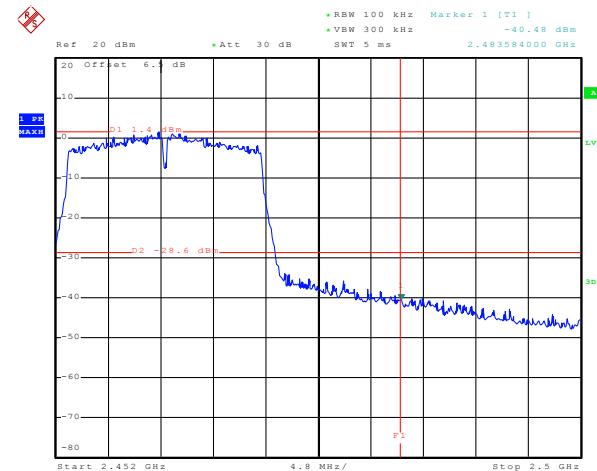
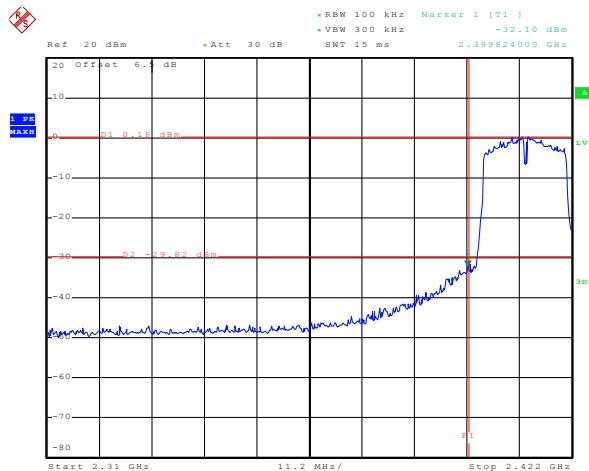


Test mode:

802.11n(H20)



Date: 14.OCT.2014 21:29:35

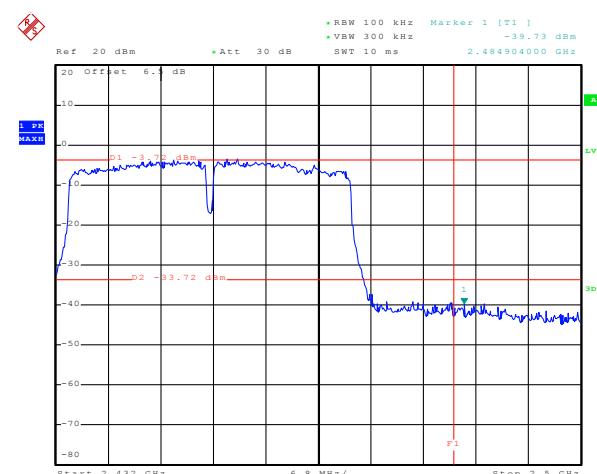
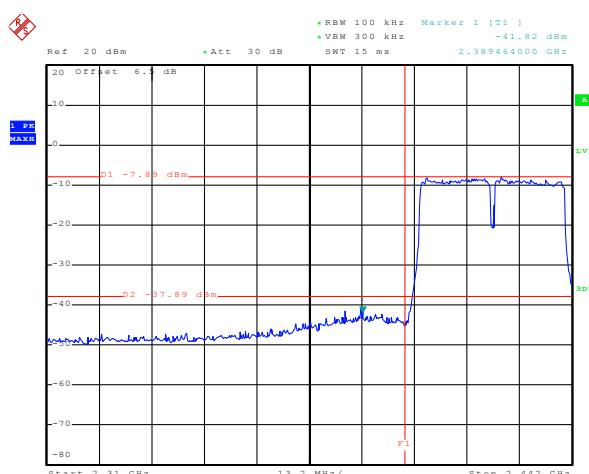
Lowest channel

Date: 14.OCT.2014 21:47:05

Highest channel

Test mode:

802.11n(H40)



Date: 20.OCT.2014 20:03:43

Lowest channel

Date: 14.OCT.2014 21:48:52

Highest channel

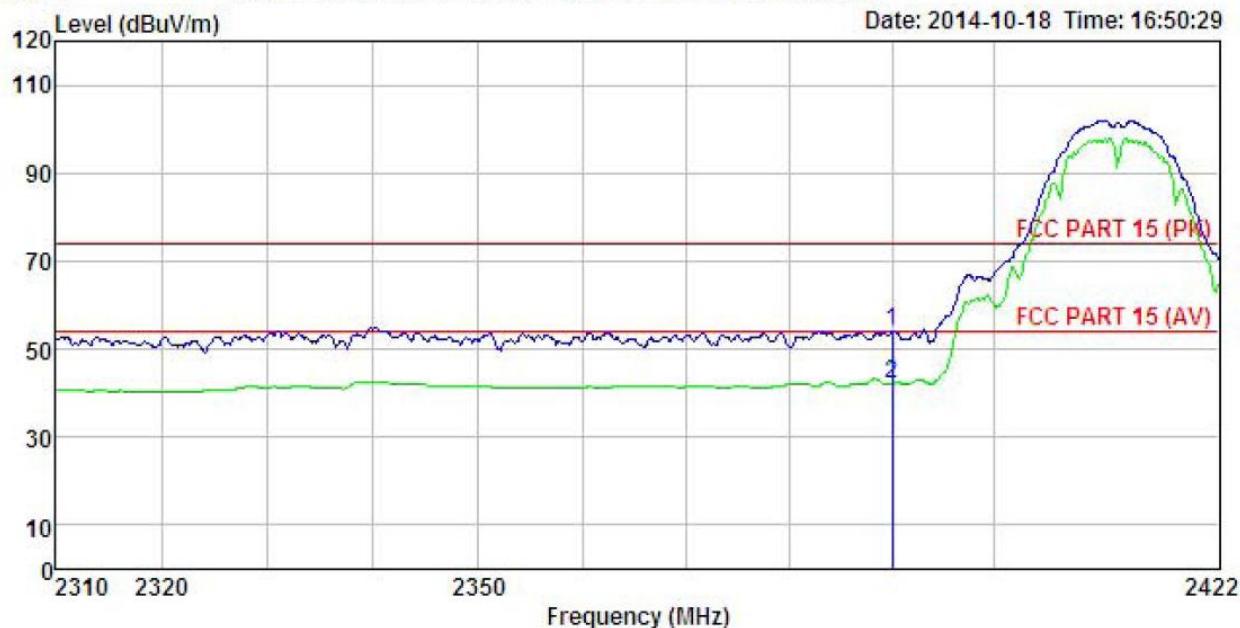
6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205 and RSS-210 section A8.5																			
Test Method:	ANSI C63.4: 2003 / RSS-Gen section 4.9																			
Test Frequency Range:	2.3GHz to 2.5GHz																			
Test site:	Measurement Distance: 3m																			
Receiver setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>Above 1GHz</td> <td>Peak</td> <td>1MHz</td> <td>3MHz</td> <td>Peak Value</td> </tr> <tr> <td></td> <td>Peak</td> <td>1MHz</td> <td>10Hz</td> <td>Average Value</td> </tr> </tbody> </table>					Frequency	Detector	RBW	VBW	Remark	Above 1GHz	Peak	1MHz	3MHz	Peak Value		Peak	1MHz	10Hz	Average Value
Frequency	Detector	RBW	VBW	Remark																
Above 1GHz	Peak	1MHz	3MHz	Peak Value																
	Peak	1MHz	10Hz	Average Value																
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Limit (dBuV/m @3m)</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>Above 1GHz</td> <td>54.00</td> <td>Average Value</td> </tr> <tr> <td></td> <td>74.00</td> <td>Peak Value</td> </tr> </tbody> </table>					Frequency	Limit (dBuV/m @3m)	Remark	Above 1GHz	54.00	Average Value		74.00	Peak Value						
Frequency	Limit (dBuV/m @3m)	Remark																		
Above 1GHz	54.00	Average Value																		
	74.00	Peak Value																		
Test Procedure:	<ol style="list-style-type: none"> The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 																			
Test setup:																				
Test Instruments:	Refer to section 5.7 for details																			
Test mode:	Refer to section 5.3 for details																			
Test results:	Passed																			

802.11b

Test channel: Lowest

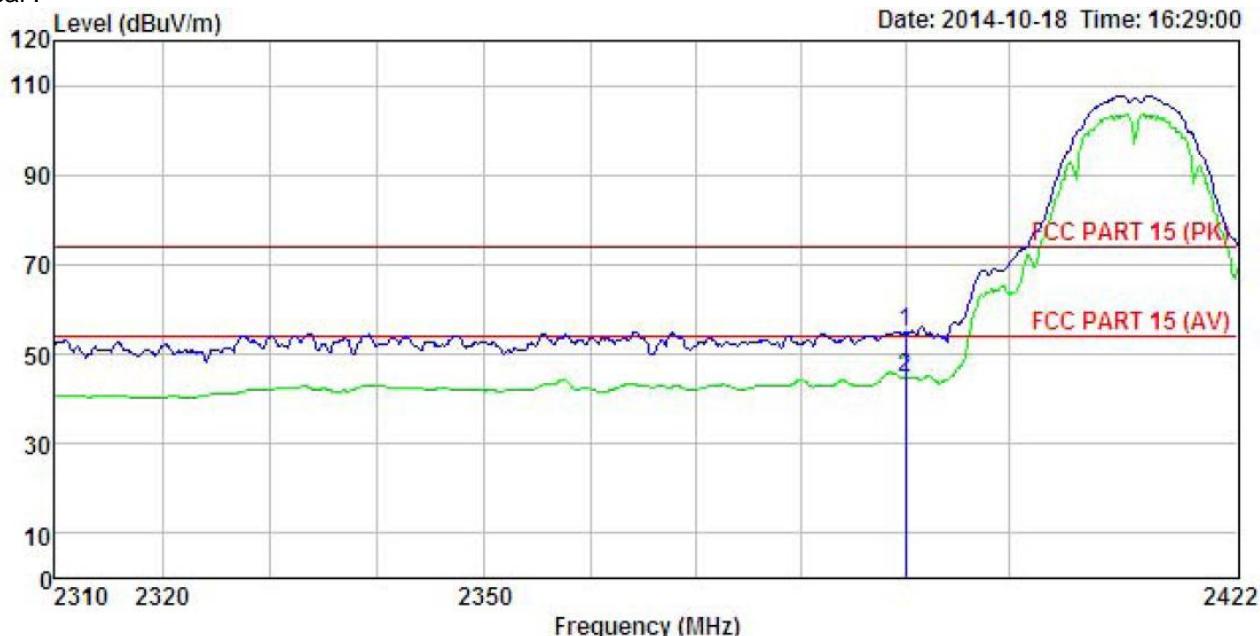
Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI B-L Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	20.99	27.58	5.67	0.00	54.24	74.00 -19.76 Peak
2	2390.000	8.95	27.58	5.67	0.00	42.20	54.00 -11.80 Average

Vertical :



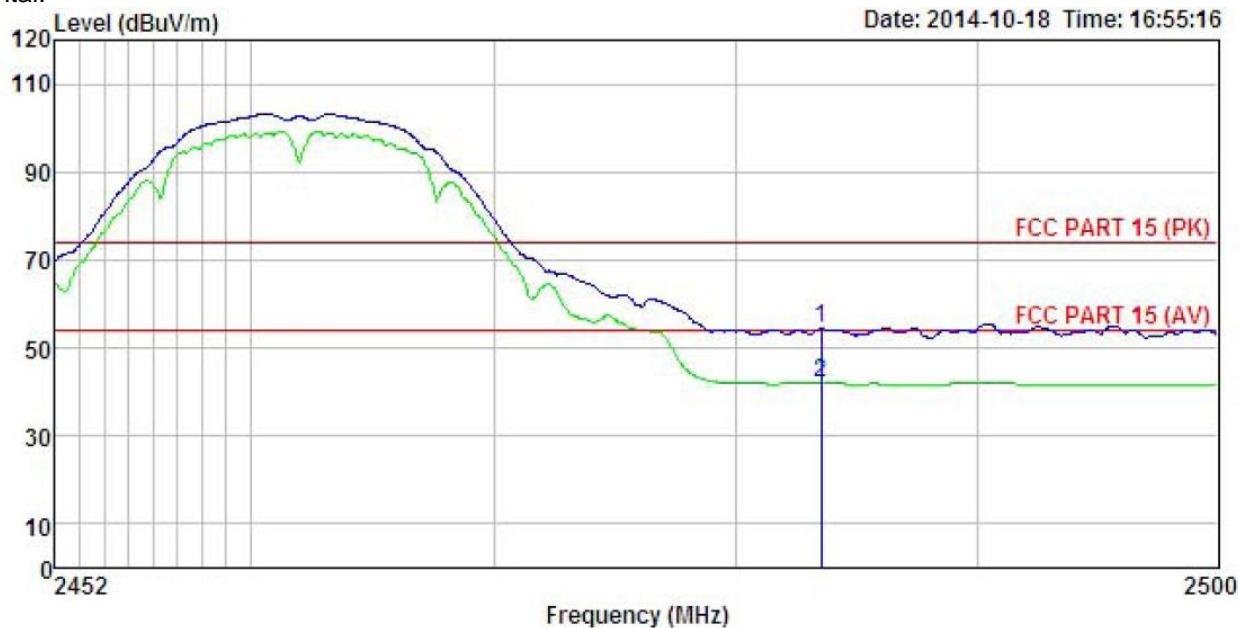
Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI B-L Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb

REMARK :

	ReadAntenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2390.000	21.65	27.58	5.67	0.00	54.90
2	2390.000	11.48	27.58	5.67	0.00	44.73
					74.00	-19.10 Peak
					54.00	-9.27 Average

Test channel: Highest

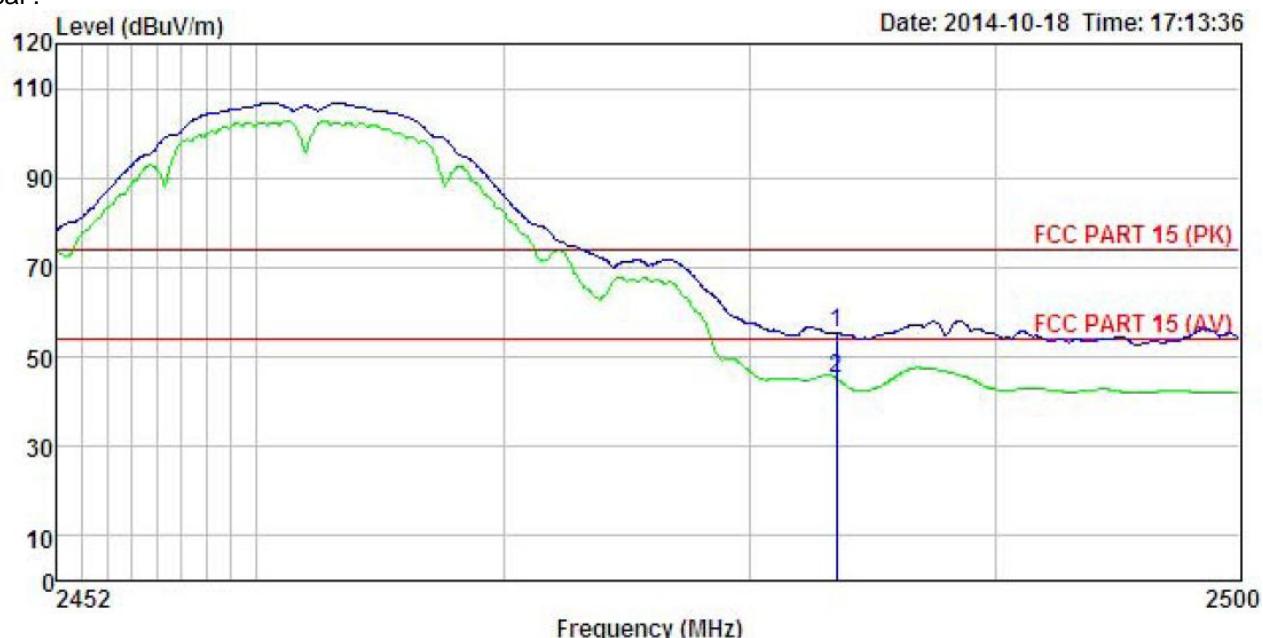
Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI B-H Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Humi:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	21.12	27.52	5.70	0.00	54.34	74.00 -19.66 Peak
2	2483.500	8.76	27.52	5.70	0.00	41.98	54.00 -12.02 Average

Vertical :



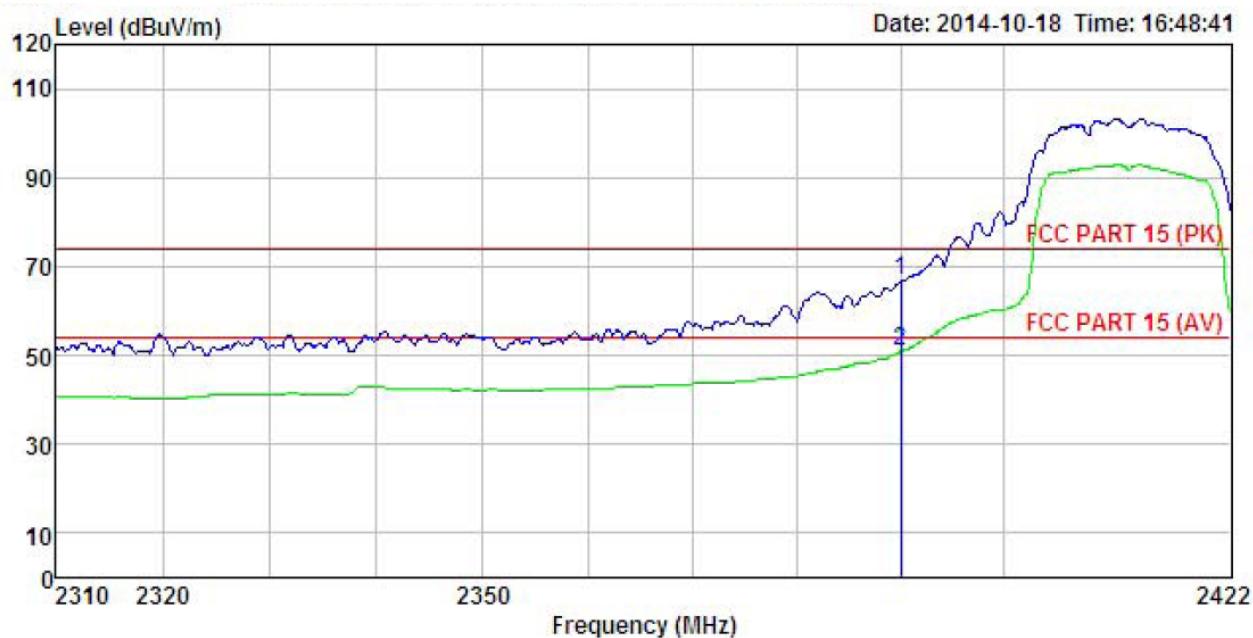
Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI B-H Mode
Power Rating : AC120W/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

	ReadAntenna	Cable	Preamp	Limit	Over		
Freq	Level	Factor	Loss	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2483.500	22.13	27.52	5.70	0.00	55.35	74.00 -18.65 Peak
2	2483.500	11.91	27.52	5.70	0.00	45.13	54.00 -8.87 Average

802.11g

Test channel: Lowest

Horizontal :



Site : 3m chamber

Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL

EUT : DECT Phone

Model : Smart 63

Test mode : WIFI G-L Mode

Power Rating : AC120V/60Hz

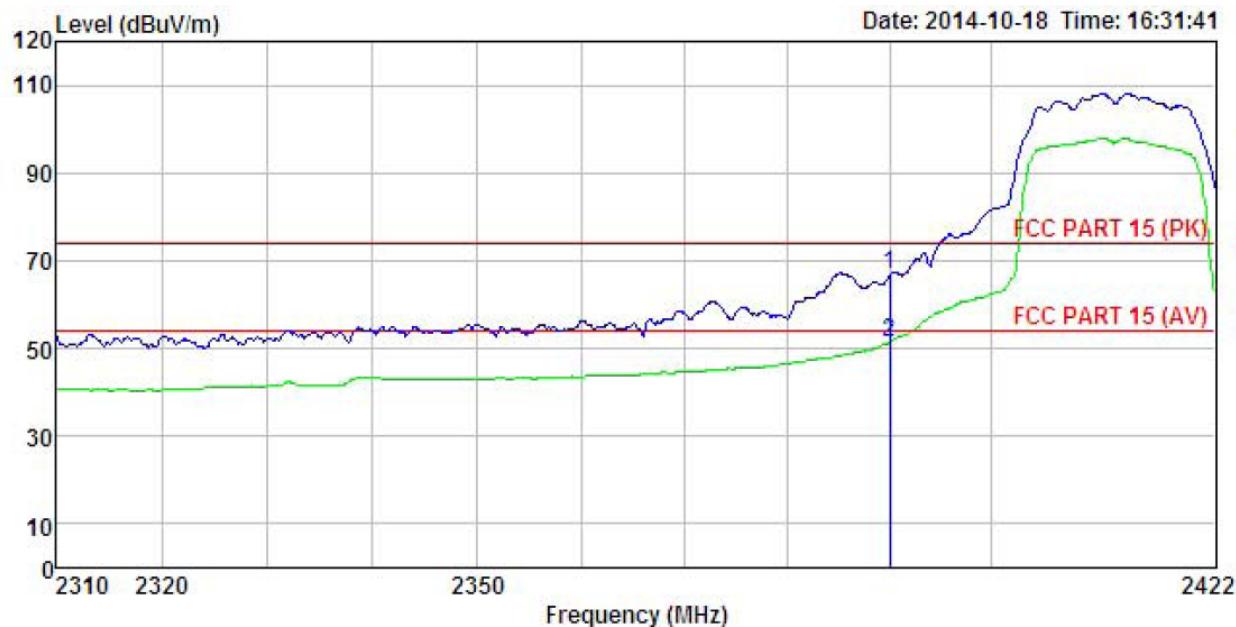
Environment : Temp:25.5°C Huni:55%

Test Engineer: A-bomb

REMARK :

	Freq	ReadAntenna Level	Cable Factor	Preamp Loss	Limit Factor	Line Level	Over Line Limit	Over Line Remark
	MHz	dB _{UV}	dB/m	dB	dB	dB _{UV} /m	dB _{UV} /m	dB
1	2390.000	33.68	27.58	5.67	0.00	66.93	74.00	-7.07 Peak
2	2390.000	17.71	27.58	5.67	0.00	50.96	54.00	-3.04 Average

Vertical :

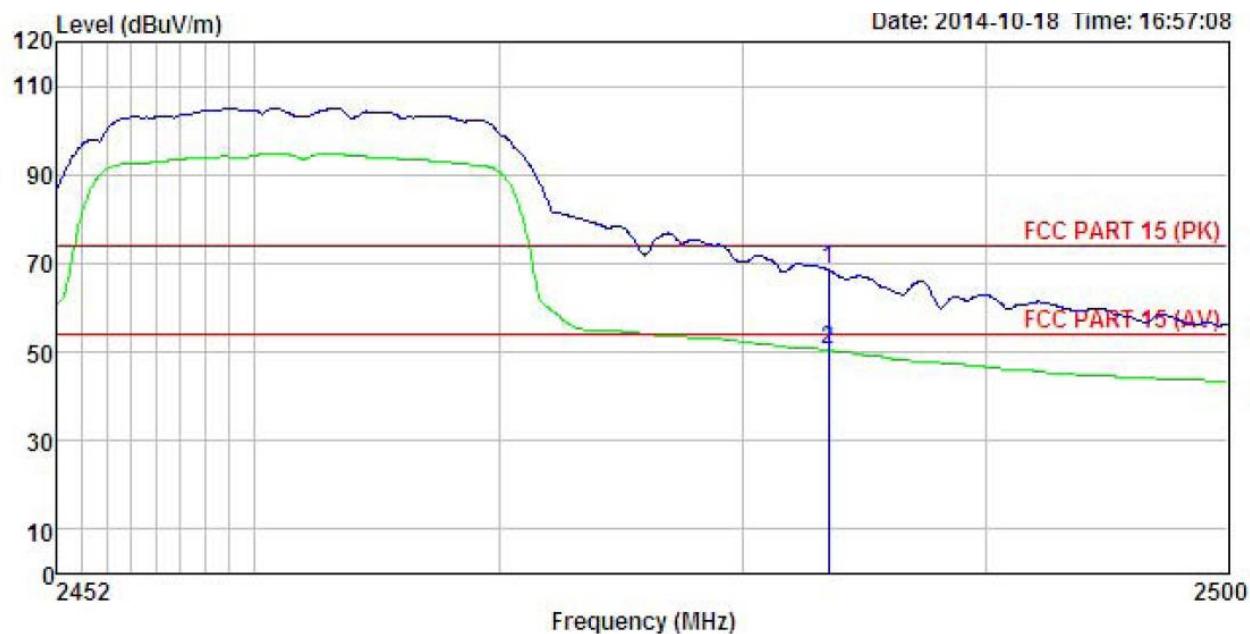


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI G-L Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Humi:55%
Test Engineer: A-bomb
REMARK :

Freq	ReadAntenna		Cable	Preamp	Limit	Over	Remark
	Level	Factor	Loss	Factor			
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	33.71	27.58	5.67	0.00	66.96	74.00 -7.04 Peak
2	2390.000	18.23	27.58	5.67	0.00	51.48	54.00 -2.52 Average

Test channel: Highest

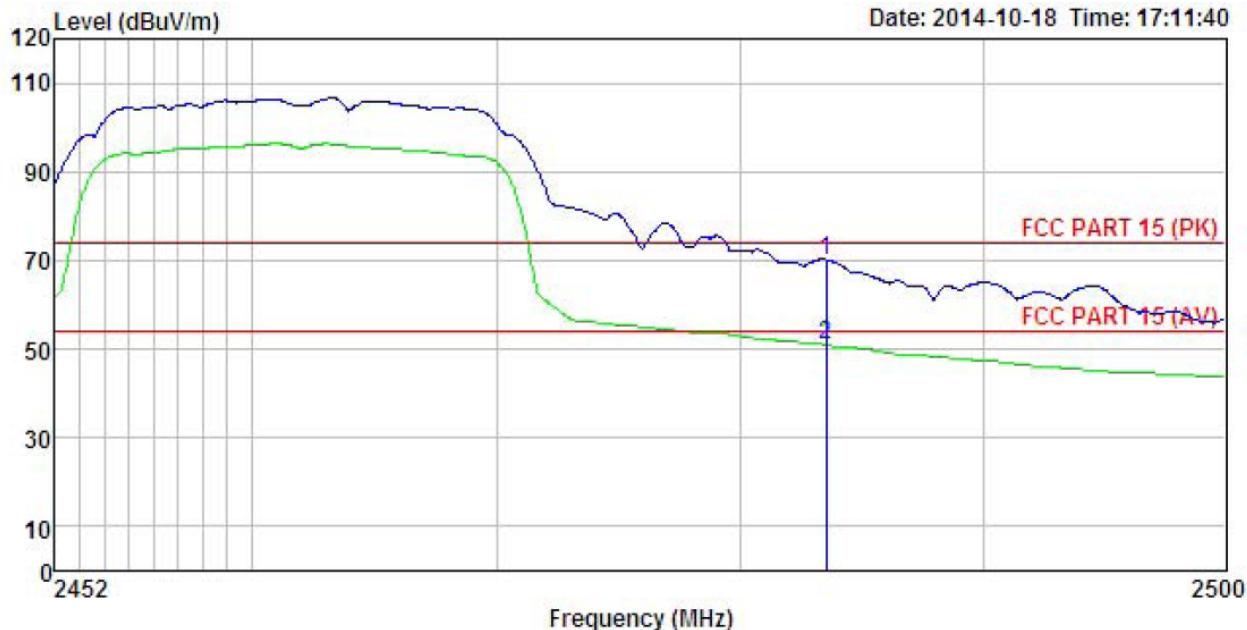
Horizontal :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI G-H Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	35.23	27.52	5.70	0.00	68.45	74.00 -5.55 Peak
2	2483.500	17.11	27.52	5.70	0.00	50.33	54.00 -3.67 Average

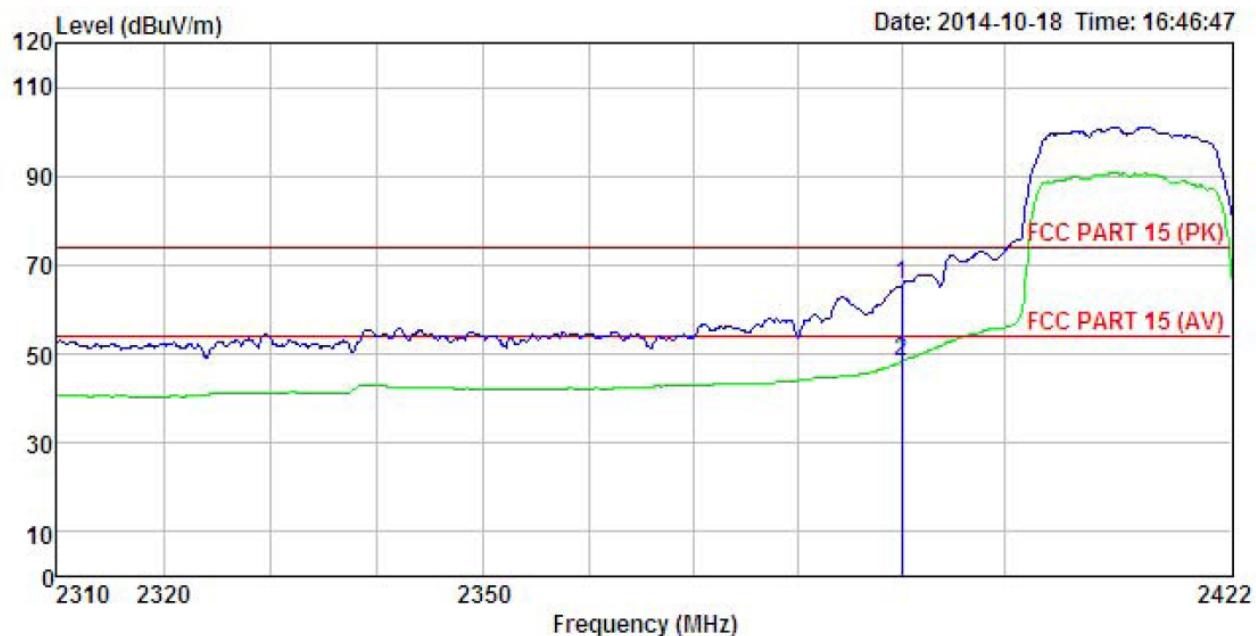
Vertical :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI G-H Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Humi:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	36.95	27.52	5.70	0.00	70.17	74.00
2	2483.500	17.69	27.52	5.70	0.00	50.91	54.00
						-3.83	Peak
						-3.09	Average

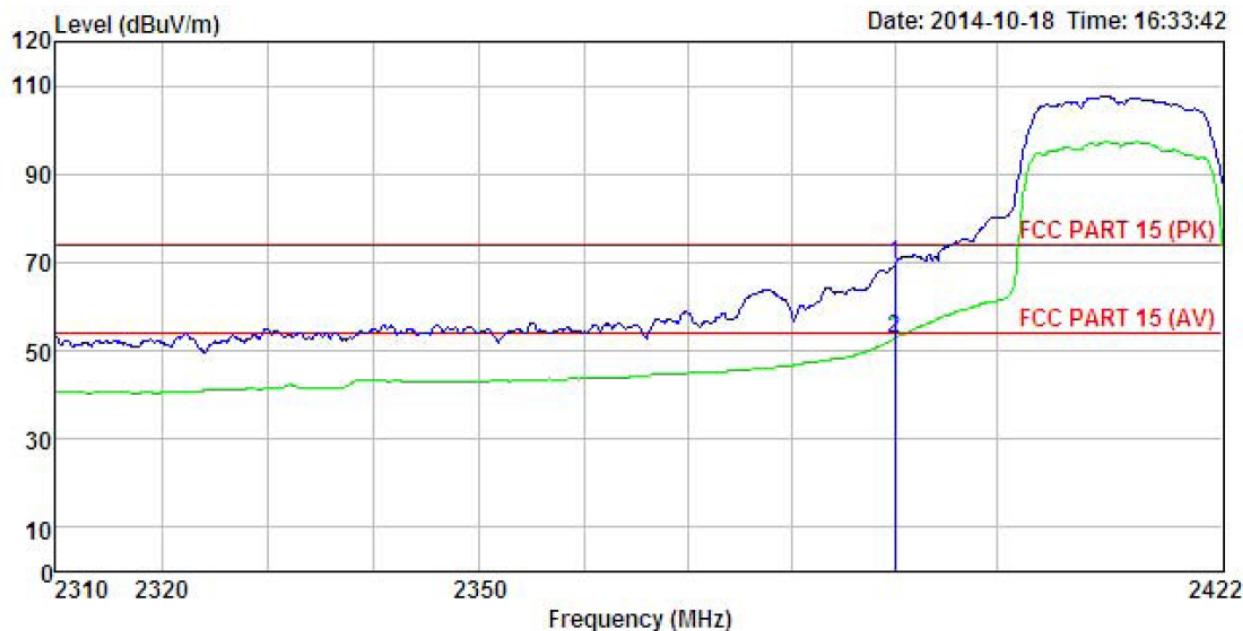
802.11n (H20)
Test channel: Lowest
Horizontal :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI N20-L Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

Freq	Read	Antenna	Cable	Preamp	Limit	Over	Remark
	Level	Factor	Loss	Factor	Level	Line	
MHz	dB _{UV}	dB/m	dB	dB	dB _{UV} /m	dB _{UV} /m	dB
1	2390.000	32.39	27.58	5.67	0.00	65.64	74.00 -8.36 Peak
2	2390.000	15.24	27.58	5.67	0.00	48.49	54.00 -5.51 Average

Vertical :



Site : 3m chamber

Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL

EUT : DECT Phone

Model : Smart 63

Test mode : WIFI N20-L Mode

Power Rating : AC120V/60Hz

Environment : Temp:25.5°C Humi:55%

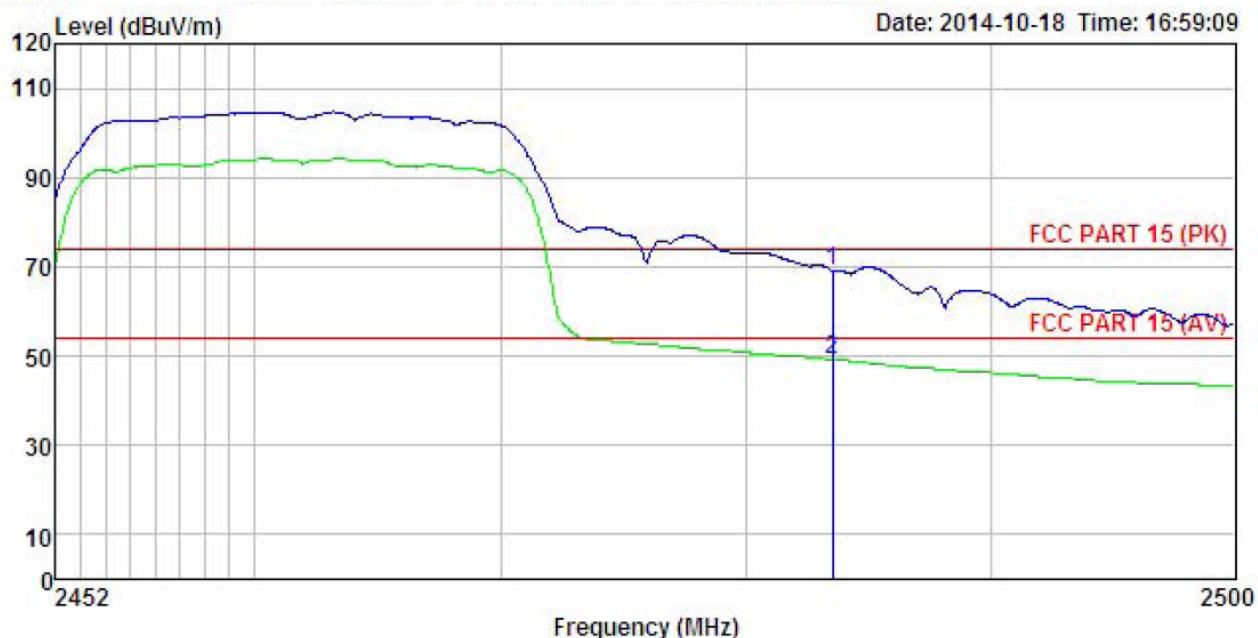
Test Engineer: A-bomb

REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	36.30	27.58	5.67	0.00	69.55	74.00 -4.45 Peak
2	2390.000	19.65	27.58	5.67	0.00	52.90	54.00 -1.10 Average

Test channel: Highest

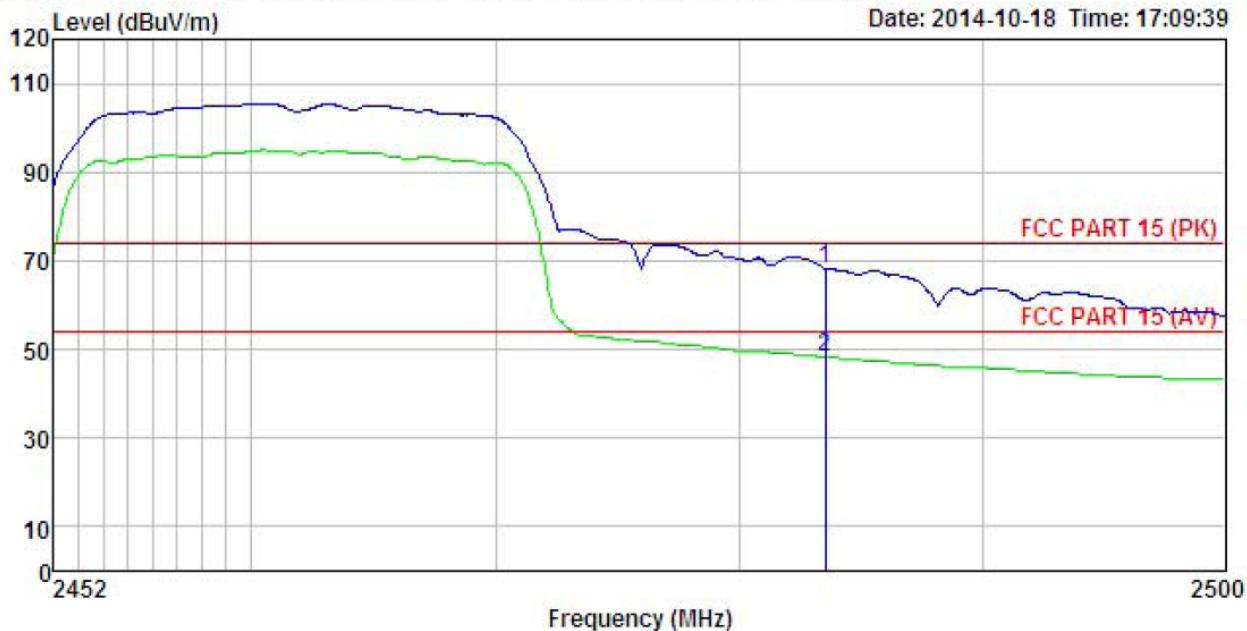
Horizontal :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI N20-H Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

	ReadAntenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dB
1	2483.500	35.68	27.52	5.70	0.00	68.90
2	2483.500	15.97	27.52	5.70	0.00	49.19
					74.00	-5.10 Peak
					54.00	-4.81 Average

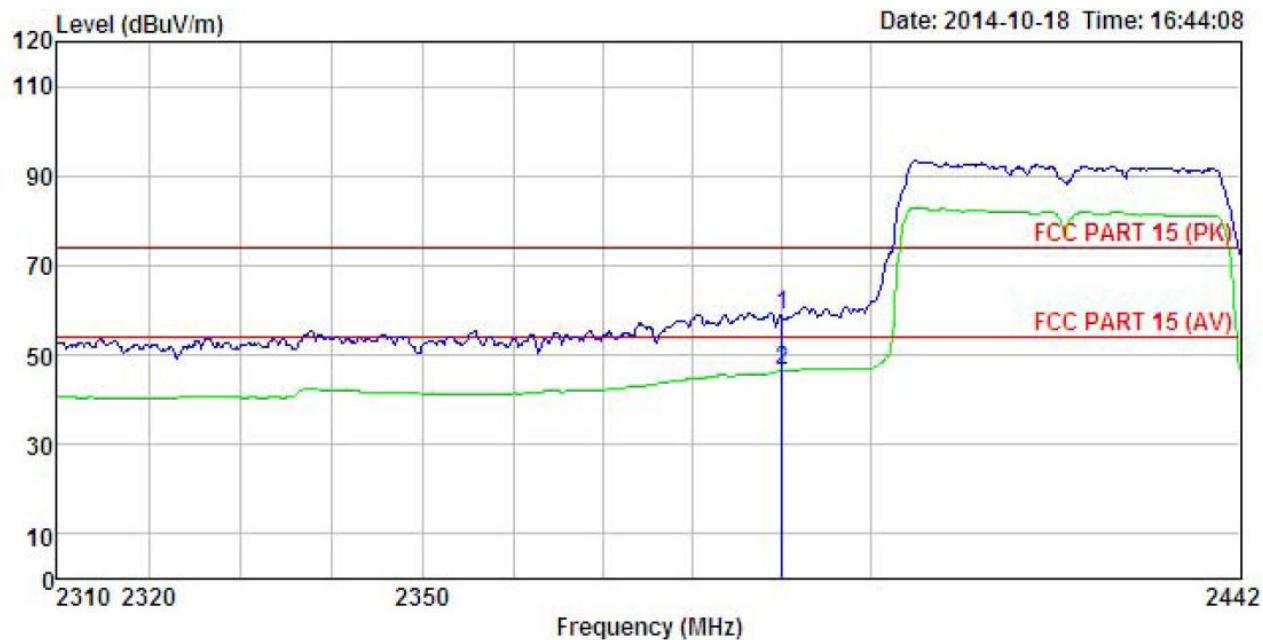
Vertical :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI N20-H Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	34.97	27.52	5.70	0.00	68.19	74.00 -5.81 Peak
2	2483.500	15.11	27.52	5.70	0.00	48.33	54.00 -5.67 Average

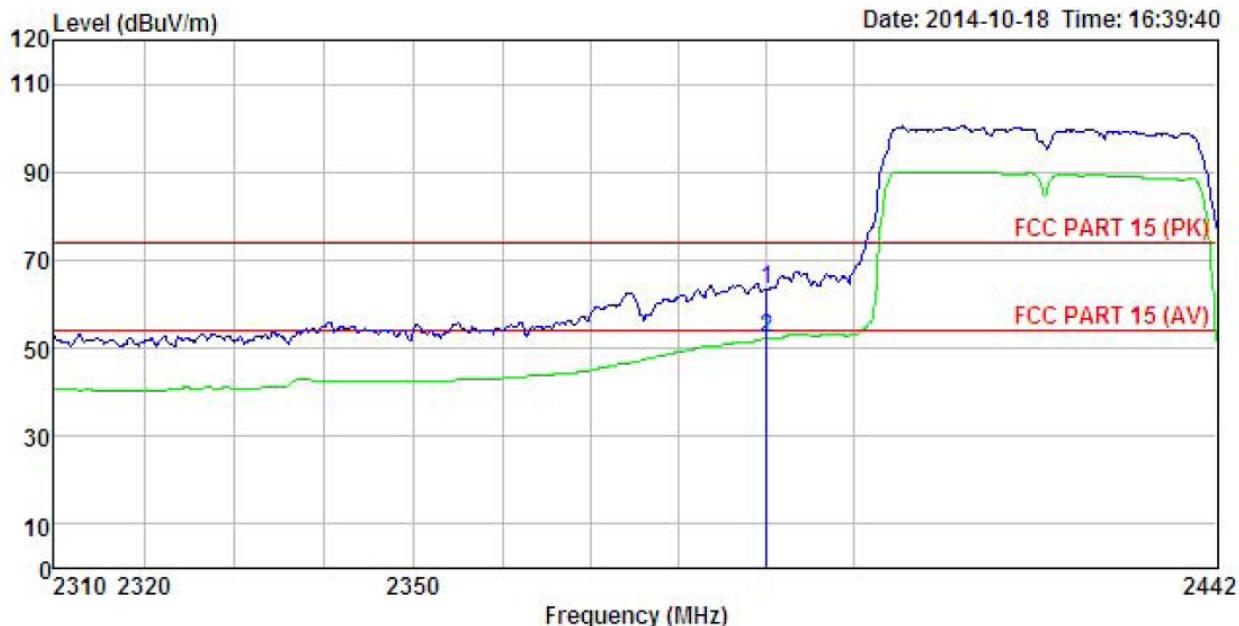
802.11n (H40)
Test channel: Lowest
Horizontal :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI N40-L Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

Freq	Read	Antenna	Cable	Preamp	Limit	Over	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	
1	2390.000	25.43	27.58	5.67	0.00	58.68	74.00 -15.32 Peak
2	2390.000	13.16	27.58	5.67	0.00	46.41	54.00 -7.59 Average

Vertical :

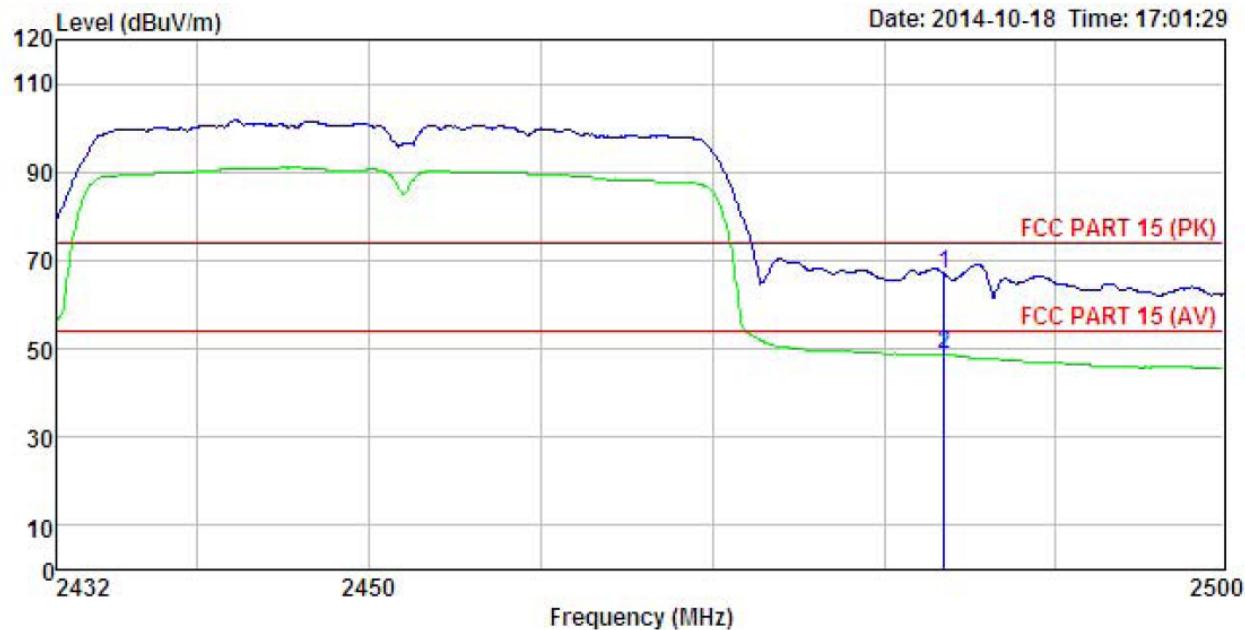


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI N40-L Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb

REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	29.91	27.58	5.67	0.00	63.16	74.00 -10.84 Peak
2	2390.000	19.01	27.58	5.67	0.00	52.26	54.00 -1.74 Average

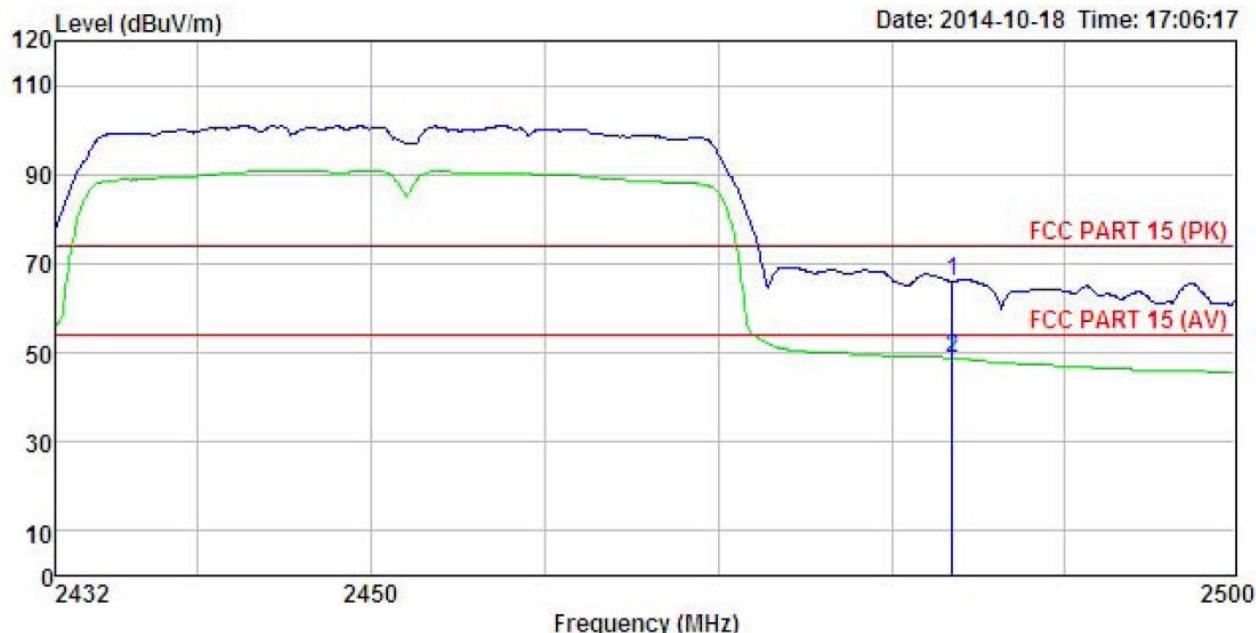
Test channel: Highest
Horizontal :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI N40-H Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Humi:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	33.79	27.52	5.70	0.00	67.01	74.00 -6.99 Peak
2	2483.500	15.41	27.52	5.70	0.00	48.63	54.00 -5.37 Average

Vertical :

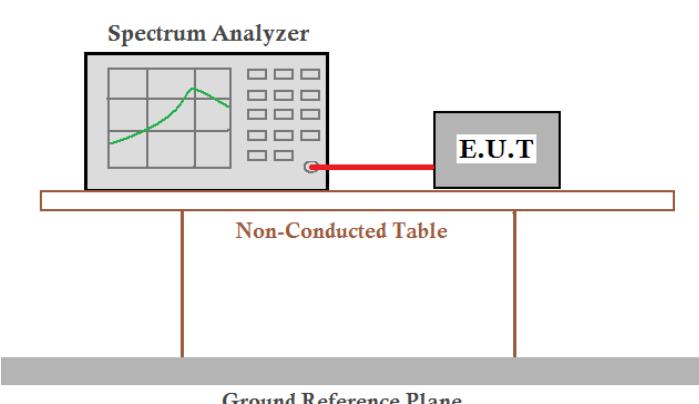


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI N40-H Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Level	Line	Line	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	32.78	27.52	5.70	0.00	66.00	74.00 -8.00 Peak
2	2483.500	15.58	27.52	5.70	0.00	48.80	54.00 -5.20 Average

6.7 Spurious Emission

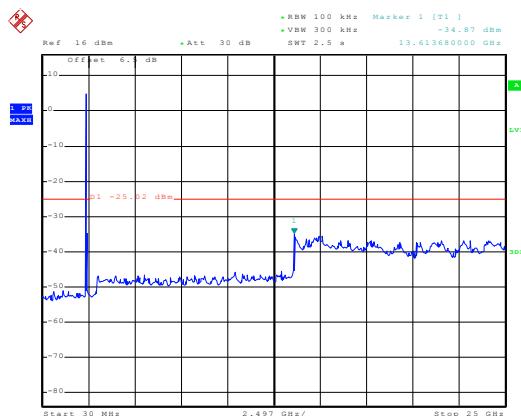
6.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d) and RSS-210 section A8.5
Test Method:	ANSI C63.4:2003 and KDB 558074D01 v03r02 / RSS-210 section A8.5
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

Test mode: 802.11b

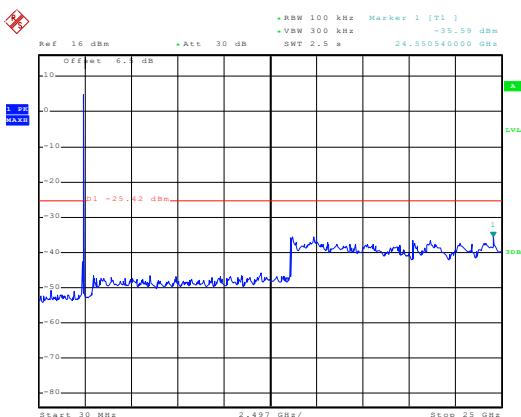
Lowest channel



Date: 14.OCT.2014 22:54:57

30MHz~25GHz

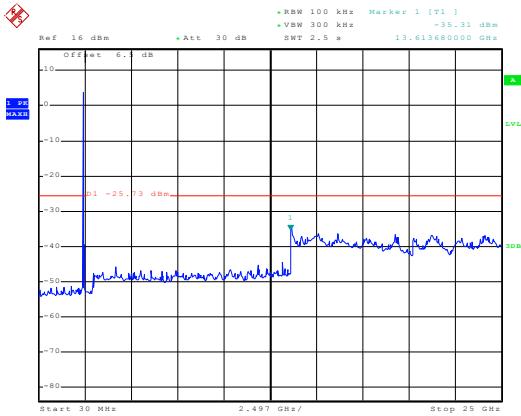
Middle channel



Date: 14.OCT.2014 22:57:32

30MHz~25GHz

Highest channel

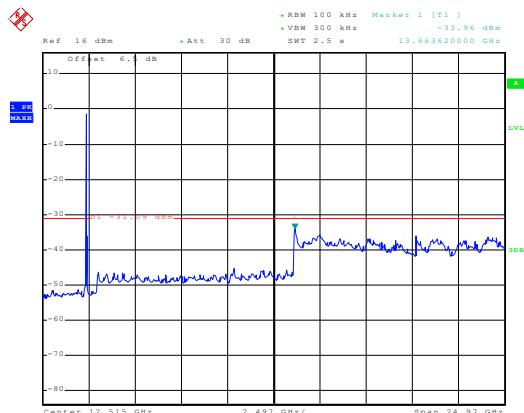


Date: 14.OCT.2014 22:58:12

30MHz~25GHz

Test mode: 802.11g

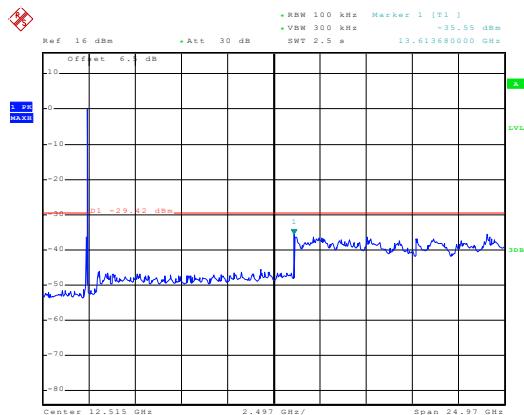
Lowest channel



Date: 14.OCT.2014 22:59:32

30MHz~25GHz

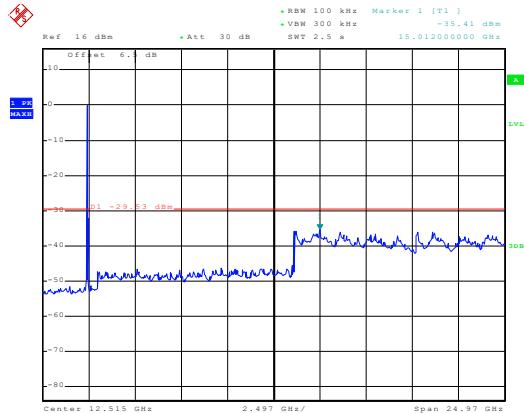
Middle channel



Date: 14.OCT.2014 23:00:25

30MHz~25GHz

Highest channel

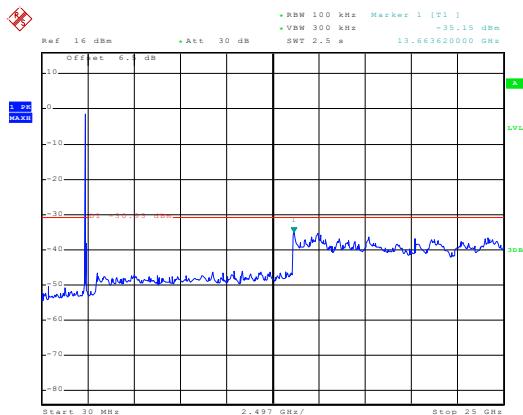


Date: 14.OCT.2014 23:01:07

30MHz~25GHz

Test mode: 802.11n(H20)

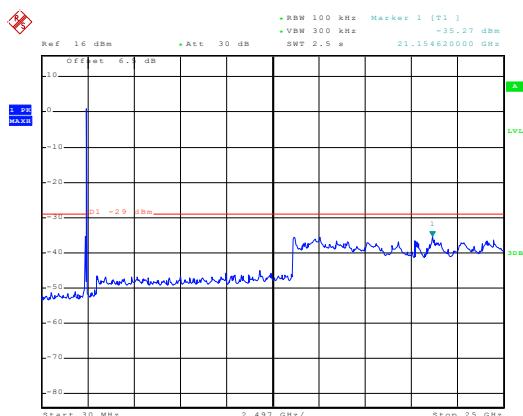
Lowest channel



Date: 14.OCT.2014 23:02:20

30MHz~25GHz

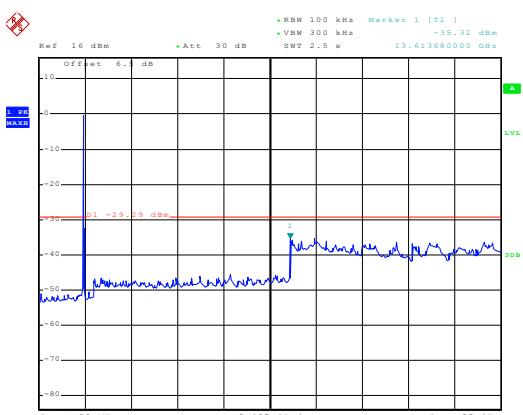
Middle channel



Date: 14.OCT.2014 23:03:26

30MHz~25GHz

Highest channel

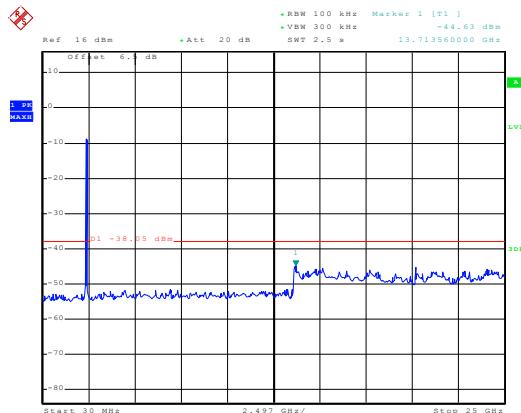


Date: 14.OCT.2014 23:04:13

30MHz~25GHz

Test mode: 802.11n(H40)

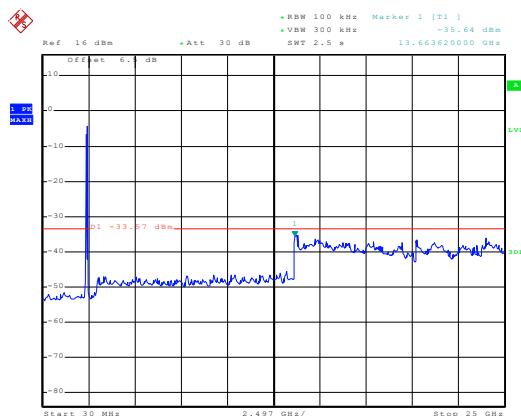
Lowest channel



Date: 20.OCT.2014 19:57:51

30MHz~25GHz

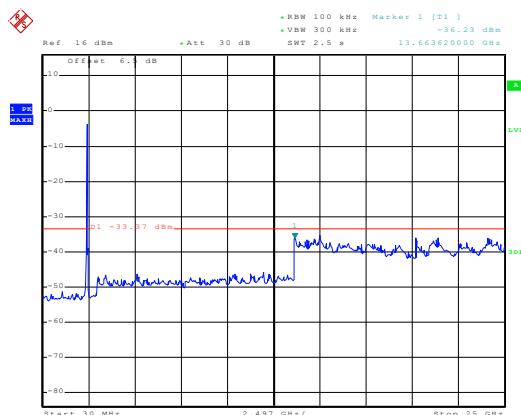
Middle channel



Date: 14.OCT.2014 23:05:58

30MHz~25GHz

Highest channel



Date: 14.OCT.2014 23:06:43

30MHz~25GHz

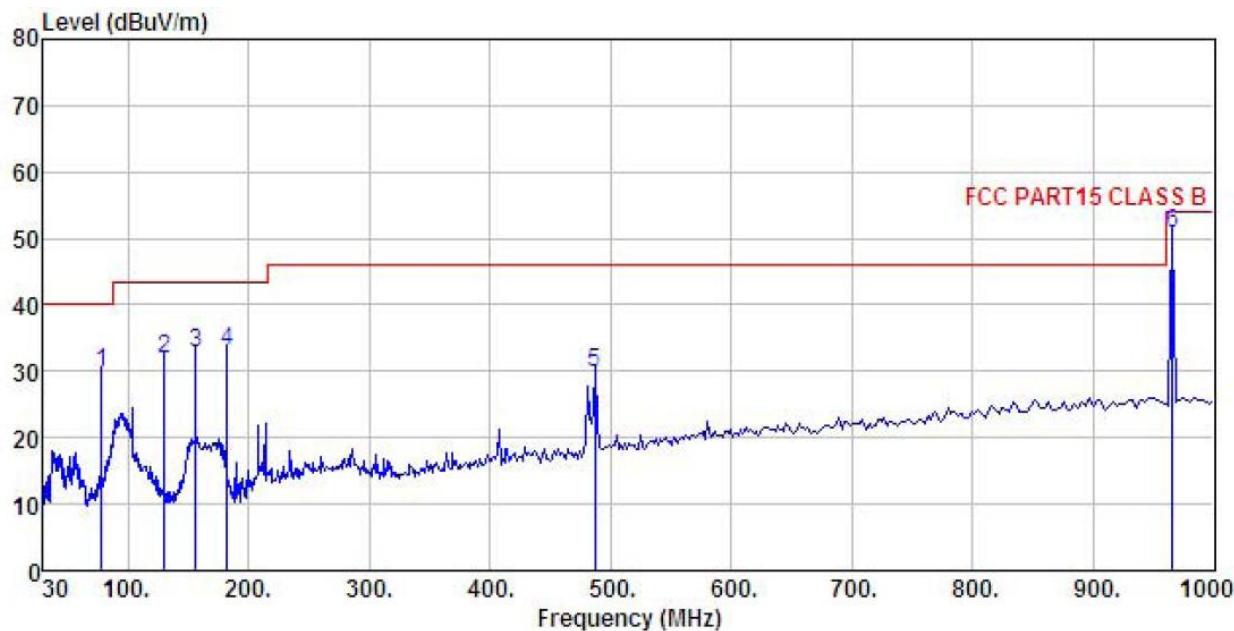
6.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205 and RSS-Gen section 4.9																									
Test Method:	ANSI C63.4:2003 / RSS-Gen section 4.9																									
Test Frequency Range:	9KHz to 25GHz / 30MHz to 40GHz																									
Test site:	Measurement Distance: 3m																									
Receiver setup:	<table border="1"> <thead> <tr> <th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr> <tr> <td>Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr> <tr> <td></td><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr> </tbody> </table>					Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value		Peak	1MHz	10Hz	Average Value	
Frequency	Detector	RBW	VBW	Remark																						
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value																						
Above 1GHz	Peak	1MHz	3MHz	Peak Value																						
	Peak	1MHz	10Hz	Average Value																						
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th><th>Limit (dBuV/m @3m)</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr> <tr> <td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr> <tr> <td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr> <tr> <td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr> <tr> <td>Above 1GHz</td><td>54.0</td><td>Average Value</td></tr> <tr> <td></td><td>74.0</td><td>Peak Value</td></tr> </tbody> </table>					Frequency	Limit (dBuV/m @3m)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value		74.0	Peak Value
Frequency	Limit (dBuV/m @3m)	Remark																								
30MHz-88MHz	40.0	Quasi-peak Value																								
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960MHz-1GHz	54.0	Quasi-peak Value																								
Above 1GHz	54.0	Average Value																								
	74.0	Peak Value																								
Test Procedure:	<ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 																									

Test setup:	<p>Below 1GHz</p> <p>Above 1GHz</p>
Test Instruments:	Refer to section 5.7for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	<ol style="list-style-type: none"> Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report. Four modulation mode have been tested, but only show the test data of the worst modulation, and we found that the worst modulation is 802.11b mode.

Below 1GHz

Horizontal :



Site : 3m chamber

Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL

EUT : DECT Phone

Model : Smart 63

Test mode : WIFI Mode

Power Rating : AC120V/60Hz

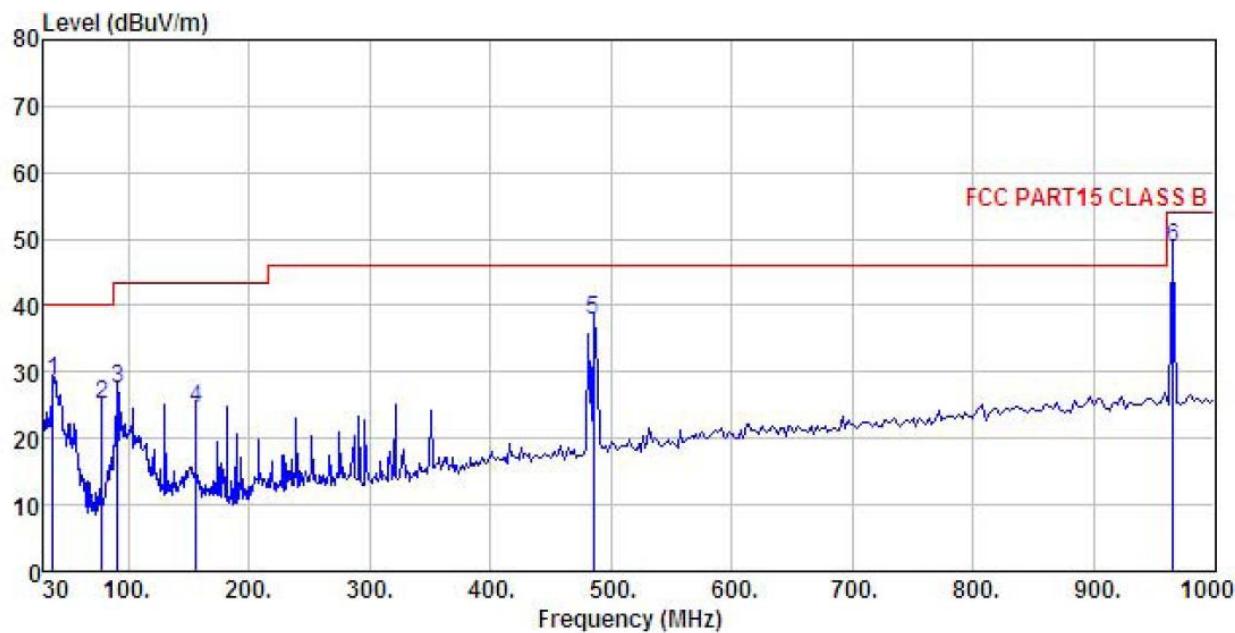
Environment : Temp:25.5°C Humi:55%

Test Engineer: A-bomb

REMARK :

	ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m		dB	dBuV/m	dBuV/m	dB
1	77.865	50.30	8.26	0.84	29.66	29.74	40.00 -10.26 QP
2	129.923	51.10	8.93	1.19	29.33	31.89	43.50 -11.61 QP
3	155.910	51.97	8.51	1.33	29.17	32.64	43.50 -10.86 QP
4	181.920	50.71	9.84	1.36	28.96	32.95	43.50 -10.55 QP
5	487.315	40.21	16.26	2.37	28.93	29.91	46.00 -16.09 QP
6	965.542	53.45	21.52	3.48	27.63	50.82	54.00 -3.18 QP

Vertical :



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL
EUT : DECT Phone
Model : Smart 63
Test mode : WIFI Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: A-bomb
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	37.945	44.87	13.06	0.50	29.92	28.51	40.00 -11.49 QP
2	77.865	45.56	8.26	0.84	29.66	25.00	40.00 -15.00 QP
3	90.855	43.99	12.07	0.91	29.57	27.40	43.50 -16.10 QP
4	155.910	43.98	8.51	1.33	29.17	24.65	43.50 -18.85 QP
5	485.609	48.14	16.26	2.36	28.93	37.83	46.00 -8.17 QP
6	965.542	51.37	21.52	3.48	27.63	48.74	54.00 -5.26 QP

Above 1GHz**802.11b:**

Test mode:			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	54.16	31.53	8.90	40.24	54.35	74.00	-19.65	Vertical
4824.00	56.43	31.53	8.90	40.24	56.62	74.00	-17.38	Horizontal

Test mode:			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	44.18	31.53	8.90	40.24	44.37	54.00	-9.63	Vertical
4824.00	46.58	31.53	8.90	40.24	46.77	54.00	-7.23	Horizontal

Test mode:			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	53.10	31.58	8.98	40.15	53.51	74.00	-20.49	Vertical
4874.00	55.38	31.58	8.98	40.15	55.79	74.00	-18.21	Horizontal

Test mode:			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	43.81	31.58	8.98	40.15	44.22	54.00	-9.78	Vertical
4874.00	45.96	31.58	8.98	40.15	46.37	54.00	-7.63	Horizontal

Test mode:			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	51.07	31.69	9.08	40.03	51.81	74.00	-22.19	Vertical
4924.00	50.67	31.69	9.08	40.03	51.41	74.00	-22.59	Horizontal

Test mode:			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	41.85	31.69	9.08	40.03	42.59	54.00	-11.41	Vertical
4924.00	40.92	31.69	9.08	40.03	41.66	54.00	-12.34	Horizontal

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. "--", means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11g:

Test mode:			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	46.93	31.53	8.90	40.24	47.12	74.00	-26.88	Vertical
4824.00	47.35	31.53	8.90	40.24	47.54	74.00	-26.46	Horizontal

Test mode:			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	37.33	31.53	8.90	40.24	37.52	54.00	-16.48	Vertical
4824.00	37.58	31.53	8.90	40.24	37.77	54.00	-16.23	Horizontal

Test mode:			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	48.41	31.58	8.98	40.15	48.82	74.00	-25.18	Vertical
4874.00	48.69	31.58	8.98	40.15	49.10	74.00	-24.90	Horizontal

Test mode:			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	39.10	31.58	8.98	40.15	39.51	54.00	-14.49	Vertical
4874.00	39.89	31.58	8.98	40.15	40.30	54.00	-13.70	Horizontal

Test mode:			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	47.59	31.69	9.08	40.03	48.33	74.00	-25.67	Vertical
4924.00	47.48	31.69	9.08	40.03	48.22	74.00	-25.78	Horizontal

Test mode:			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	38.94	31.69	9.08	40.03	39.68	54.00	-14.32	Vertical
4924.00	39.42	31.69	9.08	40.03	40.16	54.00	-13.84	Horizontal

Remark:

4. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
5. “–”, means this data is the too weak instrument of signal is unable to test.
6. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n20:

Test mode:			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	52.85	31.53	8.90	40.24	53.04	74.00	-20.96	Vertical
4824.00	51.24	31.53	8.90	40.24	51.43	74.00	-22.57	Horizontal

Test mode:			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	42.14	31.53	8.90	40.24	42.33	54.00	-11.67	Vertical
4824.00	42.33	31.53	8.90	40.24	42.52	54.00	-11.48	Horizontal

Test mode:			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	49.07	31.58	8.98	40.15	49.48	74.00	-24.52	Vertical
4874.00	49.85	31.58	8.98	40.15	50.26	74.00	-23.74	Horizontal

Test mode:			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	40.63	31.58	8.98	40.15	41.04	54.00	-12.96	Vertical
4874.00	40.66	31.58	8.98	40.15	41.07	54.00	-12.93	Horizontal

Test mode:			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	47.54	31.69	9.08	40.03	48.28	74.00	-25.72	Vertical
4924.00	49.98	31.69	9.08	40.03	50.72	74.00	-23.28	Horizontal

Test mode:			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	39.39	31.69	9.08	40.03	40.13	54.00	-13.87	Vertical
4924.00	39.91	31.69	9.08	40.03	40.65	54.00	-13.35	Horizontal

Remark:

7. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
8. “–”, means this data is the too weak instrument of signal is unable to test.
9. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n40:

Test mode:			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	47.31	31.53	8.90	40.24	47.50	74.00	-26.50	Vertical
4844.00	47.85	31.53	8.90	40.24	48.04	74.00	-25.96	Horizontal

Test mode:			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	39.79	31.53	8.90	40.24	39.98	54.00	-14.02	Vertical
4844.00	38.58	31.53	8.90	40.24	38.77	54.00	-15.23	Horizontal

Test mode:			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	47.08	31.58	8.98	40.15	47.49	74.00	-26.51	Vertical
4874.00	46.62	31.58	8.98	40.15	47.03	74.00	-26.97	Horizontal

Test mode:			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	37.78	31.58	8.98	40.15	38.19	54.00	-15.81	Vertical
4874.00	37.81	31.58	8.98	40.15	38.22	54.00	-15.78	Horizontal

Test mode:			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	47.63	31.69	9.08	40.03	48.37	74.00	-25.63	Vertical
4904.00	45.94	31.69	9.08	40.03	46.68	74.00	-27.32	Horizontal

Test mode:			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	38.70	31.69	9.08	40.03	39.44	54.00	-14.56	Vertical
4904.00	36.57	31.69	9.08	40.03	37.31	54.00	-16.69	Horizontal

Remark:

10. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
11. “–”, means this data is the too weak instrument of signal is unable to test.
12. The emission levels of other frequencies are very lower than the limit and not show in test report.