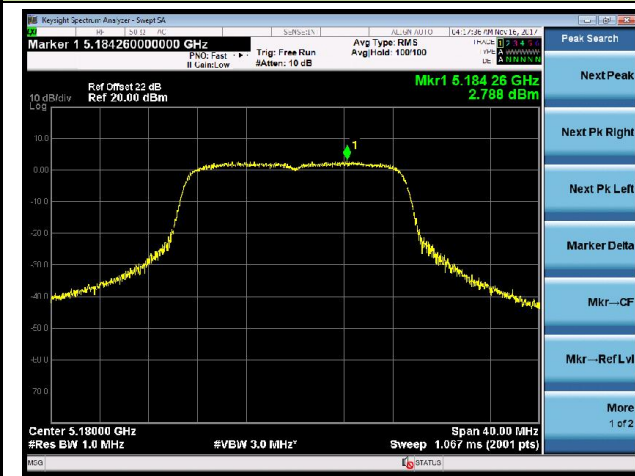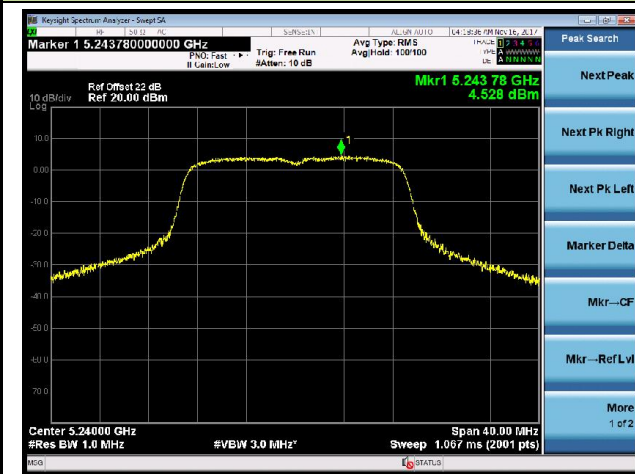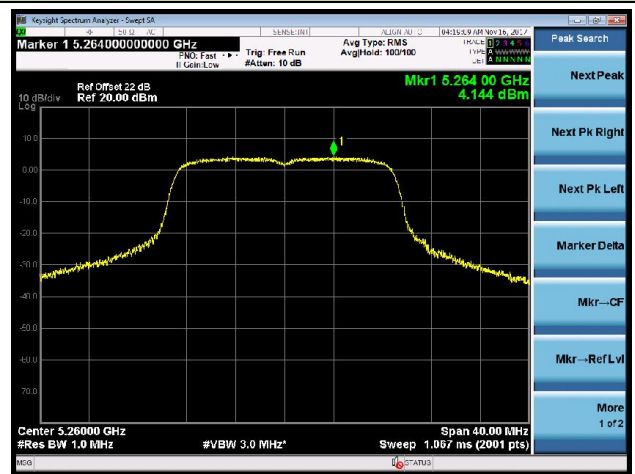| 802.11n-HT20 Power Spectral Density	
Channel 36 (5180MHz)	**Channel 44 (5220MHz)**
Channel 48 (5240MHz)	**Channel 52 (5260MHz)**
Channel 60 (5300MHz)	**Channel 64 (5320MHz)**
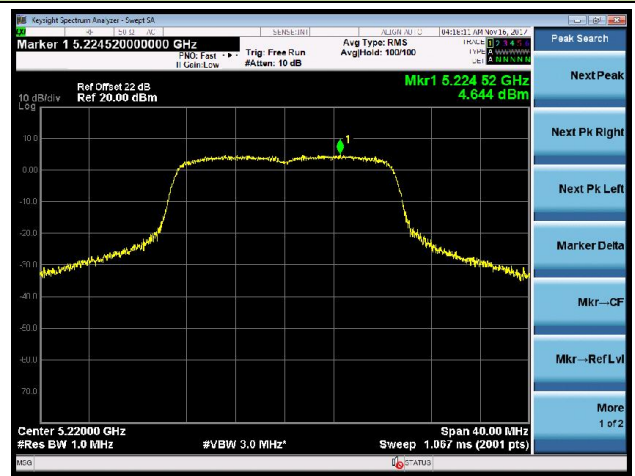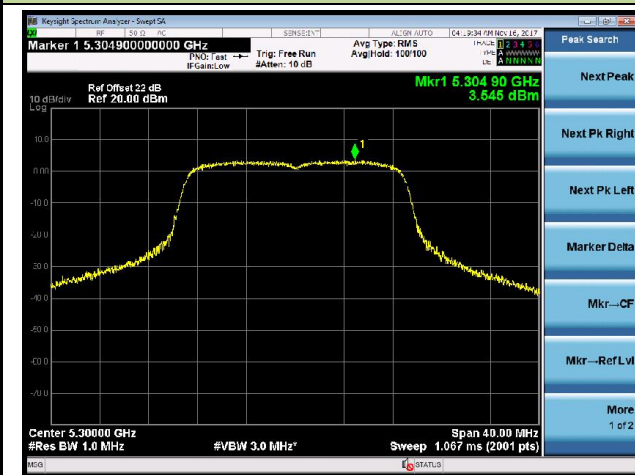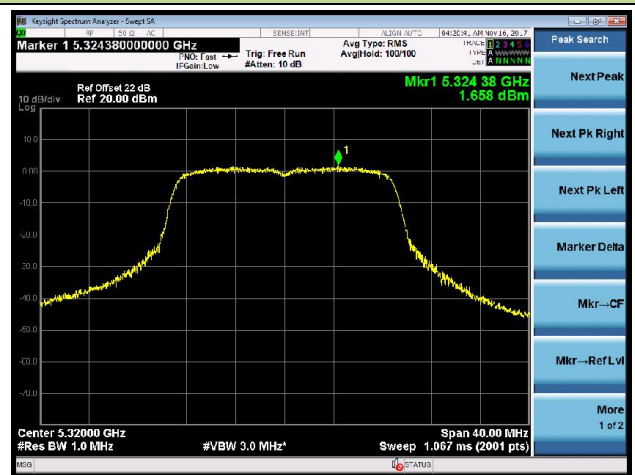
802.11n-HT20 Power Spectral Density

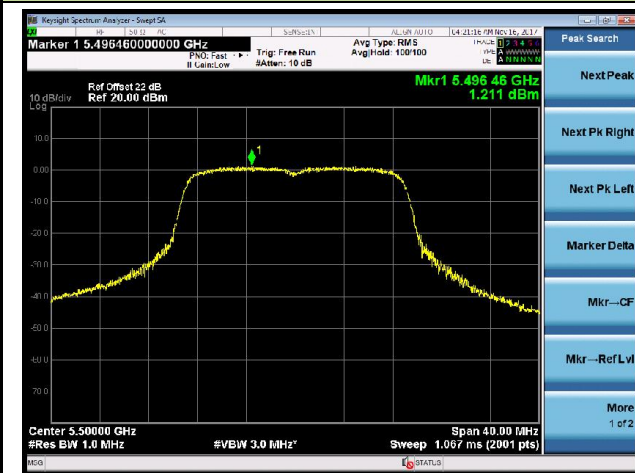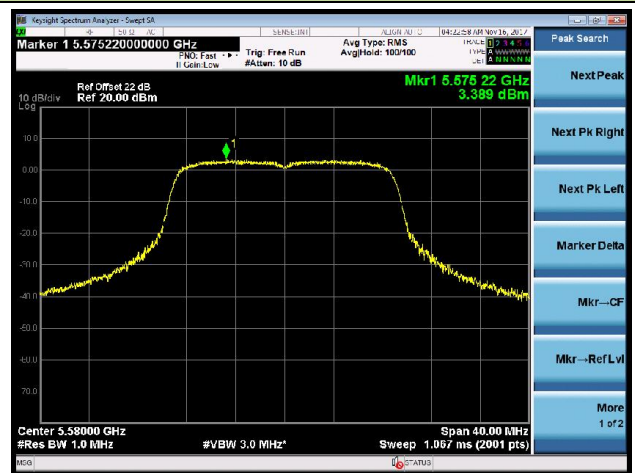| Channel 100 (5500MHz)	Channel 116 (5580MHz)
Channel 120 (5600MHz)	**Channel 140 (5700MHz)**
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
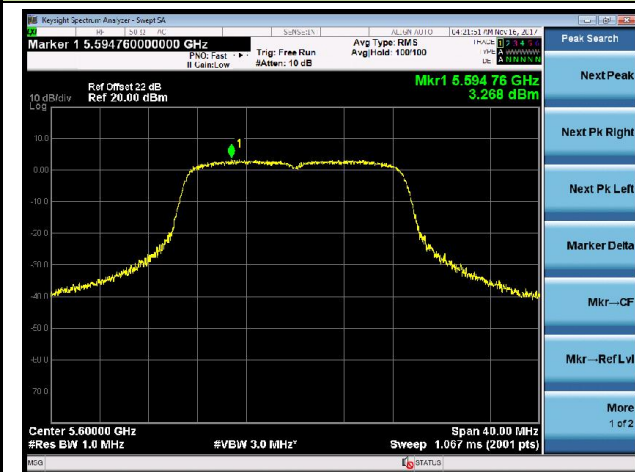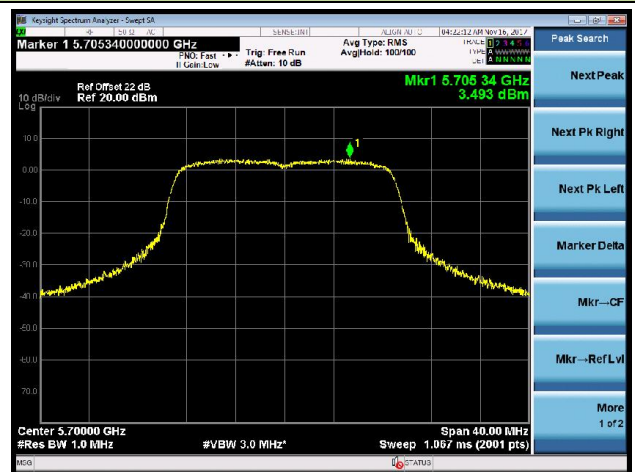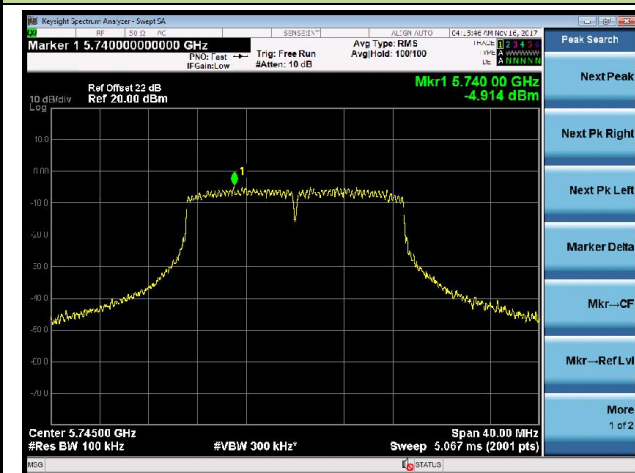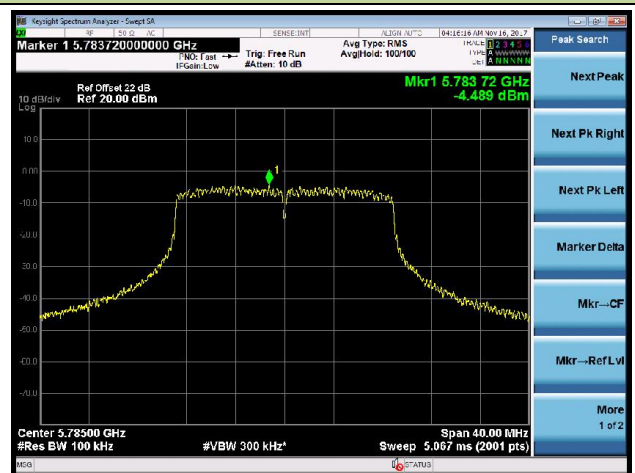
802.11n-HT20 Power Spectral Density	
Channel 165 (5825MHz)	
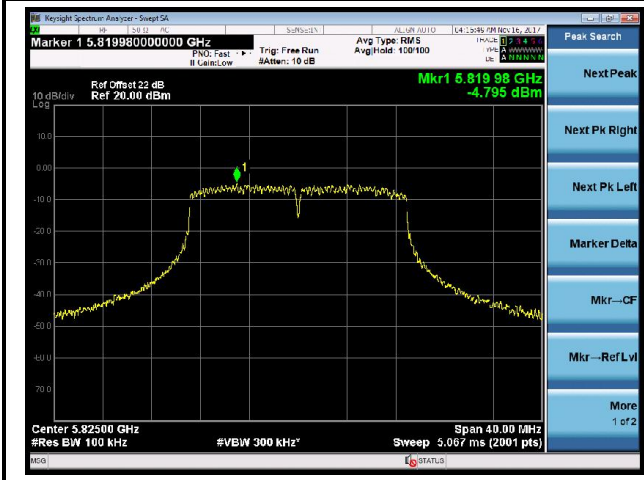
7.7. Frequency Stability Measurement

7.7.1.Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7.7.2.Test Procedure Used

Frequency Stability Under Temperature Variations:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

7.7.3.Test Setup
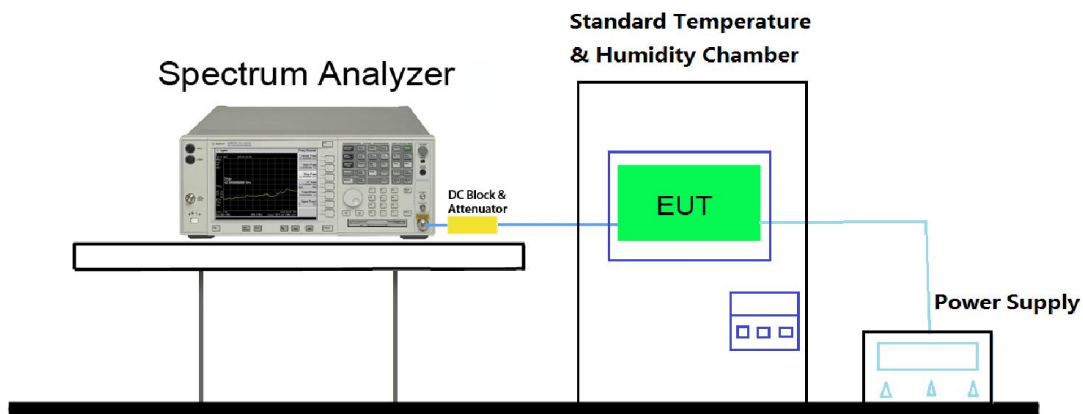
7.7.4.Test Result

Test Engineer	Bruce Wang	Temperature	-30 ~ 50°C
Test Time	2017/11/16	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	TR3

Voltage	Power	Temp	Frequency Tolerance (ppm)			
(%)	(VAC)	(°C)	0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	1.75	1.61	1.11	0.46
		- 20	1.61	1.59	1.09	0.42
		- 10	1.57	1.55	0.97	0.26
		0	1.35	1.28	0.92	0.15
		+ 10	1.29	0.94	0.59	-0.29
		+ 20 (Ref)	0.69	0.46	0.33	-0.8
		+ 30	0.18	0.07	-1.44	-1.58
		+ 40	-0.51	-0.54	-2.09	-2.13
		+ 50	-1.68	-1.78	-2.36	-2.36
115%	138	+ 20	0.35	0.43	0.14	-1.16
85%	102	+ 20	0.03	-0.22	-1.65	-1.26

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) – Declared Frequency (Hz)] / Declared Frequency (Hz)} $*10^6$.

7.8. Radiated Spurious Emission Measurement

7.8.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47

CFR must not exceed the limits shown in Table per Section 15.209.

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

7.8.2.Test Procedure Used

KDB 789033 D02v02 – Section G

7.8.3.Test Setting

Quasi-Peak& Average Measurements below 30MHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency

4. Detector = CISPR quasi-peak or power average (Average)

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = 120 kHz

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. If duty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW ≥ 1/T.

4. Detector = Peak

5. Sweep time = auto

6. Trace mode = max hold

7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

7.8.4.Test Setup

9kHz ~ 30MHz Test Setup:
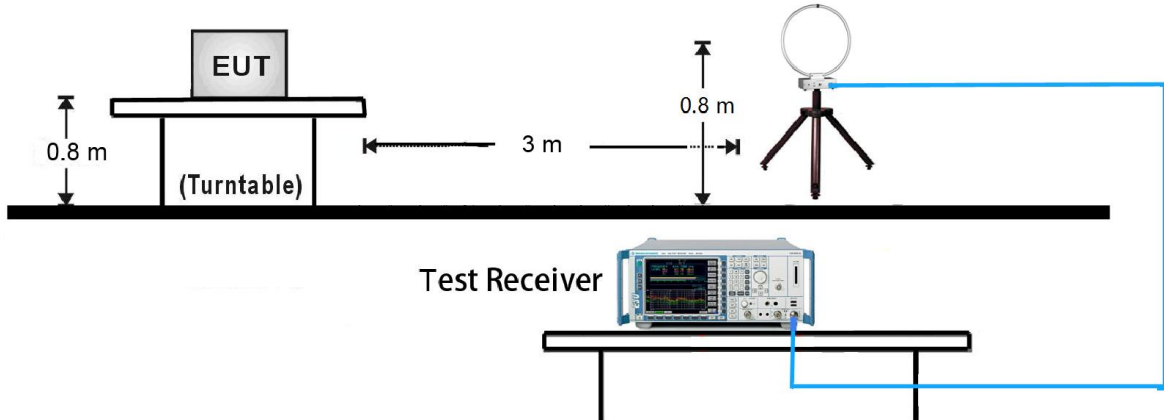
30MHz ~ 1GHz Test Setup:
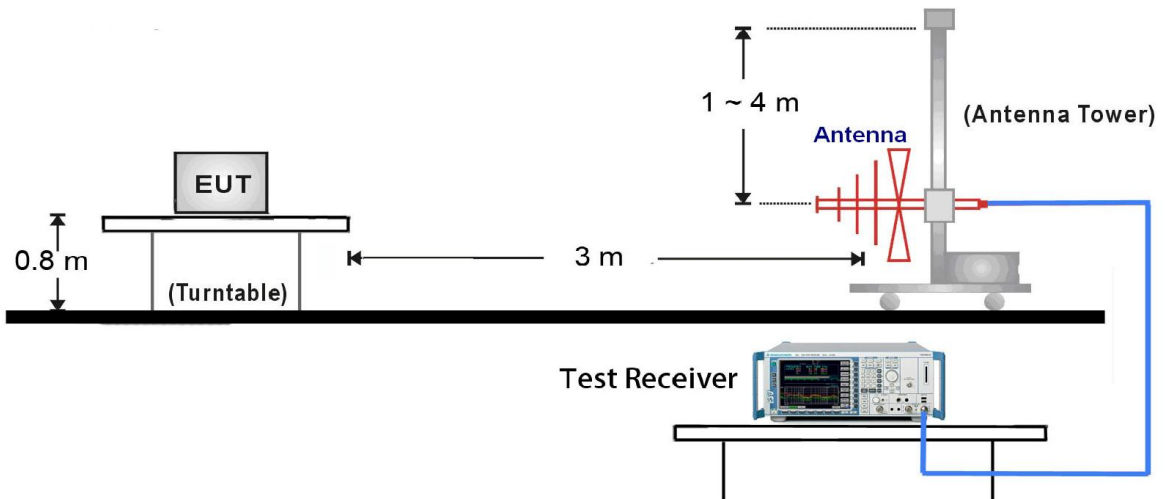
1GHz ~18GHz Test Setup:
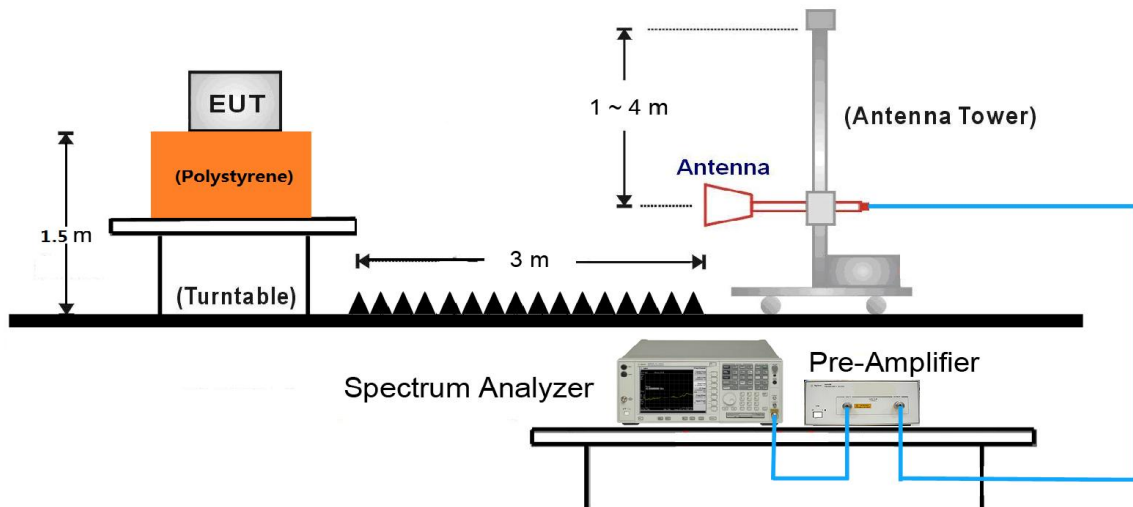
18GHz ~40GHz Test Setup:
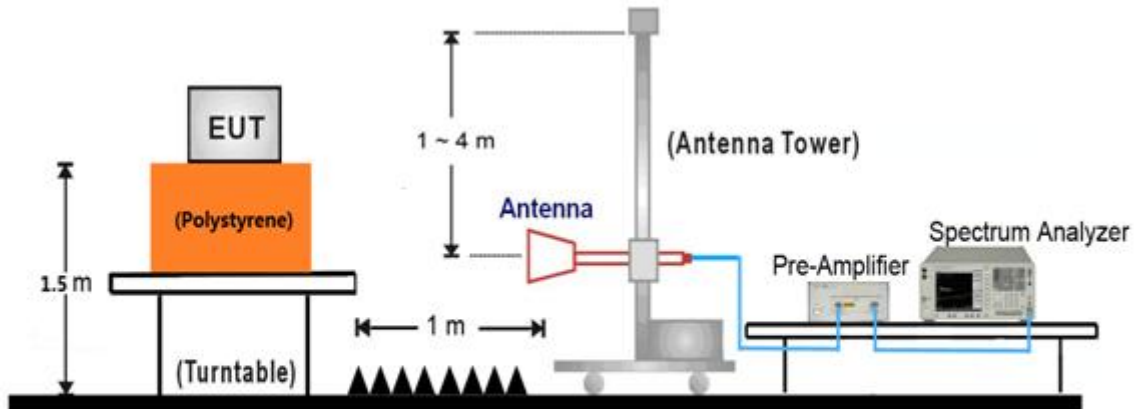
7.8.5.Test Result

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8837.0	35.2	9.1	44.3	68.2	-23.9	Peak	Horizontal
*	9746.5	34.5	11.3	45.8	68.2	-22.4	Peak	Horizontal
	10885.5	34.2	12.9	47.1	74.0	-26.9	Peak	Horizontal
	11557.0	34.6	12.7	47.3	74.0	-26.7	Peak	Horizontal
*	8837.0	34.8	9.1	43.9	68.2	-24.3	Peak	Vertical
*	9899.5	34.0	11.6	45.6	68.2	-22.6	Peak	Vertical
	11055.5	34.1	12.9	47.0	74.0	-27.0	Peak	Vertical
	12101.0	35.1	12.0	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8650.0	35.7	8.8	44.5	68.2	-23.7	Peak	Horizontal
*	9848.5	35.0	11.6	46.6	68.2	-21.6	Peak	Horizontal
	11370.0	34.9	12.6	47.5	74.0	-26.5	Peak	Horizontal
	12092.5	34.7	12.0	46.7	74.0	-27.3	Peak	Horizontal
*	8616.0	35.2	8.8	44.0	68.2	-24.2	Peak	Vertical
*	9789.0	34.6	11.4	46.0	68.2	-22.2	Peak	Vertical
	10800.5	35.3	12.6	47.9	74.0	-26.1	Peak	Vertical
	11404.0	34.8	12.6	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	34.4	9.0	43.4	68.2	-24.8	Peak	Horizontal
*	9806.0	34.0	11.5	45.5	68.2	-22.7	Peak	Horizontal
	10885.5	33.8	12.9	46.7	74.0	-27.3	Peak	Horizontal
	11497.5	34.1	12.8	46.9	74.0	-27.1	Peak	Horizontal
*	8675.5	34.3	8.9	43.2	68.2	-25.0	Peak	Vertical
*	9882.5	34.0	11.6	45.6	68.2	-22.6	Peak	Vertical
	11302.0	34.8	12.5	47.3	74.0	-26.7	Peak	Vertical
	11982.0	34.9	11.9	46.8	74.0	-27.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8854.0	34.1	9.1	43.2	68.2	-25.0	Peak	Horizontal
*	9763.5	33.8	11.4	45.2	68.2	-23.0	Peak	Horizontal
	11081.0	33.9	12.9	46.8	74.0	-27.2	Peak	Horizontal
	12075.5	34.1	12.0	46.1	74.0	-27.9	Peak	Horizontal
*	8726.5	35.3	9.0	44.3	68.2	-23.9	Peak	Vertical
*	9780.5	33.3	11.4	44.7	68.2	-23.5	Peak	Vertical
	10885.5	34.7	12.9	47.6	74.0	-26.4	Peak	Vertical
	11642.0	34.4	12.4	46.8	74.0	-27.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	34.7	9.1	43.8	68.2	-24.4	Peak	Horizontal
*	9763.5	33.8	11.4	45.2	68.2	-23.0	Peak	Horizontal
	10919.5	34.4	13.0	47.4	74.0	-26.6	Peak	Horizontal
	11582.5	34.8	12.6	47.4	74.0	-26.6	Peak	Horizontal
*	8871.0	34.5	9.1	43.6	68.2	-24.6	Peak	Vertical
*	9857.0	33.5	11.6	45.1	68.2	-23.1	Peak	Vertical
	11021.5	33.4	13.0	46.4	74.0	-27.6	Peak	Vertical
	11642.0	34.5	12.4	46.9	74.0	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	34.8	8.9	43.7	68.2	-24.5	Peak	Horizontal
*	9695.5	33.7	10.9	44.6	68.2	-23.6	Peak	Horizontal
	11115.0	34.6	12.7	47.3	74.0	-26.7	Peak	Horizontal
	11684.5	34.4	12.1	46.5	74.0	-27.5	Peak	Horizontal
*	8684.0	33.4	9.0	42.4	68.2	-25.8	Peak	Vertical
*	9721.0	33.1	11.1	44.2	68.2	-24.0	Peak	Vertical
	10851.5	33.6	12.8	46.4	74.0	-27.6	Peak	Vertical
	11956.5	34.2	11.9	46.1	74.0	-27.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.1	9.0	42.1	68.2	-26.1	Peak	Horizontal
*	9712.5	34.2	11.0	45.2	68.2	-23.0	Peak	Horizontal
	10817.5	33.2	12.7	45.9	74.0	-28.1	Peak	Horizontal
	12067.0	34.5	12.0	46.5	74.0	-27.5	Peak	Horizontal
*	8769.0	35.1	8.9	44.0	68.2	-24.2	Peak	Vertical
*	9908.0	33.3	11.6	44.9	68.2	-23.3	Peak	Vertical
	10690.0	34.7	12.4	47.1	74.0	-26.9	Peak	Vertical
	11531.5	34.5	12.7	47.2	74.0	-26.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8633.0	35.2	8.8	44.0	68.2	-24.2	Peak	Horizontal
*	9772.0	33.6	11.4	45.0	68.2	-23.2	Peak	Horizontal
	10817.5	33.9	12.7	46.6	74.0	-27.4	Peak	Horizontal
	12279.5	34.2	11.7	45.9	74.0	-28.1	Peak	Horizontal
*	8837.0	33.5	9.1	42.6	68.2	-25.6	Peak	Vertical
*	9916.5	32.8	11.5	44.3	68.2	-23.9	Peak	Vertical
	10817.5	33.6	12.7	46.3	74.0	-27.7	Peak	Vertical
	11557.0	35.3	12.7	48.0	74.0	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8905.0	34.7	9.2	43.9	68.2	-24.3	Peak	Horizontal
*	9806.0	33.3	11.5	44.8	68.2	-23.4	Peak	Horizontal
	10630.5	34.1	12.4	46.5	74.0	-27.5	Peak	Horizontal
	11557.0	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
*	8735.0	34.4	8.9	43.3	68.2	-24.9	Peak	Vertical
*	9882.5	34.2	11.6	45.8	68.2	-22.4	Peak	Vertical
	10851.5	34.9	12.8	47.7	74.0	-26.3	Peak	Vertical
	11582.5	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8684.0	35.2	9.0	44.2	68.2	-24.0	Peak	Horizontal
*	9891.0	35.7	11.6	47.3	68.2	-20.9	Peak	Horizontal
	10851.5	34.9	12.8	47.7	74.0	-26.3	Peak	Horizontal
	11582.5	34.5	12.6	47.1	74.0	-26.9	Peak	Horizontal
*	8862.5	34.8	9.1	43.9	68.2	-24.3	Peak	Vertical
*	9865.5	32.9	11.6	44.5	68.2	-23.7	Peak	Vertical
	11395.5	34.2	12.6	46.8	74.0	-27.2	Peak	Vertical
	12211.5	35.0	11.7	46.7	74.0	-27.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8675.5	34.0	8.9	42.9	68.2	-25.3	Peak	Horizontal
*	9653.0	33.4	11.0	44.4	68.2	-23.8	Peak	Horizontal
	10758.0	34.5	12.5	47.0	74.0	-27.0	Peak	Horizontal
	11905.5	34.3	11.8	46.1	74.0	-27.9	Peak	Horizontal
*	8786.0	35.0	8.9	43.9	68.2	-24.3	Peak	Vertical
*	9746.5	33.5	11.3	44.8	68.2	-23.4	Peak	Vertical
	10928.0	34.1	13.0	47.1	74.0	-26.9	Peak	Vertical
	11633.5	33.8	12.4	46.2	74.0	-27.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8896.5	34.3	9.2	43.5	68.2	-24.7	Peak	Horizontal
*	9636.0	33.6	11.0	44.6	68.2	-23.6	Peak	Horizontal
	10826.0	34.0	12.7	46.7	74.0	-27.3	Peak	Horizontal
	12024.5	34.3	12.0	46.3	74.0	-27.7	Peak	Horizontal
*	8675.5	33.9	8.9	42.8	68.2	-25.4	Peak	Vertical
*	9882.5	33.3	11.6	44.9	68.2	-23.3	Peak	Vertical
	10817.5	34.7	12.7	47.4	74.0	-26.6	Peak	Vertical
	11591.0	34.3	12.6	46.9	74.0	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11a	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	34.2	9.1	43.3	68.2	-24.9	Peak	Horizontal
*	9738.0	33.5	11.2	44.7	68.2	-23.5	Peak	Horizontal
	10800.5	34.6	12.6	47.2	74.0	-26.8	Peak	Horizontal
	12050.0	33.8	12.0	45.8	74.0	-28.2	Peak	Horizontal
*	8828.5	34.4	9.1	43.5	68.2	-24.7	Peak	Vertical
*	9874.0	34.5	11.6	46.1	68.2	-22.1	Peak	Vertical
	11115.0	35.1	12.7	47.8	74.0	-26.2	Peak	Vertical
	11880.0	34.7	11.8	46.5	74.0	-27.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8760.5	34.3	9.0	43.3	68.2	-24.9	Peak	Horizontal
*	9823.0	34.0	11.6	45.6	68.2	-22.6	Peak	Horizontal
	11072.5	34.5	12.8	47.3	74.0	-26.7	Peak	Horizontal
	12118.0	35.1	11.9	47.0	74.0	-27.0	Peak	Horizontal
*	8641.5	35.7	8.8	44.5	68.2	-23.7	Peak	Vertical
*	9865.5	34.0	11.6	45.6	68.2	-22.6	Peak	Vertical
	11098.0	34.6	12.8	47.4	74.0	-26.6	Peak	Vertical
	11642.0	34.9	12.4	47.3	74.0	-26.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8658.5	33.9	8.8	42.7	68.2	-25.5	Peak	Horizontal
*	9814.5	33.5	11.6	45.1	68.2	-23.1	Peak	Horizontal
	10860.0	34.4	12.8	47.2	74.0	-26.8	Peak	Horizontal
	11489.0	33.6	12.8	46.4	74.0	-27.6	Peak	Horizontal
*	8820.0	34.9	9.0	43.9	68.2	-24.3	Peak	Vertical
*	9806.0	33.4	11.5	44.9	68.2	-23.3	Peak	Vertical
	11030.0	34.1	13.0	47.1	74.0	-26.9	Peak	Vertical
	11642.0	34.3	12.4	46.7	74.0	-27.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8803.0	36.3	8.9	45.2	68.2	-23.0	Peak	Horizontal
*	9729.5	33.1	11.1	44.2	68.2	-24.0	Peak	Horizontal
	10851.5	34.5	12.8	47.3	74.0	-26.7	Peak	Horizontal
	11939.5	34.0	11.9	45.9	74.0	-28.1	Peak	Horizontal
*	8684.0	33.7	9.0	42.7	68.2	-25.5	Peak	Vertical
*	9704.0	33.8	11.0	44.8	68.2	-23.4	Peak	Vertical
	10809.0	32.8	12.7	45.5	74.0	-28.5	Peak	Vertical
	11387.0	34.2	12.6	46.8	74.0	-27.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	34.0	9.0	43.0	68.2	-25.2	Peak	Horizontal
*	9772.0	32.9	11.4	44.3	68.2	-23.9	Peak	Horizontal
	10894.0	33.5	12.9	46.4	74.0	-27.6	Peak	Horizontal
	11523.0	33.8	12.7	46.5	74.0	-27.5	Peak	Horizontal
*	8760.5	33.8	9.0	42.8	68.2	-25.4	Peak	Vertical
*	9933.5	33.5	11.5	45.0	68.2	-23.2	Peak	Vertical
	10928.0	34.0	13.0	47.0	74.0	-27.0	Peak	Vertical
	12245.5	34.7	11.7	46.4	74.0	-27.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8769.0	33.9	8.9	42.8	68.2	-25.4	Peak	Horizontal
*	9848.5	34.0	11.6	45.6	68.2	-22.6	Peak	Horizontal
	11064.0	34.2	12.8	47.0	74.0	-27.0	Peak	Horizontal
	11455.0	35.0	12.7	47.7	74.0	-26.3	Peak	Horizontal
*	8854.0	33.0	9.1	42.1	68.2	-26.1	Peak	Vertical
*	9772.0	32.5	11.4	43.9	68.2	-24.3	Peak	Vertical
	11319.0	34.8	12.5	47.3	74.0	-26.7	Peak	Vertical
	11982.0	33.5	11.9	45.4	74.0	-28.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system		Temperature	26°C
Test Engineer	Will Yan		Relative Humidity	56%
Test Site	AC1		Test Date	2017/12/06
Test Mode:	802.11n-HT20		Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8684.0	35.0	9.0	44.0	68.2	-24.2	Peak	Horizontal
*	9933.5	33.9	11.5	45.4	68.2	-22.8	Peak	Horizontal
	10843.0	36.6	12.7	49.3	74.0	-24.7	Peak	Horizontal
	11557.0	34.4	12.7	47.1	74.0	-26.9	Peak	Horizontal
*	8769.0	33.8	8.9	42.7	68.2	-25.5	Peak	Vertical
*	9823.0	33.2	11.6	44.8	68.2	-23.4	Peak	Vertical
	10639.0	34.5	12.3	46.8	74.0	-27.2	Peak	Vertical
	11710.0	34.6	12.0	46.6	74.0	-27.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8701.0	35.2	9.0	44.2	68.2	-24.0	Peak	Horizontal
*	9806.0	34.6	11.5	46.1	68.2	-22.1	Peak	Horizontal
	10766.5	34.5	12.5	47.0	74.0	-27.0	Peak	Horizontal
	11871.5	34.7	11.8	46.5	74.0	-27.5	Peak	Horizontal
*	8794.5	34.1	8.9	43.0	68.2	-25.2	Peak	Vertical
*	9721.0	33.3	11.1	44.4	68.2	-23.8	Peak	Vertical
	10902.5	34.0	13.0	47.0	74.0	-27.0	Peak	Vertical
	11582.5	34.8	12.6	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8905.0	35.1	9.2	44.3	68.2	-23.9	Peak	Horizontal
*	9814.5	34.4	11.6	46.0	68.2	-22.2	Peak	Horizontal
	10843.0	34.6	12.7	47.3	74.0	-26.7	Peak	Horizontal
	11514.5	34.7	12.8	47.5	74.0	-26.5	Peak	Horizontal
*	8837.0	34.0	9.1	43.1	68.2	-25.1	Peak	Vertical
*	9755.0	33.8	11.4	45.2	68.2	-23.0	Peak	Vertical
	10647.5	34.7	12.3	47.0	74.0	-27.0	Peak	Vertical
	11412.5	34.1	12.6	46.7	74.0	-27.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8837.0	35.0	9.1	44.1	68.2	-24.1	Peak	Horizontal
*	9797.5	34.4	11.5	45.9	68.2	-22.3	Peak	Horizontal
	11013.0	34.5	13.0	47.5	74.0	-26.5	Peak	Horizontal
	11557.0	34.2	12.7	46.9	74.0	-27.1	Peak	Horizontal
*	8803.0	33.8	8.9	42.7	68.2	-25.5	Peak	Vertical
*	9882.5	33.0	11.6	44.6	68.2	-23.6	Peak	Vertical
	11098.0	34.2	12.8	47.0	74.0	-27.0	Peak	Vertical
	12135.0	33.7	11.9	45.6	74.0	-28.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	34.6	9.1	43.7	68.2	-24.5	Peak	Horizontal
*	9916.5	34.9	11.5	46.4	68.2	-21.8	Peak	Horizontal
	11115.0	34.4	12.7	47.1	74.0	-26.9	Peak	Horizontal
	11582.5	35.1	12.6	47.7	74.0	-26.3	Peak	Horizontal
*	8837.0	33.2	9.1	42.3	68.2	-25.9	Peak	Vertical
*	9933.5	33.8	11.5	45.3	68.2	-22.9	Peak	Vertical
	10792.0	34.4	12.6	47.0	74.0	-27.0	Peak	Vertical
	11633.5	33.4	12.4	45.8	74.0	-28.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8905.0	34.6	9.2	43.8	68.2	-24.4	Peak	Horizontal
*	9874.0	34.5	11.6	46.1	68.2	-22.1	Peak	Horizontal
	10860.0	34.8	12.8	47.6	74.0	-26.4	Peak	Horizontal
	11574.0	34.6	12.6	47.2	74.0	-26.8	Peak	Horizontal
*	8854.0	35.8	9.1	44.9	68.2	-23.3	Peak	Vertical
*	9678.5	34.9	10.9	45.8	68.2	-22.4	Peak	Vertical
	10741.0	35.2	12.5	47.7	74.0	-26.3	Peak	Vertical
	11395.5	35.6	12.6	48.2	74.0	-25.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

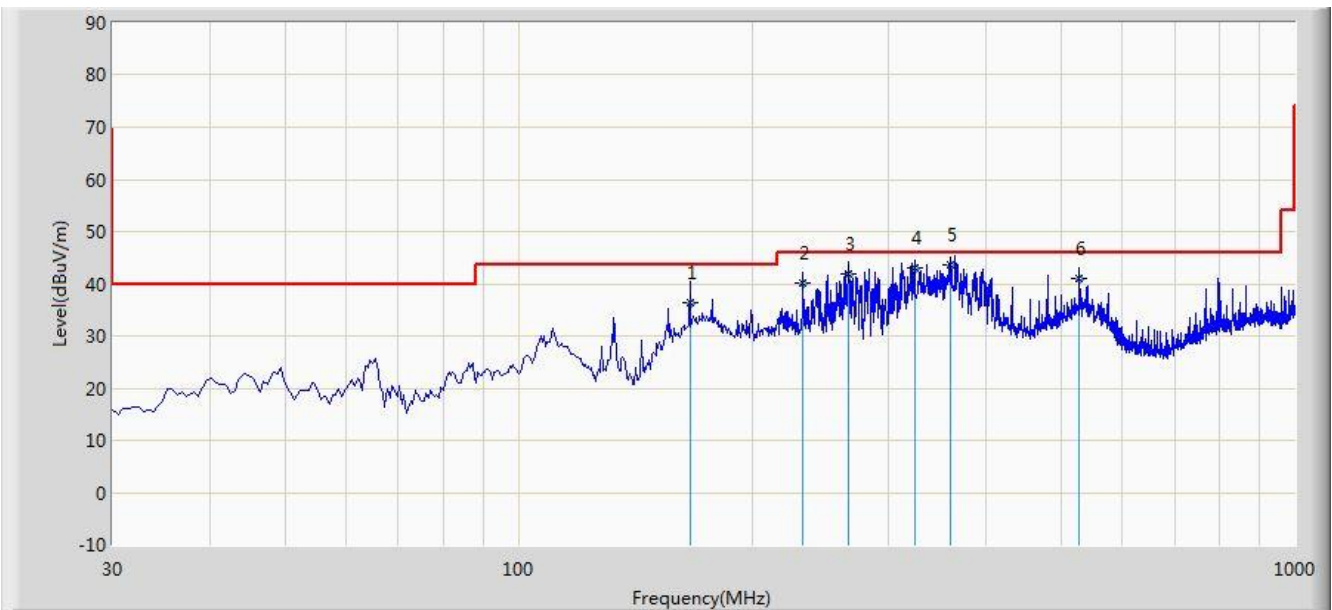| Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8905.0	35.0	9.2	44.2	68.2	-24.0	Peak	Horizontal
*	9891.0	34.2	11.6	45.8	68.2	-22.4	Peak	Horizontal
	10834.5	34.8	12.7	47.5	74.0	-26.5	Peak	Horizontal
	11557.0	35.0	12.7	47.7	74.0	-26.3	Peak	Horizontal
*	8905.0	35.0	9.2	44.2	68.2	-24.0	Peak	Vertical
*	9806.0	33.0	11.5	44.5	68.2	-23.7	Peak	Vertical
	10834.5	34.8	12.7	47.5	74.0	-26.5	Peak	Vertical
	11557.0	35.0	12.7	47.7	74.0	-26.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ECG analysis system	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2017/12/06
Test Mode:	802.11n-HT20	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8658.5	34.8	8.8	43.6	68.2	-24.6	Peak	Horizontal
*	9831.5	33.5	11.6	45.1	68.2	-23.1	Peak	Horizontal
	10639.0	34.7	12.3	47.0	74.0	-27.0	Peak	Horizontal
	11557.0	35.0	12.7	47.7	74.0	-26.3	Peak	Horizontal
*	8769.0	33.2	8.9	42.1	68.2	-26.1	Peak	Vertical
*	9865.5	32.8	11.6	44.4	68.2	-23.8	Peak	Vertical
	10800.5	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical
	11557.0	33.6	12.7	46.3	74.0	-27.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/11/20 - 18:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11a at channel 5220MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			166.482	36.278	26.172	-7.222	43.500	10.106	QP
2			232.726	40.249	27.071	-5.751	46.000	13.178	QP
3			265.824	42.003	28.007	-3.997	46.000	13.996	QP
4			323.670	43.112	27.918	-2.888	46.000	15.194	QP
5		*	360.040	43.512	27.500	-2.488	46.000	16.012	QP
6			528.087	40.935	22.182	-5.065	46.000	18.752	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC1	Time: 2017/11/20 - 19:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11a at channel 5220MHz	
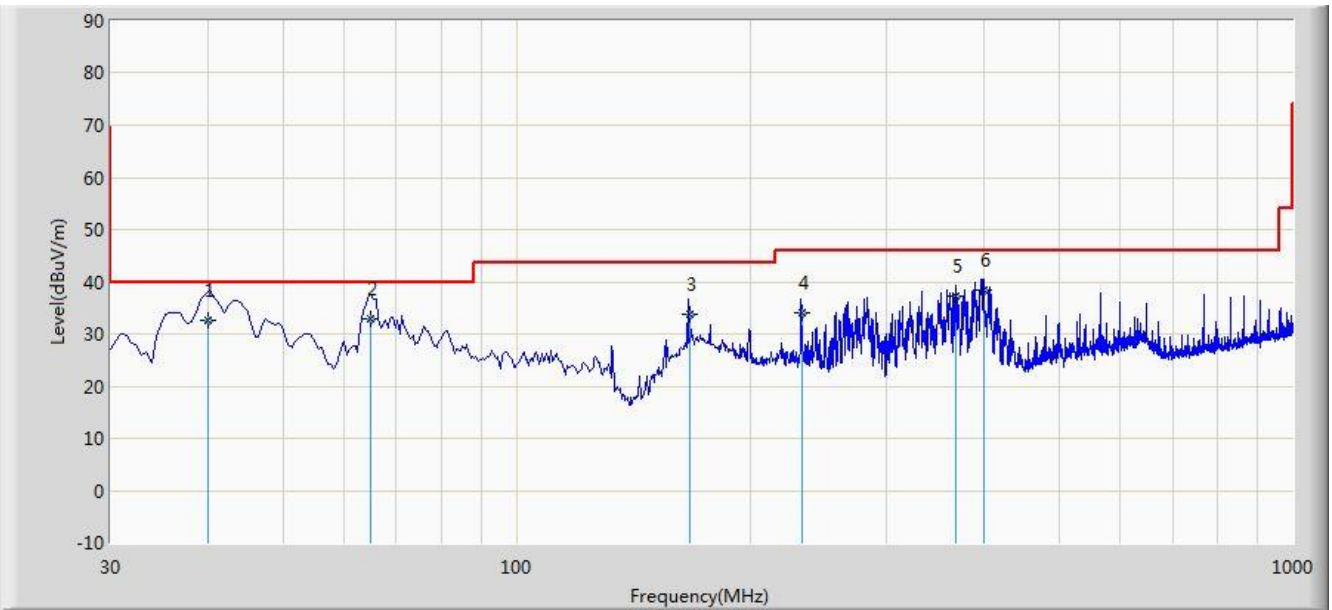
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			40.020	32.537	18.670	-7.463	40.000	13.867	QP
2		*	64.970	32.890	20.321	-7.110	40.000	12.569	QP
3			166.984	33.784	23.654	-9.716	43.500	10.130	QP
4			232.980	33.938	20.751	-12.062	46.000	13.187	QP
5			368.007	37.345	21.214	-8.655	46.000	16.131	QP
6			399.765	38.530	21.783	-7.470	46.000	16.748	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.9. Radiated Restricted Band Edge Measurement

7.9.1.Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 – 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band:

All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz

above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

7.9.2.Test Procedure Used

KDB 789033 D02v02 – Section G

7.9.3.Test Setting

<u>Peak Measurements above 1GHz</u>

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

<u>Average Measurements above 1GHz (Method AD)</u>

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. If duty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW ≥ 1/T.

4. Detector = Peak

5. Sweep time = auto

6. Trace mode = max hold

7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

7.9.4.Test Setup
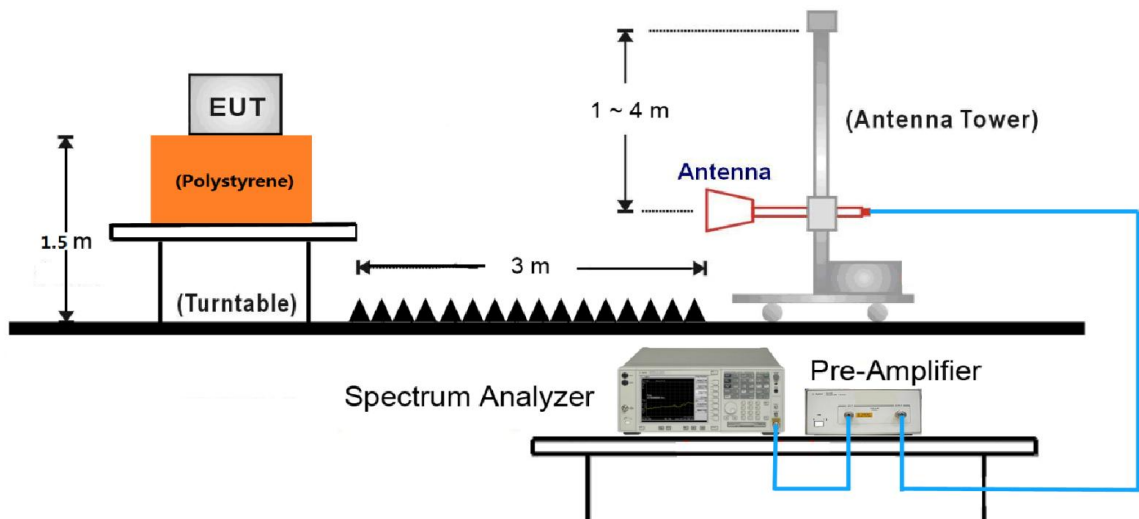
7.9.5.Test Result

|	
Site: AC1	Time: 2017/12/06 - 21:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	
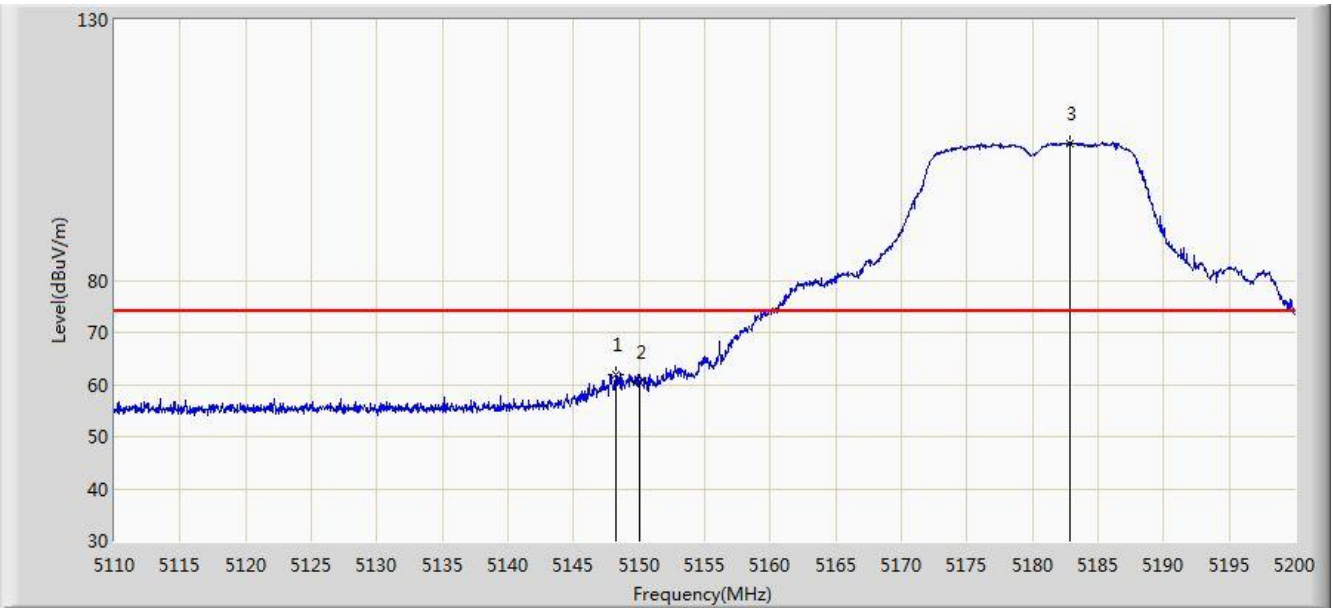
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.250	62.026	58.717	N/A	N/A	3.308	PK
2			5150.000	60.382	57.073	-13.618	74.000	3.309	PK
3		*	5182.855	106.289	103.019	32.289	74.000	3.270	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	
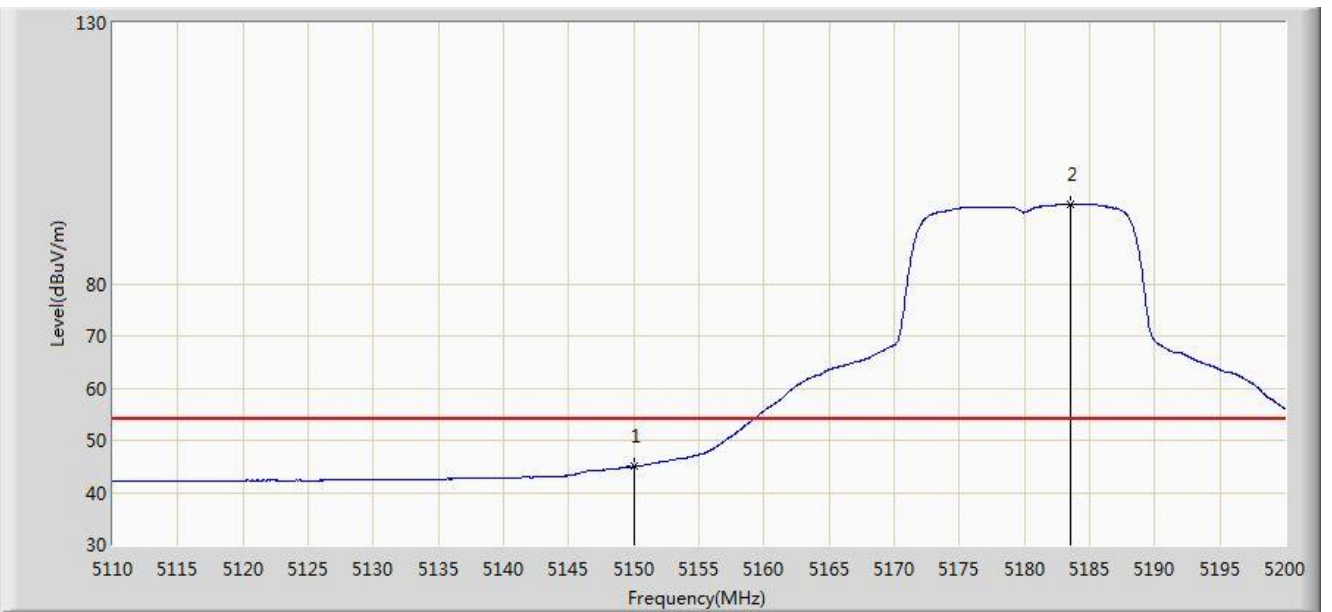
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.949	41.640	-9.051	54.000	3.309	AV
2		*	5183.575	95.129	91.860	N/A	N/A	3.269	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

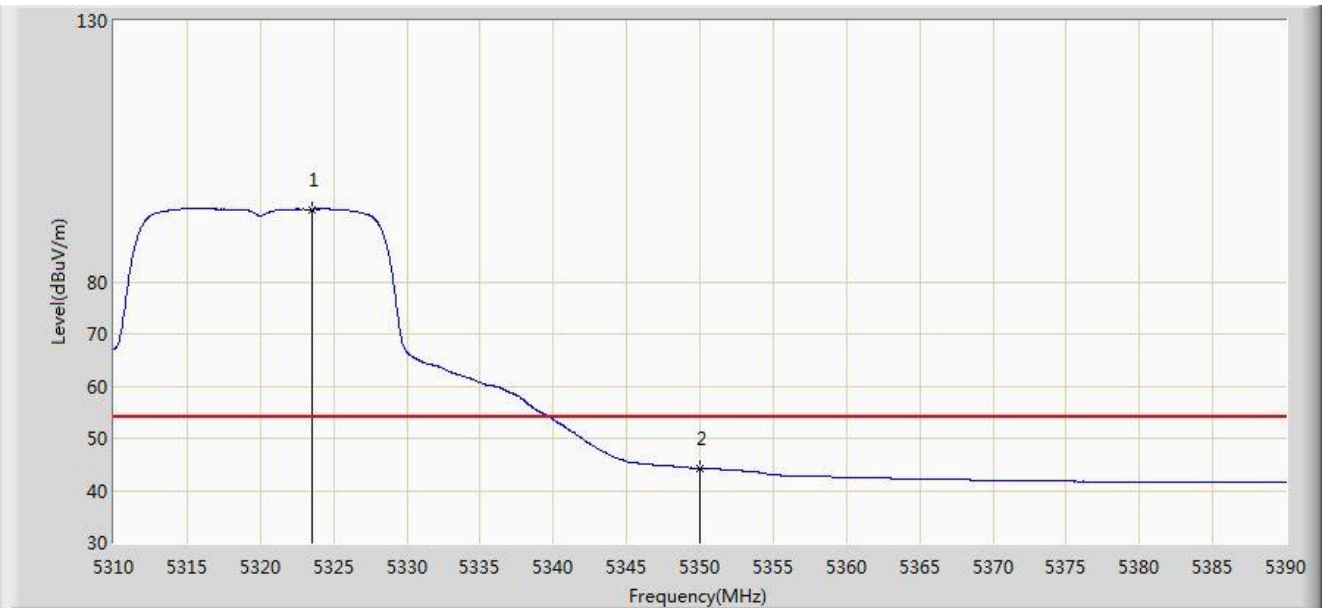| Site: AC1	Time: 2017/12/06 - 22:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	
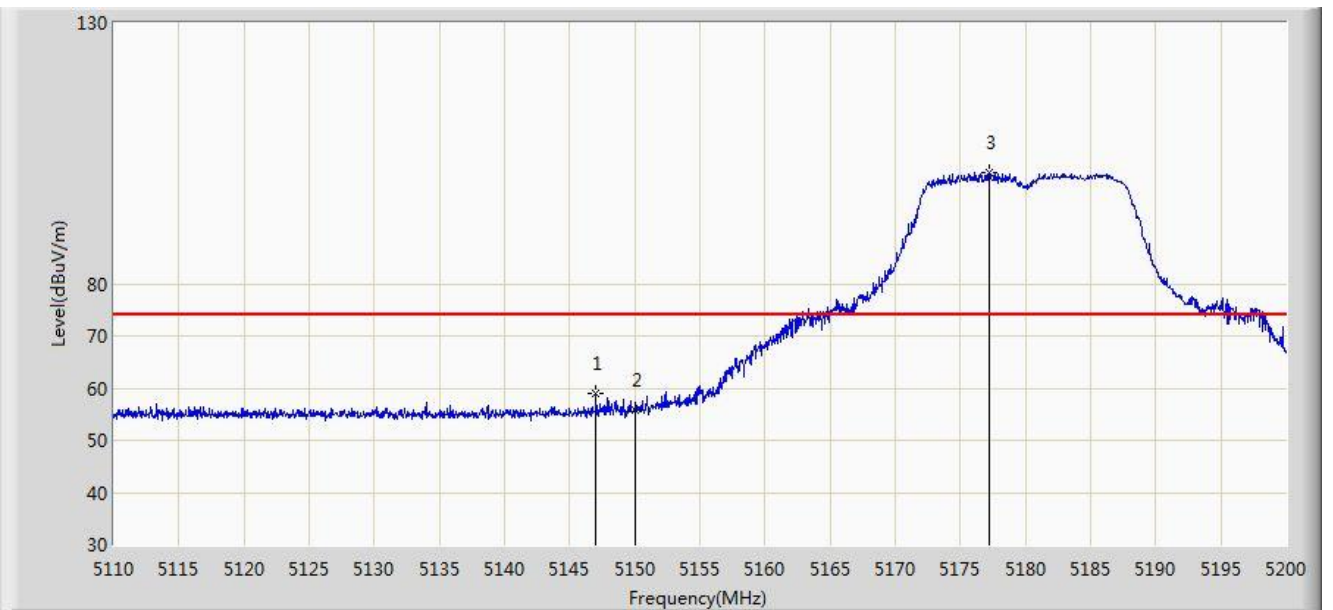
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.035	58.973	55.664	-15.027	74.000	3.309	PK
2			5150.000	55.876	52.567	-18.124	74.000	3.309	PK
3		*	5177.185	101.209	97.934	N/A	N/A	3.275	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/06 - 22:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	
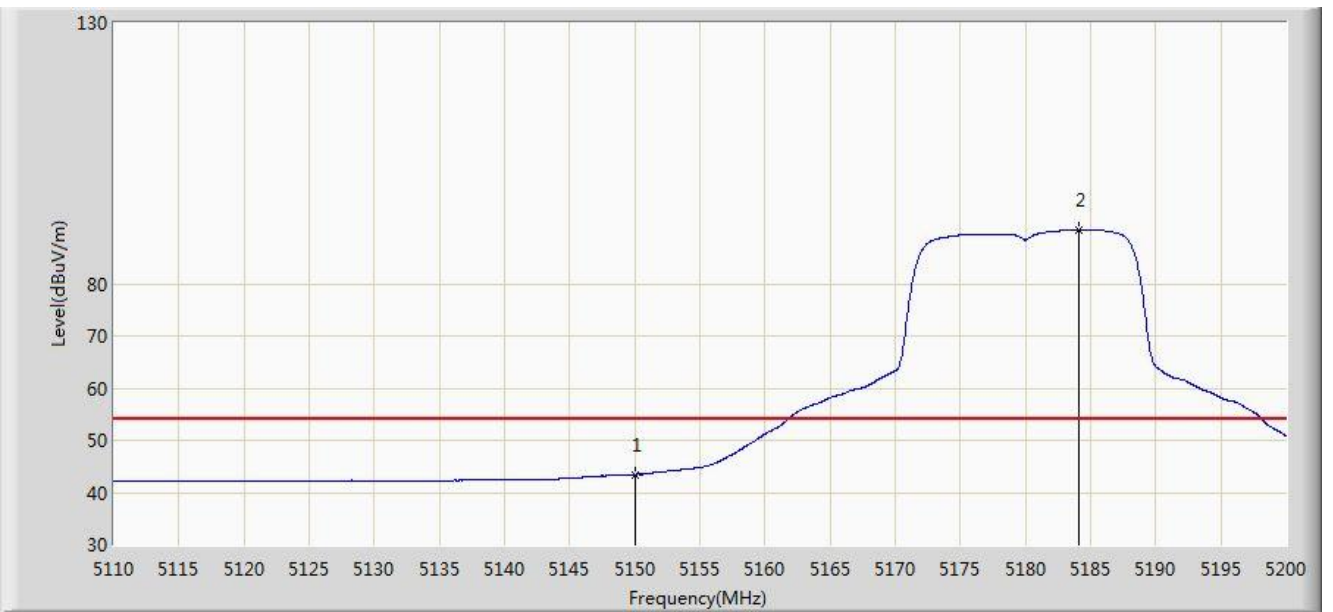
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	43.462	40.153	-10.538	54.000	3.309	AV
2		*	5184.115	90.334	87.066	N/A	N/A	3.269	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

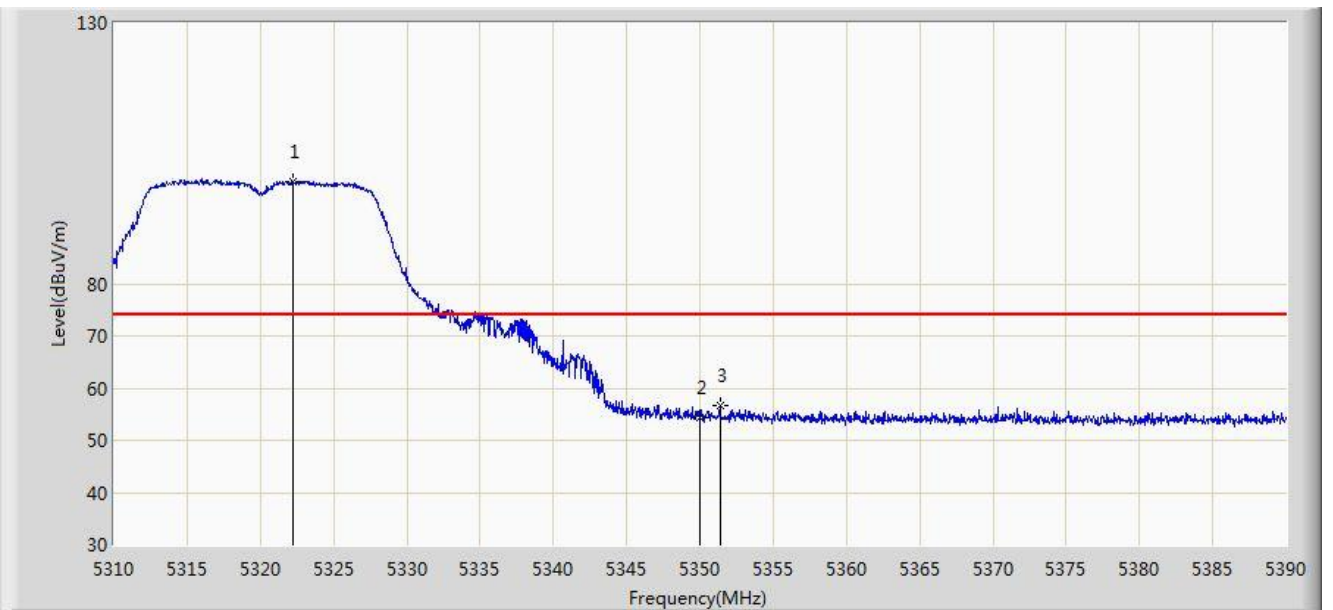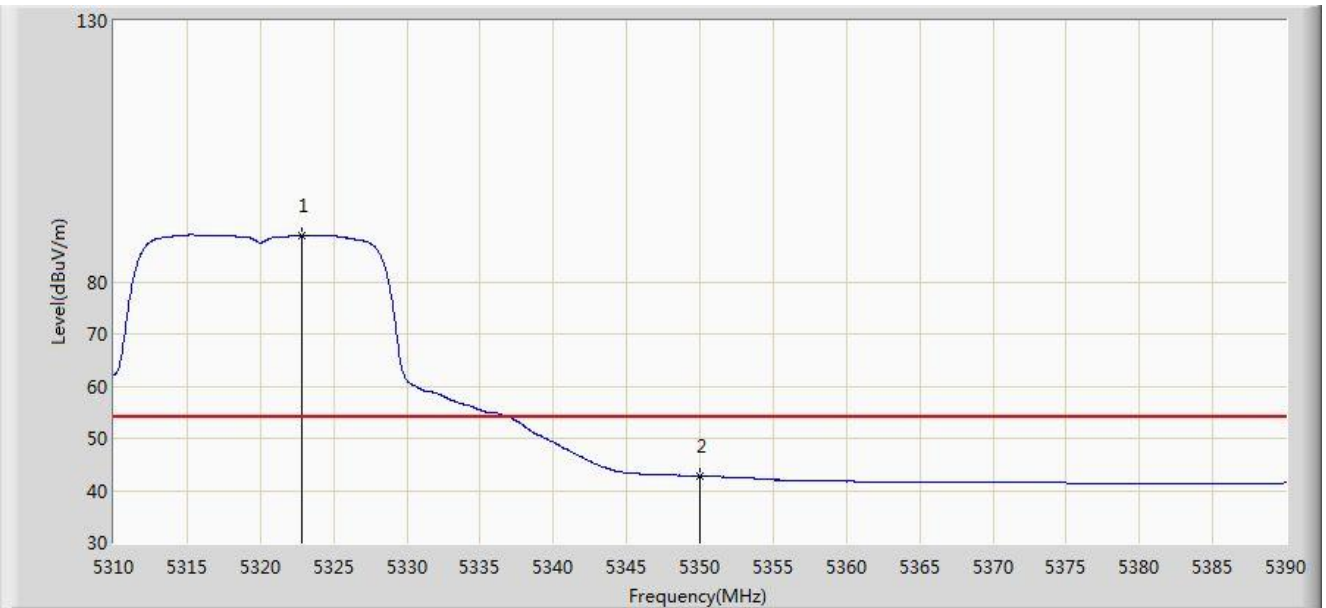| Site: AC1	Time: 2017/12/06 - 22:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	
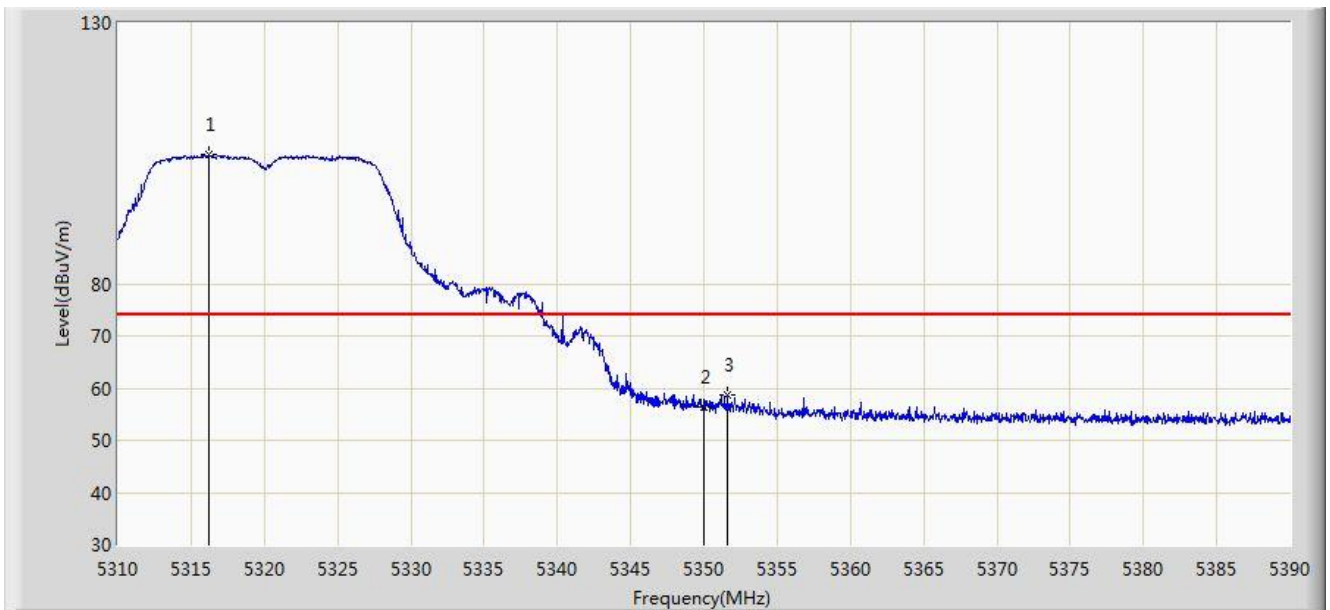
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.240	104.775	101.694	N/A	N/A	3.081	PK
2			5350.000	56.377	53.345	-17.623	74.000	3.032	PK
3			5351.640	58.783	55.752	-15.217	74.000	3.031	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

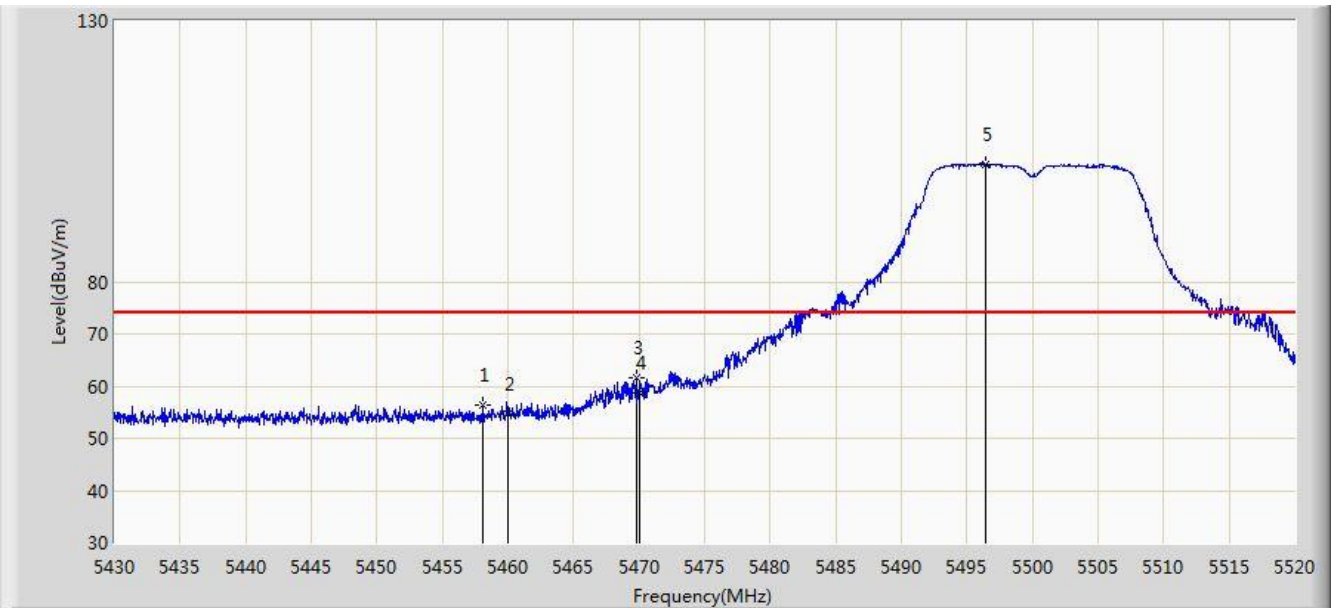| Site: AC1	Time: 2017/12/06 - 22:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.520	93.906	90.840	N/A	N/A	3.066	AV
2			5350.000	44.247	41.215	-9.753	54.000	3.032	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.280	99.472	96.403	N/A	N/A	3.069	PK
2			5350.000	54.354	51.322	-19.646	74.000	3.032	PK
3			5351.360	56.715	53.684	-17.285	74.000	3.030	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/06 - 22:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.880	88.864	85.797	N/A	N/A	3.068	AV
2			5350.000	42.667	39.635	-11.333	54.000	3.032	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.035	56.328	52.858	-17.672	74.000	3.470	PK
2			5460.000	54.644	51.162	-19.356	74.000	3.482	PK
3			5469.780	61.718	58.180	-12.282	74.000	3.538	PK
4			5470.000	58.613	55.074	-15.387	74.000	3.539	PK
5		*	5496.420	102.539	99.009	N/A	N/A	3.530	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/06 - 22:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	
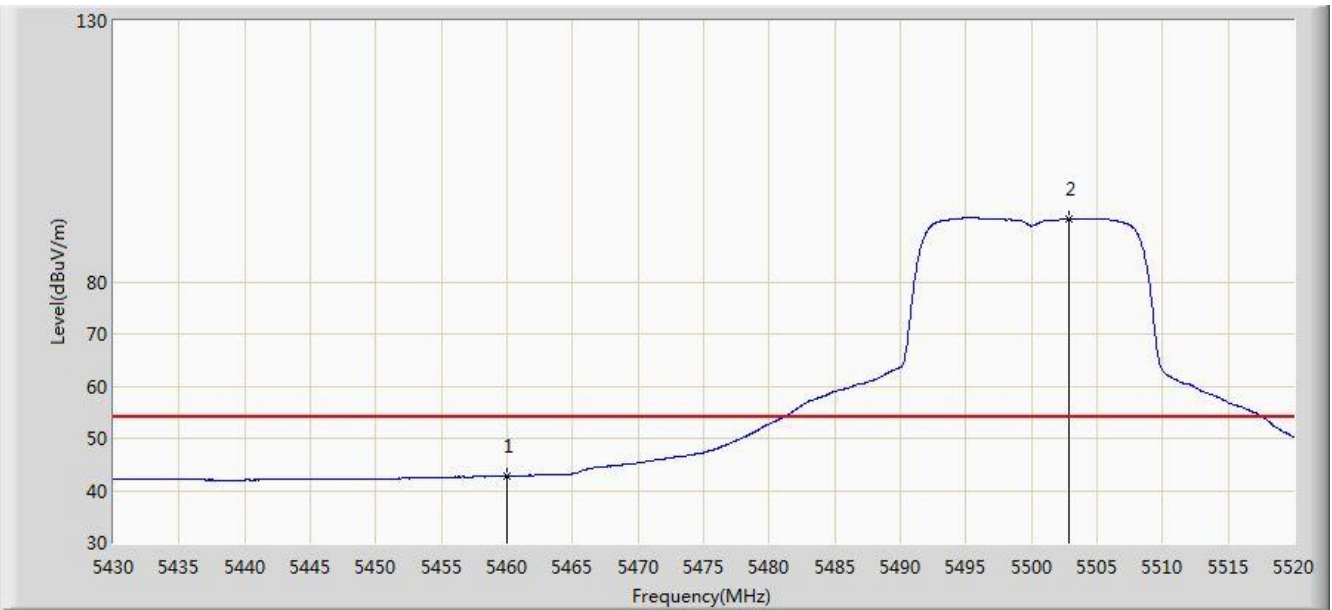
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.736	39.254	-11.264	54.000	3.482	AV
2		*	5502.855	92.033	88.510	N/A	N/A	3.524	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	
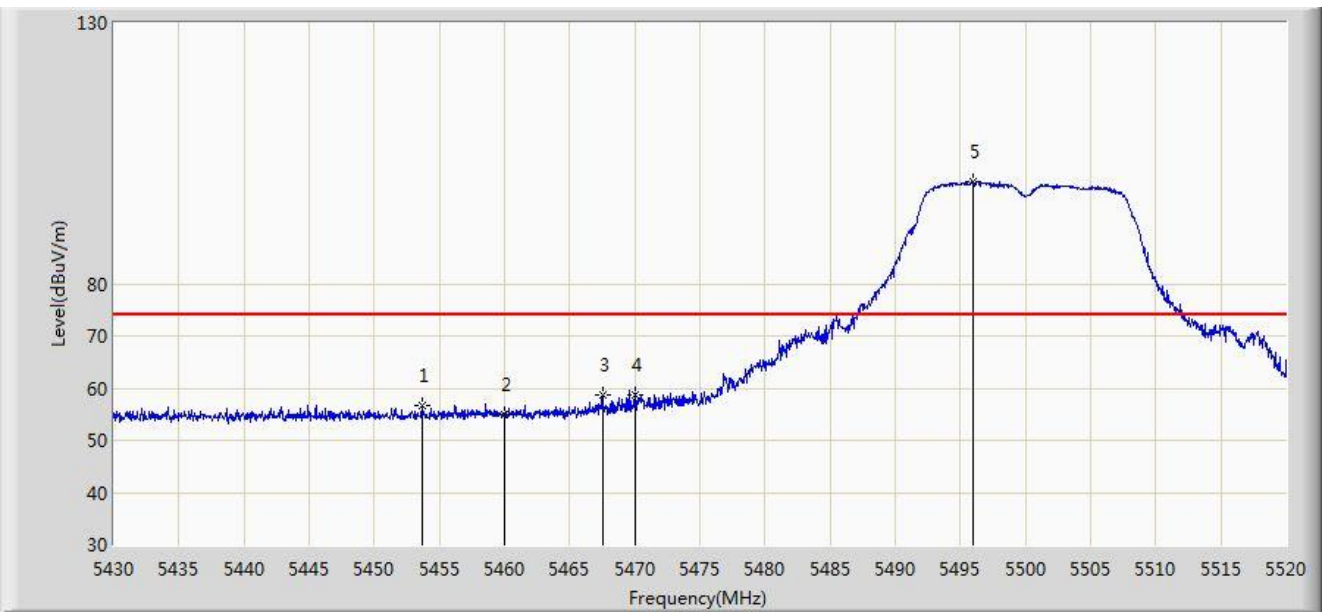
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.670	56.730	53.286	-17.270	74.000	3.444	PK
2			5460.000	54.946	51.464	-19.054	74.000	3.482	PK
3			5467.530	58.817	55.292	-15.183	74.000	3.525	PK
4			5470.000	58.713	55.174	-15.287	74.000	3.539	PK
5		*	5496.015	99.455	95.924	N/A	N/A	3.531	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

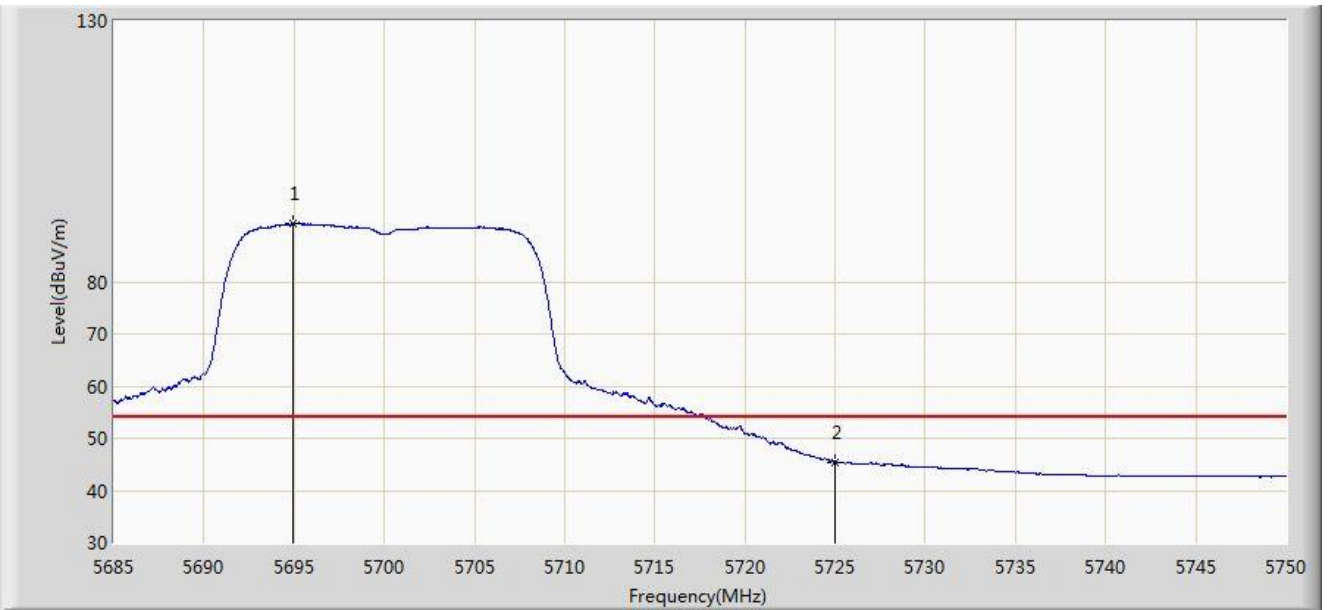| Site: AC1	Time: 2017/12/06 - 22:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	
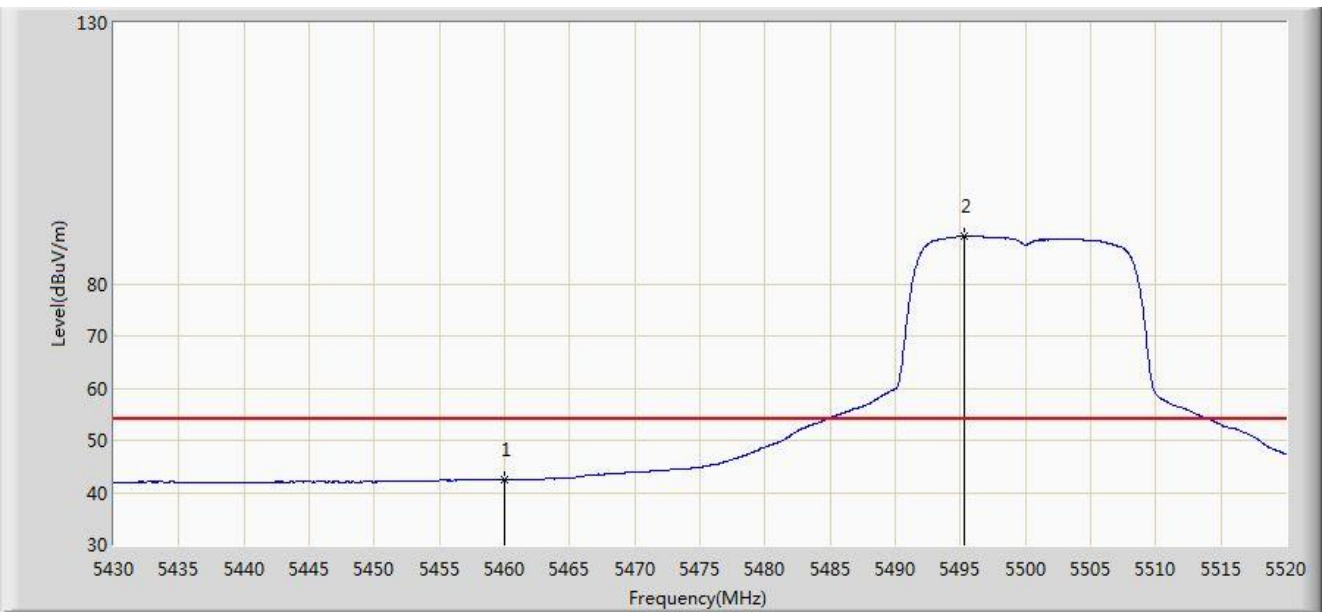
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.483	39.001	-11.517	54.000	3.482	AV
2		*	5495.340	89.126	85.595	N/A	N/A	3.531	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

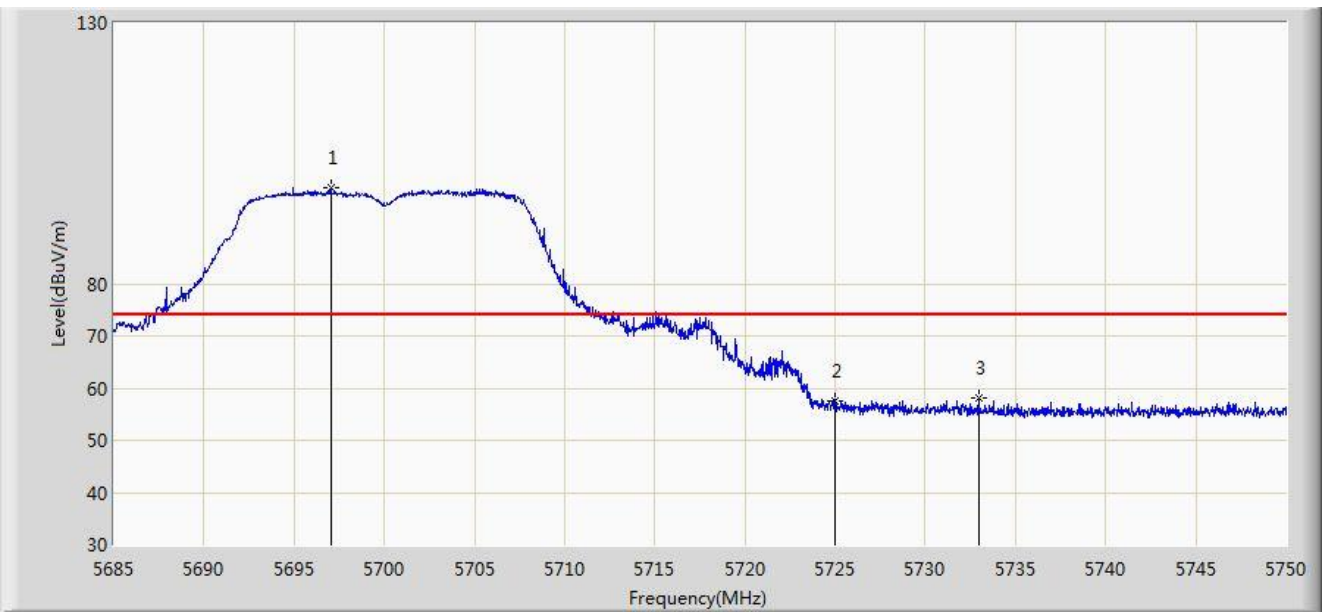| Site: AC1	Time: 2017/12/06 - 22:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	
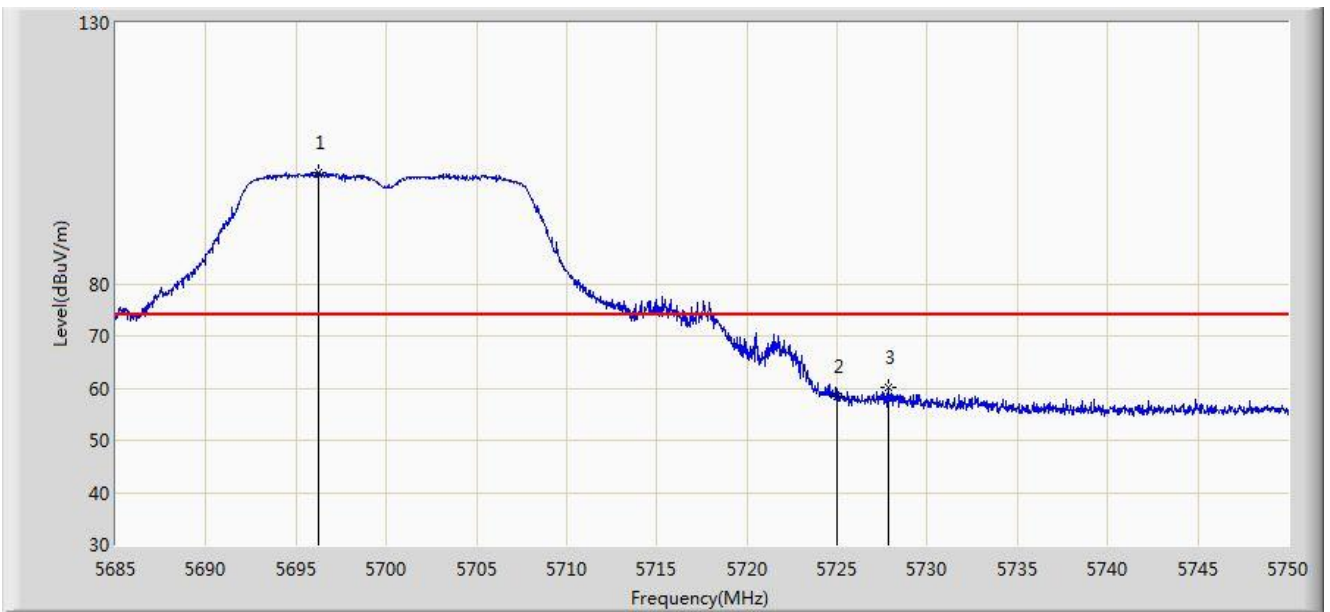
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.277	101.169	97.455	N/A	N/A	3.714	PK
2			5725.000	58.504	54.713	-15.496	74.000	3.791	PK
3			5727.868	60.223	56.423	-13.777	74.000	3.800	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5694.978	91.147	87.435	N/A	N/A	3.711	AV
2			5725.000	45.506	41.715	-8.494	54.000	3.791	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.025	98.518	94.803	N/A	N/A	3.714	PK
2			5725.000	57.498	53.707	-16.502	74.000	3.791	PK
3			5732.970	58.253	54.437	-15.747	74.000	3.816	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	
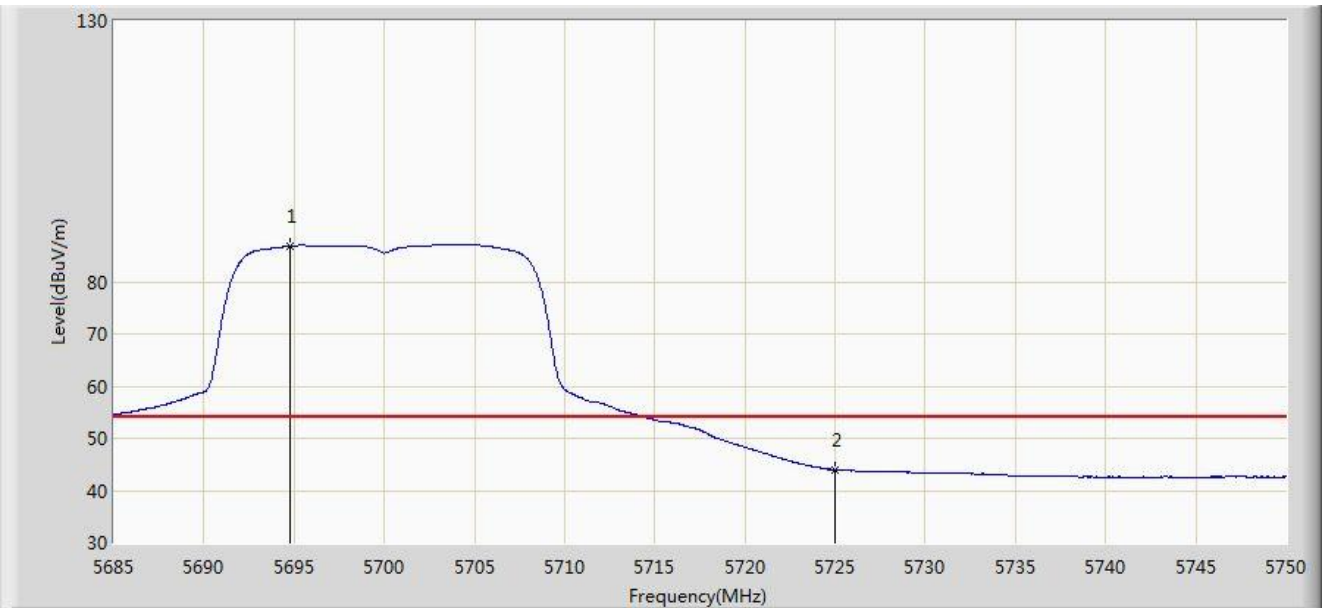
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5694.783	86.842	83.131	N/A	N/A	3.711	AV
2			5725.000	44.010	40.219	-9.990	54.000	3.791	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:35
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz	
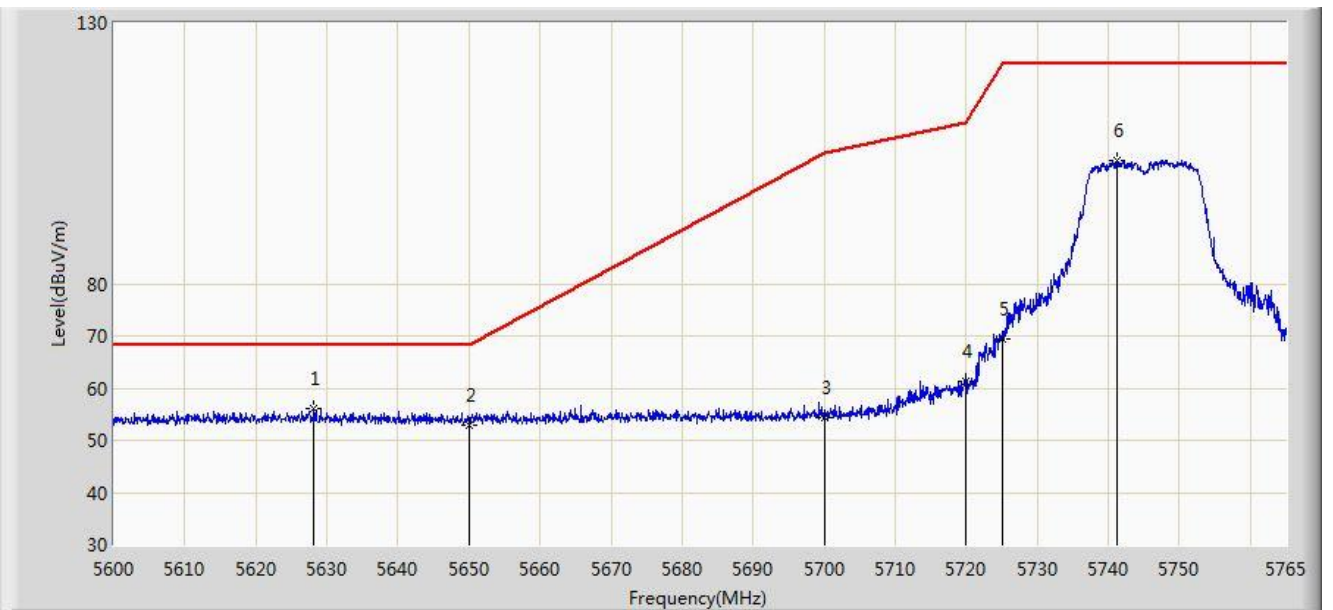
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5628.215	56.202	52.634	-11.998	68.200	3.568	PK
2			5650.000	53.043	49.416	-15.157	68.200	3.627	PK
3			5700.000	54.374	50.655	-50.826	105.200	3.719	PK
4			5720.000	61.435	57.659	-49.365	110.800	3.776	PK
5			5725.000	69.473	65.682	-52.727	122.200	3.791	PK
6			5741.158	103.578	99.738	N/A	N/A	3.840	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/06 - 22:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz	
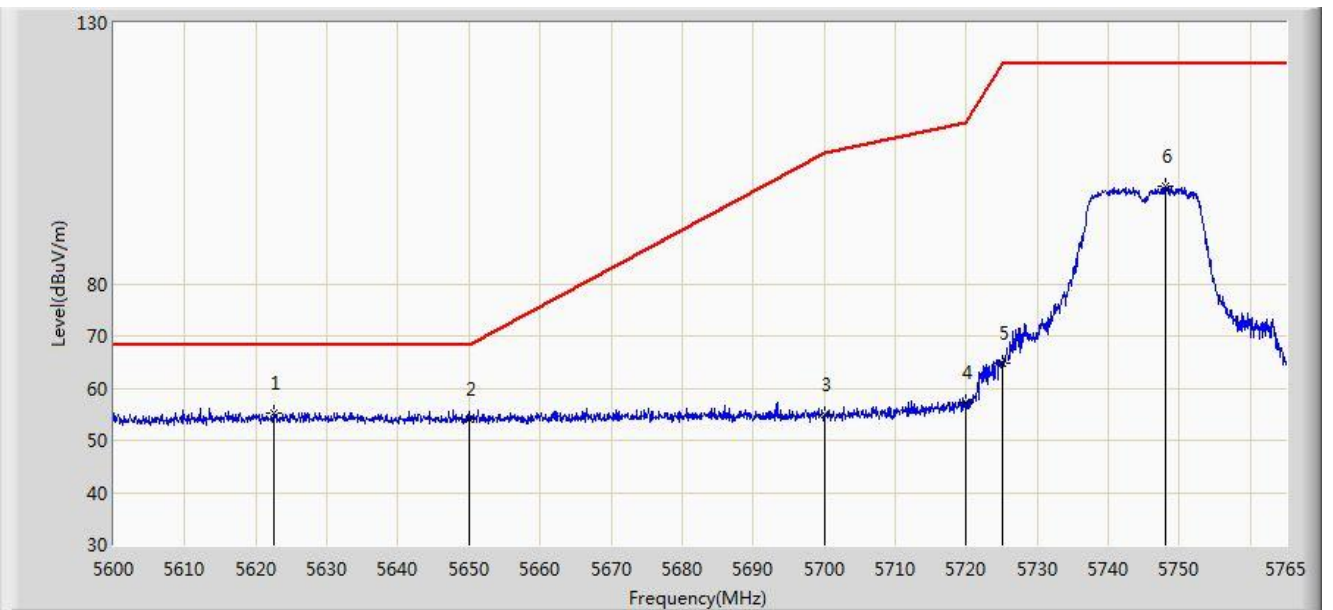
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5622.605	55.323	51.774	-12.877	68.200	3.548	PK
2			5650.000	54.005	50.378	-14.195	68.200	3.627	PK
3			5700.000	54.911	51.192	-50.289	105.200	3.719	PK
4			5720.000	57.213	53.437	-53.587	110.800	3.776	PK
5			5725.000	64.726	60.935	-57.474	122.200	3.791	PK
6			5748.087	98.725	94.861	N/A	N/A	3.865	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|		
Site: AC1	Time: 2017/12/06 - 22:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz	
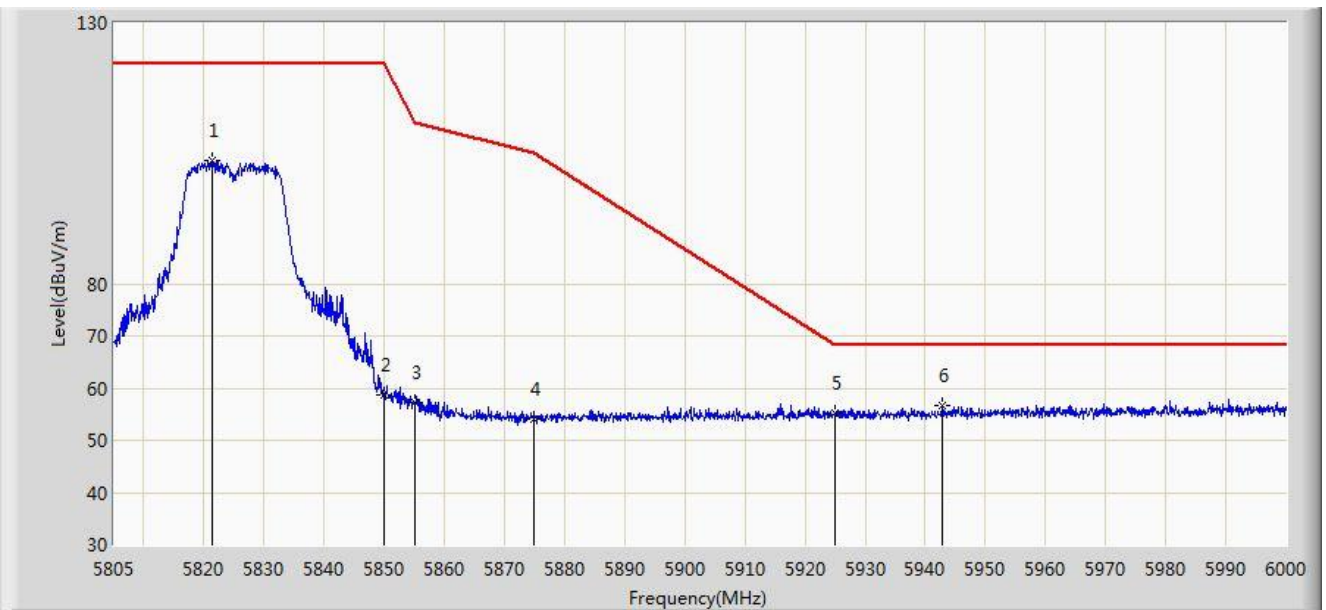
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.283	103.535	99.538	N/A	N/A	3.997	PK
2			5850.000	58.635	54.578	-63.565	122.200	4.058	PK
3			5855.000	57.209	53.149	-53.591	110.800	4.060	PK
4			5875.000	54.034	49.929	-51.166	105.200	4.105	PK
5			5925.000	55.194	50.941	-13.006	68.200	4.254	PK
6		*	5942.865	56.795	52.524	-11.405	68.200	4.271	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/06 - 22:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz	
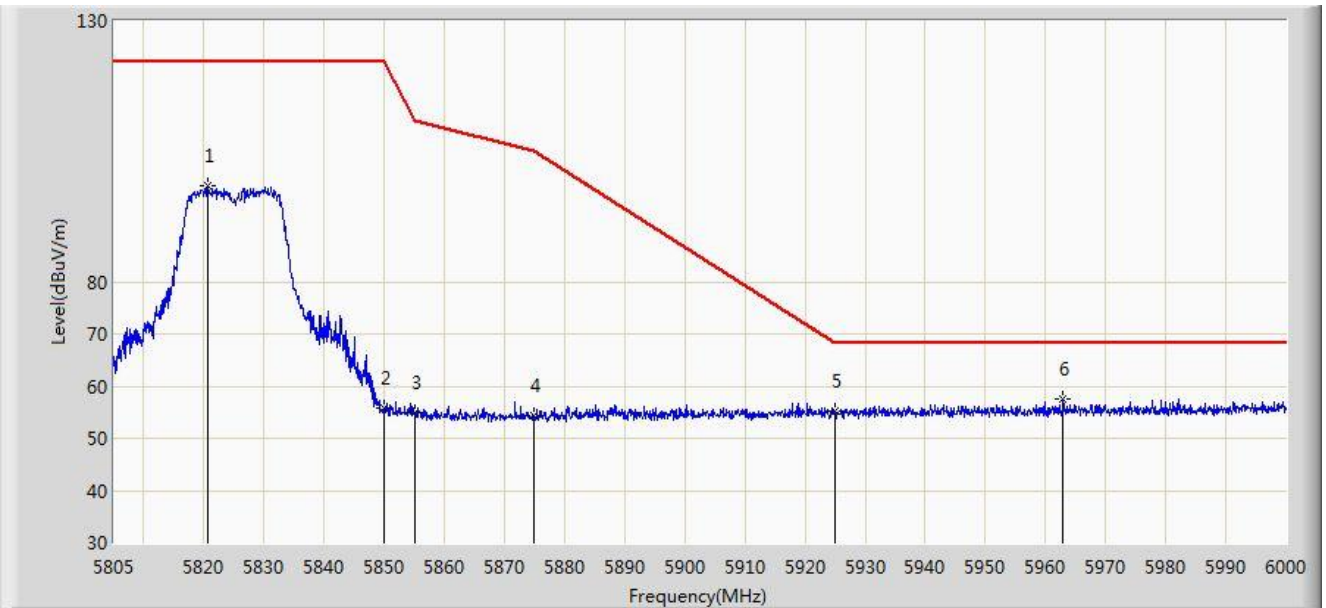
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5820.600	98.313	94.318	N/A	N/A	3.995	PK
2			5850.000	55.857	51.800	-66.343	122.200	4.058	PK
3			5855.000	54.852	50.792	-55.948	110.800	4.060	PK
4			5875.000	54.340	50.235	-50.860	105.200	4.105	PK
5			5925.000	55.161	50.908	-13.039	68.200	4.254	PK
6		*	5962.950	57.515	53.209	-10.685	68.200	4.306	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

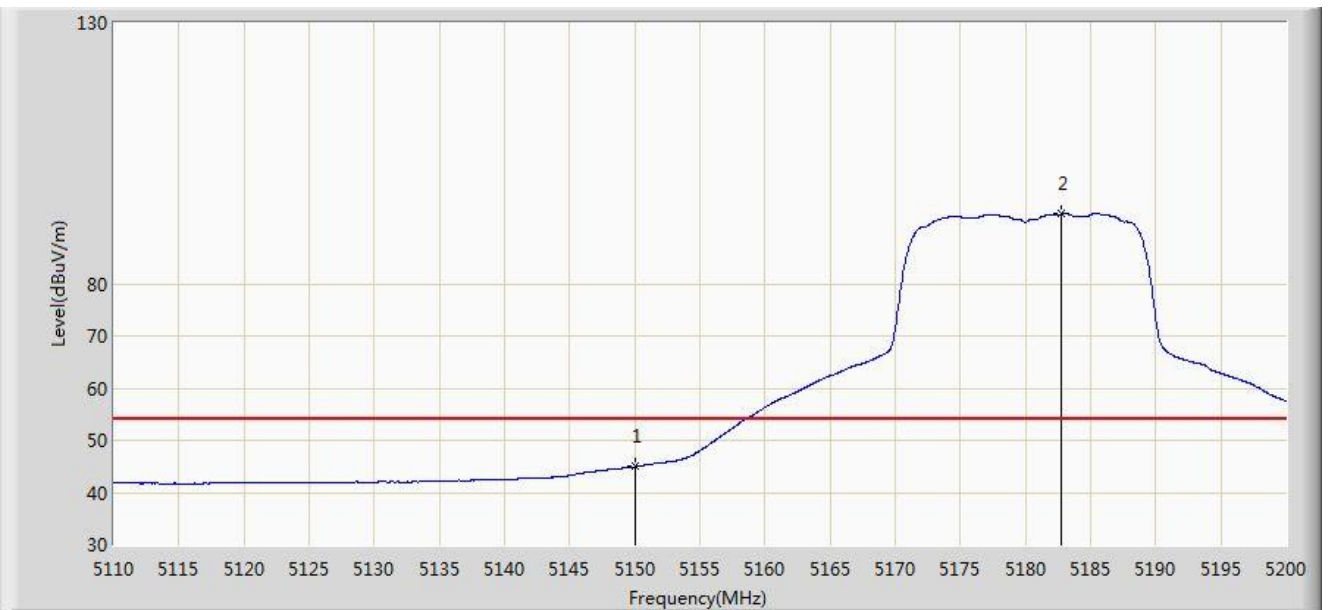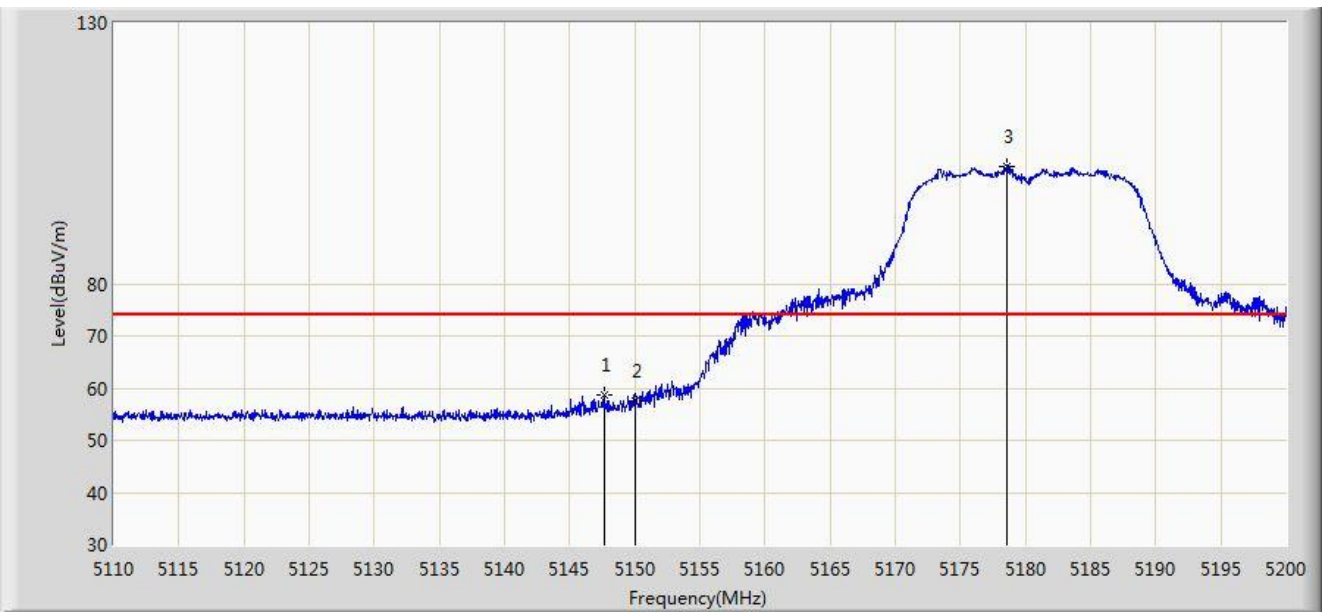| Site: AC1	Time: 2017/12/06 - 22:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	
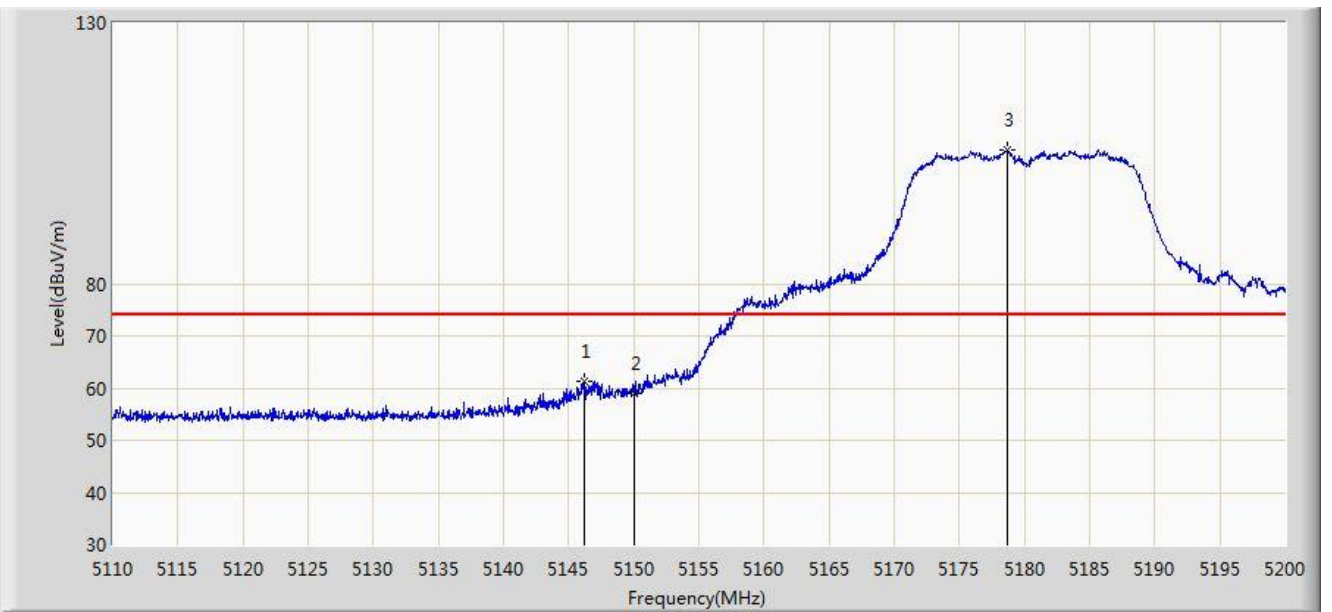
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.225	61.312	58.003	-12.688	74.000	3.308	PK
2			5150.000	59.078	55.769	-14.922	74.000	3.309	PK
3		*	5178.715	105.682	102.408	N/A	N/A	3.274	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

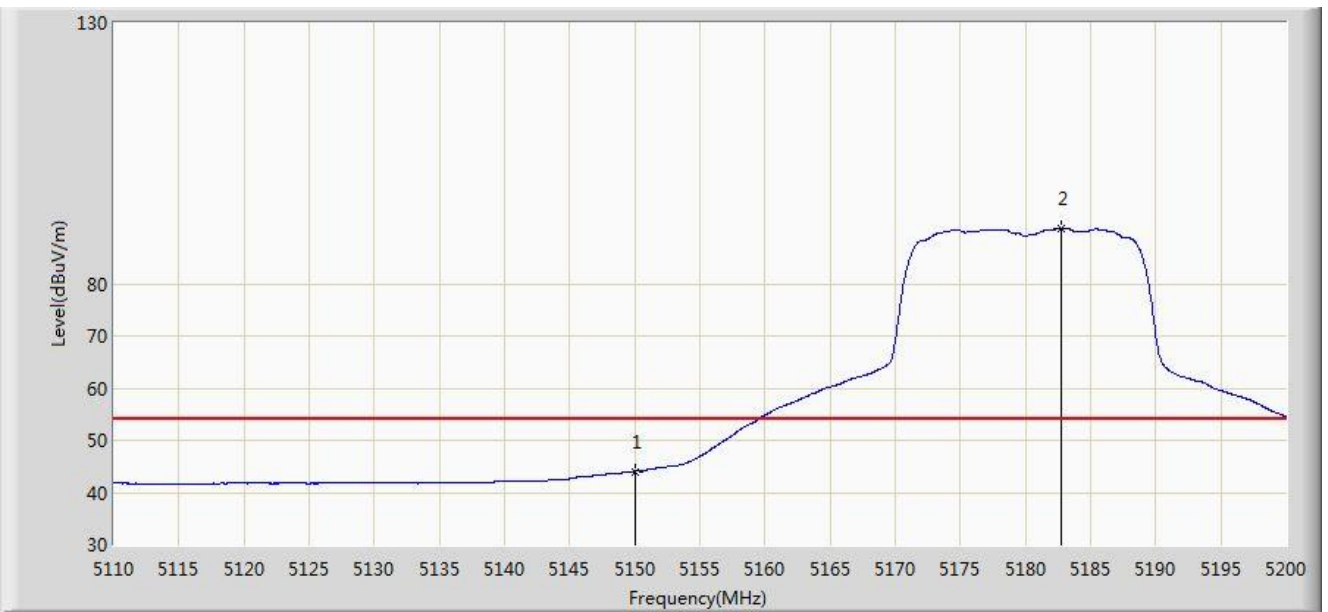| Site: AC1	Time: 2017/12/06 - 22:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.936	41.627	-9.064	54.000	3.309	AV
2		*	5182.720	93.352	90.082	N/A	N/A	3.271	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

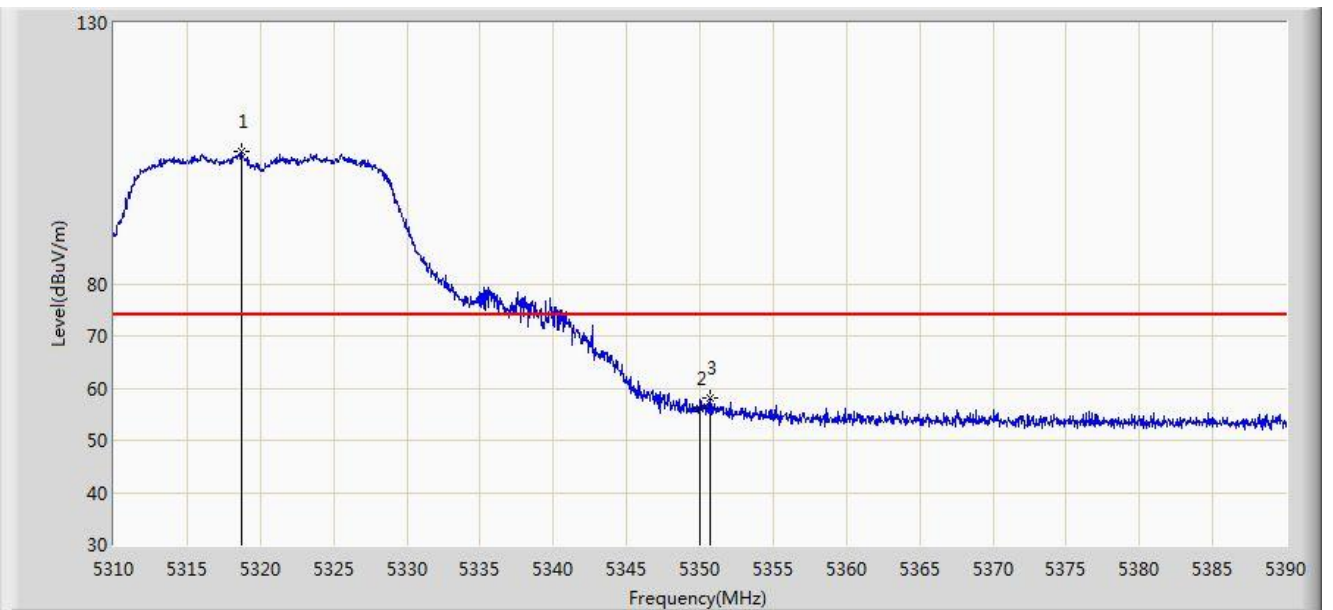| Site: AC1	Time: 2017/12/06 - 22:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.665	58.800	55.491	-15.200	74.000	3.309	PK
2			5150.000	57.675	54.366	-16.325	74.000	3.309	PK
3		*	5178.535	102.608	99.334	N/A	N/A	3.274	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.038	40.729	-9.962	54.000	3.309	AV
2		*	5182.720	90.519	87.249	N/A	N/A	3.271	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.680	105.474	102.398	N/A	N/A	3.075	PK
2			5350.000	56.161	53.129	-17.839	74.000	3.032	PK
3			5350.680	58.117	55.085	-15.883	74.000	3.031	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/06 - 22:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	
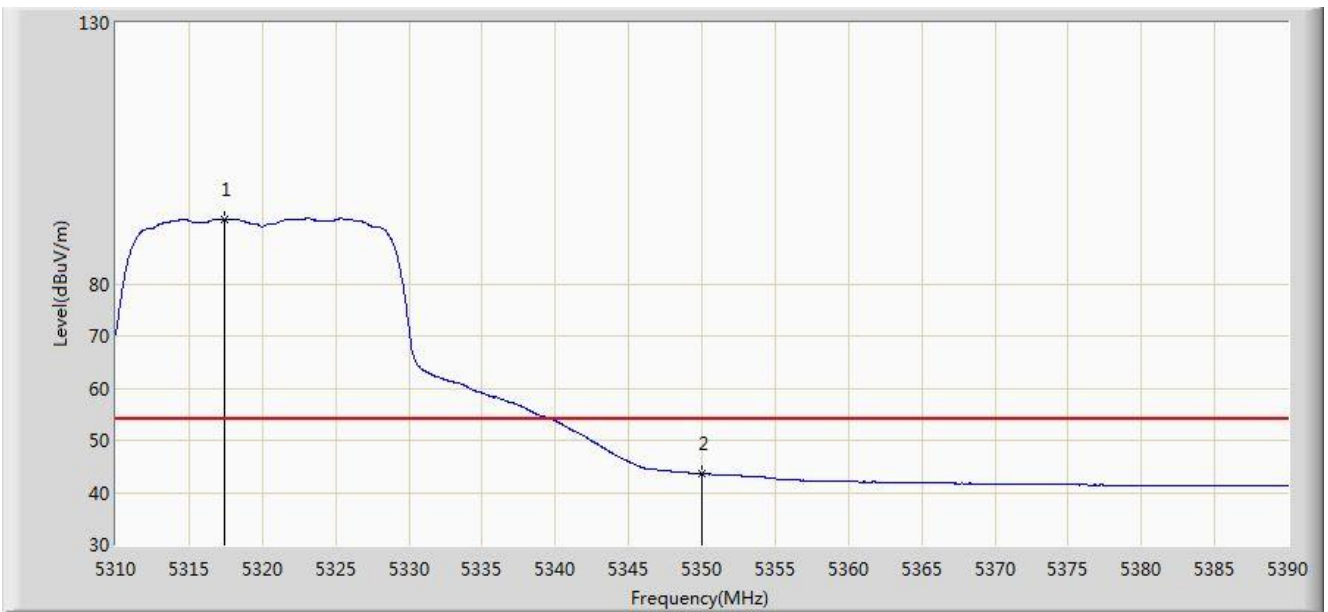
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.440	92.363	89.285	N/A	N/A	3.078	AV
2			5350.000	43.590	40.558	-10.410	54.000	3.032	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|	
Site: AC1	Time: 2017/12/06 - 22:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	
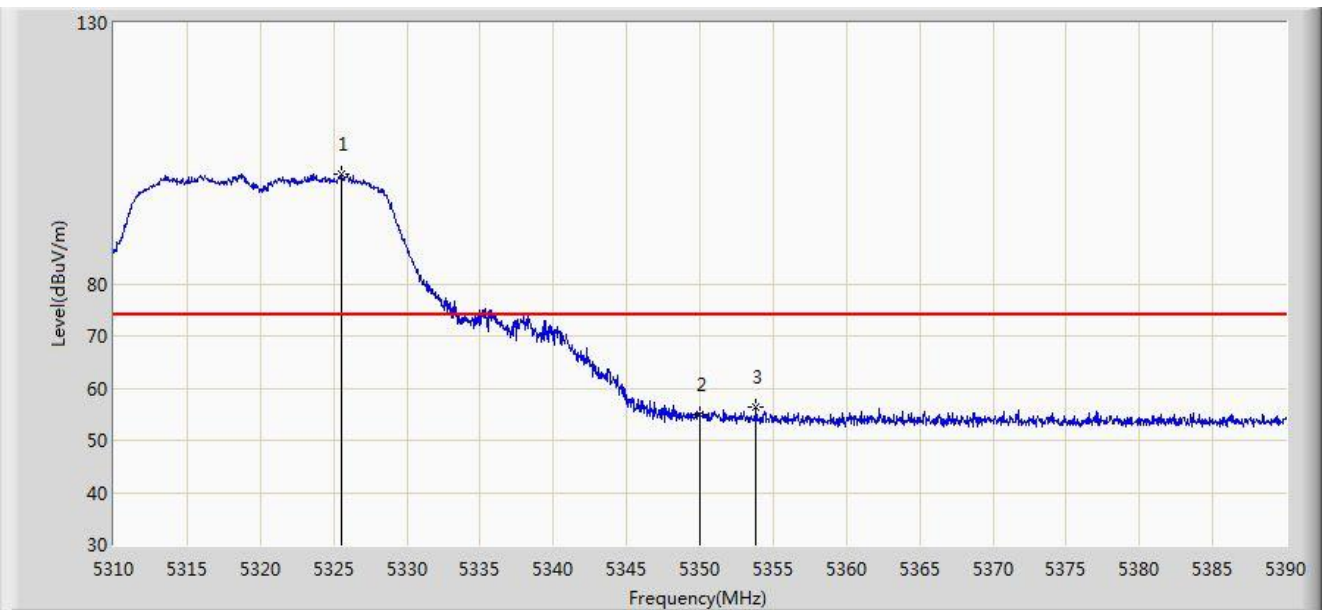
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.520	101.068	98.006	N/A	N/A	3.063	PK
2			5350.000	55.056	52.024	-18.944	74.000	3.032	PK
3			5353.840	56.453	53.424	-17.547	74.000	3.029	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	
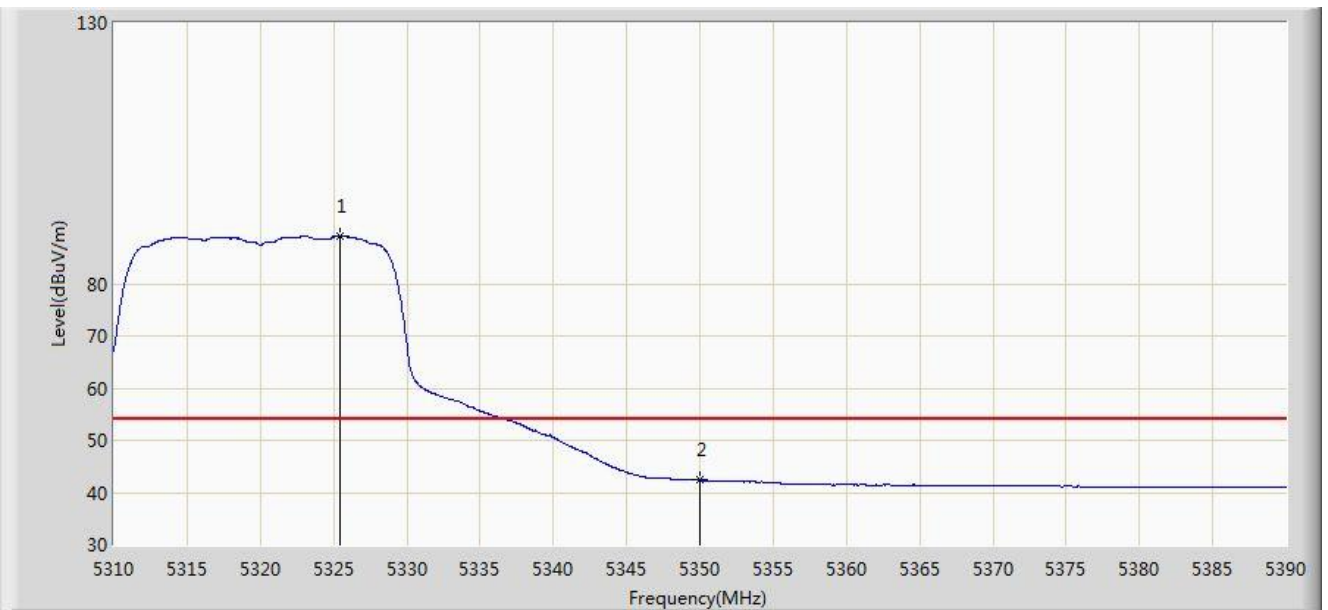
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.480	89.171	86.109	N/A	N/A	3.063	AV
2			5350.000	42.354	39.322	-11.646	54.000	3.032	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|	
Site: AC1	Time: 2017/12/06 - 22:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	
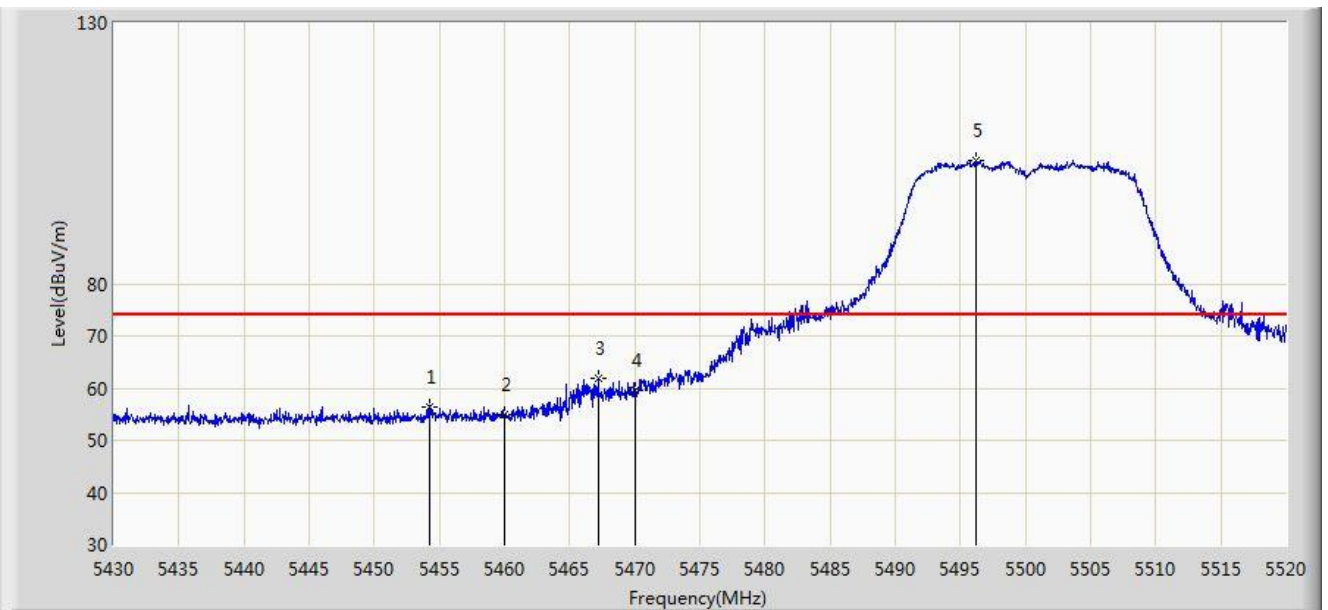
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.210	56.337	52.890	-17.663	74.000	3.447	PK
2			5460.000	54.983	51.501	-19.017	74.000	3.482	PK
3			5467.170	61.969	58.446	-12.031	74.000	3.523	PK
4			5470.000	59.474	55.935	-14.526	74.000	3.539	PK
5		*	5496.195	103.664	100.134	N/A	N/A	3.530	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	
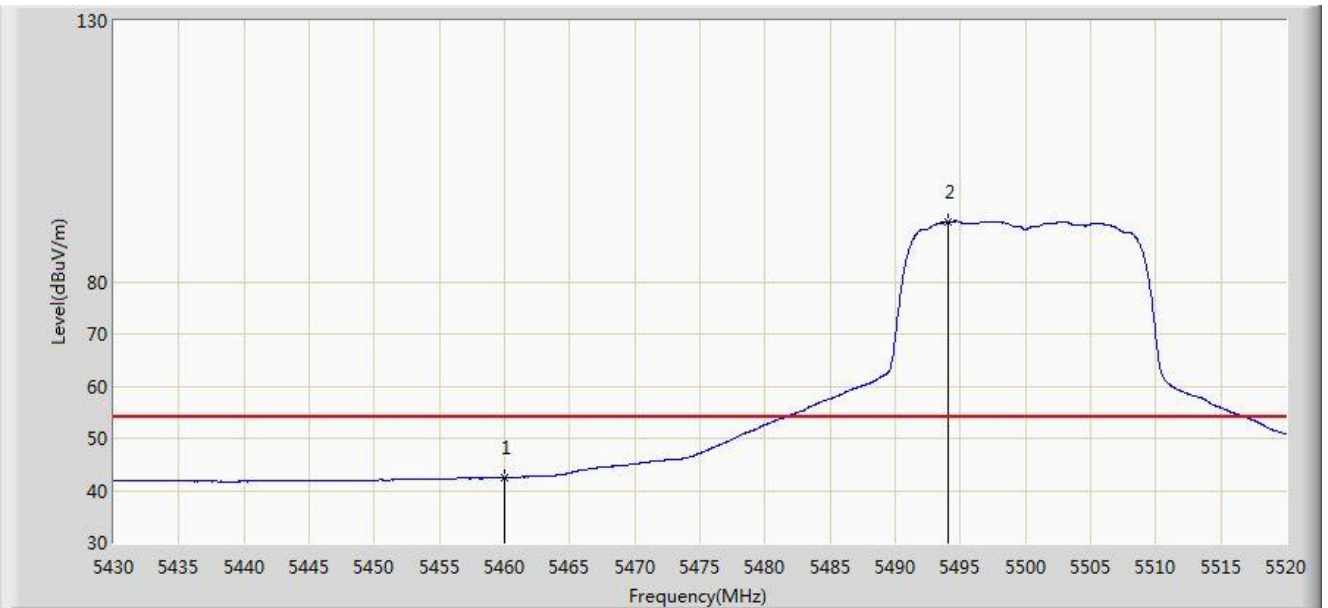
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.469	38.987	-11.531	54.000	3.482	AV
2		*	5494.080	91.432	87.899	N/A	N/A	3.533	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

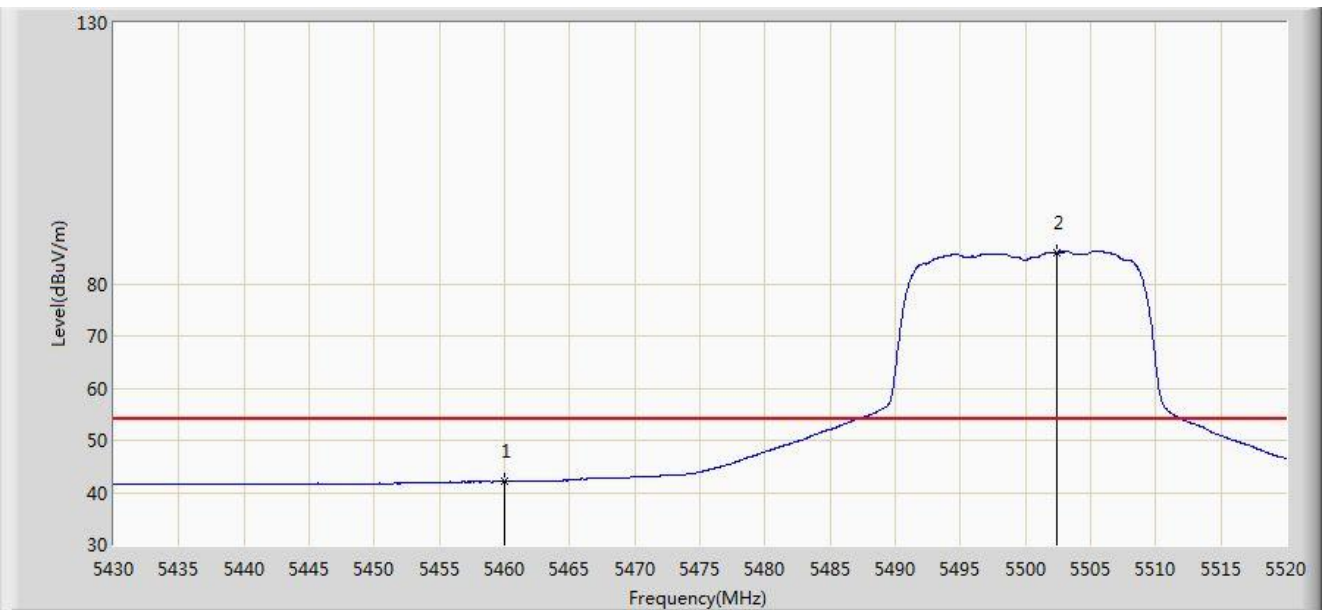| Site: AC1	Time: 2017/12/06 - 22:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	
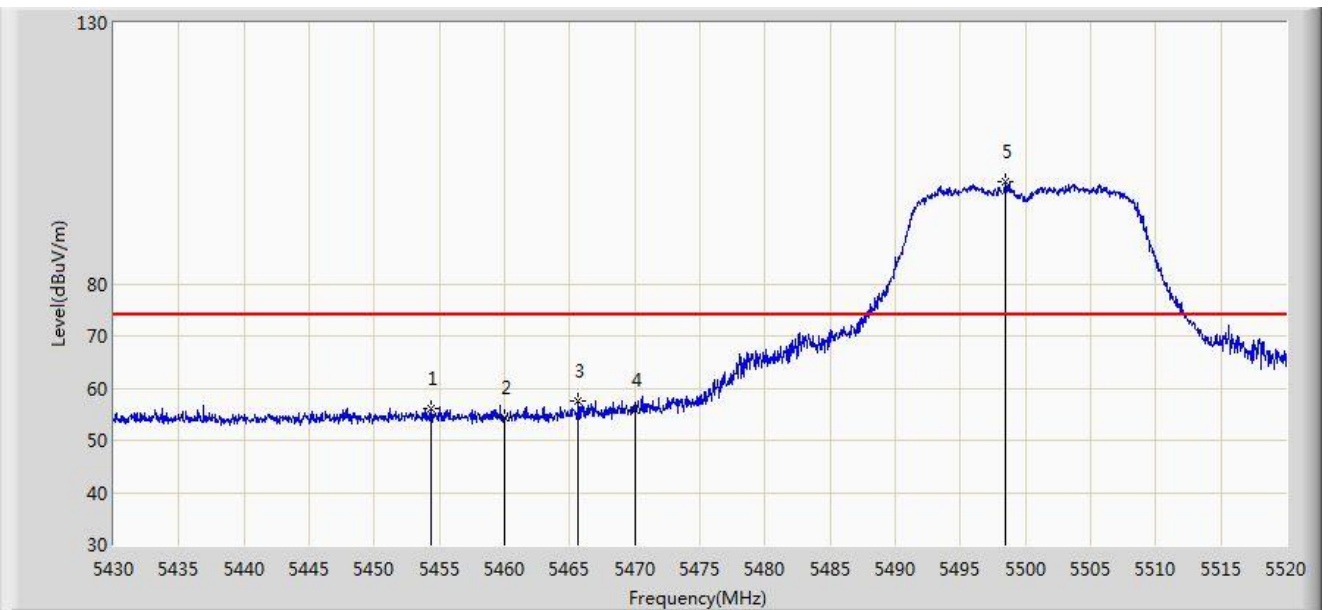
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.345	56.178	52.730	-17.822	74.000	3.449	PK
2			5460.000	54.439	50.957	-19.561	74.000	3.482	PK
3			5465.640	57.578	54.064	-16.422	74.000	3.514	PK
4			5470.000	55.942	52.403	-18.058	74.000	3.539	PK
5		*	5498.490	99.472	95.944	N/A	N/A	3.528	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

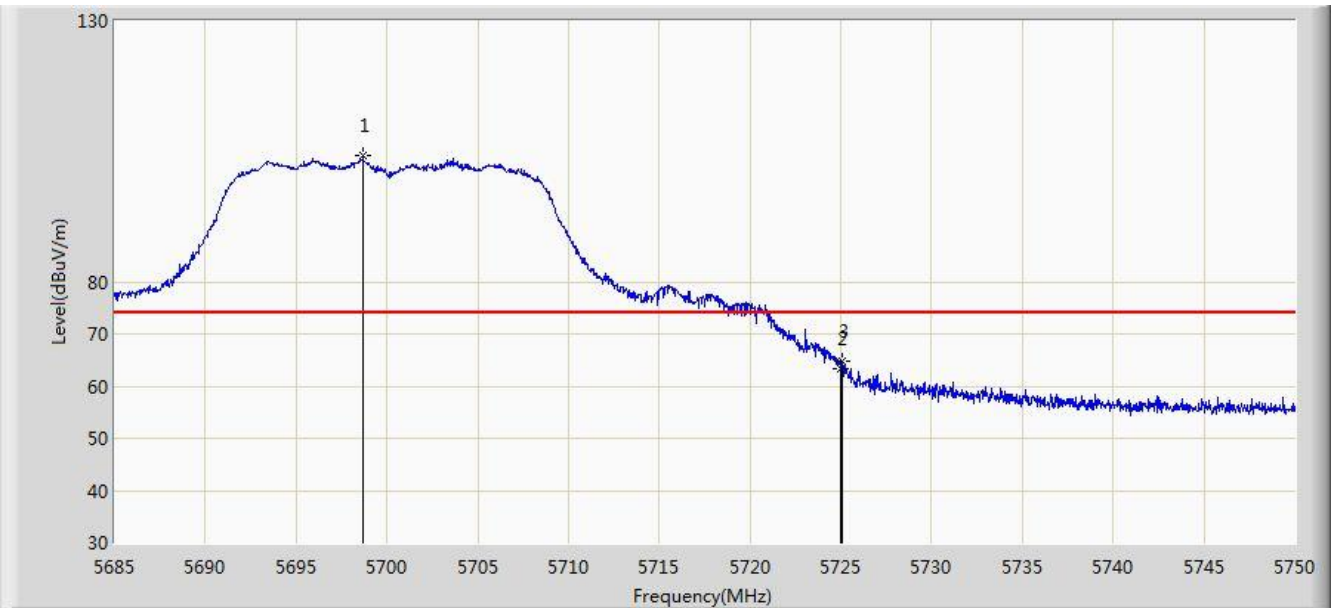| Site: AC1	Time: 2017/12/06 - 22:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.068	38.586	-11.932	54.000	3.482	AV
2		*	5502.450	86.038	82.514	N/A	N/A	3.524	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5698.683	104.117	100.400	N/A	N/A	3.717	PK
2			5725.000	63.336	59.545	-10.664	74.000	3.791	PK
3			5725.105	64.901	61.110	-9.099	74.000	3.791	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz	
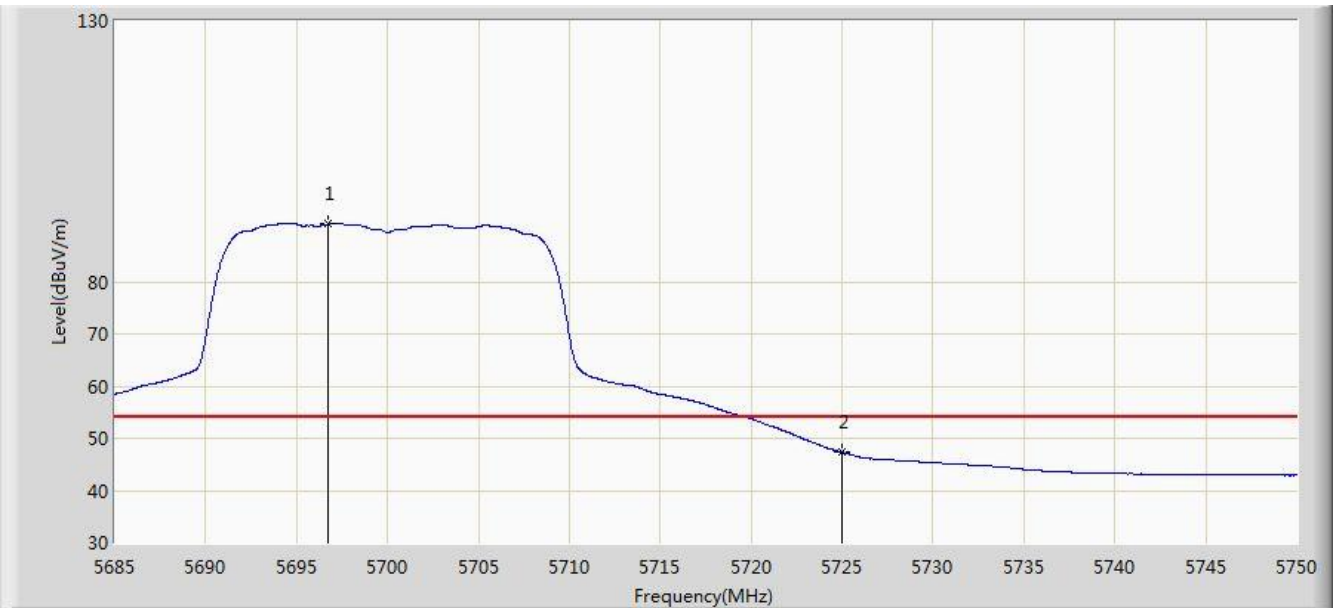
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.700	91.031	87.317	N/A	N/A	3.714	AV
2			5725.000	47.325	43.534	-6.675	54.000	3.791	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz	
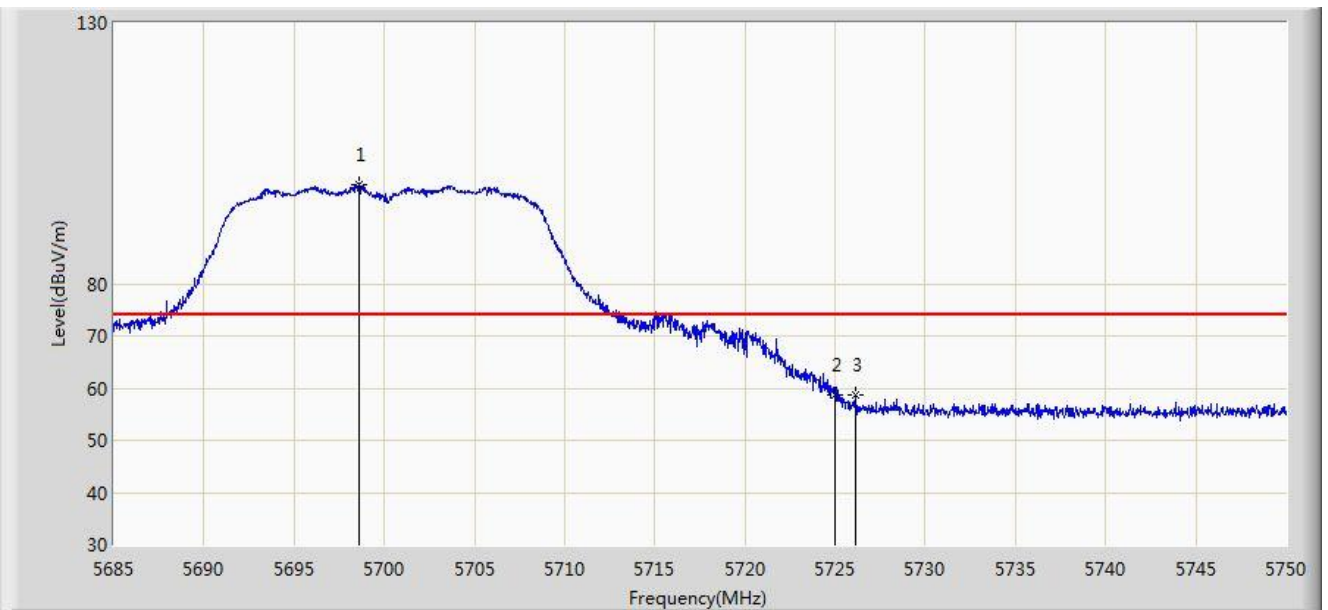
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.585	99.119	95.402	N/A	N/A	3.716	PK
2			5725.000	58.733	54.942	-15.267	74.000	3.791	PK
3			5726.112	58.684	54.890	-15.316	74.000	3.794	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz	
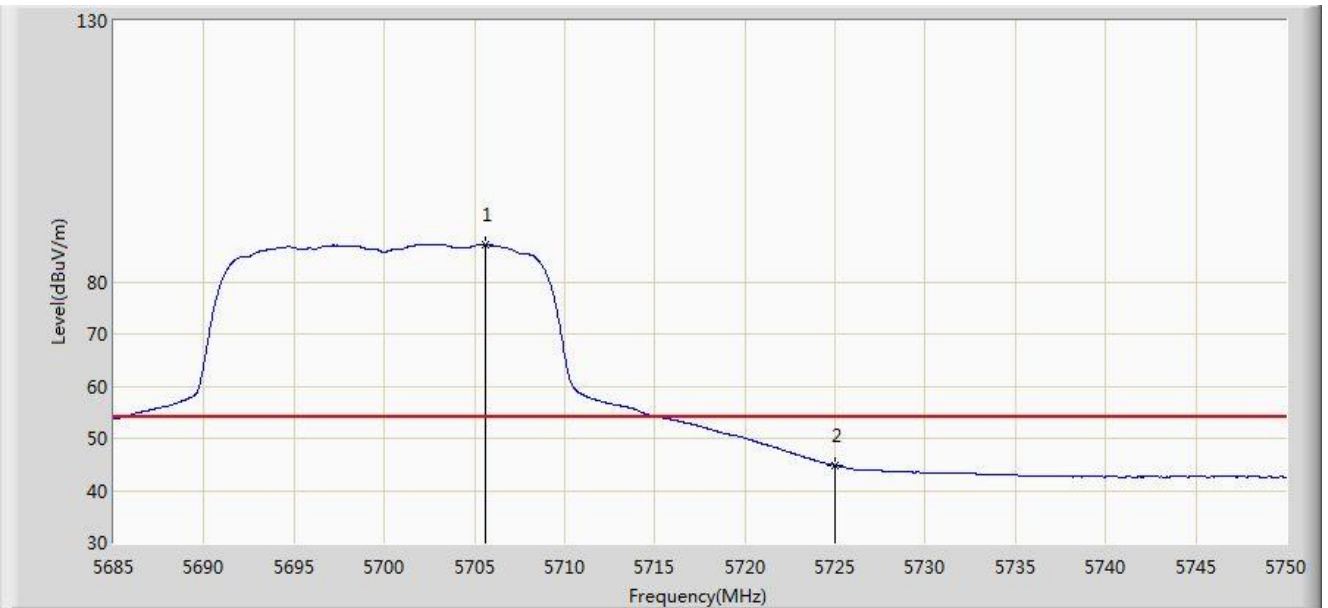
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5705.572	87.030	83.298	N/A	N/A	3.731	AV
2			5725.000	44.806	41.015	-9.194	54.000	3.791	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:58
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz	
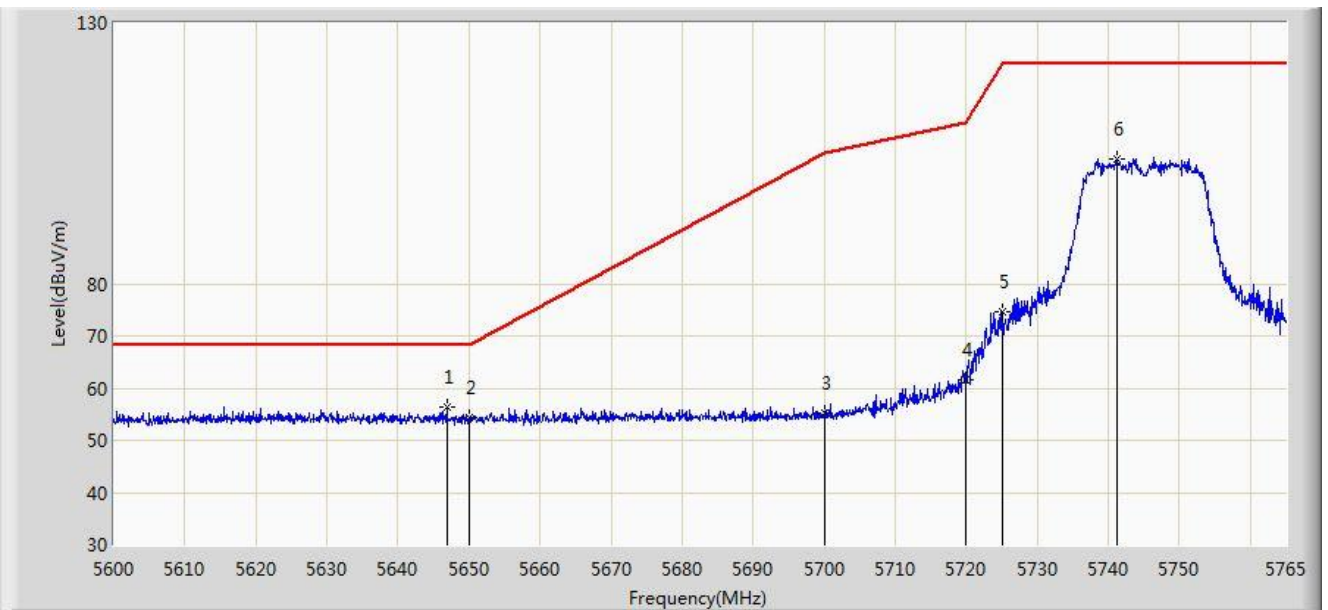
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5646.860	56.497	52.874	-11.703	68.200	3.624	PK
2			5650.000	54.226	50.599	-13.974	68.200	3.627	PK
3			5700.000	55.360	51.641	-49.840	105.200	3.719	PK
4			5720.000	61.632	57.856	-49.168	110.800	3.776	PK
5			5725.000	74.532	70.741	-47.668	122.200	3.791	PK
6			5741.240	103.857	100.017	N/A	N/A	3.840	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2017/12/06 - 22:59
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz	
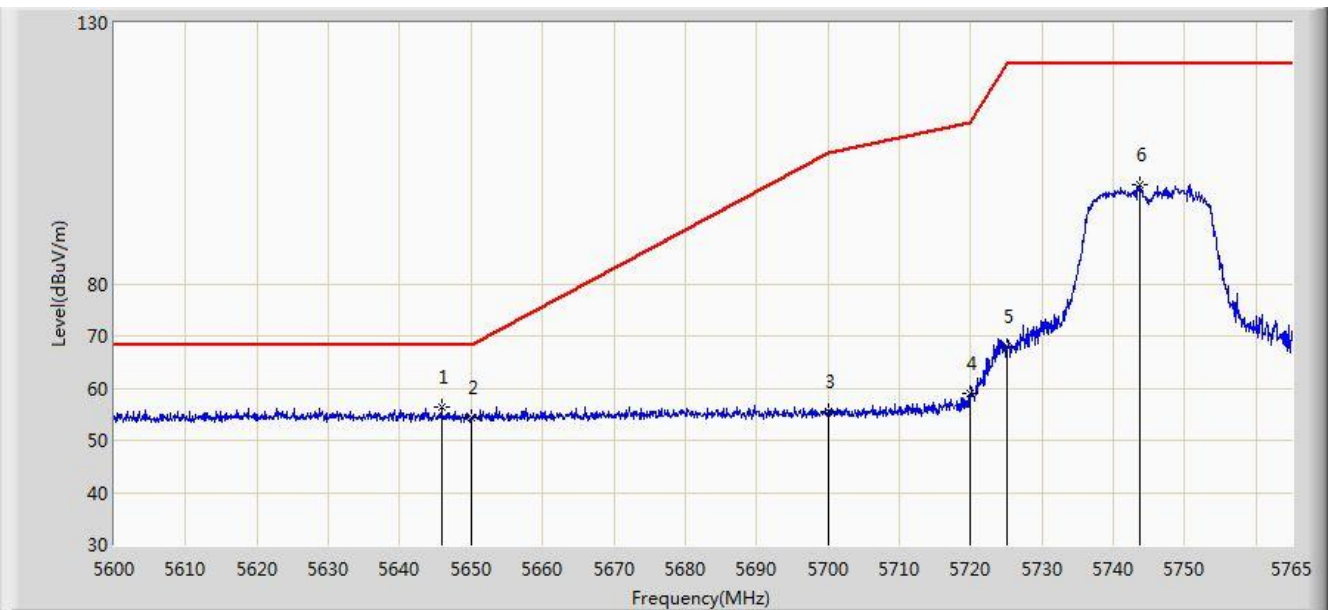
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5645.870	56.277	52.655	-11.923	68.200	3.621	PK
2			5650.000	54.291	50.664	-13.909	68.200	3.627	PK
3			5700.000	55.643	51.924	-49.557	105.200	3.719	PK
4			5720.000	59.126	55.350	-51.674	110.800	3.776	PK
5			5725.000	67.917	64.126	-54.283	122.200	3.791	PK
6			5743.797	98.883	95.035	N/A	N/A	3.848	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1 | Time: 2017/12/06 - 23:02 |
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz	
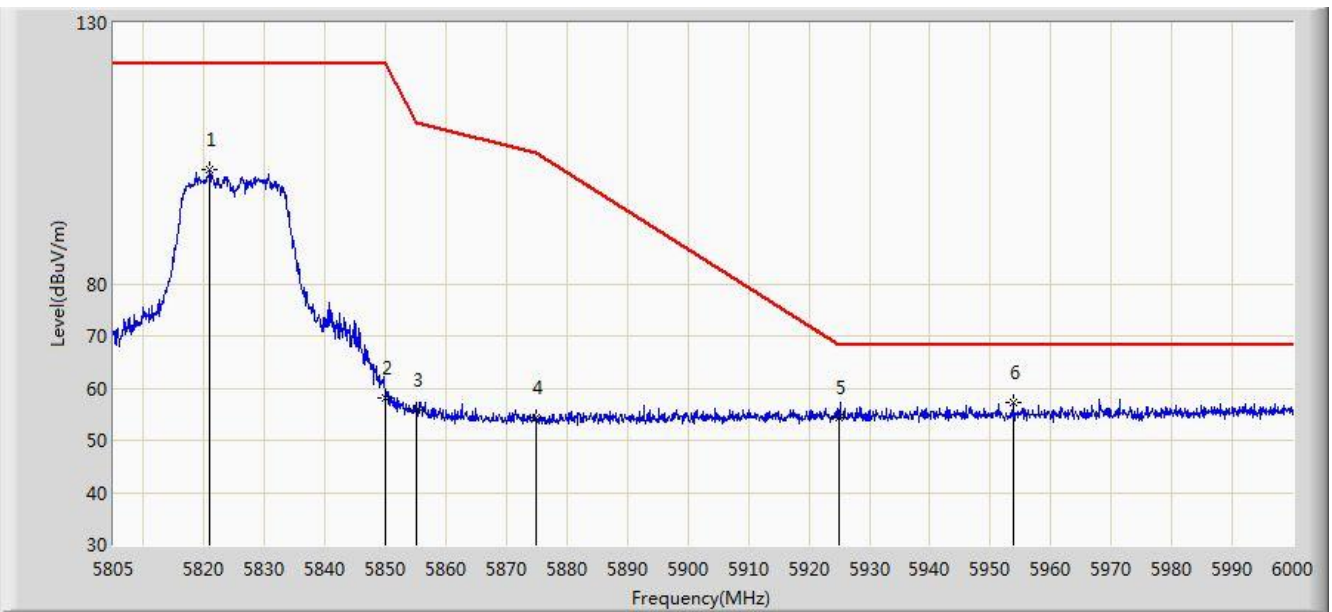
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5820.990	101.743	97.747	N/A	N/A	3.996	PK
2			5850.000	58.216	54.159	-63.984	122.200	4.058	PK
3			5855.000	55.934	51.874	-54.866	110.800	4.060	PK
4			5875.000	54.238	50.133	-50.962	105.200	4.105	PK
5			5925.000	54.481	50.228	-13.719	68.200	4.254	PK
6		*	5953.785	57.242	52.959	-10.958	68.200	4.283	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/06 - 23:04
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz	
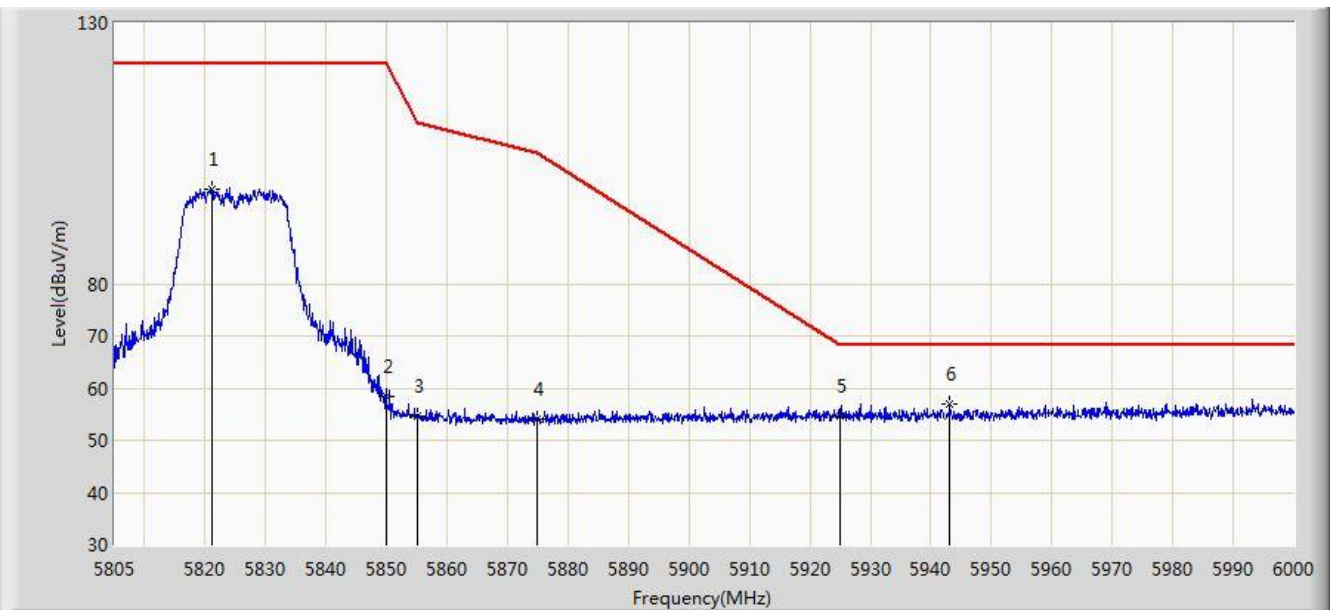
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.185	98.213	94.216	N/A	N/A	3.997	PK
2			5850.000	58.402	54.345	-63.798	122.200	4.058	PK
3			5855.000	54.659	50.599	-56.141	110.800	4.060	PK
4			5875.000	53.976	49.871	-51.224	105.200	4.105	PK
5			5925.000	54.605	50.352	-13.595	68.200	4.254	PK
6		*	5943.158	56.901	52.630	-11.299	68.200	4.271	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

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

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

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

7.10.3.Test Setup
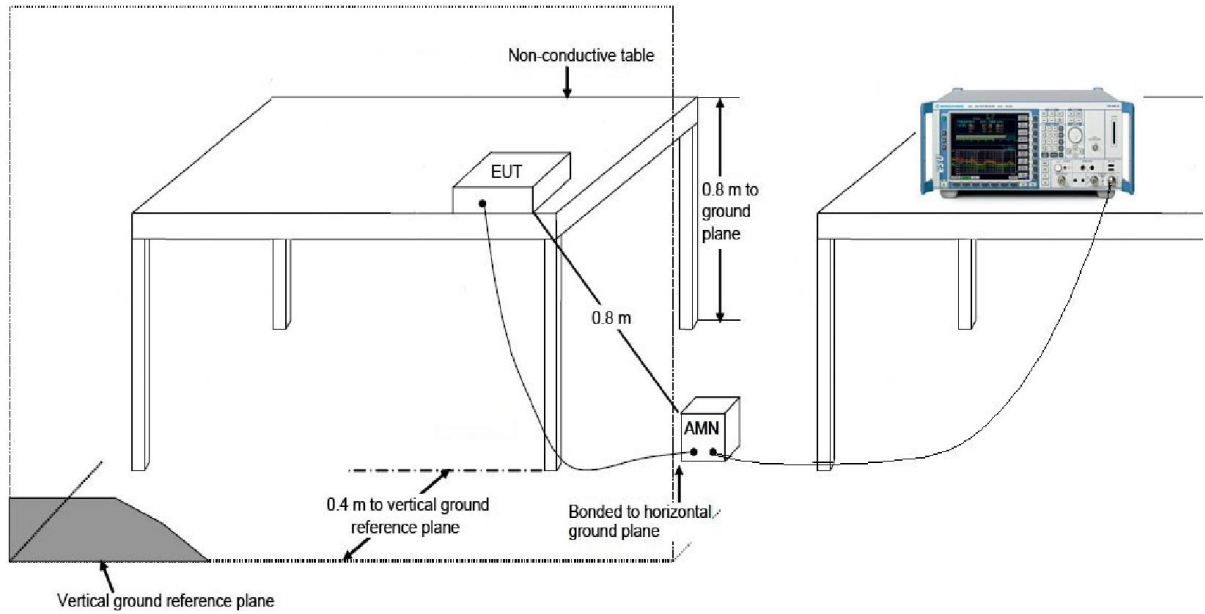
7.10.4.Test Result

| Site: SR2	Time: 2017/11/17 - 17:21
Limit: FCC_Part15.207_CE_AC Power	Engineer: Polly Zong
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5220MHz	
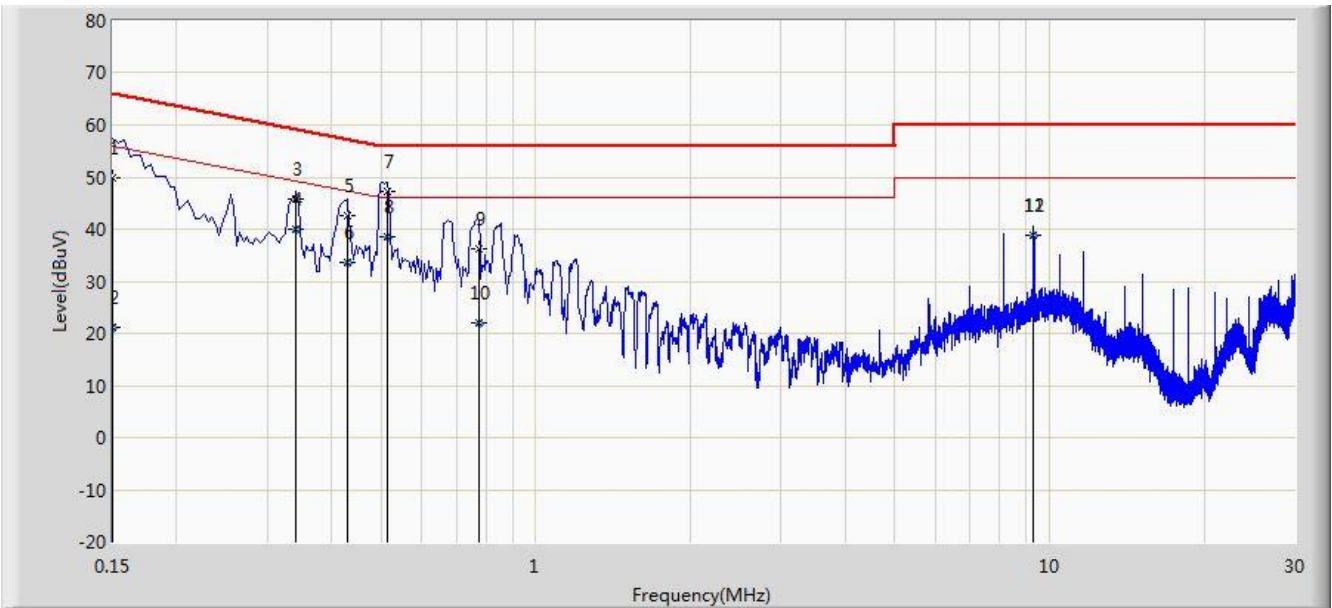
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	49.930	38.761	-16.070	66.000	11.168	QP
2			0.150	21.145	9.976	-34.855	56.000	11.168	AV
3			0.342	45.804	35.766	-13.351	59.155	10.038	QP
4			0.342	39.996	29.958	-9.158	49.155	10.038	AV
5			0.430	42.714	32.604	-14.538	57.253	10.110	QP
6			0.430	33.582	23.472	-13.670	47.253	10.110	AV
7			0.514	47.129	36.972	-8.871	56.000	10.156	QP
8		*	0.514	38.646	28.490	-7.354	46.000	10.156	AV
9			0.774	36.177	26.153	-19.823	56.000	10.024	QP
10			0.774	21.922	11.898	-24.078	46.000	10.024	AV
11			9.318	38.885	28.732	-21.115	60.000	10.153	QP
12			9.318	38.755	28.602	-11.245	50.000	10.153	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2017/11/17 - 17:28
Limit: FCC_Part15.207_CE_AC Power	Engineer: Polly Zong
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: ECG analysis system	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5220MHz	
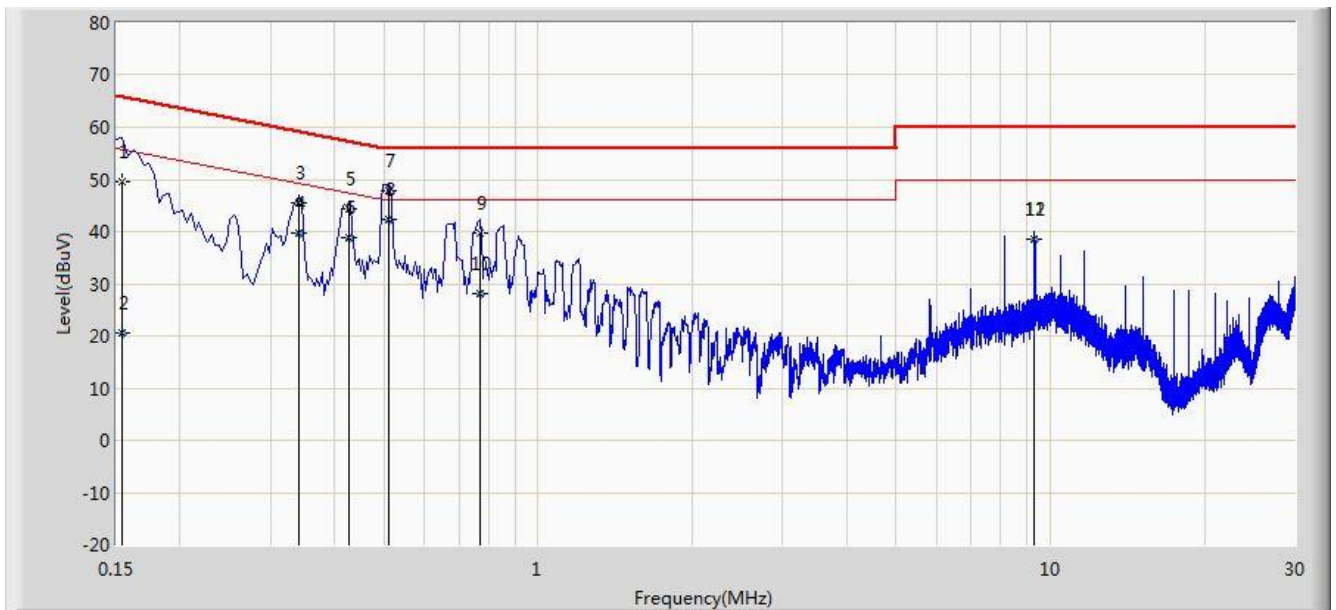
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	49.487	38.771	-16.294	65.781	10.716	QP
2			0.154	20.514	9.798	-35.267	55.781	10.716	AV
3			0.342	45.626	35.557	-13.528	59.155	10.069	QP
4			0.342	39.816	29.747	-9.339	49.155	10.069	AV
5			0.426	44.465	34.333	-12.865	57.330	10.132	QP
6			0.426	38.917	28.785	-8.413	47.330	10.132	AV
7			0.510	47.952	37.775	-8.048	56.000	10.176	QP
8		*	0.510	42.178	32.001	-3.822	46.000	10.176	AV
9			0.770	39.672	29.635	-16.328	56.000	10.036	QP
10			0.770	28.217	18.181	-17.783	46.000	10.036	AV
11			9.318	38.572	28.401	-21.428	60.000	10.171	QP
12			9.318	38.442	28.270	-11.558	50.000	10.171	AV

Note: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **ECG analysis system** is in

compliance with Part 15E of the FCC Rules and IC Rules.

———————————— The End ————————————