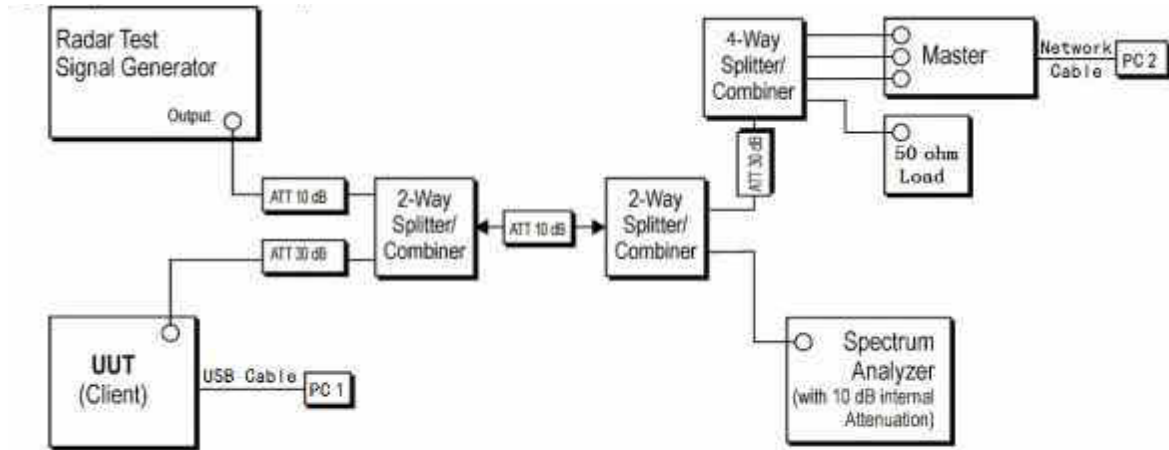


15.6. Test Setup

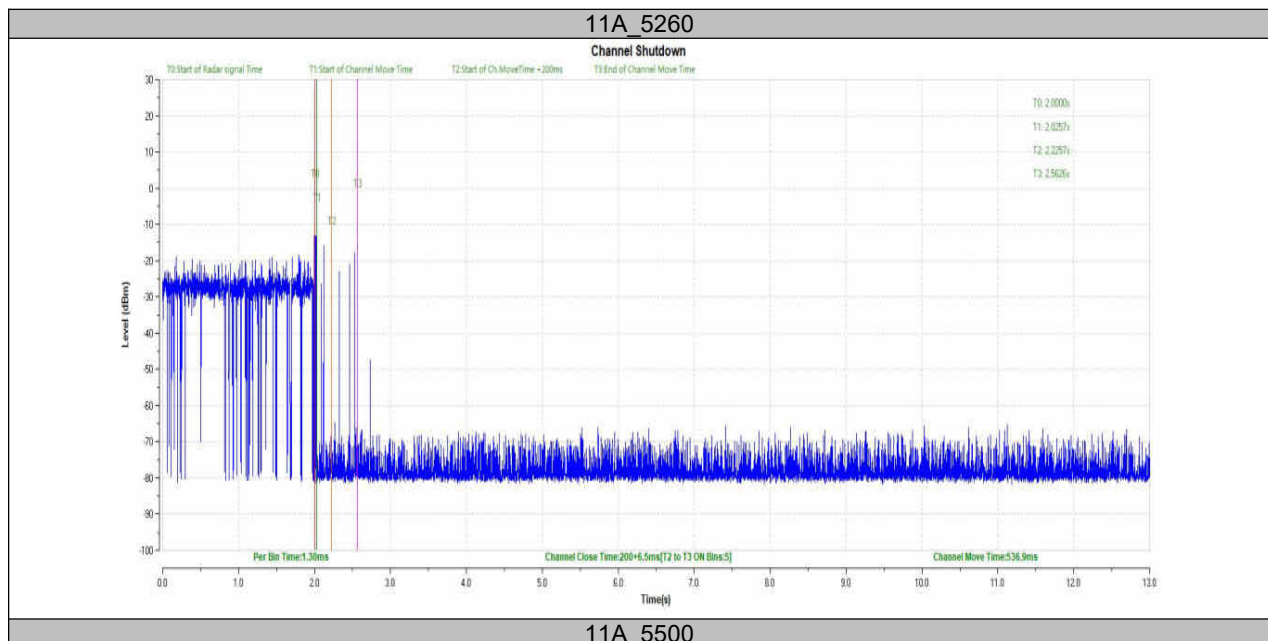
Setup for Client with injection at the Master

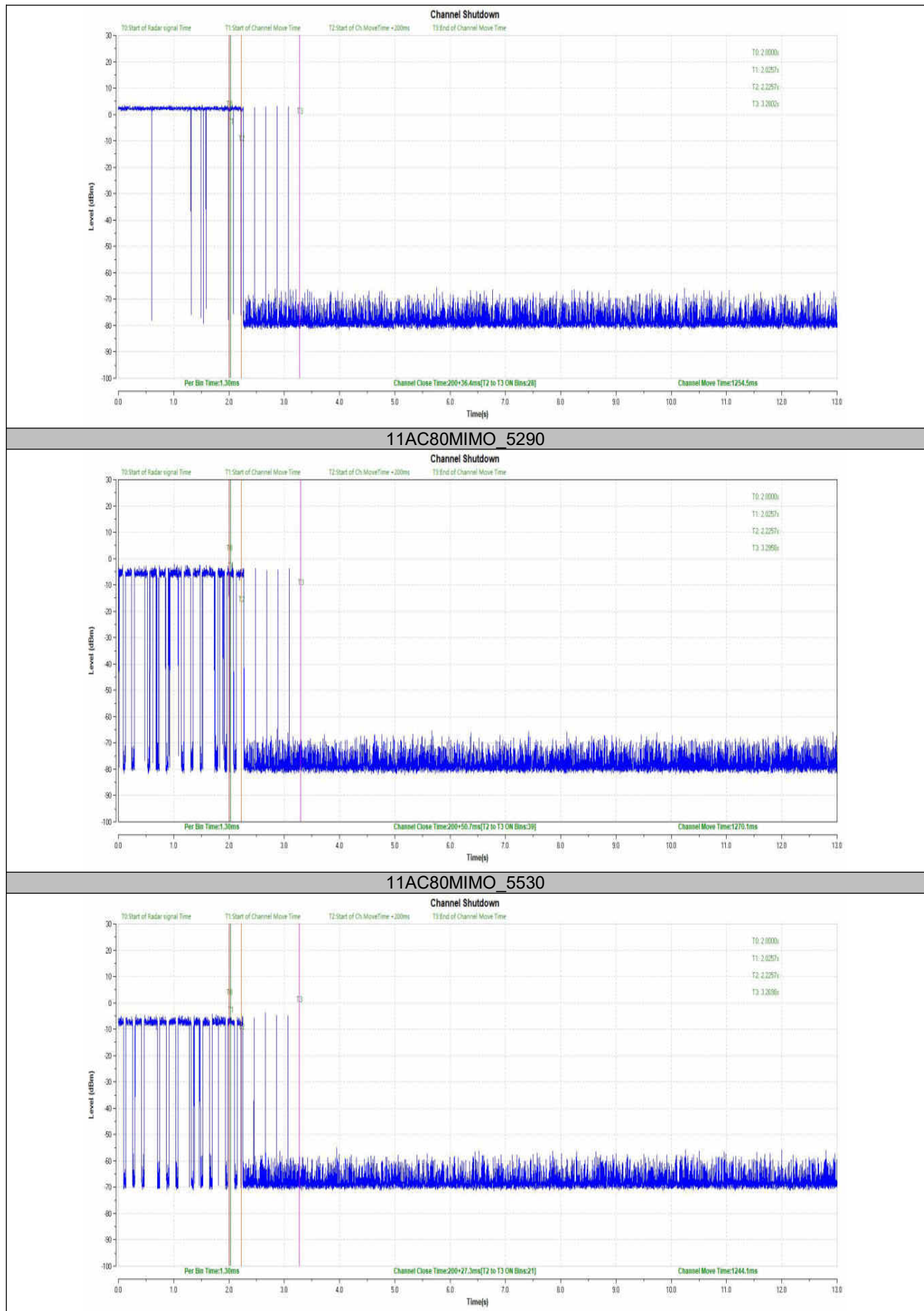
Master Name	Brand Name	Model Name	FCC ID	Run-up Time(s)
ROG Rapture Tri-band Gaming Router	ASUS	GT-AXE11000	MSQ-RTAXJF00	90



15.7. Test Result

TestMode	Frequency(MHz)	CCTT(ms)	Limit(ms)	CMT(ms)	Limit(ms)	Verdict
11A	5260	200+6.5	200+60	536.9	10000	PASS
	5500	200+36.4	200+60	1254.5	10000	PASS
11AC80MIMO	5290	200+50.7	200+60	1270.1	10000	PASS
	5530	200+27.3	200+60	1244.1	10000	PASS





16. Antenna Requirements

16.1. Applicable Requirements

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

16.2. Result

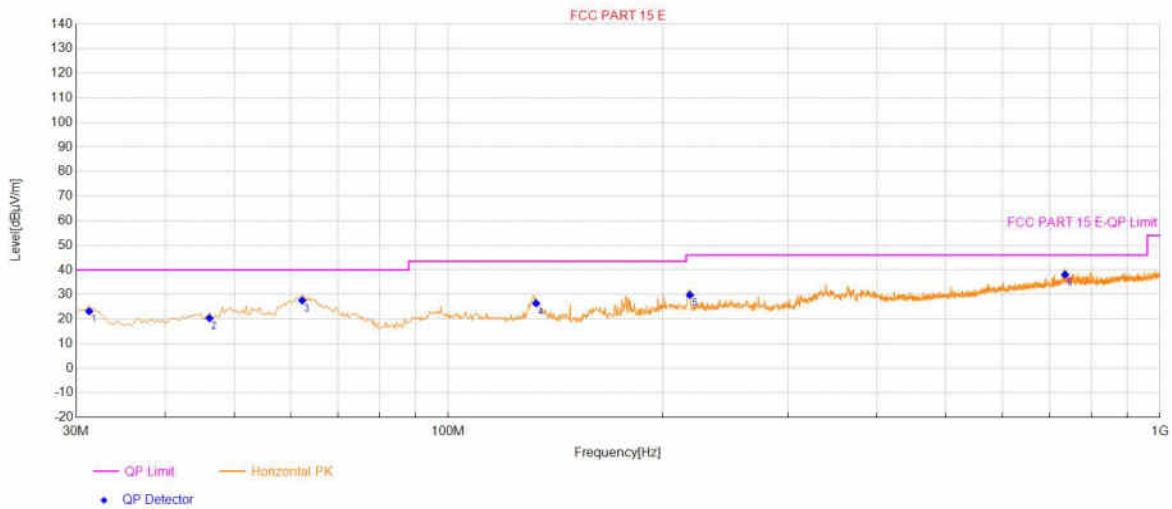
The device support 2T2R MIMO, the antennas both used for this product are dedicated External Antenna antennas and other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 4.65 dBi.

APPENDIX A - Radiated Emission Below 1GHz Test Data Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:			
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 09:27:28

Test Graph



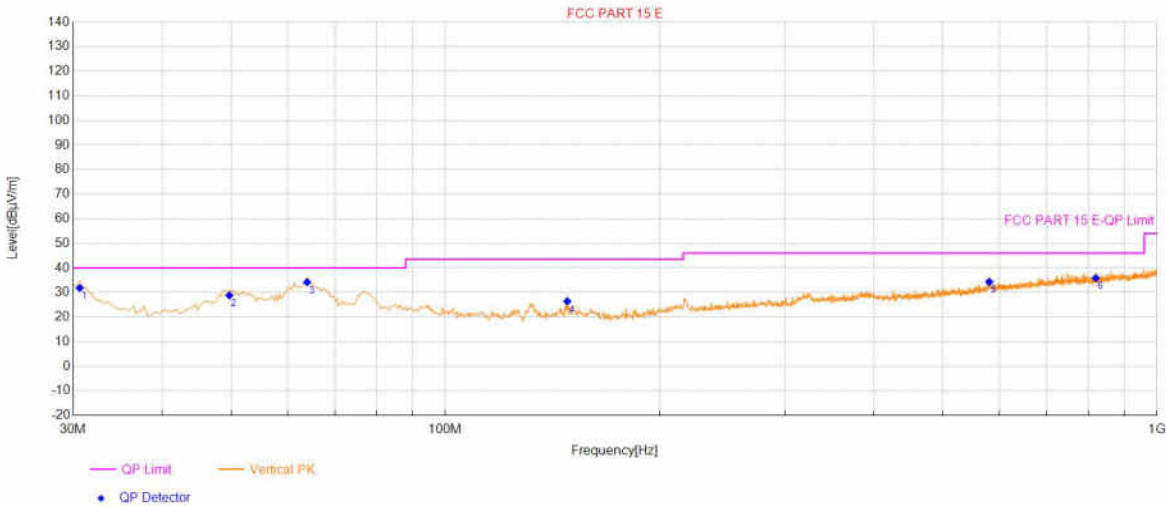
Final Data List									
NO.	Frequency (MHz)	Factor (dB/m)	QP Value (dBµV/m)	QP Limit (dBµV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	31.2938	17.73	23.20	40.00	16.80	100	301	Horizontal	PASS
2	46.1721	21.11	20.38	40.00	19.62	100	32	Horizontal	PASS
3	62.3441	19.70	27.60	40.00	12.40	100	342	Horizontal	PASS
4	132.8543	16.89	26.39	43.50	17.11	100	82	Horizontal	PASS
5	218.5662	21.05	29.79	46.00	16.21	100	108	Horizontal	PASS
6	735.7486	32.36	38.12	46.00	7.88	100	301	Horizontal	PASS

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:			
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 09:29:20

Test Graph



Final Data List									
NO.	Frequency (MHz)	Factor (dB/m)	QP Value (dBµV/m)	QP Limit (dBµV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.6469	17.73	31.83	40.00	8.17	100	250	Vertical	PASS
2	49.7299	21.44	28.84	40.00	11.16	100	32	Vertical	PASS
3	63.9613	19.28	34.20	40.00	5.80	100	107	Vertical	PASS
4	148.3795	17.01	26.40	43.50	17.10	100	167	Vertical	PASS
5	581.1437	29.78	34.33	46.00	11.67	100	360	Vertical	PASS
6	820.1667	33.26	35.88	46.00	10.12	100	353	Vertical	PASS

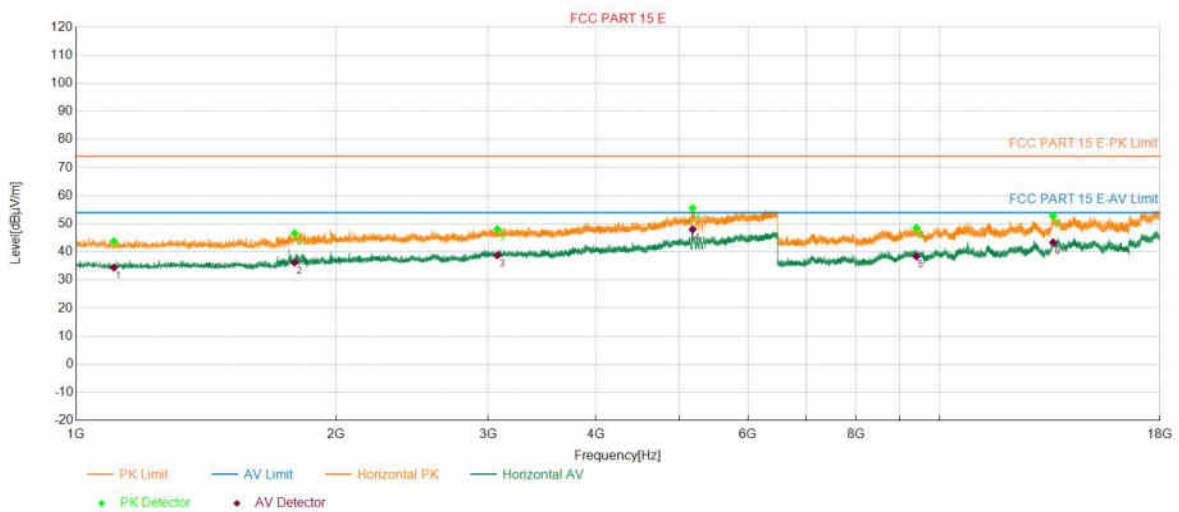
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 15		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:12:00

Test Graph



PK Final Data List

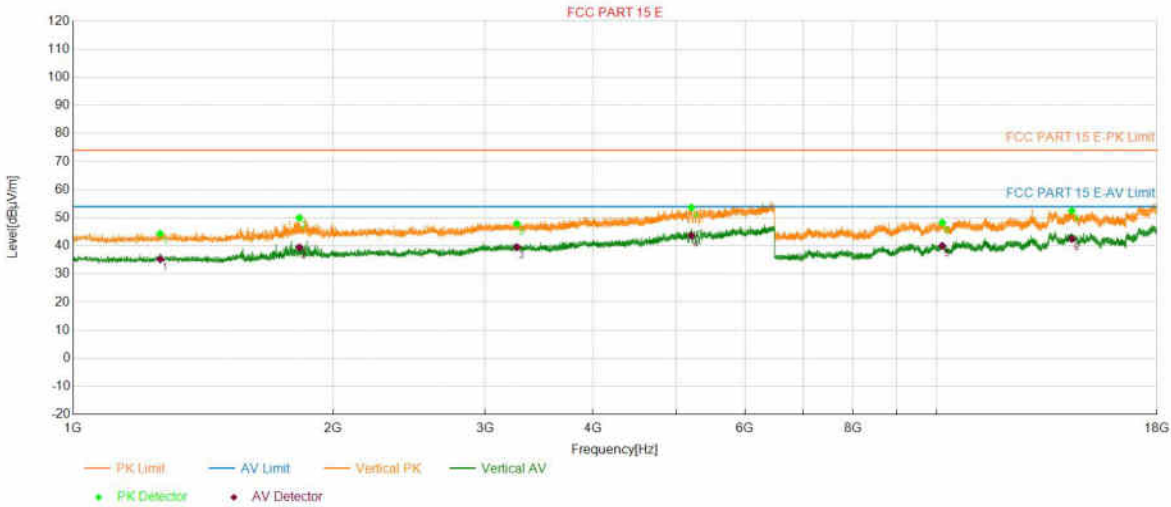
NO.	Frequency (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1106.1606	43.79	74.00	30.21	34.37	54.00	19.63	150	316	Horizontal
2	1790.9791	46.66	74.00	27.34	36.20	54.00	17.80	150	224	Horizontal
3	3075.3575	48.03	74.00	25.97	38.80	54.00	15.20	150	46	Horizontal
4	5174.9175	55.55	74.00	18.45	47.93	54.00	6.07	150	279	Horizontal
5	9399.4399	48.53	74.00	25.47	38.37	54.00	15.63	150	174	Horizontal
6	13535.2535	52.74	74.00	21.26	43.32	54.00	10.68	150	5	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 15		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:13:22

Test Graph



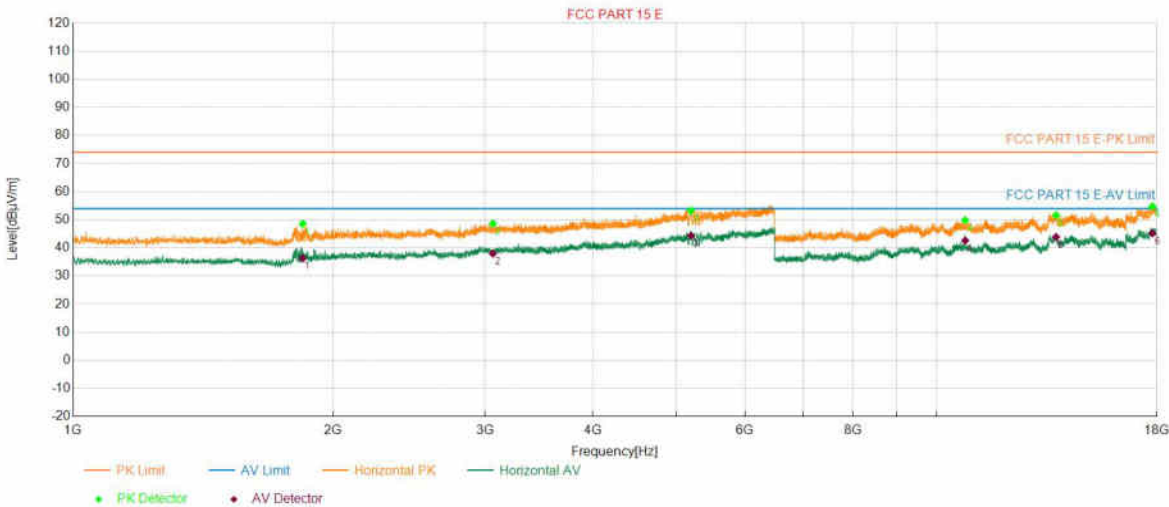
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1261.2761	44.32	74.00	29.68	35.25	54.00	18.75	150	208	Vertical
2	1828.3828	49.96	74.00	24.04	39.44	54.00	14.56	150	176	Vertical
3	3265.1265	47.83	74.00	26.17	39.59	54.00	14.41	150	356	Vertical
4	5199.6700	53.59	74.00	20.41	43.60	54.00	10.40	150	109	Vertical
5	10150.4650	48.27	74.00	25.73	40.04	54.00	13.96	150	17	Vertical
6	14341.4841	52.50	74.00	21.50	42.43	54.00	11.57	150	295	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5200	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 13		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:18:38

Test Graph



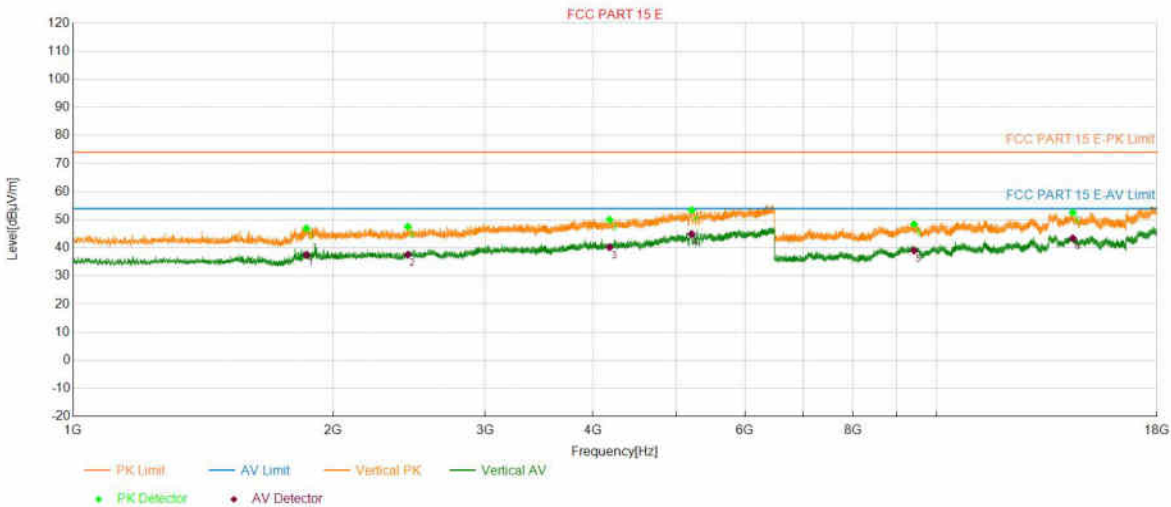
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1844.3344	48.57	74.00	25.43	36.31	54.00	17.69	150	227	Horizontal
2	3062.7063	48.60	74.00	25.40	37.96	54.00	16.04	150	0	Horizontal
3	5194.7195	53.21	74.00	20.79	44.30	54.00	9.70	150	1	Horizontal
4	10792.2292	49.83	74.00	24.17	42.59	54.00	11.41	150	5	Horizontal
5	13752.6253	51.59	74.00	22.41	43.87	54.00	10.13	150	103	Horizontal
6	17779.1779	54.76	74.00	19.24	45.15	54.00	8.85	150	2	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5200	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 13		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:20:00

Test Graph



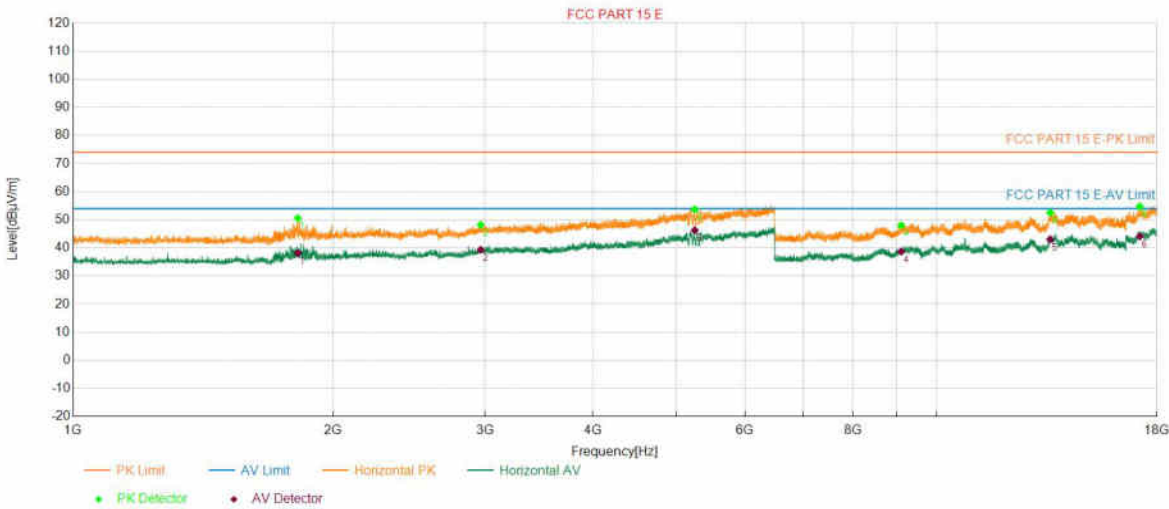
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1863.0363	46.91	74.00	27.09	37.46	54.00	16.54	150	162	Vertical
2	2441.6942	47.53	74.00	26.47	37.55	54.00	16.45	150	224	Vertical
3	4181.5182	50.03	74.00	23.97	40.19	54.00	13.81	150	1	Vertical
4	5204.0704	53.43	74.00	20.57	44.89	54.00	9.11	150	95	Vertical
5	9416.6917	48.40	74.00	25.60	39.04	54.00	14.96	150	222	Vertical
6	14379.4379	52.54	74.00	21.46	43.39	54.00	10.61	150	115	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5240	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:24:11

Test Graph



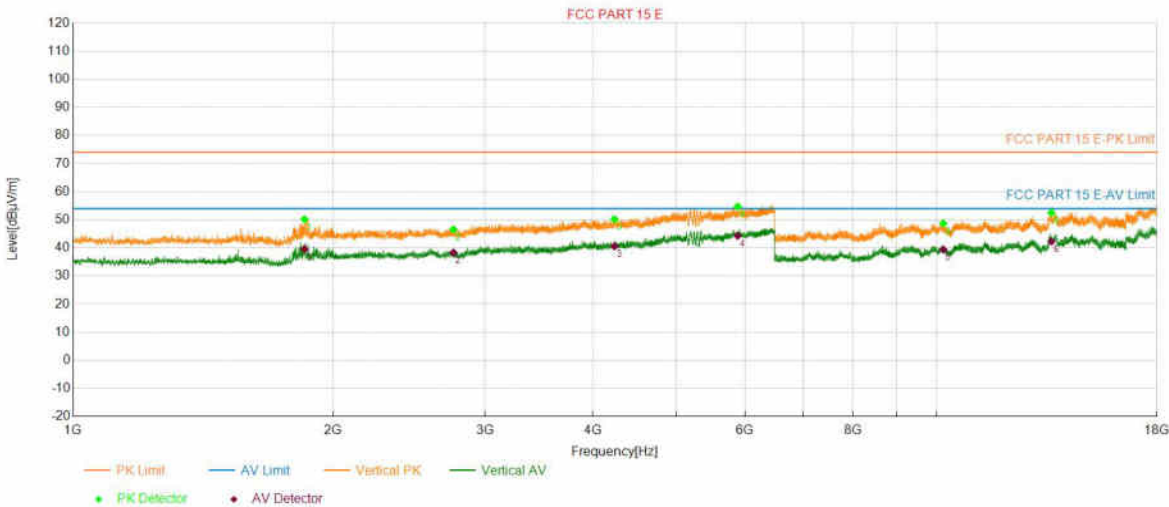
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1820.6821	50.56	74.00	23.44	38.09	54.00	15.91	150	224	Horizontal
2	2964.7965	48.16	74.00	25.84	39.30	54.00	14.70	150	148	Horizontal
3	5246.4246	53.72	74.00	20.28	46.25	54.00	7.75	150	299	Horizontal
4	9100.4100	47.97	74.00	26.03	38.68	54.00	15.32	150	212	Horizontal
5	13537.5538	52.55	74.00	21.45	43.03	54.00	10.97	150	193	Horizontal
6	17192.6193	54.77	74.00	19.23	44.06	54.00	9.94	150	350	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5240	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:25:32

Test Graph



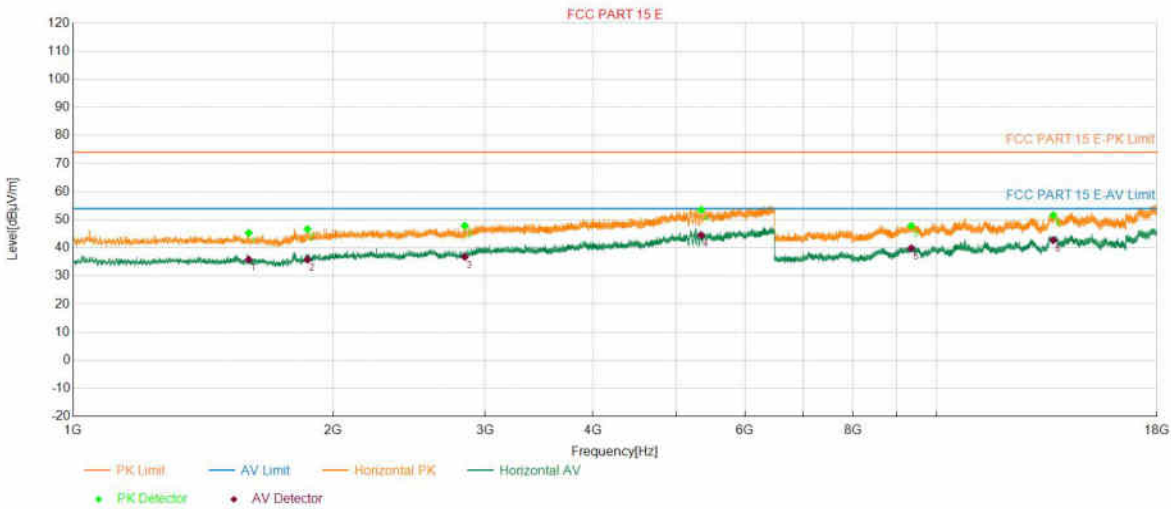
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1853.6854	50.17	74.00	23.83	39.57	54.00	14.43	150	174	Vertical
2	2756.8757	46.56	74.00	27.44	38.32	54.00	15.68	150	228	Vertical
3	4235.4235	50.23	74.00	23.77	40.58	54.00	13.42	150	337	Vertical
4	5884.4884	54.72	74.00	19.28	44.26	54.00	9.74	150	204	Vertical
5	10180.3680	48.71	74.00	25.29	39.40	54.00	14.60	150	86	Vertical
6	13583.5584	52.49	74.00	21.51	42.28	54.00	11.72	150	256	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5260	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:28:18

Test Graph



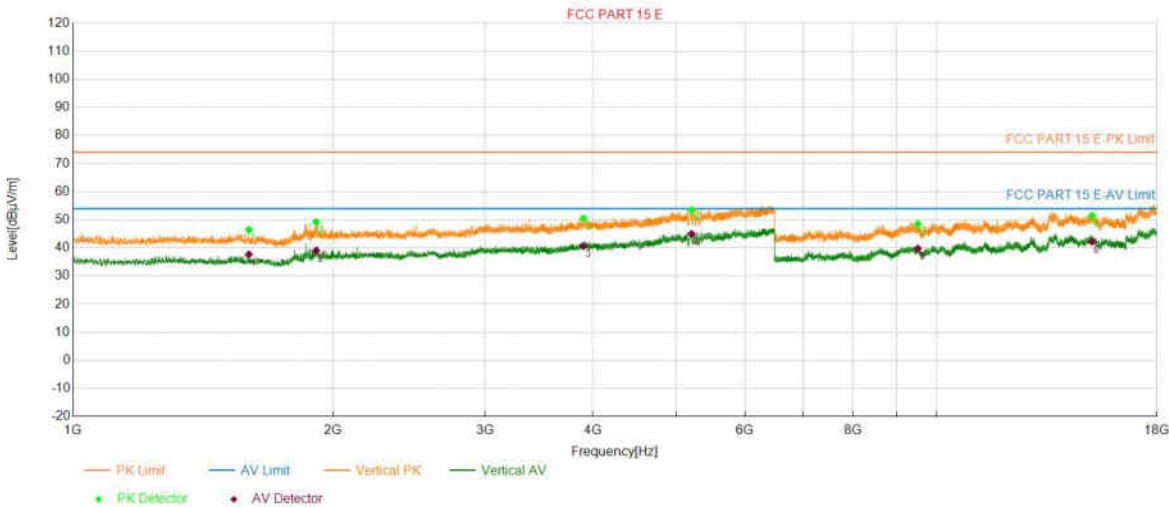
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1597.3597	45.33	74.00	28.67	35.83	54.00	18.17	150	187	Horizontal
2	1867.9868	46.68	74.00	27.32	35.81	54.00	18.19	150	218	Horizontal
3	2841.5842	47.86	74.00	26.14	36.81	54.00	17.19	150	292	Horizontal
4	5338.2838	53.51	74.00	20.49	44.47	54.00	9.53	150	117	Horizontal
5	9344.2344	47.84	74.00	26.16	39.81	54.00	14.19	150	31	Horizontal
6	13652.5653	51.60	74.00	22.40	42.70	54.00	11.30	150	211	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5260	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:29:40

Test Graph



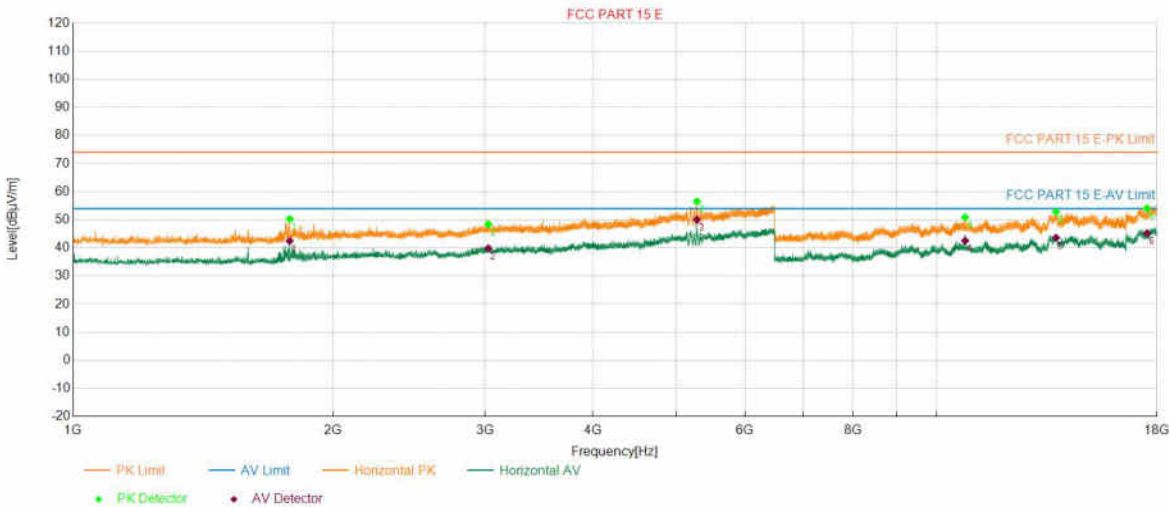
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1597.9098	46.41	74.00	27.59	37.65	54.00	16.35	150	82	Vertical
2	1911.4411	49.18	74.00	24.82	38.99	54.00	15.01	150	184	Vertical
3	3898.7899	50.46	74.00	23.54	40.60	54.00	13.40	150	249	Vertical
4	5204.6205	53.40	74.00	20.60	44.93	54.00	9.07	150	249	Vertical
5	9511.0011	48.47	74.00	25.53	39.77	54.00	14.23	150	100	Vertical
6	15131.6132	51.41	74.00	22.59	42.20	54.00	11.80	150	118	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5280	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:36:16

Test Graph



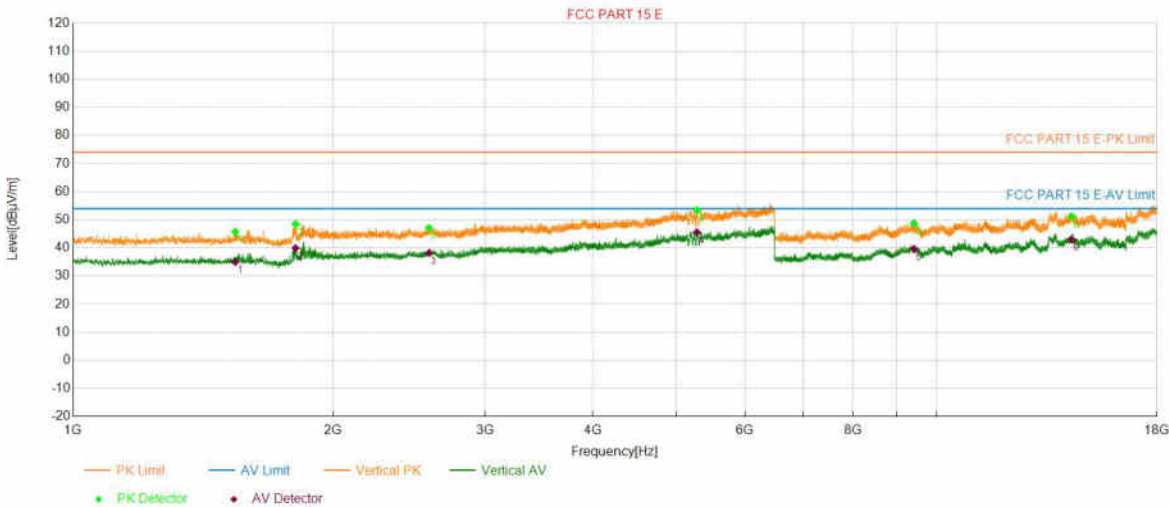
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1781.6282	50.25	74.00	23.75	42.42	54.00	11.58	150	140	Horizontal
2	3025.8526	48.39	74.00	25.61	39.84	54.00	14.16	150	2	Horizontal
3	5277.2277	56.52	74.00	17.48	50.03	54.00	3.97	150	287	Horizontal
4	10791.0791	50.88	74.00	23.12	42.53	54.00	11.47	150	2	Horizontal
5	13751.4751	52.80	74.00	21.20	43.57	54.00	10.43	150	91	Horizontal
6	17525.0025	54.02	74.00	19.98	45.19	54.00	8.81	150	343	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5280	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:37:38

Test Graph



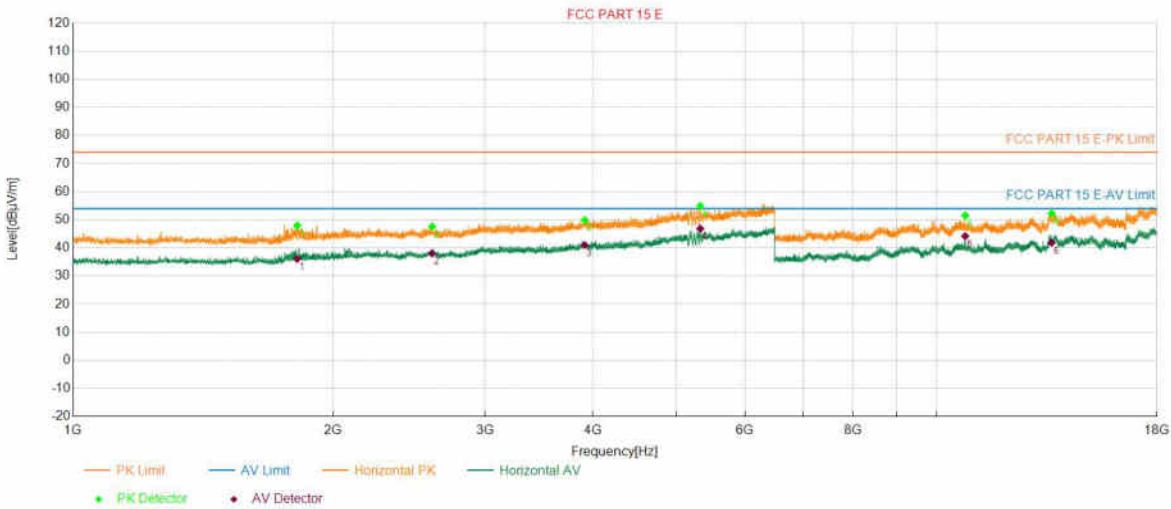
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1541.2541	45.71	74.00	28.29	34.98	54.00	19.02	150	5	Vertical
2	1809.6810	48.44	74.00	25.56	39.89	54.00	14.11	150	183	Vertical
3	2583.0583	47.05	74.00	26.95	38.17	54.00	15.83	150	221	Vertical
4	5277.2277	53.38	74.00	20.62	45.54	54.00	8.46	150	172	Vertical
5	9415.5416	48.67	74.00	25.33	39.57	54.00	14.43	150	283	Vertical
6	14331.1331	51.29	74.00	22.71	42.94	54.00	11.06	150	312	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5320	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:40:57

Test Graph



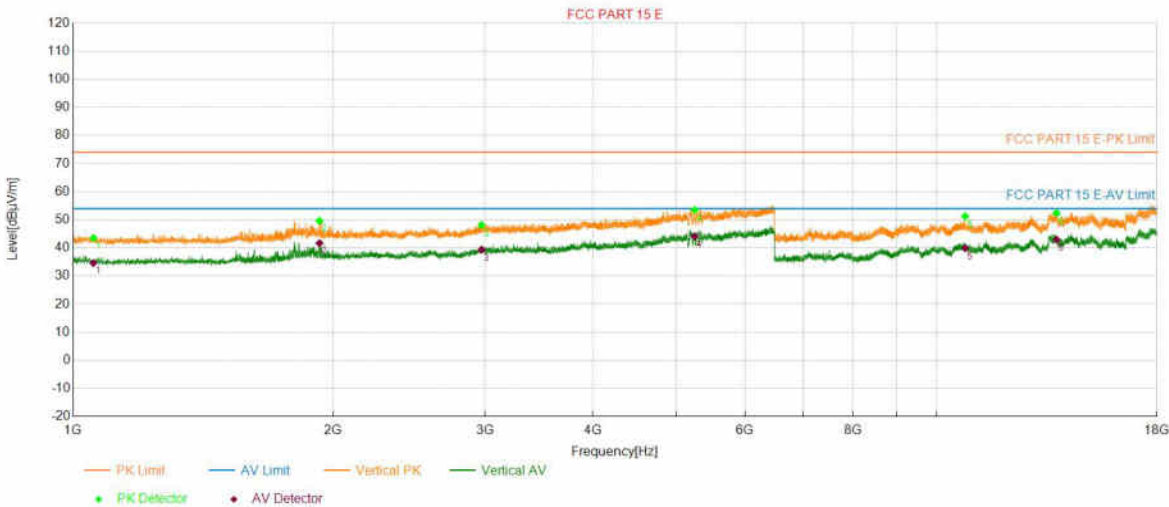
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1817.3817	47.93	74.00	26.07	36.04	54.00	17.96	150	142	Horizontal
2	2604.5105	47.57	74.00	26.43	37.98	54.00	16.02	150	0	Horizontal
3	3912.5413	49.89	74.00	24.11	40.99	54.00	13.01	150	137	Horizontal
4	5324.5325	54.90	74.00	19.10	46.79	54.00	7.21	150	273	Horizontal
5	10792.2292	51.51	74.00	22.49	44.17	54.00	9.83	150	360	Horizontal
6	13591.6092	52.17	74.00	21.83	41.86	54.00	12.14	150	110	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5320	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:42:18

Test Graph



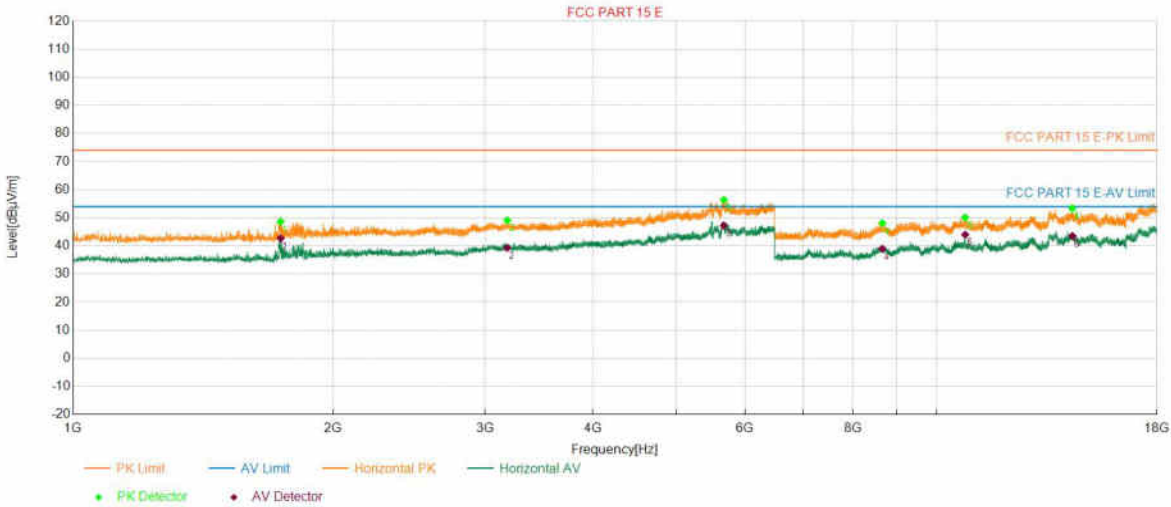
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1055.5556	43.48	74.00	30.52	34.58	54.00	19.42	150	98	Vertical
2	1929.0429	49.62	74.00	24.38	41.65	54.00	12.35	150	149	Vertical
3	2971.9472	48.11	74.00	25.89	39.35	54.00	14.65	150	198	Vertical
4	5245.3245	53.46	74.00	20.54	44.11	54.00	9.89	150	186	Vertical
5	10791.0791	51.23	74.00	22.77	39.91	54.00	14.09	150	204	Vertical
6	13767.5768	52.36	74.00	21.64	42.90	54.00	11.10	150	144	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5500	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:46:37

Test Graph



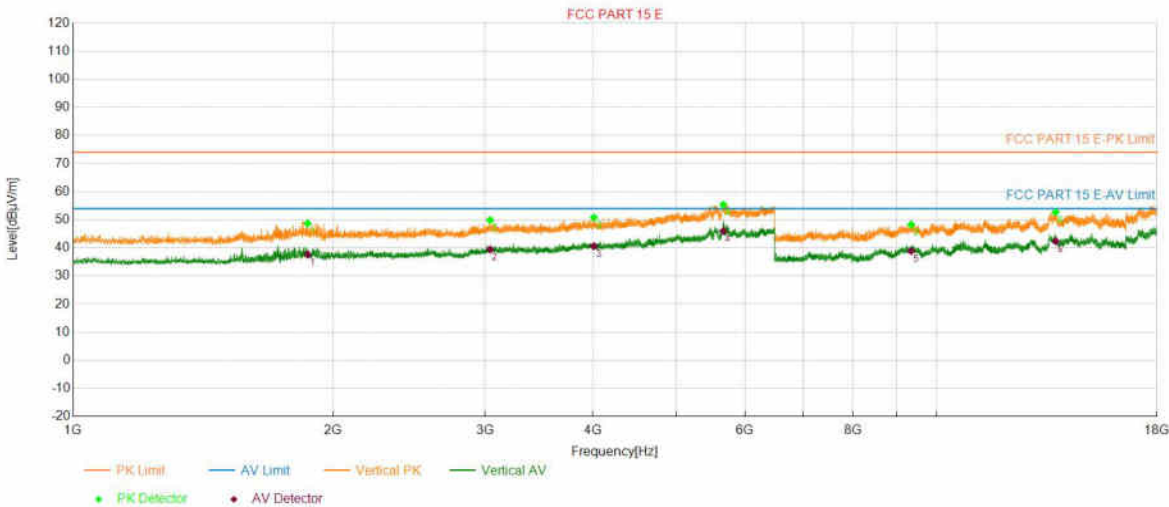
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1738.7239	48.61	74.00	25.39	42.66	54.00	11.34	150	149	Horizontal
2	3182.0682	49.07	74.00	24.93	39.29	54.00	14.71	150	251	Horizontal
3	5671.0671	56.40	74.00	17.60	47.24	54.00	6.76	150	347	Horizontal
4	8650.7151	48.07	74.00	25.93	38.97	54.00	15.03	150	121	Horizontal
5	10792.2292	50.09	74.00	23.91	43.98	54.00	10.02	150	203	Horizontal
6	14362.1862	53.31	74.00	20.69	43.50	54.00	10.50	150	355	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5500	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:47:59

Test Graph



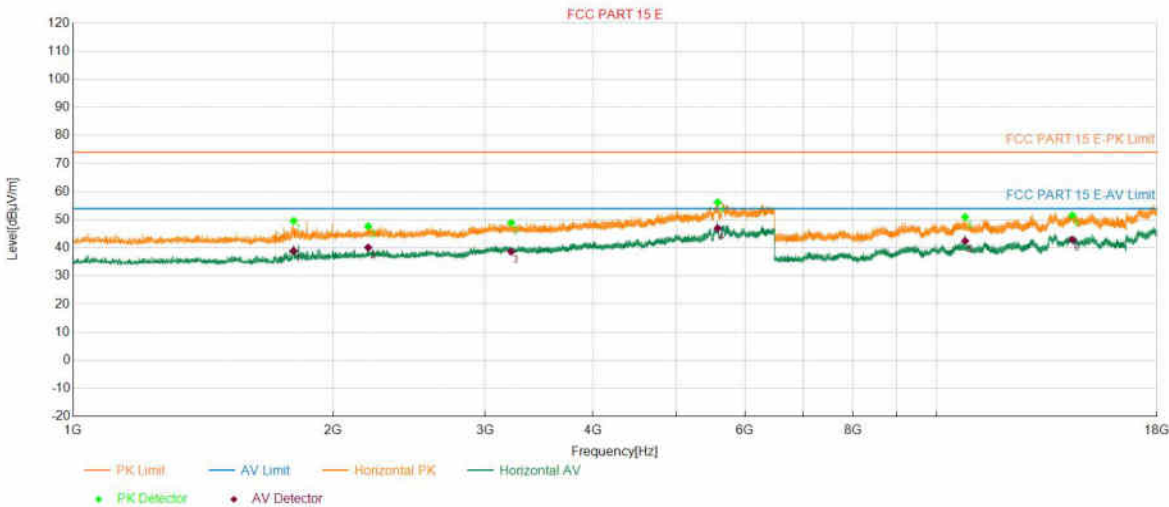
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1869.0869	48.67	74.00	25.33	37.60	54.00	16.40	150	186	Vertical
2	3040.7041	49.89	74.00	24.11	39.40	54.00	14.60	150	308	Vertical
3	4009.3509	50.80	74.00	23.20	40.62	54.00	13.38	150	69	Vertical
4	5661.7162	55.38	74.00	18.62	46.00	54.00	8.00	150	233	Vertical
5	9345.3845	48.26	74.00	25.74	38.91	54.00	15.09	150	34	Vertical
6	13736.5237	52.70	74.00	21.30	42.36	54.00	11.64	150	332	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5580	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:51:08

Test Graph



PK Final Data List

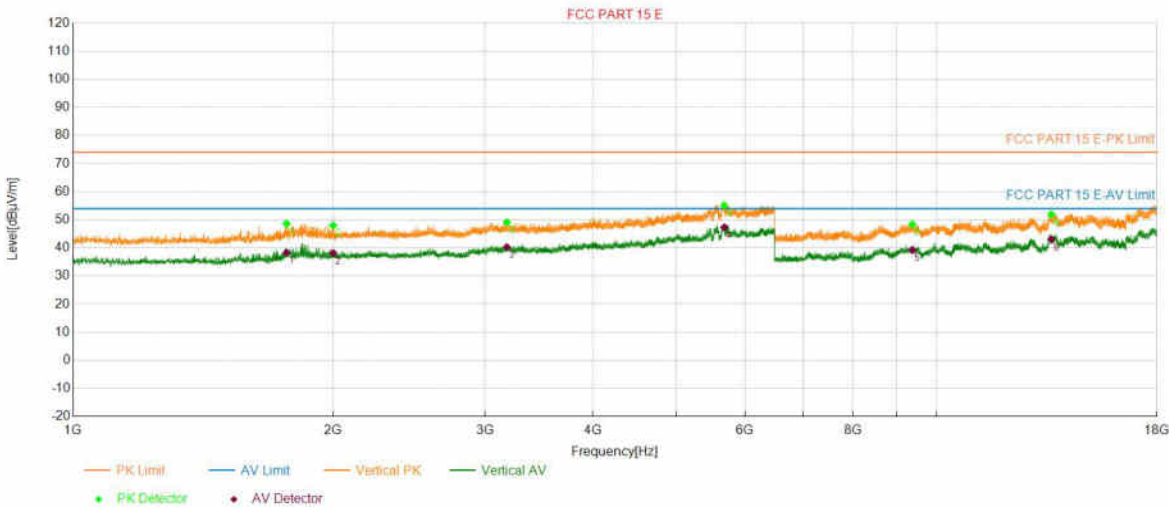
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1800.3300	49.61	74.00	24.39	38.93	54.00	15.07	150	138	Horizontal
2	2196.3696	47.66	74.00	26.34	40.12	54.00	13.88	150	155	Horizontal
3	3215.6216	48.91	74.00	25.09	38.62	54.00	15.38	150	20	Horizontal
4	5578.6579	56.23	74.00	17.77	46.97	54.00	7.03	150	272	Horizontal
5	10791.0791	50.94	74.00	23.06	42.45	54.00	11.55	150	360	Horizontal
6	14363.3363	51.53	74.00	22.47	42.92	54.00	11.08	150	198	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5580	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:52:30

Test Graph



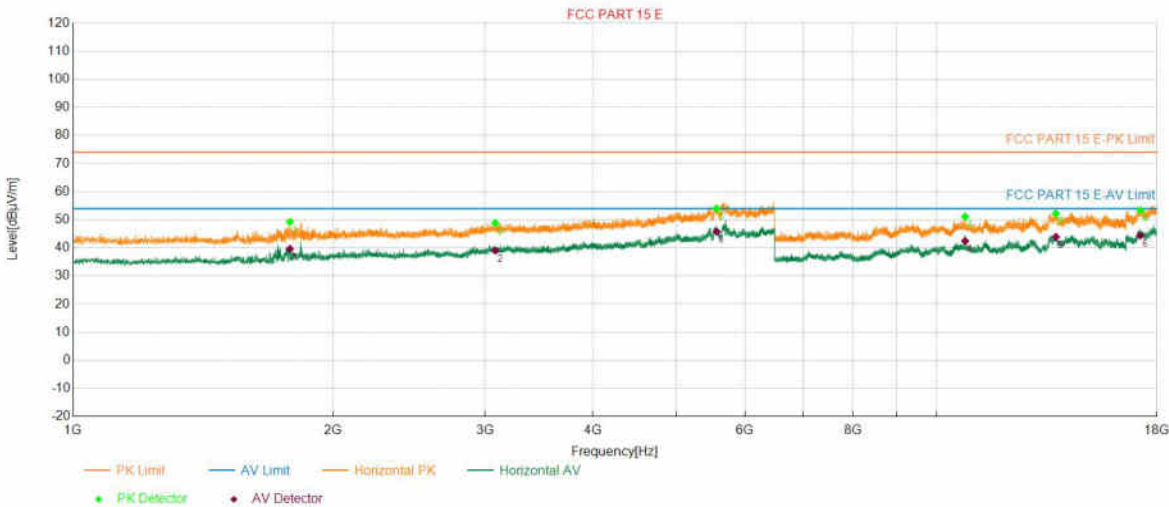
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1766.7767	48.58	74.00	25.42	38.26	54.00	15.74	150	2	Vertical
2	2000.5501	47.98	74.00	26.02	38.16	54.00	15.84	150	208	Vertical
3	3178.7679	49.11	74.00	24.89	40.28	54.00	13.72	150	156	Vertical
4	5676.0176	55.09	74.00	18.91	47.28	54.00	6.72	150	266	Vertical
5	9374.1374	48.31	74.00	25.69	39.19	54.00	14.81	150	309	Vertical
6	13577.8078	51.87	74.00	22.13	43.06	54.00	10.94	150	144	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5700	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:56:48

Test Graph



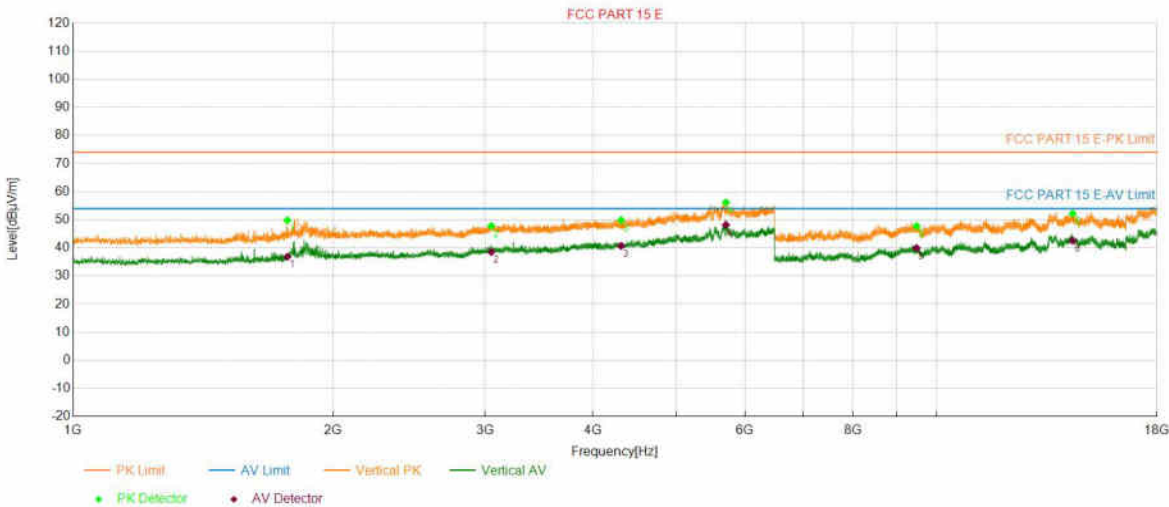
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1782.7283	49.26	74.00	24.74	39.64	54.00	14.36	150	146	Horizontal
2	3082.5083	48.81	74.00	25.19	39.03	54.00	14.97	150	4	Horizontal
3	5561.6062	54.03	74.00	19.97	45.84	54.00	8.16	150	28	Horizontal
4	10791.0791	51.10	74.00	22.90	42.44	54.00	11.56	150	210	Horizontal
5	13743.4243	52.17	74.00	21.83	43.89	54.00	10.11	150	210	Horizontal
6	17212.1712	53.36	74.00	20.64	44.36	54.00	9.64	150	174	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5700	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 16:58:10

Test Graph



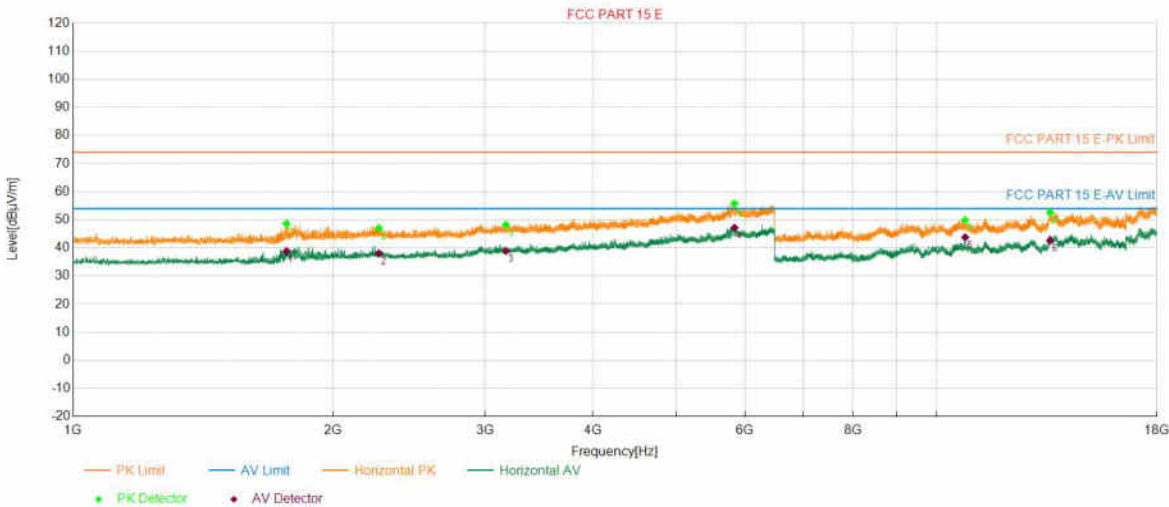
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1770.6271	49.82	74.00	24.18	36.83	54.00	17.17	150	163	Vertical
2	3050.0550	47.80	74.00	26.20	38.53	54.00	15.47	150	252	Vertical
3	4310.7811	49.86	74.00	24.14	40.69	54.00	13.31	150	4	Vertical
4	5701.3201	56.16	74.00	17.84	48.16	54.00	5.84	150	183	Vertical
5	9479.9480	47.73	74.00	26.27	39.93	54.00	14.07	150	340	Vertical
6	14371.3871	52.18	74.00	21.82	42.55	54.00	11.45	150	353	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5745	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 17:07:02

Test Graph



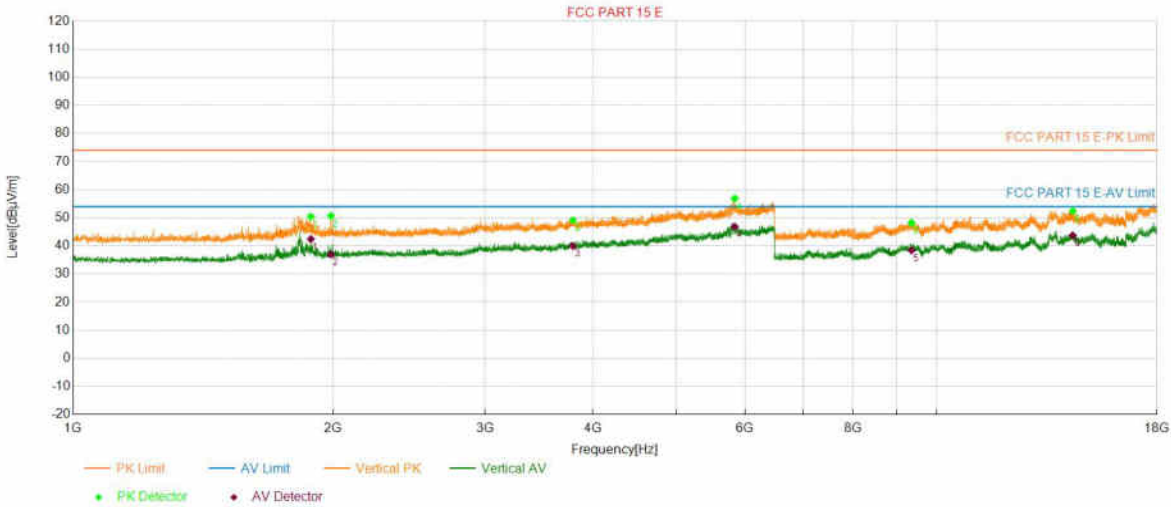
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1766.2266	48.59	74.00	25.41	38.79	54.00	15.21	150	138	Horizontal
2	2259.6260	47.01	74.00	26.99	38.04	54.00	15.96	150	156	Horizontal
3	3171.0671	48.17	74.00	25.83	38.86	54.00	15.14	150	114	Horizontal
4	5832.2332	55.77	74.00	18.23	47.16	54.00	6.84	150	162	Horizontal
5	10792.2292	49.91	74.00	24.09	43.76	54.00	10.24	150	360	Horizontal
6	13532.9533	52.57	74.00	21.43	42.60	54.00	11.40	150	121	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5745	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 17:08:24

Test Graph



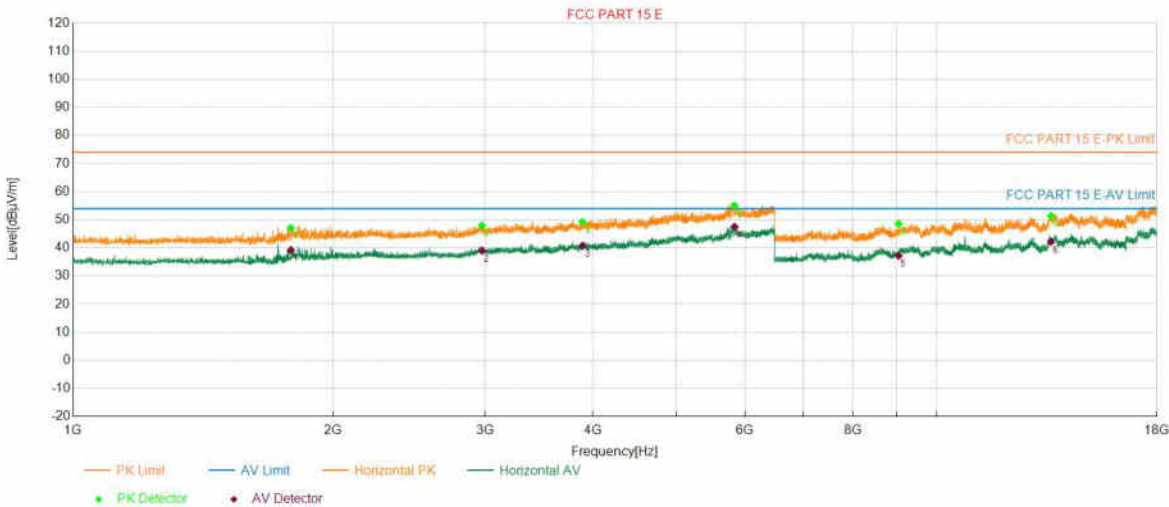
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1885.0385	50.40	74.00	23.60	42.42	54.00	11.58	150	342	Vertical
2	1988.9989	50.66	74.00	23.34	36.93	54.00	17.07	150	165	Vertical
3	3791.5292	49.12	74.00	24.88	39.95	54.00	14.05	150	301	Vertical
4	5835.5336	56.84	74.00	17.16	46.83	54.00	7.17	150	252	Vertical
5	9352.2852	48.21	74.00	25.79	38.41	54.00	15.59	150	360	Vertical
6	14375.9876	52.40	74.00	21.60	43.71	54.00	10.29	150	297	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5785	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 17:12:43

Test Graph



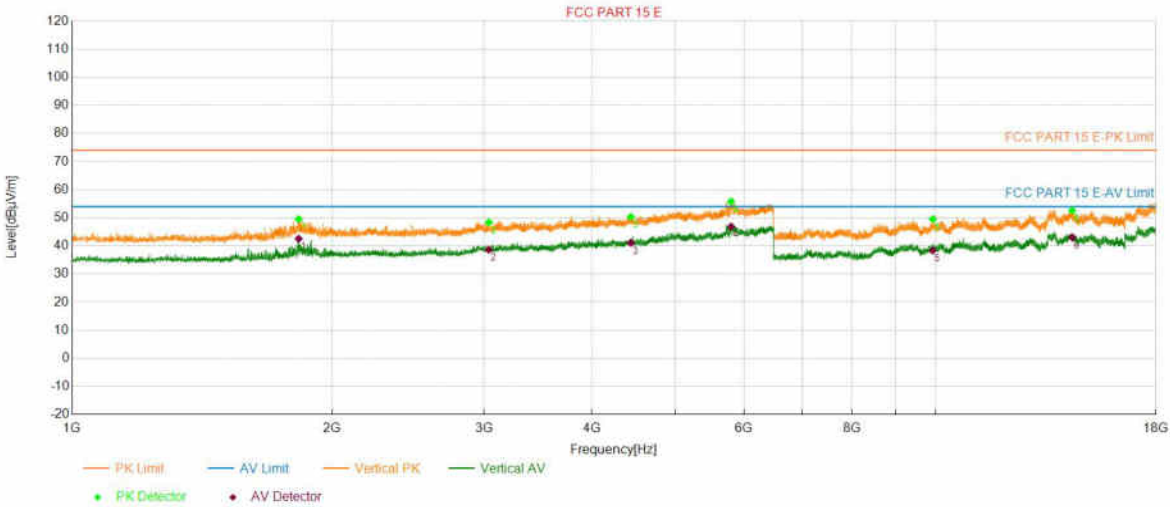
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1787.1287	47.08	74.00	26.92	39.24	54.00	14.76	150	143	Horizontal
2	2974.6975	47.95	74.00	26.05	38.97	54.00	15.03	150	136	Horizontal
3	3889.9890	49.23	74.00	24.77	40.74	54.00	13.26	150	27	Horizontal
4	5833.3333	55.05	74.00	18.95	47.52	54.00	6.48	150	358	Horizontal
5	9034.8535	48.53	74.00	25.47	37.21	54.00	16.79	150	219	Horizontal
6	13567.4567	51.33	74.00	22.67	42.18	54.00	11.82	150	342	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5785	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 17:14:05

Test Graph



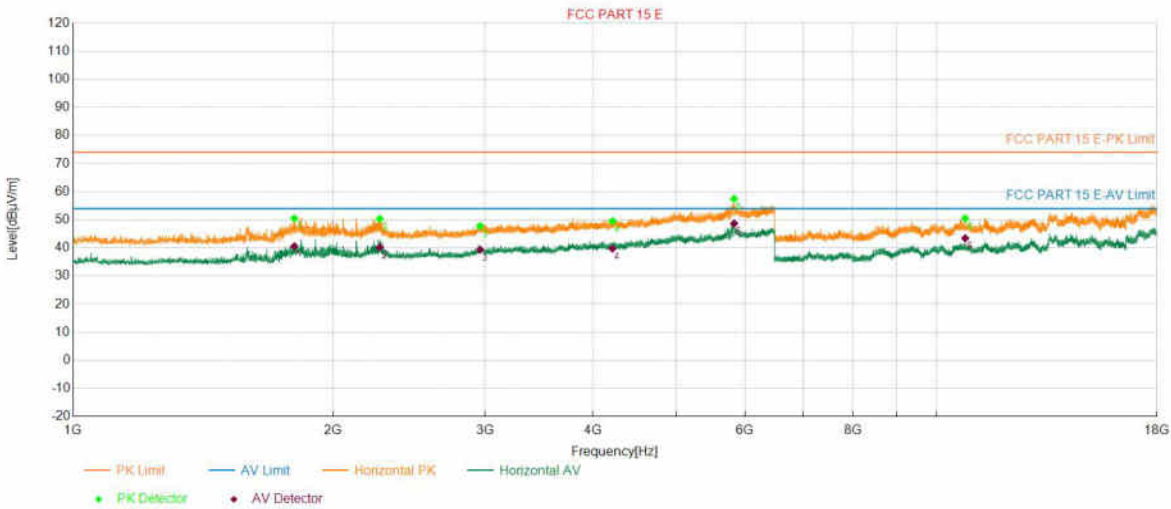
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1829.4829	49.53	74.00	24.47	42.53	54.00	11.47	150	126	Vertical
2	3038.5039	48.38	74.00	25.62	38.62	54.00	15.38	150	31	Vertical
3	4437.2937	50.31	74.00	23.69	41.07	54.00	12.93	150	24	Vertical
4	5796.4796	55.80	74.00	18.20	46.82	54.00	7.18	150	120	Vertical
5	9925.0425	49.51	74.00	24.49	38.35	54.00	15.65	150	193	Vertical
6	14394.3894	52.59	74.00	21.41	43.03	54.00	10.97	150	159	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5825	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 17:17:16

Test Graph



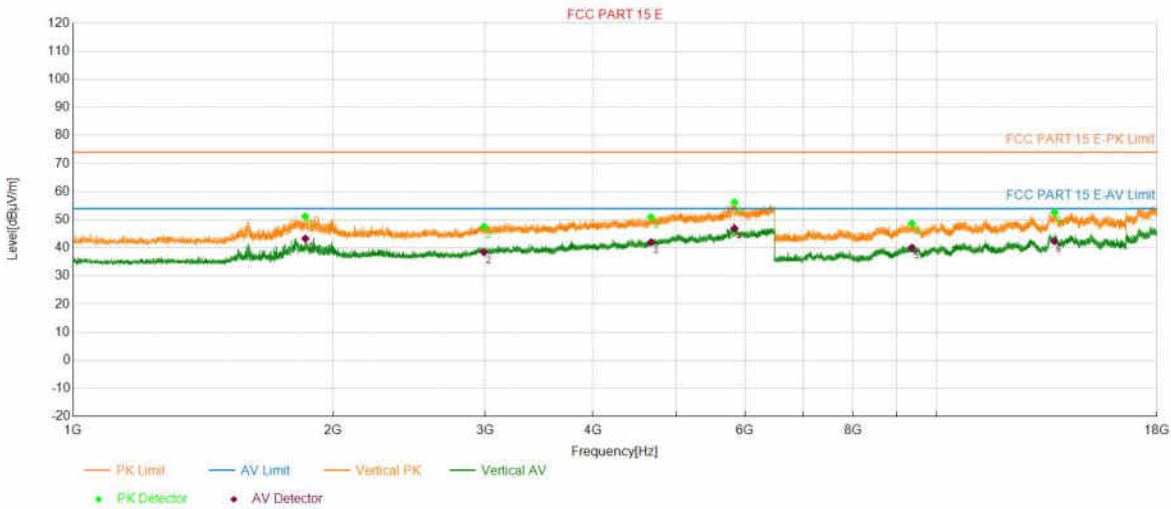
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1803.6304	50.50	74.00	23.50	40.57	54.00	13.43	150	142	Horizontal
2	2265.1265	50.32	74.00	23.68	40.17	54.00	13.83	150	156	Horizontal
3	2960.3960	47.76	74.00	26.24	39.32	54.00	14.68	150	156	Horizontal
4	4212.8713	49.55	74.00	24.45	39.73	54.00	14.27	150	336	Horizontal
5	5826.7327	57.41	74.00	16.59	48.67	54.00	5.33	150	268	Horizontal
6	10792.2292	50.53	74.00	23.47	43.41	54.00	10.59	150	167	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IGPCModule		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5825	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power set: 12		
Test Standard: FCC PART 15 E			

Start of Test:2024-07-19 17:18:39

Test Graph



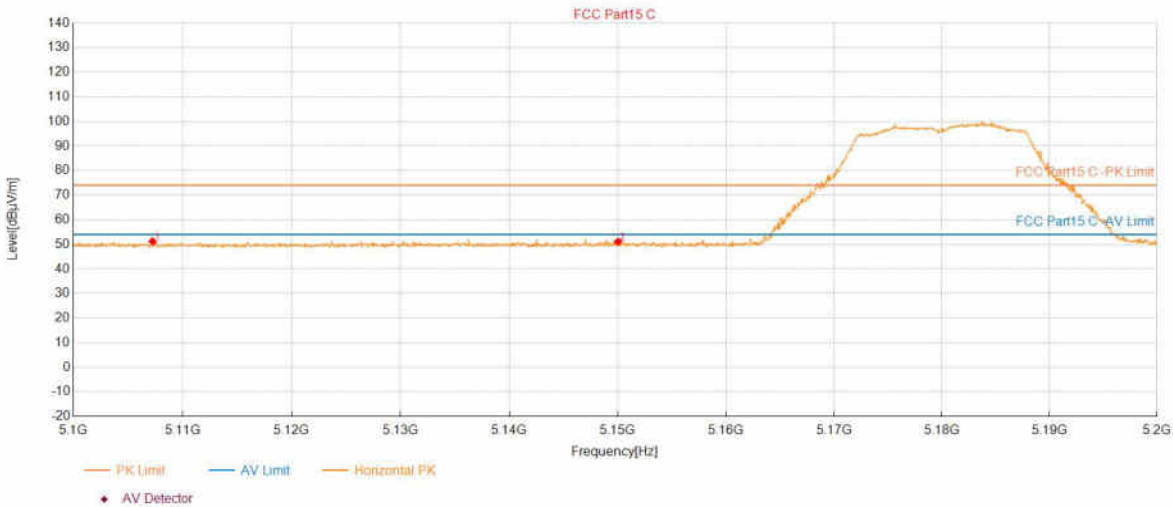
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1857.5358	51.20	74.00	22.80	43.31	54.00	10.69	150	121	Vertical
2	2991.1991	47.56	74.00	26.44	38.37	54.00	15.63	150	0	Vertical
3	4668.8669	50.96	74.00	23.04	41.96	54.00	12.04	150	288	Vertical
4	5832.7833	56.24	74.00	17.76	46.93	54.00	7.07	150	264	Vertical
5	9361.4861	48.66	74.00	25.34	40.06	54.00	13.94	150	276	Vertical
6	13692.8193	52.65	74.00	21.35	42.33	54.00	11.67	150	109	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 15		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:12:07

Test Graph



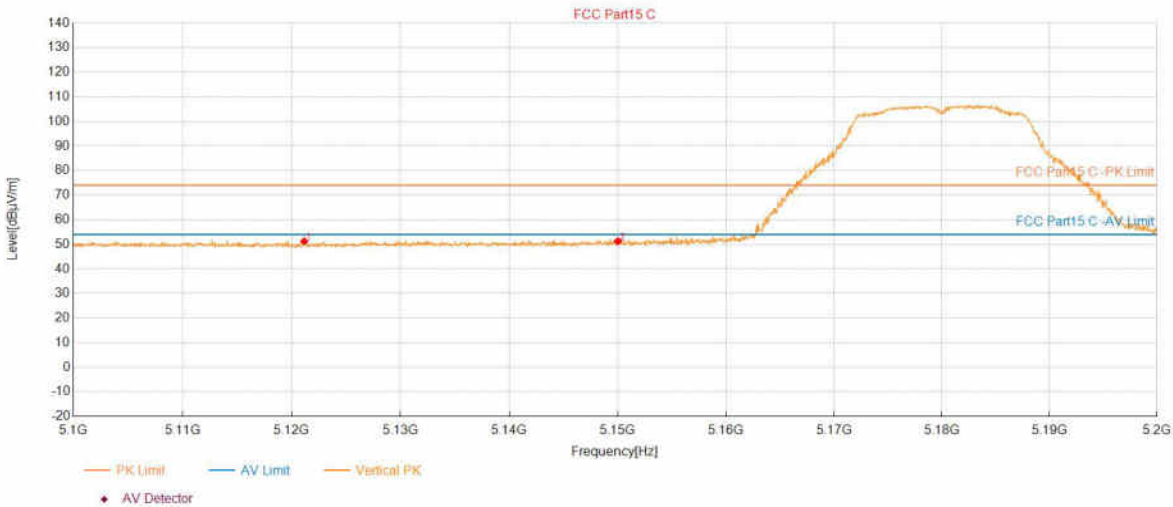
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5107.25	51.24	74.00	22.76	150	359	Horizontal
2	5150.03	51.09	74.00	22.91	150	8	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 15		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:13:04

Test Graph



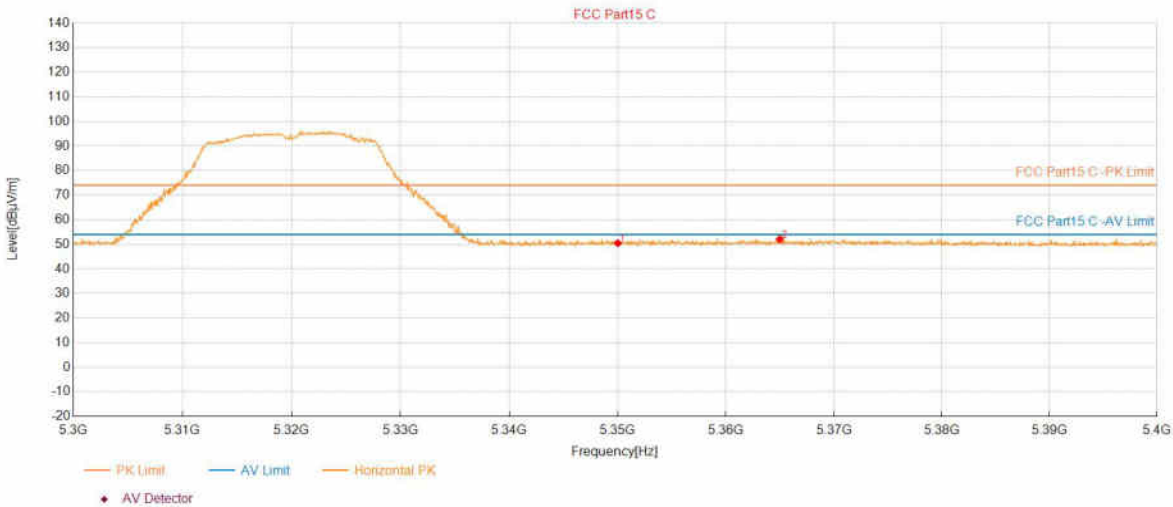
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5121.16	51.25	74.00	22.75	150	352	Vertical
2	5150.03	51.22	74.00	22.78	150	245	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5320	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 13		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:32:12

Test Graph



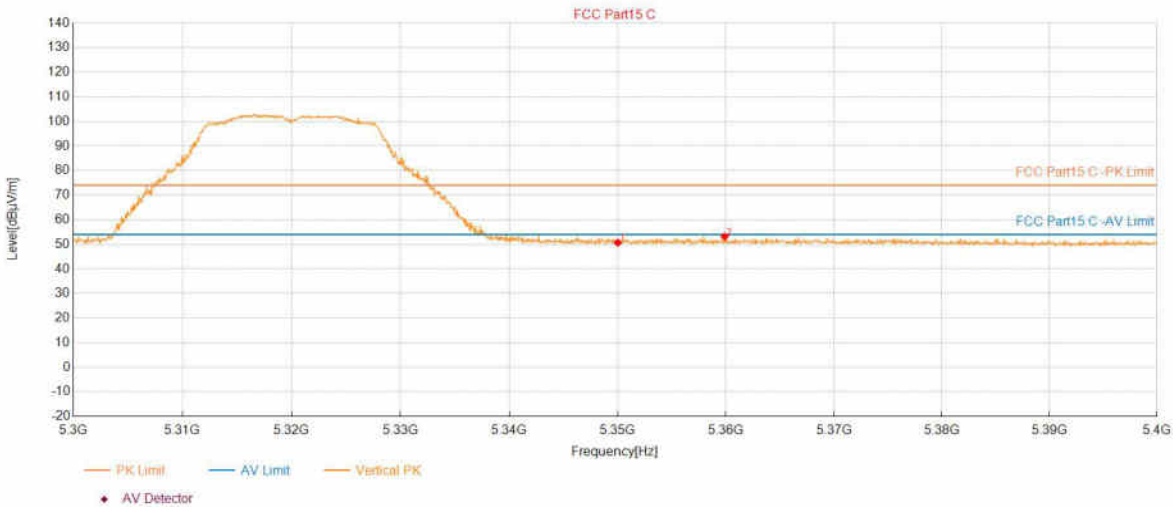
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5350.03	50.45	74.00	23.55	150	358	Horizontal
2	5364.98	52.10	74.00	21.90	150	87	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5320	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 13		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:32:57

Test Graph



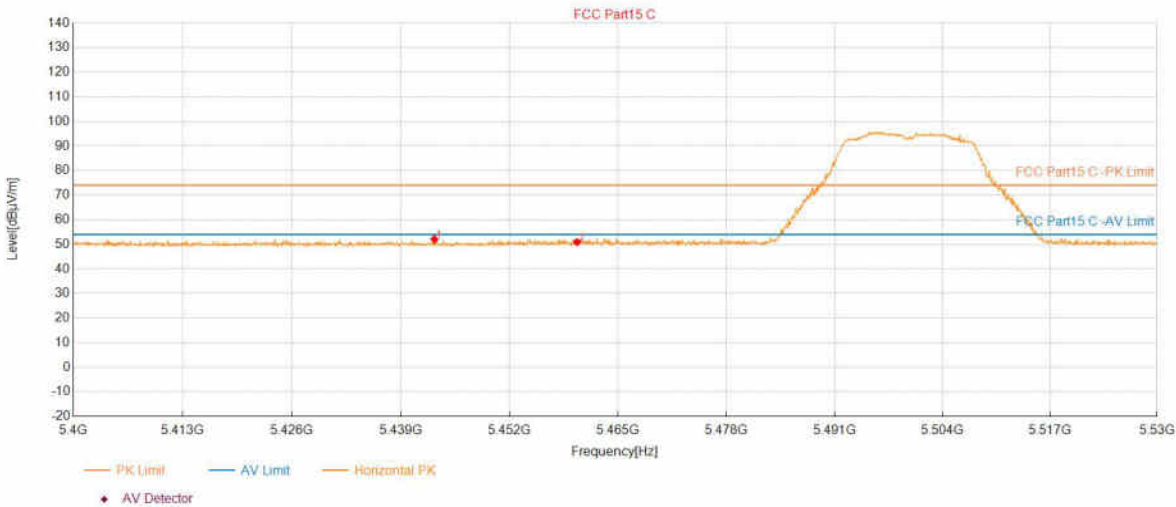
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5350.03	50.69	74.00	23.31	150	296	Vertical
2	5359.88	53.18	74.00	20.82	150	296	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5500	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 12		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:35:37

Test Graph



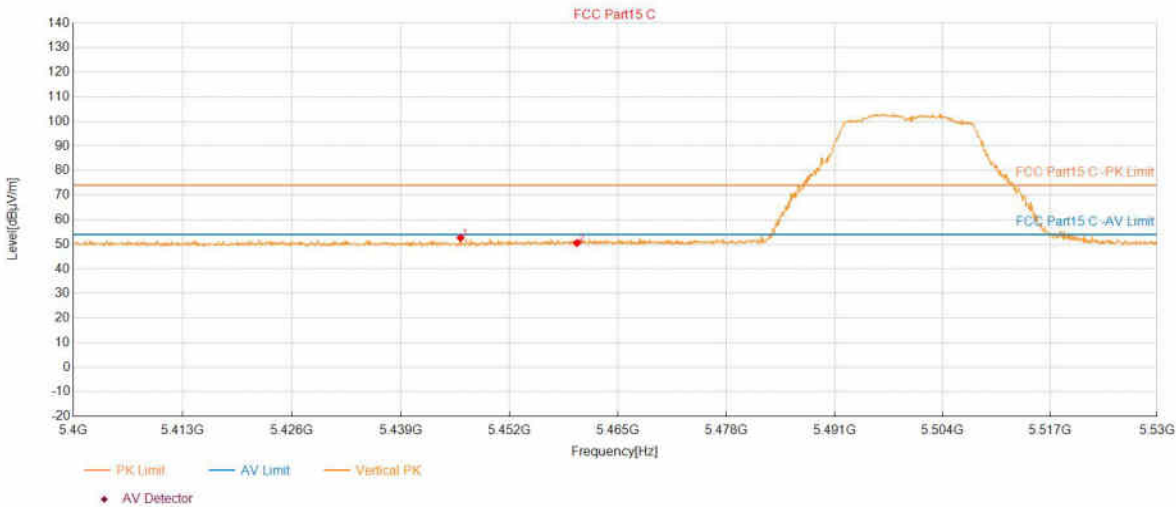
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5442.99	52.11	74.00	21.89	150	267	Horizontal
2	5460.03	50.91	74.00	23.09	150	3	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5500	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 12		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:36:23

Test Graph



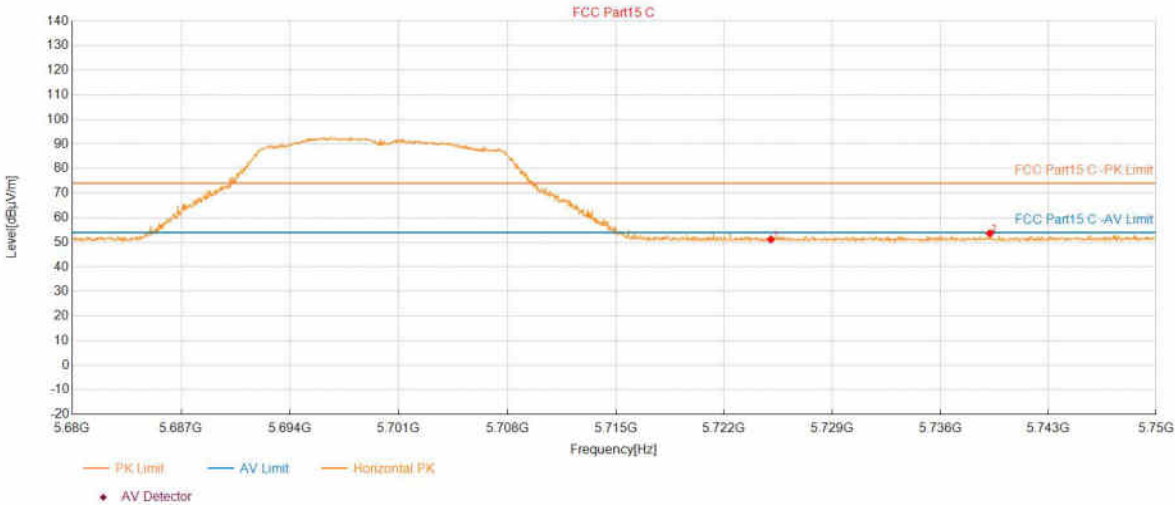
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5446.11	52.61	74.00	21.39	150	219	Vertical
2	5460.03	50.50	74.00	23.50	150	43	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5700	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 12		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:39:52

Test Graph



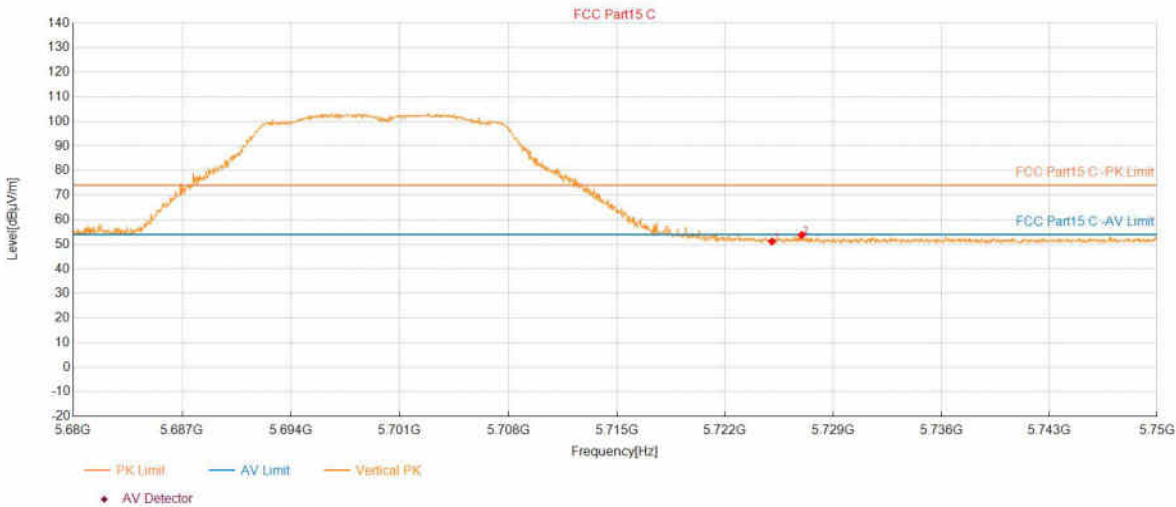
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5725.03	51.17	74.00	22.83	150	356	Horizontal
2	5739.21	53.61	74.00	20.39	150	191	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11A_5700	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 12		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:40:37

Test Graph



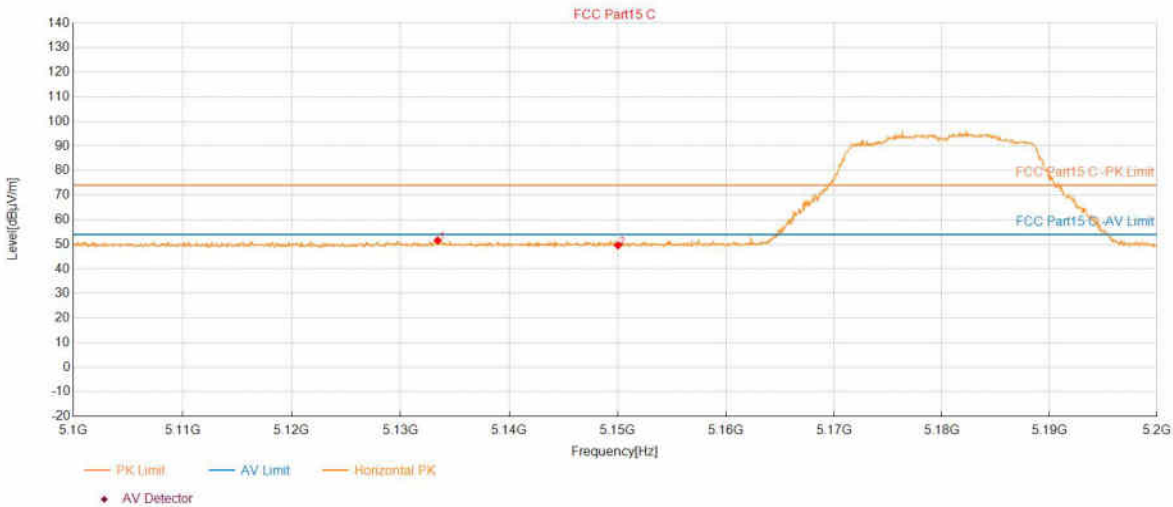
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5725.03	51.16	74.00	22.84	150	303	Vertical
2	5726.96	53.74	74.00	20.26	150	78	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11N20_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 10		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:48:08

Test Graph



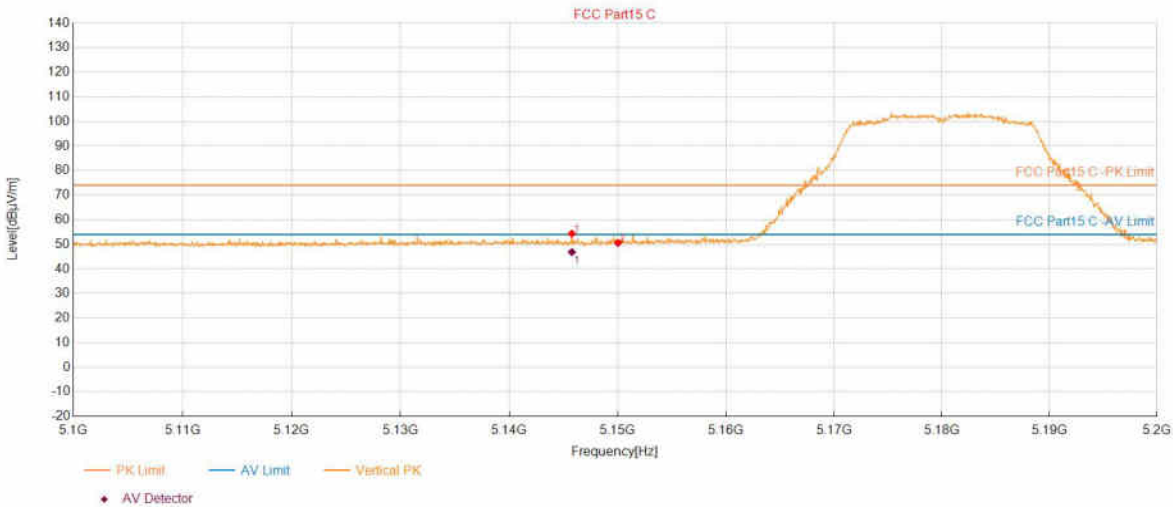
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5133.42	51.59	74.00	22.41	150	345	Horizontal
2	5150.03	49.56	74.00	24.44	150	3	Horizontal

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11N20_5180	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 10		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 10:48:53

Test Graph



Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5145.77	54.35	74.00	19.65	150	61	Vertical
2	5150.03	50.55	74.00	23.45	150	263	Vertical

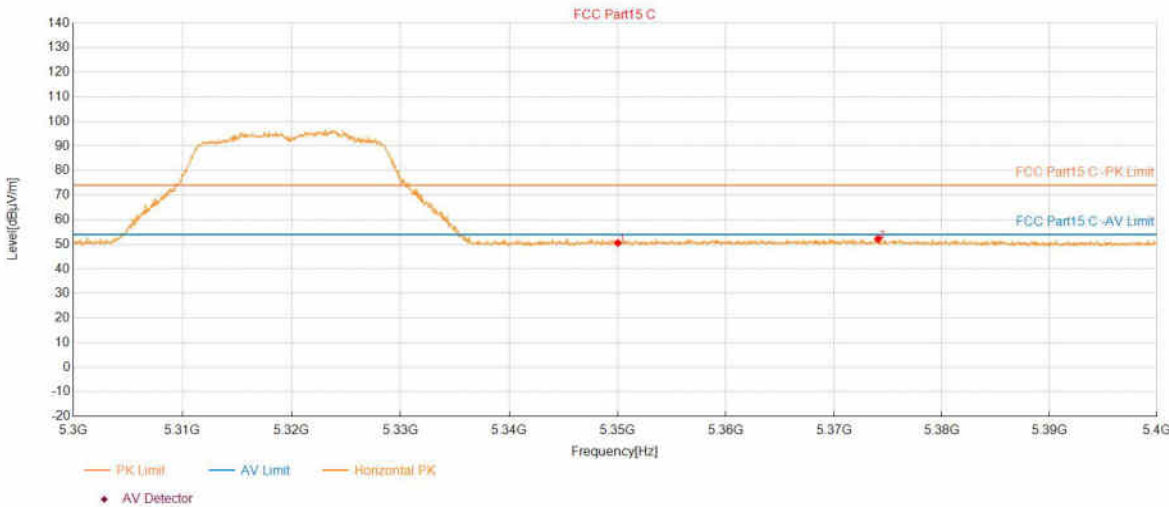
PK Final Data List								
NO.	Frequency (MHz)	Factor (dB/m)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5145.7756	14.85	46.84	54.00	7.16	124.8	294	Vertical

Test Report

Project Information			
Customer:			
EUT:	PC27IG PC Module		
Model:	CTI-PCOPS-PC27-IG	SN:	
Mode:	11N20_5320	Voltage:	DC 19V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set: 10		
Test Standard: FCC Part15 C			

Start of Test:2024-07-20 11:03:10

Test Graph



Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5350.03	50.56	74.00	23.44	150	185	Horizontal
2	5374.09	52.17	74.00	21.83	150	250	Horizontal