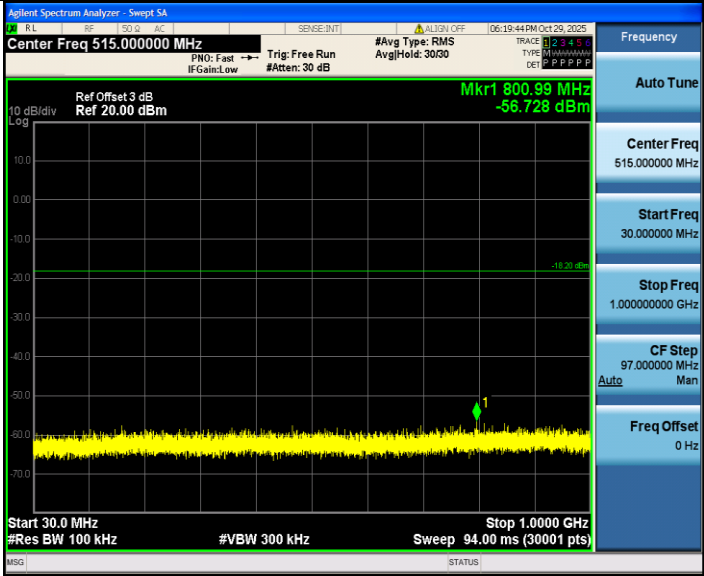




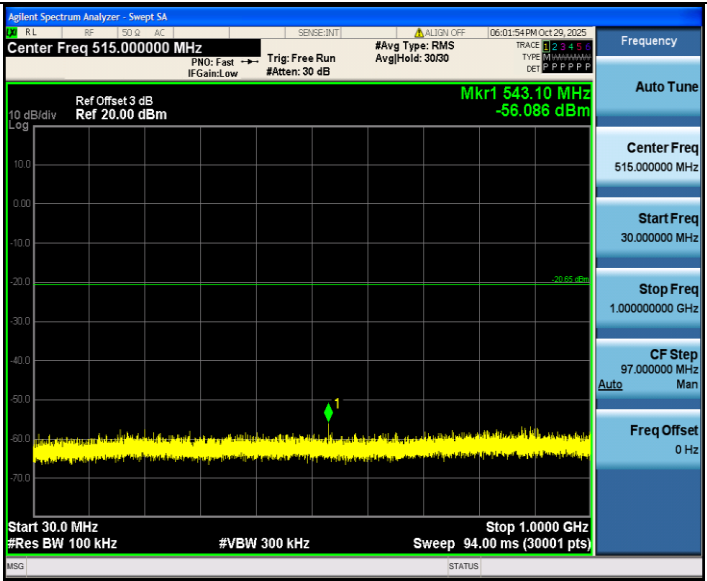
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~25000



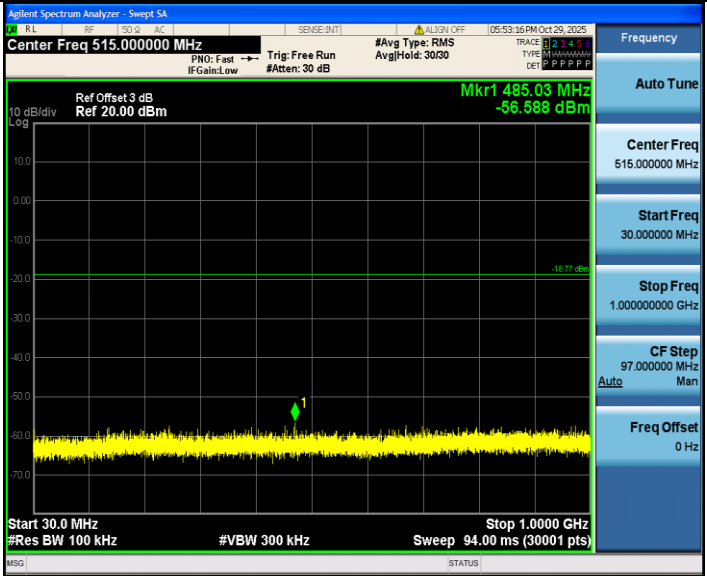
11G_Ant1_2437_30~1000



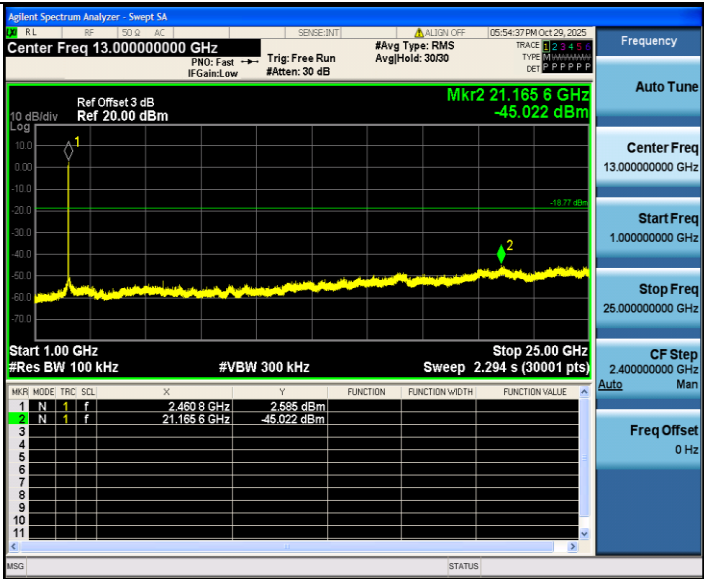
11G_Ant1_2437_1000~25000



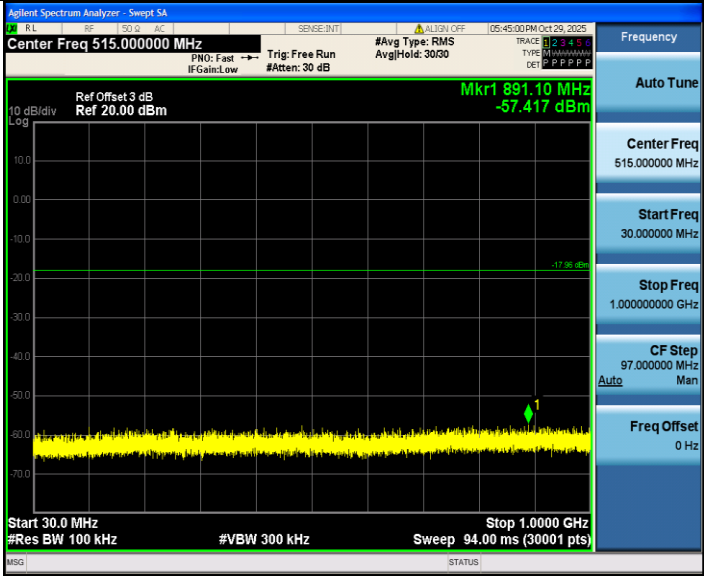
11G_Ant1_2462_30~1000



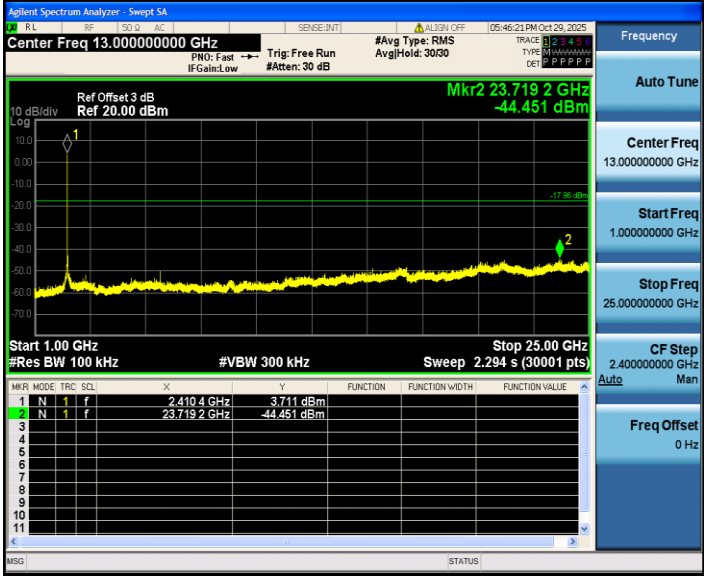
11G_Ant1_2462_1000~25000



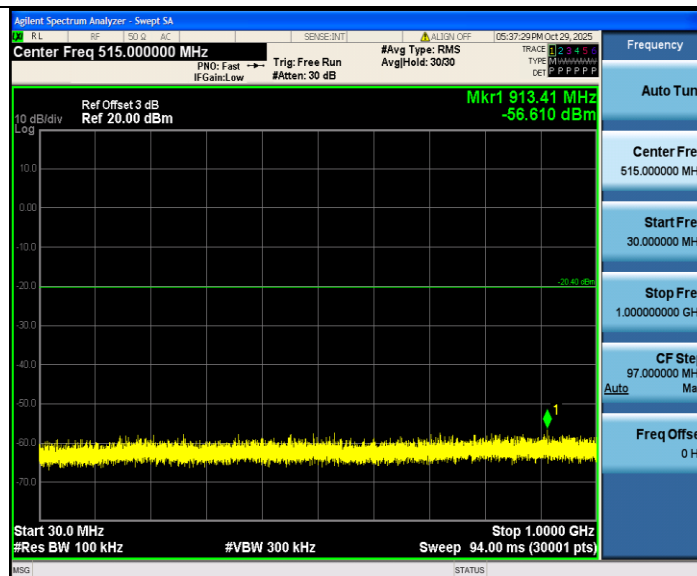
11N20SISO_Ant1_2412_30~1000



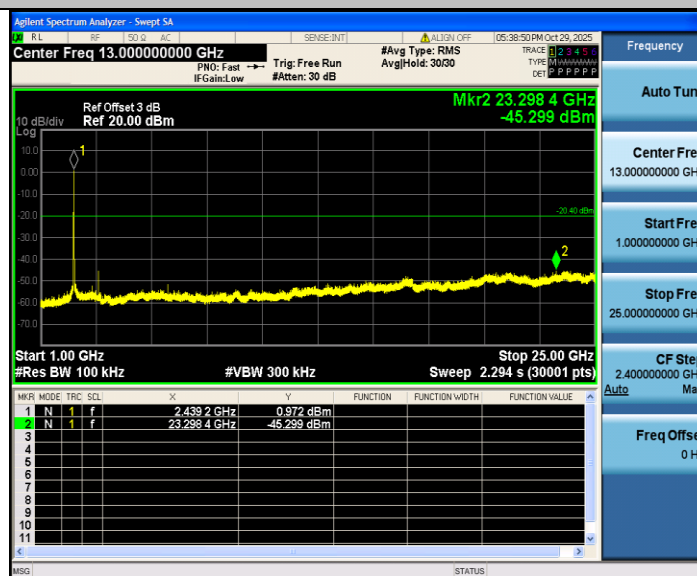
11N20SISO_Ant1_2412_1000~25000



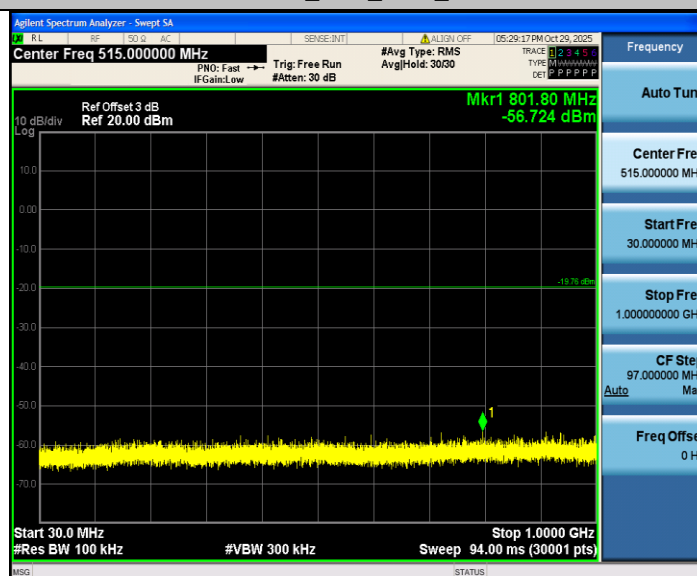
11N20SISO_Ant1_2437_30~1000



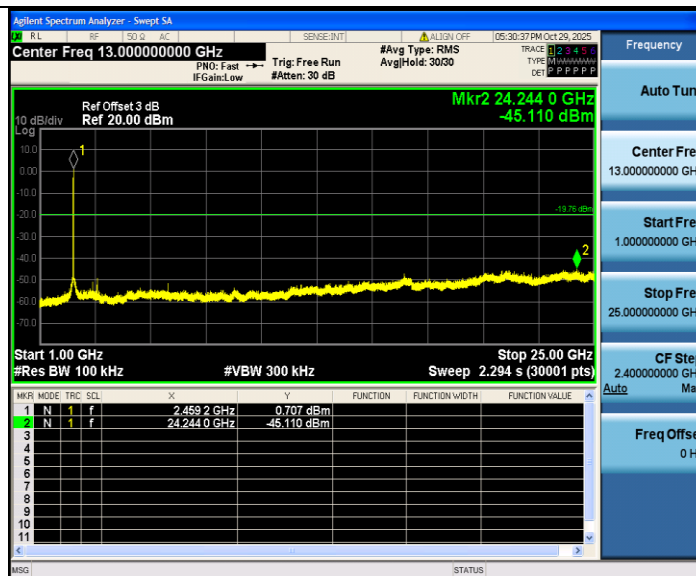
11N20SISO_Ant1_2437_1000~25000



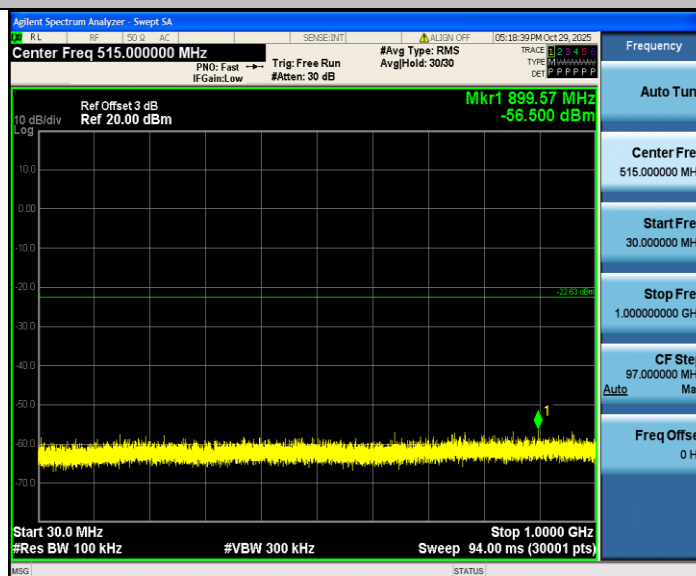
11N20SISO_Ant1_2462_30~1000



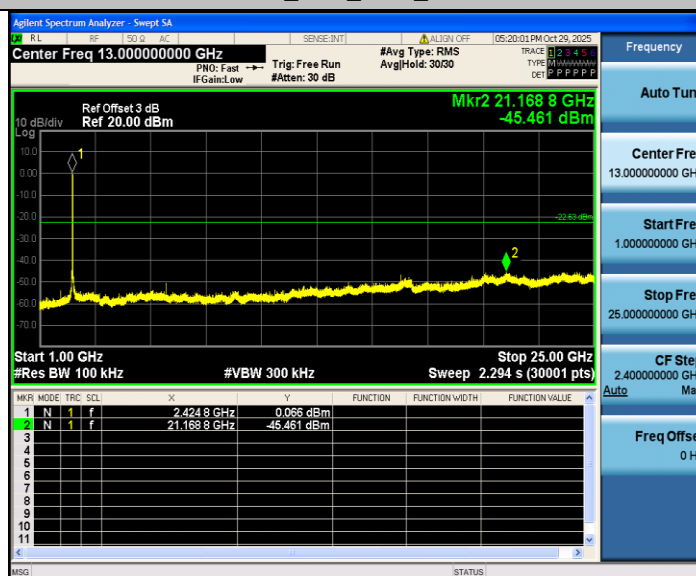
11N20SISO_Ant1_2462_1000~25000



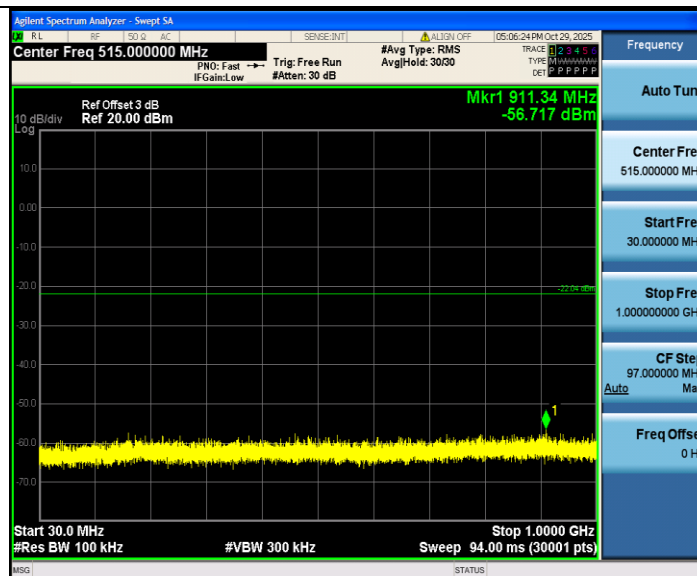
11N40SISO_Ant1_2422_30~1000



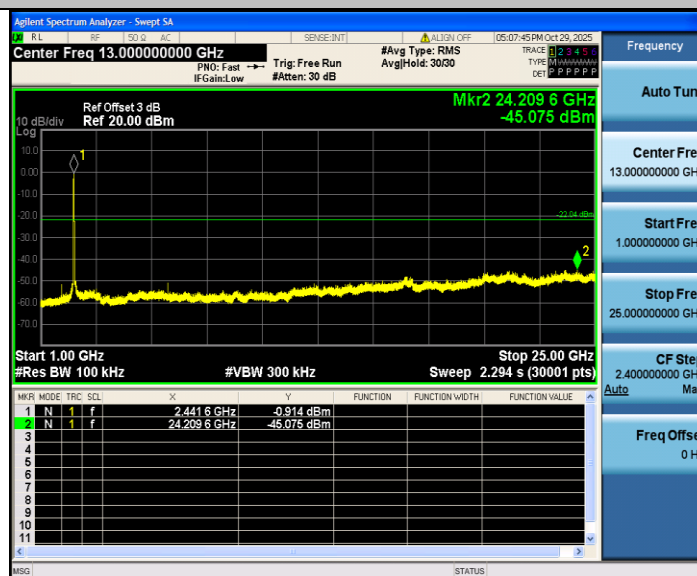
11N40SISO_Ant1_2422_1000~25000



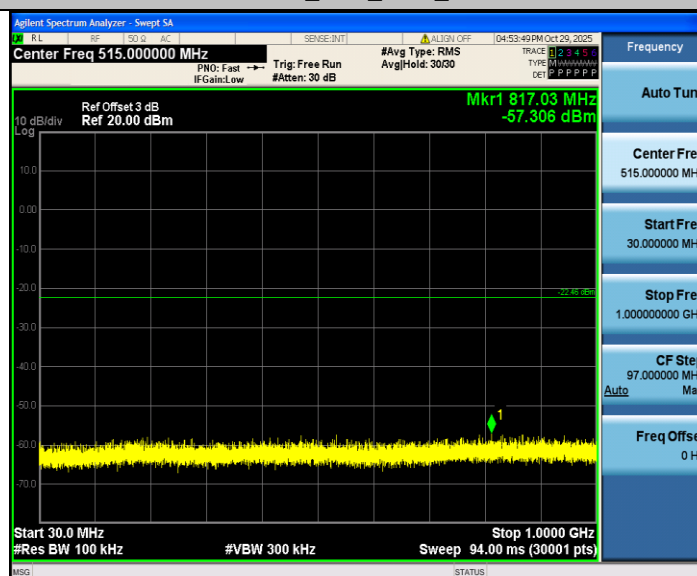
11N40SISO_Ant1_2437_30~1000



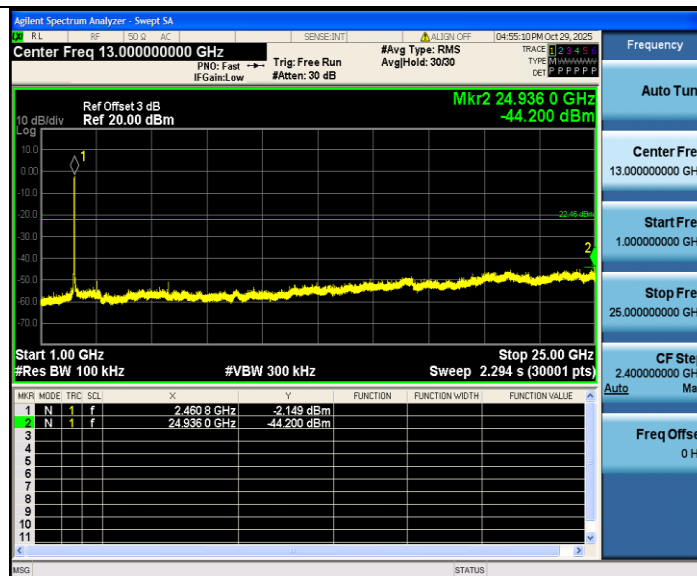
11N40SISO_Ant1_2437_1000~25000



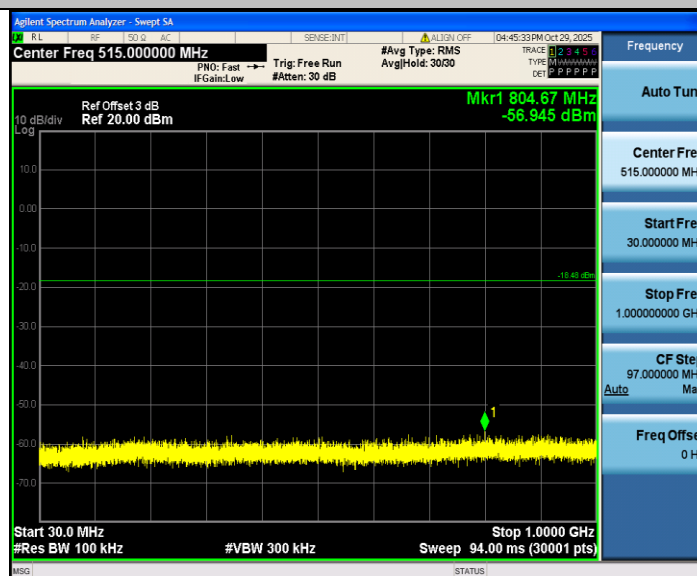
11N40SISO_Ant1_2452_30~1000



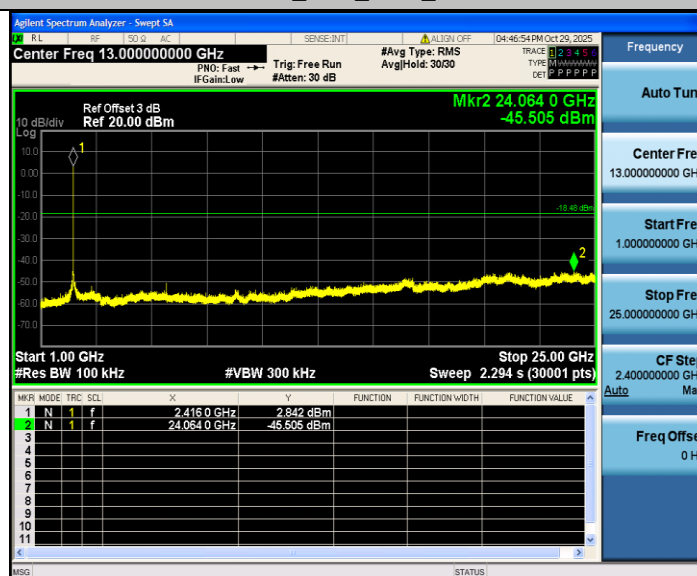
11N40SISO_Ant1_2452_1000~25000



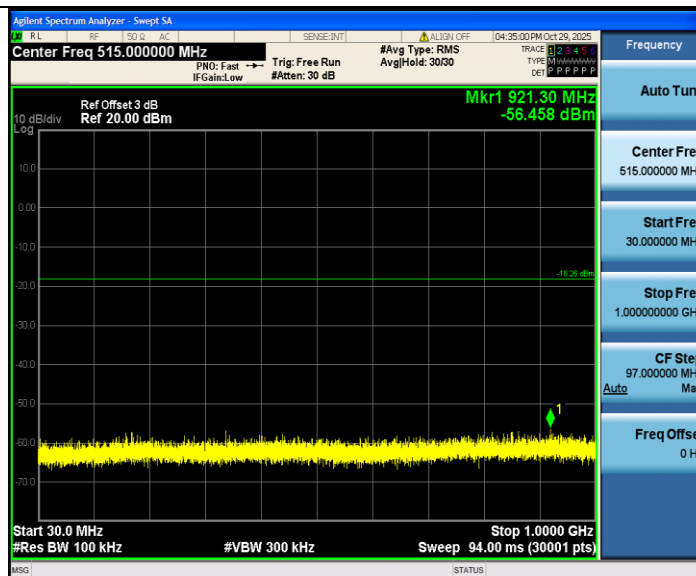
11AX20SISO_Ant1_2412_30~1000



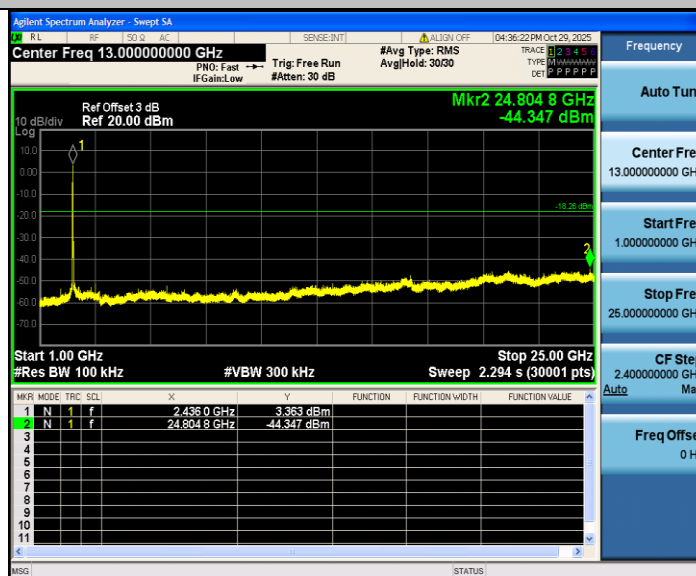
11AX20SISO_Ant1_2412_1000~25000



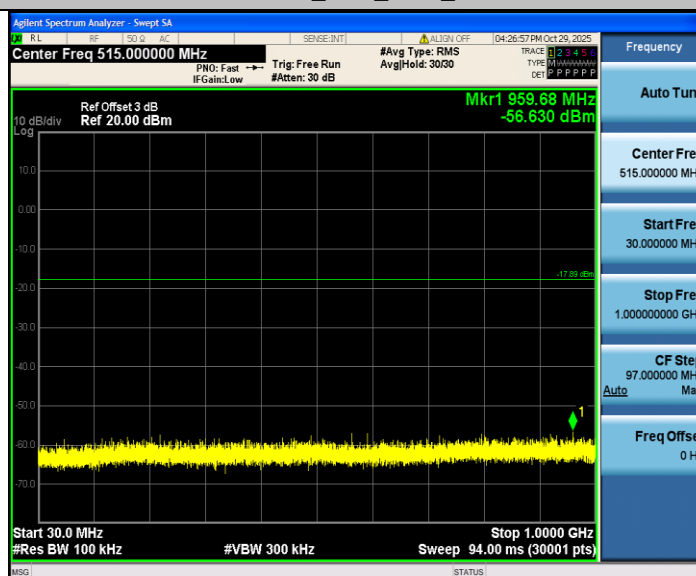
11AX20SISO_Ant1_2437_30~1000



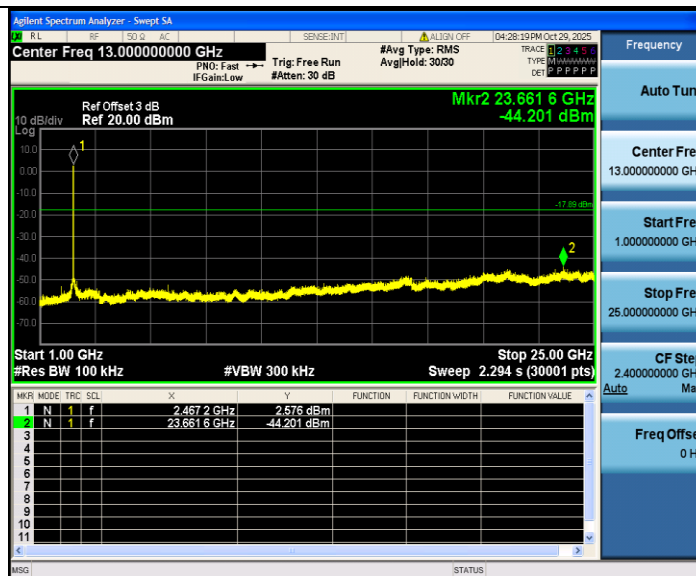
11AX20SISO_Ant1_2437_1000~25000



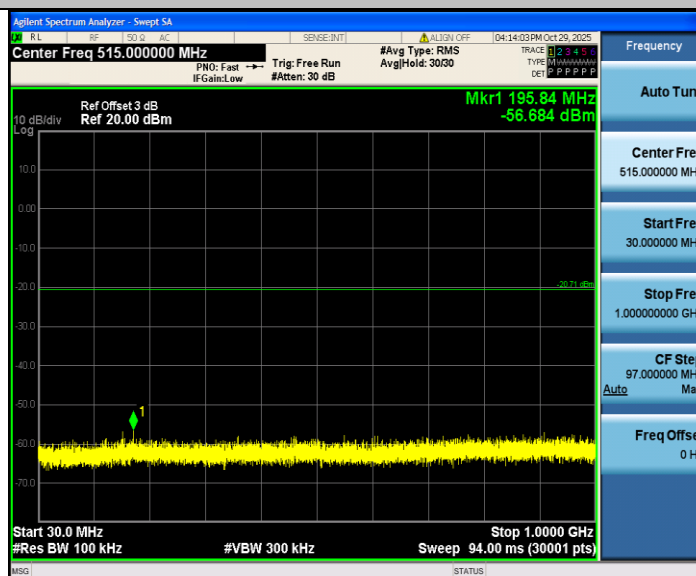
11AX20SISO_Ant1_2462_30~1000



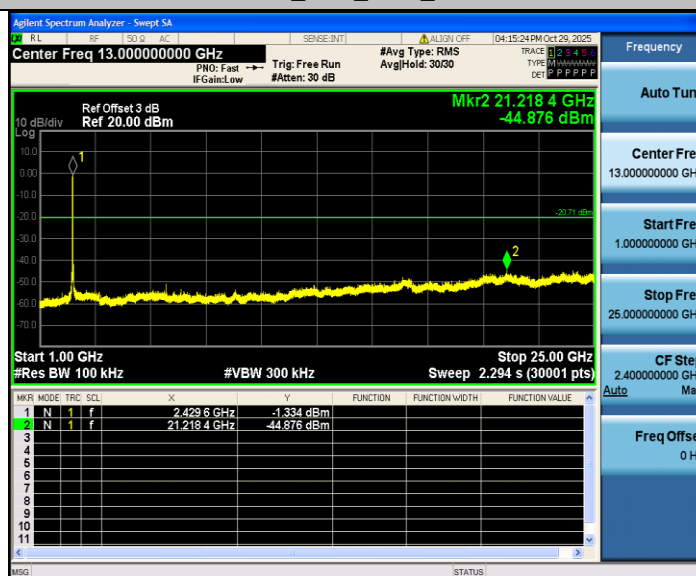
11AX20SISO_Ant1_2462_1000~25000



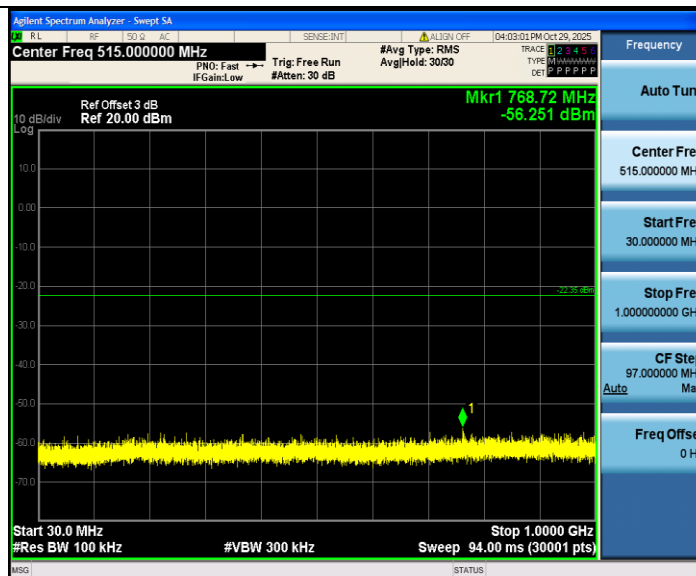
11AX40SISO_Ant1_2422_30~1000



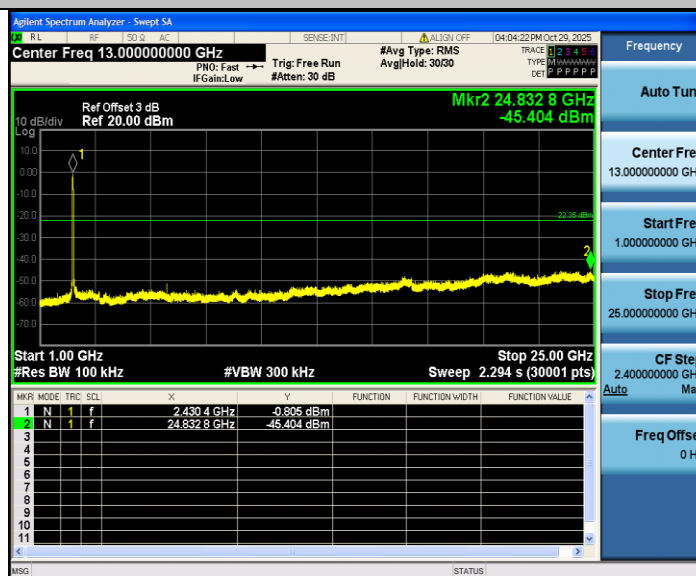
11AX40SISO_Ant1_2422_1000~25000



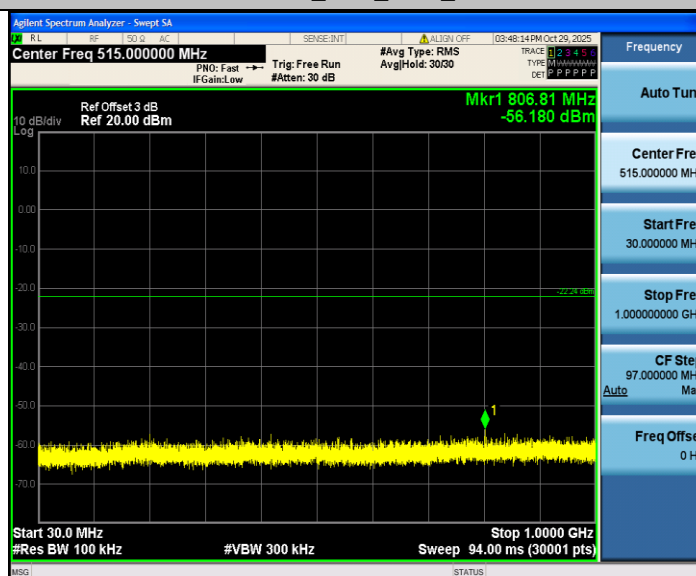
11AX40SISO_Ant1_2437_30~1000



11AX40SISO_Ant1_2437_1000~25000



11AX40SISO_Ant1_2452_30~1000



11AX40SISO_Ant1_2452_1000~25000



Note: We have evaluated each antenna and both SISO and MIMO mode, only worst data shown in report.

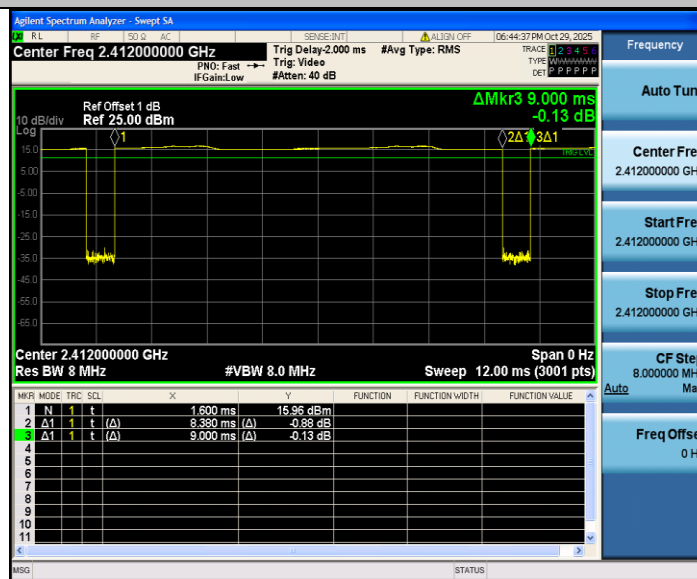
Appendix F: Test results of Duty cycle

Test Result

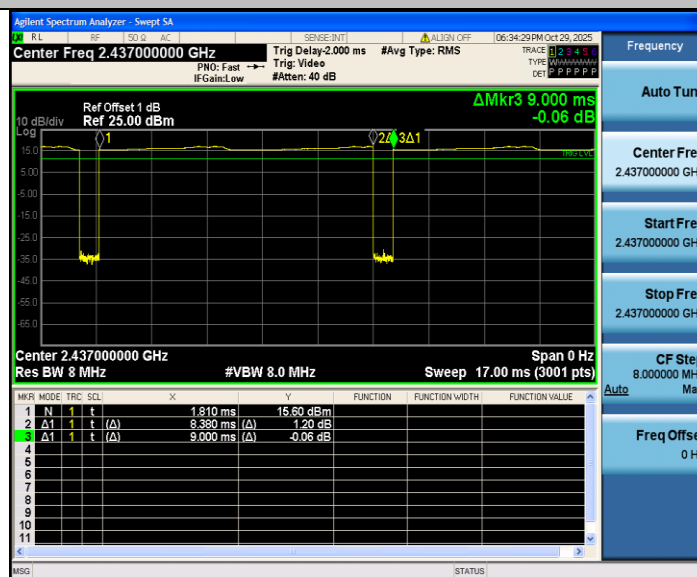
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	9.00	93.11	0.31
11B	Ant1	2437	8.38	9.00	93.11	0.31
11B	Ant1	2462	8.39	8.43	99.53	0.02
11G	Ant1	2412	1.39	2.01	69.15	1.60
11G	Ant1	2437	1.39	2.01	69.15	1.60
11G	Ant1	2462	1.39	2.01	69.15	1.60
11N20	Ant1	2412	1.30	1.92	67.71	1.69
11N20	Ant1	2437	1.30	1.92	67.71	1.69
11N20	Ant1	2462	1.30	1.92	67.71	1.69
11N40	Ant1	2422	0.65	1.25	52.00	2.84
11N40	Ant1	2437	0.65	1.25	52.00	2.84
11N40	Ant1	2452	0.65	1.28	50.78	2.94
11AX20	Ant1	2412	0.56	1.19	47.06	3.27
11AX20	Ant1	2437	0.56	1.16	48.28	3.16
11AX20	Ant1	2462	0.56	1.16	48.28	3.16
11AX40	Ant1	2422	0.32	0.95	33.68	4.73
11AX40	Ant1	2437	0.32	0.95	33.68	4.73
11AX40	Ant1	2452	0.32	0.94	34.04	4.68

Test Graphs

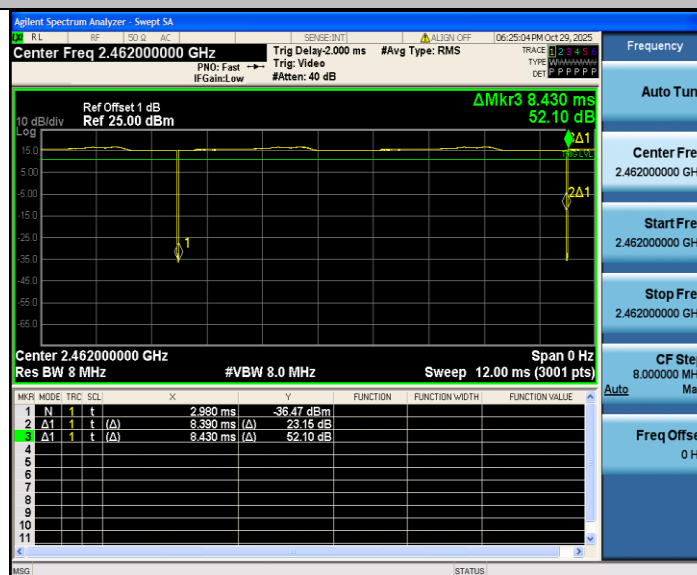
11B_Ant1_2412



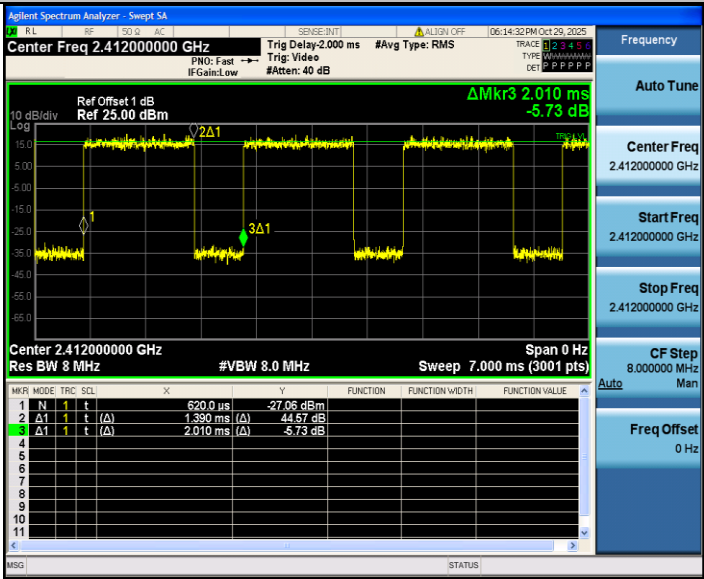
11B_Ant1_2437



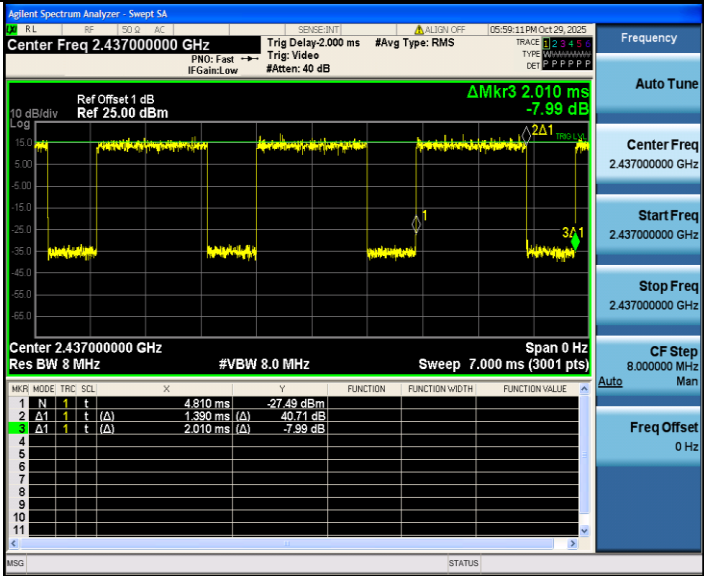
11B_Ant1_2462



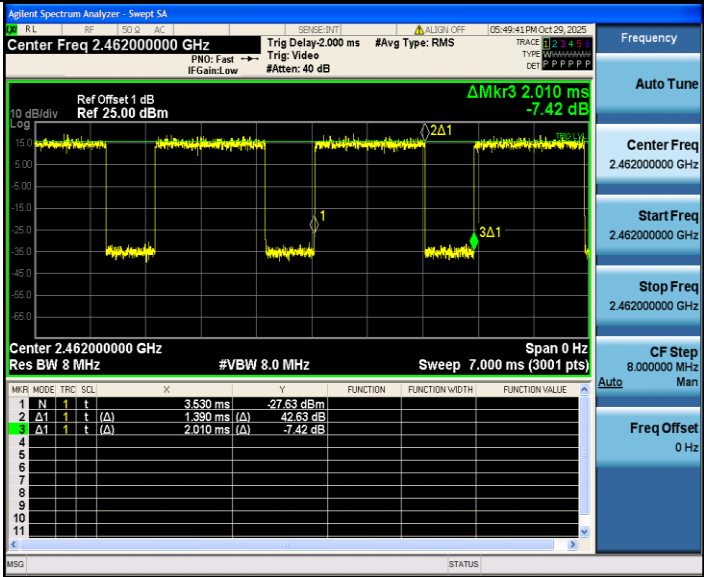
11G_Ant1_2412



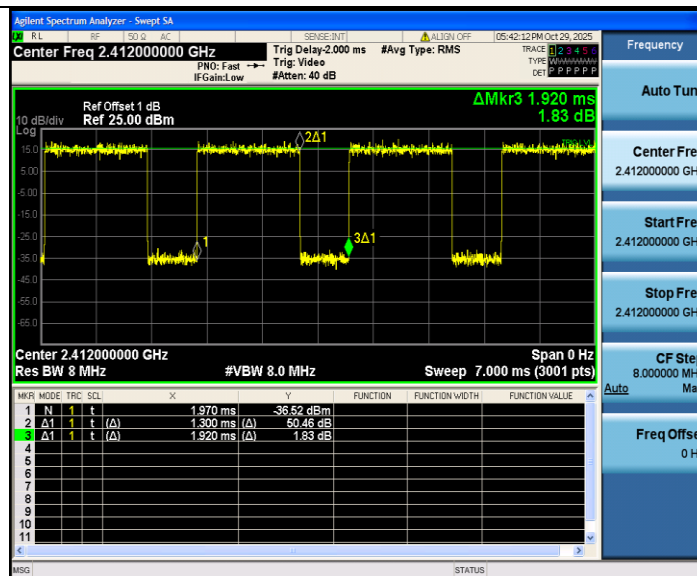
11G_Ant1_2437



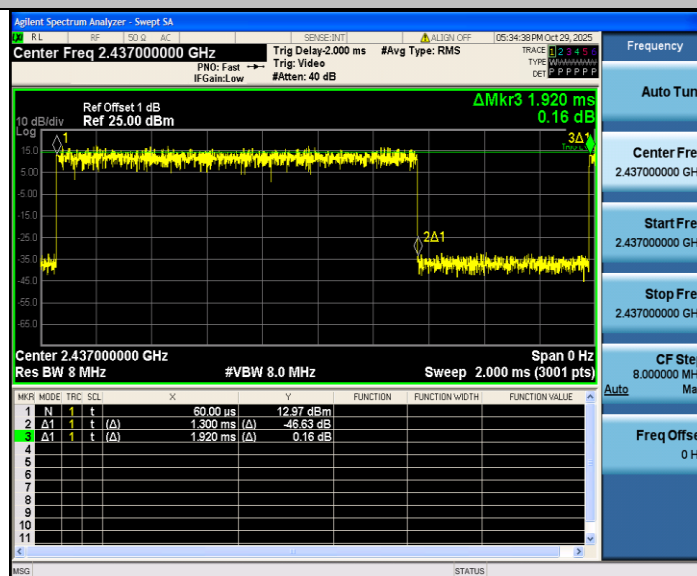
11G_Ant1_2462



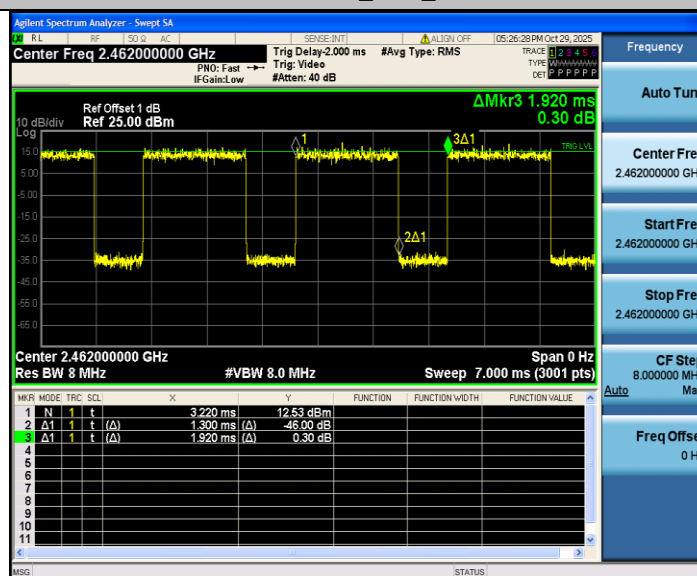
11N20SISO_Ant1_2412



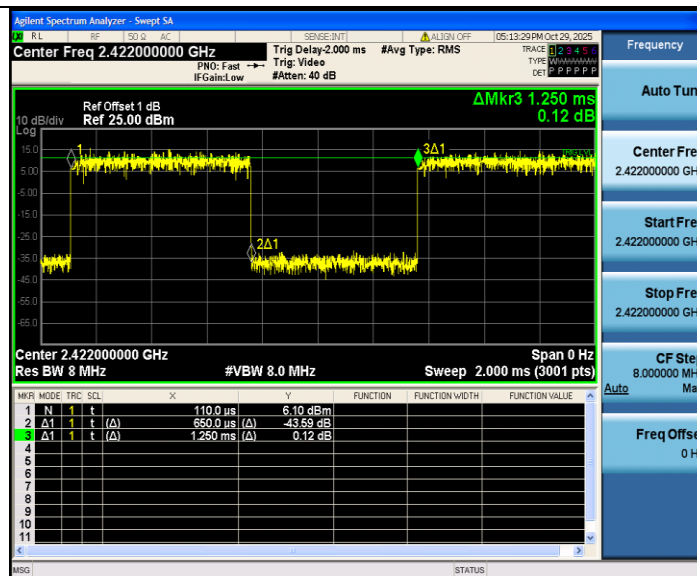
11N20SISO_Ant1_2437



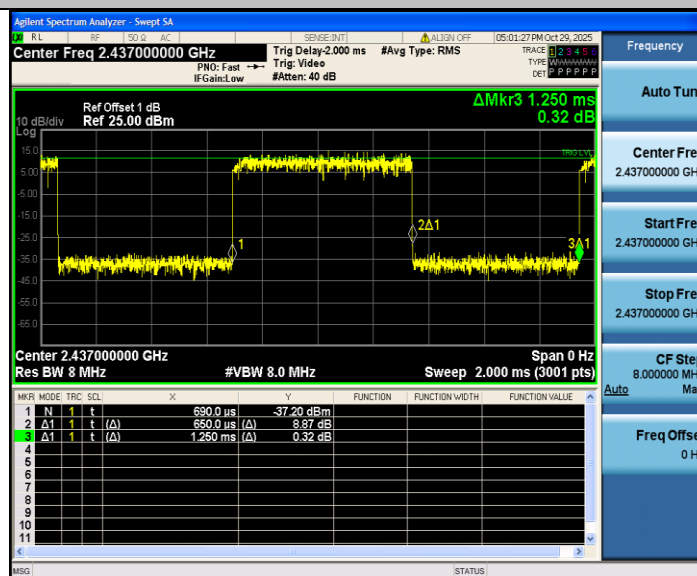
11N20SISO_Ant1_2462



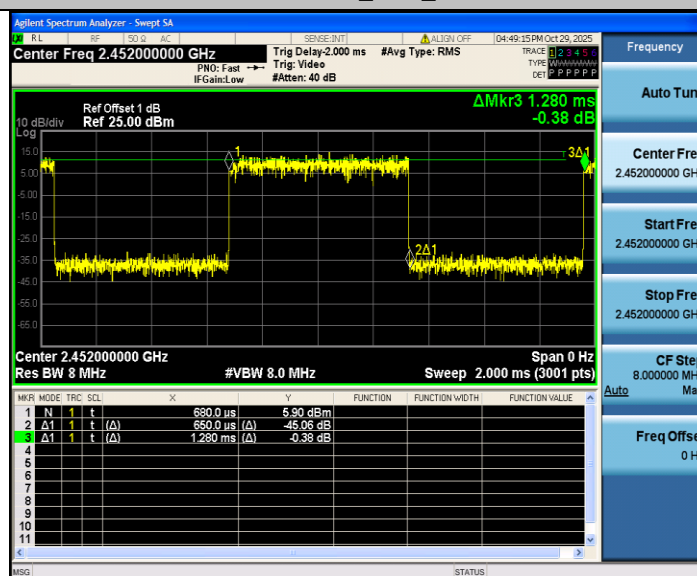
11N40SISO_Ant1_2422



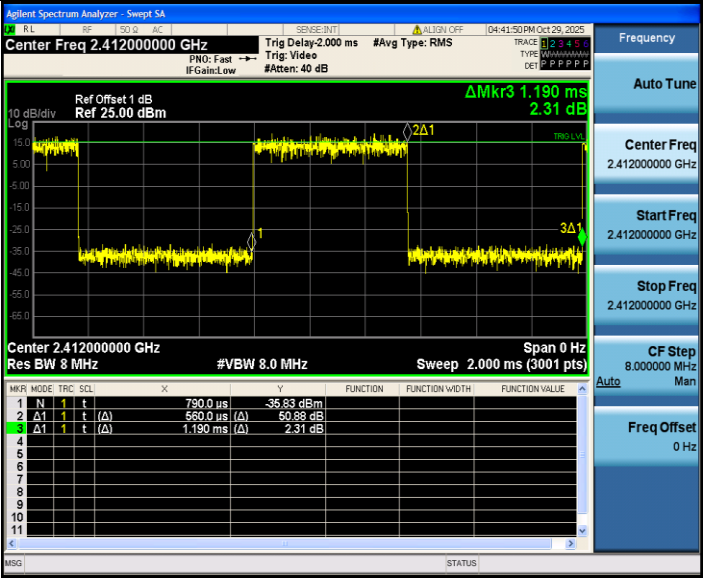
11N40SISO_Ant1_2437



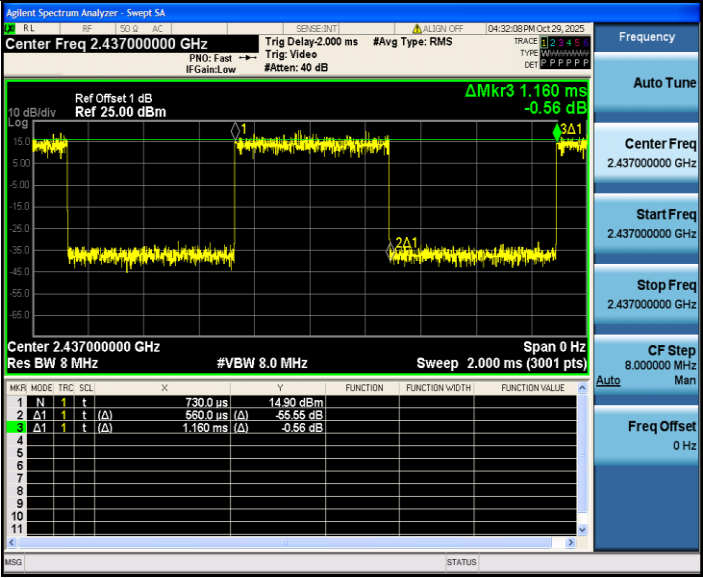
11N40SISO_Ant1_2452



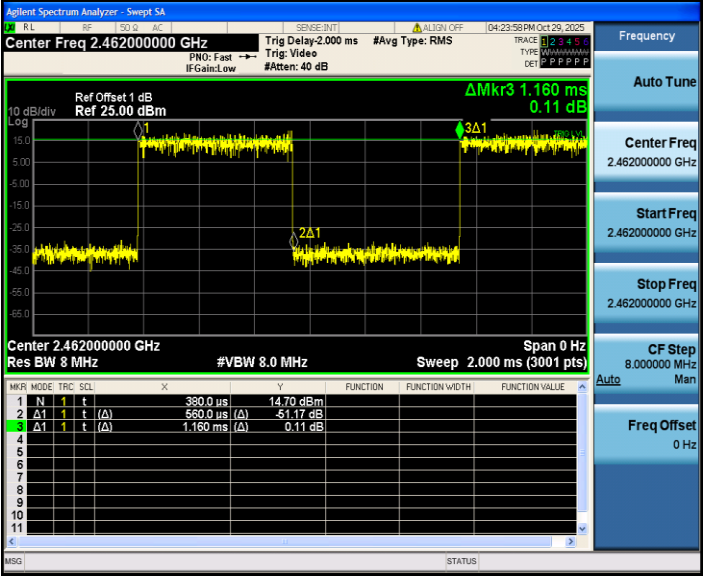
11AX20SISO_Ant1_2412



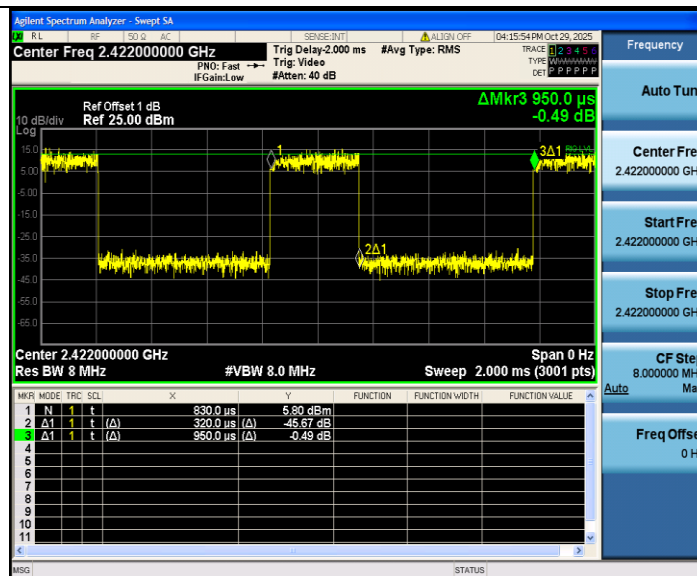
11AX20SISO_Ant1_2437



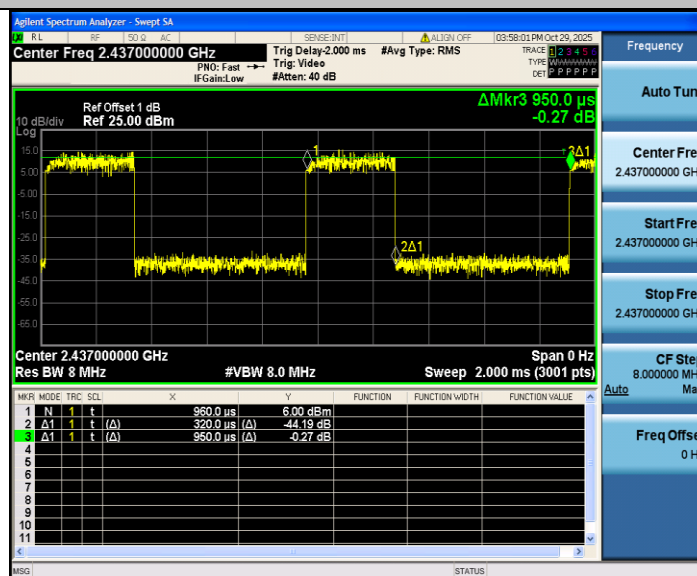
11AX20SISO_Ant1_2462



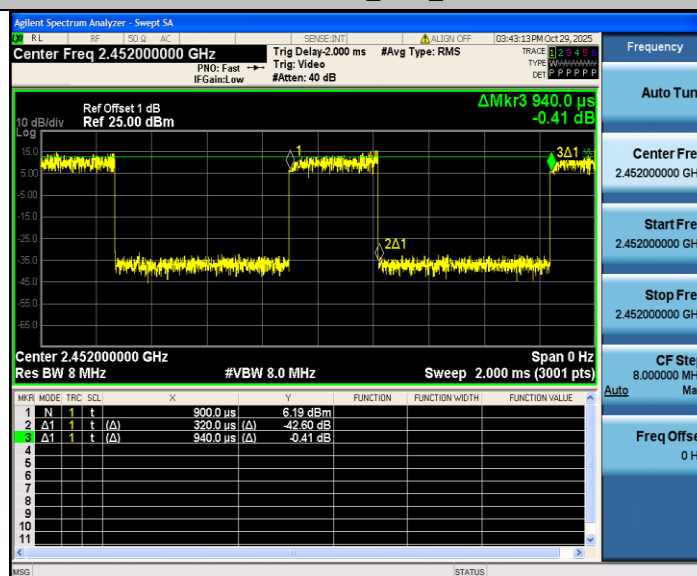
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



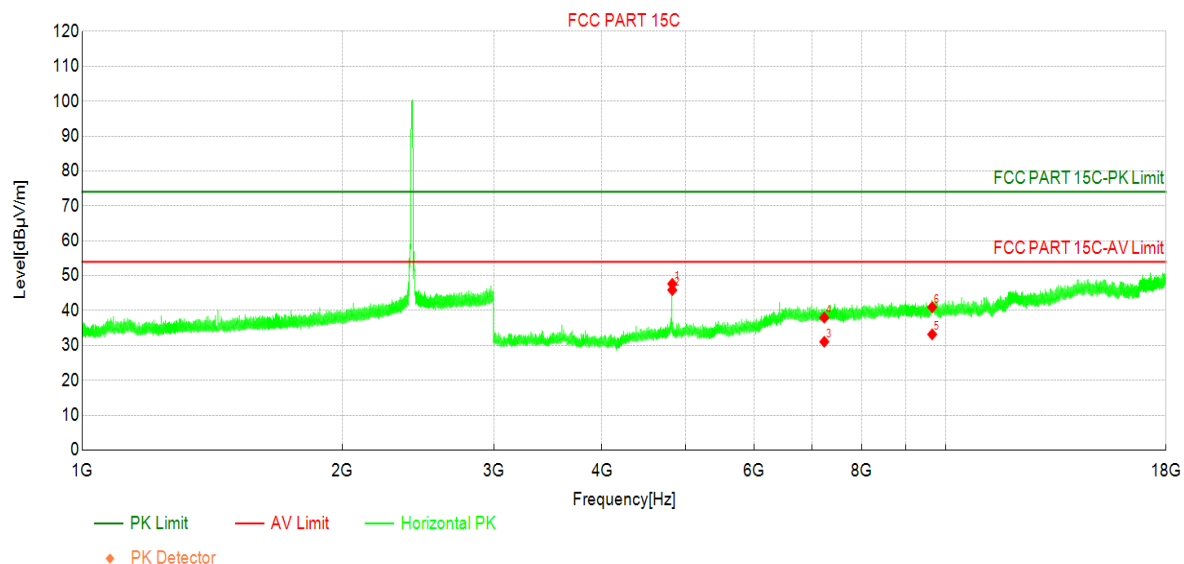
11AX40SISO_Ant1_2452



Appendix G: Test results of Emissions in Restricted Bands

Transmit at 2412MHz by 802.11b with Ant1+2

Test Graph

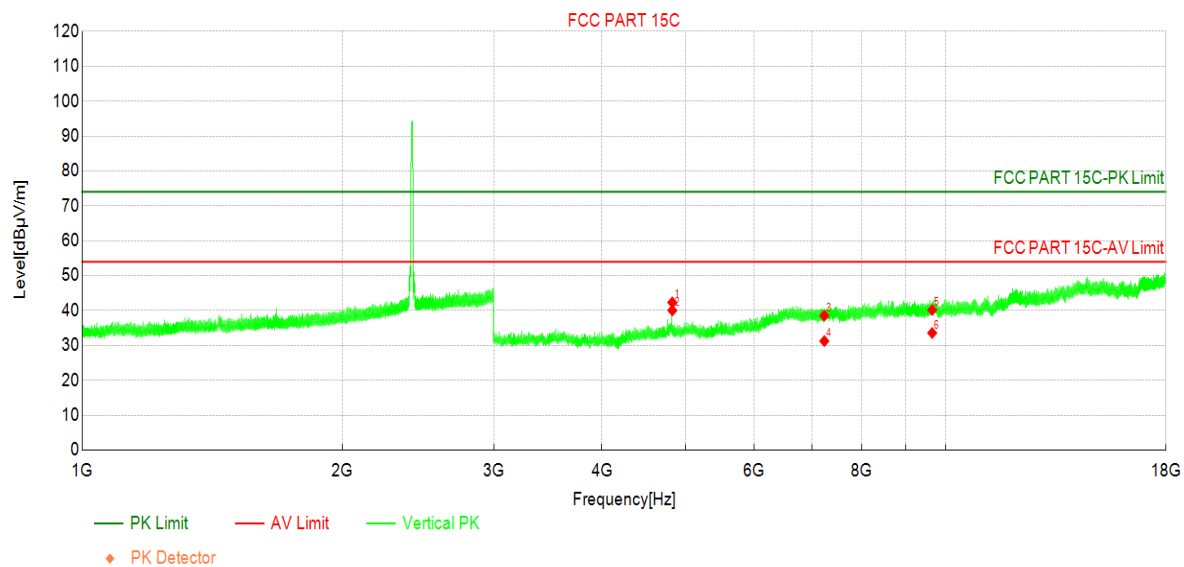


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	52.65	47.65	-5.00	74.00	26.35	PK	Horizo	PASS
2	4824.38	50.87	45.87	-5.00	54.00	8.13	AV	Horizo	PASS
3	7236.00	27.95	31.06	3.11	54.00	22.94	AV	Horizo	PASS
4	7236.00	34.87	37.98	3.11	74.00	36.02	PK	Horizo	PASS
5	9648.00	26.16	33.18	7.02	54.00	20.82	AV	Horizo	PASS
6	9648.00	33.94	40.96	7.02	74.00	33.04	PK	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant1+2

Test Graph

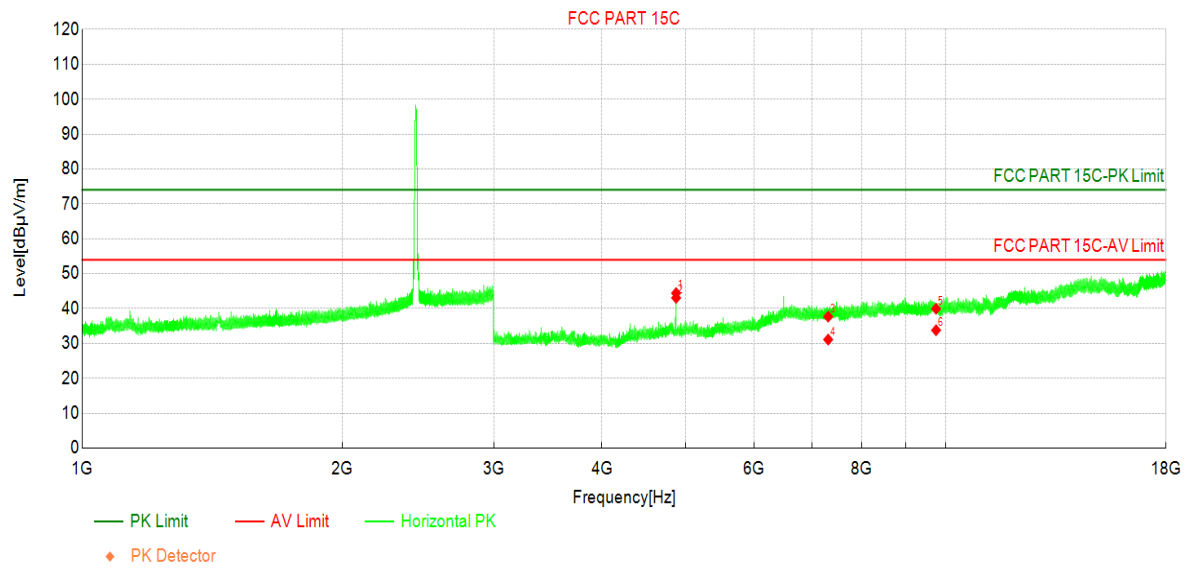


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	47.34	42.34	-5.00	74.00	31.66	PK	Vertic	PASS
2	4824.38	45.03	40.03	-5.00	54.00	13.97	AV	Vertic	PASS
3	7236.00	35.43	38.54	3.11	74.00	35.46	PK	Vertic	PASS
4	7236.00	28.15	31.26	3.11	54.00	22.74	AV	Vertic	PASS
5	9648.00	33.15	40.17	7.02	74.00	33.83	PK	Vertic	PASS
6	9648.00	26.55	33.57	7.02	54.00	20.43	AV	Vertic	PASS

Transmit at 2437MHz by 802.11b with Ant1+2

Test Graph

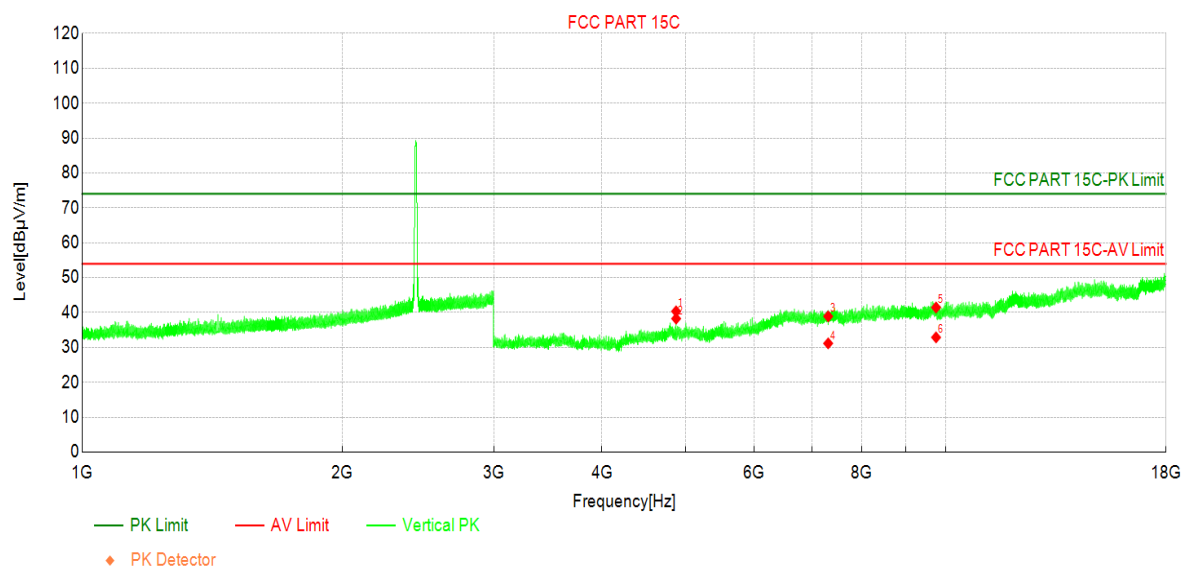


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4873.88	49.51	44.43	-5.08	74.00	29.57	PK	Horizo	PASS
2	4874.25	48.14	43.06	-5.08	54.00	10.94	AV	Horizo	PASS
3	7311.00	34.59	37.70	3.11	74.00	36.30	PK	Horizo	PASS
4	7311.00	28.01	31.12	3.11	54.00	22.88	AV	Horizo	PASS
5	9748.00	32.79	39.94	7.15	74.00	34.06	PK	Horizo	PASS
6	9748.00	26.64	33.79	7.15	54.00	20.21	AV	Horizo	PASS

Transmit at 2437MHz by 802.11b with Ant1+2

Test Graph

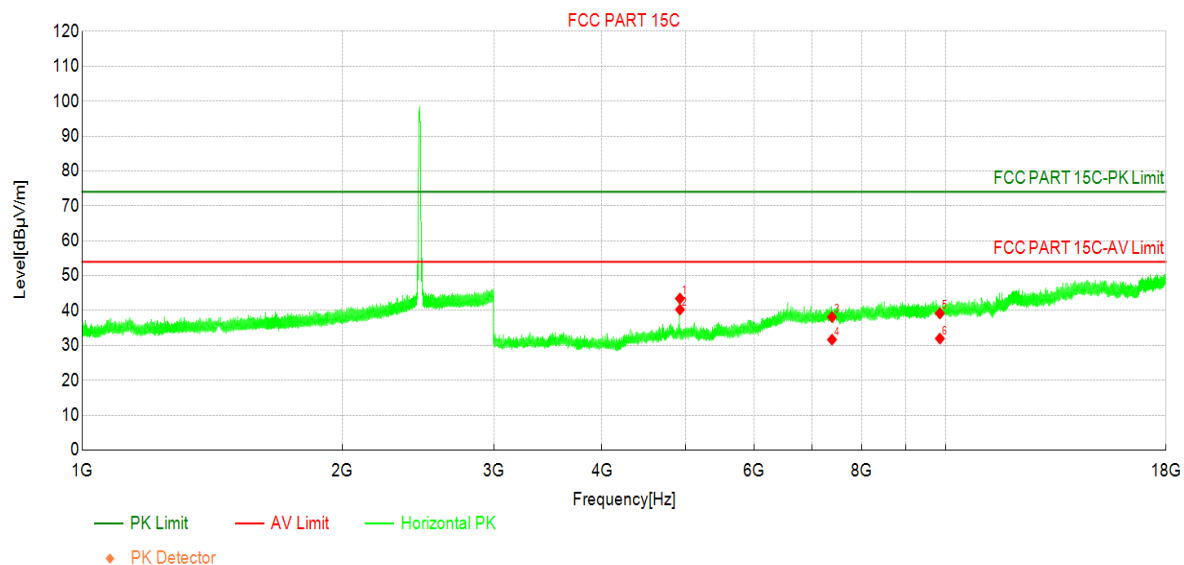


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4873.88	45.43	40.35	-5.08	74.00	33.65	PK	Vertic	PASS
2	4874.25	43.34	38.26	-5.08	54.00	15.74	AV	Vertic	PASS
3	7311.00	35.81	38.92	3.11	74.00	35.08	PK	Vertic	PASS
4	7311.00	28.06	31.17	3.11	54.00	22.83	AV	Vertic	PASS
5	9748.00	34.31	41.46	7.15	74.00	32.54	PK	Vertic	PASS
6	9748.00	25.74	32.89	7.15	54.00	21.11	AV	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant1+2

Test Graph

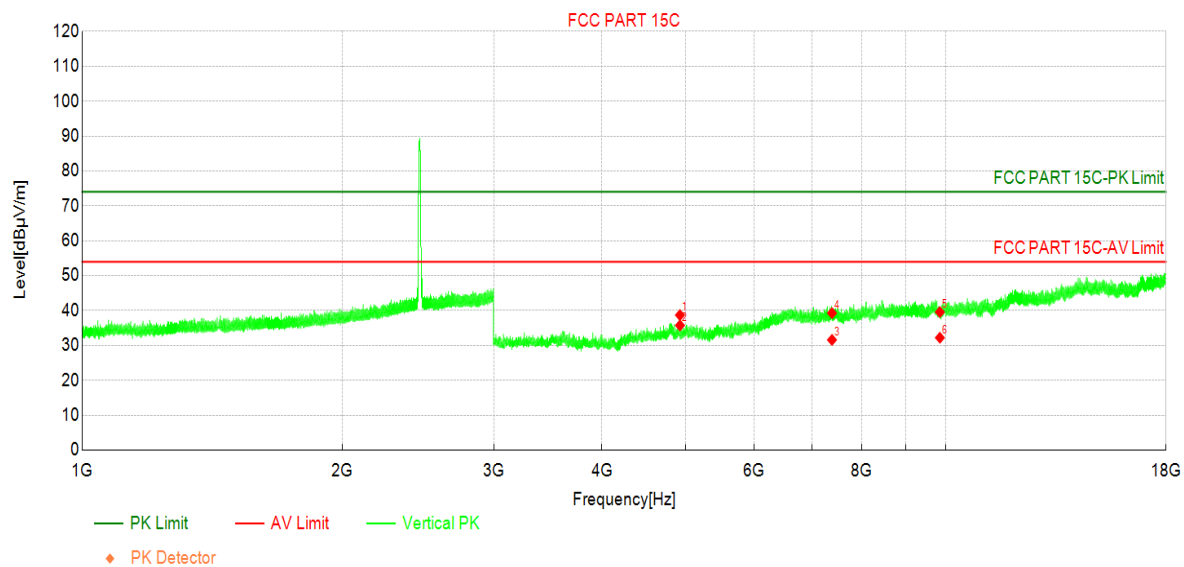


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4923.75	48.51	43.45	-5.06	74.00	30.55	PK	Horizo	PASS
2	4924.13	45.33	40.27	-5.06	54.00	13.73	AV	Horizo	PASS
3	7386.00	34.91	38.14	3.23	74.00	35.86	PK	Horizo	PASS
4	7386.00	28.44	31.67	3.23	54.00	22.33	AV	Horizo	PASS
5	9848.00	32.60	39.19	6.59	74.00	34.81	PK	Horizo	PASS
6	9848.00	25.39	31.98	6.59	54.00	22.02	AV	Horizo	PASS

Transmit at 2462MHz by 802.11b with Ant1+2

Test Graph

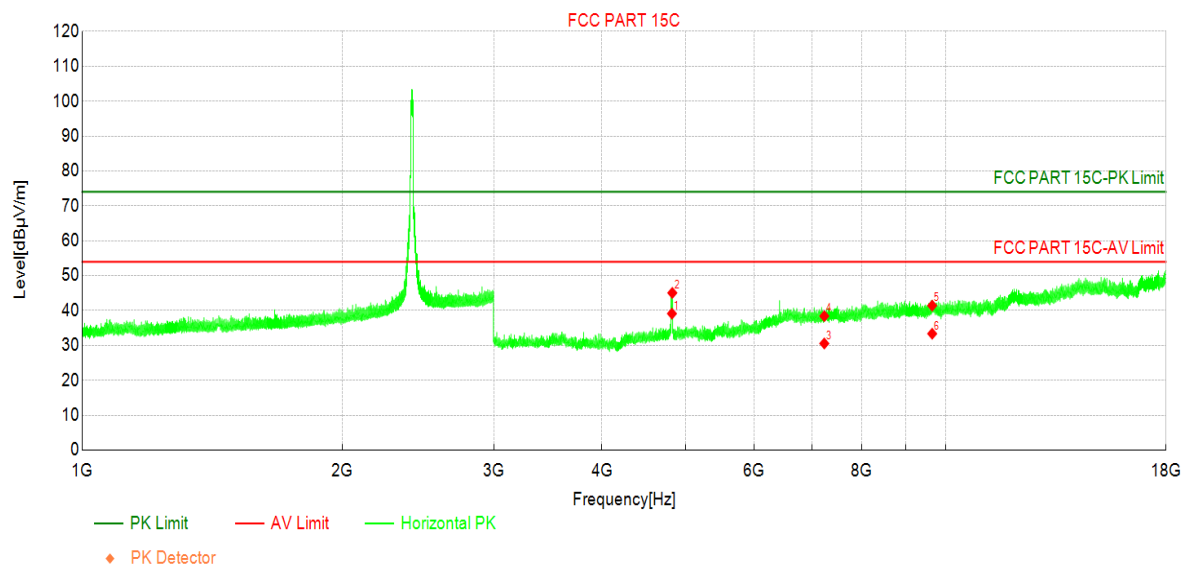


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4923.75	43.77	38.71	-5.06	74.00	35.29	PK	Vertic	PASS
2	4924.13	40.81	35.75	-5.06	54.00	18.25	AV	Vertic	PASS
3	7386.00	28.37	31.60	3.23	54.00	22.40	AV	Vertic	PASS
4	7386.00	36.04	39.27	3.23	74.00	34.73	PK	Vertic	PASS
5	9848.00	32.98	39.57	6.59	74.00	34.43	PK	Vertic	PASS
6	9848.00	25.62	32.21	6.59	54.00	21.79	AV	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant1+2

Test Graph

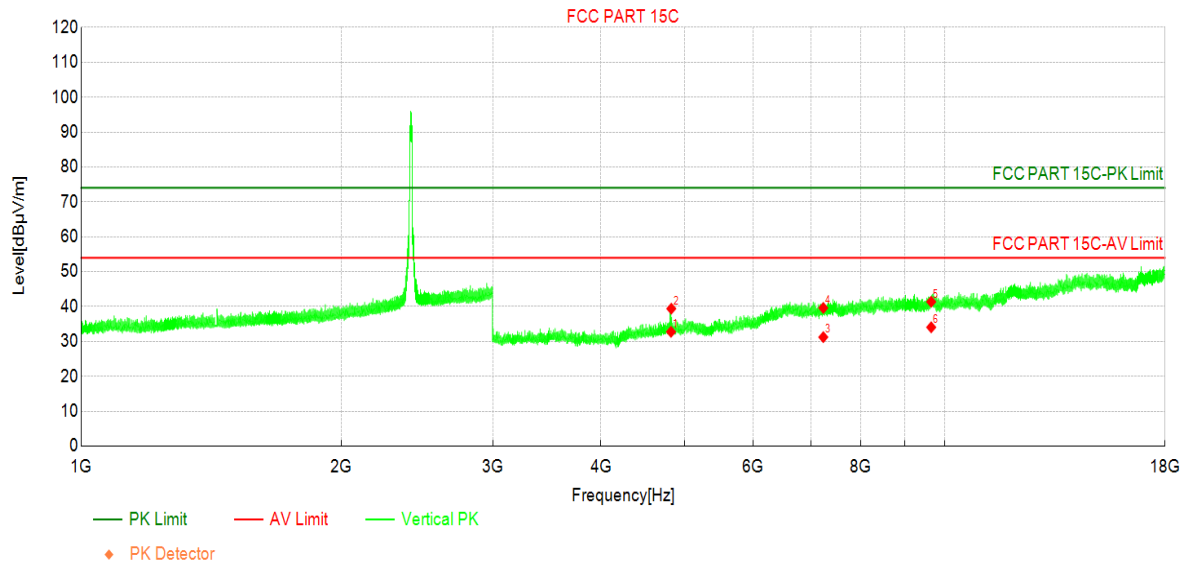


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4819.88	44.12	39.12	-5.00	54.00	14.88	AV	Horizo	PASS
2	4824.75	50.05	45.05	-5.00	74.00	28.95	PK	Horizo	PASS
3	7236.00	27.46	30.57	3.11	54.00	23.43	AV	Horizo	PASS
4	7236.00	35.31	38.42	3.11	74.00	35.58	PK	Horizo	PASS
5	9648.00	34.40	41.42	7.02	74.00	32.58	PK	Horizo	PASS
6	9648.00	26.35	33.37	7.02	54.00	20.63	AV	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant1+2

Test Graph

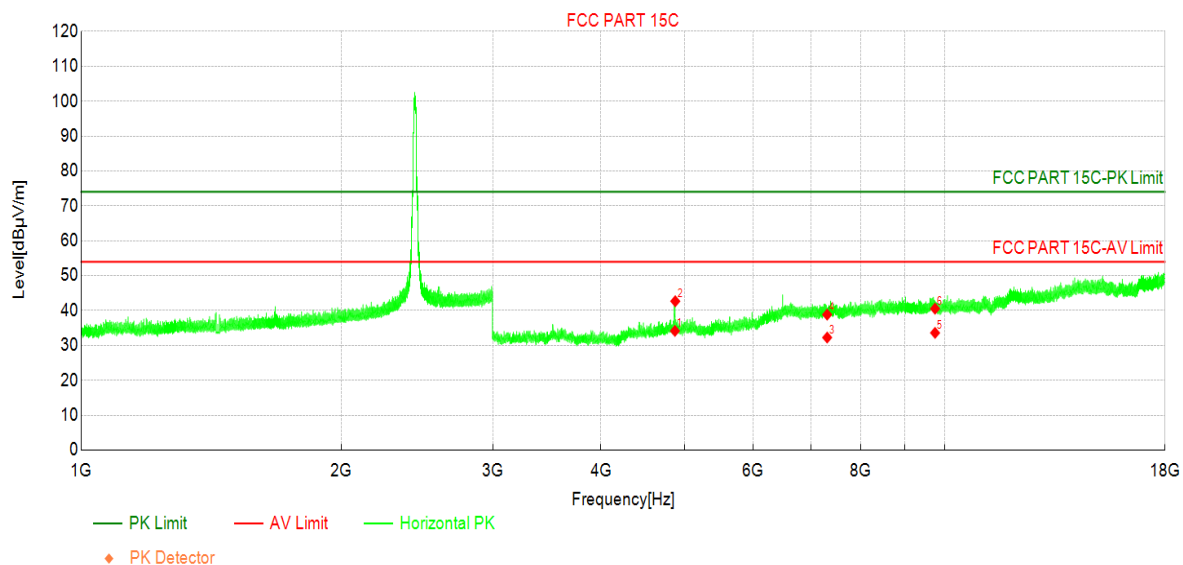


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4821.00	37.75	32.75	-5.00	54.00	21.25	AV	Vertic	PASS
2	4824.38	44.40	39.40	-5.00	74.00	34.60	PK	Vertic	PASS
3	7236.00	28.12	31.23	3.11	54.00	22.77	AV	Vertic	PASS
4	7236.00	36.49	39.60	3.11	74.00	34.40	PK	Vertic	PASS
5	9648.00	34.35	41.37	7.02	74.00	32.63	PK	Vertic	PASS
6	9648.00	27.04	34.06	7.02	54.00	19.94	AV	Vertic	PASS

Transmit at 2437MHz by 802.11g with Ant1+2

Test Graph

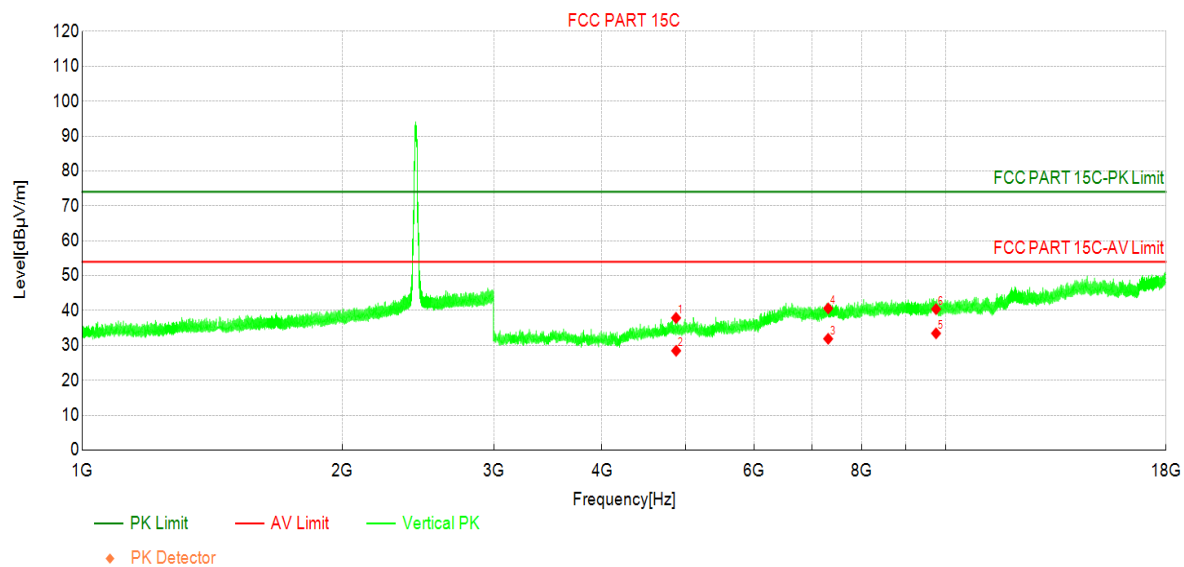


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4871.63	39.25	34.17	-5.08	54.00	19.83	AV	Horizo	PASS
2	4875.75	47.77	42.68	-5.09	74.00	31.32	PK	Horizo	PASS
3	7311.00	29.15	32.26	3.11	54.00	21.74	AV	Horizo	PASS
4	7311.00	35.73	38.84	3.11	74.00	35.16	PK	Horizo	PASS
5	9748.00	26.46	33.61	7.15	54.00	20.39	AV	Horizo	PASS
6	9748.00	33.39	40.54	7.15	74.00	33.46	PK	Horizo	PASS

Transmit at 2437MHz by 802.11g with Ant1+2

Test Graph

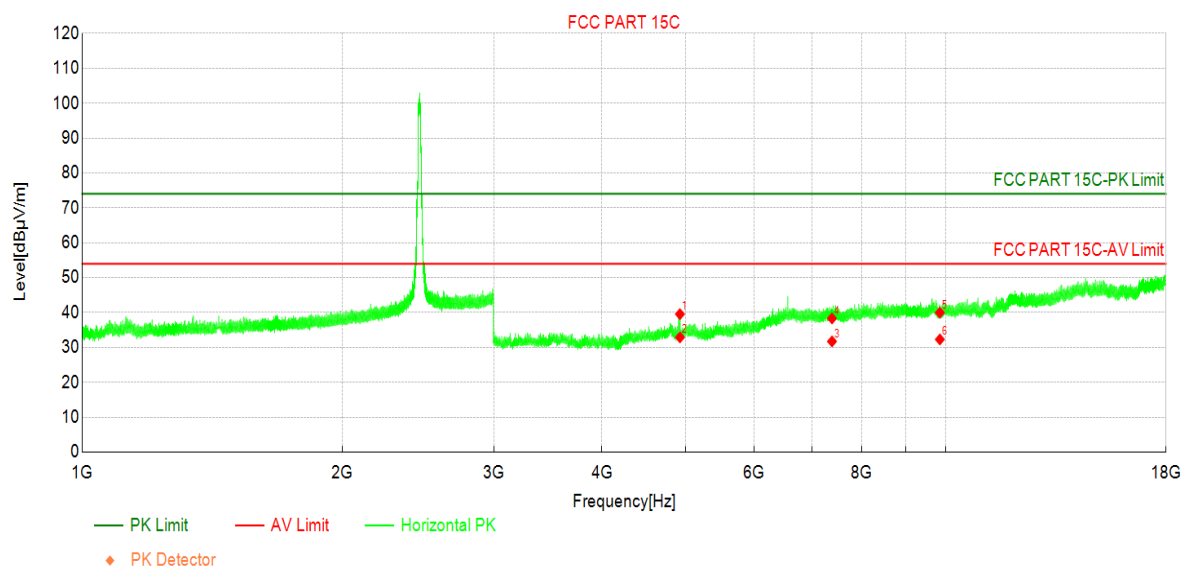


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4872.75	42.98	37.90	-5.08	74.00	36.10	PK	Vertic	PASS
2	4874.00	33.55	28.47	-5.08	54.00	25.53	AV	Vertic	PASS
3	7311.00	28.79	31.90	3.11	54.00	22.10	AV	Vertic	PASS
4	7311.00	37.52	40.63	3.11	74.00	33.37	PK	Vertic	PASS
5	9748.00	26.32	33.47	7.15	54.00	20.53	AV	Vertic	PASS
6	9748.00	33.26	40.41	7.15	74.00	33.59	PK	Vertic	PASS

Transmit at 2462MHz by 802.11g with Ant1+2

Test Graph

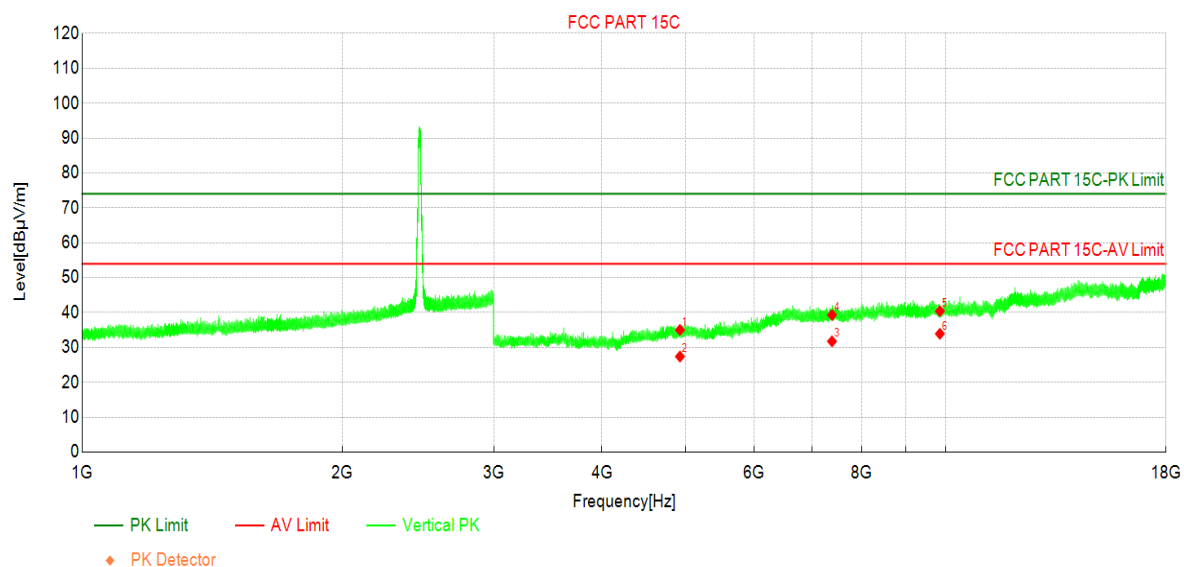


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	44.61	39.55	-5.06	74.00	34.45	PK	Horizo	PASS
2	4924.00	37.96	32.90	-5.06	54.00	21.10	AV	Horizo	PASS
3	7386.00	28.51	31.74	3.23	54.00	22.26	AV	Horizo	PASS
4	7386.00	35.08	38.31	3.23	74.00	35.69	PK	Horizo	PASS
5	9848.00	33.38	39.97	6.59	74.00	34.03	PK	Horizo	PASS
6	9848.00	25.71	32.30	6.59	54.00	21.70	AV	Horizo	PASS

Transmit at 2462MHz by 802.11g with Ant1+2

Test Graph

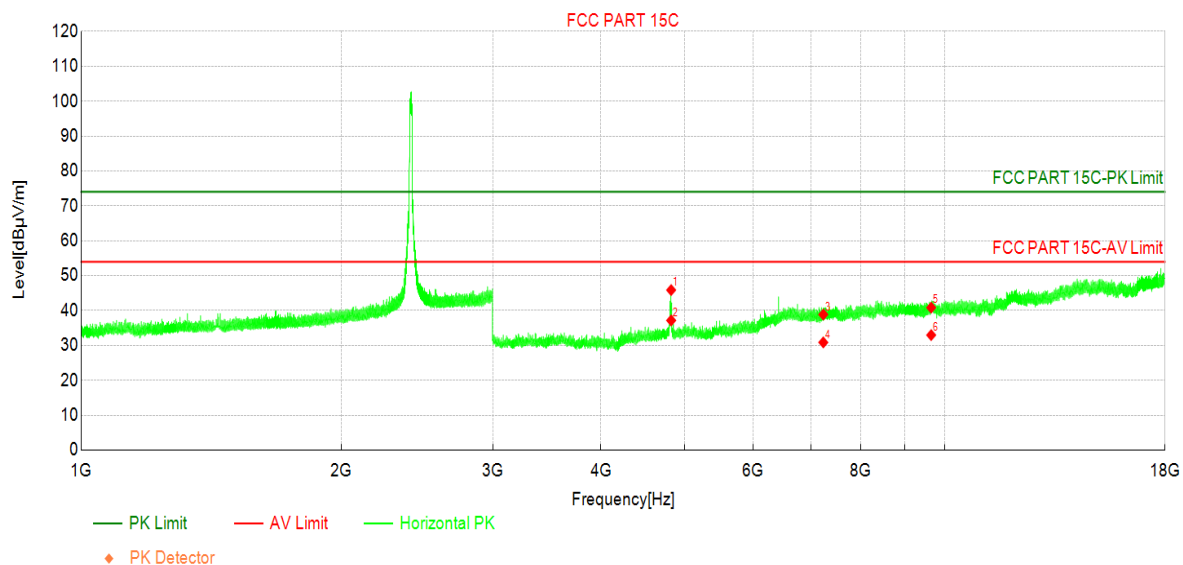


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	40.08	35.02	-5.06	74.00	38.98	PK	Vertic	PASS
2	4924.00	32.46	27.40	-5.06	54.00	26.60	AV	Vertic	PASS
3	7386.00	28.52	31.75	3.23	54.00	22.25	AV	Vertic	PASS
4	7386.00	36.07	39.30	3.23	74.00	34.70	PK	Vertic	PASS
5	9848.00	33.81	40.40	6.59	74.00	33.60	PK	Vertic	PASS
6	9848.00	27.32	33.91	6.59	54.00	20.09	AV	Vertic	PASS

Transmit at 2412MHz by 802.11n(20MHz) with Ant1+2

Test Graph

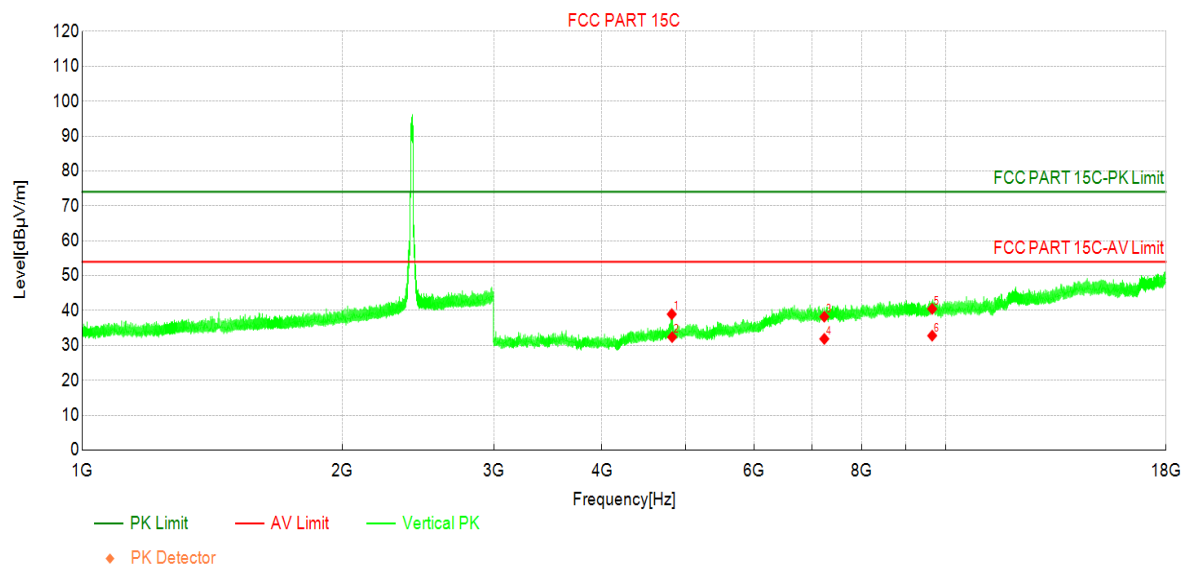


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4822.50	50.87	45.87	-5.00	74.00	28.13	PK	Horizo	PASS
2	4822.88	42.18	37.18	-5.00	54.00	16.82	AV	Horizo	PASS
3	7236.00	35.75	38.86	3.11	74.00	35.14	PK	Horizo	PASS
4	7236.00	27.77	30.88	3.11	54.00	23.12	AV	Horizo	PASS
5	9648.00	33.82	40.84	7.02	74.00	33.16	PK	Horizo	PASS
6	9648.00	25.95	32.97	7.02	54.00	21.03	AV	Horizo	PASS

Transmit at 2412MHz by 802.11n(20MHz) with Ant1+2

Test Graph

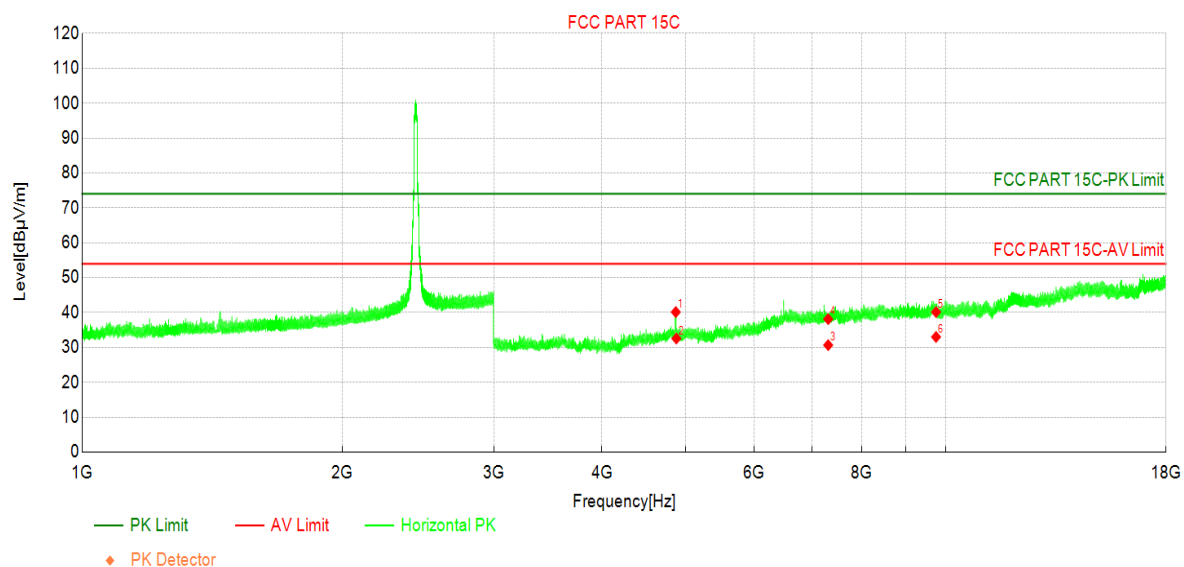


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4817.25	43.95	38.96	-4.99	74.00	35.04	PK	Vertic	PASS
2	4822.50	37.40	32.40	-5.00	54.00	21.60	AV	Vertic	PASS
3	7236.00	35.14	38.25	3.11	74.00	35.75	PK	Vertic	PASS
4	7236.00	28.77	31.88	3.11	54.00	22.12	AV	Vertic	PASS
5	9648.00	33.46	40.48	7.02	74.00	33.52	PK	Vertic	PASS
6	9648.00	25.78	32.80	7.02	54.00	21.20	AV	Vertic	PASS

Transmit at 2437MHz by 802.11n(20MHz) with Ant1+2

Test Graph

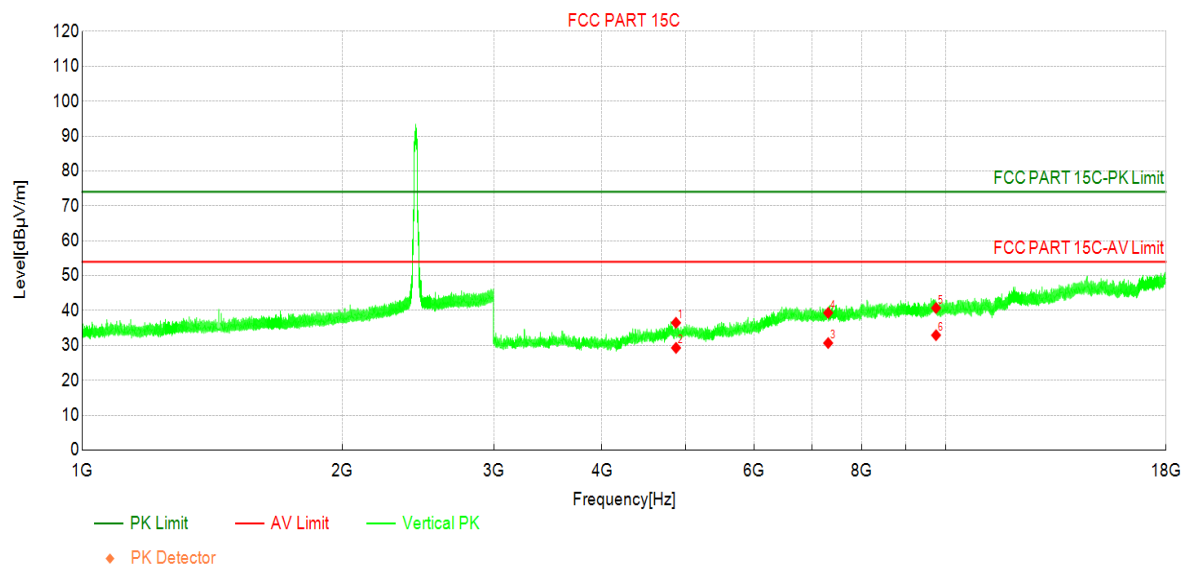


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4869.75	45.23	40.15	-5.08	74.00	33.85	PK	Horizo	PASS
2	4877.25	37.65	32.56	-5.09	54.00	21.44	AV	Horizo	PASS
3	7311.00	27.56	30.67	3.11	54.00	23.33	AV	Horizo	PASS
4	7311.00	35.02	38.13	3.11	74.00	35.87	PK	Horizo	PASS
5	9748.00	33.00	40.15	7.15	74.00	33.85	PK	Horizo	PASS
6	9748.00	25.85	33.00	7.15	54.00	21.00	AV	Horizo	PASS

Transmit at 2437MHz by 802.11n(20MHz) with Ant1+2

Test Graph

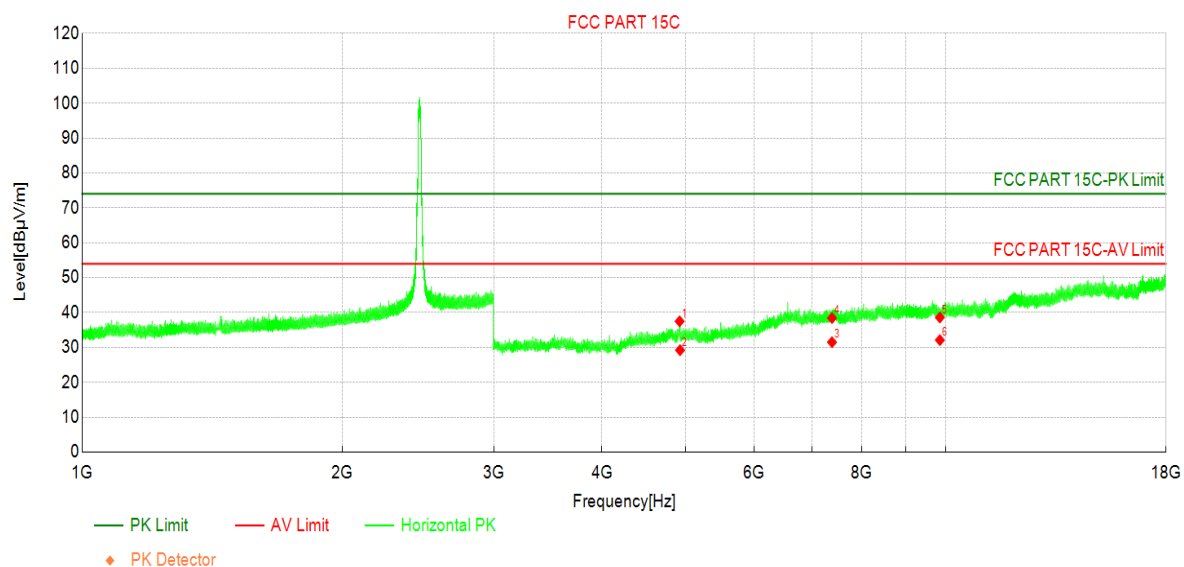


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4872.38	41.58	36.50	-5.08	74.00	37.50	PK	Vertic	PASS
2	4872.75	34.38	29.30	-5.08	54.00	24.70	AV	Vertic	PASS
3	7311.00	27.57	30.68	3.11	54.00	23.32	AV	Vertic	PASS
4	7311.00	36.24	39.35	3.11	74.00	34.65	PK	Vertic	PASS
5	9748.00	33.59	40.74	7.15	74.00	33.26	PK	Vertic	PASS
6	9748.00	25.78	32.93	7.15	54.00	21.07	AV	Vertic	PASS

Transmit at 2462MHz by 802.11n(20MHz) with Ant1+2

Test Graph

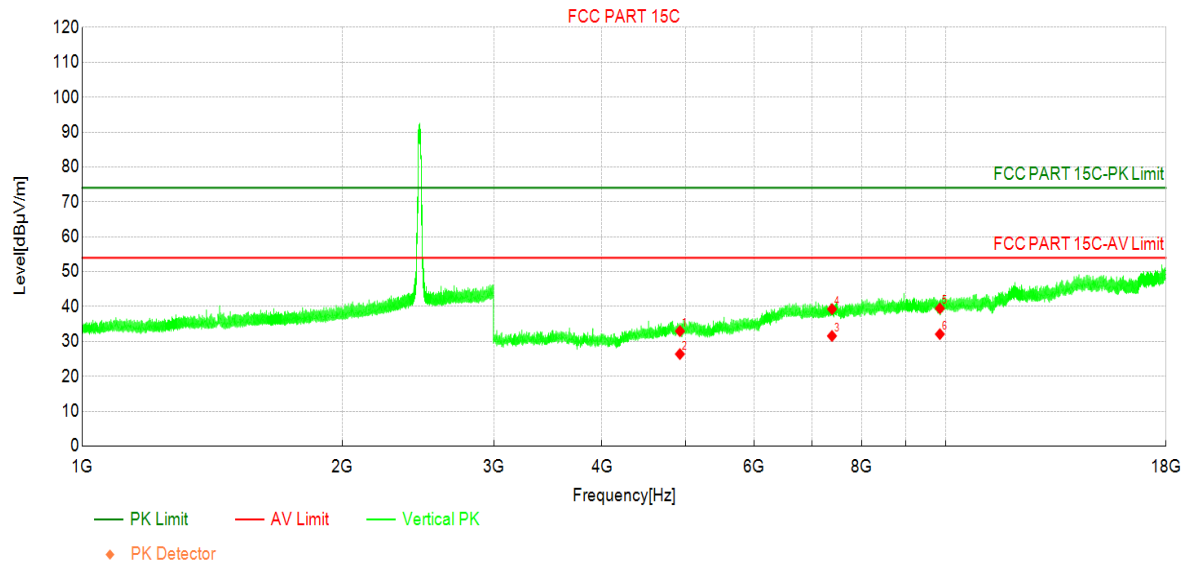


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4919.63	42.57	37.50	-5.07	74.00	36.50	PK	Horizo	PASS
2	4925.25	34.27	29.21	-5.06	54.00	24.79	AV	Horizo	PASS
3	7386.00	28.28	31.51	3.23	54.00	22.49	AV	Horizo	PASS
4	7386.00	35.20	38.43	3.23	74.00	35.57	PK	Horizo	PASS
5	9848.00	32.00	38.59	6.59	74.00	35.41	PK	Horizo	PASS
6	9848.00	25.52	32.11	6.59	54.00	21.89	AV	Horizo	PASS

Transmit at 2462MHz by 802.11n(20MHz) with Ant1+2

Test Graph

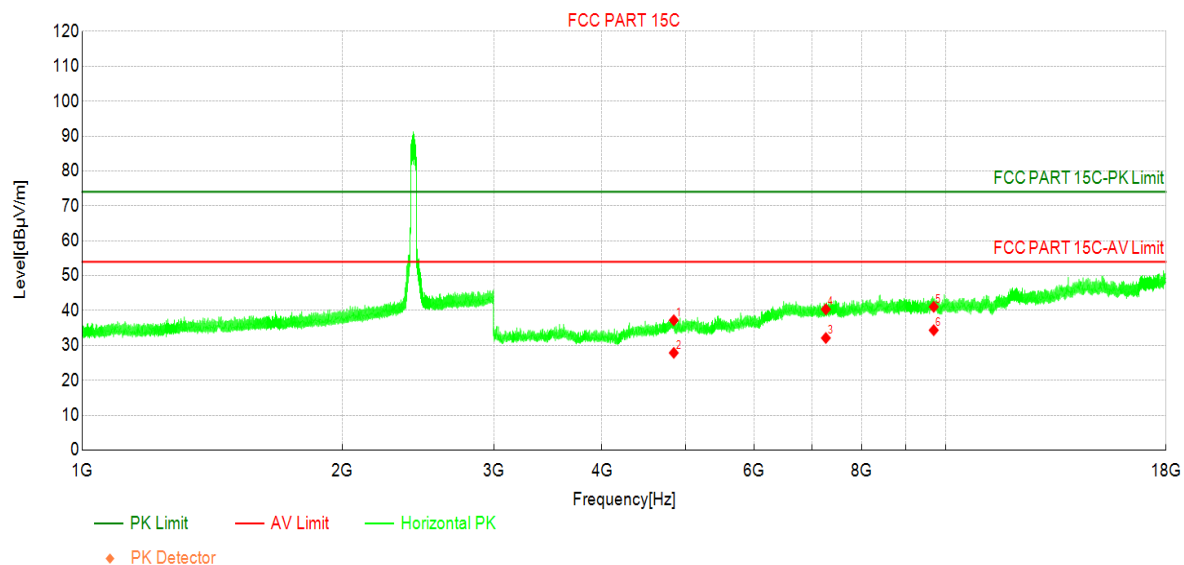


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	38.02	32.96	-5.06	74.00	41.04	PK	Vertic	PASS
2	4924.00	31.44	26.38	-5.06	54.00	27.62	AV	Vertic	PASS
3	7386.00	28.34	31.57	3.23	54.00	22.43	AV	Vertic	PASS
4	7386.00	36.04	39.27	3.23	74.00	34.73	PK	Vertic	PASS
5	9848.00	32.87	39.46	6.59	74.00	34.54	PK	Vertic	PASS
6	9848.00	25.51	32.10	6.59	54.00	21.90	AV	Vertic	PASS

Transmit at 2422MHz by 802.11n(40MHz) with Ant1+2

Test Graph

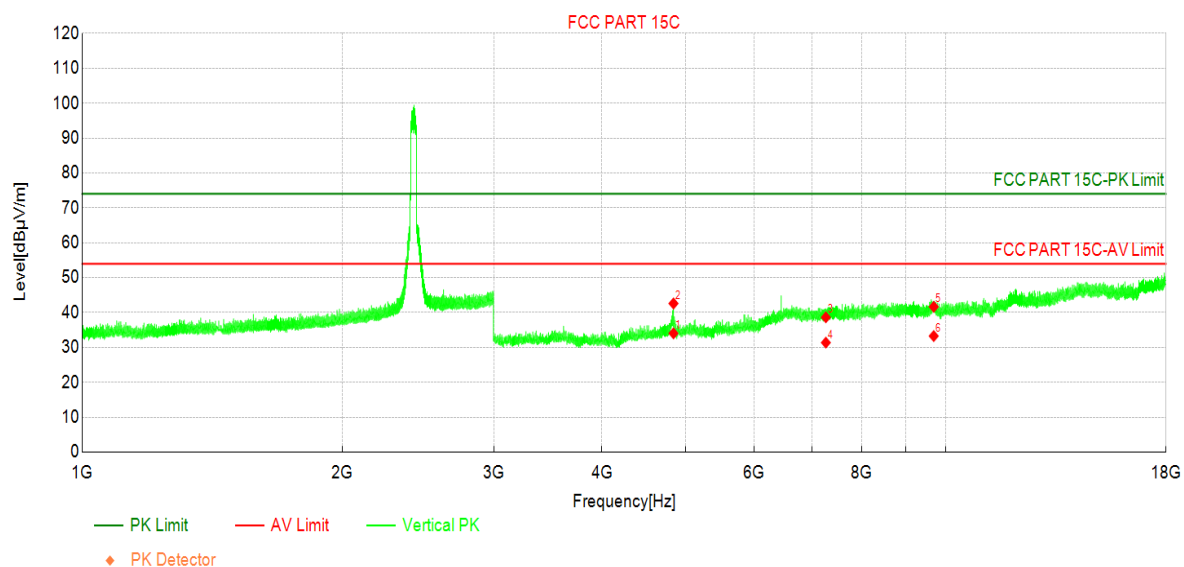


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4844.00	42.26	37.22	-5.04	74.00	36.78	PK	Horizo	PASS
2	4844.00	32.92	27.88	-5.04	54.00	26.12	AV	Horizo	PASS
3	7266.00	29.04	32.14	3.10	54.00	21.86	AV	Horizo	PASS
4	7266.00	37.26	40.36	3.10	74.00	33.64	PK	Horizo	PASS
5	9688.00	33.59	41.08	7.49	74.00	32.92	PK	Horizo	PASS
6	9688.00	26.88	34.37	7.49	54.00	19.63	AV	Horizo	PASS

Transmit at 2422MHz by 802.11n(40MHz) with Ant1+2

Test Graph

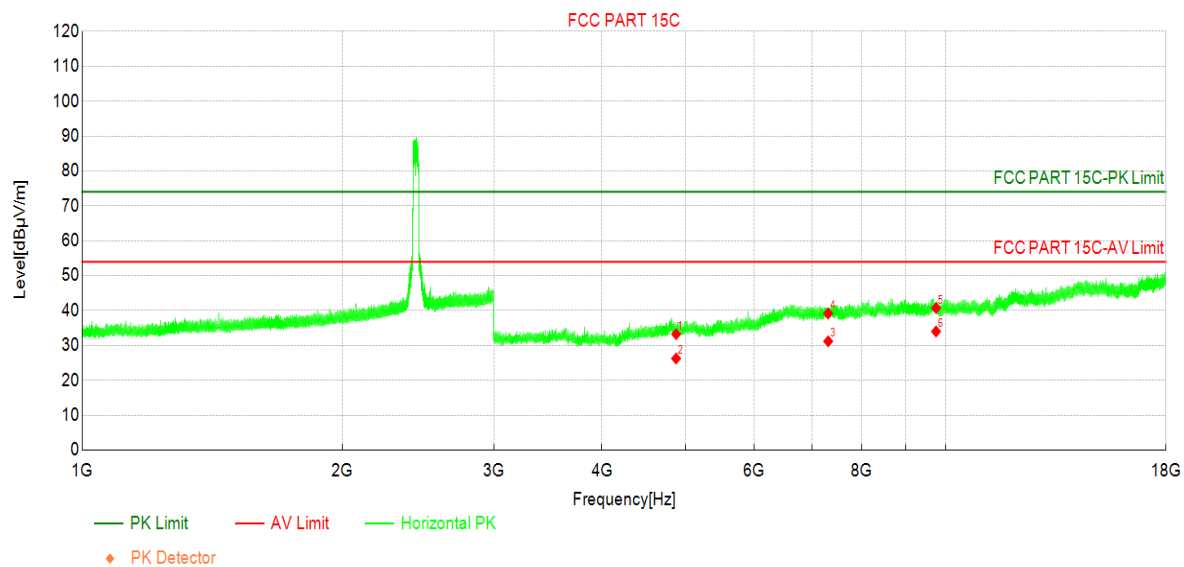


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4839.75	39.06	34.03	-5.03	54.00	19.97	AV	Vertic	PASS
2	4840.13	47.63	42.60	-5.03	74.00	31.40	PK	Vertic	PASS
3	7266.00	35.54	38.64	3.10	74.00	35.36	PK	Vertic	PASS
4	7266.00	28.28	31.38	3.10	54.00	22.62	AV	Vertic	PASS
5	9688.00	34.17	41.66	7.49	74.00	32.34	PK	Vertic	PASS
6	9688.00	25.78	33.27	7.49	54.00	20.73	AV	Vertic	PASS

Transmit at 2437MHz by 802.11n(40MHz) with Ant1+2

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	38.32	33.24	-5.08	74.00	40.76	PK	Horizo	PASS
2	4874.00	31.34	26.26	-5.08	54.00	27.74	AV	Horizo	PASS
3	7311.00	28.09	31.20	3.11	54.00	22.80	AV	Horizo	PASS
4	7311.00	36.07	39.18	3.11	74.00	34.82	PK	Horizo	PASS
5	9748.00	33.58	40.73	7.15	74.00	33.27	PK	Horizo	PASS
6	9748.00	26.86	34.01	7.15	54.00	19.99	AV	Horizo	PASS