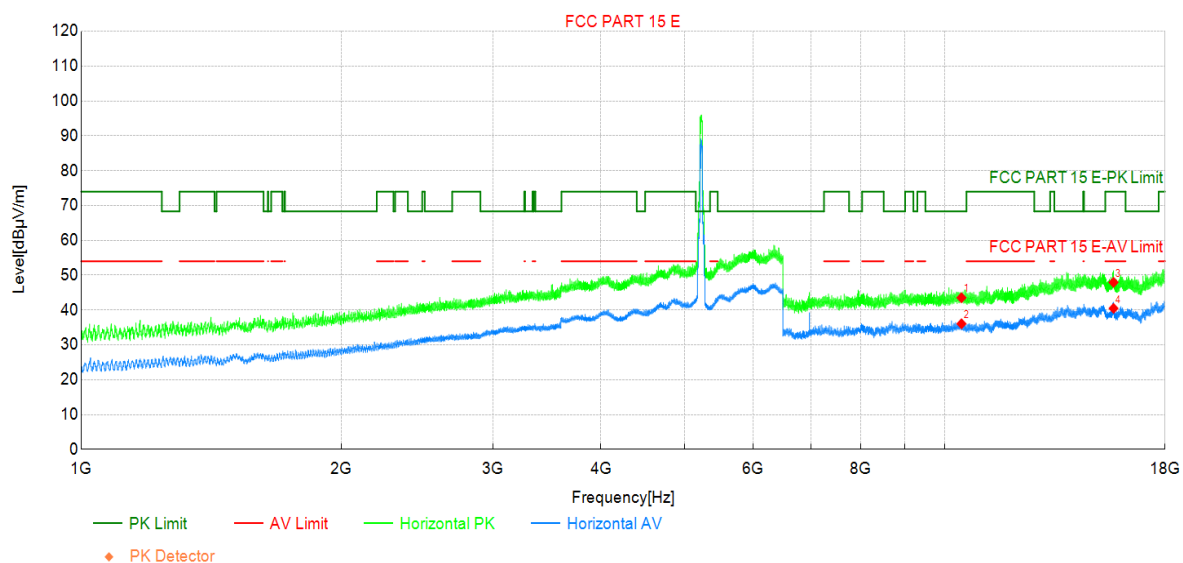


Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5230MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

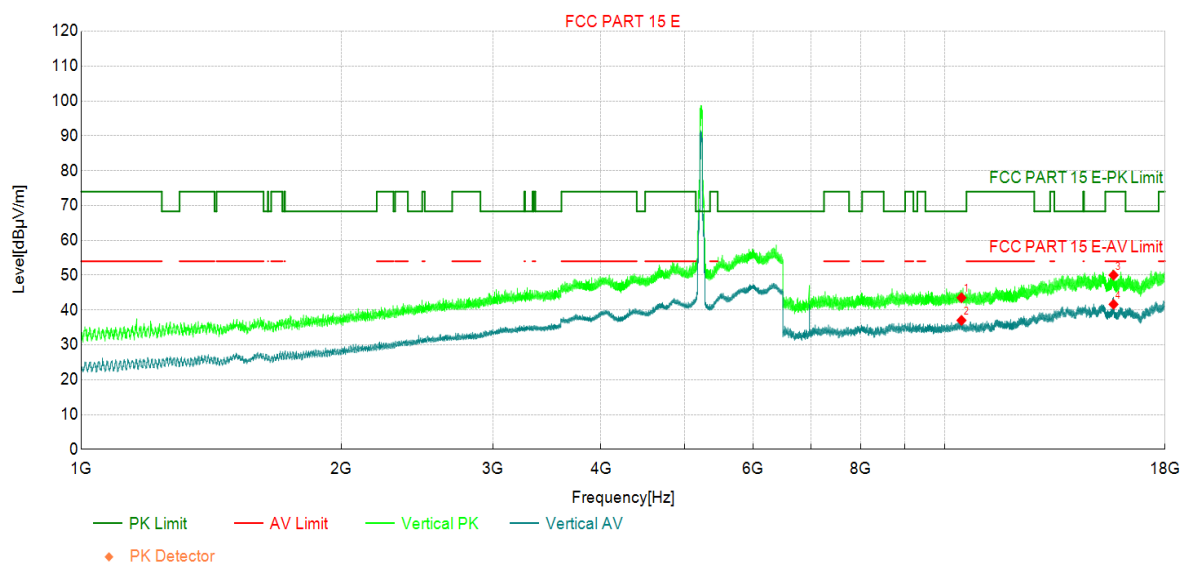
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10460.00	36.87	43.54	6.67	68.30	24.76	PK	Horizo	PASS
2	10460.00	29.38	36.05	6.67	-	-	AV	Horizo	NA
3	15690.00	33.52	47.93	14.41	74.00	26.07	PK	Horizo	PASS
4	15690.00	26.06	40.47	14.41	54.00	13.53	AV	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5230MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

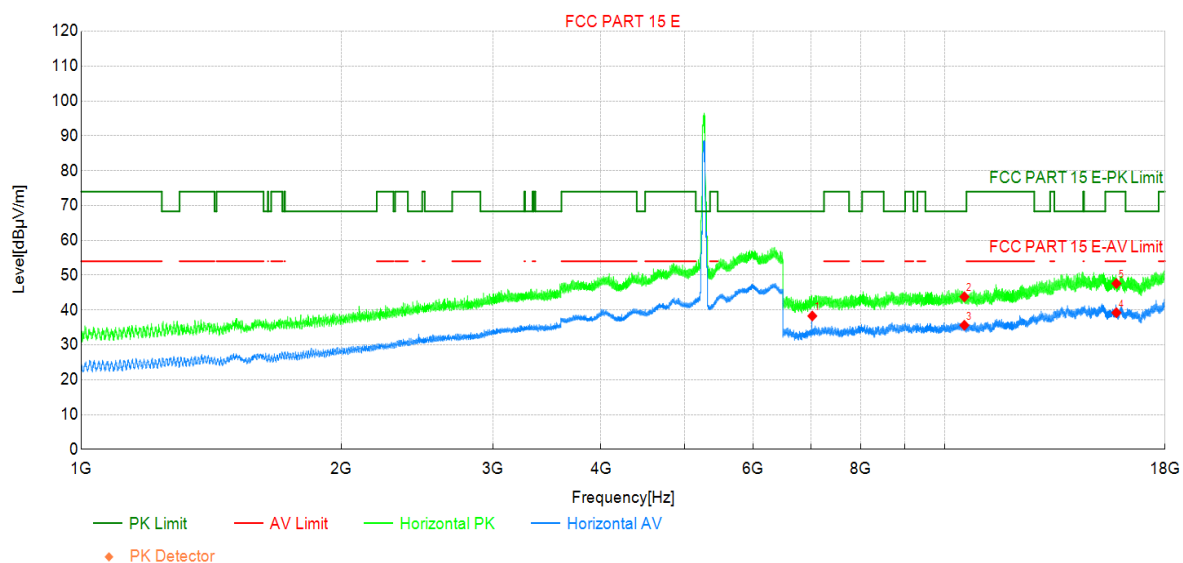
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10460.00	36.87	43.54	6.67	68.30	24.76	PK	Vertic	PASS
2	10460.00	30.36	37.03	6.67	-	-	AV	Vertic	NA
3	15690.00	35.60	50.01	14.41	74.00	23.99	PK	Vertic	PASS
4	15690.00	27.22	41.63	14.41	54.00	12.37	AV	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5270MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

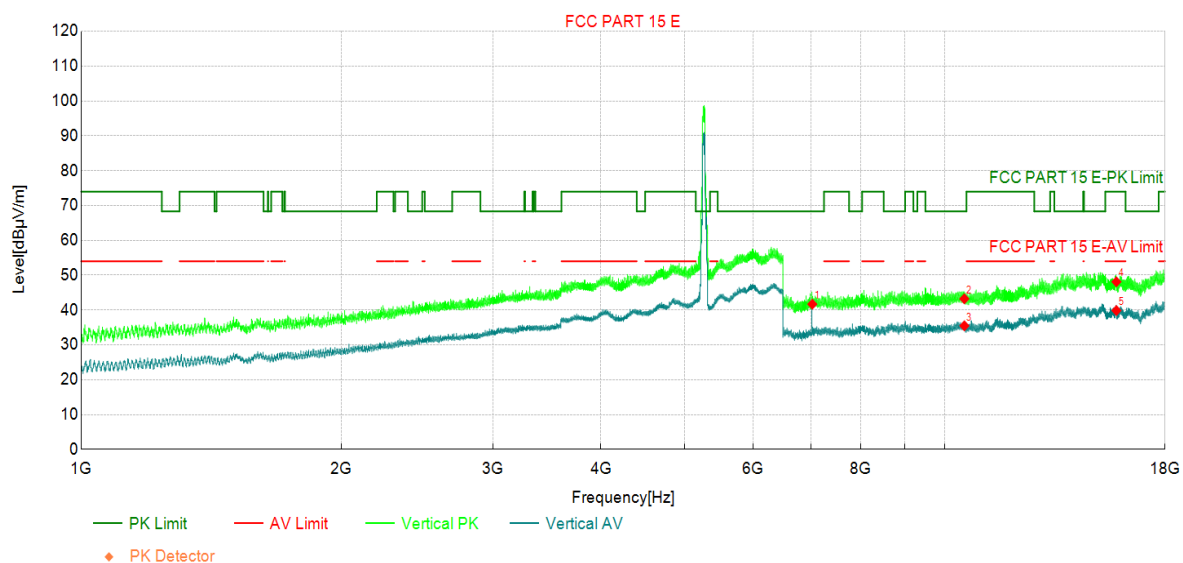
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7027.08	35.81	38.29	2.48	-	-	AV	Horizo	NA
2	10540.00	37.04	43.80	6.76	68.30	24.50	PK	Horizo	PASS
3	10540.00	28.87	35.63	6.76	-	-	AV	Horizo	NA
4	15810.00	25.21	39.22	14.01	54.00	14.78	AV	Horizo	PASS
5	15810.00	33.60	47.61	14.01	74.00	26.39	PK	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5270MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

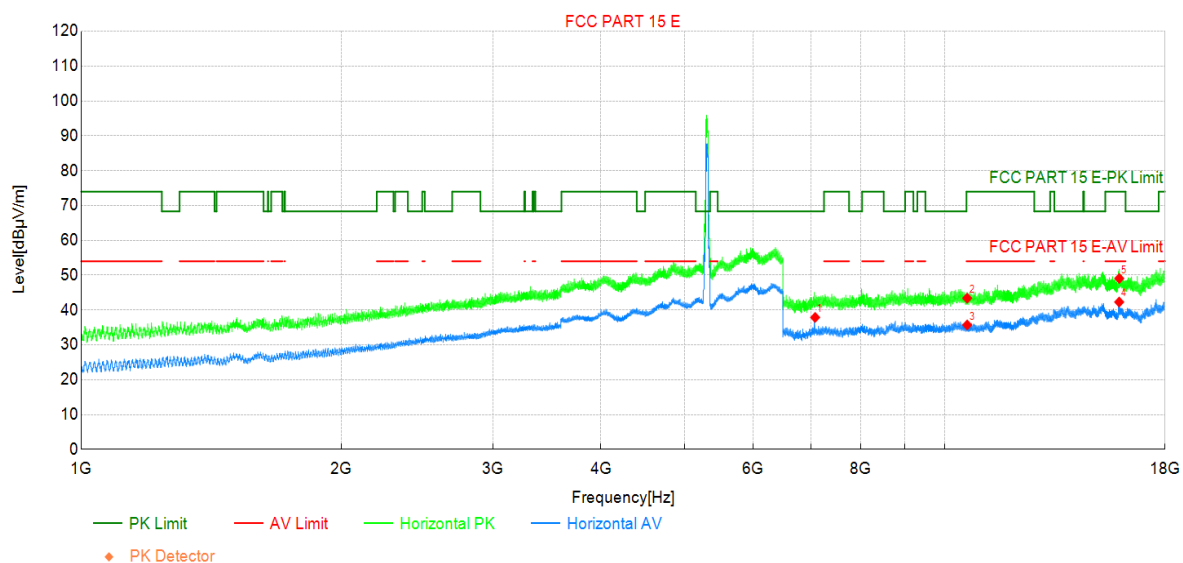
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7027.08	39.20	41.68	2.48	-	-	AV	Vertic	NA
2	10540.00	36.46	43.22	6.76	68.30	25.08	PK	Vertic	PASS
3	10540.00	28.71	35.47	6.76	-	-	AV	Vertic	NA
4	15810.00	34.09	48.10	14.01	74.00	25.90	PK	Vertic	PASS
5	15810.00	25.84	39.85	14.01	54.00	14.15	AV	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5310MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

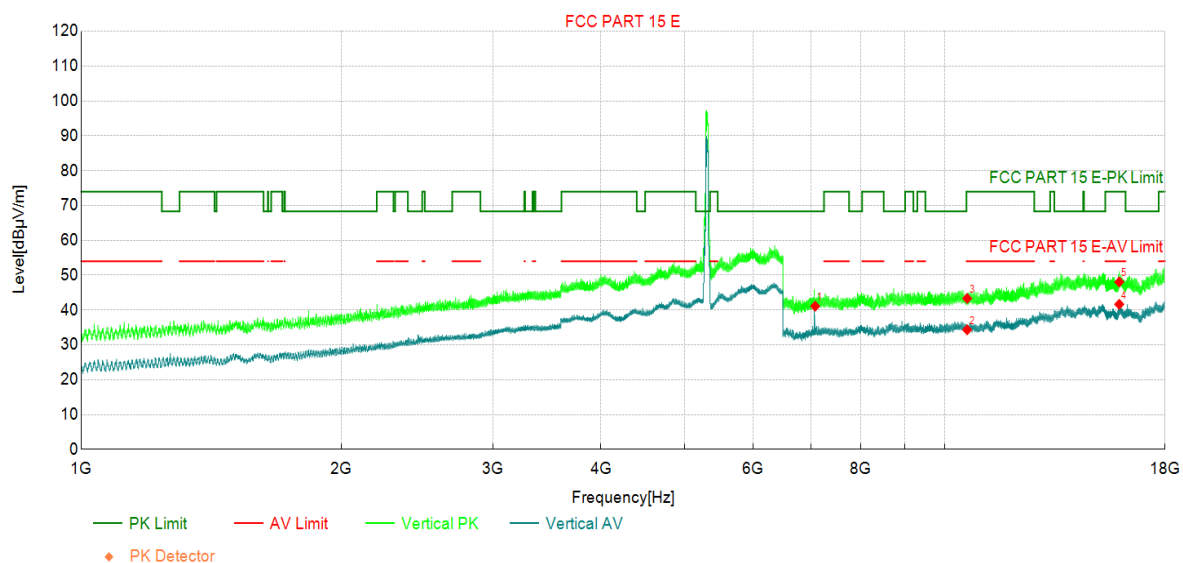
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7080.27	35.07	37.87	2.80	-	-	AV	Horizo	NA
2	10620.00	36.62	43.41	6.79	74.00	30.59	PK	Horizo	PASS
3	10620.00	28.91	35.70	6.79	54.00	18.30	AV	Horizo	PASS
4	15929.04	27.93	42.29	14.36	54.00	11.71	AV	Horizo	PASS
5	15930.00	34.69	49.06	14.37	74.00	24.94	PK	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5310MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

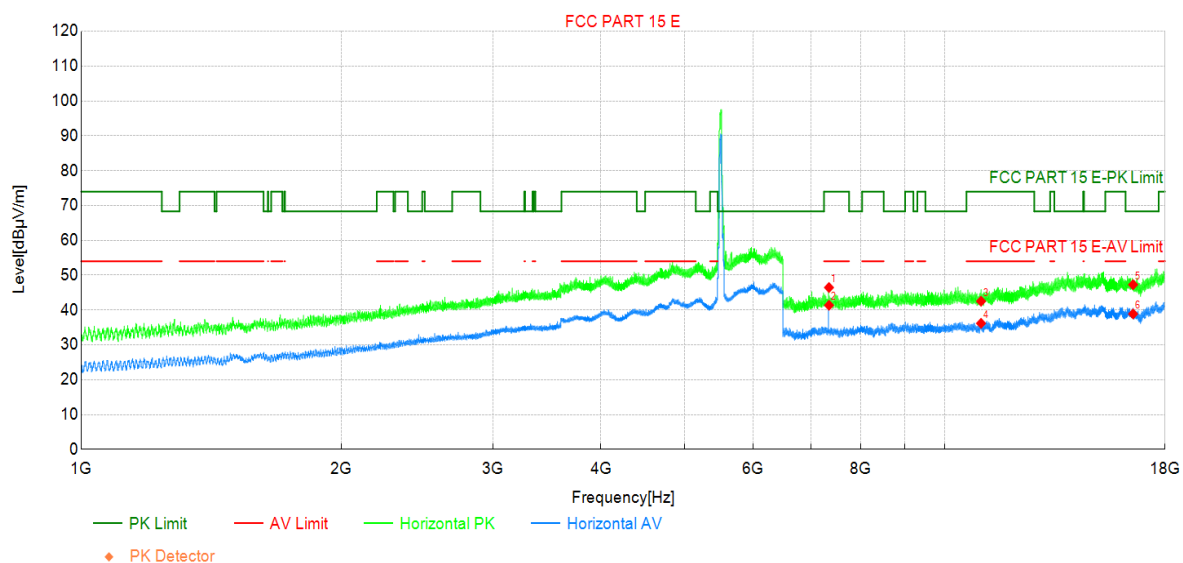
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7080.27	38.29	41.09	2.80	-	-	AV	Vertic	NA
2	10620.00	27.54	34.33	6.79	54.00	19.67	AV	Vertic	PASS
3	10620.00	36.54	43.33	6.79	74.00	30.67	PK	Vertic	PASS
4	15930.00	27.27	41.64	14.37	54.00	12.36	AV	Vertic	PASS
5	15930.00	33.70	48.07	14.37	74.00	25.93	PK	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5510MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

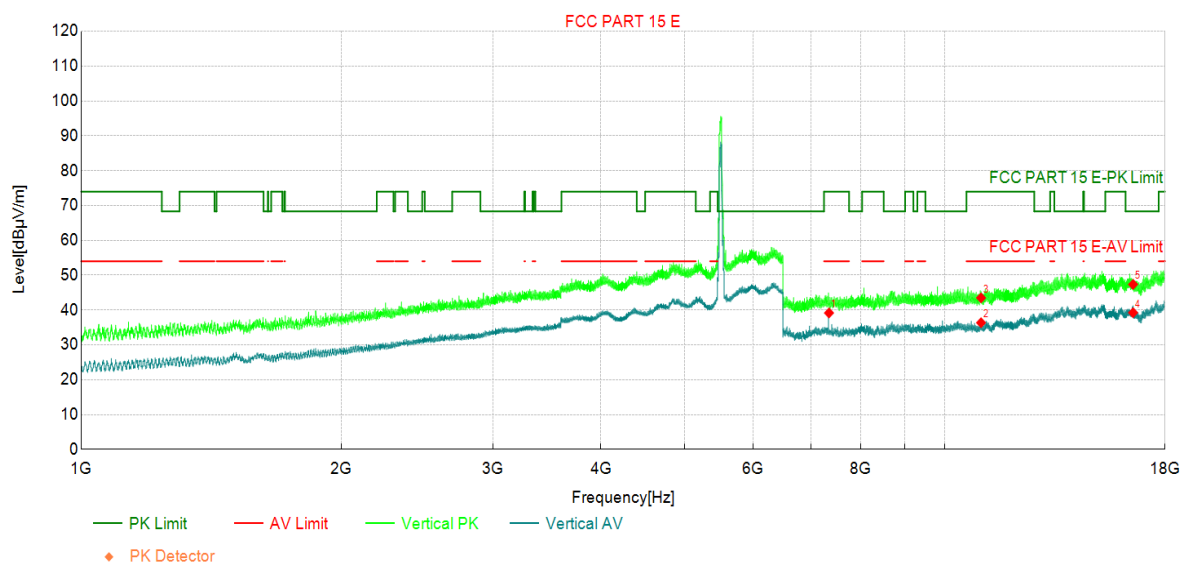
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7346.69	43.35	46.46	3.11	74.00	27.54	PK	Horizo	PASS
2	7347.17	38.25	41.36	3.11	54.00	12.64	AV	Horizo	PASS
3	11020.00	35.28	42.53	7.25	74.00	31.47	PK	Horizo	PASS
4	11020.00	28.93	36.18	7.25	54.00	17.82	AV	Horizo	PASS
5	16530.00	32.26	47.27	15.01	68.30	21.03	PK	Horizo	PASS
6	16530.00	23.87	38.88	15.01	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5510MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

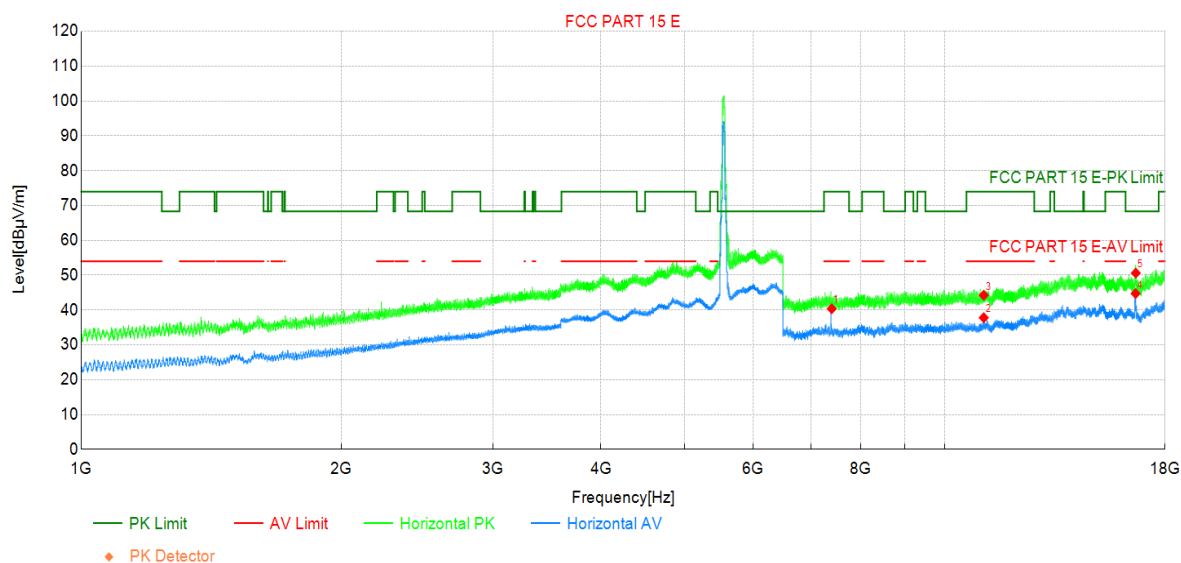
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7347.17	36.05	39.16	3.11	54.00	14.84	AV	Vertic	PASS
2	11020.00	29.10	36.35	7.25	54.00	17.65	AV	Vertic	PASS
3	11020.00	36.23	43.48	7.25	74.00	30.52	PK	Vertic	PASS
4	16530.00	24.23	39.24	15.01	-	-	AV	Vertic	NA
5	16530.00	32.34	47.35	15.01	68.30	20.95	PK	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5550MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

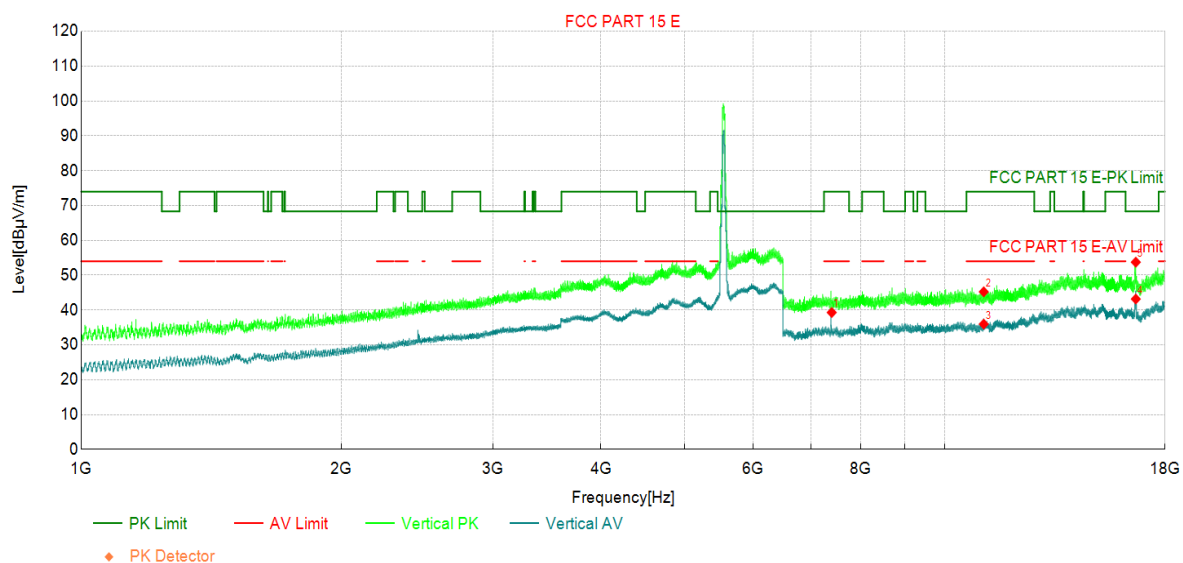
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7400.35	37.46	40.36	2.90	54.00	13.64	AV	Horizo	PASS
2	11100.00	31.13	37.79	6.66	54.00	16.21	AV	Horizo	PASS
3	11100.00	37.58	44.24	6.66	74.00	29.76	PK	Horizo	PASS
4	16640.60	30.02	44.73	14.71	-	-	AV	Horizo	NA
5	16650.00	35.92	50.61	14.69	68.30	17.69	PK	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5550MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

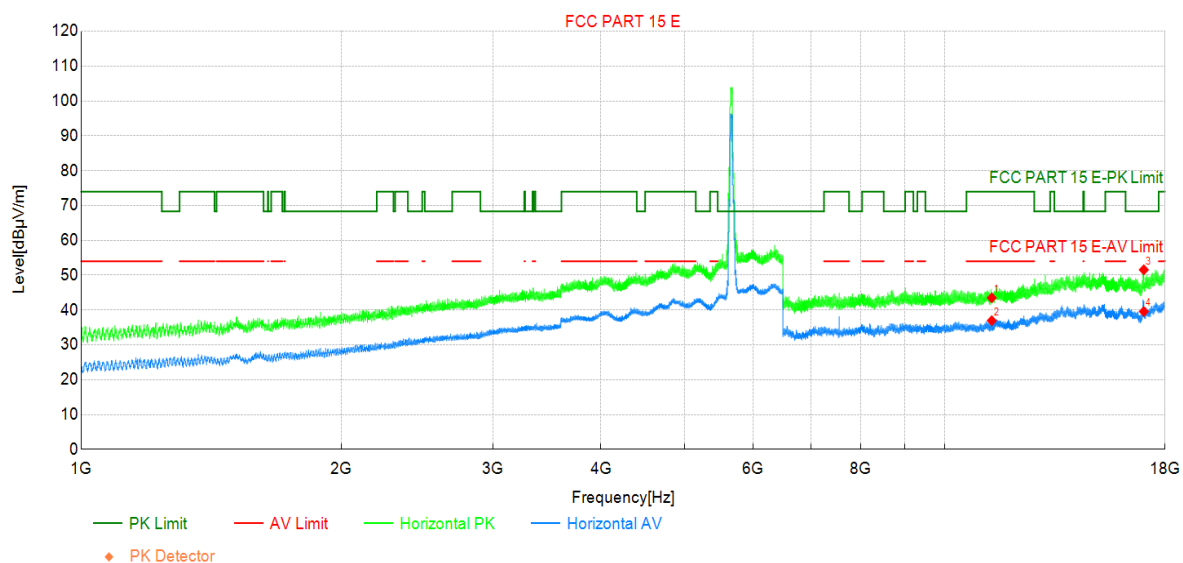
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7400.35	36.39	39.29	2.90	54.00	14.71	AV	Vertic	PASS
2	11100.00	38.57	45.23	6.66	74.00	28.77	PK	Vertic	PASS
3	11100.00	29.29	35.95	6.66	54.00	18.05	AV	Vertic	PASS
4	16650.00	28.46	43.15	14.69	-	-	AV	Vertic	NA
5	16650.00	39.04	53.73	14.69	68.30	14.57	PK	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5670MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

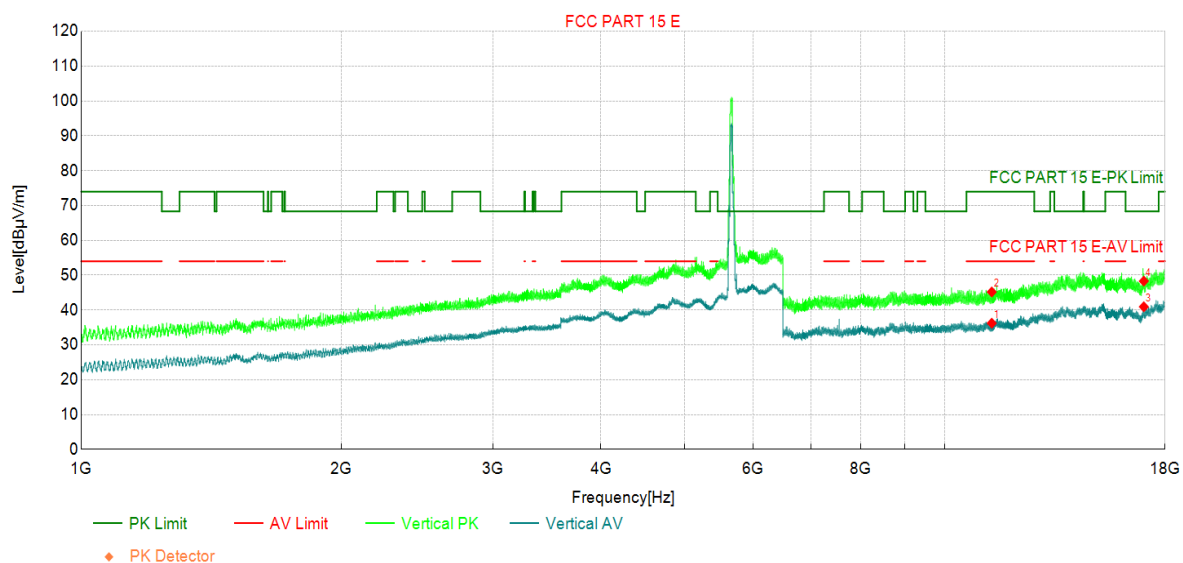
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11340.00	35.63	43.49	7.86	74.00	30.51	PK	Horizo	PASS
2	11340.00	29.08	36.94	7.86	54.00	17.06	AV	Horizo	PASS
3	17010.00	35.51	51.55	16.04	68.30	16.75	PK	Horizo	PASS
4	17010.00	23.54	39.58	16.04	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5670MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

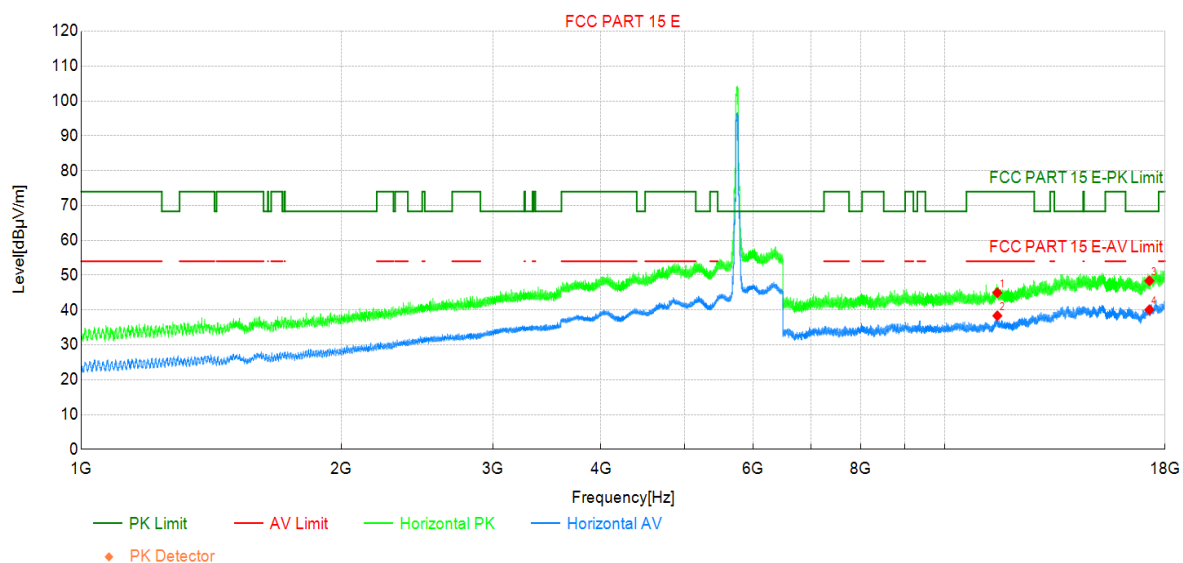
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11340.00	28.36	36.22	7.86	54.00	17.78	AV	Vertic	PASS
2	11340.00	37.31	45.17	7.86	74.00	28.83	PK	Vertic	PASS
3	17010.00	24.89	40.93	16.04	-	-	AV	Vertic	NA
4	17010.00	32.26	48.30	16.04	68.30	20.00	PK	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5755MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

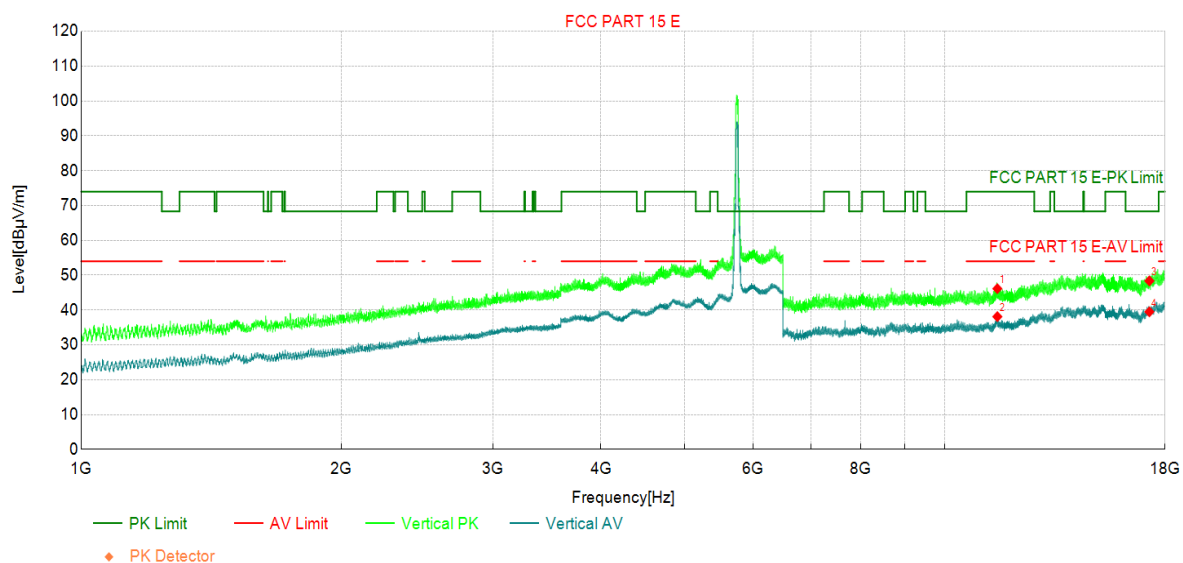
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11510.00	36.49	44.97	8.48	74.00	29.03	PK	Horizo	PASS
2	11510.00	29.87	38.35	8.48	54.00	15.65	AV	Horizo	PASS
3	17265.00	32.88	48.39	15.51	68.30	19.91	PK	Horizo	PASS
4	17265.00	24.55	40.06	15.51	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5755MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

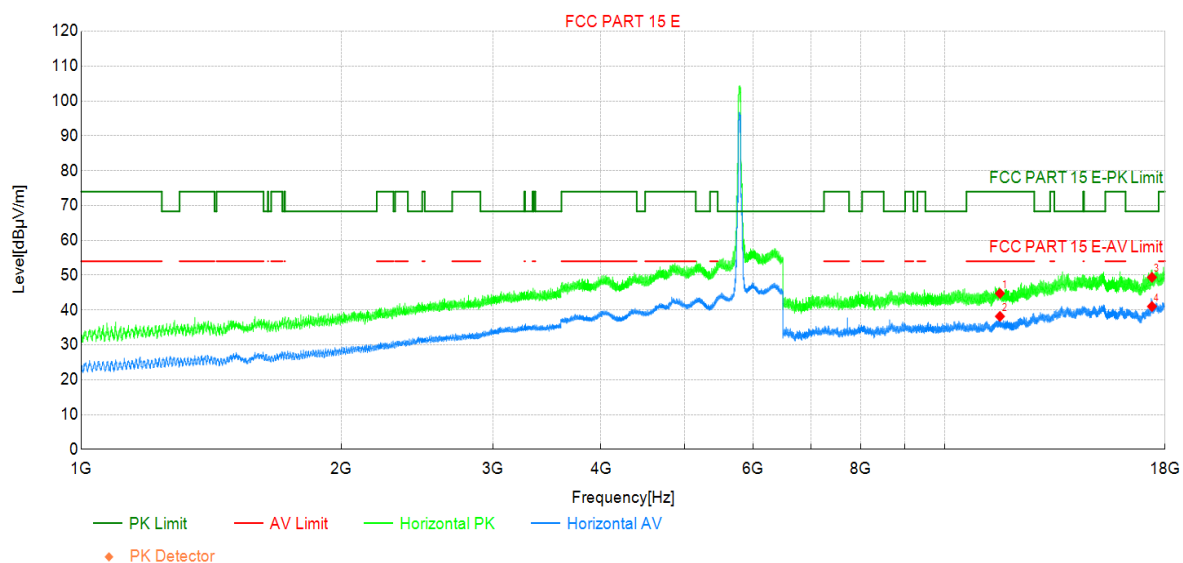
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11510.00	37.65	46.13	8.48	74.00	27.87	PK	Vertic	PASS
2	11510.00	29.61	38.09	8.48	54.00	15.91	AV	Vertic	PASS
3	17265.00	32.85	48.36	15.51	68.30	19.94	PK	Vertic	PASS
4	17265.00	23.98	39.49	15.51	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5795MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

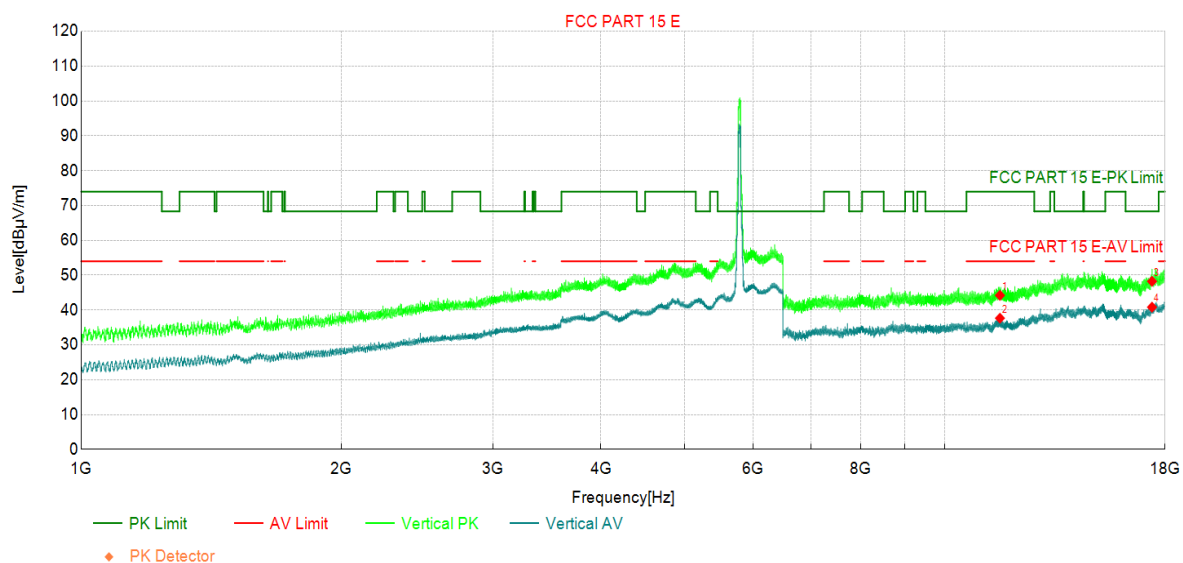
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11590.00	36.02	44.76	8.74	74.00	29.24	PK	Horizo	PASS
2	11590.00	29.44	38.18	8.74	54.00	15.82	AV	Horizo	PASS
3	17385.00	32.80	49.38	16.58	68.30	18.92	PK	Horizo	PASS
4	17385.00	24.44	41.02	16.58	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5795MHz by 802.11ac(40MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

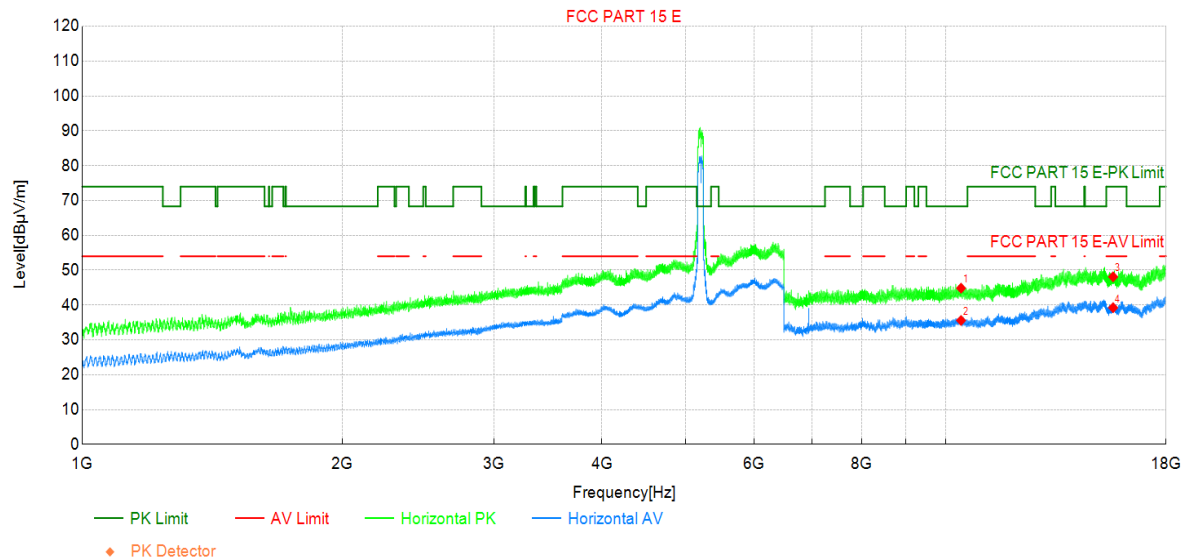
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11590.00	35.47	44.21	8.74	74.00	29.79	PK	Vertic	PASS
2	11590.00	28.92	37.66	8.74	54.00	16.34	AV	Vertic	PASS
3	17385.00	31.66	48.24	16.58	68.30	20.06	PK	Vertic	PASS
4	17385.00	24.24	40.82	16.58	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5210MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

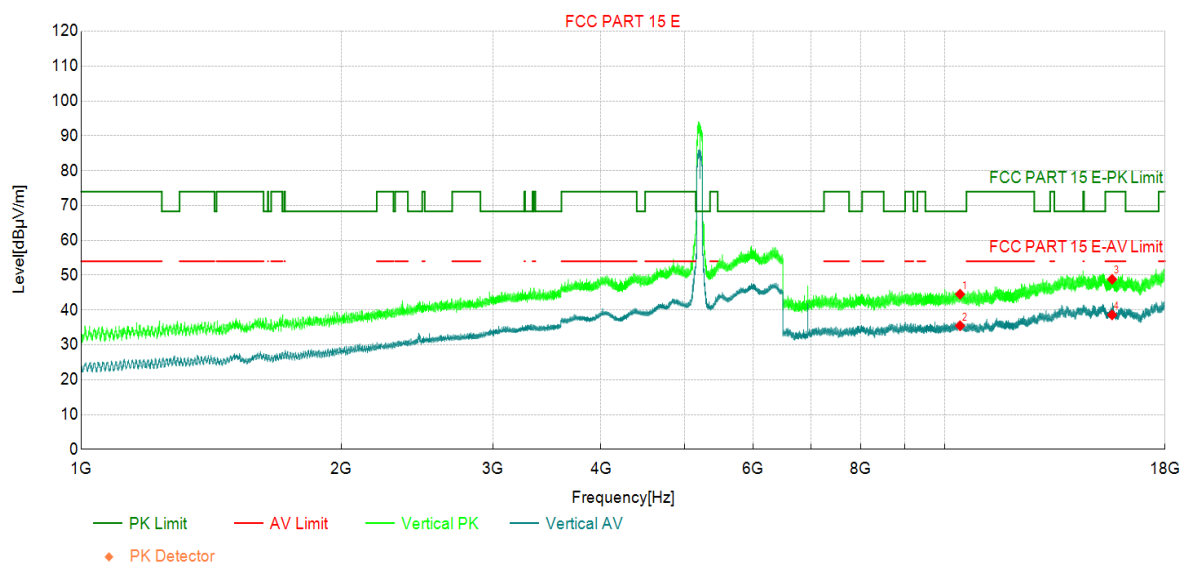
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	38.24	44.84	6.60	68.30	23.46	PK	Horizo	PASS
2	10420.00	28.96	35.56	6.60	-	-	AV	Horizo	NA
3	15630.00	34.31	48.09	13.78	74.00	25.91	PK	Horizo	PASS
4	15630.00	25.44	39.22	13.78	54.00	14.78	AV	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5210MHz by 802.11ac(80MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi:	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

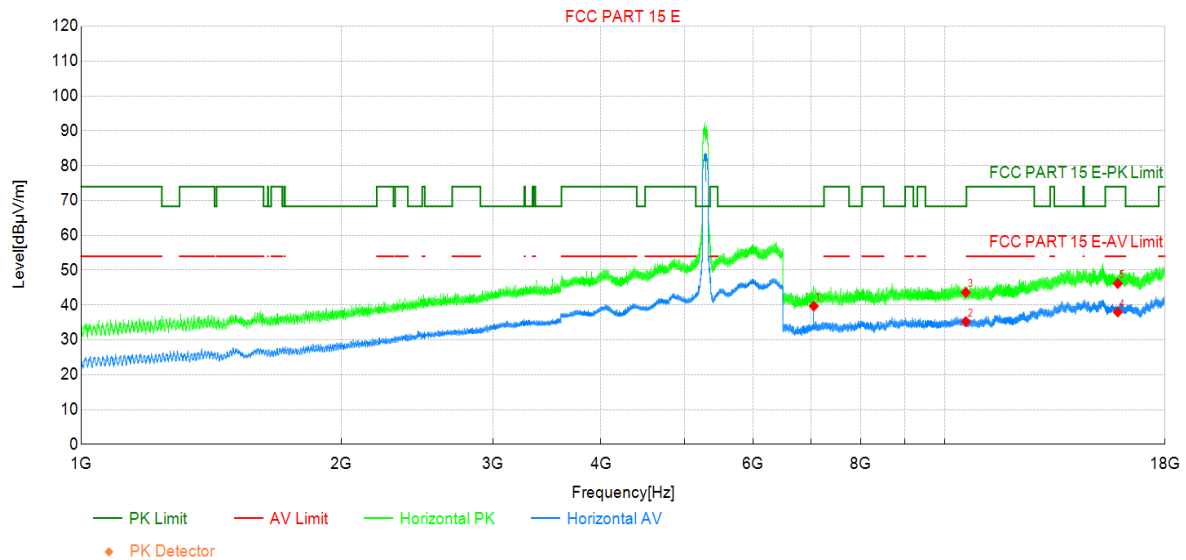
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	37.94	44.54	6.60	68.30	23.76	PK	Vertic	PASS
2	10420.00	28.88	35.48	6.60	-	-	AV	Vertic	NA
3	15630.00	35.04	48.82	13.78	74.00	25.18	PK	Vertic	PASS
4	15630.00	24.82	38.60	13.78	54.00	15.40	AV	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5290MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

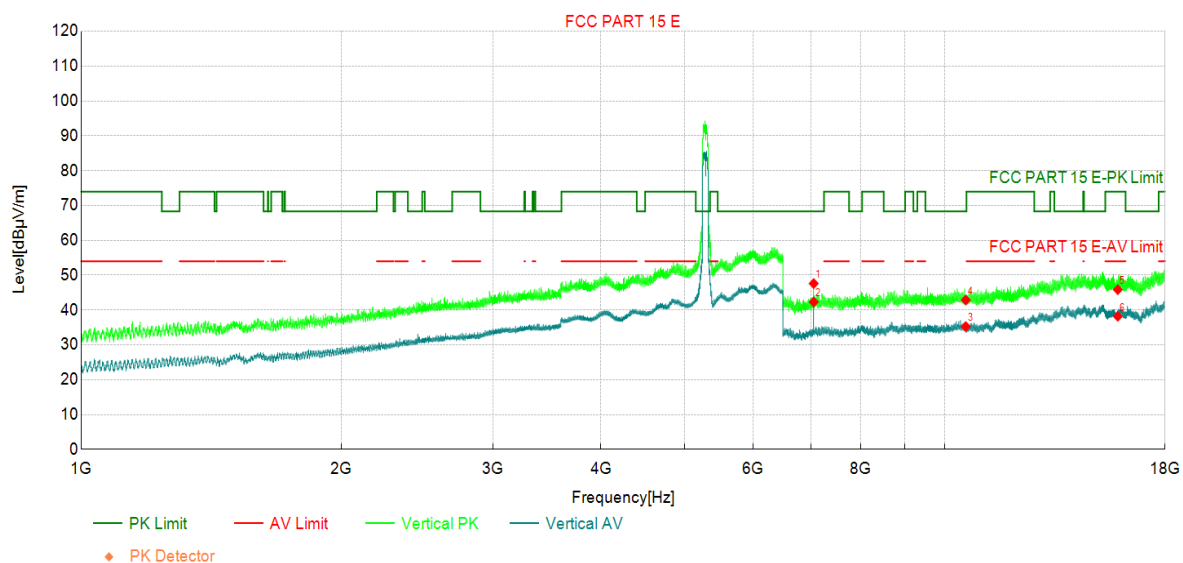
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7053.92	37.04	39.68	2.64	-	-	AV	Horizo	NA
2	10580.00	28.46	35.23	6.77	-	-	AV	Horizo	NA
3	10580.00	36.86	43.63	6.77	68.30	24.67	PK	Horizo	PASS
4	15870.00	23.89	37.98	14.09	54.00	16.02	AV	Horizo	PASS
5	15870.00	32.09	46.18	14.09	74.00	27.82	PK	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5290MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

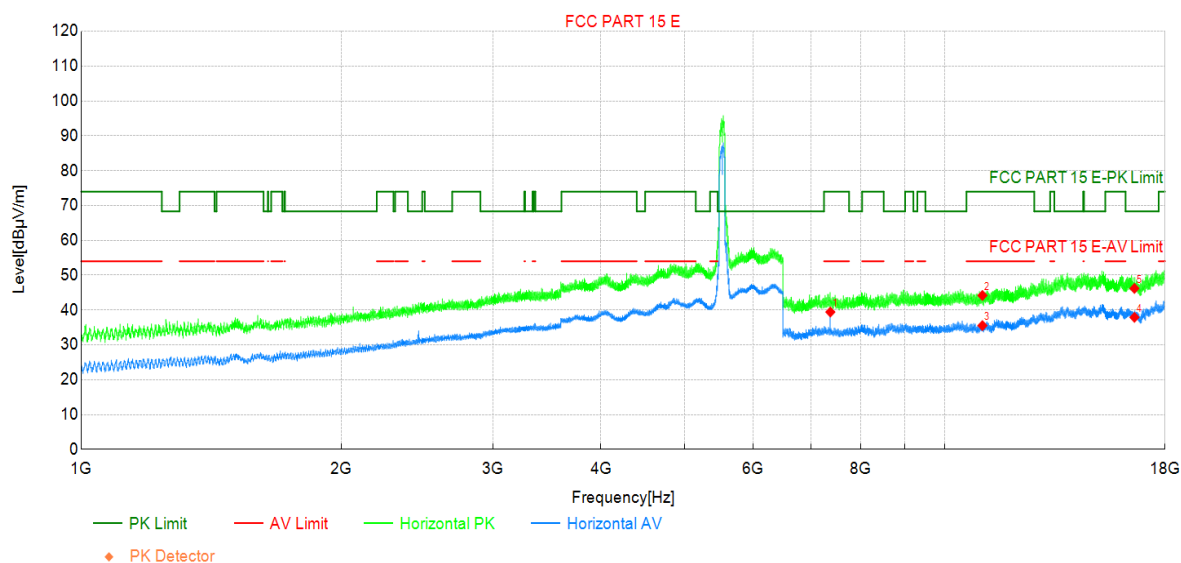
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7052.96	44.98	47.61	2.63	68.30	20.69	PK	Vertic	PASS
2	7053.92	39.67	42.31	2.64	-	-	AV	Vertic	NA
3	10580.00	28.47	35.24	6.77	-	-	AV	Vertic	NA
4	10580.00	36.10	42.87	6.77	68.30	25.43	PK	Vertic	PASS
5	15870.00	31.76	45.85	14.09	74.00	28.15	PK	Vertic	PASS
6	15870.00	24.12	38.21	14.09	54.00	15.79	AV	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5530MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

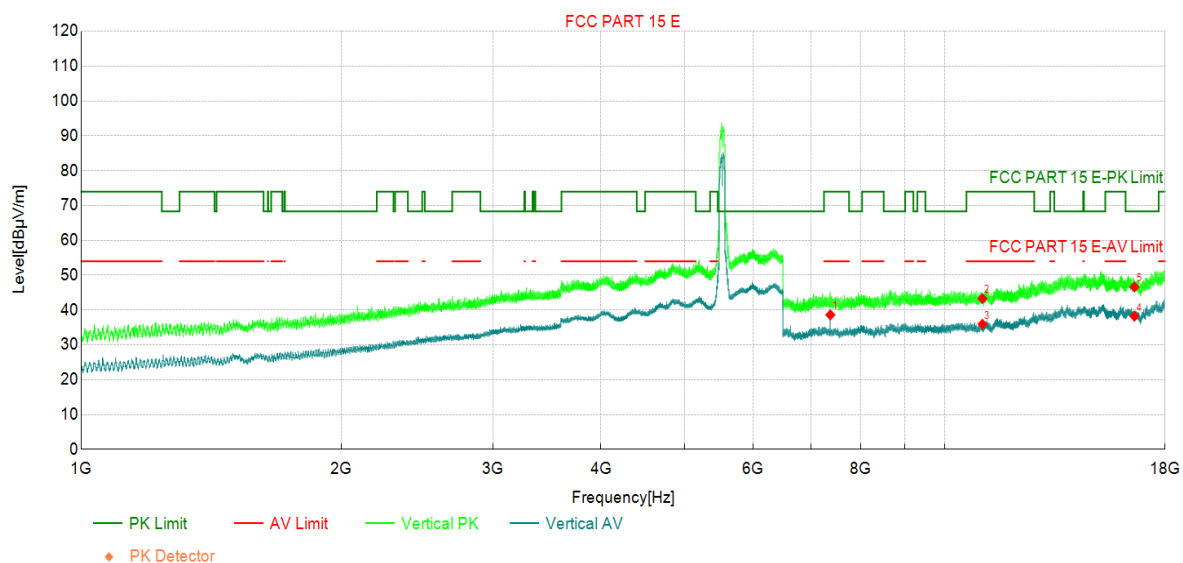
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7373.52	36.43	39.43	3.00	54.00	14.57	AV	Horizo	PASS
2	11060.00	37.21	44.17	6.96	74.00	29.83	PK	Horizo	PASS
3	11060.00	28.57	35.53	6.96	54.00	18.47	AV	Horizo	PASS
4	16590.00	23.10	37.90	14.80	-	-	AV	Horizo	NA
5	16590.00	31.40	46.20	14.80	68.30	22.10	PK	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5530MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

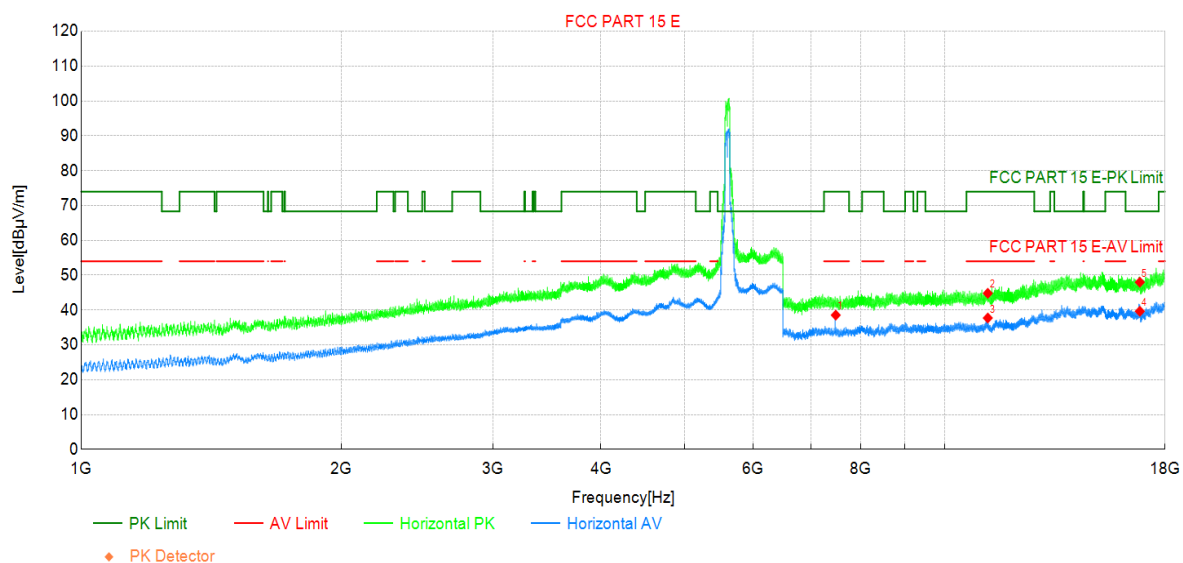
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7373.52	35.62	38.62	3.00	54.00	15.38	AV	Vertic	PASS
2	11060.00	36.34	43.30	6.96	74.00	30.70	PK	Vertic	PASS
3	11060.00	28.97	35.93	6.96	54.00	18.07	AV	Vertic	PASS
4	16590.00	23.42	38.22	14.80	-	-	AV	Vertic	NA
5	16590.00	31.82	46.62	14.80	68.30	21.68	PK	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5610MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

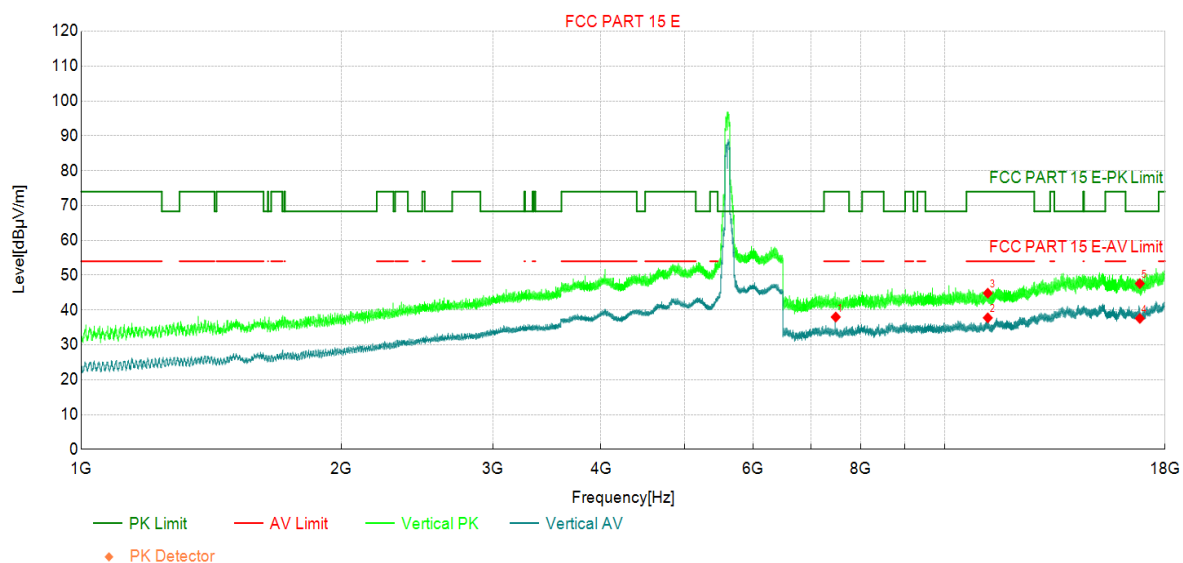
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7480.38	35.29	38.53	3.24	54.00	15.47	AV	Horizo	PASS
2	11220.00	37.07	44.80	7.73	74.00	29.20	PK	Horizo	PASS
3	11220.00	29.98	37.71	7.73	54.00	16.29	AV	Horizo	PASS
4	16830.00	24.72	39.64	14.92	-	-	AV	Horizo	NA
5	16830.00	33.06	47.98	14.92	68.30	20.32	PK	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5610MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

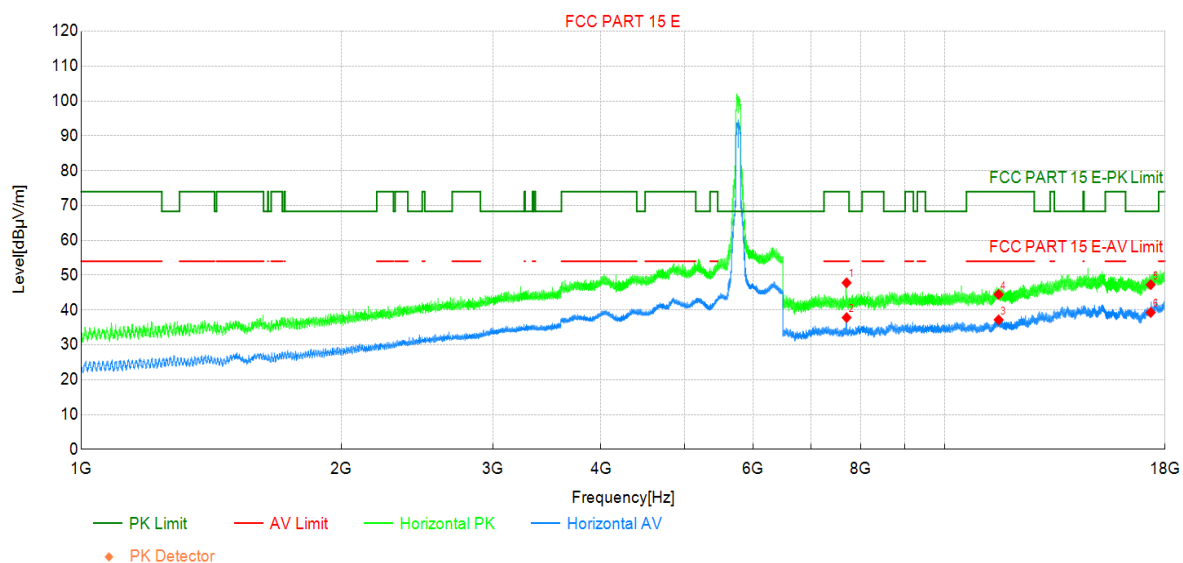
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7480.38	34.75	37.99	3.24	54.00	16.01	AV	Vertic	PASS
2	11220.00	30.03	37.76	7.73	54.00	16.24	AV	Vertic	PASS
3	11220.00	37.10	44.83	7.73	74.00	29.17	PK	Vertic	PASS
4	16830.00	22.65	37.57	14.92	-	-	AV	Vertic	NA
5	16830.00	32.69	47.61	14.92	68.30	20.69	PK	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5775MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

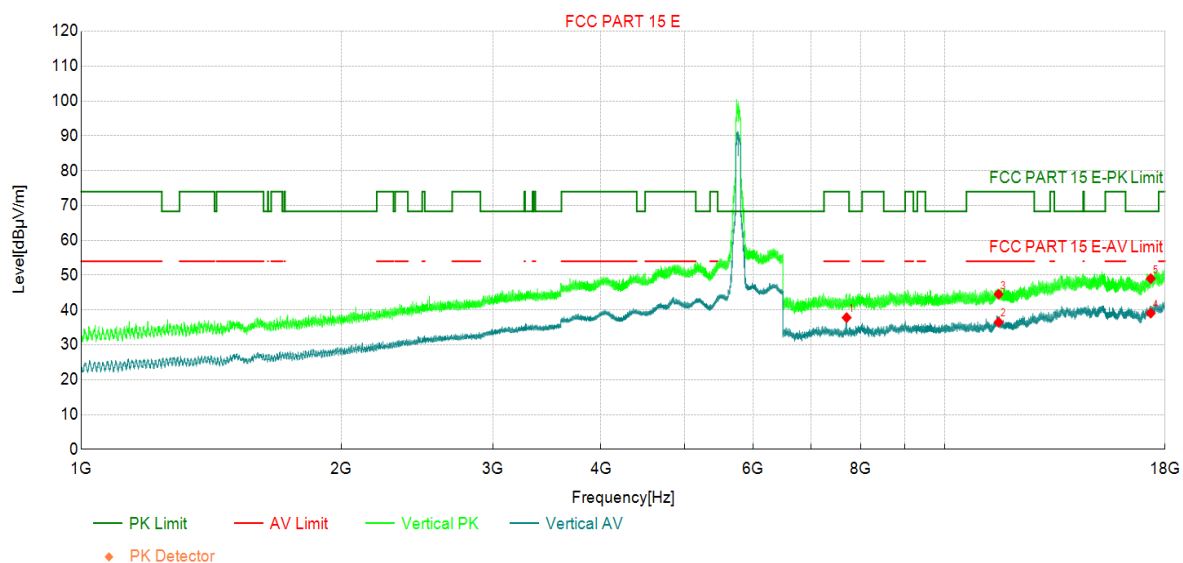
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7699.83	44.77	47.82	3.05	74.00	26.18	PK	Horizo	PASS
2	7700.31	34.78	37.83	3.05	54.00	16.17	AV	Horizo	PASS
3	11550.00	28.56	37.17	8.61	54.00	16.83	AV	Horizo	PASS
4	11550.00	35.87	44.48	8.61	74.00	29.52	PK	Horizo	PASS
5	17325.00	31.40	47.27	15.87	68.30	21.03	PK	Horizo	PASS
6	17325.00	23.42	39.29	15.87	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5775MHz by 802.11ac(80MHz)	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15 E		

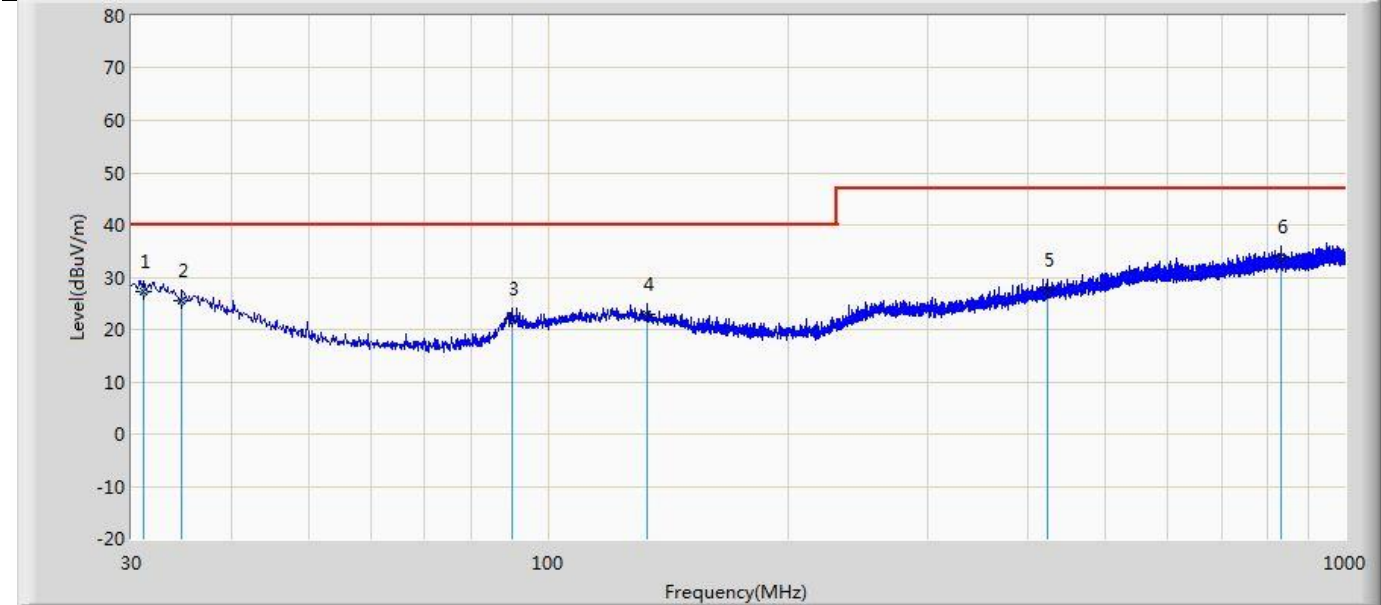
Test Graph



Suspected Data List

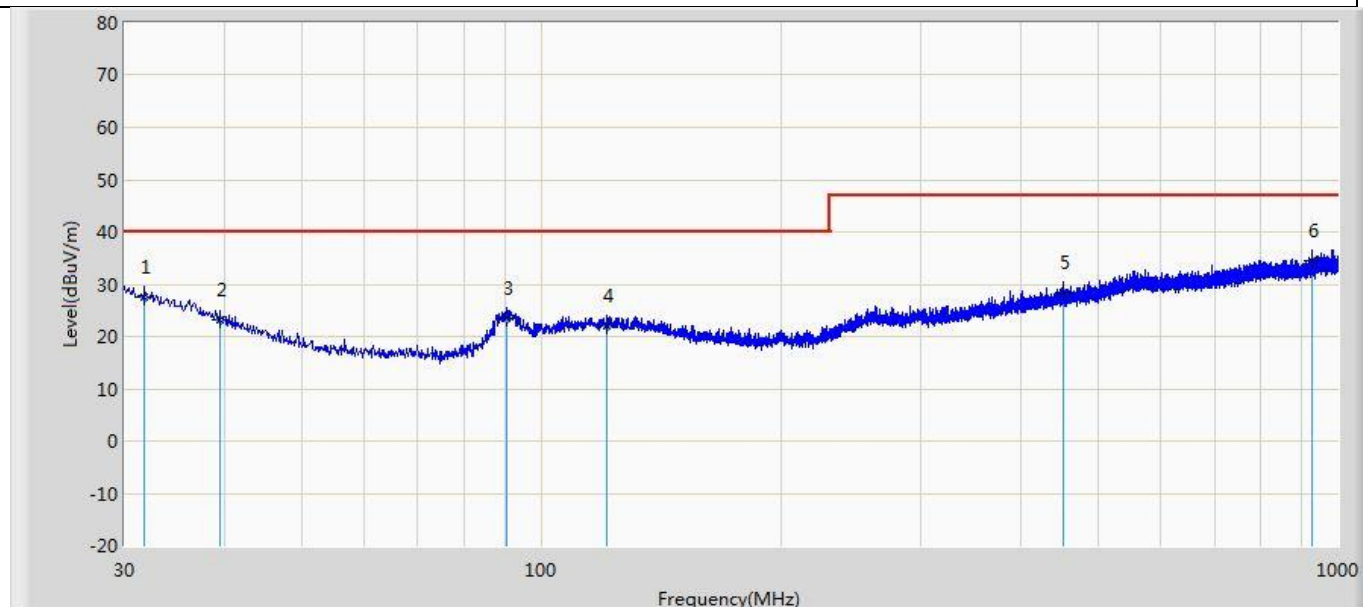
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7700.31	34.76	37.81	3.05	54.00	16.19	AV	Vertic	PASS
2	11550.00	27.89	36.50	8.61	54.00	17.50	AV	Vertic	PASS
3	11550.00	35.92	44.53	8.61	74.00	29.47	PK	Vertic	PASS
4	17325.00	23.23	39.10	15.87	-	-	AV	Vertic	NA
5	17325.00	33.14	49.01	15.87	68.30	19.29	PK	Vertic	PASS

Profile: 20250406	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2025/03/26
Limit: EN 55032_RE (3m)_Class B	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: Smart Controller	Power: 120 Vac / 60 Hz
Note: Transmit by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	31.091	27.347	2.951	-12.653	40.000	24.397	QP
2		34.729	25.438	2.898	-14.562	40.000	22.540	QP
3		90.140	21.936	5.894	-18.064	40.000	16.042	QP
4		133.426	22.832	3.932	-17.168	40.000	18.900	QP
5		423.699	27.681	3.494	-19.319	47.000	24.187	QP
6		832.796	33.831	4.533	-13.169	47.000	29.298	QP

Profile: 20250406	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2025/03/26
Limit: EN 55032_RE (3m)_Class B	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: Smart Controller	Power: 120 Vac / 60 Hz
Note: Transmit by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		31.819	27.513	3.432	-12.487	40.000	24.080	QP
2		39.458	23.069	3.163	-16.931	40.000	19.907	QP
3		90.504	23.427	7.303	-16.573	40.000	16.124	QP
4		120.937	22.139	2.692	-17.861	40.000	19.447	QP
5		451.707	28.378	3.641	-18.622	47.000	24.737	QP
6	*	929.554	34.525	4.366	-12.475	47.000	30.159	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. If the test result on peak is lower than average limit, then average measurement needn't be performed.
5. All test data above 18GHz are noise base, so no data shown in this report.
6. In the report, below 1G, only the verification test is carried out for the worst channel of 1~18G worst mode.
7. The below 1G test data was measured on the worst-case configuration selected from each transmission mode on the low and high channel.

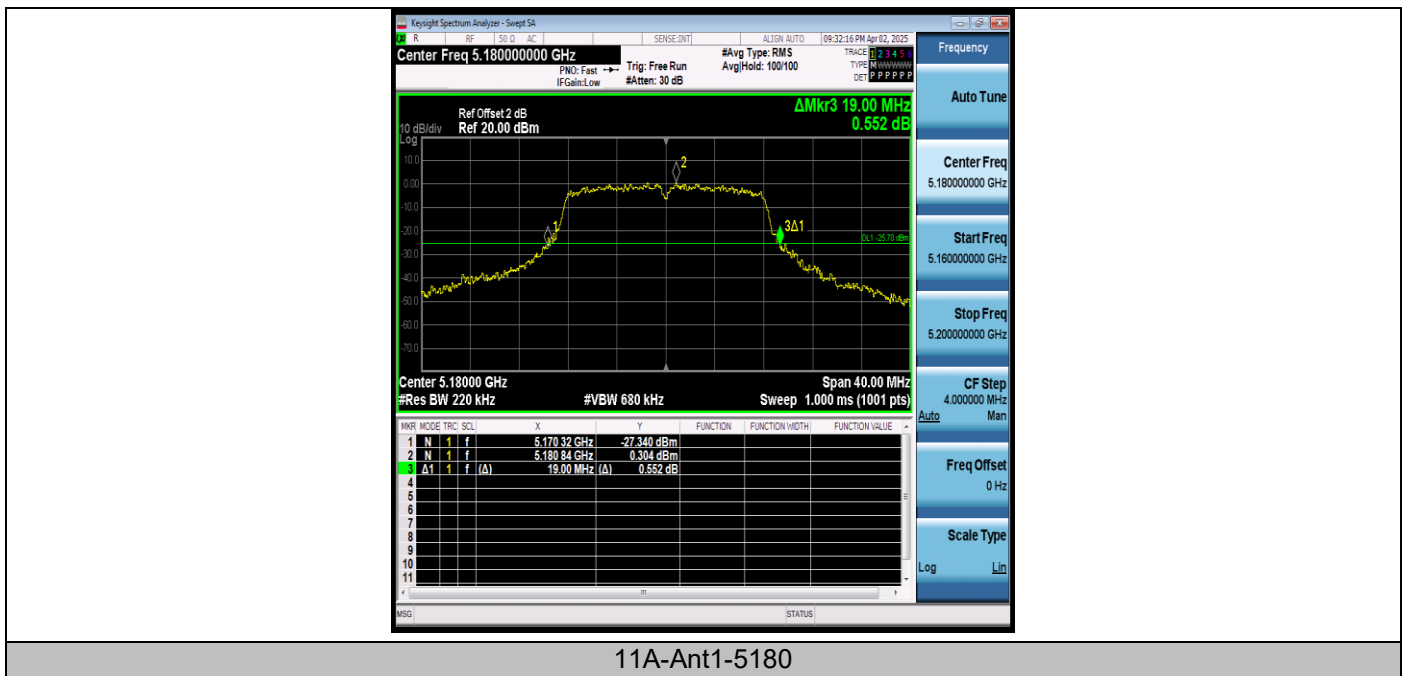
Appendix C: Emission bandwidth and occupied bandwidth

Emission Bandwidth

TestMode	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	5180	19.000	5170.320	5189.320	---	---
11A	5200	19.120	5190.200	5209.320	---	---
11A	5240	19.520	5229.840	5249.360	---	---
11A	5260	19.200	5250.120	5269.320	---	---
11A	5280	19.040	5270.120	5289.160	---	---
11A	5320	18.800	5310.560	5329.360	---	---
11A	5500	19.600	5489.760	5509.360	---	---
11A	5580	18.960	5570.240	5589.200	---	---
11A	5700	19.720	5689.840	5709.560	---	---
11A	5745	19.240	5735.040	5754.280	---	---
11A	5785	18.560	5775.560	5794.120	---	---
11A	5825	19.640	5814.680	5834.320	---	---
11N20SISO	5180	21.000	5169.320	5190.320	---	---
11N20SISO	5200	20.000	5190.040	5210.040	---	---
11N20SISO	5240	20.440	5229.680	5250.120	---	---
11N20SISO	5260	20.600	5249.640	5270.240	---	---
11N20SISO	5280	20.760	5269.560	5290.320	---	---
11N20SISO	5320	20.640	5309.720	5330.360	---	---
11N20SISO	5500	21.480	5489.240	5510.720	---	---
11N20SISO	5580	21.280	5569.640	5590.920	---	---
11N20SISO	5700	20.480	5689.920	5710.400	---	---
11N20SISO	5745	20.560	5734.680	5755.240	---	---
11N20SISO	5785	20.200	5774.640	5794.840	---	---
11N20SISO	5825	19.840	5815.040	5834.880	---	---
11N40SISO	5190	44.720	5166.560	5211.280	---	---
11N40SISO	5230	40.640	5209.520	5250.160	---	---
11N40SISO	5270	42.160	5249.760	5291.920	---	---
11N40SISO	5310	41.920	5289.520	5331.440	---	---
11N40SISO	5510	53.920	5485.200	5539.120	---	---
11N40SISO	5550	53.200	5525.520	5578.720	---	---
11N40SISO	5590	47.280	5564.960	5612.240	---	---
11N40SISO	5670	42.560	5648.480	5691.040	---	---
11N40SISO	5755	42.160	5733.640	5775.800	---	---
11N40SISO	5795	41.680	5773.720	5815.400	---	---
11AC20SISO	5180	20.840	5169.520	5190.360	---	---
11AC20SISO	5200	21.200	5189.760	5210.960	---	---
11AC20SISO	5240	20.200	5230.040	5250.240	---	---
11AC20SISO	5260	20.360	5249.760	5270.120	---	---
11AC20SISO	5280	20.080	5270.240	5290.320	---	---
11AC20SISO	5320	20.040	5310.080	5330.120	---	---
11AC20SISO	5500	20.880	5489.880	5510.760	---	---

11AC20SISO	5580	21.480	5569.240	5590.720	---	---
11AC20SISO	5700	20.760	5689.640	5710.400	---	---
11AC20SISO	5745	20.400	5734.760	5755.160	---	---
11AC20SISO	5785	20.720	5774.640	5795.360	---	---
11AC20SISO	5825	19.600	5815.240	5834.840	---	---
11AC40SISO	5190	42.240	5168.960	5211.200	---	---
11AC40SISO	5230	42.400	5208.800	5251.200	---	---
11AC40SISO	5270	41.440	5249.680	5291.120	---	---
11AC40SISO	5310	41.680	5289.360	5331.040	---	---
11AC40SISO	5510	45.760	5487.760	5533.520	---	---
11AC40SISO	5590	43.600	5568.800	5612.400	---	---
11AC40SISO	5670	44.000	5646.560	5690.560	---	---
11AC40SISO	5755	41.600	5734.120	5775.720	---	---
11AC40SISO	5795	41.360	5774.120	5815.480	---	---
11AC80SISO	5210	85.920	5166.000	5251.920	---	---
11AC80SISO	5290	83.360	5248.240	5331.600	---	---
11AC80SISO	5530	82.240	5488.880	5571.120	---	---
11AC80SISO	5610	84.640	5567.280	5651.920	---	---
11AC80SISO	5775	84.480	5731.960	5816.440	---	---

Test Graphs





11A-Ant1-5200



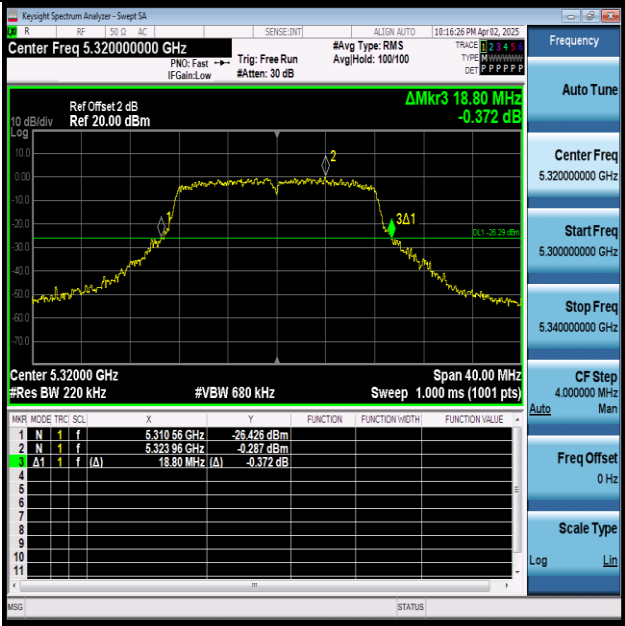
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11A-Ant1-5280



11A-Ant1-5320



11A-Ant1-5500



11A-Ant1-5580



11A-Ant1-5700



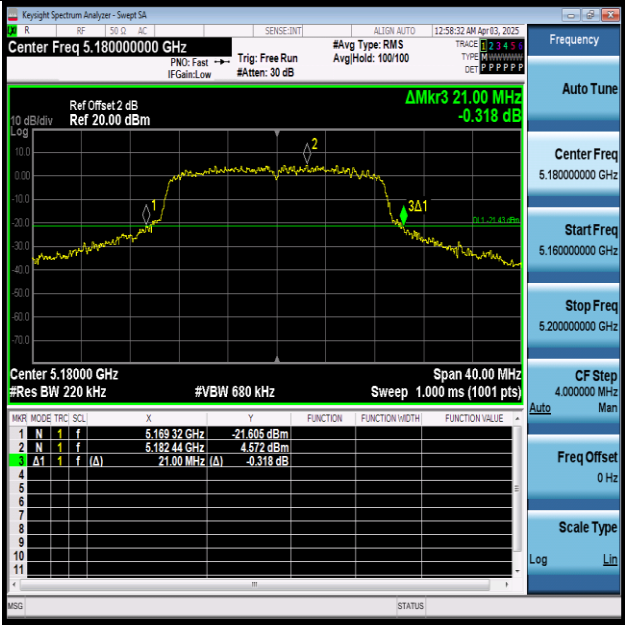
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11A-Ant1-5785



11A-Ant1-5825



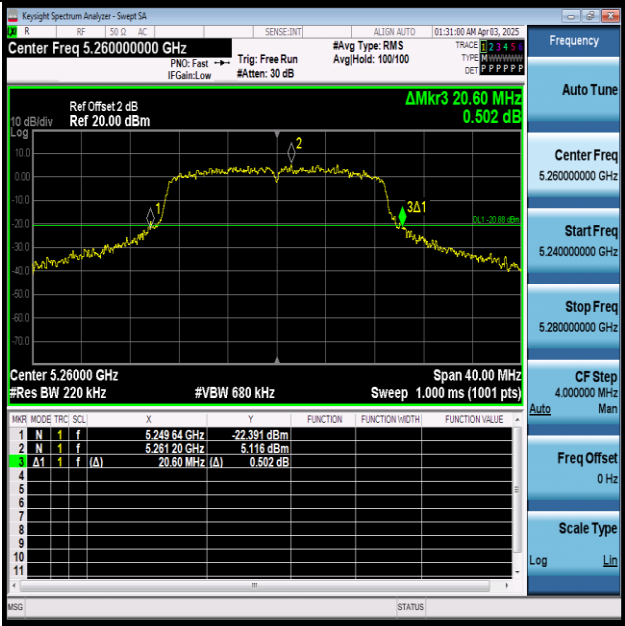
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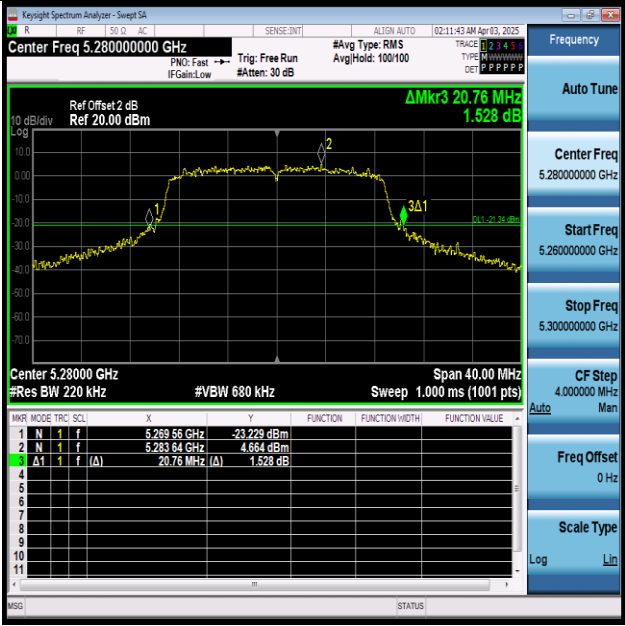
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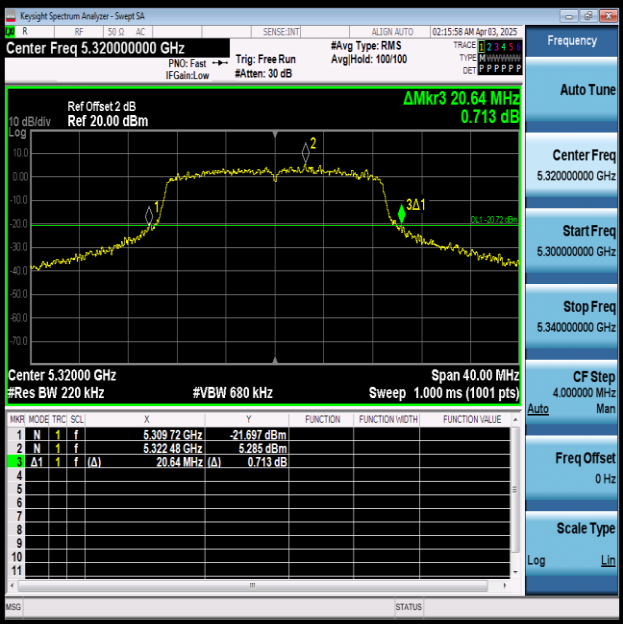
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11N20SISO-Ant1-5260



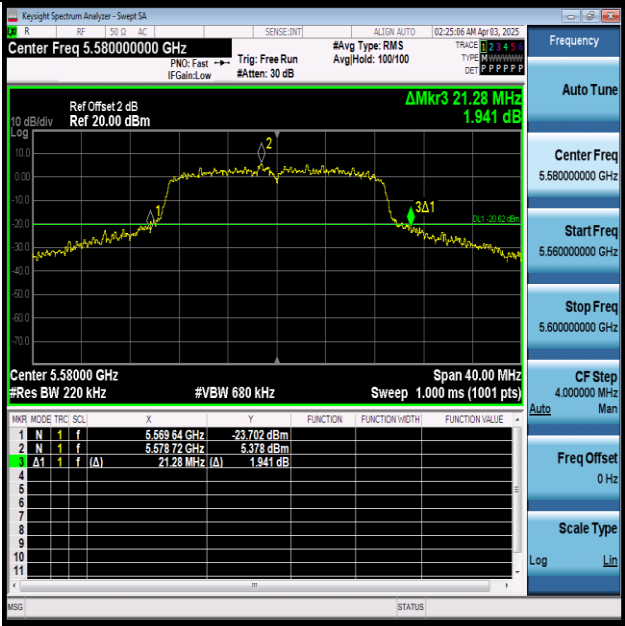
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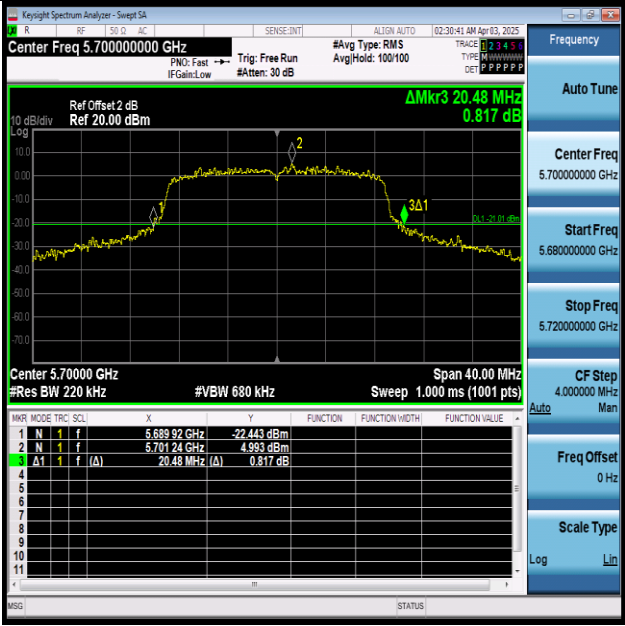
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11N20SISO-Ant1-5500



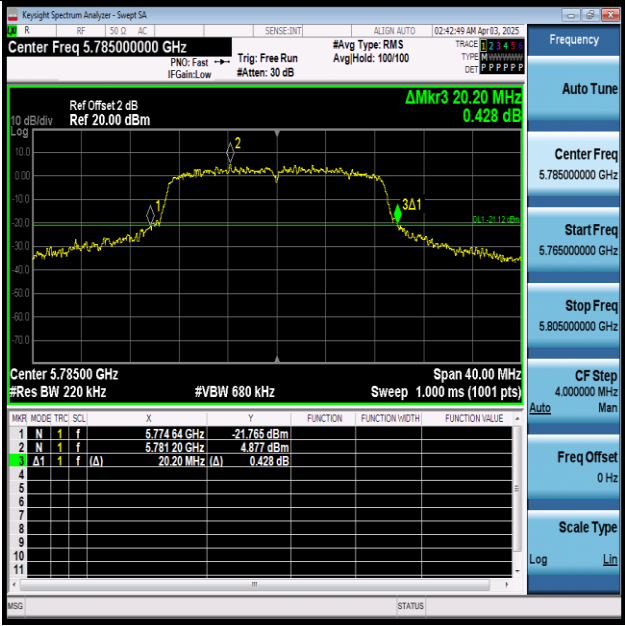
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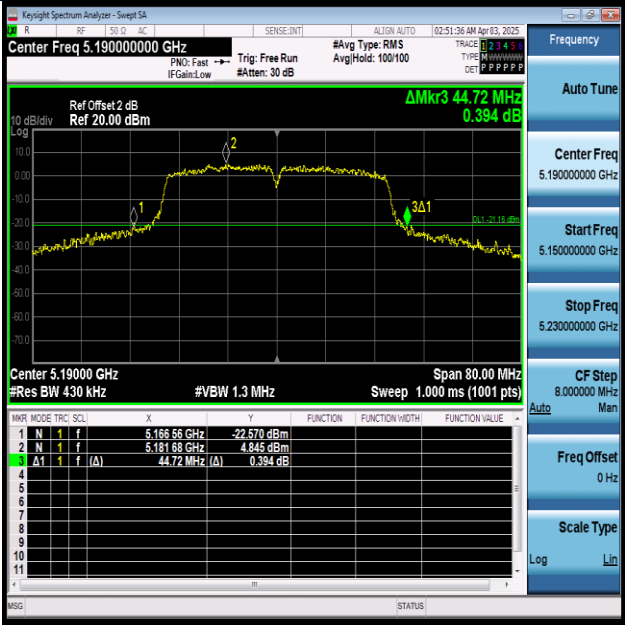
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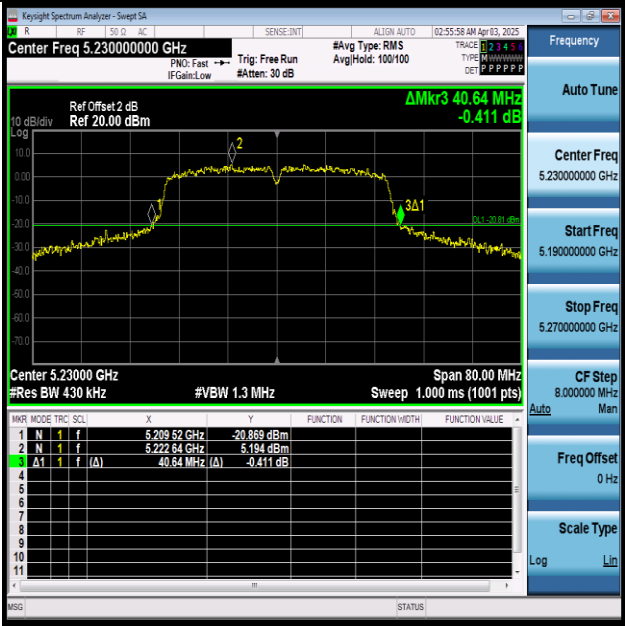
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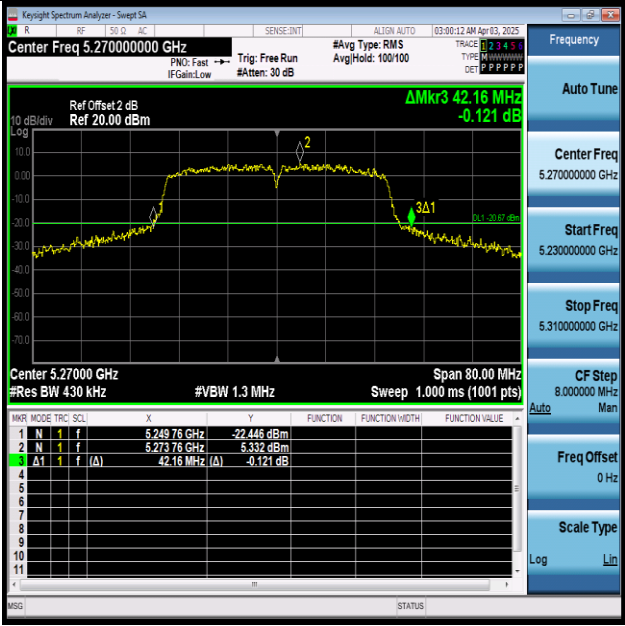
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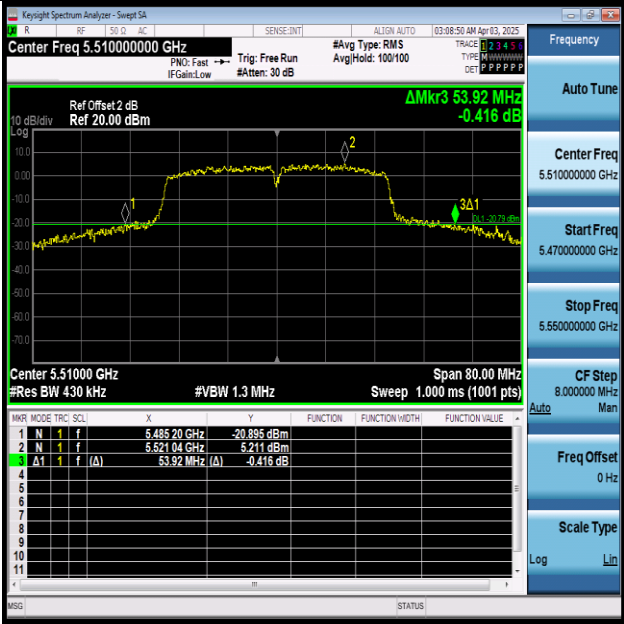
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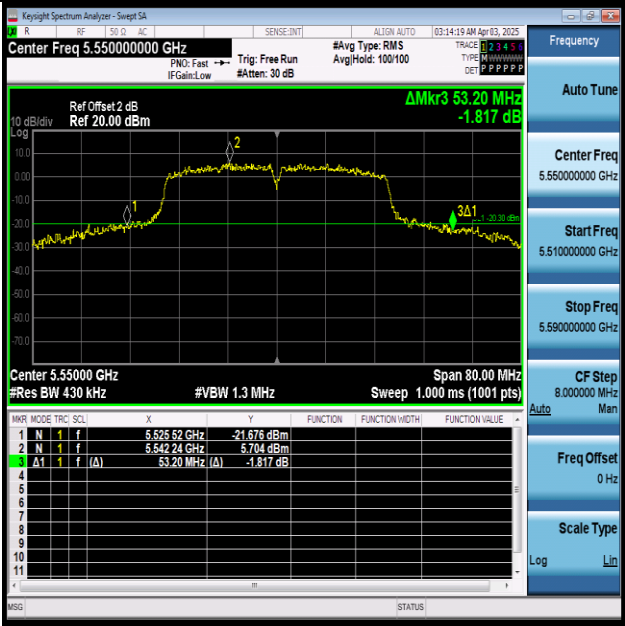
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11N40SISO-Ant1-5310



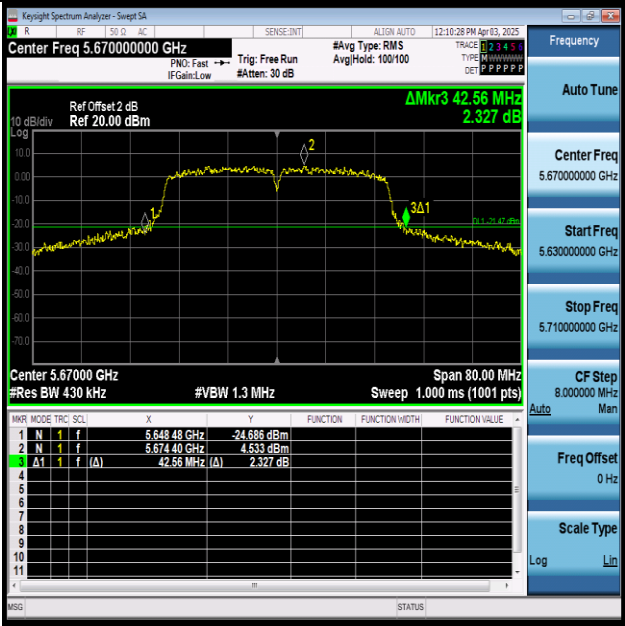
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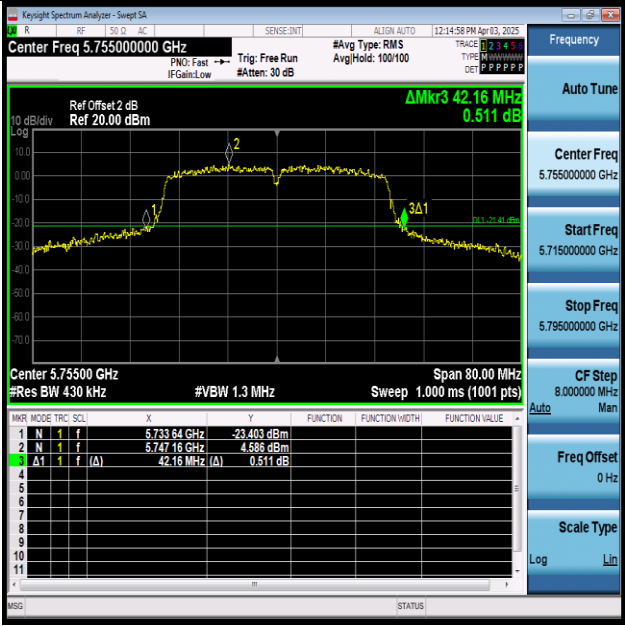
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11N40SISO-Ant1-5590



11N40SISO-Ant1-5670



11N40SISO-Ant1-5755