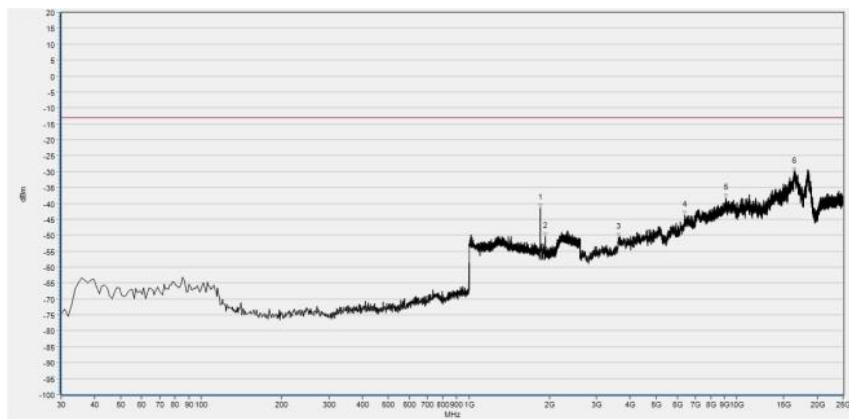


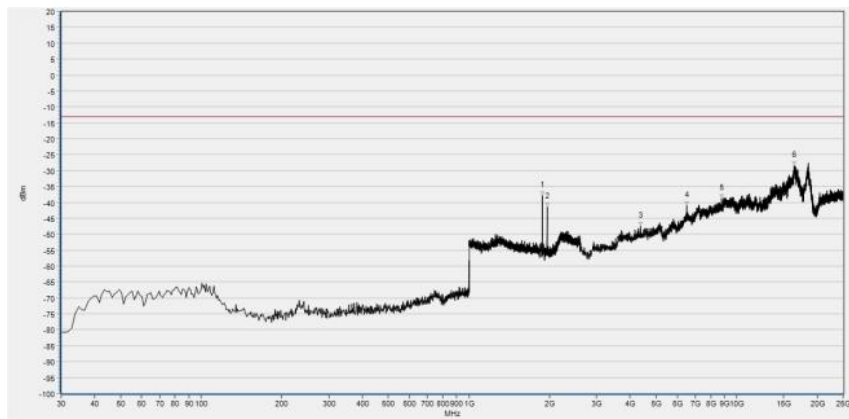
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1850.260	-34.86	-13.00	Horizontal	N/A
2	1930.292	-46.01	-13.00	Horizontal	N/A
3	3622.440	-48.97	-13.00	Horizontal	PASS
4	7243.753	-40.51	-13.00	Horizontal	PASS
5	10311.075	-38.69	-13.00	Horizontal	PASS
6	16404.983	-29.06	-13.00	Horizontal	PASS

(GSM 1900MHz, Channel = 512, Horizontal)



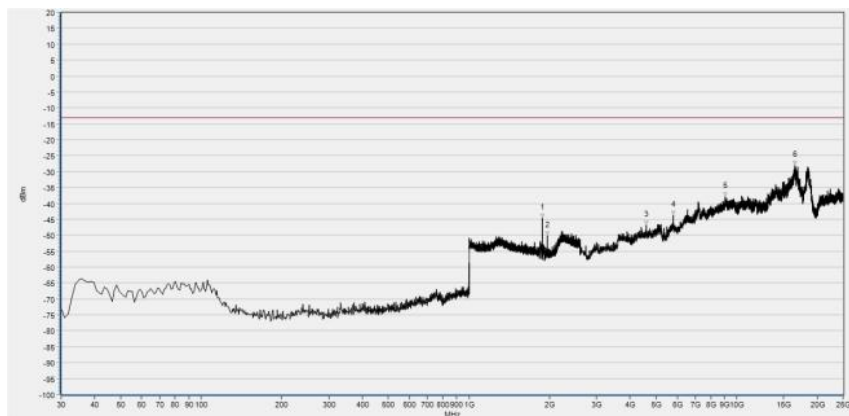
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1850.260	-41.40	-13.00	Vertical	N/A
2	1930.292	-50.42	-13.00	Vertical	N/A
3	3622.440	-50.56	-13.00	Vertical	PASS
4	6412.766	-43.79	-13.00	Vertical	PASS
5	9125.696	-38.29	-13.00	Vertical	PASS
6	16392.762	-30.06	-13.00	Vertical	PASS

(GSM 1900MHz, Channel = 512, Vertical)



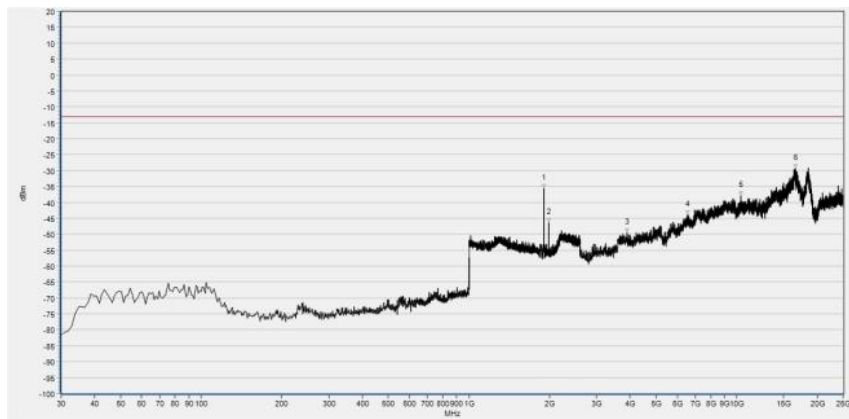
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1879.712	-37.84	-13.00	Horizontal	N/A
2	1959.744	-41.42	-13.00	Horizontal	N/A
3	4371.959	-47.49	-13.00	Horizontal	PASS
4	6518.676	-41.08	-13.00	Horizontal	PASS
5	8783.524	-38.71	-13.00	Horizontal	PASS
6	16413.130	-28.54	-13.00	Horizontal	PASS

(GSM 1900MHz, Channel = 661, Horizontal)



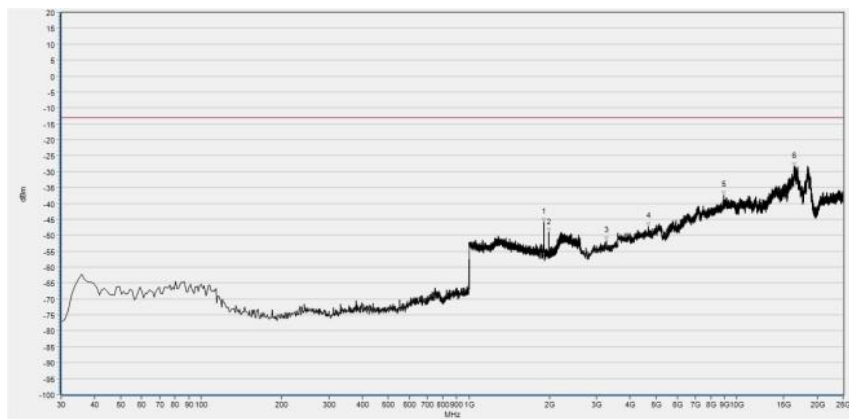
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1879.712	-44.65	-13.00	Vertical	N/A
2	1959.744	-50.06	-13.00	Vertical	N/A
3	4587.852	-46.71	-13.00	Vertical	PASS
4	5781.378	-43.60	-13.00	Vertical	PASS
5	9040.153	-37.93	-13.00	Vertical	PASS
6	16539.407	-28.03	-13.00	Vertical	PASS

(GSM 1900MHz, Channel = 661, Vertical)



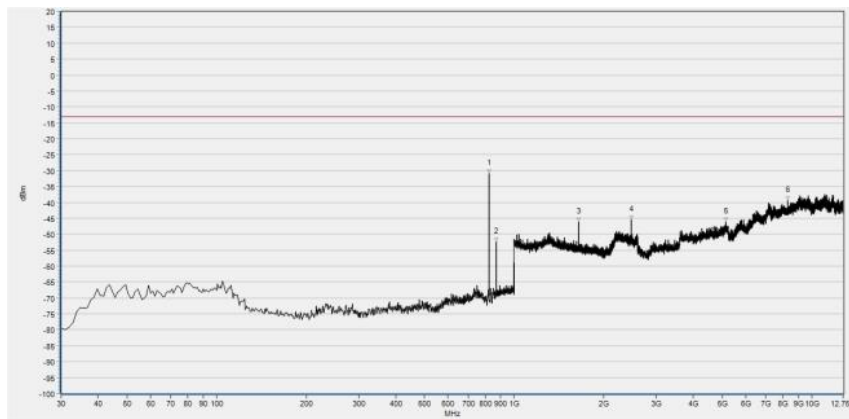
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1909.804	-35.69	-13.00	Horizontal	N/A
2	1989.836	-46.39	-13.00	Horizontal	N/A
3	3887.216	-49.61	-13.00	Horizontal	PASS
4	6559.411	-43.99	-13.00	Horizontal	PASS
5	10359.956	-37.84	-13.00	Horizontal	PASS
6	16584.215	-29.50	-13.00	Horizontal	PASS

(GSM 1900MHz, Channel = 810, Horizontal)



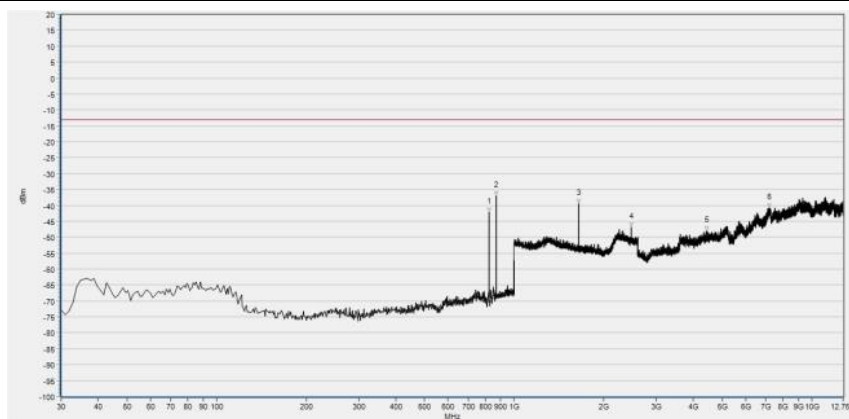
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1909.804	-46.00	-13.00	Vertical	N/A
2	1989.836	-48.97	-13.00	Vertical	N/A
3	3263.975	-51.66	-13.00	Vertical	PASS
4	4689.689	-47.37	-13.00	Vertical	PASS
5	8938.316	-37.53	-13.00	Vertical	PASS
6	16417.203	-28.43	-13.00	Vertical	PASS

(GSM 1900MHz, Channel = 810, Vertical)



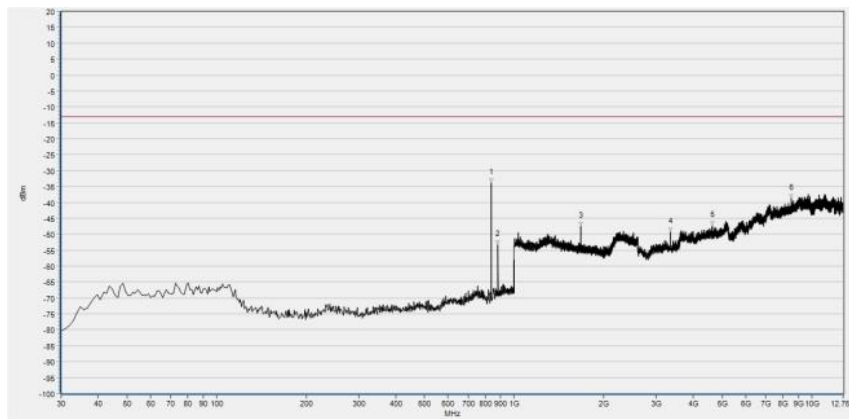
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	824.430	-30.85	-13.00	Horizontal	N/A
2	869.050	-52.36	-13.00	Horizontal	N/A
3	1647.939	-46.07	-13.00	Horizontal	PASS
4	2472.589	-45.52	-13.00	Horizontal	PASS
5	5134.270	-46.20	-13.00	Horizontal	PASS
6	8299.800	-39.49	-13.00	Horizontal	PASS

(EDGE 850MHz, Channel = 128, Horizontal)



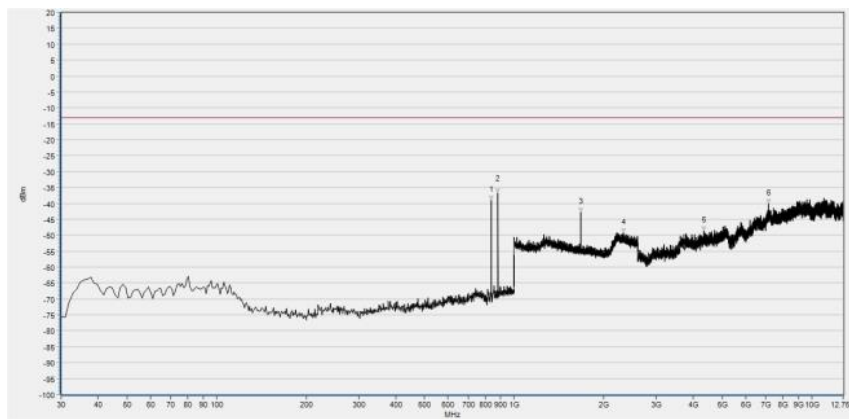
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	824.430	-42.21	-13.00	Vertical	N/A
2	869.050	-37.09	-13.00	Vertical	N/A
3	1647.939	-39.35	-13.00	Vertical	PASS
4	2472.589	-46.88	-13.00	Vertical	PASS
5	4438.407	-48.04	-13.00	Vertical	PASS
6	7196.017	-40.88	-13.00	Vertical	PASS

(EDGE 850MHz, Channel = 128, Vertical)



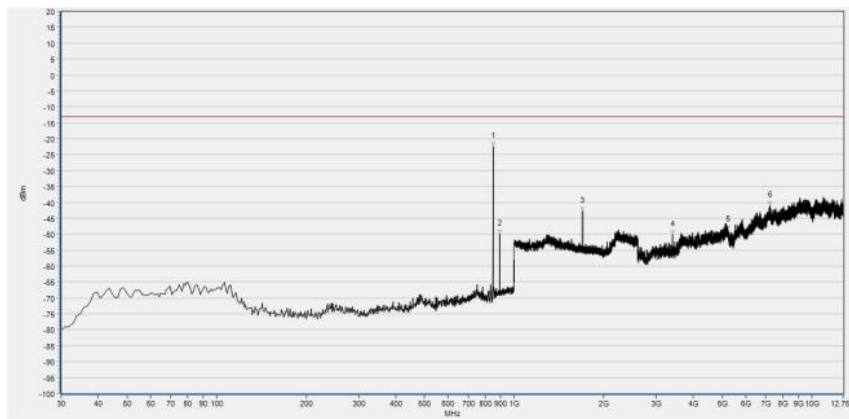
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	837.040	-33.80	-13.00	Horizontal	N/A
2	881.660	-53.35	-13.00	Horizontal	N/A
3	1672.909	-47.58	-13.00	Horizontal	PASS
4	3345.699	-49.22	-13.00	Horizontal	PASS
5	4628.523	-47.21	-13.00	Horizontal	PASS
6	8521.295	-38.85	-13.00	Horizontal	PASS

(EDGE 850MHz, Channel = 190, Horizontal)



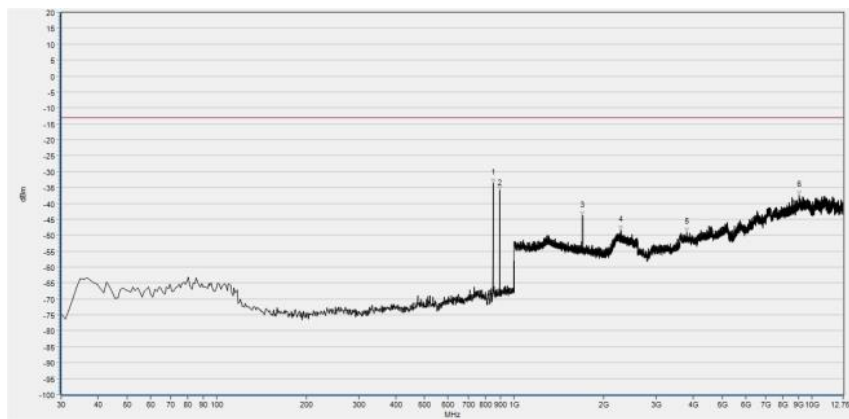
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	837.040	-38.98	-13.00	Vertical	N/A
2	881.660	-36.85	-13.00	Vertical	N/A
3	1672.909	-42.83	-13.00	Vertical	PASS
4	2329.172	-49.16	-13.00	Vertical	PASS
5	4340.580	-48.67	-13.00	Vertical	PASS
6	7164.639	-40.18	-13.00	Vertical	PASS

(EDGE 850MHz, Channel = 190, Vertical)



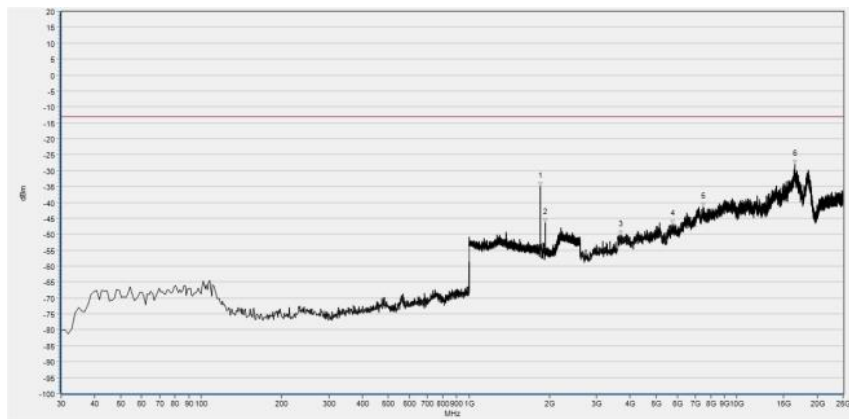
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	848.680	-22.37	-13.00	Horizontal	N/A
2	893.300	-49.98	-13.00	Horizontal	N/A
3	1697.239	-42.79	-13.00	Horizontal	PASS
4	3395.536	-50.20	-13.00	Horizontal	PASS
5	5224.714	-48.52	-13.00	Horizontal	PASS
6	7247.700	-40.97	-13.00	Horizontal	PASS

(EDGE 850MHz, Channel = 251, Horizontal)



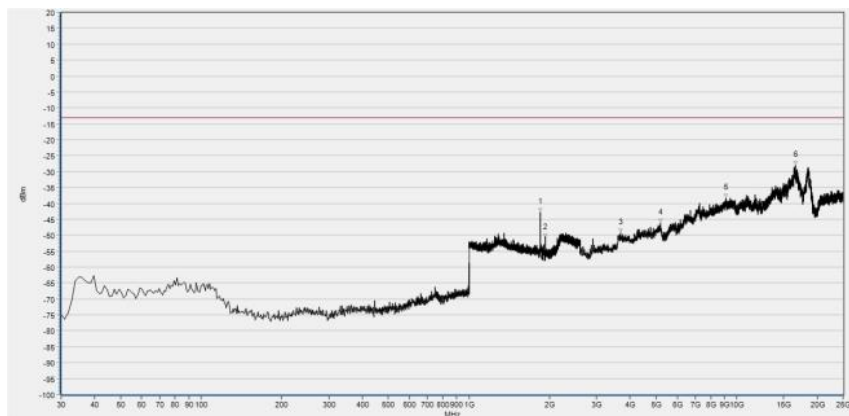
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	848.680	-33.67	-13.00	Vertical	N/A
2	894.270	-35.77	-13.00	Vertical	N/A
3	1697.239	-43.98	-13.00	Vertical	PASS
4	2284.354	-48.45	-13.00	Vertical	PASS
5	3808.993	-49.12	-13.00	Vertical	PASS
6	9086.107	-37.45	-13.00	Vertical	PASS

(EDGE 850MHz, Channel = 251, Vertical)



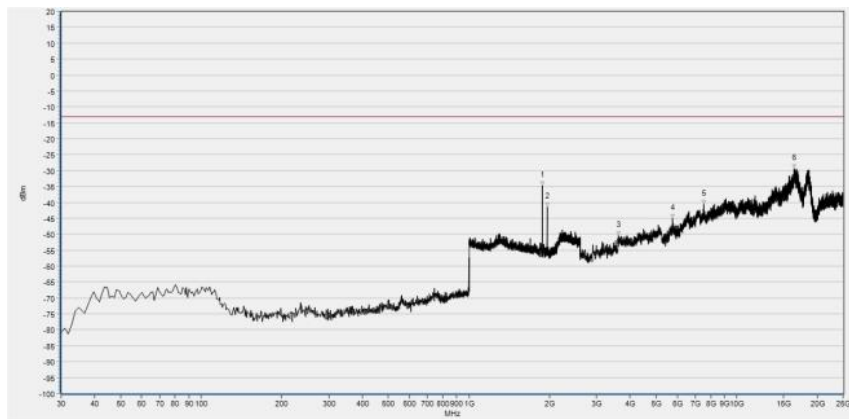
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1850.260	-34.93	-13.00	Horizontal	N/A
2	1930.292	-46.28	-13.00	Horizontal	N/A
3	3683.542	-50.08	-13.00	Horizontal	PASS
4	5756.938	-46.80	-13.00	Horizontal	PASS
5	7480.015	-41.55	-13.00	Horizontal	PASS
6	16539.407	-28.12	-13.00	Horizontal	PASS

(EDGE 1900MHz, Channel = 512, Horizontal)



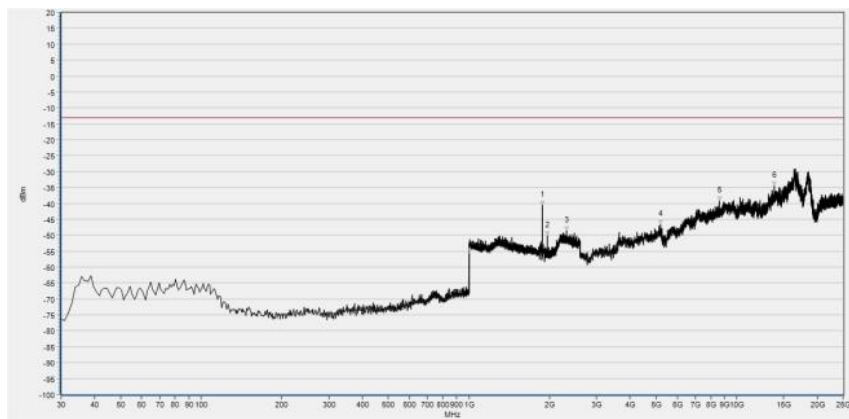
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1850.260	-42.86	-13.00	Vertical	N/A
2	1929.652	-50.87	-13.00	Vertical	N/A
3	3687.616	-49.29	-13.00	Vertical	PASS
4	5186.652	-46.25	-13.00	Vertical	PASS
5	9133.843	-38.41	-13.00	Vertical	PASS
6	16547.554	-28.01	-13.00	Vertical	PASS

(EDGE 1900MHz, Channel = 512, Vertical)



Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1879.712	-34.71	-13.00	Horizontal	N/A
2	1959.744	-41.36	-13.00	Horizontal	N/A
3	3618.367	-50.45	-13.00	Horizontal	PASS
4	5765.085	-45.11	-13.00	Horizontal	PASS
5	7557.410	-40.61	-13.00	Horizontal	PASS
6	16392.762	-29.41	-13.00	Horizontal	PASS

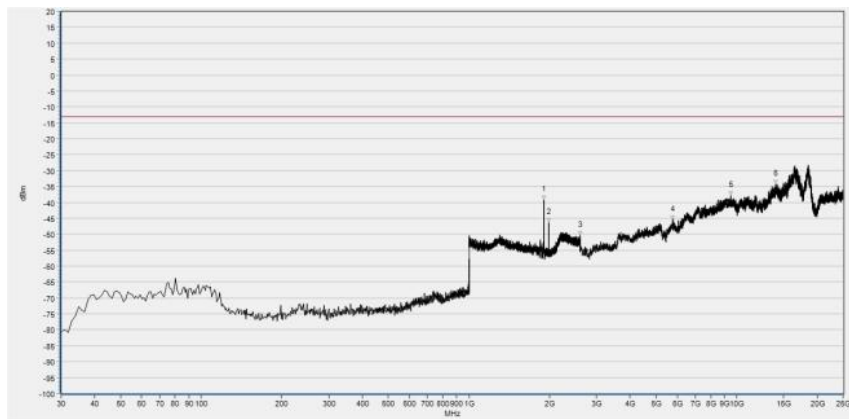
(EDGE 1900MHz, Channel = 661, Horizontal)



Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1879.712	-40.50	-13.00	Vertical	N/A
2	1959.744	-50.15	-13.00	Vertical	N/A
3	2313.165	-48.53	-13.00	Vertical	PASS
4	5186.652	-46.67	-13.00	Vertical	PASS
5	8604.292	-39.27	-13.00	Vertical	PASS
6	13814.257	-34.43	-13.00	Vertical	PASS

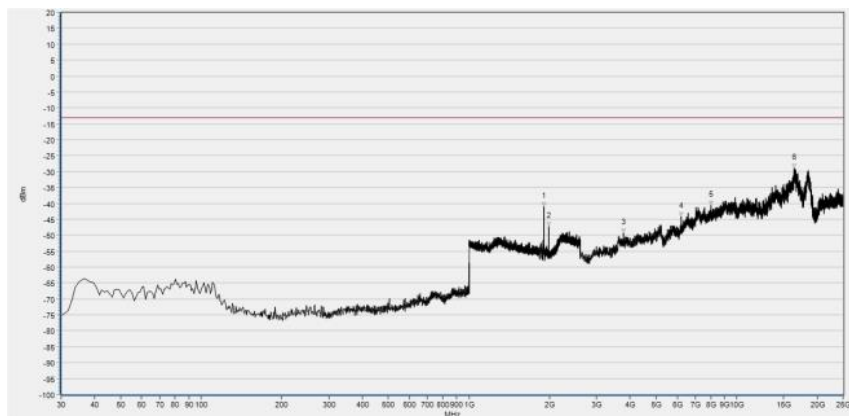
(EDGE 1900MHz, Channel = 661, Vertical)





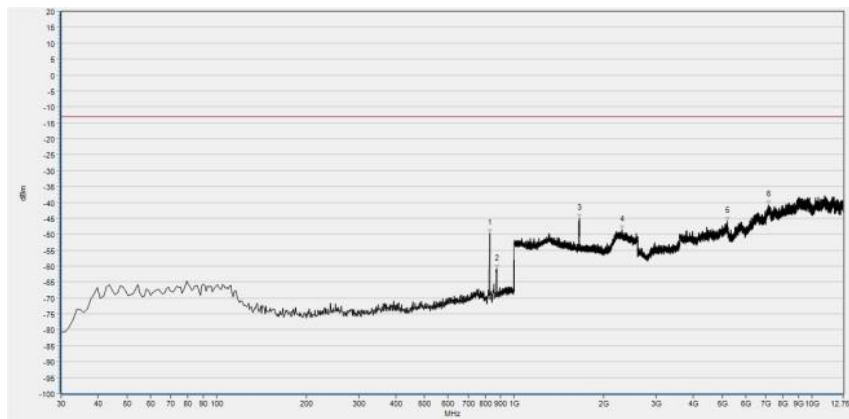
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1909.804	-39.26	-13.00	Horizontal	N/A
2	1989.836	-46.45	-13.00	Horizontal	N/A
3	2598.719	-50.40	-13.00	Horizontal	PASS
4	5777.305	-45.42	-13.00	Horizontal	PASS
5	9508.602	-37.97	-13.00	Horizontal	PASS
6	14001.637	-34.29	-13.00	Horizontal	PASS

(EDGE 1900MHz, Channel = 810, Horizontal)



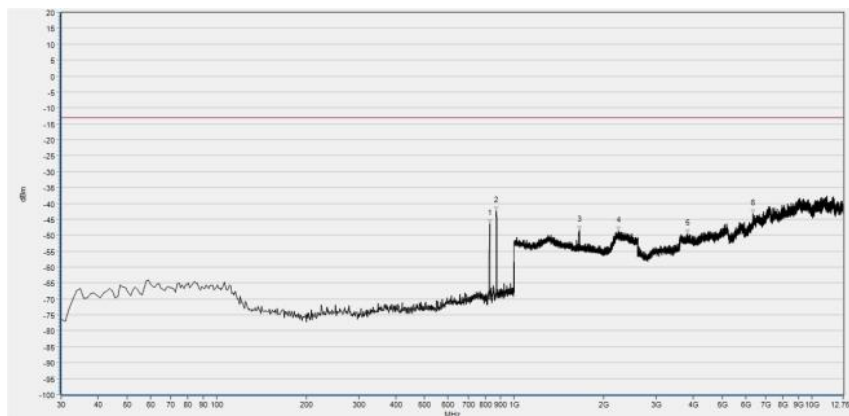
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	1909.804	-41.11	-13.00	Vertical	N/A
2	1989.836	-47.23	-13.00	Vertical	N/A
3	3777.232	-49.36	-13.00	Vertical	PASS
4	6217.239	-44.22	-13.00	Vertical	PASS
5	8021.786	-40.64	-13.00	Vertical	PASS
6	16384.615	-28.85	-13.00	Vertical	PASS

(EDGE 1900MHz, Channel = 810, Vertical)



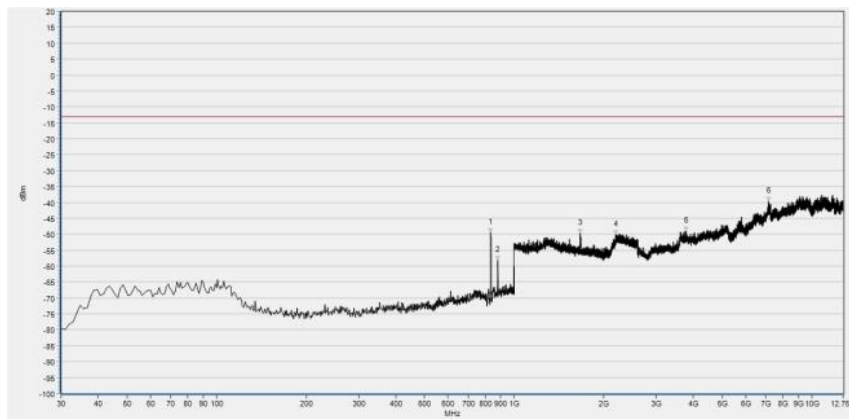
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	828.310	-49.82	-13.00	Horizontal	N/A
2	872.930	-60.81	-13.00	Horizontal	N/A
3	1654.342	-45.13	-13.00	Horizontal	PASS
4	2308.043	-48.53	-13.00	Horizontal	PASS
5	5187.798	-45.87	-13.00	Horizontal	PASS
6	7170.176	-40.83	-13.00	Horizontal	PASS

(WCDMA Band V, Channel = 4132, Horizontal)



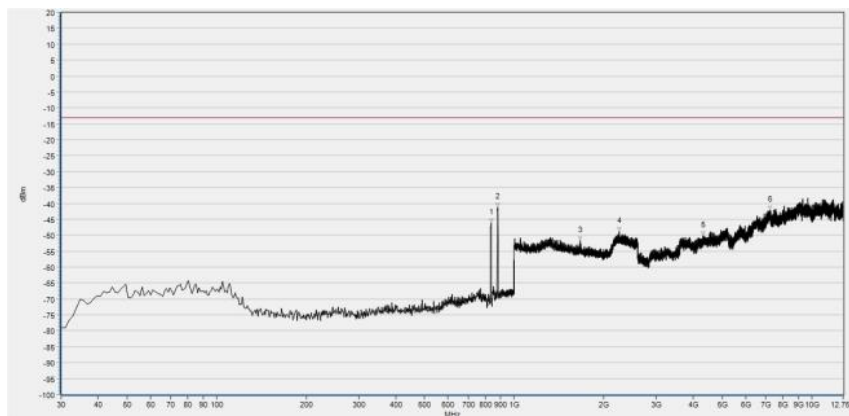
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	827.340	-46.31	-13.00	Vertical	N/A
2	870.020	-42.30	-13.00	Vertical	N/A
3	1654.342	-48.27	-13.00	Vertical	PASS
4	2245.938	-48.68	-13.00	Vertical	PASS
5	3816.376	-49.41	-13.00	Vertical	PASS
6	6341.417	-43.24	-13.00	Vertical	PASS

(WCDMA Band V, Channel = 4132, Vertical)



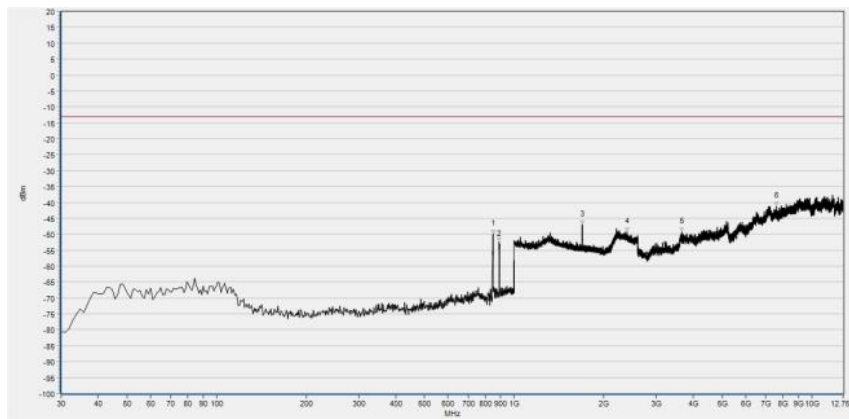
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	834.130	-49.47	-13.00	Horizontal	N/A
2	881.660	-58.25	-13.00	Horizontal	N/A
3	1667.787	-49.81	-13.00	Horizontal	PASS
4	2196.639	-50.16	-13.00	Horizontal	PASS
5	3783.151	-49.04	-13.00	Horizontal	PASS
6	7172.022	-39.77	-13.00	Horizontal	PASS

(WCDMA Band V, Channel = 4183, Horizontal)



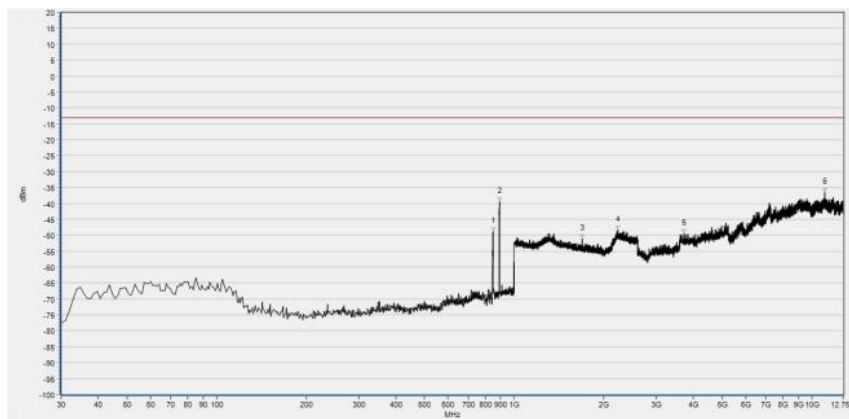
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	835.100	-46.16	-13.00	Vertical	N/A
2	878.750	-41.15	-13.00	Vertical	N/A
3	1668.427	-51.63	-13.00	Vertical	PASS
4	2249.780	-48.84	-13.00	Vertical	PASS
5	4311.047	-50.28	-13.00	Vertical	PASS
6	7236.625	-42.22	-13.00	Vertical	PASS

(WCDMA Band V, Channel = 4183, Vertical)



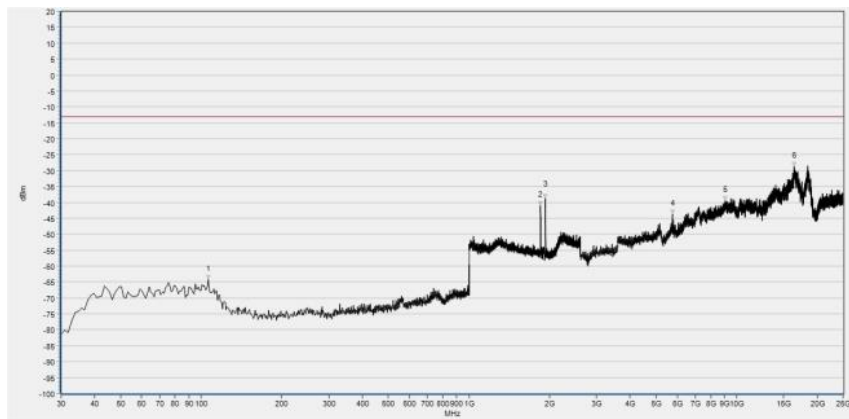
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	848.680	-50.03	-13.00	Horizontal	N/A
2	890.390	-52.51	-13.00	Horizontal	N/A
3	1690.836	-46.98	-13.00	Horizontal	PASS
4	2391.277	-49.38	-13.00	Horizontal	PASS
5	3650.255	-49.33	-13.00	Horizontal	PASS
6	7596.554	-41.23	-13.00	Horizontal	PASS

(WCDMA Band V, Channel = 4233, Horizontal)



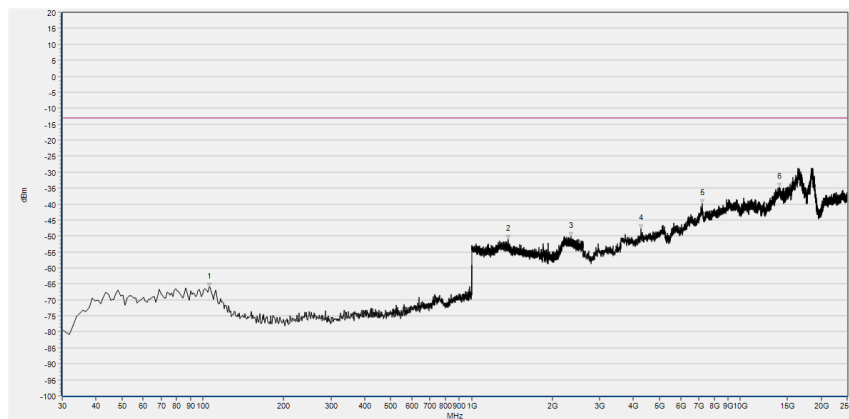
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	848.680	-48.89	-13.00	Vertical	N/A
2	892.330	-39.45	-13.00	Vertical	N/A
3	1690.836	-50.98	-13.00	Vertical	PASS
4	2231.853	-48.35	-13.00	Vertical	PASS
5	3725.932	-49.45	-13.00	Vertical	PASS
6	11072.177	-36.48	-13.00	Vertical	PASS

(WCDMA Band V, Channel = 4233, Vertical)



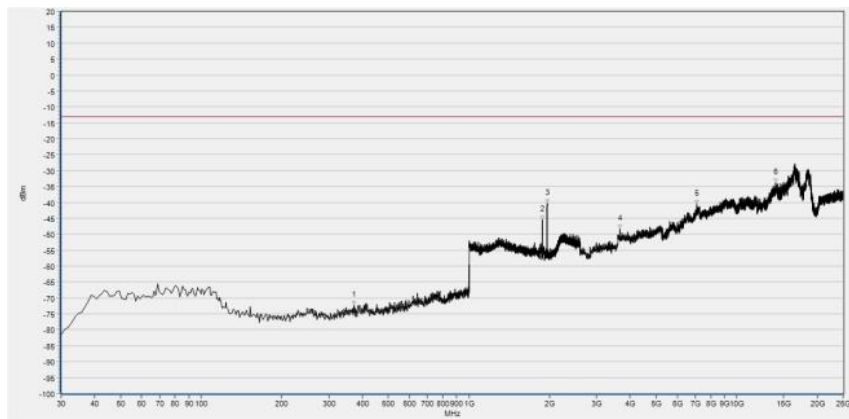
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	106.630	-64.28	-13.00	Horizontal	PASS
2	1850.900	-41.01	-13.00	Horizontal	N/A
3	1933.493	-38.77	-13.00	Horizontal	N/A
4	5748.791	-43.64	-13.00	Horizontal	PASS
5	9080.887	-39.47	-13.00	Horizontal	PASS
6	16404.983	-28.69	-13.00	Horizontal	PASS

(WCDMA Band II, Channel = 9262, Horizontal)



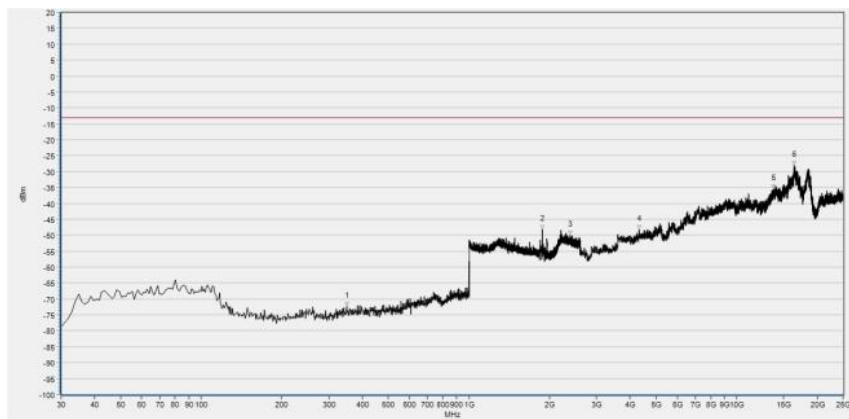
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	249.220	-72.58	-13.00	Vertical	PASS
2	1850.900	-44.93	-13.00	Vertical	N/A
3	1932.853	-45.15	-13.00	Vertical	N/A
4	3626.514	-49.99	-13.00	Vertical	PASS
5	5198.873	-47.02	-13.00	Vertical	PASS
6	9907.801	-37.49	-13.00	Vertical	PASS

(WCDMA Band II, Channel = 9262, Vertical)



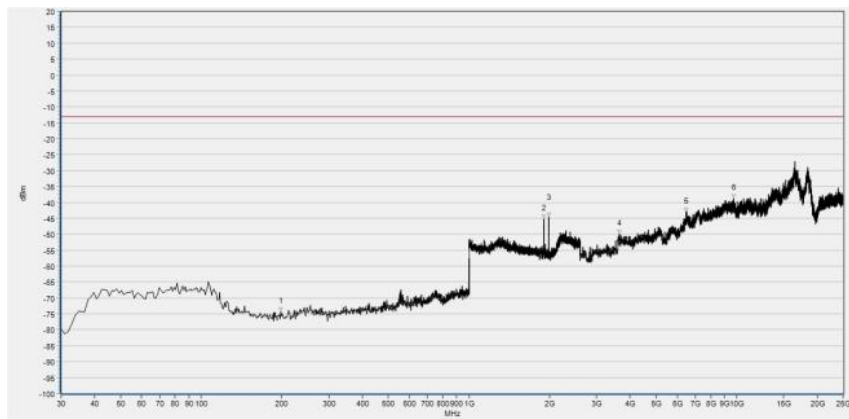
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	373.380	-72.25	-13.00	Horizontal	PASS
2	1879.072	-45.49	-13.00	Horizontal	N/A
3	1960.384	-40.34	-13.00	Horizontal	N/A
4	3663.175	-48.37	-13.00	Horizontal	PASS
5	7084.888	-40.57	-13.00	Horizontal	PASS
6	14017.931	-33.92	-13.00	Horizontal	PASS

(WCDMA Band II, Channel = 9400, Horizontal)



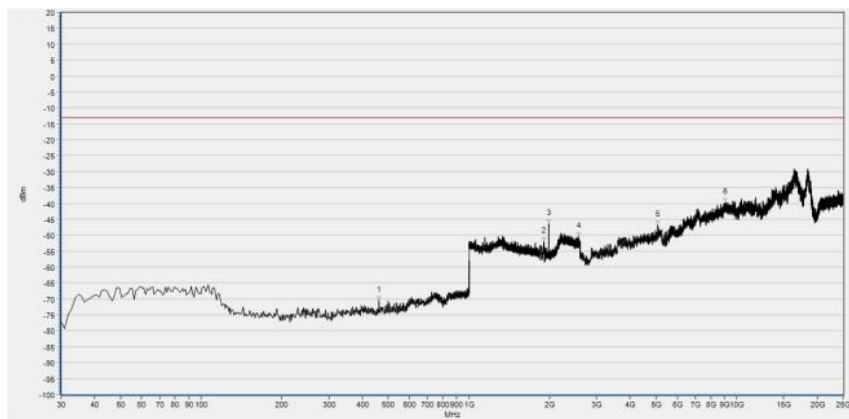
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	350.100	-72.39	-13.00	Vertical	PASS
2	1878.431	-48.20	-13.00	Vertical	N/A
3	2392.557	-50.01	-13.00	Vertical	PASS
4	4327.150	-48.14	-13.00	Vertical	PASS
5	13724.641	-35.41	-13.00	Vertical	PASS
6	16396.836	-28.09	-13.00	Vertical	PASS

(WCDMA Band II, Channel = 9400, Vertical)



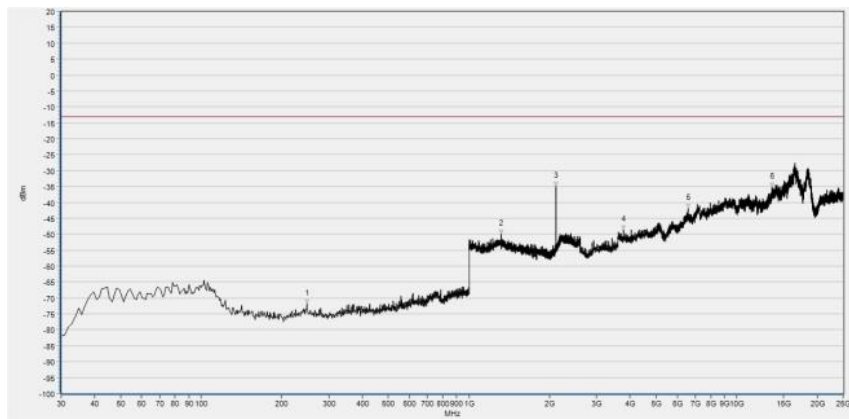
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	198.780	-74.38	-13.00	Horizontal	PASS
2	1907.883	-45.29	-13.00	Horizontal	N/A
3	1986.635	-44.59	-13.00	Horizontal	N/A
4	3638.734	-49.86	-13.00	Horizontal	PASS
5	6469.795	-42.92	-13.00	Horizontal	PASS
6	9724.495	-38.75	-13.00	Horizontal	PASS

(WCDMA Band II, Channel = 9538, Horizontal)



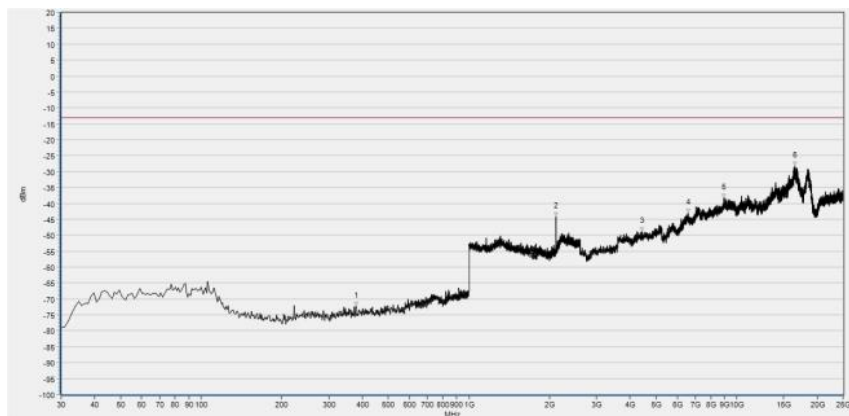
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	461.650	-70.47	-13.00	Vertical	PASS
2	1900.840	-51.90	-13.00	Vertical	PASS
3	1988.555	-46.38	-13.00	Vertical	N/A
4	2564.786	-50.34	-13.00	Vertical	PASS
5	5080.742	-46.70	-13.00	Vertical	PASS
6	9052.373	-39.71	-13.00	Vertical	PASS

(WCDMA Band II, Channel = 9538, Vertical)



Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	248.468	-71.87	-13.00	Horizontal	PASS
2	1322.561	-49.86	-13.00	Horizontal	PASS
3	2113.357	-35.01	-13.00	Horizontal	N/A
4	3791.132	-48.65	-13.00	Horizontal	PASS
5	6576.663	-41.86	-13.00	Horizontal	PASS
6	13566.628	-35.13	-13.00	Horizontal	PASS

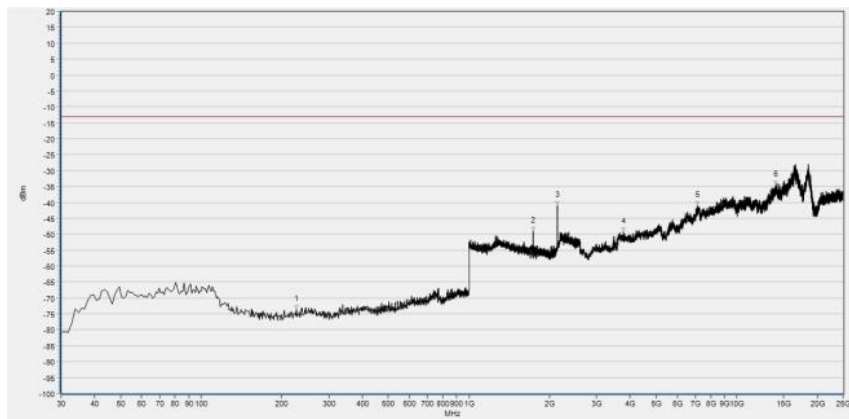
(WCDMA Band IV, Channel = 1312, Horizontal)



Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	379.550	-72.34	-13.00	Vertical	PASS
2	2110.955	-44.06	-13.00	Vertical	N/A
3	4429.638	-48.86	-13.00	Vertical	PASS
4	6580.397	-42.96	-13.00	Vertical	PASS
5	8966.394	-38.41	-13.00	Vertical	PASS
6	16523.921	-28.36	-13.00	Vertical	PASS

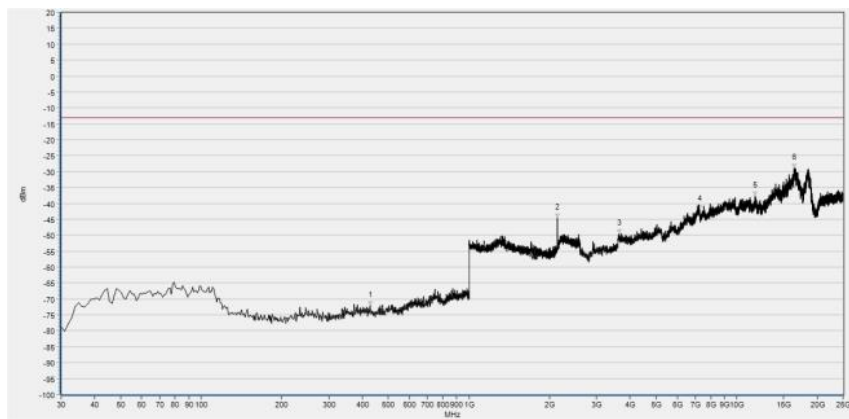
(WCDMA Band IV, Channel = 1312, Vertical)





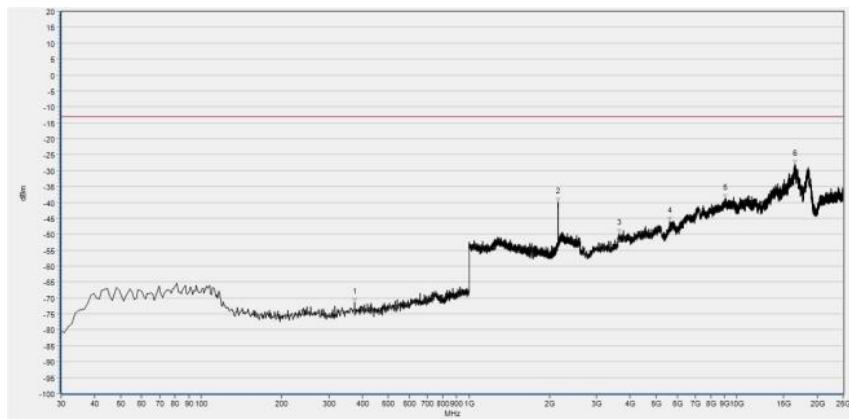
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	227.107	-73.72	-13.00	Horizontal	PASS
2	1738.769	-49.00	-13.00	Horizontal	PASS
3	2139.770	-41.05	-13.00	Horizontal	N/A
4	3787.398	-49.19	-13.00	Horizontal	PASS
5	7118.086	-40.98	-13.00	Horizontal	PASS
6	13996.033	-34.46	-13.00	Horizontal	PASS

(WCDMA Band IV, Channel = 1413, Horizontal)



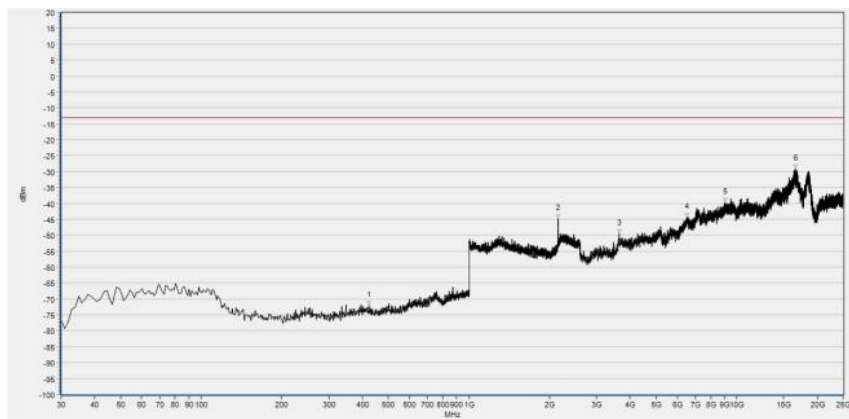
Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	428.098	-71.97	-13.00	Vertical	PASS
2	2140.570	-44.55	-13.00	Vertical	N/A
3	3645.508	-49.55	-13.00	Vertical	PASS
4	7252.509	-41.98	-13.00	Vertical	PASS
5	11725.788	-37.58	-13.00	Vertical	PASS
6	16393.232	-28.89	-13.00	Vertical	PASS

(WCDMA Band IV, Channel = 1413, Vertical)



Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	374.695	-71.38	-13.00	Horizontal	PASS
2	2150.975	-39.81	-13.00	Horizontal	N/A
3	3638.040	-49.80	-13.00	Horizontal	PASS
4	5617.036	-45.94	-13.00	Horizontal	PASS
5	9070.945	-38.80	-13.00	Horizontal	PASS
6	16535.123	-28.06	-13.00	Horizontal	PASS

(WCDMA Band IV, Channel = 1513, Horizontal)



Num	Freq(MHz)	PK	limit PK	Antenna	Verdict
1	422.272	-72.11	-13.00	Vertical	PASS
2	2151.776	-44.75	-13.00	Vertical	N/A
3	3634.306	-49.40	-13.00	Vertical	PASS
4	6528.121	-44.26	-13.00	Vertical	PASS
5	9074.679	-39.77	-13.00	Vertical	PASS
6	16550.058	-29.13	-13.00	Vertical	PASS

(WCDMA Band IV, Channel = 1513, Vertical)



## Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Output Power	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77\text{ dB}$
Radiated Emission	$\pm 2.95\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$



## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

<b>Laboratory Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
<b>Laboratory Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China
<b>Telephone:</b>	+86 755 36698555
<b>Facsimile:</b>	+86 755 36698525

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
<b>Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



#### 4. Test Equipments Utilized

##### 4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Power Splitter	NW521	1506A	Weinschel	2019.04.17	2020.04.16
Attenuator 1	(N/A.)	10dB	Resnet	2019.04.17	2020.04.16
Attenuator 2	(N/A.)	3dB	Resnet	2019.04.17	2020.04.16
MXA Signal Analyzer	MY51511149	N9010A	Agilent	2019.07.29	2020.07.28
Wireless synthesizer	MY48364176	8960 -E5515C	Agilent	2019.04.17	2020.04.16
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	(N/A)	HUT705P	CHONGQING HANBA EXPERIMENTAL EQUIPMENT CO.,LTD	2019.04.17	2020.04.16
Computer	T430i	Think Pad	Lenovo	N/A	N/A

**4.2 Radiated Test Equipments**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
System Simulator	152038	CMW500	R&S	2019.08.04	2020.08.03
Receiver	MY54130016	N9038A	Agilent	2019.05.18	2020.05.17
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.03.03	2020.03.02
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2019.08.06	2020.08.05
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2019.08.02	2020.08.01
Coaxial cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
1-18GHz pre-Amplifier	MA02	TS-PR18	Rohde& Schwarz	2019.05.08	2020.05.07
18-26.5GHz pre-Amplifier	MA03	TS-PR18	Rohde& Schwarz	2019.05.08	2020.05.07
Notch Filter	N/A	WRCG-GSM 850	Wainwright	2019.12.01	2020.11.30
Notch Filter	N/A	WRCG-GSM 1900	Wainwright	2019.12.01	2020.11.30
Notch Filter	N/A	WRCGV-W Band V	Wainwright	2019.12.01	2020.11.30
Notch Filter	N/A	WRCGV-W Band II	Wainwright	2019.12.01	2020.11.30
Notch Filter	N/A	WRCGV-W Band IV	Wainwright	2019.12.01	2020.11.30
Anechoic Chamber	N/A	9m*6m*6m	CRT	2017.11.19	2020.11.18

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