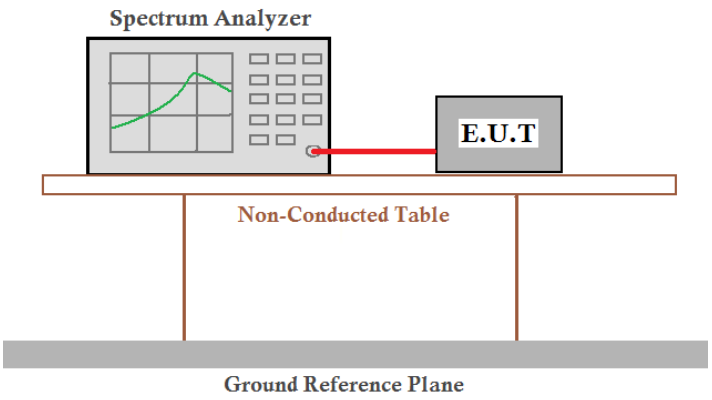
6.7 Spurious Emission

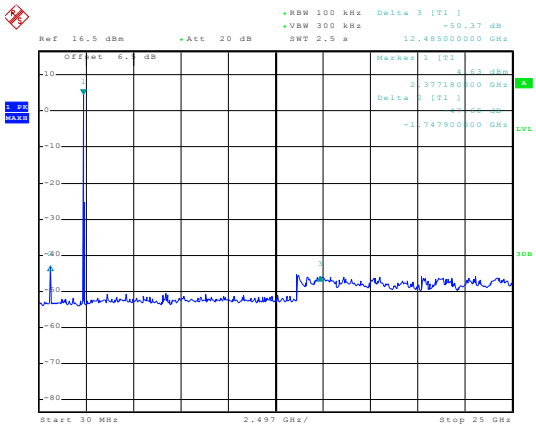
6.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
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 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

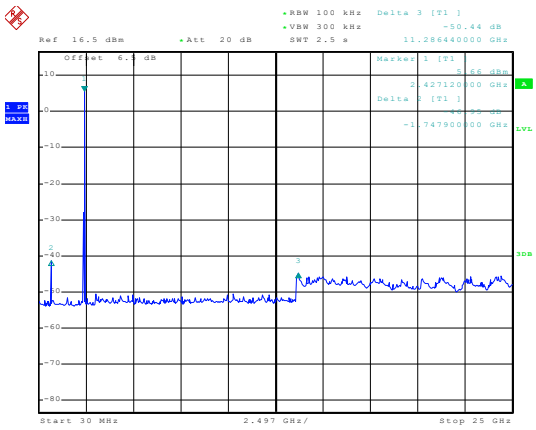
Test mode:	802.11b

Lowest channel



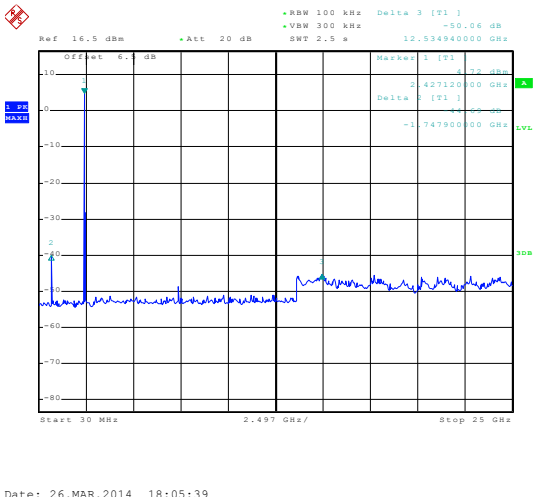
30MHz~25GHz

Middle channel



30MHz~25GHz

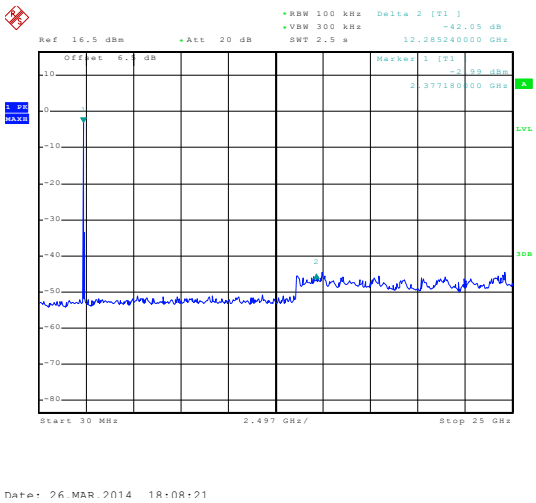
Highest channel



30MHz~25GHz

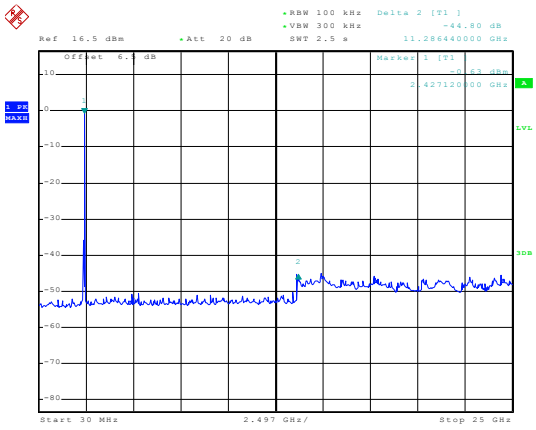
Test mode:	802.11g

Lowest channel



30MHz~25GHz

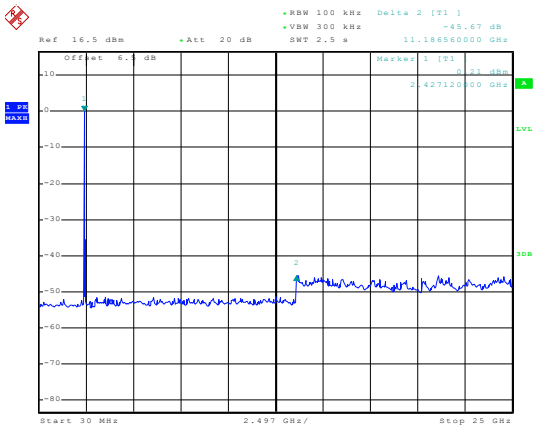
Middle channel



Date: 26.MAR.2014 18:07:02

30MHz~25GHz

Highest channel

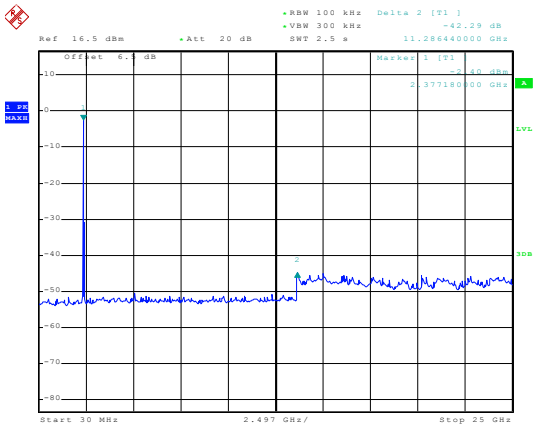


Date: 26.MAR.2014 18:06:24

30MHz~25GHz

Test mode:	802.11n(H20)

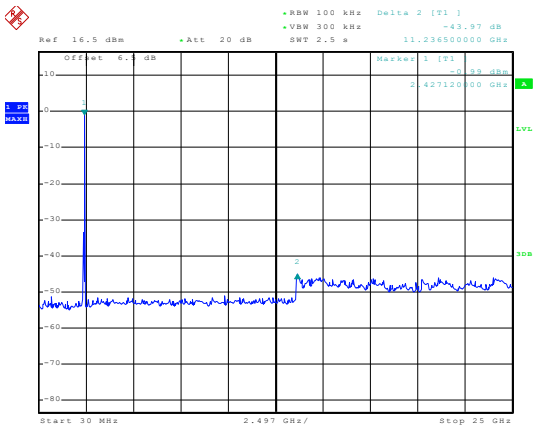
Lowest channel



Date: 26.MAR.2014 18:10:00

30MHz~25GHz

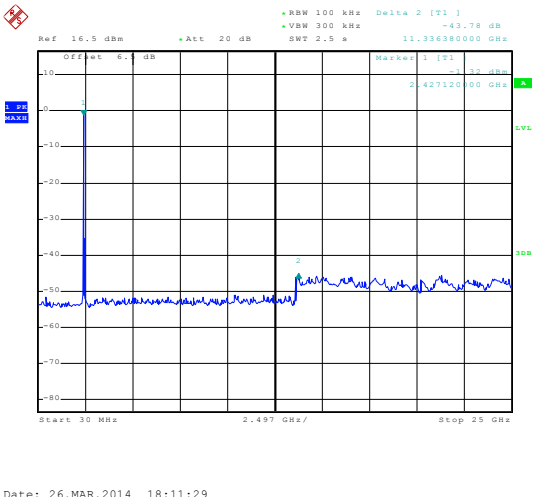
Middle channel



Date: 26.MAR.2014 18:10:44

30MHz~25GHz

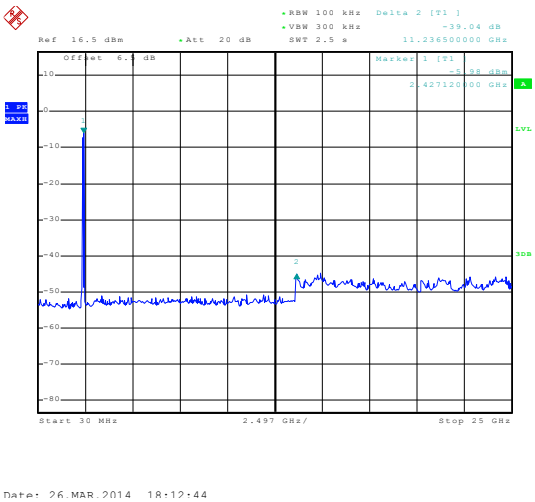
Highest channel



30MHz~25GHz

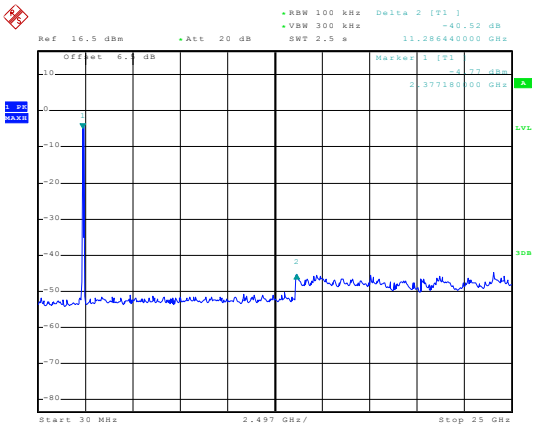
Test mode:	802.11n(H40)

Lowest channel



30MHz~25GHz

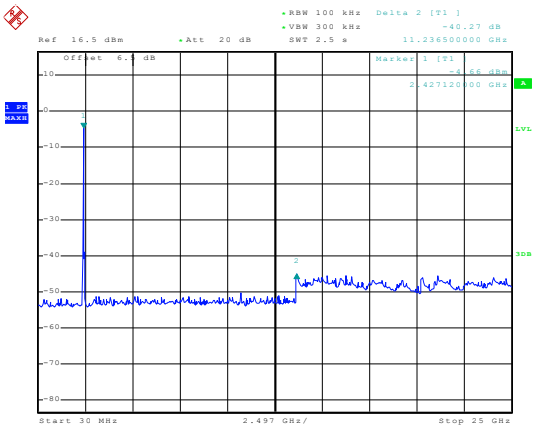
Middle channel



Date: 26.MAR.2014 18:14:01

30MHz~25GHz

Highest channel

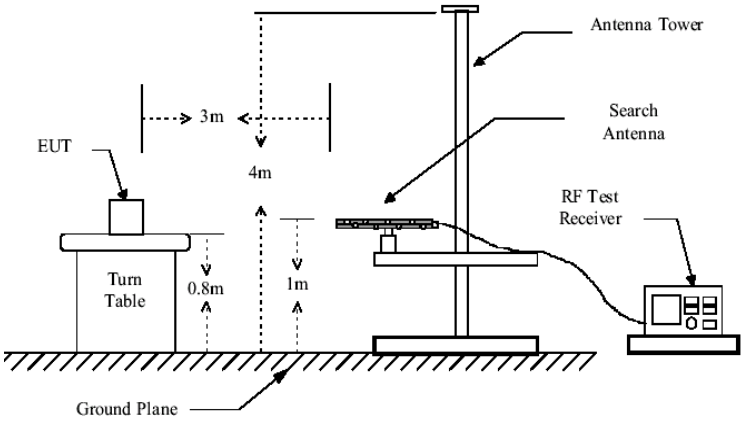
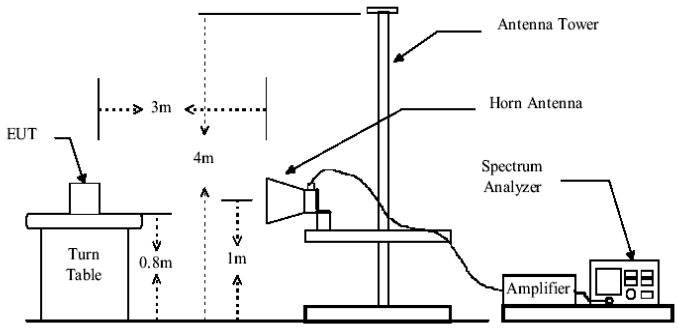


Date: 26.MAR.2014 18:15:41

30MHz~25GHz

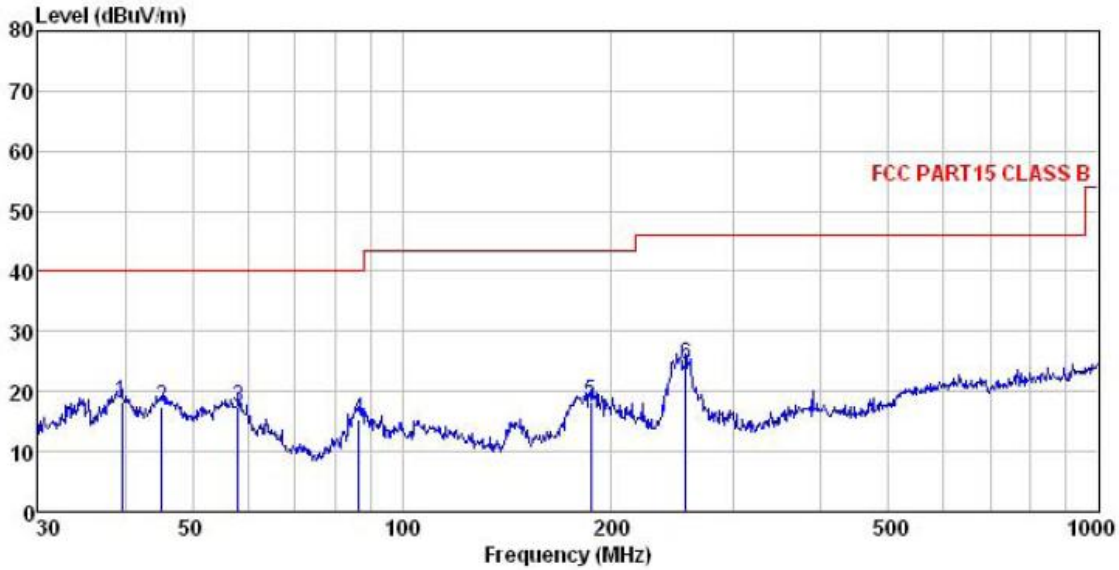
6.7.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4:2003</td></tr>
<tr><td>Test Frequency Range:</td><td>9KHz to 25GHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><th>Frequency</th><th>Limit (dBuV/m @3m)</th><th>Remark</th></tr>
<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 rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>74.0</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Test Procedure:</td><td>
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.
</td></tr>
</table>

Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 5.6for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

Below 1GHz

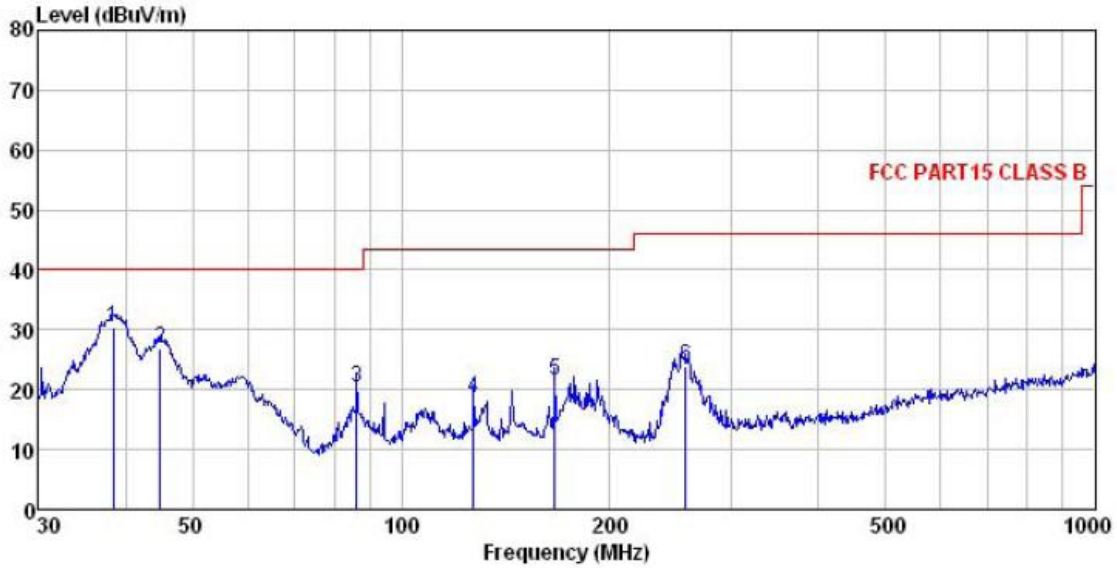
Horizontal：



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL
EUT : Mobile Phone
Model : KL35
Test mode : WIFI MODE
Power Rating : AC120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Garen
REMARK :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	39.576	30.74	13.49	1.21	27.21	18.23	40.00	-21.77	QP
2	45.217	30.30	13.54	1.29	27.83	17.30	40.00	-22.70	QP
3	58.203	32.37	12.81	1.37	29.05	17.50	40.00	-22.50	QP
4	86.807	32.66	10.89	1.91	30.09	15.37	40.00	-24.63	QP
5	186.441	34.05	10.24	2.77	28.81	18.25	43.50	-25.25	QP
6	255.623	39.06	12.06	2.82	29.58	24.36	46.00	-21.64	QP

Vertical:



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL
EUT : Mobile Phone
Model : KL35
Test mode : WIFI MODE
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen
REMARK :

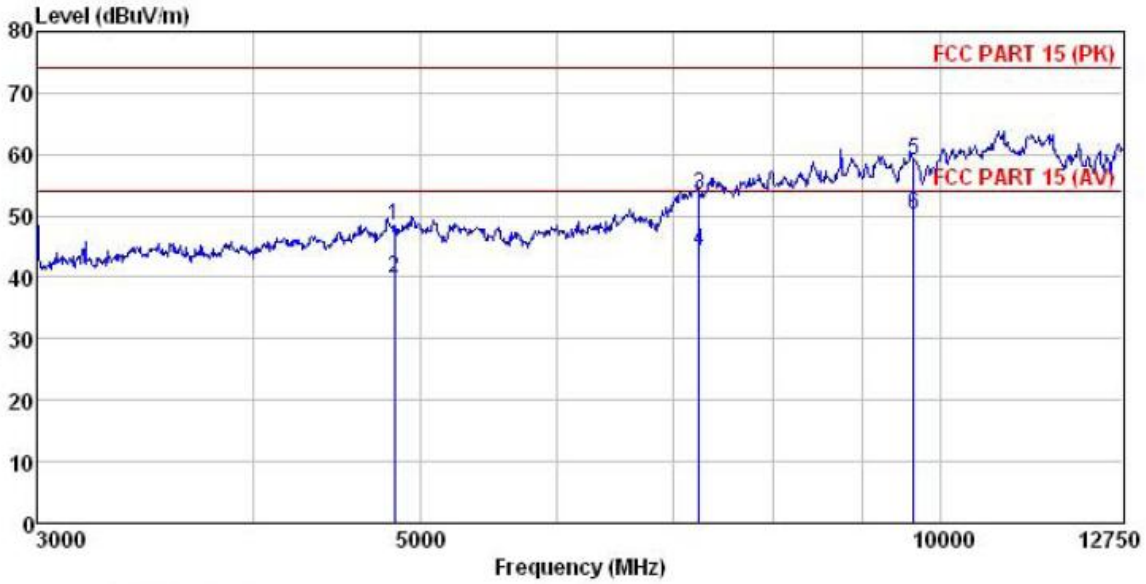
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	38.481	43.27	13.20	1.18	27.12	30.53	40.00	-9.47	QP
2	44.901	39.94	13.55	1.28	27.79	26.98	40.00	-13.02	QP
3	86.200	37.91	10.74	1.91	30.09	20.47	40.00	-19.53	QP
4	127.218	36.73	9.32	2.25	29.58	18.72	43.50	-24.78	QP
5	166.651	39.32	8.87	2.64	29.17	21.66	43.50	-21.84	QP
6	257.422	38.63	12.06	2.83	29.57	23.95	46.00	-22.05	QP

Above 1GHz

Test mode: 802.11b

Test channel: Lowest

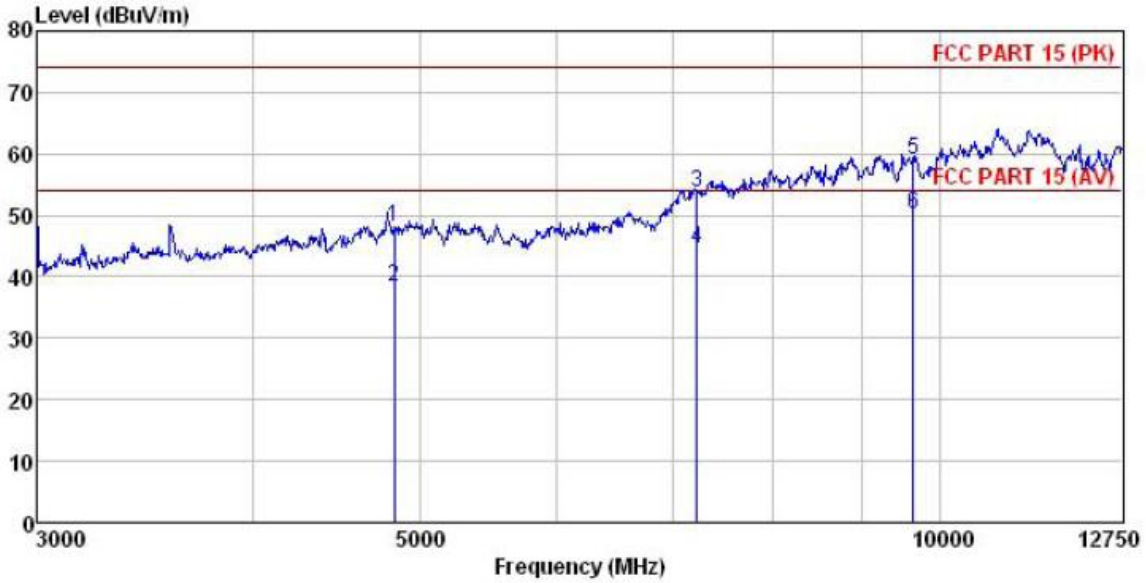
Vertical:




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT           : Mobile phone
Model         : KL35
Test mode     : WIFI mode   B-L
Power Rating  : AC120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Garen
```

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4829.044	48.21	31.55	8.92	40.22	48.46	74.00	-25.54	Peak
2	4829.044	39.67	31.55	8.92	40.22	39.92	54.00	-14.08	Average
3	7241.193	47.51	36.50	10.62	41.22	53.41	74.00	-20.59	Peak
4	7241.193	38.26	36.50	10.62	41.22	44.16	54.00	-9.84	Average
5	9643.421	49.23	38.14	13.20	41.47	59.10	74.00	-14.90	Peak
6	9643.421	40.24	38.14	13.20	41.47	50.11	54.00	-3.89	Average

Horizontal:

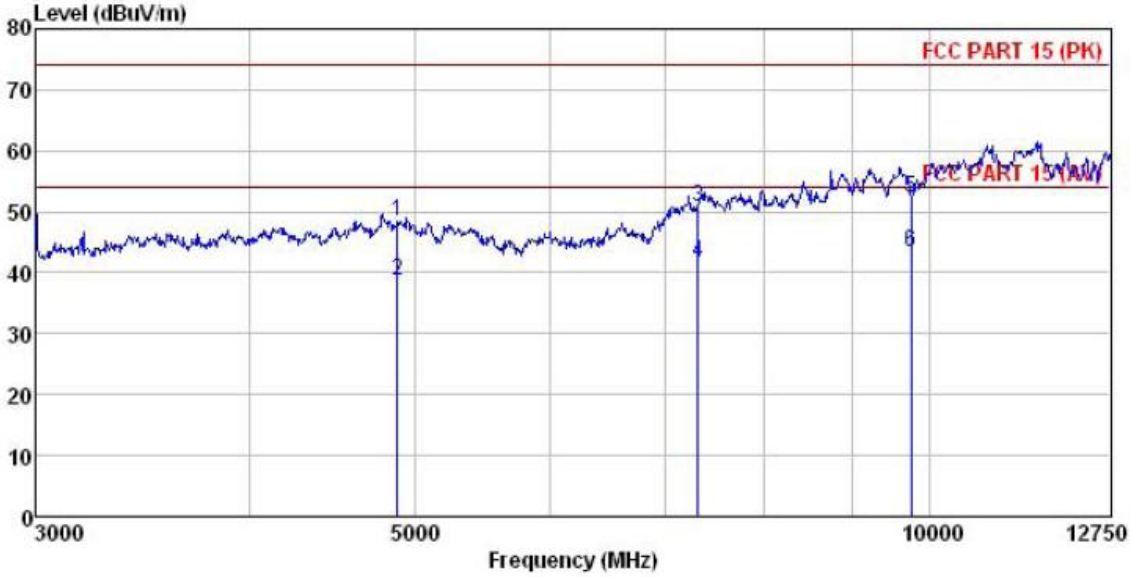


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode B-L
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4829.044	47.84	31.55	8.92	40.22	48.09	74.00	-25.91	Peak
2	4829.044	38.24	31.55	8.92	40.22	38.49	54.00	-15.51	Average
3	7230.723	47.91	36.49	10.62	41.22	53.80	74.00	-20.20	Peak
4	7230.723	38.67	36.49	10.62	41.22	44.56	54.00	-9.44	Average
5	9643.421	49.17	38.14	13.20	41.47	59.04	74.00	-14.96	Peak
6	9643.421	40.24	38.14	13.20	41.47	50.11	54.00	-3.89	Average

Test channel: Middle

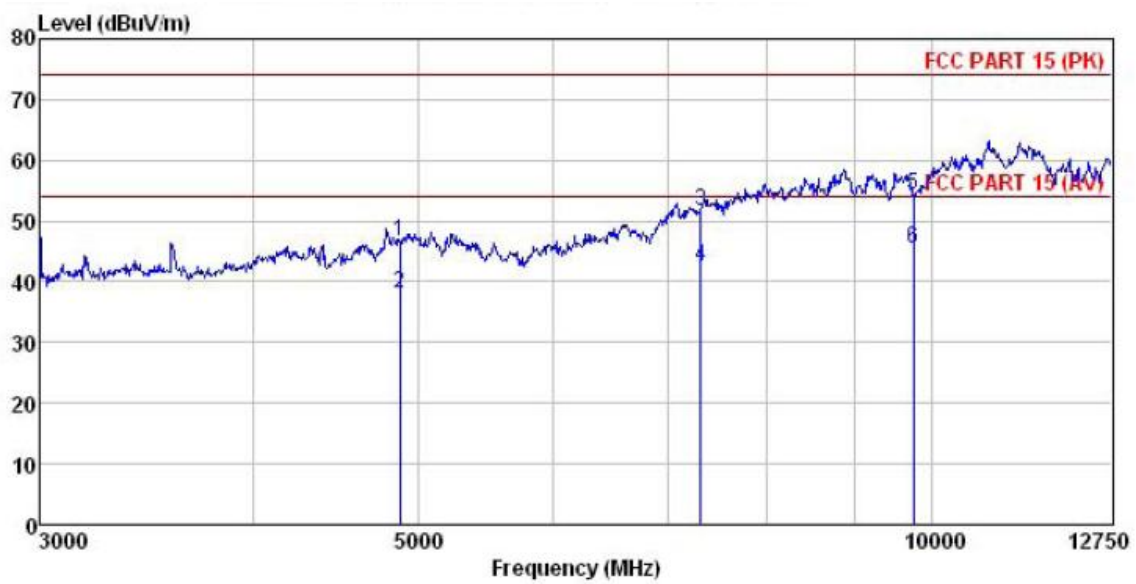
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode B-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4878.204	47.88	31.57	8.98	40.15	48.28	74.00	-25.72	Peak
2	4878.204	38.37	31.57	8.98	40.15	38.77	54.00	-15.23	Average
3	7314.907	44.75	36.48	10.68	41.16	50.75	74.00	-23.25	Peak
4	7314.907	35.63	36.48	10.68	41.16	41.63	54.00	-12.37	Average
5	9755.695	42.23	38.45	13.35	41.68	52.35	74.00	-21.65	Peak
6	9755.695	33.23	38.45	13.35	41.68	43.35	54.00	-10.65	Average

Horizontal:

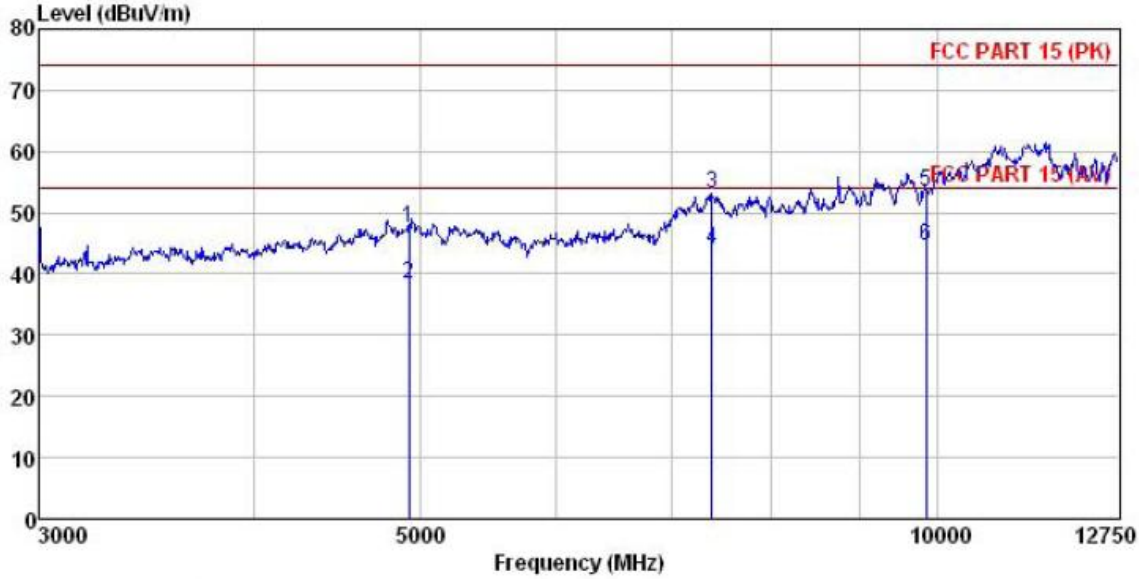


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode B-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Garen

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4871.150	46.21	31.57	8.98	40.15	46.61	74.00	-27.39	Peak
2	4871.150	37.56	31.57	8.98	40.15	37.96	54.00	-16.04	Average
3	7314.907	45.77	36.48	10.68	41.16	51.77	74.00	-22.23	Peak
4	7314.907	36.63	36.48	10.68	41.16	42.63	54.00	-11.37	Average
5	9755.695	44.05	38.45	13.35	41.68	54.17	74.00	-19.83	Peak
6	9755.695	35.25	38.45	13.35	41.68	45.37	54.00	-8.63	Average

Test channel: Highest

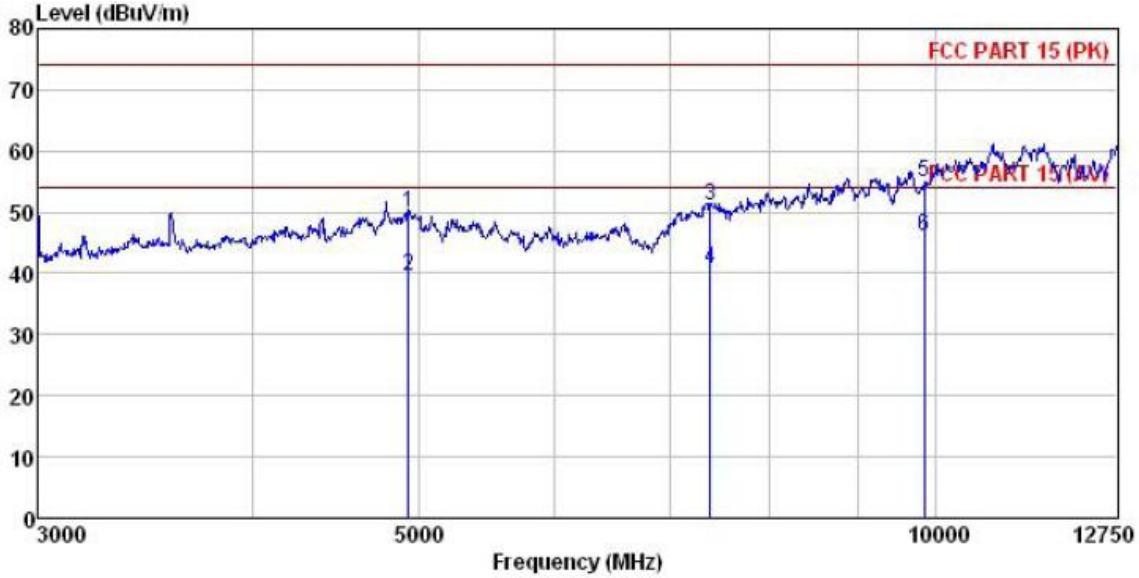
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode B-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4920.738	46.93	31.61	9.04	40.08	47.50	74.00	-26.50	Peak
2	4920.738	37.86	31.61	9.04	40.08	38.43	54.00	-15.57	Average
3	7389.373	46.99	36.52	10.75	41.09	53.17	74.00	-20.83	Peak
4	7389.373	37.84	36.52	10.75	41.09	44.02	54.00	-9.98	Average
5	9840.759	43.08	38.70	13.45	41.83	53.40	74.00	-20.60	Peak
6	9840.759	34.14	38.70	13.45	41.83	44.46	54.00	-9.54	Average

Horizontal:



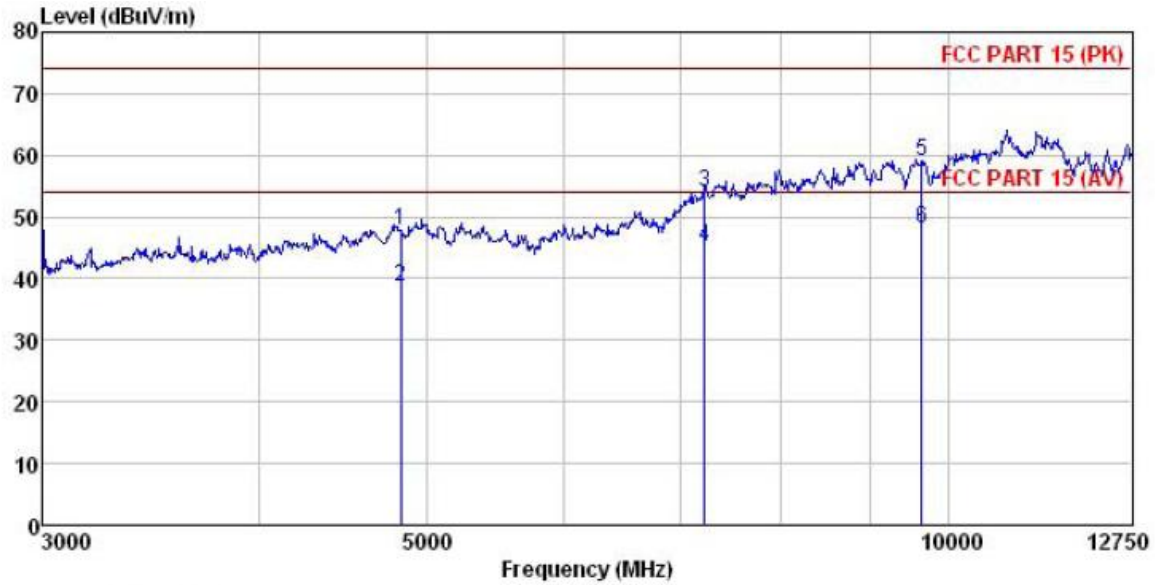
Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode B-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4927.863	49.35	31.61	9.04	40.08	49.92	74.00	-24.08	Peak
2	4927.863	38.90	31.61	9.04	40.08	39.47	54.00	-14.53	Average
3	7389.373	44.74	36.52	10.75	41.09	50.92	74.00	-23.08	Peak
4	7389.373	34.68	36.52	10.75	41.09	40.86	54.00	-13.14	Average
5	9840.759	44.60	38.70	13.45	41.83	54.92	74.00	-19.08	Peak
6	9840.759	35.60	38.70	13.45	41.83	45.92	54.00	-8.08	Average

Test mode: 802.11g

Test channel: Lowest

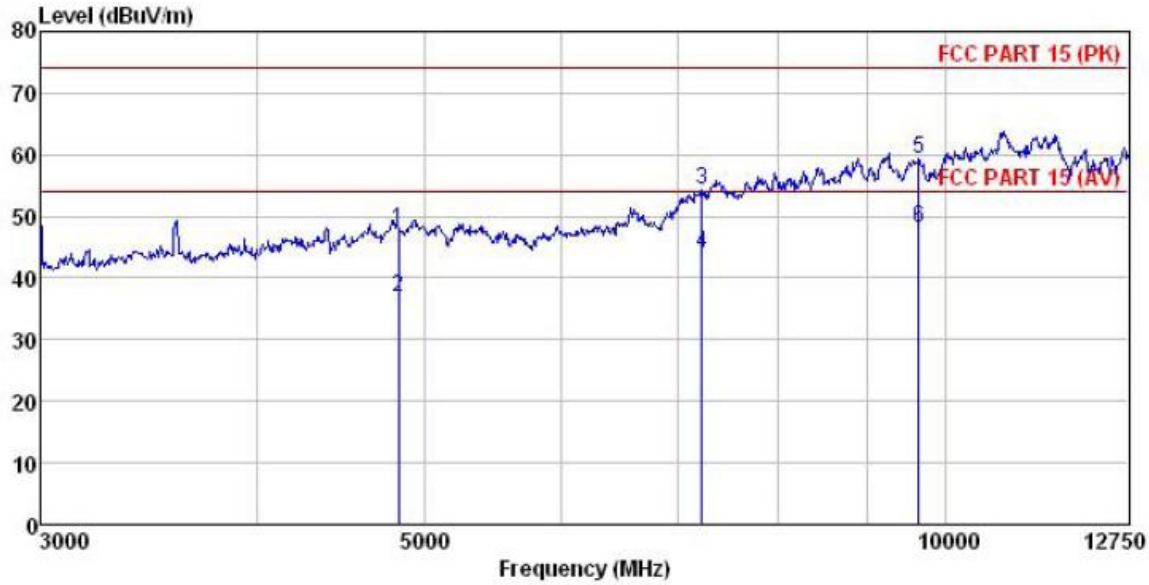
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode G-L
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4829.044	47.62	31.55	8.92	40.22	47.87	74.00	-26.13	Peak
2	4829.044	38.35	31.55	8.92	40.22	38.60	54.00	-15.40	Average
3	7230.723	48.06	36.49	10.62	41.22	53.95	74.00	-20.05	Peak
4	7230.723	39.28	36.49	10.62	41.22	45.17	54.00	-8.83	Average
5	9643.421	49.20	38.14	13.20	41.47	59.07	74.00	-14.93	Peak
6	9643.421	38.28	38.14	13.20	41.47	48.15	54.00	-5.85	Average

Horizontal:

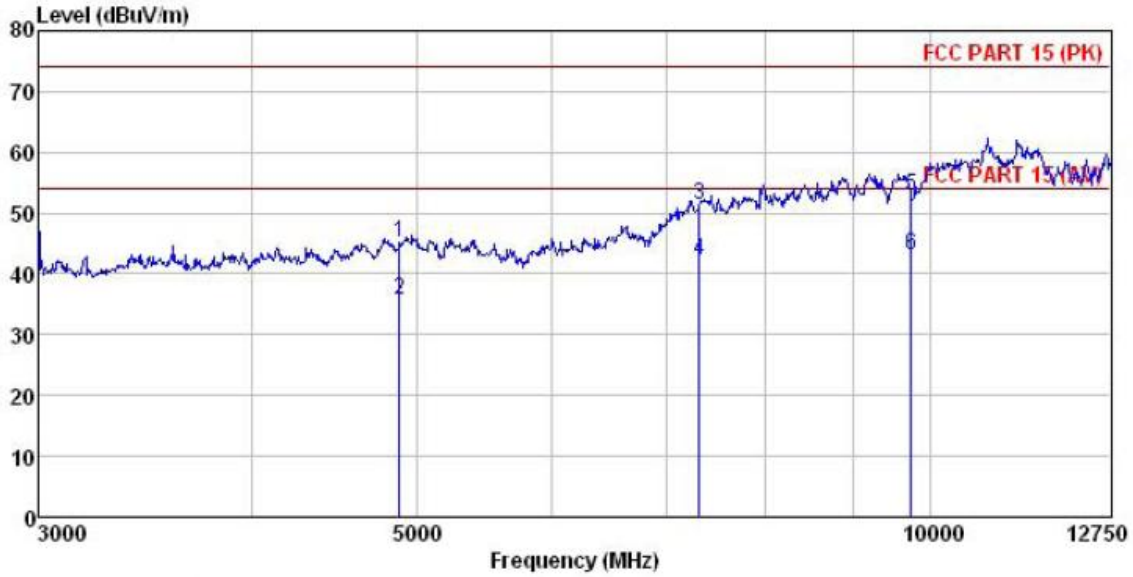


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode G-L
Power Rating : AC120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4829.044	47.54	31.55	8.92	40.22	47.79	74.00	-26.21	Peak
2	4829.044	36.54	31.55	8.92	40.22	36.79	54.00	-17.21	Average
3	7230.723	48.38	36.49	10.62	41.22	54.27	74.00	-19.73	Peak
4	7230.723	37.98	36.49	10.62	41.22	43.87	54.00	-10.13	Average
5	9643.421	49.57	38.14	13.20	41.47	59.44	74.00	-14.56	Peak
6	9643.421	38.25	38.14	13.20	41.47	48.12	54.00	-5.88	Average

Test channel: Middle

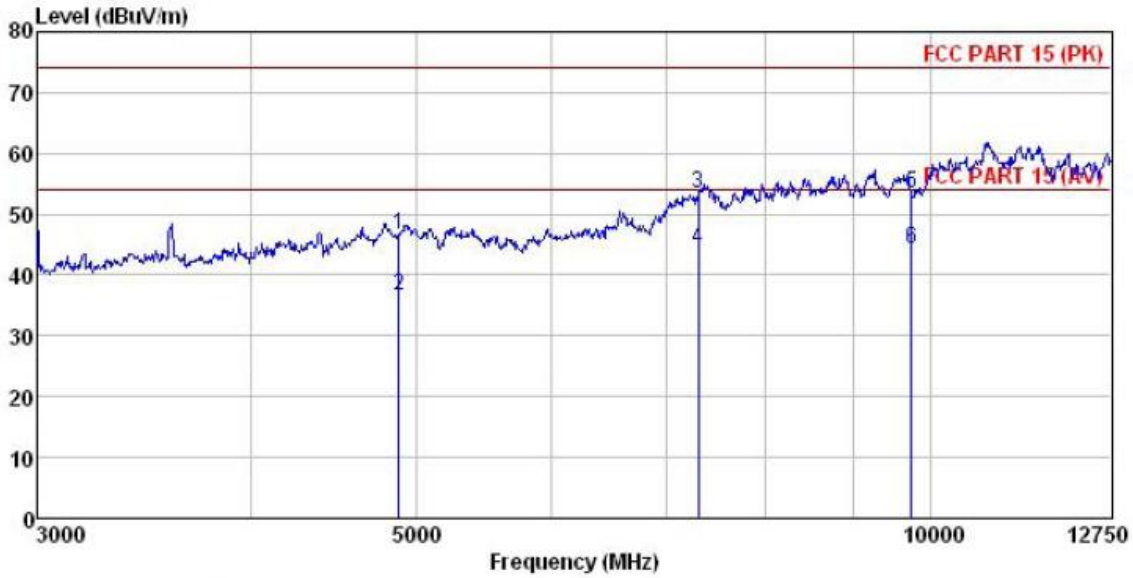
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode G-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4878.204	44.91	31.57	8.98	40.15	45.31	74.00	-28.69	Peak
2	4878.204	35.21	31.57	8.98	40.15	35.61	54.00	-18.39	Average
3	7314.907	45.35	36.48	10.68	41.16	51.35	74.00	-22.65	Peak
4	7314.907	36.25	36.48	10.68	41.16	42.25	54.00	-11.75	Average
5	9741.590	42.68	38.40	13.32	41.65	52.75	74.00	-21.25	Peak
6	9741.590	33.16	38.40	13.32	41.65	43.23	54.00	-10.77	Average

Horizontal:

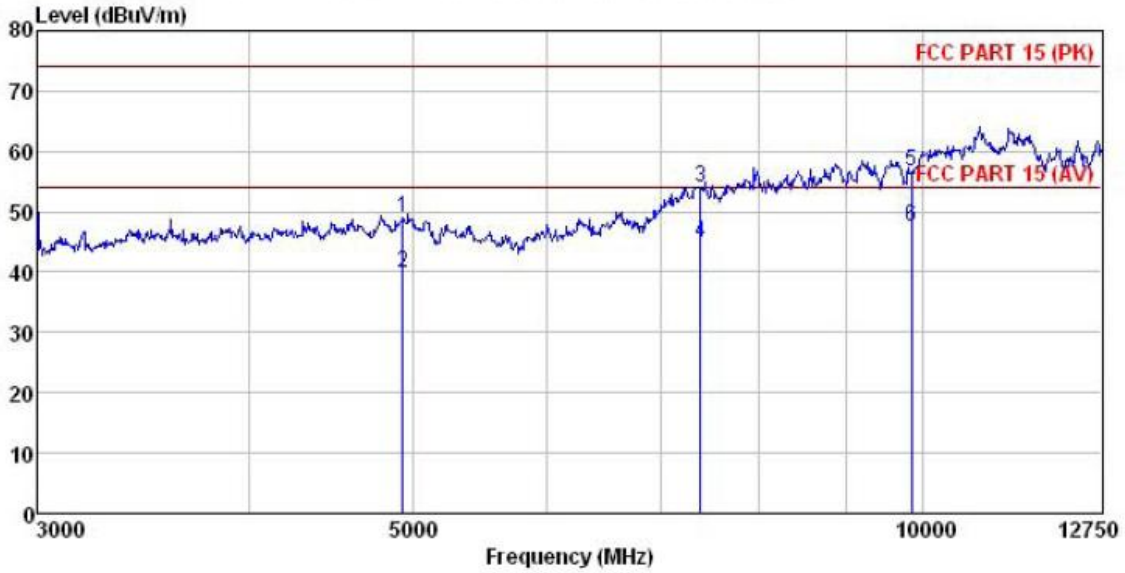


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode G-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4878.204	46.13	31.57	8.98	40.15	46.53	74.00	-27.47	Peak
2	4878.204	36.25	31.57	8.98	40.15	36.65	54.00	-17.35	Average
3	7304.331	47.44	36.48	10.68	41.16	53.44	74.00	-20.56	Peak
4	7304.331	38.29	36.48	10.68	41.16	44.29	54.00	-9.71	Average
5	9741.590	43.39	38.40	13.32	41.65	53.46	74.00	-20.54	Peak
6	9741.590	34.25	38.40	13.32	41.65	44.32	54.00	-9.68	Average

Test channel: Highest

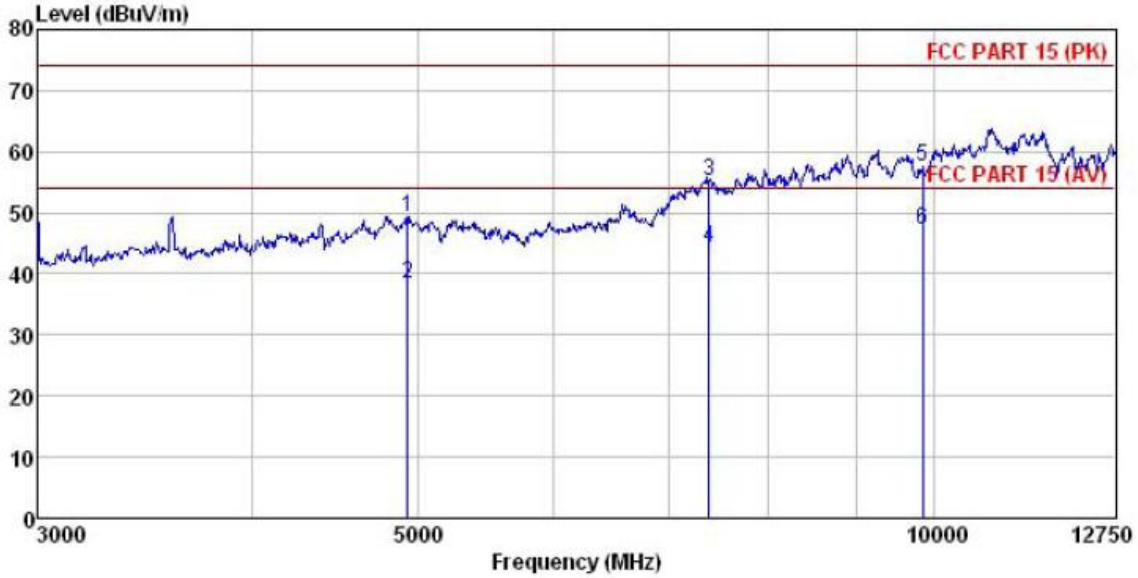
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode G-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4927.863	48.36	31.61	9.04	40.08	48.93	74.00	-25.07	Peak
2	4927.863	39.27	31.61	9.04	40.08	39.84	54.00	-14.16	Average
3	7389.373	47.76	36.52	10.75	41.09	53.94	74.00	-20.06	Peak
4	7389.373	38.64	36.52	10.75	41.09	44.82	54.00	-9.18	Average
5	9840.759	46.32	38.70	13.45	41.83	56.64	74.00	-17.36	Peak
6	9840.759	37.33	38.70	13.45	41.83	47.65	54.00	-6.35	Average

Horizontal:



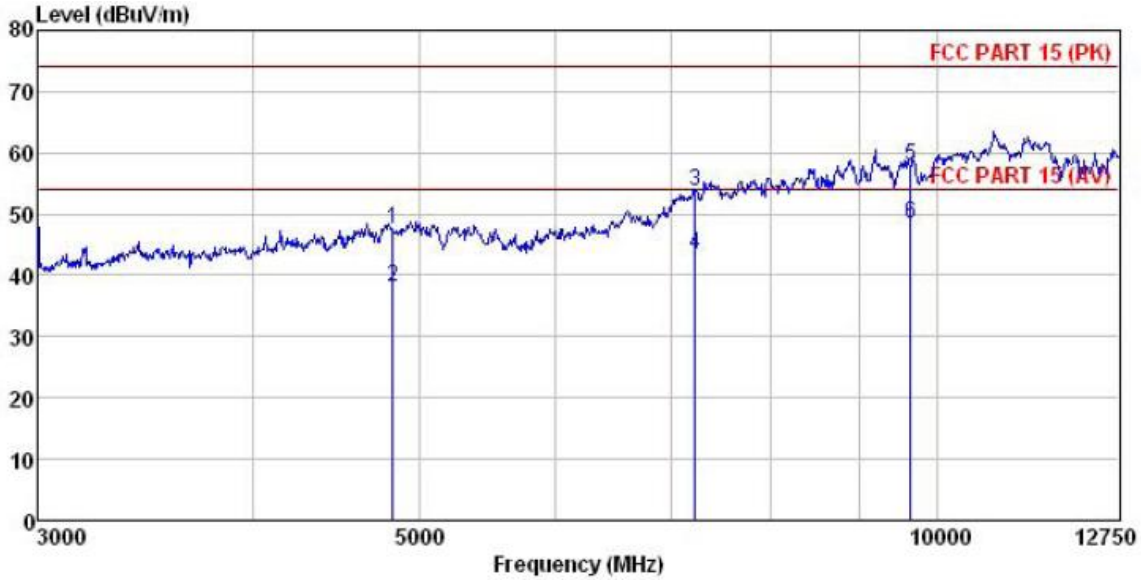
Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode G-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4927.863	48.64	31.61	9.04	40.08	49.21	74.00	-24.79	Peak
2	4927.863	37.85	31.61	9.04	40.08	38.42	54.00	-15.58	Average
3	7389.373	49.09	36.52	10.75	41.09	55.27	74.00	-18.73	Peak
4	7389.373	38.24	36.52	10.75	41.09	44.42	54.00	-9.58	Average
5	9840.759	47.11	38.70	13.45	41.83	57.43	74.00	-16.57	Peak
6	9840.759	36.86	38.70	13.45	41.83	47.18	54.00	-6.82	Average

Test mode: 802.11n(H20)

Test channel: Lowest

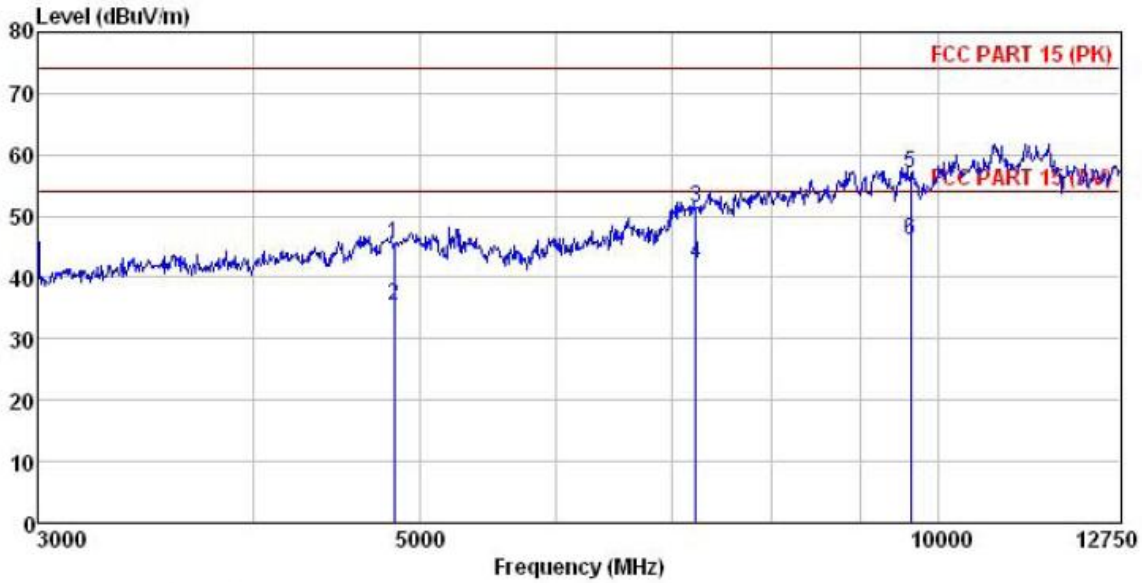
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N20-L
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4822.063	47.34	31.54	8.92	40.22	47.58	74.00	-26.42	Peak
2	4822.063	37.85	31.54	8.92	40.22	38.09	54.00	-15.91	Average
3	7230.723	47.76	36.49	10.62	41.22	53.65	74.00	-20.35	Peak
4	7230.723	37.56	36.49	10.62	41.22	43.45	54.00	-10.55	Average
5	9643.421	48.06	38.14	13.20	41.47	57.93	74.00	-16.07	Peak
6	9643.421	38.43	38.14	13.20	41.47	48.30	54.00	-5.70	Average

Horizontal:

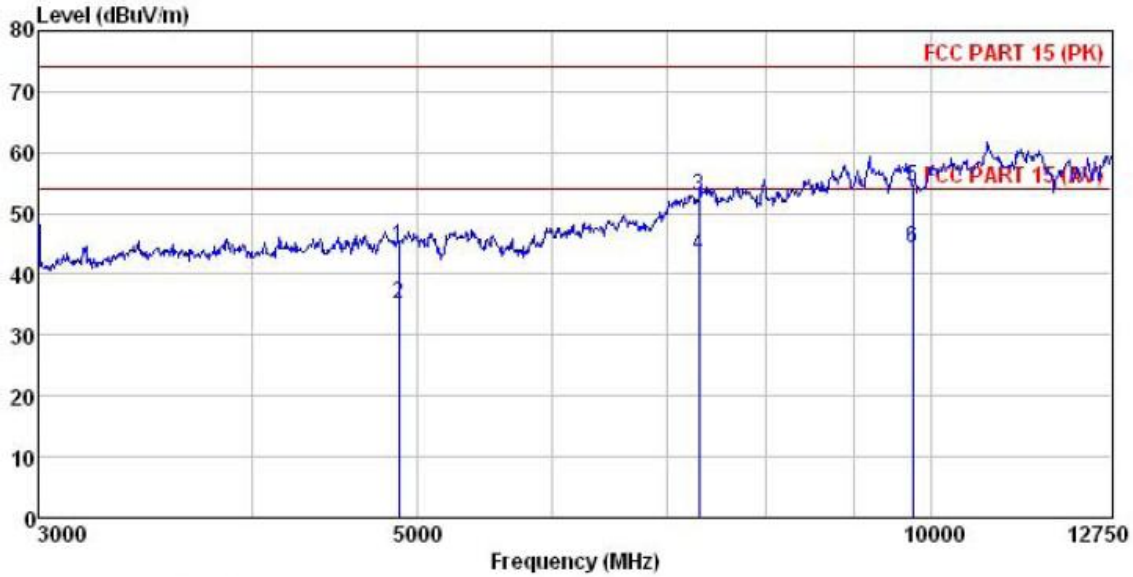


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N20-L
Power Rating : AC120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Garen

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4829.044	45.06	31.55	8.92	40.22	45.31	74.00	-28.69	Peak
2	4829.044	35.25	31.55	8.92	40.22	35.50	54.00	-18.50	Average
3	7230.723	45.52	36.49	10.62	41.22	51.41	74.00	-22.59	Peak
4	7230.723	36.24	36.49	10.62	41.22	42.13	54.00	-11.87	Average
5	9629.478	47.25	38.12	13.20	41.47	57.10	74.00	-16.90	Peak
6	9629.478	36.28	38.12	13.20	41.47	46.13	54.00	-7.87	Average

Test channel: Middle

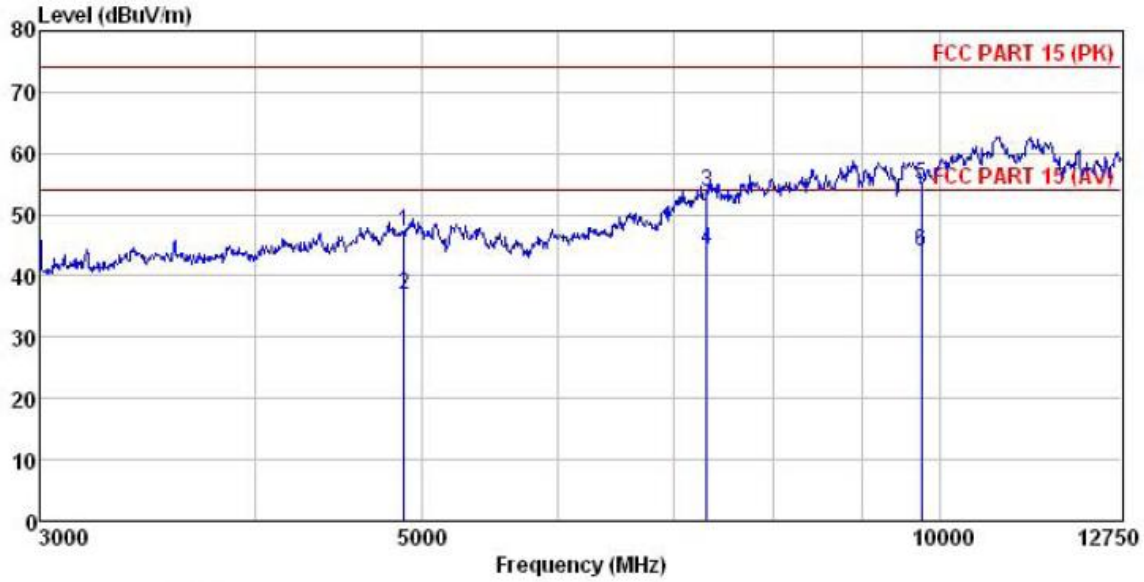
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N20-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4871.150	44.22	31.57	8.98	40.15	44.62	74.00	-29.38	Peak
2	4871.150	34.59	31.57	8.98	40.15	34.99	54.00	-19.01	Average
3	7304.331	46.99	36.48	10.68	41.16	52.99	74.00	-21.01	Peak
4	7304.331	36.97	36.48	10.68	41.16	42.97	54.00	-11.03	Average
5	9755.695	44.29	38.45	13.35	41.68	54.41	74.00	-19.59	Peak
6	9755.695	34.27	38.45	13.35	41.68	44.39	54.00	-9.61	Average

Horizontal:

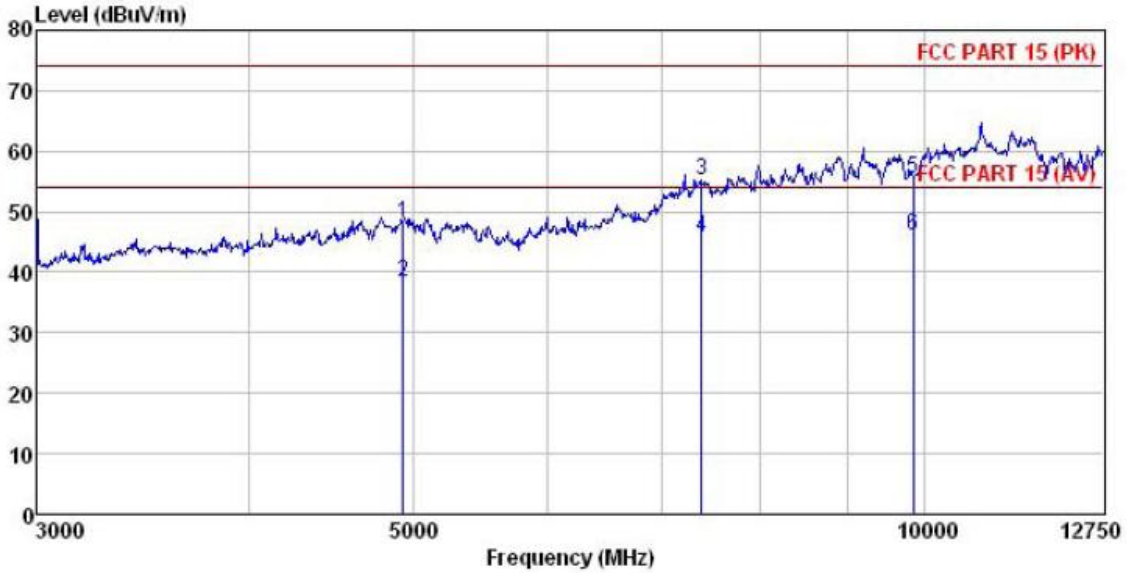


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N20-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4878.204	46.83	31.57	8.98	40.15	47.23	74.00	-26.77	Peak
2	4878.204	36.59	31.57	8.98	40.15	36.99	54.00	-17.01	Average
3	7314.907	47.63	36.48	10.68	41.16	53.63	74.00	-20.37	Peak
4	7314.907	38.27	36.48	10.68	41.16	44.27	54.00	-9.73	Average
5	9755.695	44.79	38.45	13.35	41.68	54.91	74.00	-19.09	Peak
6	9755.695	33.86	38.45	13.35	41.68	43.98	54.00	-10.02	Average

Test channel: Highest

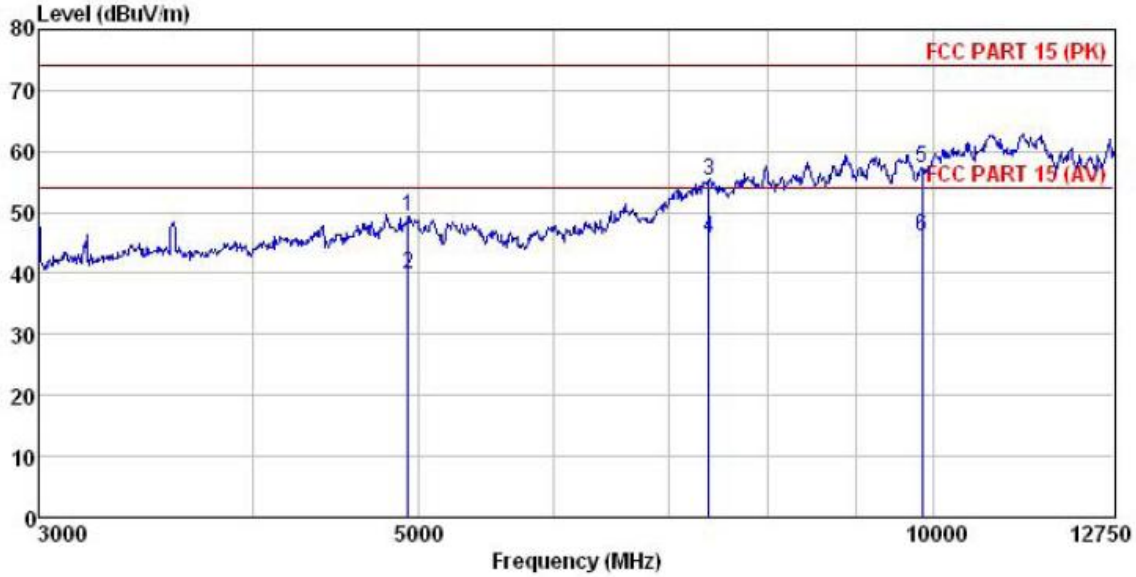
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N20-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4927.863	47.60	31.61	9.04	40.08	48.17	74.00	-25.83	Peak
2	4927.863	37.90	31.61	9.04	40.08	38.47	54.00	-15.53	Average
3	7389.373	49.12	36.52	10.75	41.09	55.30	74.00	-18.70	Peak
4	7389.373	39.55	36.52	10.75	41.09	45.73	54.00	-8.27	Average
5	9840.759	45.29	38.70	13.45	41.83	55.61	74.00	-18.39	Peak
6	9840.759	35.66	38.70	13.45	41.83	45.98	54.00	-8.02	Average

Horizontal:



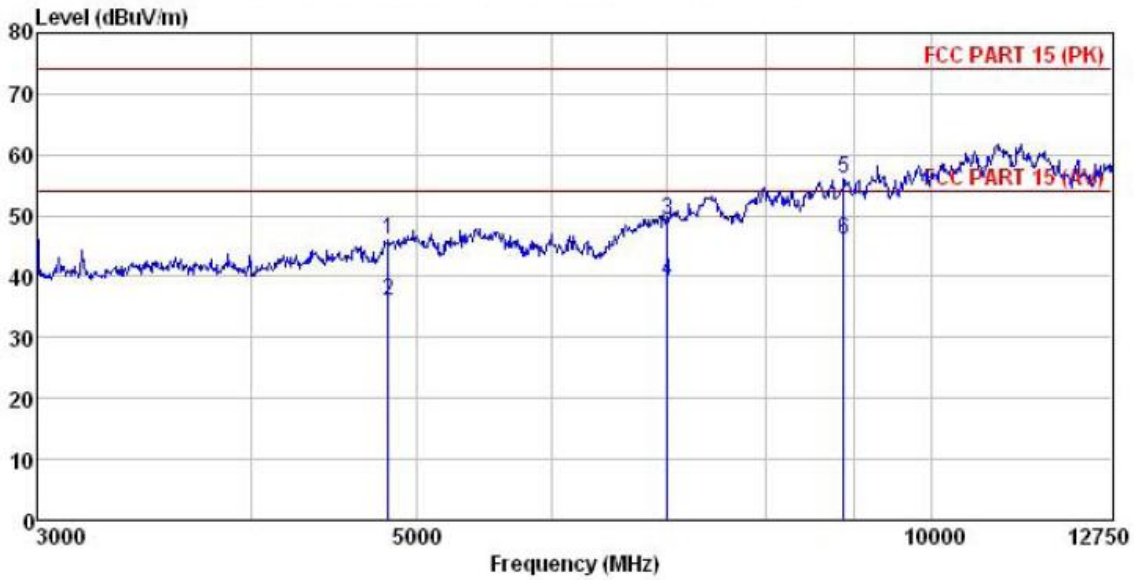
Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N20-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4927.863	48.77	31.61	9.04	40.08	49.34	74.00	-24.66	Peak
2	4927.863	39.29	31.61	9.04	40.08	39.86	54.00	-14.14	Average
3	7389.373	48.98	36.52	10.75	41.09	55.16	74.00	-18.84	Peak
4	7389.373	39.55	36.52	10.75	41.09	45.73	54.00	-8.27	Average
5	9840.759	46.94	38.70	13.45	41.83	57.26	74.00	-16.74	Peak
6	9840.759	35.86	38.70	13.45	41.83	46.18	54.00	-7.82	Average

Test mode: 802.11n(H40)

Test channel: Lowest

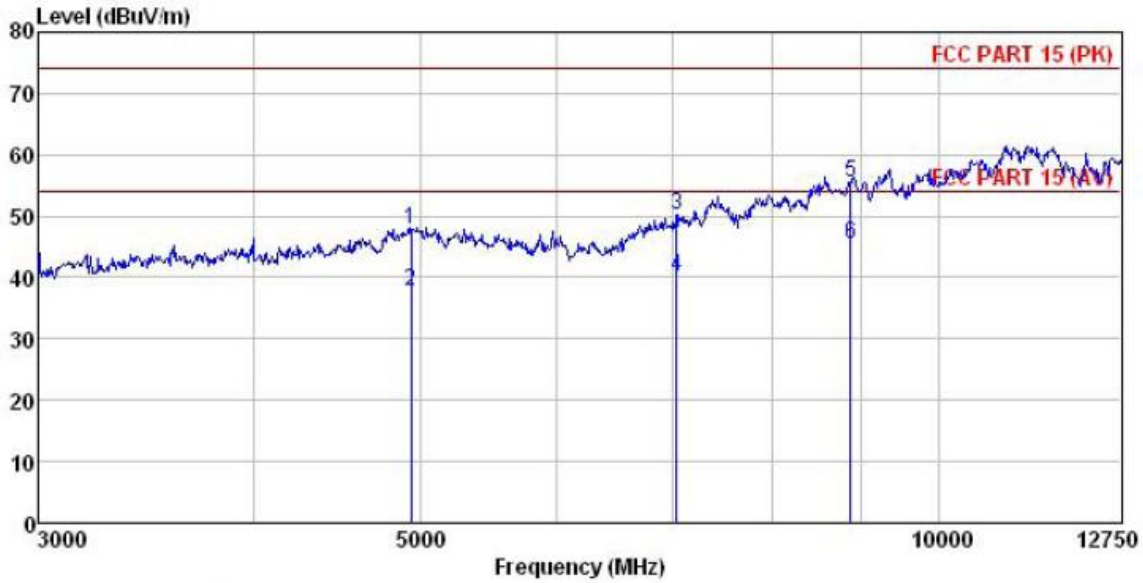
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N40-L
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4808.128	45.74	31.53	8.90	40.24	45.93	74.00	-28.07	Peak
2	4808.128	35.74	31.53	8.90	40.24	35.93	54.00	-18.07	Average
3	7004.178	44.70	35.56	10.41	41.41	49.26	74.00	-24.74	Peak
4	7004.178	34.70	35.56	10.41	41.41	39.26	54.00	-14.74	Average
5	8880.000	46.81	36.93	13.69	41.28	56.15	74.00	-17.85	Peak
6	8880.000	36.81	36.93	13.69	41.28	46.15	54.00	-7.85	Average

Horizontal:

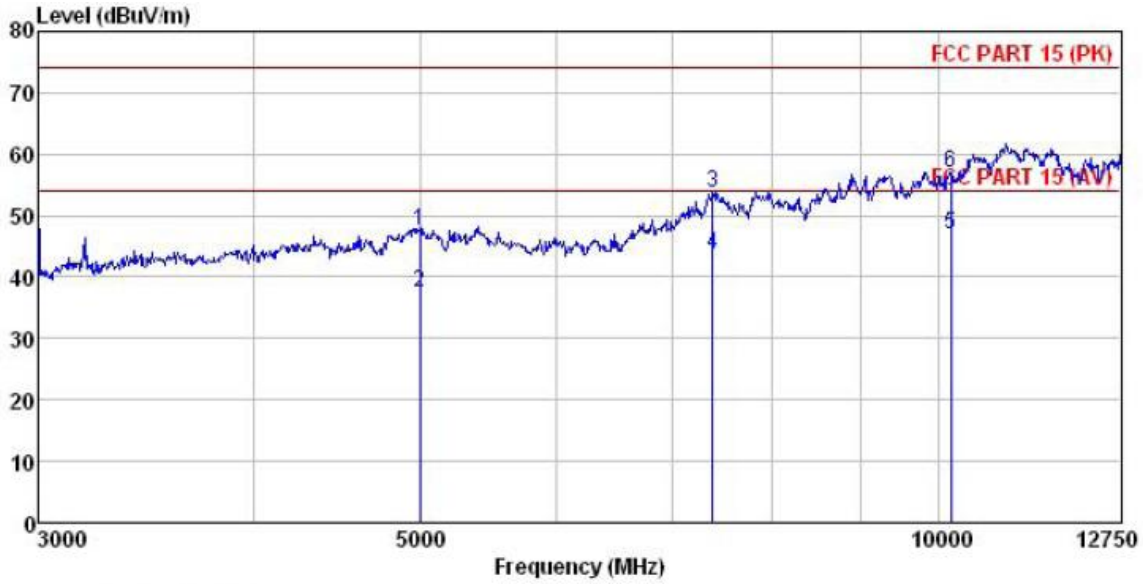


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N40-L
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4934.999	47.14	31.64	9.04	40.08	47.74	74.00	-26.26	Peak
2	4934.999	37.13	31.64	9.04	40.08	37.73	54.00	-16.27	Average
3	7034.647	45.45	35.66	10.44	41.38	50.17	74.00	-23.83	Peak
4	7034.647	35.44	35.66	10.44	41.38	40.16	54.00	-13.84	Average
5	8880.000	46.23	36.93	13.69	41.28	55.57	74.00	-18.43	Peak
6	8880.000	36.23	36.93	13.69	41.28	45.57	54.00	-8.43	Average

Test channel: Middle

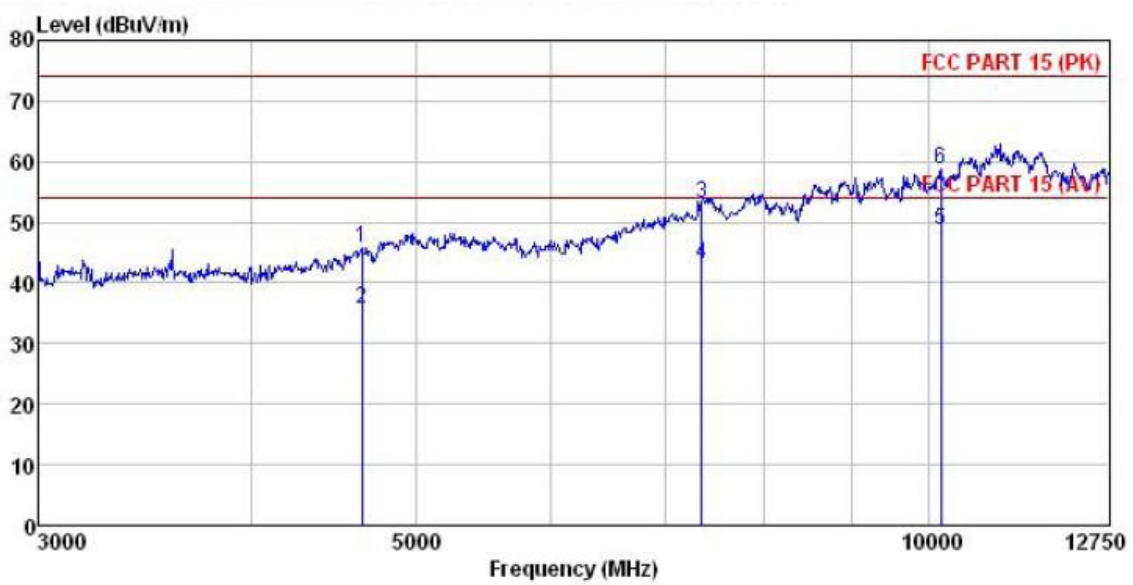
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N40-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4992.455	46.64	31.79	9.12	39.98	47.57	74.00	-26.43	Peak
2	4992.455	36.64	31.79	9.12	39.98	37.57	54.00	-16.43	Average
3	7389.373	47.61	36.52	10.75	41.09	53.79	74.00	-20.21	Peak
4	7389.373	37.60	36.52	10.75	41.09	43.78	54.00	-10.22	Average
5	10159.050	36.31	38.81	13.72	41.76	47.08	54.00	-6.92	Average
6	10159.050	46.31	38.81	13.72	41.76	57.08	74.00	-16.92	Peak

Horizontal:

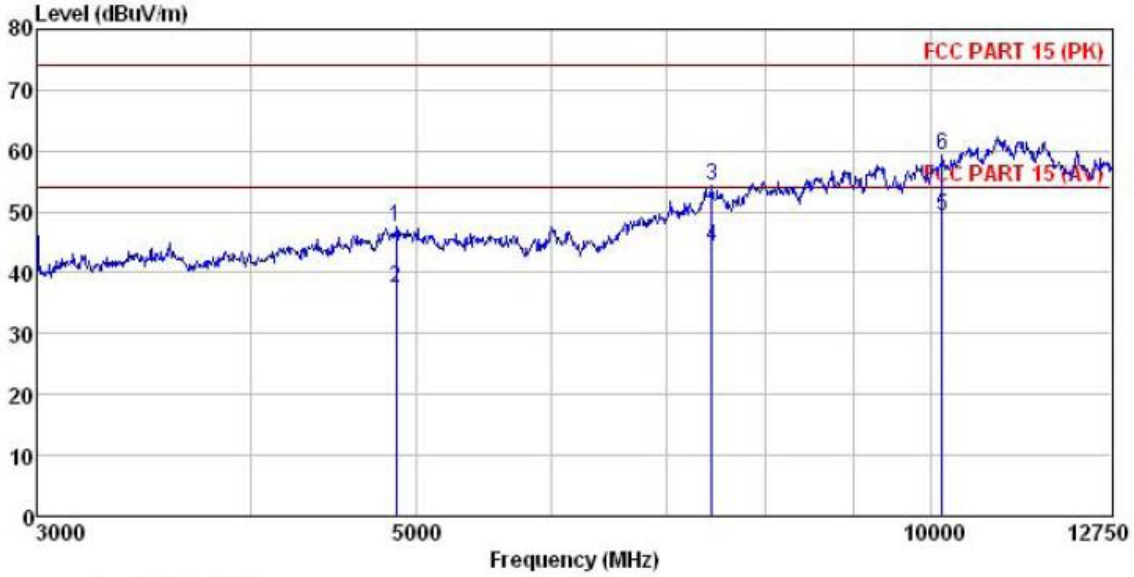


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N40-M
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4644.027	46.49	31.13	8.70	40.48	45.84	74.00	-28.16	Peak
2	4644.027	36.49	31.13	8.70	40.48	35.84	54.00	-18.16	Average
3	7346.729	47.17	36.47	10.71	41.13	53.22	74.00	-20.78	Peak
4	7346.729	37.16	36.47	10.71	41.13	43.21	54.00	-10.79	Average
5	10159.050	37.94	38.81	13.72	41.76	48.71	54.00	-5.29	Average
6	10159.050	47.95	38.81	13.72	41.76	58.72	74.00	-15.28	Peak

Test channel: Highest

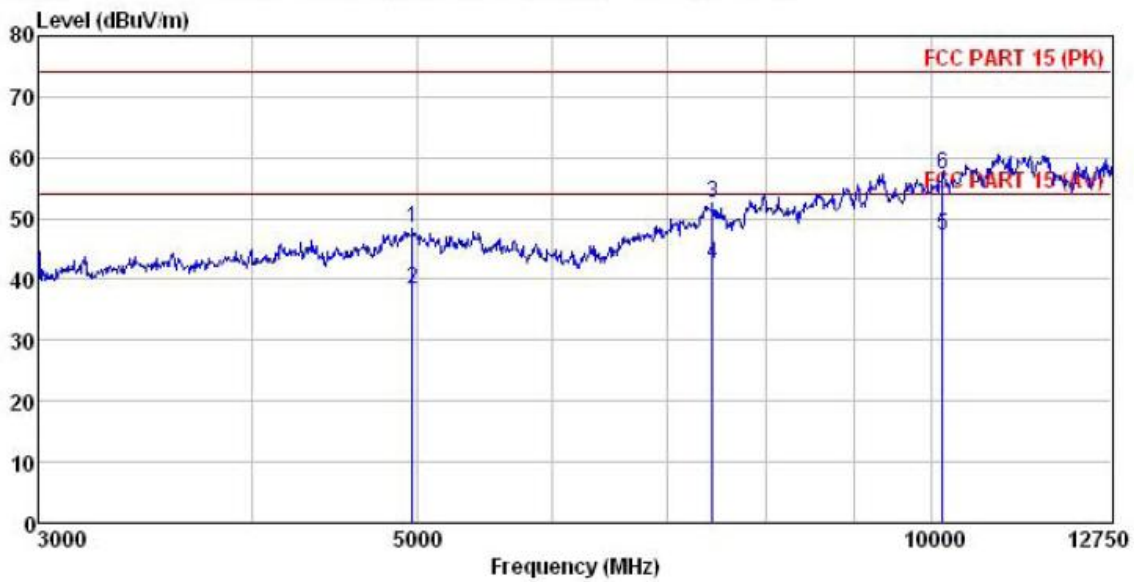
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N40-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4864.107	47.17	31.57	8.96	40.17	47.53	74.00	-26.47	Peak
2	4864.107	37.16	31.57	8.96	40.17	37.52	54.00	-16.48	Average
3	7443.025	48.07	36.60	10.80	41.05	54.42	74.00	-19.58	Peak
4	7443.025	38.06	36.60	10.80	41.05	44.41	54.00	-9.59	Average
5	10144.360	38.62	38.78	13.71	41.80	49.31	54.00	-4.69	Average
6	10144.360	48.62	38.78	13.71	41.80	59.31	74.00	-14.69	Peak

Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : Mobile phone
Model : KL35
Test mode : WIFI mode N40-H
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Garen

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4963.644	47.63	31.69	9.08	40.03	48.37	74.00	-25.63	Peak
2	4963.644	37.64	31.69	9.08	40.03	38.38	54.00	-15.62	Average
3	7443.025	46.27	36.60	10.80	41.05	52.62	74.00	-21.38	Peak
4	7443.025	36.26	36.60	10.80	41.05	42.61	54.00	-11.39	Average
5	10144.360	36.46	38.78	13.71	41.80	47.15	54.00	-6.85	Average
6	10144.360	46.47	38.78	13.71	41.80	57.16	74.00	-16.84	Peak