

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:

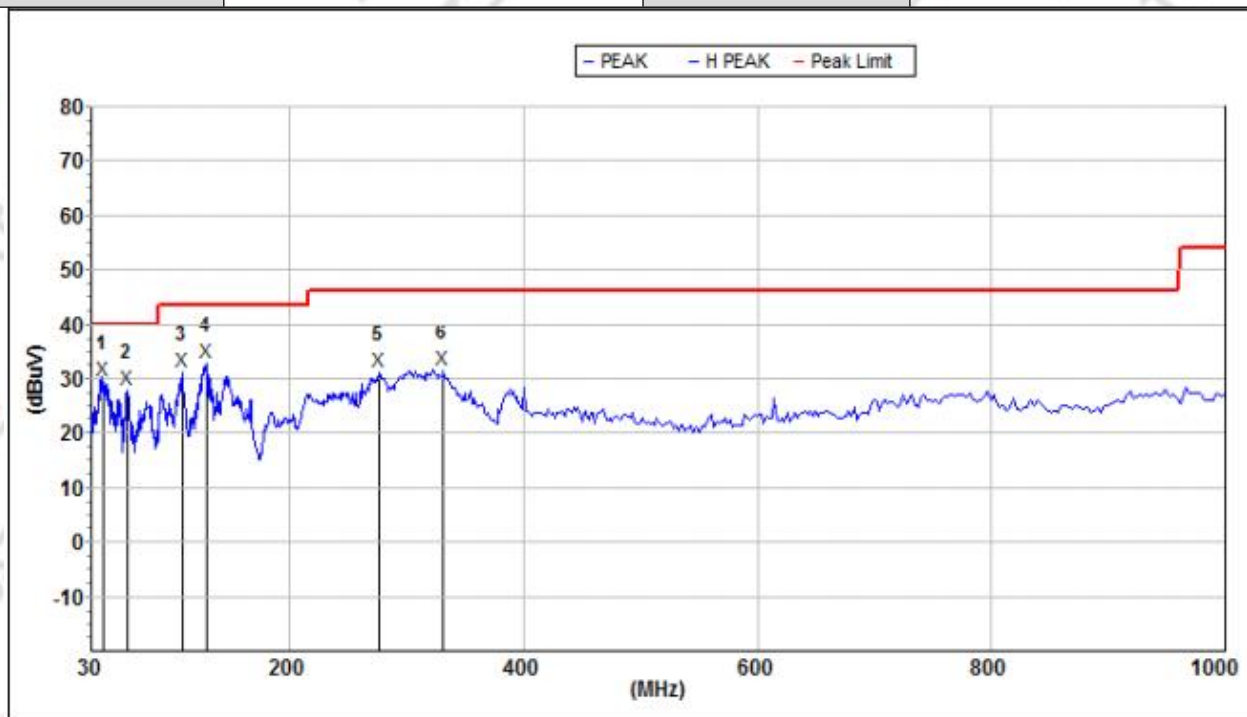
- 1.The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.
- 2.The all data rate modes had been test, but only worse test data was recorded in the test report.

Below 1GHz:

Note:

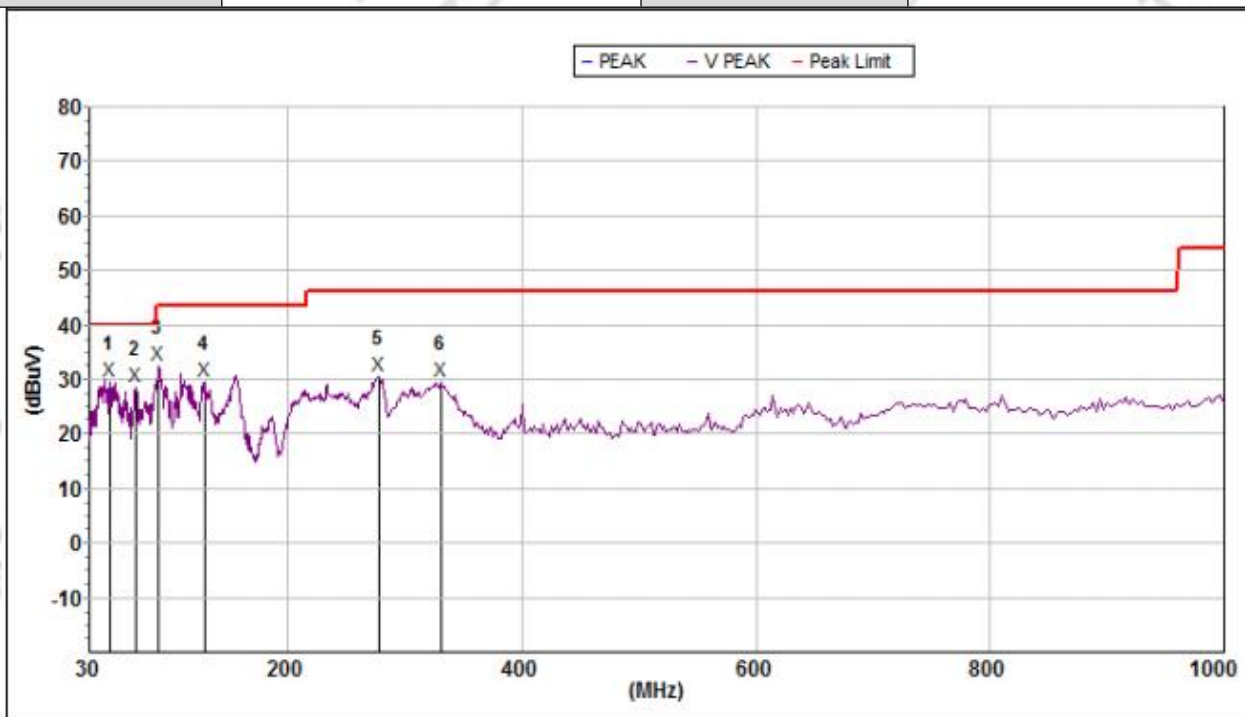
- 1.All modes have been tested, only worst (3DH5-2402MHz)mode was recorded in the test report.
- 2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
- 3.Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
- 4.The emission levels of other frequencies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

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5_2402MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	40.845	71.6	-41.8	29.8	40.0	10.2	H
2	60.704	72.6	-44.5	28.1	40.0	11.9	H
3	107.888	69.4	-38.1	31.3	43.5	12.2	H
4	128.113	66.6	-33.8	32.8	43.5	10.7	H
5	276.124	58.4	-27.0	31.4	46.0	14.6	H
6	331.355	57.4	-25.7	31.7	46.0	14.3	H

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5_2402MHz	Antenna	Vertical



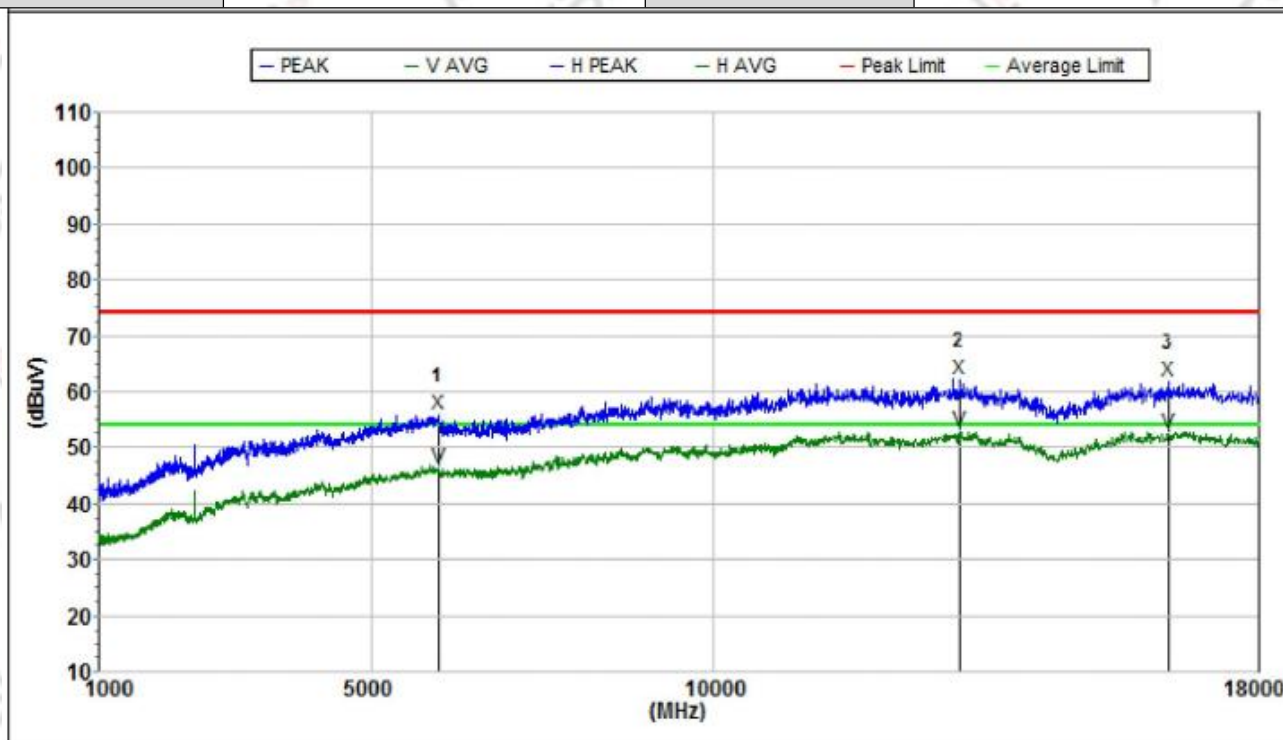
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	47.659	73.8	-44.2	29.6	40.0	10.4	V
2	69.600	73.6	-44.8	28.8	40.0	11.2	V
3	89.590	73.3	-40.7	32.6	43.5	10.9	V
4	128.113	67.2	-37.5	29.7	43.5	13.8	V
5	278.067	58.2	-27.6	30.6	46.0	15.4	V
6	330.195	55.7	-26.0	29.7	46.0	16.3	V

Above 1GHz:

Note:

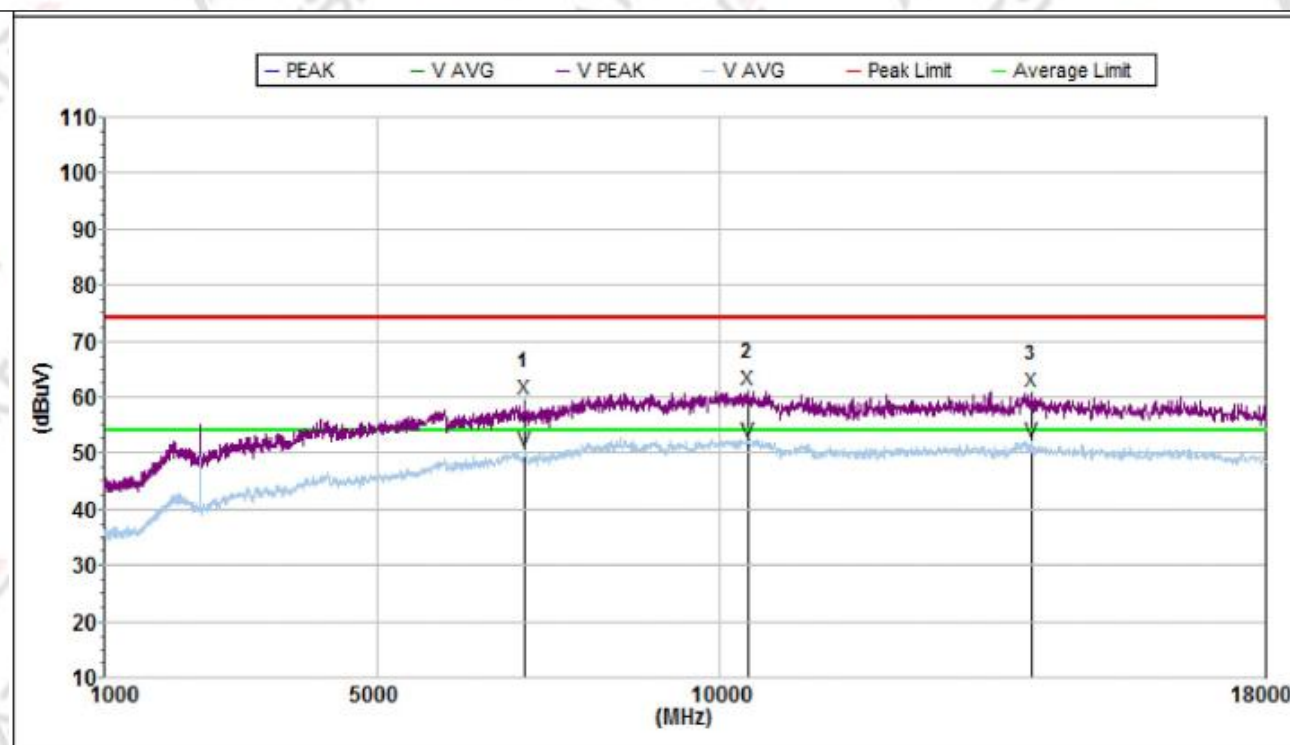
- 1.All modes have been tested, only worst (3DH5)mode was recorded in the test report.
- 2.We used the filter to test and the main frequency was filtered out.
- 3.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
4. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor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

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2402MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	5990.000	59.1	-3.1	56.0	74.0	18.0	H
2	13614.000	59.4	3.0	62.4	74.0	11.6	H
3	16686.000	58.2	3.8	62.0	74.0	12.0	H
Avg							
1	5990.000	49.5	-3.1	46.4	54.0	7.6	H
2	13614.000	50.0	3.0	53.0	54.0	1.0	H
3	16686.000	49.0	3.8	52.8	54.0	1.2	H

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2402MHz	Antenna	Vertical



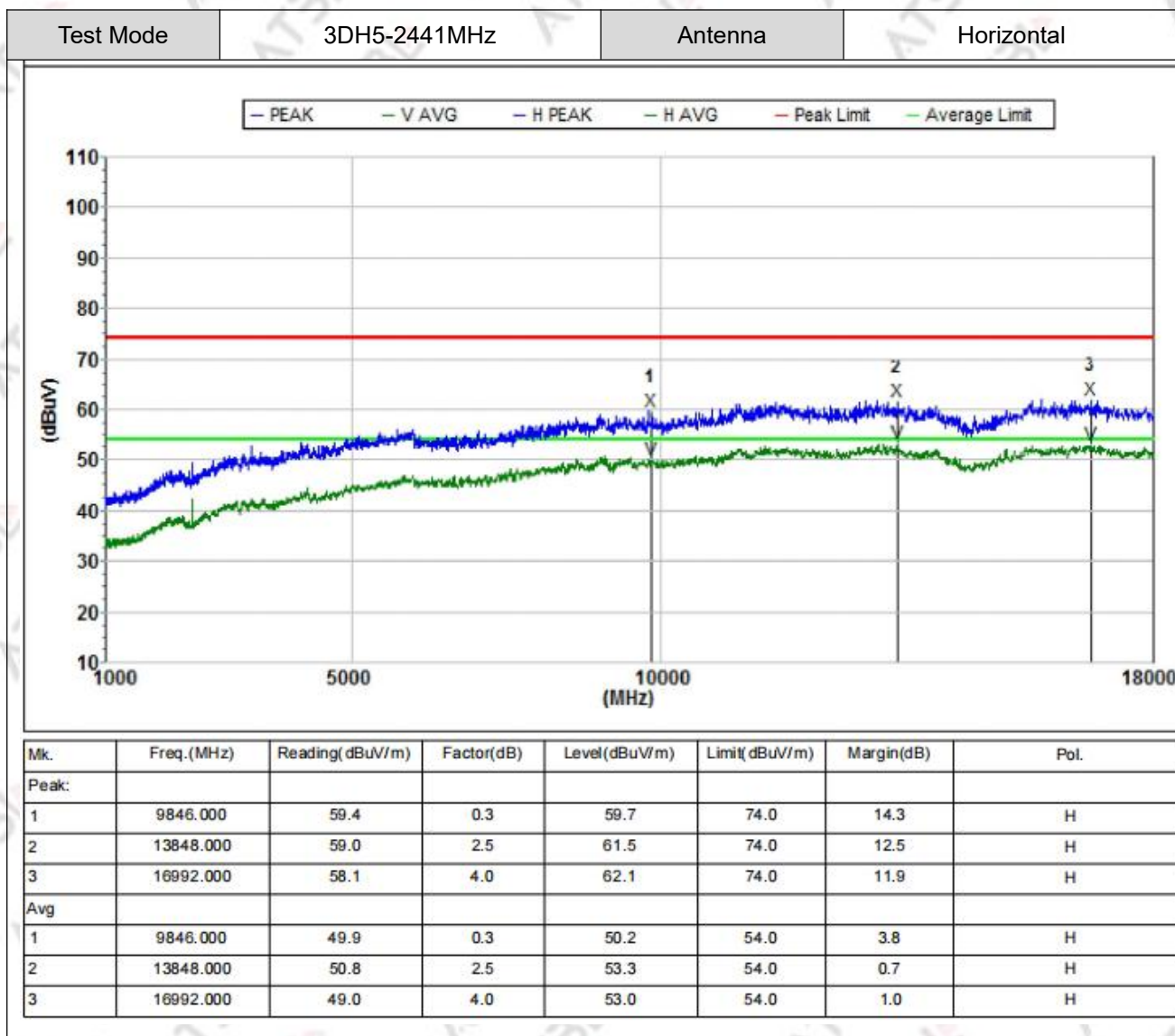
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	7164.000	59.0	0.7	59.7	74.0	14.3	V
2	10416.000	57.9	3.3	61.2	74.0	12.8	V
3	14586.000	58.7	2.4	61.1	74.0	12.9	V
Avg							
1	7164.000	49.7	0.7	50.4	54.0	3.6	V
2	10416.000	48.7	3.3	52.0	54.0	2.0	V
3	14586.000	49.7	2.4	52.1	54.0	1.9	V

EUT

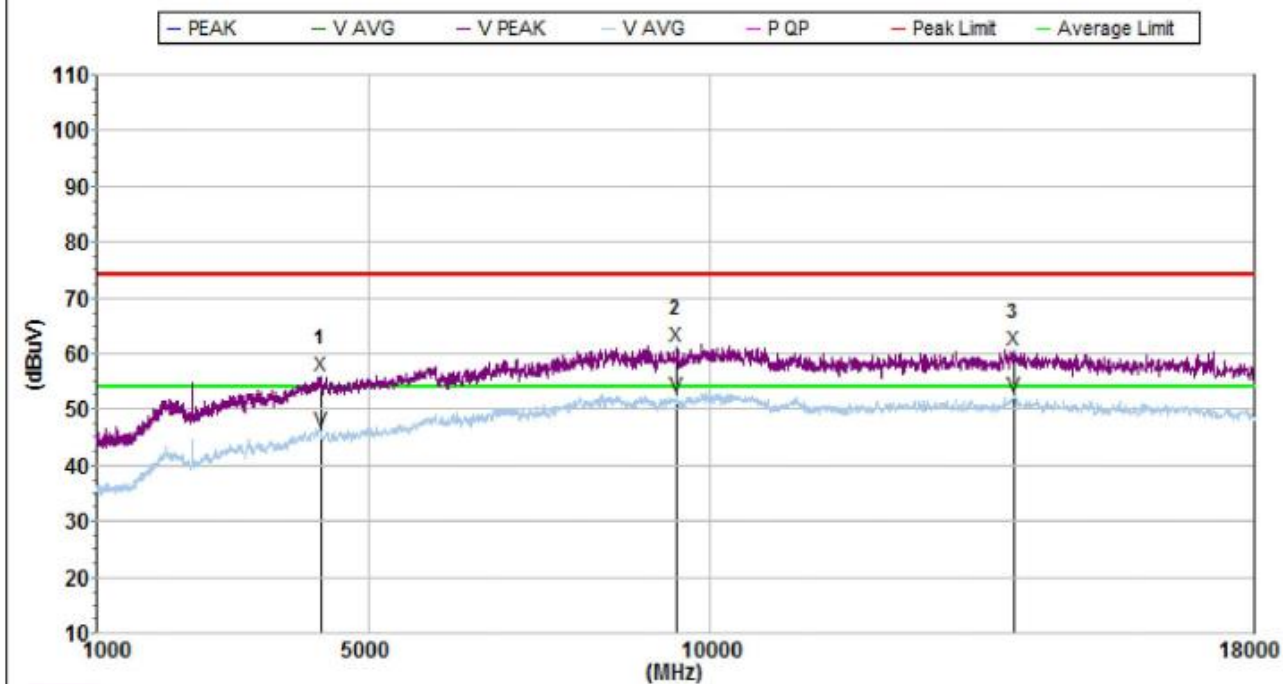
Obook Laptop

Model Name

ORICO-H1-15-680-12256-SV

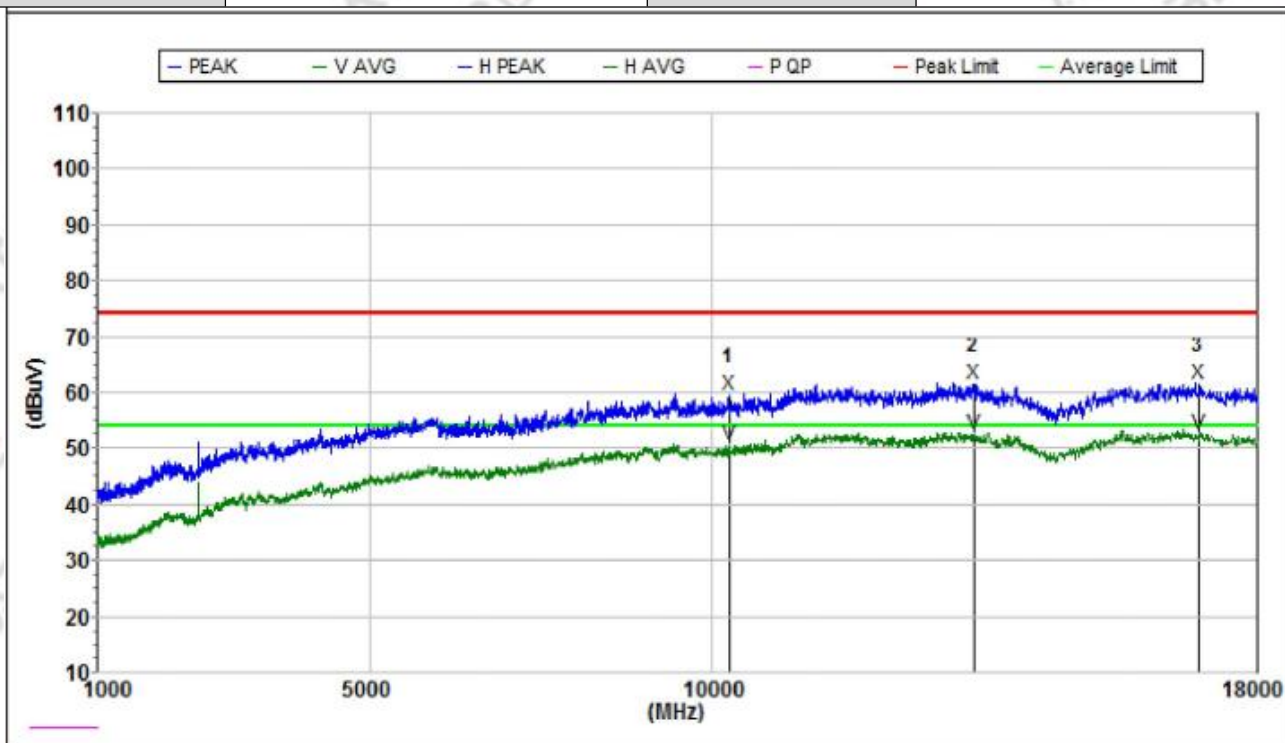


EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2441MHz	Antenna	Vertical



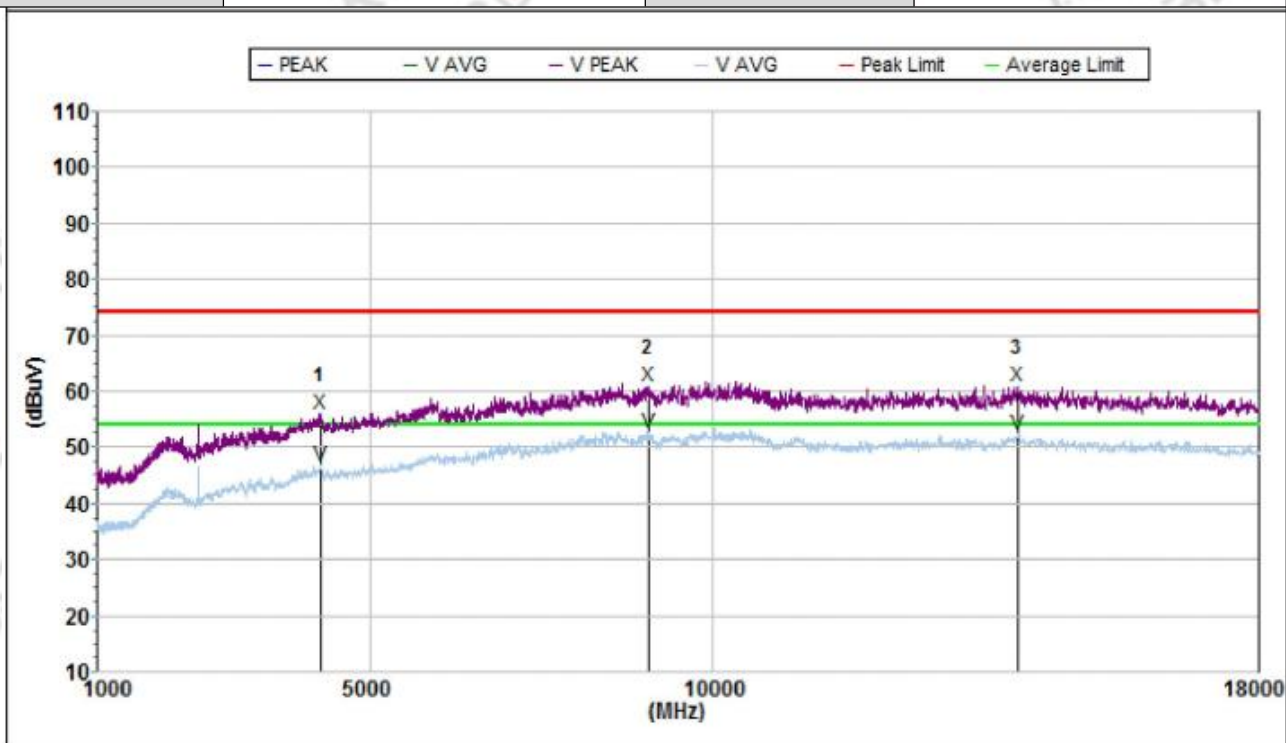
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4285.000	61.0	-5.1	55.9	74.0	18.1	V
2	9510.000	58.9	2.3	61.2	74.0	12.8	V
3	14460.000	58.3	2.5	60.8	74.0	13.2	V
Avg							
1	4285.000	51.4	-5.1	46.3	54.0	7.7	V
2	9510.000	50.0	2.3	52.3	54.0	1.7	V
3	14460.000	49.8	2.5	52.3	54.0	1.7	V

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	10260.000	59.0	0.7	59.7	74.0	14.3	H
2	13842.000	59.1	2.5	61.6	74.0	12.4	H
3	17154.000	57.7	3.8	61.5	74.0	12.5	H
Avg							
1	10260.000	50.2	0.7	50.9	54.0	3.1	H
2	13842.000	50.4	2.5	52.9	54.0	1.1	H
3	17154.000	49.0	3.8	52.8	54.0	1.2	H

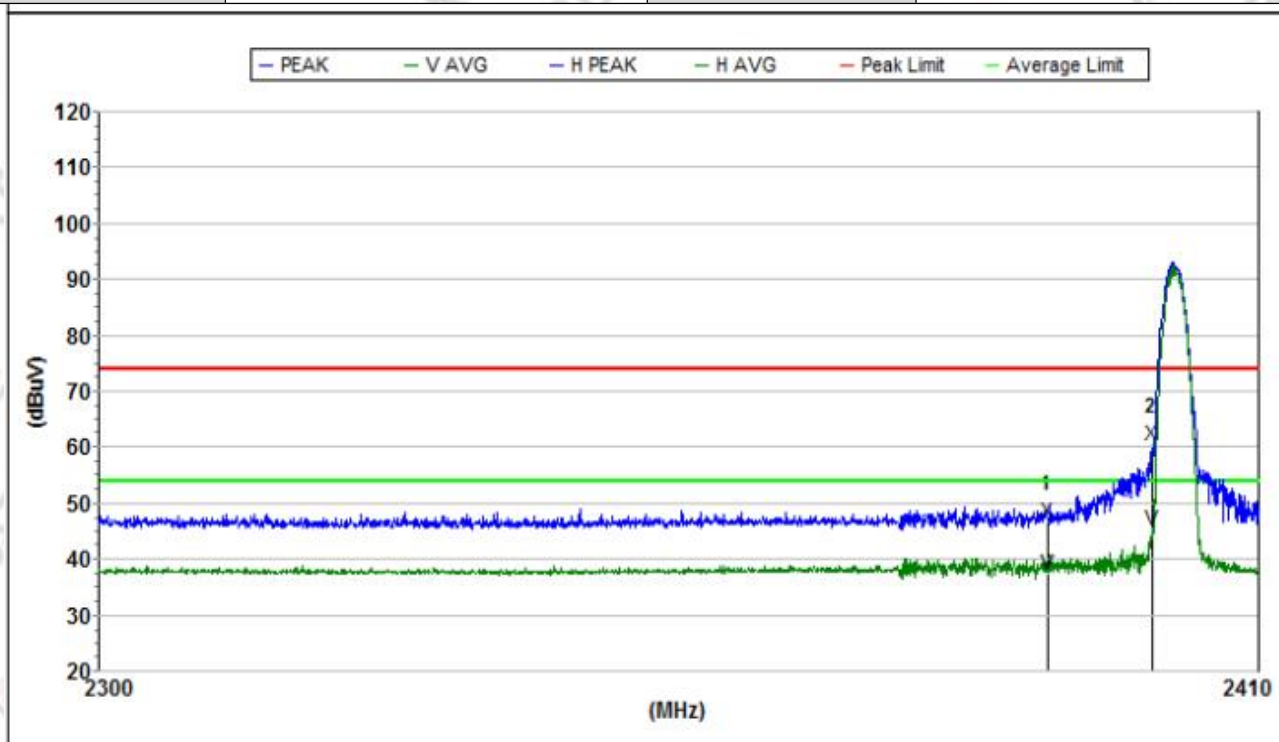
EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2480MHz	Antenna	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4267.500	61.2	-5.2	56.0	74.0	18.0	V
2	9060.000	59.0	2.0	61.0	74.0	13.0	V
3	14478.000	58.5	2.5	61.0	74.0	13.0	V
Avg							
1	4267.500	52.2	-5.2	47.0	54.0	7.0	V
2	9060.000	50.9	2.0	52.9	54.0	1.1	V
3	14478.000	50.0	2.5	52.5	54.0	1.5	V

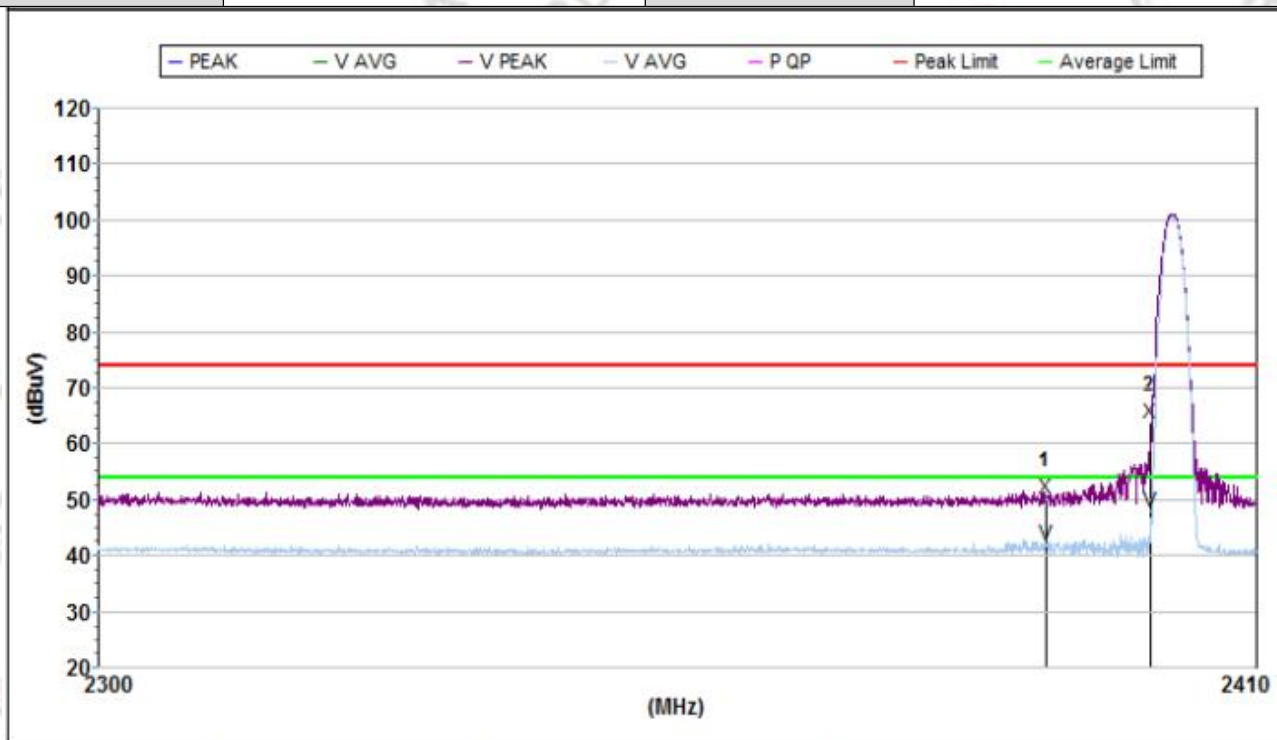
Restricted Band:

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5--2402MHz	Antenna	Horizontal



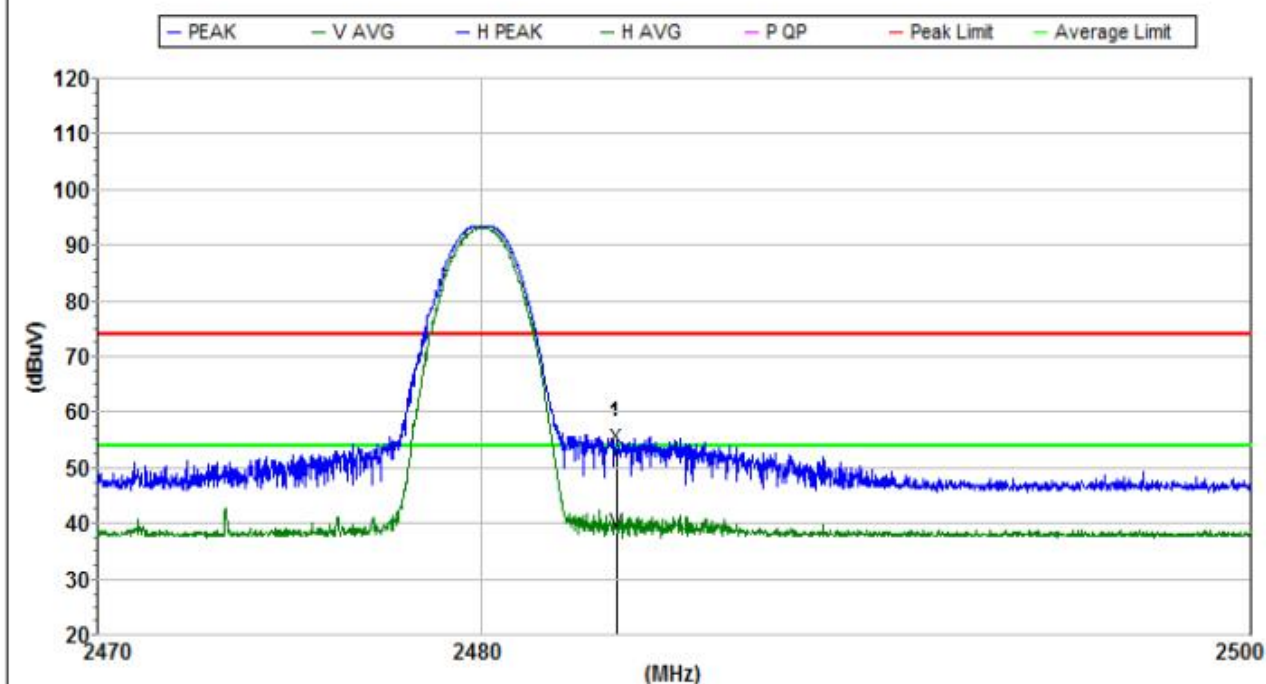
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	60.9	-14.2	46.7	74.0	27.3	H
2	2400.000	74.6	-14.2	60.4	74.0	13.6	H
Avg							
1	2390.000	51.6	-14.2	37.4	54.0	16.6	H
2	2400.000	59.6	-14.2	45.4	54.0	8.6	H

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2402MHz	Antenna	Vertical



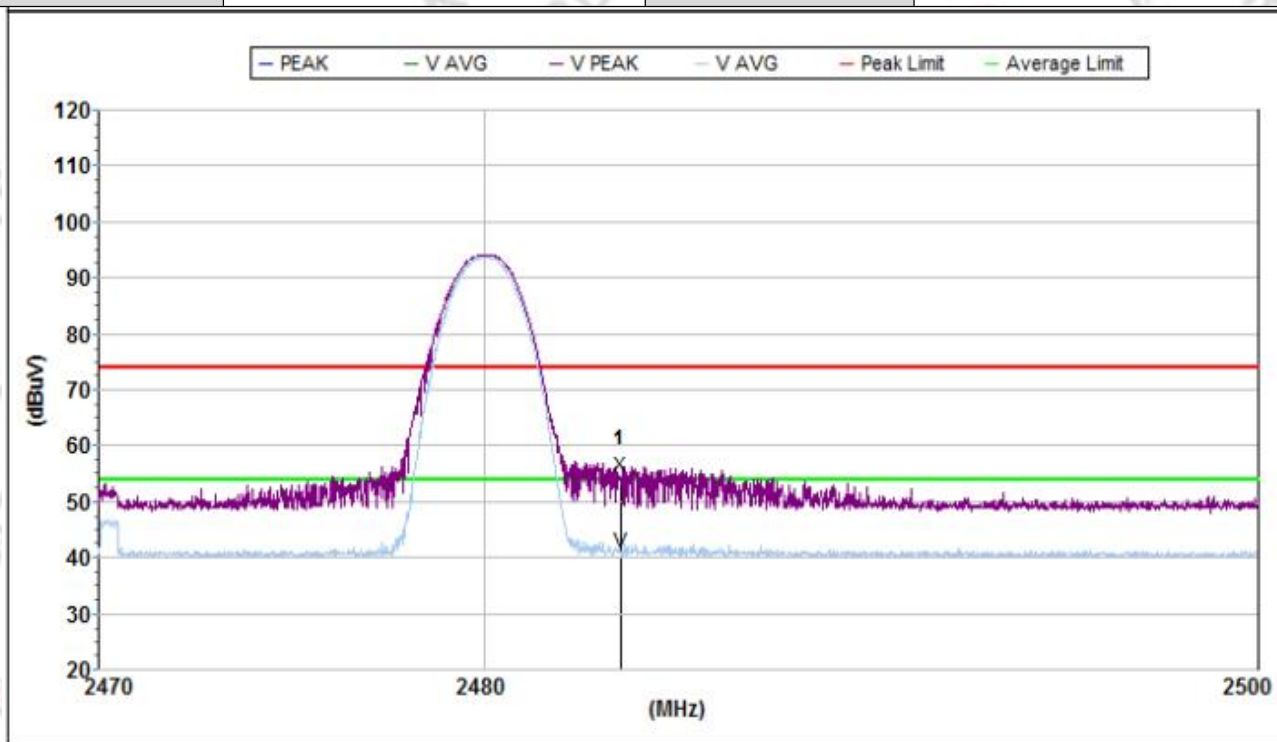
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	61.7	-11.3	50.4	74.0	23.6	V
2	2400.000	75.1	-11.4	63.7	74.0	10.3	V
Avg							
1	2390.000	53.3	-11.3	42.0	54.0	12.0	V
2	2400.000	59.4	-11.4	48.0	54.0	6.0	V

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5--2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2483.500	67.7	-14.3	53.4	74.0	20.6	H
Avg							
1	2483.500	52.6	-14.3	38.3	54.0	15.7	H

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2480MHz	Antenna	Vertical



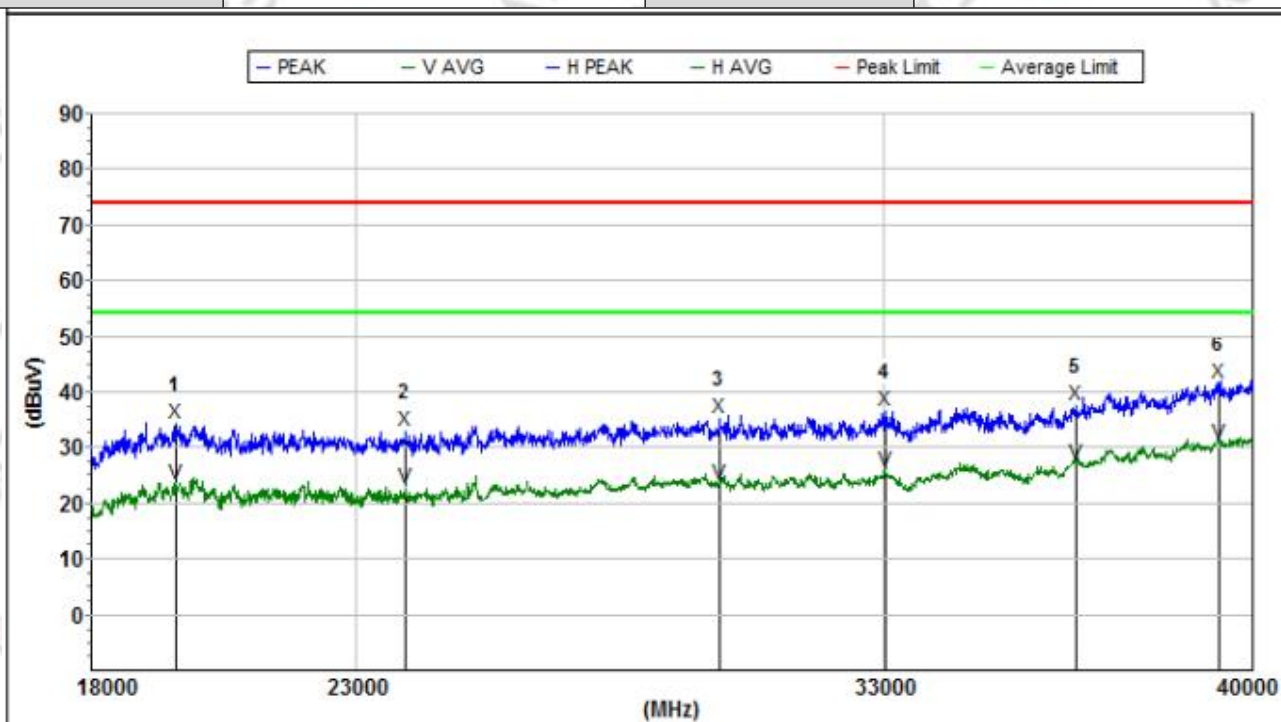
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2483.500	66.0	-11.6	54.4	74.0	19.6	V
Avg							
1	2483.500	52.6	-11.6	41.0	54.0	13.0	V

18GHz-40GHz:

Note:

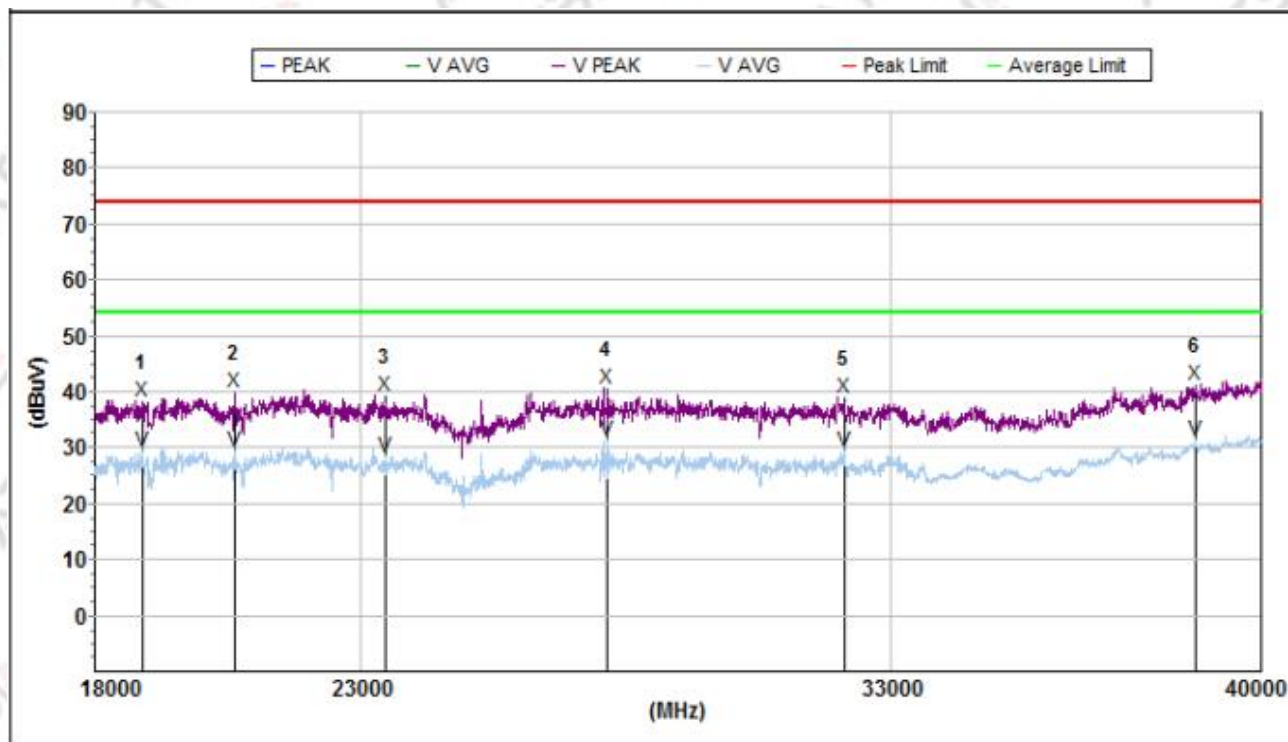
All modes have been tested, only worst (3DH5-2402MHz)mode was recorded in the test report.

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2402MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	19606.000	55.9	-21.4	34.5	74.0	39.5	H
2	23951.000	54.5	-21.4	33.1	74.0	40.9	H
3	29902.000	52.1	-16.7	35.4	74.0	38.6	H
4	33037.000	53.4	-16.6	36.8	74.0	37.2	H
5	36656.000	55.4	-17.6	37.8	74.0	36.2	H
6	39373.000	57.1	-15.3	41.8	74.0	32.2	H
Avg							
1	19606.000	45.1	-21.4	23.7	54.0	30.3	H
2	23951.000	44.4	-21.4	23.0	54.0	31.0	H
3	29902.000	40.4	-16.7	23.7	54.0	30.3	H
4	33037.000	42.5	-16.6	25.9	54.0	28.1	H
5	36656.000	44.8	-17.6	27.2	54.0	26.8	H
6	39373.000	46.1	-15.3	30.8	54.0	23.2	H

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2402MHz	Antenna	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	18891.000	38.2	0.0	38.2	74.0	35.8	V
2	20629.000	39.9	0.0	39.9	74.0	34.1	V
3	23478.000	39.2	0.0	39.2	74.0	34.8	V
4	27658.000	40.7	0.0	40.7	74.0	33.3	V
5	32135.000	39.0	0.0	39.0	74.0	35.0	V
6	38768.000	41.3	0.0	41.3	74.0	32.7	V
Avg							
1	18891.000	29.6	0.0	29.6	54.0	24.4	V
2	20629.000	29.4	0.0	29.4	54.0	24.6	V
3	23478.000	28.6	0.0	28.6	54.0	25.4	V
4	27658.000	31.5	0.0	31.5	54.0	22.5	V
5	32135.000	29.5	0.0	29.5	54.0	24.5	V
6	38768.000	31.4	0.0	31.4	54.0	22.6	V

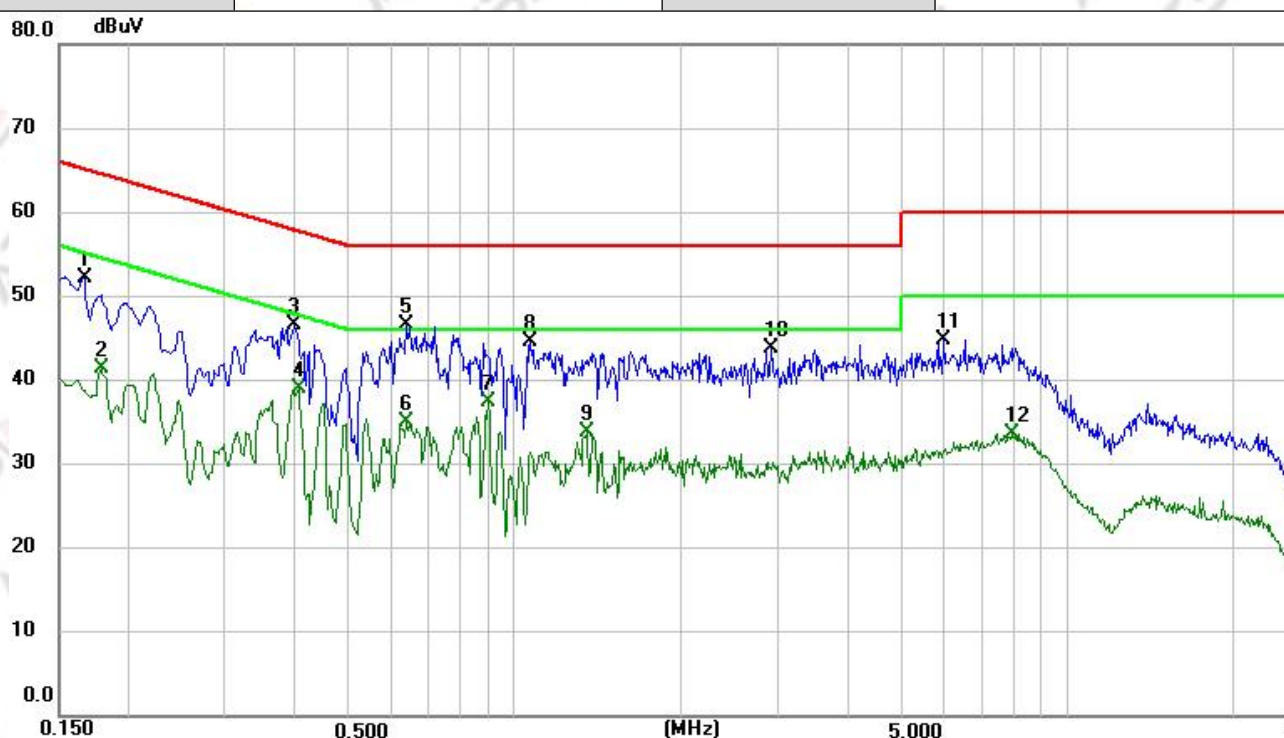
2.AC Power-Line Conducted Emission

Test Result

Note:

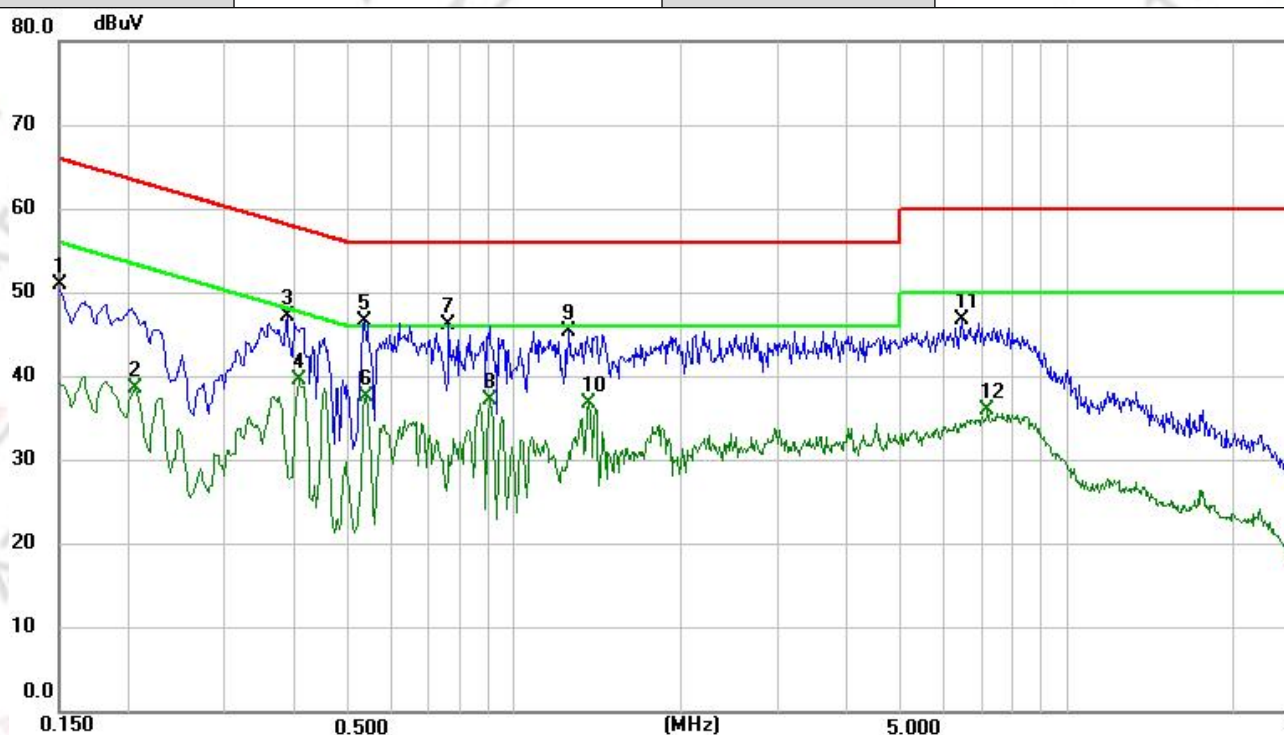
- 1.All modes have been tested, only worst mode(3DH5-2402MHz) was recorded in the test report.
- 2.Emission Level = Reading Value + Correction Factor .
3. Correction Factor = Insertion loss + Cable loss.
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin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

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2402MHz	Phase	L1



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	32.65	19.57	52.22	65.16	-12.94	peak
2	0.1780	21.89	19.59	41.48	54.58	-13.10	AVG
3	0.3980	27.07	19.52	46.59	57.90	-11.31	peak
4	0.4060	19.48	19.51	38.99	47.73	-8.74	AVG
5	0.6380	27.29	19.38	46.67	56.00	-9.33	peak
6	0.6380	15.63	19.38	35.01	46.00	-10.99	AVG
7 *	0.8980	18.02	19.48	37.50	46.00	-8.50	AVG
8	1.0700	25.01	19.57	44.58	56.00	-11.42	peak
9	1.3460	14.24	19.59	33.83	46.00	-12.17	AVG
10	2.9020	24.28	19.59	43.87	56.00	-12.13	peak
11	5.9699	25.36	19.49	44.85	60.00	-15.15	peak
12	7.9100	14.09	19.53	33.62	50.00	-16.38	AVG

EUT	Obook Laptop	Model Name	ORICO-H1-15-680-12256-SV
Test Mode	3DH5-2402MHz	Phase	N



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	31.40	19.55	50.95	66.00	-15.05	peak
2	0.2060	18.90	19.62	38.52	53.37	-14.85	AVG
3	0.3860	27.73	19.53	47.26	58.15	-10.89	peak
4 *	0.4060	20.01	19.51	39.52	47.73	-8.21	AVG
5	0.5340	27.10	19.48	46.58	56.00	-9.42	peak
6	0.5380	18.03	19.49	37.52	46.00	-8.48	AVG
7	0.7620	26.51	19.63	46.14	56.00	-9.86	peak
8	0.9020	17.68	19.58	37.26	46.00	-8.74	AVG
9	1.2540	25.85	19.56	45.41	56.00	-10.59	peak
10	1.3660	17.29	19.56	36.85	46.00	-9.15	AVG
11	6.4260	27.27	19.52	46.79	60.00	-13.21	peak
12	7.1500	16.50	19.51	36.01	50.00	-13.99	AVG