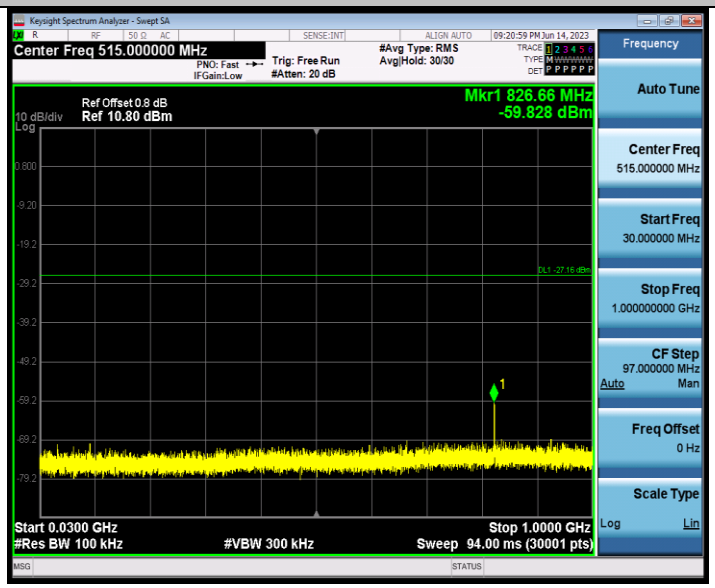
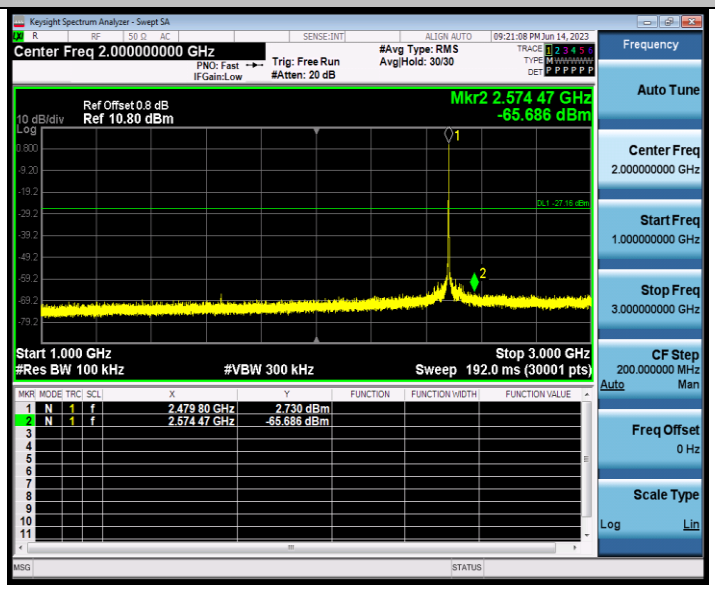
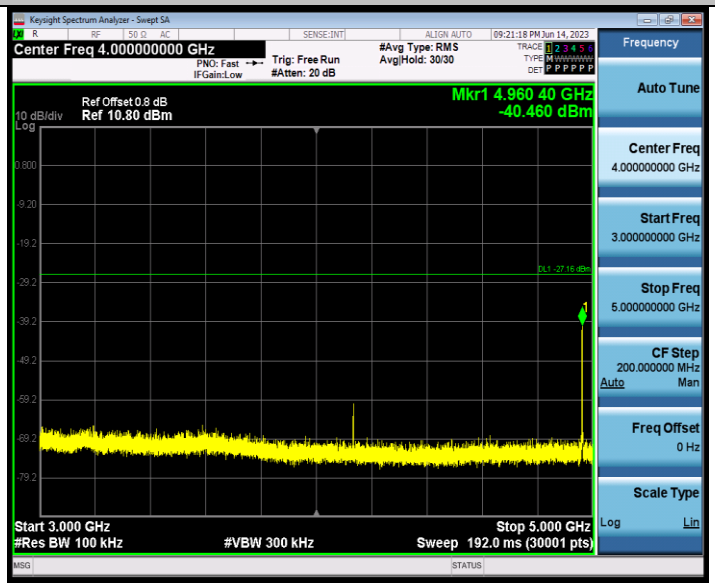
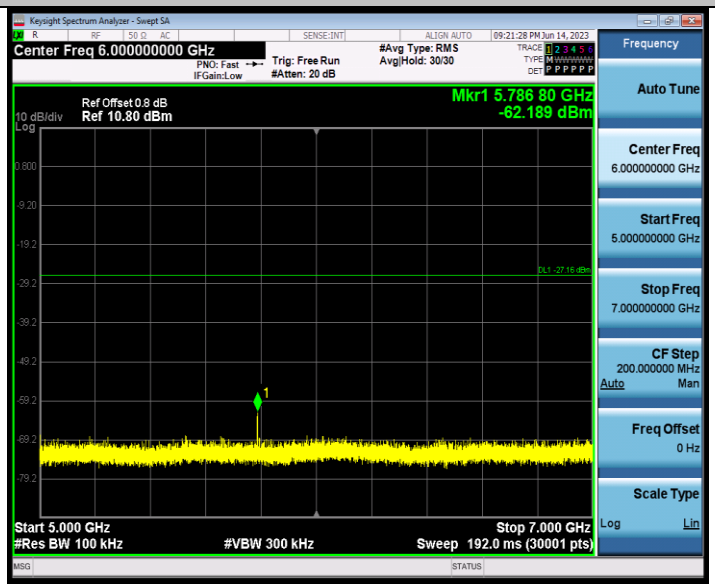
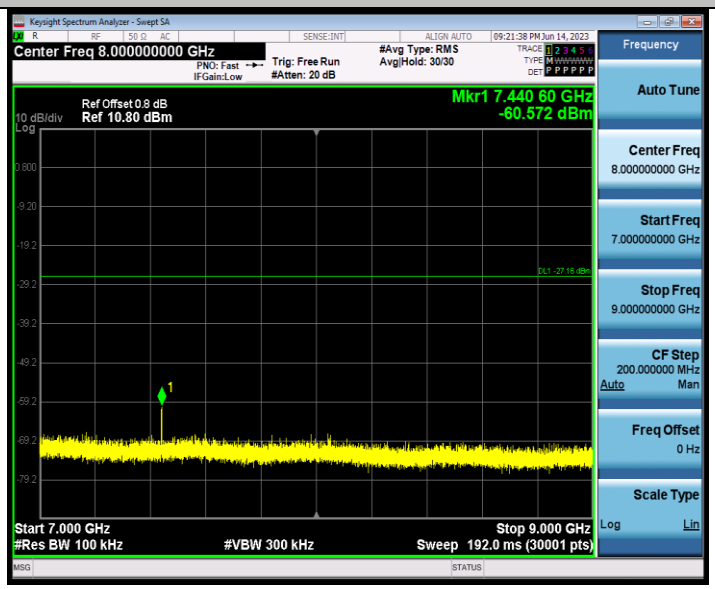
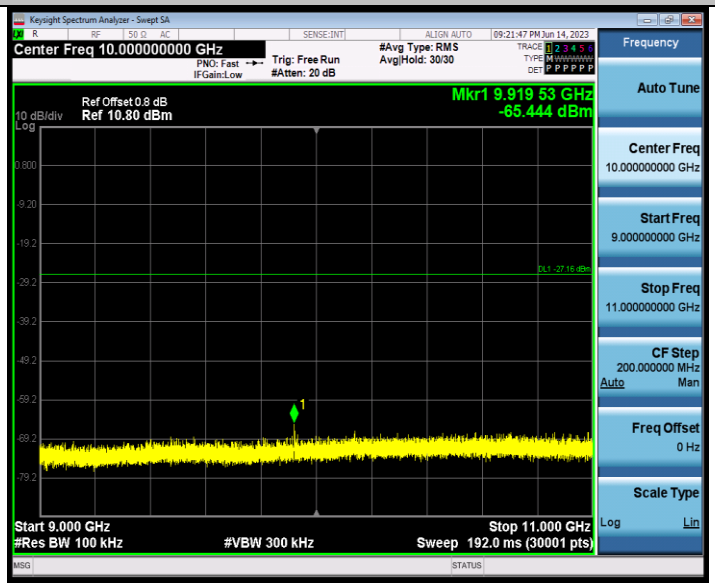
3DH5_Ant1_2480_30~1000


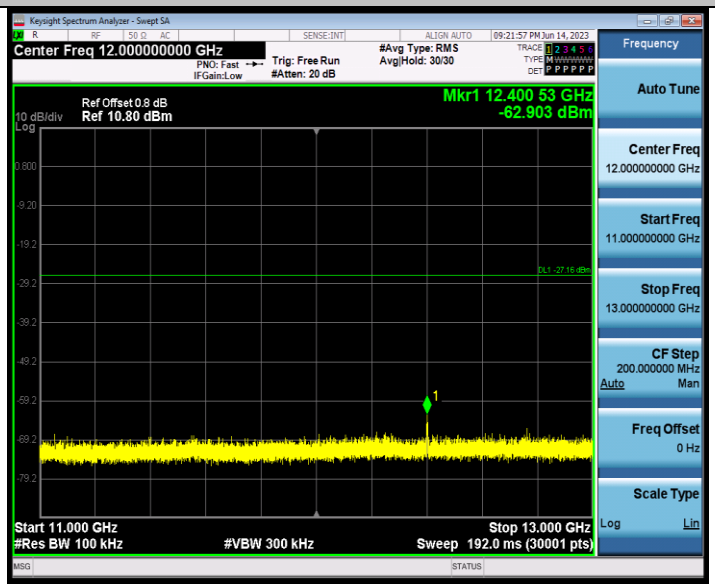
3DH5_Ant1_2480_1000~3000


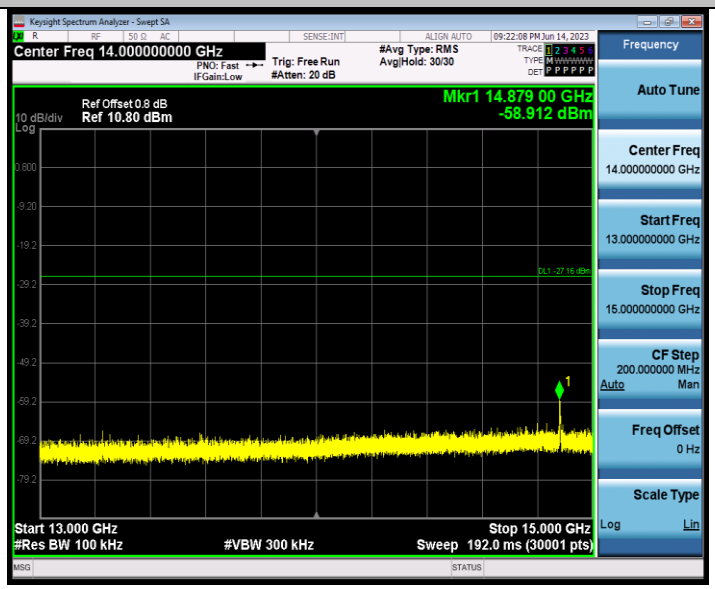
3DH5_Ant1_2480_3000~5000


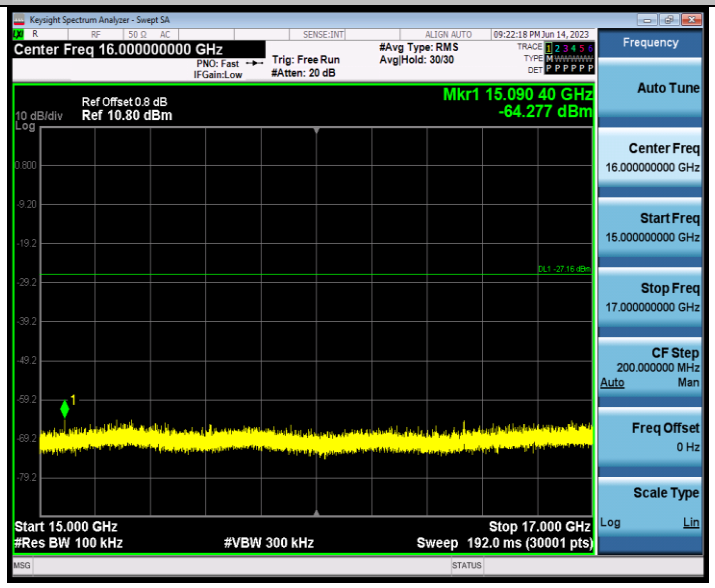
3DH5_Ant1_2480_5000~7000


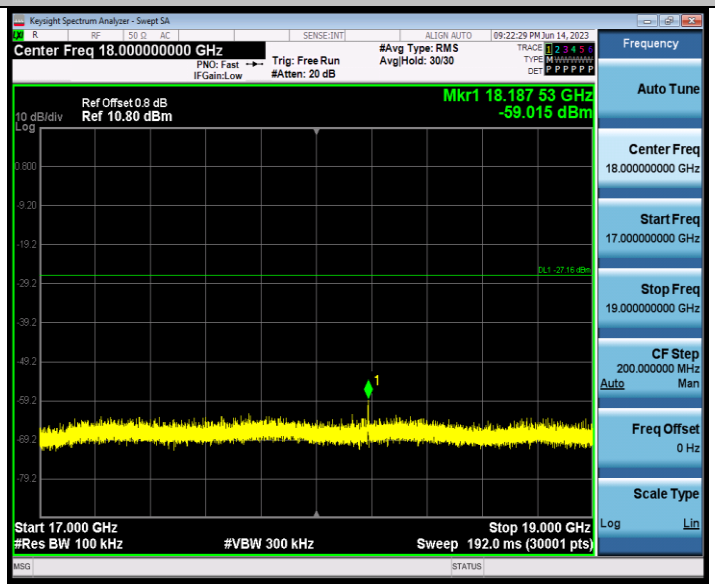
3DH5_Ant1_2480_7000~9000


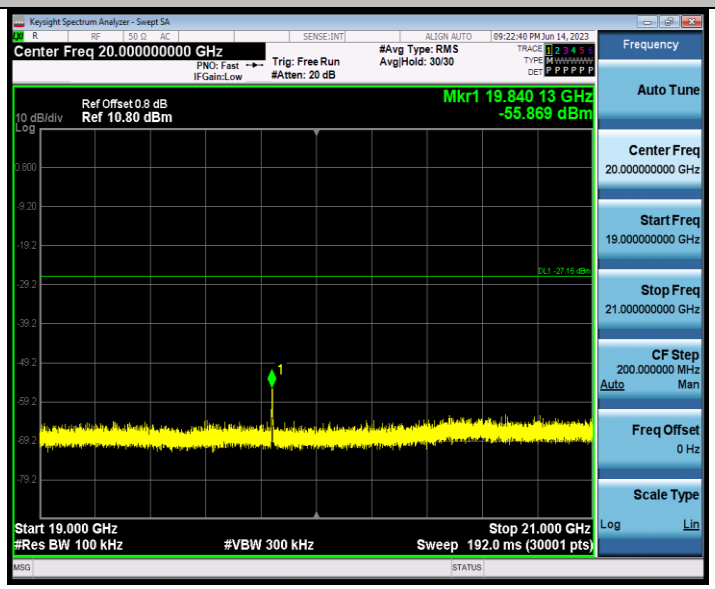
3DH5_Ant1_2480_9000~11000


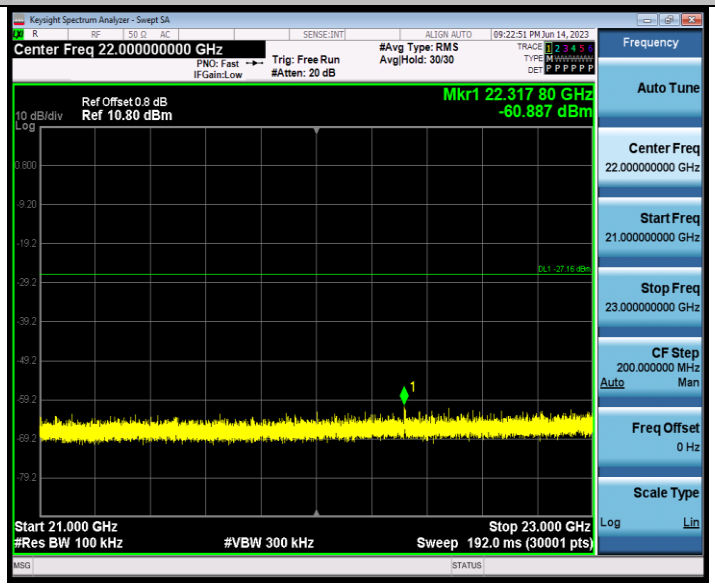
3DH5_Ant1_2480_11000~13000


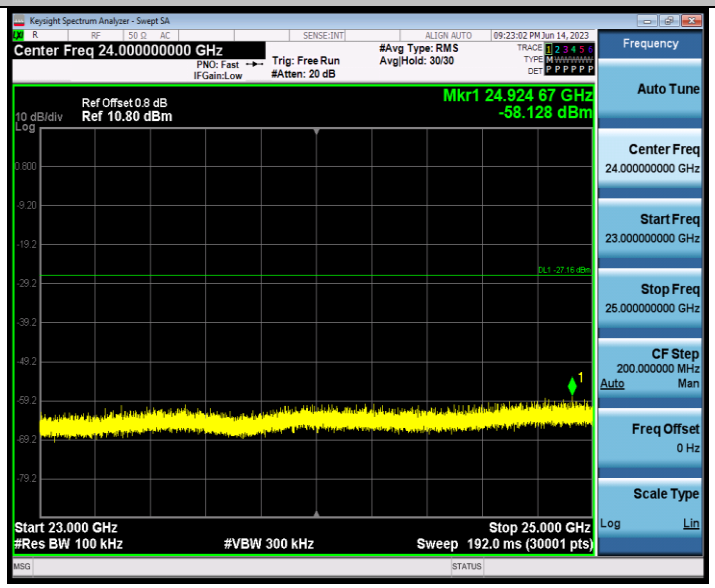
3DH5_Ant1_2480_13000~15000


3DH5_Ant1_2480_15000~17000


3DH5_Ant1_2480_17000~19000


3DH5_Ant1_2480_19000~21000


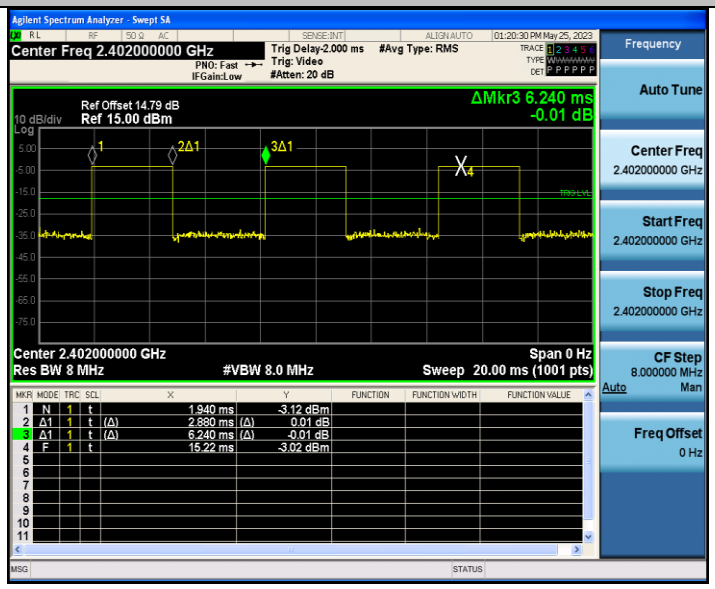
3DH5_Ant1_2480_21000~23000


3DH5_Ant1_2480_23000~25000


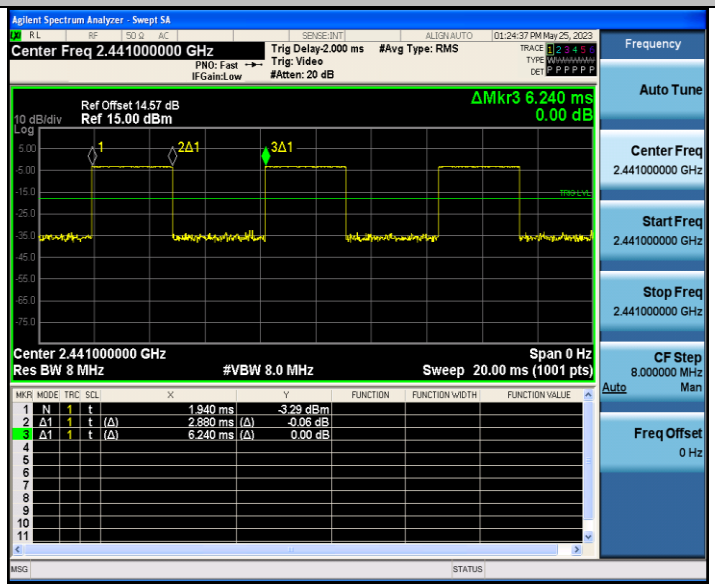
Appendix I: Duty Cycle

Test Mode	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	2.90	6.26	46.33	3.34
	2441	2.88	6.24	46.15	3.36
	2480	2.88	6.24	46.15	3.36
3DH5	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

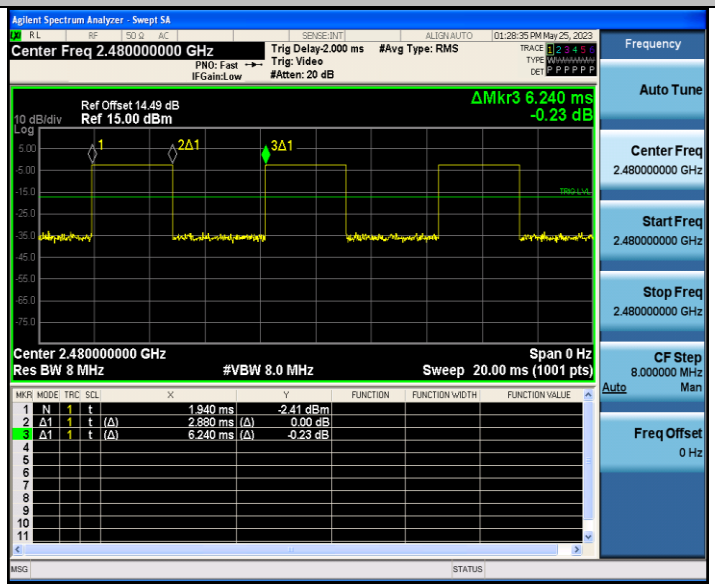
DH5_Ant1_2402



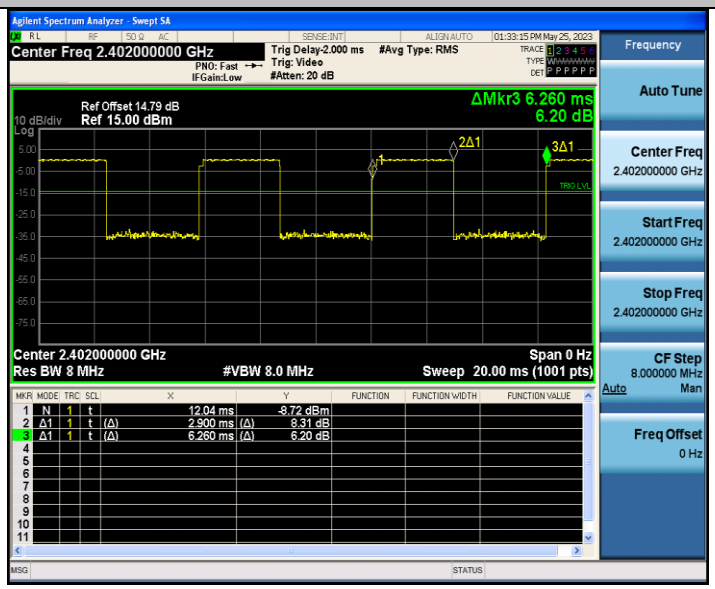
DH5_Ant1_2441



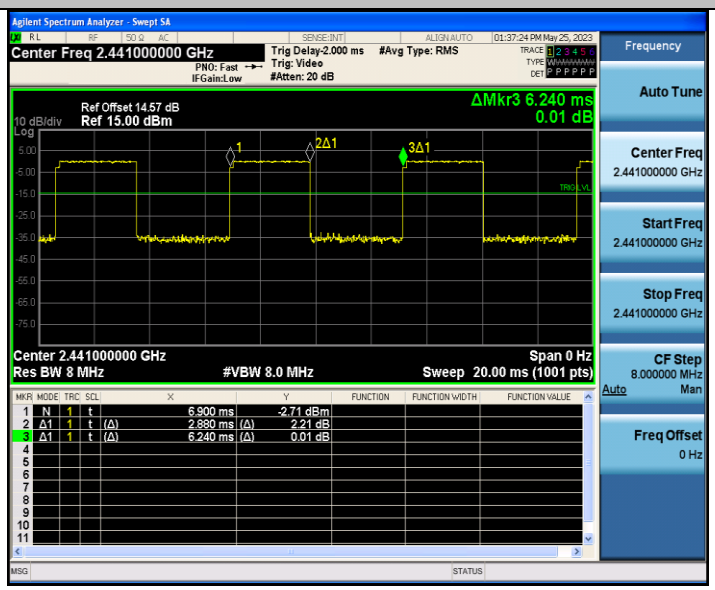
DH5_Ant1_2480



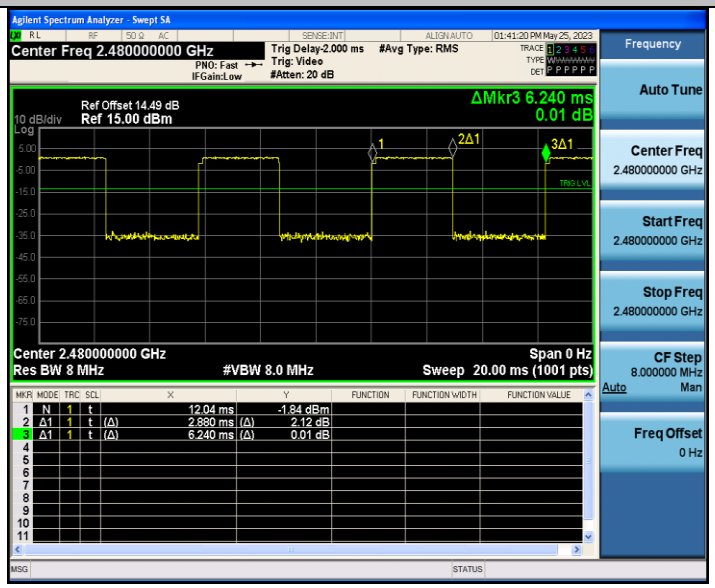
2DH5_Ant1_2402



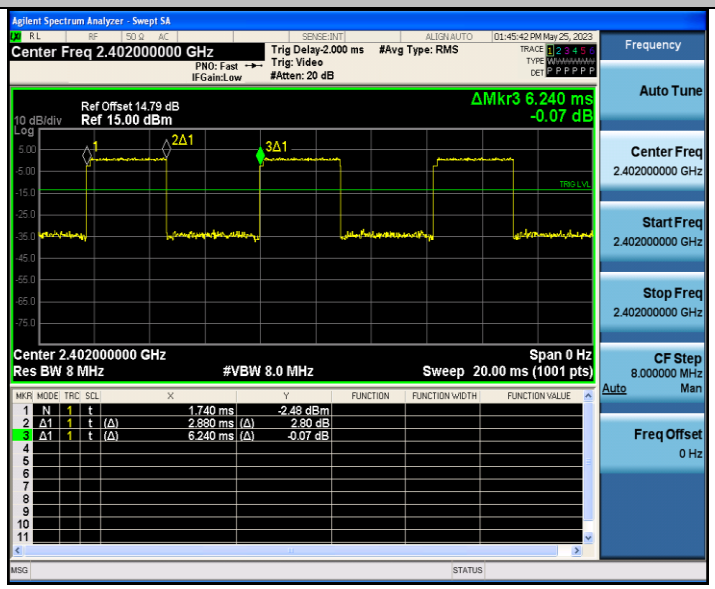
2DH5_Ant1_2441



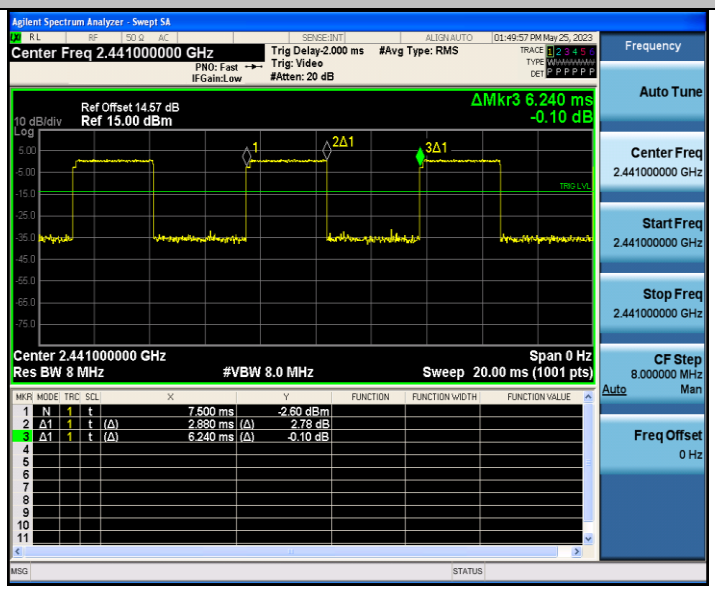
2DH5_Ant1_2480

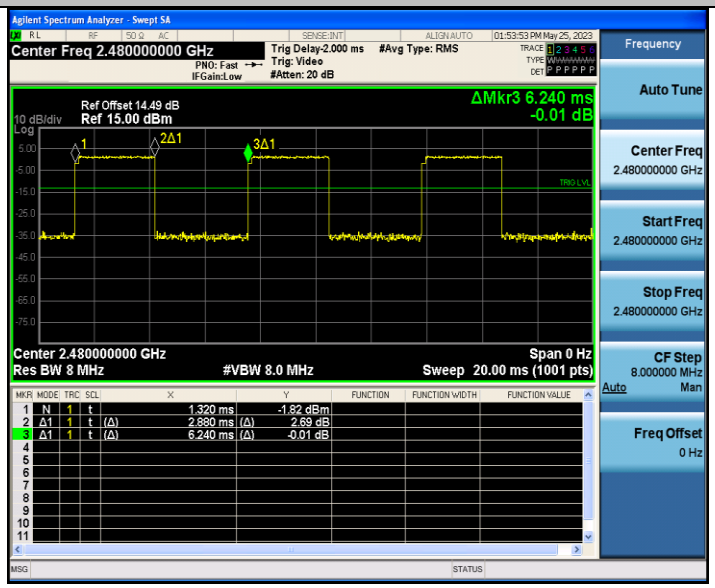


3DH5_Ant1_2402



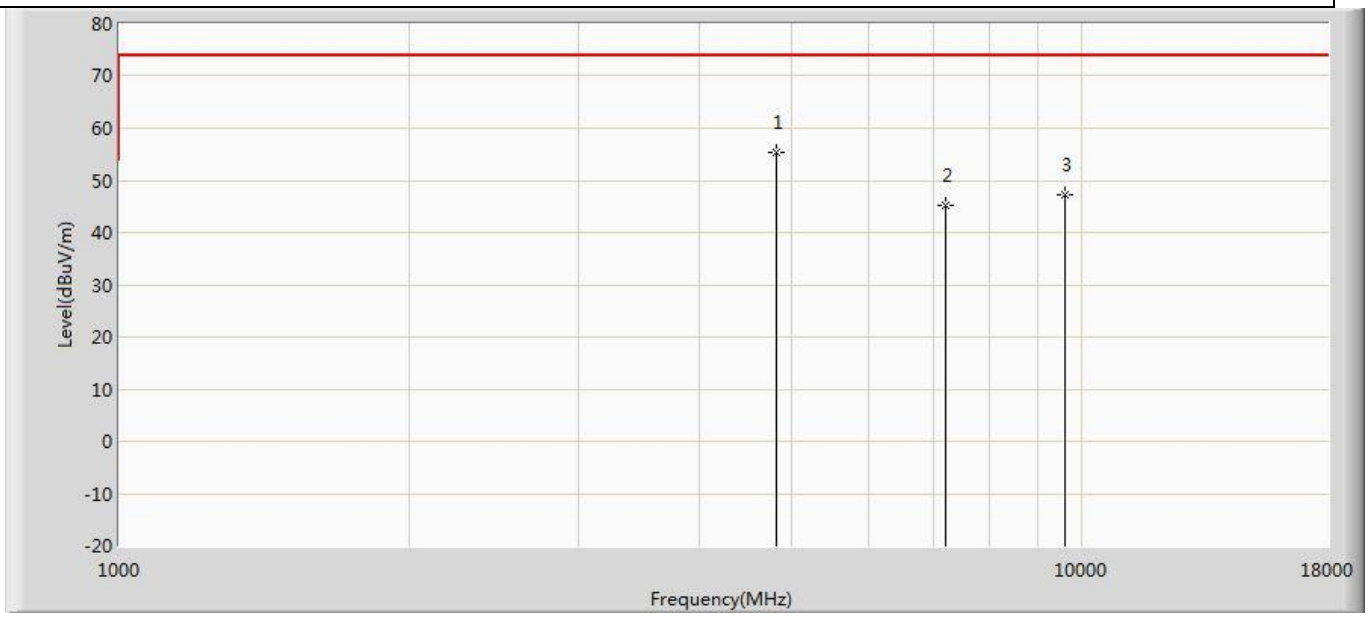
3DH5_Ant1_2441



3DH5_Ant1_2480


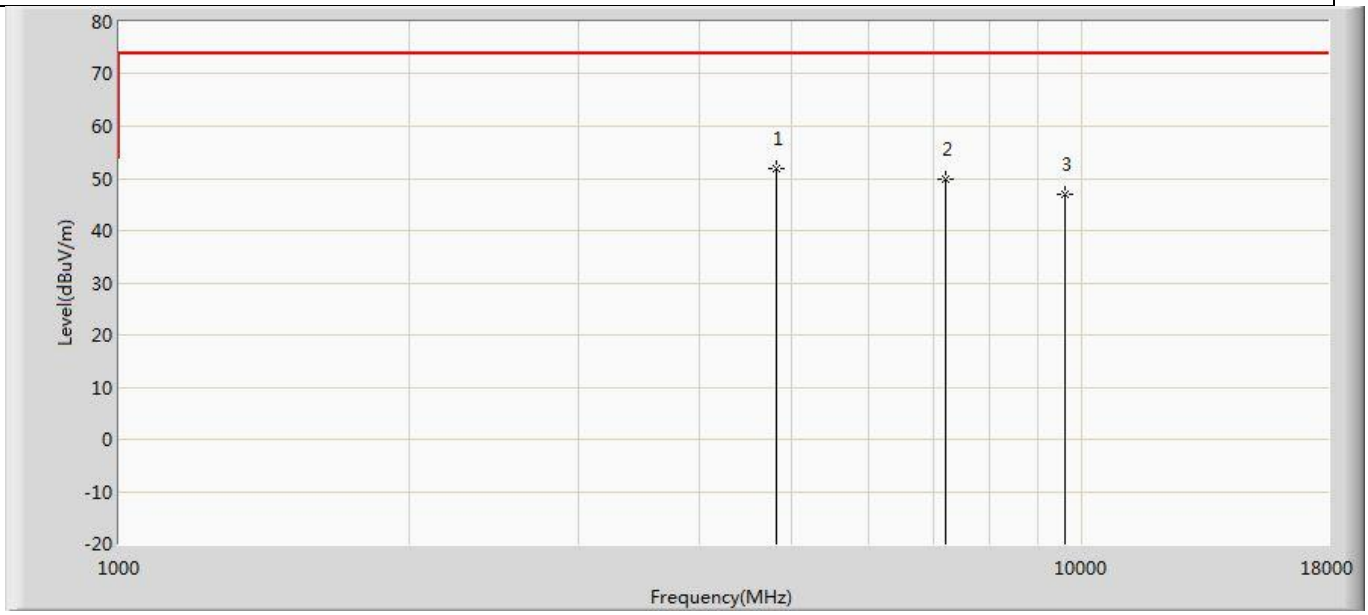
Appendix J: Emissions in Restricted Band

Profile: 2350173R	Page No.: 19
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by DH5	



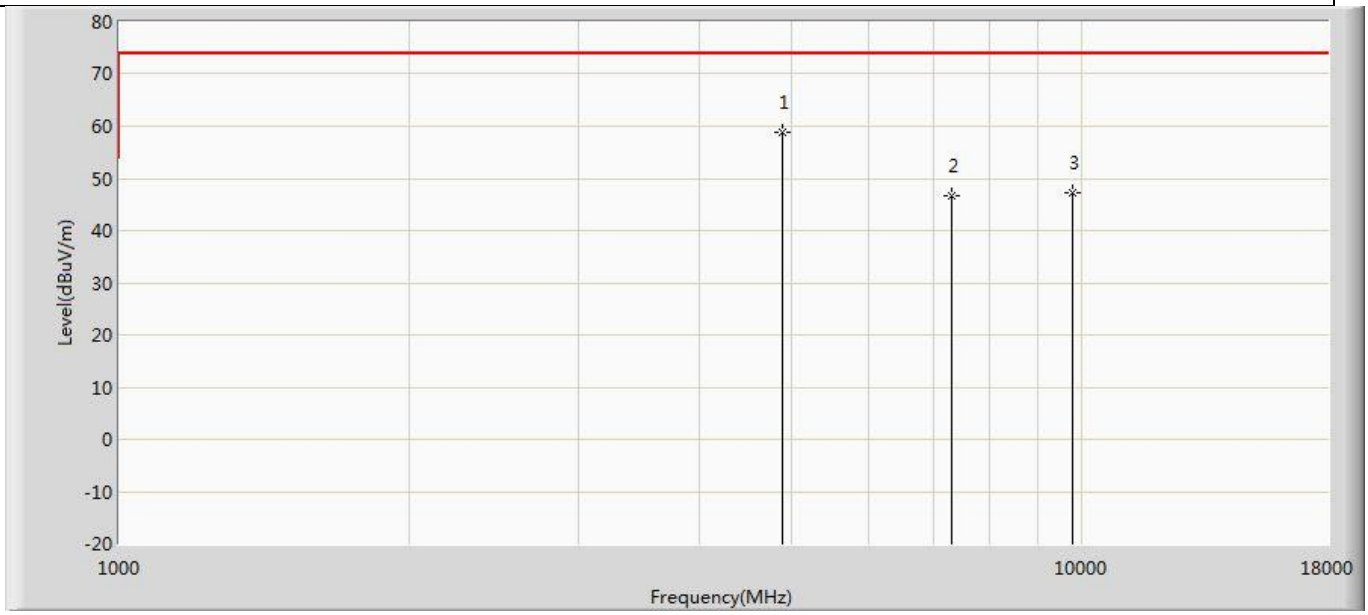
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	55.416	70.063	-18.584	74.000	-14.647	PK
2		7205.000	45.087	54.797	-28.913	74.000	-9.710	PK
3		9608.000	47.324	52.959	-26.676	74.000	-5.635	PK

Profile: 2350173R	Page No.: 20
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by DH5	



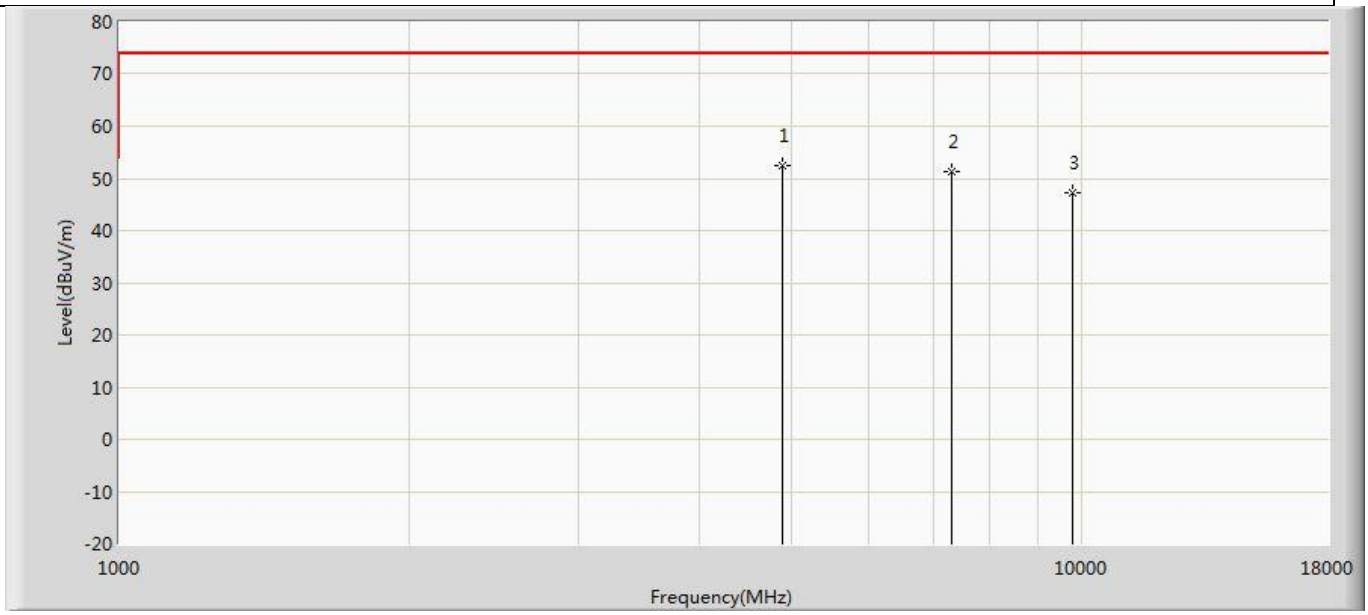
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	51.879	66.526	-22.121	74.000	-14.647	PK
2		7205.000	49.756	59.466	-24.244	74.000	-9.710	PK
3		9608.000	46.910	52.545	-27.090	74.000	-5.635	PK

Profile: 2350173R	Page No.: 21
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2441MHz by DH5	



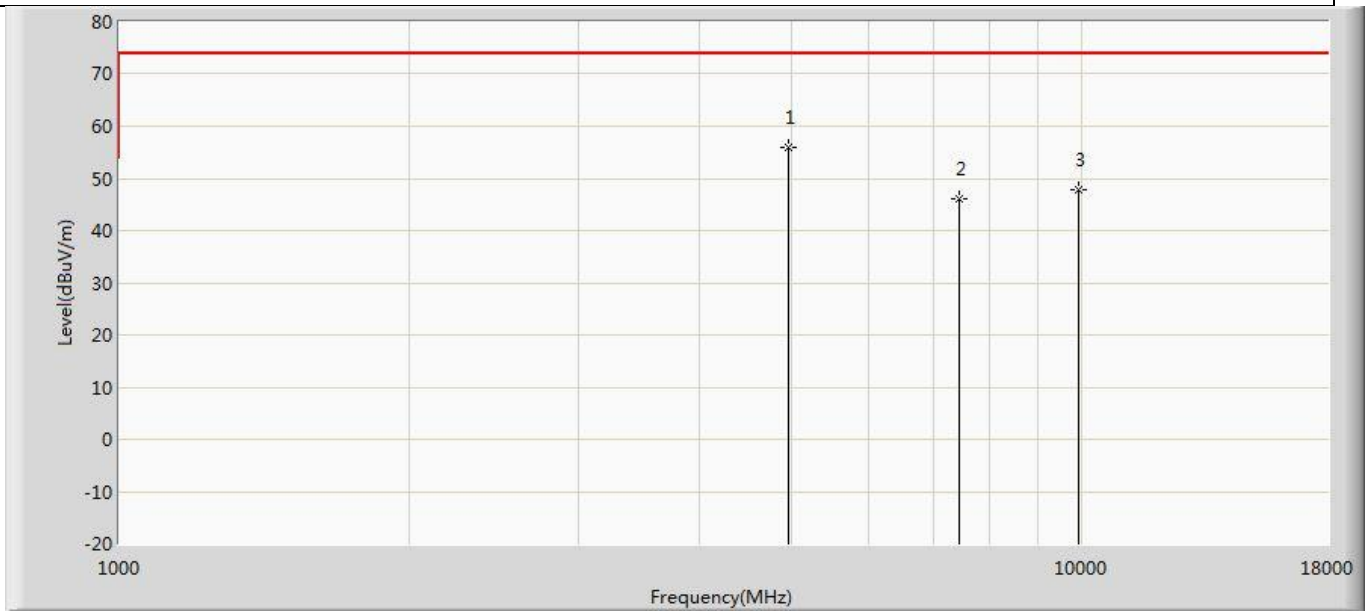
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	58.697	72.993	-15.303	74.000	-14.297	PK
2		7324.000	46.562	56.288	-27.438	74.000	-9.726	PK
3		9764.000	47.153	52.773	-26.847	74.000	-5.620	PK

Profile: 2350173R	Page No.: 22
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2441MHz by DH5	



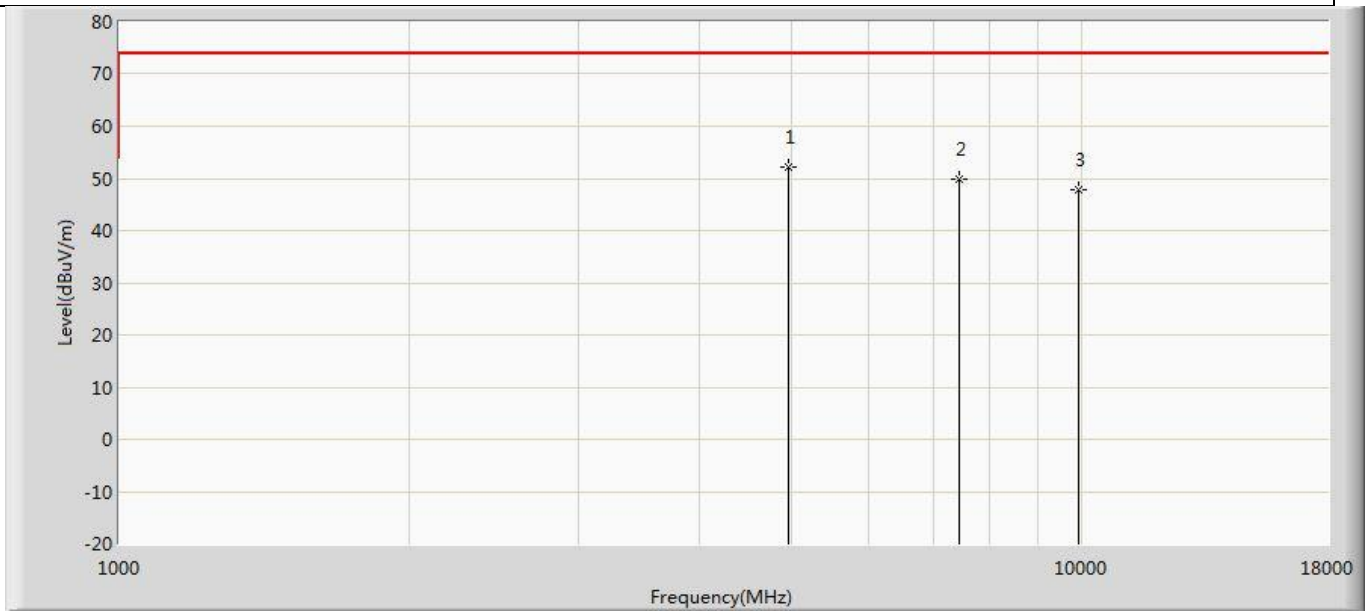
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	52.332	66.628	-21.668	74.000	-14.297	PK
2		7324.000	51.369	61.095	-22.631	74.000	-9.726	PK
3		9764.000	47.365	52.985	-26.635	74.000	-5.620	PK

Profile: 2350173R	Page No.: 23
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2480MHz by DH5	



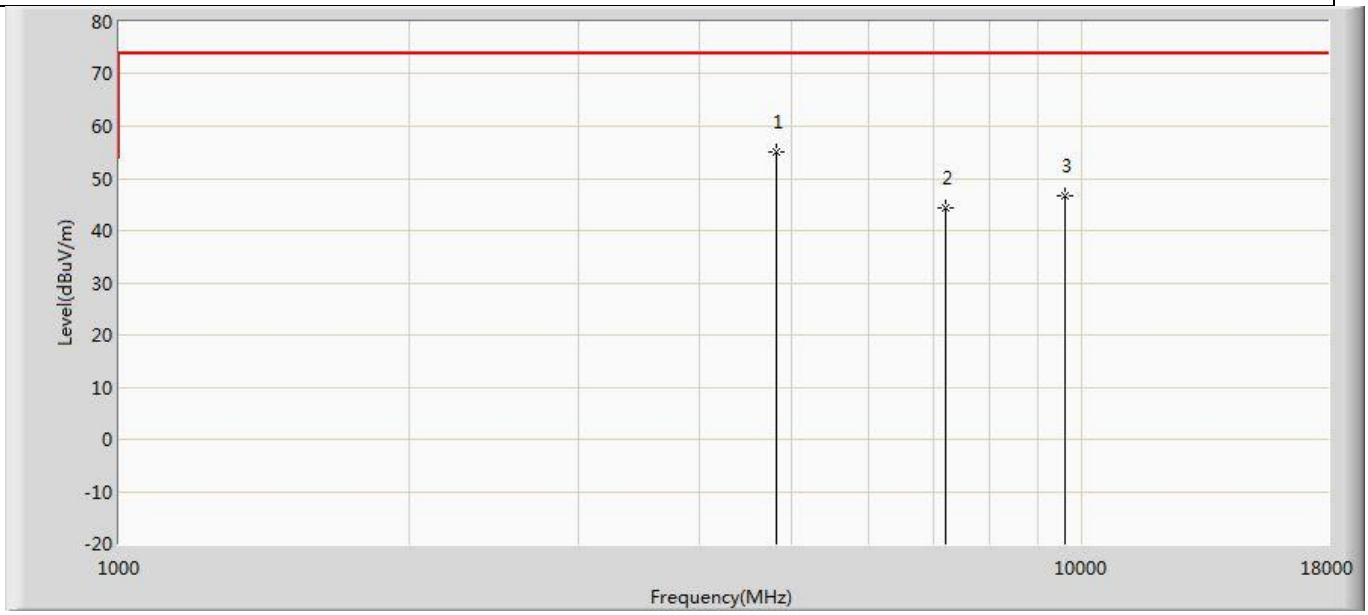
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	55.824	69.957	-18.176	74.000	-14.133	PK
2		7443.000	46.055	55.476	-27.945	74.000	-9.421	PK
3		9920.000	47.817	52.729	-26.183	74.000	-4.912	PK

Profile: 2350173R	Page No.: 24
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2480MHz by DH5	



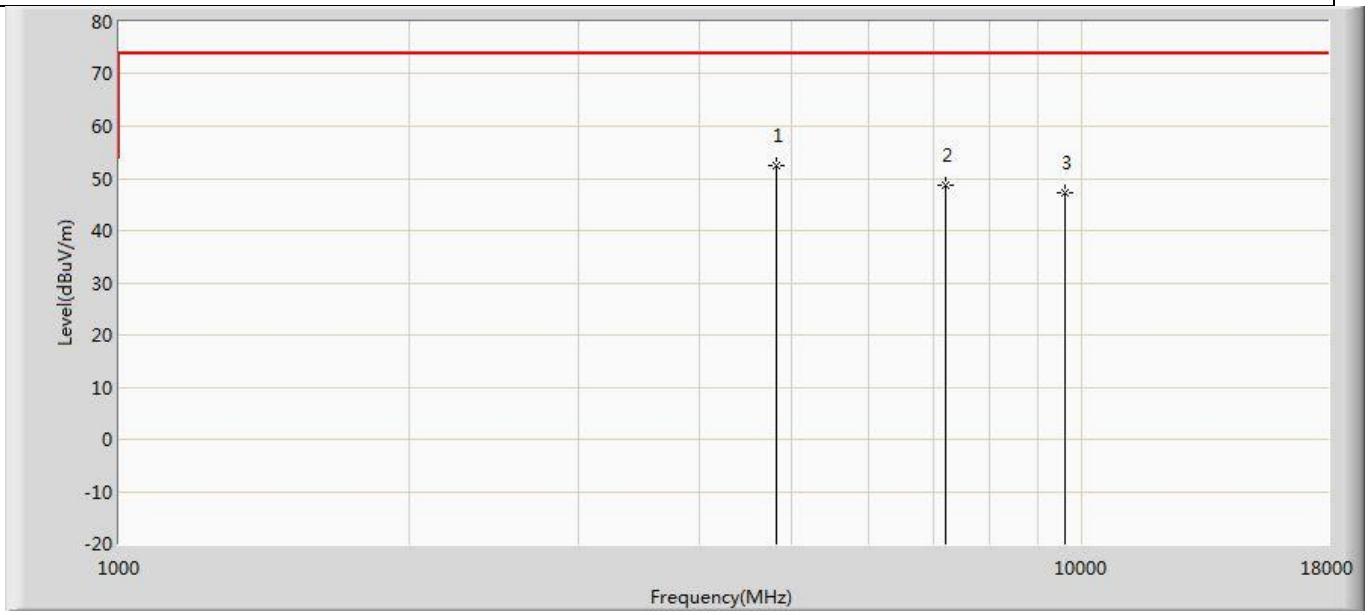
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	52.276	66.409	-21.724	74.000	-14.133	PK
2		7443.000	49.935	59.356	-24.065	74.000	-9.421	PK
3		9920.000	47.777	52.689	-26.223	74.000	-4.912	PK

Profile: 2350173R	Page No.: 25
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2402MHz by 2DH5	



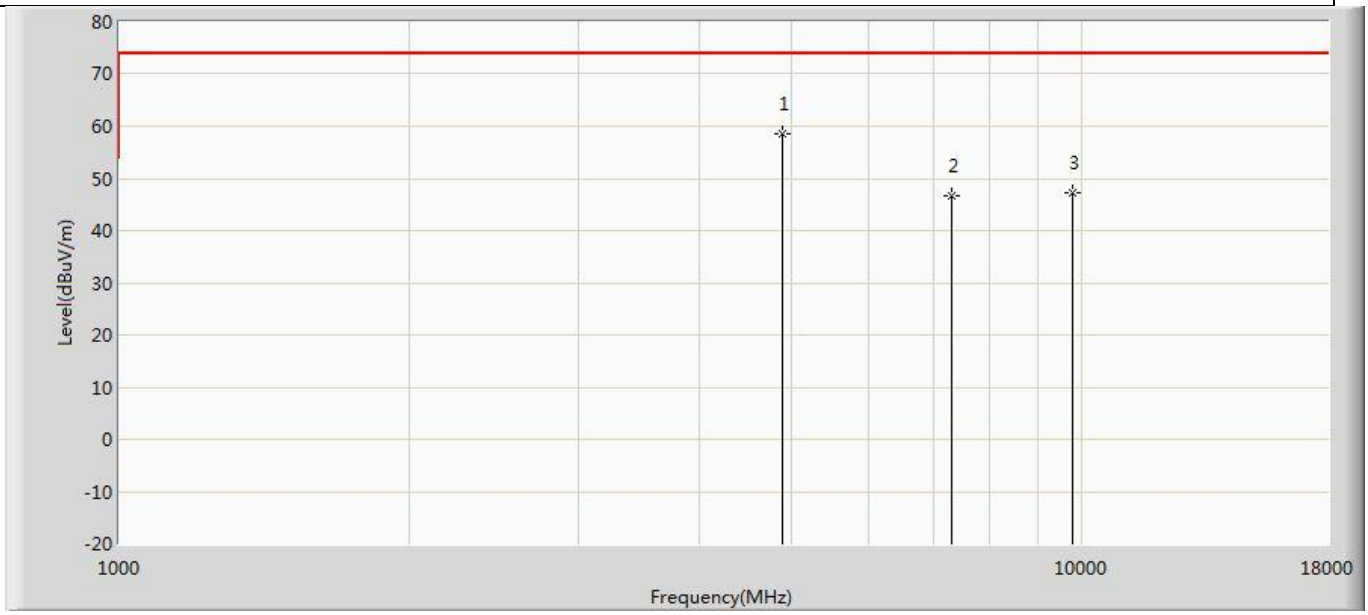
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	54.986	69.633	-19.014	74.000	-14.647	PK
2		7206.000	44.250	53.966	-29.750	74.000	-9.716	PK
3		9608.000	46.791	52.426	-27.209	74.000	-5.635	PK

Profile: 2350173R	Page No.: 26
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2402MHz by 2DH5	



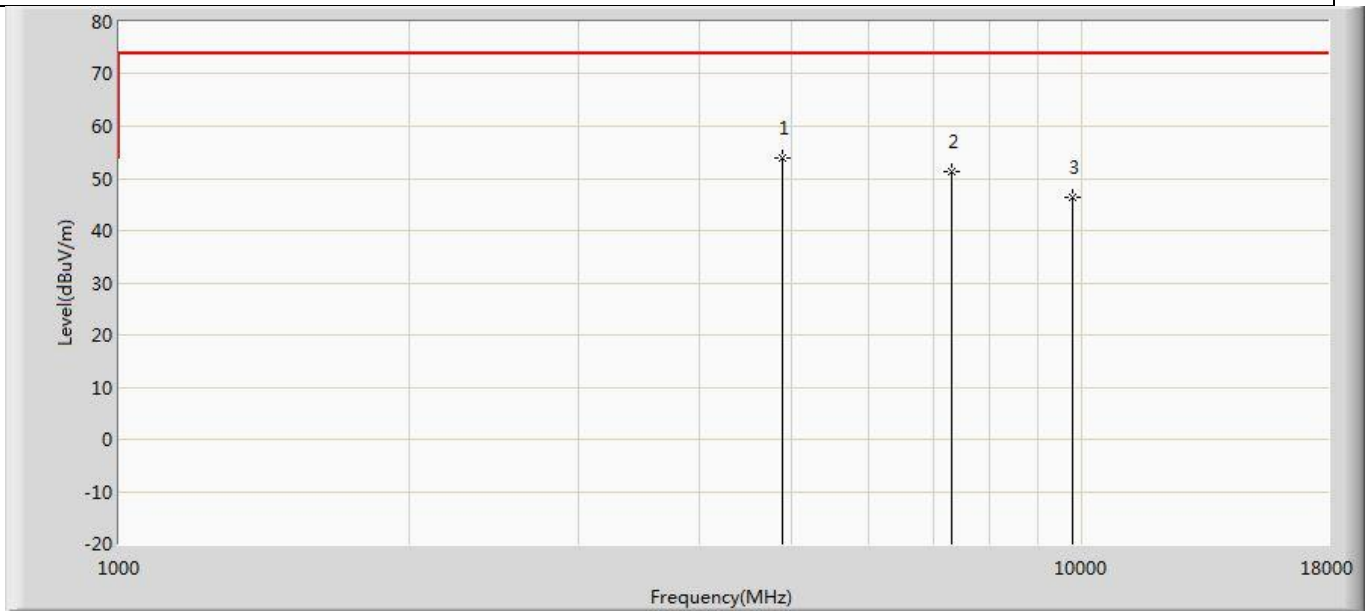
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	52.400	67.047	-21.600	74.000	-14.647	PK
2		7205.000	48.554	58.264	-25.446	74.000	-9.710	PK
3		9608.000	47.161	52.796	-26.839	74.000	-5.635	PK

Profile: 2350173R	Page No.: 27
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2441MHz by 2DH5	



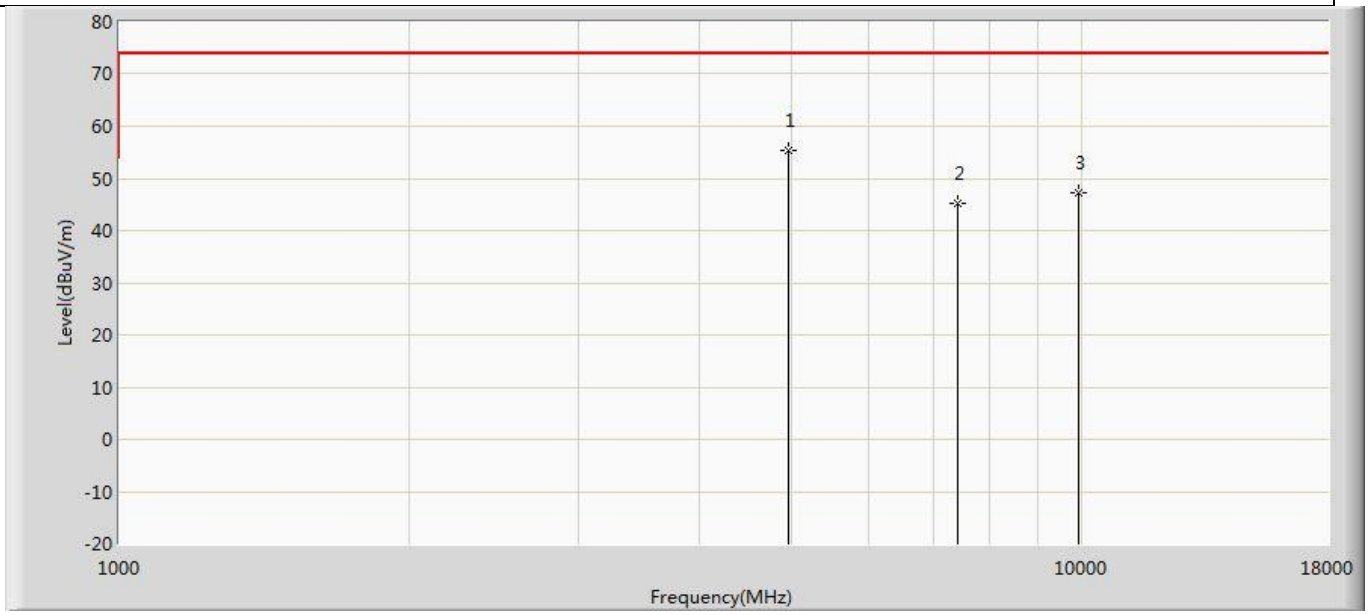
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	58.581	72.877	-15.419	74.000	-14.297	PK
2		7324.000	46.679	56.405	-27.321	74.000	-9.726	PK
3		9764.000	47.267	52.887	-26.733	74.000	-5.620	PK

Profile: 2350173R	Page No.: 28
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2441MHz by 2DH5	



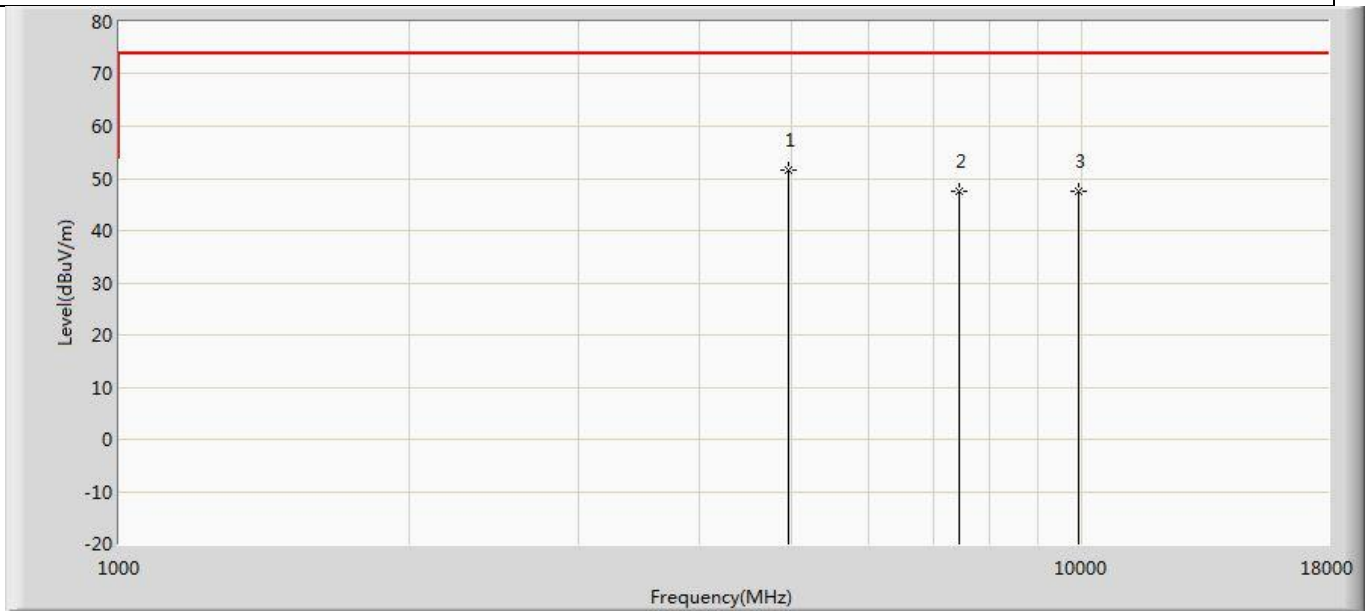
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	53.832	68.128	-20.168	74.000	-14.297	PK
2		7324.000	51.240	60.966	-22.760	74.000	-9.726	PK
3		9764.000	46.416	52.036	-27.584	74.000	-5.620	PK

Profile: 2350173R	Page No.: 29
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2480MHz by 2DH5	



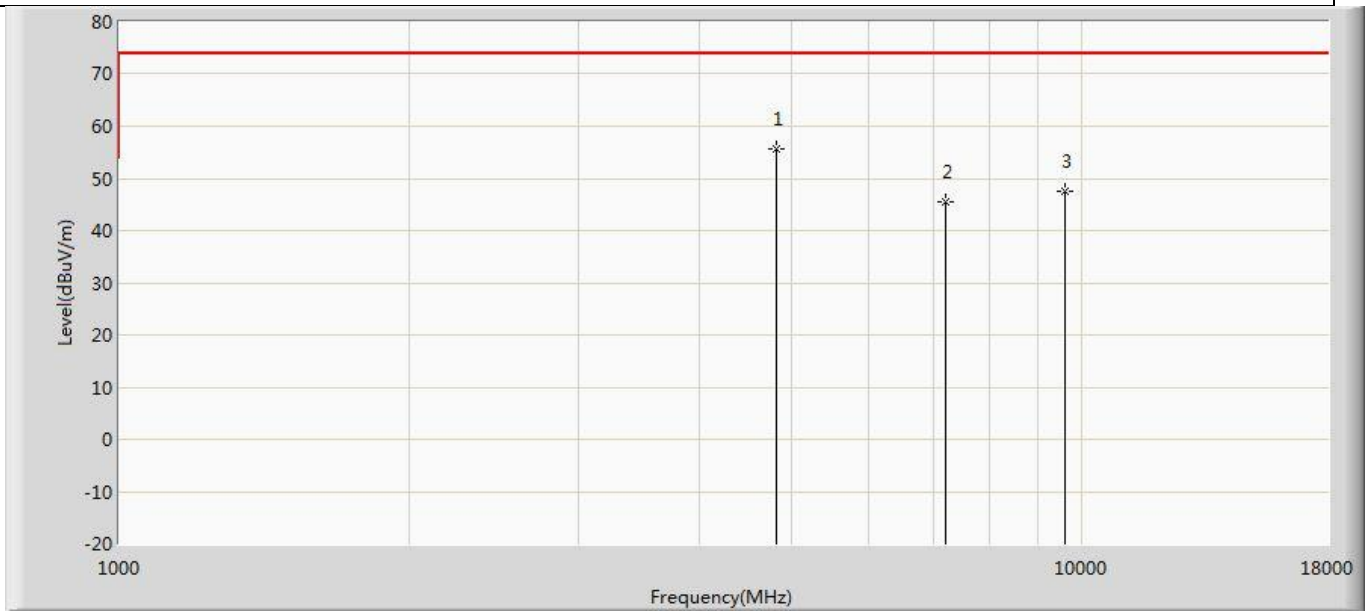
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	55.388	69.521	-18.612	74.000	-14.133	PK
2		7440.000	45.134	54.496	-28.866	74.000	-9.362	PK
3		9920.000	47.321	52.233	-26.679	74.000	-4.912	PK

Profile: 2350173R	Page No.: 30
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2480MHz by 2DH5	



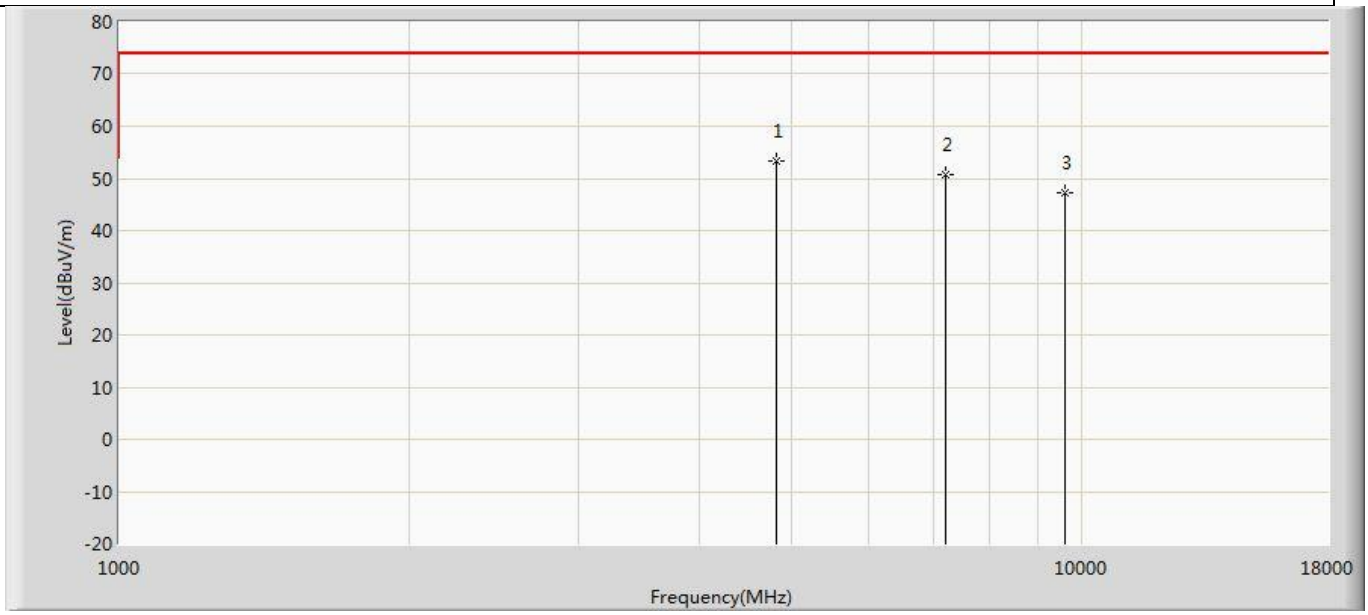
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	51.592	65.725	-22.408	74.000	-14.133	PK
2		7443.000	47.438	56.859	-26.562	74.000	-9.421	PK
3		9920.000	47.600	52.512	-26.400	74.000	-4.912	PK

Profile: 2350173R	Page No.: 31
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2402MHz by 3DH5	



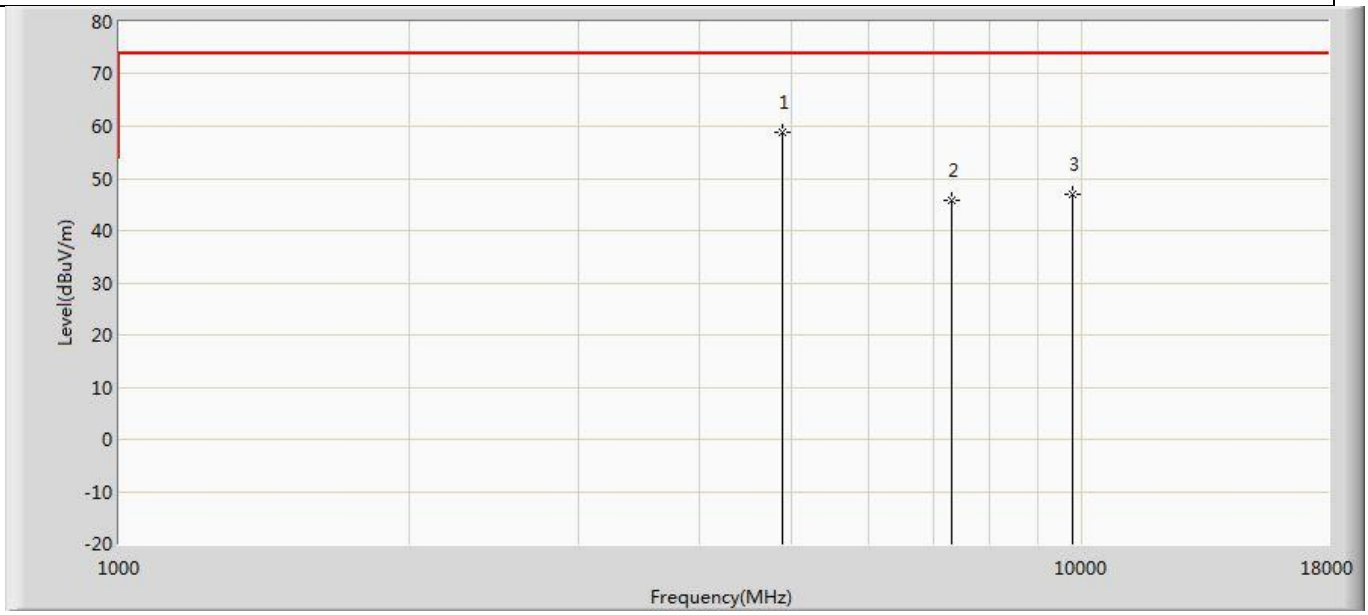
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	55.539	70.186	-18.461	74.000	-14.647	PK
2		7205.000	45.576	55.286	-28.424	74.000	-9.710	PK
3		9608.000	47.670	53.305	-26.330	74.000	-5.635	PK

Profile: 2350173R	Page No.: 32
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2402MHz by 3DH5	



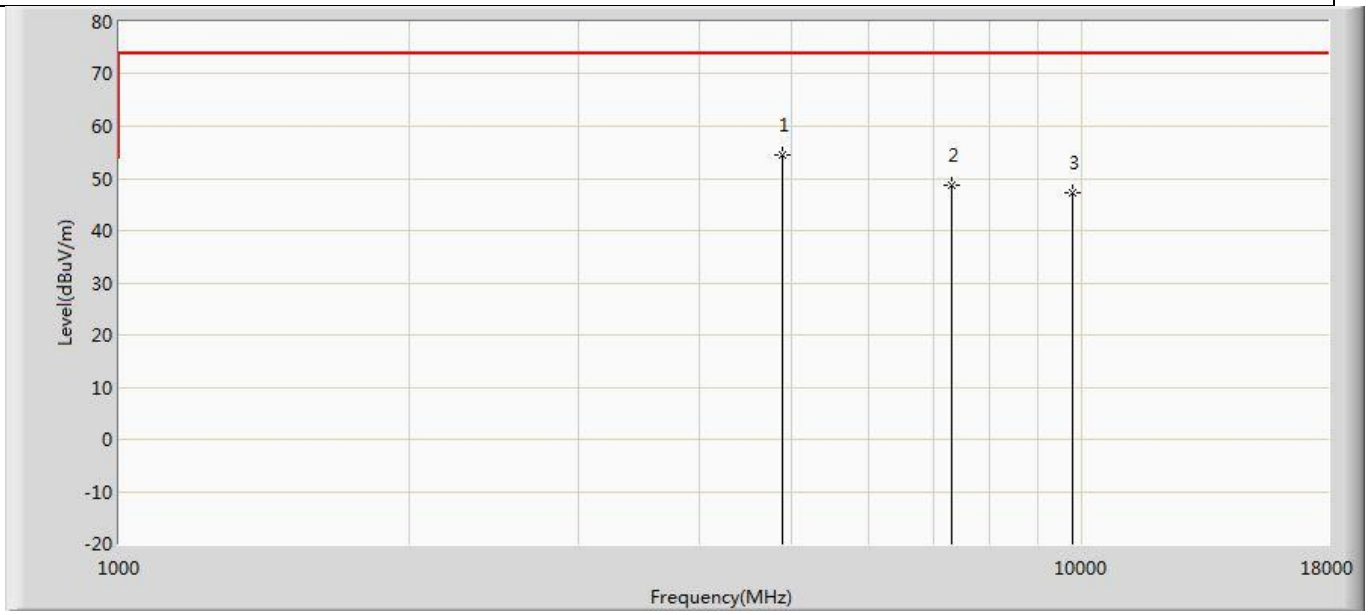
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	53.364	68.011	-20.636	74.000	-14.647	PK
2		7205.000	50.848	60.558	-23.152	74.000	-9.710	PK
3		9608.000	47.378	53.013	-26.622	74.000	-5.635	PK

Profile: 2350173R	Page No.: 33
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2441MHz by 3DH5	



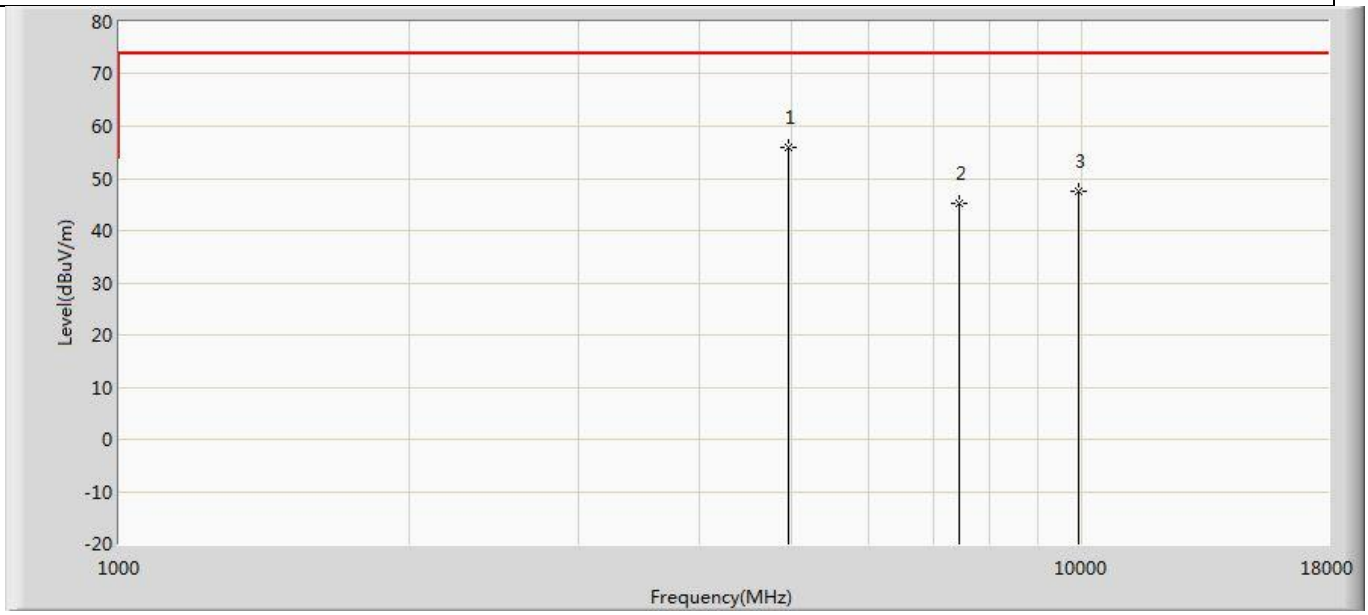
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	58.712	73.008	-15.288	74.000	-14.297	PK
2		7324.000	45.901	55.627	-28.099	74.000	-9.726	PK
3		9764.000	46.980	52.600	-27.020	74.000	-5.620	PK

Profile: 2350173R	Page No.: 34
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2441MHz by 3DH5	



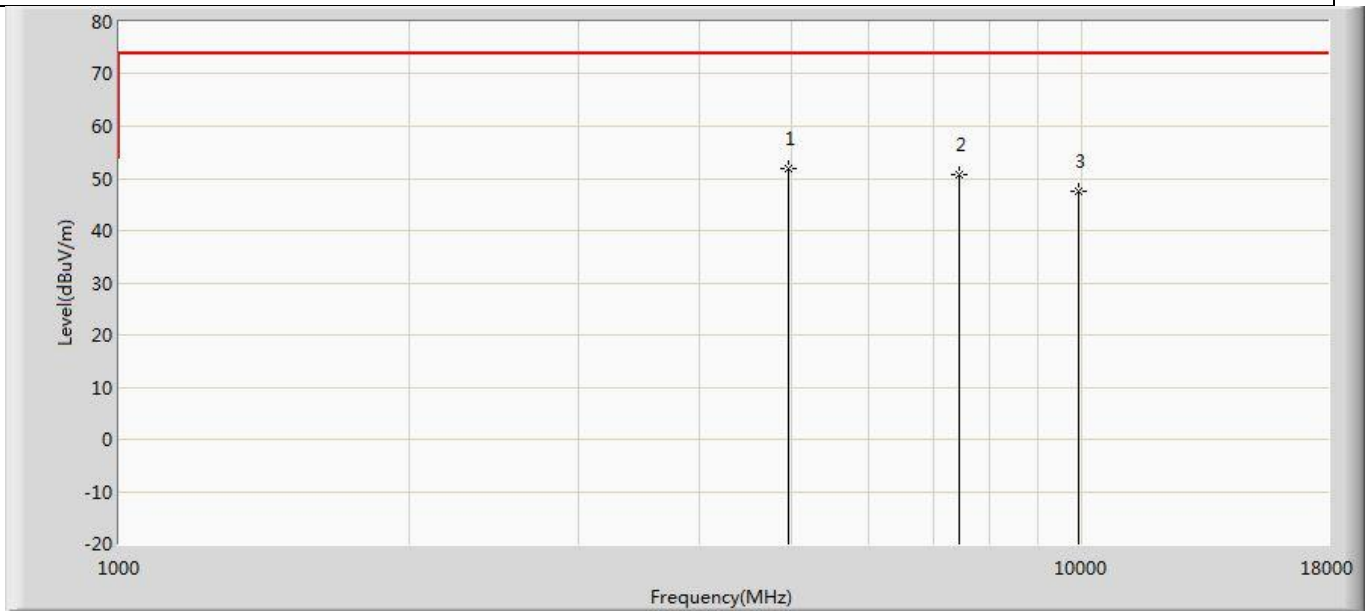
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	54.604	68.900	-19.396	74.000	-14.297	PK
2		7324.000	48.586	58.312	-25.414	74.000	-9.726	PK
3		9764.000	47.216	52.836	-26.784	74.000	-5.620	PK

Profile: 2350173R	Page No.: 35
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Charge 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	55.874	70.007	-18.126	74.000	-14.133	PK
2		7443.000	45.083	54.504	-28.917	74.000	-9.421	PK
3		9920.000	47.434	52.346	-26.566	74.000	-4.912	PK

Profile: 2350173R	Page No.: 36
Engineer: Yuliu	
Site: AC5	Time: 2023/05/30 - 22:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2480MHz by 3DH5	

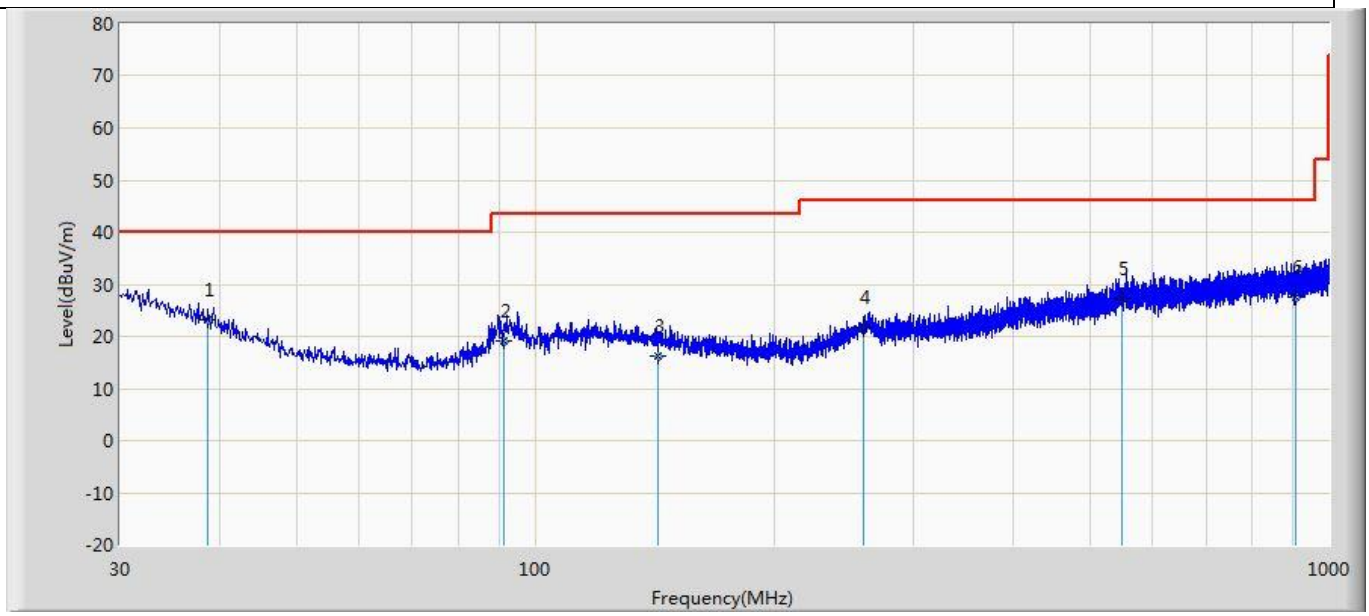


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4961.000	51.845	65.978	-22.155	74.000	-14.133	PK
2		7443.000	50.618	60.039	-23.382	74.000	-9.421	PK
3		9920.000	47.442	52.354	-26.558	74.000	-4.912	PK

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 margn could cover the highest spurious above.

The worst case of Radiated Emission below 1GHz :

Profile: 2350173R	Page No.: 203
Engineer: Yuliu	
Site: AC3	Time: 2023/05/29 - 22:23
Limit: FCC_Part 15.209	Margin: 0
Probe: AC3_3M(30-1000M)-0050-2933	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by DH5	

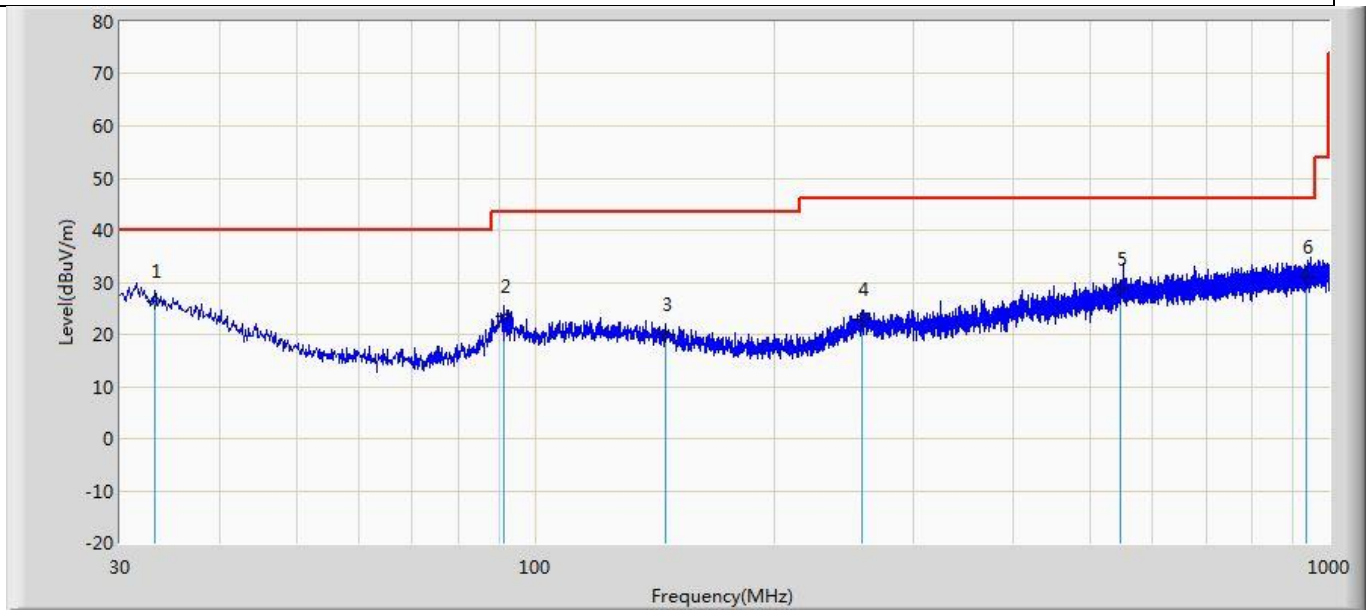


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	38.730	23.080	1.720	-16.920	40.000	21.360	QP
2		91.231	19.229	2.833	-24.271	43.500	16.396	QP
3		143.005	16.292	-1.551	-27.208	43.500	17.843	QP
4		259.284	21.839	0.795	-24.161	46.000	21.044	QP
5		548.950	27.202	0.037	-18.798	46.000	27.165	QP
6		908.456	27.653	-1.748	-18.347	46.000	29.400	QP

Note:

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

Profile: 2350173R	Page No.: 204
Engineer: Yuliu	
Site: AC3	Time: 2023/05/29 - 22:25
Limit: FCC_Part 15.209	Margin: 0
Probe: AC3_3M(30-1000M)-0050-2933	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by DH5	

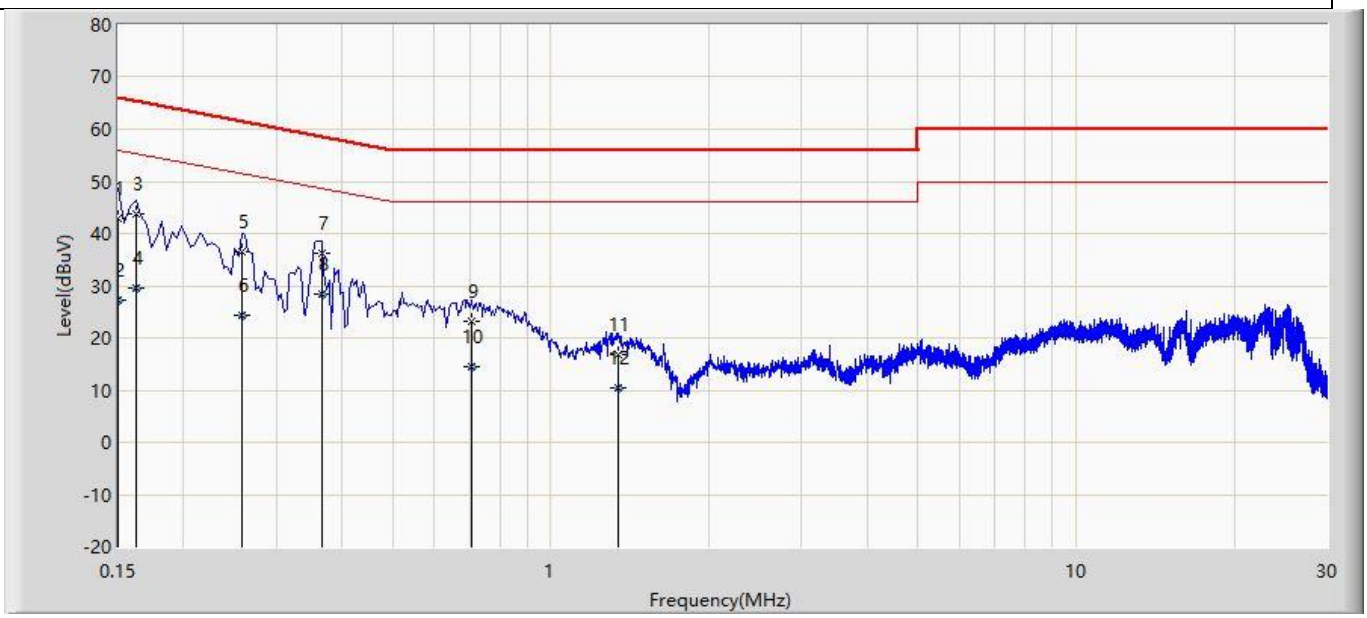


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	33.153	26.261	1.857	-13.739	40.000	24.405	QP
2		91.474	23.449	7.002	-20.051	43.500	16.447	QP
3		146.158	20.012	2.225	-23.488	43.500	17.787	QP
4		258.556	22.772	1.782	-23.228	46.000	20.990	QP
5		545.555	28.559	1.434	-17.441	46.000	27.125	QP
6		936.708	30.979	1.051	-15.021	46.000	29.929	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: 2350173R	Page No.: 11
Engineer: Yuliu	
Site: TR1	Time: 2023/05/28 - 15:32
Limit: FCC-15.207	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by DH5	



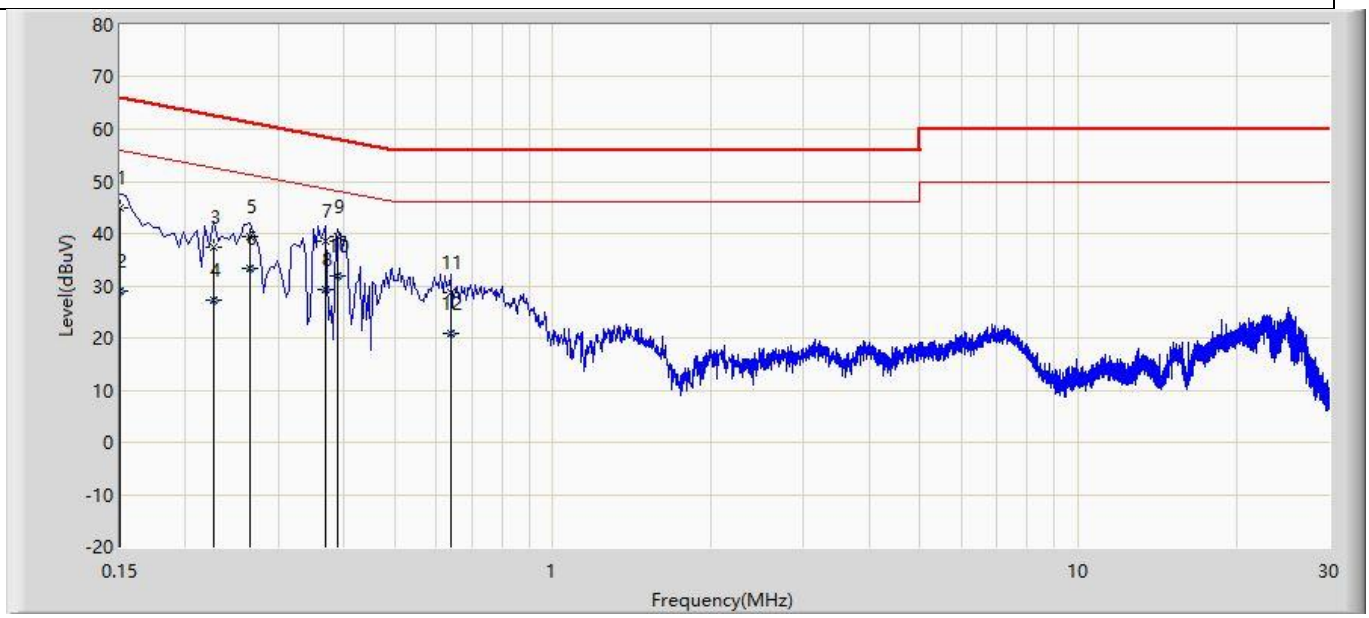
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.150	42.988	33.421	-23.012	66.000	9.539	0.028	0.000	QP
2		0.150	27.311	17.744	-28.689	56.000	9.539	0.028	0.000	AV
3		0.162	43.848	34.277	-21.513	65.361	9.543	0.029	0.000	QP
4		0.162	29.450	19.879	-25.910	55.361	9.543	0.029	0.000	AV
5		0.258	36.486	26.898	-25.009	61.496	9.556	0.032	0.000	QP
6		0.258	24.433	14.846	-27.062	51.496	9.556	0.032	0.000	AV
7		0.366	36.230	26.635	-22.361	58.591	9.567	0.028	0.000	QP
8	*	0.366	28.410	18.815	-20.181	48.591	9.567	0.028	0.000	AV
9		0.706	23.260	13.634	-32.740	56.000	9.580	0.045	0.000	QP
10		0.706	14.595	4.969	-31.405	46.000	9.580	0.045	0.000	AV
11		1.346	16.790	7.130	-39.210	56.000	9.590	0.070	0.000	QP
12		1.346	10.561	0.902	-35.439	46.000	9.590	0.070	0.000	AV

Note:

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

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

Profile: 2350173R	Page No.: 12
Engineer: Yuliu	
Site: TR1	Time: 2023/05/28 - 15:35
Limit: FCC-15.207	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: Charge 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)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.150	45.072	35.495	-20.928	66.000	9.549	0.028	0.000	QP
2		0.150	29.096	19.519	-26.904	56.000	9.549	0.028	0.000	AV
3		0.226	37.452	27.862	-25.143	62.595	9.561	0.029	0.000	QP
4		0.226	27.160	17.570	-25.435	52.595	9.561	0.029	0.000	AV
5		0.266	39.365	29.768	-21.877	61.242	9.564	0.032	0.000	QP
6		0.266	33.274	23.677	-17.968	51.242	9.564	0.032	0.000	AV
7		0.370	38.540	28.938	-19.961	58.501	9.571	0.030	0.000	QP
8		0.370	29.234	19.632	-19.267	48.501	9.571	0.030	0.000	AV
9		0.390	39.464	29.851	-18.600	58.064	9.572	0.040	0.000	QP
10	*	0.390	32.025	22.412	-16.039	48.064	9.572	0.040	0.000	AV
11		0.638	28.781	19.151	-27.219	56.000	9.587	0.042	0.000	QP
12		0.638	20.862	11.232	-25.138	46.000	9.587	0.042	0.000	AV

Note:

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

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

The End