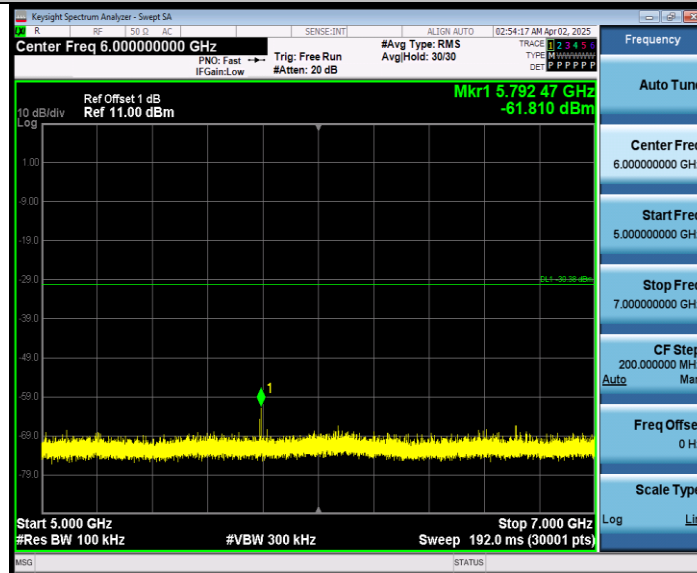
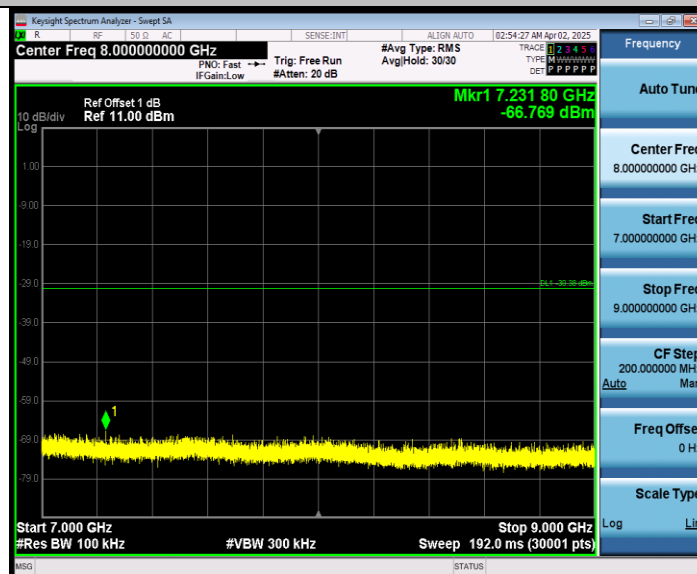




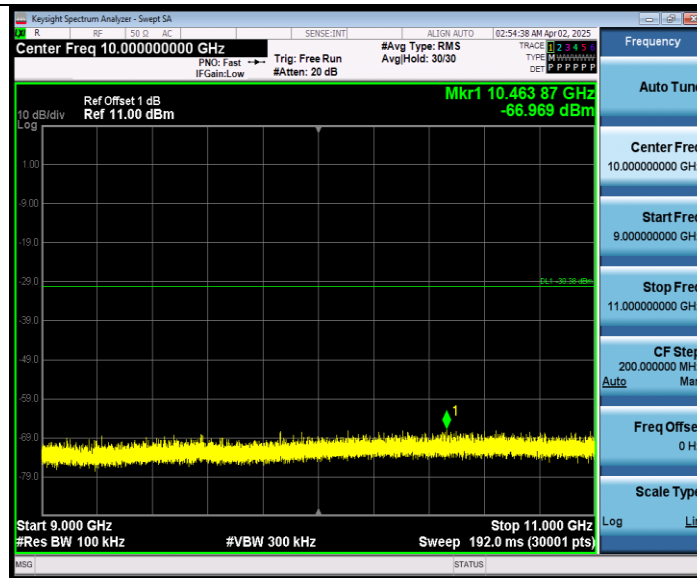
11N40SISO_Ant1_2422_5000~7000



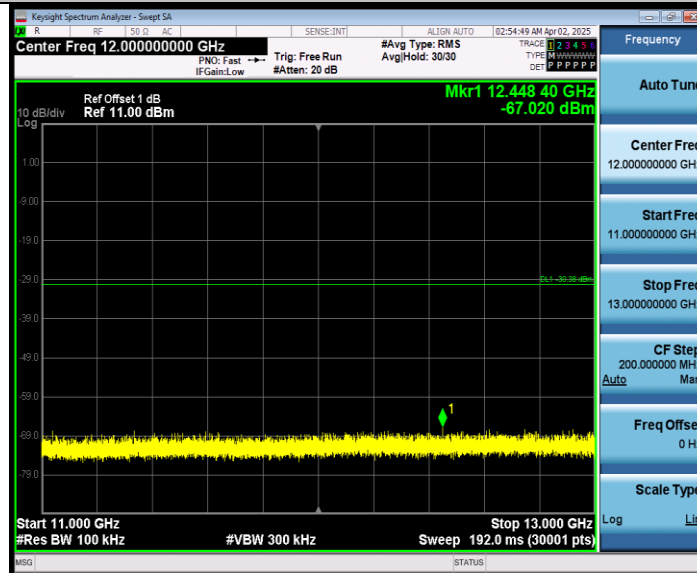
11N40SISO_Ant1_2422_7000~9000



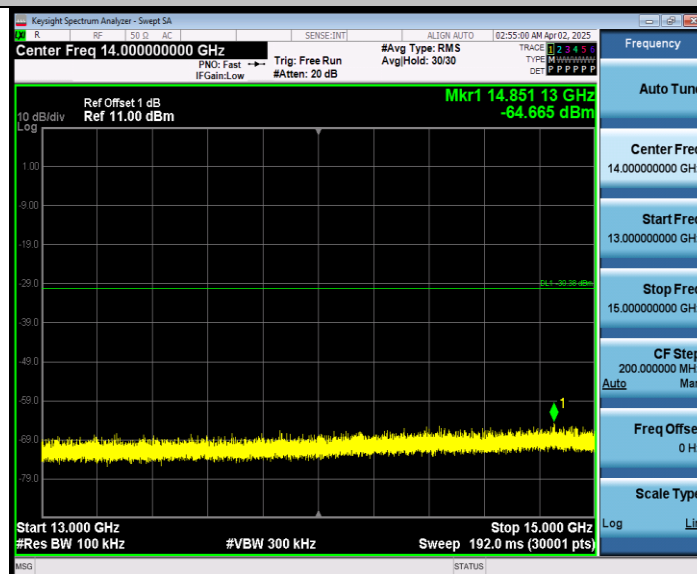
11N40SISO_Ant1_2422_9000~11000



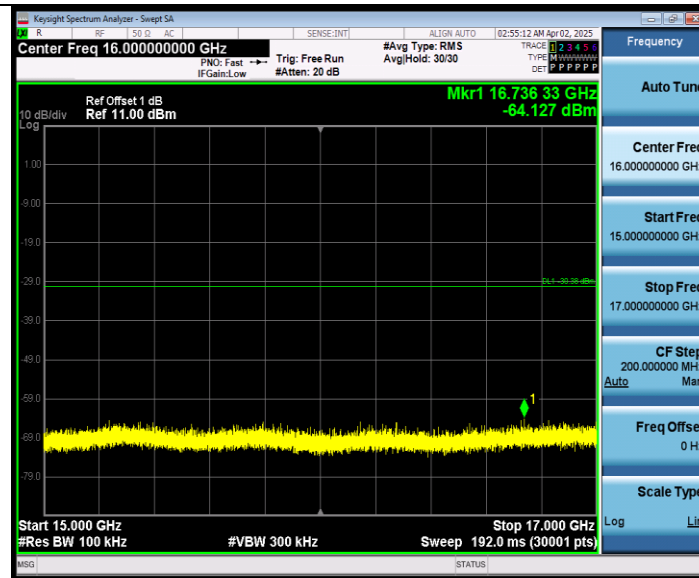
11N40SISO_Ant1_2422_11000~13000



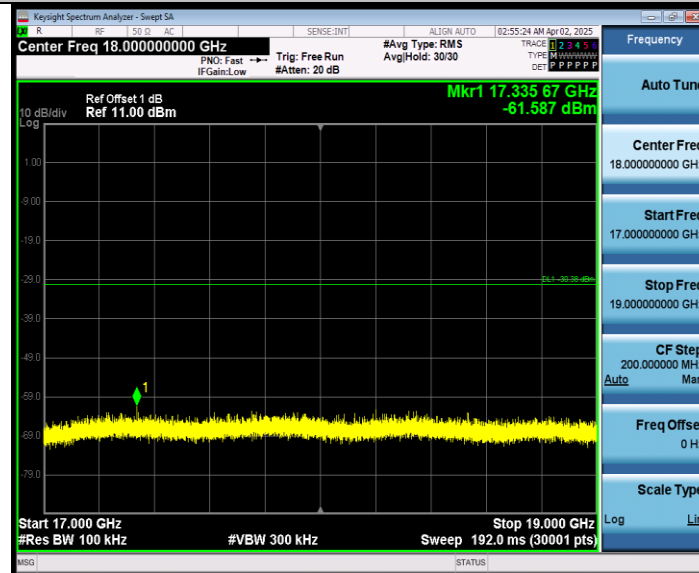
11N40SISO_Ant1_2422_13000~15000



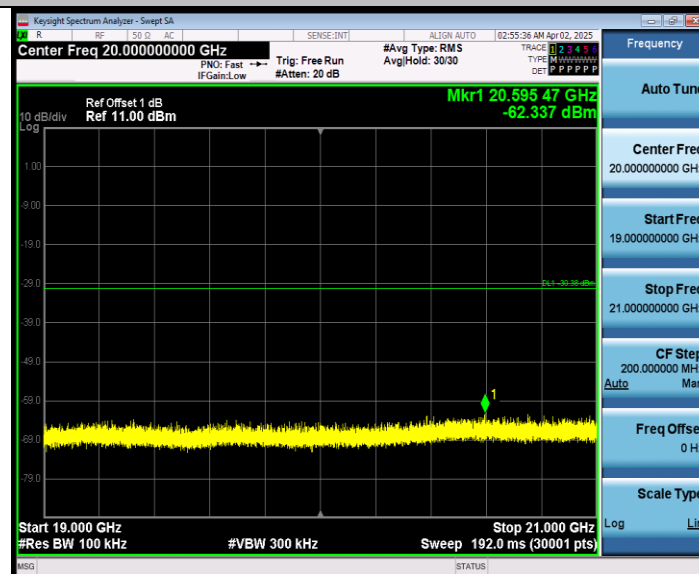
11N40SISO_Ant1_2422_15000~17000



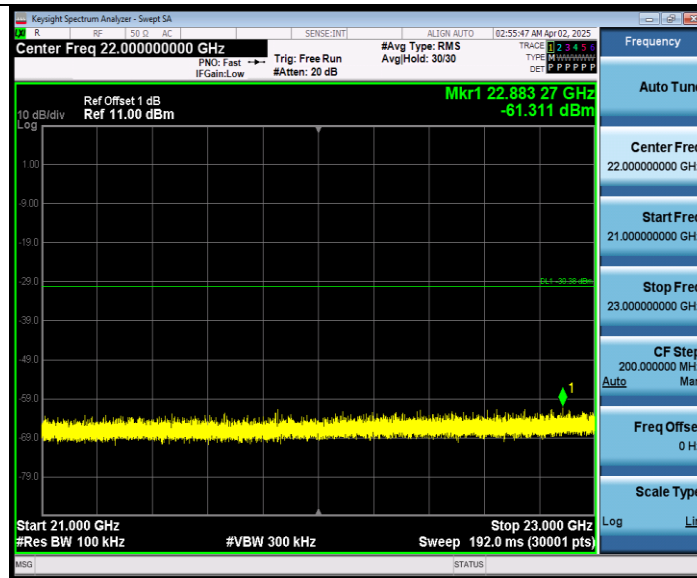
11N40SISO_Ant1_2422_17000~19000



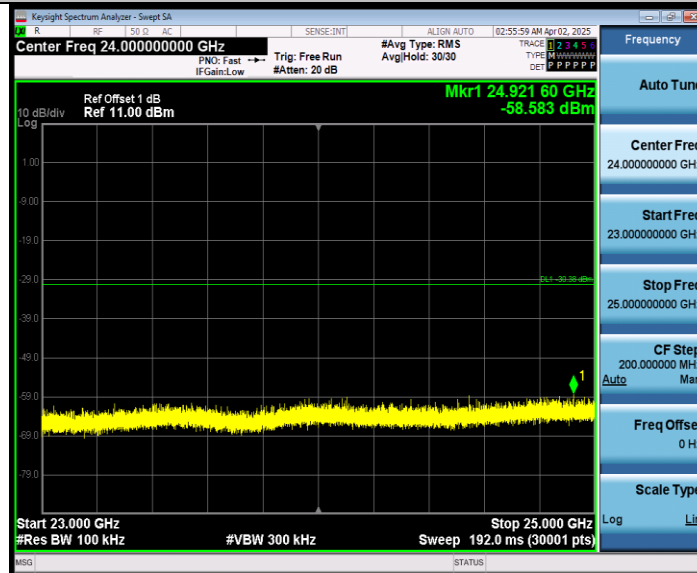
11N40SISO_Ant1_2422_19000~21000



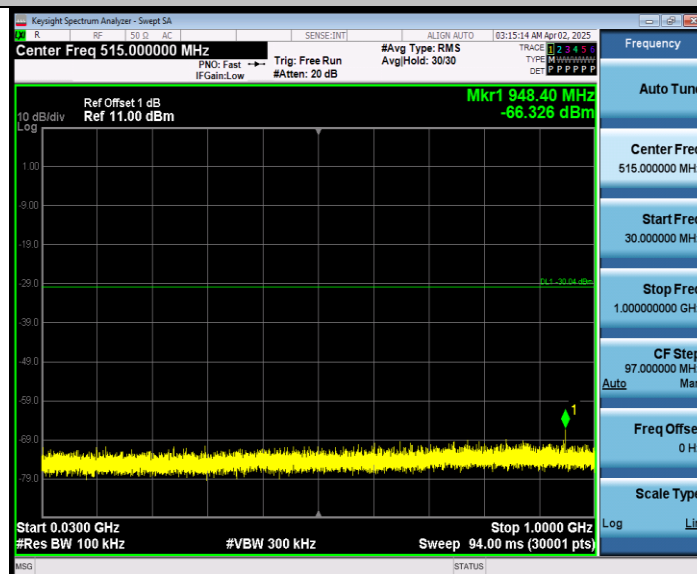
11N40SISO_Ant1_2422_21000~23000



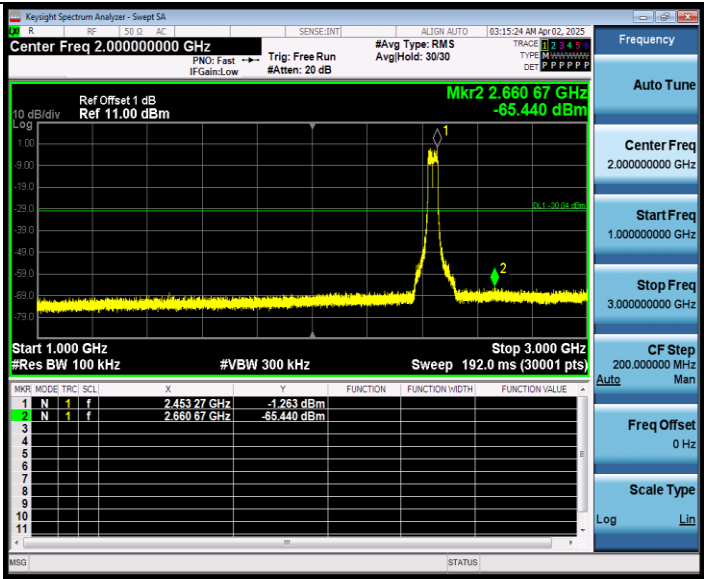
11N40SISO_Ant1_2422_23000~25000



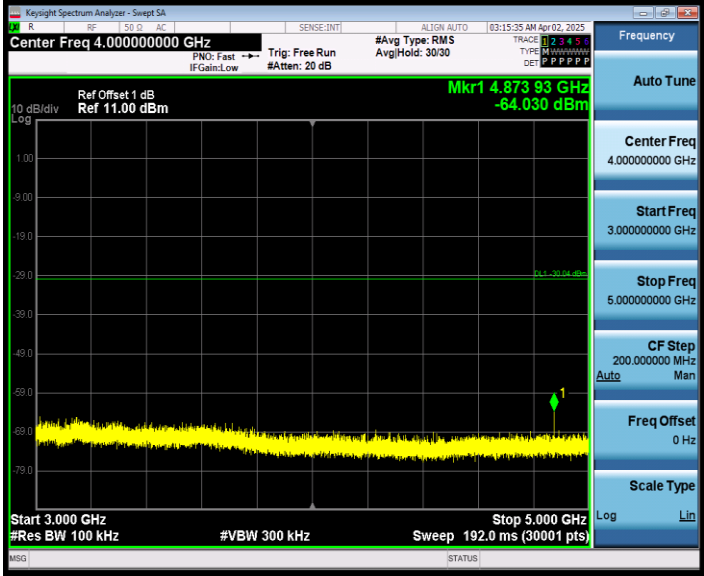
11N40SISO_Ant1_2437_30~1000



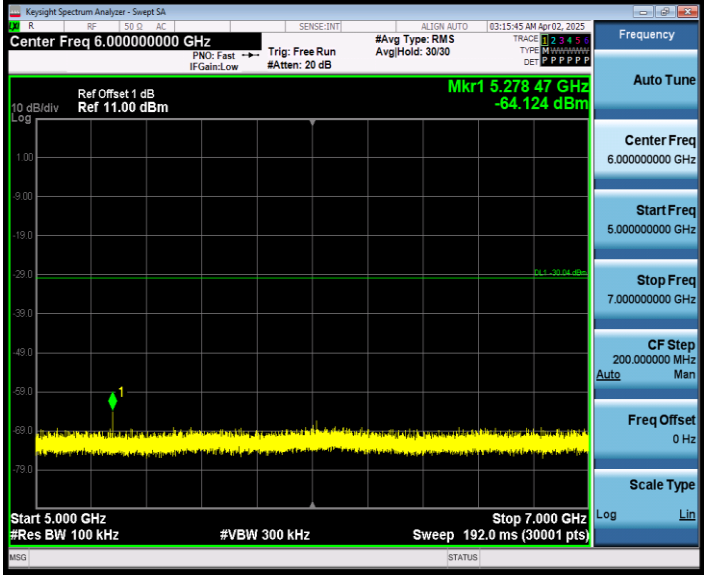
11N40SISO_Ant1_2437_1000~3000



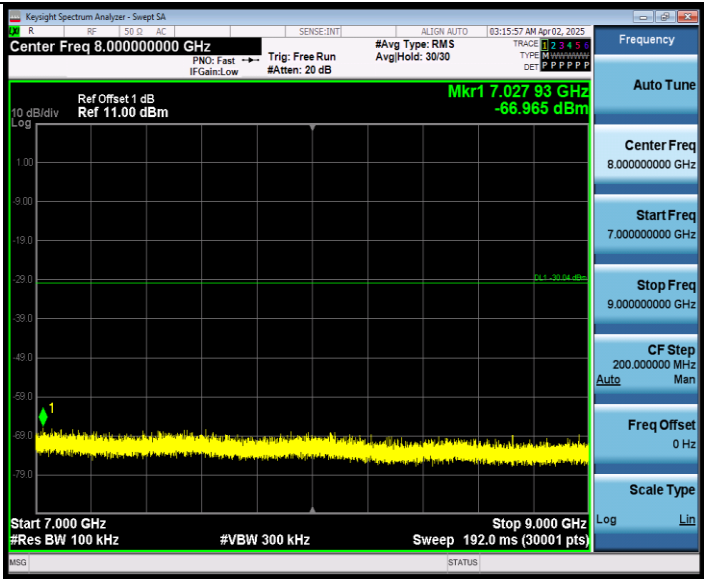
11N40SISO_Ant1_2437_3000~5000



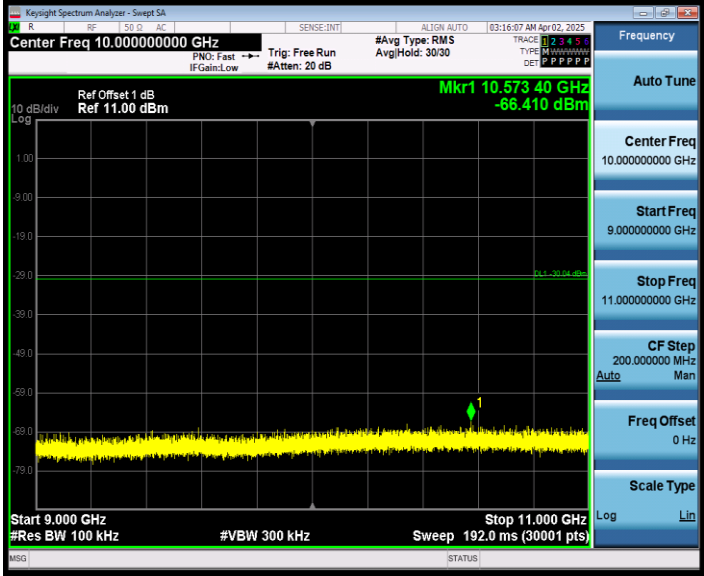
11N40SISO_Ant1_2437_5000~7000



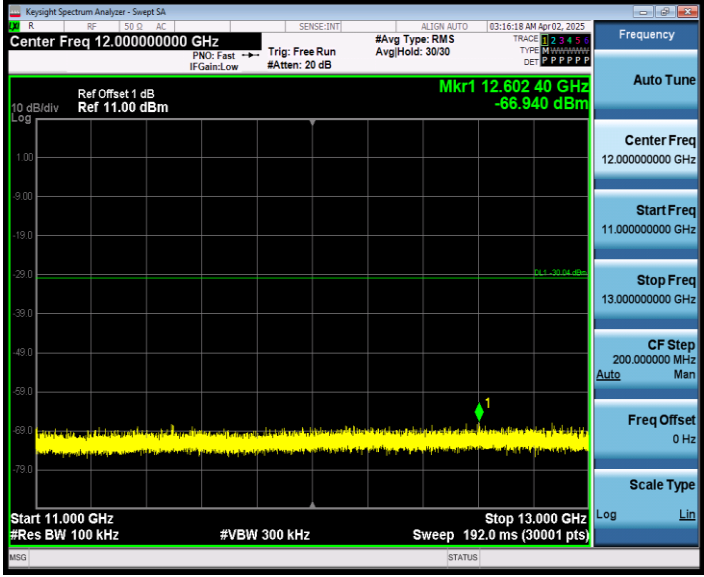
11N40SISO_Ant1_2437_7000~9000



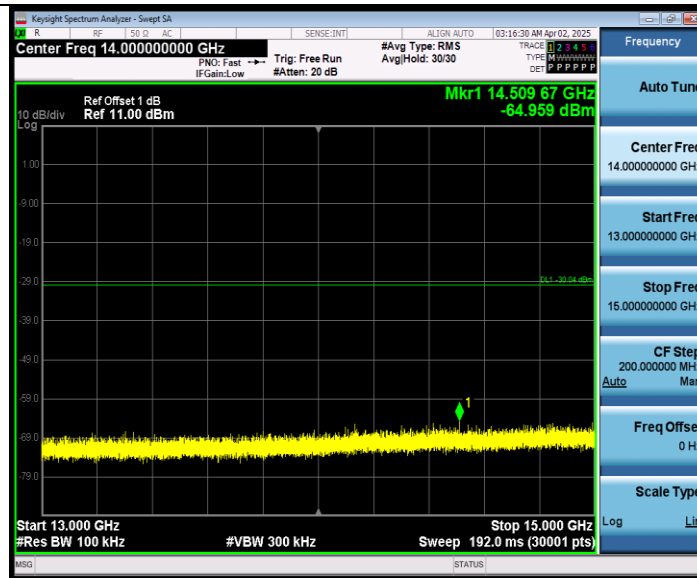
11N40SISO_Ant1_2437_9000~11000



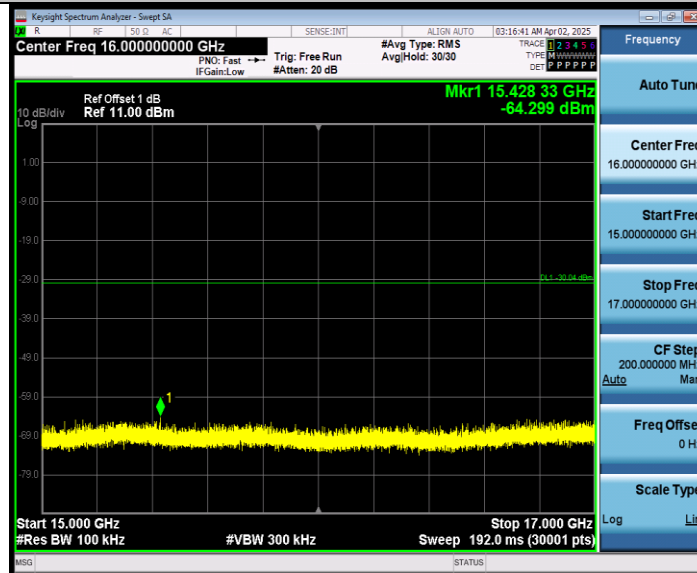
11N40SISO_Ant1_2437_11000~13000



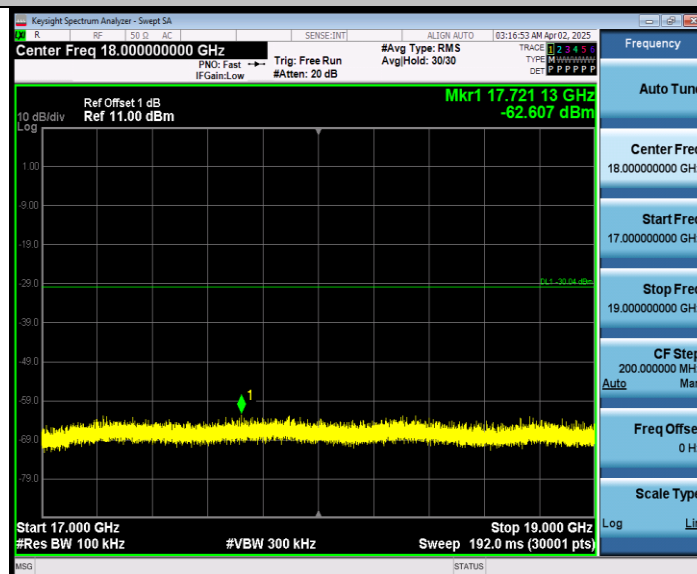
11N40SISO_Ant1_2437_13000~15000



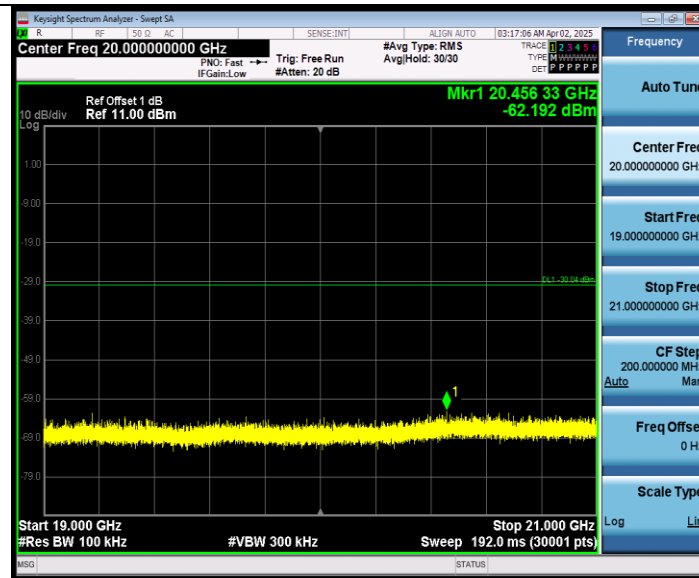
11N40SISO_Ant1_2437_15000~17000



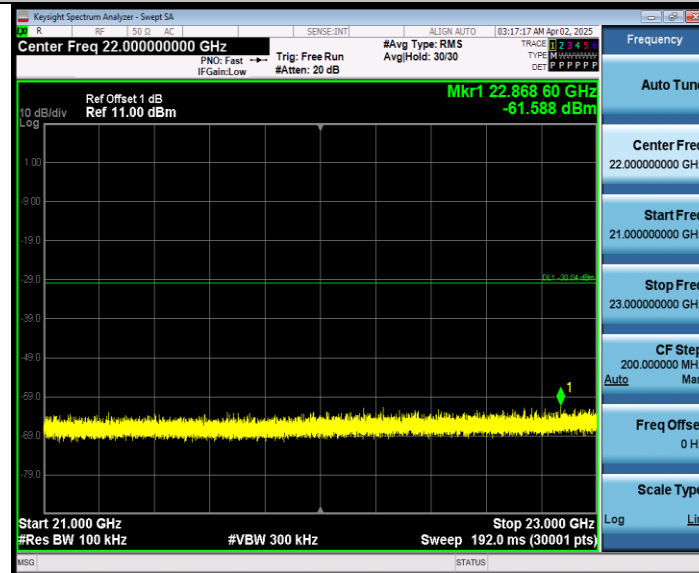
11N40SISO_Ant1_2437_17000~19000



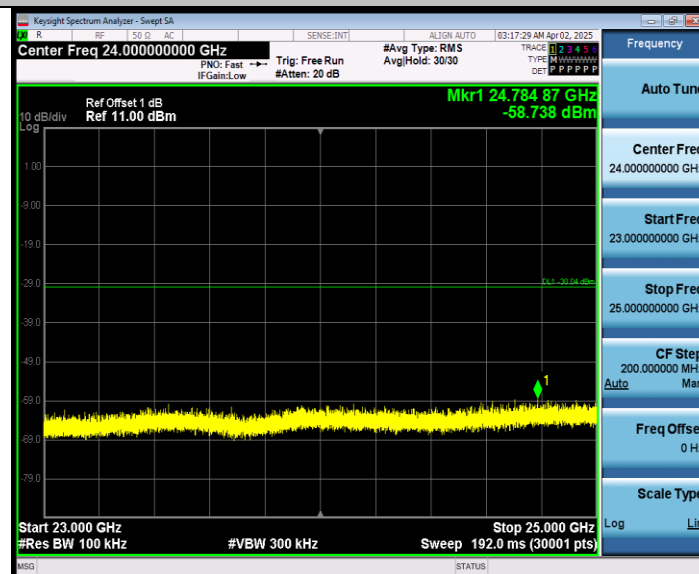
11N40SISO_Ant1_2437_19000~21000



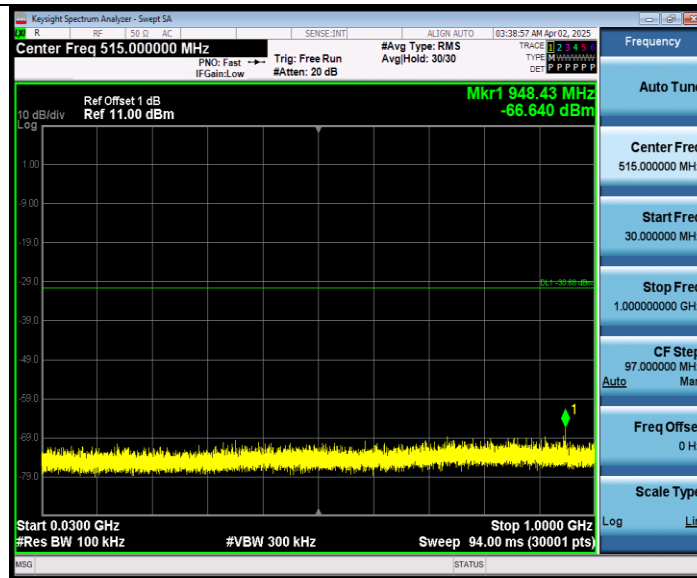
11N40SISO_Ant1_2437_21000~23000



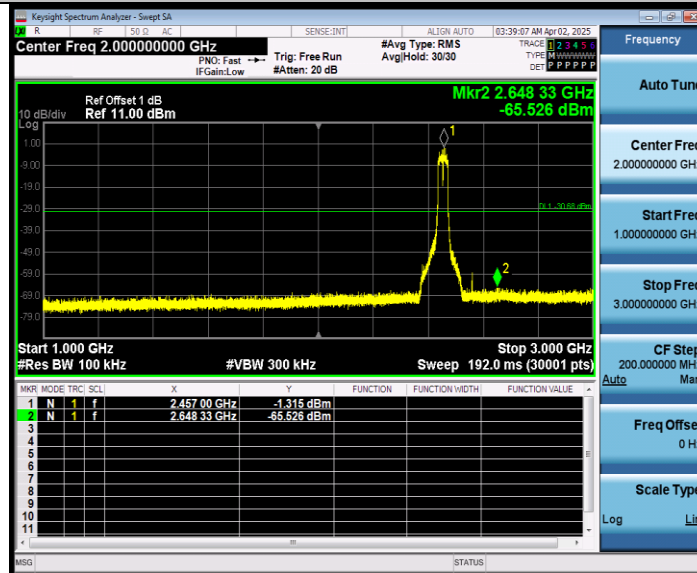
11N40SISO_Ant1_2437_23000~25000



11N40SISO_Ant1_2452_30~1000



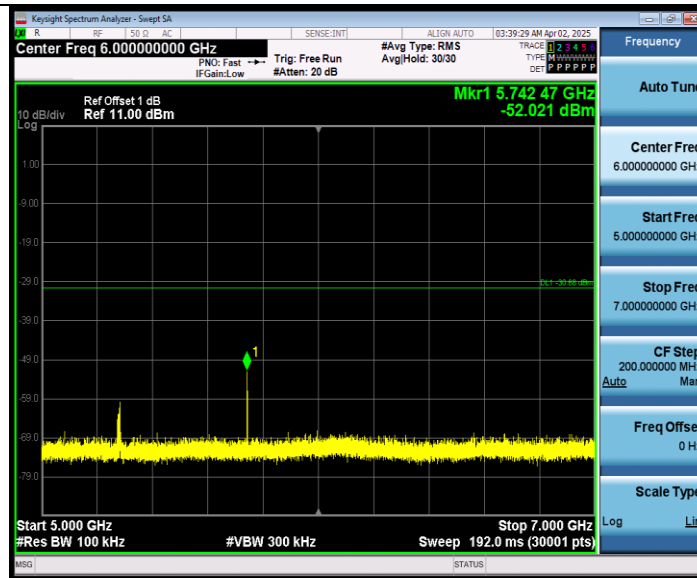
11N40SISO_Ant1_2452_1000~3000



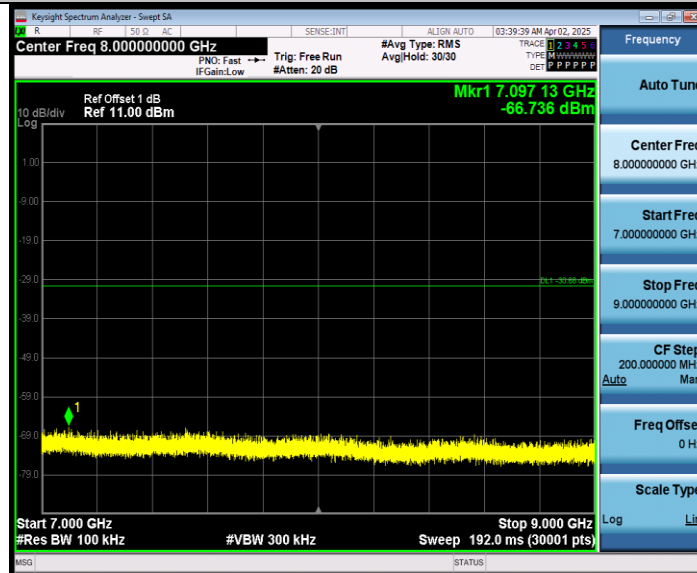
11N40SISO_Ant1_2452_3000~5000



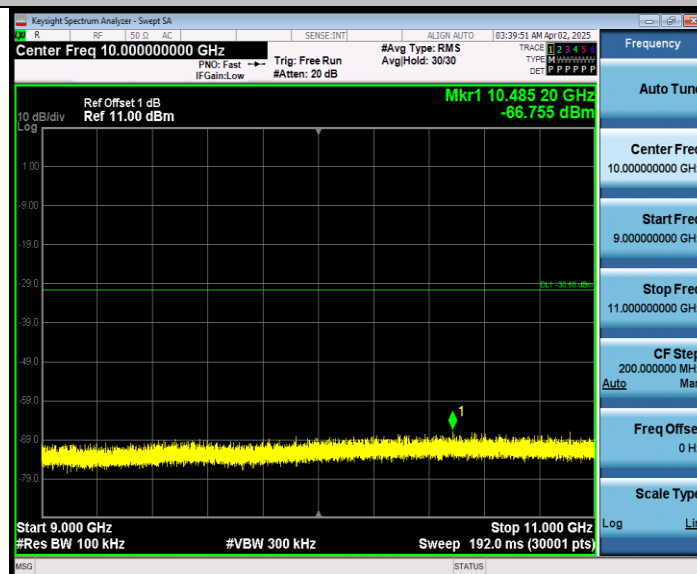
11N40SISO_Ant1_2452_5000~7000



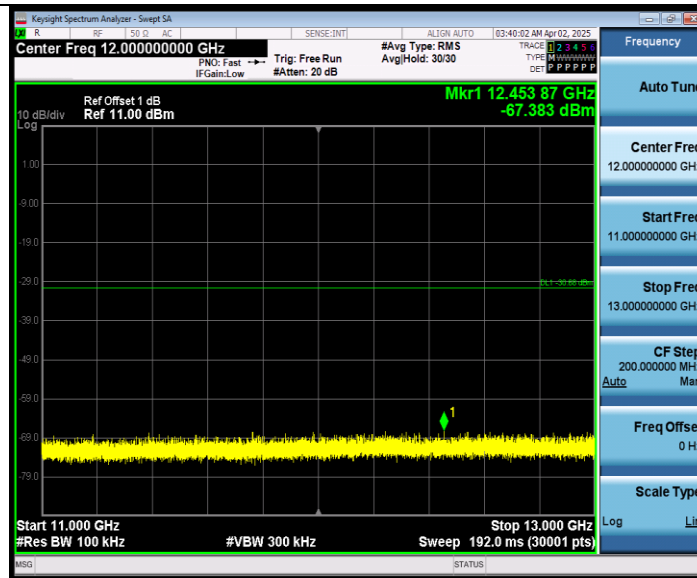
11N40SISO_Ant1_2452_7000~9000



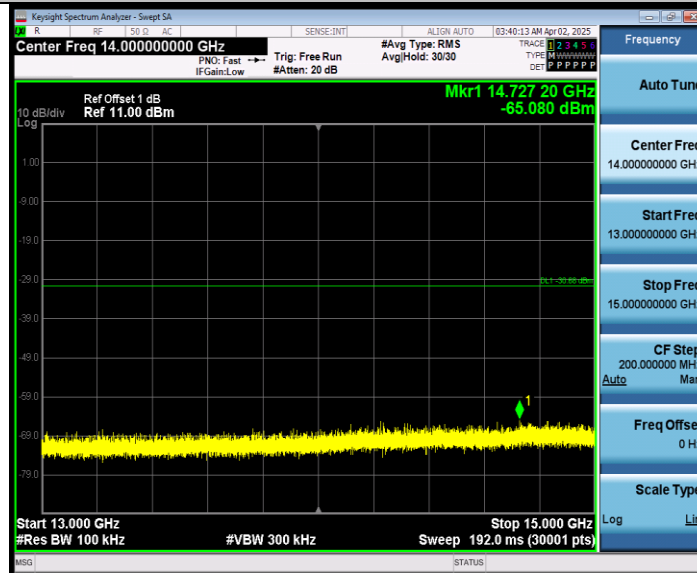
11N40SISO_Ant1_2452_9000~11000



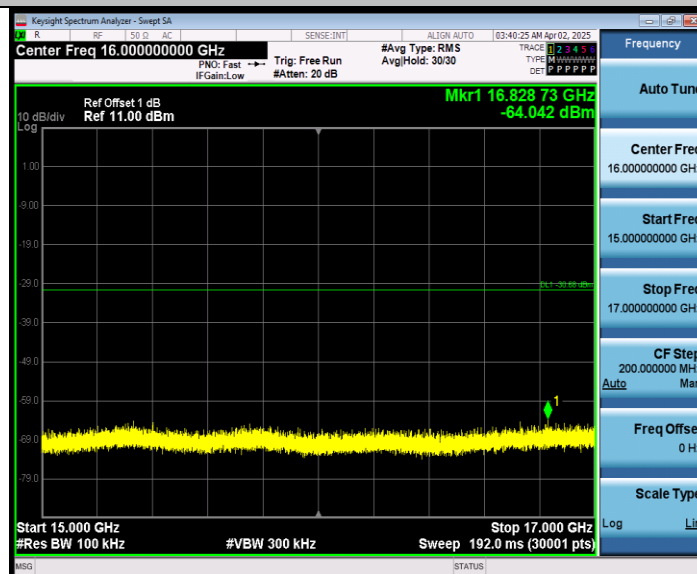
11N40SISO_Ant1_2452_11000~13000



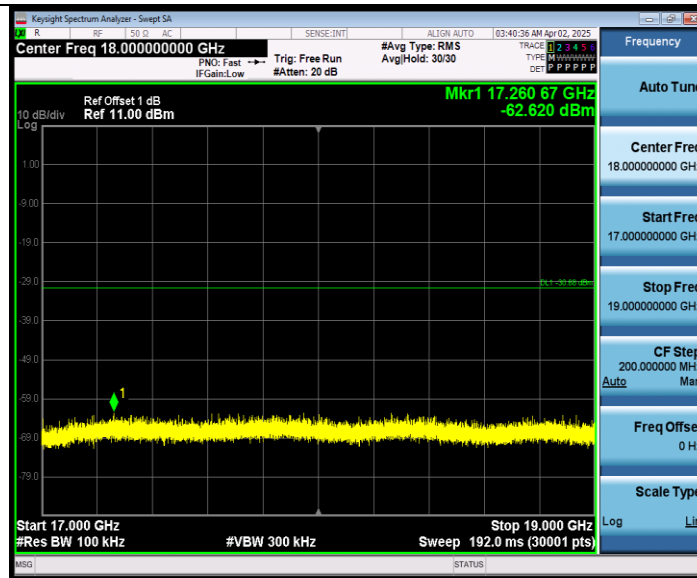
11N40SISO_Ant1_2452_13000~15000



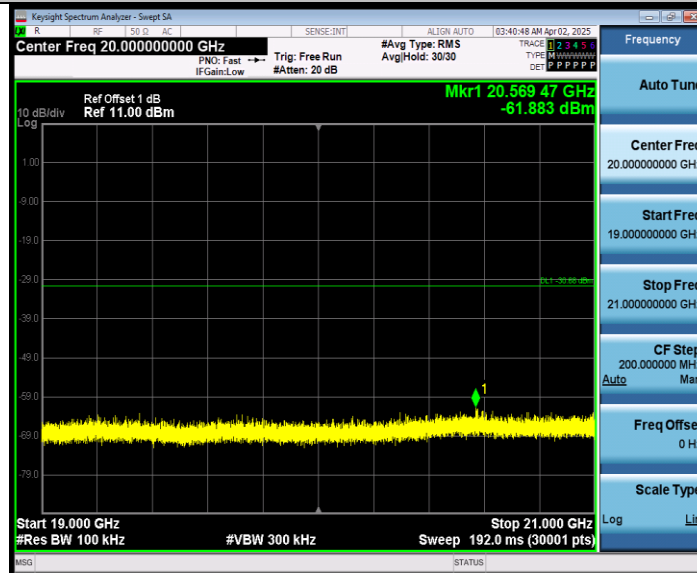
11N40SISO_Ant1_2452_15000~17000



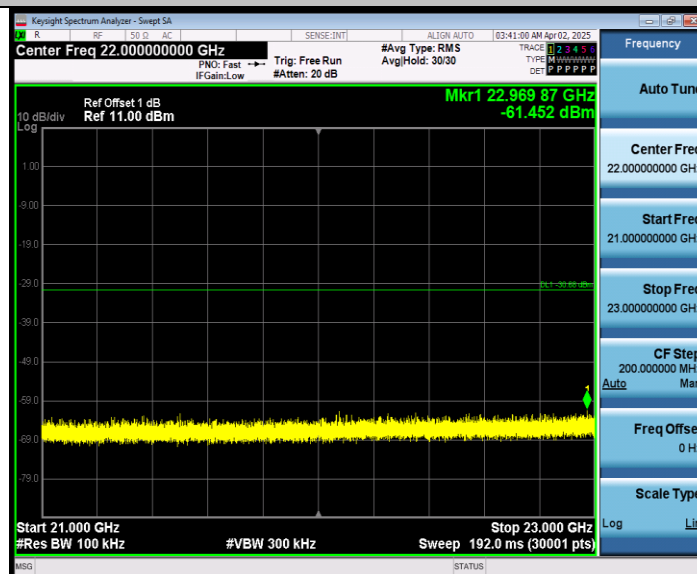
11N40SISO_Ant1_2452_17000~19000



11N40SISO_Ant1_2452_19000~21000



11N40SISO_Ant1_2452_21000~23000



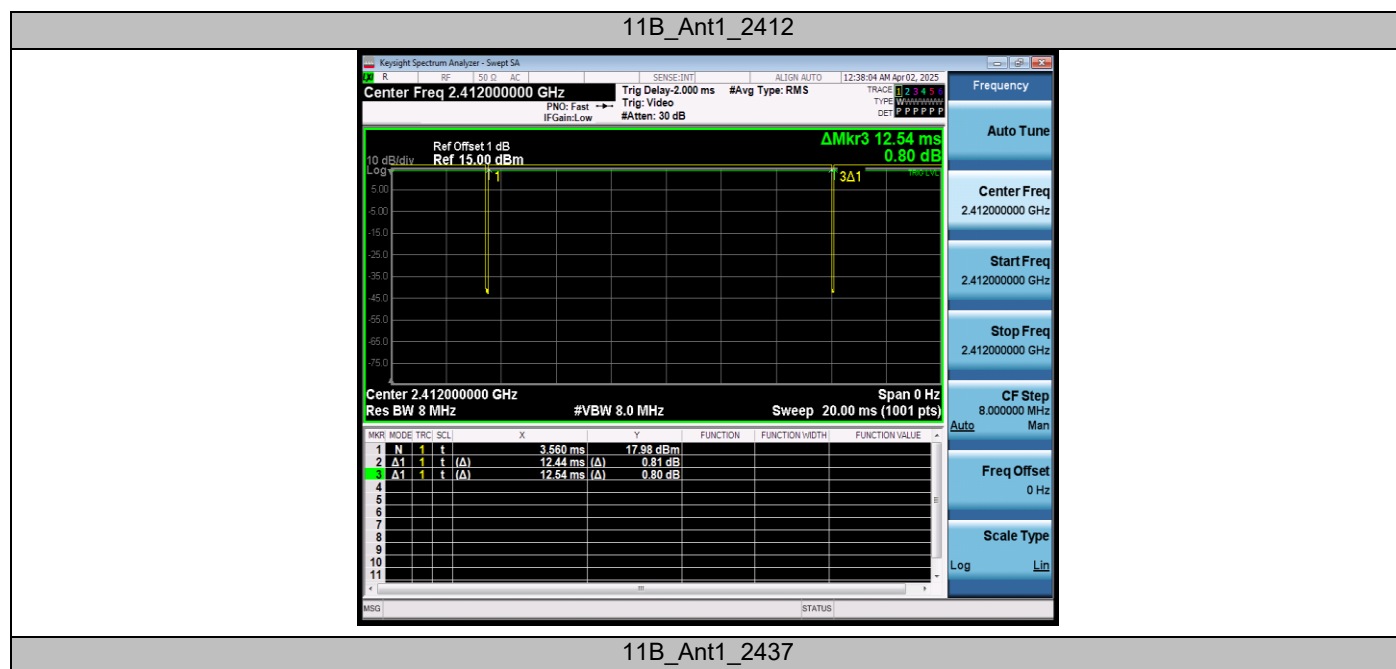
11N40SISO_Ant1_2452_23000~25000

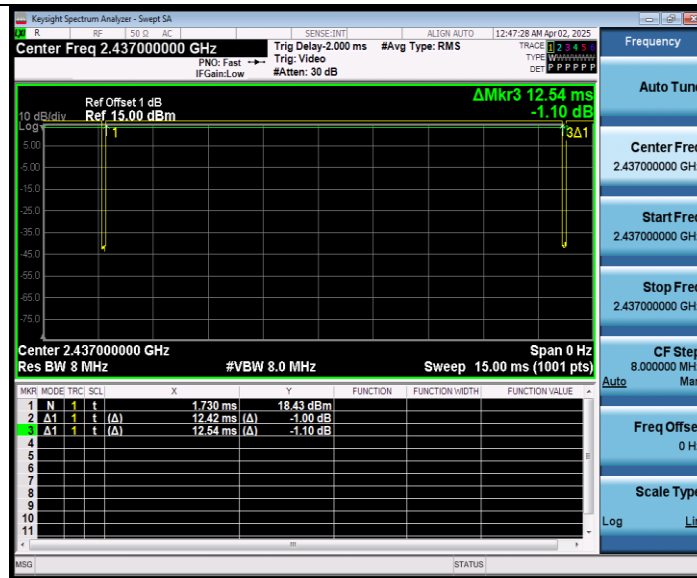


Appendix F: Duty Cycle

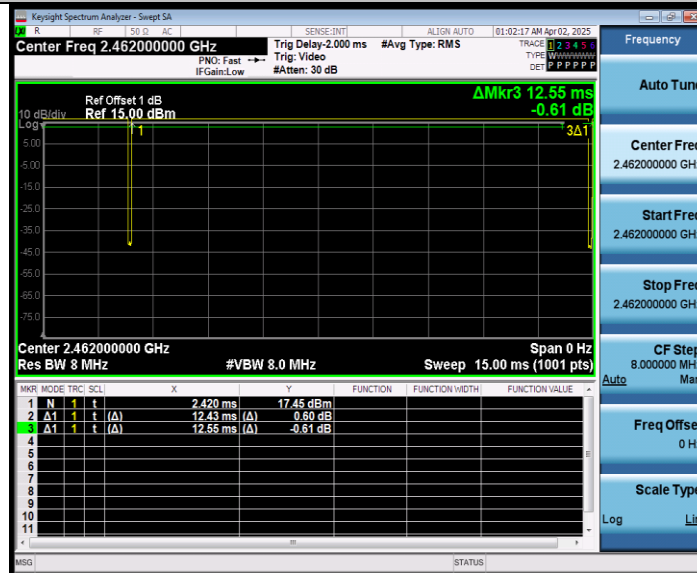
TestMode	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	2412	12.44	12.54	99.20	0.03
	2437	12.42	12.54	99.04	0.04
	2462	12.43	12.55	99.04	0.04
11G	2412	2.06	2.18	94.50	0.25
	2437	2.06	2.18	94.50	0.25
	2462	2.06	2.18	94.50	0.25
11N20SISO	2412	1.92	2.03	94.58	0.24
	2437	1.92	2.04	94.12	0.26
	2462	1.92	2.04	94.12	0.26
11N40SISO	2422	0.94	1.06	88.68	0.52
	2437	0.95	1.07	88.79	0.52
	2452	0.94	1.06	88.68	0.52

Test Graphs

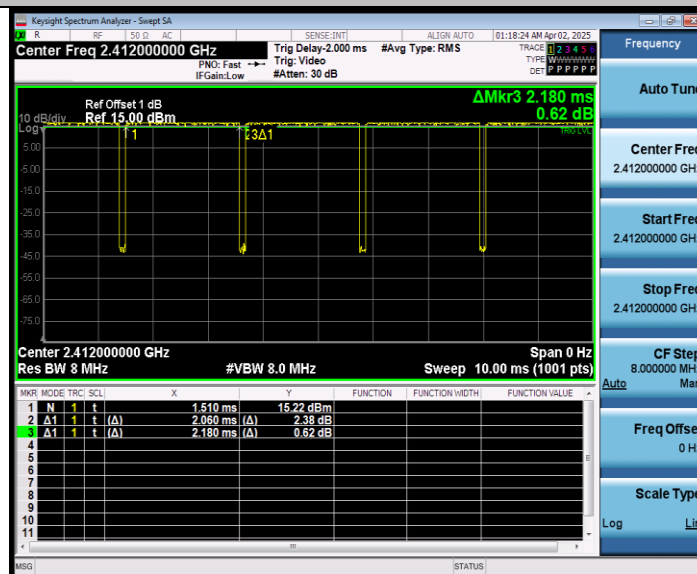




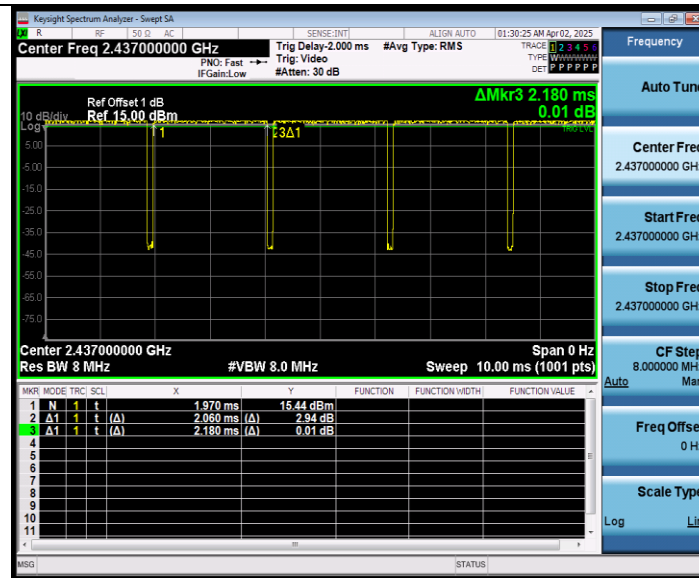
11B_Ant1_2462



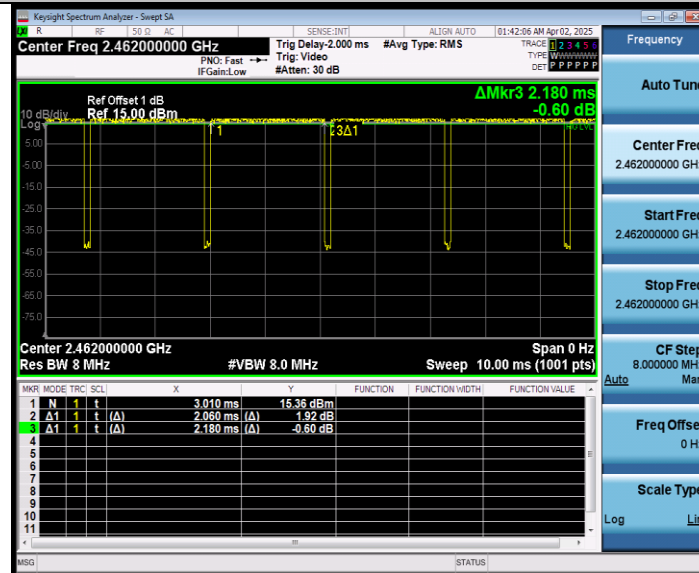
11G_Ant1_2412



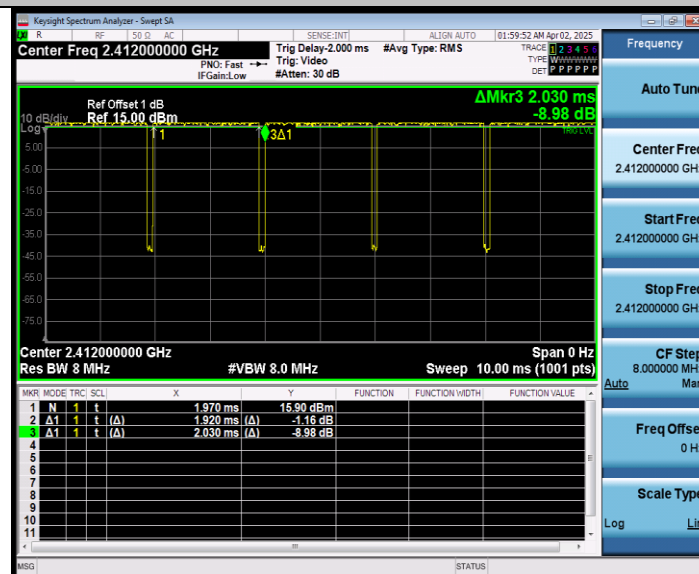
11G_Ant1_2437



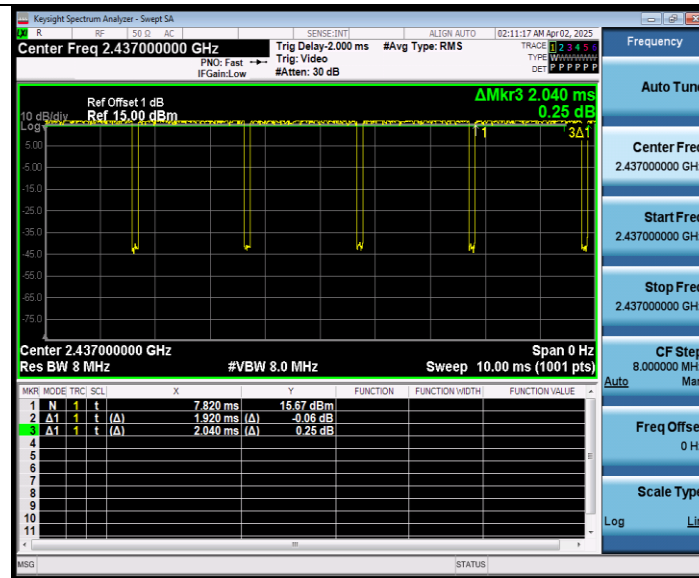
11G_Ant1_2462



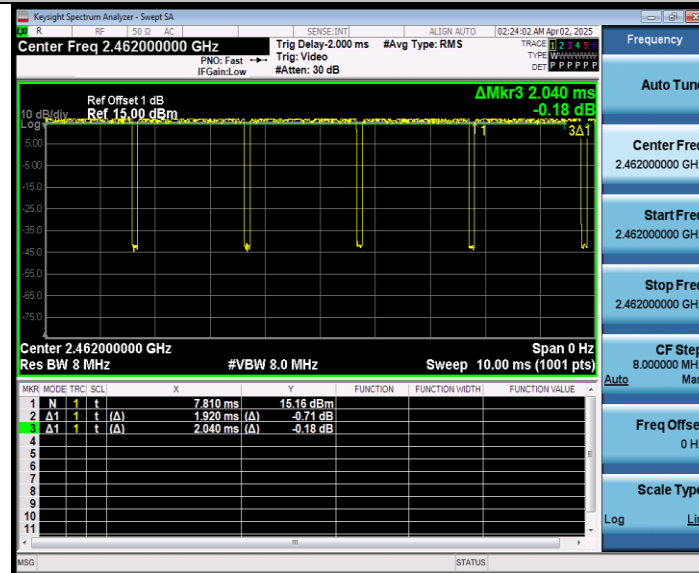
11N20SISO_Ant1_2412



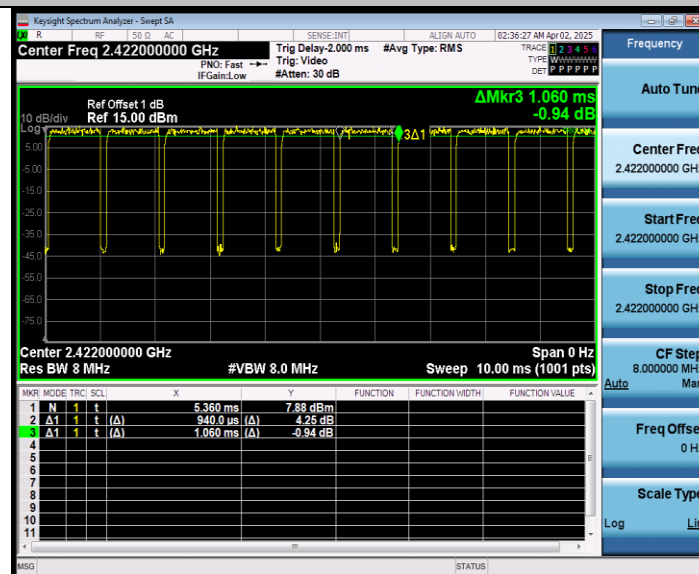
11N20SISO_Ant1_2437



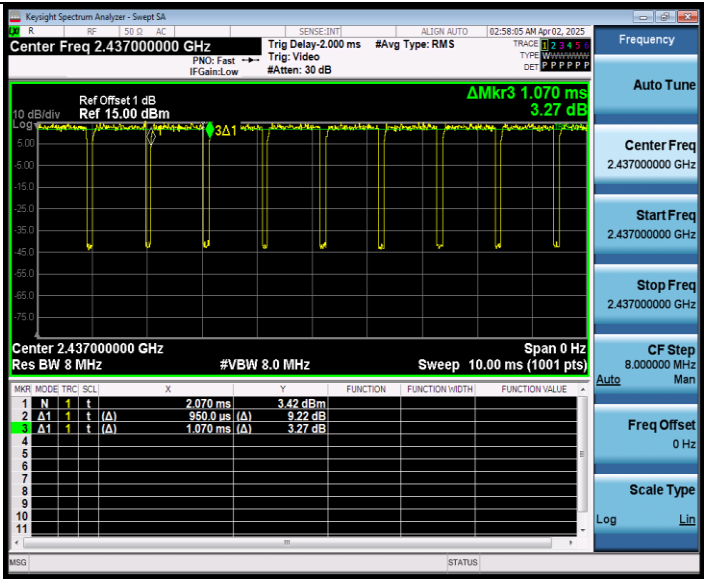
11N20SISO_Ant1_2462



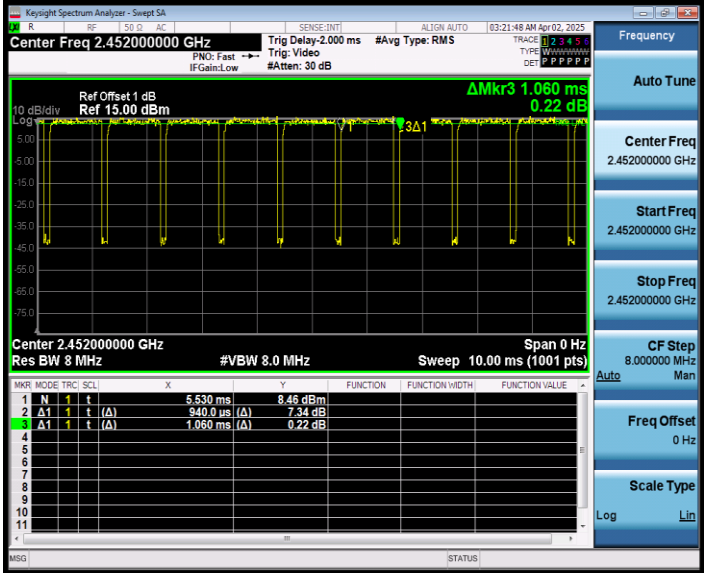
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



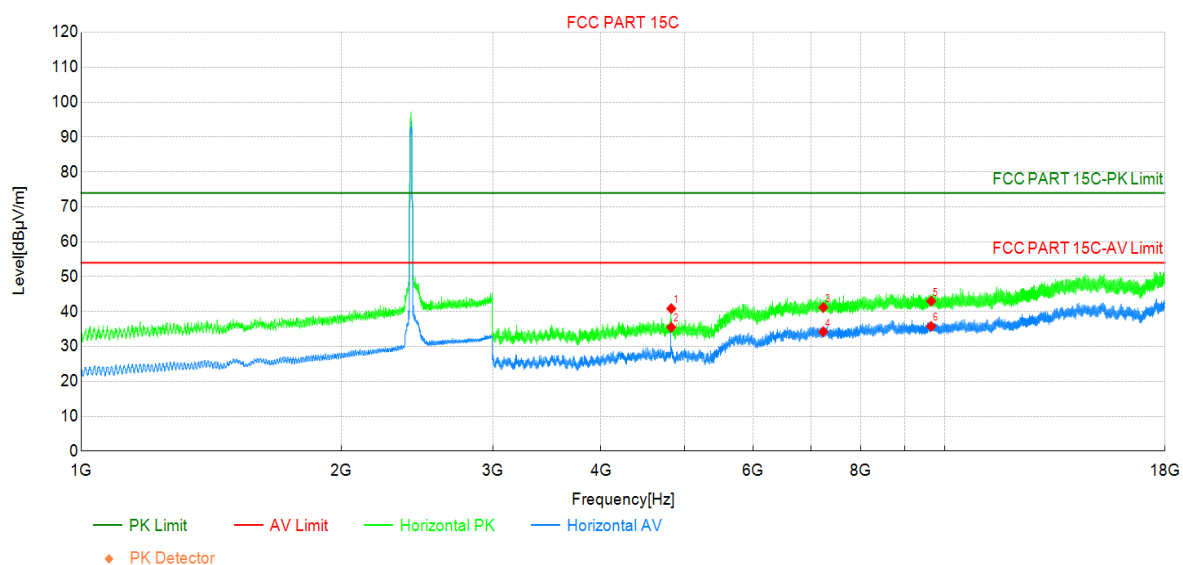
Appendix G: Emissions in Restricted Bands

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2412MHz by 802.11b	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

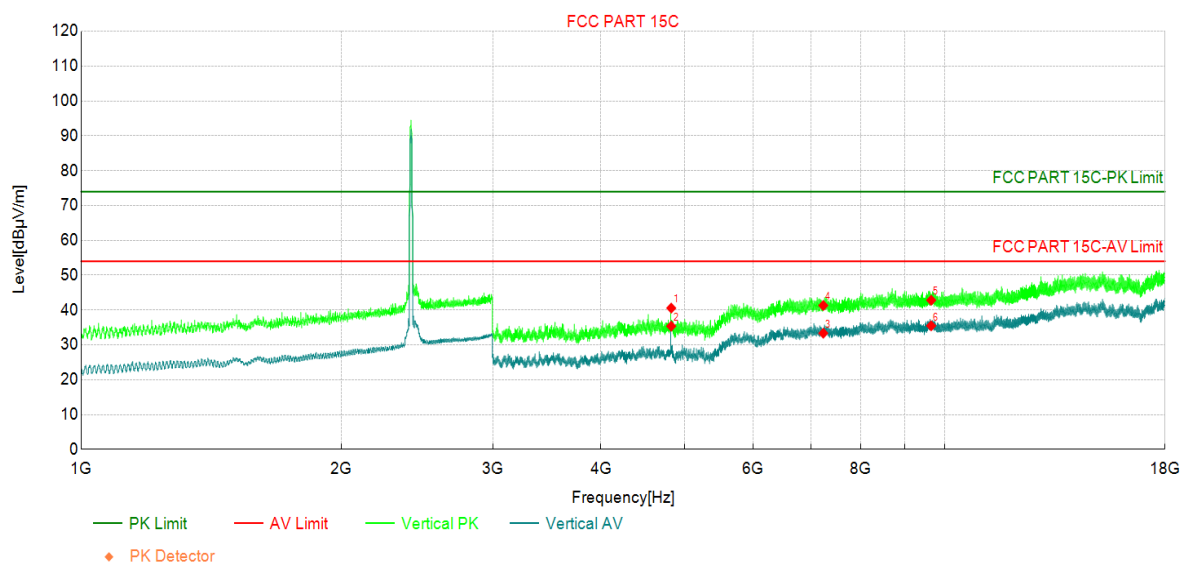
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	46.88	40.84	-6.04	74.00	33.16	PK	Horizo	PASS
2	4824.00	41.53	35.49	-6.04	54.00	18.51	AV	Horizo	PASS
3	7236.00	38.21	41.18	2.97	74.00	32.82	PK	Horizo	PASS
4	7236.00	31.26	34.23	2.97	54.00	19.77	AV	Horizo	PASS
5	9648.00	36.89	42.97	6.08	74.00	31.03	PK	Horizo	PASS
6	9648.00	29.68	35.76	6.08	54.00	18.24	AV	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2412MHz by 802.11b	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

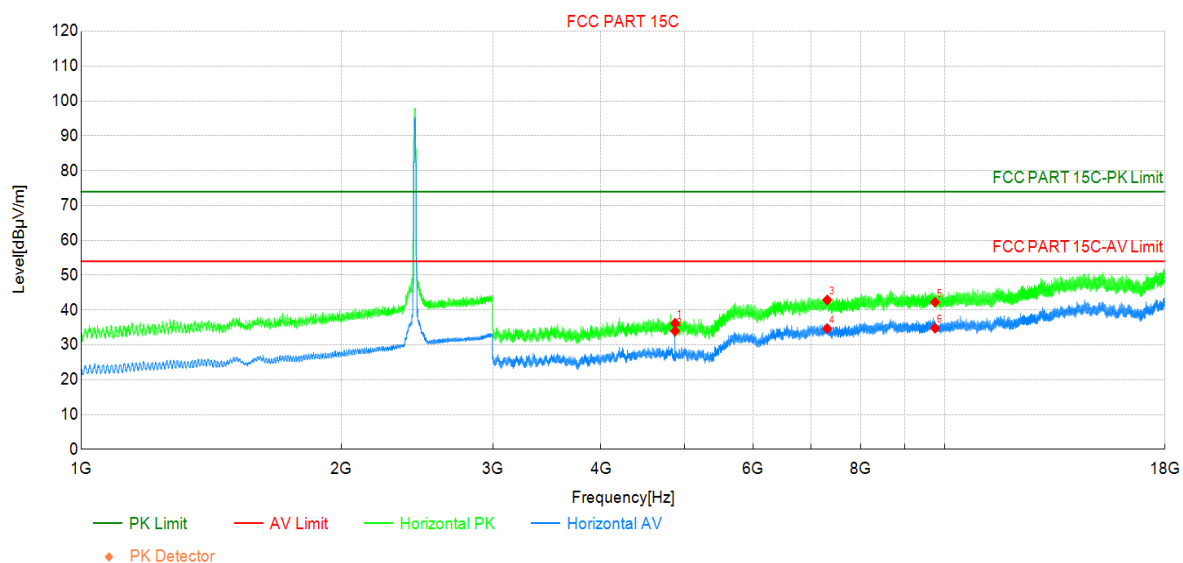
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	46.59	40.55	-6.04	74.00	33.45	PK	Vertic	PASS
2	4824.00	41.40	35.36	-6.04	54.00	18.64	AV	Vertic	PASS
3	7236.00	30.37	33.34	2.97	54.00	20.66	AV	Vertic	PASS
4	7236.00	38.33	41.30	2.97	74.00	32.70	PK	Vertic	PASS
5	9648.00	36.73	42.81	6.08	74.00	31.19	PK	Vertic	PASS
6	9648.00	29.39	35.47	6.08	54.00	18.53	AV	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2437MHz by 802.11b	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

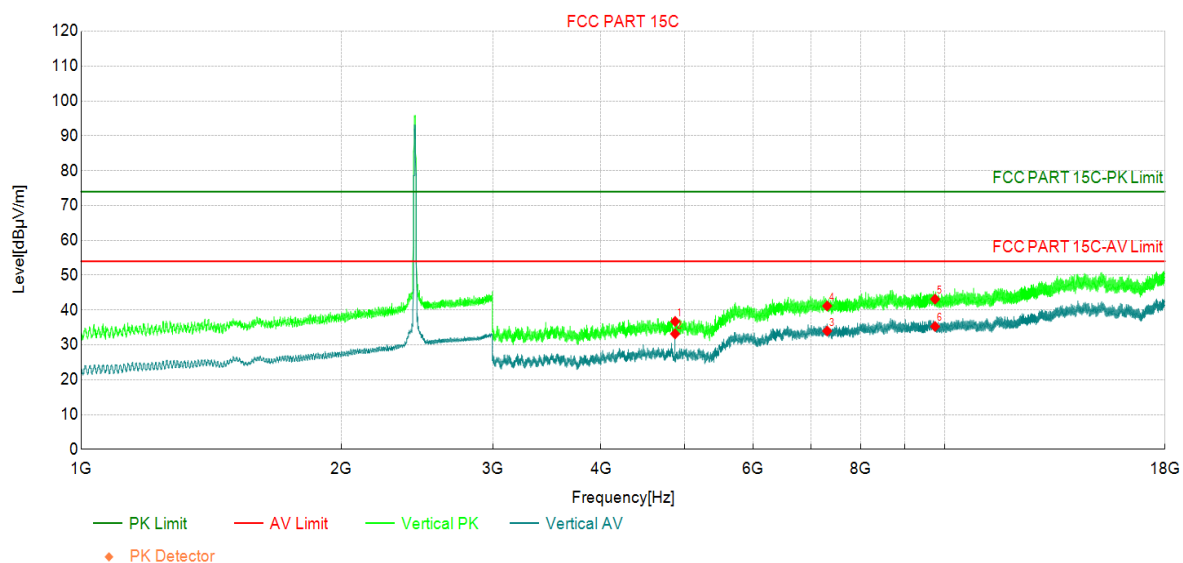
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	42.28	36.20	-6.08	74.00	37.80	PK	Horizo	PASS
2	4874.00	40.03	33.95	-6.08	54.00	20.05	AV	Horizo	PASS
3	7311.00	40.02	42.89	2.87	74.00	31.11	PK	Horizo	PASS
4	7311.00	31.82	34.69	2.87	54.00	19.31	AV	Horizo	PASS
5	9748.00	36.08	42.24	6.16	74.00	31.76	PK	Horizo	PASS
6	9748.00	28.63	34.79	6.16	54.00	19.21	AV	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2437MHz by 802.11b	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

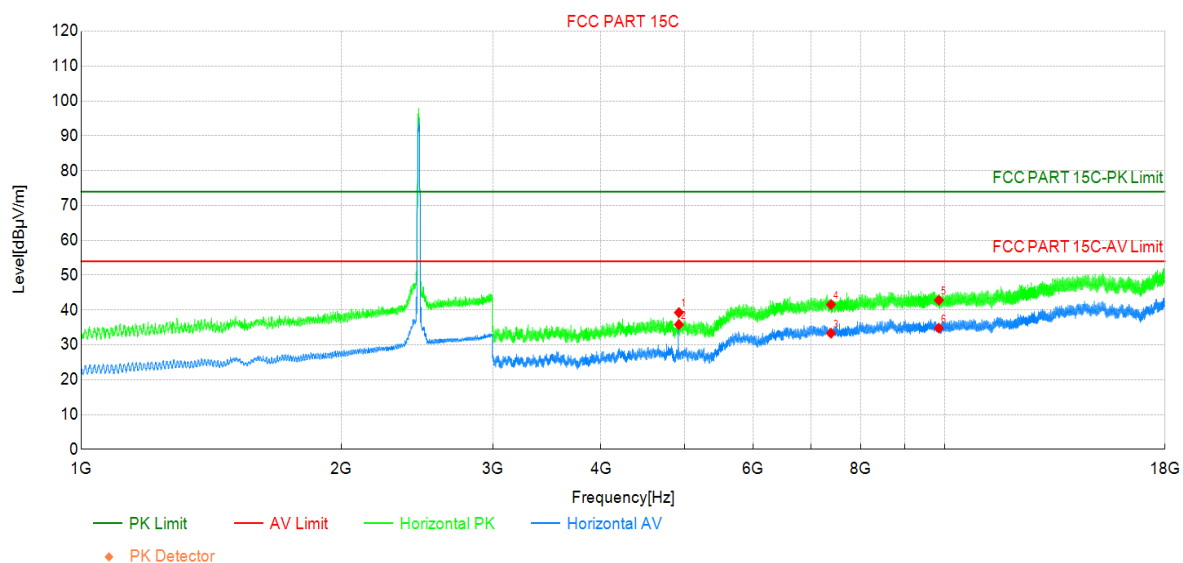
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	42.80	36.72	-6.08	74.00	37.28	PK	Vertic	PASS
2	4874.00	39.24	33.16	-6.08	54.00	20.84	AV	Vertic	PASS
3	7311.00	31.10	33.97	2.87	54.00	20.03	AV	Vertic	PASS
4	7311.00	38.30	41.17	2.87	74.00	32.83	PK	Vertic	PASS
5	9748.00	36.96	43.12	6.16	74.00	30.88	PK	Vertic	PASS
6	9748.00	29.13	35.29	6.16	54.00	18.71	AV	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2462MHz by 802.11b	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

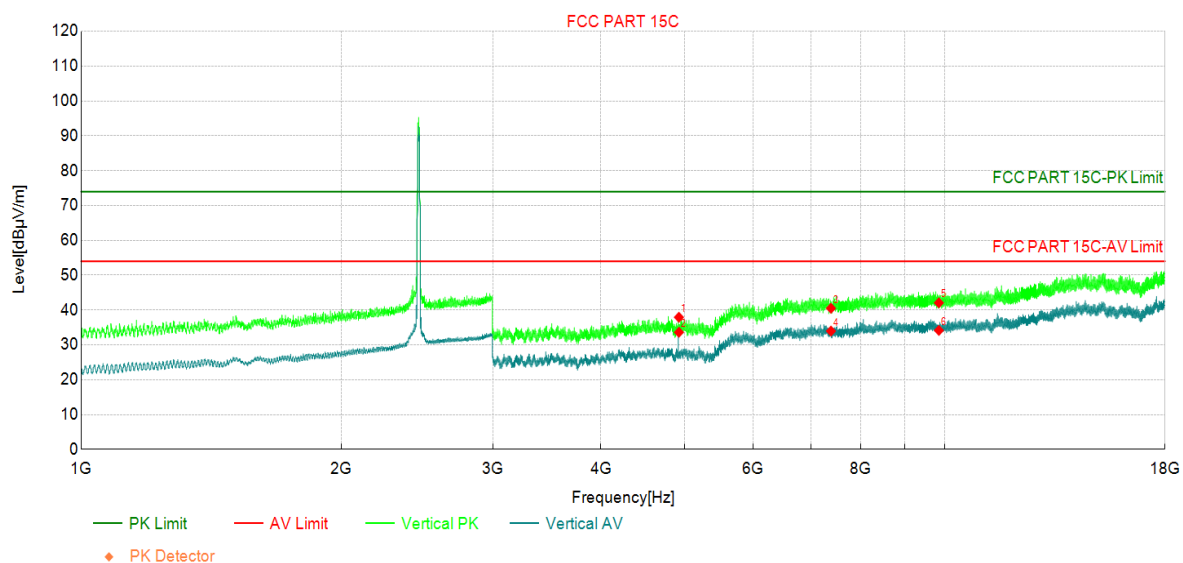
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	45.03	39.27	-5.76	74.00	34.73	PK	Horizo	PASS
2	4924.00	41.59	35.83	-5.76	54.00	18.17	AV	Horizo	PASS
3	7386.00	31.05	33.35	2.30	54.00	20.65	AV	Horizo	PASS
4	7386.00	39.29	41.59	2.30	74.00	32.41	PK	Horizo	PASS
5	9848.00	37.01	42.81	5.80	74.00	31.19	PK	Horizo	PASS
6	9848.00	29.00	34.80	5.80	54.00	19.20	AV	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 2462MHz by 802.11b	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

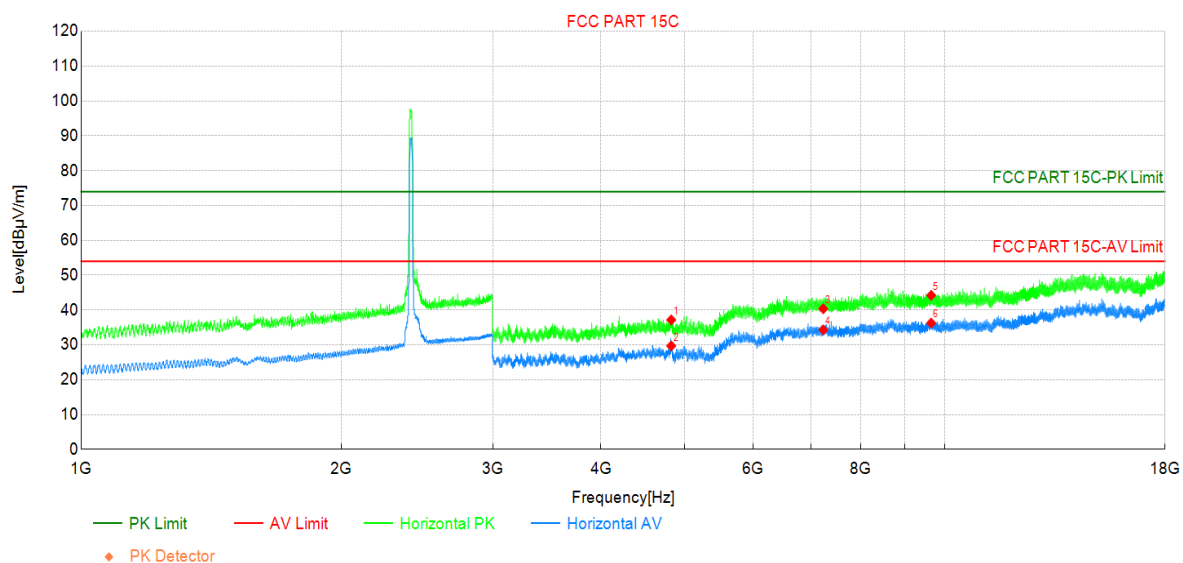
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	43.68	37.92	-5.76	74.00	36.08	PK	Vertic	PASS
2	4924.00	39.37	33.61	-5.76	54.00	20.39	AV	Vertic	PASS
3	7386.00	38.20	40.50	2.30	74.00	33.50	PK	Vertic	PASS
4	7386.00	31.66	33.96	2.30	54.00	20.04	AV	Vertic	PASS
5	9848.00	36.26	42.06	5.80	74.00	31.94	PK	Vertic	PASS
6	9848.00	28.35	34.15	5.80	54.00	19.85	AV	Vertic	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2412MHz by 802.11g	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List

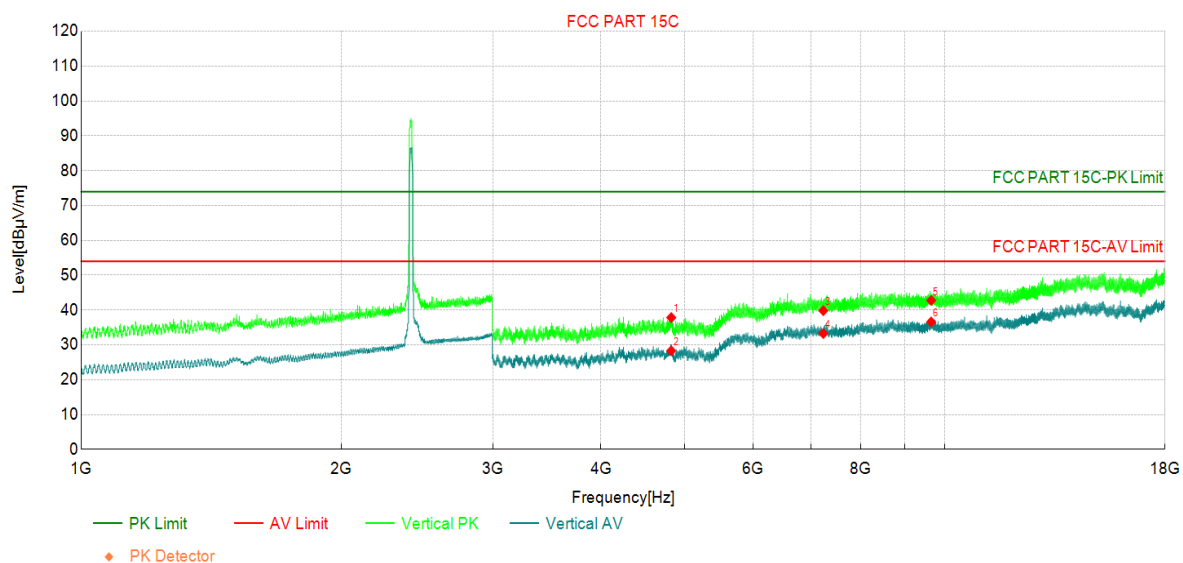
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	43.19	37.15	-6.04	74.00	36.85	PK	Horizo	PASS
2	4824.00	35.74	29.70	-6.04	54.00	24.30	AV	Horizo	PASS
3	7236.00	37.39	40.36	2.97	74.00	33.64	PK	Horizo	PASS
4	7236.00	31.33	34.30	2.97	54.00	19.70	AV	Horizo	PASS
5	9648.00	38.12	44.20	6.08	74.00	29.80	PK	Horizo	PASS
6	9648.00	30.18	36.26	6.08	54.00	17.74	AV	Horizo	PASS

Test Report

Project Information

Profile:	2520983R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 2412MHz by 802.11g	Volta	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engi	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	4824.00	43.87	37.83	-6.04	74.00	36.17	PK	Vertic	PASS
2	4824.00	34.33	28.29	-6.04	54.00	25.71	AV	Vertic	PASS
3	7236.00	36.85	39.82	2.97	74.00	34.18	PK	Vertic	PASS
4	7236.00	30.29	33.26	2.97	54.00	20.74	AV	Vertic	PASS
5	9648.00	36.67	42.75	6.08	74.00	31.25	PK	Vertic	PASS
6	9648.00	30.50	36.58	6.08	54.00	17.42	AV	Vertic	PASS