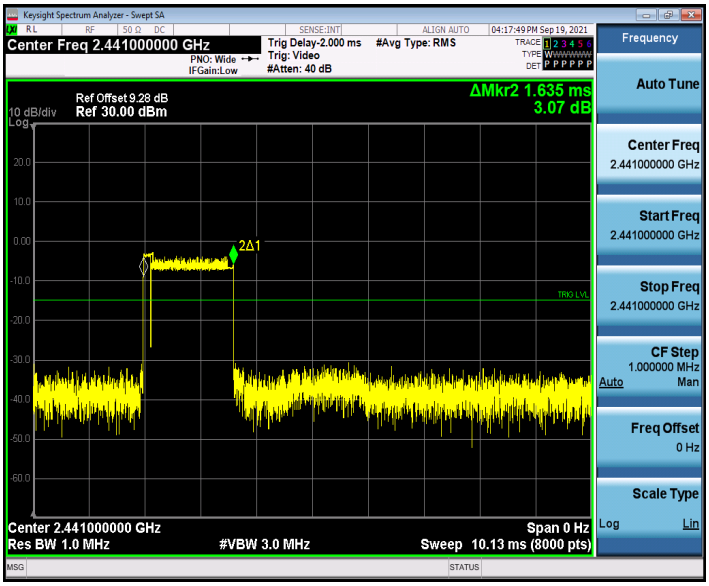
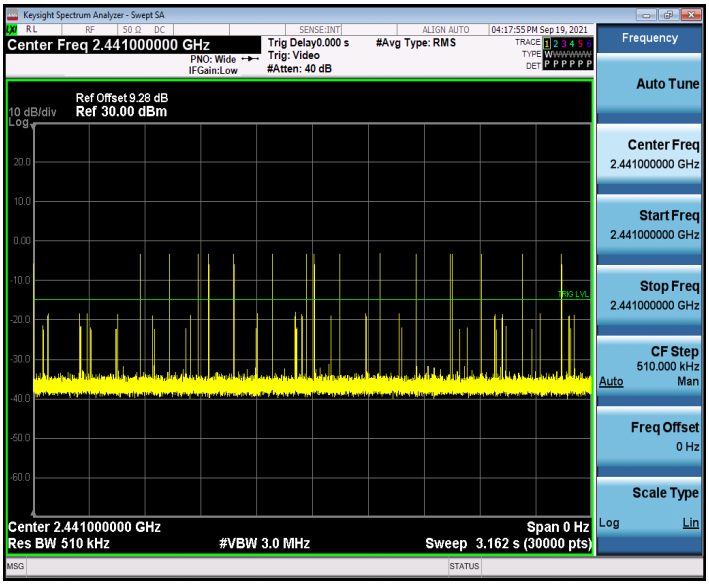
3DH3_Ant1_Hop



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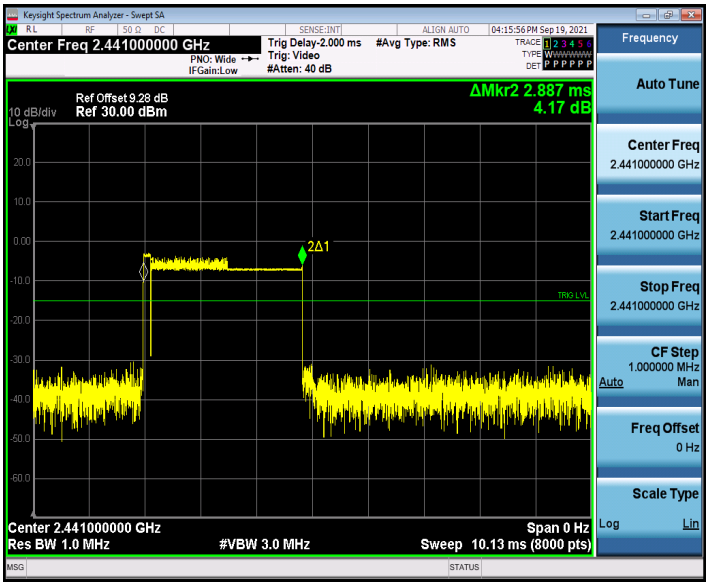
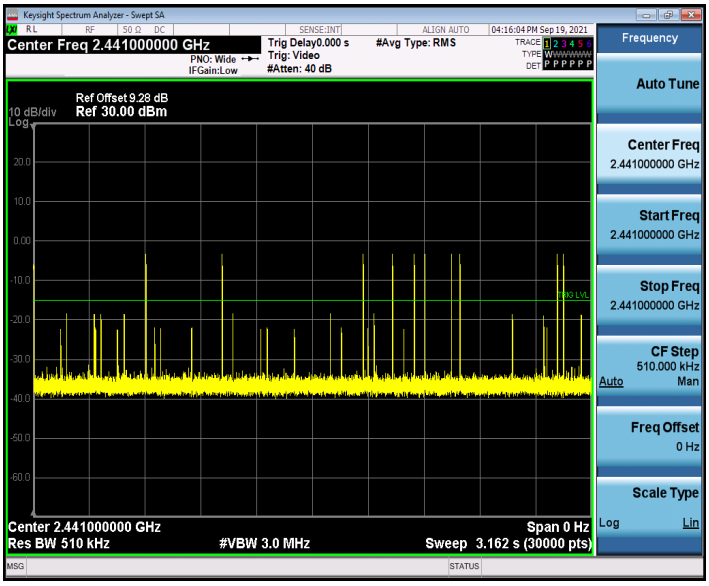
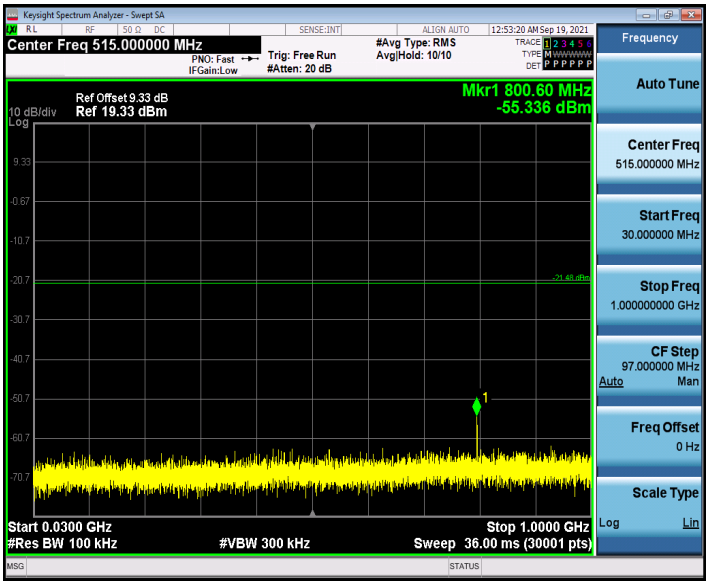
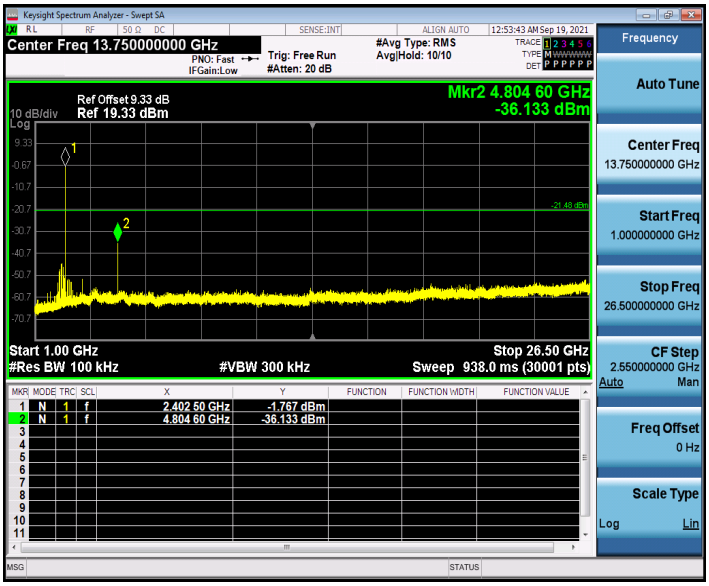



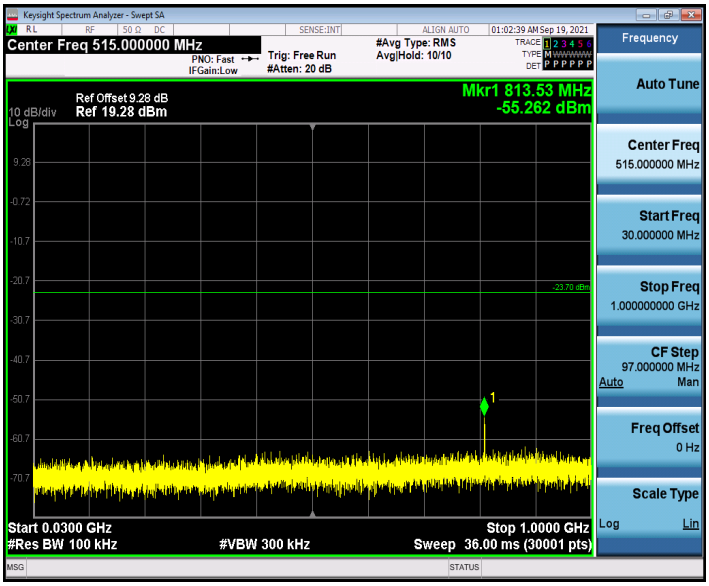
Out of Band Conducted Emissions Measurement

- **Test Graphs**

DH5_Ant1_2402_0~Reference

DH5_Ant1_2402_30~1000


DH5_Ant1_2402_1000~26500

DH5_Ant1_2441_0~Reference


DH5_Ant1_2441_30~1000

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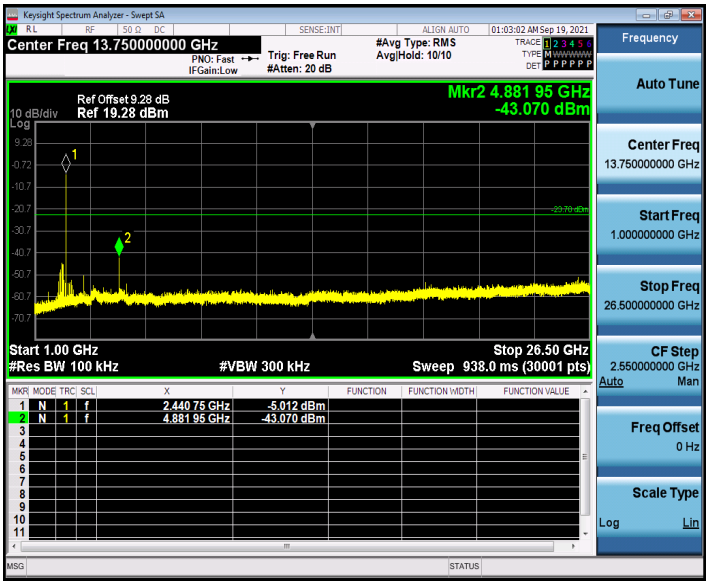
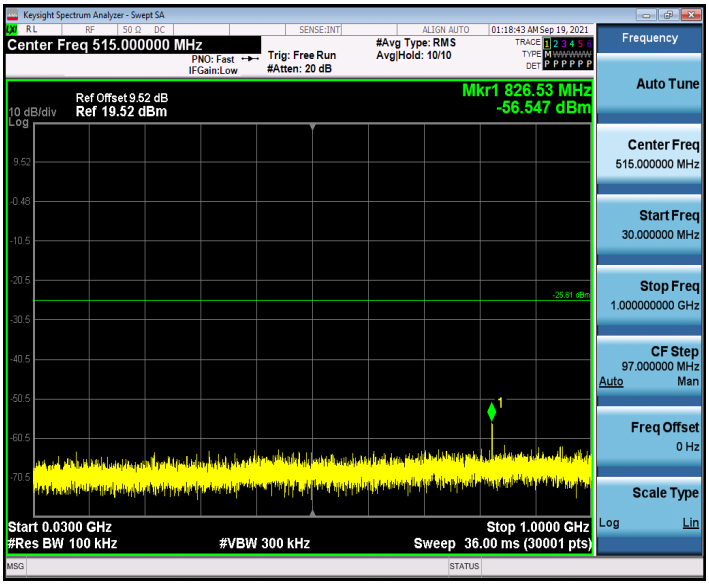
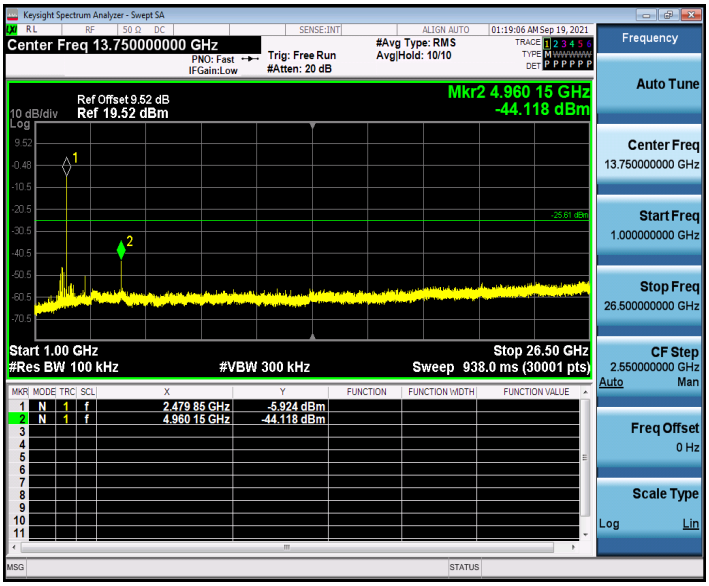
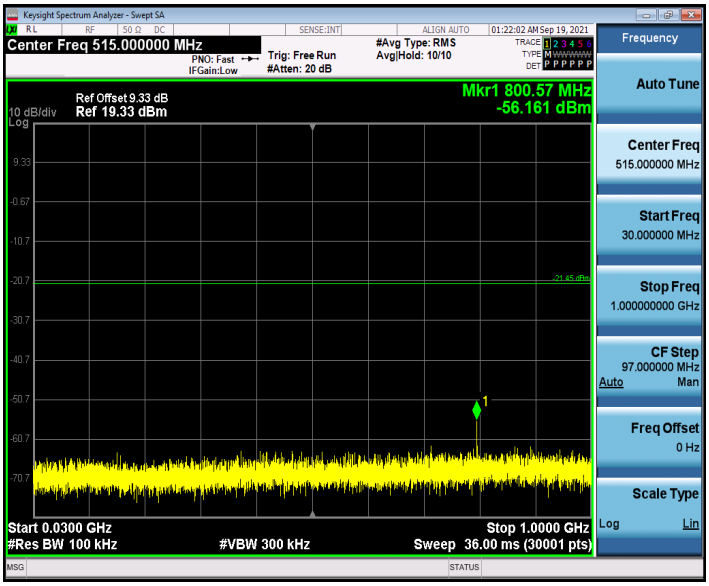


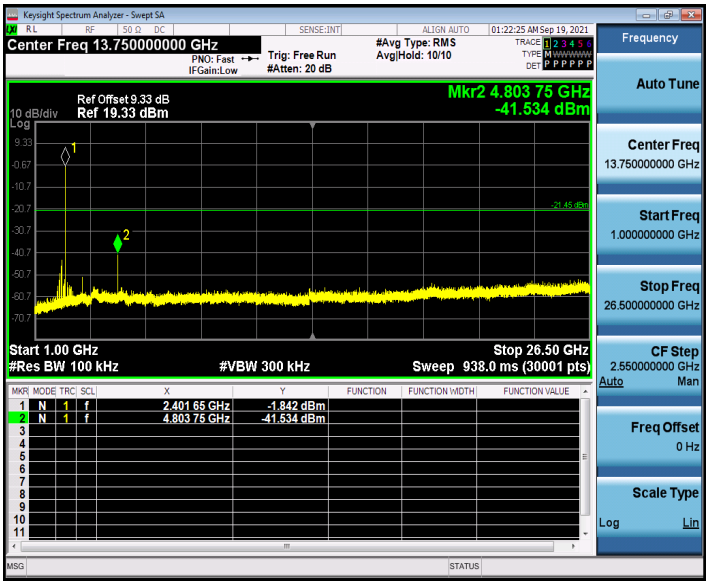
DH5_Ant1_2480_0~Reference

DH5_Ant1_2480_30~1000


DH5_Ant1_2480_1000~26500


2DH5_Ant1_2402_0~Reference


2DH5_Ant1_2402_30~1000


2DH5_Ant1_2402_1000~26500


2DH5_Ant1_2441_0~Reference

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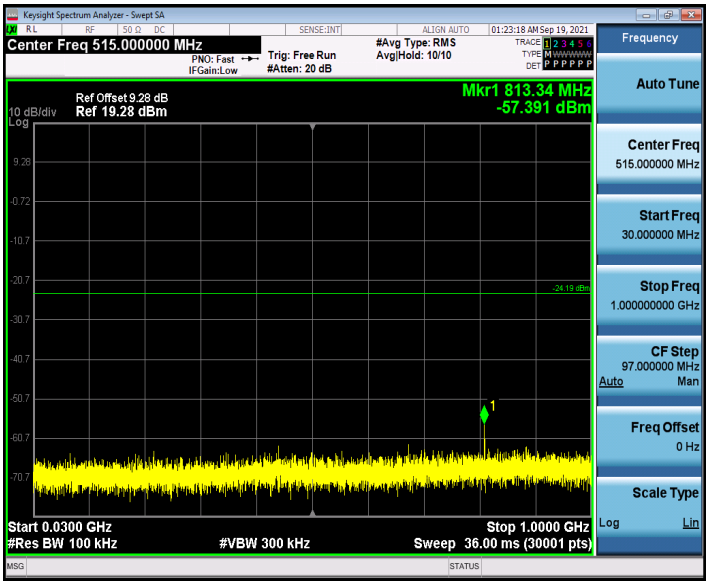

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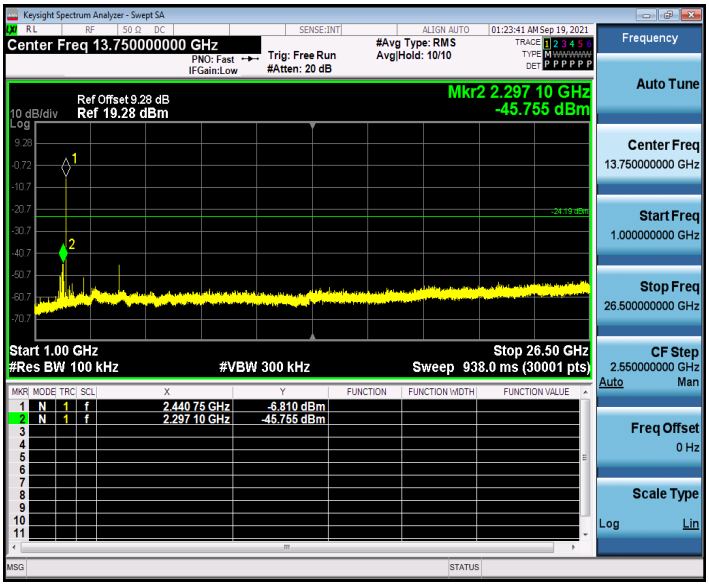
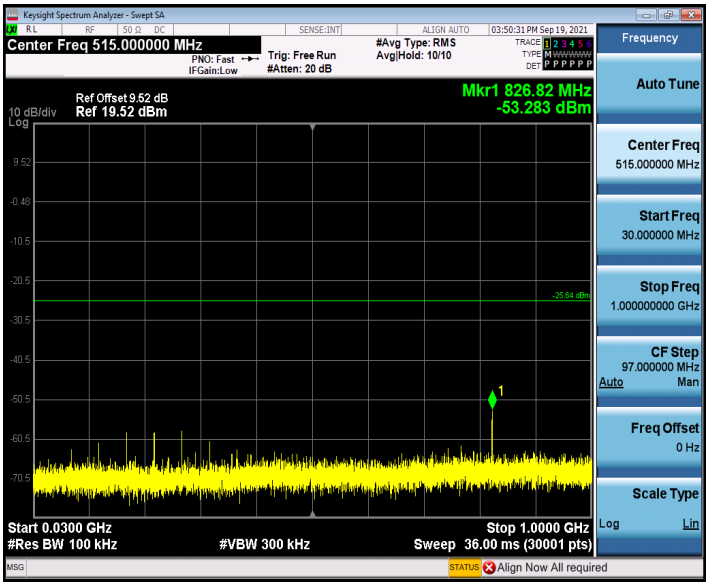


2DH5_Ant1_2480_0~Reference


2DH5_Ant1_2480_30~1000


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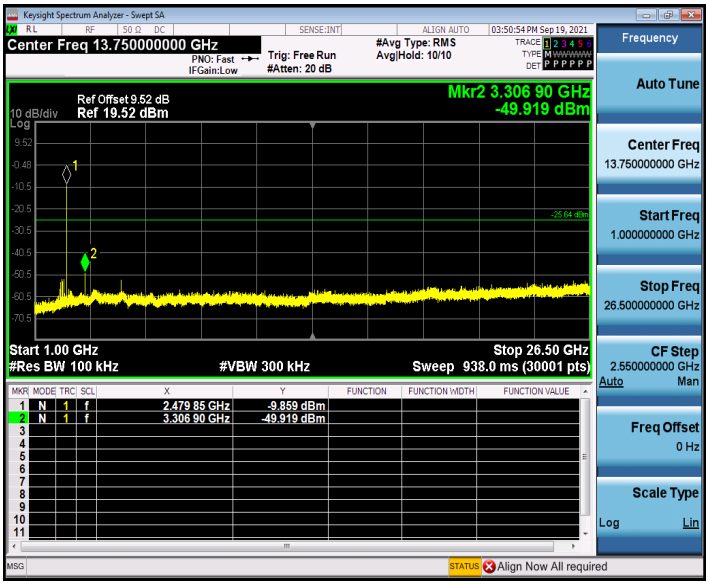
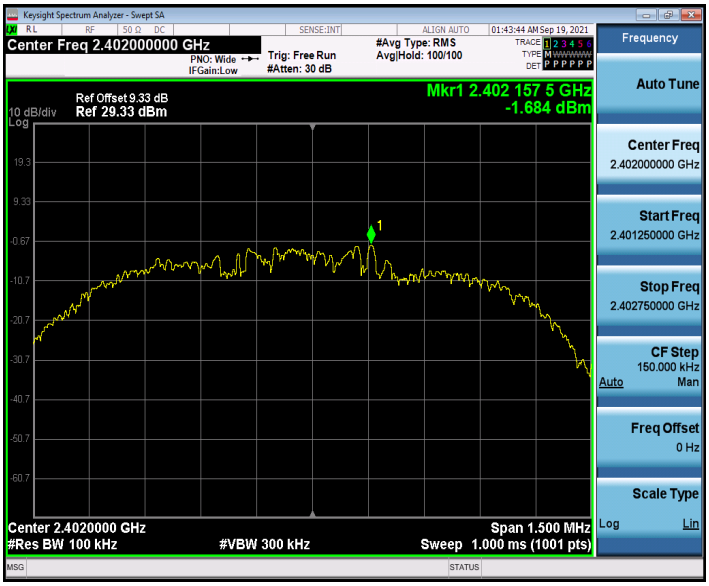


3DH5_Ant1_2402_0~Reference

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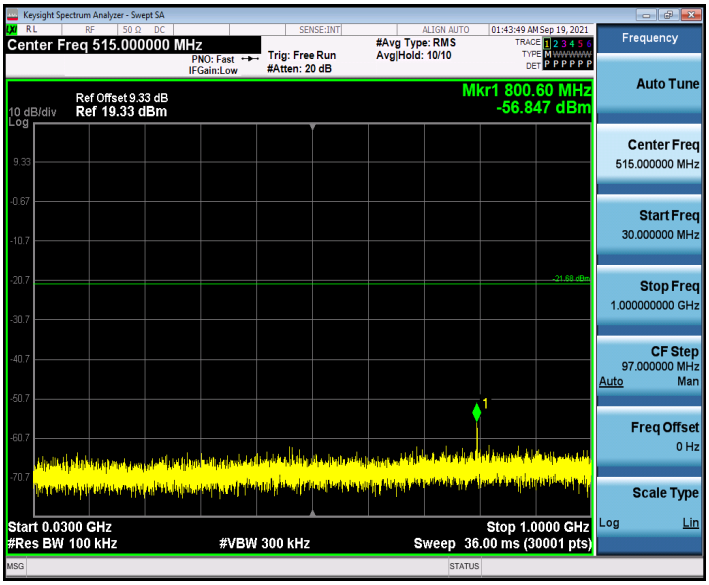

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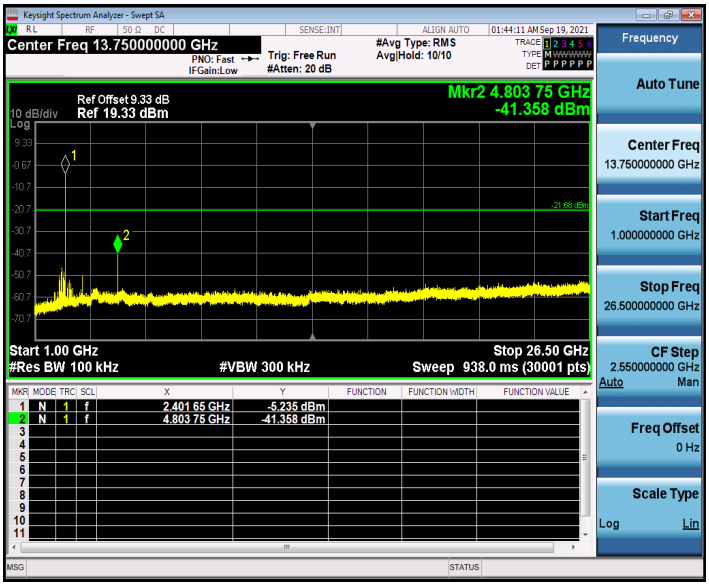
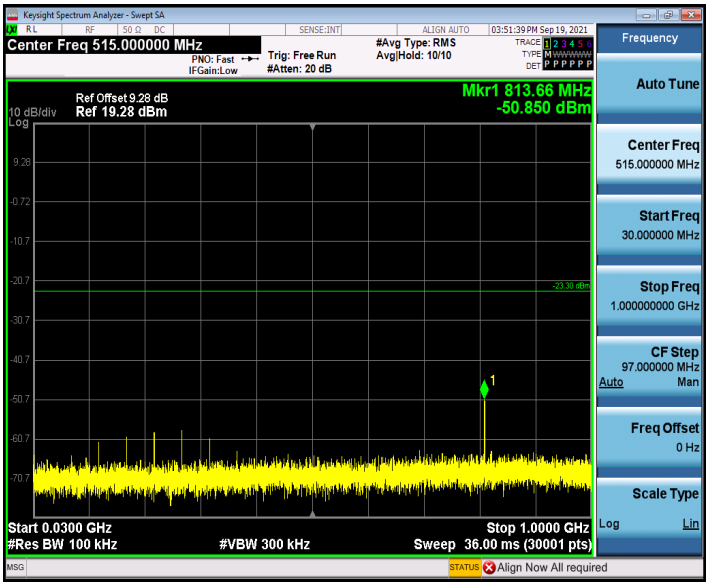


3DH5_Ant1_2441_0~Reference


3DH5_Ant1_2441_30~1000

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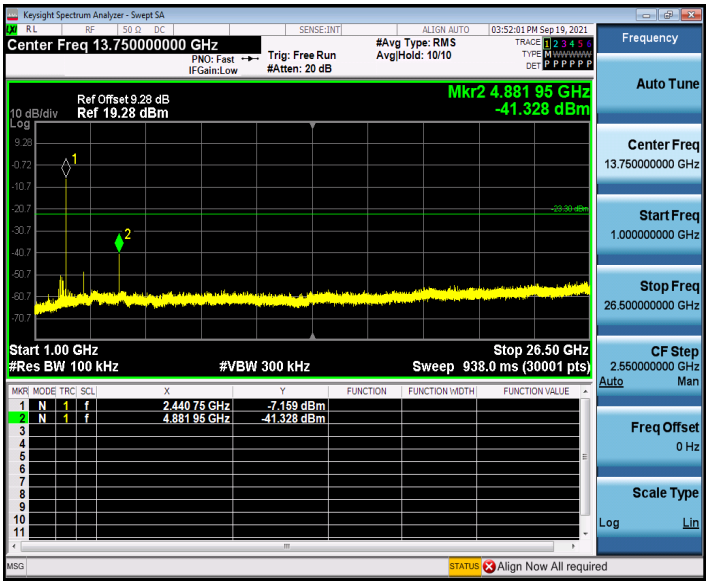
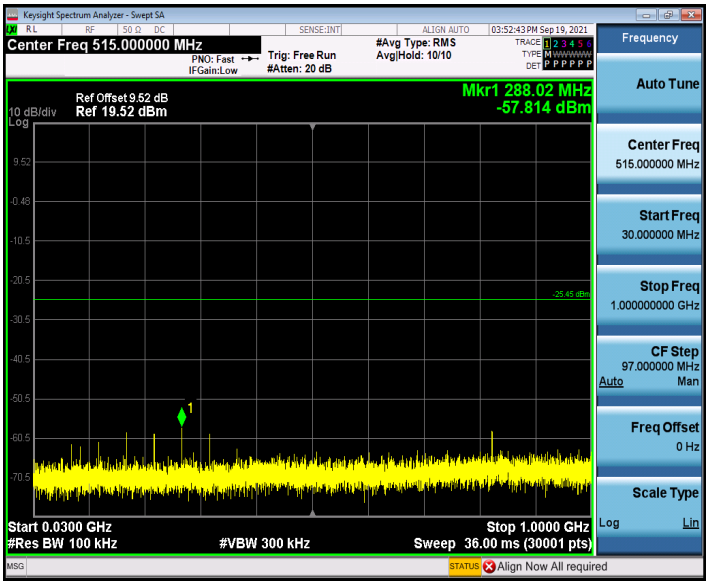


3DH5_Ant1_2480_0~Reference

3DH5_Ant1_2480_30~1000


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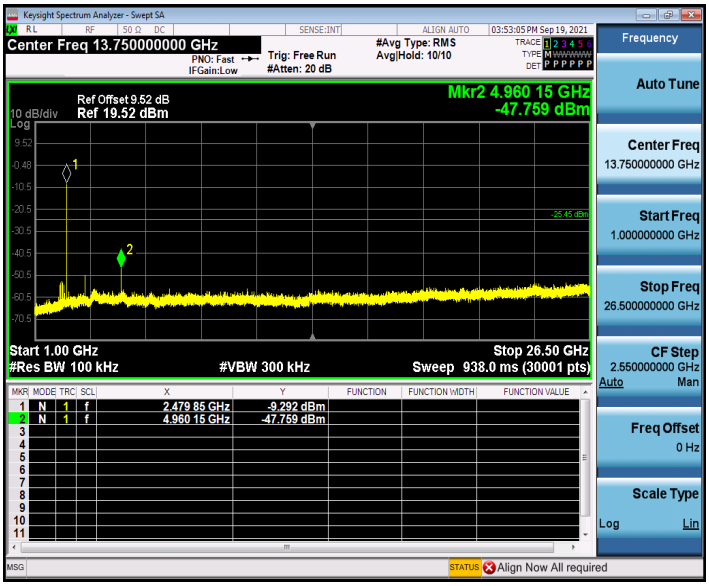
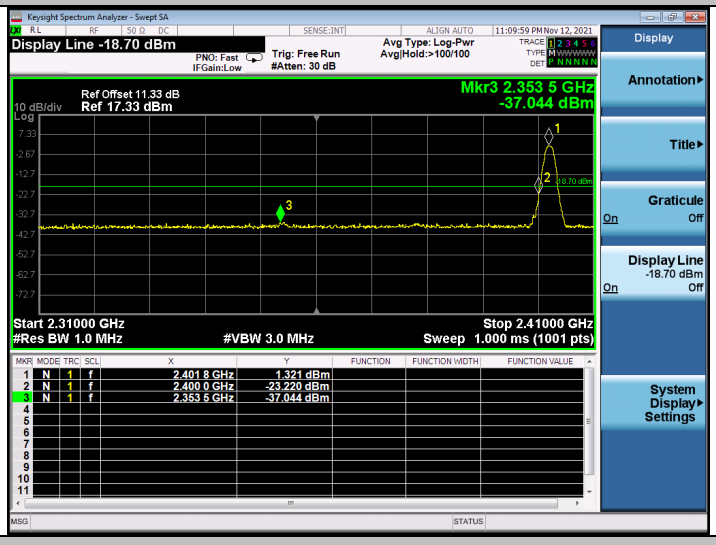


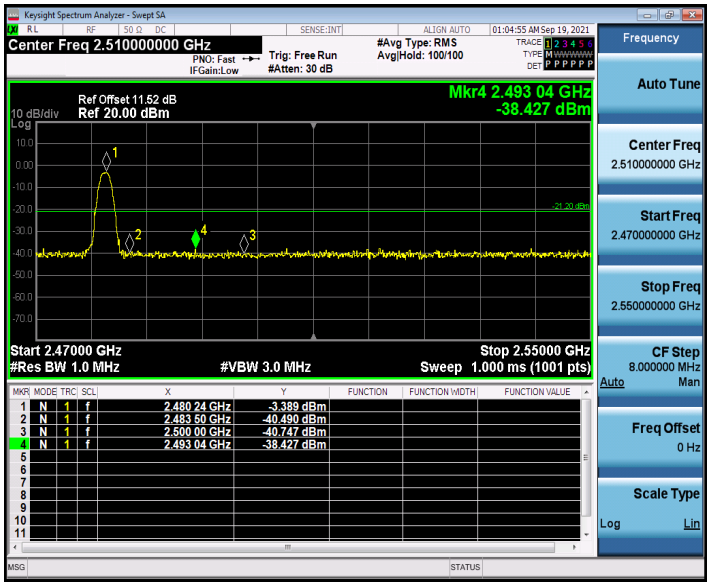
Conducted Band Edge

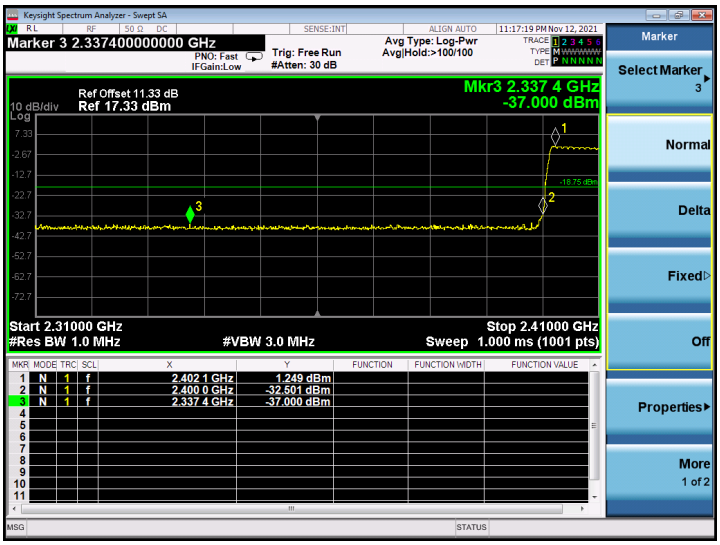
Test Graphs

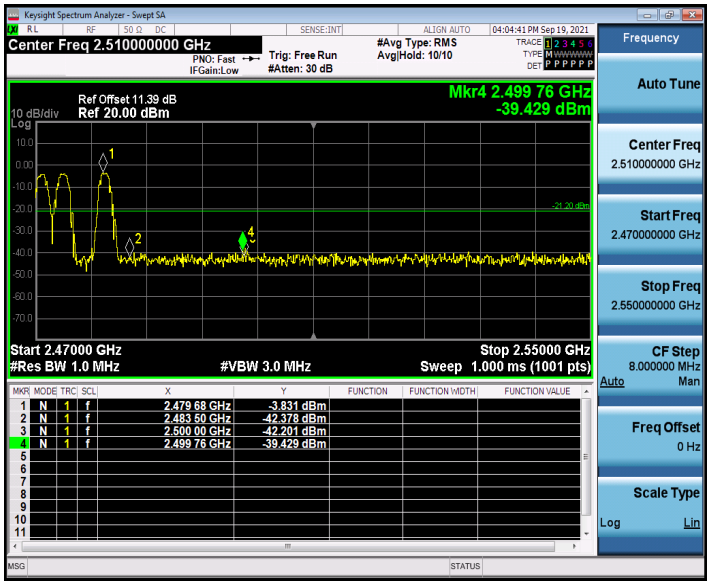
DH5_Ant1_Low_2402_Peak

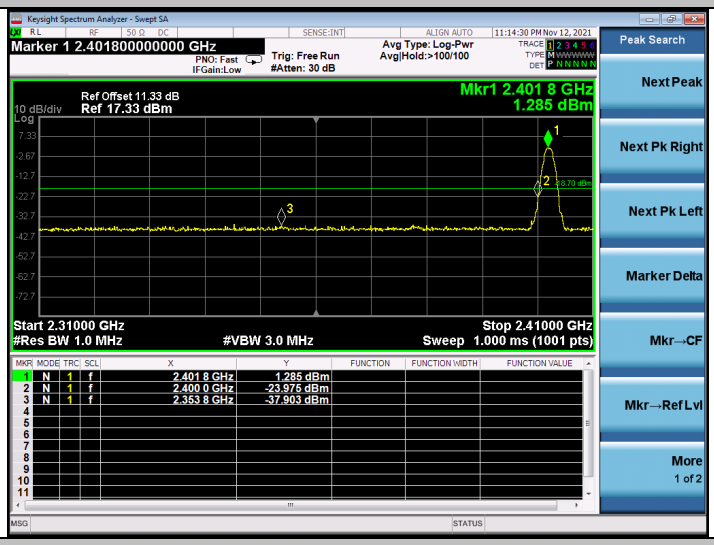


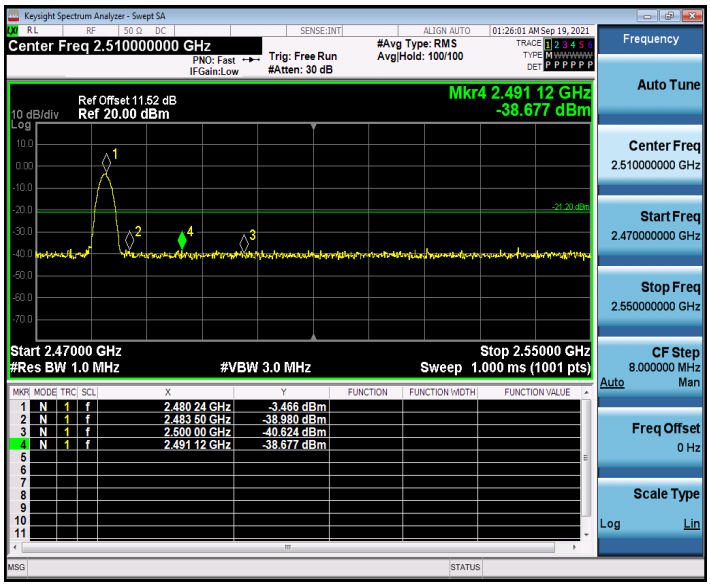
DH5_Ant1_High_2480_Peak



DH5_Ant1_Low_Hop_2402_Peak


DH5_Ant1_High_Hop_2480_Peak


2DH5_Ant1_Low_2402_Peak


2DH5_Ant1_High_2480_Peak


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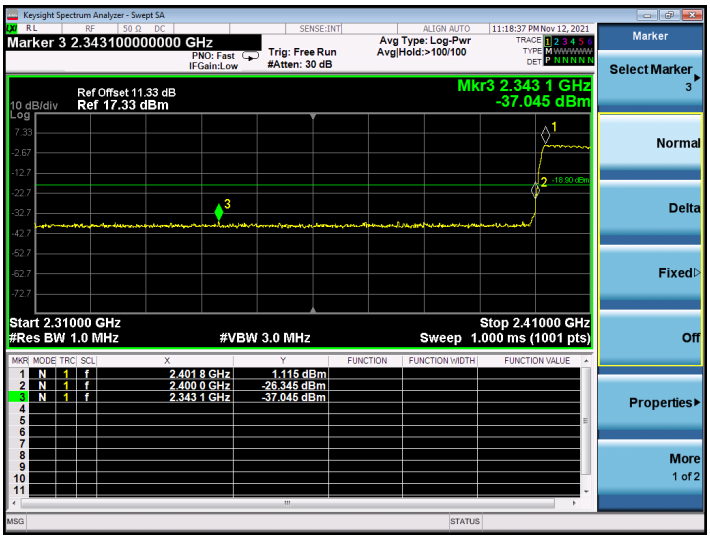
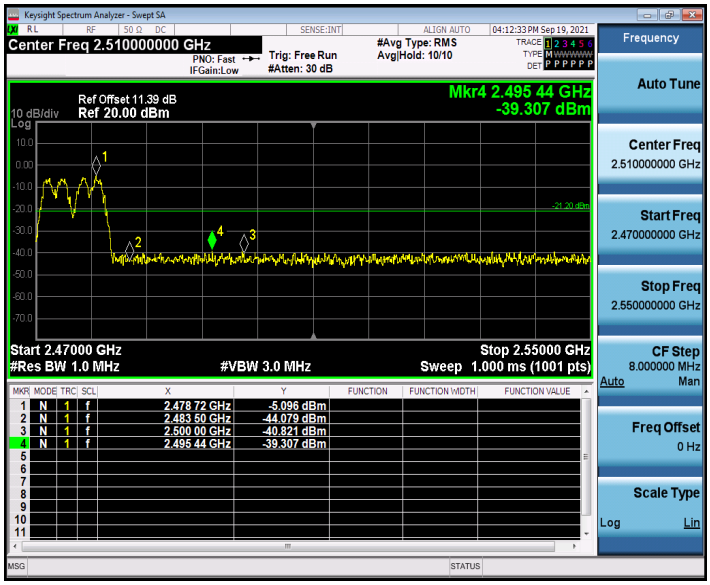
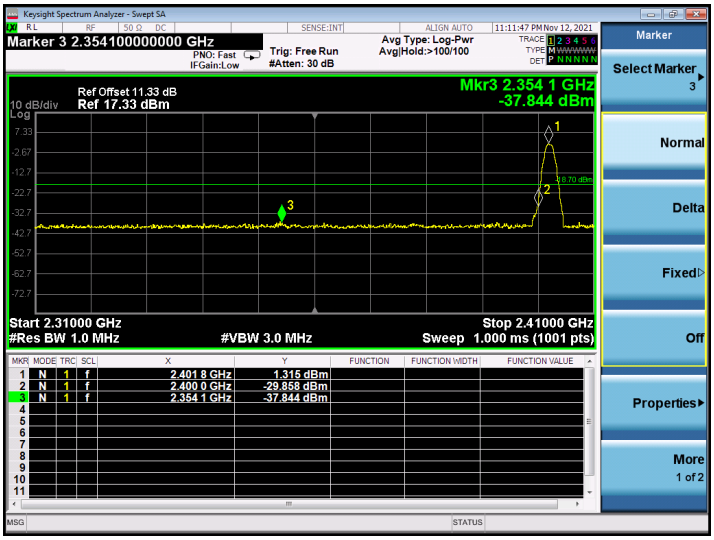
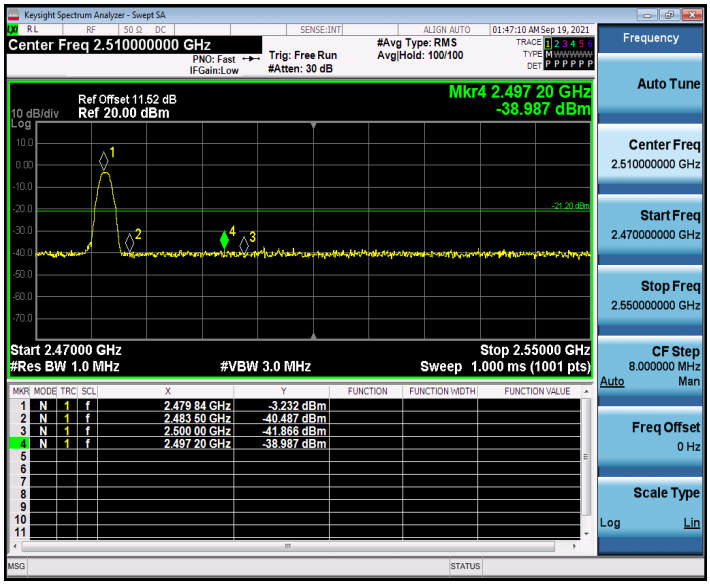
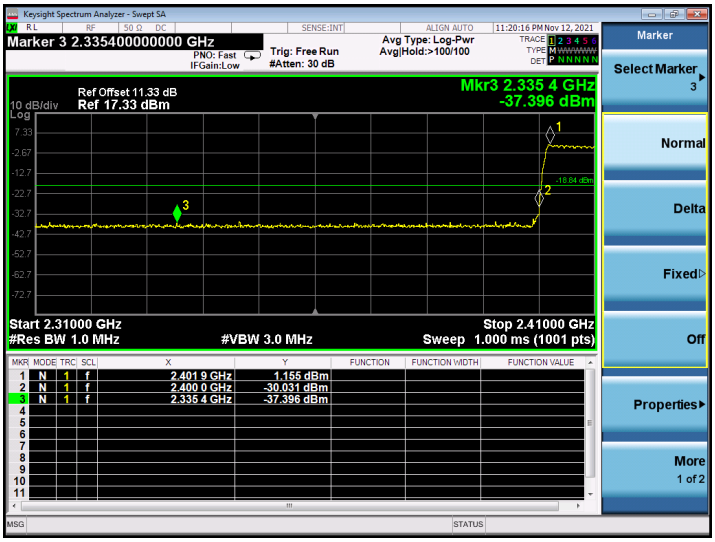
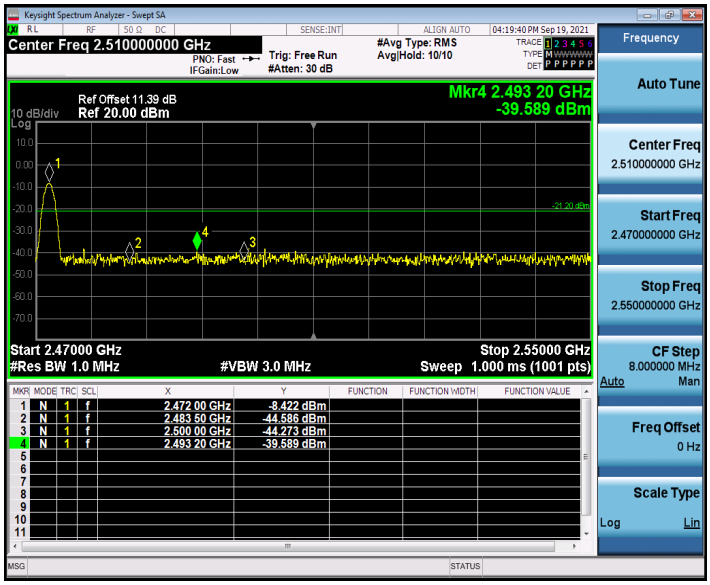


2DH5_Ant1_High_Hop_2480_Peak


3DH5_Ant1_Low_2402_Peak


3DH5_Ant1_High_2480_Peak


3DH5_Ant1_Low_Hop_2402_Peak


3DH5_Ant1_High_Hop_2480_Peak


Annex C. Radiated Emission Measurement

Below 30MHz

Temperature：	26℃	Relative Humidtity：	24%
Pressure：	101 kPa	Test Voltage ：	AC 120 V/60 Hz
Test Mode ：	Mode 1	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the

permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

Above 18GHz

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Ant.Polar.:	---		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
--	--	--	--	--	--	--	PASS
--	--	--	--	--	--	--	PASS

Note:

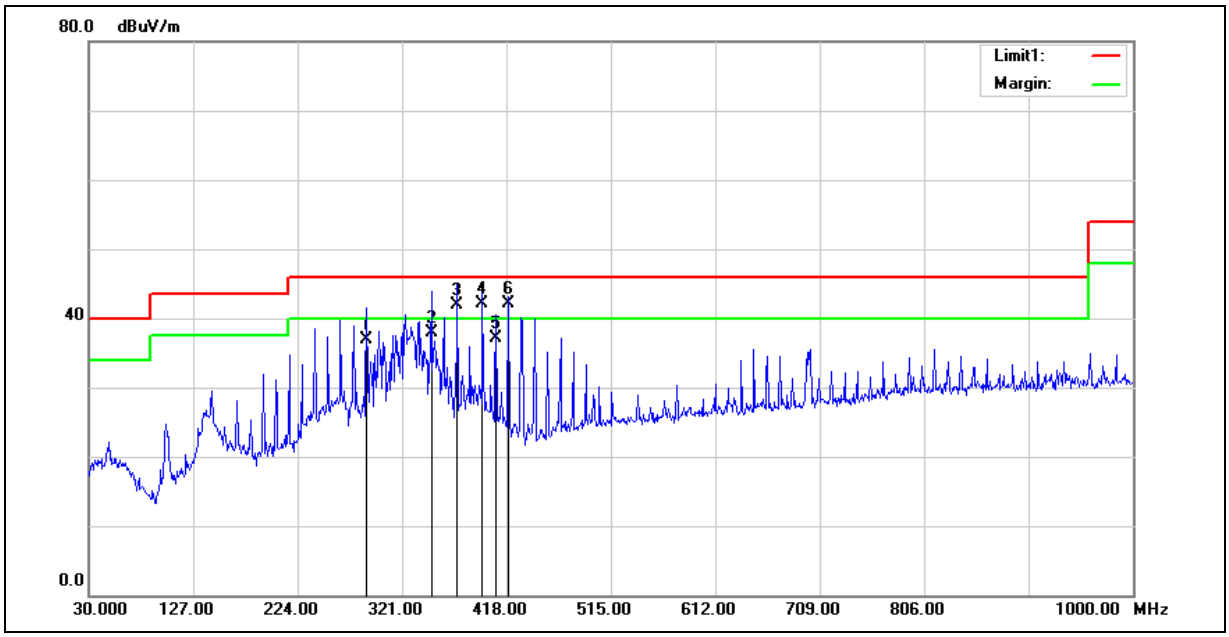
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor=40 log(specific distance/test distance)(dB);

Limit line=specific limits(dBuv) + distance extrapolation factor.

Below 1GHz

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	288.0200	47.43	-10.48	36.95	46.00	-9.05	QP
2	348.1600	47.21	-9.23	37.98	46.00	-8.02	QP
3	372.4100	50.58	-8.63	41.95	46.00	-4.05	QP
4	395.6900	50.12	-8.06	42.06	46.00	-3.94	QP
5	408.3000	44.83	-7.72	37.11	46.00	-8.89	QP
6	419.9400	49.54	-7.39	42.15	46.00	-3.85	QP

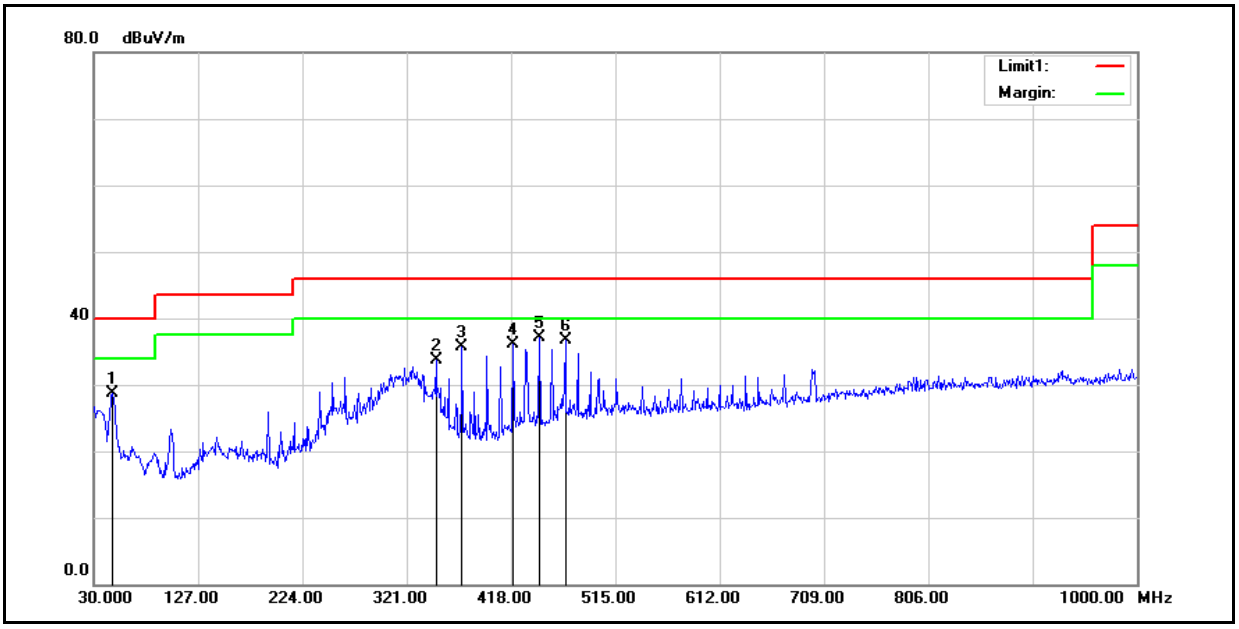
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 36.95=-10.48+47.43

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.4600	39.90	-11.17	28.73	40.00	-11.27	peak
2	348.1600	42.89	-9.23	33.66	46.00	-12.34	peak
3	372.4100	44.25	-8.63	35.62	46.00	-10.38	peak
4	419.9400	43.43	-7.39	36.04	46.00	-9.96	peak
5	444.1900	43.84	-6.71	37.13	46.00	-8.87	peak
6	468.4400	42.73	-6.04	36.69	46.00	-9.31	peak

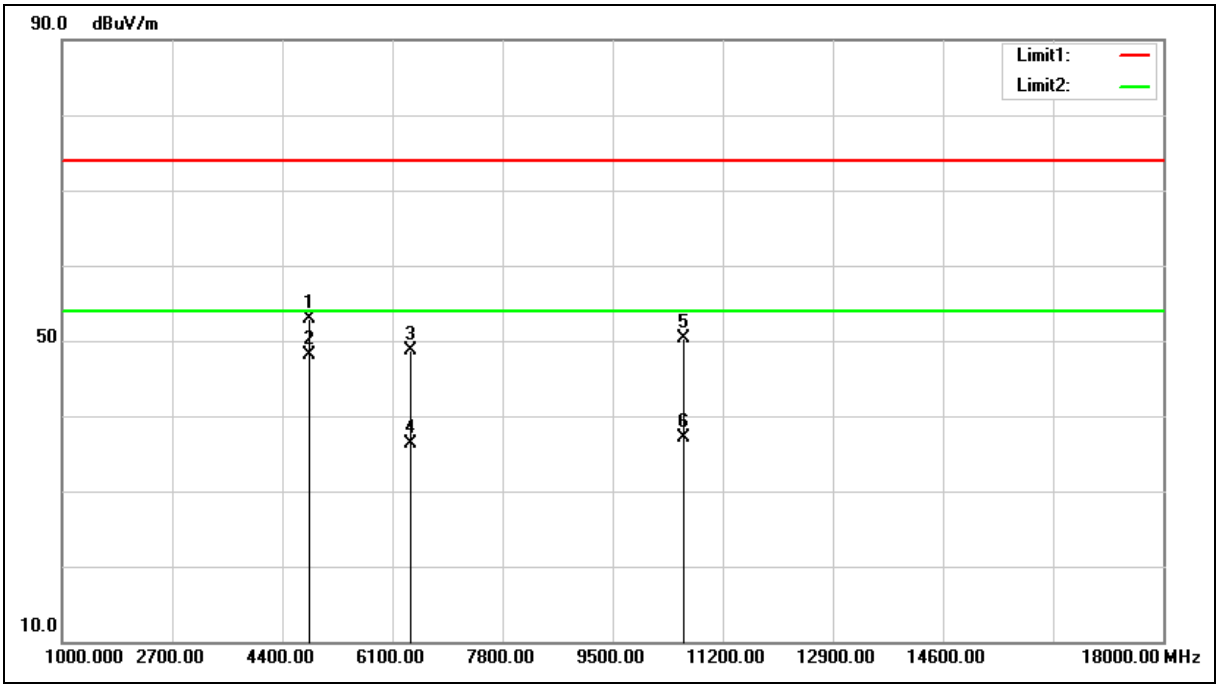
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Above 1GHz

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Frequency:	2402 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



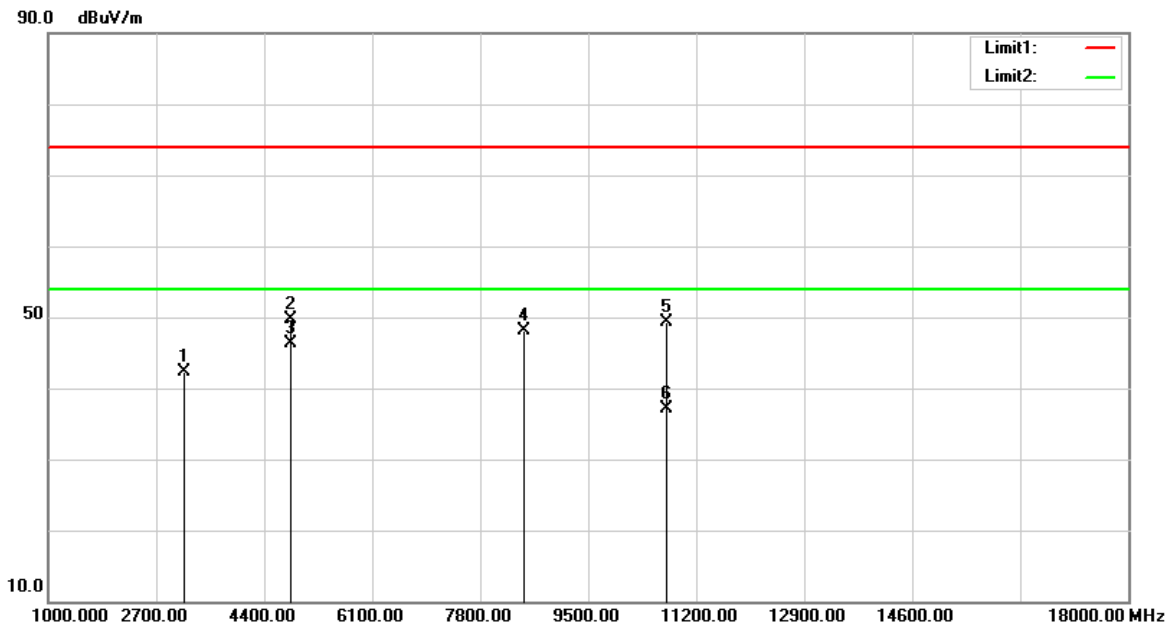
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4808.000	58.42	-5.57	52.85	74.00	-21.15	peak
2	4808.000	53.74	-5.57	48.17	54.00	-5.83	AVG
3	6389.000	50.99	-2.23	48.76	74.00	-25.24	peak
4	6389.000	38.48	-2.23	36.25	54.00	-17.75	AVG
5	10588.000	46.68	3.62	50.30	74.00	-23.70	peak
6	10588.000	33.43	3.62	37.05	54.00	-16.95	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Frequency:	2402 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



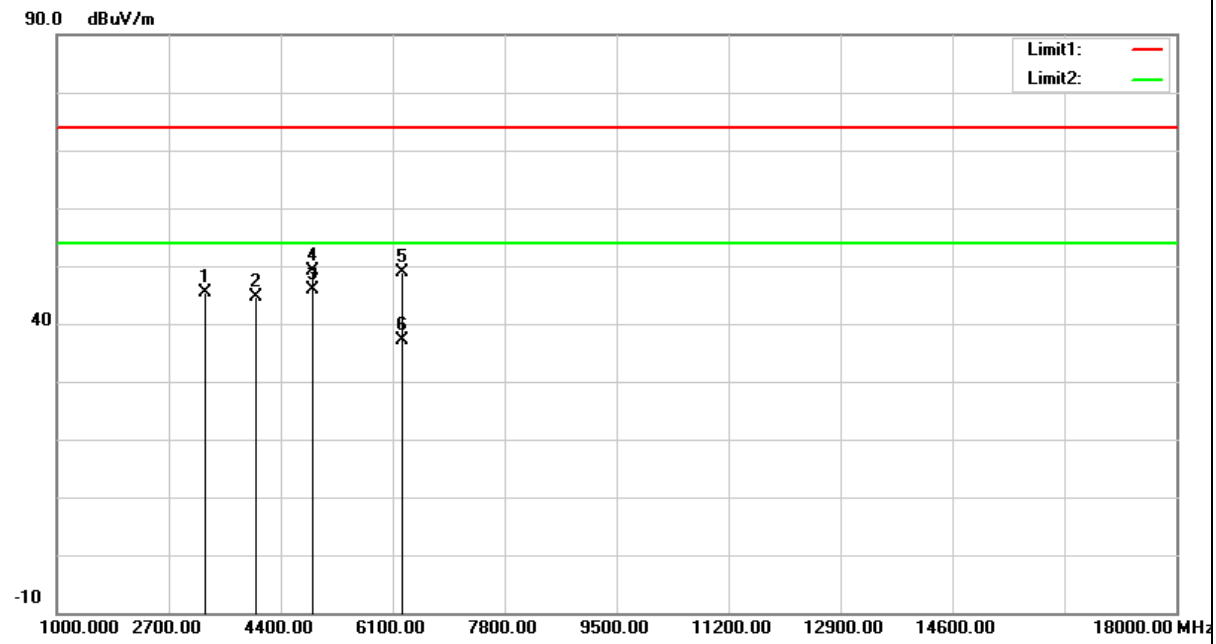
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3142.000	50.86	-8.61	42.25	74.00	-31.75	peak
2	4808.000	55.28	-5.57	49.71	74.00	-24.29	peak
3	4808.000	51.92	-5.57	46.35	54.00	-7.65	AVG
4	8497.000	47.74	0.43	48.17	74.00	-25.83	peak
5	10741.000	45.55	3.74	49.29	74.00	-24.71	peak
6	10741.000	33.27	3.74	37.01	54.00	-16.99	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Frequency:	2441MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



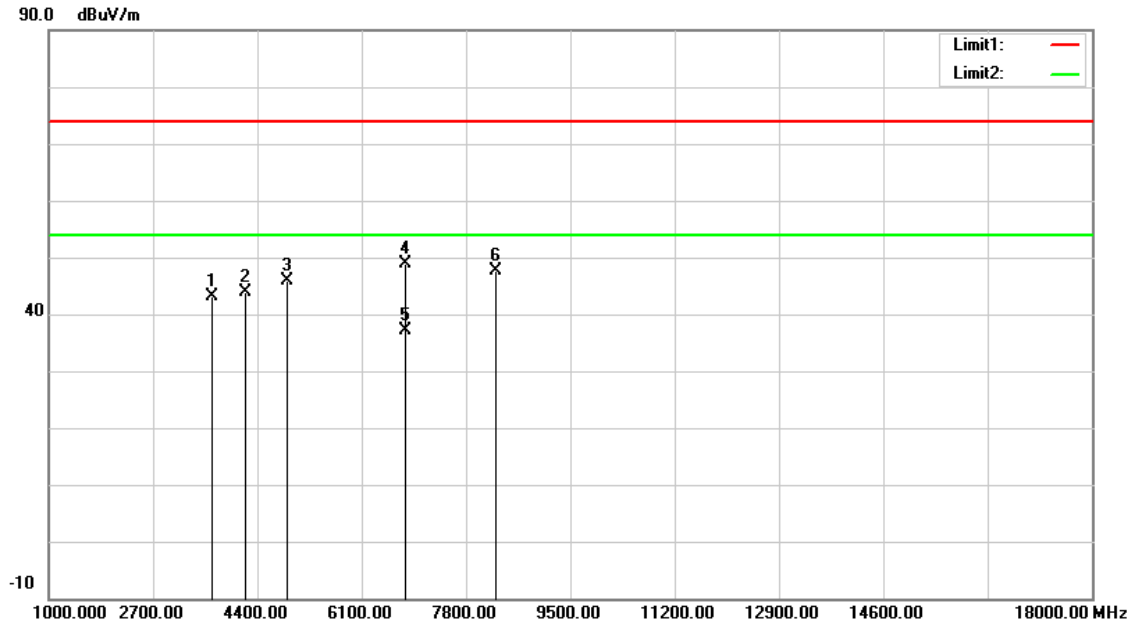
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3261.000	53.94	-8.60	45.34	74.00	-28.66	peak
2	4026.000	51.88	-7.30	44.58	74.00	-29.42	peak
3	4876.000	51.33	-5.46	45.87	54.00	-8.13	AVG
4	4876.000	54.59	-5.46	49.13	74.00	-24.87	peak
5	6253.000	51.17	-2.35	48.82	74.00	-25.18	peak
6	6253.000	39.39	-2.35	37.04	54.00	-16.96	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Frequency:	2441MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



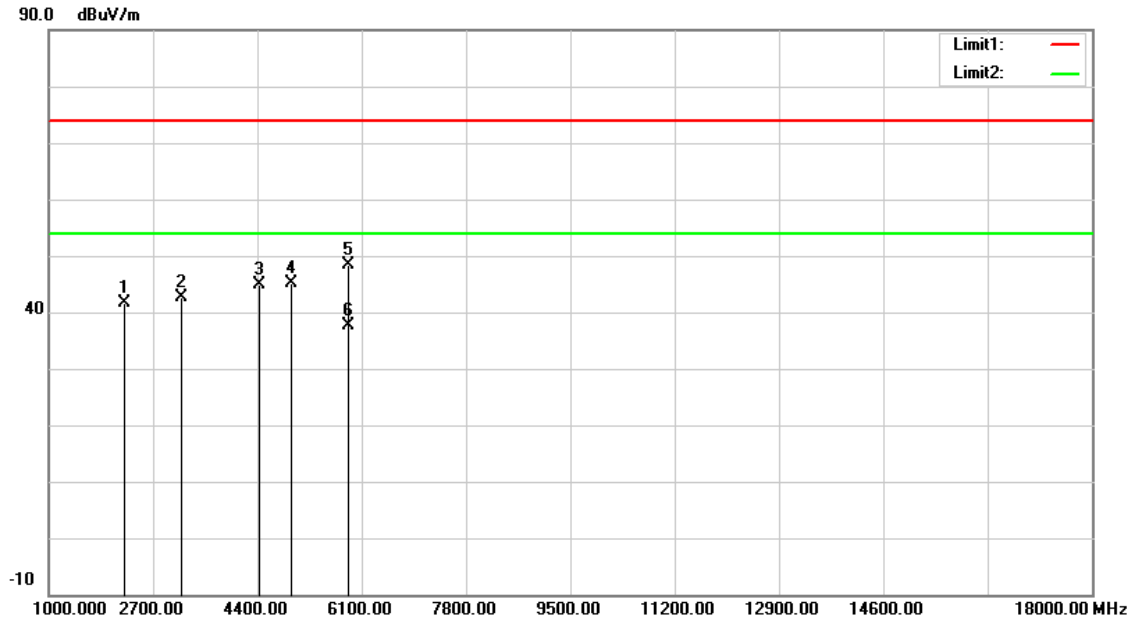
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3669.000	51.19	-8.16	43.03	74.00	-30.97	peak
2	4196.000	50.73	-6.85	43.88	74.00	-30.12	peak
3	4882.000	51.36	-5.45	45.91	74.00	-28.09	peak
4	6814.000	50.77	-1.85	48.92	74.00	-25.08	peak
5	6814.000	38.90	-1.85	37.05	54.00	-16.95	AVG
6	8276.000	47.28	0.35	47.63	74.00	-26.37	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Frequency:	2480 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



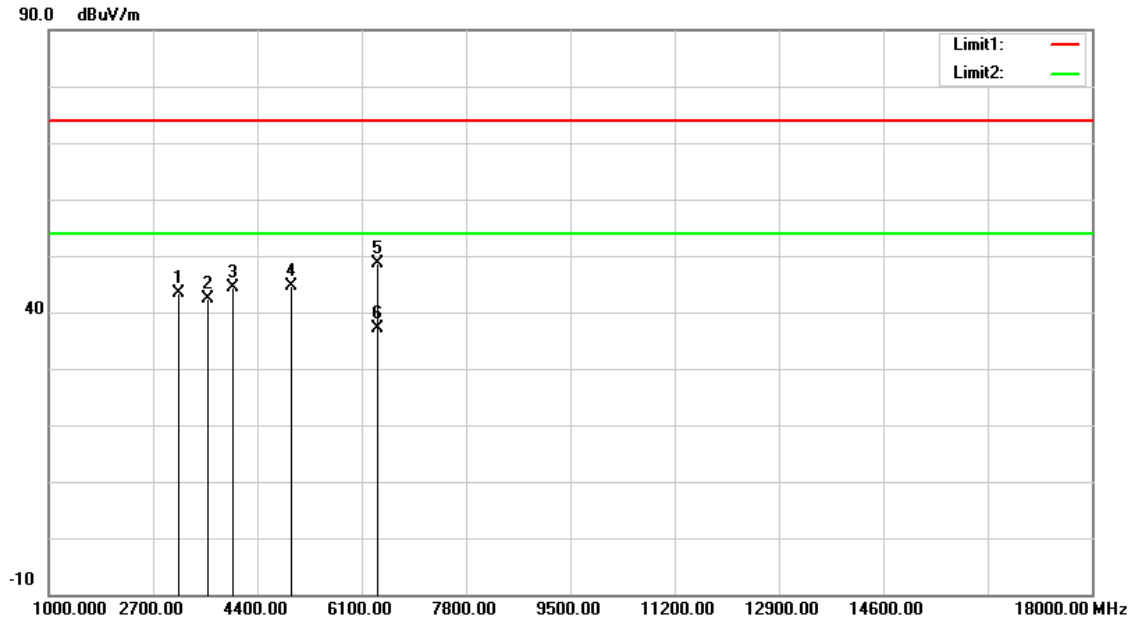
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2241.000	52.71	-11.15	41.56	74.00	-32.44	peak
2	3159.000	51.33	-8.61	42.72	74.00	-31.28	peak
3	4434.000	51.06	-6.22	44.84	74.00	-29.16	peak
4	4960.000	50.55	-5.33	45.22	74.00	-28.78	peak
5	5879.000	51.43	-2.93	48.50	74.00	-25.50	peak
6	5879.000	40.49	-2.93	37.56	54.00	-16.44	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 120 V/60 Hz
Frequency:	2480 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3108.000	51.91	-8.62	43.29	74.00	-30.71	peak
2	3601.000	50.71	-8.32	42.39	74.00	-31.61	peak
3	4009.000	51.62	-7.34	44.28	74.00	-29.72	peak
4	4960.000	49.88	-5.33	44.55	74.00	-29.45	peak
5	6355.000	50.83	-2.27	48.56	74.00	-25.44	peak
6	6355.000	39.51	-2.27	37.24	54.00	-16.76	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

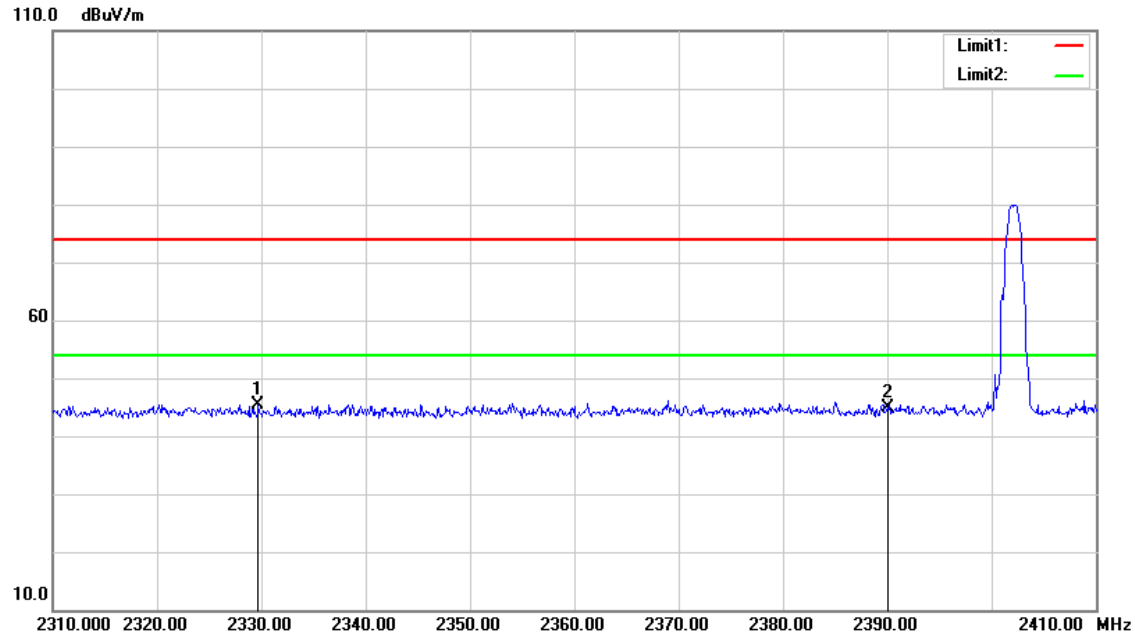
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

4.The test mode was worst case.

Band Edge

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2402 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



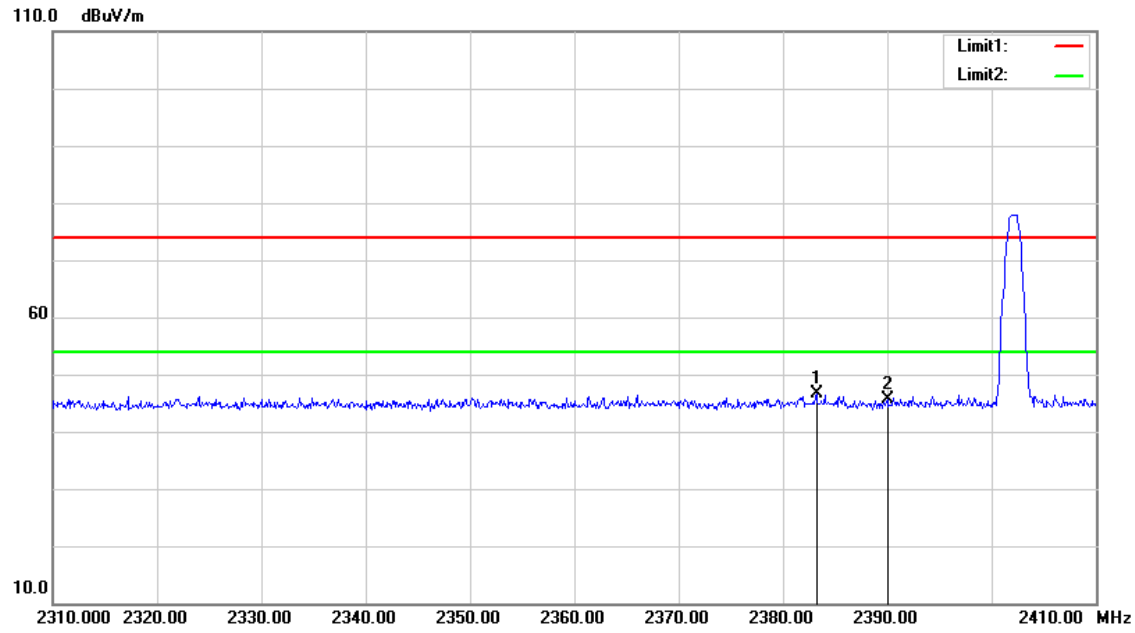
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2329.700	56.45	-10.97	45.48	74.00	-28.52	peak
2	2390.000	55.76	-10.85	44.91	74.00	-29.09	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2402 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



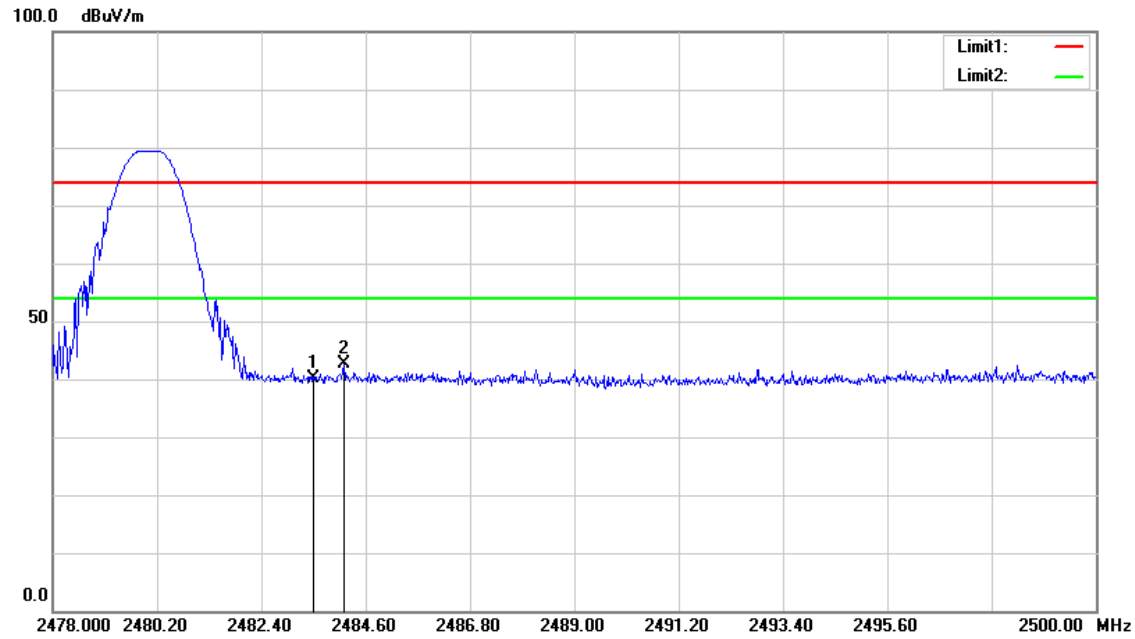
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.200	57.59	-10.85	46.74	74.00	-27.26	peak
2	2390.000	56.48	-10.85	45.63	74.00	-28.37	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2480 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



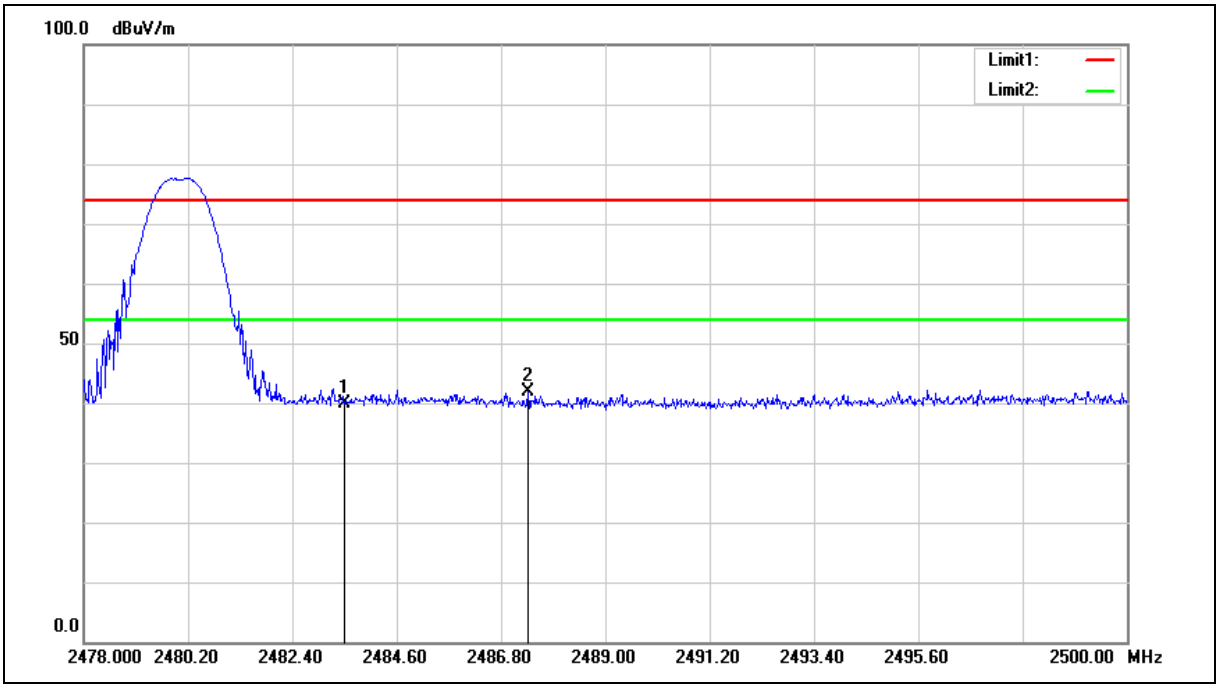
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	50.90	-10.65	40.25	74.00	-33.75	peak
2	2484.138	53.16	-10.65	42.51	74.00	-31.49	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2480 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	50.58	-10.65	39.93	74.00	-34.07	peak
2	2487.372	52.50	-10.65	41.85	74.00	-32.15	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

4.The test mode was worst case.