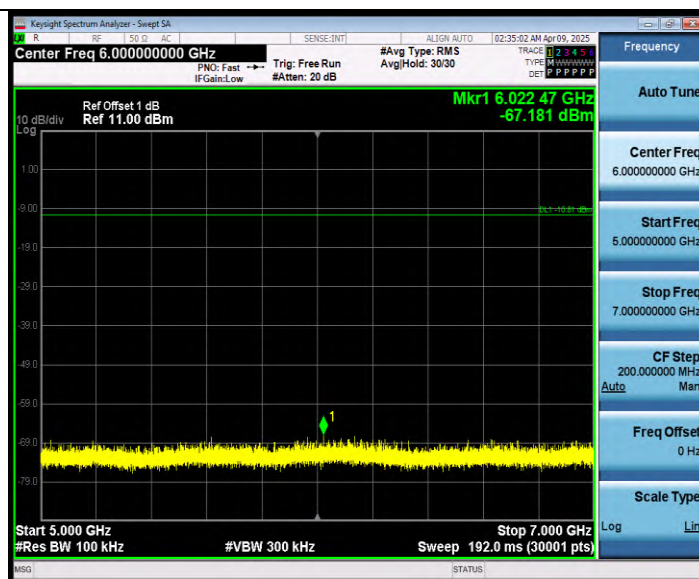
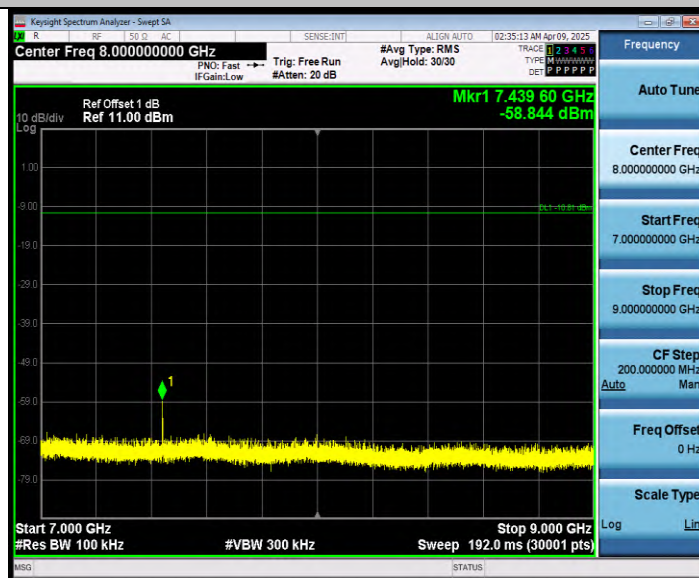
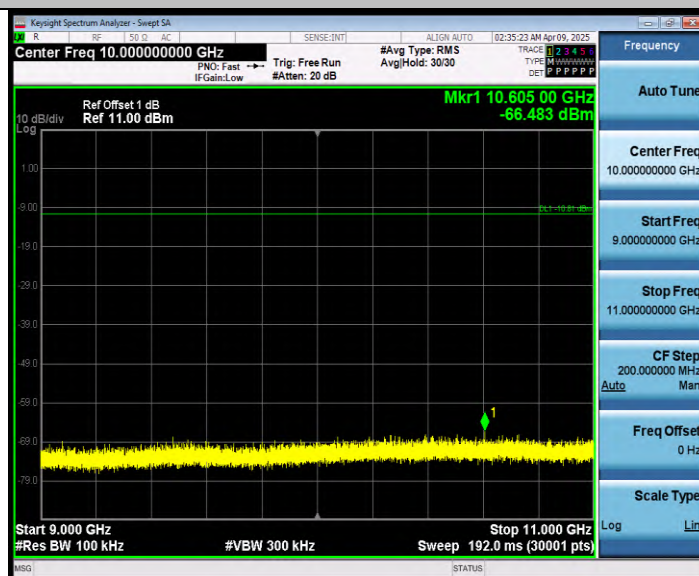




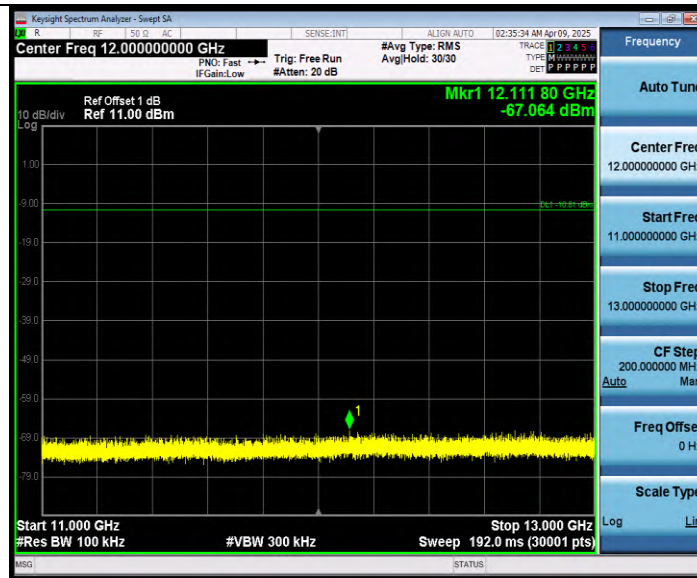
3DH5_Ant1_2480_7000~9000



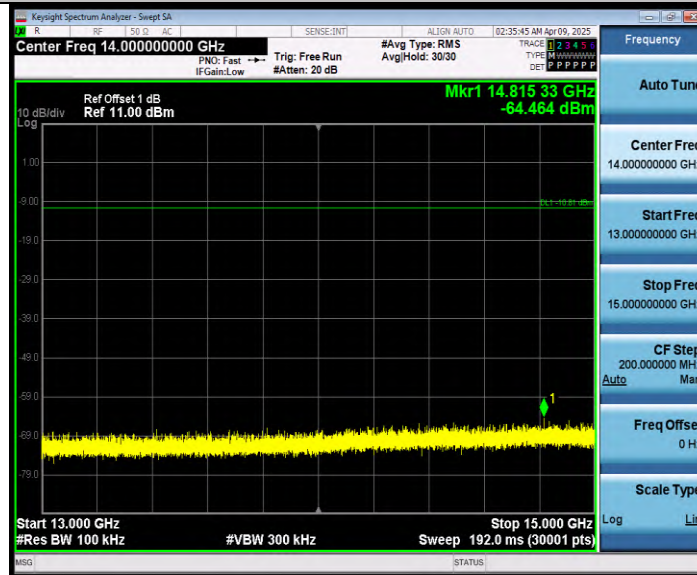
3DH5_Ant1_2480_9000~11000



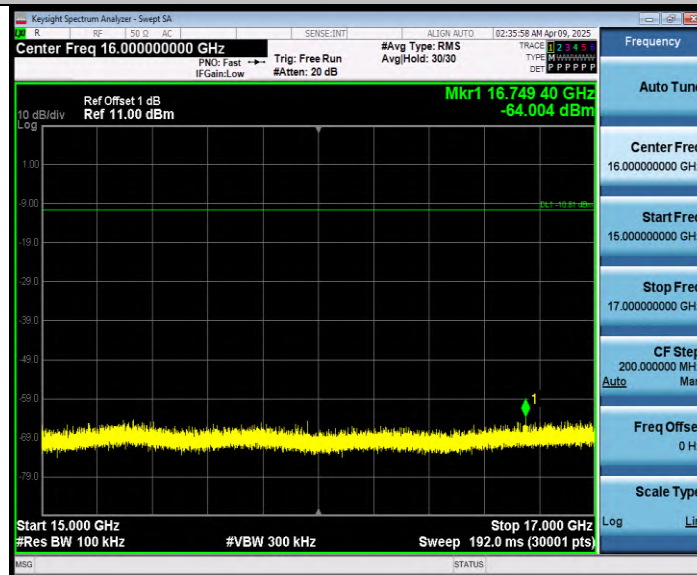
3DH5_Ant1_2480_11000~13000



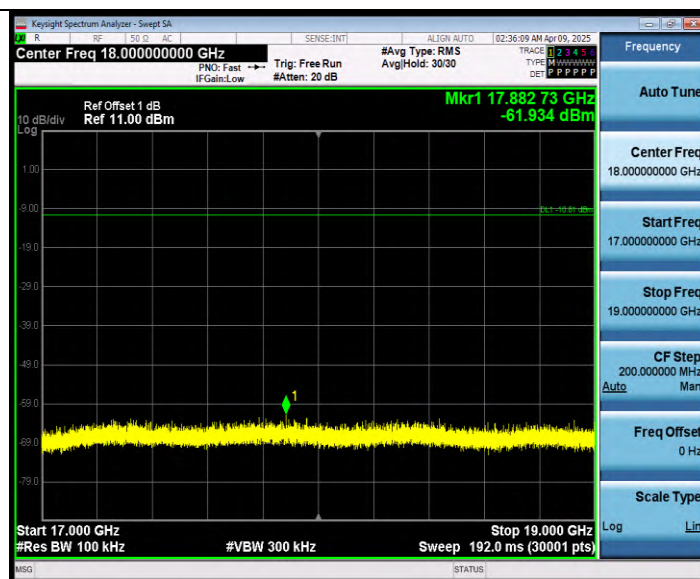
3DH5_Ant1_2480_13000~15000



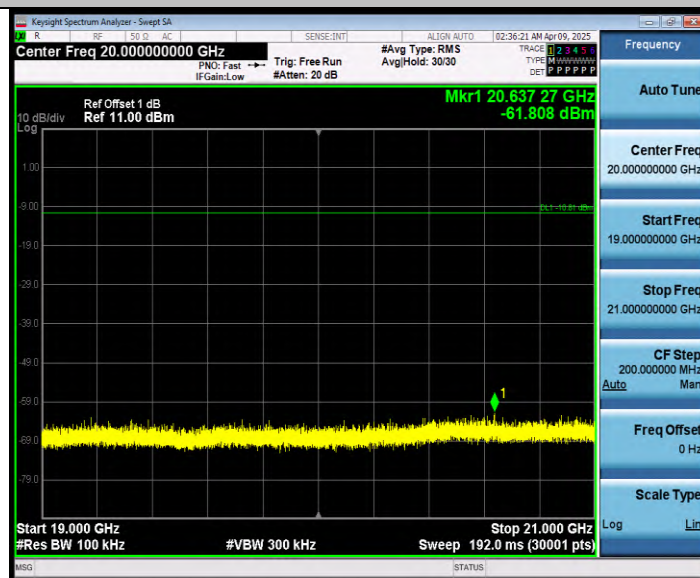
3DH5_Ant1_2480_15000~17000



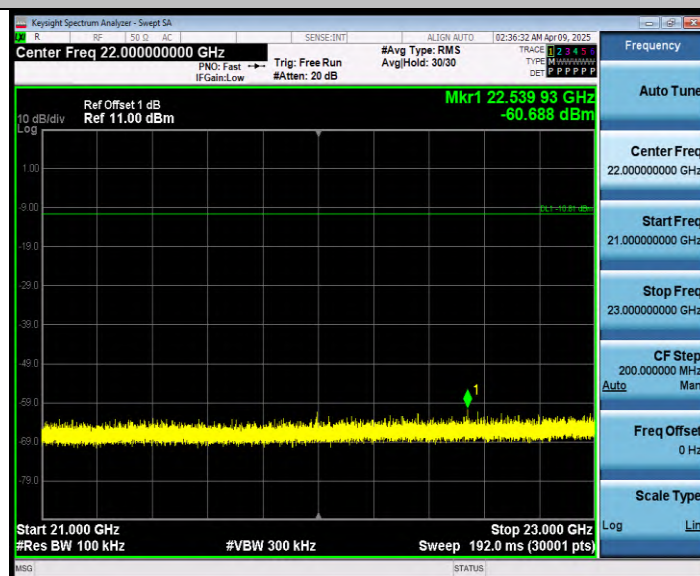
3DH5_Ant1_2480_17000~19000



3DH5_Ant1_2480_19000~21000



3DH5_Ant1_2480_21000~23000



3DH5_Ant1_2480_23000~25000

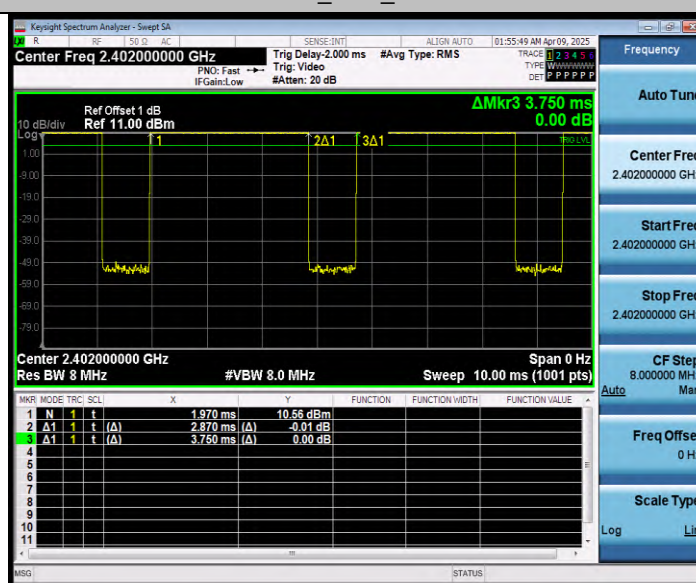


Appendix I: Duty Cycle

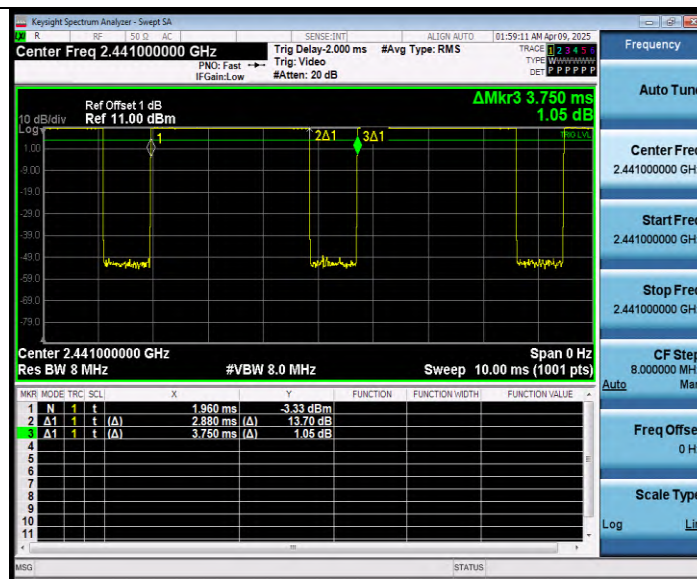
TestMode	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	2402	2.87	3.75	76.53	1.16
	2441	2.88	3.75	76.80	1.15
	2480	2.88	3.75	76.80	1.15
2DH5	2402	2.88	3.75	76.80	1.15
	2441	2.88	3.75	76.80	1.15
	2480	2.88	3.75	76.80	1.15
3DH5	2402	2.89	3.75	77.07	1.13
	2441	2.88	3.75	76.80	1.15
	2480	2.88	3.75	76.80	1.15

Test Graphs

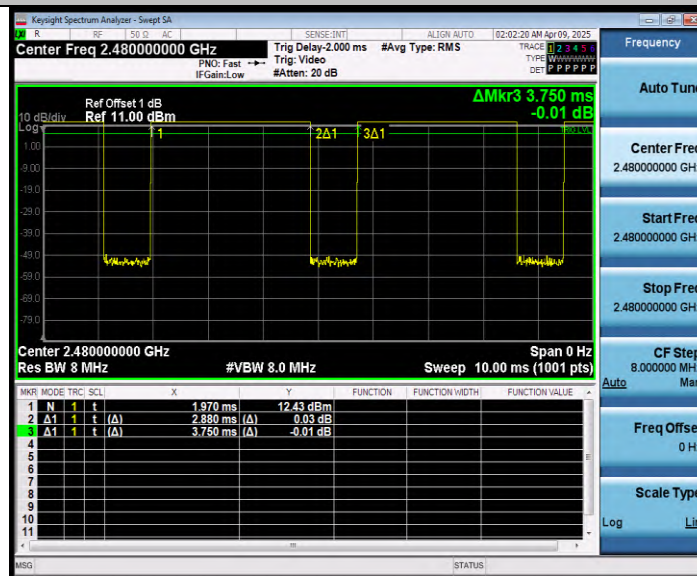
DH5_Ant1_2402



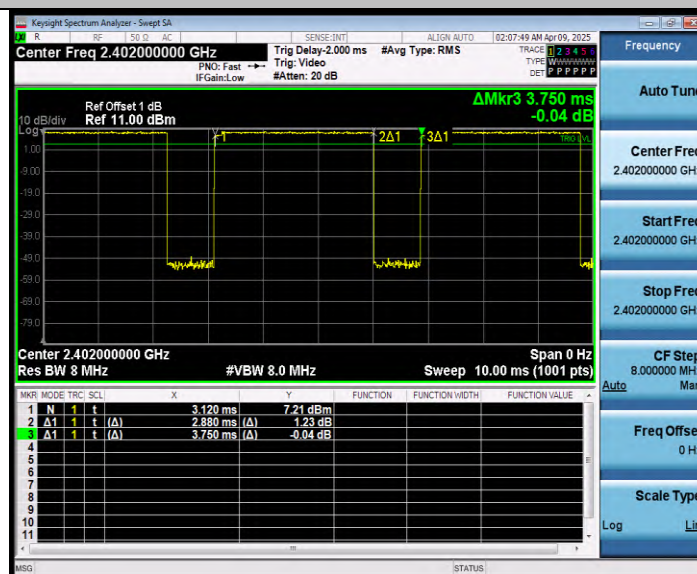
DH5_Ant1_2441



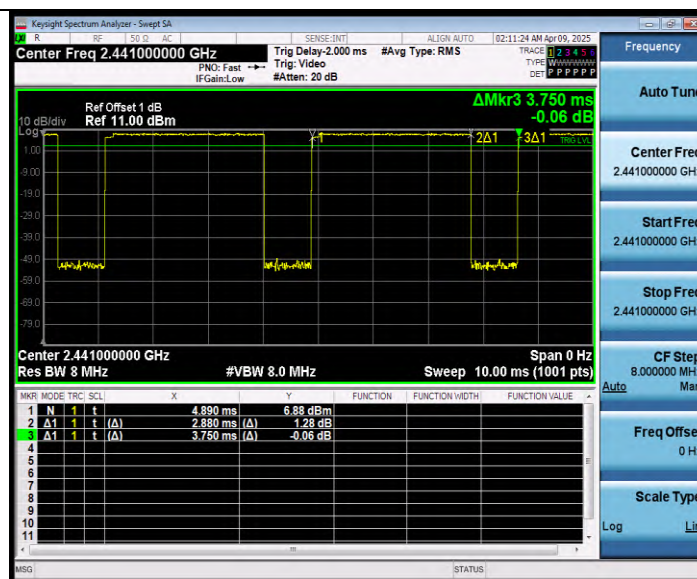
DH5_Ant1_2480



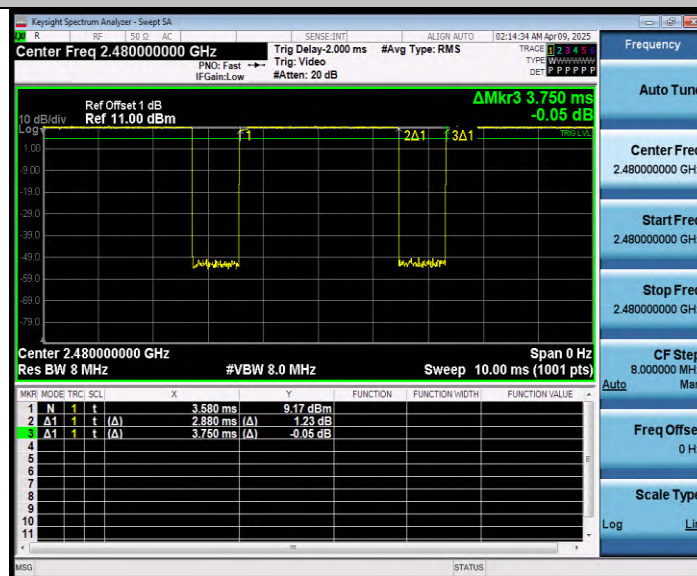
2DH5_Ant1_2402



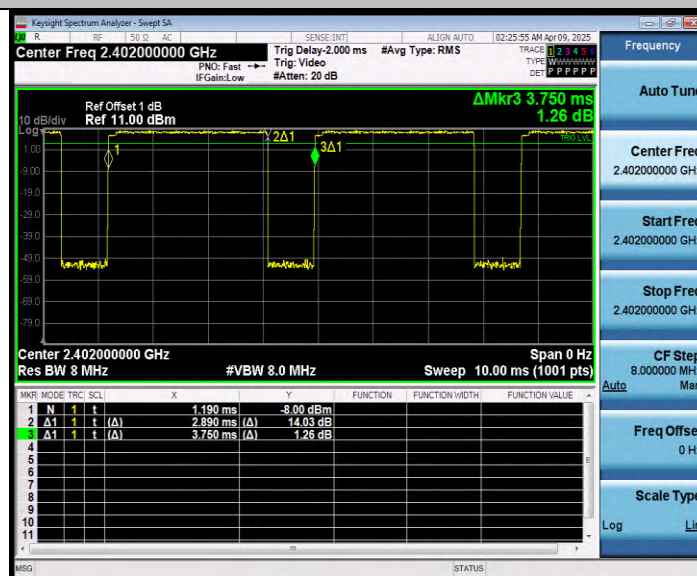
2DH5_Ant1_2441



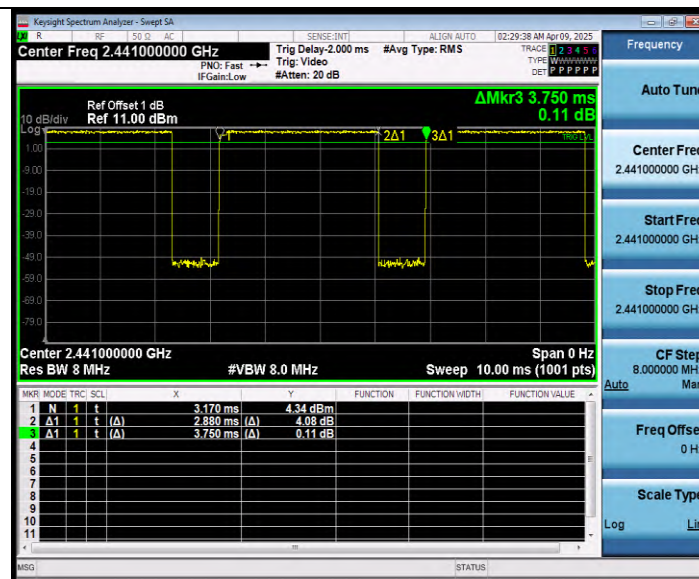
2DH5_Ant1_2480



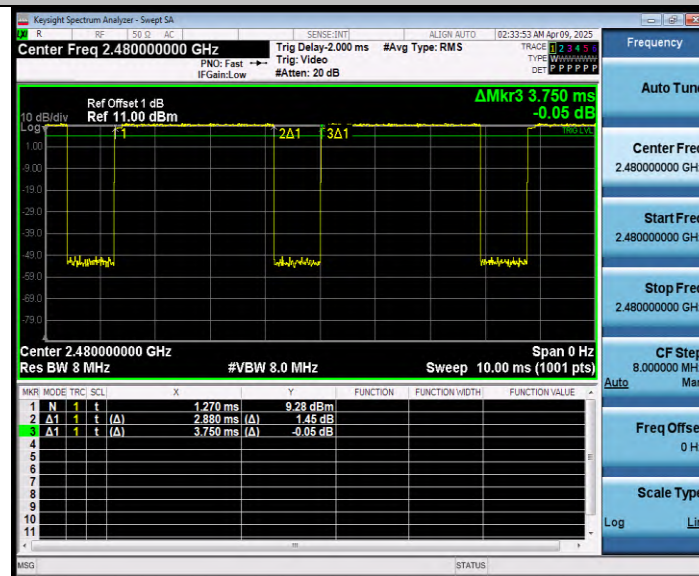
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



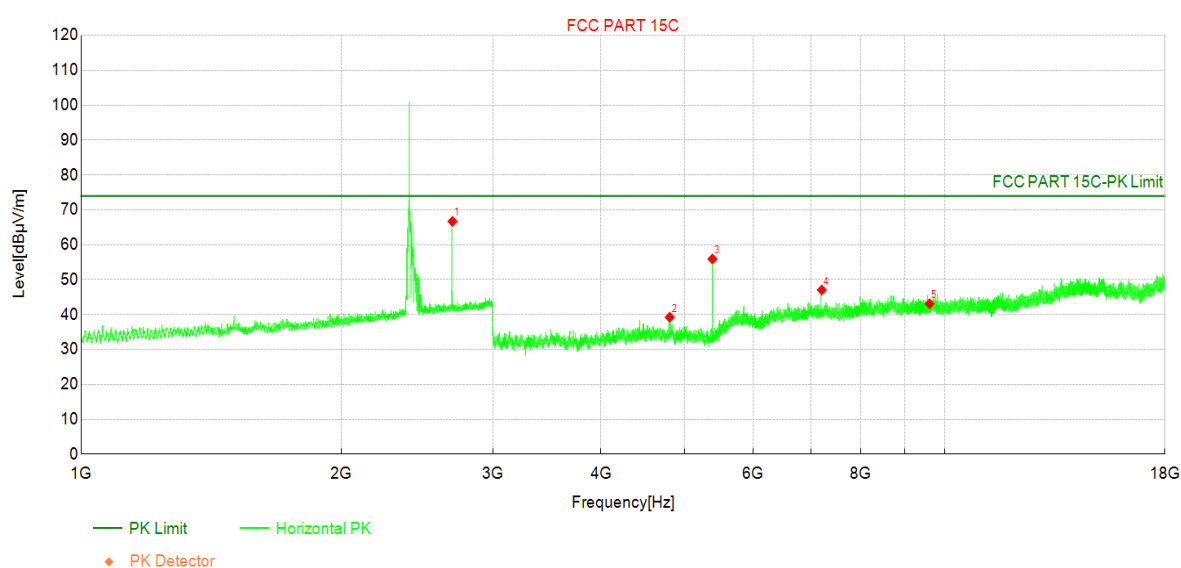
Appendix J: Emissions in Restricted Bands

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2402MHz by DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

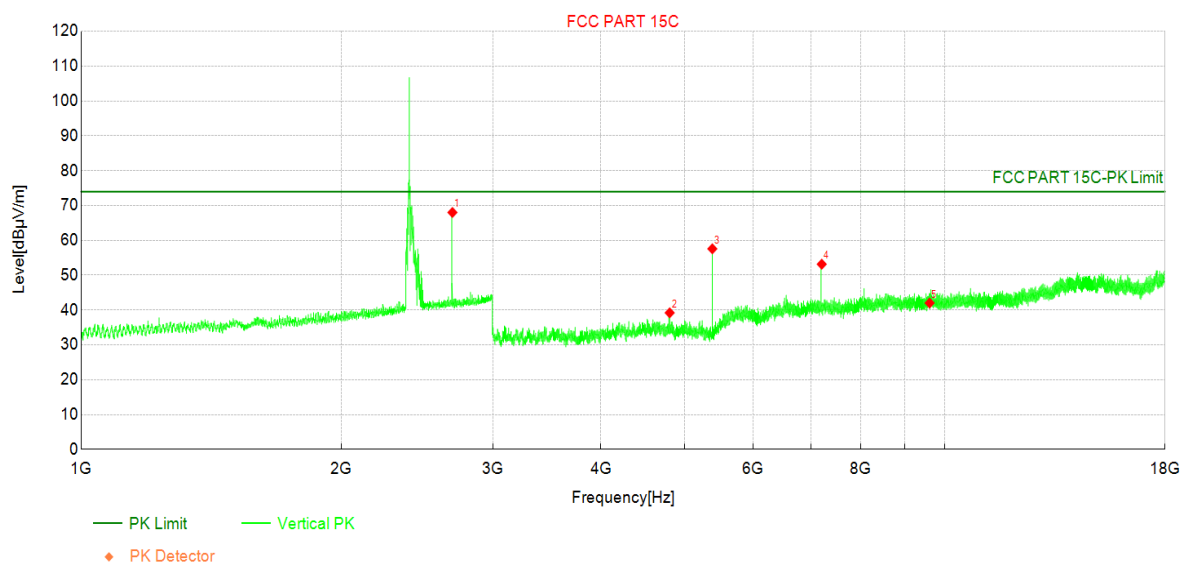
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.76	66.69	4.93	74.00	7.31	PK	Horizo	PASS
	2691.50	-	41.90	-	54.00	12.10	AV	Horizo	PASS
2	4804.00	45.25	39.22	-6.03	74.00	34.78	PK	Horizo	PASS
	4804.00	-	14.43	-	54.00	39.57	AV	Horizo	PASS
3	5383.00	59.60	55.92	-3.68	74.00	18.08	PK	Horizo	PASS
	5383.00	-	31.13	-	54.00	22.87	AV	Horizo	PASS
4	7206.00	44.06	47.03	2.97	74.00	26.97	PK	Horizo	PASS
	7206.00	-	22.24	-	54.00	31.76	AV	Horizo	PASS
5	9608.00	37.16	43.10	5.94	74.00	30.90	PK	Horizo	PASS
	9608.00	-	18.31	-	54.00	35.69	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2402MHz by DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

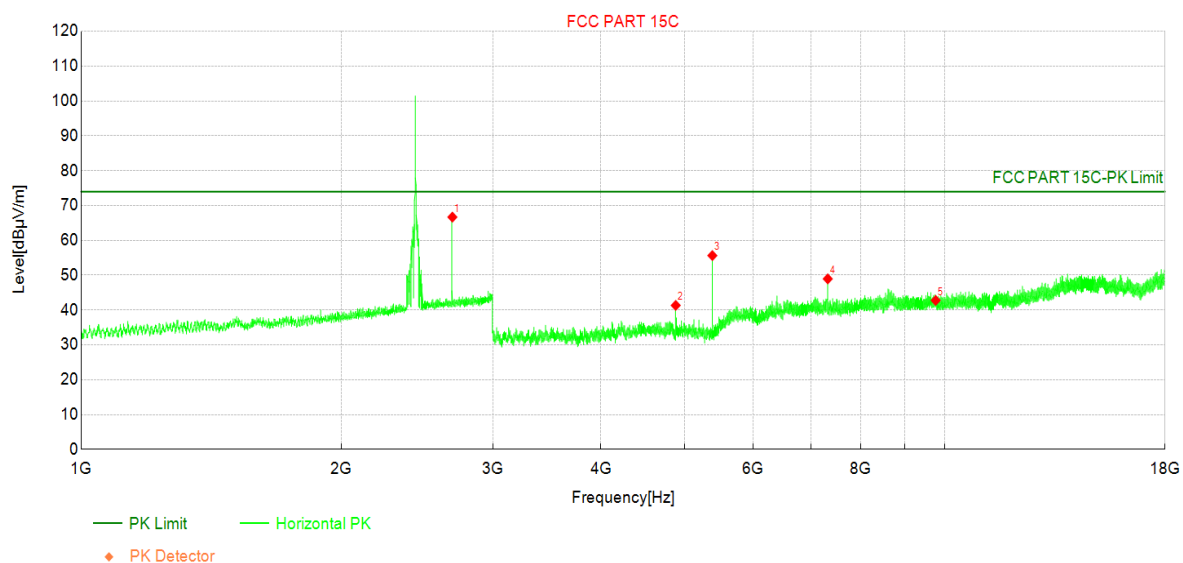
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.07	68.00	4.93	74.00	6.00	PK	Vertic	PASS
	2691.50	-	43.21	-	54.00	10.79	AV	Vertic	PASS
2	4804.00	45.22	39.19	-6.03	74.00	34.81	PK	Vertic	PASS
	4804.00	-	14.40	-	54.00	39.60	AV	Vertic	PASS
3	5383.00	61.25	57.57	-3.68	74.00	16.43	PK	Vertic	PASS
	5383.00	-	32.78	-	54.00	21.22	AV	Vertic	PASS
4	7206.00	50.18	53.15	2.97	74.00	20.85	PK	Vertic	PASS
	7206.00	-	28.36	-	54.00	25.64	AV	Vertic	PASS
5	9608.00	36.07	42.01	5.94	74.00	31.99	PK	Vertic	PASS
	9608.00	-	17.22	-	54.00	36.78	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2441MHz by DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

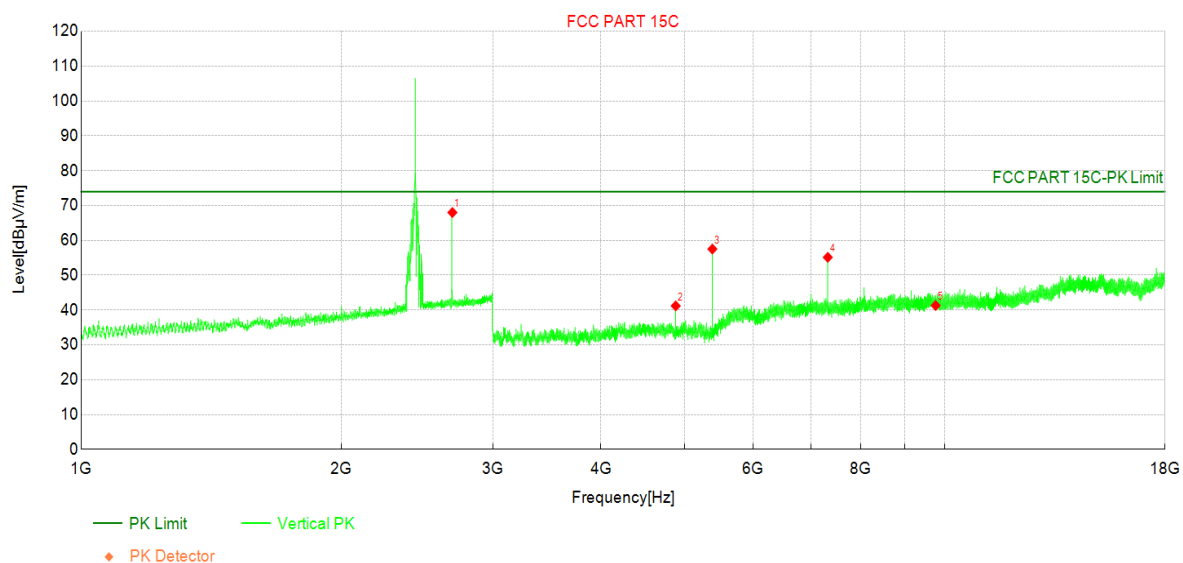
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.74	66.67	4.93	74.00	7.33	PK	Horizo	PASS
	2691.50	-	41.88	-	54.00	12.12	AV	Horizo	PASS
2	4882.00	47.41	41.33	-6.08	74.00	32.67	PK	Horizo	PASS
	4882.00	-	16.54	-	54.00	37.46	AV	Horizo	PASS
3	5383.00	59.31	55.63	-3.68	74.00	18.37	PK	Horizo	PASS
	5383.00	-	30.84	-	54.00	23.16	AV	Horizo	PASS
4	7323.00	46.16	48.94	2.78	74.00	25.06	PK	Horizo	PASS
	7323.00	-	24.15	-	54.00	29.85	AV	Horizo	PASS
5	9764.00	36.63	42.75	6.12	74.00	31.25	PK	Horizo	PASS
	9764.00	-	17.96	-	54.00	36.04	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2441MHz by DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

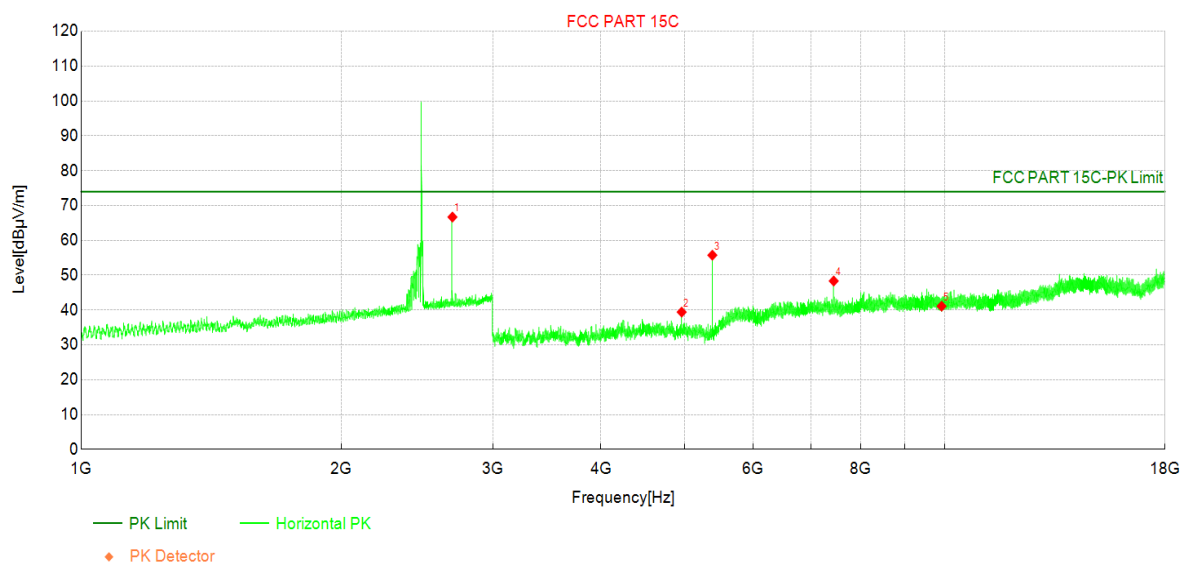
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.06	67.99	4.93	74.00	6.01	PK	Vertic	PASS
	2691.50	-	43.20	-	54.00	10.80	AV	Vertic	PASS
2	4882.00	47.26	41.18	-6.08	74.00	32.82	PK	Vertic	PASS
	4882.00	-	16.39	-	54.00	37.61	AV	Vertic	PASS
3	5383.00	61.18	57.50	-3.68	74.00	16.50	PK	Vertic	PASS
	5383.00	-	32.71	-	54.00	21.29	AV	Vertic	PASS
4	7323.00	52.35	55.13	2.78	74.00	18.87	PK	Vertic	PASS
	7323.00	-	30.34	-	54.00	23.66	AV	Vertic	PASS
5	9764.00	35.17	41.29	6.12	74.00	32.71	PK	Vertic	PASS
	9764.00	-	16.50	-	54.00	37.50	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2480MHz by DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

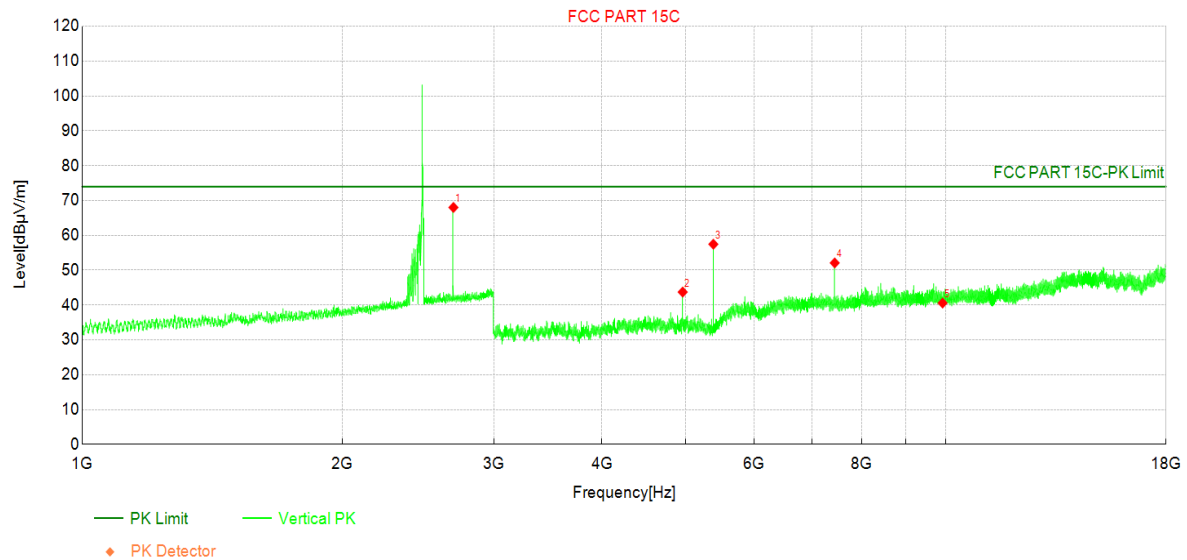
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.75	66.68	4.93	74.00	7.32	PK	Horizo	PASS
	2691.50	-	41.89	-	54.00	12.11	AV	Horizo	PASS
2	4960.00	44.68	39.41	-5.27	74.00	34.59	PK	Horizo	PASS
	4960.00	-	14.62	-	54.00	39.38	AV	Horizo	PASS
3	5383.00	59.42	55.74	-3.68	74.00	18.26	PK	Horizo	PASS
	5383.00	-	30.95	-	54.00	23.05	AV	Horizo	PASS
4	7440.00	45.77	48.33	2.56	74.00	25.67	PK	Horizo	PASS
	7440.00	-	23.54	-	54.00	30.46	AV	Horizo	PASS
5	9920.00	35.47	41.09	5.62	74.00	32.91	PK	Horizo	PASS
	9920.00	-	16.30	-	54.00	37.70	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2480MHz by DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

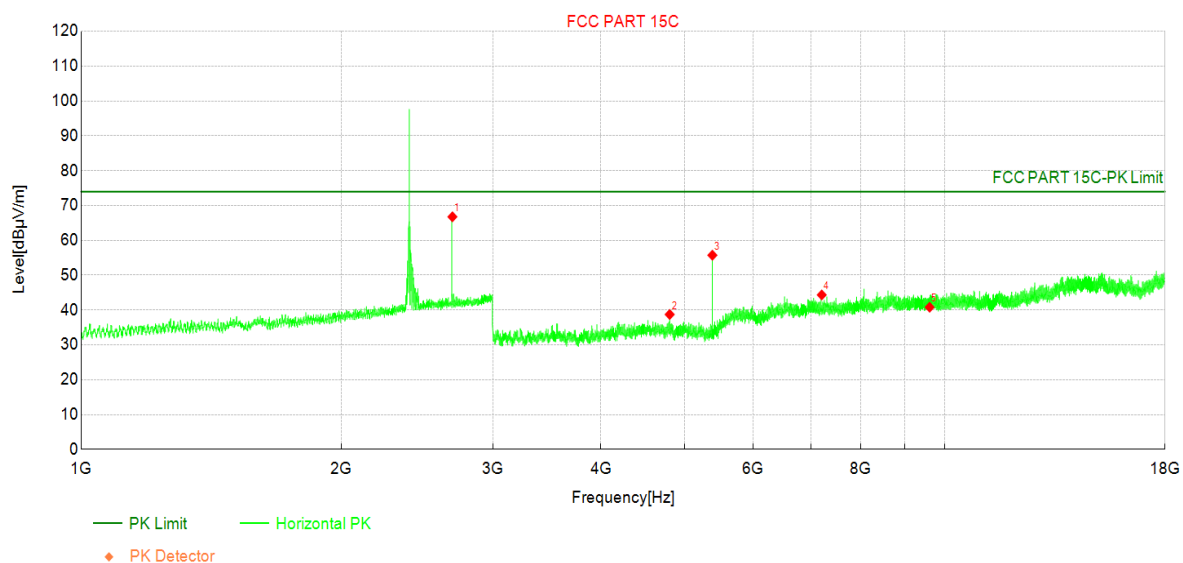
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.08	68.01	4.93	74.00	5.99	PK	Vertic	PASS
	2691.50	-	43.22	-	54.00	10.78	AV	Vertic	PASS
2	4960.00	48.99	43.72	-5.27	74.00	30.28	PK	Vertic	PASS
	4960.00	-	18.93	-	54.00	35.07	AV	Vertic	PASS
3	5383.00	61.13	57.45	-3.68	74.00	16.55	PK	Vertic	PASS
	5383.00	-	32.66	-	54.00	21.34	AV	Vertic	PASS
4	7440.00	49.53	52.09	2.56	74.00	21.91	PK	Vertic	PASS
	7440.00	-	27.30	-	54.00	26.70	AV	Vertic	PASS
5	9920.00	34.95	40.57	5.62	74.00	33.43	PK	Vertic	PASS
	9920.00	-	15.78	-	54.00	38.22	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2402MHz by 2DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

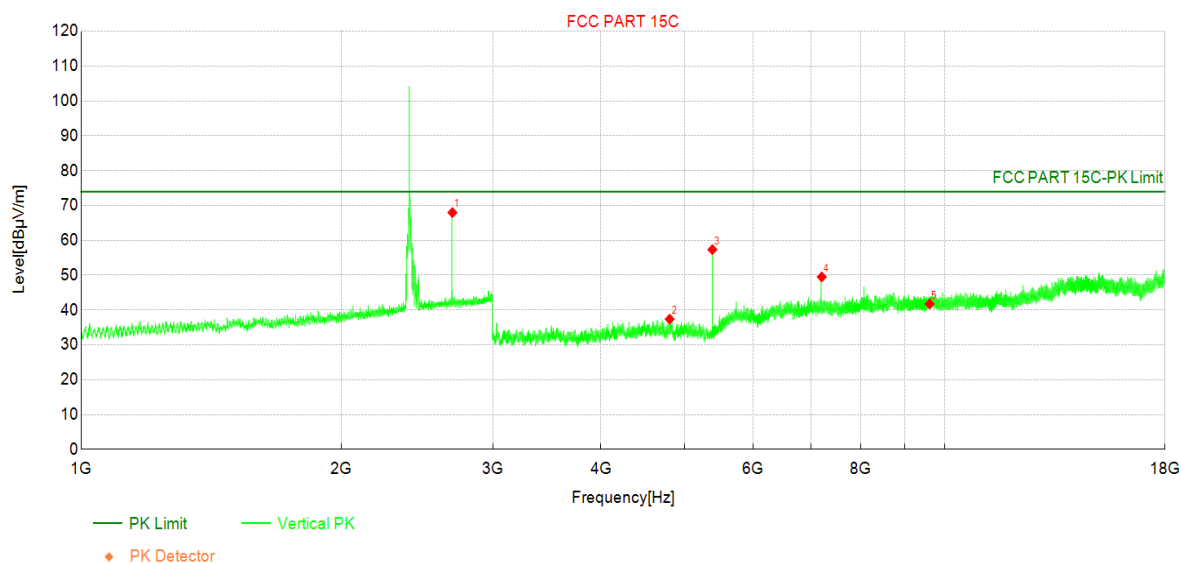
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.83	66.76	4.93	74.00	7.24	PK	Horizo	PASS
	2691.50	-	41.97	-	54.00	12.03	AV	Horizo	PASS
2	4804.00	44.76	38.73	-6.03	74.00	35.27	PK	Horizo	PASS
	4804.00	-	13.94	-	54.00	40.06	AV	Horizo	PASS
3	5383.00	59.41	55.73	-3.68	74.00	18.27	PK	Horizo	PASS
	5383.00	-	30.94	-	54.00	23.06	AV	Horizo	PASS
4	7206.00	41.36	44.33	2.97	74.00	29.67	PK	Horizo	PASS
	7206.00	-	19.54	-	54.00	34.46	AV	Horizo	PASS
5	9608.00	34.86	40.80	5.94	74.00	33.20	PK	Horizo	PASS
	9608.00	-	16.01	-	54.00	37.99	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2402MHz by 2DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

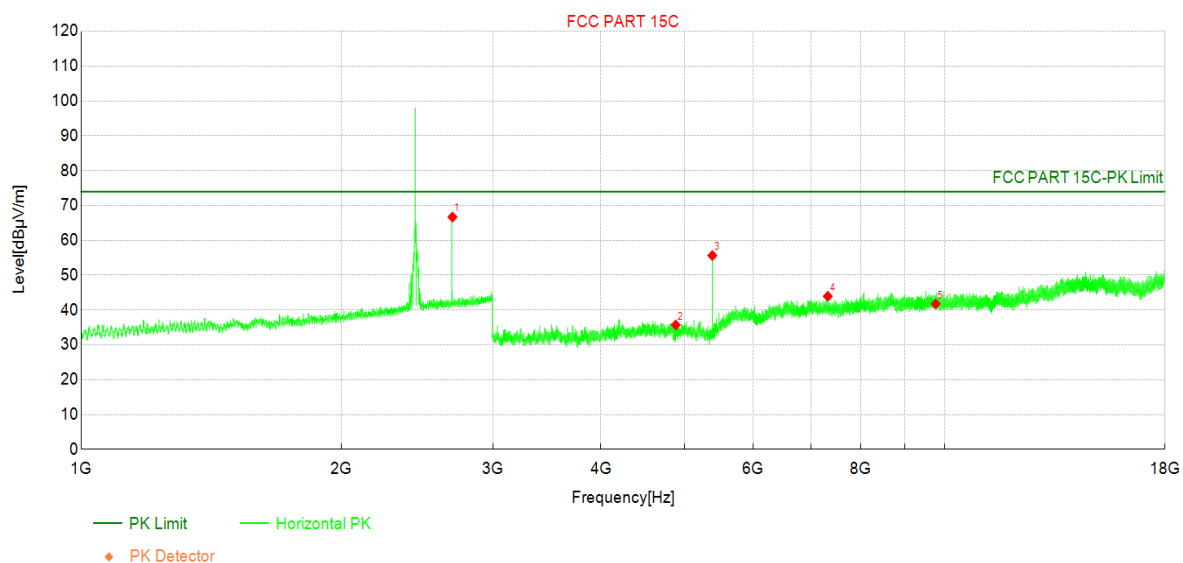
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.03	67.96	4.93	74.00	6.04	PK	Vertic	PASS
	2691.50	-	43.17	-	54.00	10.83	AV	Vertic	PASS
2	4804.00	43.42	37.39	-6.03	74.00	36.61	PK	Vertic	PASS
	4804.00	-	12.60	-	54.00	41.40	AV	Vertic	PASS
3	5383.00	61.02	57.34	-3.68	74.00	16.66	PK	Vertic	PASS
	5383.00	-	32.55	-	54.00	21.45	AV	Vertic	PASS
4	7206.00	46.54	49.51	2.97	74.00	24.49	PK	Vertic	PASS
	7206.00	-	24.72	-	54.00	29.28	AV	Vertic	PASS
5	9608.00	35.82	41.76	5.94	74.00	32.24	PK	Vertic	PASS
	9608.00	-	16.97	-	54.00	37.03	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2441MHz by 2DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

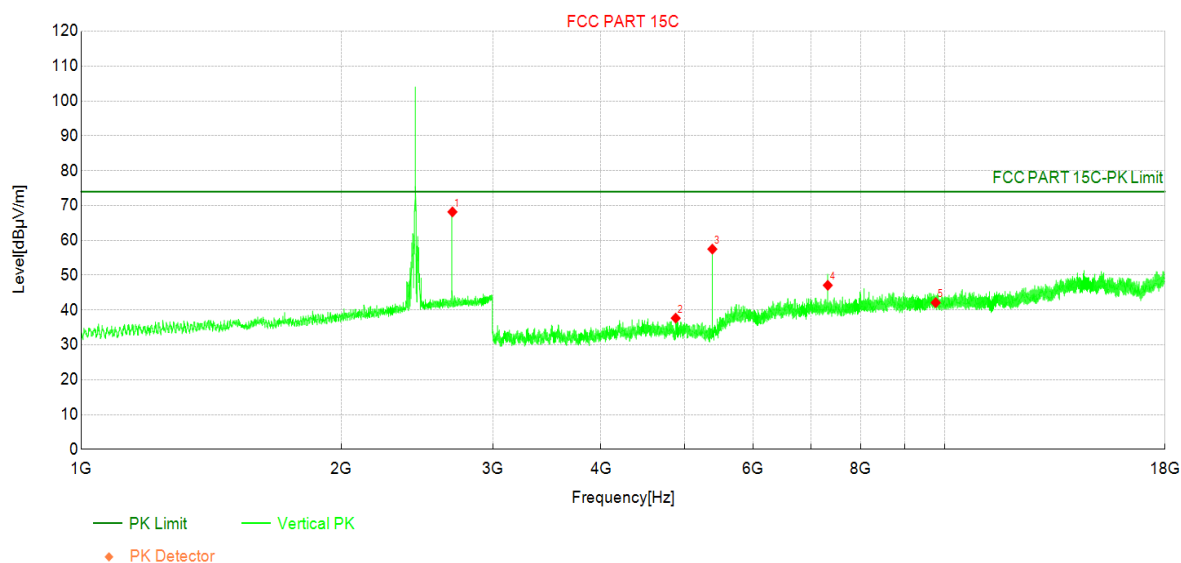
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.76	66.69	4.93	74.00	7.31	PK	Horizo	PASS
	2691.50	-	41.90	-	54.00	12.10	AV	Horizo	PASS
2	4882.00	41.79	35.71	-6.08	74.00	38.29	PK	Horizo	PASS
	4882.00	-	10.92	-	54.00	43.08	AV	Horizo	PASS
3	5383.00	59.33	55.65	-3.68	74.00	18.35	PK	Horizo	PASS
	5383.00	-	30.86	-	54.00	23.14	AV	Horizo	PASS
4	7323.00	41.17	43.95	2.78	74.00	30.05	PK	Horizo	PASS
	7323.00	-	19.16	-	54.00	34.84	AV	Horizo	PASS
5	9764.00	35.63	41.75	6.12	74.00	32.25	PK	Horizo	PASS
	9764.00	-	16.96	-	54.00	37.04	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2441MHz by 2DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

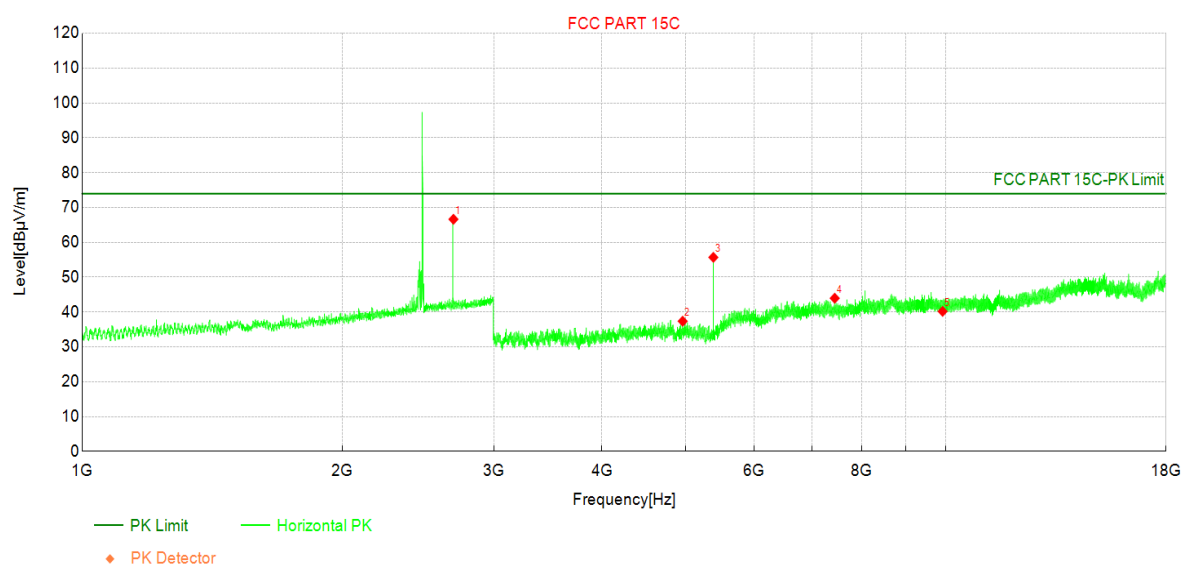
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.23	68.16	4.93	74.00	5.84	PK	Vertic	PASS
	2691.50	-	43.37	-	54.00	10.63	AV	Vertic	PASS
2	4882.00	43.74	37.66	-6.08	74.00	36.34	PK	Vertic	PASS
	4882.00	-	12.87	-	54.00	41.13	AV	Vertic	PASS
3	5383.00	61.16	57.48	-3.68	74.00	16.52	PK	Vertic	PASS
	5383.00	-	32.69	-	54.00	21.31	AV	Vertic	PASS
4	7323.00	44.31	47.09	2.78	74.00	26.91	PK	Vertic	PASS
	7323.00	-	22.30	-	54.00	31.70	AV	Vertic	PASS
5	9764.00	36.00	42.12	6.12	74.00	31.88	PK	Vertic	PASS
	9764.00	-	17.33	-	54.00	36.67	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2480MHz by 2DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

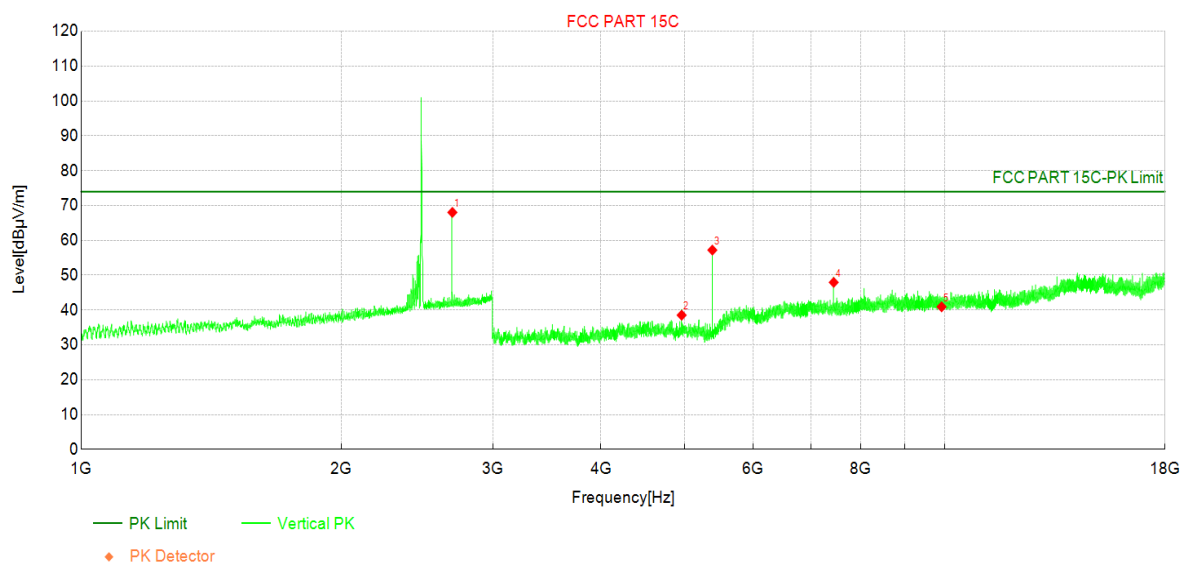
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.69	66.62	4.93	74.00	7.38	PK	Horizo	PASS
	2691.50	-	41.83	-	54.00	12.17	AV	Horizo	PASS
2	4960.00	42.63	37.36	-5.27	74.00	36.64	PK	Horizo	PASS
	4960.00	-	12.57	-	54.00	41.43	AV	Horizo	PASS
3	5383.00	59.37	55.69	-3.68	74.00	18.31	PK	Horizo	PASS
	5383.00	-	30.90	-	54.00	23.10	AV	Horizo	PASS
4	7440.00	41.39	43.95	2.56	74.00	30.05	PK	Horizo	PASS
	7440.00	-	19.16	-	54.00	34.84	AV	Horizo	PASS
5	9920.00	34.56	40.18	5.62	74.00	33.82	PK	Horizo	PASS
	9920.00	-	15.39	-	54.00	38.61	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2480MHz by 2DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

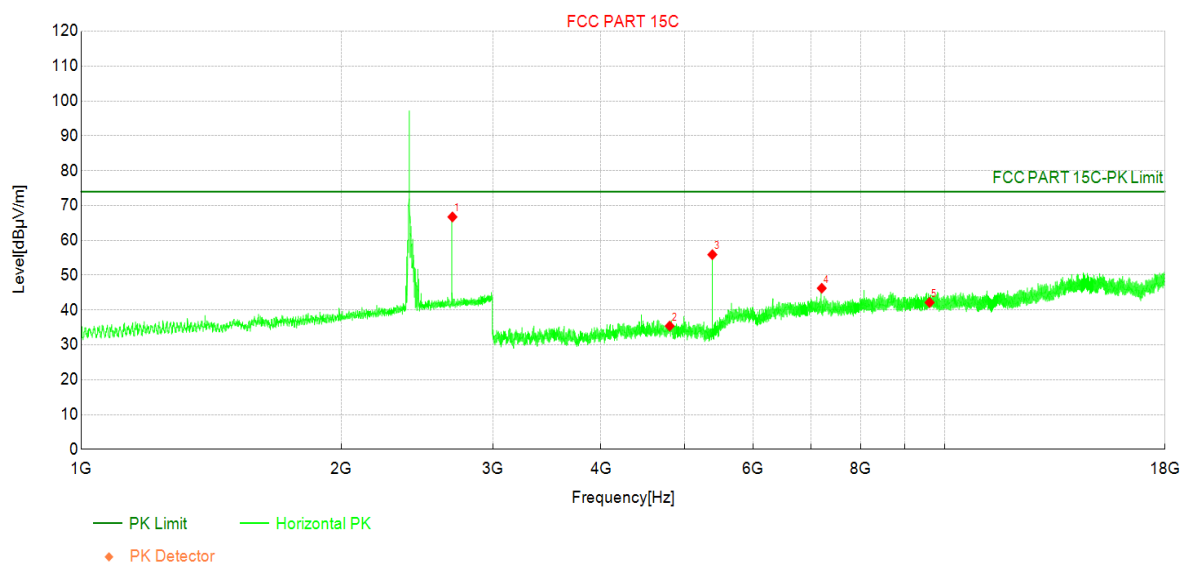
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.09	68.02	4.93	74.00	5.98	PK	Vertic	PASS
	2691.50	-	43.23	-	54.00	10.77	AV	Vertic	PASS
2	4960.00	43.79	38.52	-5.27	74.00	35.48	PK	Vertic	PASS
	4960.00	-	13.73	-	54.00	40.27	AV	Vertic	PASS
3	5383.00	60.88	57.20	-3.68	74.00	16.80	PK	Vertic	PASS
	5383.00	-	32.41	-	54.00	21.59	AV	Vertic	PASS
4	7440.00	45.38	47.94	2.56	74.00	26.06	PK	Vertic	PASS
	7440.00	-	23.15	-	54.00	30.85	AV	Vertic	PASS
5	9920.00	35.31	40.93	5.62	74.00	33.07	PK	Vertic	PASS
	9920.00	-	16.14	-	54.00	37.86	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 2402MHz by 3DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

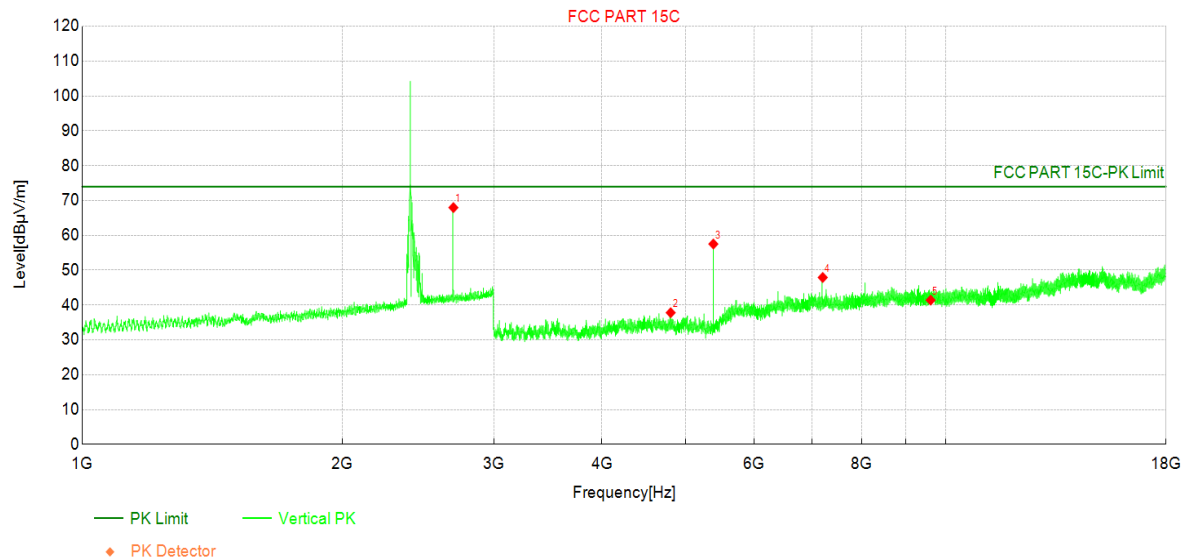
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.79	66.72	4.93	74.00	7.28	PK	Horizo	PASS
	2691.50	-	41.93	-	54.00	12.07	AV	Horizo	PASS
2	4804.00	41.43	35.40	-6.03	74.00	38.60	PK	Horizo	PASS
	4804.00	-	10.61	-	54.00	43.39	AV	Horizo	PASS
3	5383.00	59.57	55.89	-3.68	74.00	18.11	PK	Horizo	PASS
	5383.00	-	31.10	-	54.00	22.90	AV	Horizo	PASS
4	7206.00	43.28	46.25	2.97	74.00	27.75	PK	Horizo	PASS
	7206.00	-	21.46	-	54.00	32.54	AV	Horizo	PASS
5	9608.00	36.22	42.16	5.94	74.00	31.84	PK	Horizo	PASS
	9608.00	-	17.37	-	54.00	36.63	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 2402MHz by 3DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

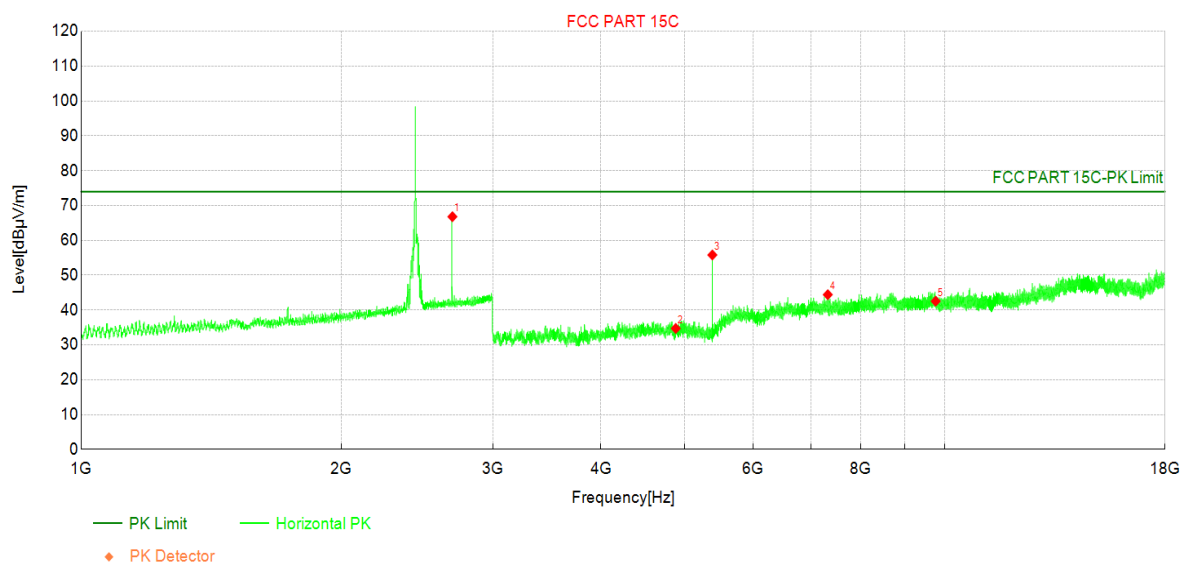
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.03	67.96	4.93	74.00	6.04	PK	Vertic	PASS
	2691.50	-	43.17	-	54.00	10.83	AV	Vertic	PASS
2	4804.00	43.83	37.80	-6.03	74.00	36.20	PK	Vertic	PASS
	4804.00	-	13.01	-	54.00	40.99	AV	Vertic	PASS
3	5383.00	61.19	57.51	-3.68	74.00	16.49	PK	Vertic	PASS
	5383.00	-	32.72	-	54.00	21.28	AV	Vertic	PASS
4	7206.00	44.94	47.91	2.97	74.00	26.09	PK	Vertic	PASS
	7206.00	-	23.12	-	54.00	30.88	AV	Vertic	PASS
5	9608.00	35.45	41.39	5.94	74.00	32.61	PK	Vertic	PASS
	9608.00	-	16.60	-	54.00	37.40	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 2441MHz by 3DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

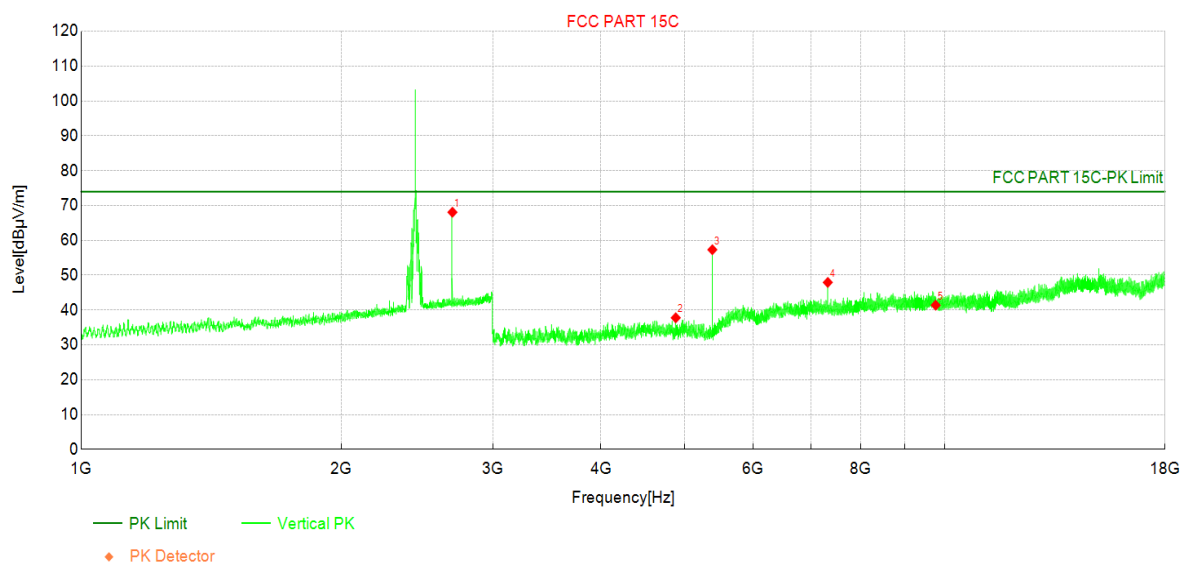
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.86	66.79	4.93	74.00	7.21	PK	Horizo	PASS
	2691.50	-	42.00	-	54.00	12.00	AV	Horizo	PASS
2	4882.00	40.79	34.71	-6.08	74.00	39.29	PK	Horizo	PASS
	4882.00	-	9.92	-	54.00	44.08	AV	Horizo	PASS
3	5383.00	59.48	55.80	-3.68	74.00	18.20	PK	Horizo	PASS
	5383.00	-	31.01	-	54.00	22.99	AV	Horizo	PASS
4	7323.00	41.62	44.40	2.78	74.00	29.60	PK	Horizo	PASS
	7323.00	-	19.61	-	54.00	34.39	AV	Horizo	PASS
5	9764.00	36.41	42.53	6.12	74.00	31.47	PK	Horizo	PASS
	9764.00	-	17.74	-	54.00	36.26	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 2441MHz by 3DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

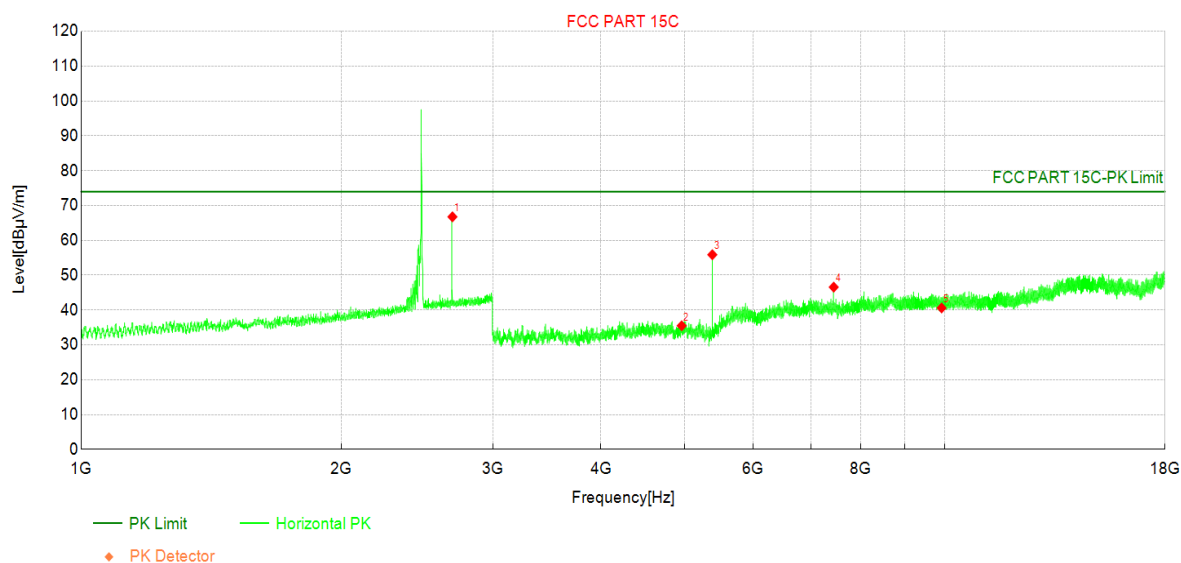
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.14	68.07	4.93	74.00	5.93	PK	Vertic	PASS
	2691.50	-	43.28	-	54.00	10.72	AV	Vertic	PASS
2	4882.00	43.85	37.77	-6.08	74.00	36.23	PK	Vertic	PASS
	4882.00	-	12.98	-	54.00	41.02	AV	Vertic	PASS
3	5383.00	60.99	57.31	-3.68	74.00	16.69	PK	Vertic	PASS
	5383.00	-	32.52	-	54.00	21.48	AV	Vertic	PASS
4	7323.00	45.15	47.93	2.78	74.00	26.07	PK	Vertic	PASS
	7323.00	-	23.14	-	54.00	30.86	AV	Vertic	PASS
5	9764.00	35.27	41.39	6.12	74.00	32.61	PK	Vertic	PASS
	9764.00	-	16.60	-	54.00	37.40	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 2480MHz by 3DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

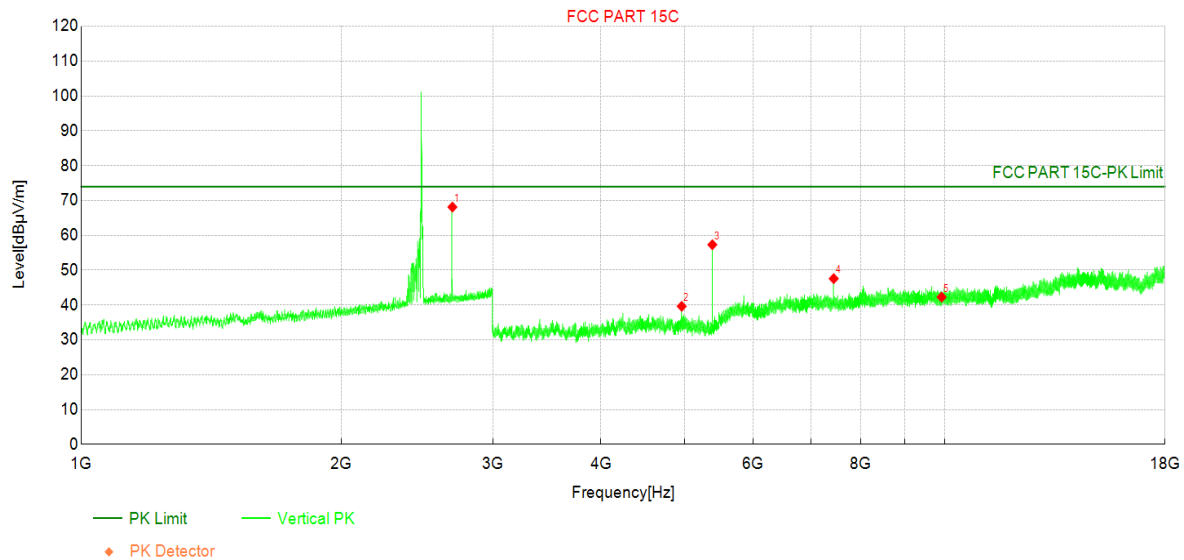
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	61.82	66.75	4.93	74.00	7.25	PK	Horizo	PASS
	2691.50	-	41.96	-	54.00	12.04	AV	Horizo	PASS
2	4960.00	40.75	35.48	-5.27	74.00	38.52	PK	Horizo	PASS
	4960.00	-	10.69	-	54.00	43.31	AV	Horizo	PASS
3	5383.00	59.55	55.87	-3.68	74.00	18.13	PK	Horizo	PASS
	5383.00	-	31.08	-	54.00	22.92	AV	Horizo	PASS
4	7440.00	44.01	46.57	2.56	74.00	27.43	PK	Horizo	PASS
	7440.00	-	21.78	-	54.00	32.22	AV	Horizo	PASS
5	9920.00	34.98	40.60	5.62	74.00	33.40	PK	Horizo	PASS
	9920.00	-	15.81	-	54.00	38.19	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 2480MHz by 3DH5	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Enginee	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.50	63.19	68.12	4.93	74.00	5.88	PK	Vertic	PASS
	2691.50	-	43.33	-	54.00	10.67	AV	Vertic	PASS
2	4960.00	44.90	39.63	-5.27	74.00	34.37	PK	Vertic	PASS
	4960.00	-	14.84	-	54.00	39.16	AV	Vertic	PASS
3	5383.00	60.99	57.31	-3.68	74.00	16.69	PK	Vertic	PASS
	5383.00	-	32.52	-	54.00	21.48	AV	Vertic	PASS
4	7440.00	45.02	47.58	2.56	74.00	26.42	PK	Vertic	PASS
	7440.00	-	22.79	-	54.00	31.21	AV	Vertic	PASS
5	9920.00	36.65	42.27	5.62	74.00	31.73	PK	Vertic	PASS
	9920.00	-	17.48	-	54.00	36.52	AV	Vertic	PASS

Note:

1.Level=Reading+Factor

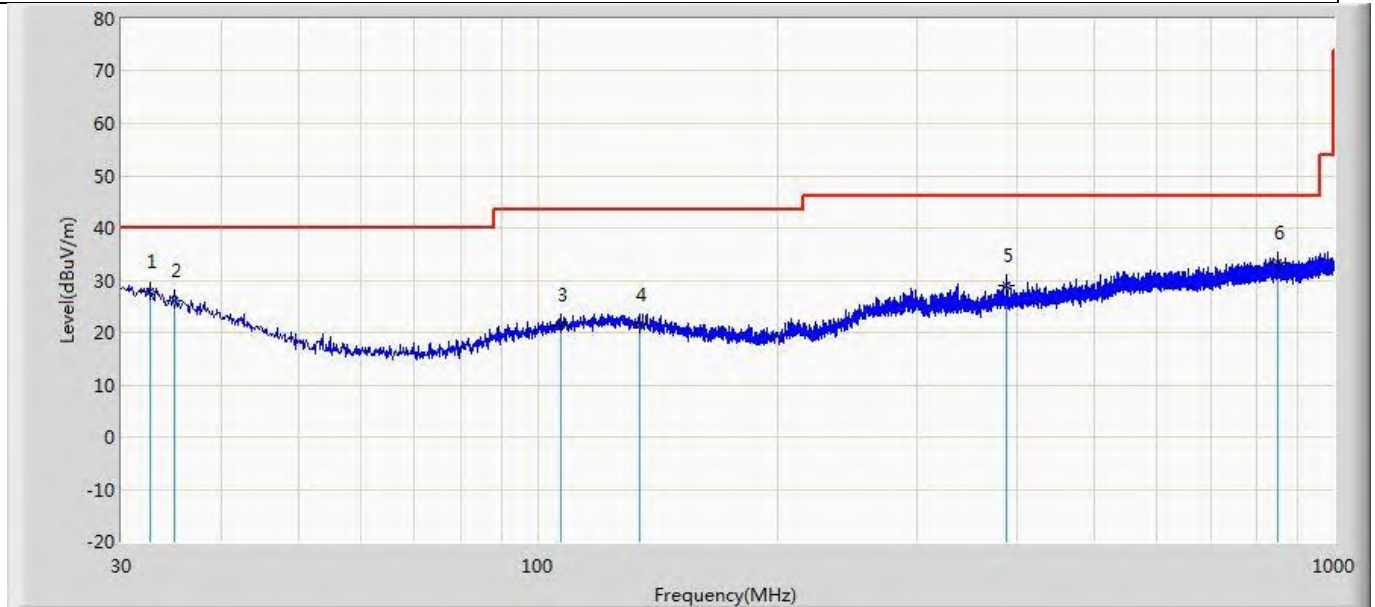
2. Margin=Limit-Level, AV Level = PK Level + Duty Cycle Factor.

3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.

4. 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.

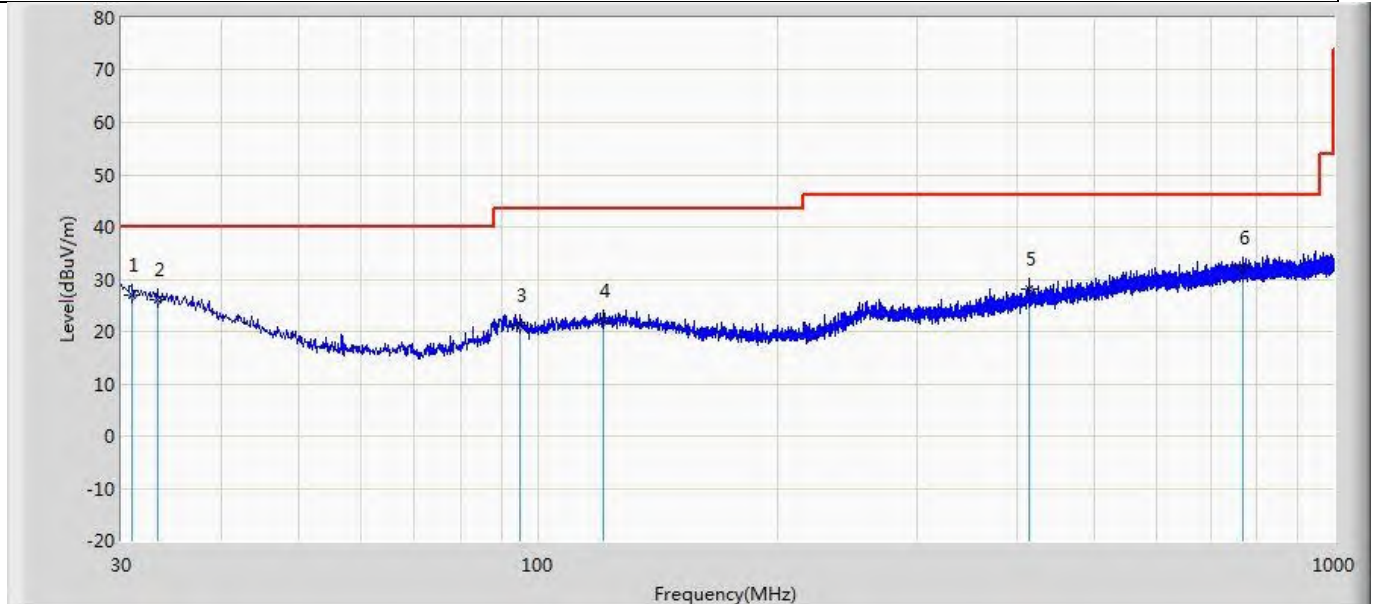
The worst case of Radiated Emission below 1GHz :

Profile: 2530770R	Page No.: 1
Engineer: Yu Liu	
Site: AC2	Time: 2025/04/19 - 03:35
Limit: FCC_Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)-2024	Polarity: Horizontal
EUT: Smart Controller	Power: 230 Vac / 50 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	*	32.546	27.705	3.796	-12.295	40.000	23.909	QP
2		34.971	25.994	3.274	-14.006	40.000	22.720	QP
3		106.751	21.586	3.129	-21.914	43.500	18.457	QP
4		134.275	21.553	2.611	-21.947	43.500	18.942	QP
5		387.687	29.004	5.952	-16.996	46.000	23.052	QP
6		849.650	33.303	4.109	-12.697	46.000	29.194	QP

Profile: 2530770R	Page No.: 2
Engineer: Yu Liu	
Site: AC2	Time: 2025/04/19 - 03:40
Limit: FCC_Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)-2024	Polarity: Vertical
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: mode 1:Transmit at 2402MHz by DH5	



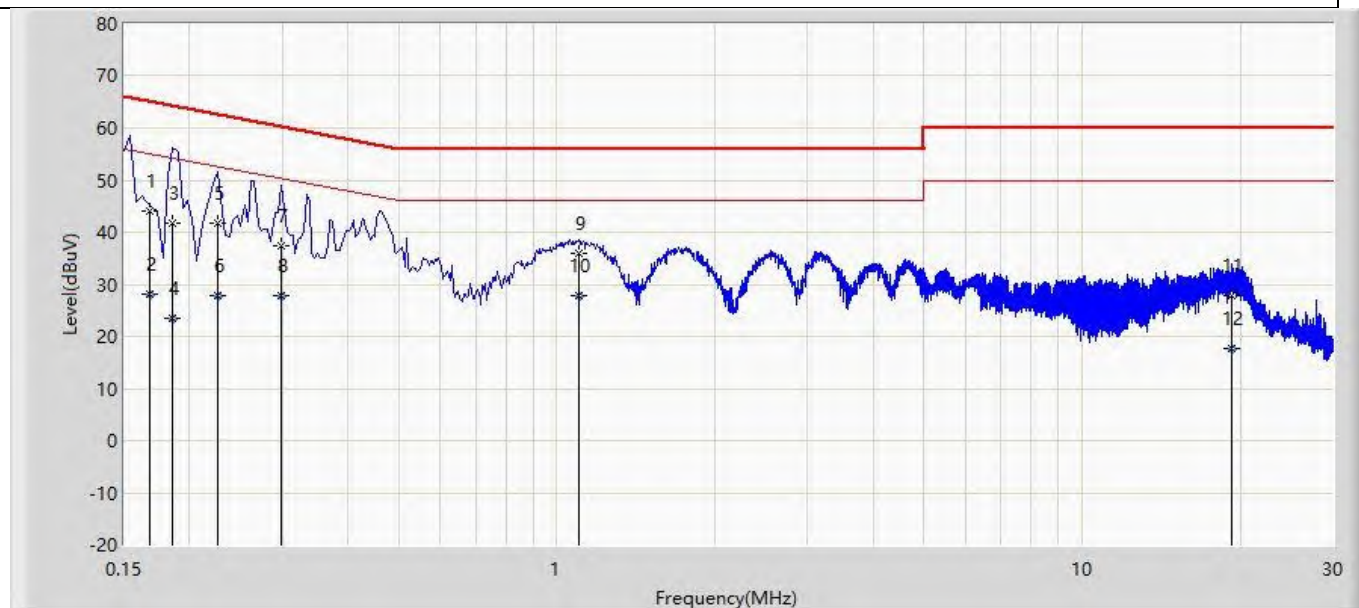
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	30.970	26.963	2.349	-13.037	40.000	24.614	QP
2		33.274	26.026	2.464	-13.974	40.000	23.561	QP
3		95.111	21.086	4.288	-22.414	43.500	16.798	QP
4		120.816	21.977	2.611	-21.523	43.500	19.365	QP
5		414.848	28.072	3.874	-17.928	46.000	24.197	QP
6		768.898	32.168	3.785	-13.832	46.000	28.383	QP

Note:

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

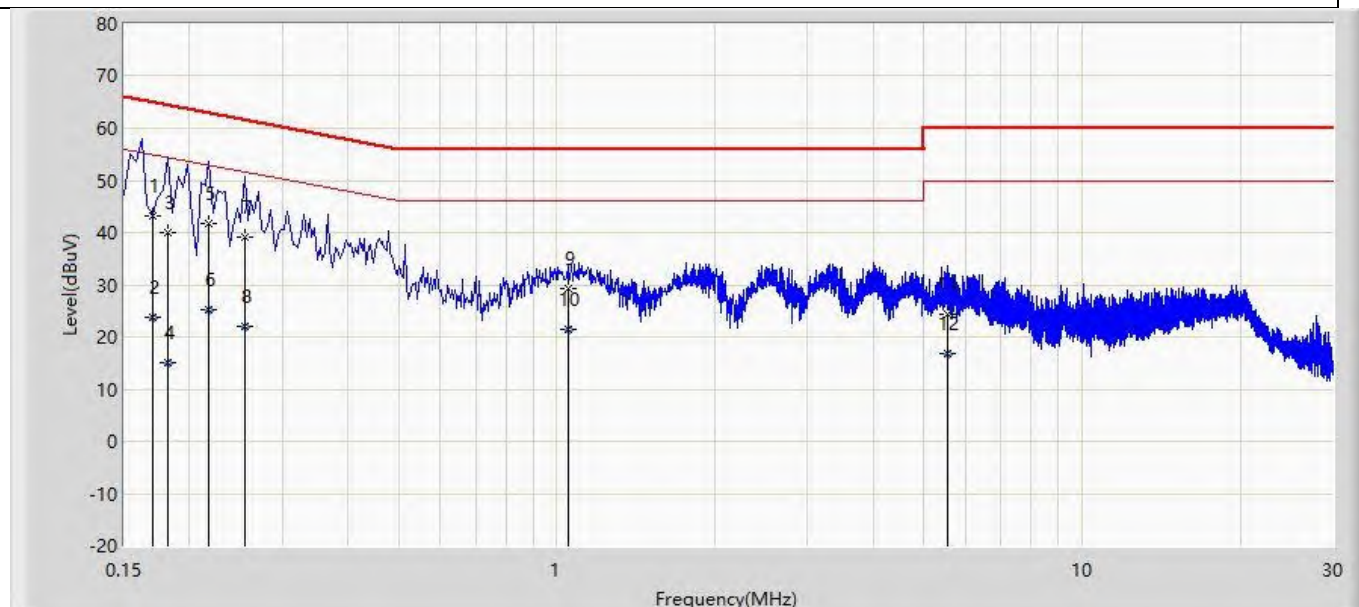
Appendix K: AC Power Line Conducted Emission

Profile: 2530770R	Page No.: 1
Site: TR1	Time: 2025/04/18 - 22:09
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: Smart Controller	Power: 230 Vac / 50 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		0.168	43.921	34.219	-21.114	65.036	9.703	QP
2		0.168	28.176	18.473	-26.860	55.036	9.703	AV
3		0.186	41.875	32.179	-22.338	64.213	9.696	QP
4		0.186	23.547	13.850	-30.666	54.213	9.696	AV
5		0.226	41.671	31.974	-20.924	62.595	9.698	QP
6		0.226	27.700	18.003	-24.895	52.595	9.698	AV
7		0.298	37.257	27.547	-23.041	60.298	9.711	QP
8		0.298	27.874	18.164	-22.424	50.298	9.711	AV
9		1.102	36.007	26.251	-19.993	56.000	9.756	QP
10	*	1.102	27.819	18.063	-18.181	46.000	9.756	AV
11		19.210	27.768	17.285	-32.232	60.000	10.483	QP
12		19.210	17.583	7.100	-32.417	50.000	10.483	AV

Profile: 2530770R	Page No.: 2
Site: TR1	Time: 2025/04/18 - 22:11
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: Smart Controller	Power: 230 Vac / 50 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		0.170	43.136	33.419	-21.831	64.967	9.717	QP
2		0.170	23.676	13.960	-31.291	54.967	9.717	AV
3		0.182	40.002	30.299	-24.392	64.394	9.702	QP
4		0.182	14.991	5.289	-39.402	54.394	9.702	AV
5	*	0.218	41.834	32.154	-21.061	62.895	9.680	QP
6		0.218	25.135	15.455	-27.760	52.895	9.680	AV
7		0.254	39.097	29.423	-22.529	61.625	9.674	QP
8		0.254	22.030	12.356	-29.596	51.625	9.674	AV
9		1.054	29.165	19.435	-26.835	56.000	9.730	QP
10		1.054	21.318	11.588	-24.682	46.000	9.730	AV
11		5.546	24.369	14.501	-35.631	60.000	9.869	QP
12		5.546	16.918	7.050	-33.082	50.000	9.869	AV

Note:

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

The End