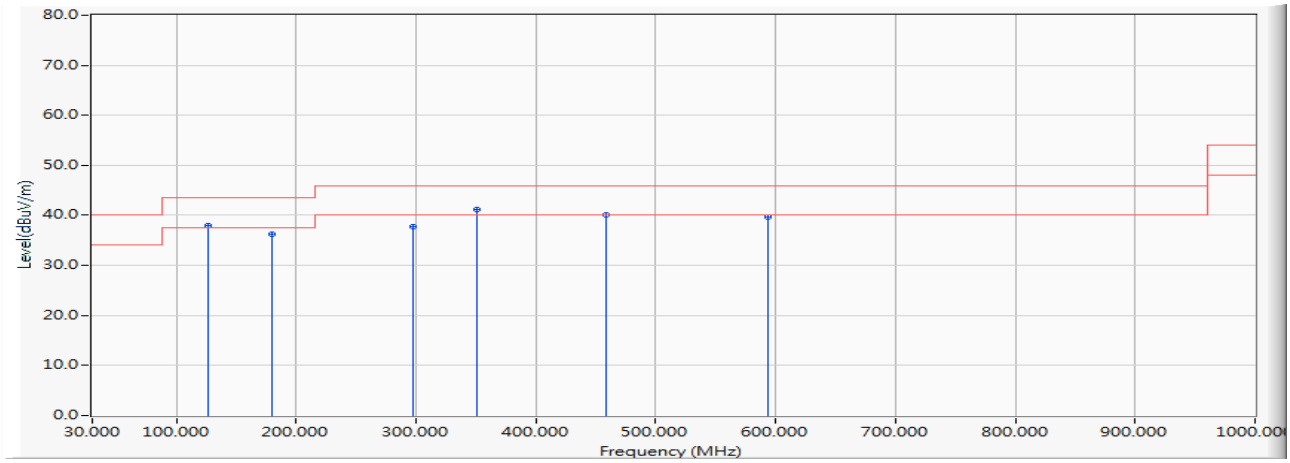
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		118.565	-16.901	51.997	35.095	-8.405	43.500	PEAK
2		215.565	-18.132	55.090	36.958	-6.542	43.500	PEAK
3		351.928	-13.196	55.220	42.024	-3.976	46.000	PEAK
4		403.942	-13.425	56.539	43.114	-2.886	46.000	PEAK
5	*	458.768	-10.460	55.529	45.069	-0.931	46.000	PEAK
6		756.797	-7.372	42.979	35.606	-10.394	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5580MHz)

Horizontal



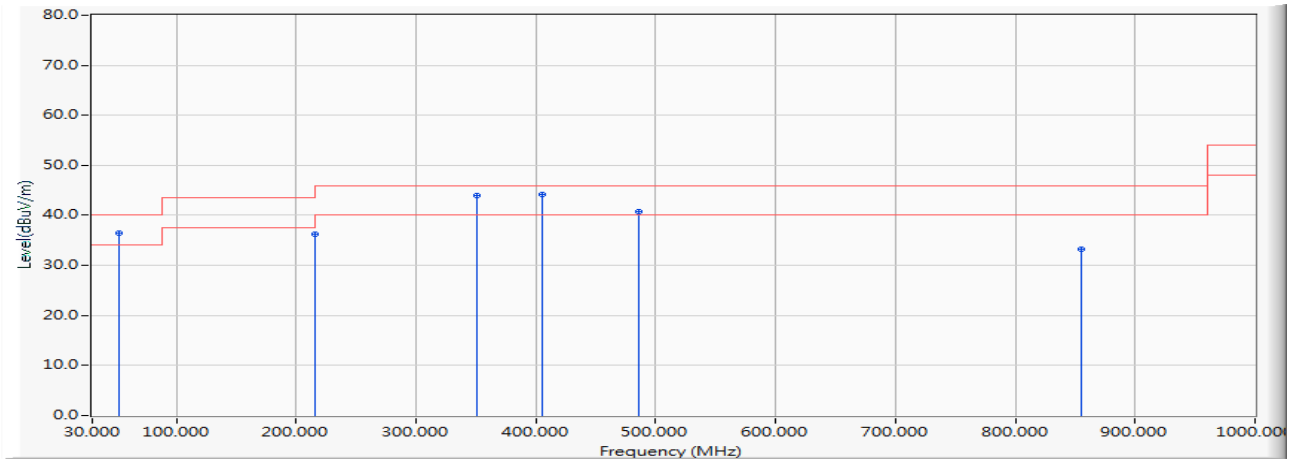
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		127.000	-16.313	54.311	37.998	-5.502	43.500	PEAK
2		180.420	-19.273	55.556	36.284	-7.216	43.500	PEAK
3		297.101	-15.388	53.165	37.778	-8.222	46.000	PEAK
4	*	350.522	-13.279	54.562	41.282	-4.718	46.000	PEAK
5		458.768	-10.460	50.570	40.110	-5.890	46.000	PEAK
6		593.725	-6.884	46.581	39.697	-6.303	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5580MHz)

Vertical



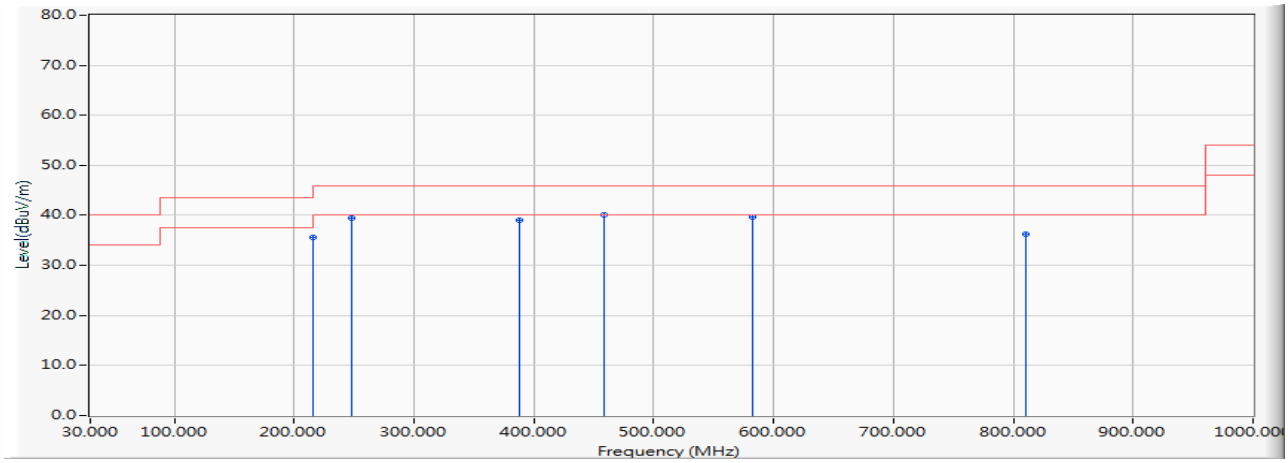
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		52.493	-17.786	54.217	36.431	-3.569	40.000	PEAK
2		215.565	-18.132	54.373	36.241	-7.259	43.500	PEAK
3		350.522	-13.279	57.273	43.993	-2.007	46.000	PEAK
4	*	405.348	-13.330	57.561	44.231	-1.769	46.000	PEAK
5		485.478	-11.794	52.473	40.678	-5.322	46.000	PEAK
6		855.203	-8.376	41.596	33.221	-12.779	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5785MHz)

Horizontal



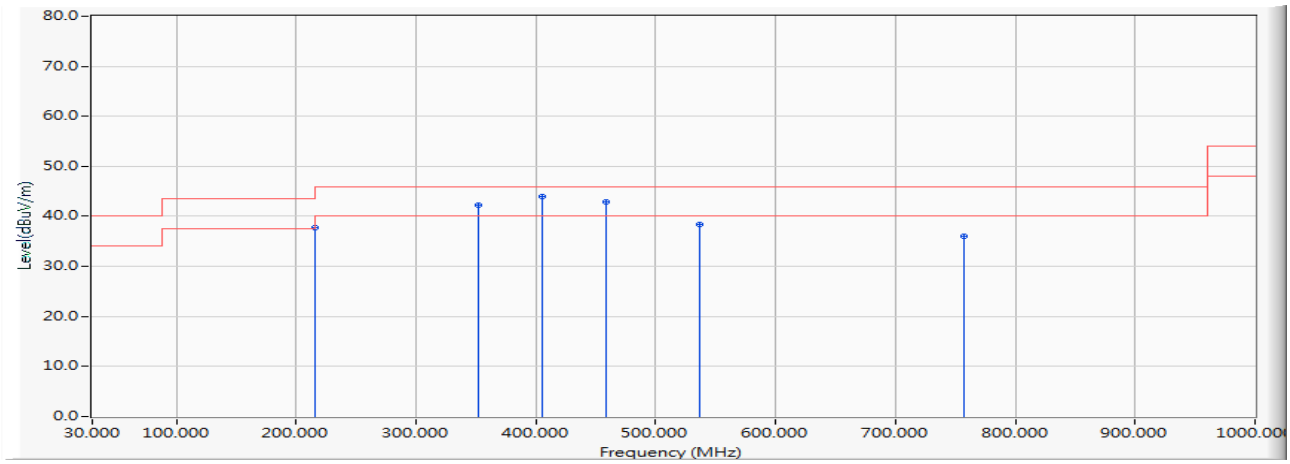
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		215.565	-18.132	53.805	35.673	-7.827	43.500	PEAK
2		247.899	-18.059	57.510	39.450	-6.550	46.000	PEAK
3		388.478	-12.729	51.777	39.048	-6.952	46.000	PEAK
4	*	458.768	-10.460	50.640	40.180	-5.820	46.000	PEAK
5		582.478	-7.391	47.110	39.719	-6.281	46.000	PEAK
6		810.217	-8.944	45.095	36.151	-9.849	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(5785MHz)

Vertical



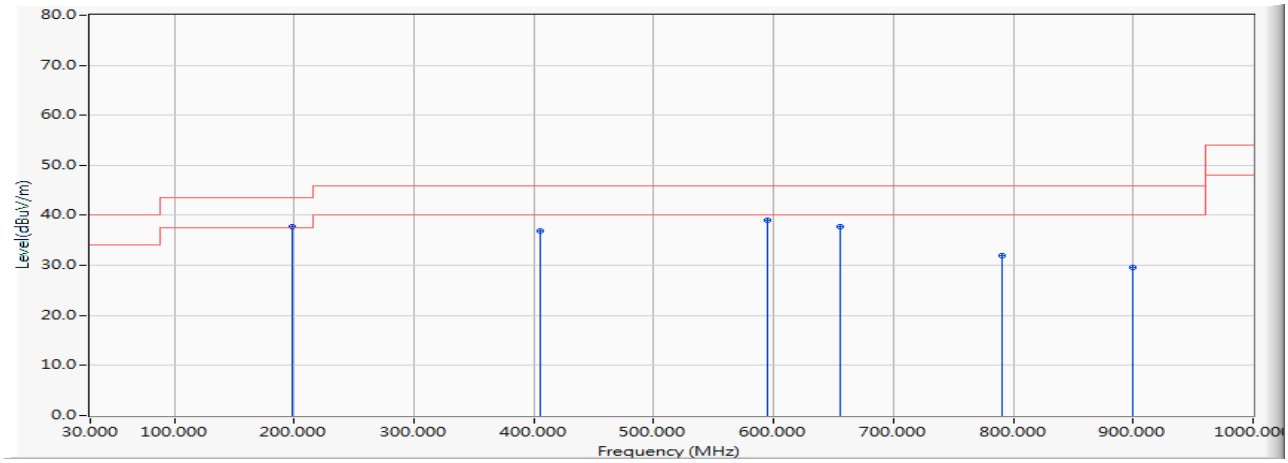
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		215.565	-18.132	55.927	37.795	-5.705	43.500	PEAK
2		351.928	-13.196	55.430	42.234	-3.766	46.000	PEAK
3	*	405.348	-13.330	57.292	43.962	-2.038	46.000	PEAK
4		458.768	-10.460	53.459	42.999	-3.001	46.000	PEAK
5		536.087	-11.356	49.763	38.407	-7.593	46.000	PEAK
6		756.797	-7.372	43.382	36.009	-9.991	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5220MHz)

Horizontal



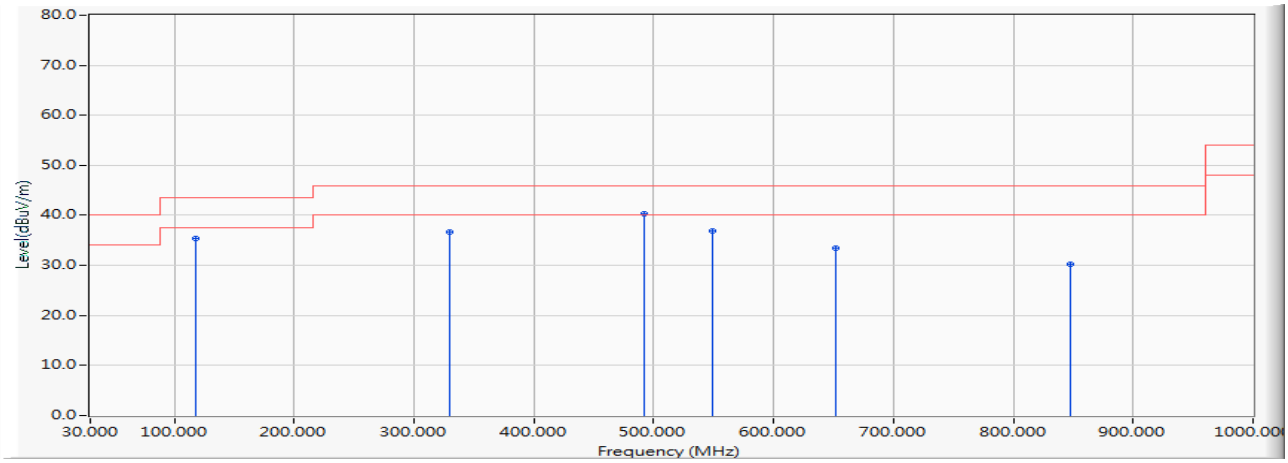
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	198.696	-18.217	56.071	37.853	-5.647	43.500	PEAK
2		405.348	-13.330	50.277	36.947	-9.053	46.000	PEAK
3		595.130	-6.823	45.874	39.051	-6.949	46.000	PEAK
4		655.580	-9.762	47.566	37.804	-8.196	46.000	PEAK
5		790.536	-8.753	40.800	32.047	-13.953	46.000	PEAK
6		900.188	-9.837	39.492	29.655	-16.345	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5220MHz)

Vertical



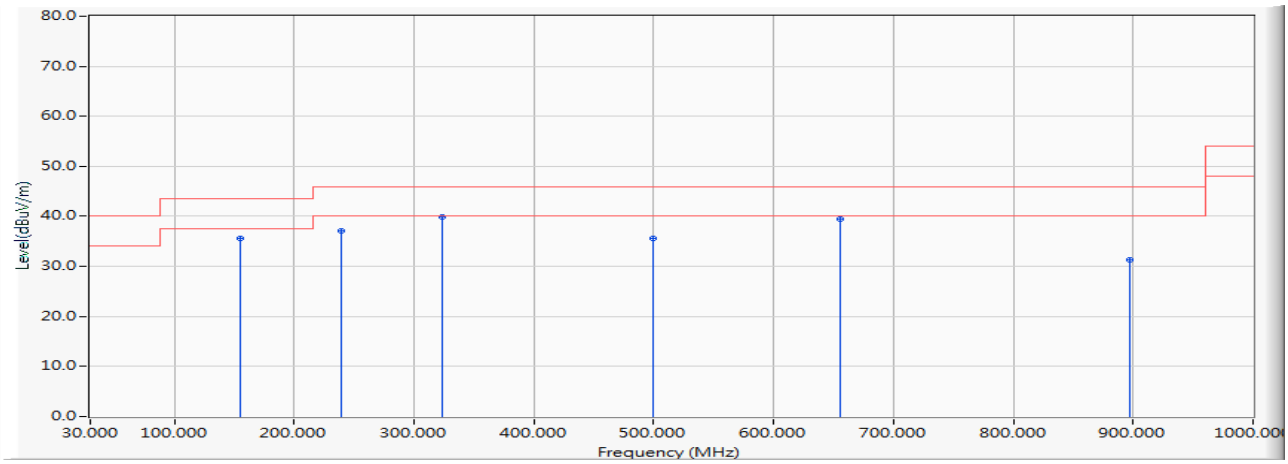
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		118.565	-16.901	52.356	35.454	-8.046	43.500	PEAK
2		329.435	-14.011	50.617	36.606	-9.394	46.000	PEAK
3	*	492.507	-11.335	51.678	40.343	-5.657	46.000	PEAK
4		548.739	-11.022	47.815	36.794	-9.206	46.000	PEAK
5		651.362	-9.465	43.021	33.555	-12.445	46.000	PEAK
6		848.174	-8.317	38.522	30.205	-15.795	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5300MHz)

Horizontal



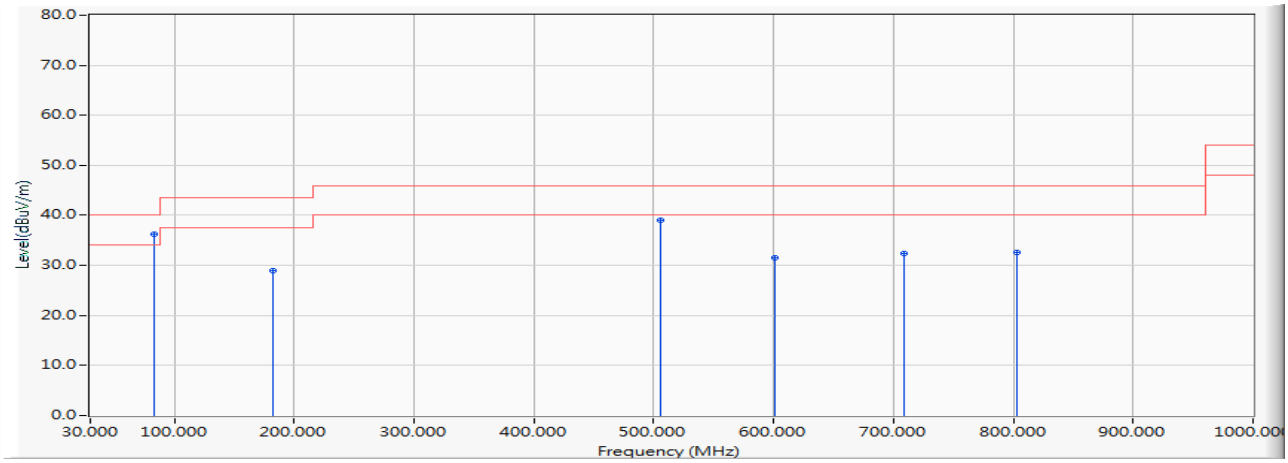
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		155.116	-20.307	55.815	35.508	-7.992	43.500	PEAK
2		239.464	-18.527	55.525	36.999	-9.001	46.000	PEAK
3	*	323.812	-14.026	53.920	39.894	-6.106	46.000	PEAK
4		499.536	-10.867	46.418	35.552	-10.448	46.000	PEAK
5		655.580	-9.762	49.300	39.538	-6.462	46.000	PEAK
6		897.377	-9.674	41.015	31.341	-14.659	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5300MHz)

Vertical



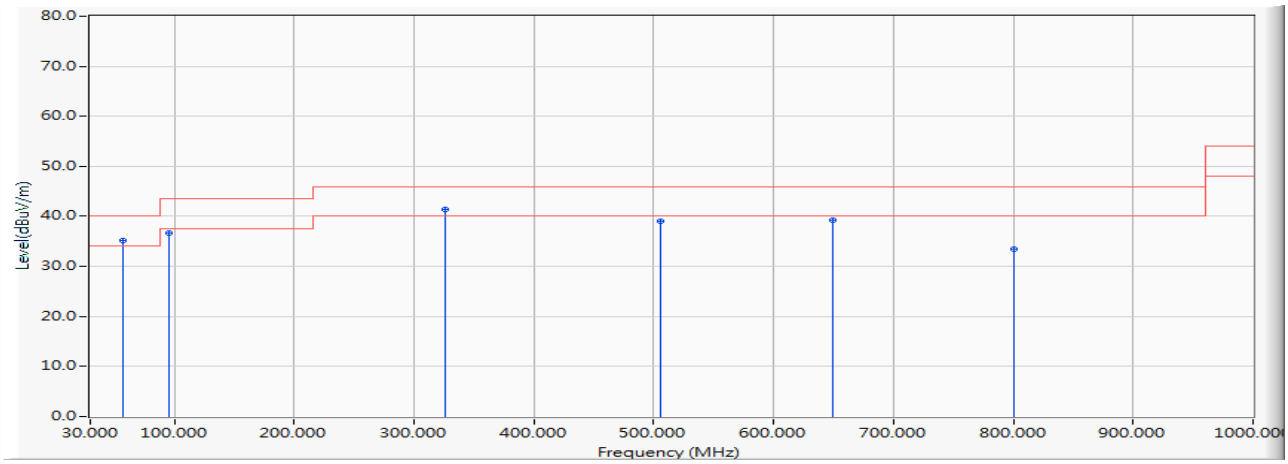
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	83.420	-18.673	54.929	36.256	-3.744	40.000	PEAK
2		181.826	-19.199	48.230	29.031	-14.469	43.500	PEAK
3		505.159	-10.946	50.072	39.126	-6.874	46.000	PEAK
4		600.754	-6.657	38.085	31.429	-14.571	46.000	PEAK
5		709.000	-9.069	41.513	32.444	-13.556	46.000	PEAK
6		803.188	-8.945	41.477	32.533	-13.467	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5580MHz)

Horizontal



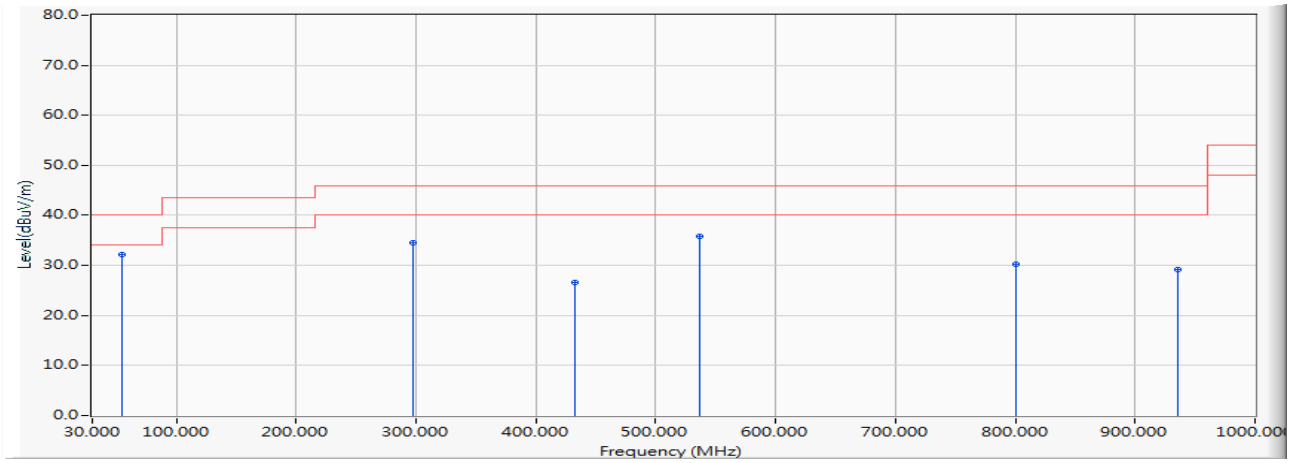
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		56.710	-18.204	53.387	35.183	-4.817	40.000	PEAK
2		96.072	-16.854	53.445	36.591	-6.909	43.500	PEAK
3	*	326.623	-14.018	55.473	41.456	-4.544	46.000	PEAK
4		505.159	-10.946	50.072	39.126	-6.874	46.000	PEAK
5		649.957	-9.372	48.591	39.220	-6.780	46.000	PEAK
6		800.377	-8.930	42.471	33.541	-12.459	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5580MHz)

Vertical



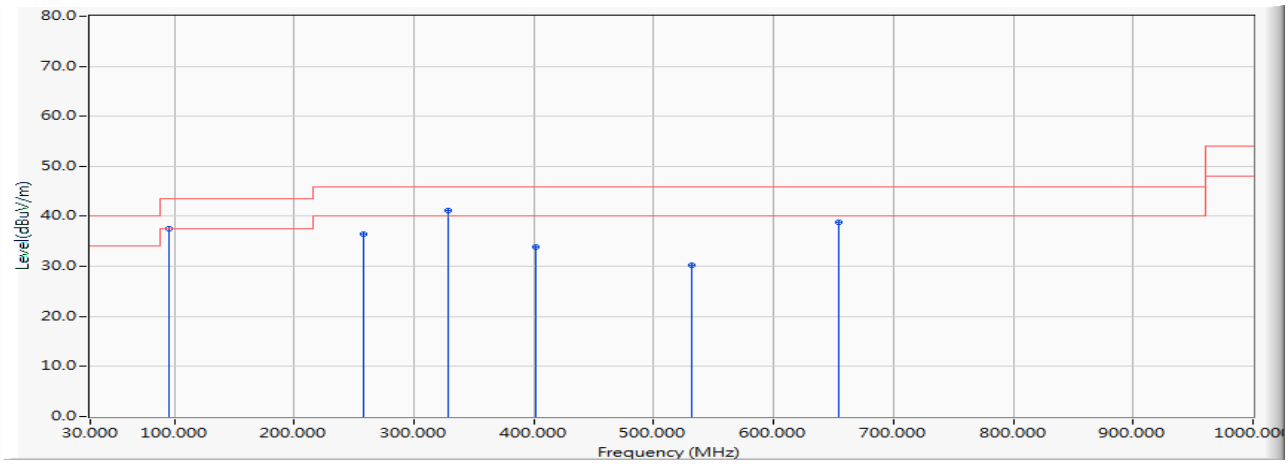
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	55.304	-17.700	49.942	32.242	-7.758	40.000	PEAK
2		297.101	-15.388	49.919	34.532	-11.468	46.000	PEAK
3		432.058	-10.761	37.421	26.660	-19.340	46.000	PEAK
4		536.087	-11.356	47.243	35.887	-10.113	46.000	PEAK
5		800.377	-8.930	39.163	30.233	-15.767	46.000	PEAK
6		935.333	-9.135	38.348	29.213	-16.787	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5720MHz)

Horizontal



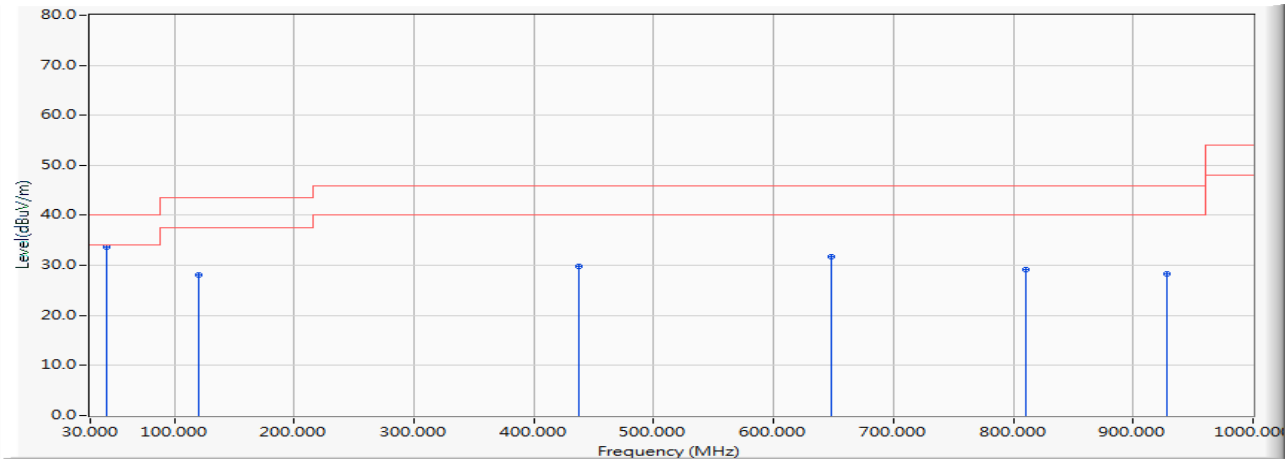
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		96.072	-16.854	54.409	37.555	-5.945	43.500	PEAK
2		257.739	-18.119	54.589	36.469	-9.531	46.000	PEAK
3	*	328.029	-14.014	55.135	41.120	-4.880	46.000	PEAK
4		401.130	-13.614	47.464	33.850	-12.150	46.000	PEAK
5		531.870	-11.326	41.517	30.190	-15.810	46.000	PEAK
6		654.174	-9.664	48.526	38.863	-7.137	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5720MHz)

Vertical



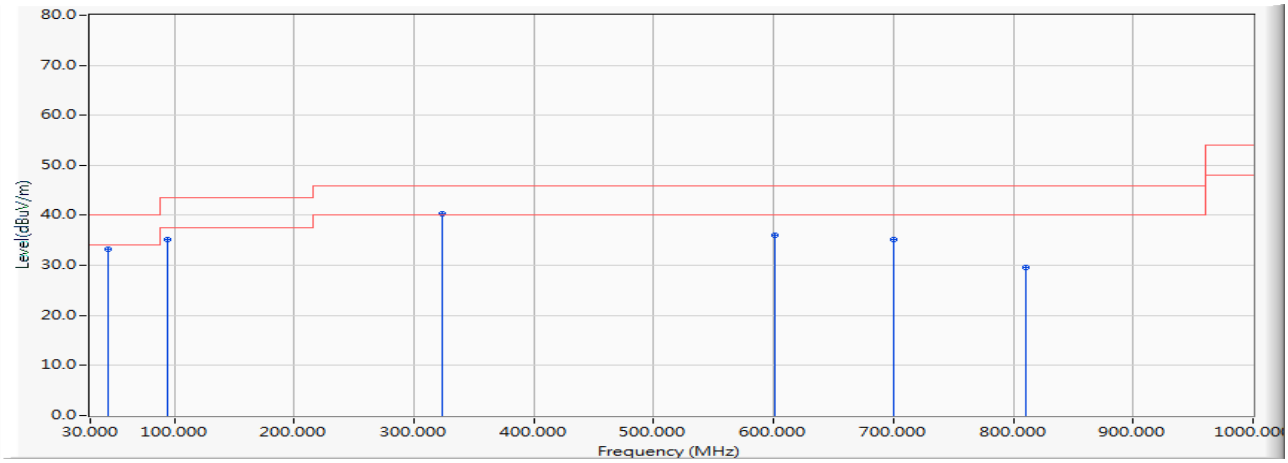
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	44.058	-18.279	51.973	33.695	-6.305	40.000	PEAK
2		119.971	-16.904	45.068	28.165	-15.335	43.500	PEAK
3		437.681	-10.051	39.775	29.724	-16.276	46.000	PEAK
4		648.551	-9.290	41.045	31.755	-14.245	46.000	PEAK
5		810.217	-8.944	38.203	29.259	-16.741	46.000	PEAK
6		928.304	-9.675	37.912	28.237	-17.763	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5785MHz)

Horizontal



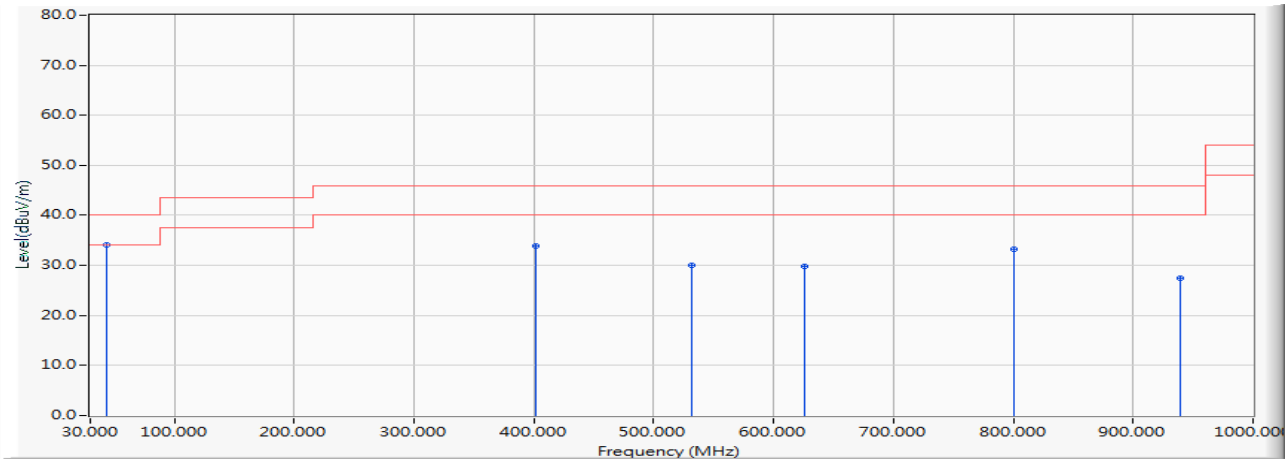
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		45.464	-18.197	51.515	33.318	-6.682	40.000	PEAK
2		94.667	-17.077	52.291	35.214	-8.286	43.500	PEAK
3	*	323.812	-14.026	54.295	40.269	-5.731	46.000	PEAK
4		600.754	-6.657	42.699	36.043	-9.957	46.000	PEAK
5		700.565	-9.152	44.386	35.234	-10.766	46.000	PEAK
6		810.217	-8.944	38.493	29.549	-16.451	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/11/01
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5785MHz)

Vertical



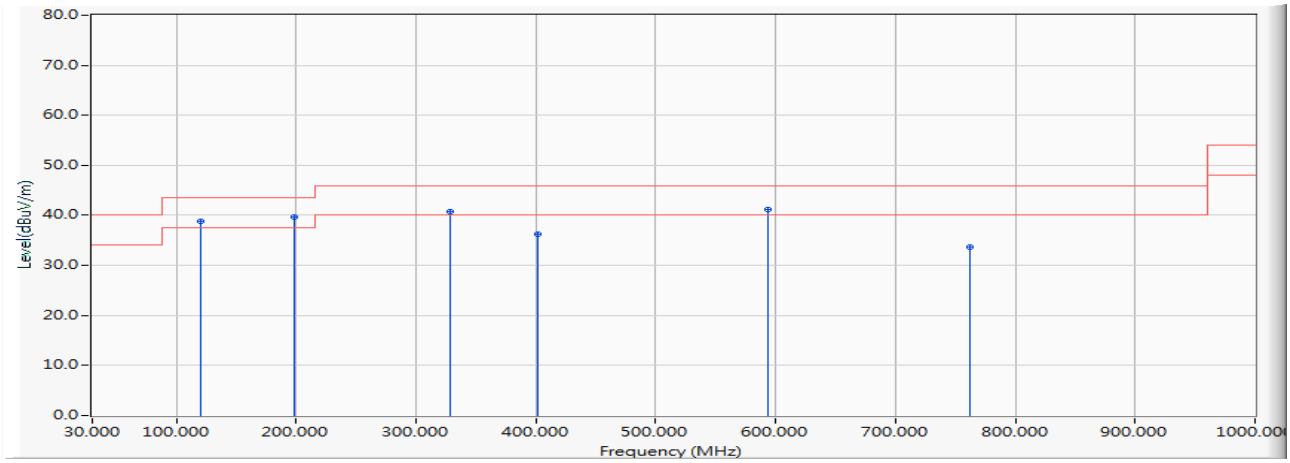
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	44.058	-18.279	52.367	34.089	-5.911	40.000	PEAK
2		401.130	-13.614	47.464	33.850	-12.150	46.000	PEAK
3		531.870	-11.326	41.278	29.951	-16.049	46.000	PEAK
4		626.058	-8.324	38.180	29.856	-16.144	46.000	PEAK
5		800.377	-8.930	42.274	33.344	-12.656	46.000	PEAK
6		939.551	-8.833	36.220	27.387	-18.613	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5230MHz)

Horizontal



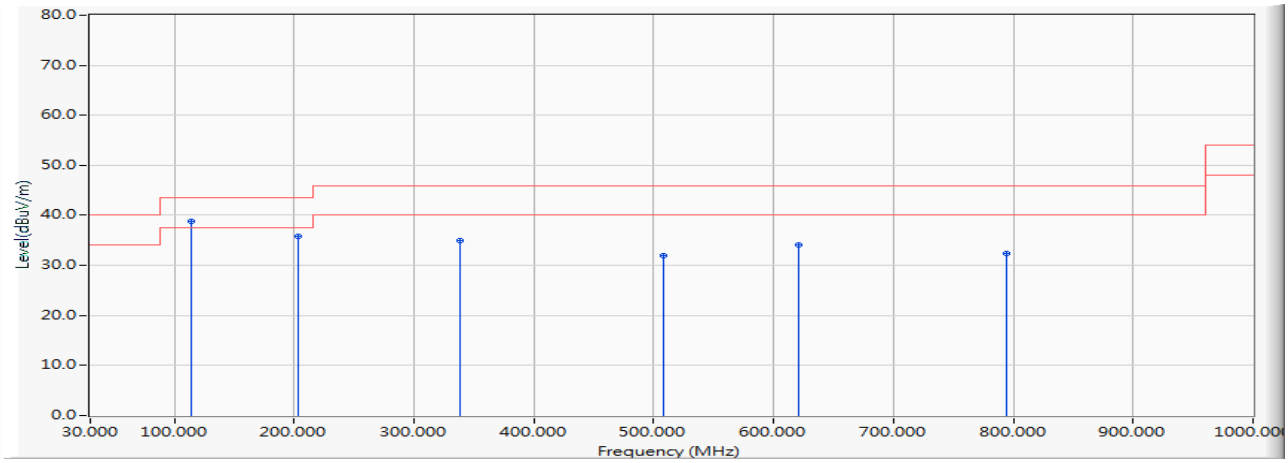
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		119.971	-16.904	55.765	38.862	-4.638	43.500	PEAK
2	*	198.696	-18.217	57.877	39.659	-3.841	43.500	PEAK
3		328.029	-14.014	54.736	40.721	-5.279	46.000	PEAK
4		401.130	-13.614	49.785	36.171	-9.829	46.000	PEAK
5		593.725	-6.884	48.122	41.238	-4.762	46.000	PEAK
6		762.420	-7.844	41.436	33.592	-12.408	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5230MHz)

Vertical



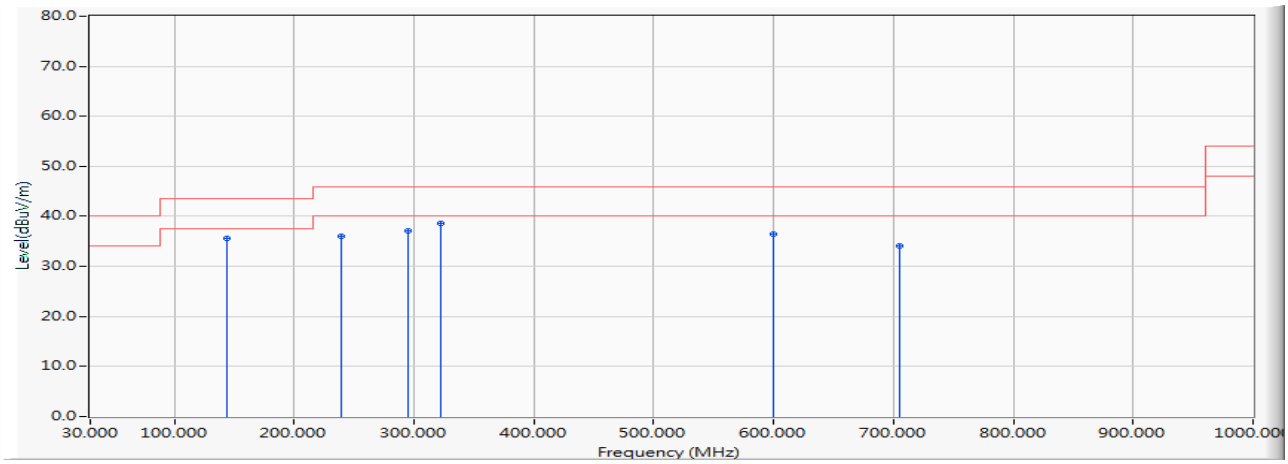
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	114.348	-16.854	55.766	38.912	-4.588	43.500	PEAK
2		202.913	-18.158	53.883	35.725	-7.775	43.500	PEAK
3		337.870	-13.971	48.850	34.878	-11.122	46.000	PEAK
4		507.971	-11.004	43.057	32.053	-13.947	46.000	PEAK
5		620.435	-8.099	42.166	34.067	-11.933	46.000	PEAK
6		794.754	-8.829	41.114	32.285	-13.715	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)

Horizontal



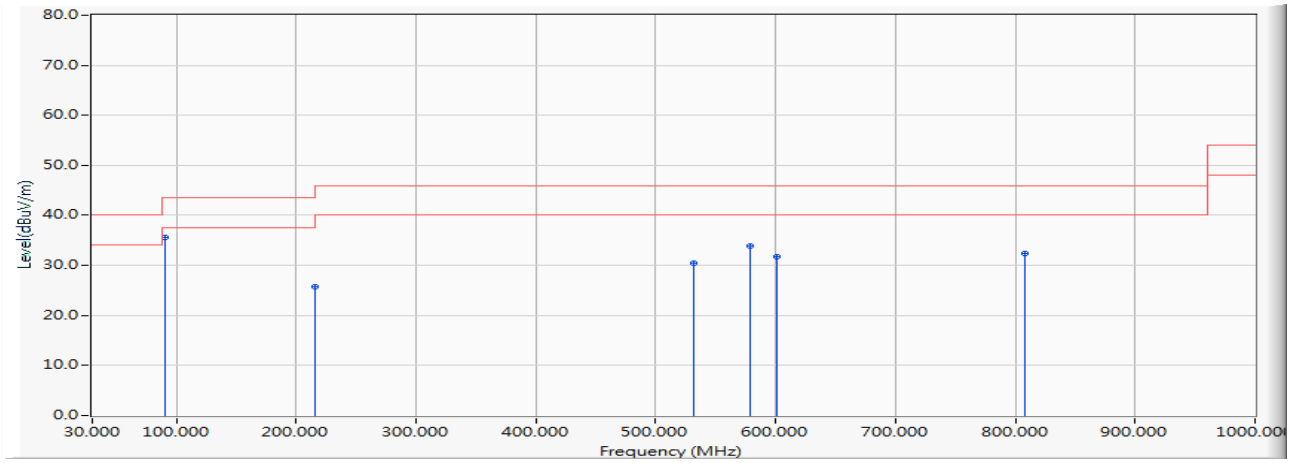
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		143.870	-18.476	54.145	35.669	-7.831	43.500	PEAK
2		239.464	-18.527	54.638	36.112	-9.888	46.000	PEAK
3		295.696	-15.718	52.819	37.100	-8.900	46.000	PEAK
4	*	322.406	-14.031	52.712	38.681	-7.319	46.000	PEAK
5		599.348	-6.631	43.035	36.404	-9.596	46.000	PEAK
6		704.783	-9.122	43.329	34.207	-11.793	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)

Vertical



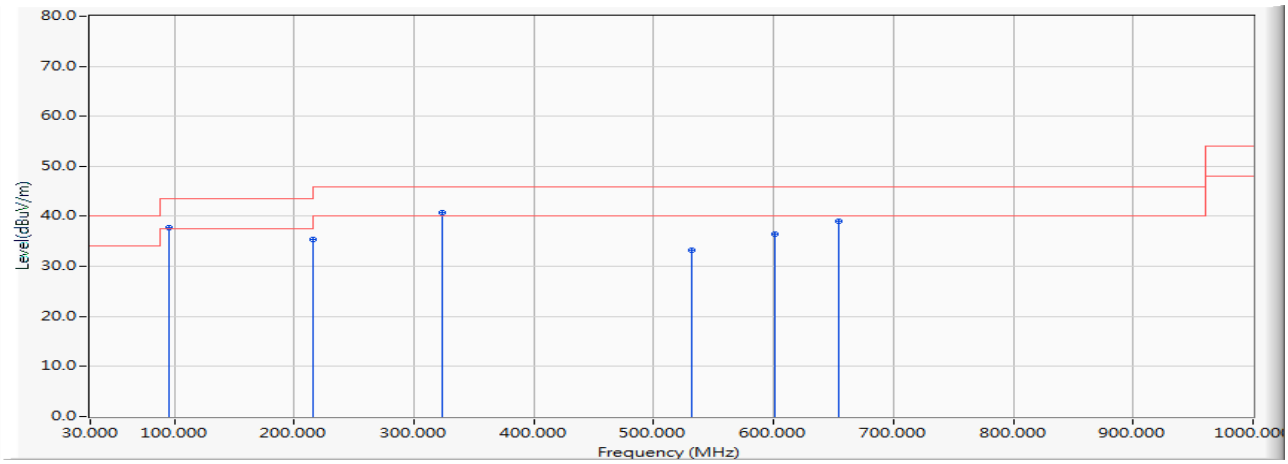
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	90.449	-17.045	52.617	35.572	-7.928	43.500	PEAK
2		215.565	-18.132	43.804	25.672	-17.828	43.500	PEAK
3		531.870	-11.326	41.694	30.367	-15.633	46.000	PEAK
4		578.261	-7.764	41.624	33.860	-12.140	46.000	PEAK
5		600.754	-6.657	38.292	31.636	-14.364	46.000	PEAK
6		807.406	-8.951	41.238	32.287	-13.713	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5550MHz)

Horizontal



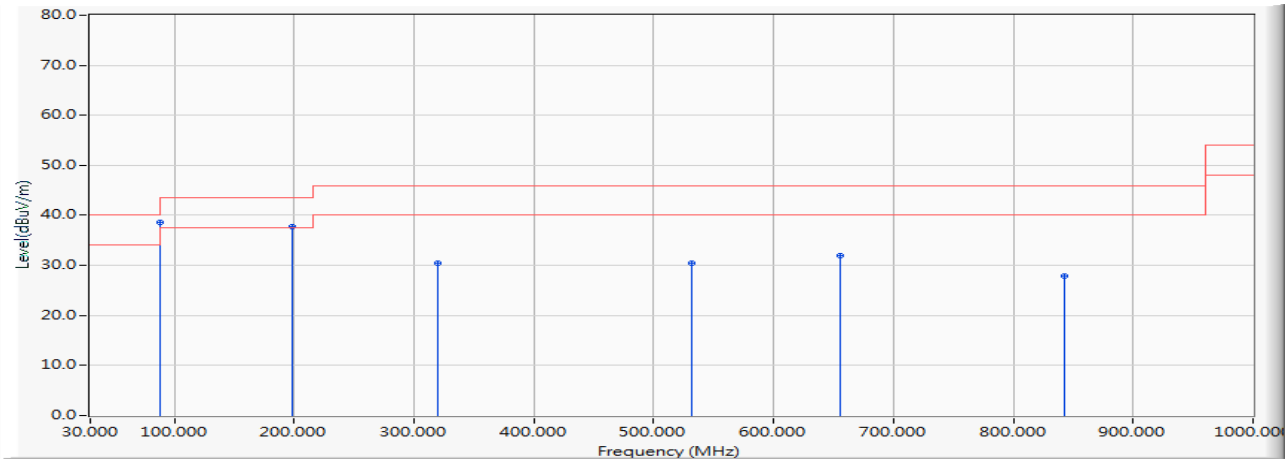
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		96.072	-16.854	54.552	37.698	-5.802	43.500	PEAK
2		215.565	-18.132	53.542	35.410	-8.090	43.500	PEAK
3	*	323.812	-14.026	54.768	40.742	-5.258	46.000	PEAK
4		531.870	-11.326	44.558	33.231	-12.769	46.000	PEAK
5		600.754	-6.657	43.081	36.425	-9.575	46.000	PEAK
6		654.174	-9.664	48.627	38.964	-7.036	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5550MHz)

Vertical



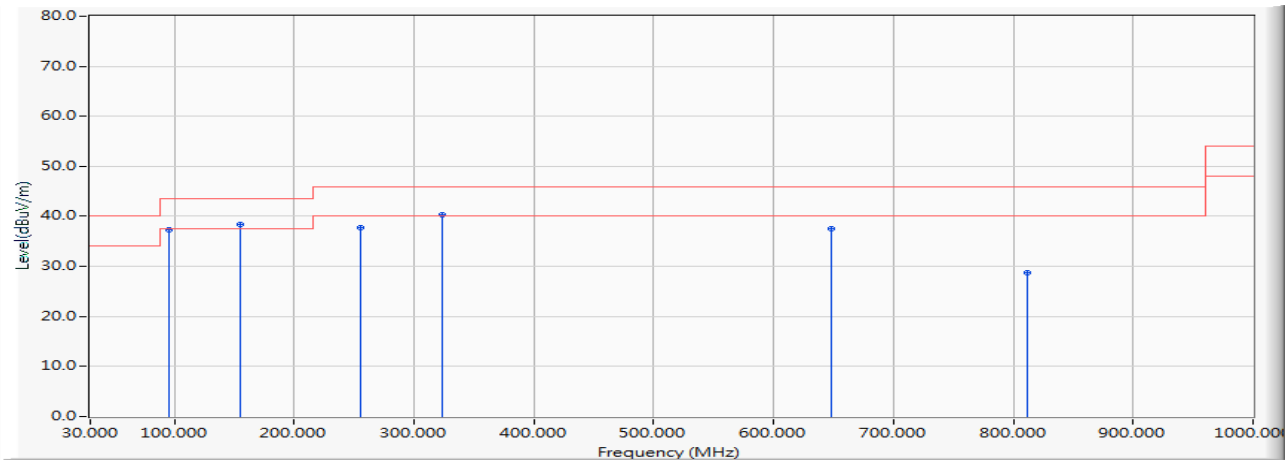
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	87.638	-17.681	56.185	38.504	-1.496	40.000	PEAK
2		198.696	-18.217	55.920	37.702	-5.798	43.500	PEAK
3		319.594	-14.053	44.563	30.511	-15.489	46.000	PEAK
4		531.870	-11.326	41.801	30.474	-15.526	46.000	PEAK
5		655.580	-9.762	41.691	31.929	-14.071	46.000	PEAK
6		842.551	-8.336	36.128	27.792	-18.208	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5710MHz)

Horizontal



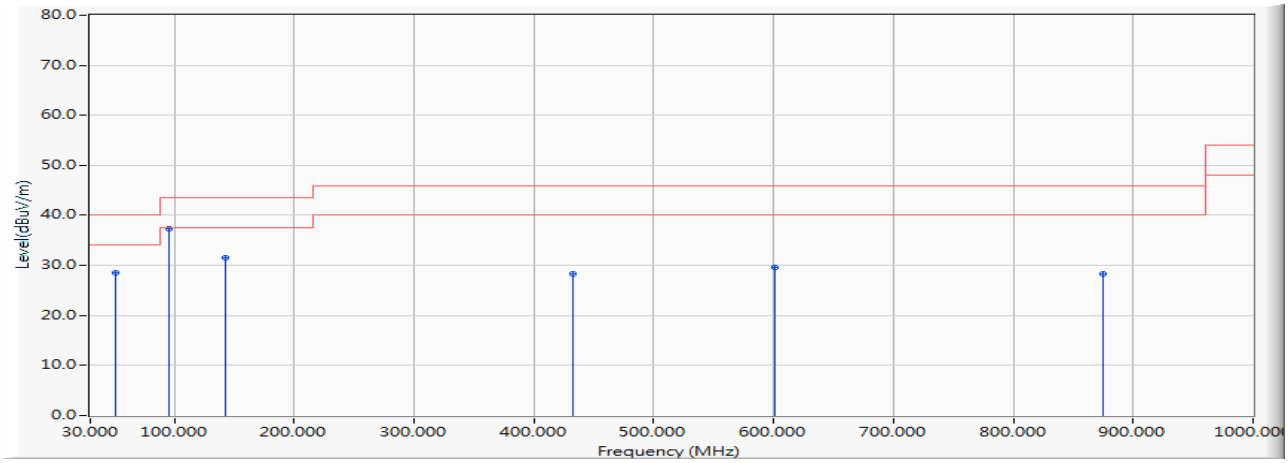
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		96.072	-16.854	54.180	37.326	-6.174	43.500	PEAK
2	*	155.116	-20.307	58.754	38.447	-5.053	43.500	PEAK
3		254.928	-18.062	55.852	37.789	-8.211	46.000	PEAK
4		323.812	-14.026	54.419	40.393	-5.607	46.000	PEAK
5		648.551	-9.290	46.803	37.513	-8.487	46.000	PEAK
6		811.623	-8.953	37.771	28.818	-17.182	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5710MHz)

Vertical



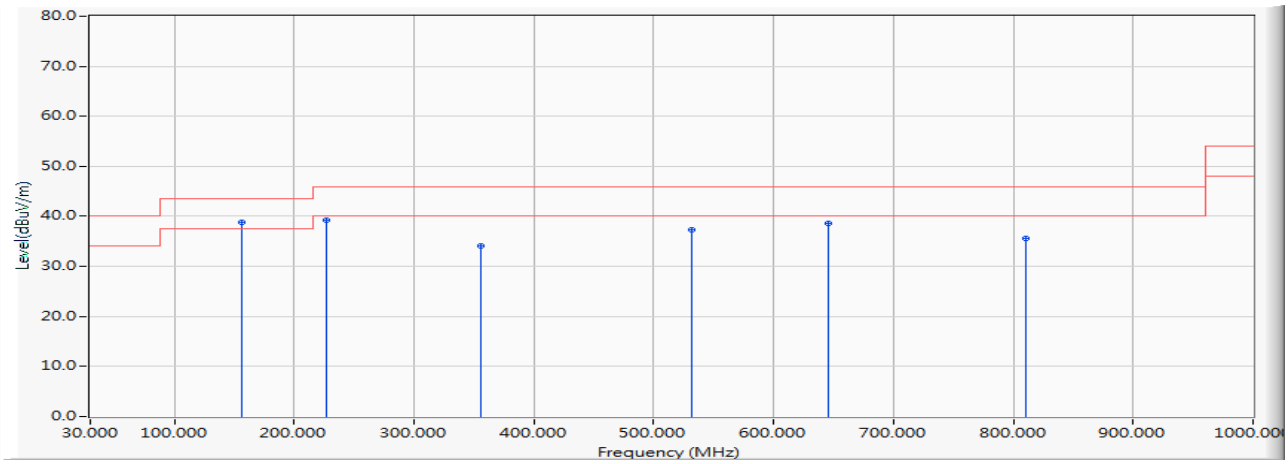
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		51.087	-17.894	46.485	28.591	-11.409	40.000	PEAK
2	*	96.072	-16.854	54.137	37.283	-6.217	43.500	PEAK
3		142.464	-18.164	49.620	31.455	-12.045	43.500	PEAK
4		432.058	-10.761	39.064	28.303	-17.697	46.000	PEAK
5		600.754	-6.657	36.156	29.500	-16.500	46.000	PEAK
6		874.884	-8.407	36.744	28.337	-17.663	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)

Horizontal



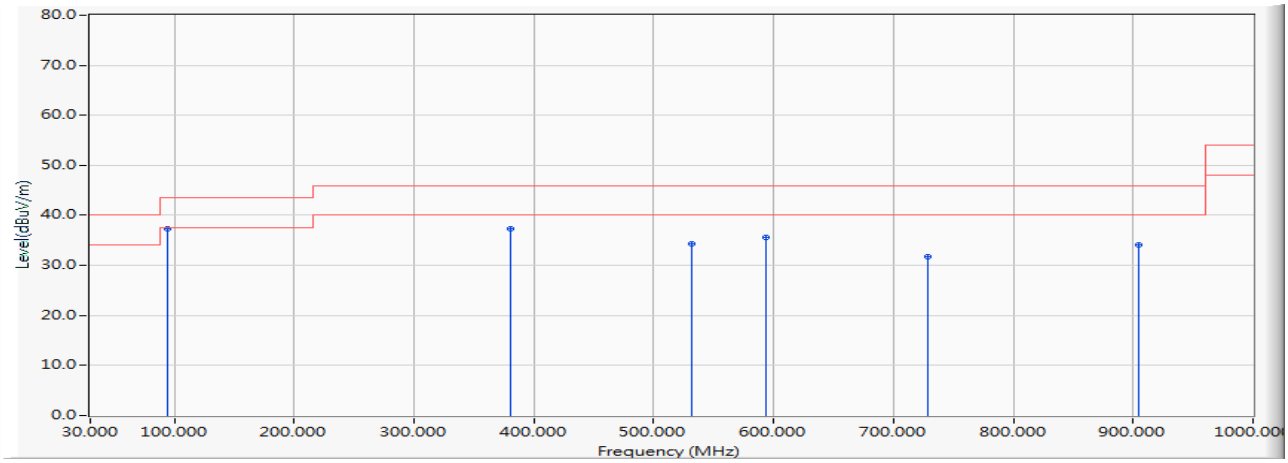
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	156.522	-20.436	59.168	38.732	-4.768	43.500	PEAK
2		226.812	-17.741	56.932	39.190	-6.810	46.000	PEAK
3		356.145	-12.940	47.115	34.175	-11.825	46.000	PEAK
4		531.870	-11.326	48.575	37.248	-8.752	46.000	PEAK
5		645.739	-9.135	47.777	38.643	-7.357	46.000	PEAK
6		810.217	-8.944	44.602	35.658	-10.342	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)

Vertical



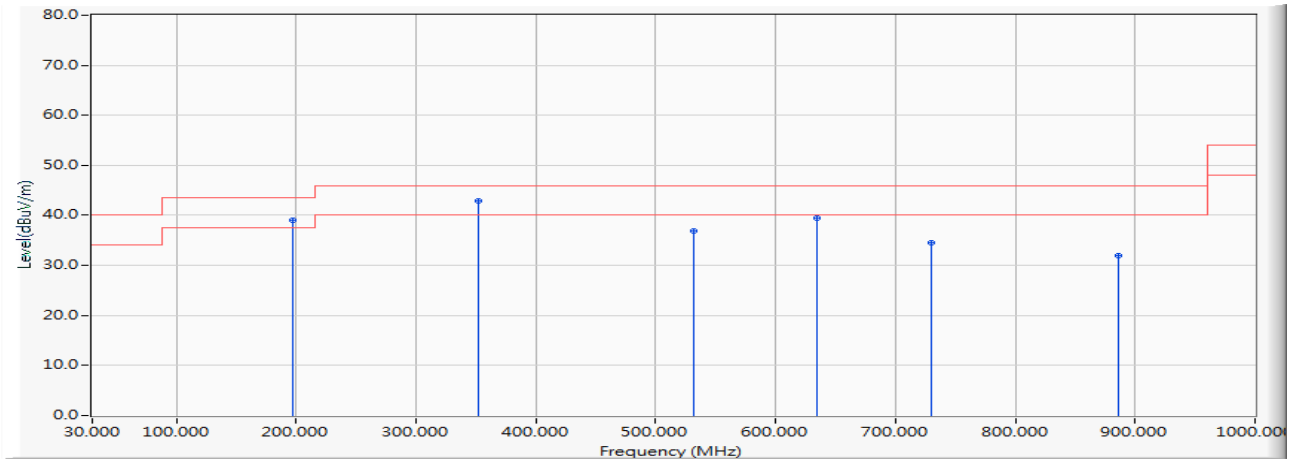
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	94.667	-17.077	54.301	37.224	-6.276	43.500	PEAK
2		380.043	-12.042	49.363	37.321	-8.679	46.000	PEAK
3		531.870	-11.326	45.709	34.382	-11.618	46.000	PEAK
4		593.725	-6.884	42.485	35.601	-10.399	46.000	PEAK
5		728.681	-7.463	39.168	31.705	-14.295	46.000	PEAK
6		904.406	-9.934	44.116	34.183	-11.817	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5210MHz)

Horizontal



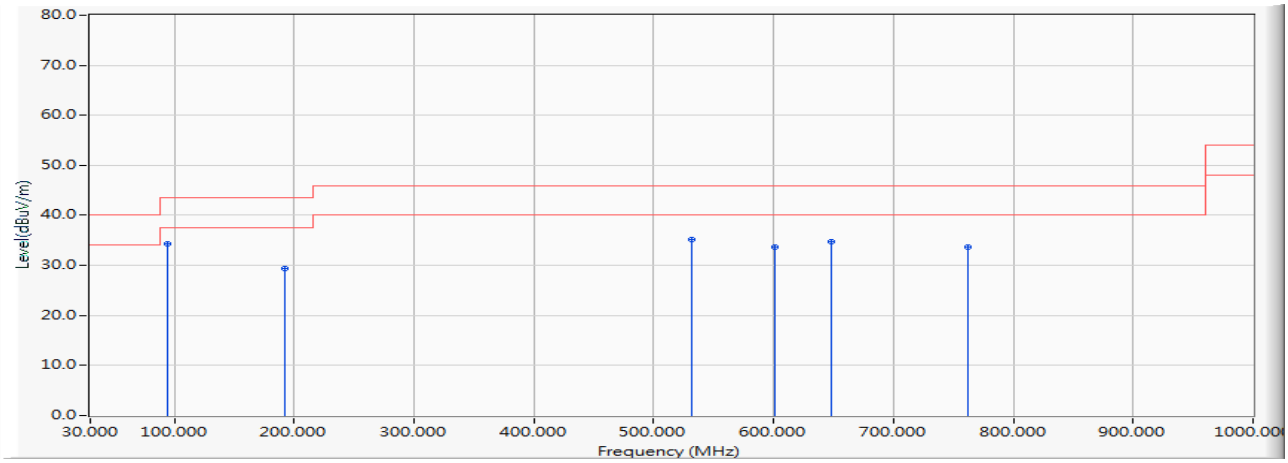
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		197.290	-18.305	57.306	39.001	-4.499	43.500	PEAK
2	*	351.928	-13.196	56.182	42.986	-3.014	46.000	PEAK
3		531.870	-11.326	48.117	36.790	-9.210	46.000	PEAK
4		634.493	-8.631	48.096	39.465	-6.535	46.000	PEAK
5		730.087	-7.221	41.736	34.516	-11.484	46.000	PEAK
6		886.130	-8.834	40.831	31.998	-14.002	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5210MHz)

Vertical



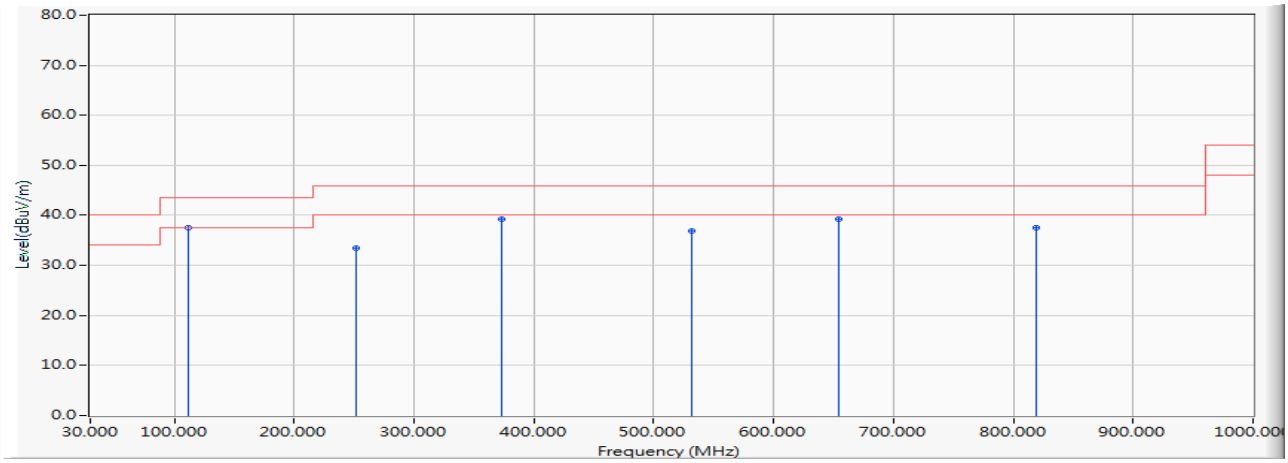
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	94.667	-17.077	51.360	34.283	-9.217	43.500	PEAK
2		191.667	-18.644	47.961	29.317	-14.183	43.500	PEAK
3		531.870	-11.326	46.562	35.235	-10.765	46.000	PEAK
4		600.754	-6.657	40.290	33.634	-12.366	46.000	PEAK
5		648.551	-9.290	43.931	34.641	-11.359	46.000	PEAK
6		762.420	-7.844	41.512	33.668	-12.332	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5290MHz)

Horizontal



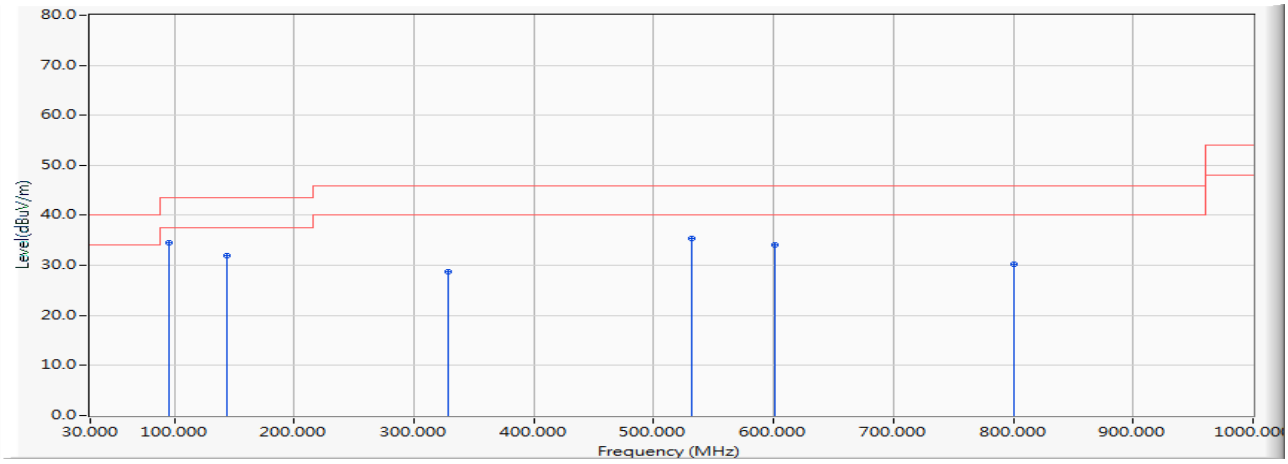
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	111.536	-16.821	54.362	37.541	-5.959	43.500	PEAK
2		252.116	-17.982	51.517	33.535	-12.465	46.000	PEAK
3		373.014	-12.268	51.440	39.173	-6.827	46.000	PEAK
4		531.870	-11.326	48.189	36.862	-9.138	46.000	PEAK
5		654.174	-9.664	48.840	39.177	-6.823	46.000	PEAK
6		818.652	-9.029	46.543	37.514	-8.486	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5290MHz)

Vertical



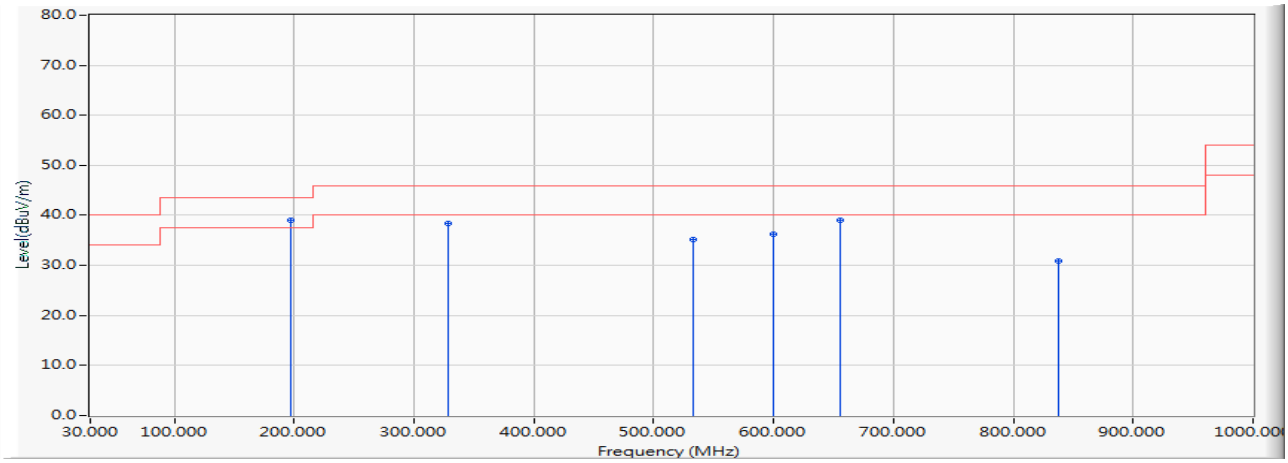
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	96.072	-16.854	51.363	34.509	-8.991	43.500	PEAK
2		143.870	-18.476	50.364	31.888	-11.612	43.500	PEAK
3		328.029	-14.014	42.755	28.740	-17.260	46.000	PEAK
4		531.870	-11.326	46.612	35.285	-10.715	46.000	PEAK
5		600.754	-6.657	40.759	34.103	-11.897	46.000	PEAK
6		800.377	-8.930	39.160	30.230	-15.770	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5530MHz)

Horizontal



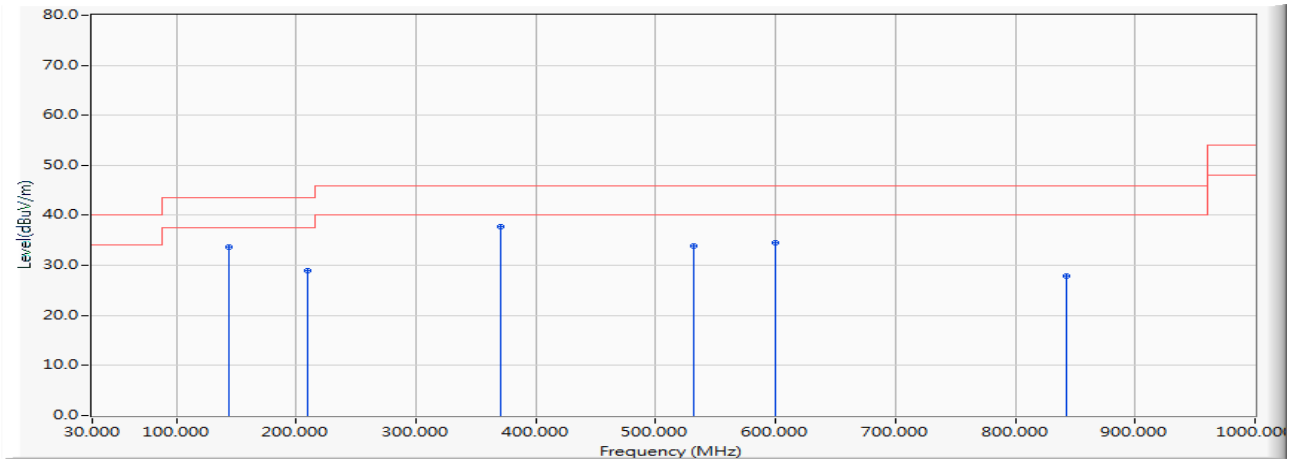
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	197.290	-18.305	57.334	39.029	-4.471	43.500	PEAK
2		328.029	-14.014	52.448	38.433	-7.567	46.000	PEAK
3		533.275	-11.335	46.463	35.128	-10.872	46.000	PEAK
4		599.348	-6.631	42.961	36.330	-9.670	46.000	PEAK
5		655.580	-9.762	48.791	39.029	-6.971	46.000	PEAK
6		838.333	-8.439	39.282	30.843	-15.157	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5530MHz)

Vertical



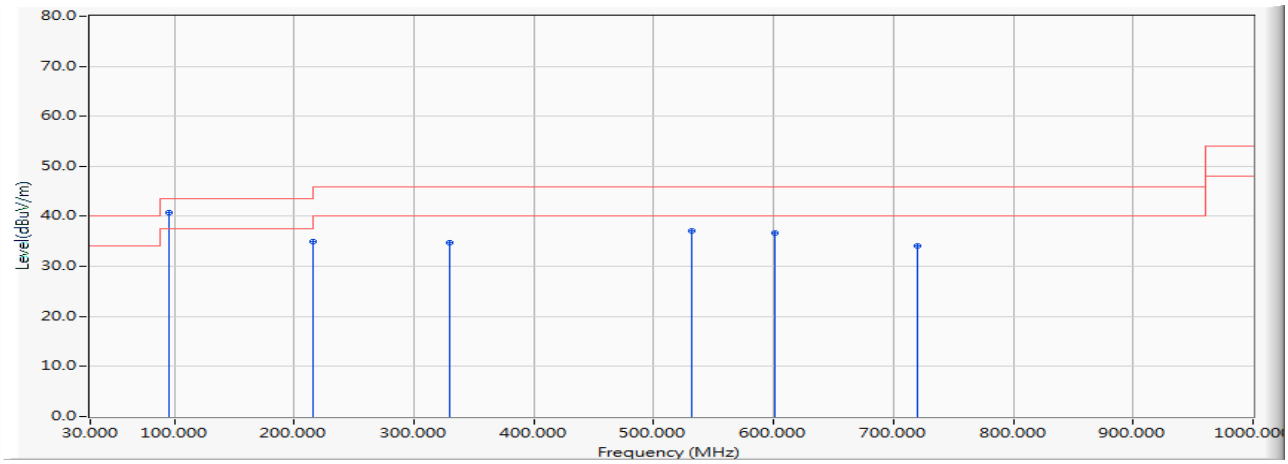
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		143.870	-18.476	52.142	33.666	-9.834	43.500	PEAK
2		209.942	-18.213	47.118	28.905	-14.595	43.500	PEAK
3	*	370.203	-12.363	50.208	37.844	-8.156	46.000	PEAK
4		531.870	-11.326	45.224	33.897	-12.103	46.000	PEAK
5		599.348	-6.631	41.163	34.532	-11.468	46.000	PEAK
6		842.551	-8.336	36.255	27.919	-18.081	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5775MHz)

Horizontal



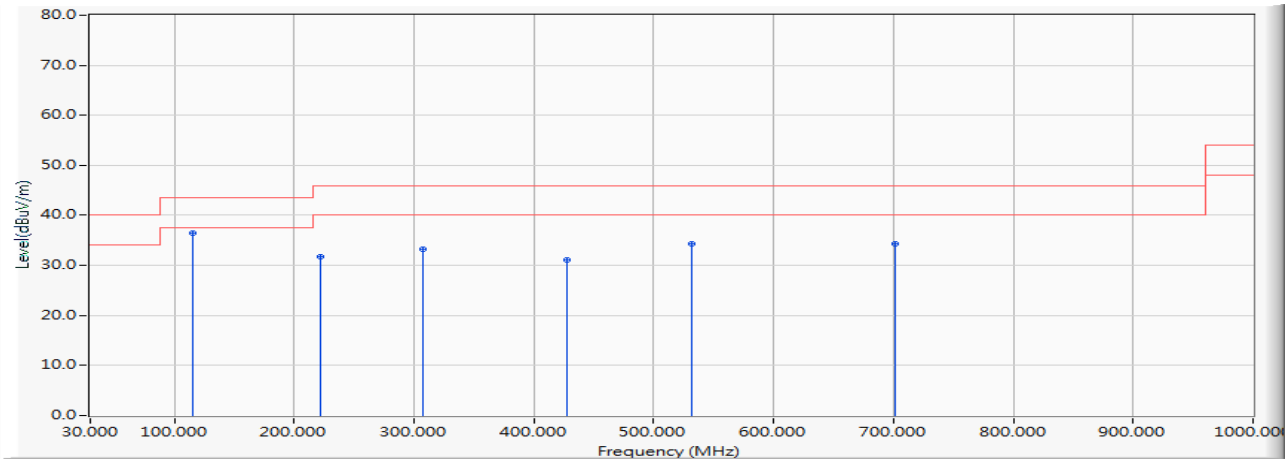
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	96.072	-16.854	57.614	40.760	-2.740	43.500	PEAK
2		215.565	-18.132	52.986	34.854	-8.646	43.500	PEAK
3		329.435	-14.011	48.852	34.841	-11.159	46.000	PEAK
4		531.870	-11.326	48.395	37.068	-8.932	46.000	PEAK
5		600.754	-6.657	43.337	36.681	-9.319	46.000	PEAK
6		720.246	-8.883	42.900	34.018	-11.982	46.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 23.1 inches Bar type Digital Signage
Test Item : General Radiated Emission
Test Date : 2019/09/21
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)(5775MHz)

Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	115.754	-16.870	53.375	36.505	-6.995	43.500	PEAK
2		222.594	-17.945	49.594	31.648	-14.352	46.000	PEAK
3		306.942	-14.476	47.695	33.220	-12.780	46.000	PEAK
4		427.841	-11.306	42.508	31.202	-14.798	46.000	PEAK
5		531.870	-11.326	45.722	34.395	-11.605	46.000	PEAK
6		701.971	-9.140	43.436	34.297	-11.703	46.000	PEAK

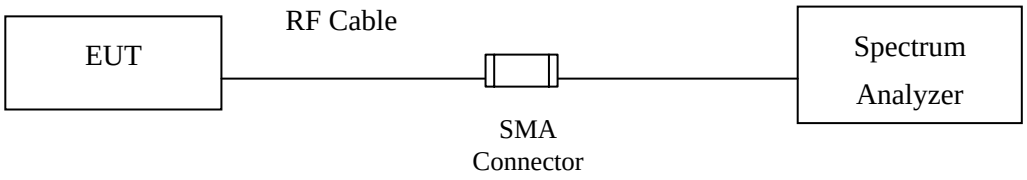
Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

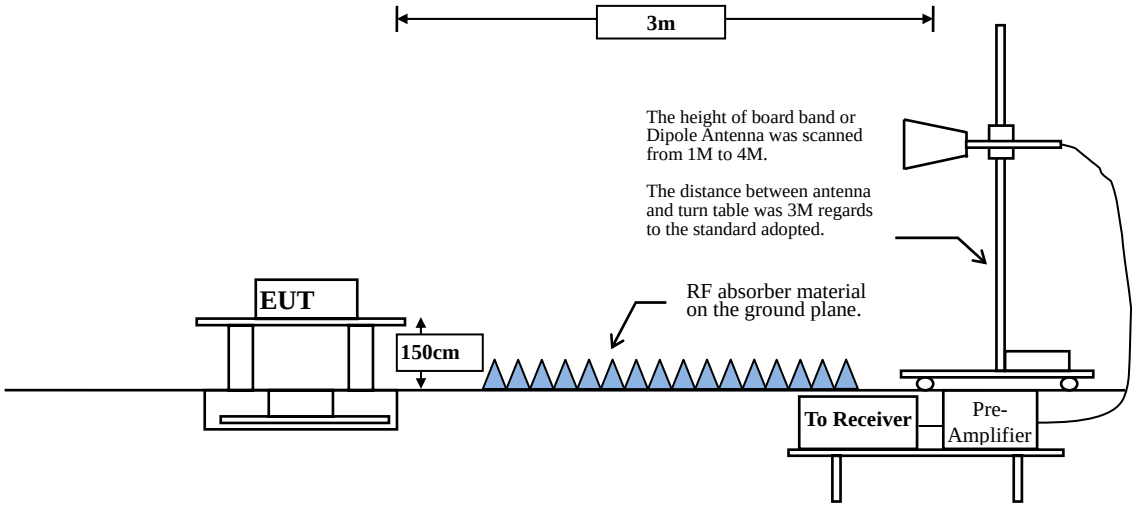
6. Band Edge

6.1. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



6.2. 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	dBμV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBμV) = 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.

6.3. Test Procedure

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

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW ≥ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

VBW ≥ 1/T, when duty cycle < 98 %

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	96.37	1.3855	722	1000
802.11n20	96.24	1.3004	769	1000
802.11n40	89.18	0.6126	1632	2000
802.11ac20	97.13	1.3157	760	1000
802.11ac40	93.45	0.6552	1526	2000
802.11ac80	79.98	0.2917	3428	5000

Note: Duty Cycle Refer to Section 8

6.4. Uncertainty

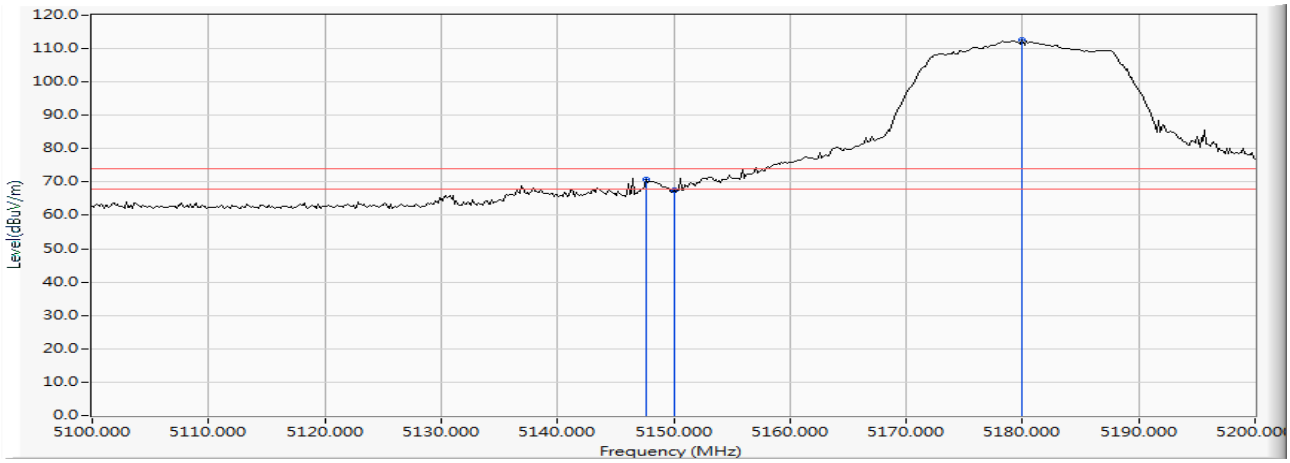
± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

6.5. Test Result of Band Edge

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (5180MHz)

Horizontal



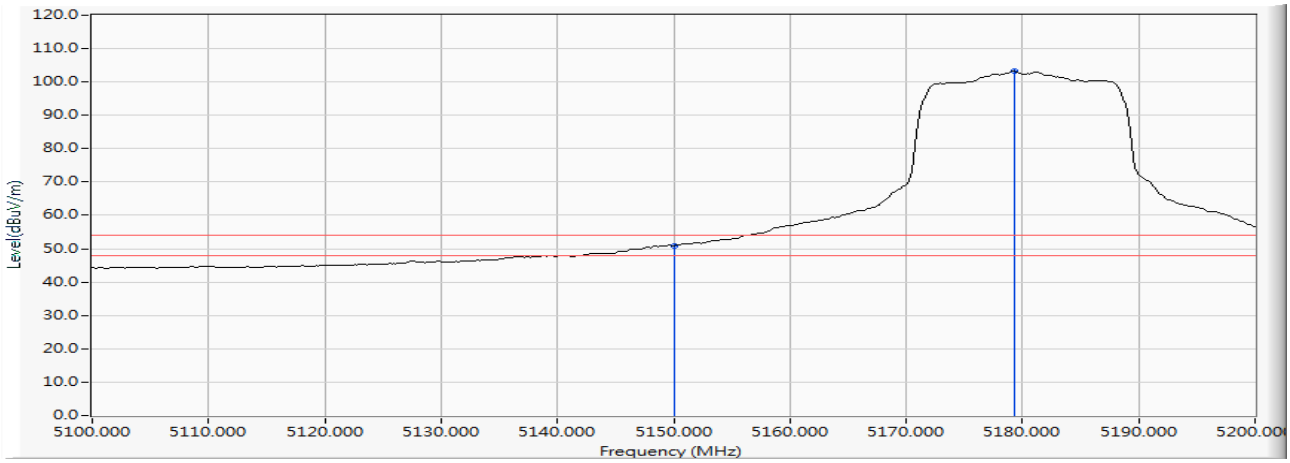
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5147.681	18.582	52.187	70.768	-3.232	74.000	PEAK
2		5150.000	18.569	49.055	67.625	-6.375	74.000	PEAK
3	*	5180.000	18.415	94.058	112.472	38.472	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (5180MHz)

Horizontal



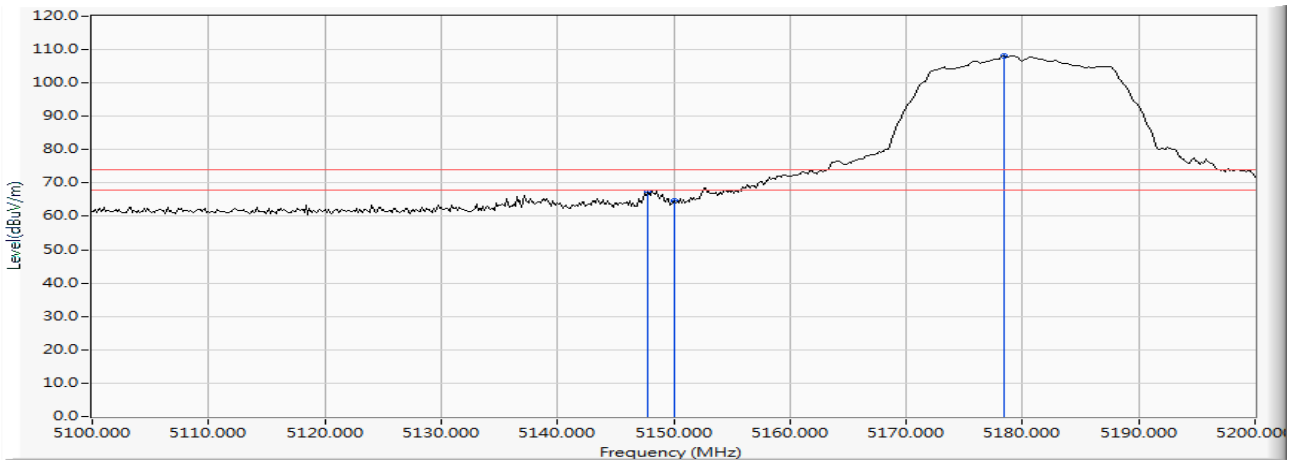
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	32.397	50.967	-3.033	54.000	AVERAGE
2	*	5179.275	18.419	84.709	103.127	49.127	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (5180MHz)

Vertical



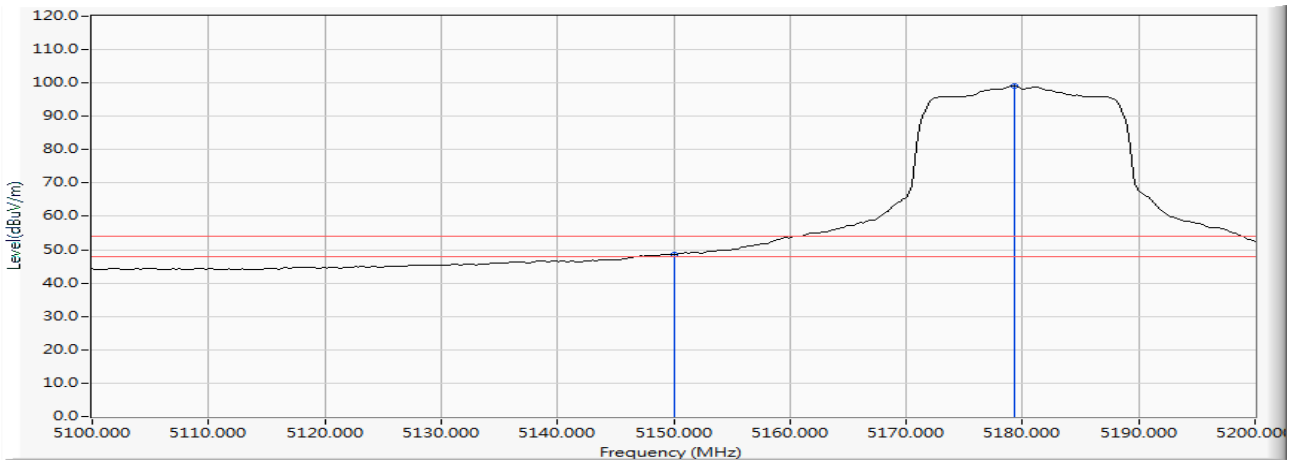
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5147.826	18.580	48.780	67.360	-6.640	74.000	PEAK
2		5150.000	18.569	46.133	64.703	-9.297	74.000	PEAK
3	*	5178.406	18.424	89.635	108.058	34.058	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (5180MHz)

Vertical



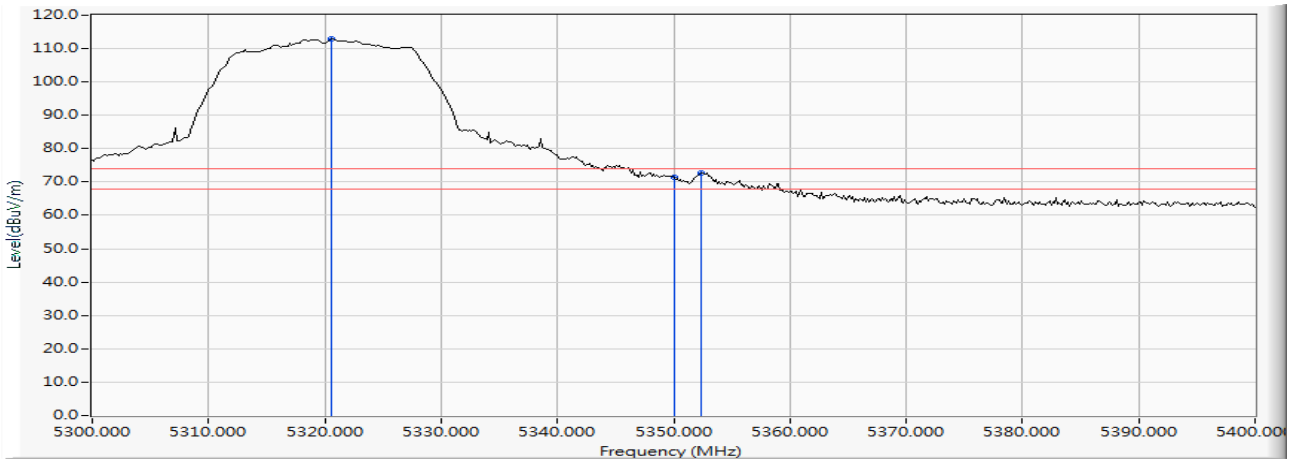
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	30.135	48.705	-5.295	54.000	AVERAGE
2	*	5179.275	18.419	80.654	99.072	45.072	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

Horizontal



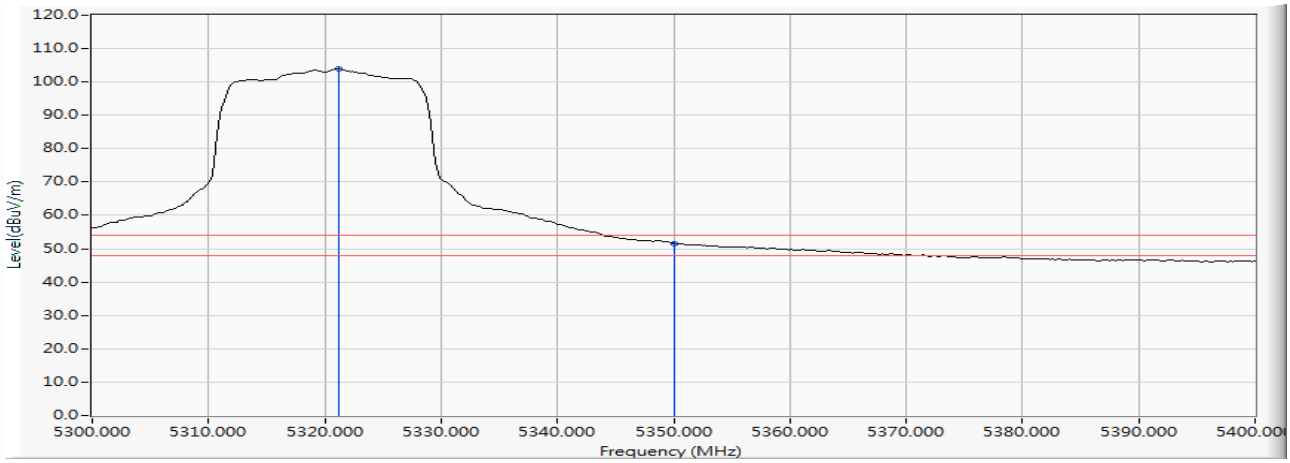
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5320.580	18.626	94.182	112.808	38.808	74.000	PEAK
2		5350.000	18.823	52.465	71.288	-2.712	74.000	PEAK
3		5352.319	18.837	53.922	72.759	-1.241	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

Horizontal



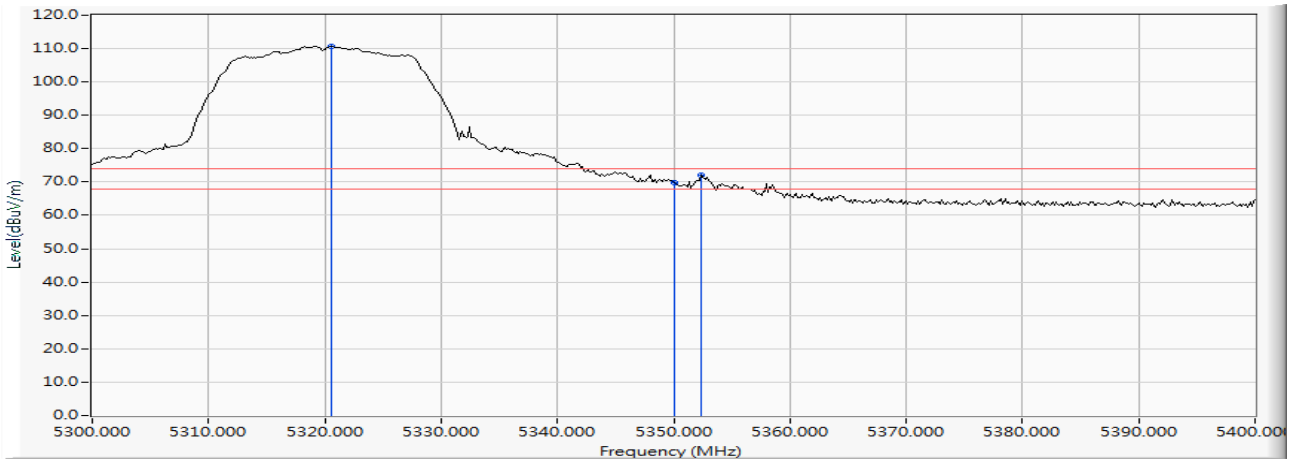
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5321.159	18.630	85.273	103.903	49.903	54.000	AVERAGE
2		5350.000	18.823	32.785	51.608	-2.392	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

Vertical



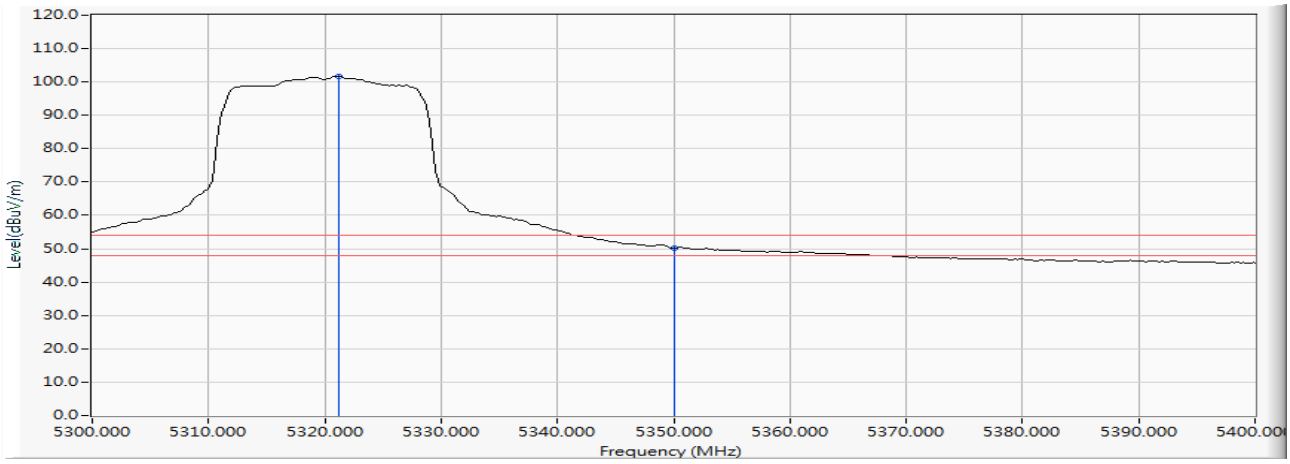
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5320.580	18.626	92.068	110.694	36.694	74.000	PEAK
2		5350.000	18.823	50.969	69.792	-4.208	74.000	PEAK
3		5352.319	18.837	53.115	71.952	-2.048	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

Vertical



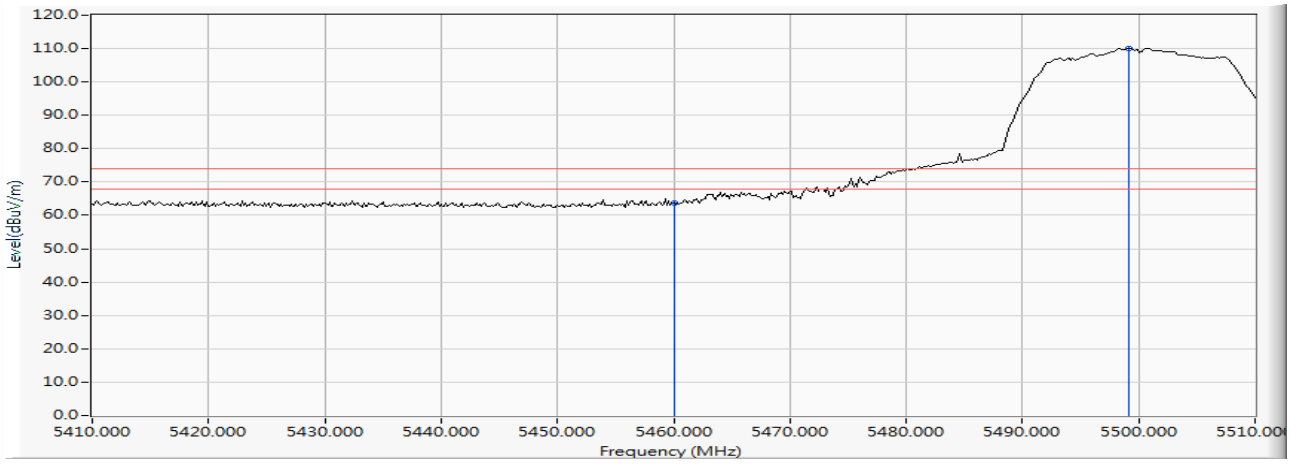
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5321.159	18.630	83.163	101.793	47.793	54.000	AVERAGE
2		5350.000	18.823	31.444	50.267	-3.733	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

Horizontal



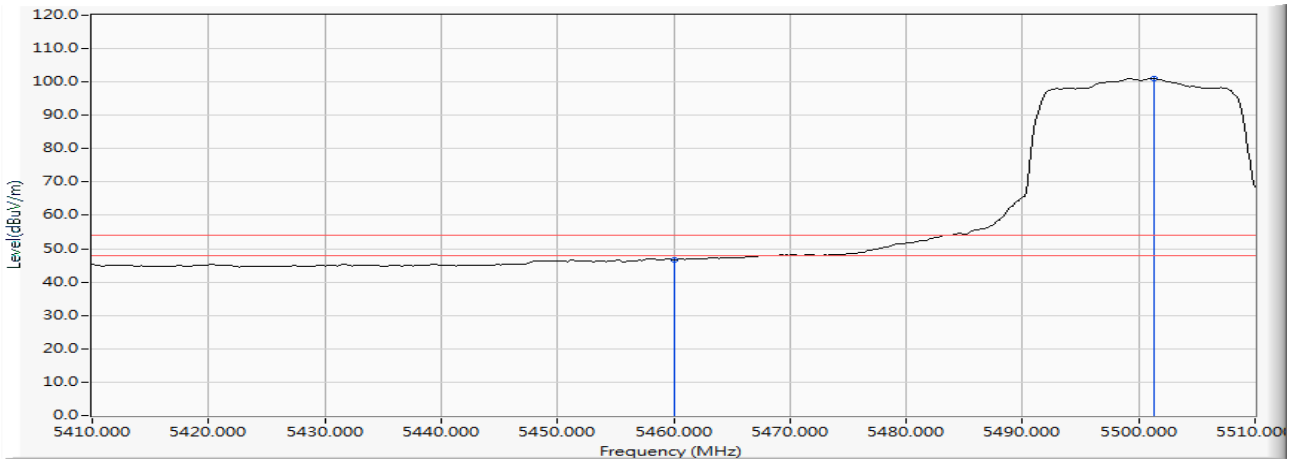
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	44.306	63.682	-10.318	74.000	PEAK
2	*	5499.130	19.604	90.407	110.011	36.011	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Band Edge Data
Test Date	:	2019/10/25
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

Horizontal



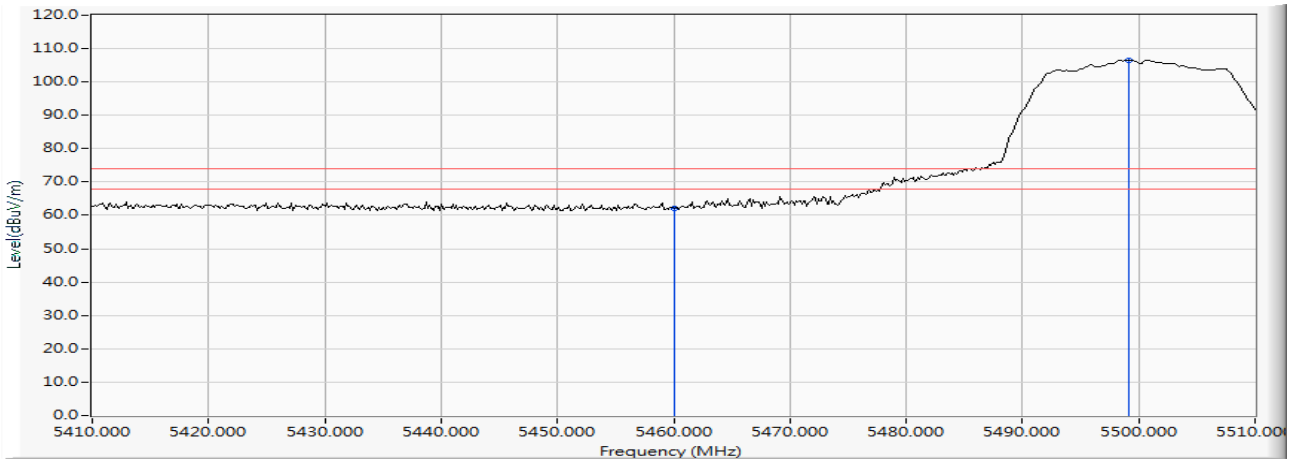
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	27.261	46.637	-7.363	54.000	AVERAGE
2	*	5501.304	19.611	81.471	101.082	47.082	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

Vertical



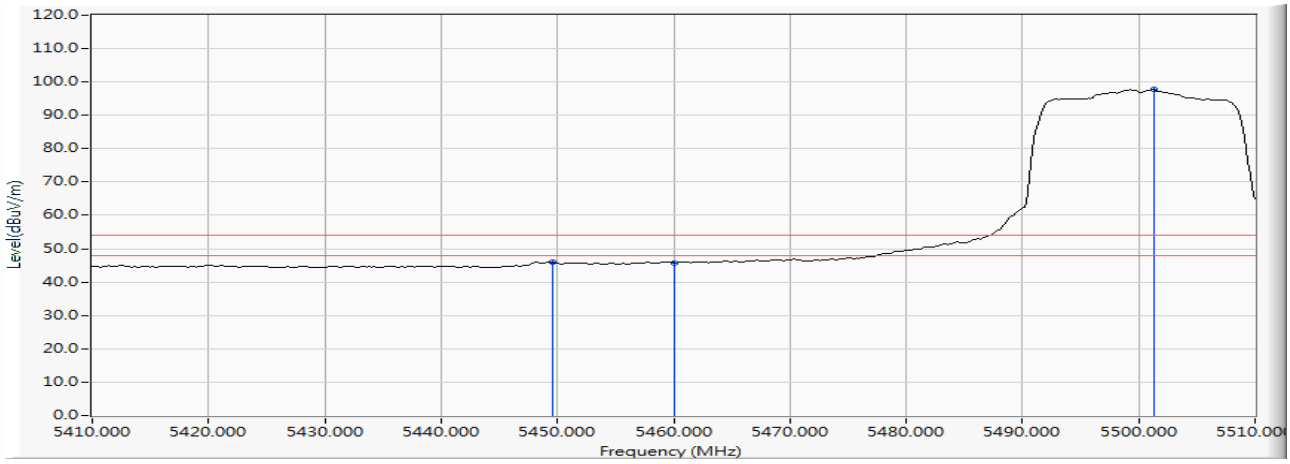
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	42.775	62.151	-11.849	74.000	PEAK
2	*	5499.130	19.604	87.015	106.619	32.619	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

Vertical



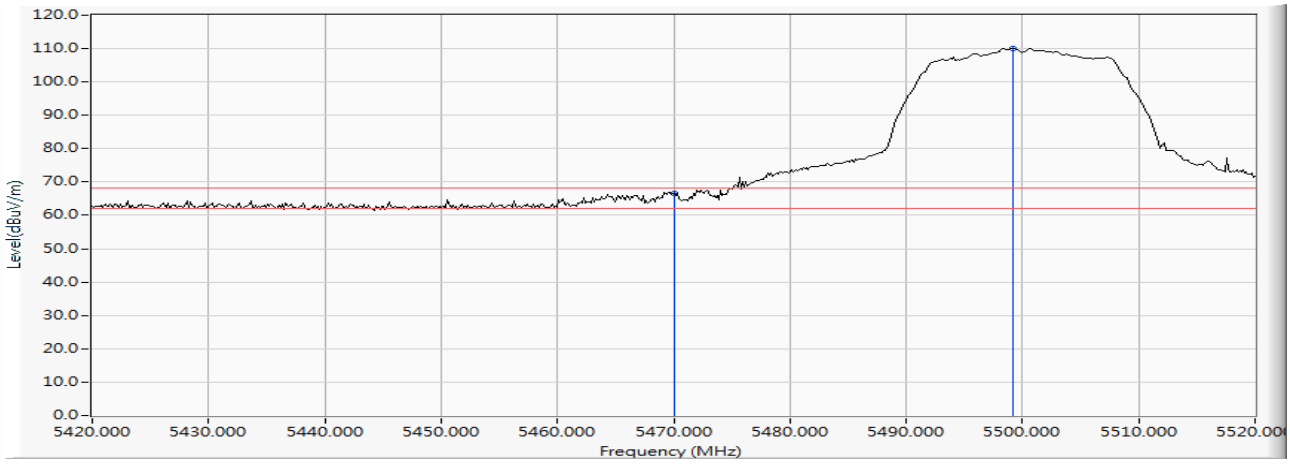
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5449.565	19.312	26.535	45.846	-8.154	54.000	AVERAGE
2		5460.000	19.376	26.309	45.685	-8.315	54.000	AVERAGE
3	*	5501.304	19.611	78.068	97.679	43.679	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

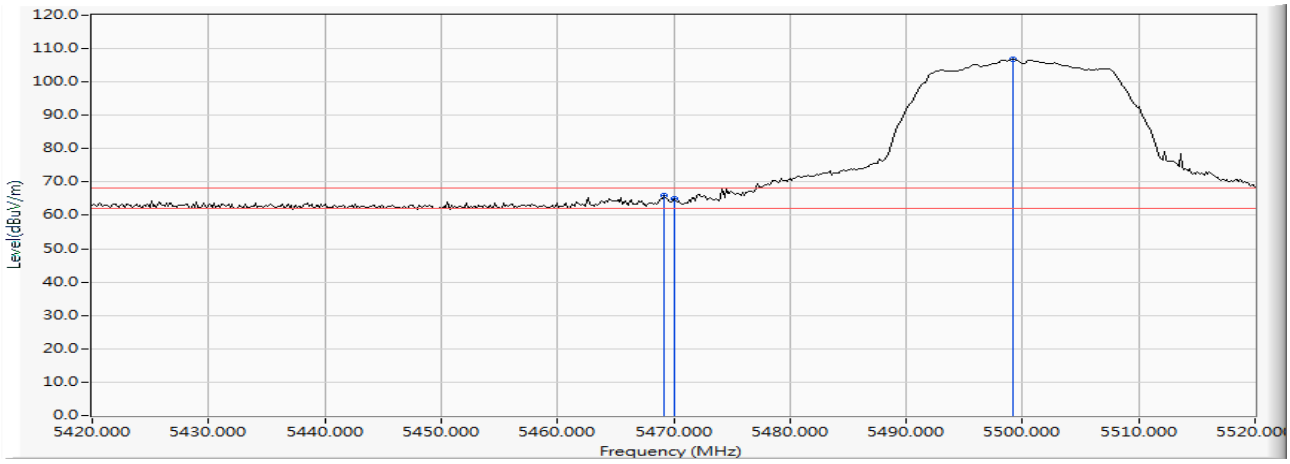
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5470.000	19.443	46.996	66.439	-1.781	68.220	PEAK
2	*	5499.130	19.604	90.379	109.983	41.763	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

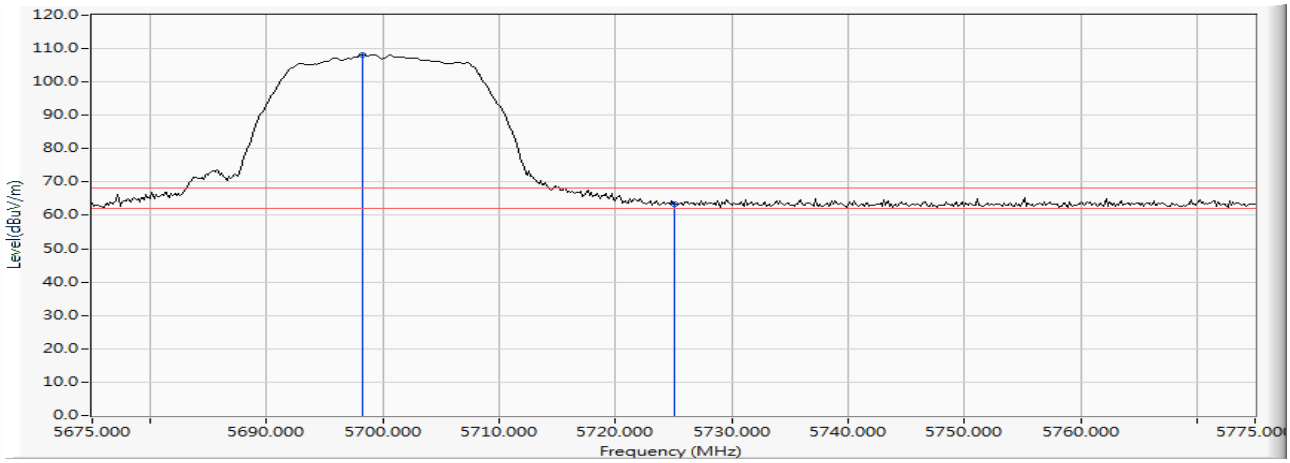
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5469.130	19.437	46.381	65.818	-2.402	68.220	PEAK
2		5470.000	19.443	45.559	65.002	-3.218	68.220	PEAK
3	*	5499.130	19.604	87.078	106.682	38.462	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 140 (5700MHz)

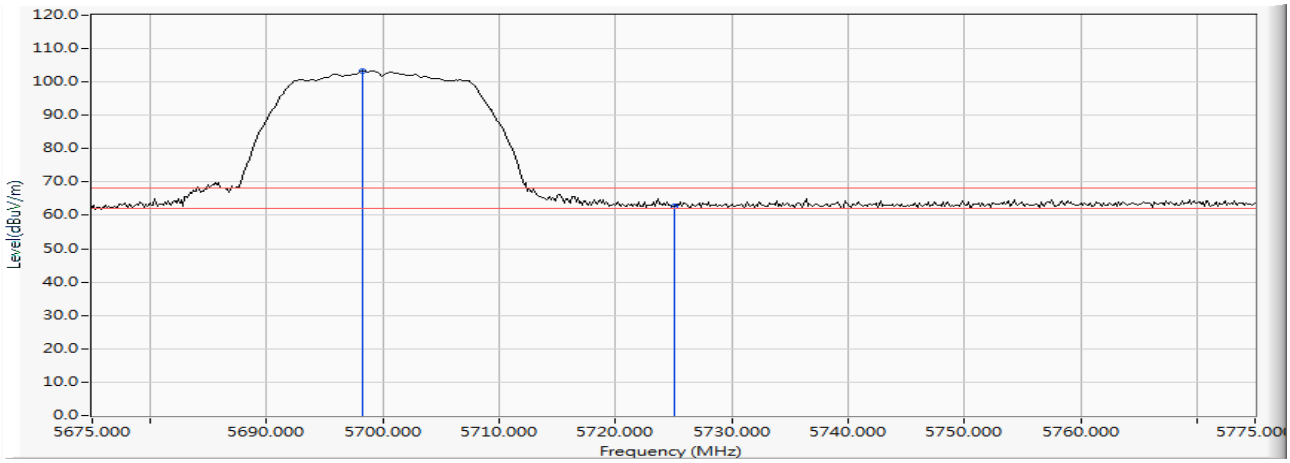
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5698.188	19.171	88.994	108.165	39.945	68.220	PEAK
2		5725.000	19.147	44.299	63.446	-4.774	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 140 (5700MHz)

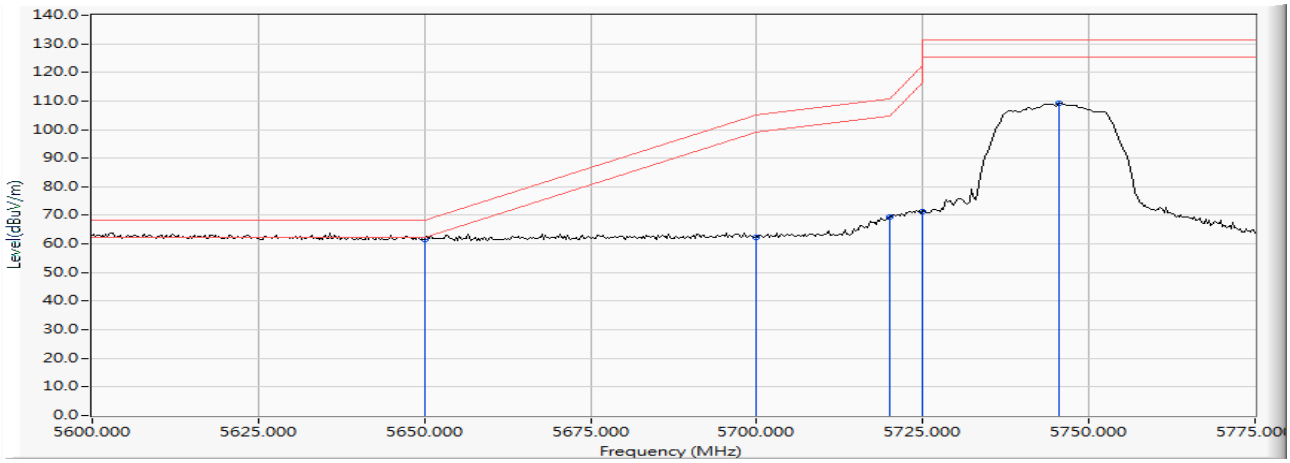
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5698.188	19.171	84.127	103.298	35.078	68.220	PEAK
2		5725.000	19.147	43.709	62.856	-5.364	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 149 (5745MHz)

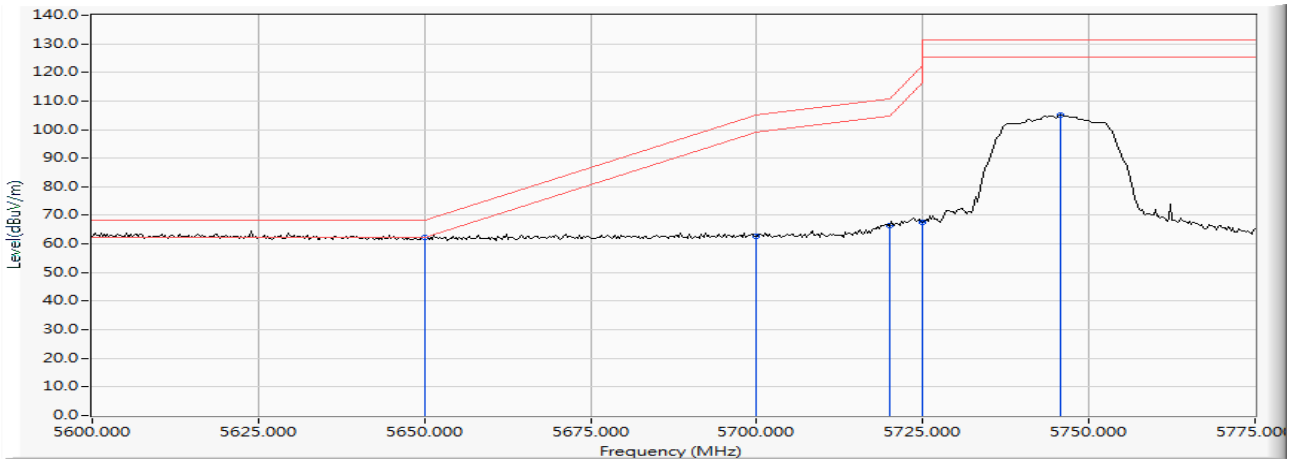
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5650.000	19.214	42.490	61.704	-6.516	68.220	PEAK
2		5700.000	19.169	43.319	62.488	-42.712	105.200	PEAK
3		5720.000	19.151	50.364	69.515	-41.285	110.800	PEAK
4		5725.000	19.147	52.278	71.425	-50.775	122.200	PEAK
5		5745.580	19.138	89.934	109.072	-22.128	131.200	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 149 (5745MHz)

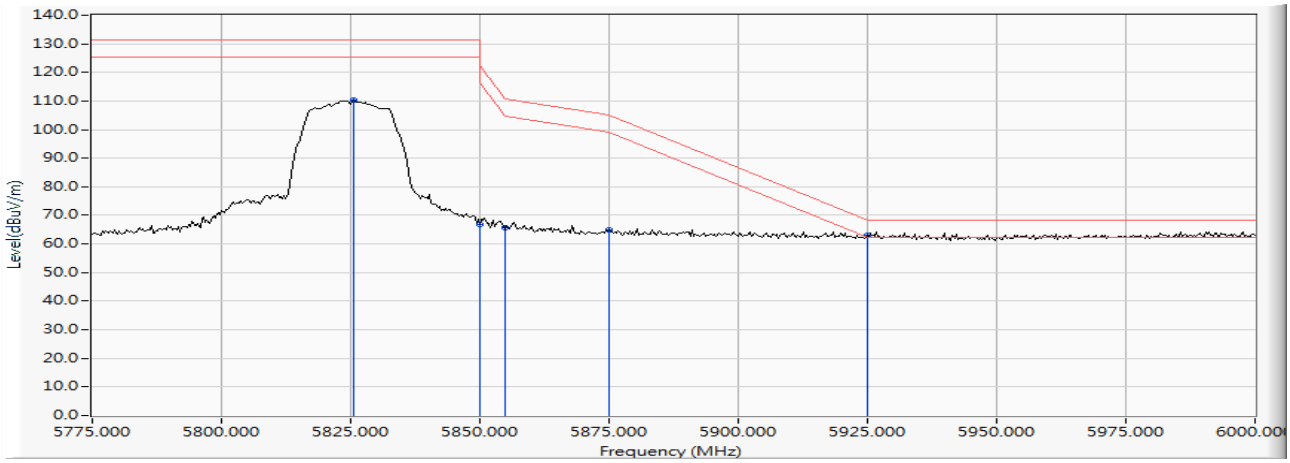
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5650.000	19.214	42.959	62.173	-6.047	68.220	PEAK
2		5700.000	19.169	43.473	62.642	-42.558	105.200	PEAK
3		5720.000	19.151	47.273	66.424	-44.376	110.800	PEAK
4		5725.000	19.147	48.348	67.495	-54.705	122.200	PEAK
5		5745.833	19.139	85.867	105.005	-26.195	131.200	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 165 (5825MHz)

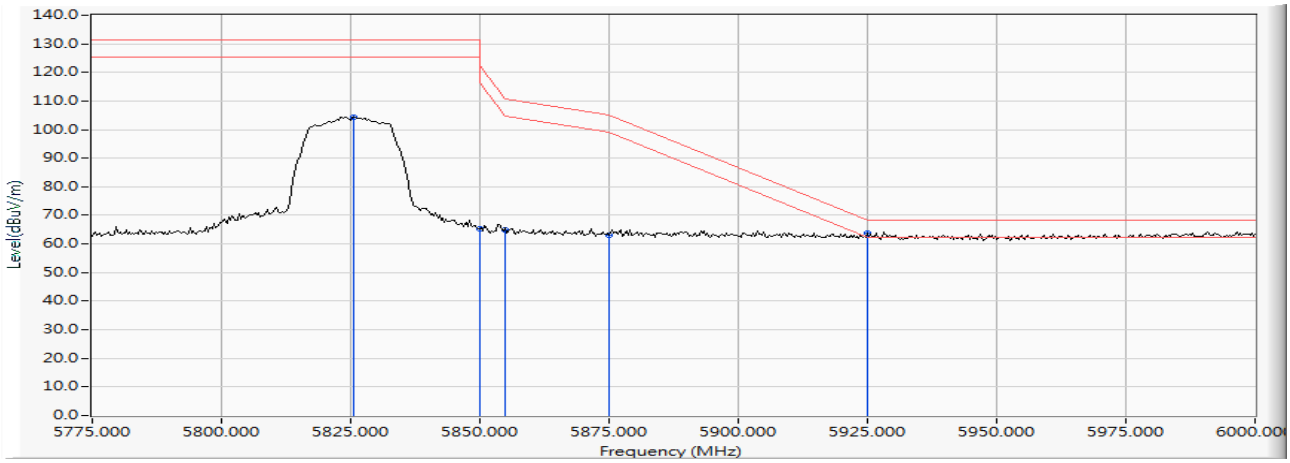
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5825.543	19.513	90.679	110.192	-21.008	131.200	PEAK
2		5850.000	19.632	47.323	66.955	-55.245	122.200	PEAK
3		5855.000	19.651	45.860	65.511	-45.289	110.800	PEAK
4		5875.000	19.718	45.144	64.862	-40.338	105.200	PEAK
5	*	5925.000	19.875	43.311	63.186	-5.034	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 165 (5825MHz)

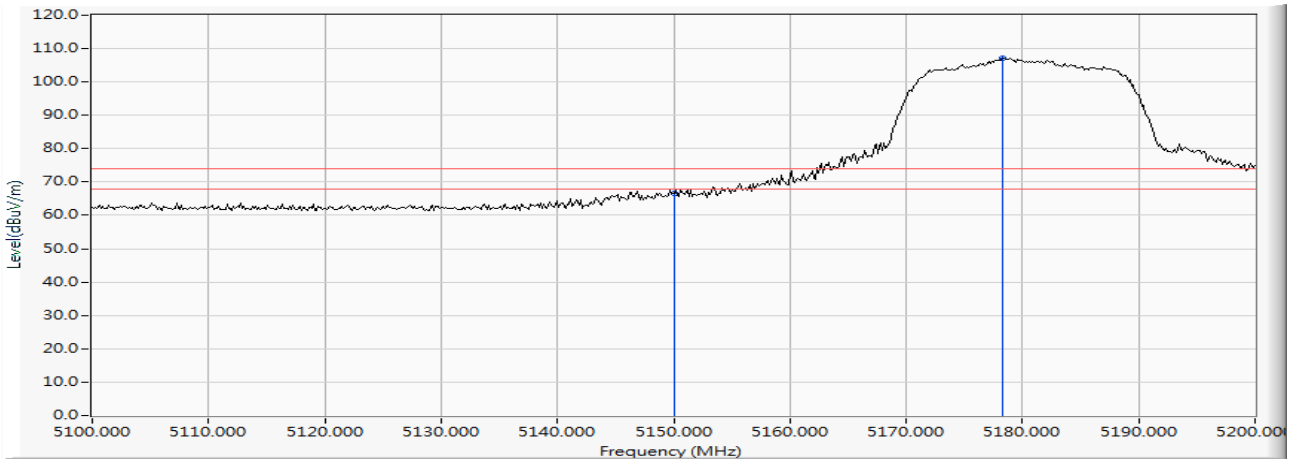
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5825.543	19.513	84.843	104.356	-26.844	131.200	PEAK
2		5850.000	19.632	45.509	65.141	-57.059	122.200	PEAK
3		5855.000	19.651	45.324	64.975	-45.825	110.800	PEAK
4		5875.000	19.718	43.490	63.208	-41.992	105.200	PEAK
5	*	5925.000	19.875	44.012	63.887	-4.333	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 36 (5180MHz)

Horizontal



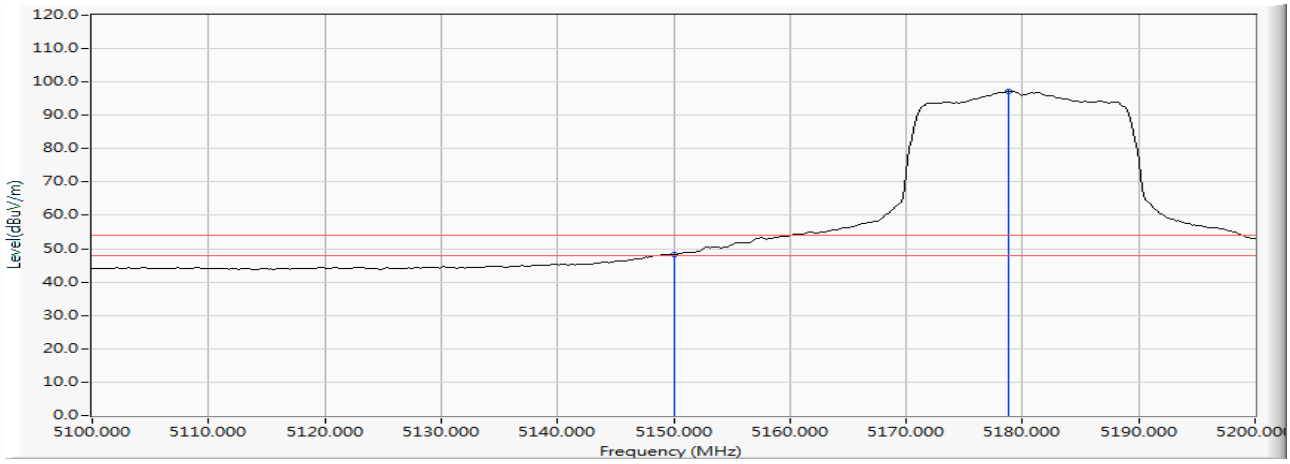
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	48.119	66.689	-7.311	74.000	PEAK
2	*	5178.261	18.425	88.785	107.209	33.209	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 36 (5180MHz)

Horizontal



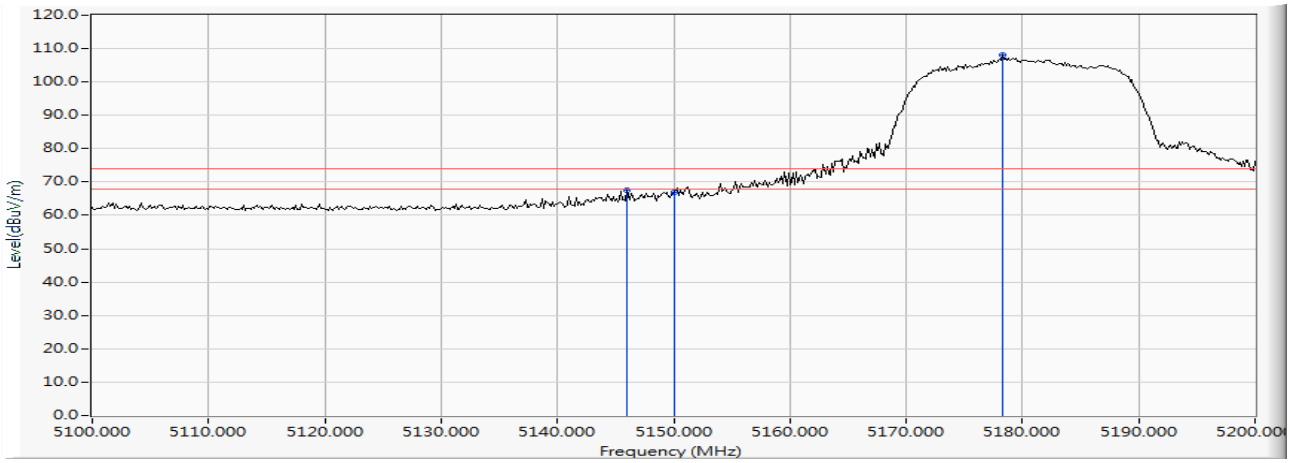
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	29.658	48.228	-5.772	54.000	AVERAGE
2	*	5178.841	18.421	78.763	97.184	43.184	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 36 (5180MHz)

Vertical



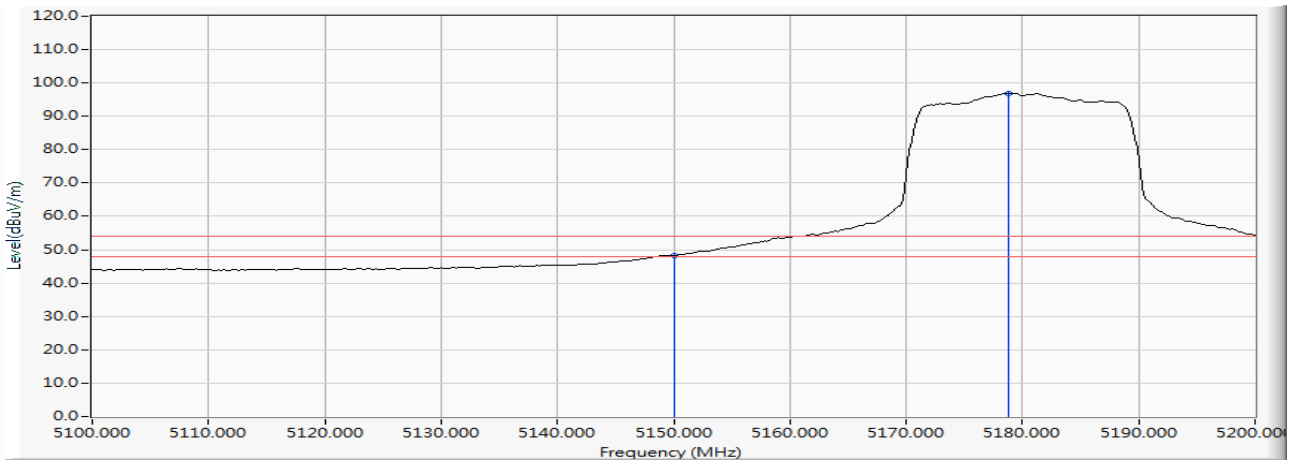
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5145.942	18.586	49.004	67.590	-6.410	74.000	PEAK
2		5150.000	18.569	48.415	66.985	-7.015	74.000	PEAK
3	*	5178.261	18.425	89.532	107.956	33.956	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	23.1 inches Bar type Digital Signage
Test Item	:	Band Edge Data
Test Date	:	2019/10/25
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 36 (5180MHz)

Vertical



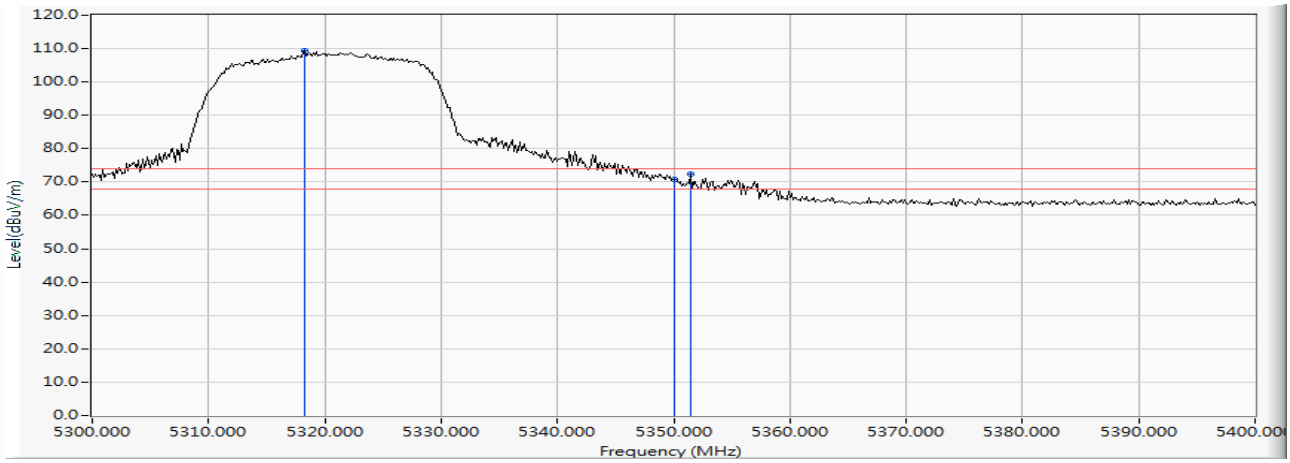
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	29.607	48.177	-5.823	54.000	AVERAGE
2	*	5178.841	18.421	78.564	96.985	42.985	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 64 (5320MHz)

Horizontal



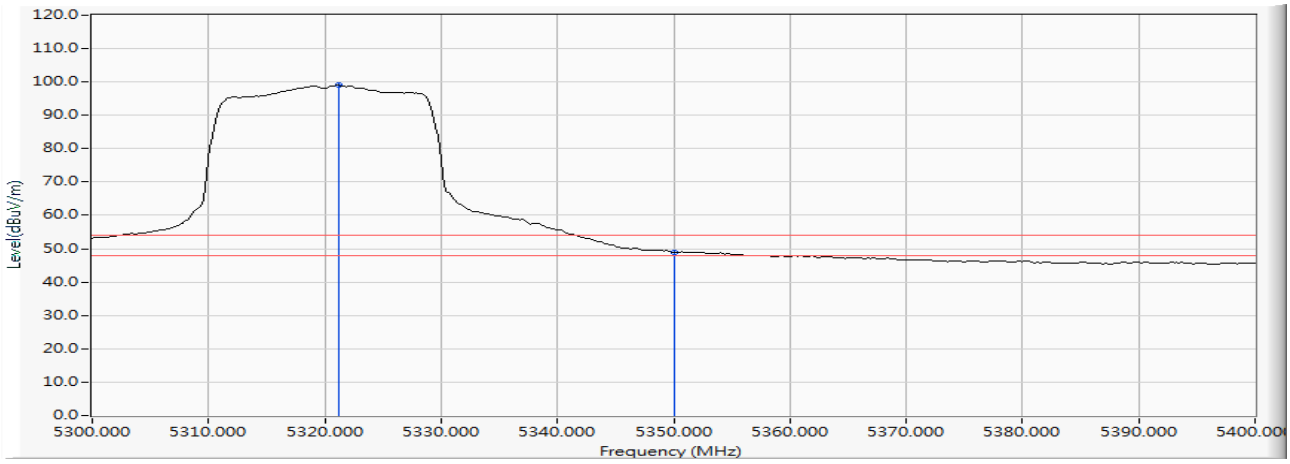
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5318.261	18.610	90.679	109.289	35.289	74.000	PEAK
2		5350.000	18.823	51.838	70.661	-3.339	74.000	PEAK
3		5351.449	18.833	53.616	72.448	-1.552	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 64 (5320MHz)

Horizontal



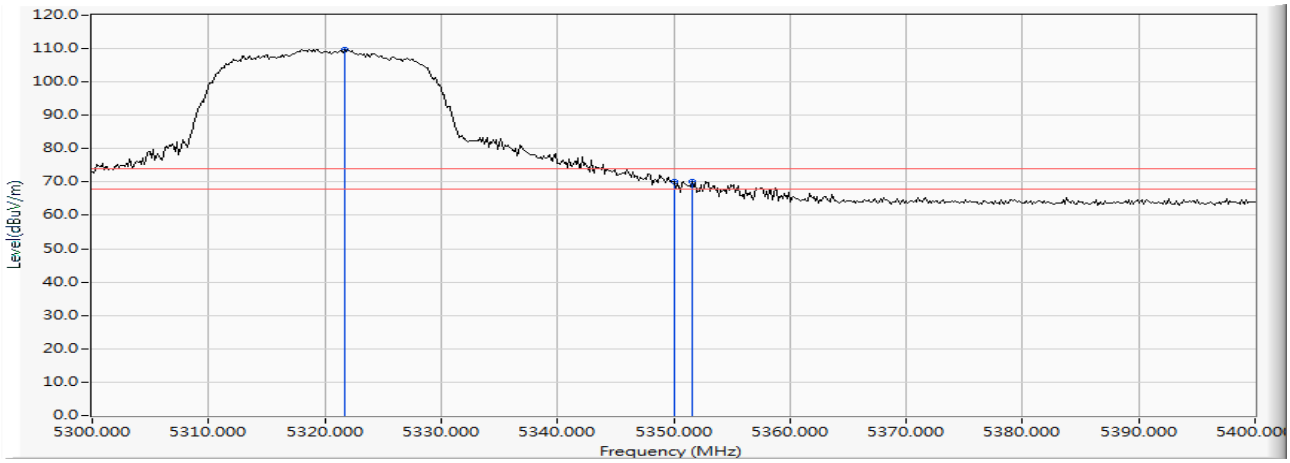
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5321.159	18.630	80.425	99.055	45.055	54.000	AVERAGE
2		5350.000	18.823	30.000	48.823	-5.177	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 64 (5320MHz)

Vertical



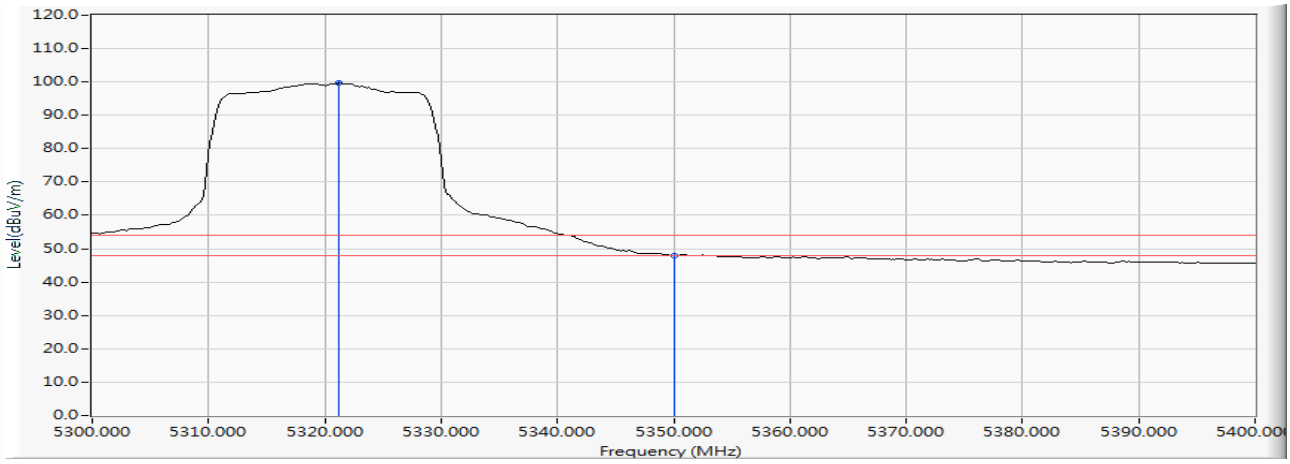
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5321.739	18.634	91.089	109.723	35.723	74.000	PEAK
2		5350.000	18.823	51.287	70.110	-3.890	74.000	PEAK
3		5351.594	18.833	51.422	70.255	-3.745	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 64 (5320MHz)

Vertical



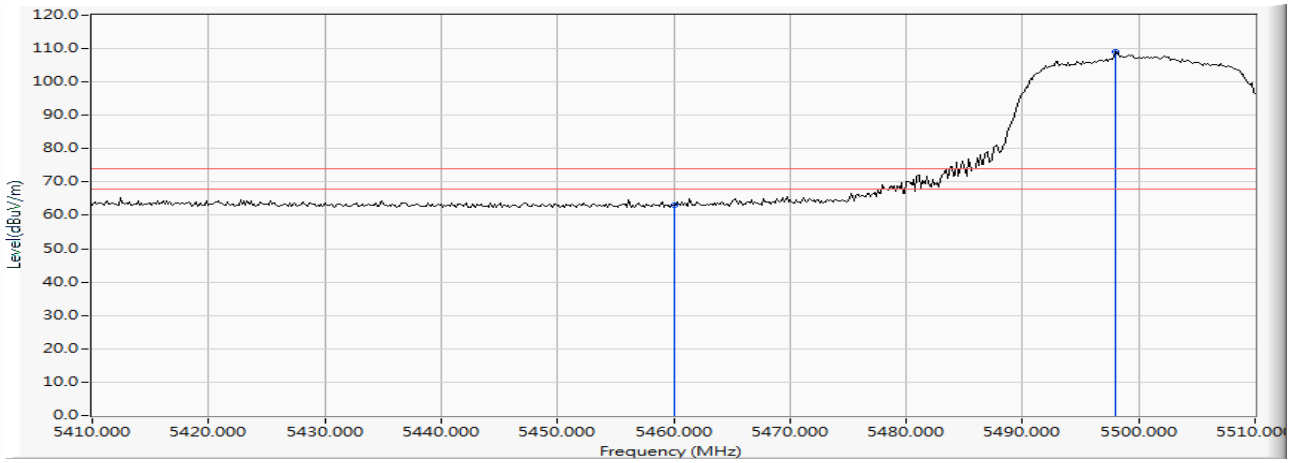
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5321.159	18.630	81.047	99.677	45.677	54.000	AVERAGE
2		5350.000	18.823	29.122	47.945	-6.055	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 100 (5500MHz)

Horizontal



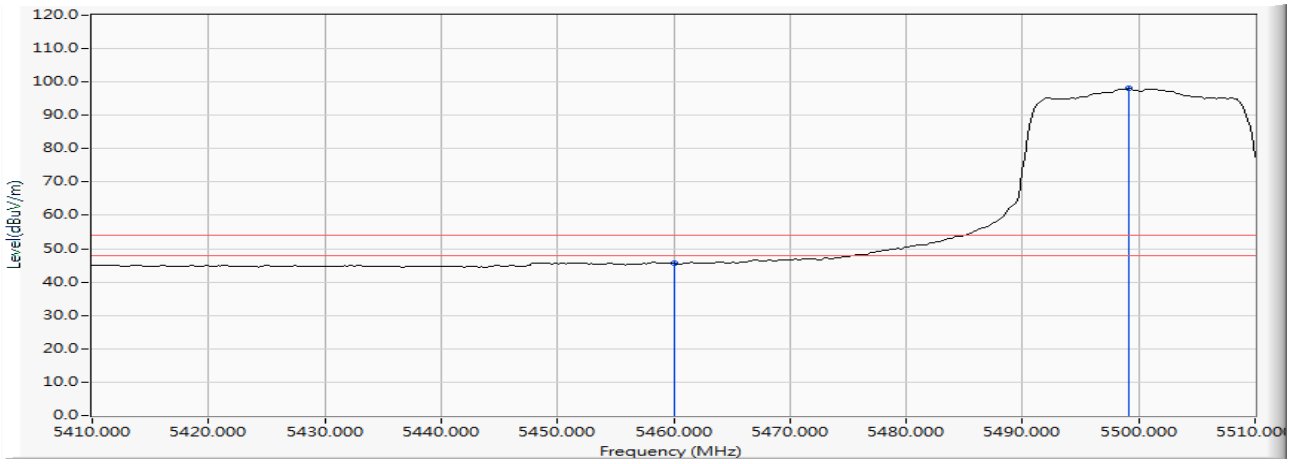
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	43.774	63.150	-10.850	74.000	PEAK
2	*	5497.971	19.600	89.315	108.915	34.915	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 100 (5500MHz)

Horizontal



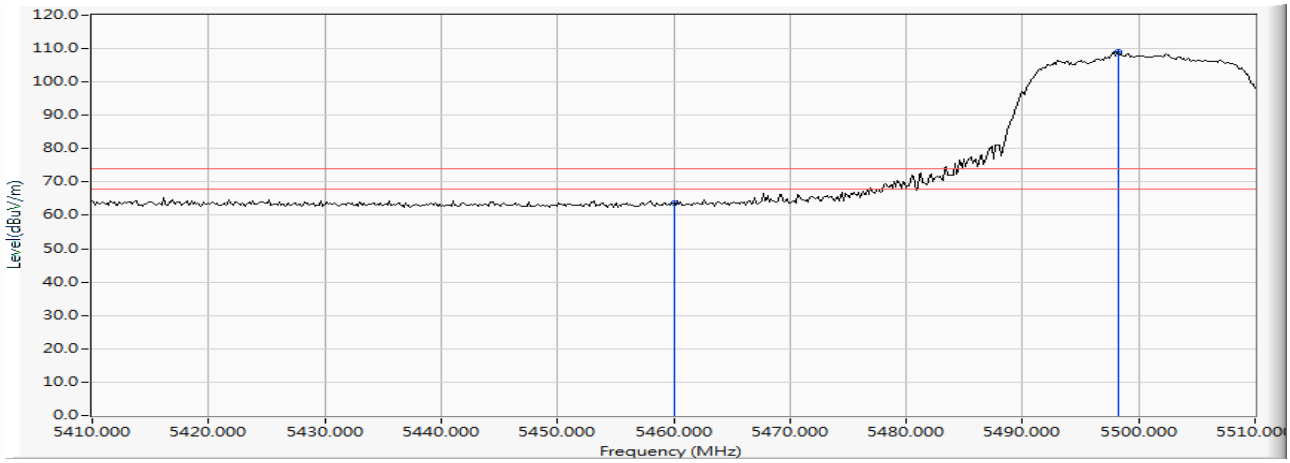
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	26.160	45.536	-8.464	54.000	AVERAGE
2	*	5499.130	19.604	78.421	98.025	44.025	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 100 (5500MHz)

Vertical



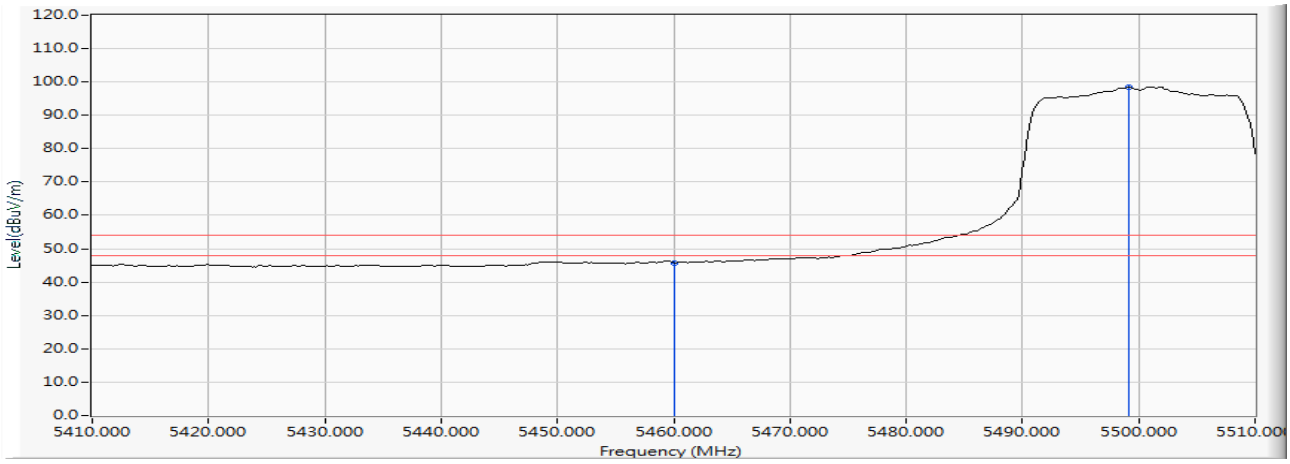
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	44.354	63.730	-10.270	74.000	PEAK
2	*	5498.261	19.601	89.525	109.126	35.126	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) -Channel 100 (5500MHz)

Vertical



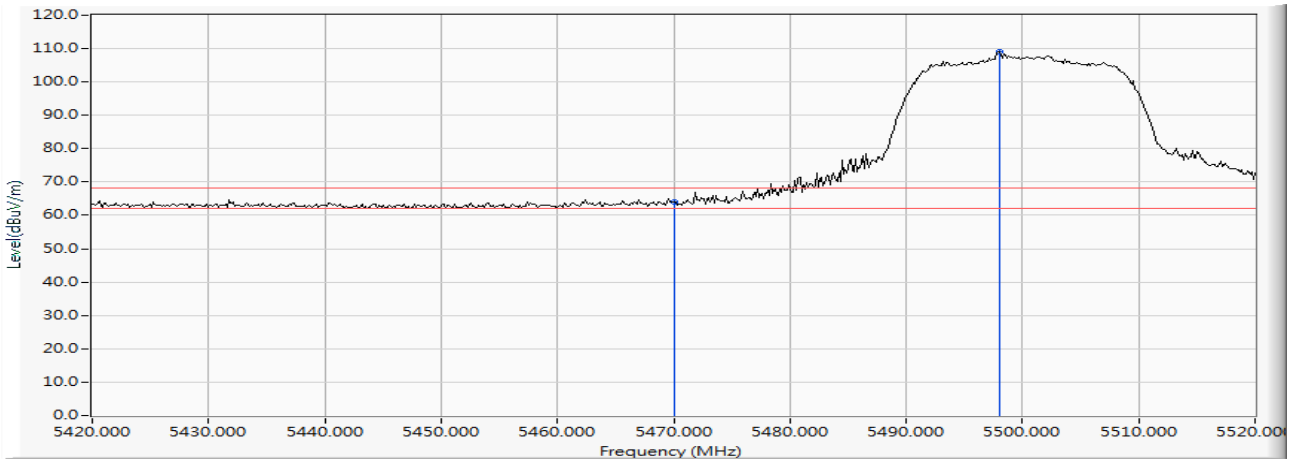
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	26.462	45.838	-8.162	54.000	AVERAGE
2	*	5499.130	19.604	78.957	98.561	44.561	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 100 (5500MHz)

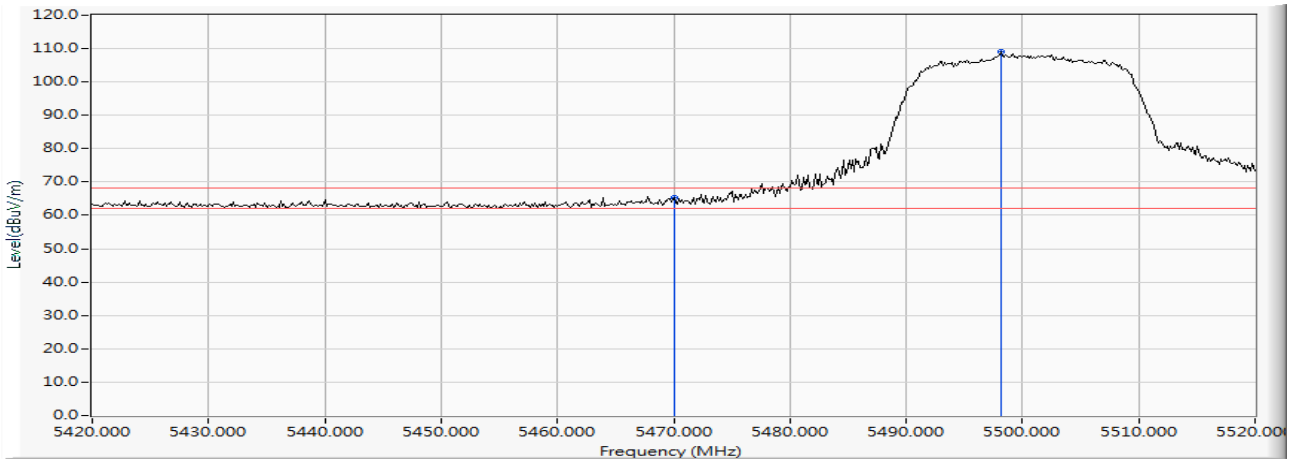
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5470.000	19.443	44.555	63.998	-4.222	68.220	PEAK
2	*	5497.971	19.600	89.335	108.935	40.715	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 100 (5500MHz)

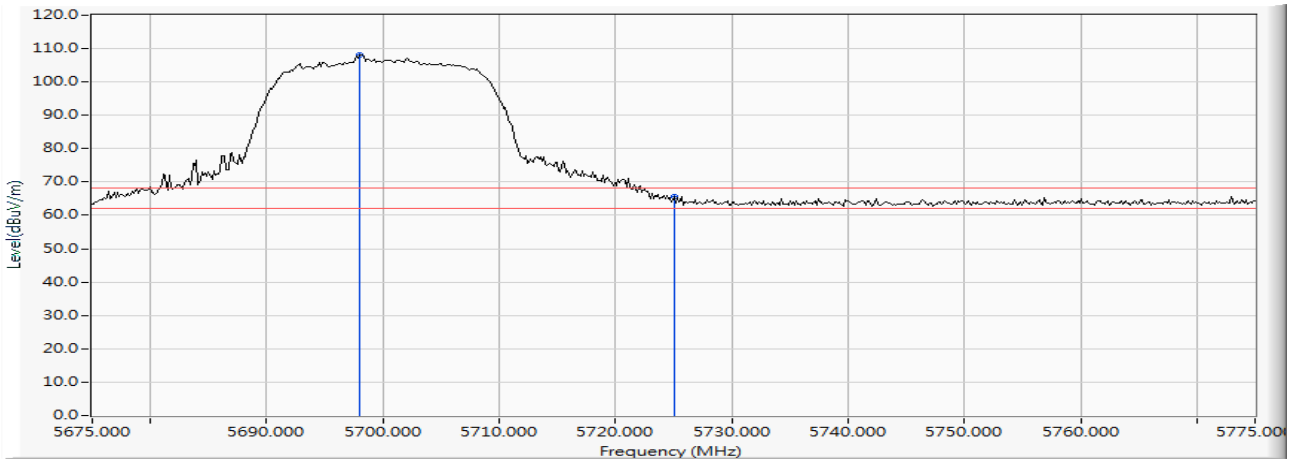
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5470.000	19.443	45.726	65.169	-3.051	68.220	PEAK
2	*	5498.116	19.600	89.597	109.197	40.977	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 140 (5700MHz)

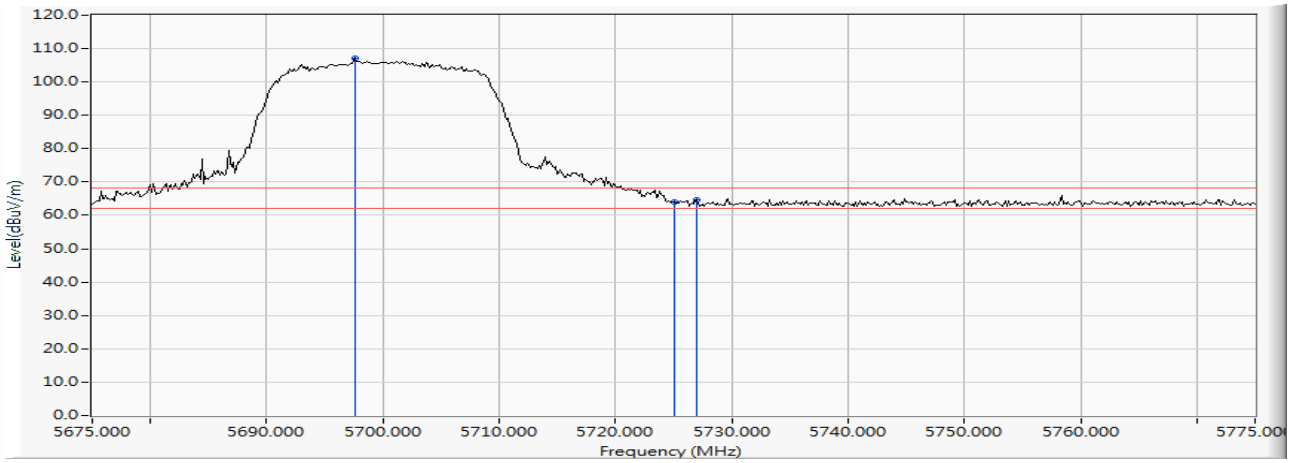
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5698.043	19.172	89.034	108.205	39.985	68.220	PEAK
2		5725.000	19.147	46.628	65.775	-2.445	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 140 (5700MHz)

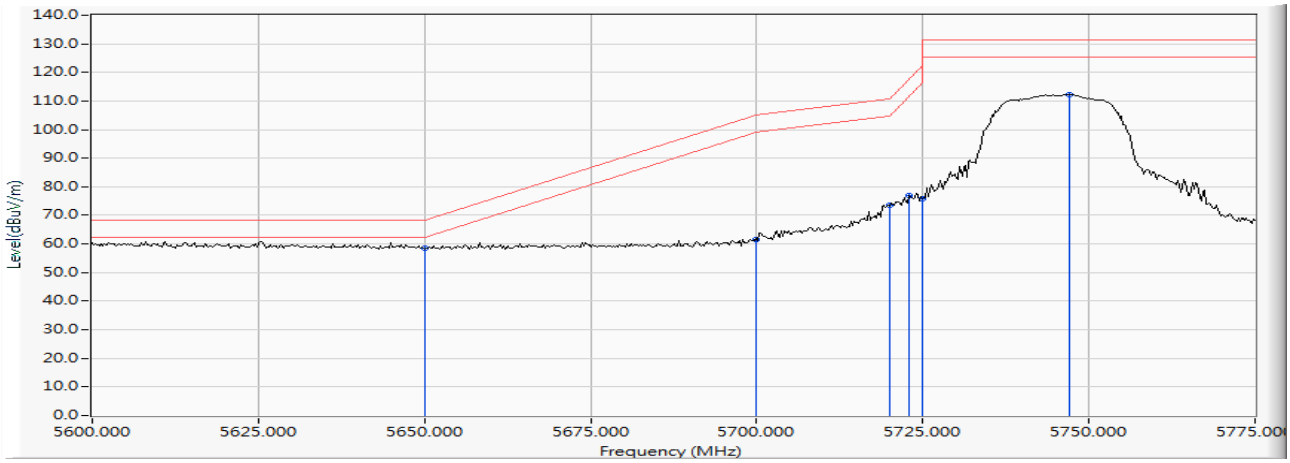
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5697.609	19.171	87.947	107.119	38.899	68.220	PEAK
2		5725.000	19.147	44.946	64.093	-4.127	68.220	PEAK
3		5727.029	19.144	45.611	64.756	-3.464	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 149 (5745MHz)

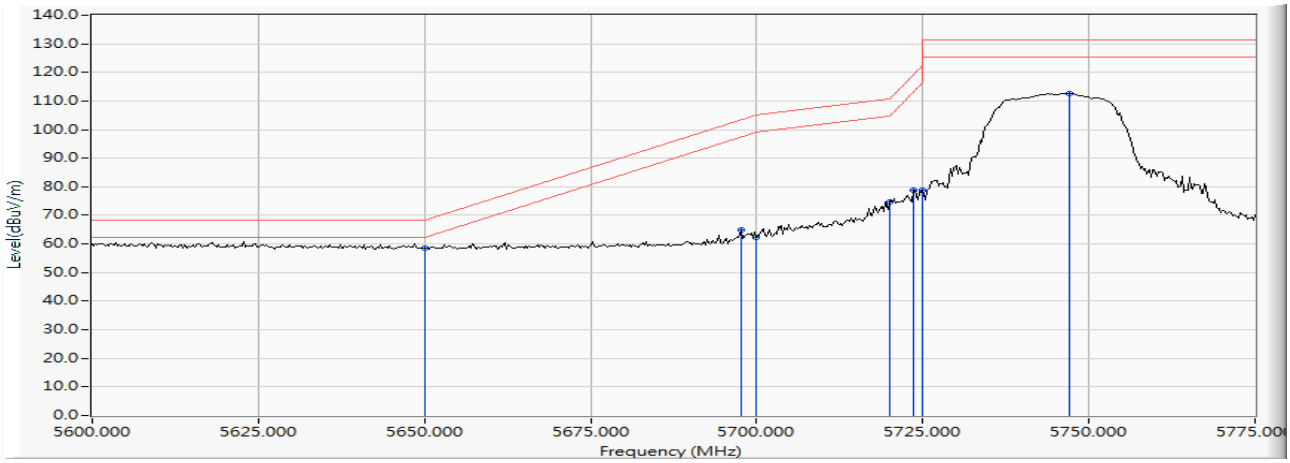
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5650.000	19.214	39.173	58.387	-9.833	68.220	PEAK
2		5700.000	19.169	42.570	61.739	-43.461	105.200	PEAK
3		5720.000	19.151	54.293	73.444	-37.356	110.800	PEAK
4		5723.007	19.149	57.845	76.994	-40.662	117.656	PEAK
5		5725.000	19.147	56.660	75.807	-46.393	122.200	PEAK
6		5747.101	19.142	93.233	112.375	-18.825	131.200	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 149 (5745MHz)

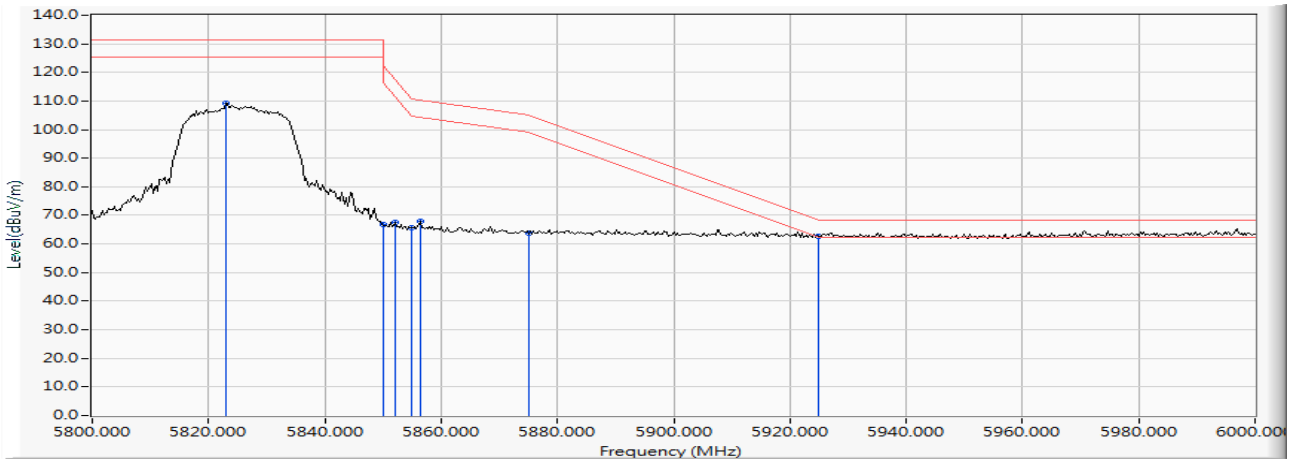
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5650.000	19.214	39.490	58.704	-9.516	68.220	PEAK
2		5697.645	19.171	45.690	64.862	-38.596	103.458	PEAK
3		5700.000	19.169	43.252	62.421	-42.779	105.200	PEAK
4		5720.000	19.151	55.517	74.668	-36.132	110.800	PEAK
5		5723.514	19.148	59.814	78.962	-39.850	118.812	PEAK
6		5725.000	19.147	59.491	78.638	-43.562	122.200	PEAK
7		5747.101	19.142	93.609	112.751	-18.449	131.200	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 165 (5825MHz)

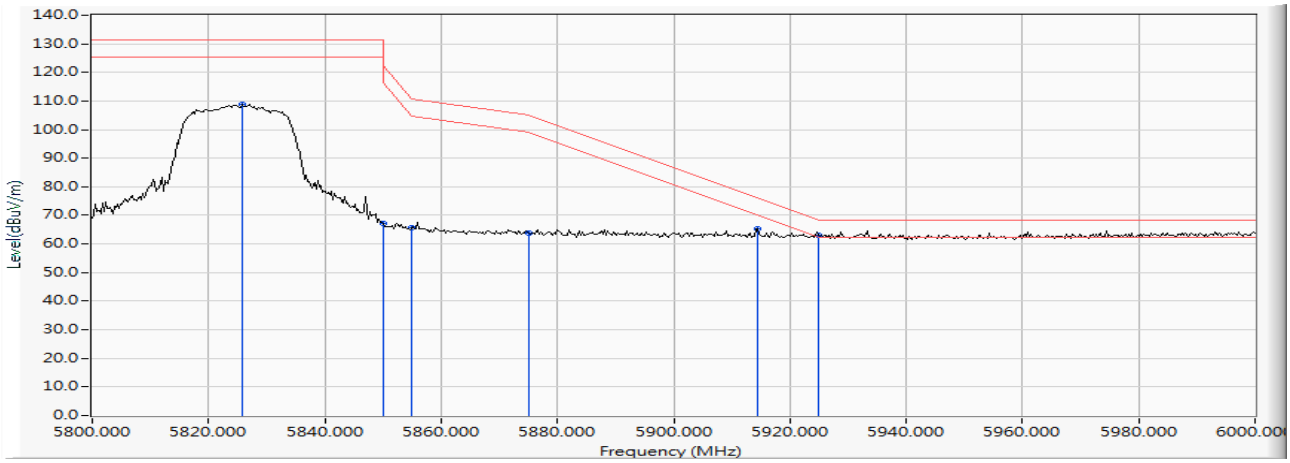
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5822.899	19.500	89.792	109.291	-21.909	131.200	PEAK
2		5850.000	19.632	47.017	66.649	-55.551	122.200	PEAK
3		5852.174	19.641	48.098	67.738	-49.505	117.243	PEAK
4		5855.000	19.651	46.102	65.753	-45.047	110.800	PEAK
5		5856.522	19.657	48.210	67.867	-42.507	110.374	PEAK
6		5875.000	19.718	44.058	63.776	-41.424	105.200	PEAK
7	*	5925.000	19.875	42.836	62.711	-5.509	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)-Channel 165 (5825MHz)

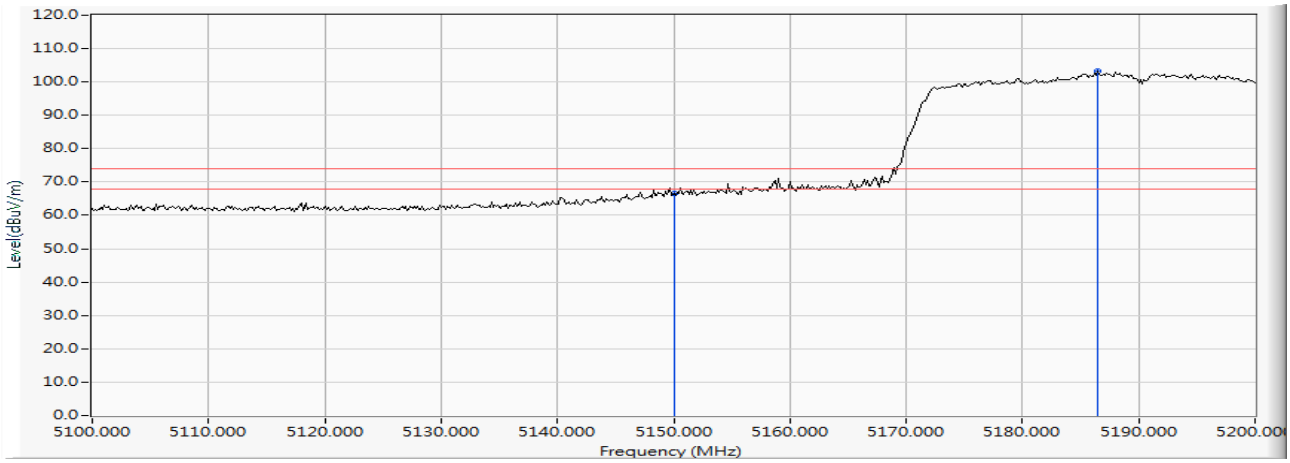
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5825.797	19.514	89.293	108.808	-22.392	131.200	PEAK
2		5850.000	19.632	47.631	67.263	-54.937	122.200	PEAK
3		5855.000	19.651	46.183	65.834	-44.966	110.800	PEAK
4		5875.000	19.718	44.121	63.839	-41.361	105.200	PEAK
5		5914.493	19.842	45.422	65.264	-10.727	75.991	PEAK
6	*	5925.000	19.875	43.097	62.972	-5.248	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 38 (5190MHz)

Horizontal



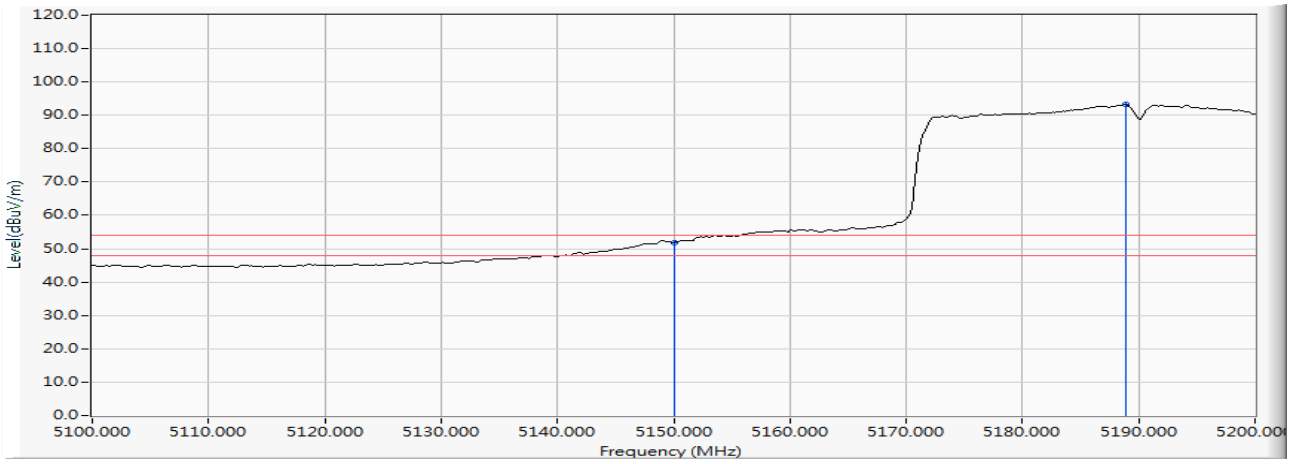
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	47.986	66.556	-7.444	74.000	PEAK
2	*	5186.522	18.379	84.886	103.266	29.266	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 38 (5190MHz)

Horizontal



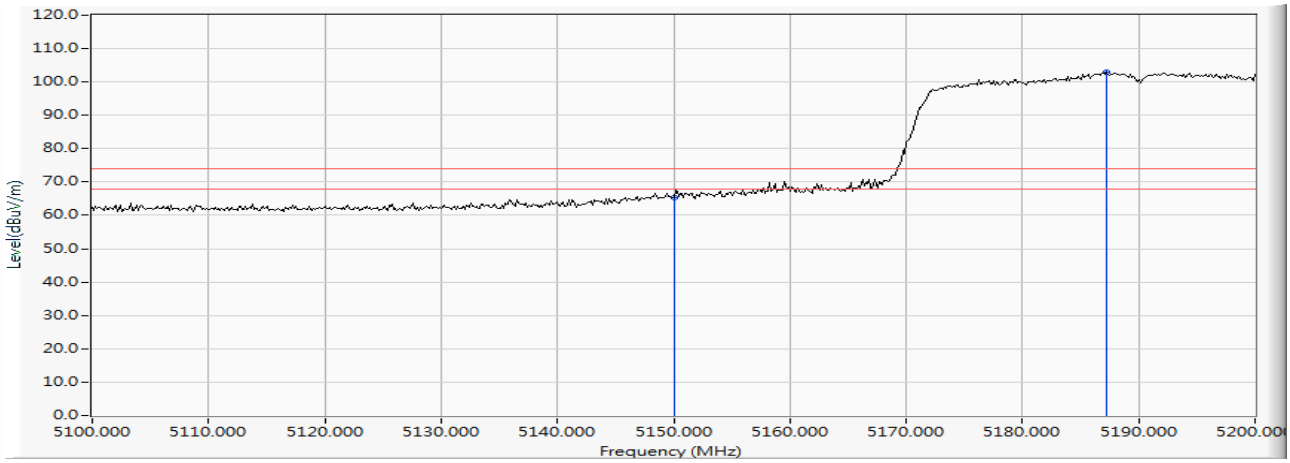
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	33.282	51.852	-2.148	54.000	AVERAGE
2	*	5188.841	18.368	74.869	93.237	39.237	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 38 (5190MHz)

Vertical



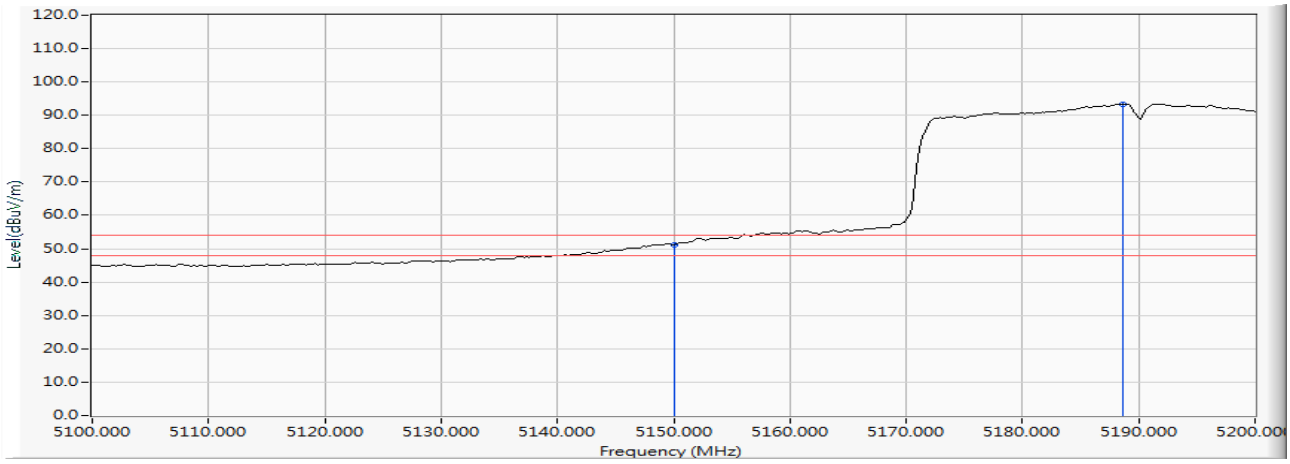
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	46.660	65.230	-8.770	74.000	PEAK
2	*	5187.246	18.376	84.556	102.932	28.932	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 38 (5190MHz)

Vertical



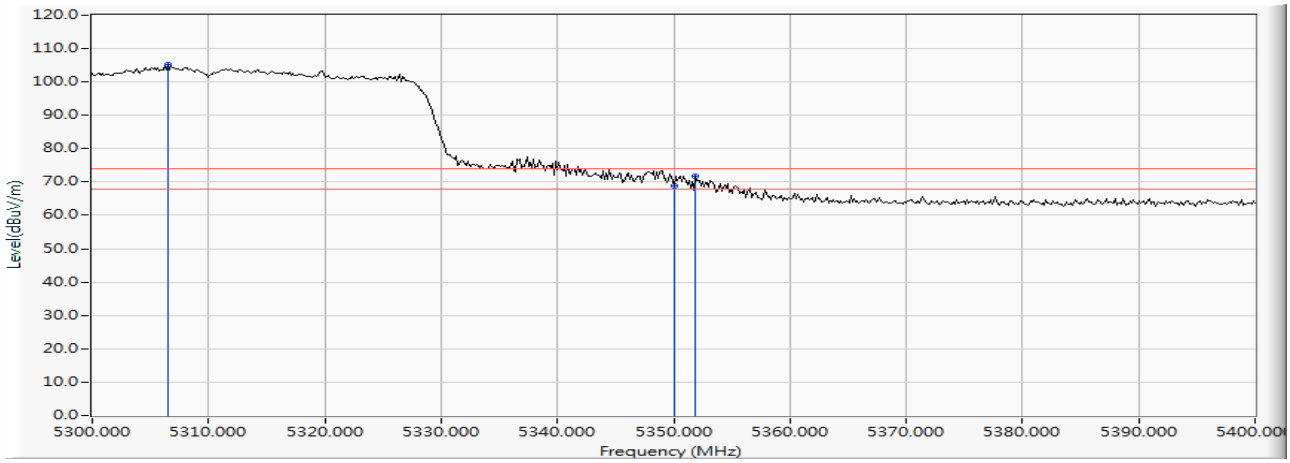
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	32.721	51.291	-2.709	54.000	AVERAGE
2	*	5188.696	18.368	75.070	93.439	39.439	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 62 (5310MHz)

Horizontal



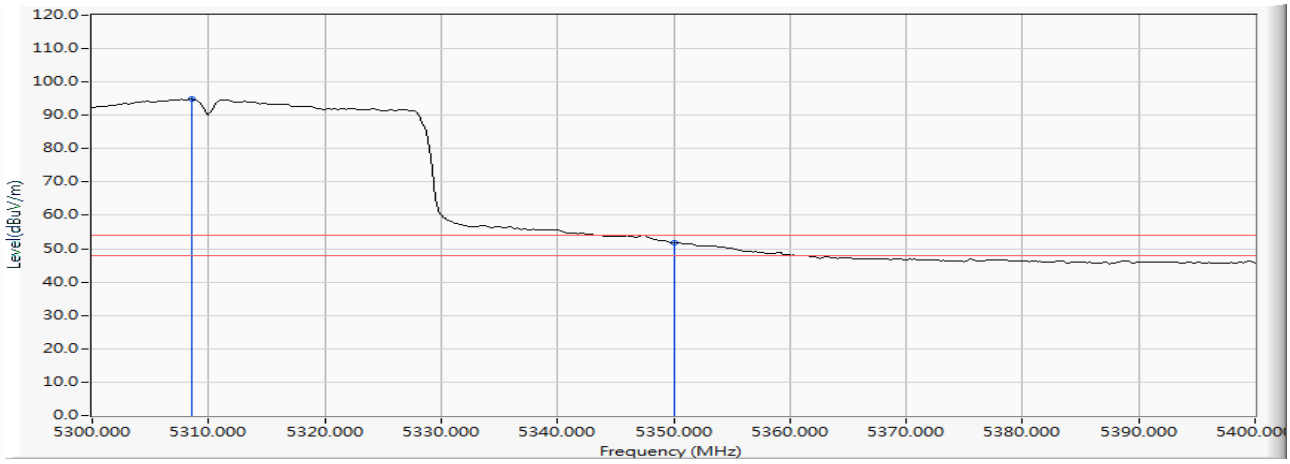
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5306.522	18.530	86.586	105.116	31.116	74.000	PEAK
2		5350.000	18.823	49.918	68.741	-5.259	74.000	PEAK
3		5351.884	18.835	53.052	71.887	-2.113	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 62 (5310MHz)

Horizontal



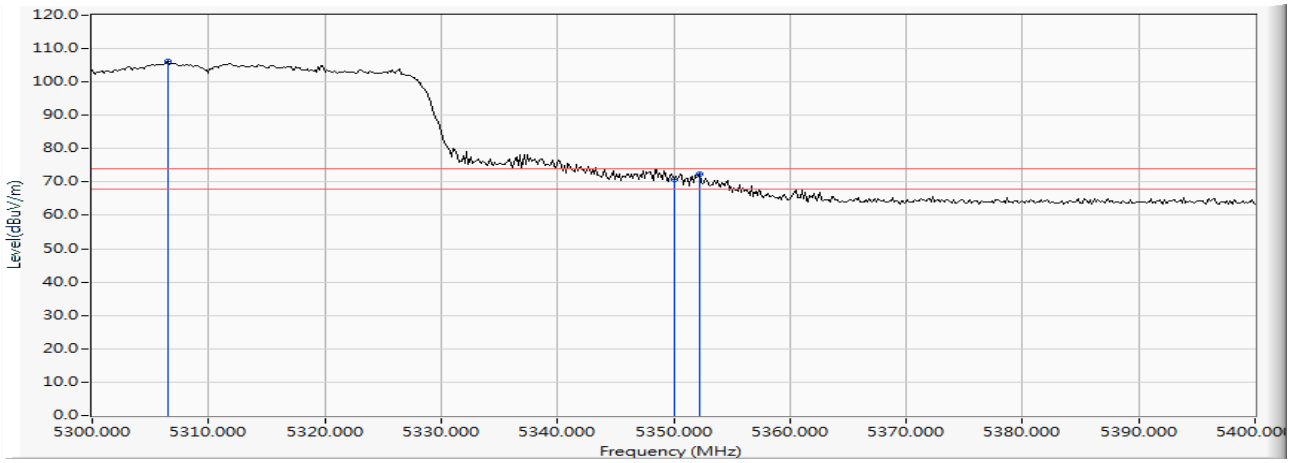
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5308.551	18.544	76.278	94.822	40.822	54.000	AVERAGE
2		5350.000	18.823	32.863	51.686	-2.314	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 62 (5310MHz)

Vertical



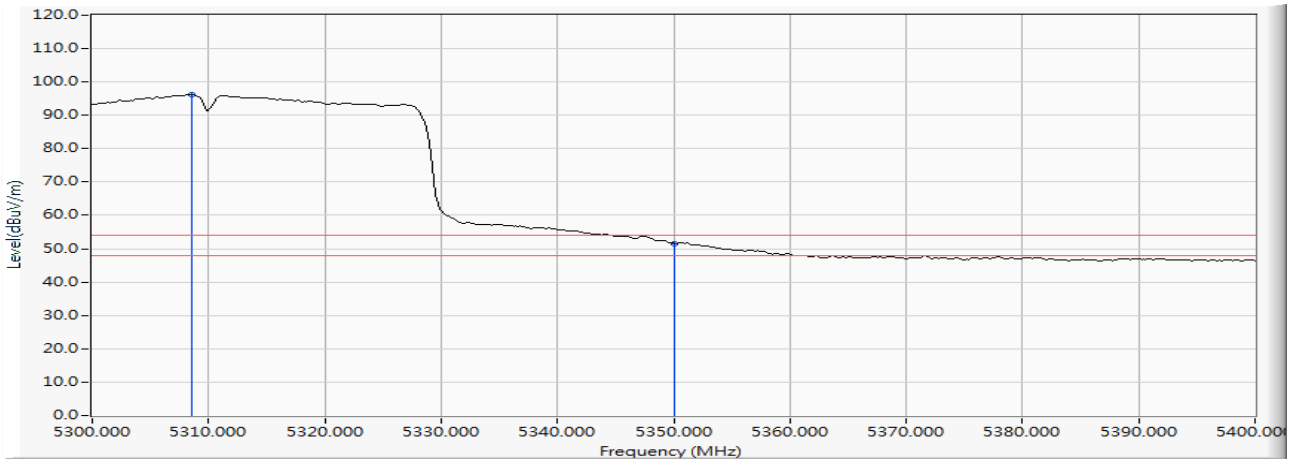
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5306.522	18.530	87.755	106.285	32.285	74.000	PEAK
2		5350.000	18.823	52.101	70.924	-3.076	74.000	PEAK
3		5352.174	18.837	53.661	72.498	-1.502	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 62 (5310MHz)

Vertical



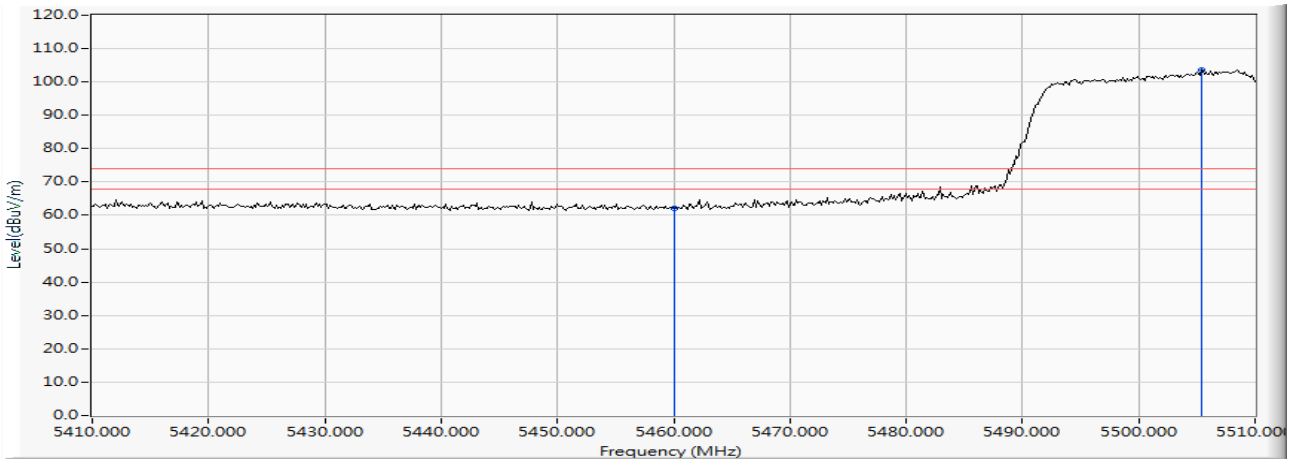
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5308.551	18.544	77.620	96.164	42.164	54.000	AVERAGE
2		5350.000	18.823	32.744	51.567	-2.433	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 102 (5510MHz)

Horizontal



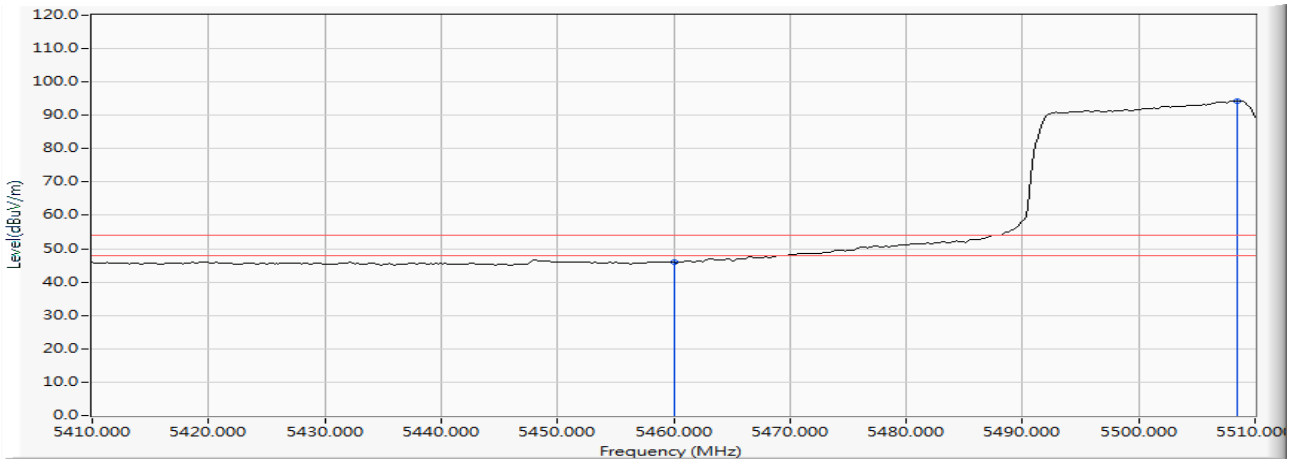
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	42.707	62.083	-11.917	74.000	PEAK
2	*	5505.362	19.622	83.877	103.499	29.499	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 102 (5510MHz)

Horizontal



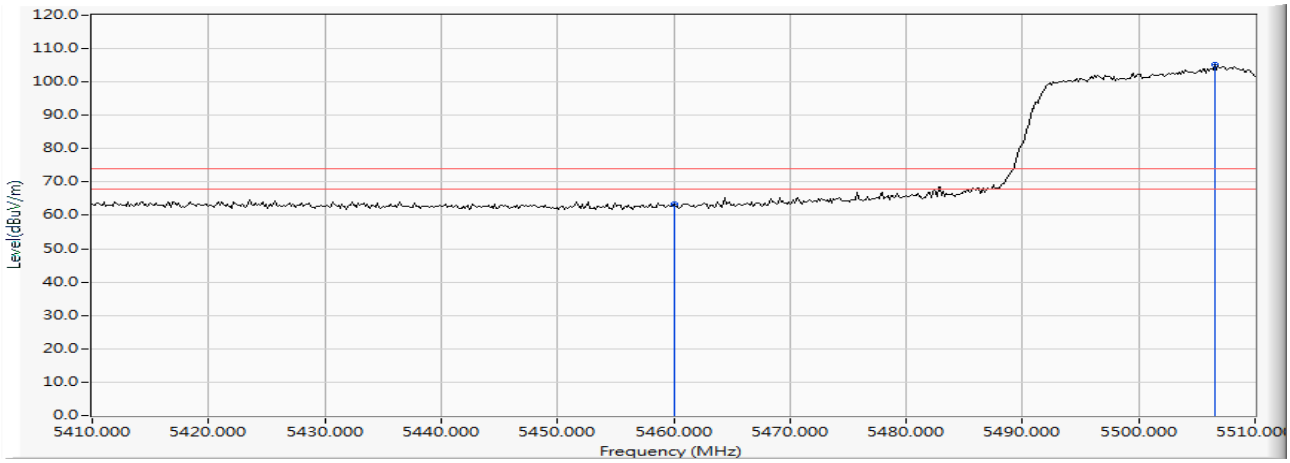
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	26.596	45.972	-8.028	54.000	AVERAGE
2	*	5508.406	19.606	74.731	94.338	40.338	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 102 (5510MHz)

Vertical



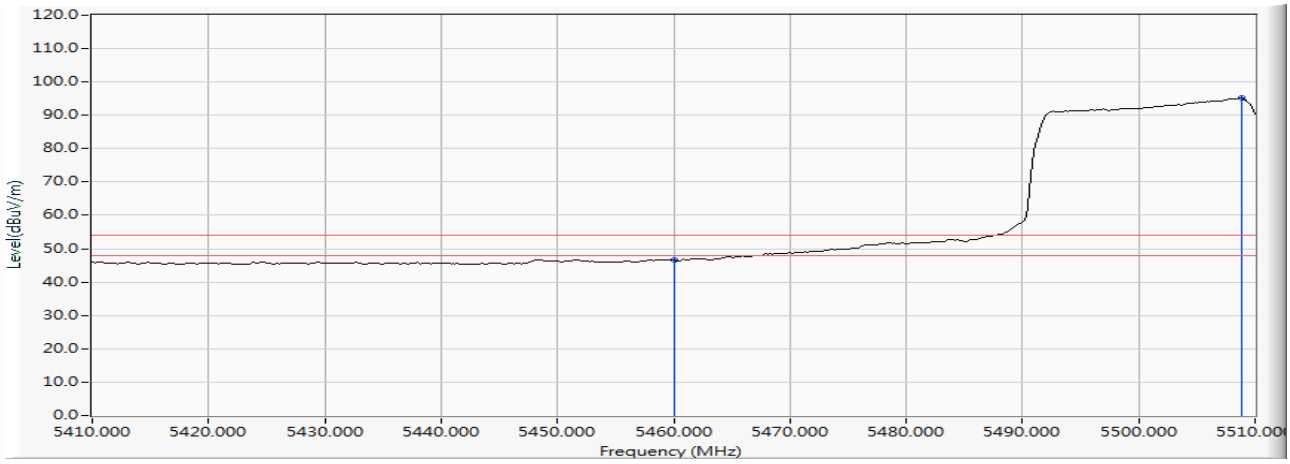
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	43.934	63.310	-10.690	74.000	PEAK
2	*	5506.522	19.616	85.447	105.063	31.063	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 102 (5510MHz)

Vertical



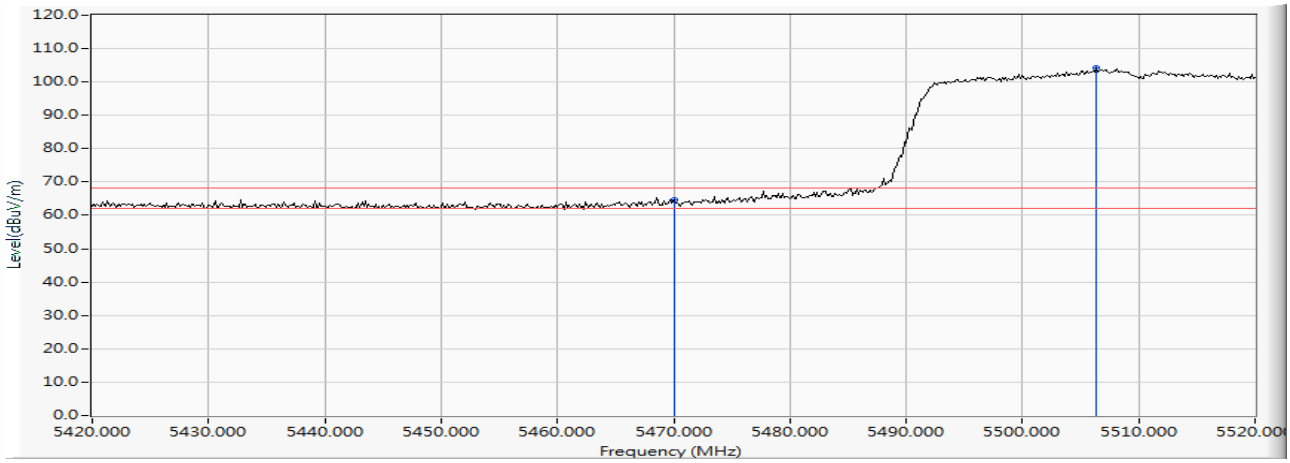
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	27.207	46.583	-7.417	54.000	AVERAGE
2	*	5508.841	19.605	75.571	95.176	41.176	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 102 (5510MHz)

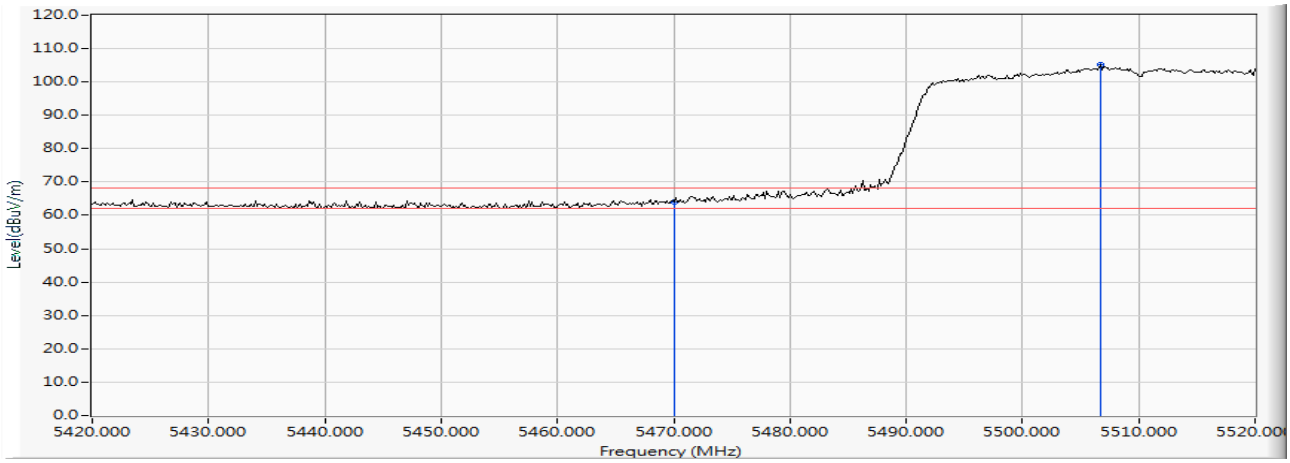
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5470.000	19.443	45.252	64.695	-3.525	68.220	PEAK
2	*	5506.377	19.617	84.466	104.083	35.863	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 102 (5510MHz)

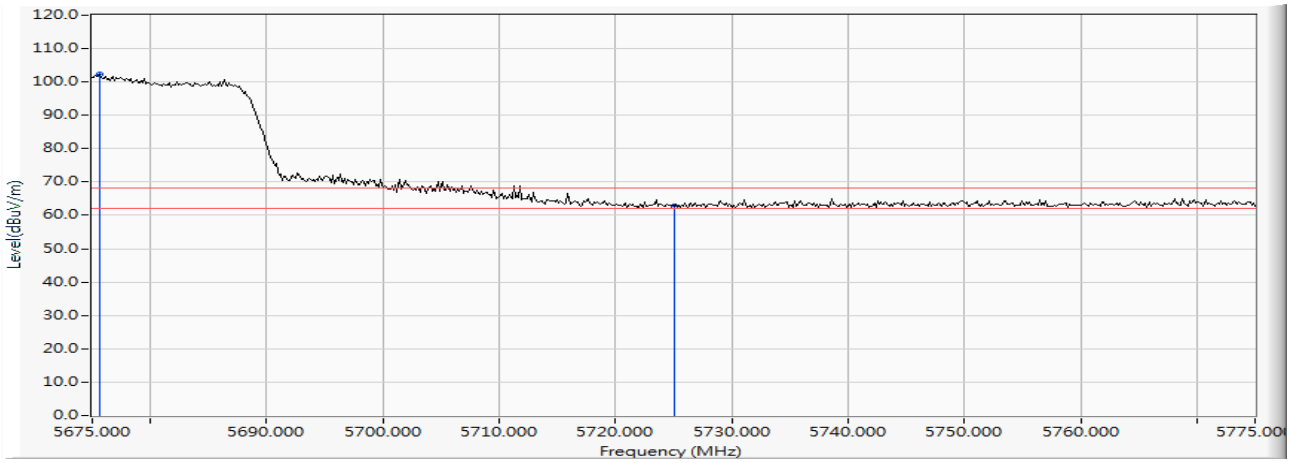
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5470.000	19.443	44.640	64.083	-4.137	68.220	PEAK
2	*	5506.667	19.616	85.434	105.050	36.830	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 134 (5670MHz)

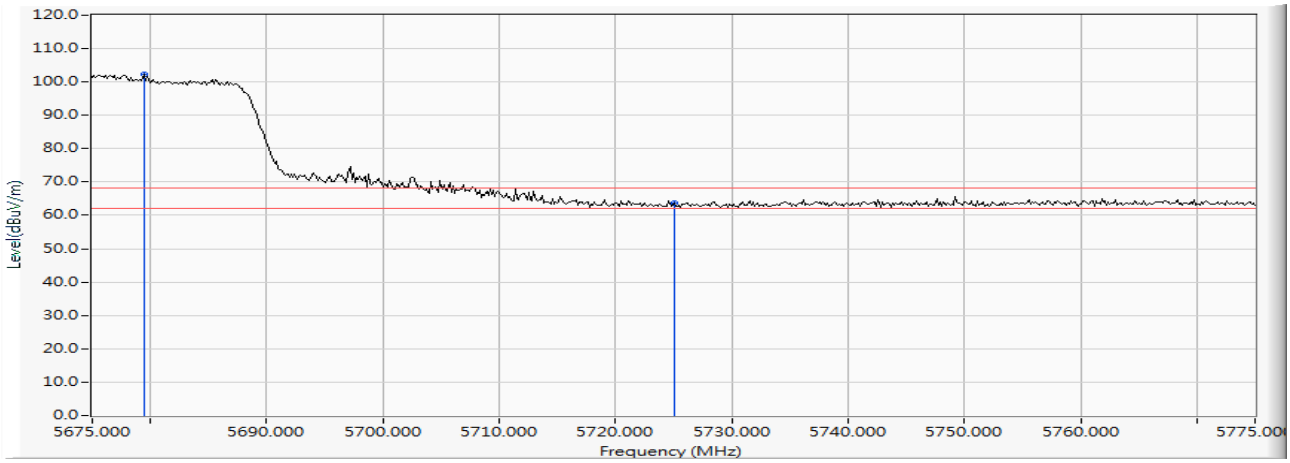
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5675.580	19.192	82.972	102.164	33.944	68.220	PEAK
2		5725.000	19.147	43.676	62.823	-5.397	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 134 (5670MHz)

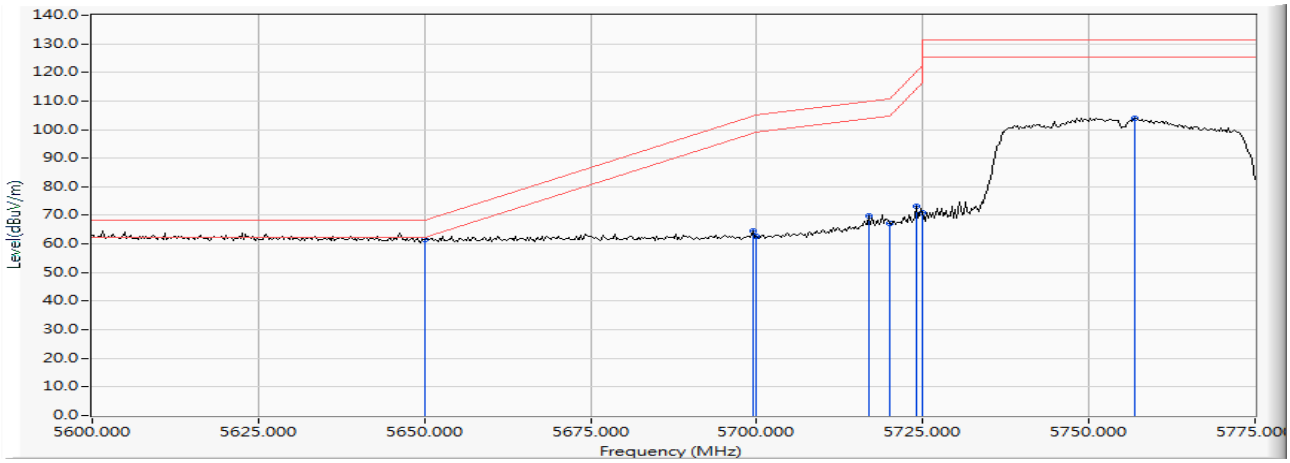
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5679.493	19.188	82.957	102.145	33.925	68.220	PEAK
2		5725.000	19.147	44.713	63.860	-4.360	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 151 (5755MHz)

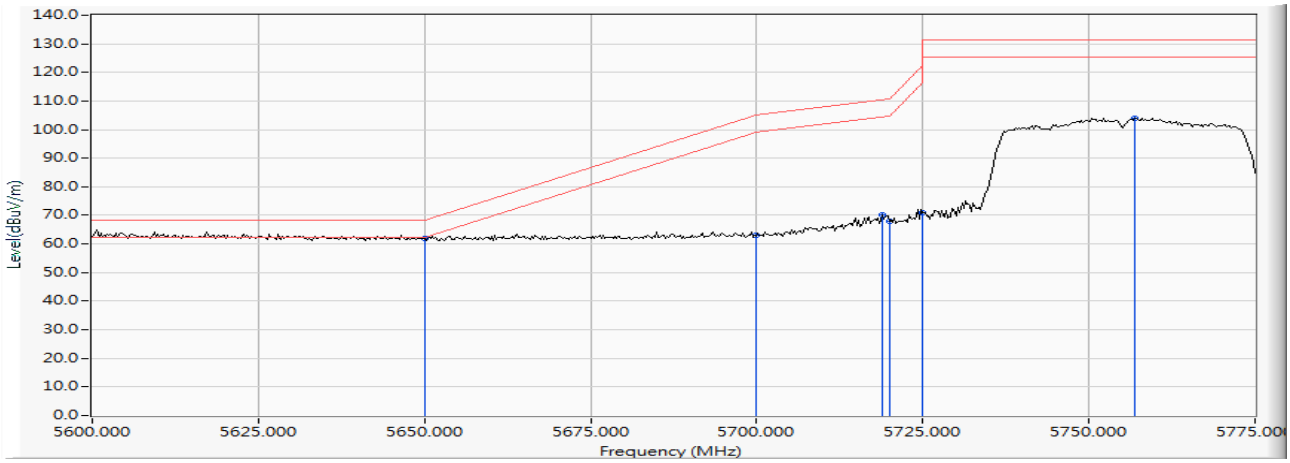
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5650.000	19.214	42.365	61.579	-6.641	68.220	PEAK
2		5699.420	19.171	45.368	64.538	-40.233	104.771	PEAK
3		5700.000	19.169	43.399	62.568	-42.632	105.200	PEAK
4		5716.920	19.154	50.581	69.735	-40.203	109.938	PEAK
5		5720.000	19.151	47.894	67.045	-43.755	110.800	PEAK
6		5724.022	19.147	53.934	73.082	-46.888	119.970	PEAK
7		5725.000	19.147	51.615	70.762	-51.438	122.200	PEAK
8		5756.993	19.168	84.874	104.043	-27.157	131.200	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 151 (5755MHz)

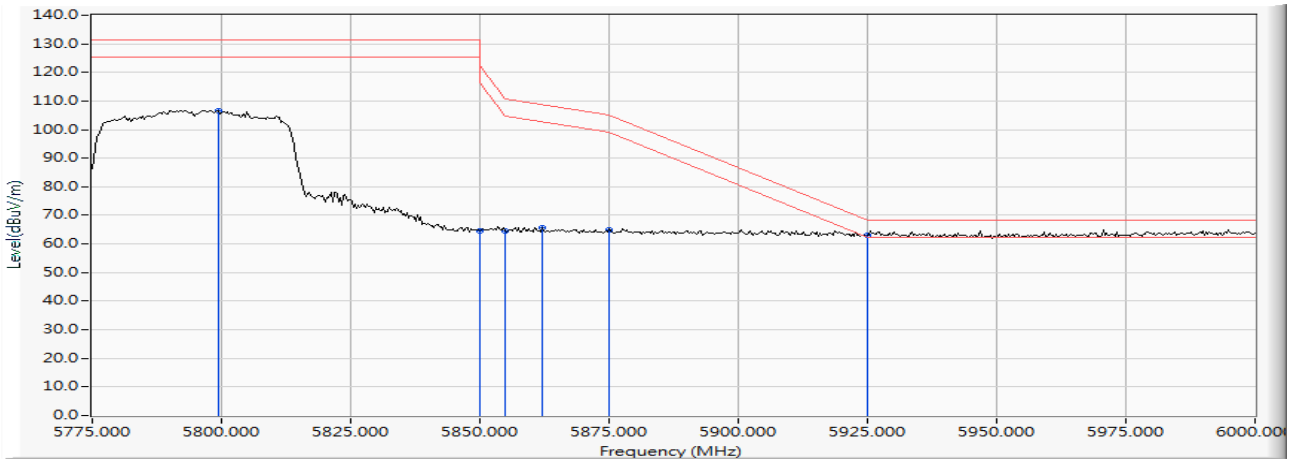
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5650.000	19.214	42.534	61.748	-6.472	68.220	PEAK
2		5700.000	19.169	43.923	63.092	-42.108	105.200	PEAK
3		5718.949	19.153	51.135	70.287	-40.219	110.506	PEAK
4		5720.000	19.151	48.724	67.875	-42.925	110.800	PEAK
5		5725.000	19.147	51.790	70.937	-51.263	122.200	PEAK
6		5756.993	19.168	84.917	104.086	-27.114	131.200	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 159 (5795MHz)

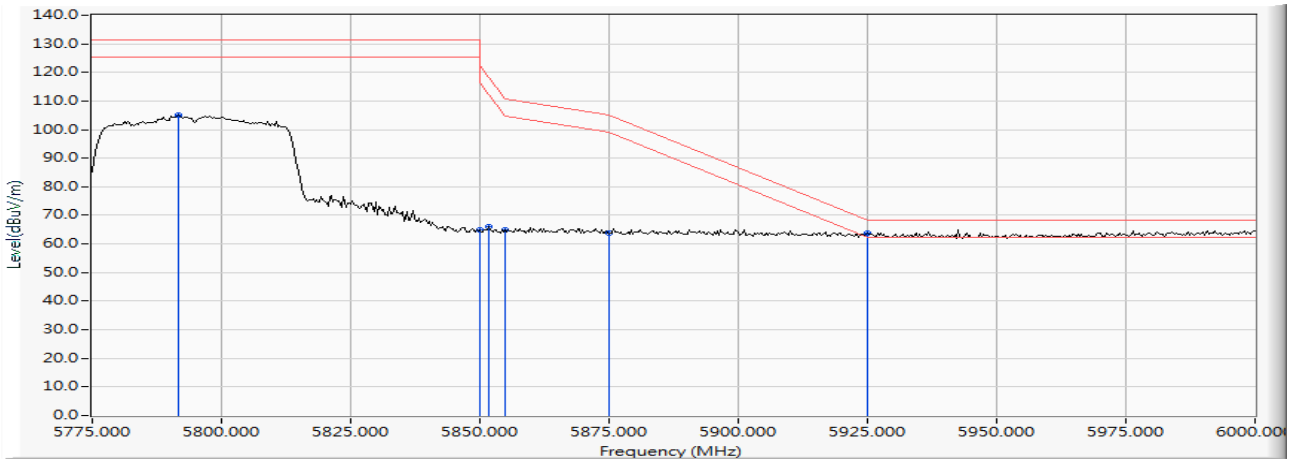
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5799.457	41.992	87.378	106.758	-24.442	131.200	PEAK
2		5850.000	42.206	44.923	64.555	-57.645	122.200	PEAK
3		5855.000	42.221	45.018	64.669	-46.131	110.800	PEAK
4		5862.065	19.677	45.999	65.676	-43.146	108.822	PEAK
5		5875.000	42.273	45.126	64.844	-40.356	105.200	PEAK
6	*	5925.000	42.392	43.152	63.027	-5.193	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)-Channel 159 (5795MHz)

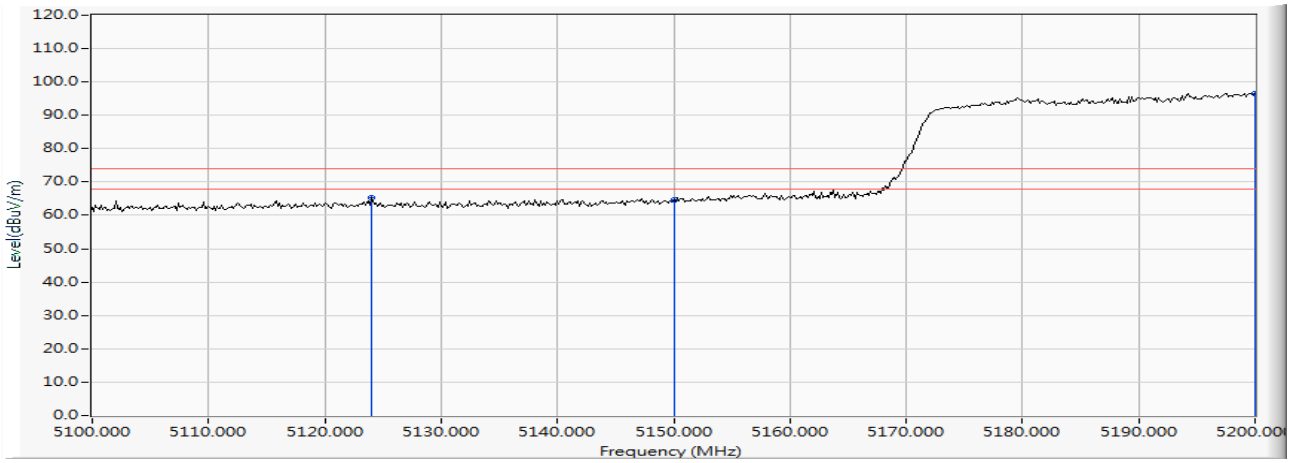
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5791.630	19.340	85.604	104.943	-26.257	131.200	PEAK
2		5850.000	19.632	45.155	64.787	-57.413	122.200	PEAK
3		5851.630	19.638	46.590	66.228	-52.256	118.484	PEAK
4		5855.000	19.651	45.122	64.773	-46.027	110.800	PEAK
5		5875.000	19.718	43.998	63.716	-41.484	105.200	PEAK
6	*	5925.000	19.875	44.063	63.938	-4.282	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 42 (5210MHz)

Horizontal



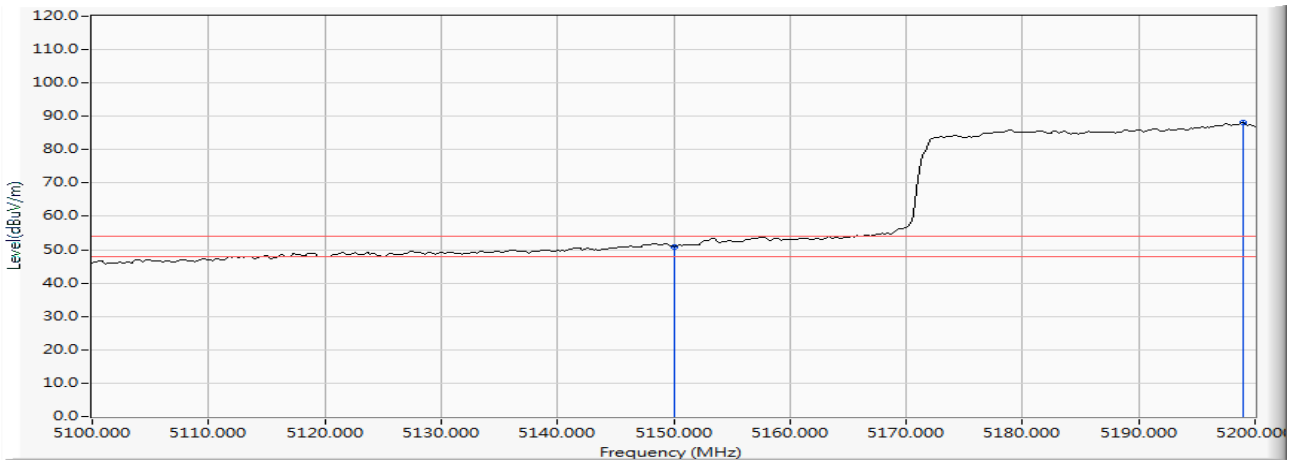
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5124.058	18.659	46.634	65.293	-8.707	74.000	PEAK
2		5150.000	18.569	46.042	64.612	-9.388	74.000	PEAK
3	*	5200.000	18.309	78.349	96.658	22.658	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 42 (5210MHz)

Horizontal



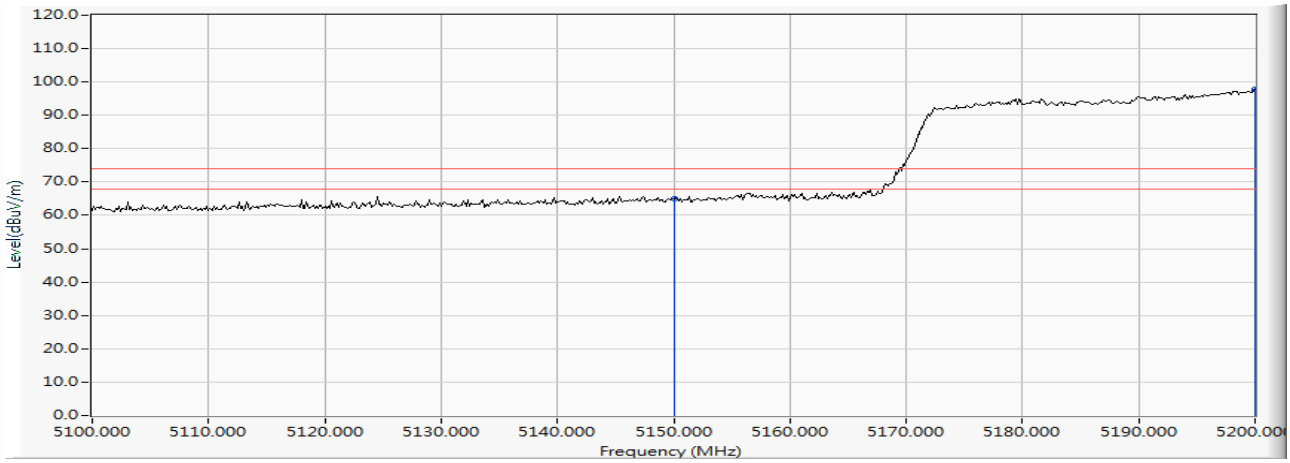
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	32.275	50.845	-3.155	54.000	AVERAGE
2	*	5198.986	18.314	69.727	88.042	34.042	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 42 (5210MHz)

Vertical



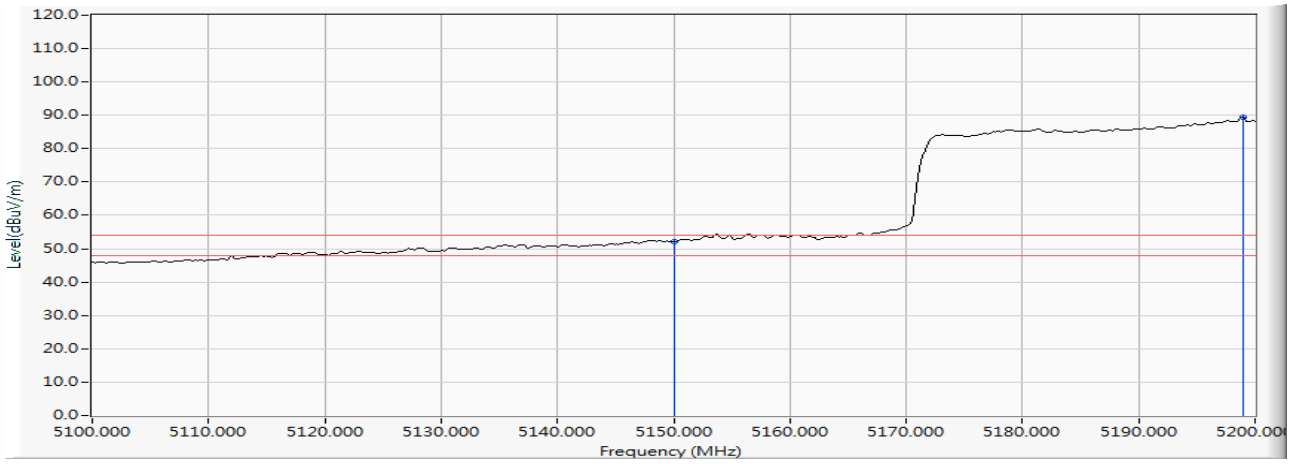
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	46.316	64.886	-9.114	74.000	PEAK
2	*	5200.000	18.309	79.342	97.651	23.651	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 42 (5210MHz)

Vertical



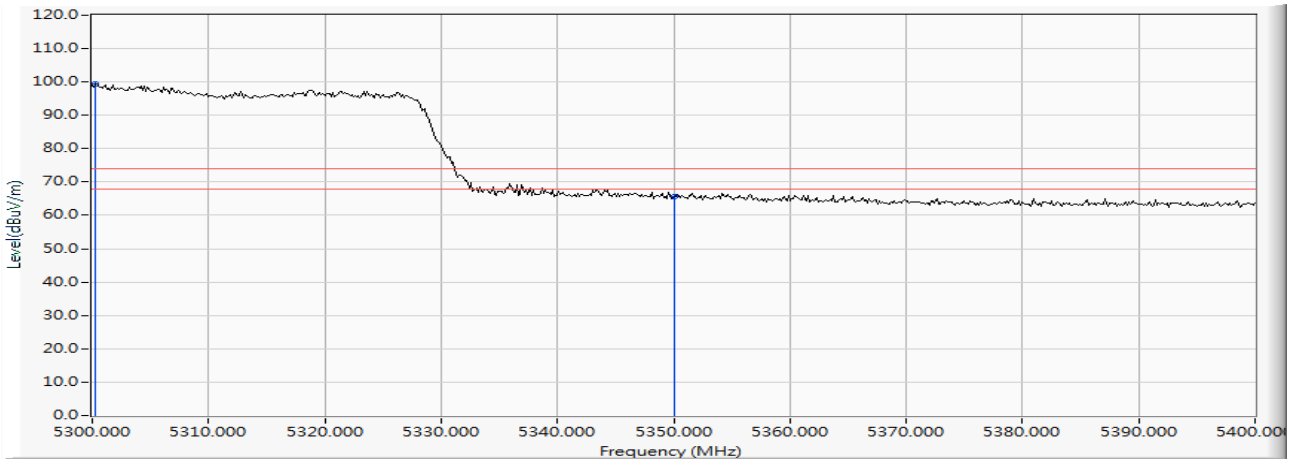
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5150.000	18.569	33.483	52.053	-1.947	54.000	AVERAGE
2	*	5198.986	18.314	71.086	89.401	35.401	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 58 (5290MHz)

Horizontal



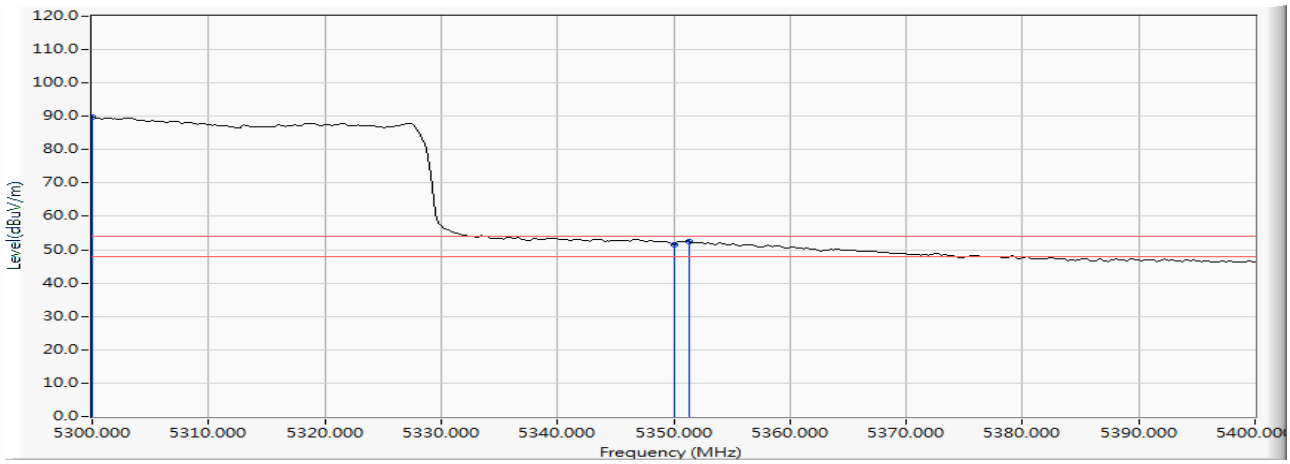
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5300.290	18.487	80.936	99.423	25.423	74.000	PEAK
2		5350.000	18.823	46.782	65.605	-8.395	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 58 (5290MHz)

Horizontal



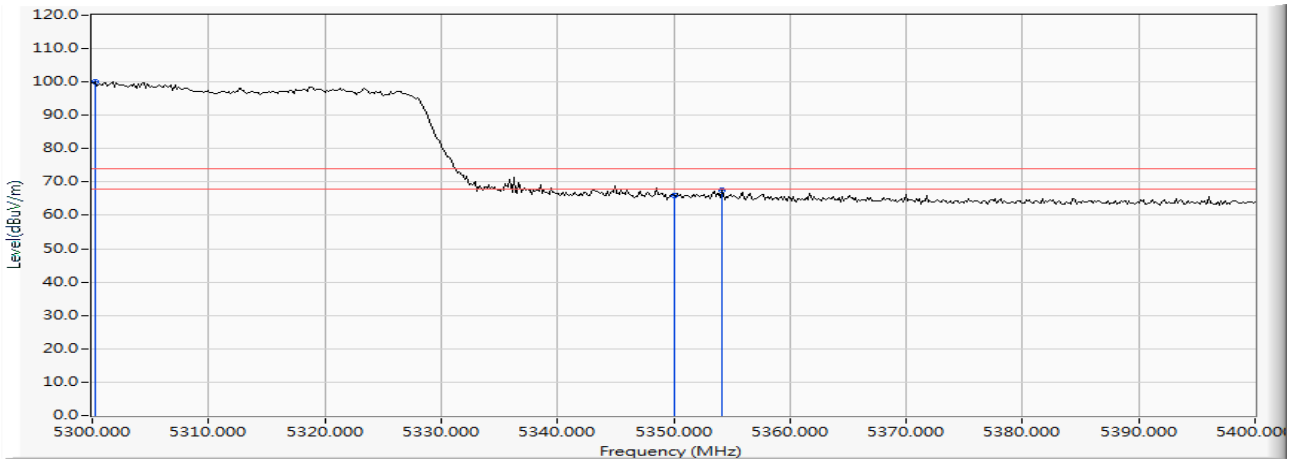
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5300.000	18.484	71.279	89.763	35.763	54.000	AVERAGE
2		5350.000	18.823	32.812	51.635	-2.365	54.000	AVERAGE
3		5351.304	18.831	33.743	52.574	-1.426	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 58 (5290MHz)

Vertical



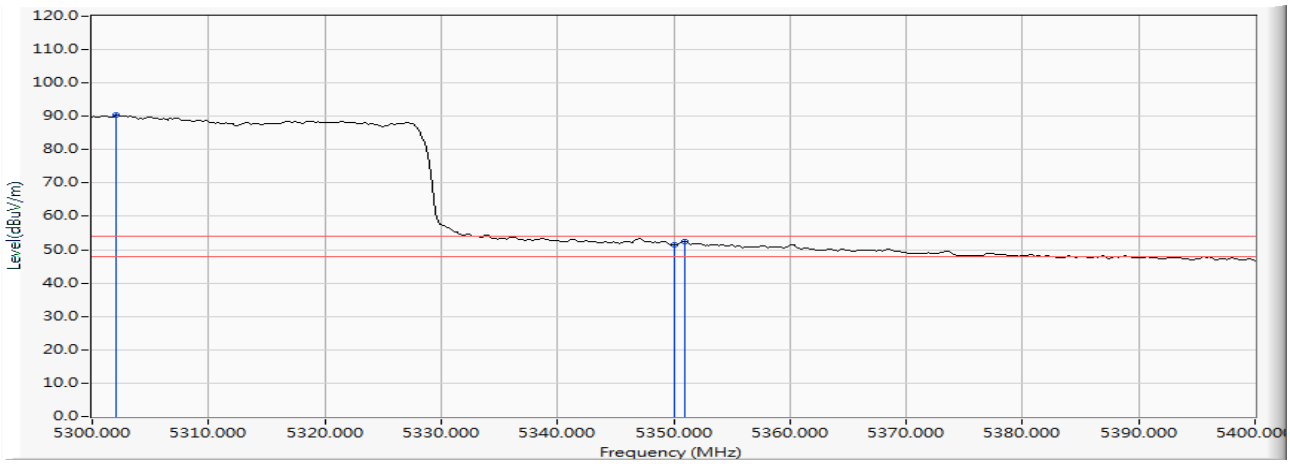
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5300.290	18.487	81.639	100.126	26.126	74.000	PEAK
2		5350.000	18.823	47.085	65.908	-8.092	74.000	PEAK
3		5354.203	18.847	48.767	67.613	-6.387	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 58 (5290MHz)

Vertical



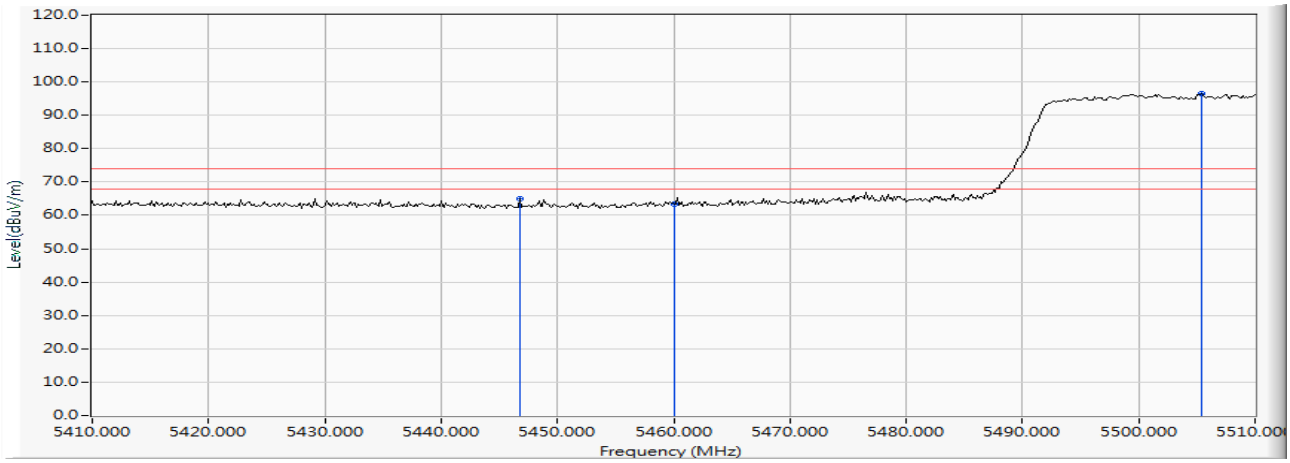
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5302.029	18.499	71.840	90.340	36.340	54.000	AVERAGE
2		5350.000	18.823	32.640	51.463	-2.537	54.000	AVERAGE
3		5351.014	18.829	33.568	52.397	-1.603	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 106 (5530MHz)

Horizontal



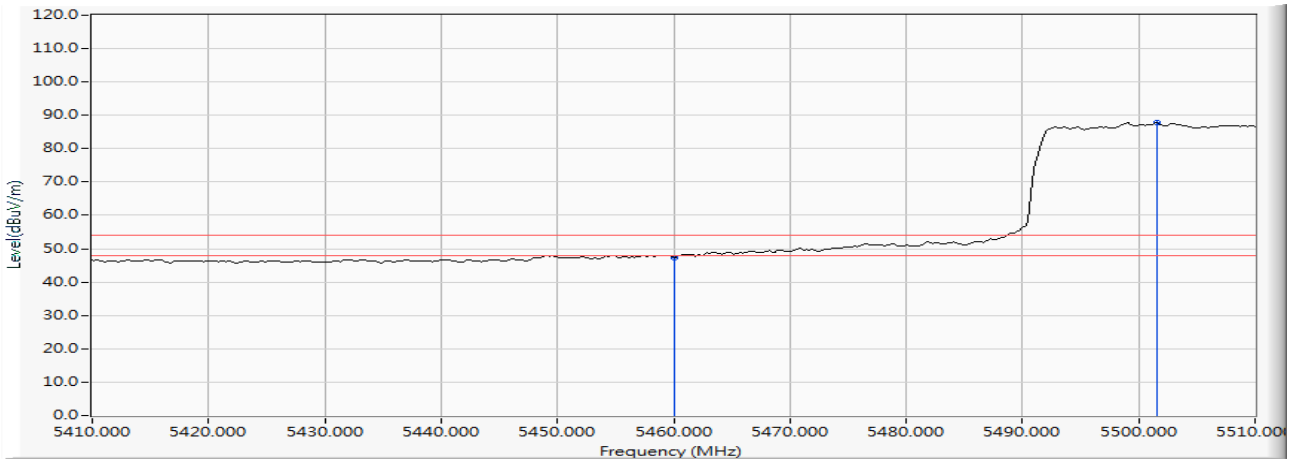
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5446.812	19.297	45.676	64.973	-9.027	74.000	PEAK
2		5460.000	19.376	43.886	63.262	-10.738	74.000	PEAK
3	*	5505.362	19.622	76.868	96.490	22.490	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 106 (5530MHz)

Horizontal



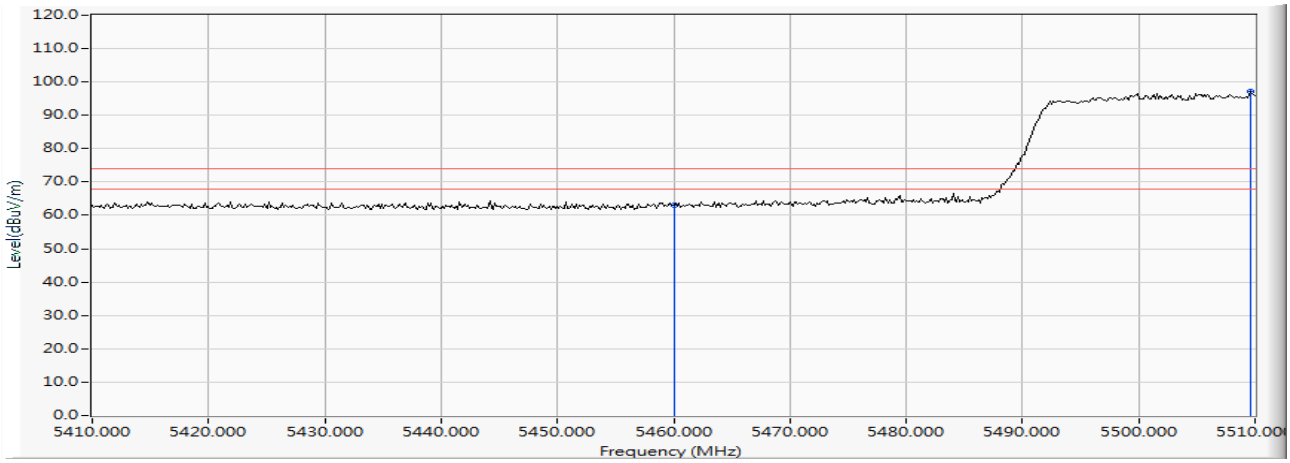
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	27.983	47.359	-6.641	54.000	AVERAGE
2	*	5501.594	19.612	68.191	87.803	33.803	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 106 (5530MHz)

Vertical



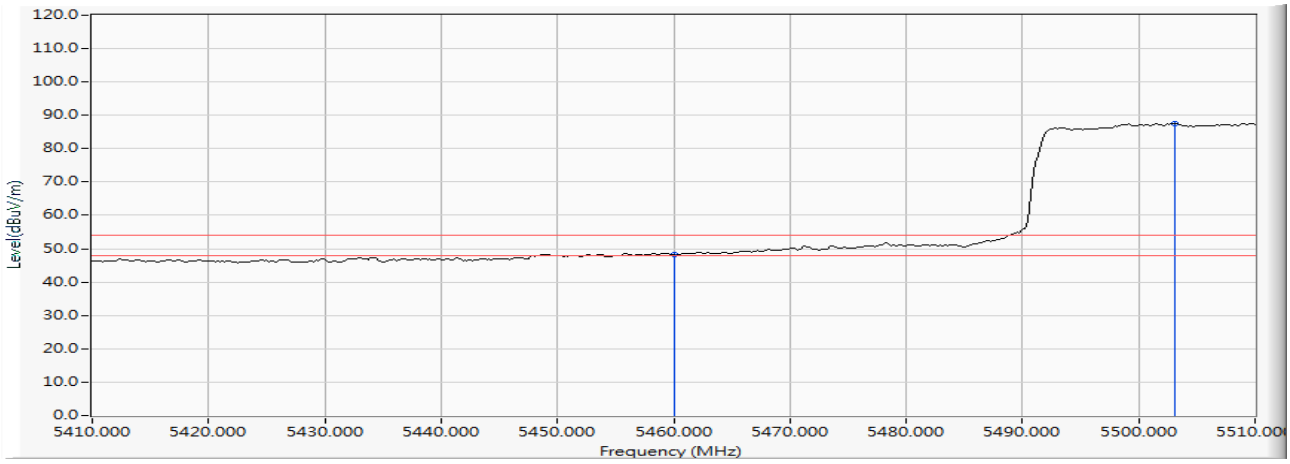
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	43.696	63.072	-10.928	74.000	PEAK
2	*	5509.565	19.601	77.521	97.122	23.122	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 106 (5530MHz)

Vertical



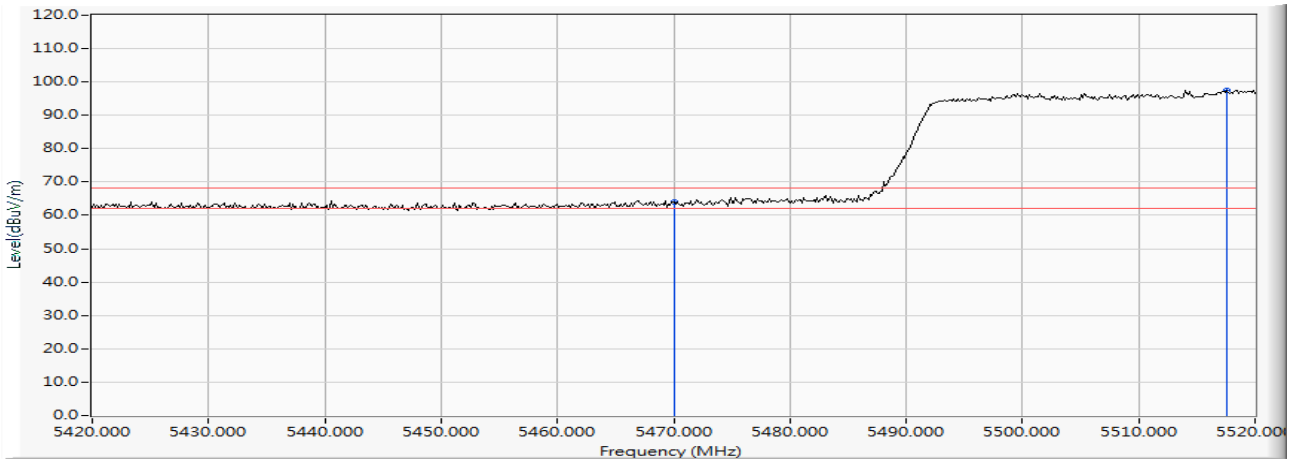
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5460.000	19.376	28.830	48.206	-5.794	54.000	AVERAGE
2	*	5503.043	19.617	68.047	87.664	33.664	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 106 (5530MHz)

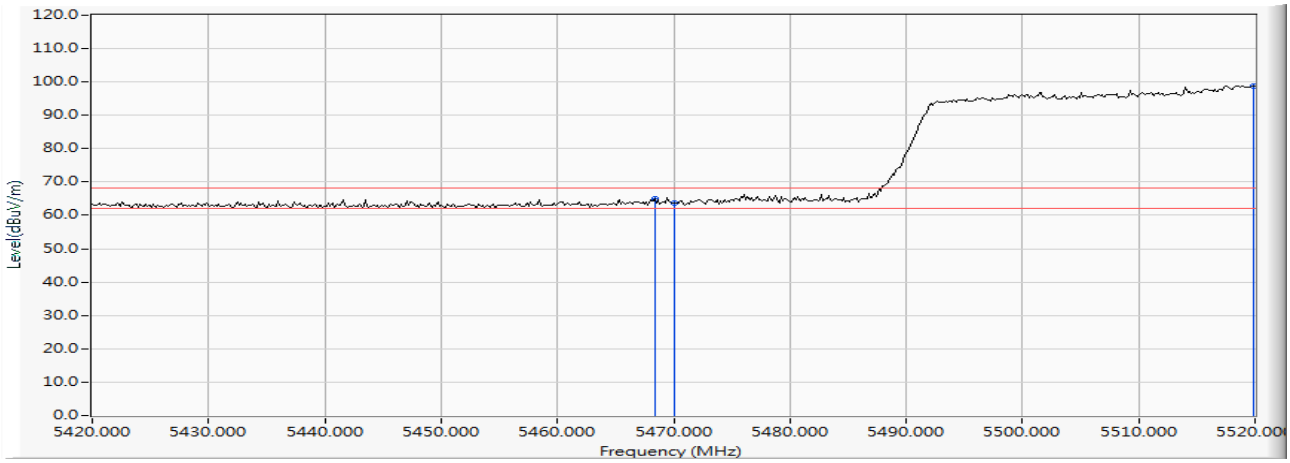
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5470.000	19.443	44.624	64.067	-4.153	68.220	PEAK
2	*	5517.536	19.562	77.968	97.530	29.310	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 106 (5530MHz)

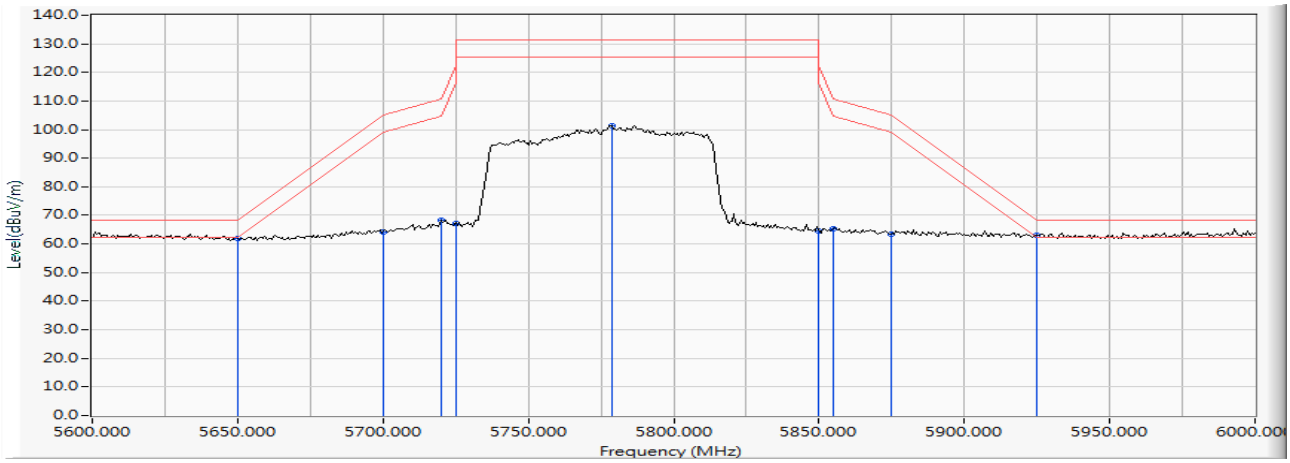
Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5468.406	19.432	45.427	64.859	-3.361	68.220	PEAK
2		5470.000	19.443	44.176	63.619	-4.601	68.220	PEAK
3	*	5519.855	19.550	79.326	98.876	30.656	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 155 (5775MHz)

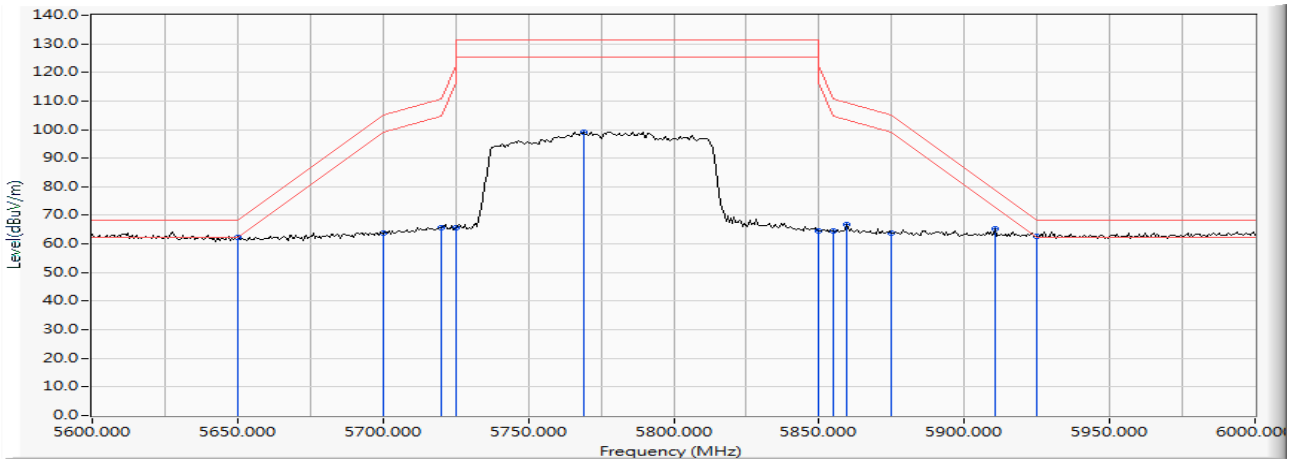
Horizontal



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5650.000	19.214	42.579	61.793	-6.427	68.220	PEAK
2		5700.000	19.169	45.049	64.218	-40.982	105.200	PEAK
3		5720.000	19.151	49.004	68.155	-42.645	110.800	PEAK
4		5725.000	19.147	48.084	67.231	-54.969	122.200	PEAK
5		5778.551	19.272	82.067	101.339	-29.861	131.200	PEAK
6		5850.000	19.632	45.112	64.744	-57.456	122.200	PEAK
7		5855.000	19.651	45.519	65.170	-45.630	110.800	PEAK
8		5875.000	19.718	43.783	63.501	-41.699	105.200	PEAK
9	*	5925.000	19.875	43.033	62.908	-5.312	68.220	PEAK

Product : 23.1 inches Bar type Digital Signage
Test Item : Band Edge Data
Test Date : 2019/10/25
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) -Channel 155 (5775MHz)

Vertical



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5650.000	19.214	43.183	62.397	-5.823	68.220	PEAK
2		5700.000	19.169	44.496	63.665	-41.535	105.200	PEAK
3		5720.000	19.151	46.364	65.515	-45.285	110.800	PEAK
4		5725.000	19.147	46.447	65.594	-56.606	122.200	PEAK
5		5769.275	19.224	79.901	99.125	-32.075	131.200	PEAK
6		5850.000	19.632	44.968	64.600	-57.600	122.200	PEAK
7		5855.000	19.651	44.970	64.621	-46.179	110.800	PEAK
8		5859.710	19.668	47.192	66.860	-42.621	109.481	PEAK
9		5875.000	19.718	44.143	63.861	-41.339	105.200	PEAK
10		5910.725	19.829	45.517	65.347	-13.431	78.778	PEAK
11	*	5925.000	19.875	42.709	62.584	-5.636	68.220	PEAK