

Appendix B_Radiated Data for BLE:

1.Radiated Spurious Emission and Restricted Band

Test Result

Radiated Spurious Emission:

For 9 kHz ~ 30 MHz

Note:

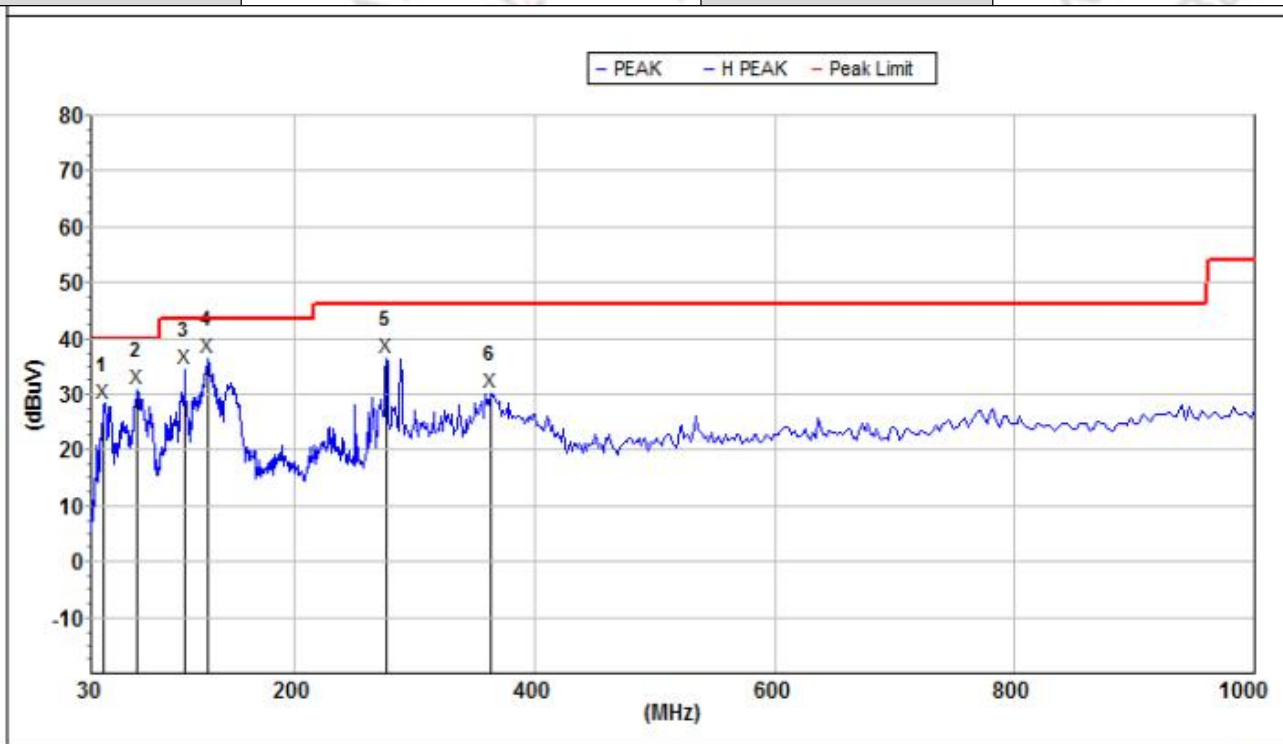
- 1.The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.
- 2.The all data rate modes had been test, but only worse test data was recorded in the test report.

Below 1GHz:

Note:

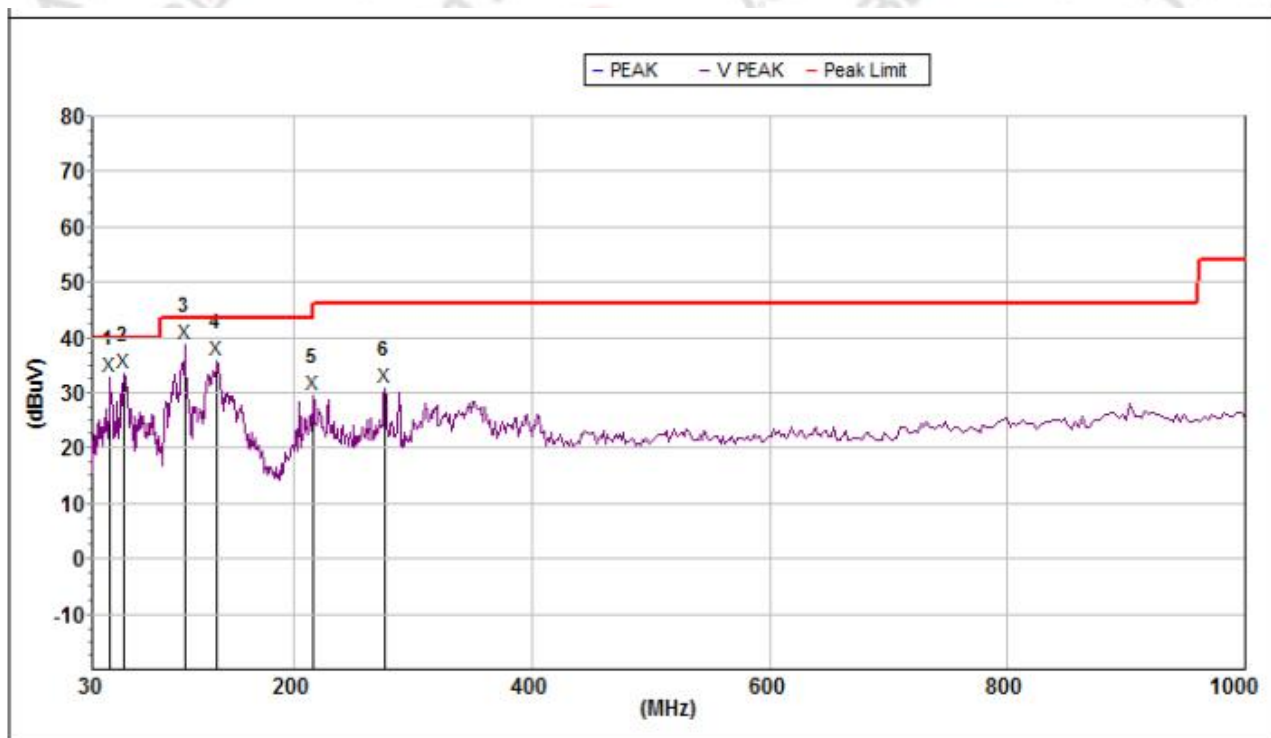
- 1.All modes have been tested, only worst (BLE_1M-TX-2440MHz)mode was recorded in the test report.
- 2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
- 3.Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
- 4.The emission levels of other frequencies were less than 20dB margin against the limit.
- 5.Margin value = Emission level-Limit value.

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2440MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	40.276	70.1	-41.8	28.3	40.0	11.7	H
2	68.151	76.5	-45.5	31.0	40.0	9.0	H
3	107.888	72.6	-38.1	34.5	43.5	9.0	H
4	127.665	70.6	-33.9	36.7	43.5	6.8	H
5	276.124	63.7	-27.0	36.7	46.0	9.3	H
6	362.984	55.2	-24.8	30.4	46.0	15.6	H

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2440MHz	Antenna	Vertical



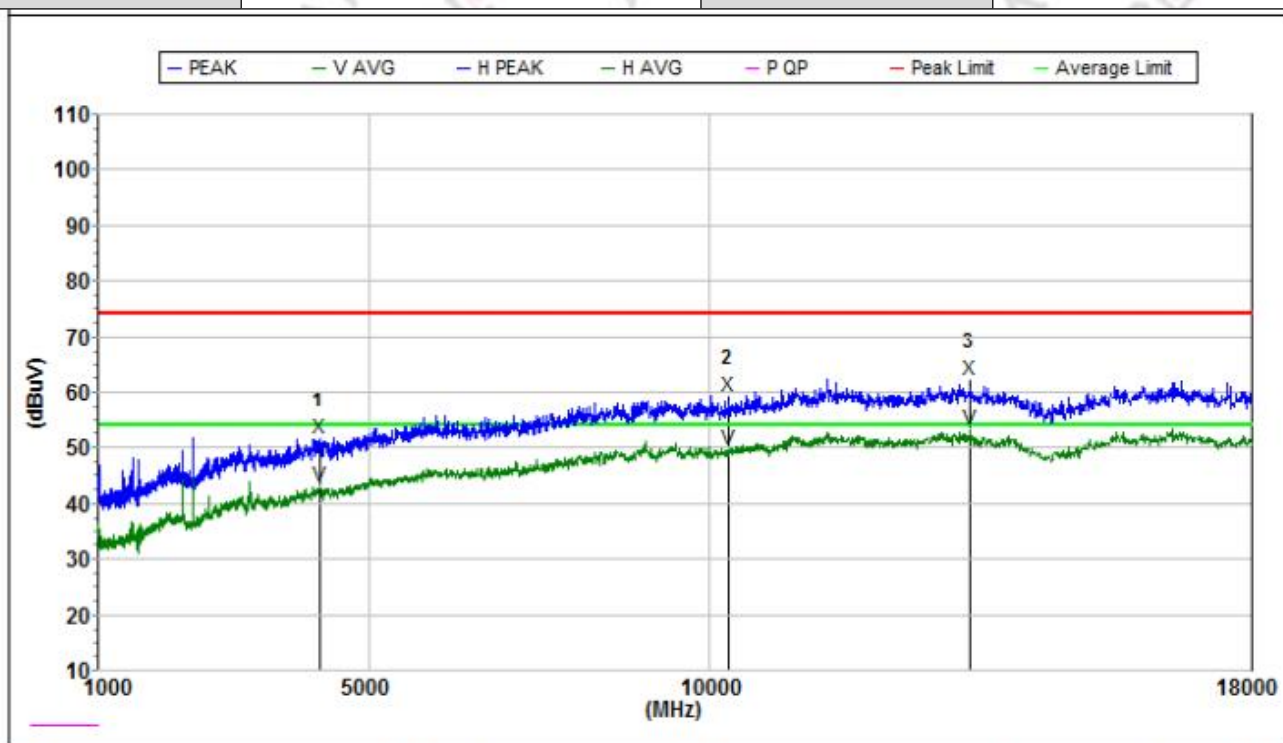
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	44.901	77.5	-44.6	32.9	40.0	7.1	V
2	56.593	77.1	-43.6	33.5	40.0	6.5	V
3	107.888	72.9	-34.0	38.9	43.5	4.6	V
4	135.032	71.6	-35.6	36.0	43.5	7.5	V
5	216.024	58.5	-28.7	29.8	46.0	16.2	V
6	276.124	58.5	-27.5	31.0	46.0	15.0	V

Above 1GHz:

Note:

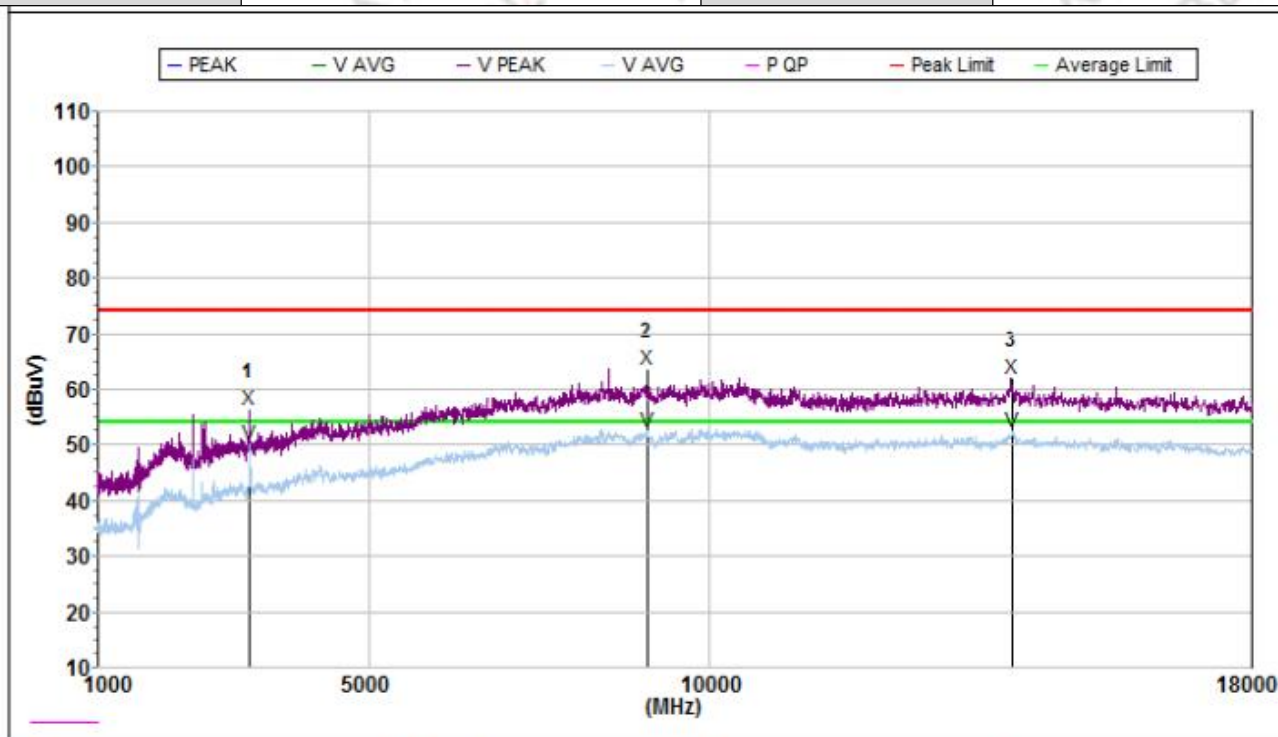
- 1.All modes have been tested, only worst mode was recorded in the test report.
- 2.In frequency ranges 18 ~25GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.
- 3.We used the filter to test and the main frequency was filtered out.
- 4.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
5. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
6. Margin value = Emission level-Limit value.
- 7.While performing the testing, the notch filter is used for avoiding test instrument overload.

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2402MHz	Antenna	Horizontal



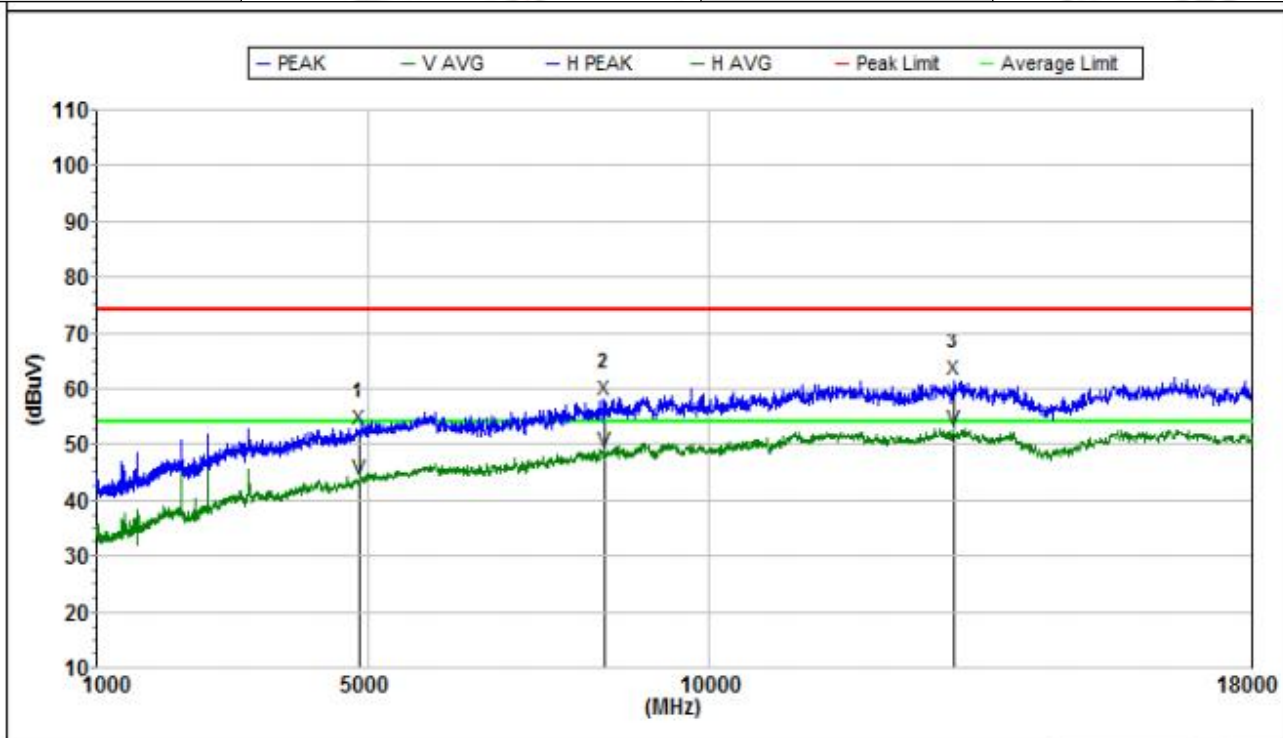
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	4265.000	59.7	-7.8	51.9	74.0	22.1	H
2	10296.000	58.8	0.7	59.5	74.0	14.5	H
3	13848.000	59.8	2.5	62.3	74.0	11.7	H
Avg							
1	4265.000	51.1	-7.8	43.3	54.0	10.7	H
2	10296.000	49.1	0.7	49.8	54.0	4.2	H
3	13848.000	50.8	2.5	53.3	54.0	0.7	H

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2402MHz	Antenna	Vertical



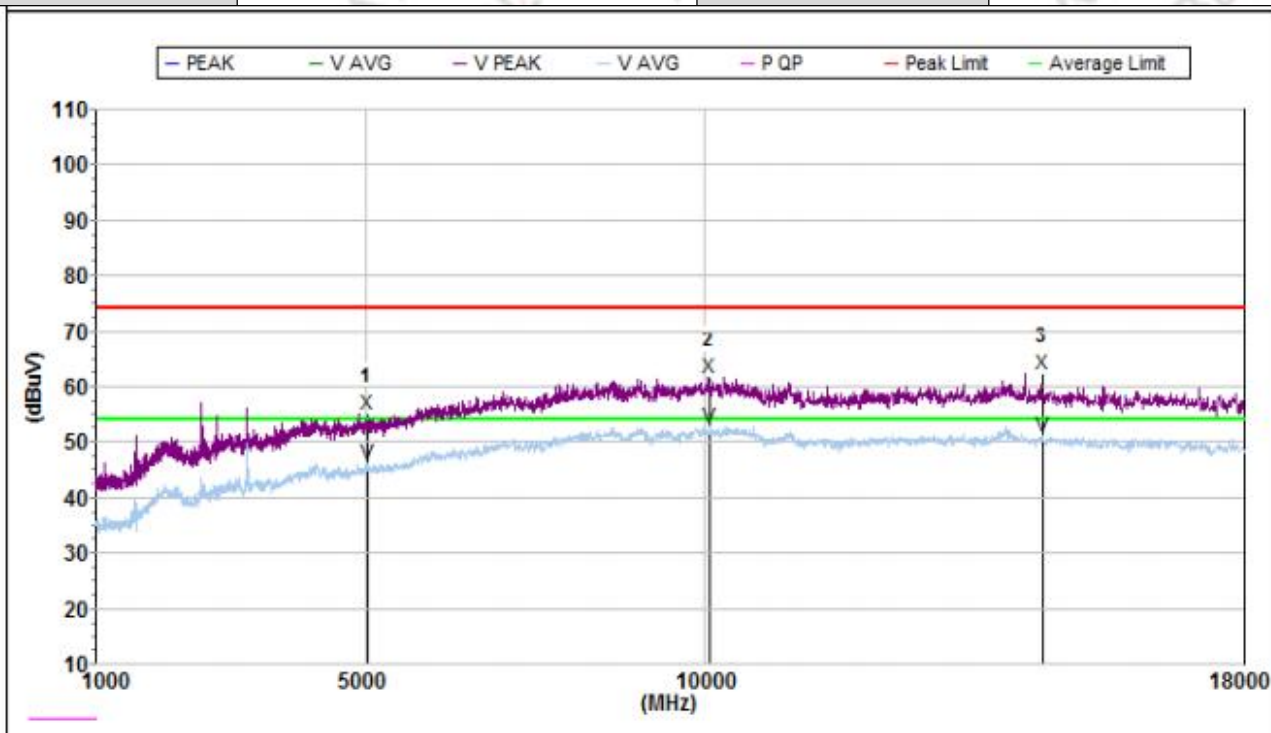
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3242.500	65.5	-9.0	56.5	74.0	17.5	V
2	9090.000	61.5	2.1	63.6	74.0	10.4	V
3	14466.000	59.6	2.5	62.1	74.0	11.9	V
Avg							
1	3242.500	59.1	-9.0	50.1	54.0	3.9	V
2	9090.000	50.4	2.1	52.5	54.0	1.5	V
3	14466.000	49.9	2.5	52.4	54.0	1.6	V

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1MHz2440MHz	Antenna	Horizontal



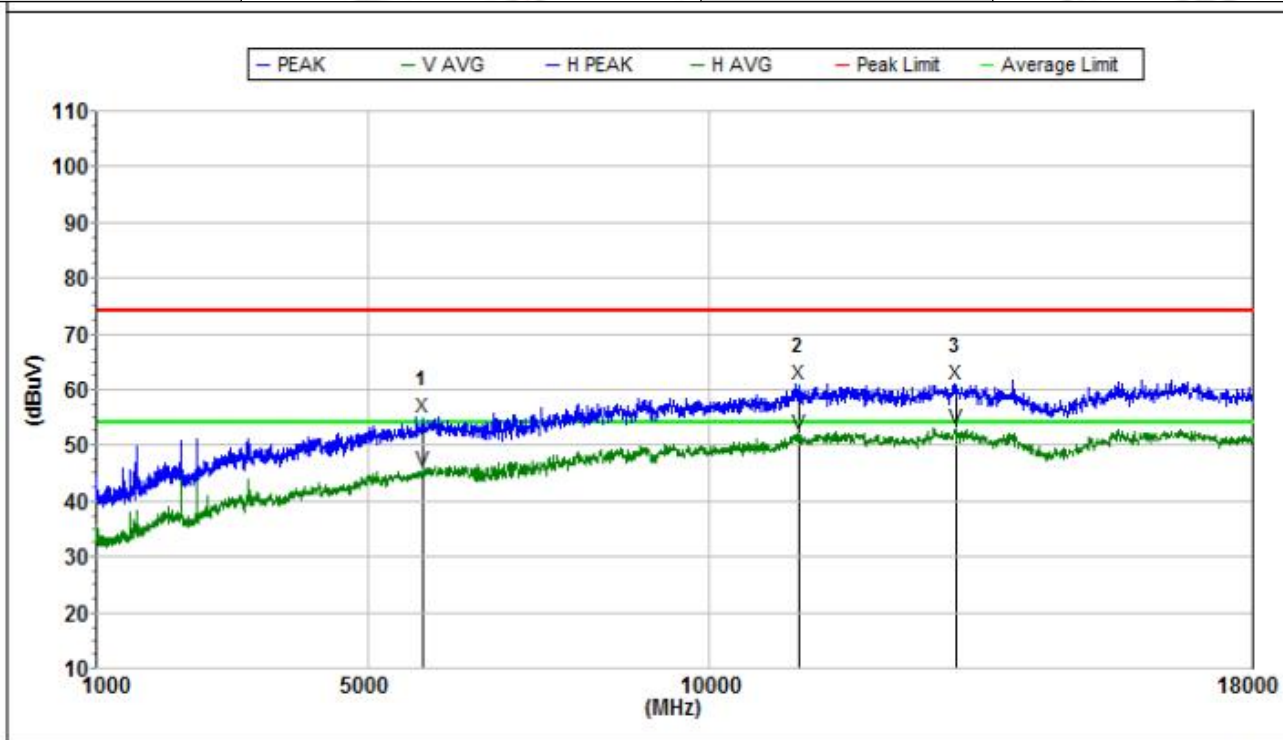
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	4860.000	59.0	-6.1	52.9	74.0	21.1	H
2	8484.000	58.5	-0.6	57.9	74.0	16.1	H
3	13620.000	58.8	3.0	61.8	74.0	12.2	H
Avg							
1	4860.000	49.9	-6.1	43.8	54.0	10.2	H
2	8484.000	49.5	-0.6	48.9	54.0	5.1	H
3	13620.000	49.6	3.0	52.6	54.0	1.4	H

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1MHz2440MHz	Antenna	Vertical



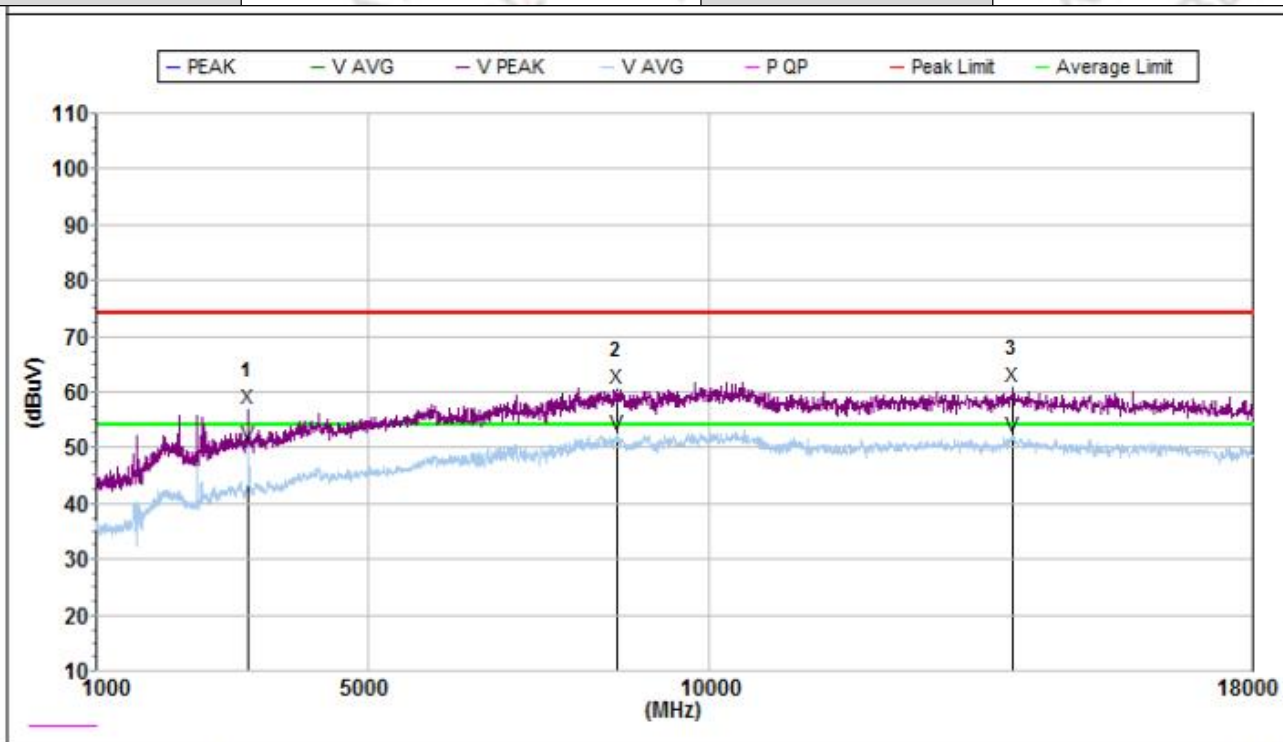
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	5010.000	59.2	-4.1	55.1	74.0	18.9	V
2	10074.000	58.4	3.1	61.5	74.0	12.5	V
3	15012.000	61.0	1.3	62.3	74.0	11.7	V
Avg							
1	5010.000	50.2	-4.1	46.1	54.0	7.9	V
2	10074.000	49.5	3.1	52.6	54.0	1.4	V
3	15012.000	49.8	1.3	51.1	54.0	2.9	V

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1MHz2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	5800.000	58.9	-3.8	55.1	74.0	18.9	H
2	11322.000	58.9	2.2	61.1	74.0	12.9	H
3	13638.000	58.0	2.9	60.9	74.0	13.1	H
Avg							
1	5800.000	49.4	-3.8	45.6	54.0	8.4	H
2	11322.000	50.0	2.2	52.2	54.0	1.8	H
3	13638.000	50.1	2.9	53.0	54.0	1.0	H

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1MHz2480MHz	Antenna	Vertical



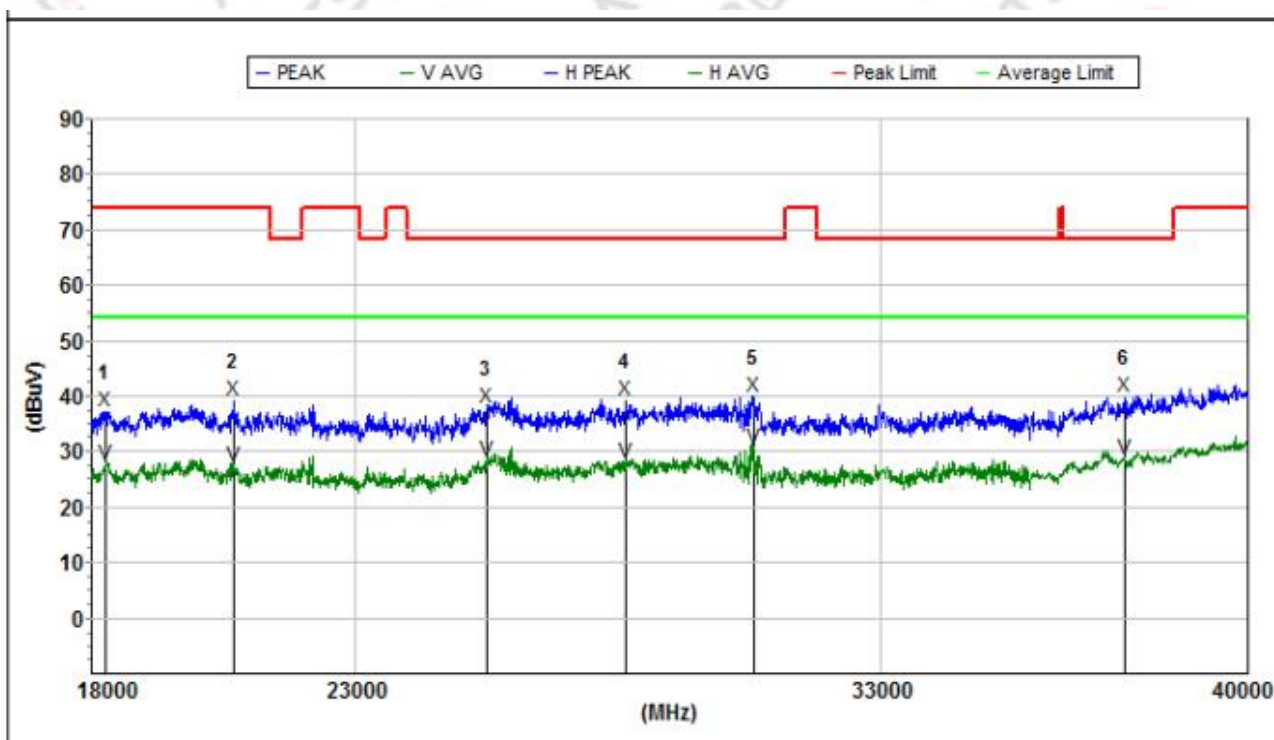
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	3242.500	65.9	-9.0	56.9	74.0	17.1	V
2	8658.000	58.2	2.3	60.5	74.0	13.5	V
3	14478.000	58.5	2.5	61.0	74.0	13.0	V
Avg							
1	3242.500	59.6	-9.0	50.6	54.0	3.4	V
2	8658.000	50.1	2.3	52.4	54.0	1.6	V
3	14478.000	49.5	2.5	52.0	54.0	2.0	V

18GHz-40GHz:

Note:

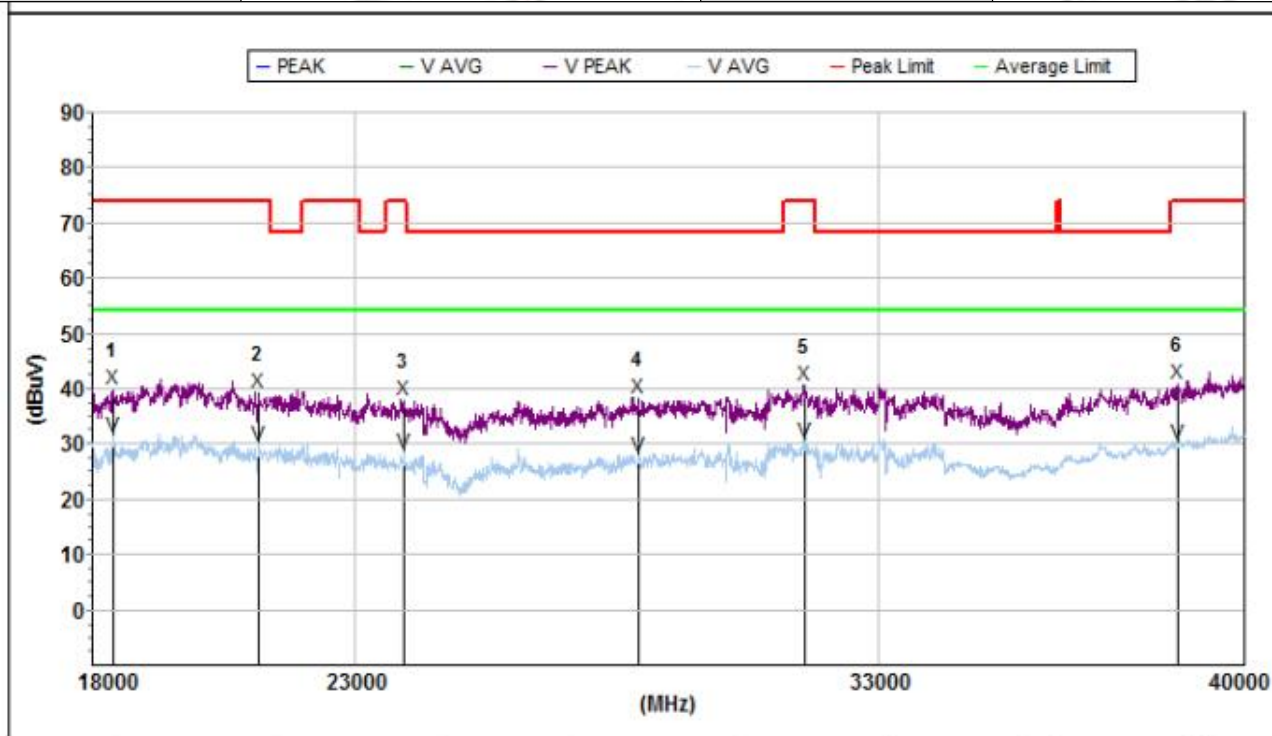
All modes have been tested, only worst (BLE_1M-2402MHz)mode was recorded in the test report.

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2440MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	18275.000	59.4	-21.9	37.5	74.0	36.5	H
2	20706.000	60.4	-20.9	39.5	74.0	34.5	H
3	25513.000	56.1	-18.1	38.0	68.2	30.2	H
4	28164.000	56.2	-16.9	39.3	68.2	28.9	H
5	30595.000	57.1	-17.1	40.0	68.2	28.2	H
6	37668.000	56.7	-16.6	40.1	68.2	28.1	H
Avg							
1	18275.000	49.7	-21.9	27.8	54.0	26.2	H
2	20706.000	48.4	-20.9	27.5	54.0	26.5	H
3	25513.000	46.6	-18.1	28.5	54.0	25.5	H
4	28164.000	45.2	-16.9	28.3	54.0	25.7	H
5	30595.000	47.9	-17.1	30.8	54.0	23.2	H
6	37668.000	45.4	-16.6	28.8	54.0	25.2	H

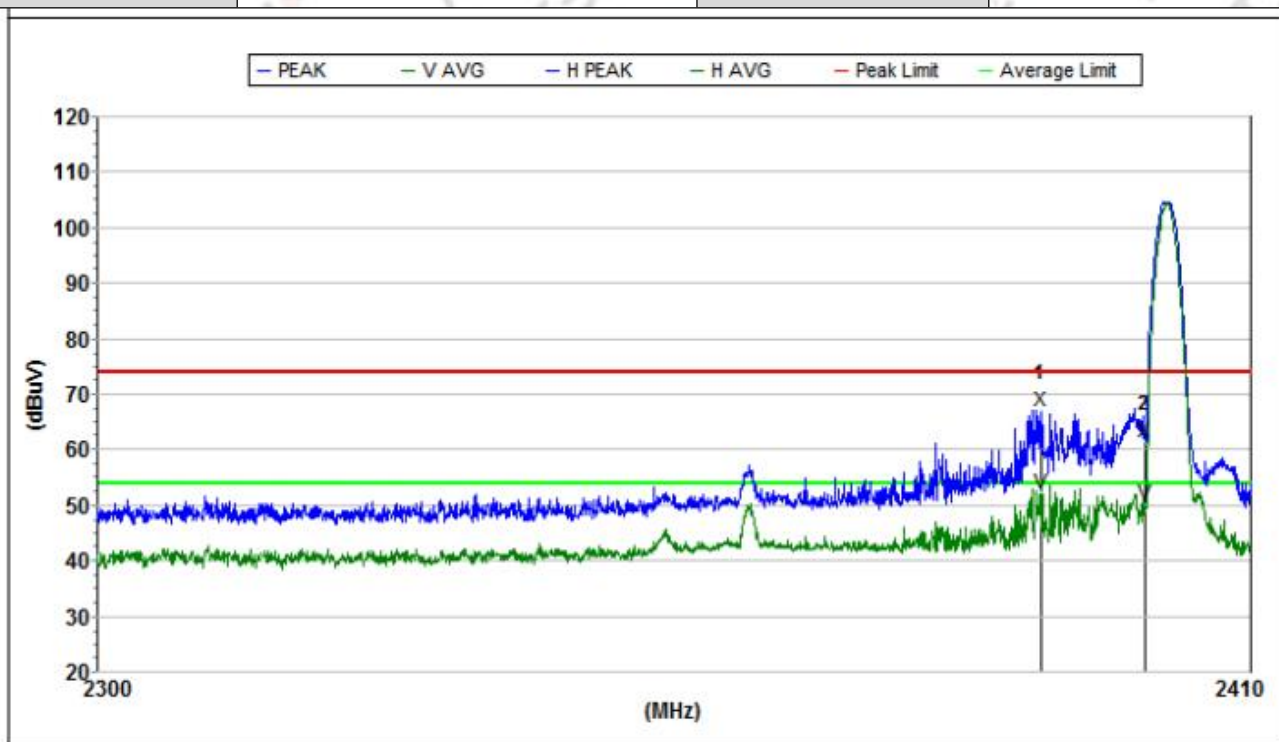
EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2440MHz	Antenna	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	18407.000	57.0	-16.9	40.1	74.0	33.9	V
2	21179.000	54.9	-15.7	39.2	74.0	34.8	V
3	23951.000	54.4	-16.4	38.0	74.0	36.0	V
4	28439.000	55.1	-16.6	38.5	68.2	29.7	V
5	31618.000	57.6	-16.8	40.8	74.0	33.2	V
6	38713.000	56.6	-15.7	40.9	74.0	33.1	V
Avg							
1	18407.000	48.2	-16.9	31.3	54.0	22.7	V
2	21179.000	45.5	-15.7	29.8	54.0	24.2	V
3	23951.000	44.9	-16.4	28.5	54.0	25.5	V
4	28439.000	44.4	-16.6	27.8	54.0	26.2	V
5	31618.000	47.2	-16.8	30.4	54.0	23.6	V
6	38713.000	45.9	-15.7	30.2	54.0	23.8	V

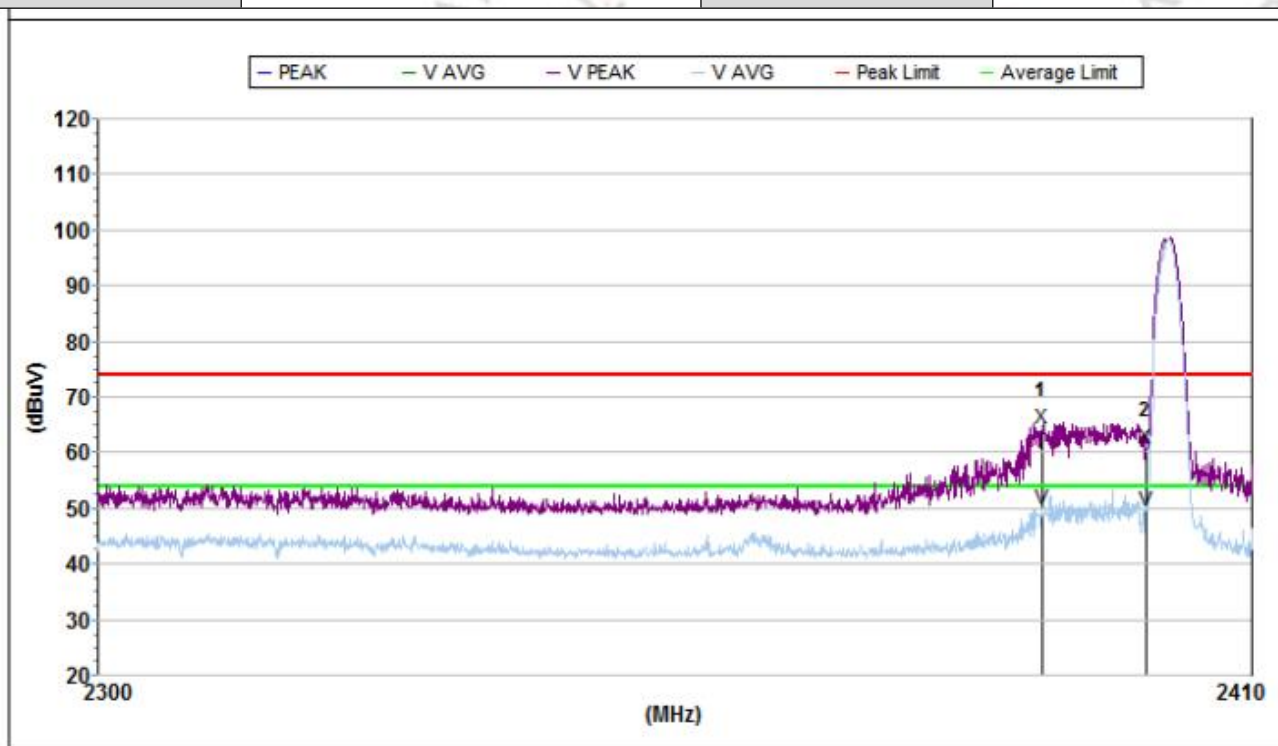
Restricted Band:

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2402MHZ	Antenna	Vertical



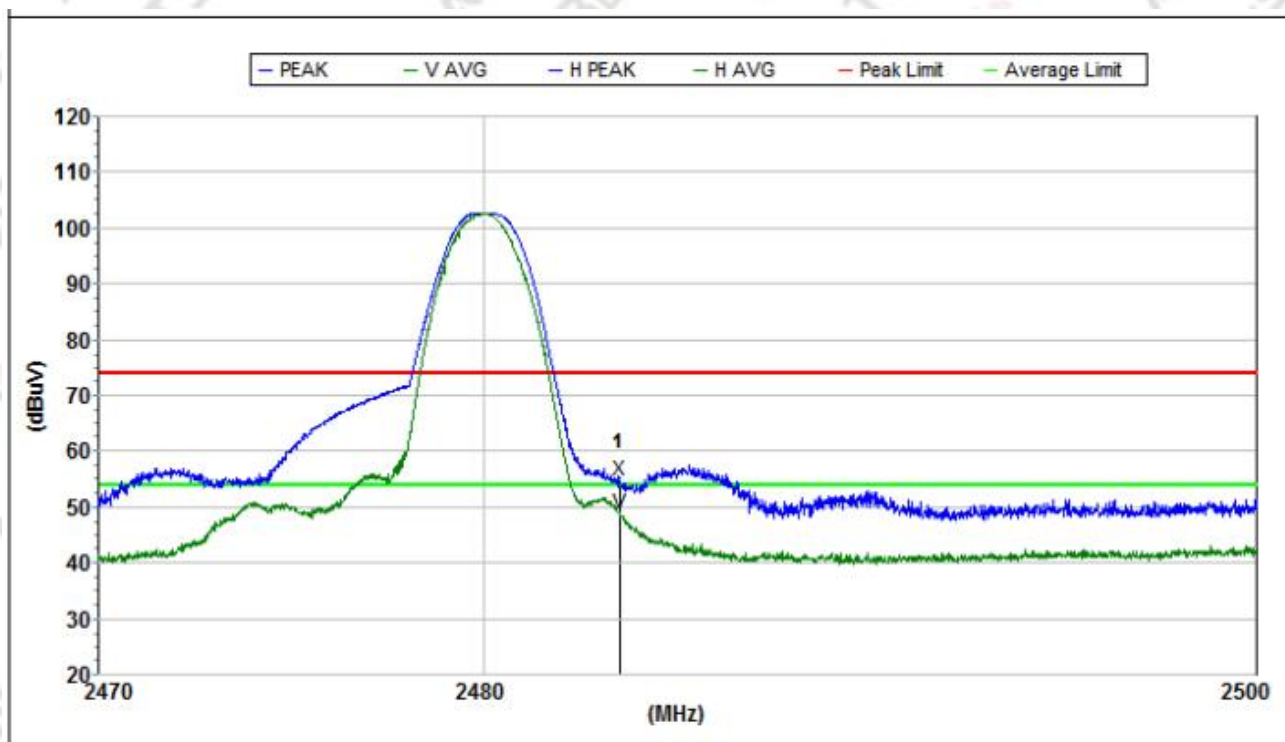
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	2390.000	81.1	-14.2	66.9	74.0	7.1	H
2	2400.000	75.7	-14.2	61.5	74.0	12.5	H
Avg							
1	2390.000	66.3	-14.2	52.1	54.0	1.9	H
2	2400.000	64.4	-14.2	50.2	54.0	3.8	H

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2402MHz	Antenna	Horizontal



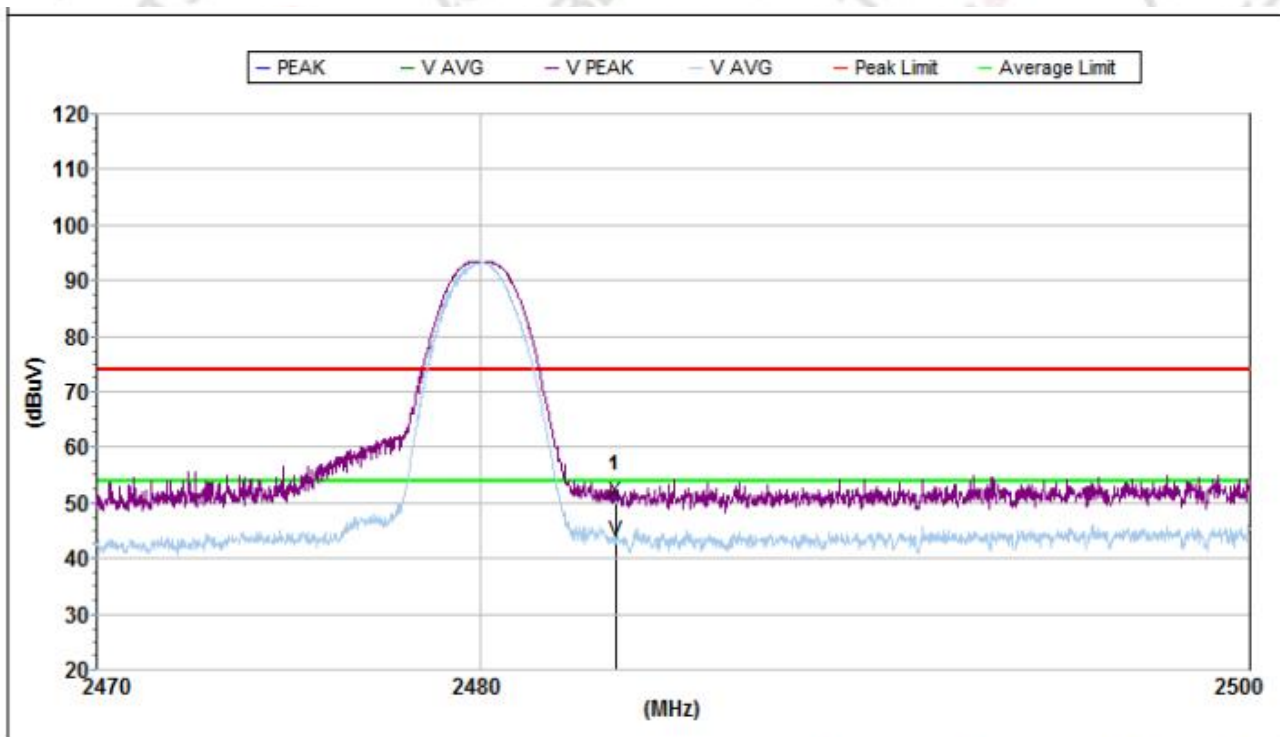
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	2390.000	75.8	-11.3	64.5	74.0	9.5	V
2	2400.000	72.1	-11.3	60.8	74.0	13.2	V
Avg							
1	2390.000	61.1	-11.3	49.8	54.0	4.2	V
2	2400.000	61.0	-11.3	49.7	54.0	4.3	V

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2480MHz	Antenna	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字	更多
Peak:								
1	2483.500	69.1	-14.3	54.8	74.0	19.2	H	
Avg								
1	2483.500	63.4	-14.3	49.1	54.0	4.9	H	

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2480MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	[A] 提取文字 更多
Peak:							
1	2483.500	62.0	-11.7	50.3	74.0	23.7	V
Avg							
1	2483.500	55.1	-11.7	43.4	54.0	10.6	V

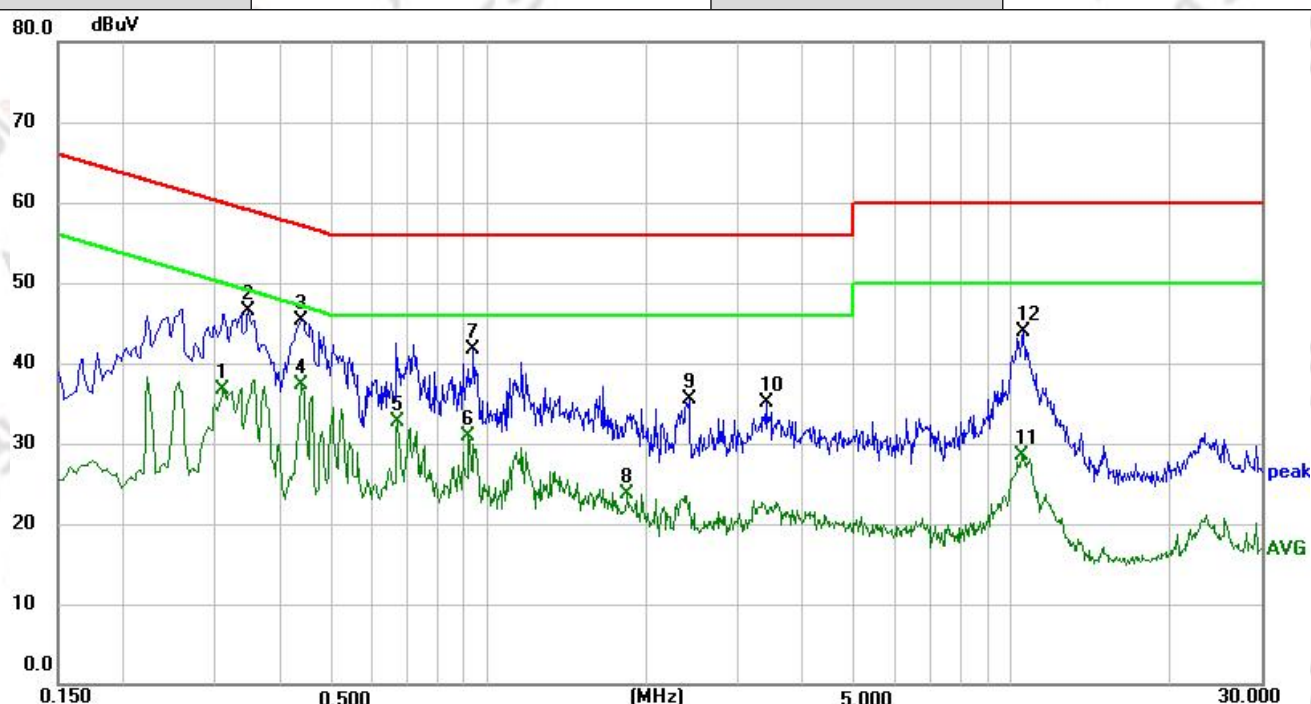
2.AC Power-Line Conducted Emission

Test Result

Note:

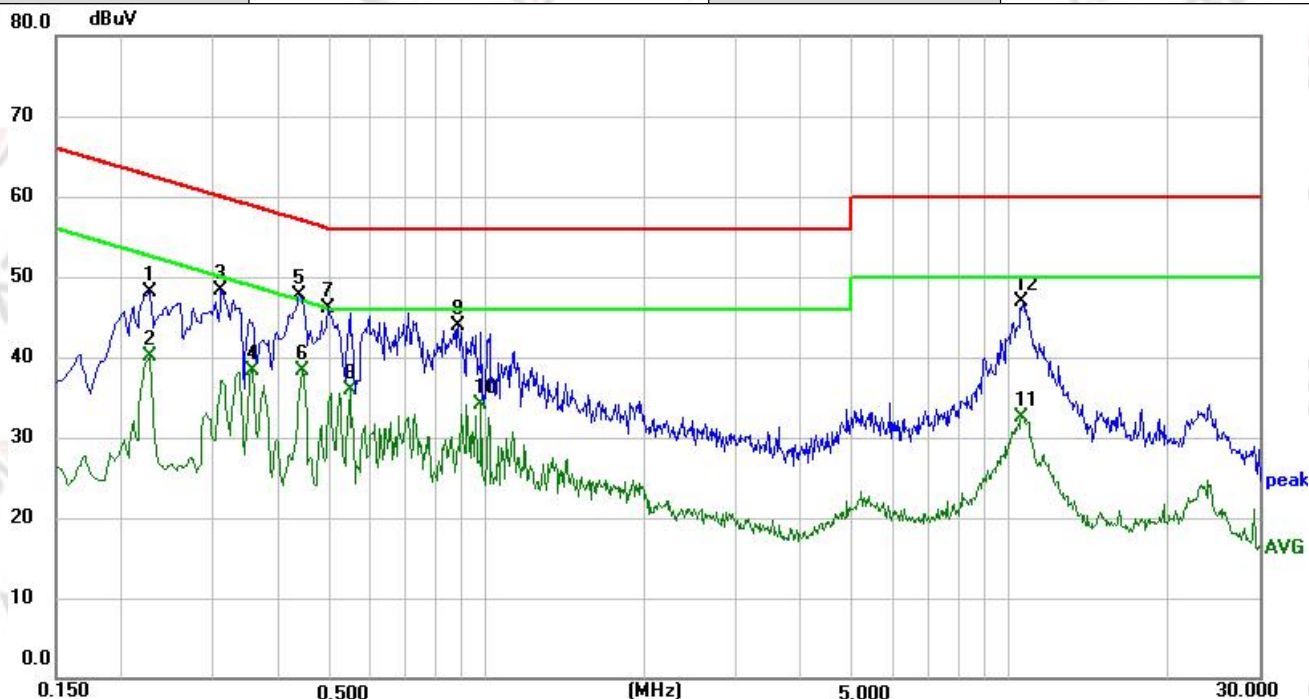
- 1.All modes have been tested, only worst mode(BLE-1M-2440MHz) was recorded in the test report.
- 2.Emission Level = Reading Value + Correction Factor .
3. Correction Factor = Insertion loss + Cable loss.
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2440MHz	Phase	L1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3100	17.05	19.59	36.64	49.97	-13.33	AVG	P	
2	0.3460	26.99	19.56	46.55	59.06	-12.51	peak	P	
3	0.4380	25.86	19.49	45.35	57.10	-11.75	peak	P	
4 *	0.4380	17.72	19.49	37.21	47.10	-9.89	AVG	P	
5	0.6700	13.37	19.36	32.73	46.00	-13.27	AVG	P	
6	0.9180	11.39	19.50	30.89	46.00	-15.11	AVG	P	
7	0.9380	22.11	19.52	41.63	56.00	-14.37	peak	P	
8	1.8460	4.09	19.65	23.74	46.00	-22.26	AVG	P	
9	2.4100	15.78	19.63	35.41	56.00	-20.59	peak	P	
10	3.3900	15.47	19.54	35.01	56.00	-20.99	peak	P	
11	10.4420	8.94	19.62	28.56	50.00	-21.44	AVG	P	
12	10.5140	24.19	19.62	43.81	60.00	-16.19	peak	P	

EUT	WIRELESS GAMING HEADSET	Model Name	ARG-HS-2847BK
Test Mode	BLE-1M-2440MHz	Phase	N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2260	28.55	19.60	48.15	62.60	-14.45	peak	P	
2	0.2260	20.46	19.60	40.06	52.60	-12.54	AVG	P	
3	0.3100	28.65	19.59	48.24	59.97	-11.73	peak	P	
4	0.3540	18.74	19.56	38.30	48.87	-10.57	AVG	P	
5	0.4380	28.13	19.49	47.62	57.10	-9.48	peak	P	
6 *	0.4420	18.77	19.49	38.26	47.02	-8.76	AVG	P	
7	0.4980	26.65	19.45	46.10	56.03	-9.93	peak	P	
8	0.5460	16.39	19.43	35.82	46.00	-10.18	AVG	P	
9	0.8820	24.40	19.47	43.87	56.00	-12.13	peak	P	
10	0.9780	14.61	19.54	34.15	46.00	-11.85	AVG	P	
11	10.5500	12.98	19.62	32.60	50.00	-17.40	AVG	P	
12	10.5659	27.29	19.62	46.91	60.00	-13.09	peak	P	