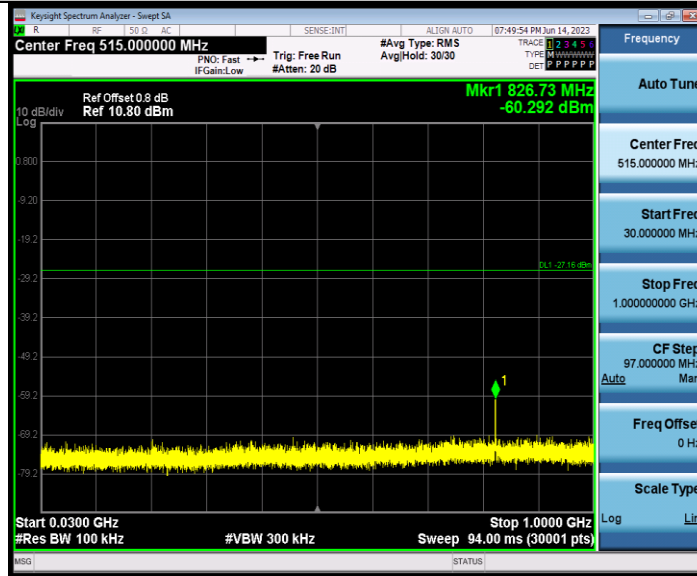
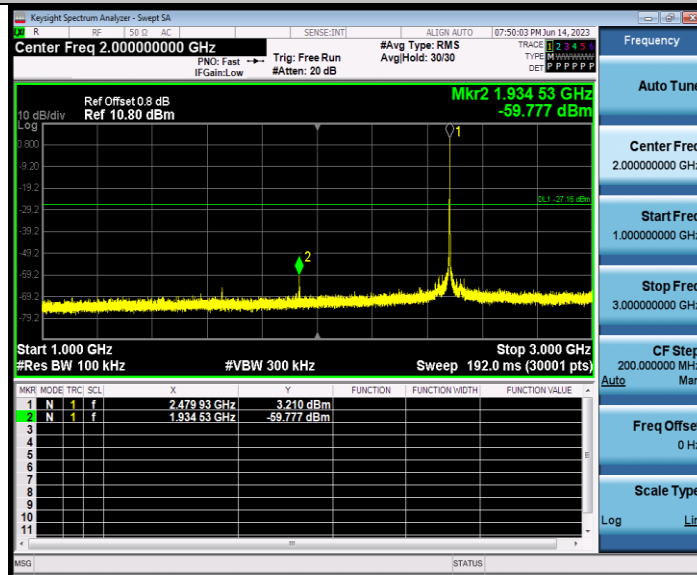


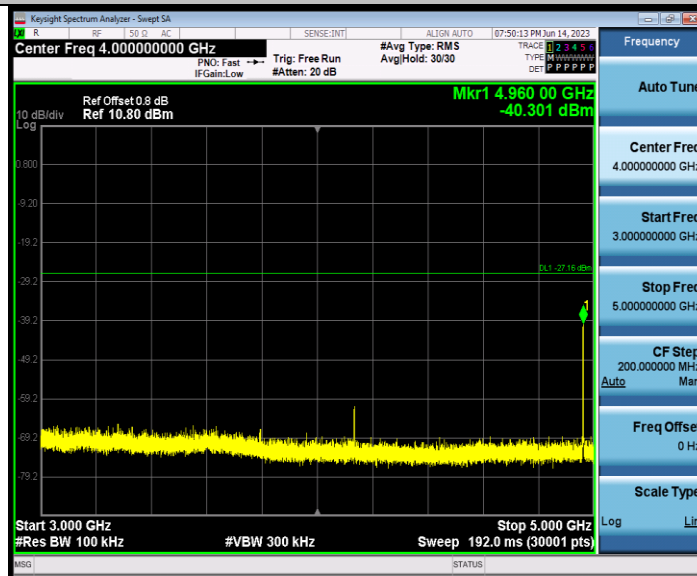
3DH5_Ant1_2480_30~1000



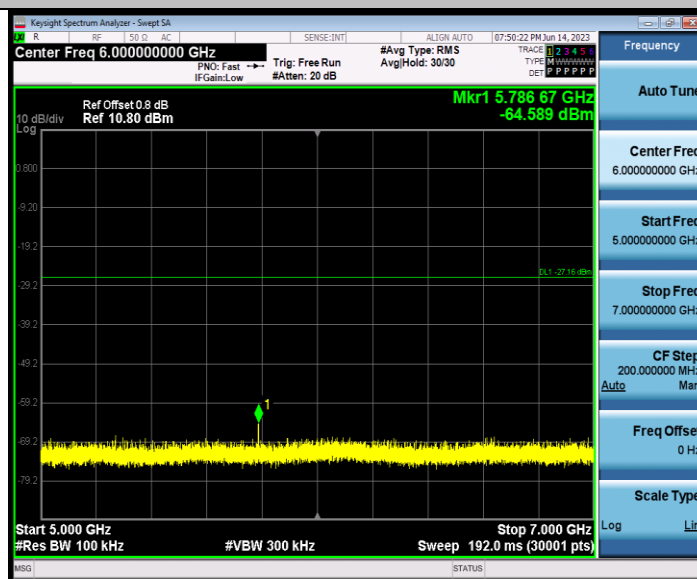
3DH5_Ant1_2480_1000~3000



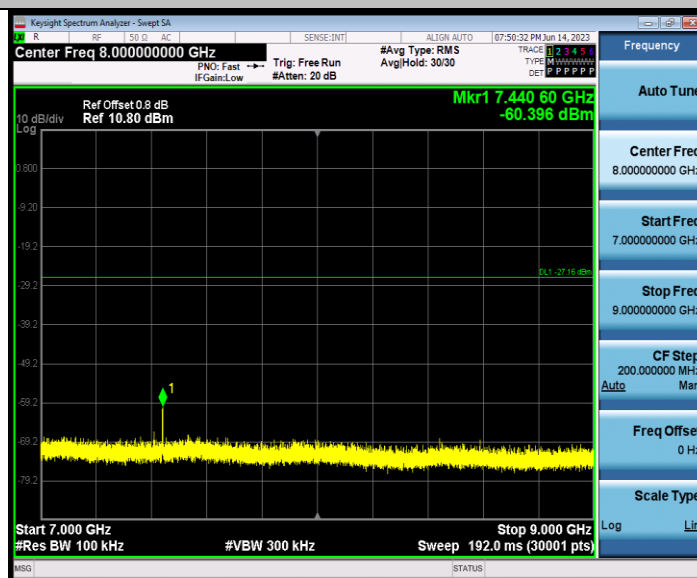
3DH5_Ant1_2480_3000~5000



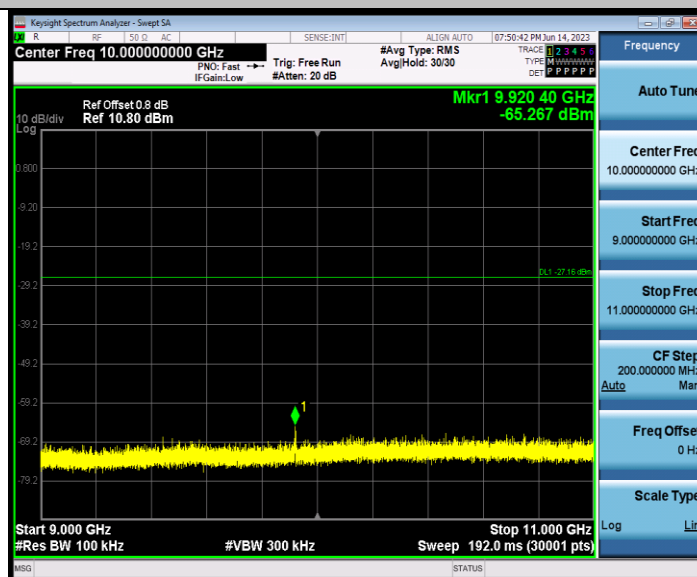
3DH5_Ant1_2480_5000~7000



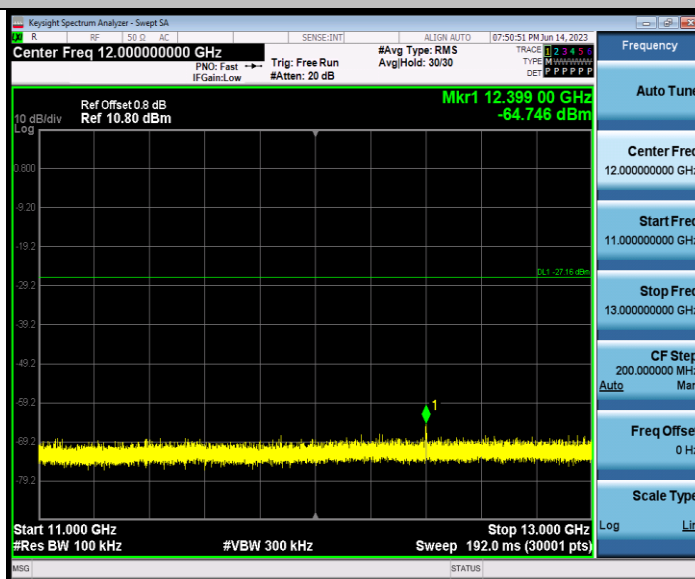
3DH5_Ant1_2480_7000~9000



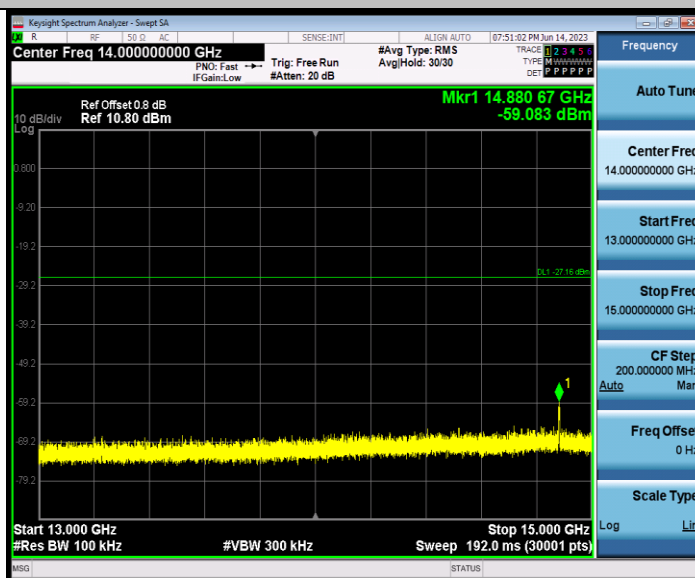
3DH5_Ant1_2480_9000~11000



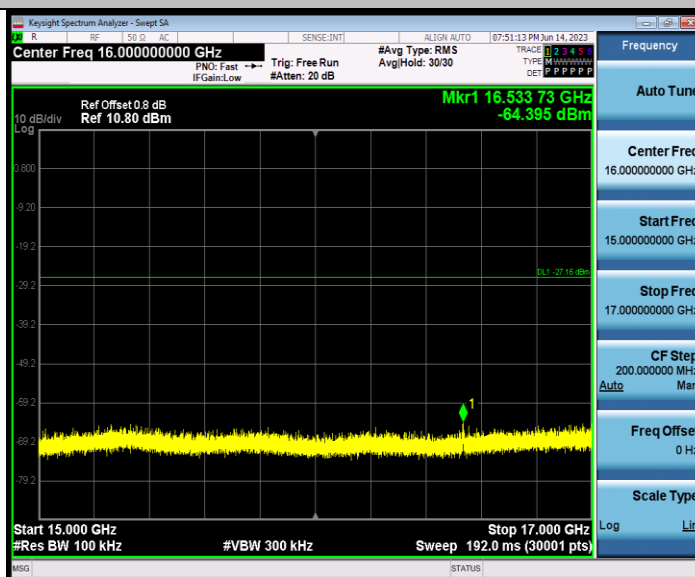
3DH5_Ant1_2480_11000~13000



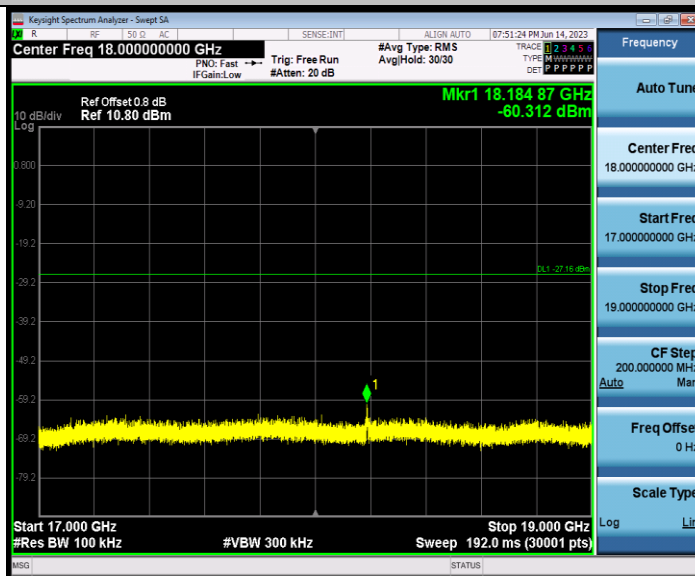
3DH5_Ant1_2480_13000~15000



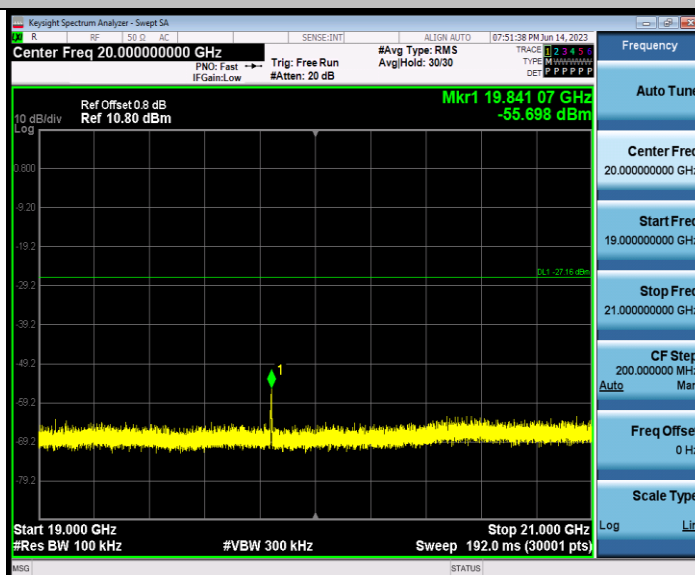
3DH5_Ant1_2480_15000~17000



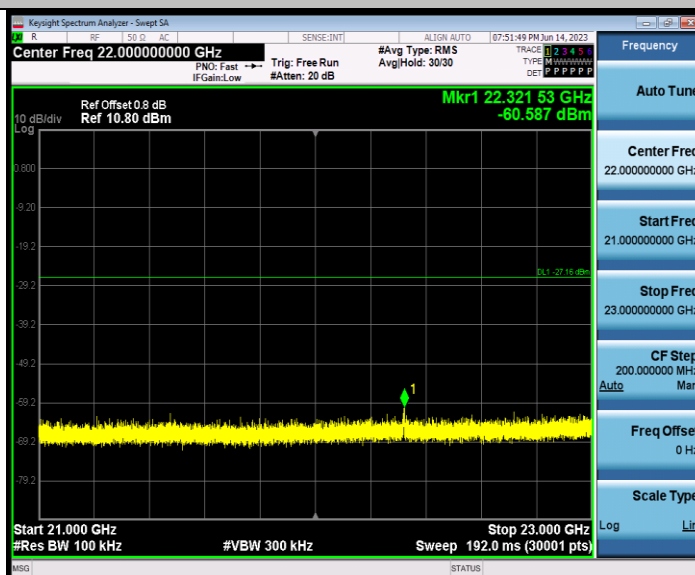
3DH5_Ant1_2480_17000~19000



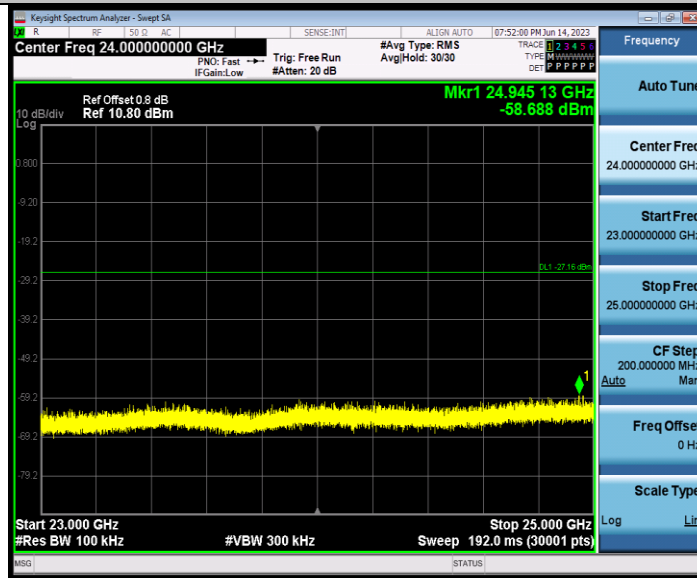
3DH5_Ant1_2480_19000~21000



3DH5_Ant1_2480_21000~23000



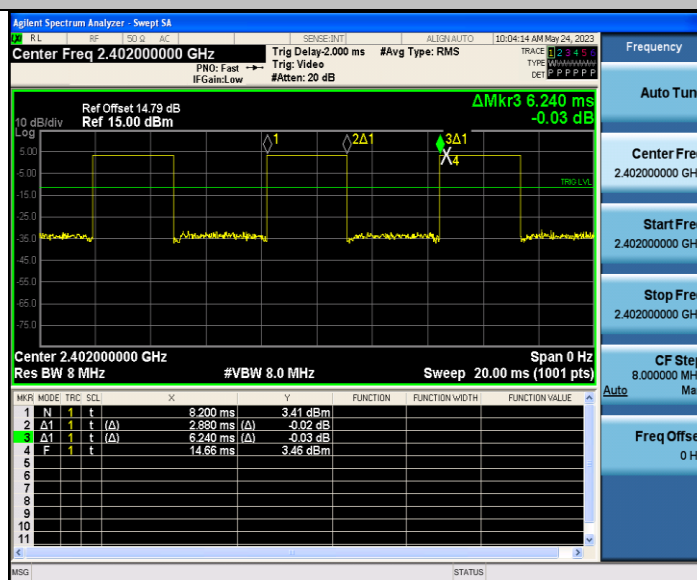
3DH5_Ant1_2480_23000~25000



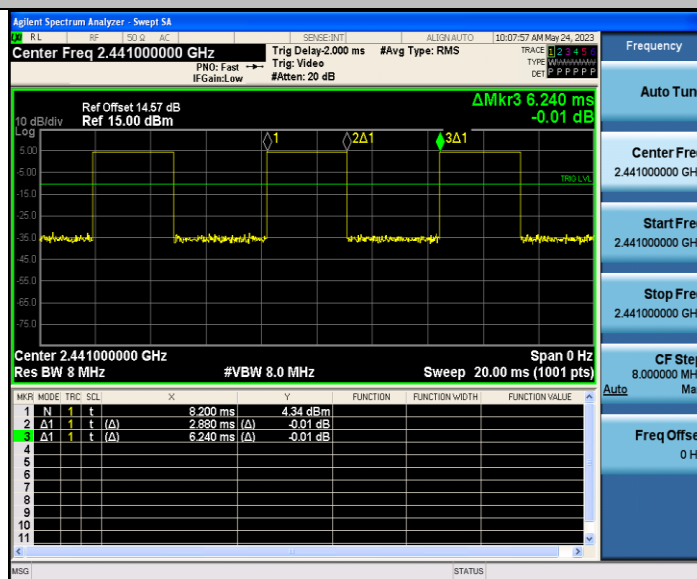
Appendix I: Duty Cycle

TestMode	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	2402	2.88	6.24	46.15	3.36
	2441	2.88	6.24	46.15	3.36
	2480	2.88	6.24	46.15	3.36
2DH5	2402	2.88	6.24	46.15	3.36
	2441	2.88	6.24	46.15	3.36
	2480	2.90	6.26	46.33	3.34
3DH5	2402	2.90	6.26	46.33	3.34
	2441	2.90	6.26	46.33	3.34
	2480	2.90	6.26	46.33	3.34

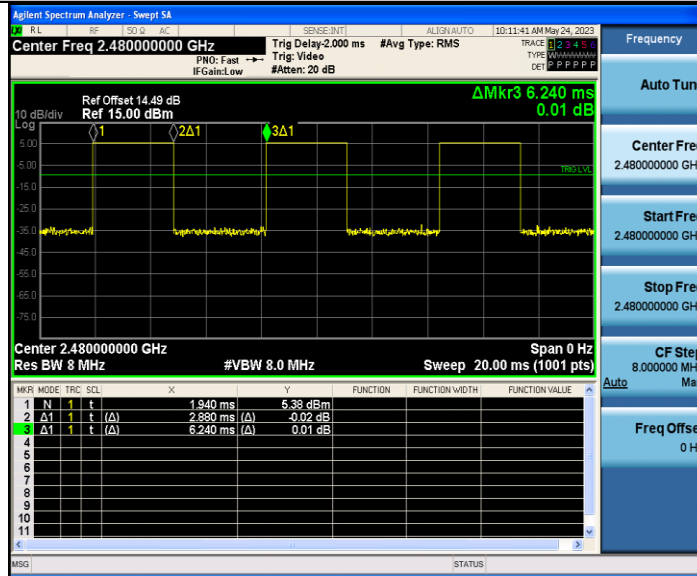
DH5_Ant1_2402



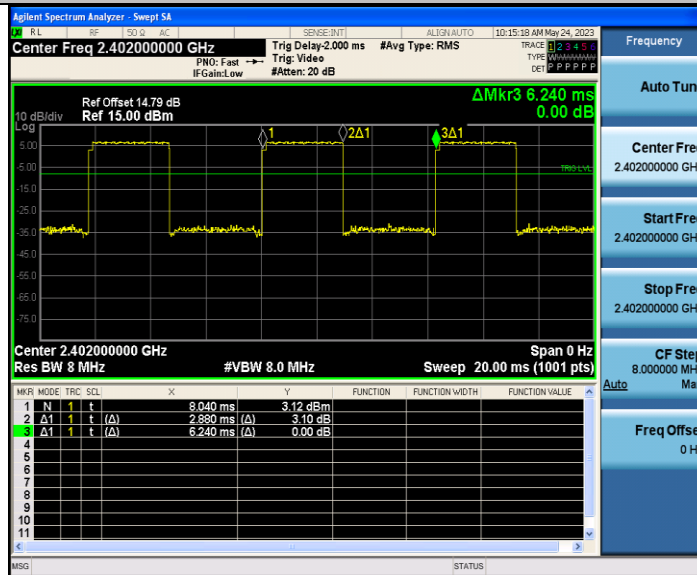
DH5_Ant1_2441



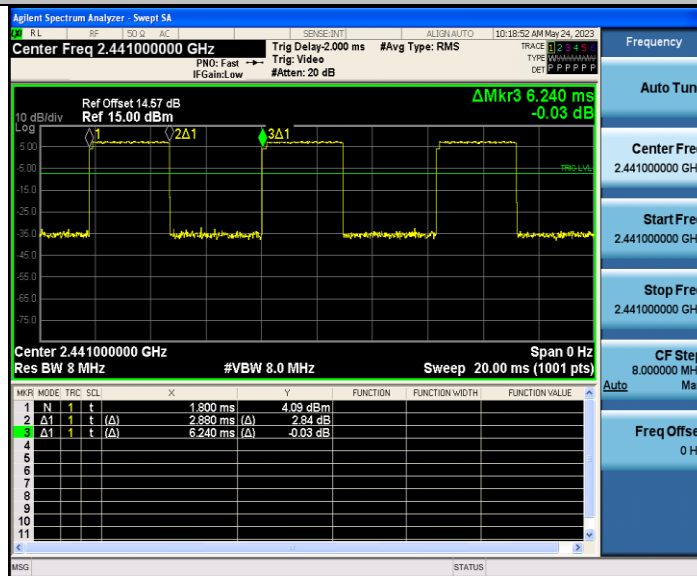
DH5_Ant1_2480



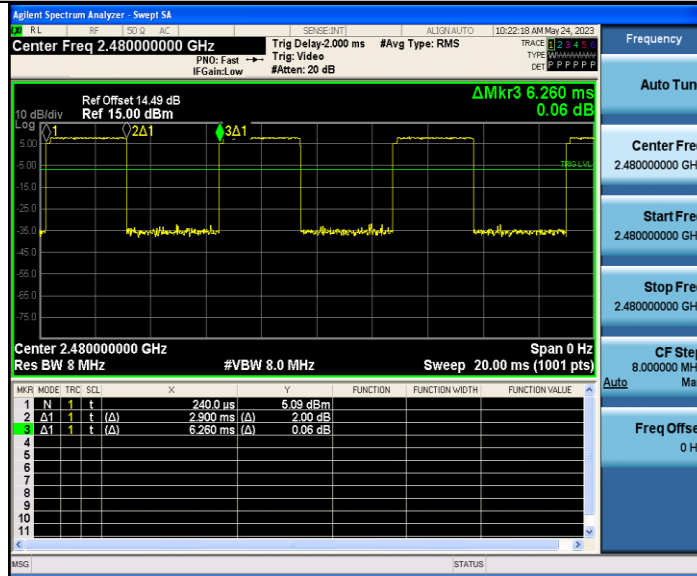
2DH5_Ant1_2402



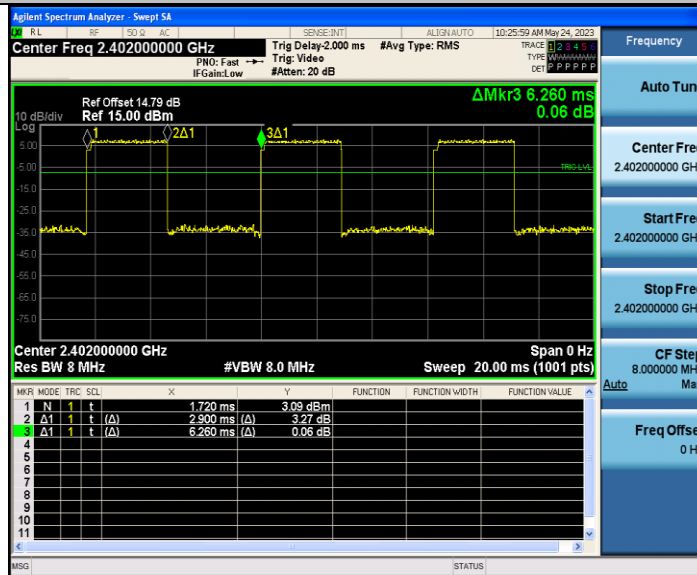
2DH5_Ant1_2441



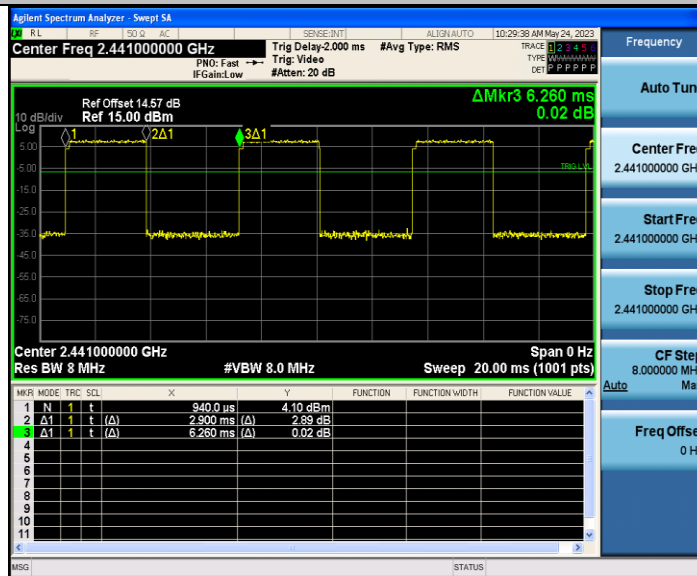
2DH5_Ant1_2480



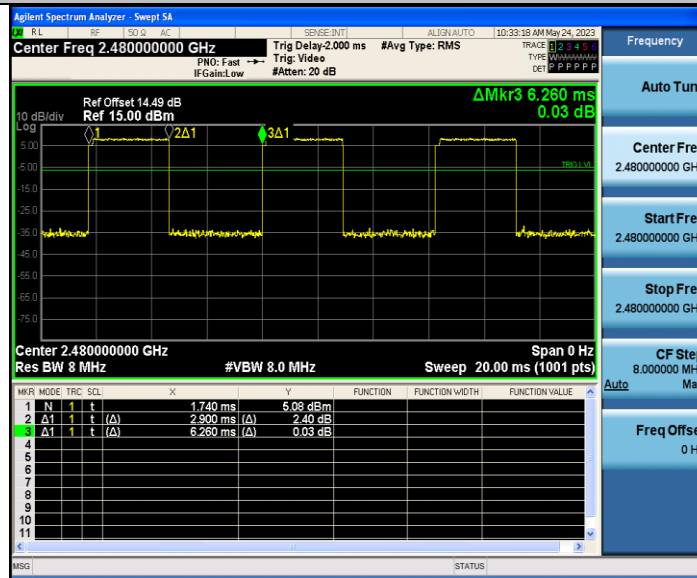
3DH5_Ant1_2402



3DH5_Ant1_2441

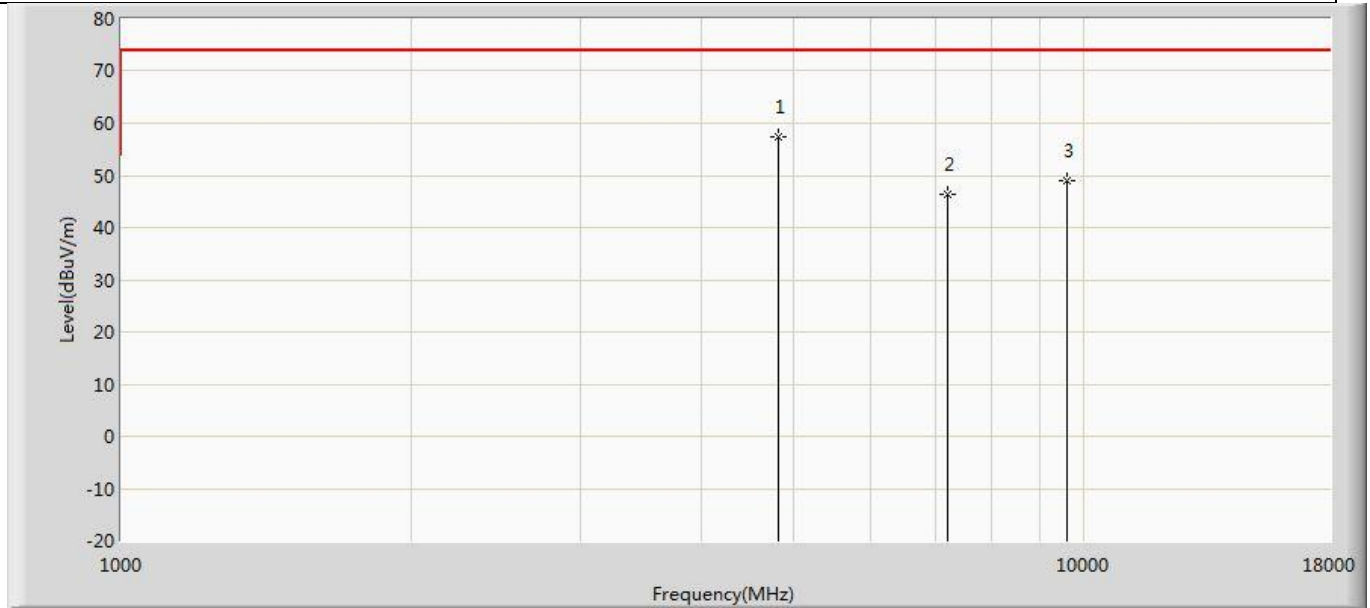


3DH5_Ant1_2480



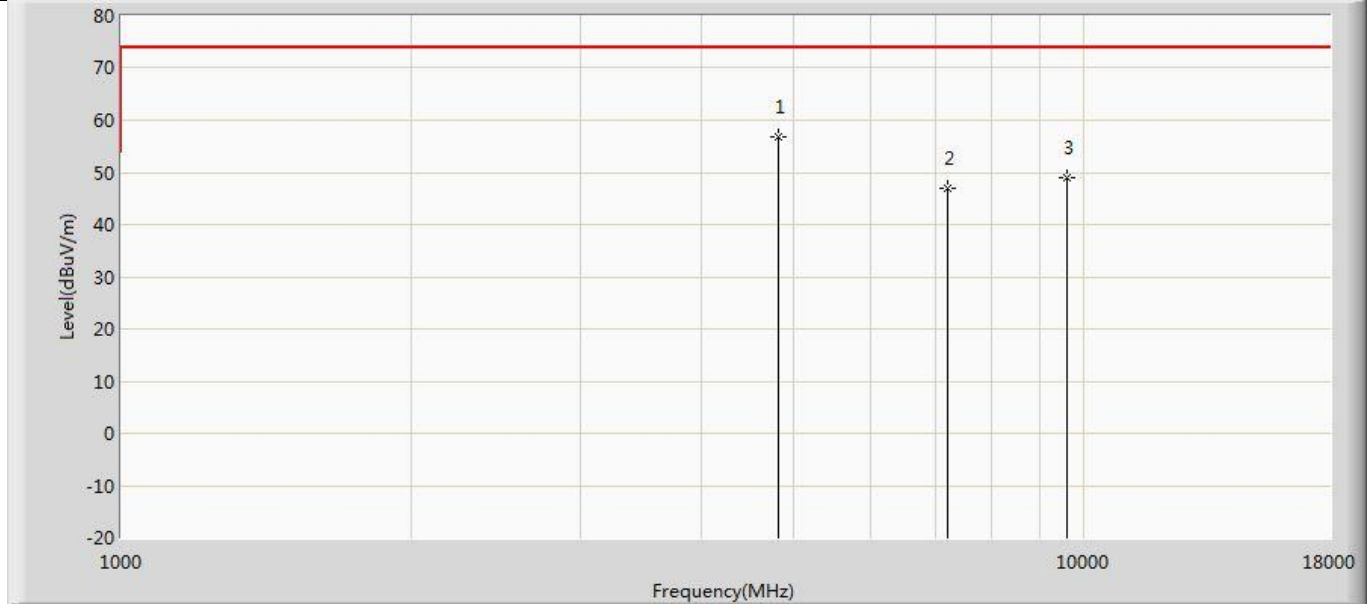
Appendix J: Emissions in Restricted Band

Profile: 2340774R	Page No.: 19
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2402MHz by DH5	



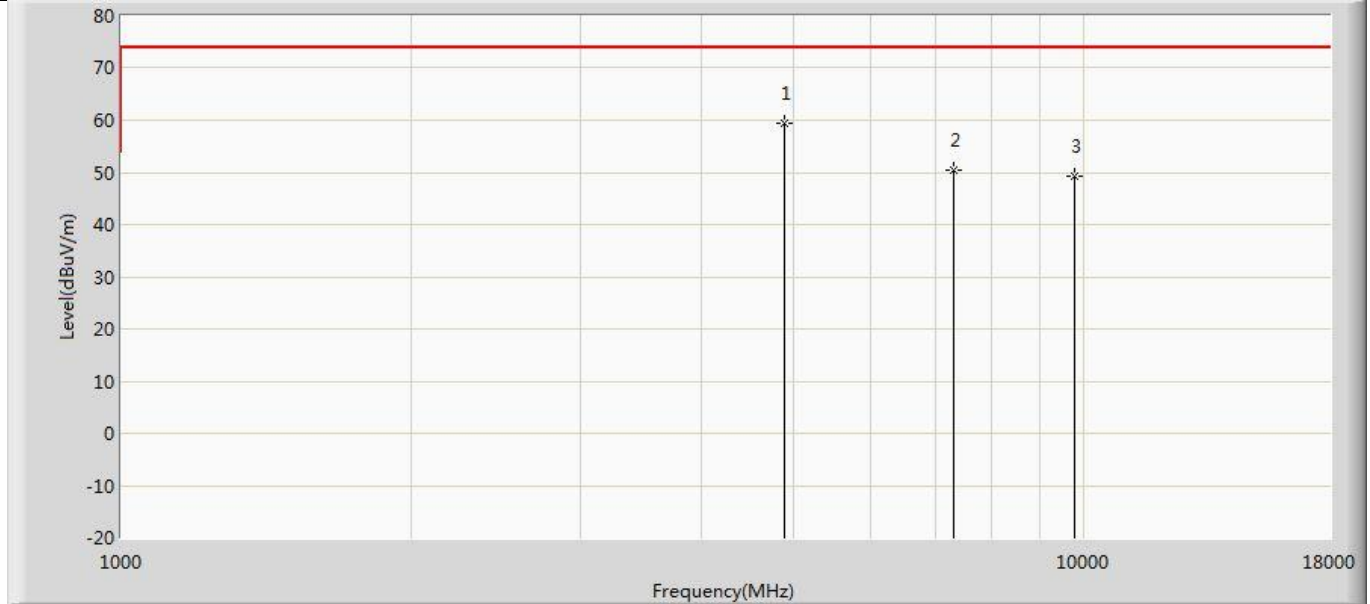
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	57.269	71.916	-16.731	74.000	-14.647	PK
2		7205.000	46.432	56.142	-27.568	74.000	-9.710	PK
3		9608.000	49.008	54.643	-24.992	74.000	-5.635	PK

Profile: 2340774R	Page No.: 20
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2402MHz by DH5	



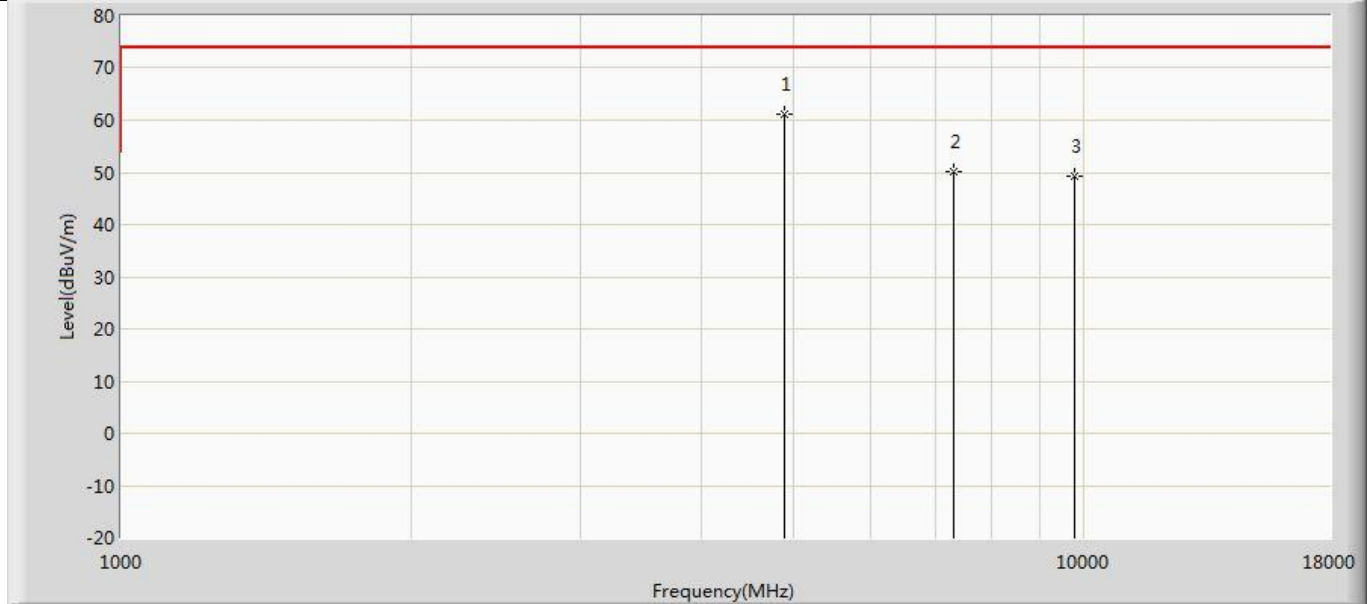
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	56.820	71.467	-17.180	74.000	-14.647	PK
2		7205.000	46.835	56.545	-27.165	74.000	-9.710	PK
3		9608.000	48.872	54.507	-25.128	74.000	-5.635	PK

Profile: 2340774R	Page No.: 21
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2441MHz by DH5	



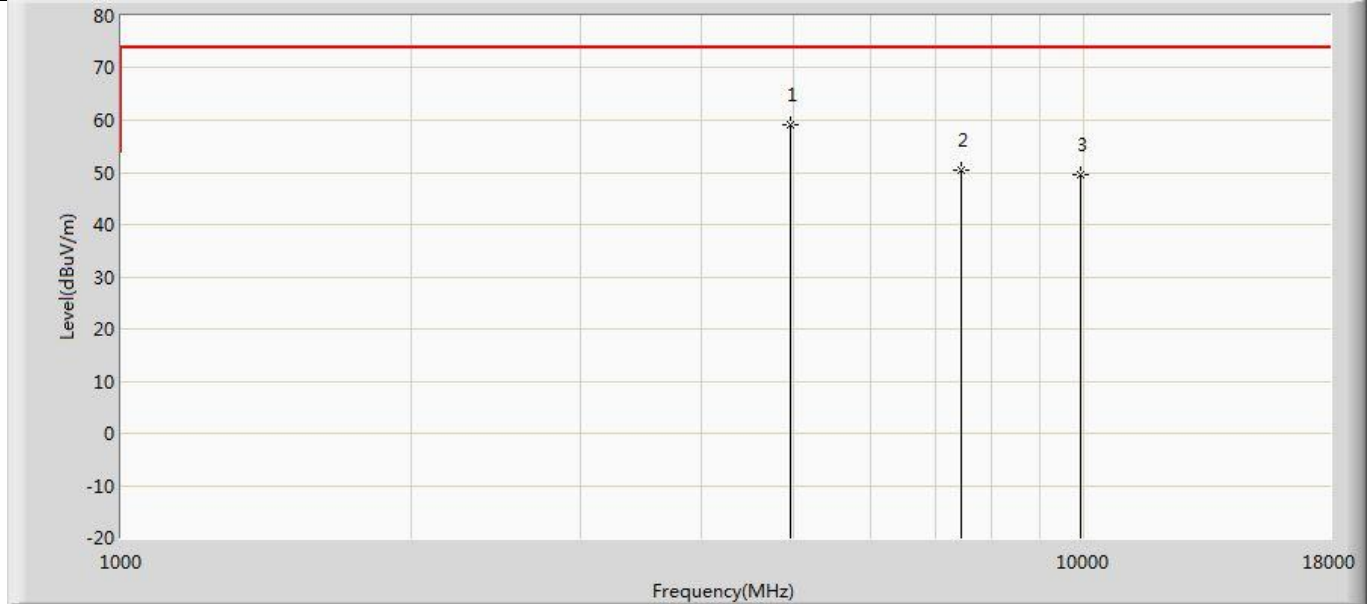
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	59.391	73.687	-14.609	74.000	-14.297	PK
2		7324.000	50.463	60.189	-23.537	74.000	-9.726	PK
3		9764.000	49.134	54.754	-24.866	74.000	-5.620	PK

Profile: 2340774R	Page No.: 22
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2441MHz by DH5	



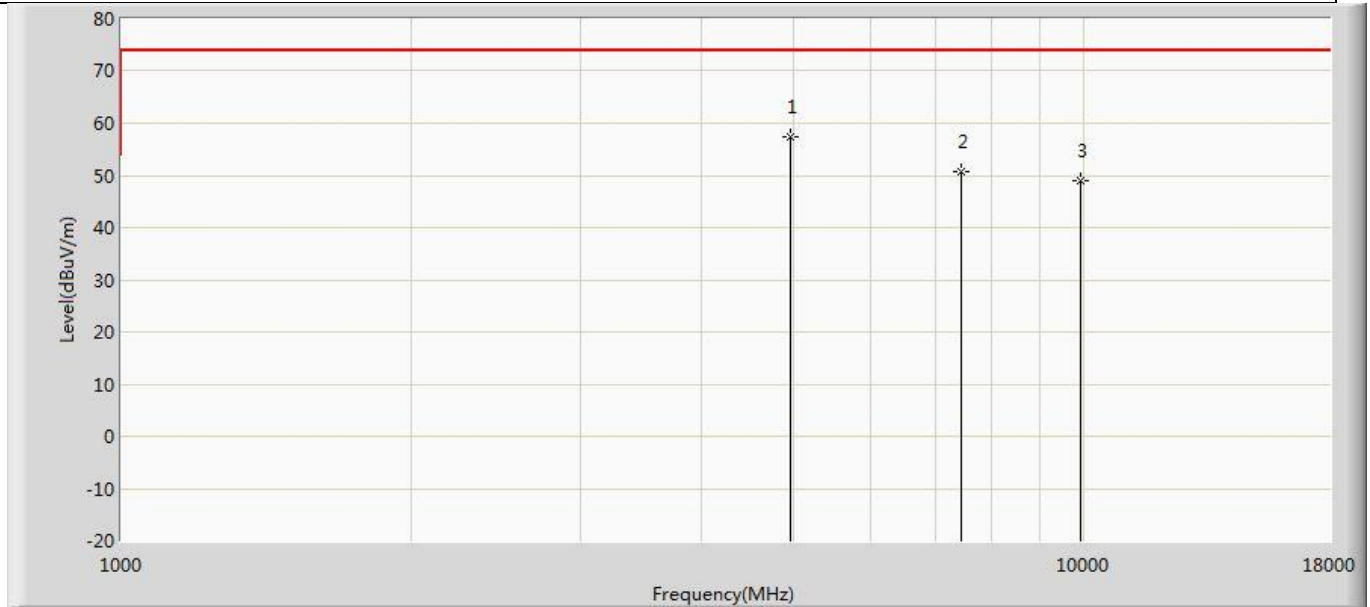
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	61.035	75.331	-12.965	74.000	-14.297	PK
2		7324.000	50.213	59.939	-23.787	74.000	-9.726	PK
3		9764.000	49.180	54.800	-24.820	74.000	-5.620	PK

Profile: 2340774R	Page No.: 23
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2480MHz by DH5	



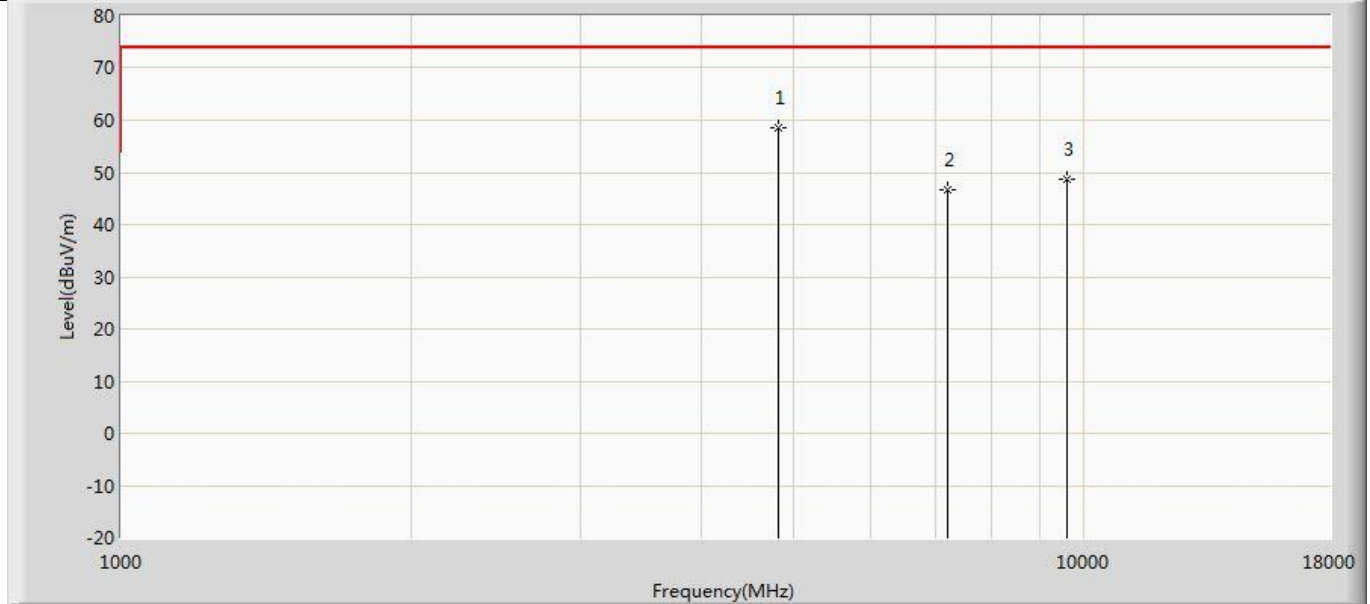
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	59.198	73.331	-14.802	74.000	-14.133	PK
2		7443.000	50.523	59.944	-23.477	74.000	-9.421	PK
3		9920.000	49.673	54.585	-24.327	74.000	-4.912	PK

Profile: 2340774R	Page No.: 24
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2480MHz by DH5	



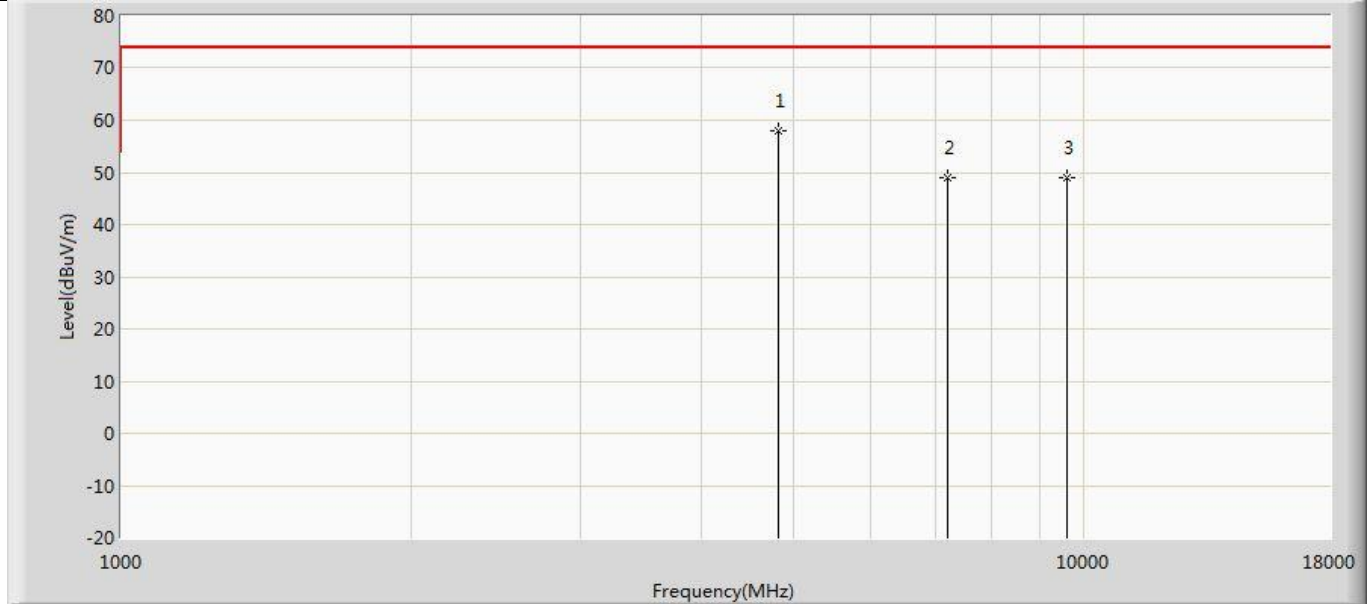
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	57.284	71.417	-16.716	74.000	-14.133	PK
2		7443.000	50.787	60.208	-23.213	74.000	-9.421	PK
3		9920.000	49.105	54.017	-24.895	74.000	-4.912	PK

Profile: 2340774R	Page No.: 25
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



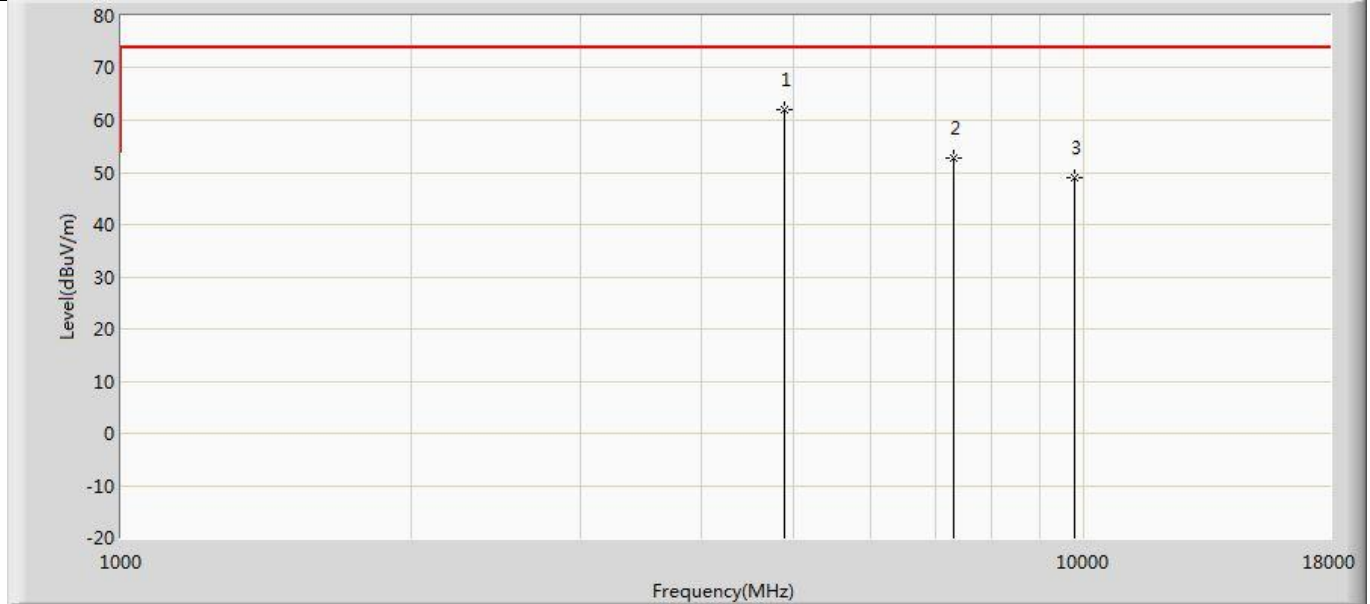
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	58.563	73.210	-15.437	74.000	-14.647	PK
2		7205.000	46.593	56.303	-27.407	74.000	-9.710	PK
3		9608.000	48.796	54.431	-25.204	74.000	-5.635	PK

Profile: 2340774R	Page No.: 26
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



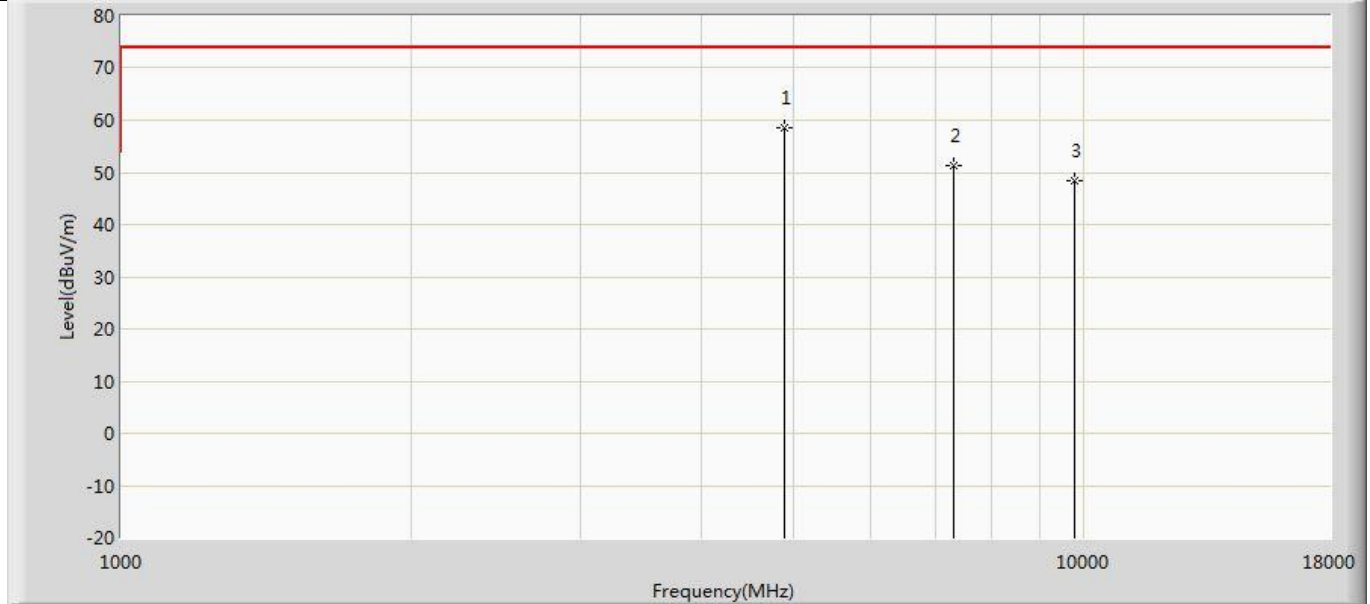
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	57.927	72.574	-16.073	74.000	-14.647	PK
2		7205.000	49.062	58.772	-24.938	74.000	-9.710	PK
3		9608.000	48.861	54.496	-25.139	74.000	-5.635	PK

Profile: 2340774R	Page No.: 27
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 2 : Transmit at 2441MHz by 2DH5	



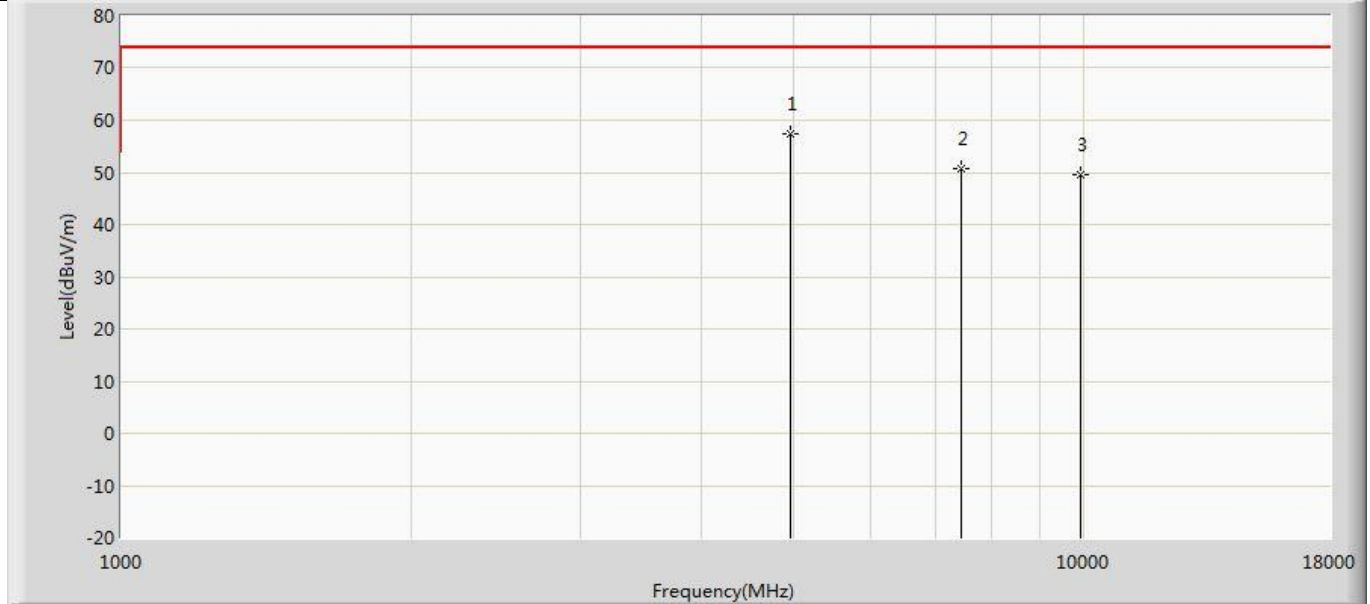
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	61.903	76.199	-12.097	74.000	-14.297	PK
2		7324.000	52.717	62.443	-21.283	74.000	-9.726	PK
3		9764.000	48.971	54.591	-25.029	74.000	-5.620	PK

Profile: 2340774R	Page No.: 28
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 2 : Transmit at 2441MHz by 2DH5	



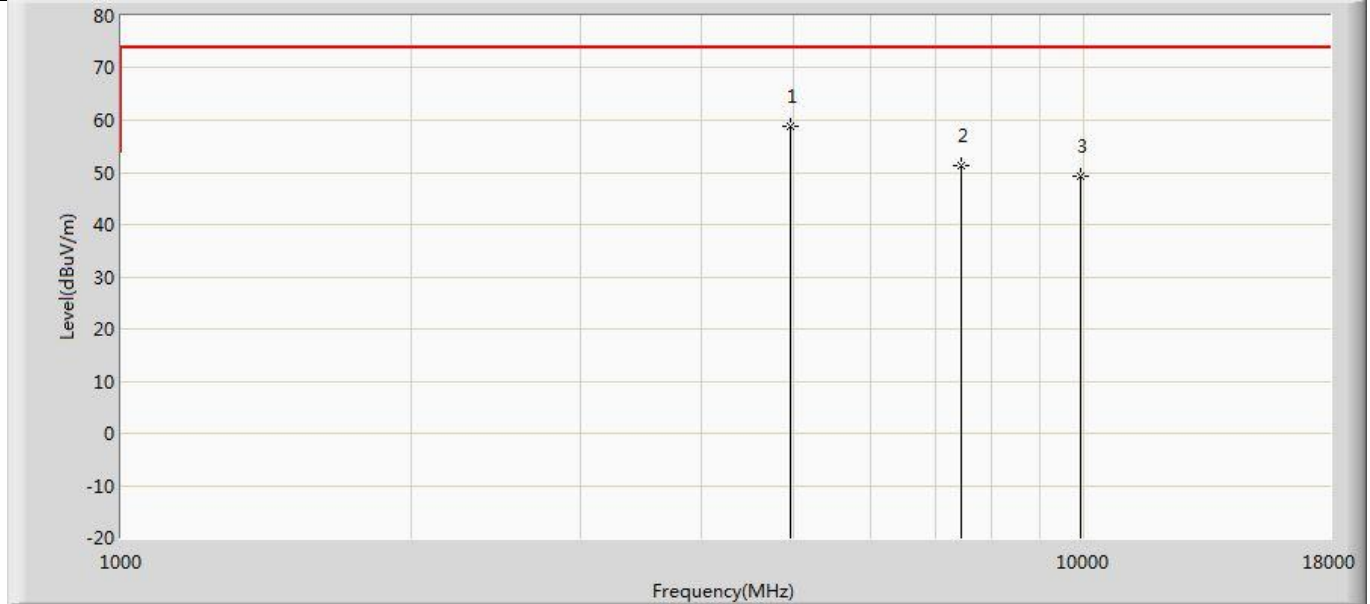
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	58.562	72.858	-15.438	74.000	-14.297	PK
2		7324.000	51.326	61.052	-22.674	74.000	-9.726	PK
3		9764.000	48.388	54.008	-25.612	74.000	-5.620	PK

Profile: 2340774R	Page No.: 29
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



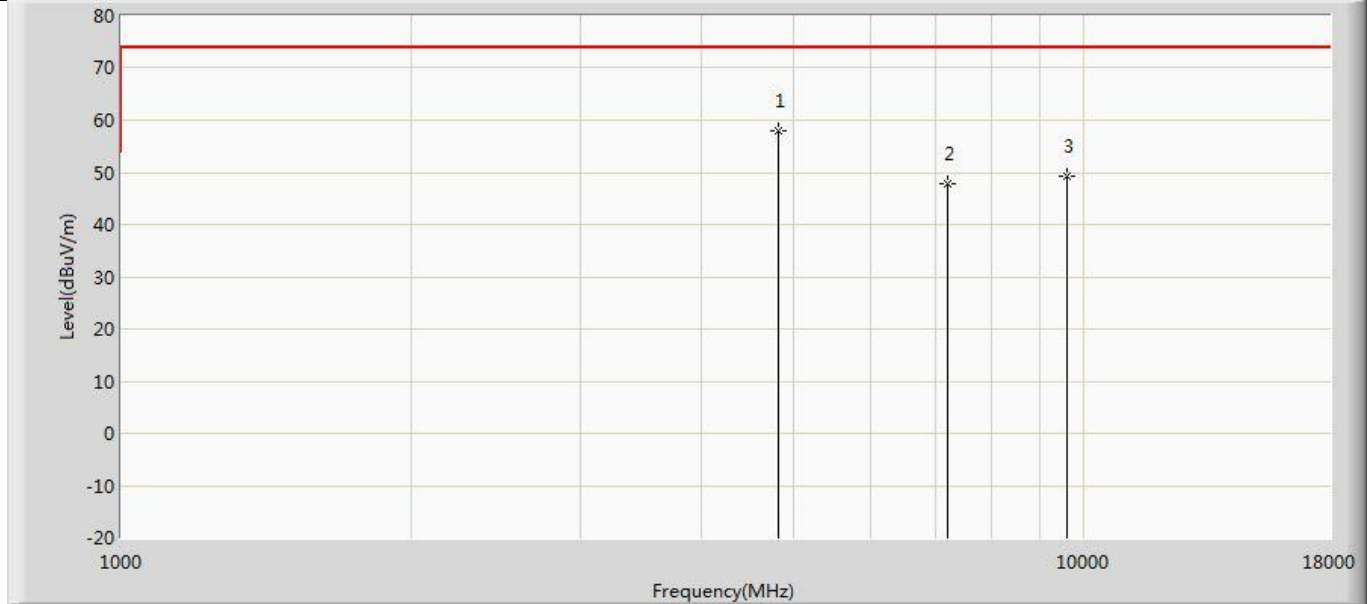
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	57.332	71.465	-16.668	74.000	-14.133	PK
2		7443.000	50.855	60.276	-23.145	74.000	-9.421	PK
3		9920.000	49.636	54.548	-24.364	74.000	-4.912	PK

Profile: 2340774R	Page No.: 30
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



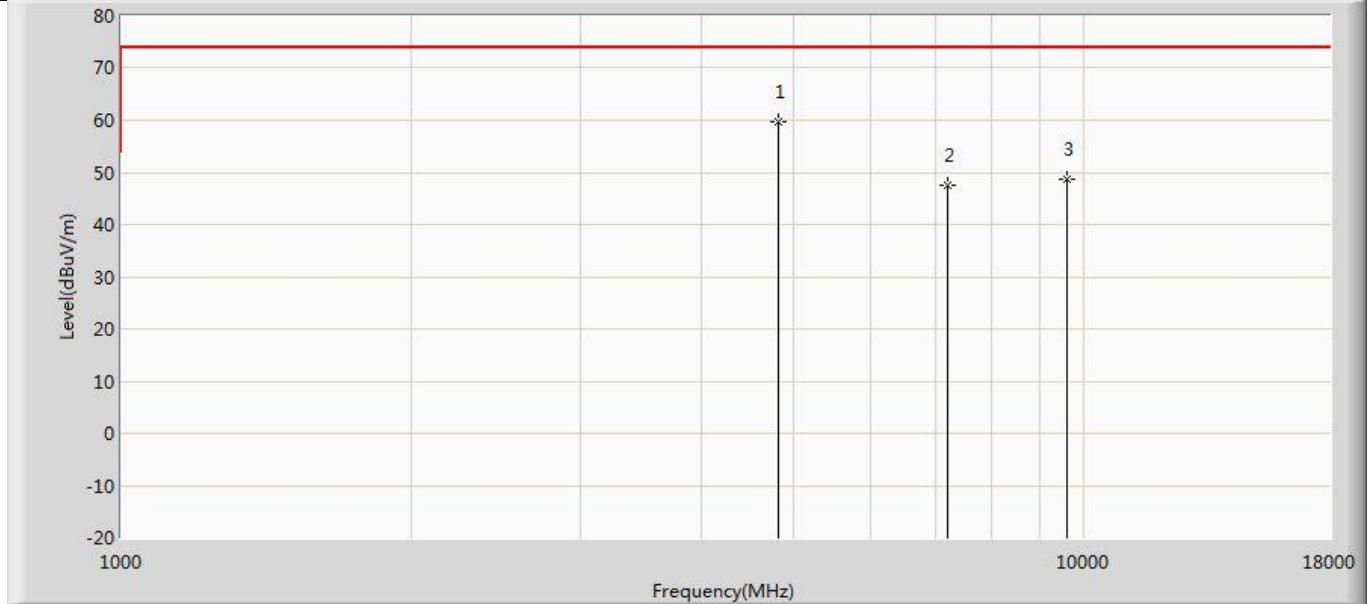
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	58.823	72.956	-15.177	74.000	-14.133	PK
2		7443.000	51.283	60.704	-22.717	74.000	-9.421	PK
3		9920.000	49.392	54.304	-24.608	74.000	-4.912	PK

Profile: 2340774R	Page No.: 31
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



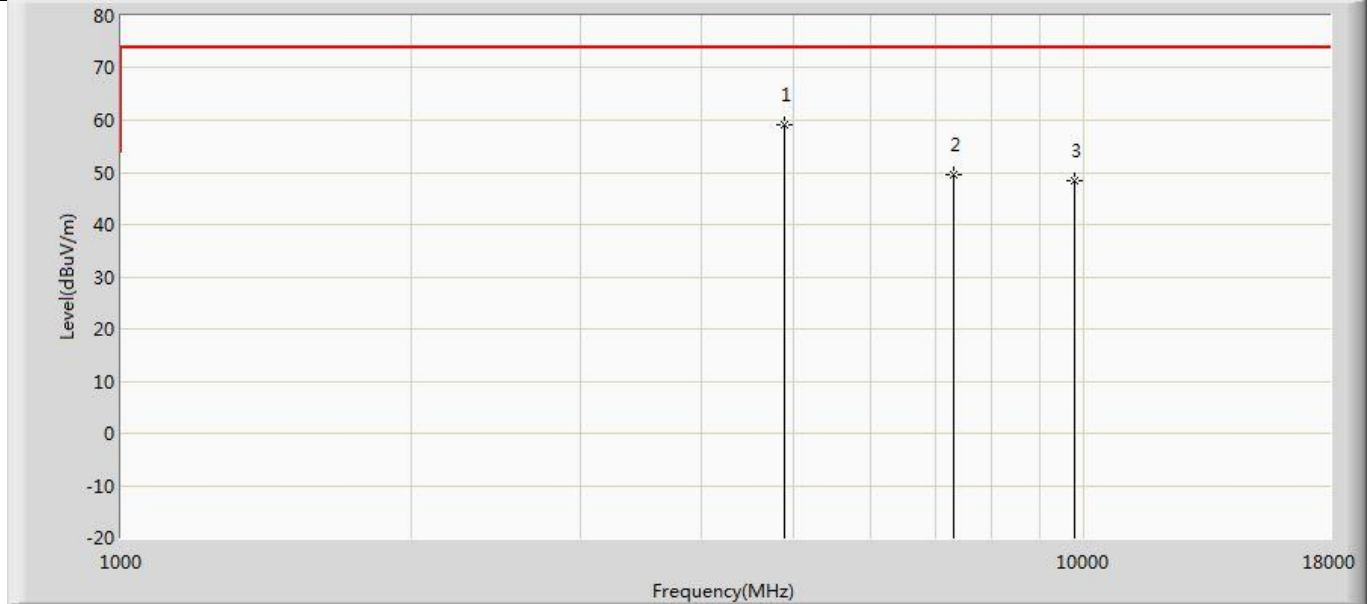
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	58.099	72.746	-15.901	74.000	-14.647	PK
2		7205.000	47.848	57.558	-26.152	74.000	-9.710	PK
3		9608.000	49.261	54.896	-24.739	74.000	-5.635	PK

Profile: 2340774R	Page No.: 32
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



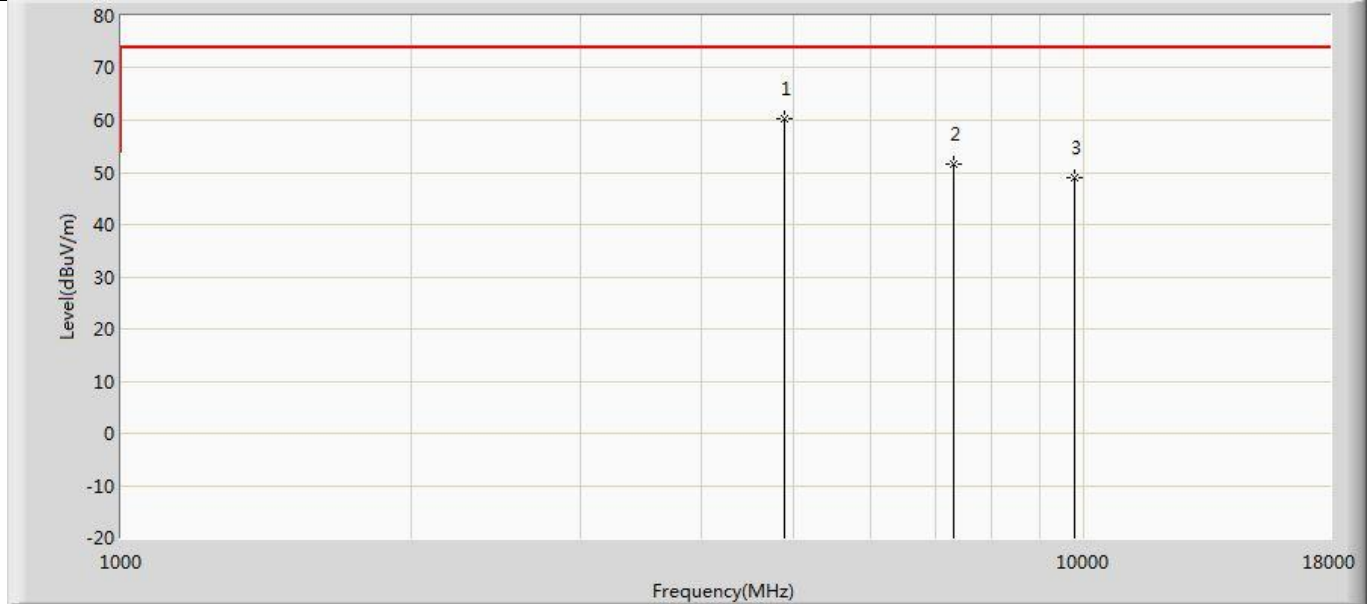
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	59.579	74.226	-14.421	74.000	-14.647	PK
2		7205.000	47.481	57.191	-26.519	74.000	-9.710	PK
3		9608.000	48.574	54.209	-25.426	74.000	-5.635	PK

Profile: 2340774R	Page No.: 33
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 3 : Transmit at 2441MHz by 3DH5	



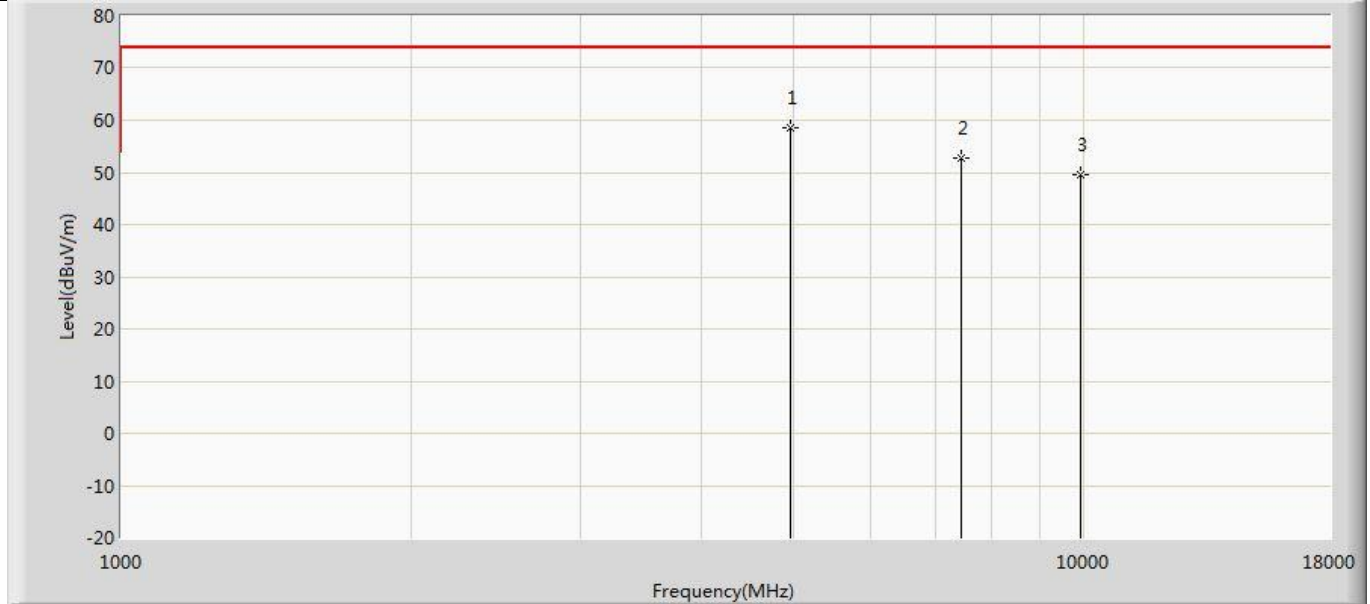
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	59.208	73.504	-14.792	74.000	-14.297	PK
2		7324.000	49.580	59.306	-24.420	74.000	-9.726	PK
3		9764.000	48.404	54.024	-25.596	74.000	-5.620	PK

Profile: 2340774R	Page No.: 34
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 3 : Transmit at 2441MHz by 3DH5	



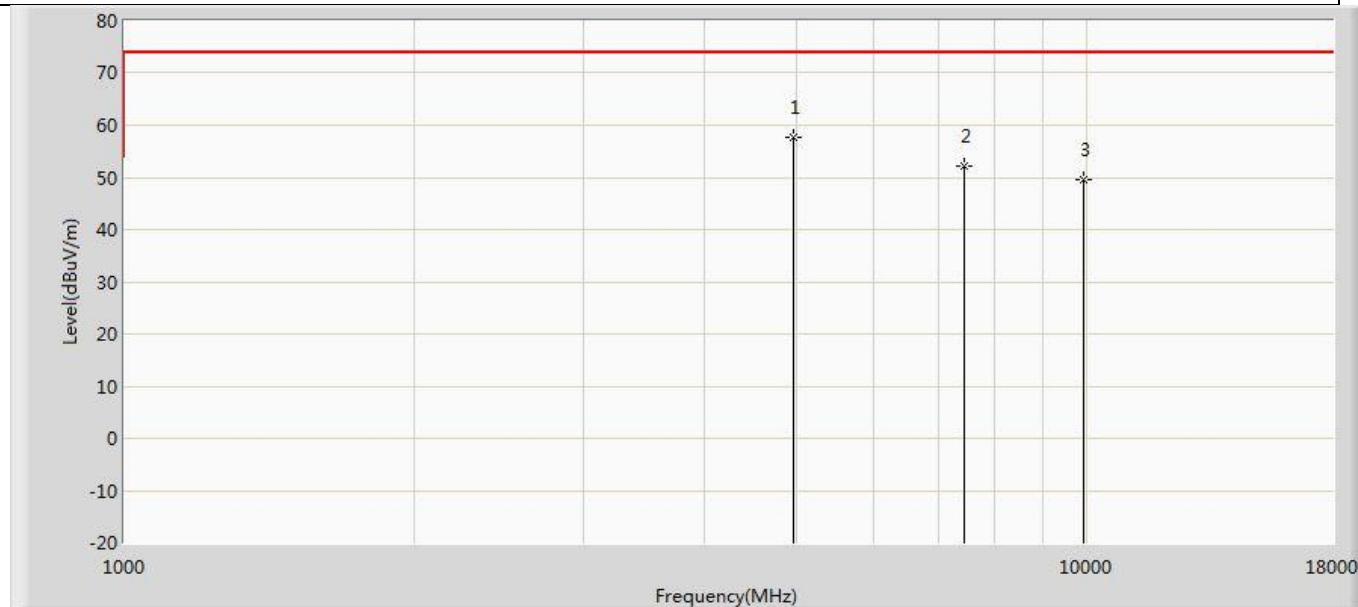
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	60.361	74.657	-13.639	74.000	-14.297	PK
2		7324.000	51.608	61.334	-22.392	74.000	-9.726	PK
3		9764.000	49.007	54.627	-24.993	74.000	-5.620	PK

Profile: 2340774R	Page No.: 35
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	58.584	72.717	-15.416	74.000	-14.133	PK
2		7443.000	52.761	62.182	-21.239	74.000	-9.421	PK
3		9920.000	49.629	54.541	-24.371	74.000	-4.912	PK

Profile: 2340774R	Page No.: 36
Engineer: Yuliu	
Site: AC5	Time: 2023/05/25 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



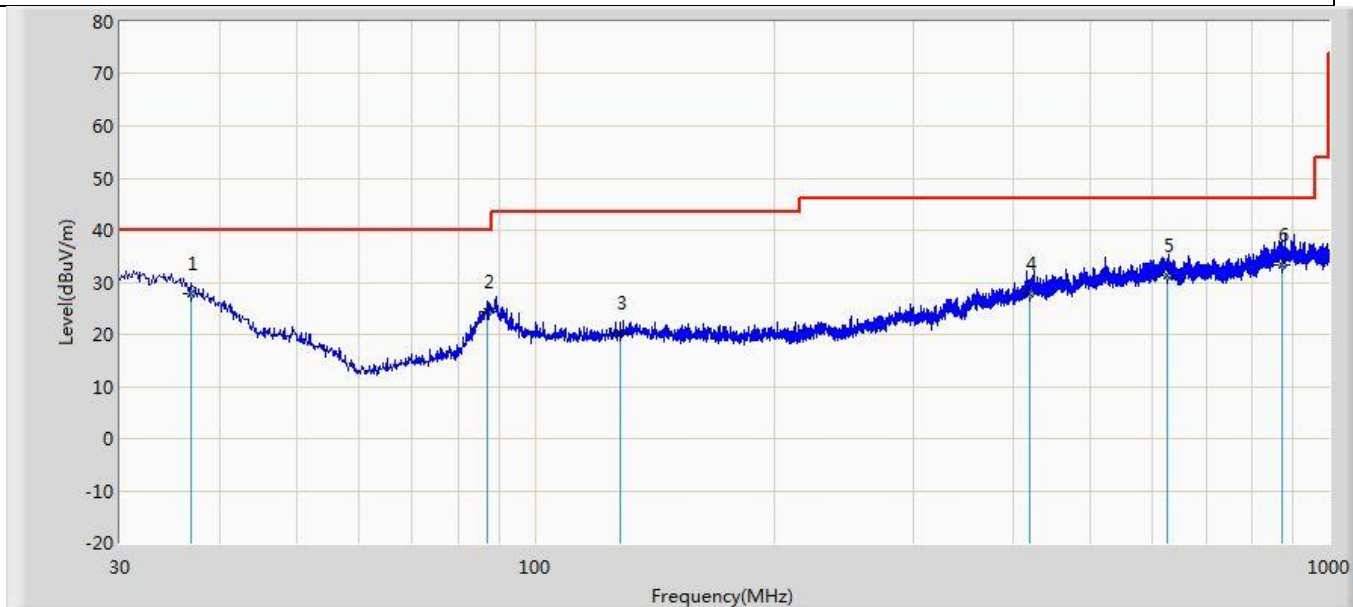
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	57.787	71.920	-16.213	74.000	-14.133	PK
2		7443.000	52.084	61.505	-21.916	74.000	-9.421	PK
3		9920.000	49.561	54.473	-24.439	74.000	-4.912	PK

Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
3. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.
4. According to FCC15.35(c), a duty cycle correction factor is applied here. For HFSS mode, maximum duty cycle will be 1.27%, which is 37.9dB. Hence this margin could cover the highest spurious above.

The worst case of Radiated Emission below 1GHz :

Profile: 2340774R	Page No.: 187
Engineer: Yuliu	
Site: AC3	Time: 2023/05/17 - 02:53
Limit: FCC_Part 15.209_RE (3m)	Margin: 0
Probe: AC3_3M (30-1000M)	Polarity: Horizontal
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2402MHz by DH5	

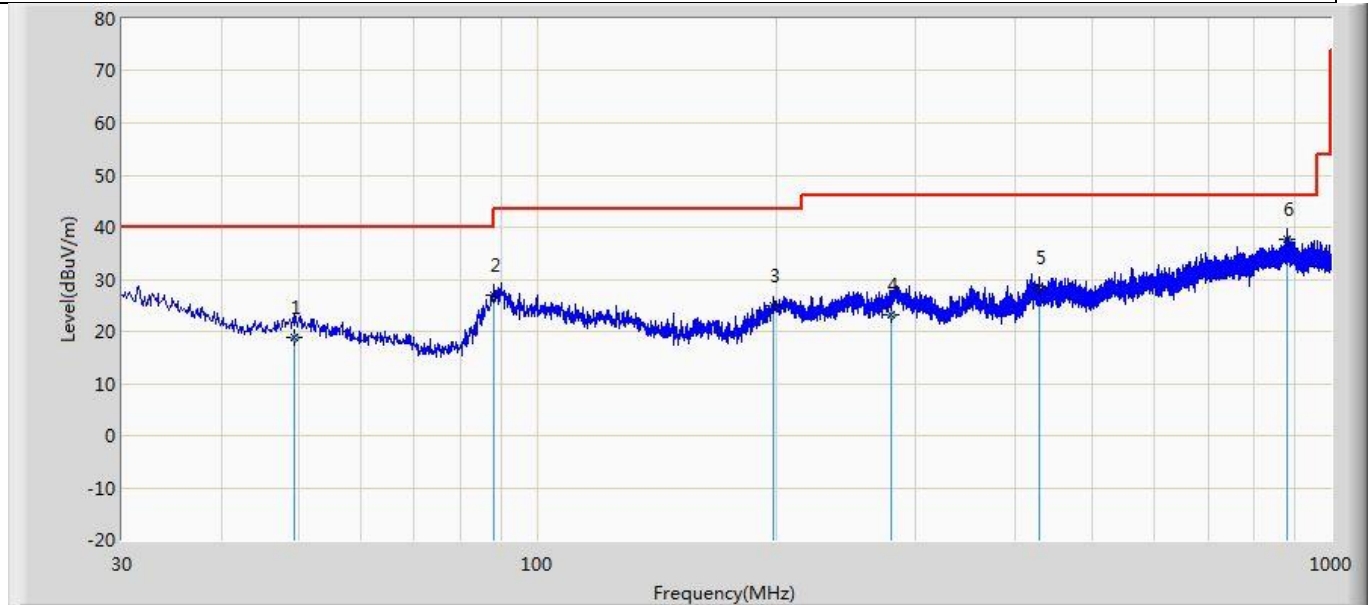


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	36.790	27.886	2.564	-12.114	40.000	25.322	QP
2		86.988	24.236	10.132	-15.764	40.000	14.104	QP
3		127.970	20.380	3.214	-23.120	43.500	17.166	QP
4		419.091	27.771	0.838	-18.229	46.000	26.933	QP
5		625.580	31.398	0.873	-14.602	46.000	30.525	QP
6		874.264	33.420	1.015	-12.580	46.000	32.405	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

Profile: 2340774R	Page No.: 188
Engineer: Yuliu	
Site: AC3	Time: 2023/05/17 - 02:56
Limit: FCC_Part 15.209_RE (3m)	Margin: 0
Probe: AC3_3M (30-1000M)	Polarity: Vertical
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2402MHz by DH5	



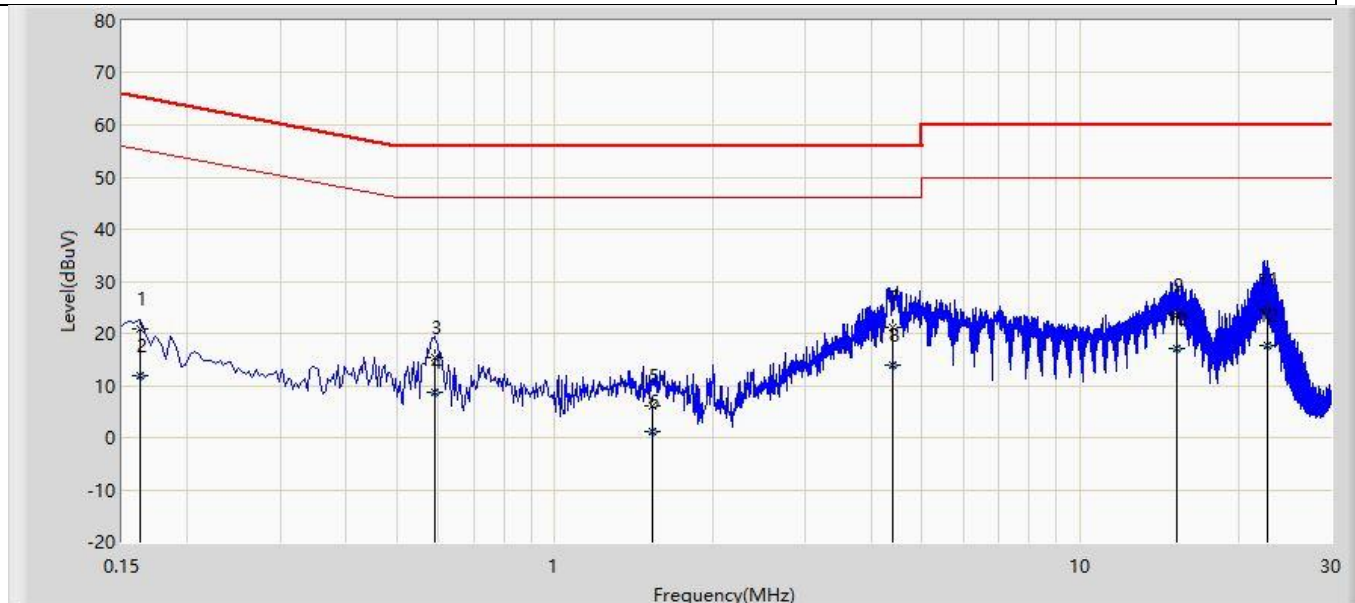
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		49.400	18.718	-0.682	-21.282	40.000	19.400	QP
2		88.200	27.079	10.399	-16.421	43.500	16.680	QP
3		198.416	24.801	1.744	-18.699	43.500	23.057	QP
4		279.290	23.287	-1.517	-22.713	46.000	24.804	QP
5		429.034	28.480	2.676	-17.520	46.000	25.805	QP
6	*	879.963	37.799	4.489	-8.201	46.000	33.310	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

Appendix J: AC Power Line Conducted Emission

Profile: 2340774R	Page No.: 161
Engineer: Yuliu	
Site: TR1	Time: 2023/05/17 - 02:18
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101190 (0.009-30MHz)	Polarity: Neutral
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2402MHz by DH5	



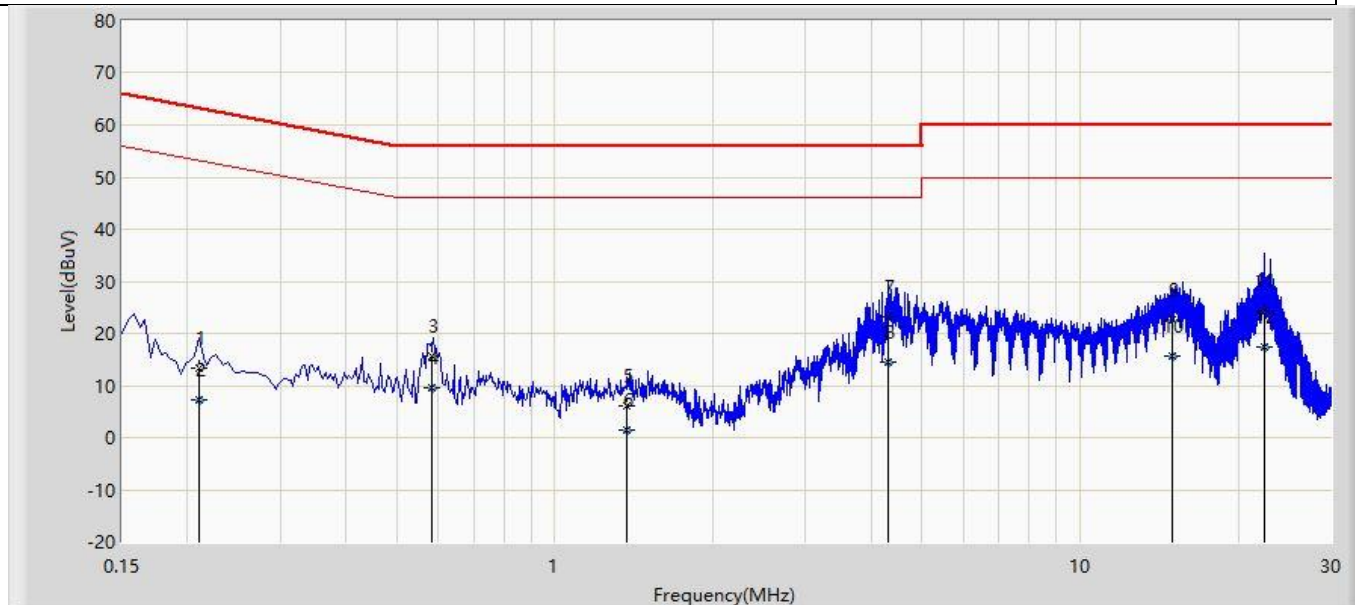
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.162	20.870	11.299	-44.491	65.361	9.572	QP
2		0.162	11.918	2.347	-43.443	55.361	9.572	AV
3		0.589	15.253	5.622	-40.747	56.000	9.631	QP
4		0.589	8.819	-0.812	-37.181	46.000	9.631	AV
5		1.538	6.212	-3.448	-49.788	56.000	9.660	QP
6		1.538	1.173	-8.487	-44.827	46.000	9.660	AV
7		4.402	21.056	11.276	-34.944	56.000	9.780	QP
8	*	4.402	13.950	4.171	-32.050	46.000	9.780	AV
9		15.314	23.364	13.210	-36.636	60.000	10.154	QP
10		15.314	17.148	6.994	-32.852	50.000	10.154	AV
11		22.754	24.593	14.260	-35.407	60.000	10.333	QP
12		22.754	17.605	7.272	-32.395	50.000	10.333	AV

Note:

1. " * ", means this data is the worst emission level.

2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Profile: 2340774R	Page No.: 162
Engineer: Yuliu	
Site: TR1	Time: 2023/05/17 - 02:21
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101190 (0.009-30MHz)	Polarity: Line
EUT: Universal base	Power: 120 Vac / 60 Hz
Note: Mode 1 : Transmit at 2402MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.210	13.305	3.719	-49.900	63.205	9.586	QP
2		0.210	7.125	-2.461	-46.080	53.205	9.586	AV
3		0.584	15.714	6.078	-40.286	56.000	9.635	QP
4		0.584	9.446	-0.190	-36.554	46.000	9.635	AV
5		1.374	6.224	-3.431	-49.776	56.000	9.655	QP
6		1.374	1.348	-8.307	-44.652	46.000	9.655	AV
7		4.322	23.287	13.501	-32.713	56.000	9.785	QP
8	*	4.322	14.563	4.778	-31.437	46.000	9.785	AV
9		14.994	22.564	12.434	-37.436	60.000	10.130	QP
10		14.994	15.705	5.575	-34.295	50.000	10.130	AV
11		22.454	24.418	14.132	-35.582	60.000	10.285	QP
12		22.454	17.495	7.210	-32.505	50.000	10.285	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

The End