

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:

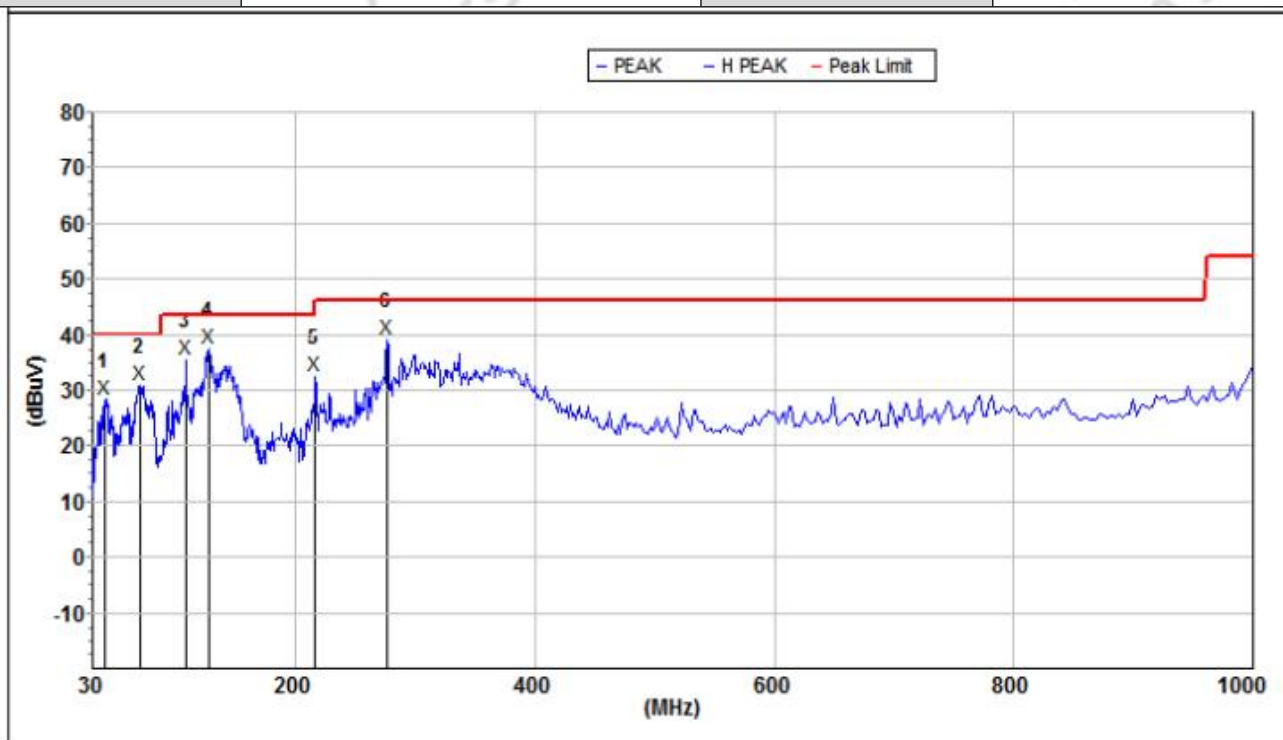
- 1.The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.
- 2.The all data rate modes had been test, but only worse test data was recorded in the test report.

Below 1GHz:

Note:

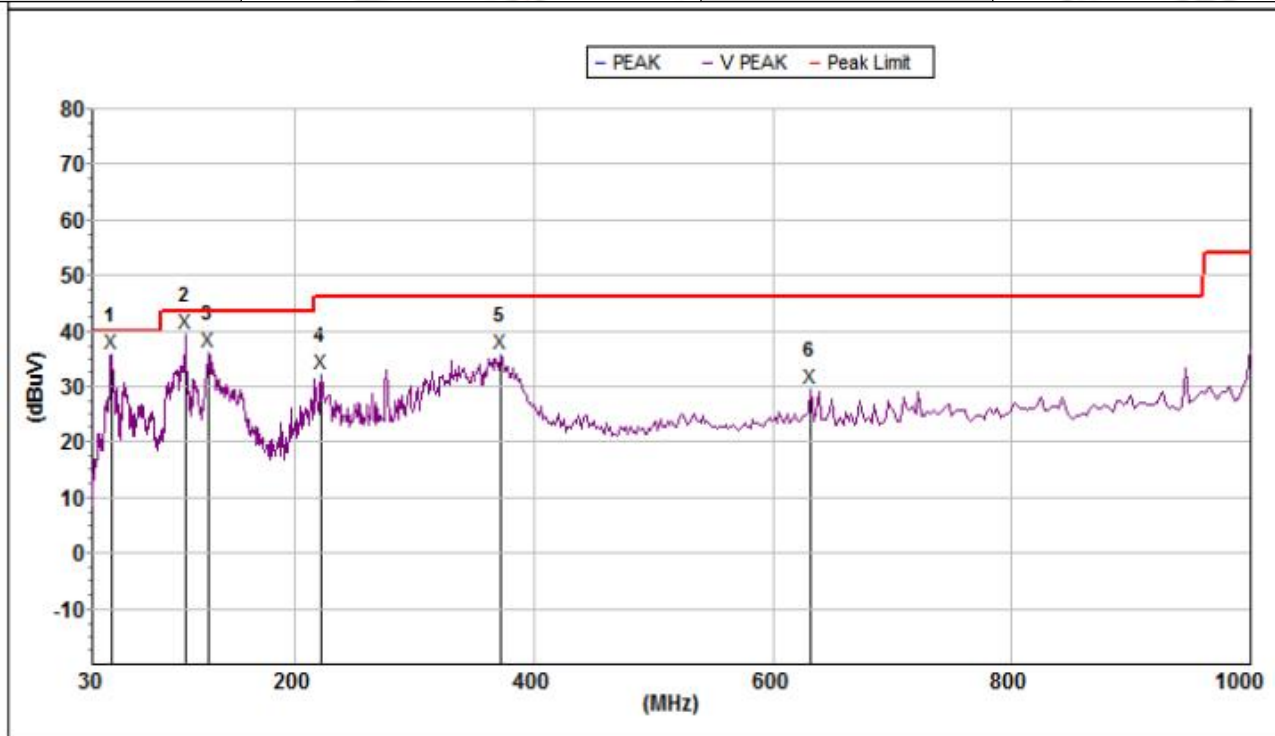
- 1.All modes have been tested, only worst (3DH5-2441MHz)mode was recorded in the test report.
- 2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
- 3.Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
- 4.The emission levels of other frequencies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

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5_2441MHz	Antenna	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	40.988	70.3	-41.8	28.5	40.0	11.5	H
2	69.114	76.3	-45.3	31.0	40.0	9.0	H
3	107.888	73.7	-38.1	35.6	43.5	7.9	H
4	127.665	71.6	-33.9	37.7	43.5	5.8	H
5	216.024	62.3	-29.8	32.5	46.0	13.5	H
6	276.124	66.2	-27.0	39.2	46.0	6.8	H

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5_2441MHz	Antenna	Vertical



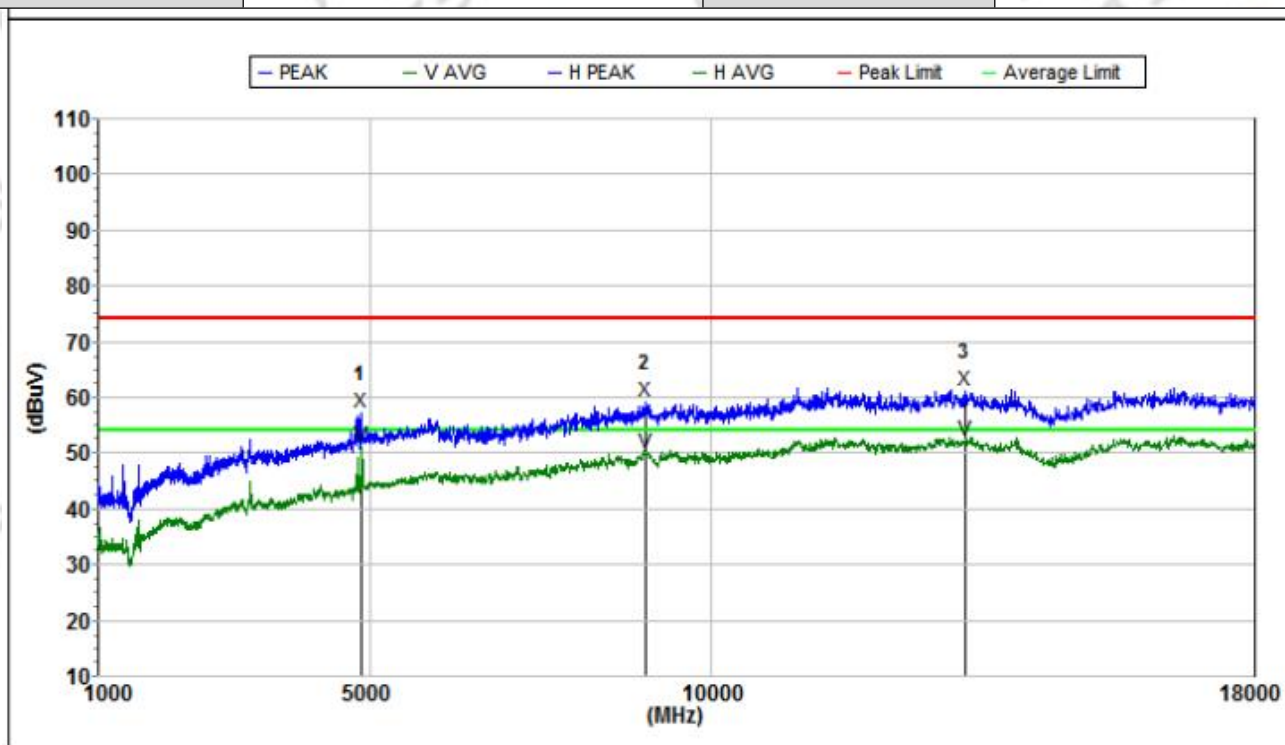
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	45.535	80.4	-44.5	35.9	40.0	4.1	V
2	107.888	73.7	-34.0	39.7	43.5	3.8	V
3	127.665	74.1	-37.7	36.4	43.5	7.1	V
4	221.392	60.6	-28.2	32.4	46.0	13.6	V
5	372.005	61.2	-25.4	35.8	46.0	10.2	V
6	631.688	50.6	-20.9	29.7	46.0	16.3	V

Above 1GHz:

Note:

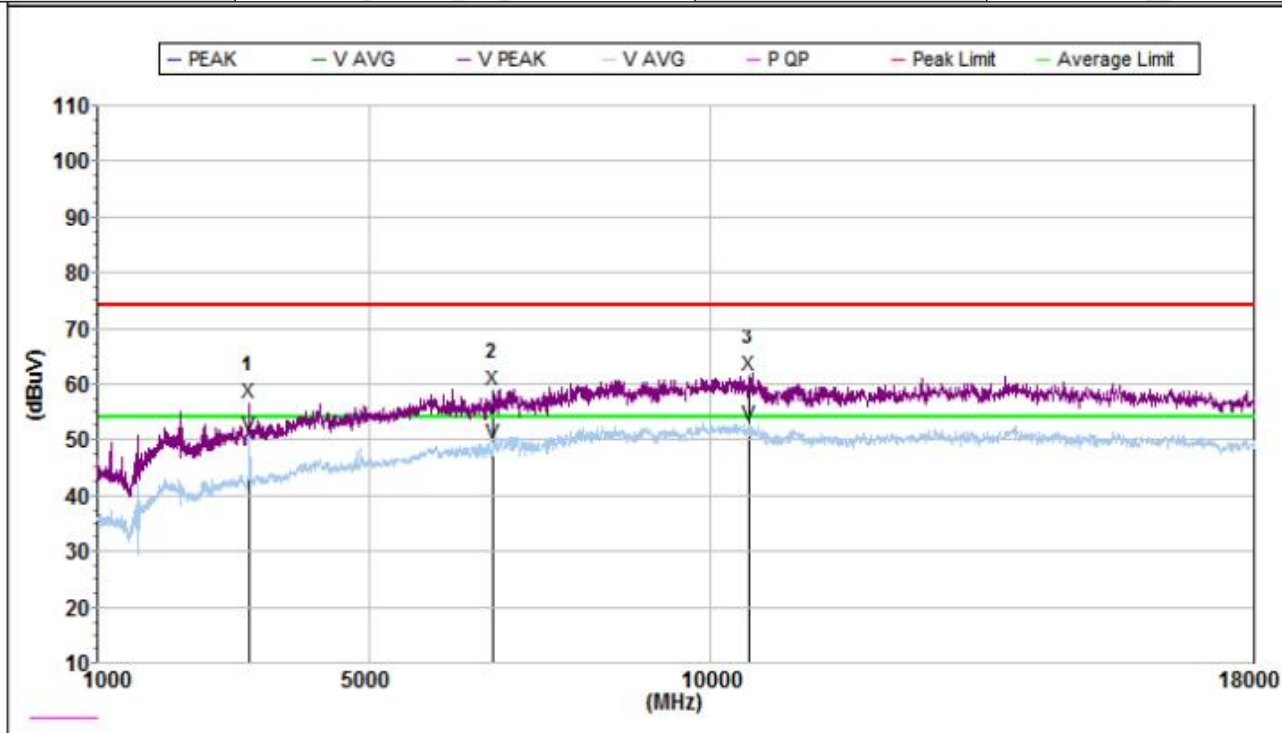
- 1.All modes have been tested, only worst (3DH5)mode was recorded in the test report.
- 2.In frequency ranges 18 ~25GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 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	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2402MHz	Antenna	Horizontal



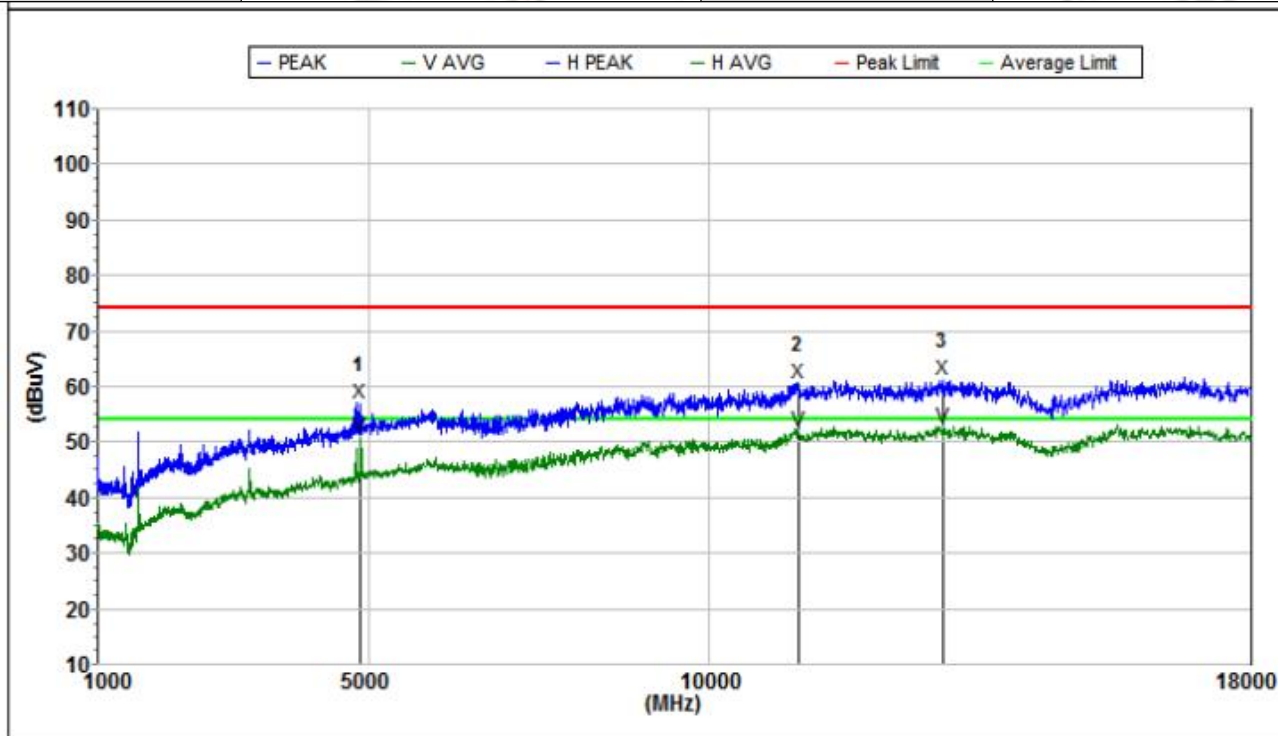
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4880.000	63.5	-6.0	57.5	74.0	16.5	H
2	9042.000	59.6	-0.1	59.5	74.0	14.5	H
3	13752.000	58.5	2.7	61.2	74.0	12.8	H
Avg							
1	4880.000	57.3	-6.0	51.3	54.0	2.7	H
2	9042.000	50.2	-0.1	50.1	54.0	3.9	H
3	13752.000	49.8	2.7	52.5	54.0	1.5	H

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2402MHz	Antenna	Vertical



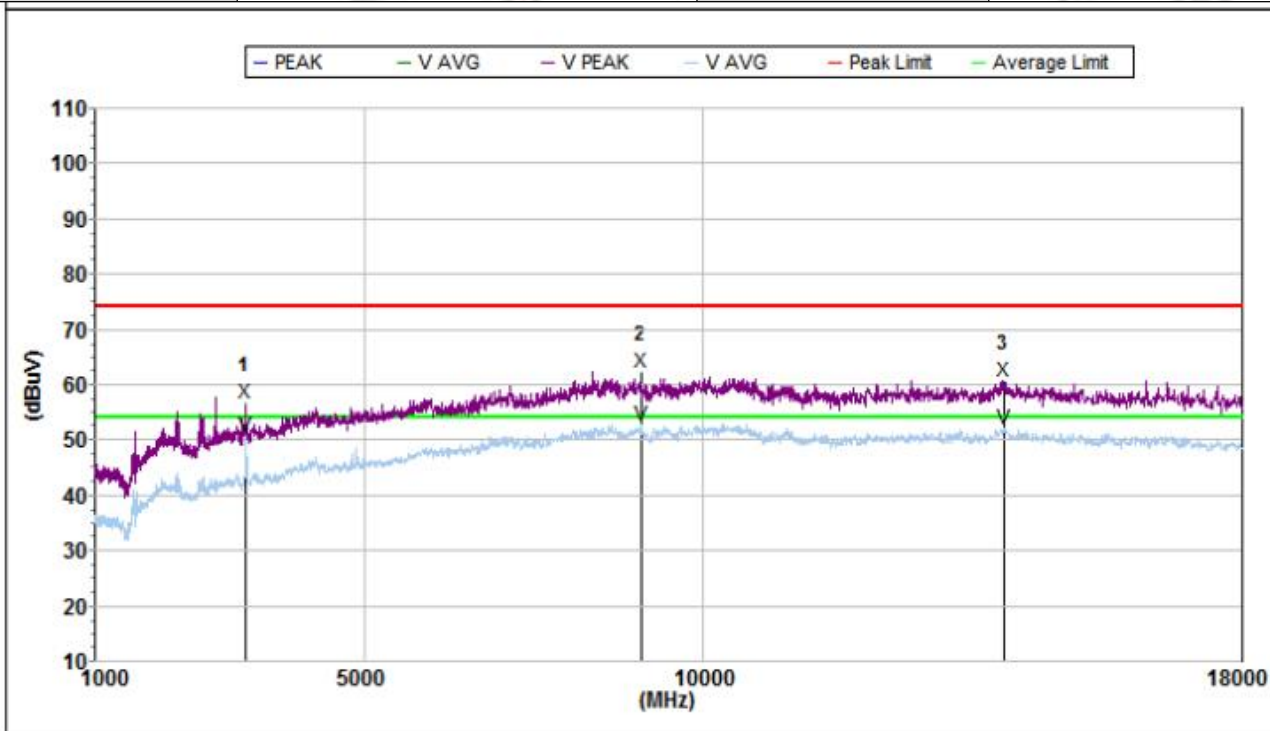
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3242.500	65.8	-9.0	56.8	74.0	17.2	V
2	6816.000	58.5	0.5	59.0	74.0	15.0	V
3	10578.000	58.3	3.2	61.5	74.0	12.5	V
Avg							
1	3242.500	59.8	-9.0	50.8	54.0	3.2	V
2	6816.000	49.1	0.5	49.6	54.0	4.4	V
3	10578.000	49.4	3.2	52.6	54.0	1.4	V

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2441MHz	Antenna	Horizontal



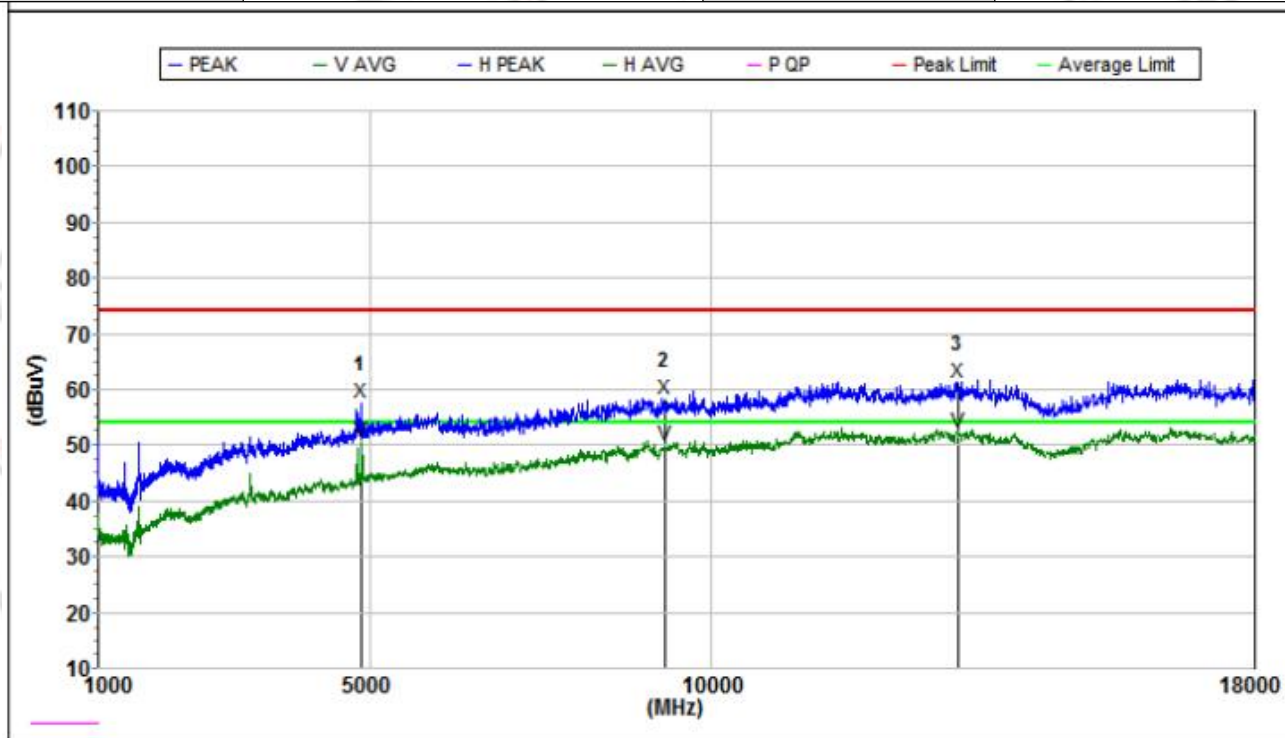
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4880.000	63.2	-6.0	57.2	74.0	16.8	H
2	11334.000	58.3	2.2	60.5	74.0	13.5	H
3	13446.000	58.1	3.1	61.2	74.0	12.8	H
Avg							
1	4880.000	57.0	-6.0	51.0	54.0	3.0	H
2	11334.000	50.0	2.2	52.2	54.0	1.8	H
3	13446.000	49.8	3.1	52.9	54.0	1.1	H

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2441MHz	Antenna	Vertical



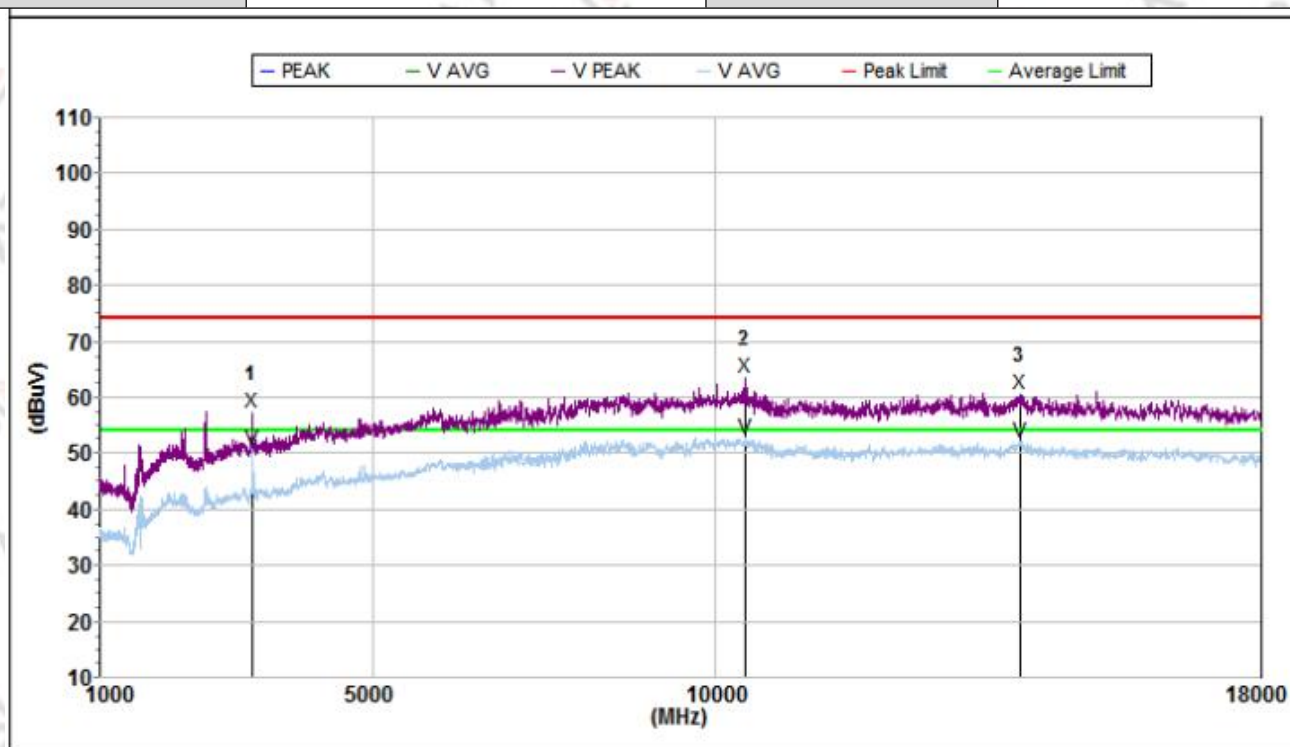
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3242.500	65.6	-9.0	56.6	74.0	17.4	V
2	9102.000	60.2	2.1	62.3	74.0	11.7	V
3	14460.000	58.3	2.5	60.8	74.0	13.2	V
Avg							
1	3242.500	59.7	-9.0	50.7	54.0	3.3	V
2	9102.000	50.7	2.1	52.8	54.0	1.2	V
3	14460.000	49.6	2.5	52.1	54.0	1.9	V

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
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	4880.000	63.6	-6.0	57.6	74.0	16.4	H
2	9342.000	58.2	0.3	58.5	74.0	15.5	H
3	13650.000	58.4	2.9	61.3	74.0	12.7	H
Avg							
1	4880.000	56.9	-6.0	50.9	54.0	3.1	H
2	9342.000	49.7	0.3	50.0	54.0	4.0	H
3	13650.000	49.5	2.9	52.4	54.0	1.6	H

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2480MHz	Antenna	Vertical



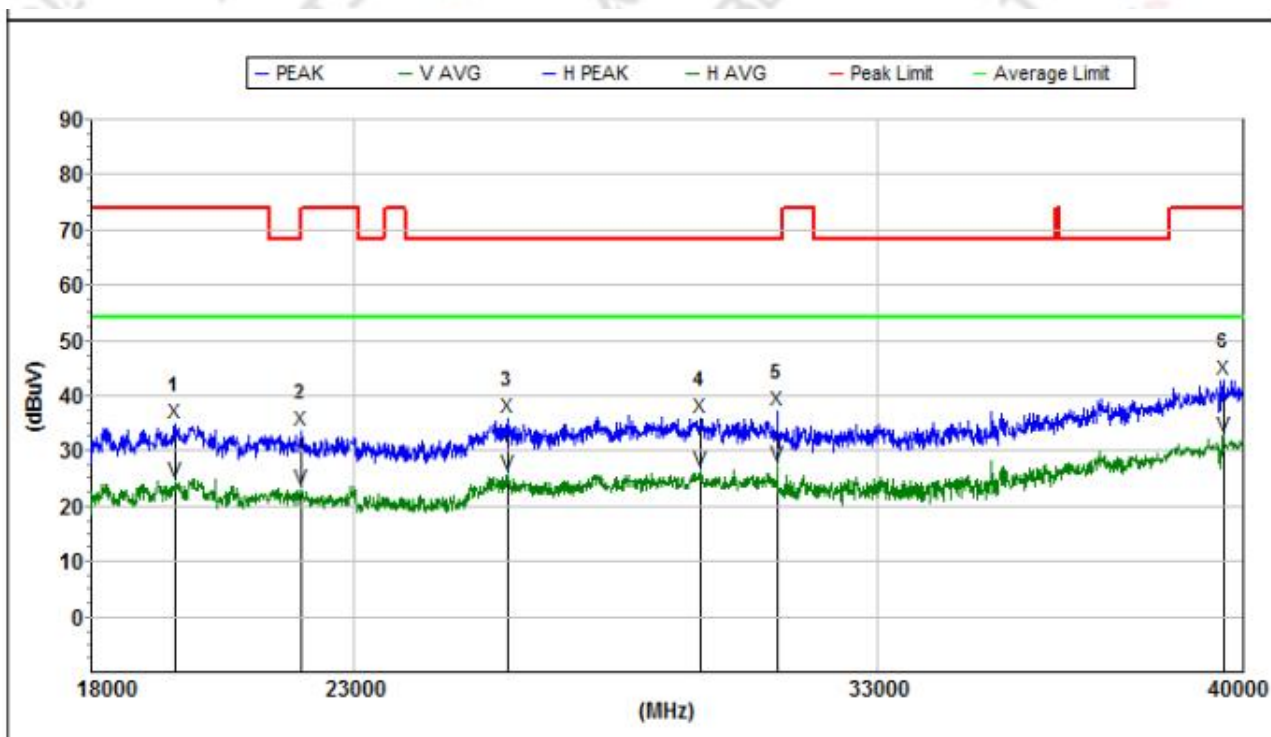
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3242.500	66.4	-9.0	57.4	74.0	16.6	V
2	10446.000	60.3	3.3	63.6	74.0	10.4	V
3	14478.000	58.0	2.5	60.5	74.0	13.5	V
Avg							
1	3242.500	59.7	-9.0	50.7	54.0	3.3	V
2	10446.000	49.5	3.3	52.8	54.0	1.2	V
3	14478.000	49.6	2.5	52.1	54.0	1.9	V

18GHz-40GHz:

Note:

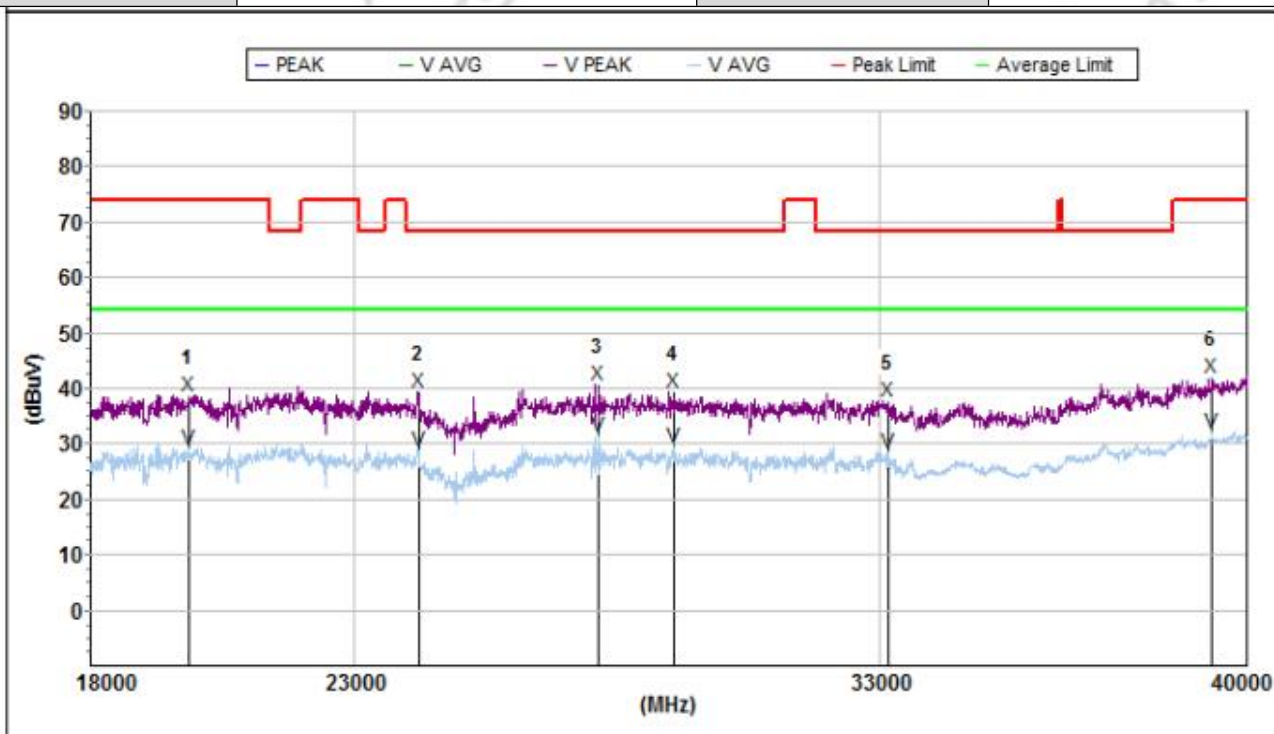
1. All modes have been tested, only worst (DH5-2402MHz)mode was recorded in the test report.
2. While performing the testing, the notch filter is used for avoiding test instrument overload.

	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2441MHz	Antenna Pol.	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	19617.000	56.6	-21.4	35.2	74.0	38.8	H
2	22026.000	55.3	-21.6	33.7	74.0	40.3	H
3	25964.000	53.5	-17.6	35.9	68.2	32.3	H
4	29627.000	52.4	-16.4	36.0	68.2	32.2	H
5	31112.000	54.4	-17.0	37.4	68.2	30.8	H
6	39626.000	58.1	-15.2	42.9	74.0	31.1	H
Avg							
1	19617.000	45.8	-21.4	24.4	54.0	29.6	H
2	22026.000	44.9	-21.6	23.3	54.0	30.7	H
3	25964.000	43.6	-17.6	26.0	54.0	28.0	H
4	29627.000	42.8	-16.4	26.4	54.0	27.6	H
5	31112.000	44.4	-17.0	27.4	54.0	26.6	H
6	39626.000	48.1	-15.2	32.9	54.0	21.1	H

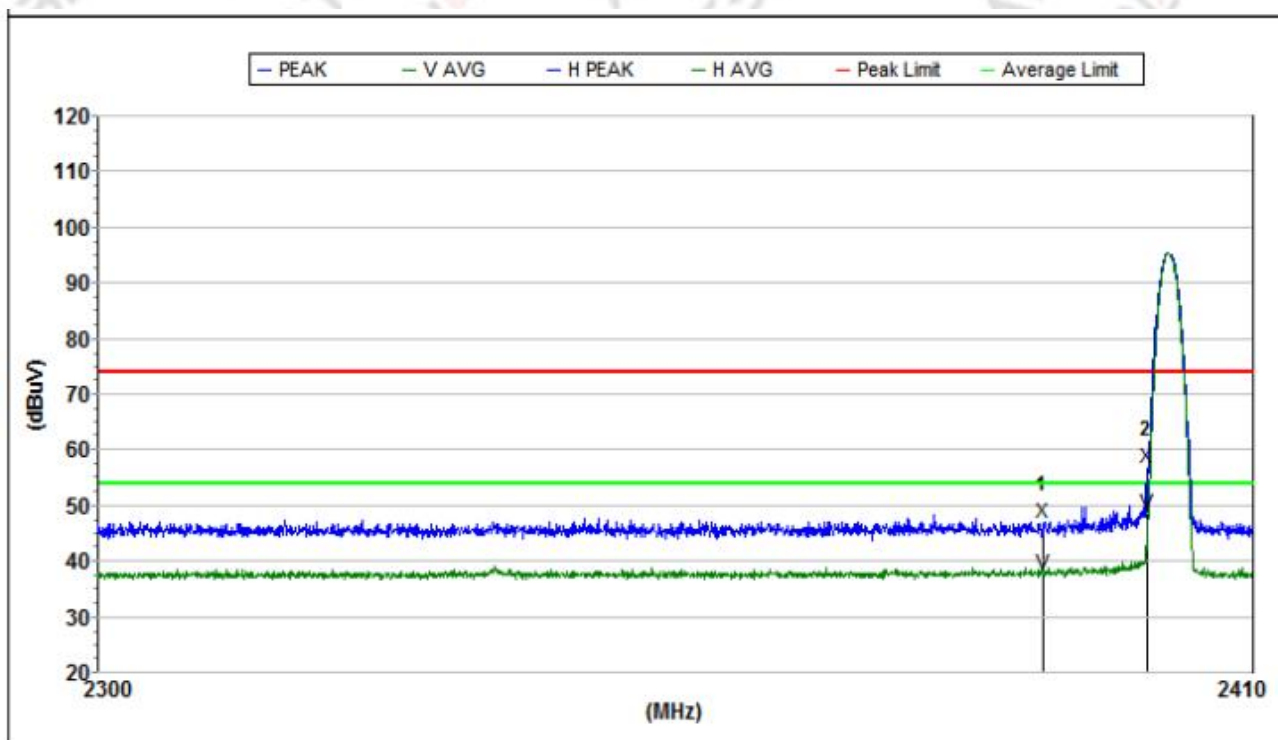
EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2441MHz	Antenna Pol.	Vertical



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	19870.000	38.6	0.0	38.6	74.0	35.4	V
2	24248.000	39.4	0.0	39.4	68.2	28.8	V
3	27658.000	40.7	0.0	40.7	68.2	27.5	V
4	29099.000	39.2	0.0	39.2	68.2	29.0	V
5	33169.000	37.8	0.0	37.8	68.2	30.4	V
6	39329.000	42.1	0.0	42.1	74.0	31.9	V
Avg							
1	19870.000	29.3	0.0	29.3	54.0	24.7	V
2	24248.000	28.8	0.0	28.8	54.0	25.2	V
3	27658.000	31.5	0.0	31.5	54.0	22.5	V
4	29099.000	29.4	0.0	29.4	54.0	24.6	V
5	33169.000	28.5	0.0	28.5	54.0	25.5	V
6	39329.000	32.0	0.0	32.0	54.0	22.0	V

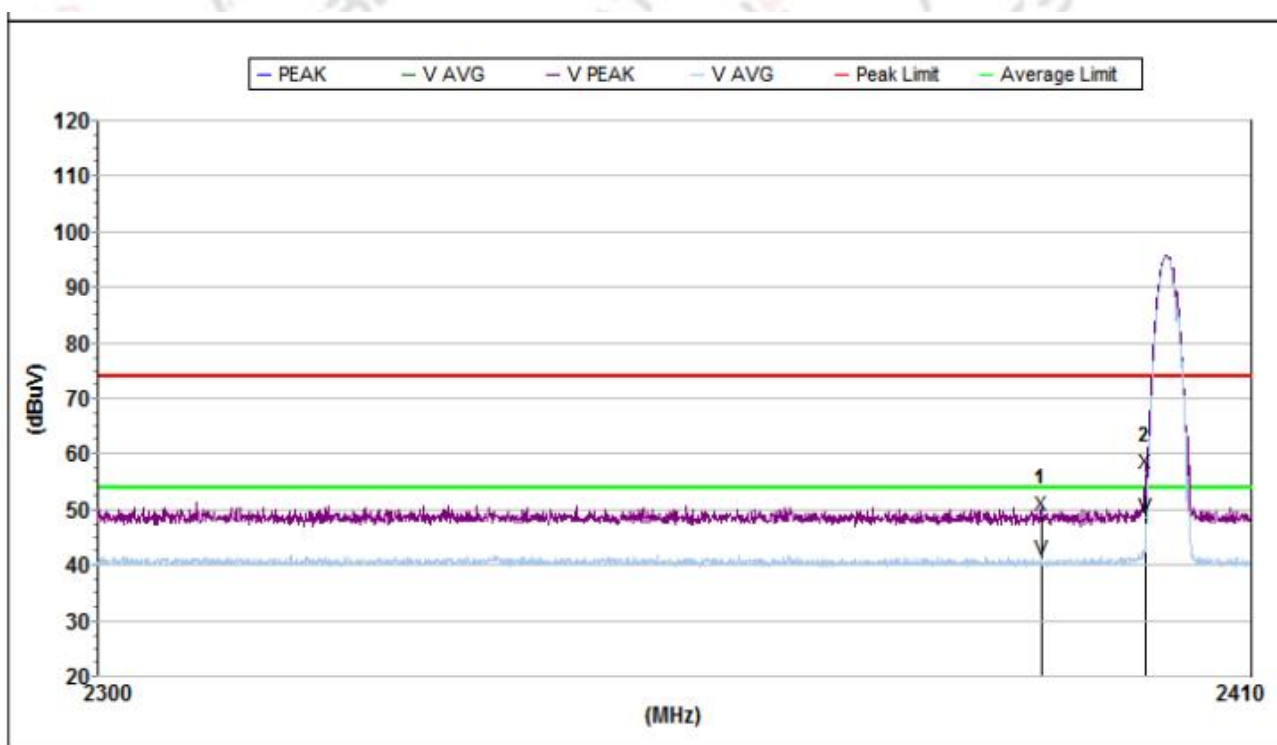
Restricted Band:

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5--2402MHz	Antenna	Horizontal



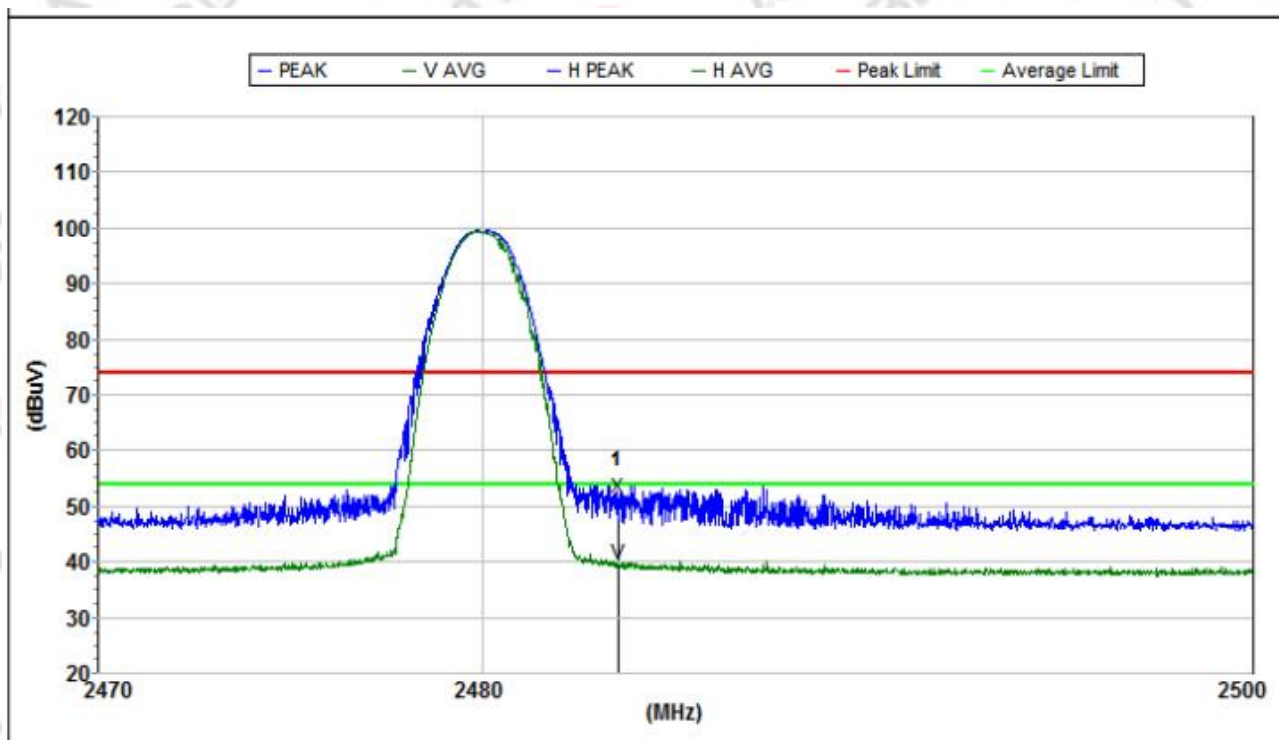
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	61.3	-14.2	47.1	74.0	26.9	H
2	2400.000	70.9	-14.2	56.7	74.0	17.3	H
Avg							
1	2390.000	51.8	-14.2	37.6	54.0	16.4	H
2	2400.000	62.9	-14.2	48.7	54.0	5.3	H

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2402MHz	Antenna	Vertical



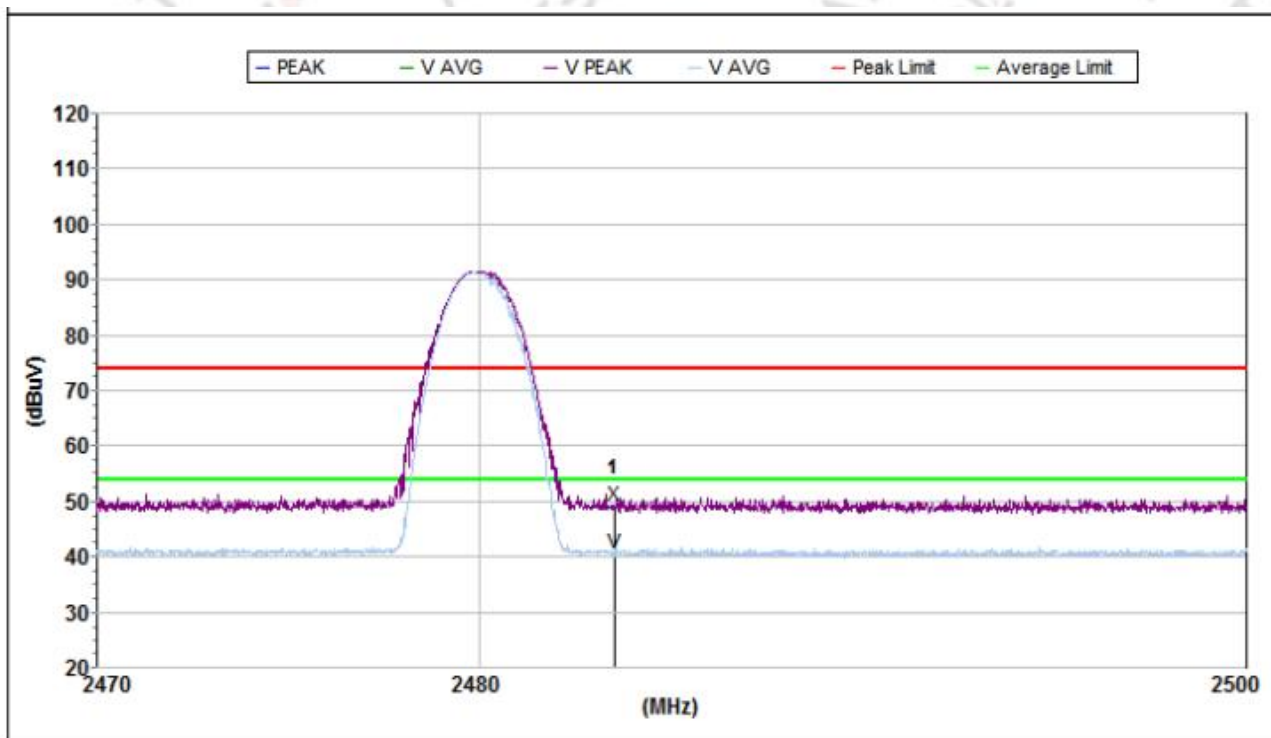
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	60.4	-11.3	49.1	74.0	24.9	V
2	2400.000	67.9	-11.4	56.5	74.0	17.5	V
Avg							
1	2390.000	52.3	-11.3	41.0	54.0	13.0	V
2	2400.000	59.9	-11.4	48.5	54.0	5.5	V

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
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	65.9	-14.3	51.6	74.0	22.4	H
Avg							
1	2483.500	53.9	-14.3	39.6	54.0	14.4	H

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
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	61.1	-11.7	49.4	74.0	24.6	V
Avg							
1	2483.500	52.3	-11.7	40.6	54.0	13.4	V

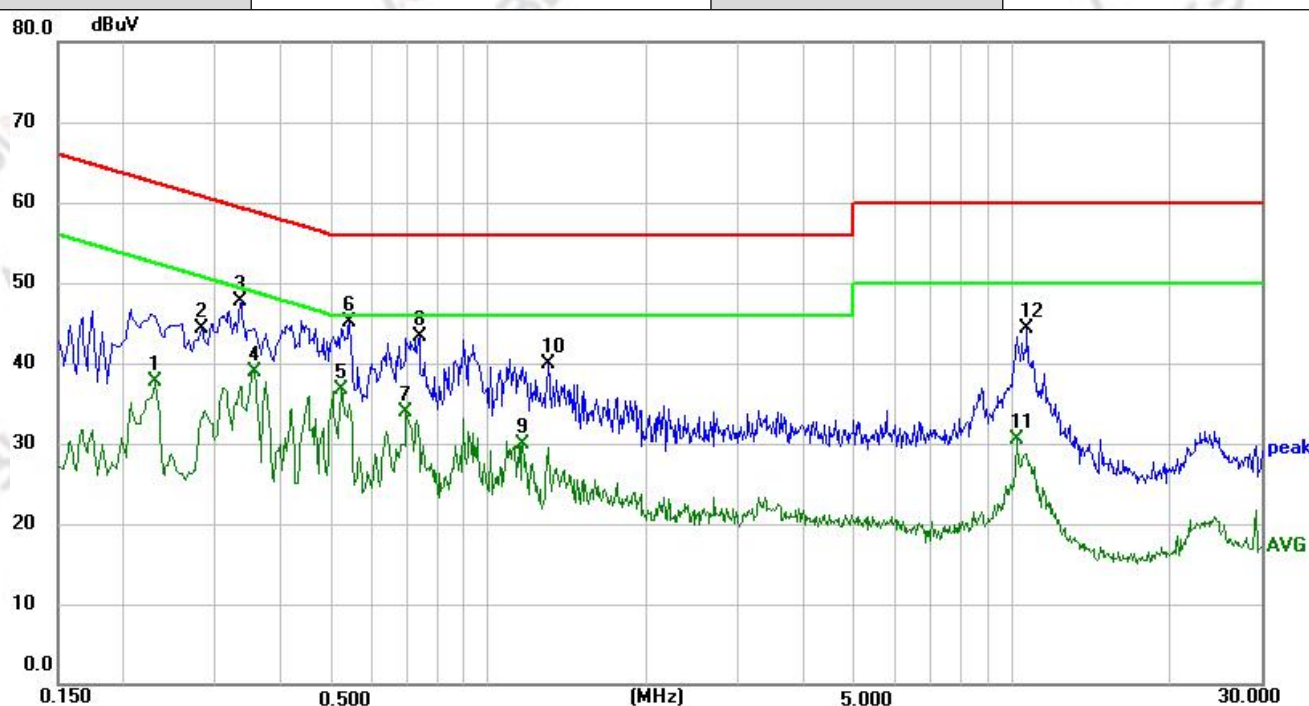
9.AC Power-Line Conducted Emission

Test Result

Note:

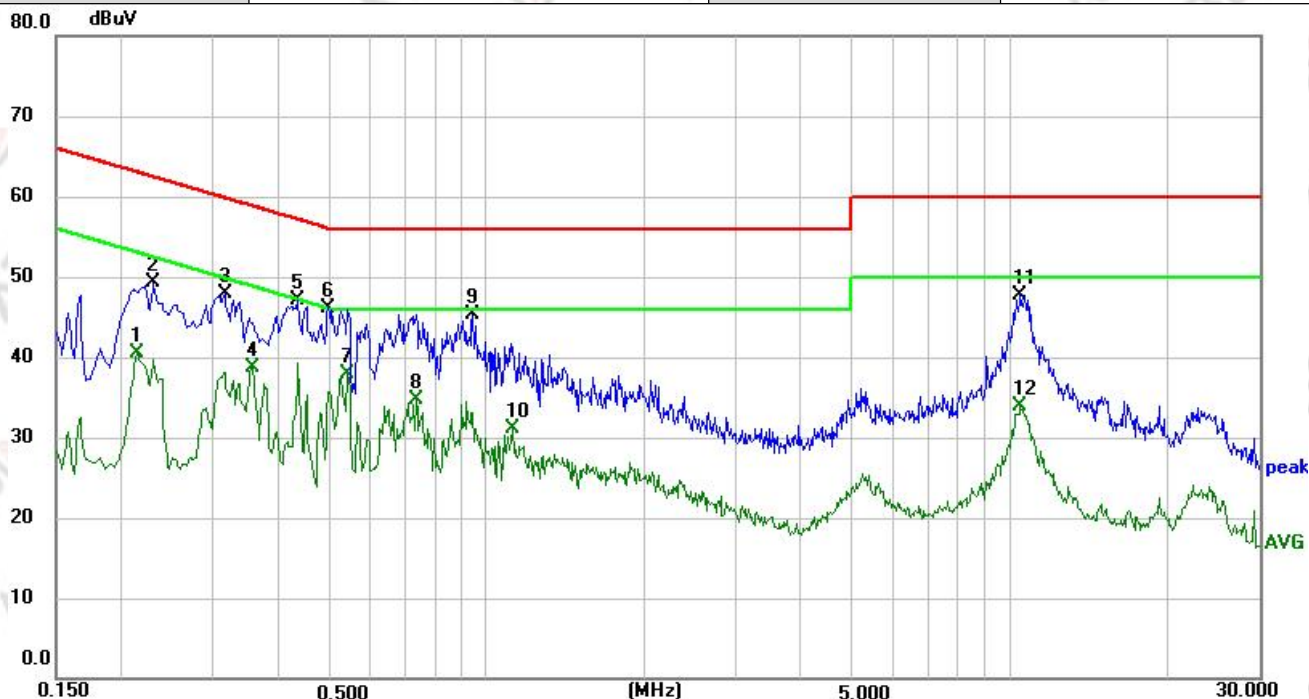
- 1.All modes have been tested, only worst mode(3DH5-2480MHz) was recorded in the test report.
- 2.Emission Level = Reading Value + Correction Factor .
3. Correction Factor = Insertion loss + Cable loss.
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2480MHz	Phase	L1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2300	18.11	19.60	37.71	52.45	-14.74	AVG	P	
2	0.2819	24.75	19.60	44.35	60.76	-16.41	peak	P	
3	0.3339	28.04	19.57	47.61	59.35	-11.74	peak	P	
4	0.3540	19.34	19.56	38.90	48.87	-9.97	AVG	P	
5 *	0.5220	17.15	19.47	36.62	46.00	-9.38	AVG	P	
6	0.5420	25.67	19.49	45.16	56.00	-10.84	peak	P	
7	0.6940	14.17	19.64	33.81	46.00	-12.19	AVG	P	
8	0.7380	23.59	19.64	43.23	56.00	-12.77	peak	P	
9	1.1620	10.26	19.56	29.82	46.00	-16.18	AVG	P	
10	1.3020	20.41	19.56	39.97	56.00	-16.03	peak	P	
11	10.1860	10.69	19.72	30.41	50.00	-19.59	AVG	P	
12	10.7220	24.54	19.71	44.25	60.00	-15.75	peak	P	

EUT	2.4 GHz Dongle	Model Name	ARG-HS-2847BK-D
Test Mode	3DH5-2480MHz	Phase	N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2140	20.89	19.61	40.50	53.05	-12.55	AVG	P	
2	0.2300	29.61	19.60	49.21	62.45	-13.24	peak	P	
3	0.3140	28.33	19.58	47.91	59.86	-11.95	peak	P	
4	0.3540	19.24	19.56	38.80	48.87	-10.07	AVG	P	
5	0.4340	27.68	19.49	47.17	57.18	-10.01	peak	P	
6	0.4980	26.75	19.45	46.20	56.03	-9.83	peak	P	
7 *	0.5420	18.49	19.49	37.98	46.00	-8.02	AVG	P	
8	0.7340	15.11	19.64	34.75	46.00	-11.25	AVG	P	
9	0.9420	25.68	19.58	45.26	56.00	-10.74	peak	P	
10	1.1180	11.54	19.56	31.10	46.00	-14.90	AVG	P	
11	10.4540	28.09	19.71	47.80	60.00	-12.20	peak	P	
12	10.4540	14.29	19.71	34.00	50.00	-16.00	AVG	P	