

Appendix B_Radiated Data for BR_EDR:**1.Radiated Spurious Emission and Restricted Band**

Test Result

Radiated Spurious Emission:

For 9 kHz ~ 30 MHz

Note:

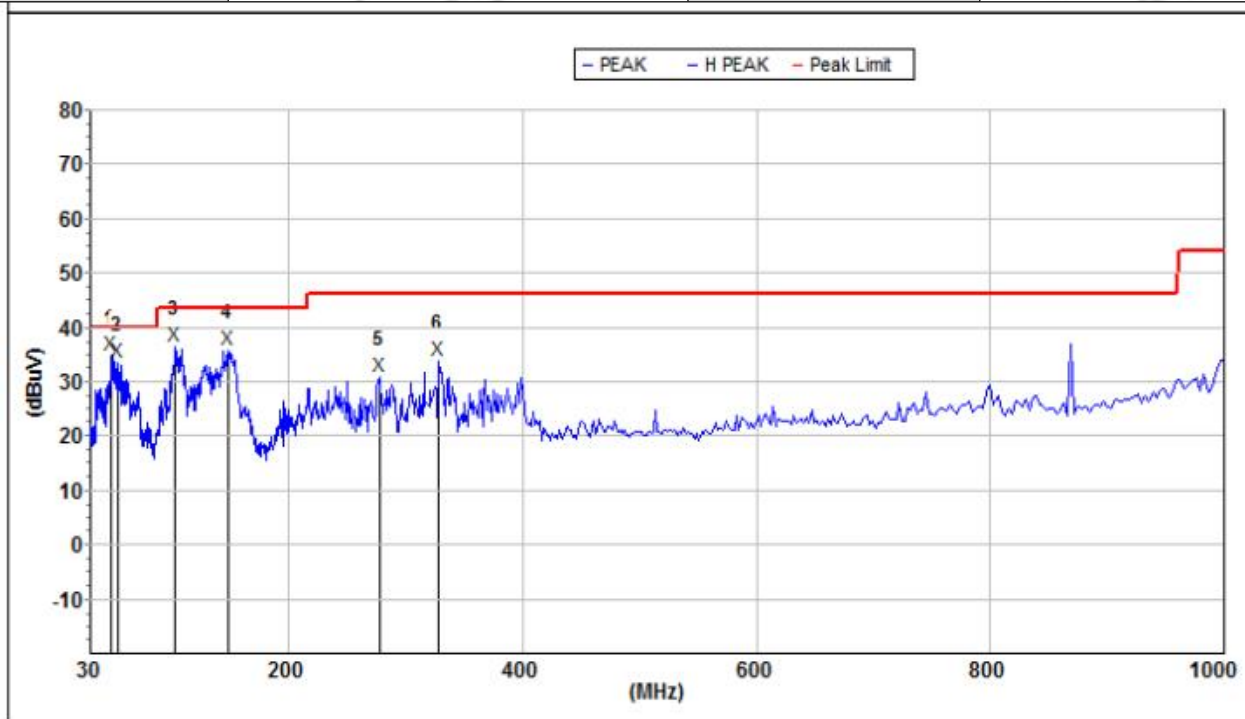
- 1.The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.
- 2.The all data rate modes had been test, but only worse test data was recorded in the test report.

Below 1GHz:

Note:

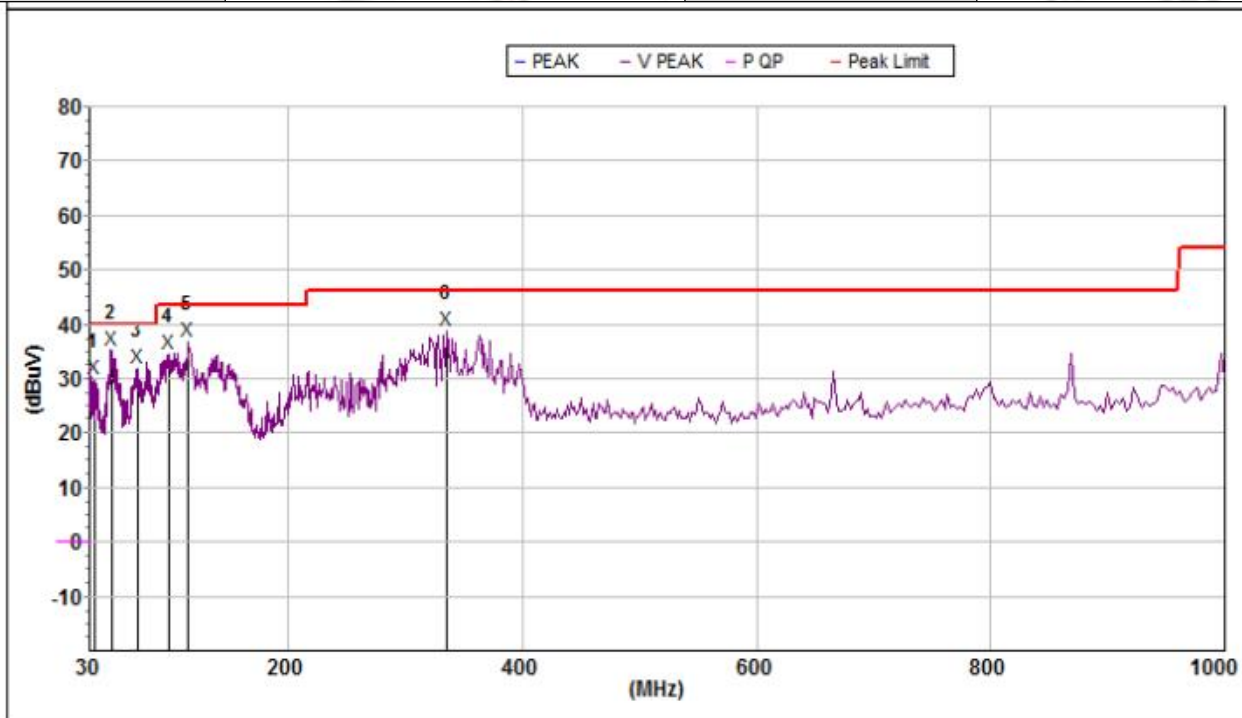
- 1.All modes have been tested, only worst (DH5-2441MHz)mode was recorded in the test report.
- 2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
- 3.Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
- 4.The emission levels of other frequencies were less than 20dB margin against the limit.
- 5.Margin value = Emission level-Limit value.

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5_2441MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	48.332	77.3	-42.3	35.0	40.0	5.0	H
2	53.693	76.0	-42.5	33.5	40.0	6.5	H
3	102.001	75.8	-39.3	36.5	43.5	7.0	H
4	147.921	70.7	-34.7	36.0	43.5	7.5	H
5	277.094	58.0	-27.1	30.9	46.0	15.1	H
6	327.887	59.7	-25.9	33.8	46.0	12.2	H

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5_2441MHz	Antenna	Vertical



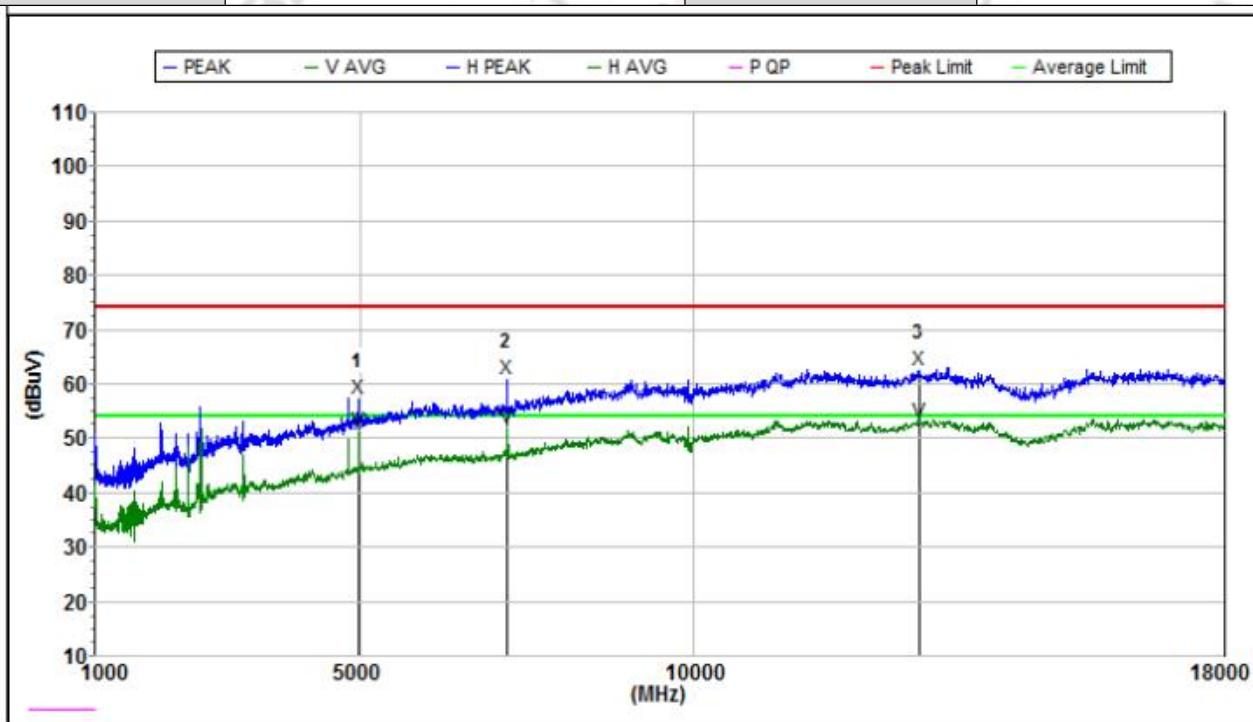
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	34.517	76.5	-46.6	29.9	40.0	10.1	V
2	48.502	79.3	-44.1	35.2	40.0	4.8	V
3	71.080	76.7	-44.6	32.1	40.0	7.9	V
4	98.487	72.1	-37.5	34.6	43.5	8.9	V
5	113.714	69.0	-32.1	36.9	43.5	6.6	V
6	334.859	64.5	-25.6	38.9	46.0	7.1	V

1GHz-18GHz:

Note:

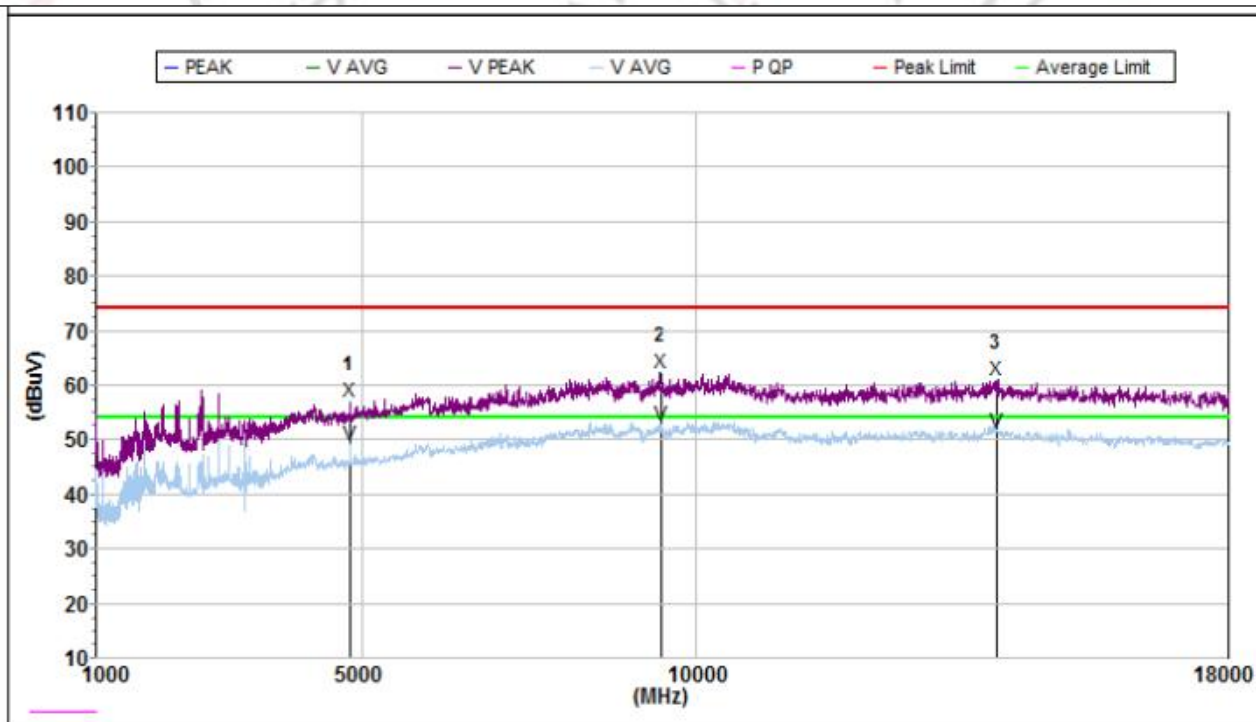
- 1.All modes have been tested, only worst (DH5)mode was recorded in the test report.
- 2.We used the filter to test and the main frequency was filtered out.
- 3.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
4. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor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

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2402MHz	Antenna	Horizontal



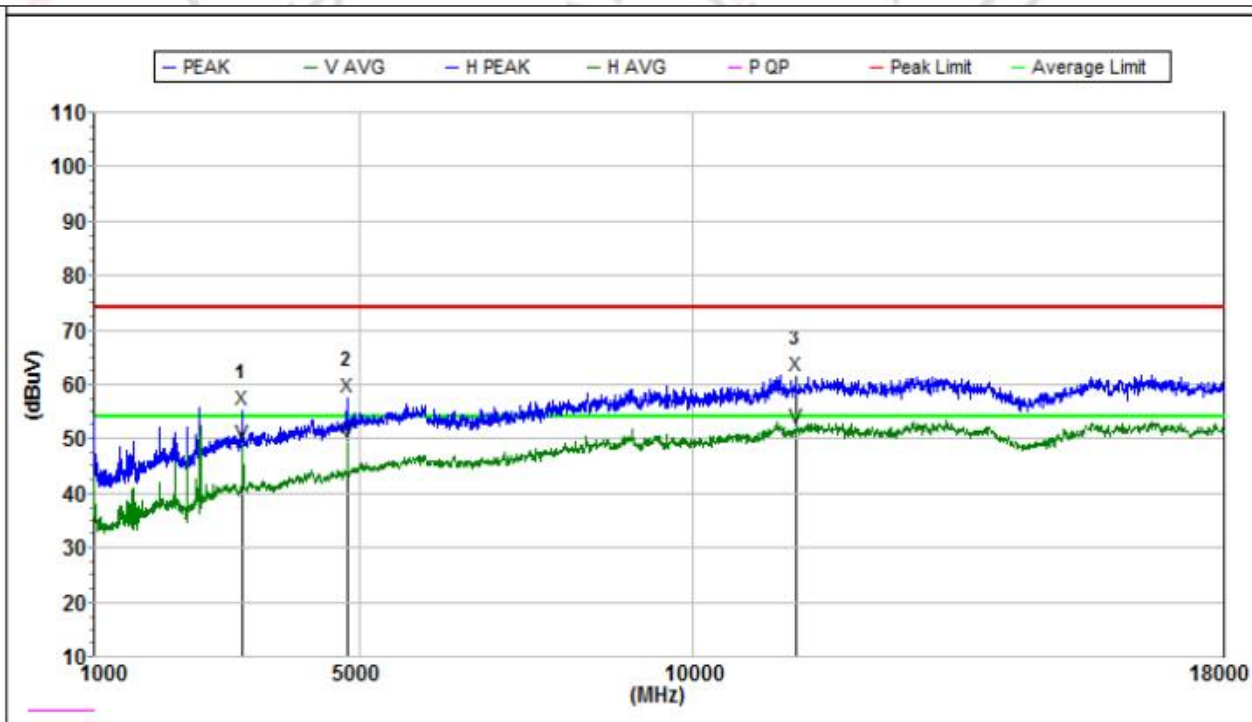
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4962.500	62.9	-5.6	57.3	74.0	16.7	H
2	7212.000	63.6	-2.6	61.0	74.0	13.0	H
3	13416.000	59.7	3.0	62.7	74.0	11.3	H
Avg							
1	4962.500	57.2	-5.6	51.6	54.0	2.4	H
2	7212.000	54.7	-2.6	52.1	54.0	1.9	H
3	13416.000	50.2	3.0	53.2	54.0	0.8	H

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2402MHz	Antenna	Vertical



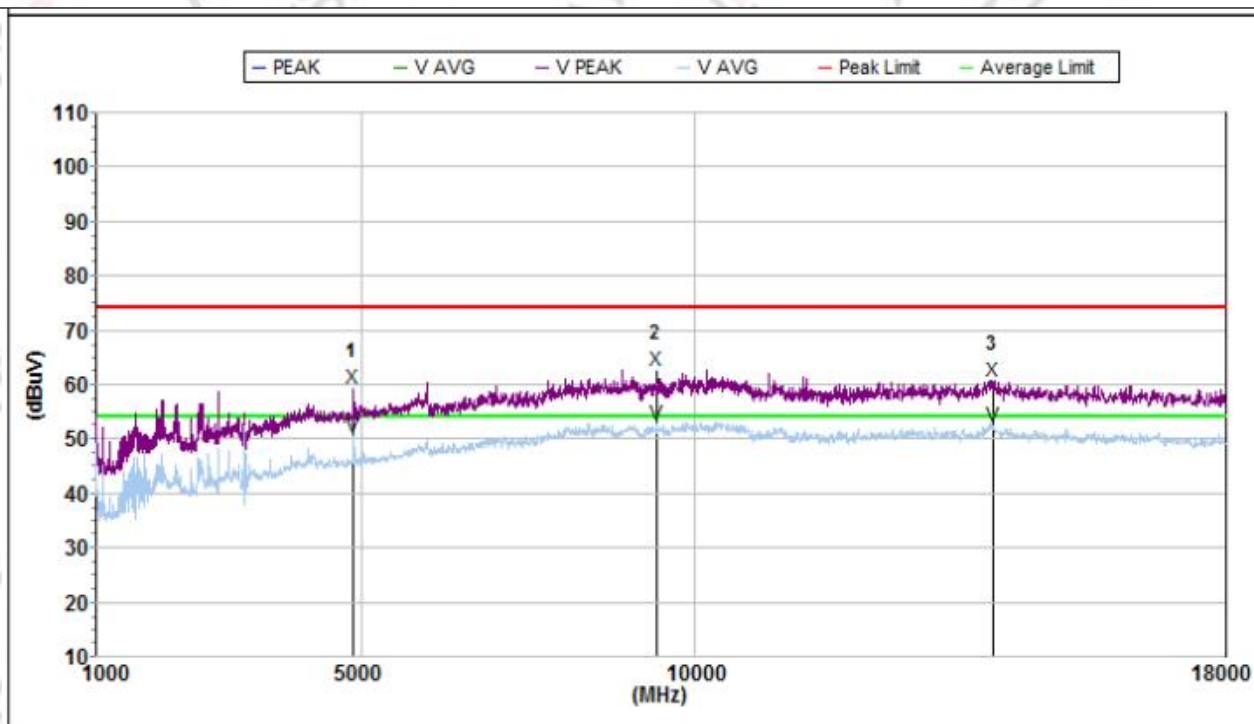
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4805.000	61.6	-4.5	57.1	74.0	16.9	V
2	9492.000	59.9	2.3	62.2	74.0	11.8	V
3	14532.000	58.4	2.5	60.9	74.0	13.1	V
Avg							
1	4805.000	53.6	-4.5	49.1	54.0	4.9	V
2	9492.000	50.6	2.3	52.9	54.0	1.1	V
3	14532.000	49.1	2.5	51.6	54.0	2.4	V

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2441MHz	Antenna	Horizontal

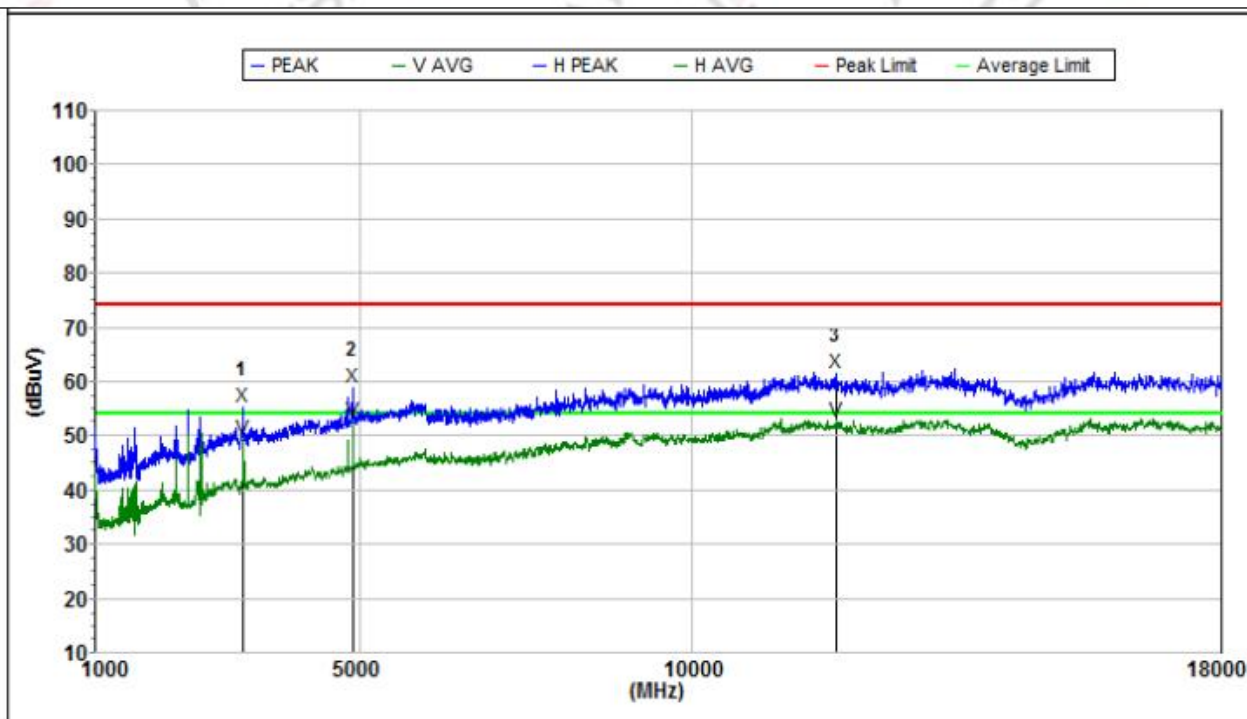


Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit (dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3242.500	66.5	-11.0	55.5	74.0	18.5	H
2	4807.500	64.0	-6.3	57.7	74.0	16.3	H
3	11568.000	59.1	2.5	61.6	74.0	12.4	H
Avg							
1	3242.500	60.3	-11.0	49.3	54.0	4.7	H
2	4807.500	55.7	-6.3	49.4	54.0	4.6	H
3	11568.000	49.6	2.5	52.1	54.0	1.9	H

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2441MHz	Antenna	Vertical

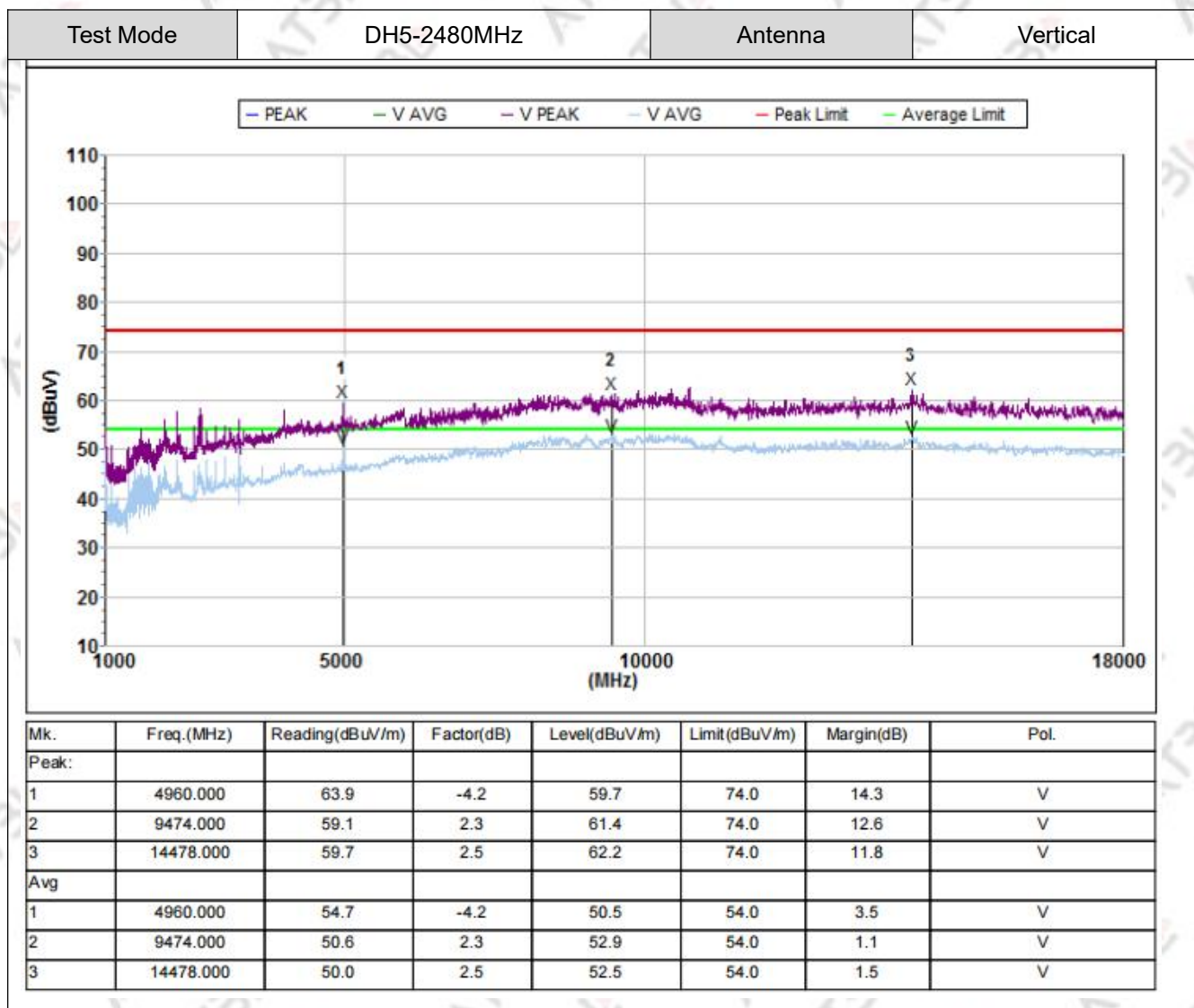


EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3242.500	66.4	-11.0	55.4	74.0	18.6	H
2	4885.000	64.9	-6.0	58.9	74.0	15.1	H
3	12174.000	59.0	2.8	61.8	74.0	12.2	H
Avg							
1	3242.500	60.6	-11.0	49.6	54.0	4.4	H
2	4885.000	58.6	-6.0	52.6	54.0	1.4	H
3	12174.000	49.8	2.8	52.6	54.0	1.4	H

EUT	Bluetooth headset	Model Name	ACH3621
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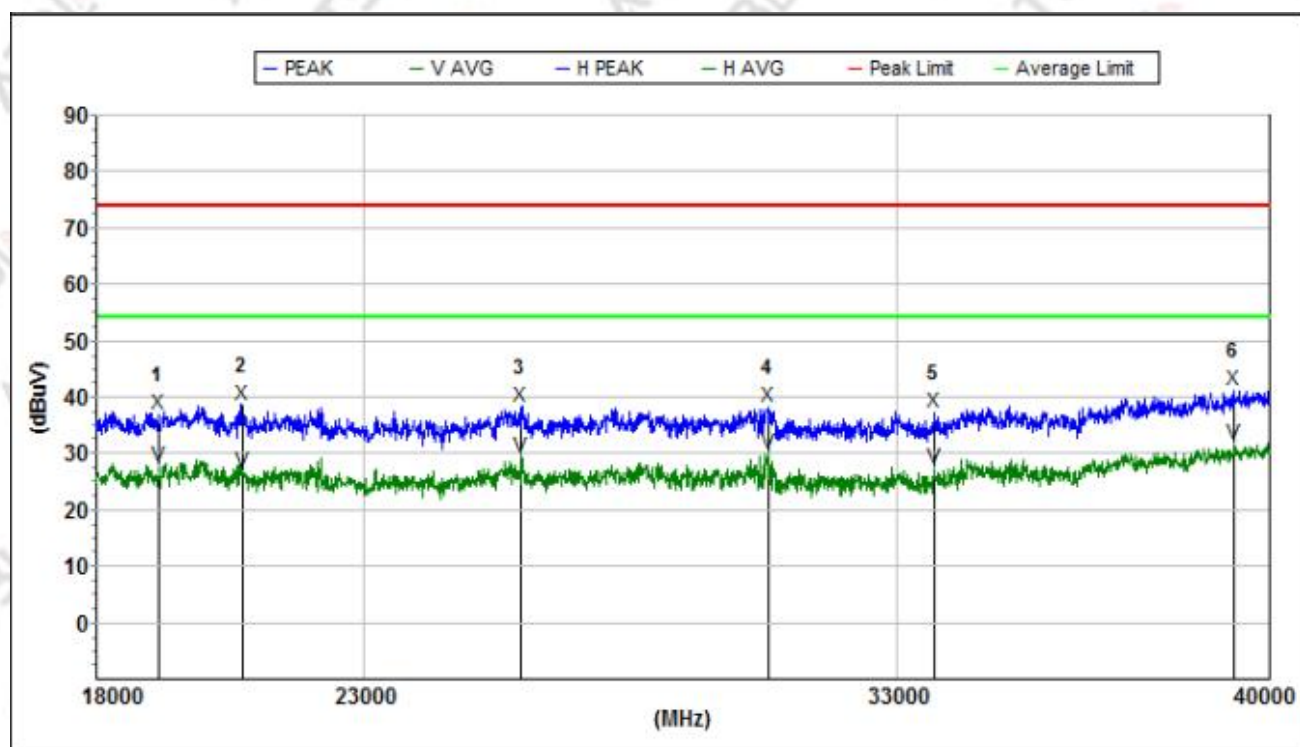


18GHz-40GHz:

Note:

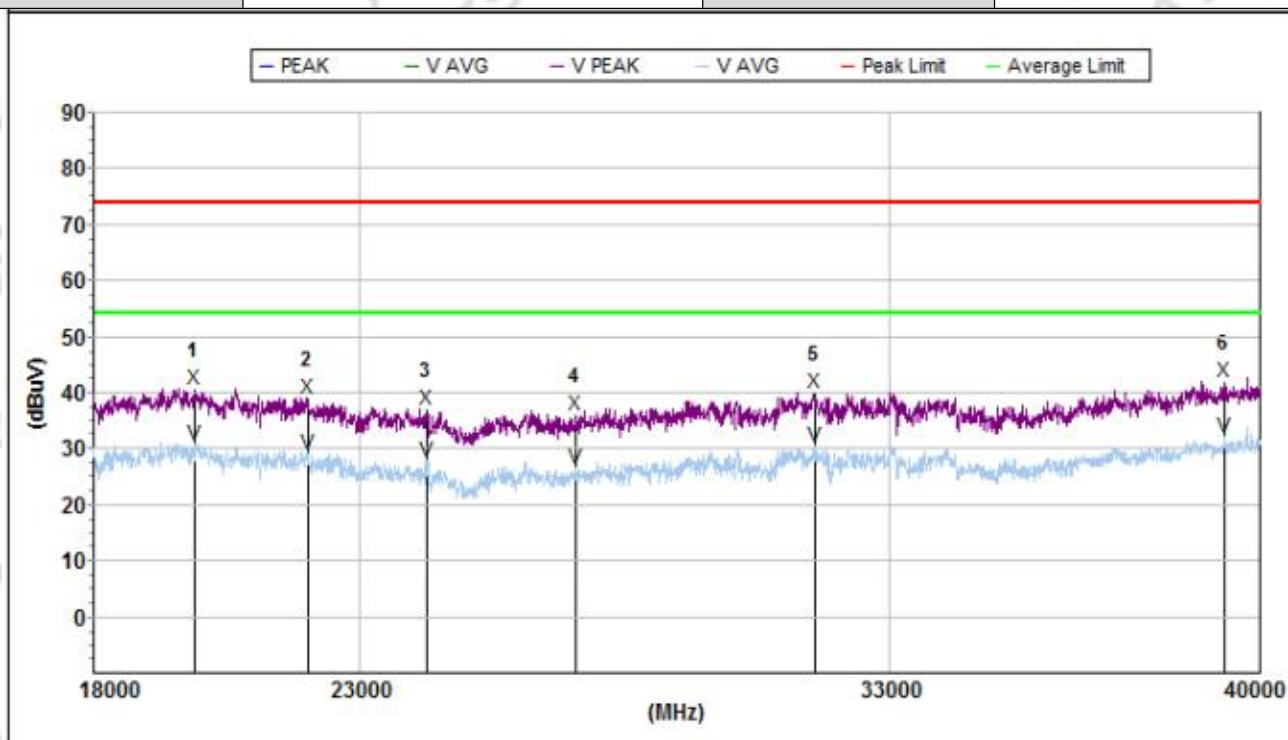
1. All modes have been tested, only worst (DH5-2402MHz)mode was recorded in the test report.
2. While performing the testing, the notch filter is used for avoiding test instrument overload.

	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2441MHz	Antenna Pol.	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	19166.000	58.9	-21.7	37.2	74.0	36.8	H
2	20739.000	59.6	-20.9	38.7	74.0	35.3	H
3	25964.000	56.1	-17.6	38.5	74.0	35.5	H
4	30595.000	55.3	-17.1	38.2	74.0	35.8	H
5	33708.000	56.3	-18.8	37.5	74.0	36.5	H
6	39329.000	56.5	-15.3	41.2	74.0	32.8	H
Avg							
1	19166.000	49.5	-21.7	27.8	54.0	26.2	H
2	20739.000	47.7	-20.9	26.8	54.0	27.2	H
3	25964.000	47.0	-17.6	29.4	54.0	24.6	H
4	30595.000	47.1	-17.1	30.0	54.0	24.0	H
5	33708.000	46.3	-18.8	27.5	54.0	26.5	H
6	39329.000	47.0	-15.3	31.7	54.0	22.3	H

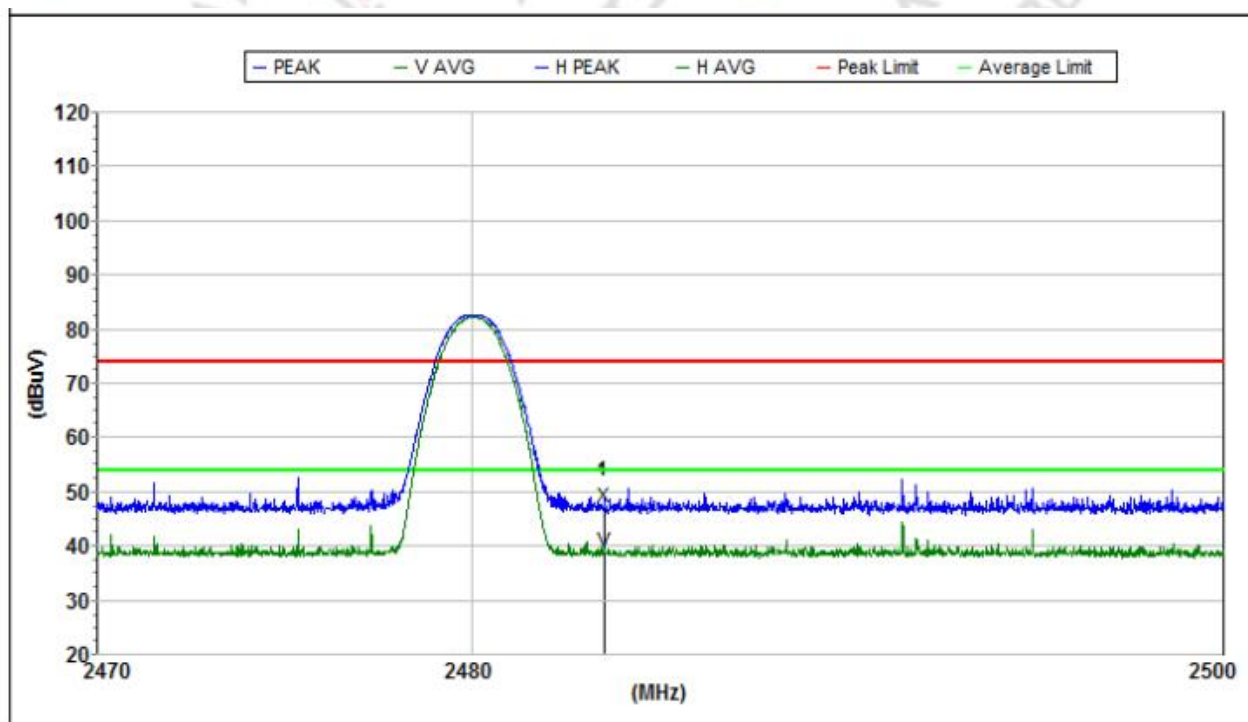
EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2441MHz	Antenna Pol.	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	19892.000	57.1	-16.5	40.6	74.0	33.4	V
2	22037.000	55.7	-16.6	39.1	74.0	34.9	V
3	24270.000	53.5	-16.6	36.9	74.0	37.1	V
4	27097.000	53.7	-17.6	36.1	74.0	37.9	V
5	31618.000	56.7	-16.8	39.9	74.0	34.1	V
6	39340.000	57.4	-15.3	42.1	74.0	31.9	V
Avg							
1	19892.000	47.3	-16.5	30.8	54.0	23.2	V
2	22037.000	45.8	-16.6	29.2	54.0	24.8	V
3	24270.000	44.3	-16.6	27.7	54.0	26.3	V
4	27097.000	44.1	-17.6	26.5	54.0	27.5	V
5	31618.000	47.2	-16.8	30.4	54.0	23.6	V
6	39340.000	47.3	-15.3	32.0	54.0	22.0	V

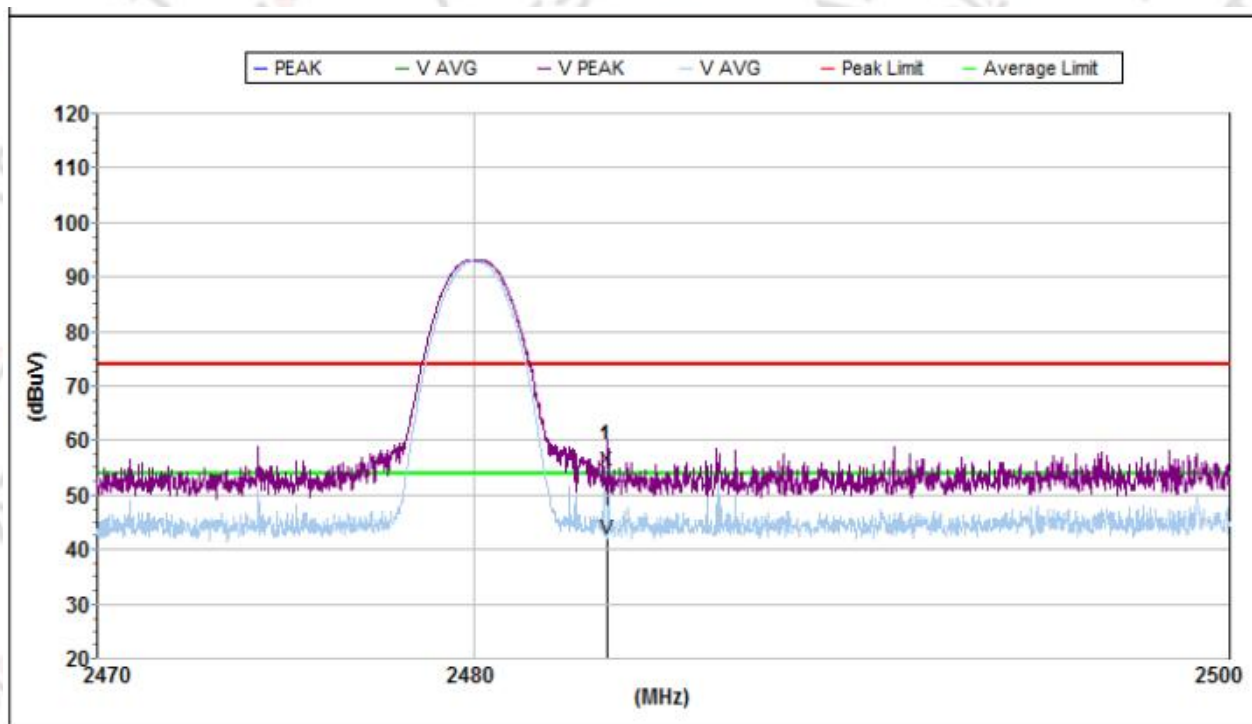
Restricted Band:

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5--2402MHz	Antenna	Horizontal



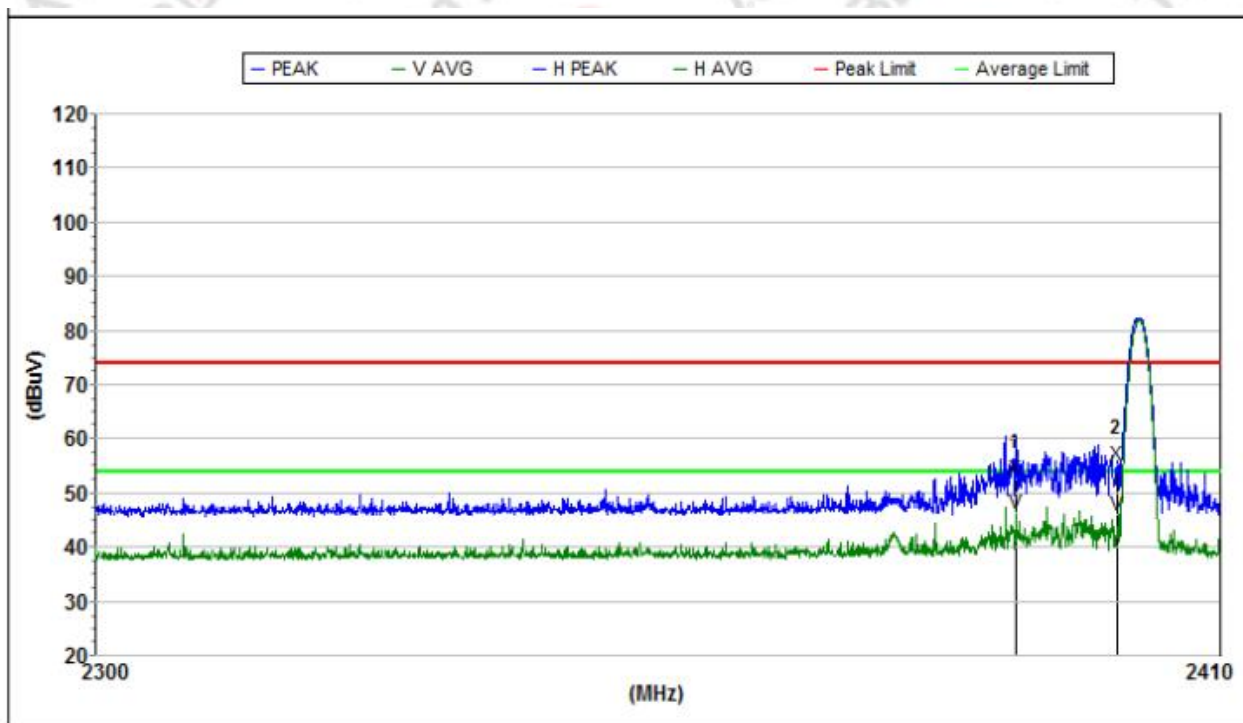
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2483.500	61.7	-14.3	47.4	74.0	26.6	H
Avg							
1	2483.500	53.3	-14.3	39.0	54.0	15.0	H

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2402MHz	Antenna	Vertical



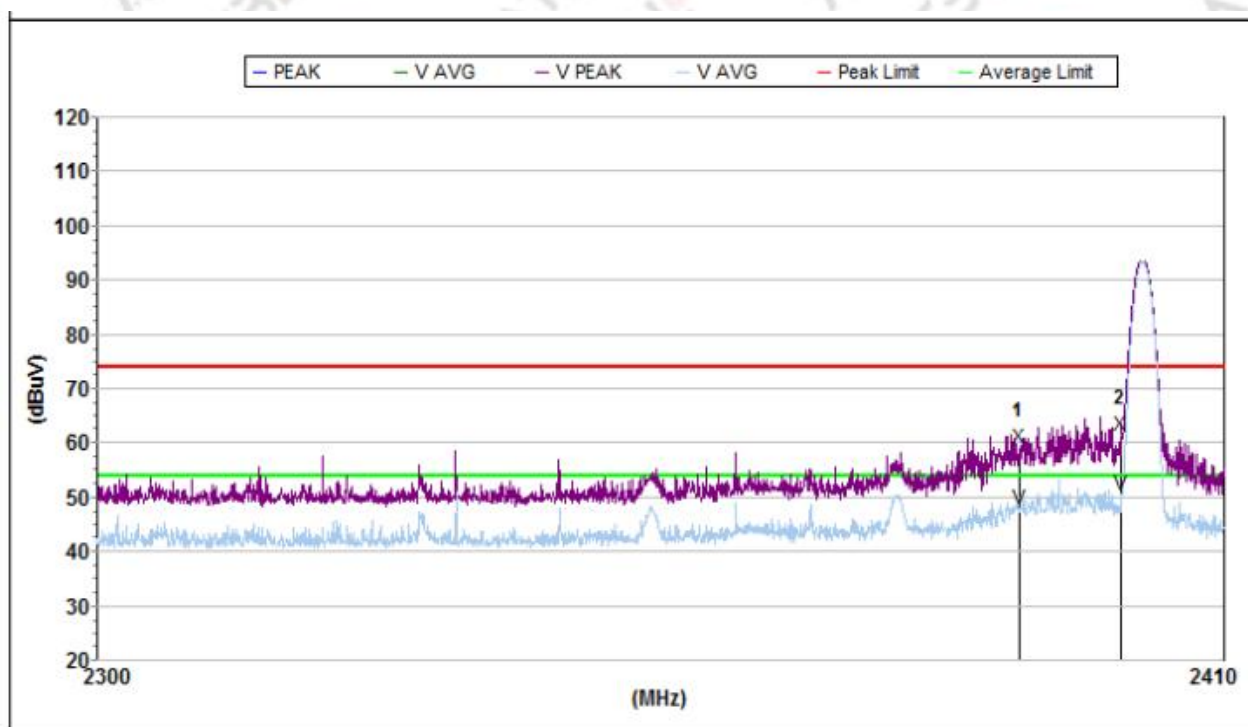
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2483.500	66.2	-11.7	54.5	74.0	19.5	V
Avg							
1	2483.500	53.9	-11.7	42.2	54.0	11.8	V

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5--2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	66.7	-14.2	52.5	74.0	21.5	H
2	2400.000	69.4	-14.2	55.2	74.0	18.8	H
Avg							
1	2390.000	60.5	-14.2	46.3	54.0	7.7	H
2	2400.000	60.2	-14.2	46.0	54.0	8.0	H

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2480MHz	Antenna	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	70.6	-11.3	59.3	74.0	14.7	V
2	2400.000	72.8	-11.4	61.4	74.0	12.6	V
Avg							
1	2390.000	59.4	-11.3	48.1	54.0	5.9	V
2	2400.000	62.0	-11.4	50.6	54.0	3.4	V

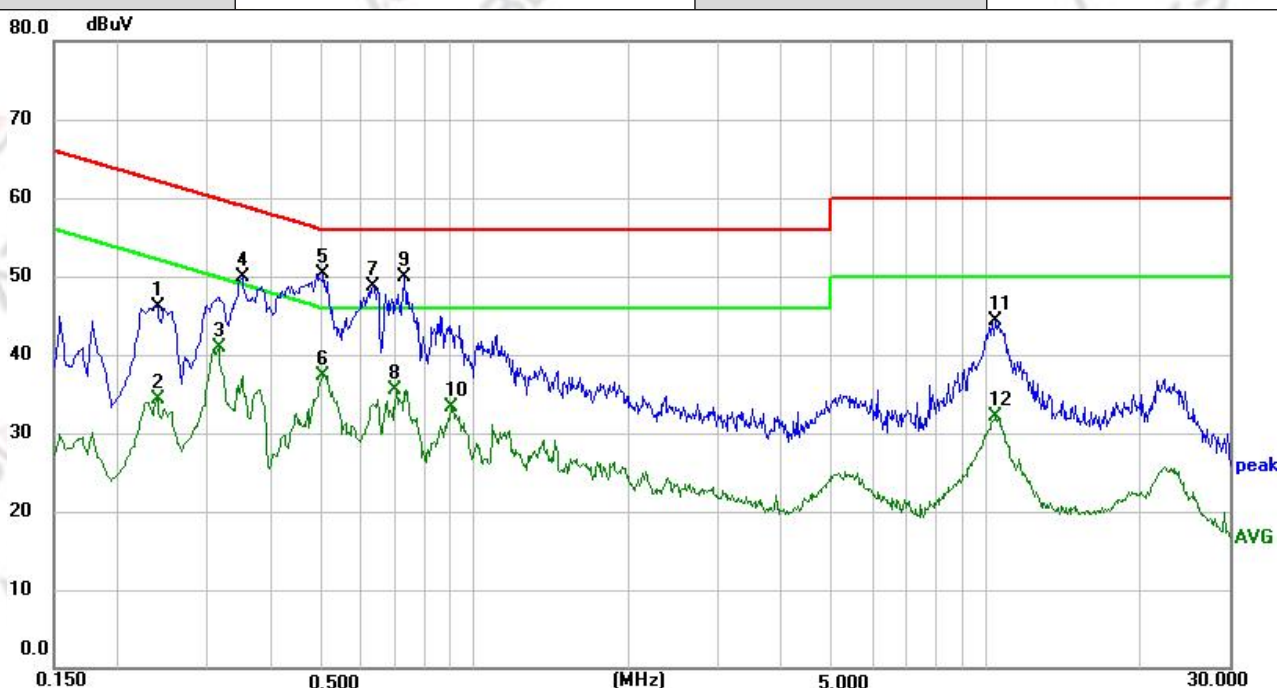
9.AC Power-Line Conducted Emission

Test Result

Note:

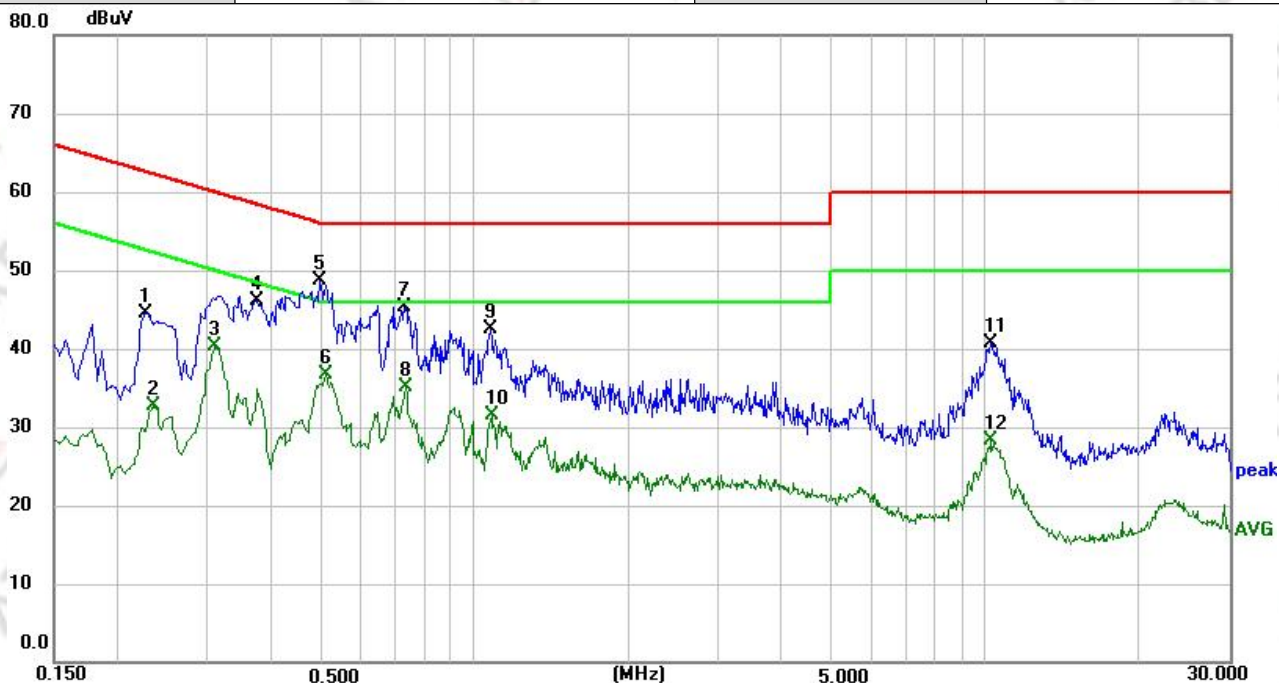
- 1.All modes have been tested, only worst mode(DH5-2441MHz) was recorded in the test report.
- 2.Emission Level = Reading Value + Correction Factor .
3. Correction Factor = Insertion loss + Cable loss.
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2441MHz	Phase	L1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2380	26.57	19.59	46.16	62.17	-16.01	peak	P	
2	0.2380	14.81	19.59	34.40	52.17	-17.77	AVG	P	
3	0.3140	21.33	19.58	40.91	49.86	-8.95	AVG	P	
4	0.3500	30.42	19.56	49.98	58.96	-8.98	peak	P	
5 *	0.5060	30.90	19.46	50.36	56.00	-5.64	peak	P	
6	0.5060	17.88	19.46	37.34	46.00	-8.66	AVG	P	
7	0.6300	29.22	19.58	48.80	56.00	-7.20	peak	P	
8	0.7019	15.95	19.65	35.60	46.00	-10.40	AVG	P	
9	0.7300	30.31	19.64	49.95	56.00	-6.05	peak	P	
10	0.9020	13.73	19.58	33.31	46.00	-12.69	AVG	P	
11	10.4260	24.56	19.71	44.27	60.00	-15.73	peak	P	
12	10.5060	12.34	19.71	32.05	50.00	-17.95	AVG	P	

EUT	Bluetooth headset	Model Name	ACH3621
Test Mode	DH5-2441MHz	Phase	N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2260	24.97	19.60	44.57	62.60	-18.03	peak	P	
2	0.2340	13.09	19.60	32.69	52.31	-19.62	AVG	P	
3	0.3100	20.78	19.59	40.37	49.97	-9.60	AVG	P	
4	0.3740	26.64	19.53	46.17	58.41	-12.24	peak	P	
5 *	0.4980	29.28	19.45	48.73	56.03	-7.30	peak	P	
6	0.5100	17.17	19.46	36.63	46.00	-9.37	AVG	P	
7	0.7300	25.75	19.64	45.39	56.00	-10.61	peak	P	
8	0.7340	15.54	19.64	35.18	46.00	-10.82	AVG	P	
9	1.0740	22.95	19.56	42.51	56.00	-13.49	peak	P	
10	1.0780	11.94	19.56	31.50	46.00	-14.50	AVG	P	
11	10.2180	21.01	19.72	40.73	60.00	-19.27	peak	P	
12	10.2460	8.59	19.72	28.31	50.00	-21.69	AVG	P	