

Appendix B_Radiated Spurious Emission Data for BR_EDR:

1.Radiated Spurious Emission and Restricted Band

Test Result

Radiated Spurious Emission:

For 9 kHz ~ 30 MHz

Note:

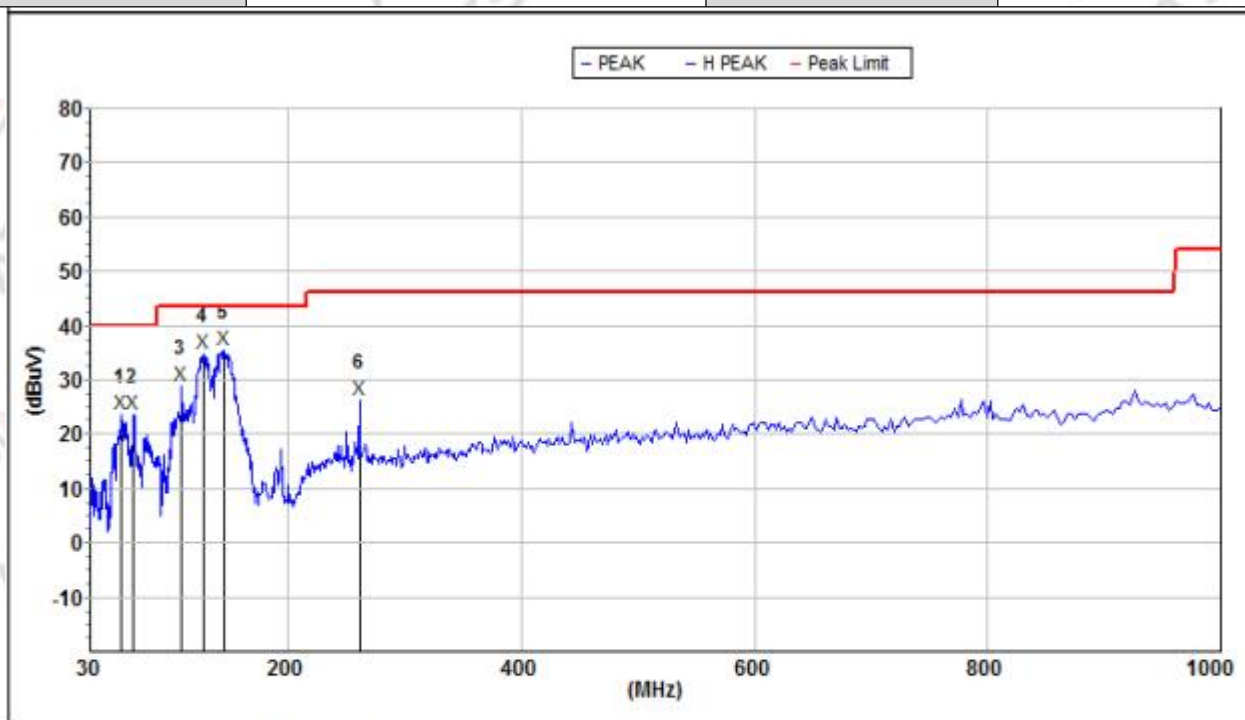
- 1.The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.
- 2.The all data rate modes had been test, but only worse test data was recorded in the test report.

Below 1GHz:

Note:

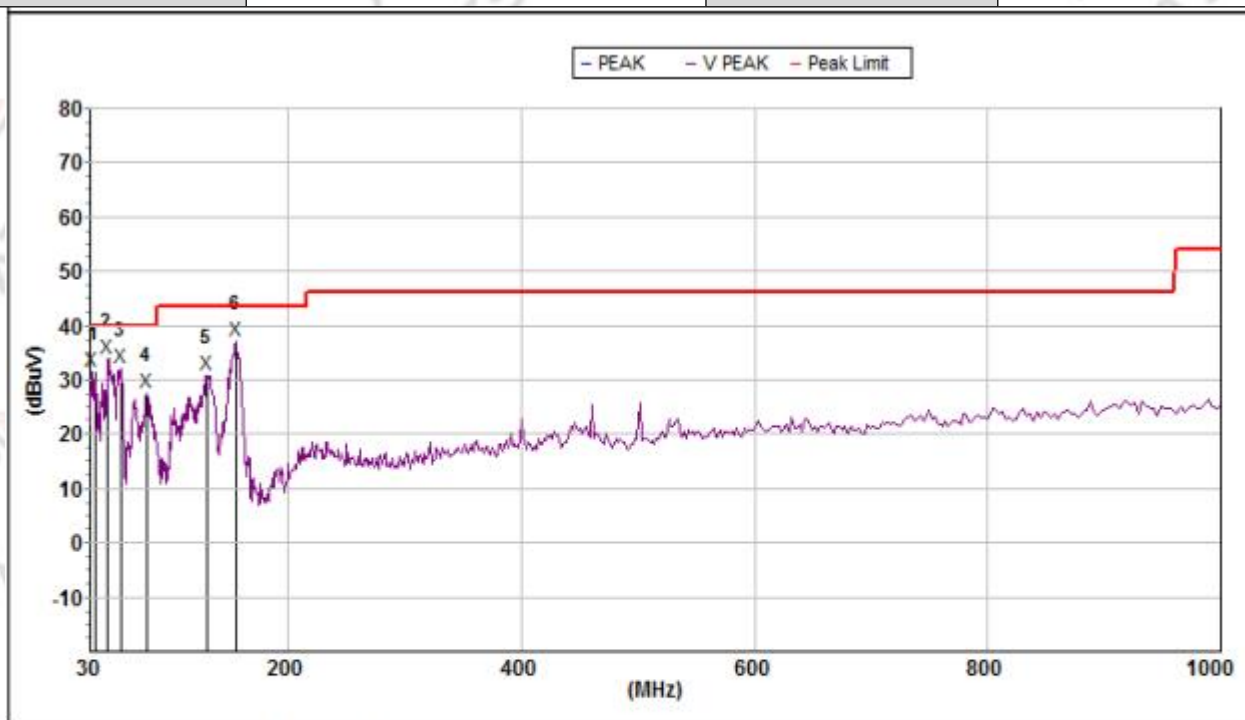
- 1.All modes have been tested, only worst (3DH5-2402MHz)mode was recorded in the test report.
- 2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
- 3.Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
- 4.The emission levels of other frequencies were less than 20dB margin against the limit.
- 5.Margin value = Emission level-Limit value.

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5_2402MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak:							
1	56.991	66.9	-43.2	23.7	40.0	16.3	H
2	67.438	69.5	-45.6	23.9	40.0	16.1	H
3	107.888	67.2	-38.1	29.1	43.5	14.4	H
4	126.772	68.9	-34.0	34.9	43.5	8.6	H
5	144.335	69.3	-33.6	35.7	43.5	7.8	H
6	261.058	53.9	-27.6	26.3	46.0	19.7	H

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5_2402MHz	Antenna	Vertical

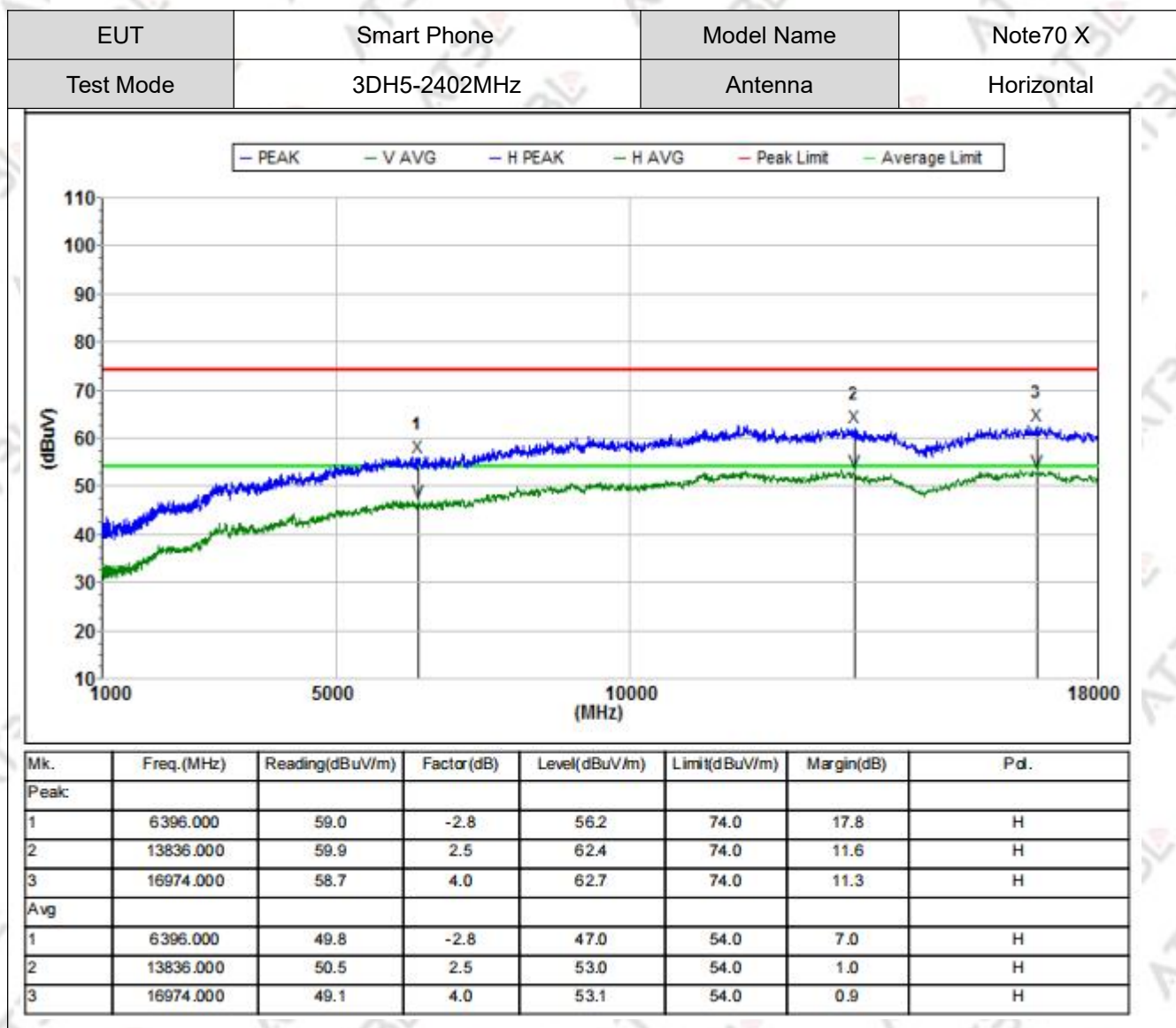


Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak:							
1	31.289	78.2	-46.4	31.8	40.0	8.2	V
2	45.217	78.4	-44.6	33.8	40.0	6.2	V
3	56.395	75.8	-43.5	32.3	40.0	7.7	V
4	78.413	71.3	-43.5	27.8	40.0	12.2	V
5	130.837	67.9	-36.8	31.1	43.5	12.4	V
6	154.821	72.4	-35.3	37.1	43.5	6.4	V

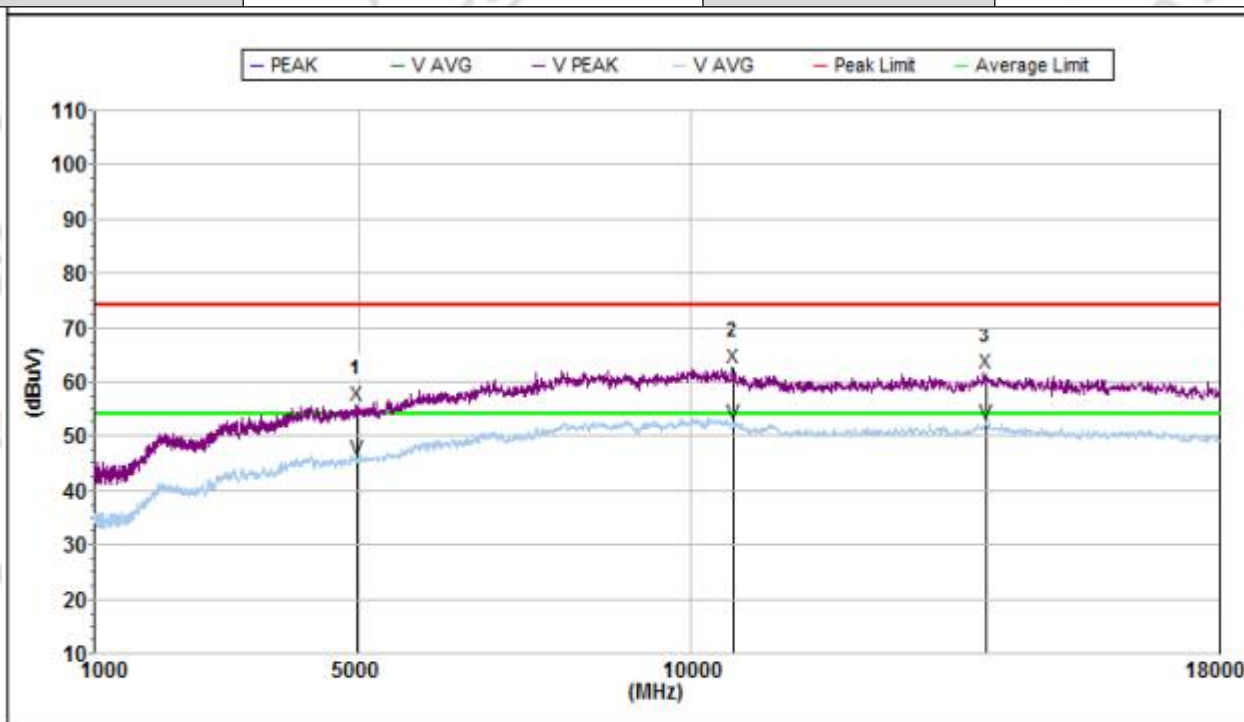
Above 1GHz:

Note:

- 1.All modes have been tested, only worst (3DH5)mode was recorded in the test report.
- 2.We used the filter to test and the main frequency was filtered out.
- 3.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
4. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
5. Margin value = Emission level-Limit value.

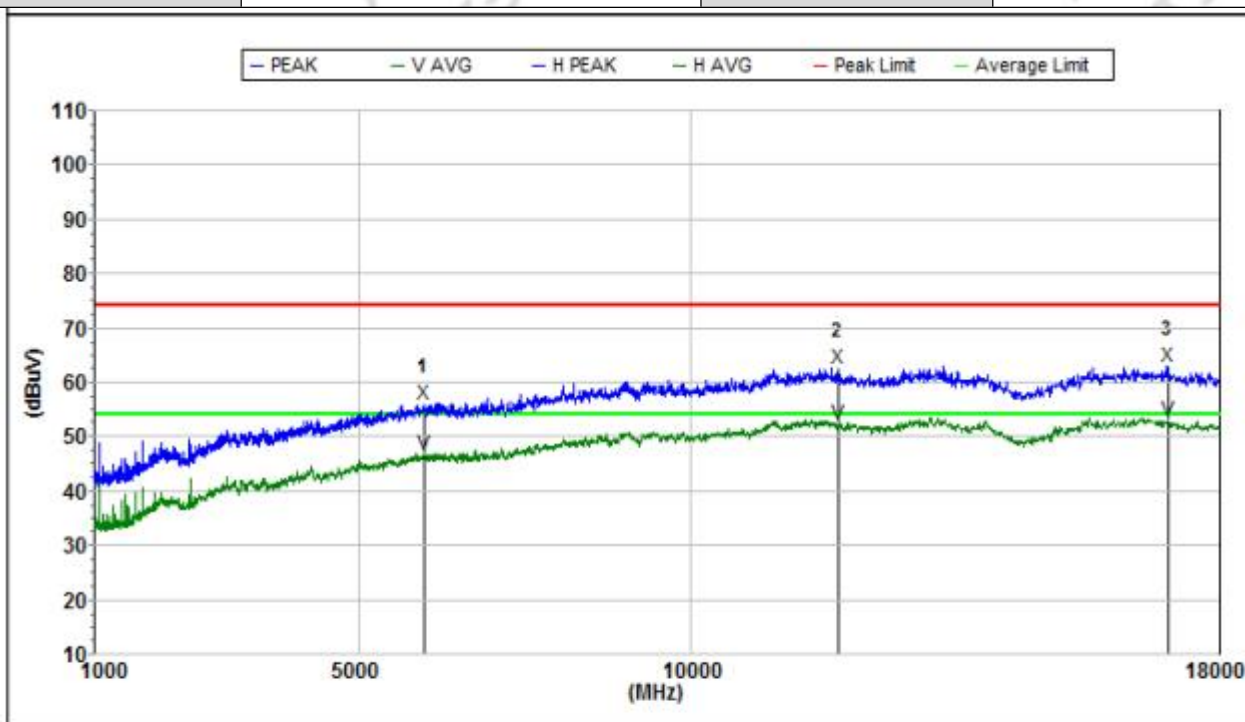


EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2402MHz	Antenna	Vertical



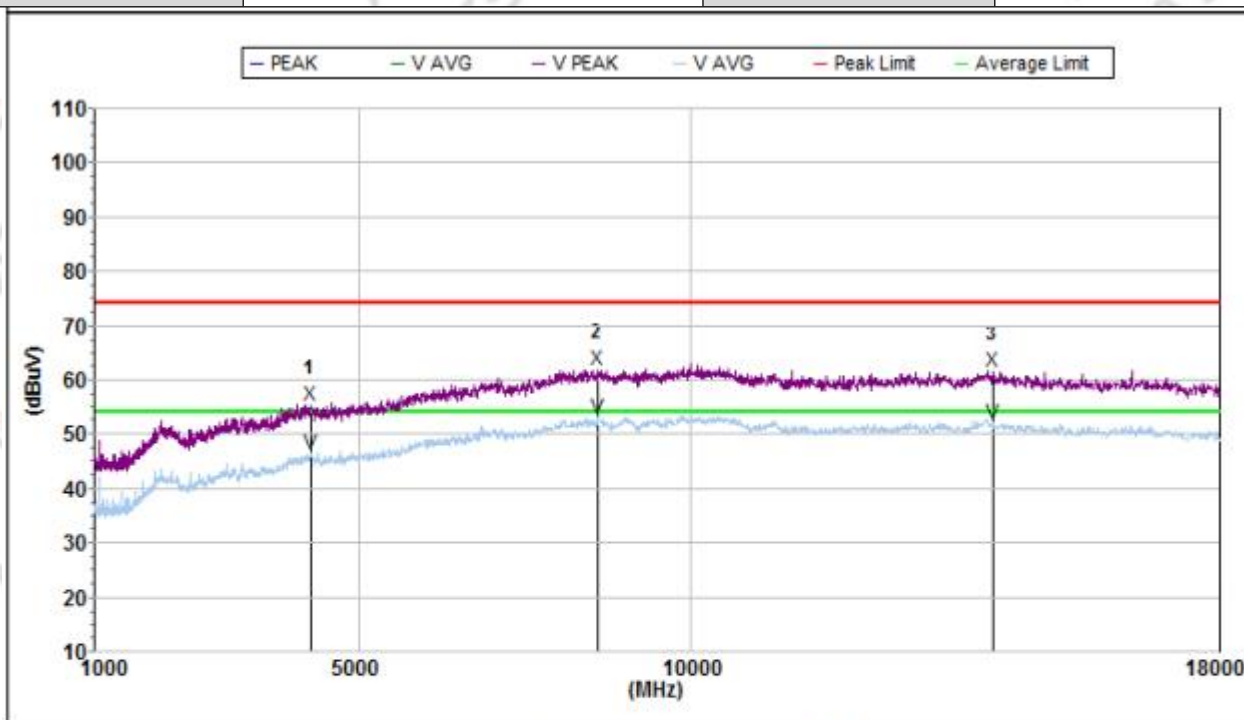
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak							
1	4980.000	59.9	-4.1	55.8	74.0	18.2	V
2	10644.000	59.5	3.0	62.5	74.0	11.5	V
3	14472.000	59.2	2.5	61.7	74.0	12.3	V
Avg							
1	4980.000	50.0	-4.1	45.9	54.0	8.1	V
2	10644.000	49.5	3.0	52.5	54.0	1.5	V
3	14472.000	49.9	2.5	52.4	54.0	1.6	V

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2441MHz	Antenna	Horizontal



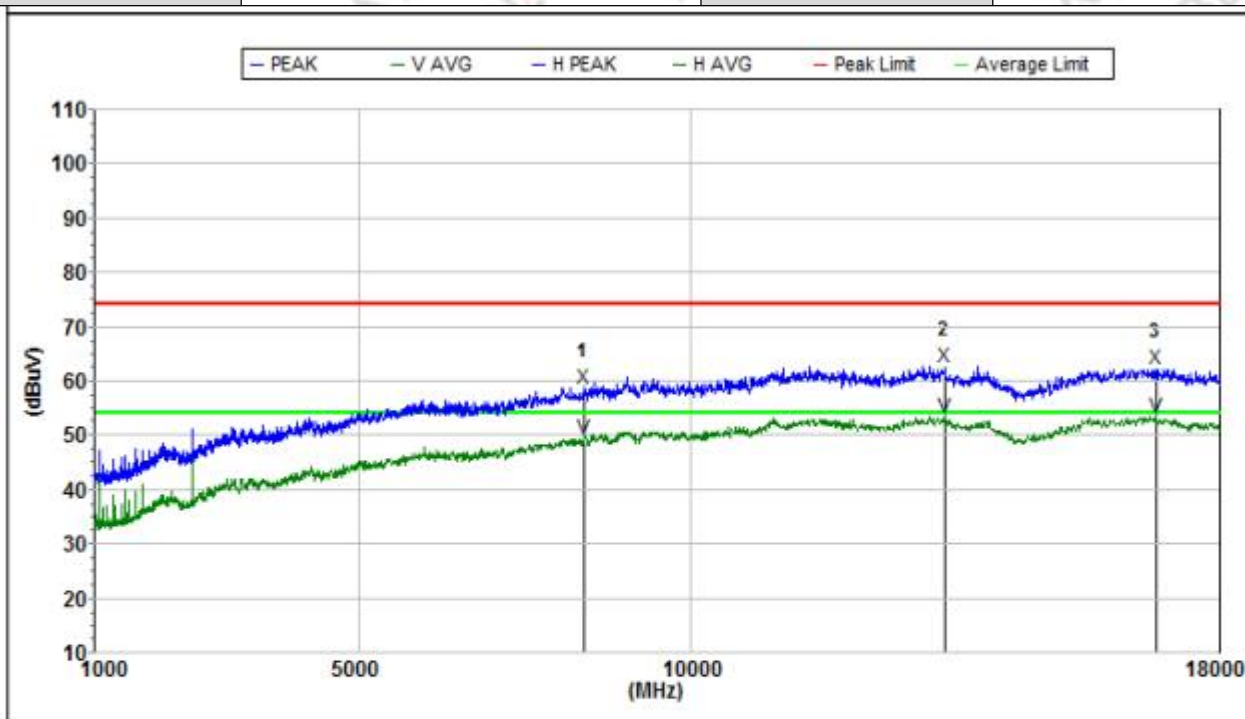
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	P.d.
Peak							
1	5987.500	59.0	-3.1	55.9	74.0	18.1	H
2	12228.000	59.9	2.7	62.6	74.0	11.4	H
3	17214.000	59.3	3.7	63.0	74.0	11.0	H
Avg							
1	5987.500	49.9	-3.1	46.8	54.0	7.2	H
2	12228.000	49.8	2.7	52.5	54.0	1.5	H
3	17214.000	49.3	3.7	53.0	54.0	1.0	H

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2441MHz	Antenna	Vertical



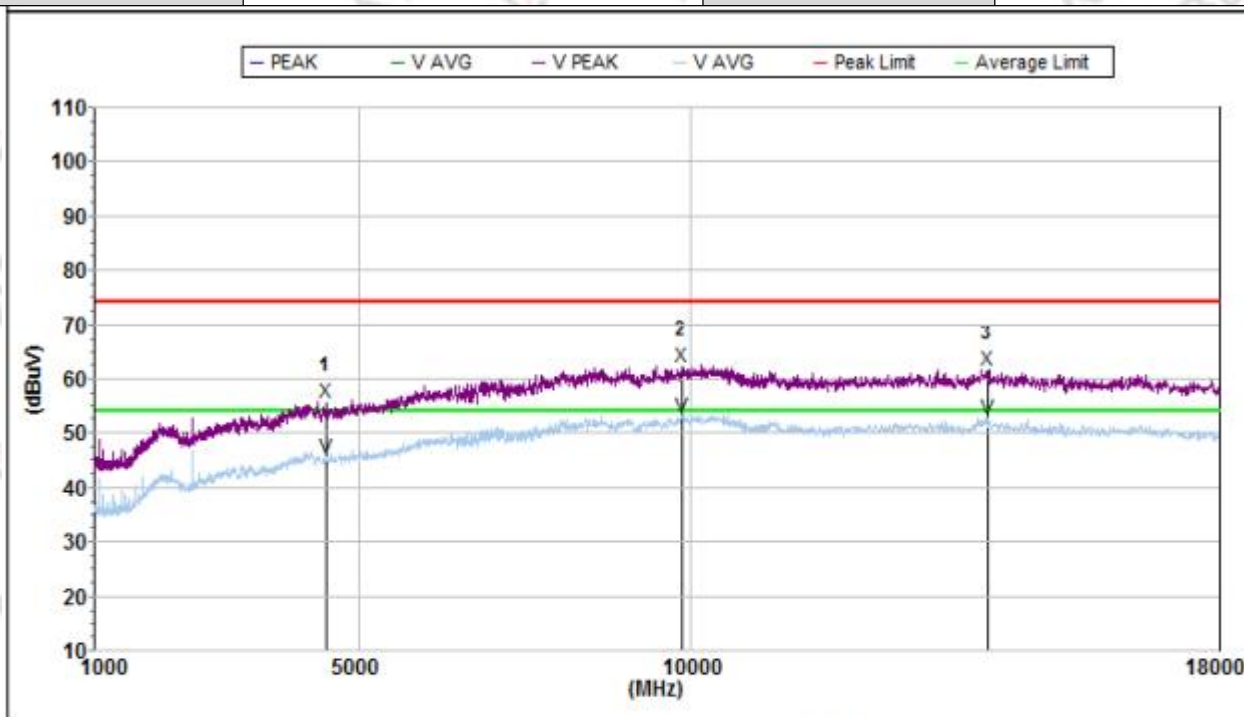
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak							
1	4275.000	60.7	-5.2	55.5	74.0	18.5	V
2	8604.000	59.8	2.3	62.1	74.0	11.9	V
3	14562.000	59.0	2.5	61.5	74.0	12.5	V
Avg							
1	4275.000	51.8	-5.2	46.6	54.0	7.4	V
2	8604.000	50.8	2.3	53.1	54.0	0.9	V
3	14562.000	49.6	2.5	52.1	54.0	1.9	V

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak:							
1	8400.000	59.4	-0.6	58.8	74.0	15.2	H
2	13842.000	60.1	2.5	62.6	74.0	11.4	H
3	17034.000	58.4	3.9	62.3	74.0	11.7	H
Avg							
1	8400.000	50.2	-0.6	49.6	54.0	4.4	H
2	13842.000	50.9	2.5	53.4	54.0	0.6	H
3	17034.000	49.4	3.9	53.3	54.0	0.7	H

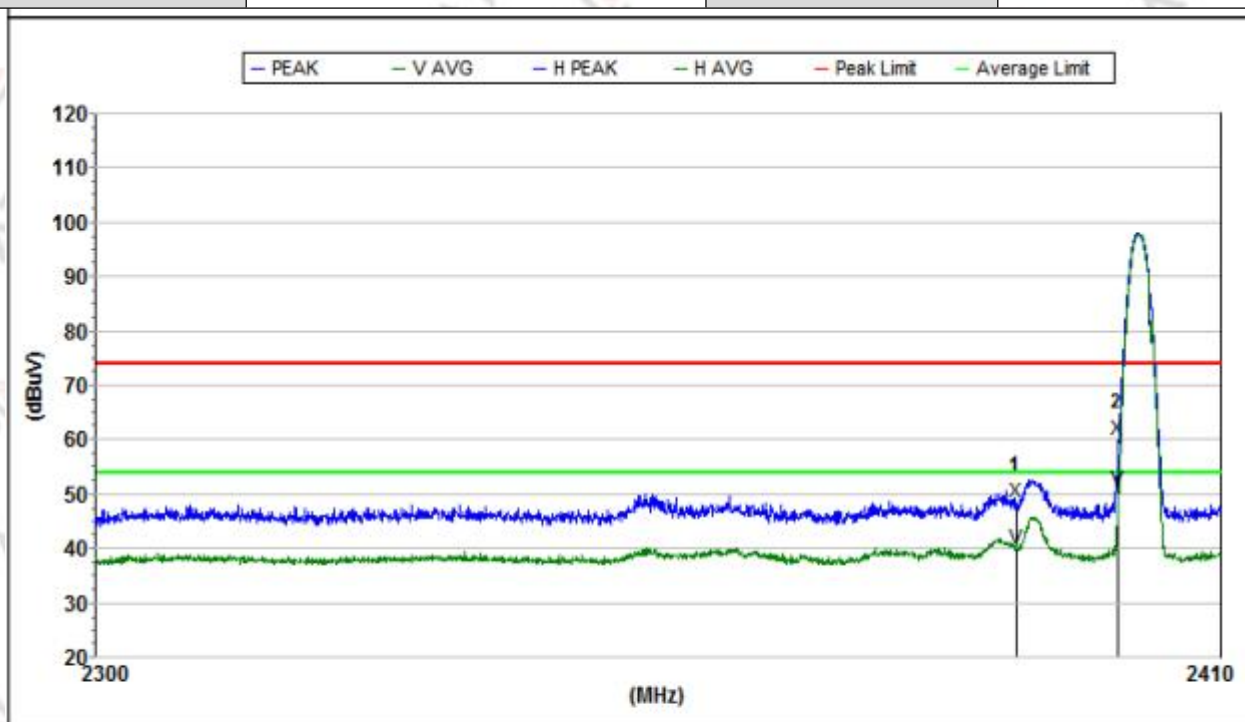
EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2480MHz	Antenna	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak							
1	4492.500	60.6	-5.0	55.6	74.0	18.4	V
2	9888.000	59.3	2.9	62.2	74.0	11.8	V
3	14484.000	59.2	2.6	61.8	74.0	12.2	V
Avg							
1	4492.500	50.6	-5.0	45.6	54.0	8.4	V
2	9888.000	50.2	2.9	53.1	54.0	0.9	V
3	14484.000	50.1	2.6	52.7	54.0	1.3	V

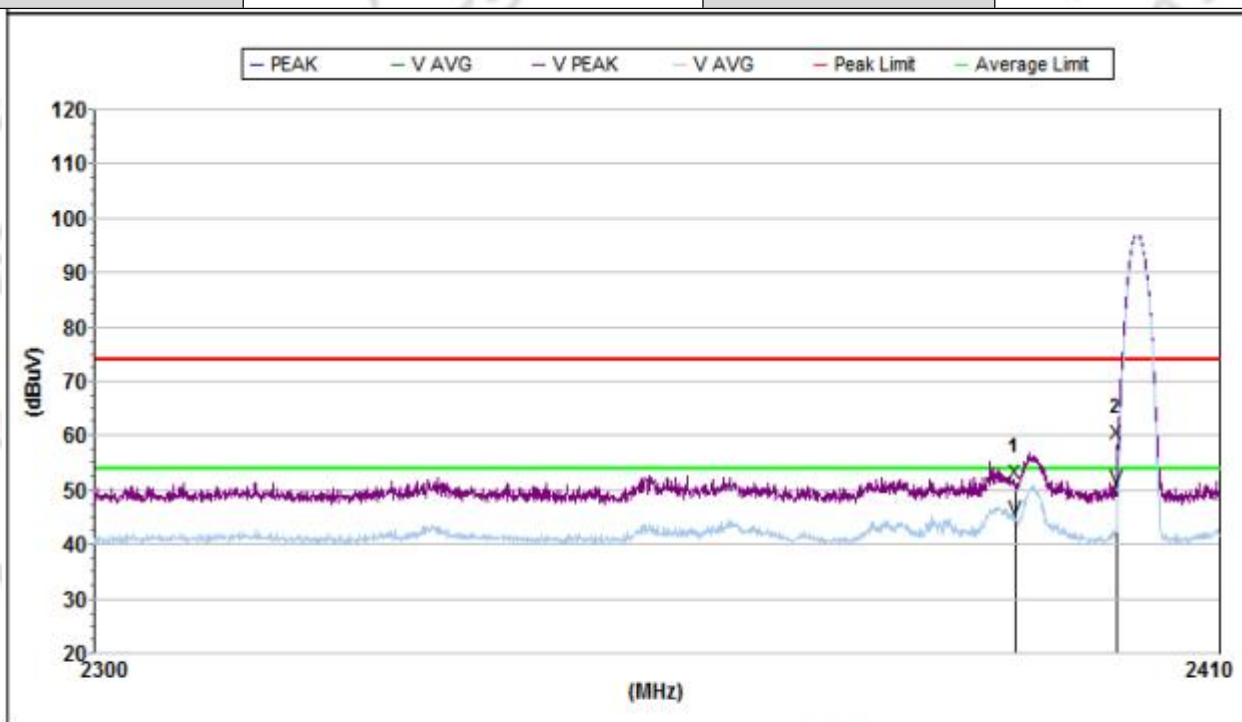
Restricted Band:

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5--2402MHz	Antenna	Horizontal



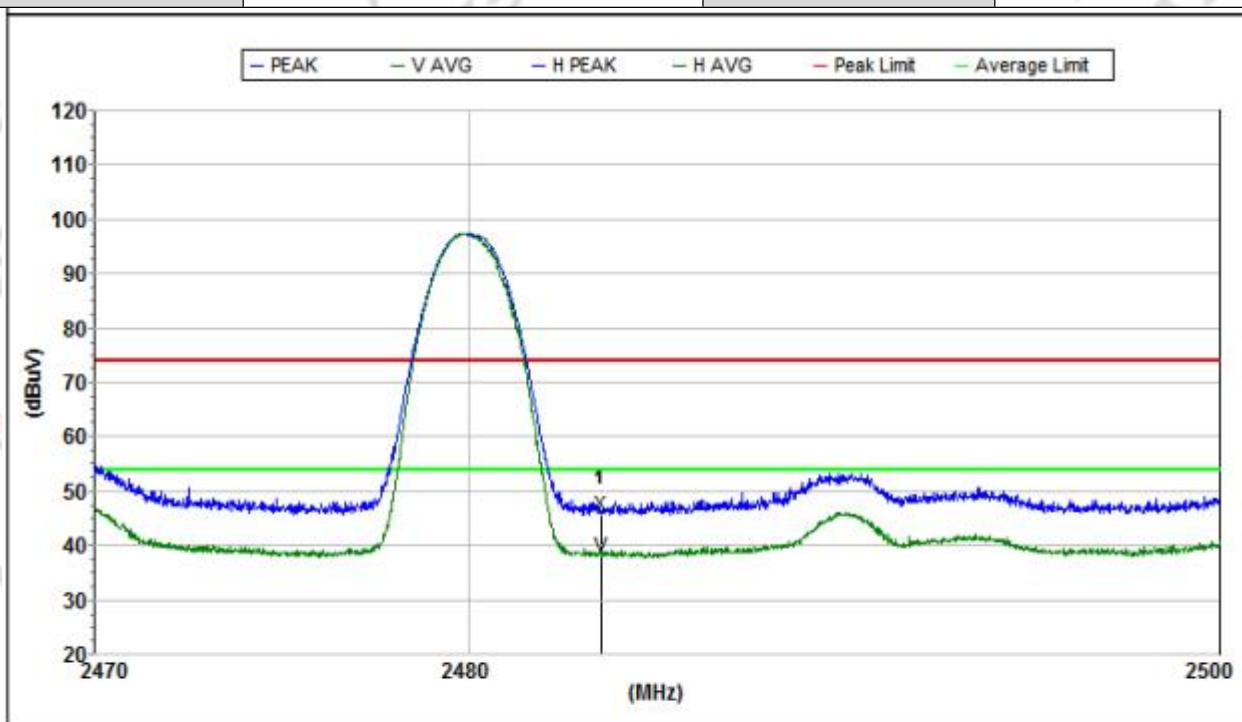
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak:							
1	2390.000	62.8	-14.2	48.6	74.0	25.4	H
2	2400.000	74.3	-14.2	60.1	74.0	13.9	H
Avg							
1	2390.000	54.2	-14.2	40.0	54.0	14.0	H
2	2400.000	65.1	-14.2	50.9	54.0	3.1	H

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2402MHz	Antenna	Vertical



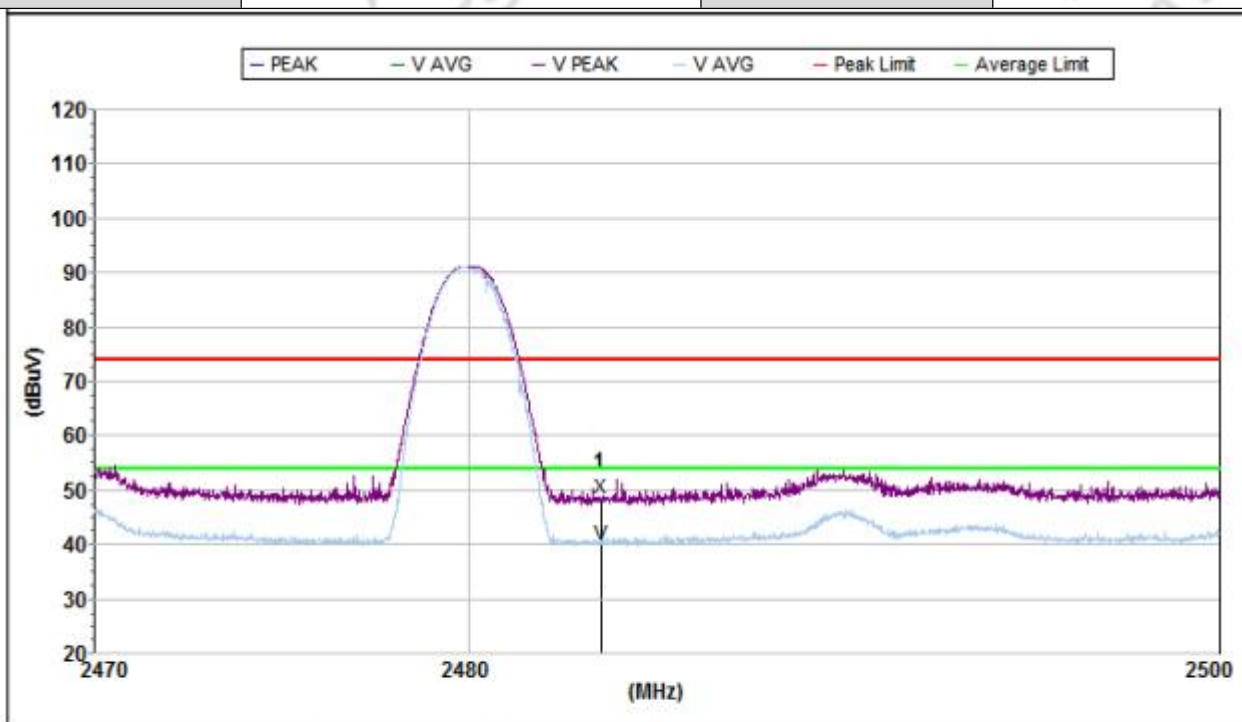
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak							
1	2390.000	62.6	-11.3	51.3	74.0	22.7	V
2	2400.000	70.0	-11.4	58.6	74.0	15.4	V
Avg							
1	2390.000	55.9	-11.3	44.6	54.0	9.4	V
2	2400.000	61.5	-11.4	50.1	54.0	3.9	V

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5--2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak							
1	2483.500	60.1	-14.3	45.8	74.0	28.2	H
Avg							
1	2483.500	52.4	-14.3	38.1	54.0	15.9	H

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2480MHz	Antenna	Vertical



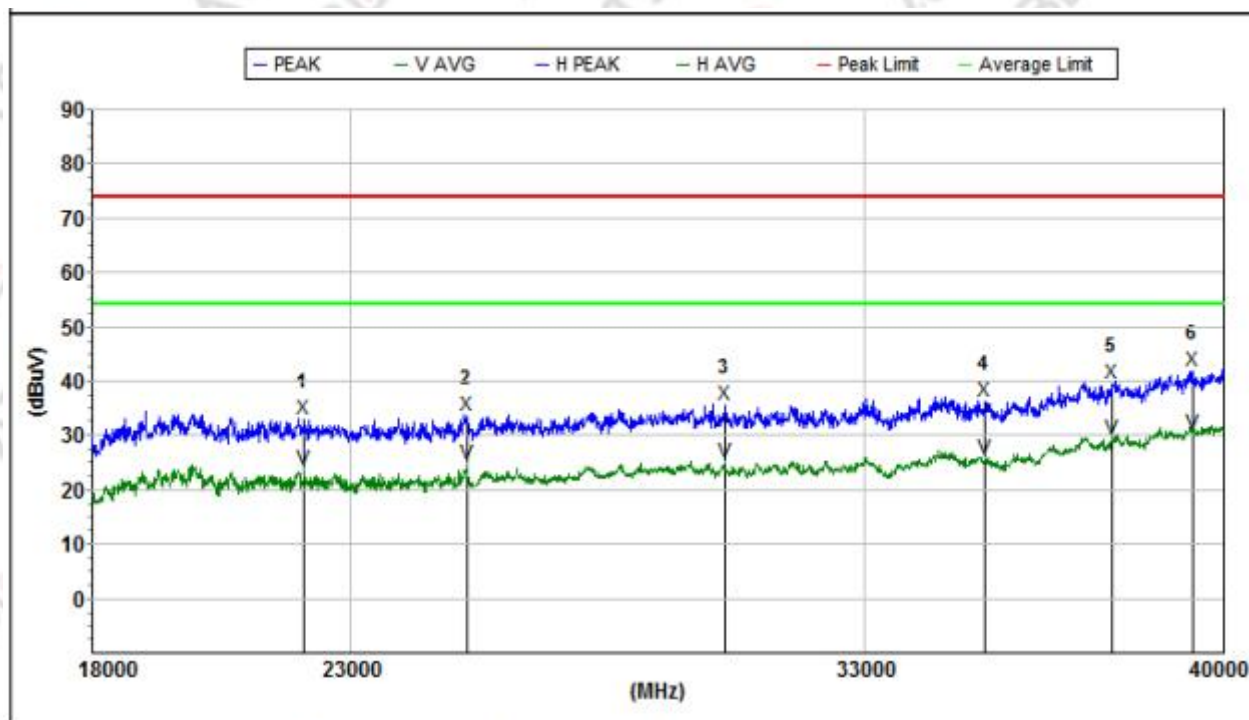
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak							
1	2483.500	60.4	-11.7	48.7	74.0	25.3	V
Avg							
1	2483.500	51.9	-11.7	40.2	54.0	13.8	V

18GHz-40GHz:

Note:

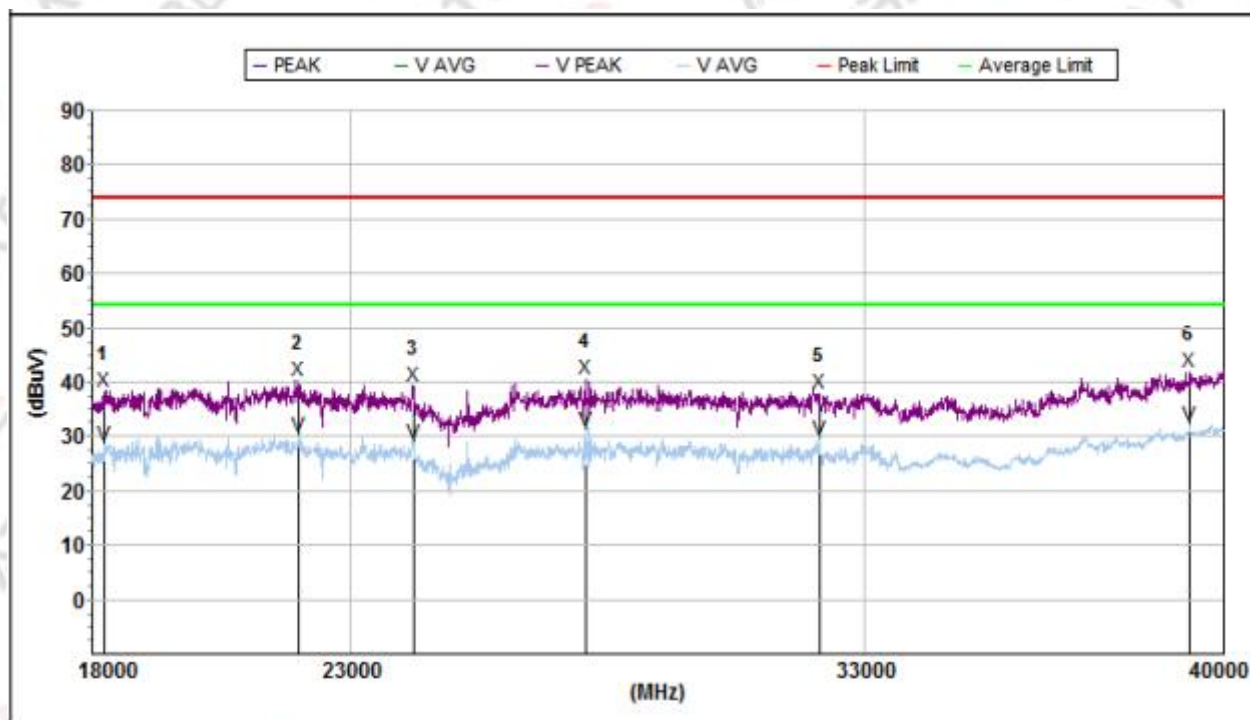
All modes have been tested, only worst (3DH5-2402MHz)mode was recorded in the test report.

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2402MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak:							
1	22114.000	54.8	-21.6	33.2	74.0	40.8	H
2	25293.000	53.2	-19.5	33.7	74.0	40.3	H
3	30298.000	52.8	-17.0	35.8	74.0	38.2	H
4	35347.000	54.9	-18.5	36.4	74.0	37.6	H
5	37833.000	56.2	-16.5	39.7	74.0	34.3	H
6	39406.000	57.2	-15.3	41.9	74.0	32.1	H
Avg							
1	22114.000	45.4	-21.6	23.8	54.0	30.2	H
2	25293.000	44.4	-19.5	24.9	54.0	29.1	H
3	30298.000	42.2	-17.0	25.2	54.0	28.8	H
4	35347.000	44.5	-18.5	26.0	54.0	28.0	H
5	37833.000	46.1	-16.5	29.6	54.0	24.4	H
6	39406.000	45.7	-15.3	30.4	54.0	23.6	H

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2402MHz	Antenna	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pd.
Peak:							
1	18242.000	38.4	0.0	38.4	74.0	35.6	V
2	22026.000	40.2	0.0	40.2	74.0	33.8	V
3	24248.000	39.4	0.0	39.4	74.0	34.6	V
4	27581.000	40.7	0.0	40.7	74.0	33.3	V
5	32135.000	38.0	0.0	38.0	74.0	36.0	V
6	39329.000	42.1	0.0	42.1	74.0	31.9	V
Avg							
1	18242.000	28.5	0.0	28.5	54.0	25.5	V
2	22026.000	30.0	0.0	30.0	54.0	24.0	V
3	24248.000	28.8	0.0	28.8	54.0	25.2	V
4	27581.000	31.2	0.0	31.2	54.0	22.8	V
5	32135.000	29.5	0.0	29.5	54.0	24.5	V
6	39329.000	32.0	0.0	32.0	54.0	22.0	V

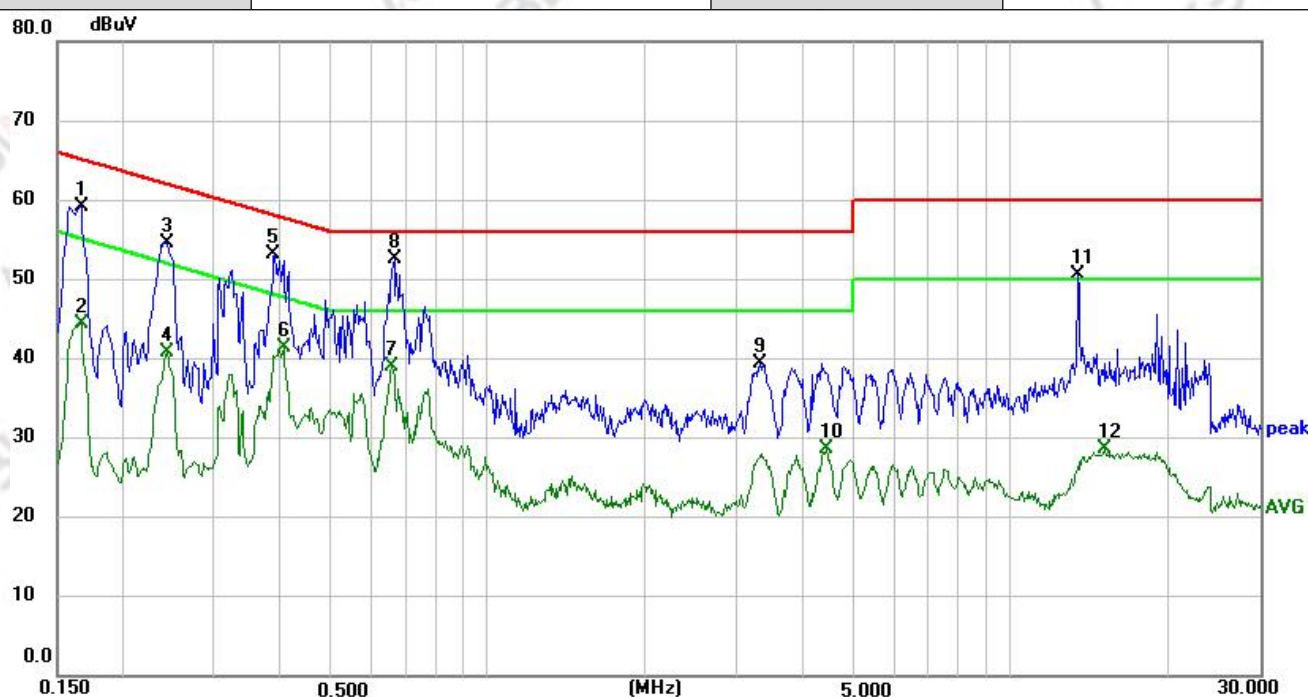
2.AC Power-Line Conducted Emission

Test Result

Note:

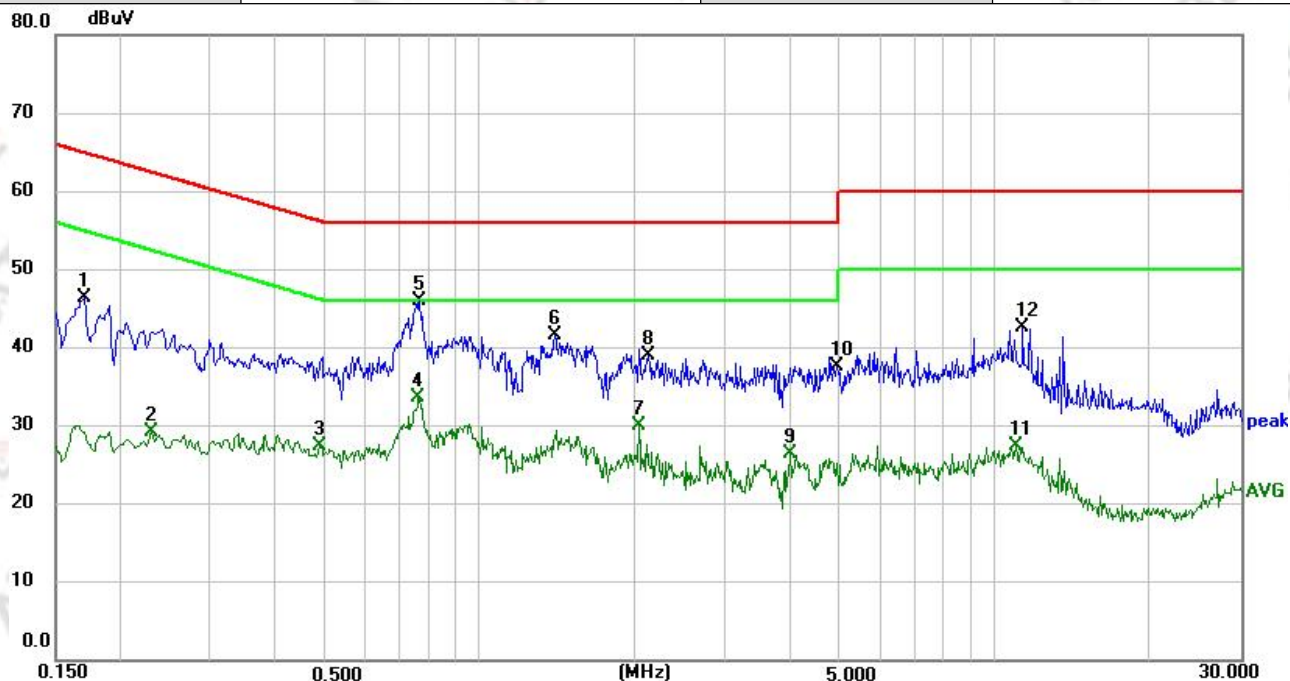
- 1.All modes have been tested, only worst mode(3DH5-2402MHz) was recorded in the test report.
- 2.Emission Level = Reading Value + Correction Factor .
3. Correction Factor = Insertion loss + Cable loss.
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2402MHz	Phase	L1



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	39.40	19.74	59.14	65.16	-6.02	peak
2	0.1660	24.58	19.74	44.32	55.16	-10.84	AVG
3	0.2420	34.76	19.73	54.49	62.03	-7.54	peak
4	0.2420	21.13	19.73	40.86	52.03	-11.17	AVG
5	0.3899	33.34	19.81	53.15	58.07	-4.92	peak
6	0.4060	21.62	19.82	41.44	47.73	-6.29	AVG
7	0.6540	19.14	19.93	39.07	46.00	-6.93	AVG
8 *	0.6620	32.70	19.93	52.63	56.00	-3.37	peak
9	3.3180	19.24	20.25	39.49	56.00	-16.51	peak
10	4.4540	8.37	20.34	28.71	46.00	-17.29	AVG
11	13.4380	28.91	21.59	50.50	60.00	-9.50	peak
12	15.1100	6.60	22.07	28.67	50.00	-21.33	AVG

EUT	Smart Phone	Model Name	Note70 X
Test Mode	3DH5-2402MHz	Phase	N



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1700	26.58	19.86	46.44	64.96	-18.52	peak
2	0.2300	9.20	19.97	29.17	52.45	-23.28	AVG
3	0.4900	7.86	19.57	27.43	46.17	-18.74	AVG
4	0.7620	13.92	19.75	33.67	46.00	-12.33	AVG
5 *	0.7660	26.19	19.75	45.94	56.00	-10.06	peak
6	1.4020	21.62	19.88	41.50	56.00	-14.50	peak
7	2.0340	9.99	20.07	30.06	46.00	-15.94	AVG
8	2.1300	18.92	20.07	38.99	56.00	-17.01	peak
9	4.0100	6.43	20.09	26.52	46.00	-19.48	AVG
10	4.9500	17.50	20.18	37.68	56.00	-18.32	peak
11	10.9900	6.52	20.96	27.48	50.00	-22.52	AVG
12	11.3180	21.58	21.00	42.58	60.00	-17.42	peak