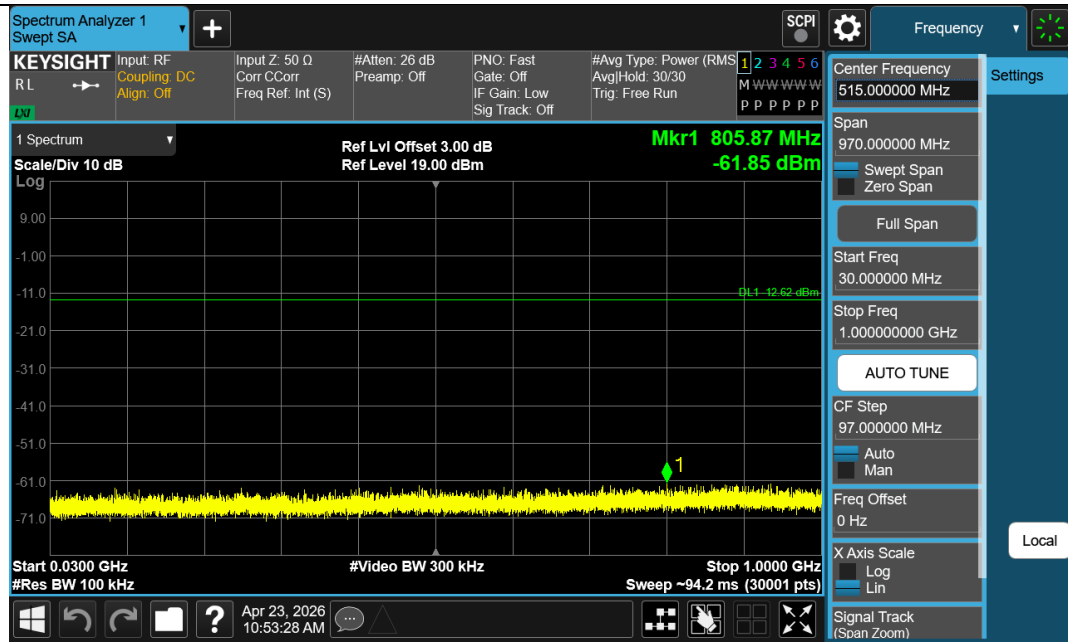
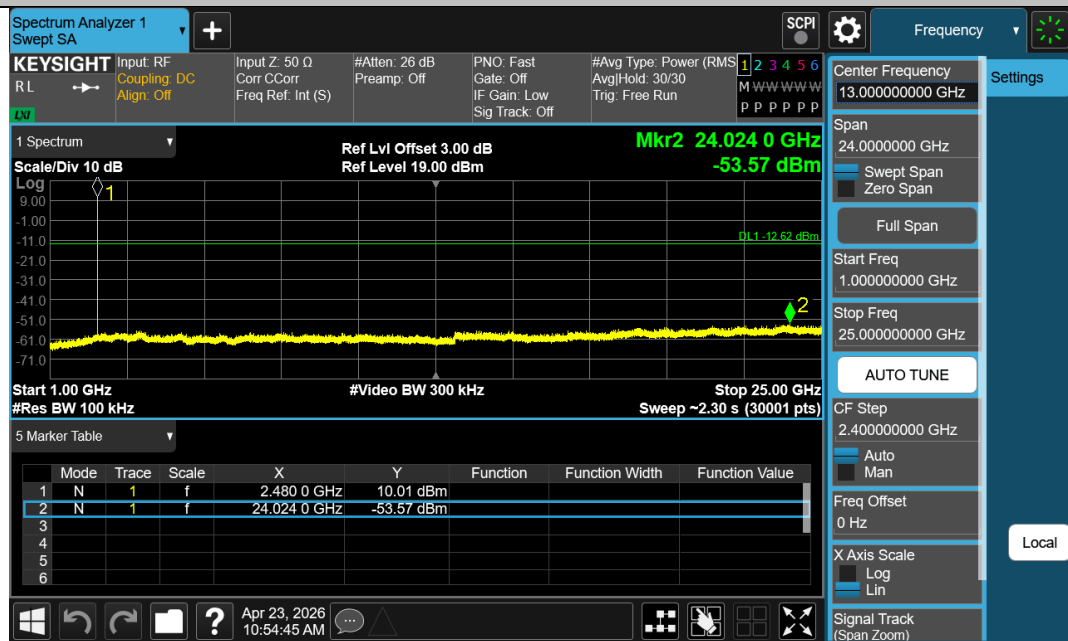
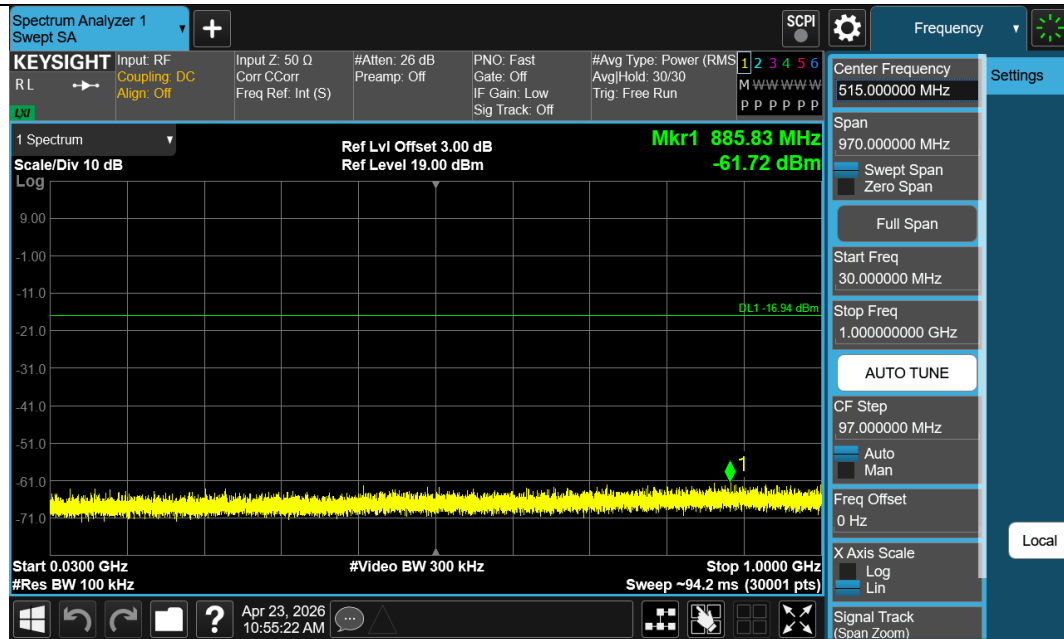




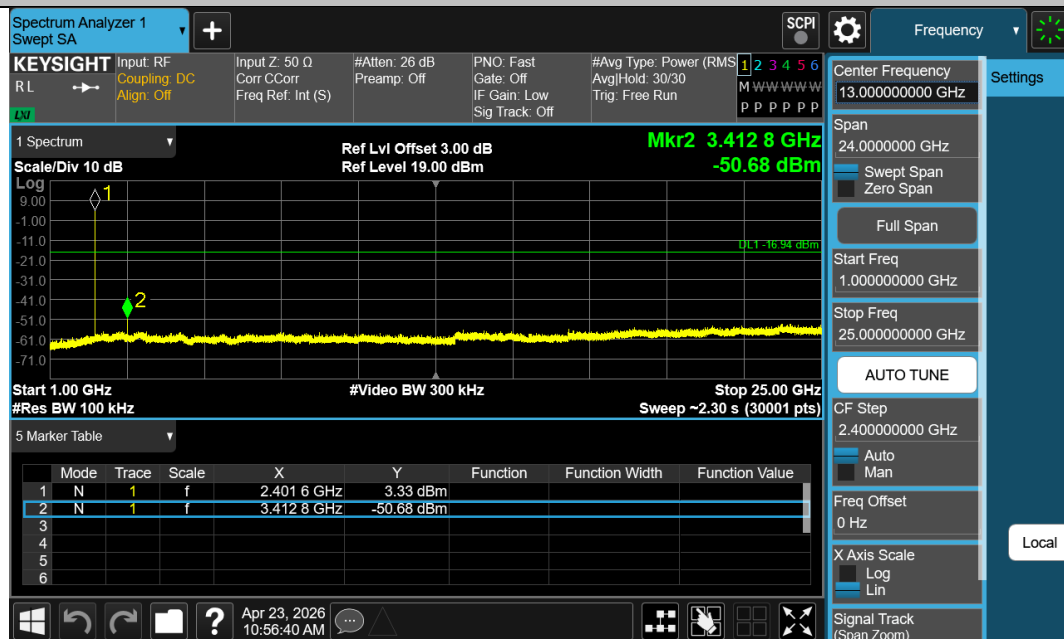
DH5-Ant1-2480-30~1000-PASS



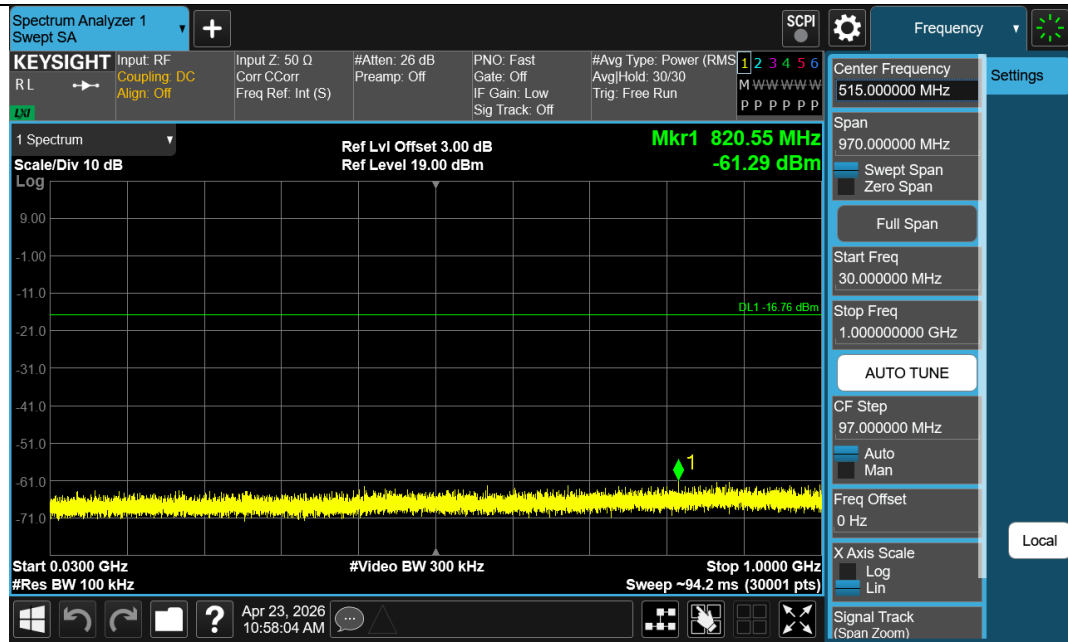
DH5-Ant1-2480-1000~25000-PASS



2DH5-Ant1-2402-30~1000-PASS



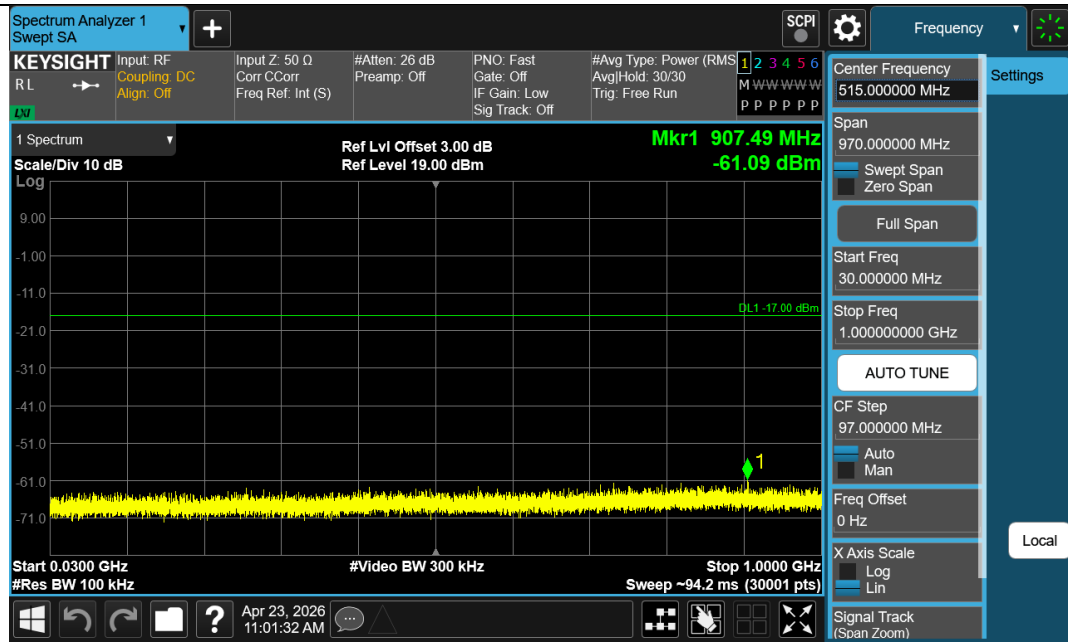
2DH5-Ant1-2402-1000~25000-PASS



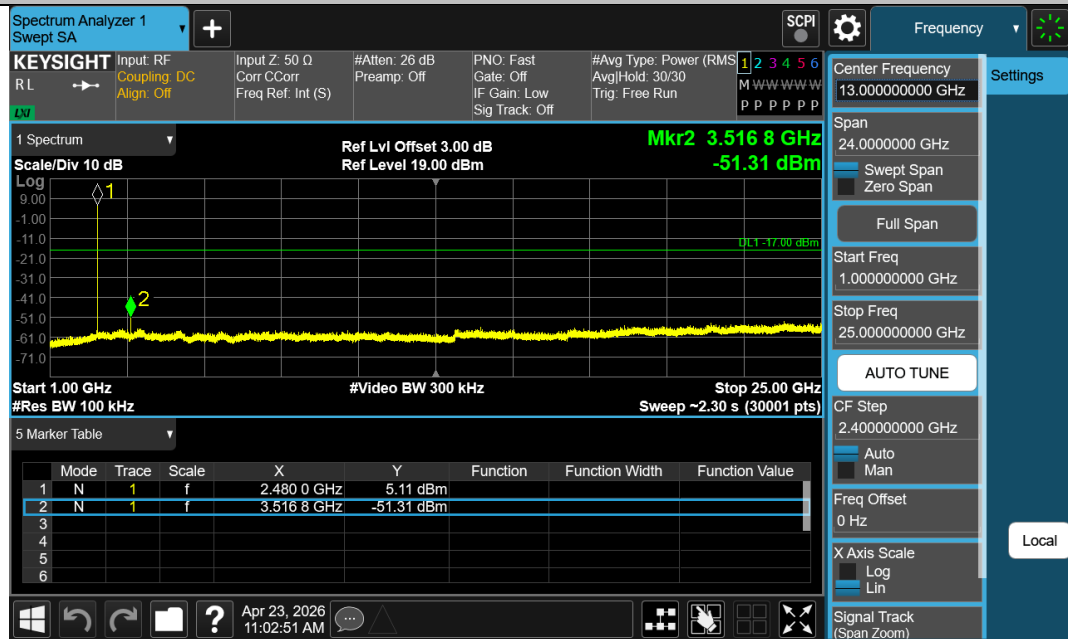
2DH5-Ant1-2441-30~1000-PASS



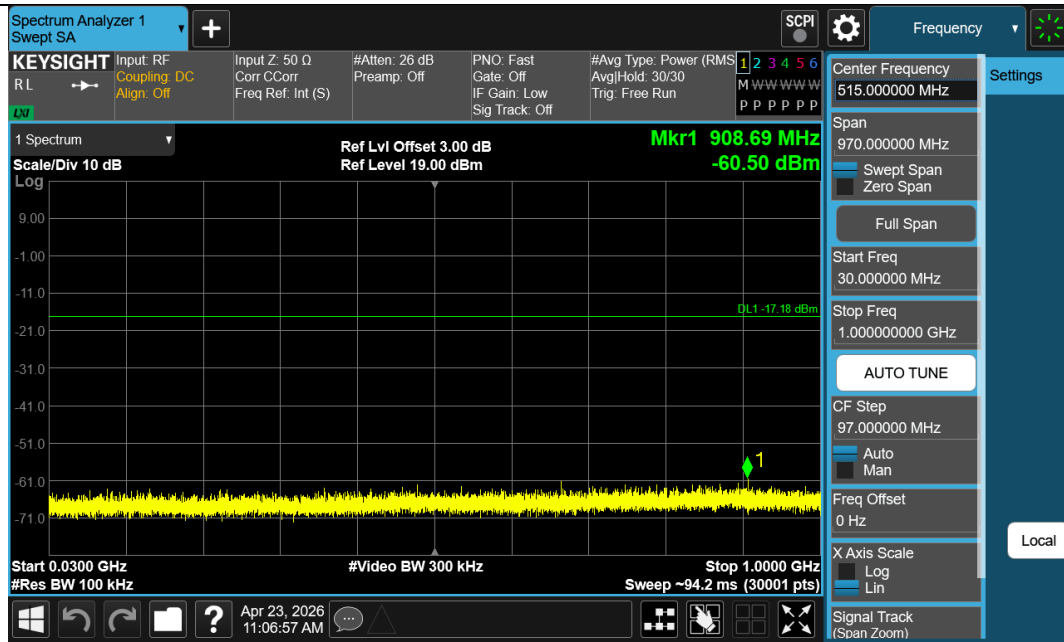
2DH5-Ant1-2441-1000~25000-PASS



2DH5-Ant1-2480-30~1000-PASS



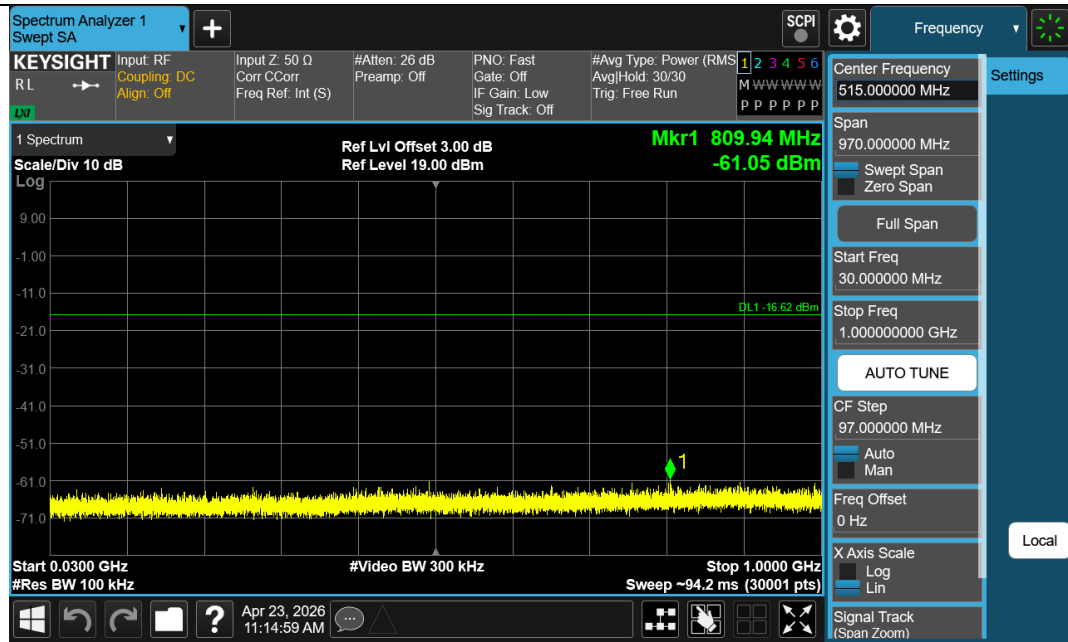
2DH5-Ant1-2480-1000~25000-PASS



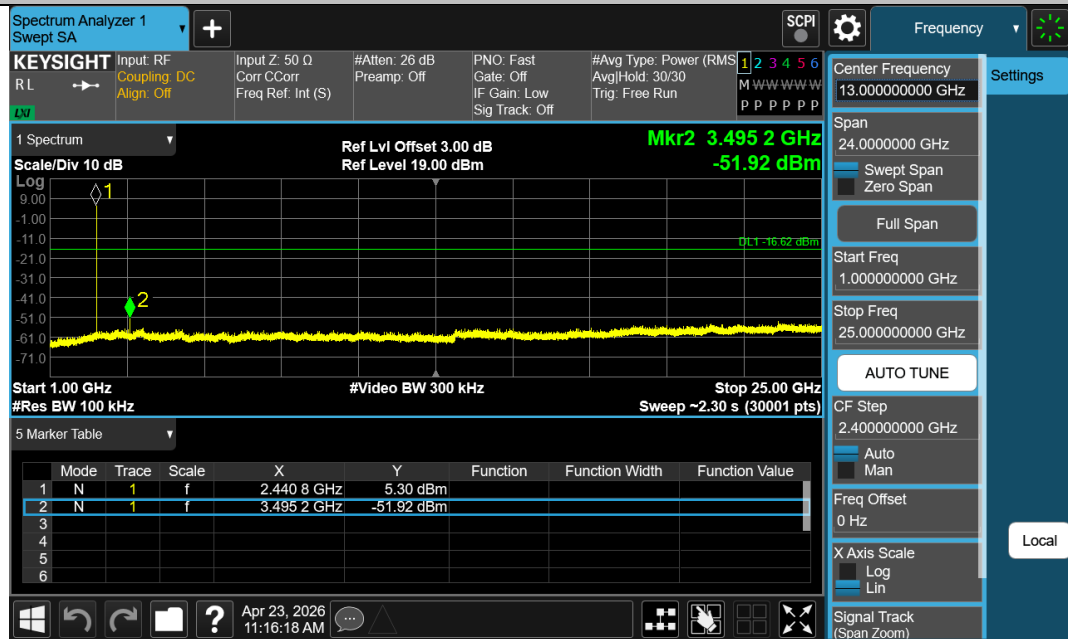
3DH5-Ant1-2402-30~1000-PASS



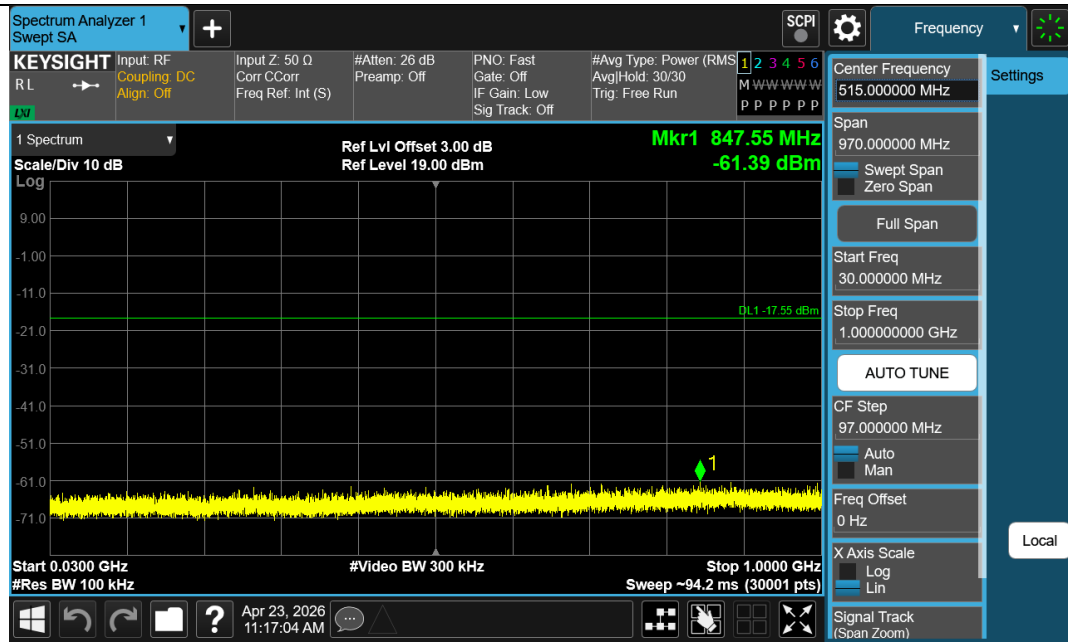
3DH5-Ant1-2402-1000~25000-PASS



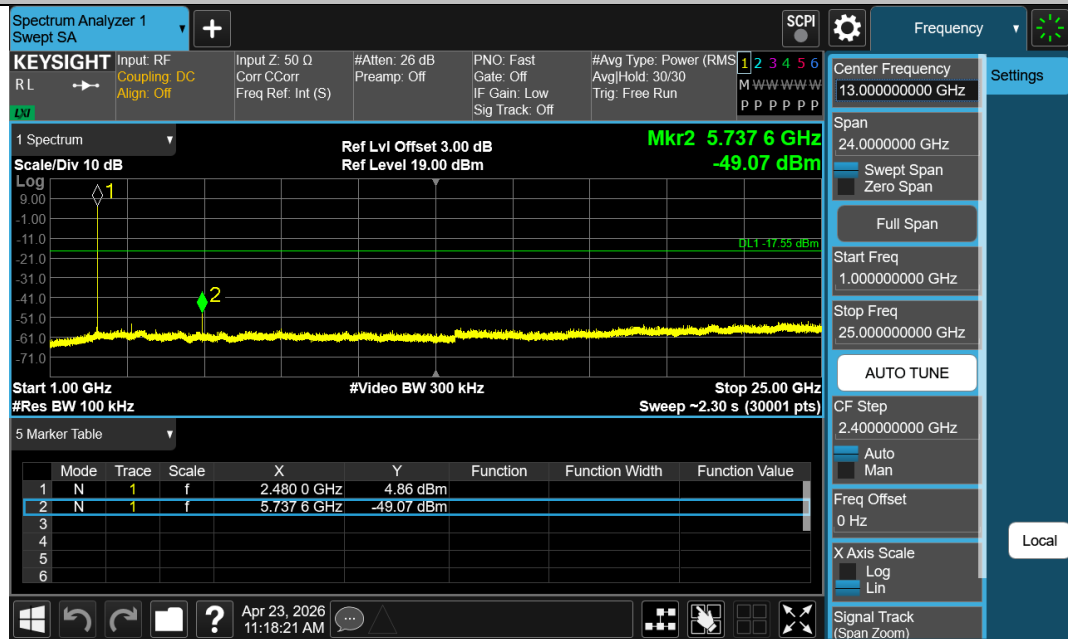
3DH5-Ant1-2441-30~1000-PASS



3DH5-Ant1-2441-1000~25000-PASS



3DH5-Ant1-2480-30~1000-PASS

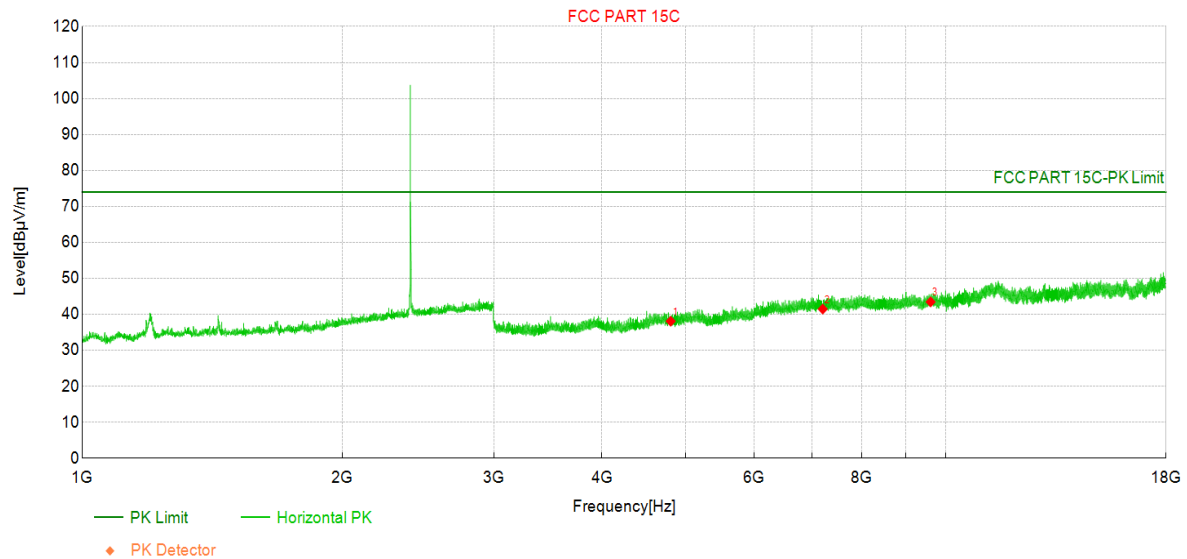


3DH5-Ant1-2480-1000~25000-PASS

Appendix H: Emissions in Restricted Band

Transmit at 2402MHz by DH5

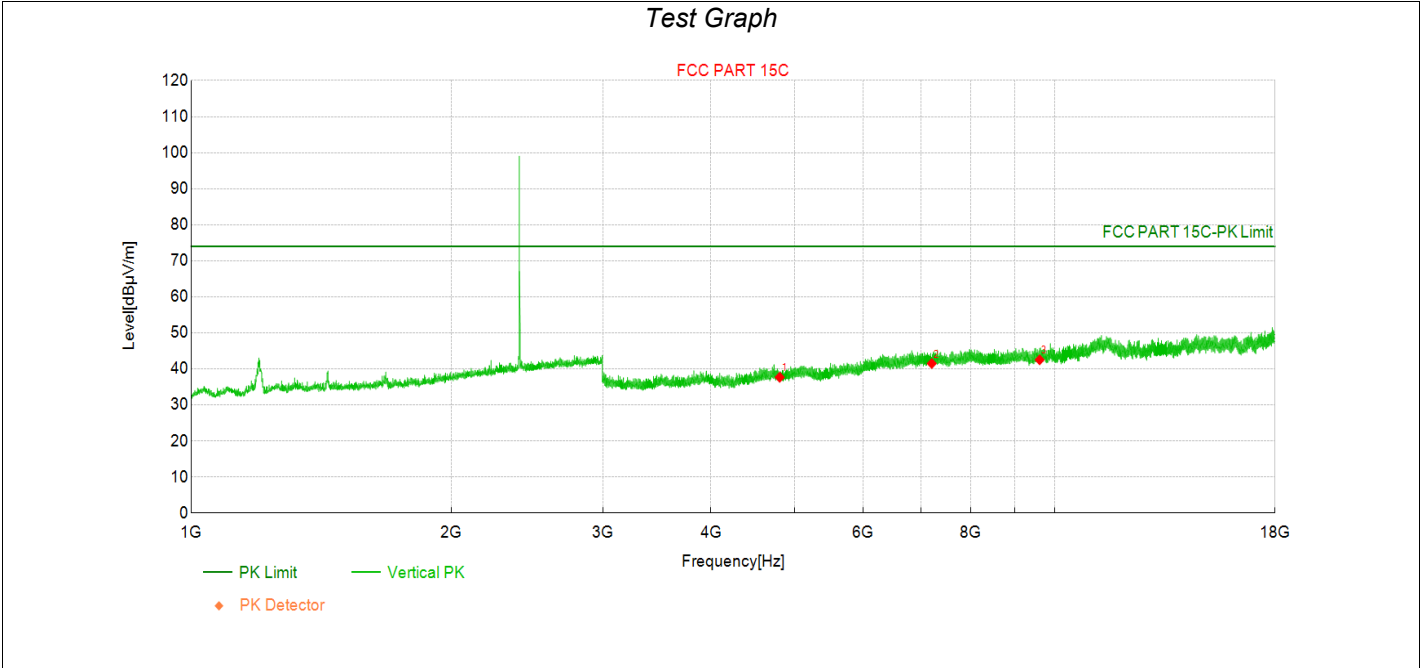
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	47.10	38.09	-8.96	74.00	35.91	PK	Horizo	PASS
	4804.00	-	13.30	-	54.00	40.70	AV	Horizo	PASS
2	7206.00	43.60	41.46	-2.13	74.00	32.54	PK	Horizo	PASS
	7206.00	-	16.67	-	54.00	37.33	AV	Horizo	PASS
3	9608.00	42.70	43.46	0.76	74.00	30.54	PK	Horizo	PASS
	9608.00	-	18.67	-	54.00	35.33	AV	Horizo	PASS

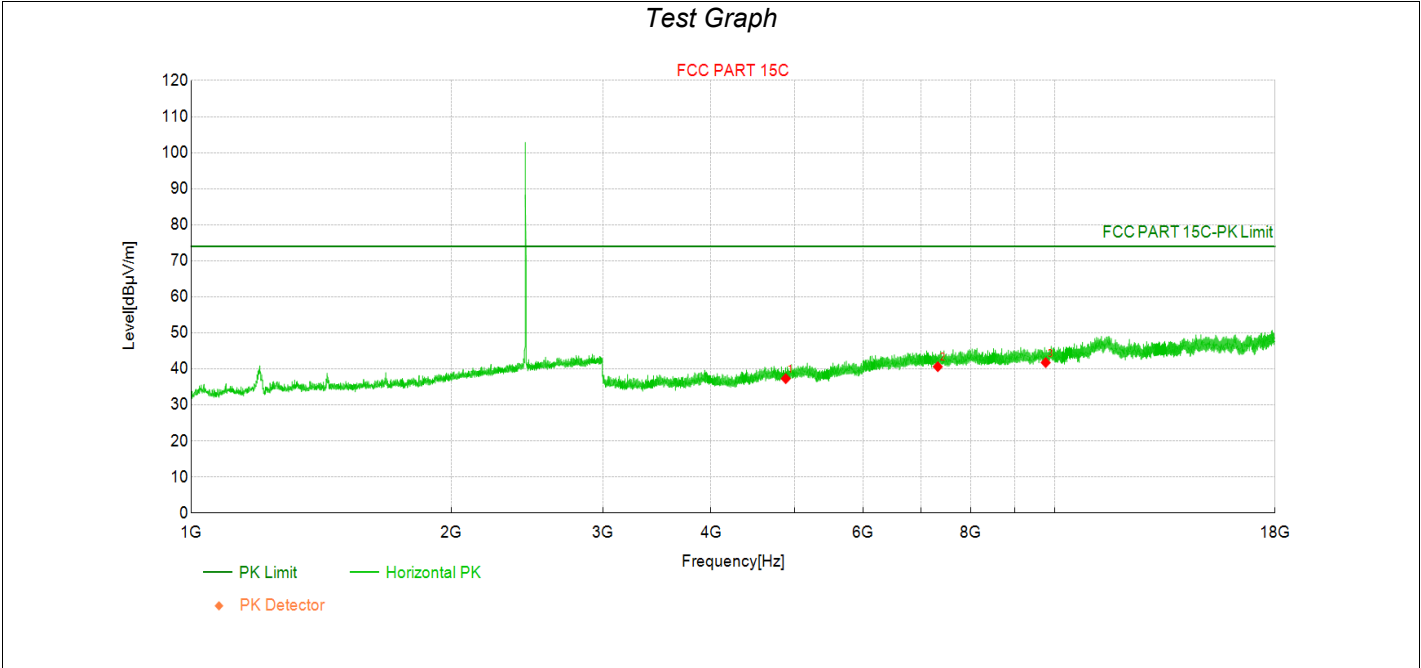
Transmit at 2402MHz by DH5



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	46.60	37.68	-8.96	74.00	36.32	PK	Vertic	PASS
	4804.00	-	12.89	-	54.00	41.11	AV	Vertic	PASS
2	7206.00	43.60	41.50	-2.13	74.00	32.50	PK	Vertic	PASS
	7206.00	-	16.71	-	54.00	37.29	AV	Vertic	PASS
3	9608.00	41.80	42.52	0.76	74.00	31.48	PK	Vertic	PASS
	9608.00	-	17.73	-	54.00	36.27	AV	Vertic	PASS

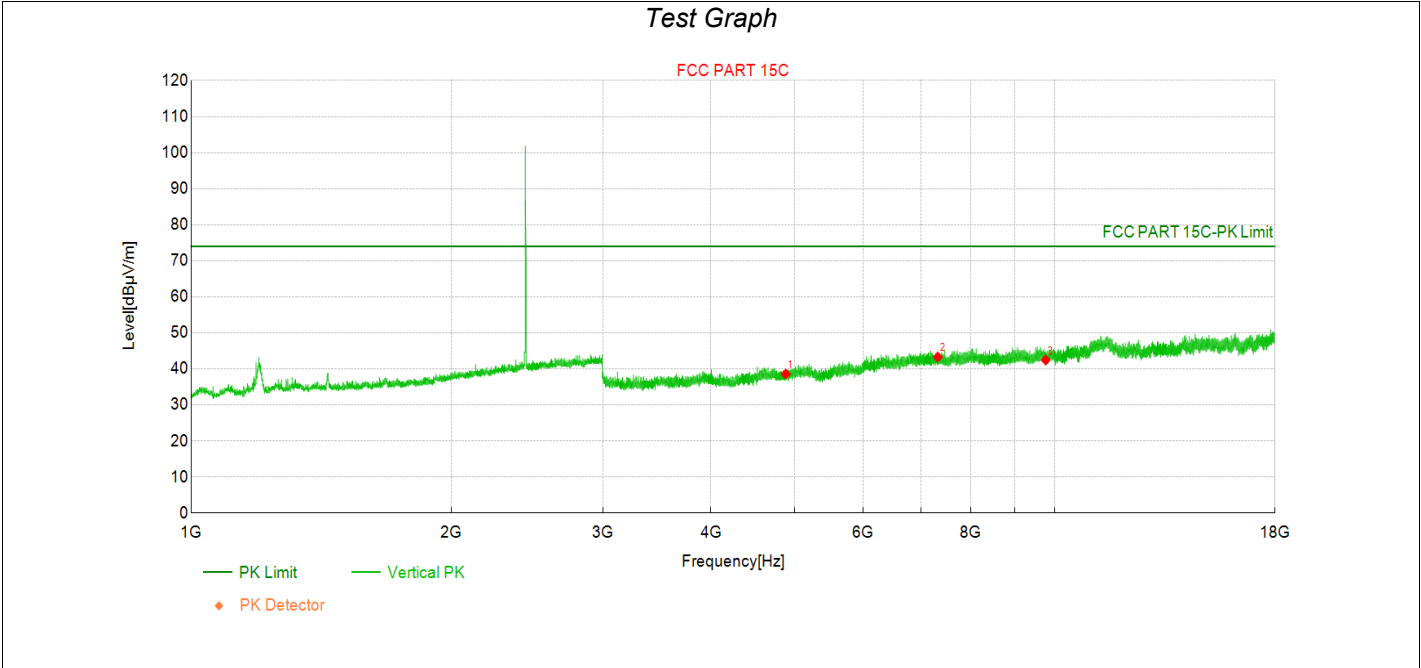
Transmit at 2441MHz by DH5



Data List

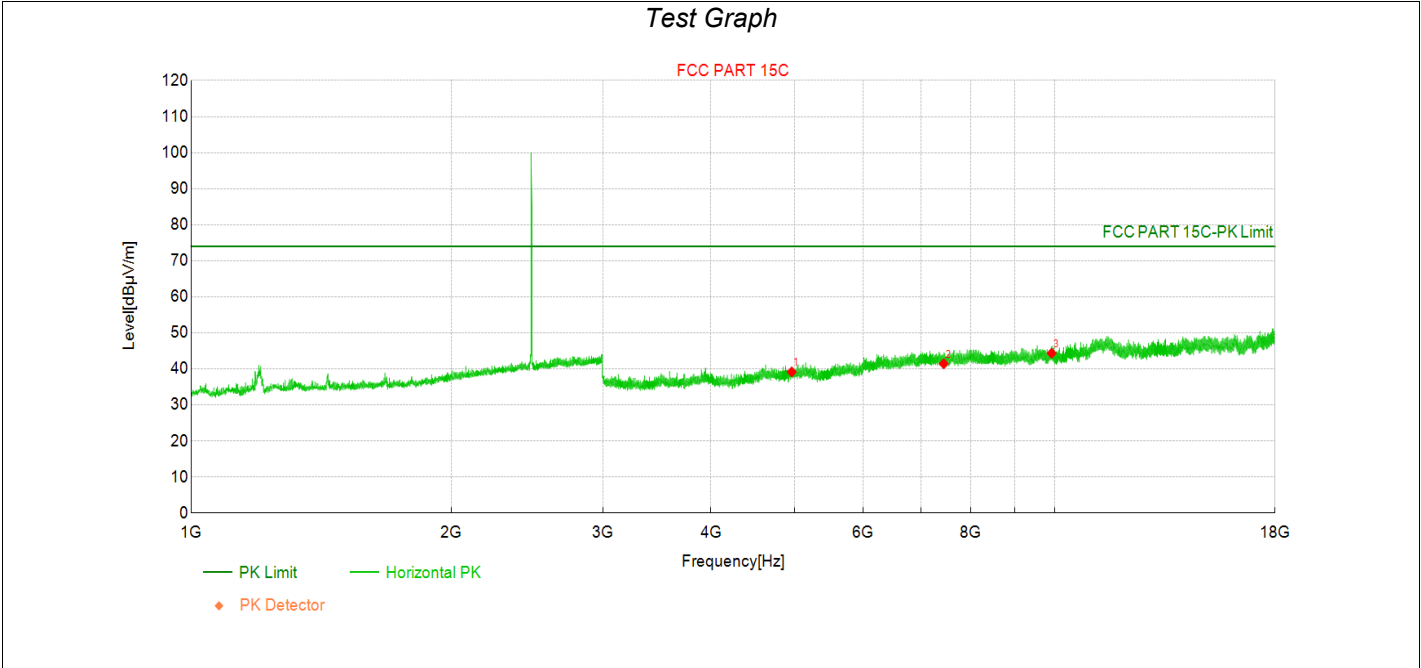
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	45.90	37.30	-8.58	74.00	36.70	PK	Horizo	PASS
	4882.00	-	12.51	-	54.00	41.49	AV	Horizo	PASS
2	7323.00	42.50	40.61	-1.87	74.00	33.39	PK	Horizo	PASS
	7323.00	-	15.82	-	54.00	38.18	AV	Horizo	PASS
3	9764.00	40.90	41.75	0.84	74.00	32.25	PK	Horizo	PASS
	9764.00	-	16.96	-	54.00	37.04	AV	Horizo	PASS

Transmit at 2441MHz by DH5



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	47.20	38.57	-8.58	74.00	35.43	PK	Vertic	PASS
	4882.00	-	13.78	-	54.00	40.22	AV	Vertic	PASS
2	7323.00	45.20	43.30	-1.87	74.00	30.70	PK	Vertic	PASS
	7323.00	-	18.51	-	54.00	35.49	AV	Vertic	PASS
3	9764.00	41.60	42.47	0.84	74.00	31.53	PK	Vertic	PASS
	9764.00	-	17.68	-	54.00	36.32	AV	Vertic	PASS

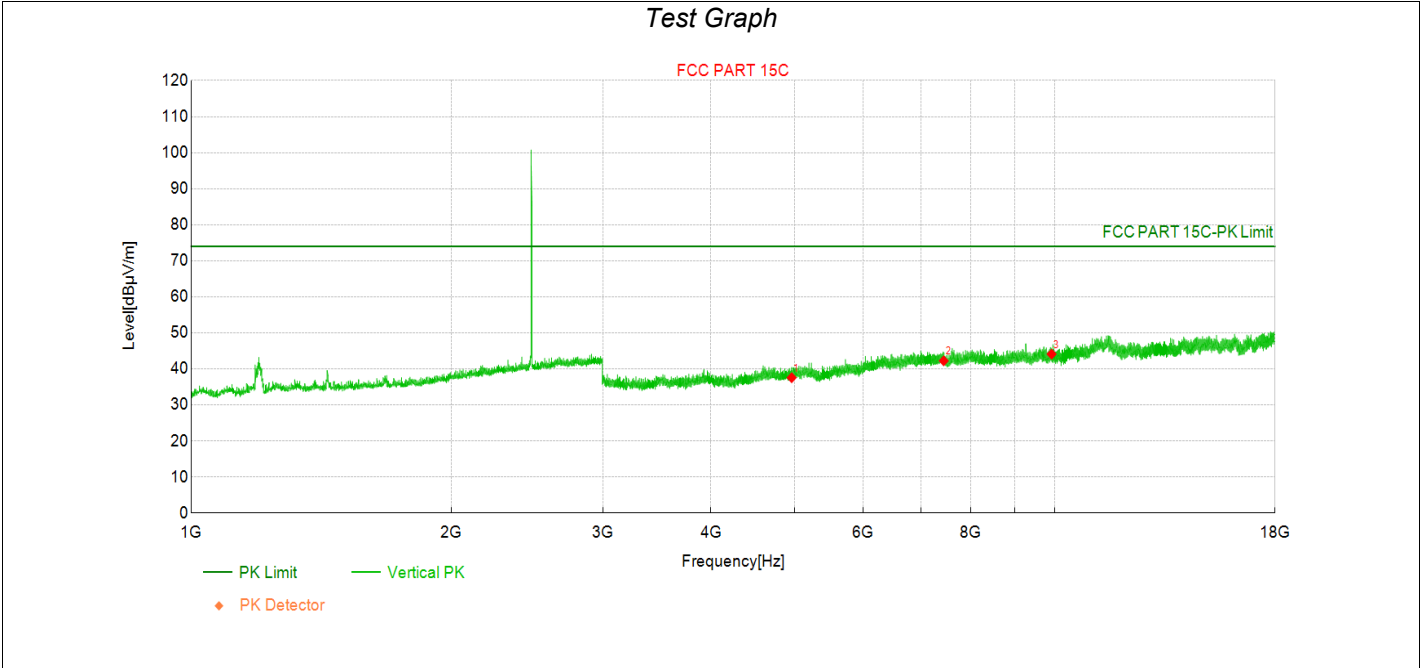
Transmit at 2480MHz by DH5



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	47.40	39.16	-8.25	74.00	34.84	PK	Horizo	PASS
	4960.00	-	14.37	-	54.00	39.63	AV	Horizo	PASS
2	7440.00	43.10	41.44	-1.69	74.00	32.56	PK	Horizo	PASS
	7440.00	-	16.65	-	54.00	37.35	AV	Horizo	PASS
3	9920.00	42.70	44.34	1.69	74.00	29.66	PK	Horizo	PASS
	9920.00	-	19.55	-	54.00	34.45	AV	Horizo	PASS

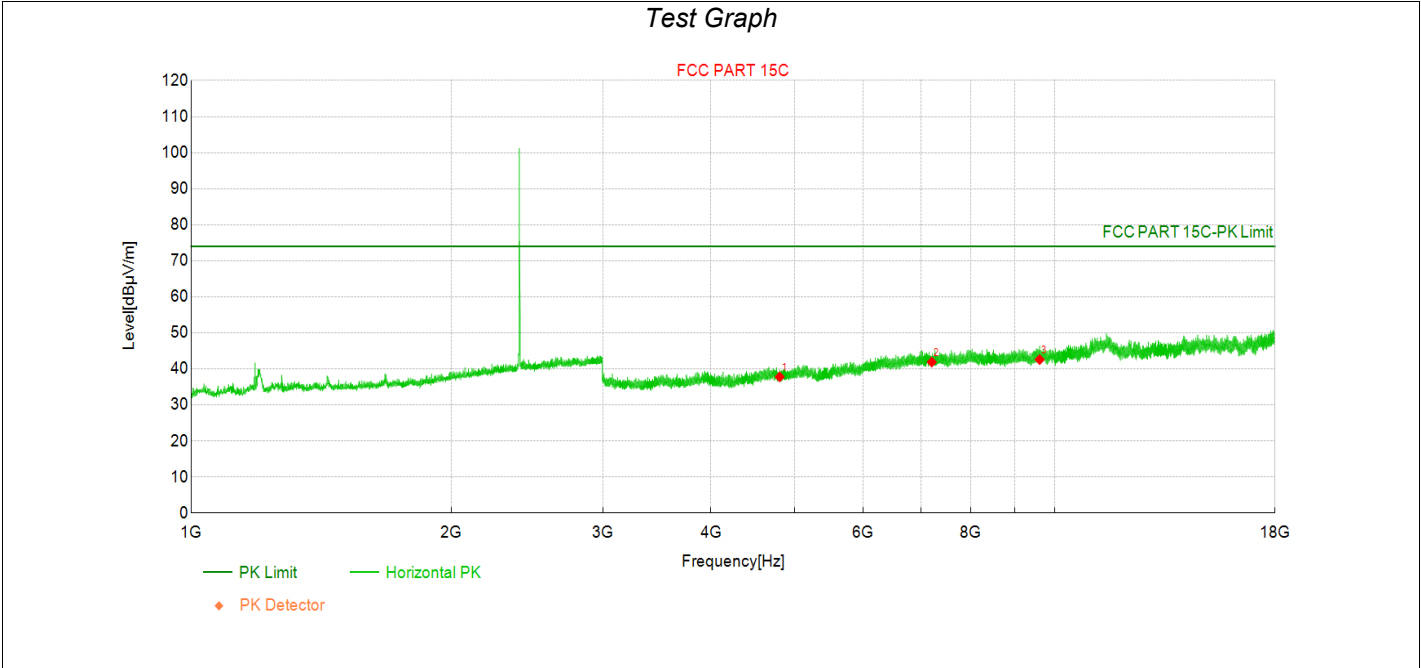
Transmit at 2480MHz by DH5



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	45.80	37.56	-8.25	74.00	36.44	PK	Vertic	PASS
	4960.00	-	12.77	-	54.00	41.23	AV	Vertic	PASS
2	7440.00	43.90	42.24	-1.69	74.00	31.76	PK	Vertic	PASS
	7440.00	-	17.45	-	54.00	36.55	AV	Vertic	PASS
3	9920.00	42.40	44.11	1.69	74.00	29.89	PK	Vertic	PASS
	9920.00	-	19.32	-	54.00	34.68	AV	Vertic	PASS

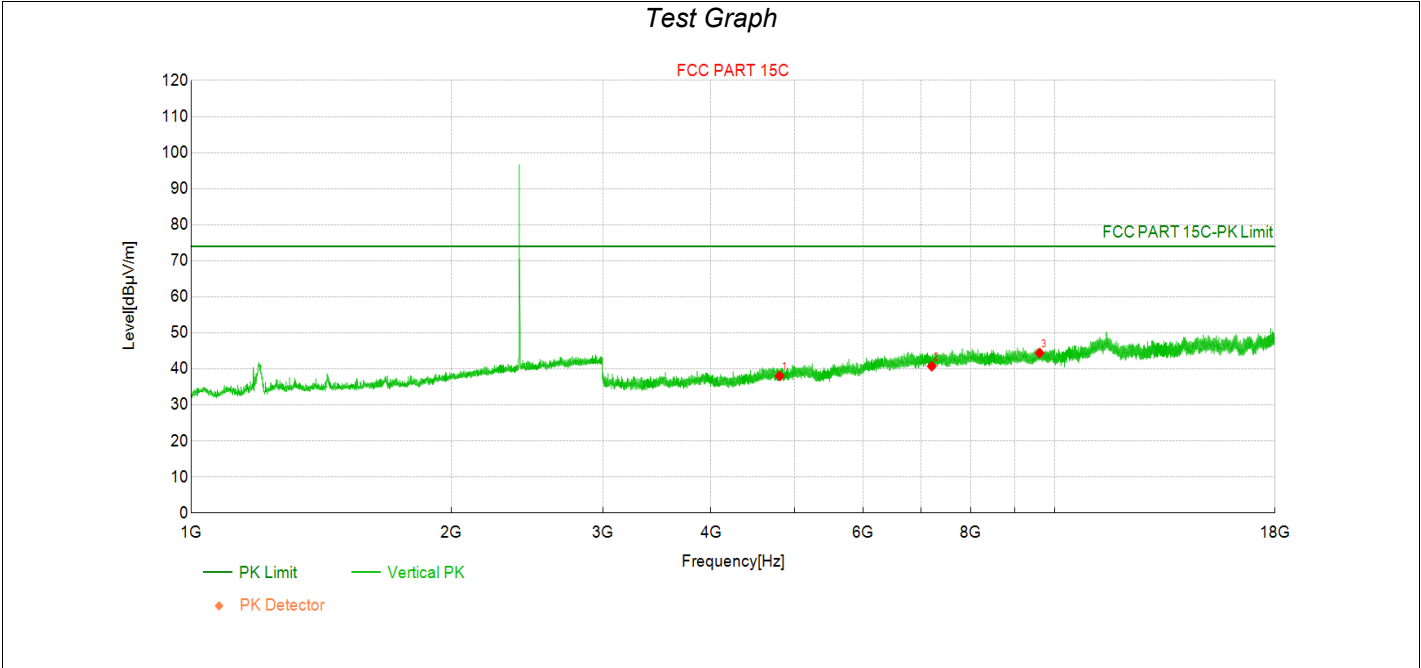
Transmit at 2402MHz by 2DH5



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	46.70	37.78	-8.96	74.00	36.22	PK	Horizo	PASS
	4804.00	-	12.99	-	54.00	41.01	AV	Horizo	PASS
2	7206.00	44.00	41.89	-2.13	74.00	32.11	PK	Horizo	PASS
	7206.00	-	17.10	-	54.00	36.90	AV	Horizo	PASS
3	9608.00	41.80	42.59	0.76	74.00	31.41	PK	Horizo	PASS
	9608.00	-	17.80	-	54.00	36.20	AV	Horizo	PASS

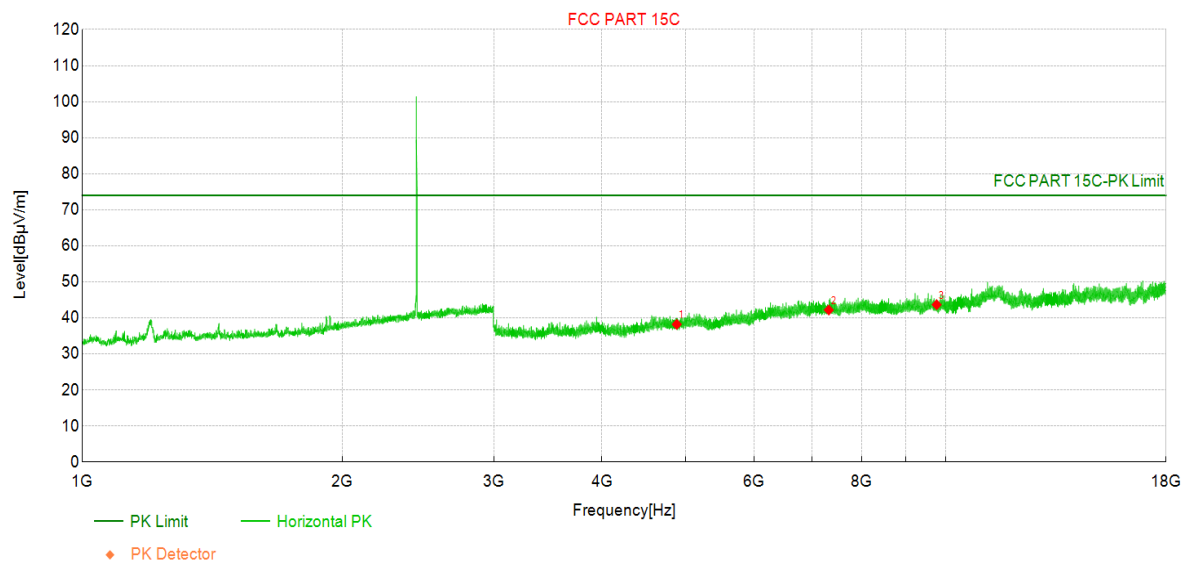
Transmit at 2402MHz by 2DH5



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	47.00	38.06	-8.96	74.00	35.94	PK	Vertic	PASS
	4804.00	-	13.27	-	54.00	40.73	AV	Vertic	PASS
2	7206.00	42.90	40.74	-2.13	74.00	33.26	PK	Vertic	PASS
	7206.00	-	15.95	-	54.00	38.05	AV	Vertic	PASS
3	9608.00	43.60	44.40	0.76	74.00	29.60	PK	Vertic	PASS
	9608.00	-	19.61	-	54.00	34.39	AV	Vertic	PASS

Transmit at 2441MHz by 2DH5

Test Graph

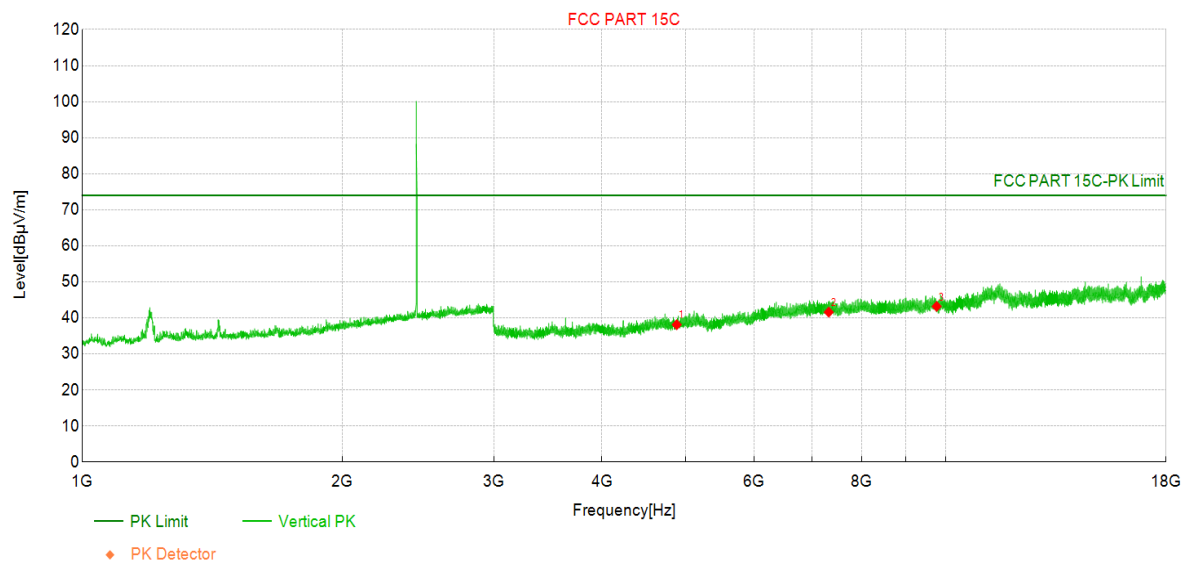


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	46.80	38.20	-8.58	74.00	35.80	PK	Horizo	PASS
	4882.00	-	13.41	-	54.00	40.59	AV	Horizo	PASS
2	7323.00	44.10	42.19	-1.87	74.00	31.81	PK	Horizo	PASS
	7323.00	-	17.40	-	54.00	36.60	AV	Horizo	PASS
3	9764.00	42.80	43.66	0.84	74.00	30.34	PK	Horizo	PASS
	9764.00	-	18.87	-	54.00	35.13	AV	Horizo	PASS

Transmit at 2441MHz by 2DH5

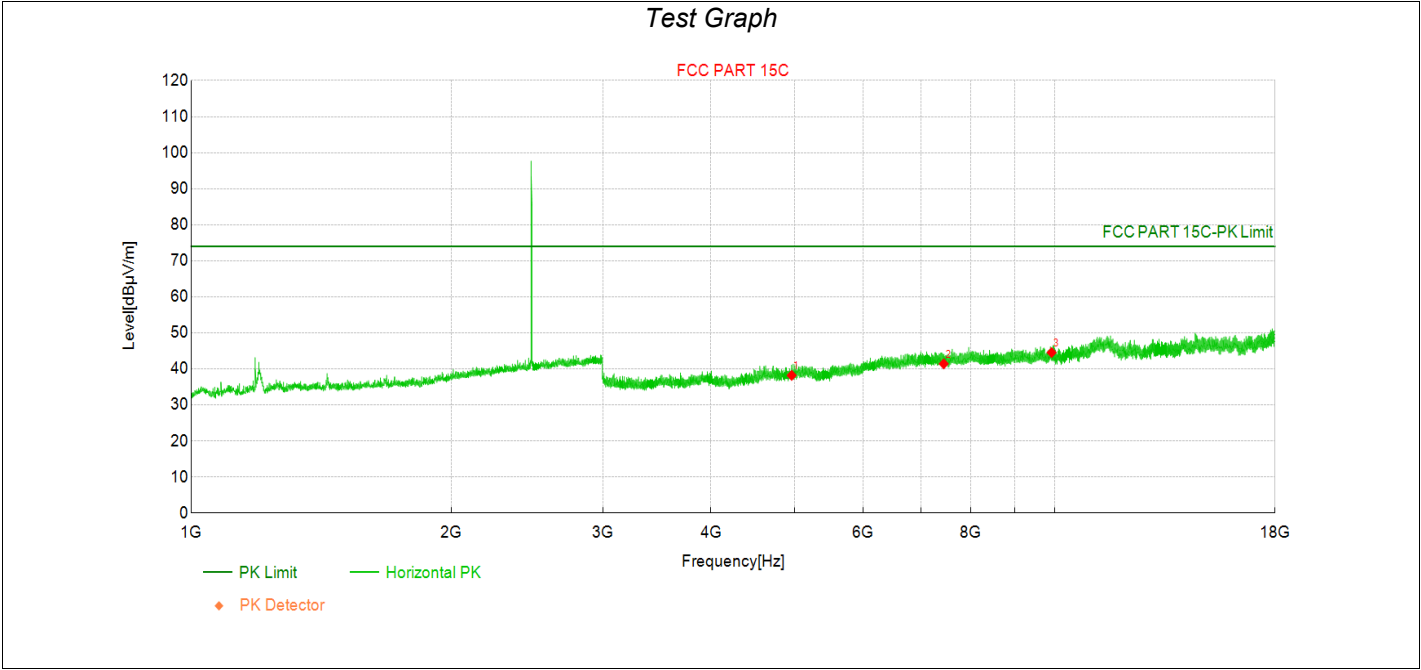
Test Graph



Data List

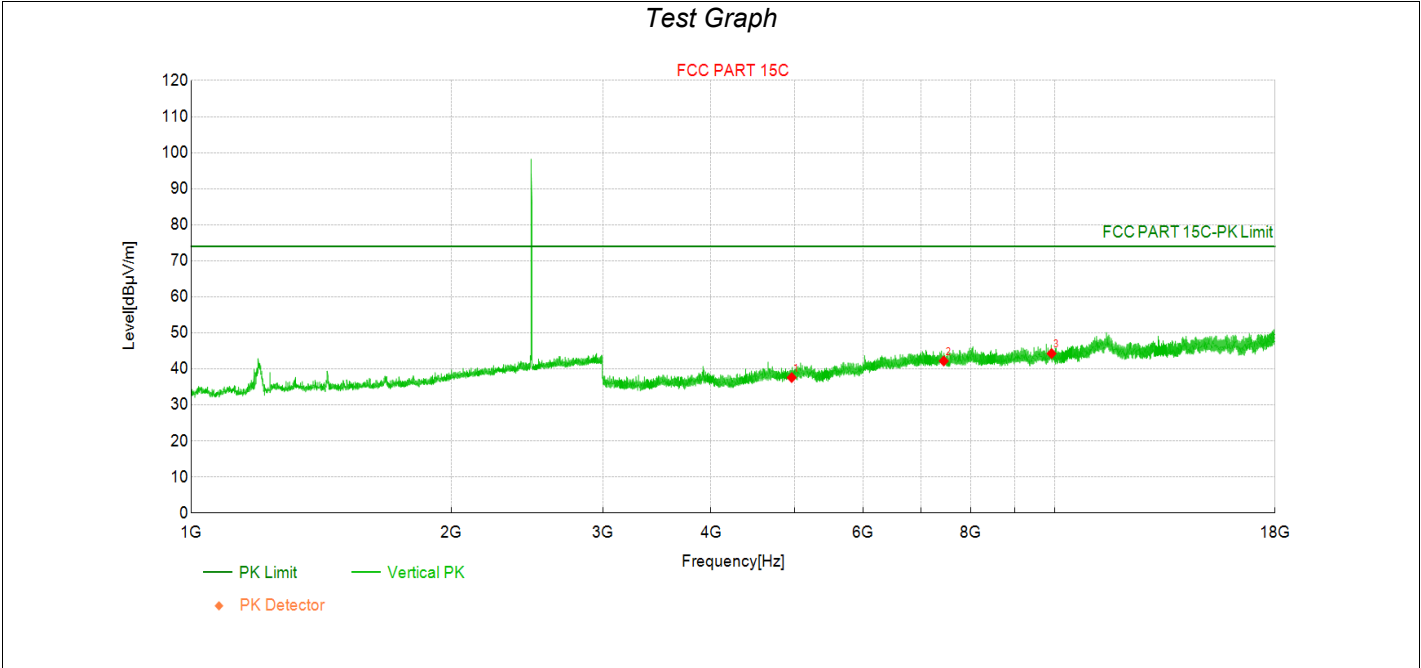
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	46.70	38.11	-8.58	74.00	35.89	PK	Vertic	PASS
	4882.00	-	13.32	-	54.00	40.68	AV	Vertic	PASS
2	7323.00	43.50	41.60	-1.87	74.00	32.40	PK	Vertic	PASS
	7323.00	-	16.81	-	54.00	37.19	AV	Vertic	PASS
3	9764.00	42.40	43.19	0.84	74.00	30.81	PK	Vertic	PASS
	9764.00	-	18.40	-	54.00	35.60	AV	Vertic	PASS

Transmit at 2480MHz by 2DH5



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	46.50	38.20	-8.25	74.00	35.80	PK	Horizo	PASS
	4960.00	-	13.41	-	54.00	40.59	AV	Horizo	PASS
2	7440.00	43.10	41.40	-1.69	74.00	32.60	PK	Horizo	PASS
	7440.00	-	16.61	-	54.00	37.39	AV	Horizo	PASS
3	9920.00	42.90	44.54	1.69	74.00	29.46	PK	Horizo	PASS
	9920.00	-	19.75	-	54.00	34.25	AV	Horizo	PASS

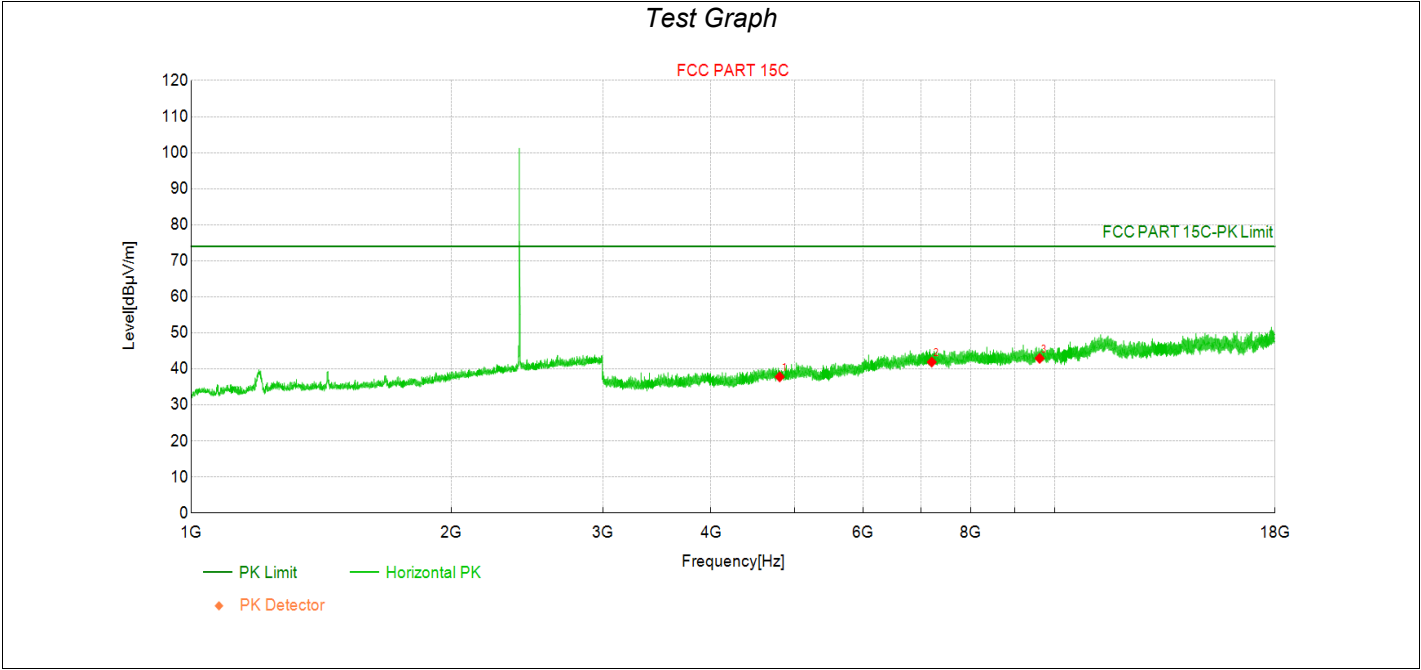
Transmit at 2480MHz by 2DH5



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	45.80	37.59	-8.25	74.00	36.41	PK	Vertic	PASS
	4960.00	-	12.80	-	54.00	41.20	AV	Vertic	PASS
2	7440.00	43.90	42.19	-1.69	74.00	31.81	PK	Vertic	PASS
	7440.00	-	17.40	-	54.00	36.60	AV	Vertic	PASS
3	9920.00	42.60	44.26	1.69	74.00	29.74	PK	Vertic	PASS
	9920.00	-	19.47	-	54.00	34.53	AV	Vertic	PASS

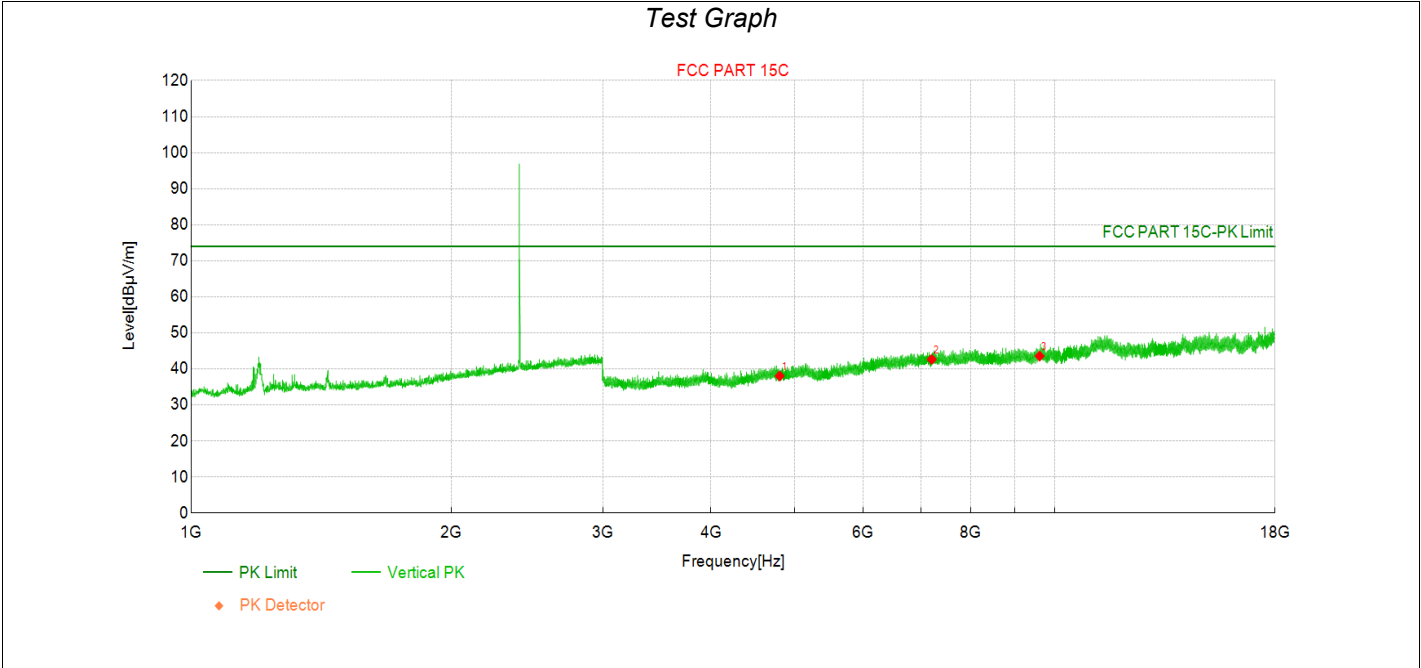
Transmit at 2402MHz by 3DH5



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	46.80	37.79	-8.96	74.00	36.21	PK	Horizo	PASS
	4804.00	-	13.00	-	54.00	41.00	AV	Horizo	PASS
2	7206.00	44.00	41.89	-2.13	74.00	32.11	PK	Horizo	PASS
	7206.00	-	17.10	-	54.00	36.90	AV	Horizo	PASS
3	9608.00	42.20	42.92	0.76	74.00	31.08	PK	Horizo	PASS
	9608.00	-	18.13	-	54.00	35.87	AV	Horizo	PASS

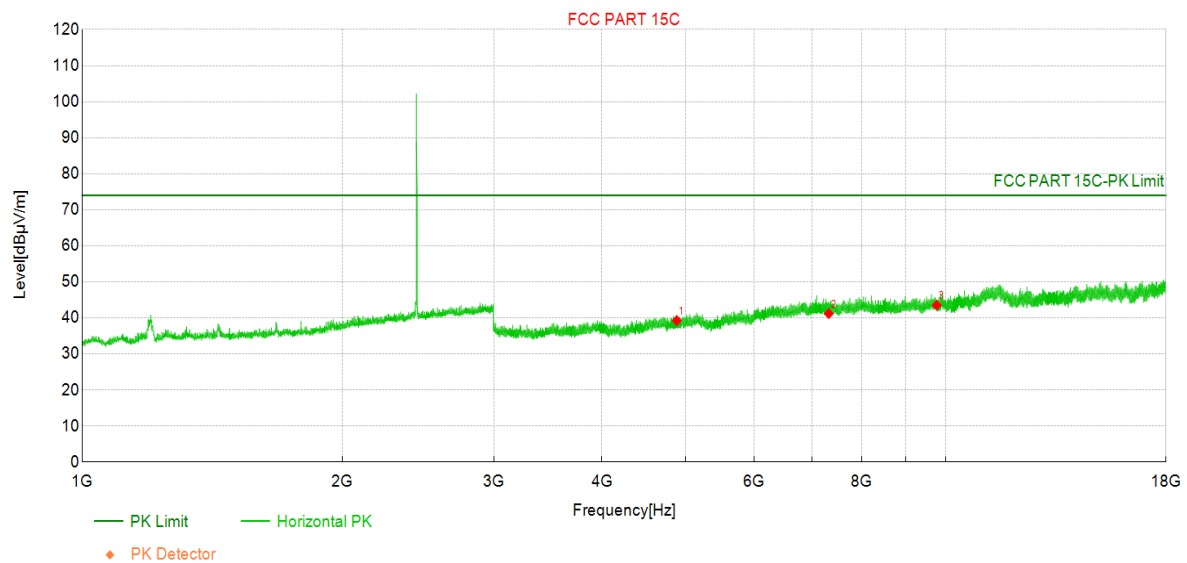
Transmit at 2402MHz by 3DH5



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	47.00	38.03	-8.96	74.00	35.97	PK	Vertic	PASS
	4804.00	-	13.24	-	54.00	40.76	AV	Vertic	PASS
2	7206.00	44.80	42.63	-2.13	74.00	31.37	PK	Vertic	PASS
	7206.00	-	17.84	-	54.00	36.16	AV	Vertic	PASS
3	9608.00	42.80	43.55	0.76	74.00	30.45	PK	Vertic	PASS
	9608.00	-	18.76	-	54.00	35.24	AV	Vertic	PASS

Transmit at 2441MHz by 3DH5

Test Graph

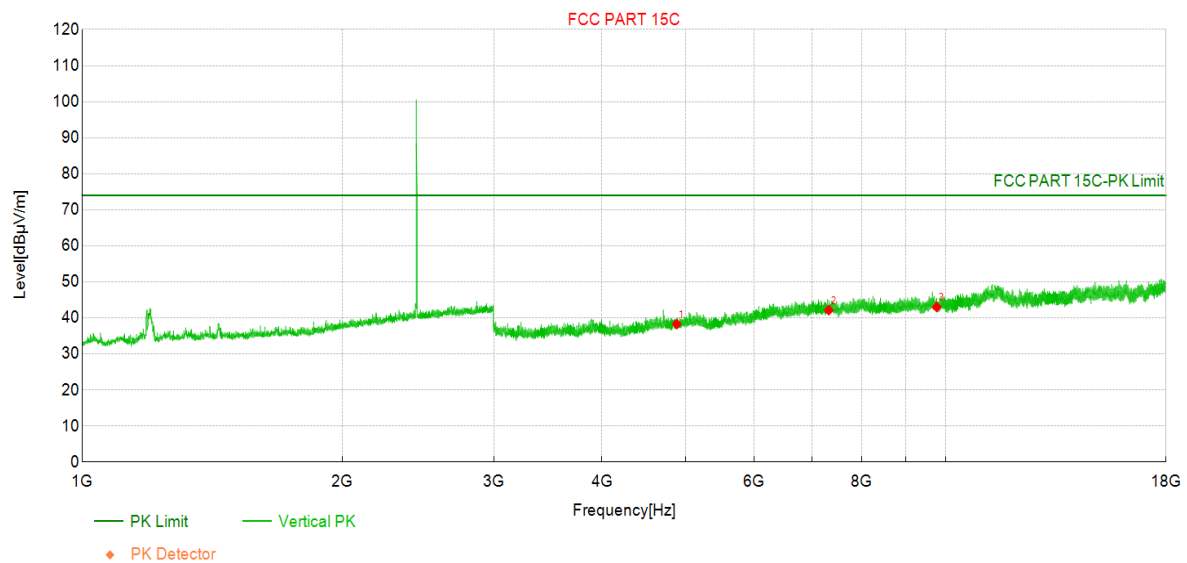


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	47.90	39.27	-8.58	74.00	34.73	PK	Horizo	PASS
	4882.00	-	14.48	-	54.00	39.52	AV	Horizo	PASS
2	7323.00	43.10	41.20	-1.87	74.00	32.80	PK	Horizo	PASS
	7323.00	-	16.41	-	54.00	37.59	AV	Horizo	PASS
3	9764.00	42.70	43.51	0.84	74.00	30.49	PK	Horizo	PASS
	9764.00	-	18.72	-	54.00	35.28	AV	Horizo	PASS

Transmit at 2441MHz by 3DH5

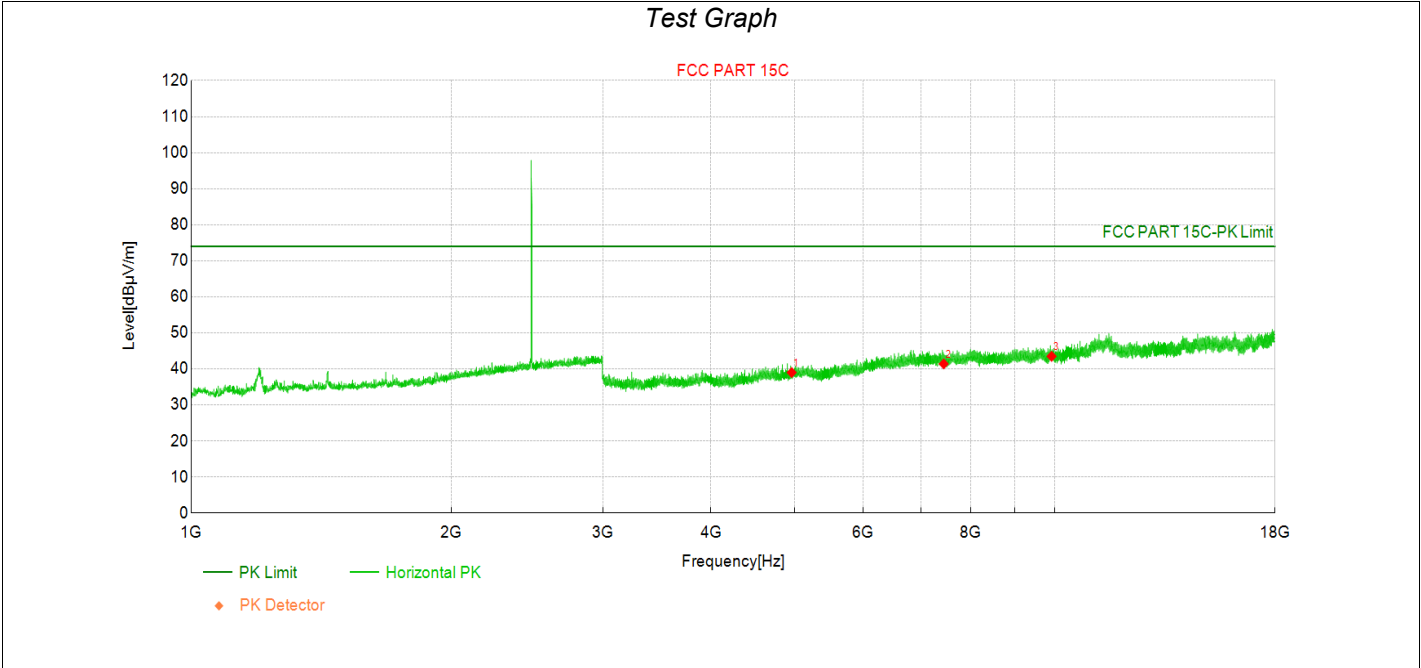
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	46.90	38.29	-8.58	74.00	35.71	PK	Vertic	PASS
	4882.00	-	13.50	-	54.00	40.50	AV	Vertic	PASS
2	7323.00	44.00	42.16	-1.87	74.00	31.84	PK	Vertic	PASS
	7323.00	-	17.37	-	54.00	36.63	AV	Vertic	PASS
3	9764.00	42.20	43.02	0.84	74.00	30.98	PK	Vertic	PASS
	9764.00	-	18.23	-	54.00	35.77	AV	Vertic	PASS

Transmit at 2480MHz by 3DH5

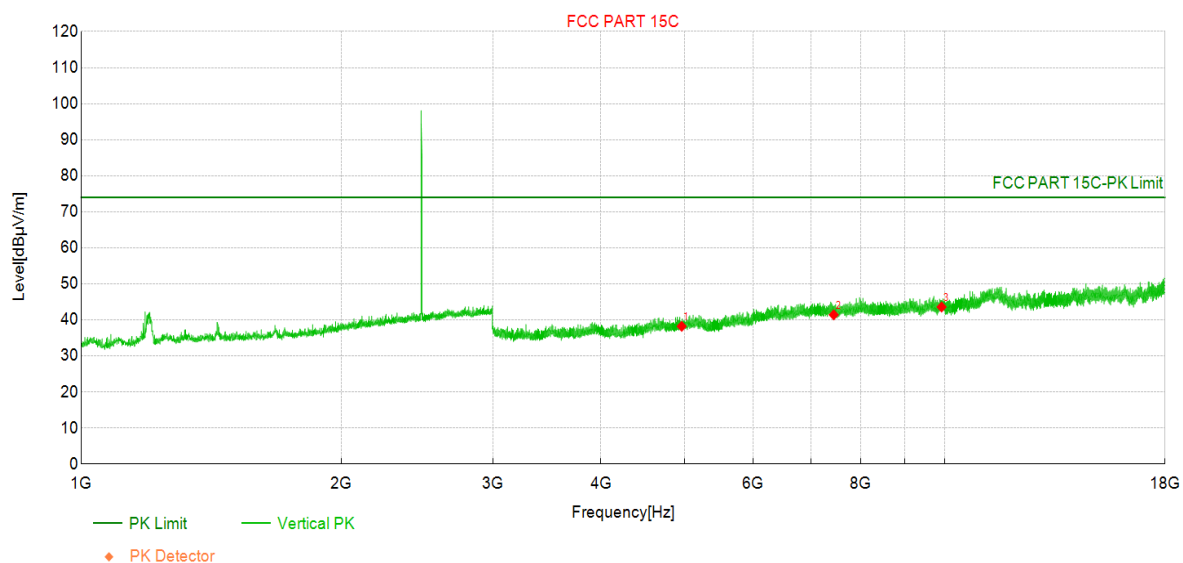


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	47.20	38.99	-8.25	74.00	35.01	PK	Horizo	PASS
	4960.00	-	14.20	-	54.00	39.80	AV	Horizo	PASS
2	7440.00	43.10	41.39	-1.69	74.00	32.61	PK	Horizo	PASS
	7440.00	-	16.60	-	54.00	37.40	AV	Horizo	PASS
3	9920.00	41.80	43.49	1.69	74.00	30.51	PK	Horizo	PASS
	9920.00	-	18.70	-	54.00	35.30	AV	Horizo	PASS

Transmit at 2480MHz by 3DH5

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	46.50	38.21	-8.25	74.00	35.79	PK	Vertic	PASS
	4960.00	-	13.42	-	54.00	40.58	AV	Vertic	PASS
2	7440.00	43.10	41.41	-1.69	74.00	32.59	PK	Vertic	PASS
	7440.00	-	16.62	-	54.00	37.38	AV	Vertic	PASS
3	9920.00	41.90	43.58	1.69	74.00	30.42	PK	Vertic	PASS
	9920.00	-	18.79	-	54.00	35.21	AV	Vertic	PASS

Note:

1. Level = Reading + Factor

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

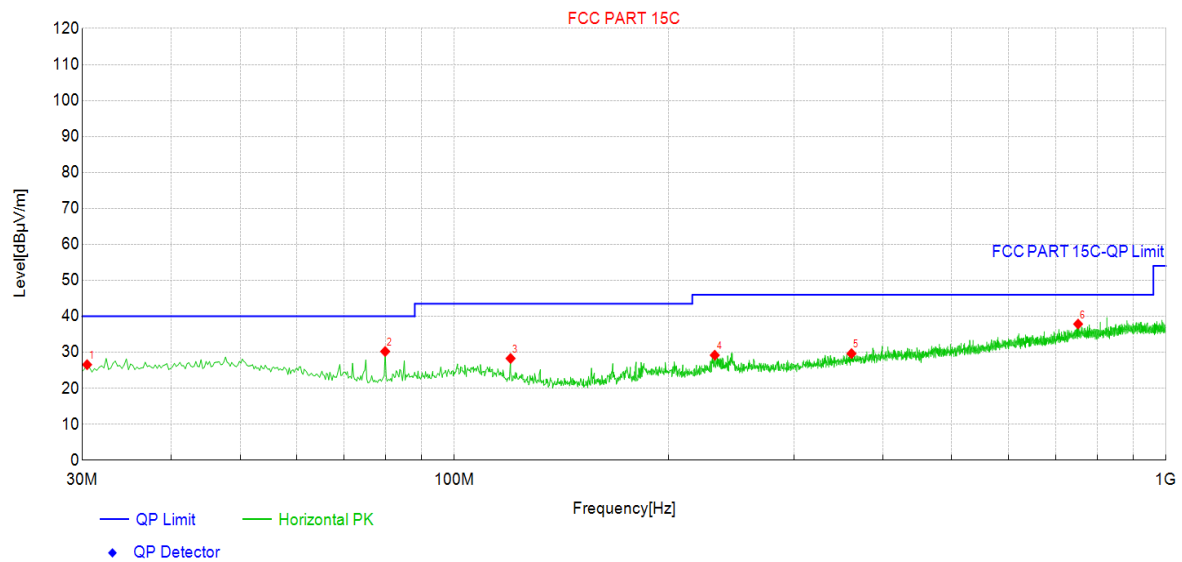
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.

4. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.

The worst case of Radiated Emission below 1GHz :

Transmit at 2402MHz by DH5

Test Graph

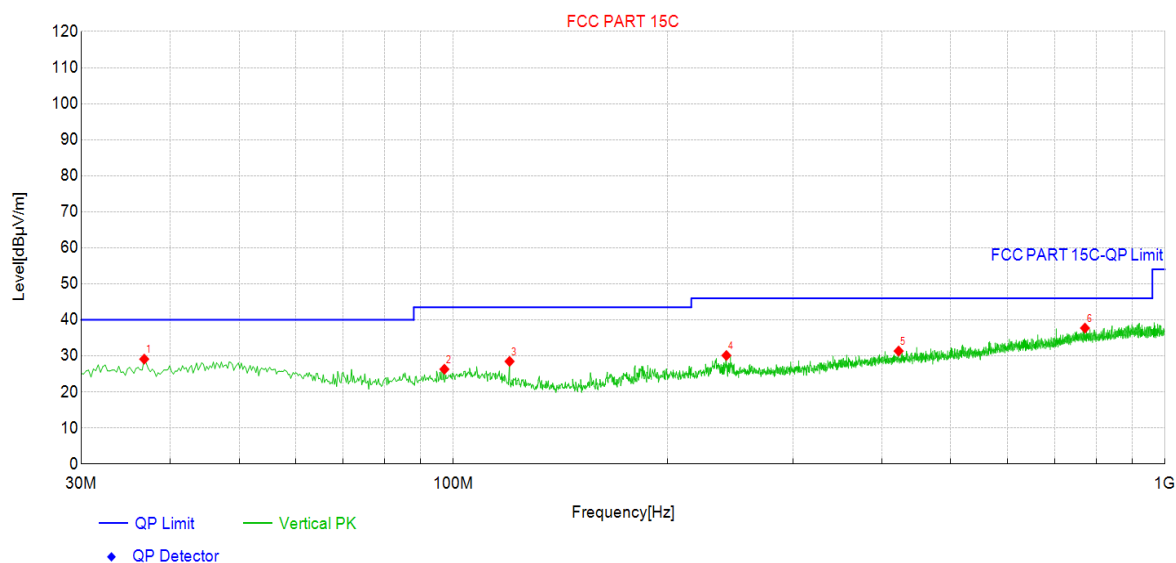


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	30.49	13.6	26.56	12.930	40.00	13.44	PK	Horizo	PASS
2	79.96	20.5	30.23	9.710	40.00	9.77	PK	Horizo	PASS
3	119.97	17.5	28.30	10.840	43.50	15.20	PK	Horizo	PASS
4	232.25	16.5	29.20	12.710	46.00	16.80	PK	Horizo	PASS
5	361.50	14.1	29.64	15.550	46.00	16.36	PK	Horizo	PASS
6	752.41	16.4	37.85	21.500	46.00	8.15	PK	Horizo	PASS

Transmit at 2402MHz by DH5

Test Graph



Data List

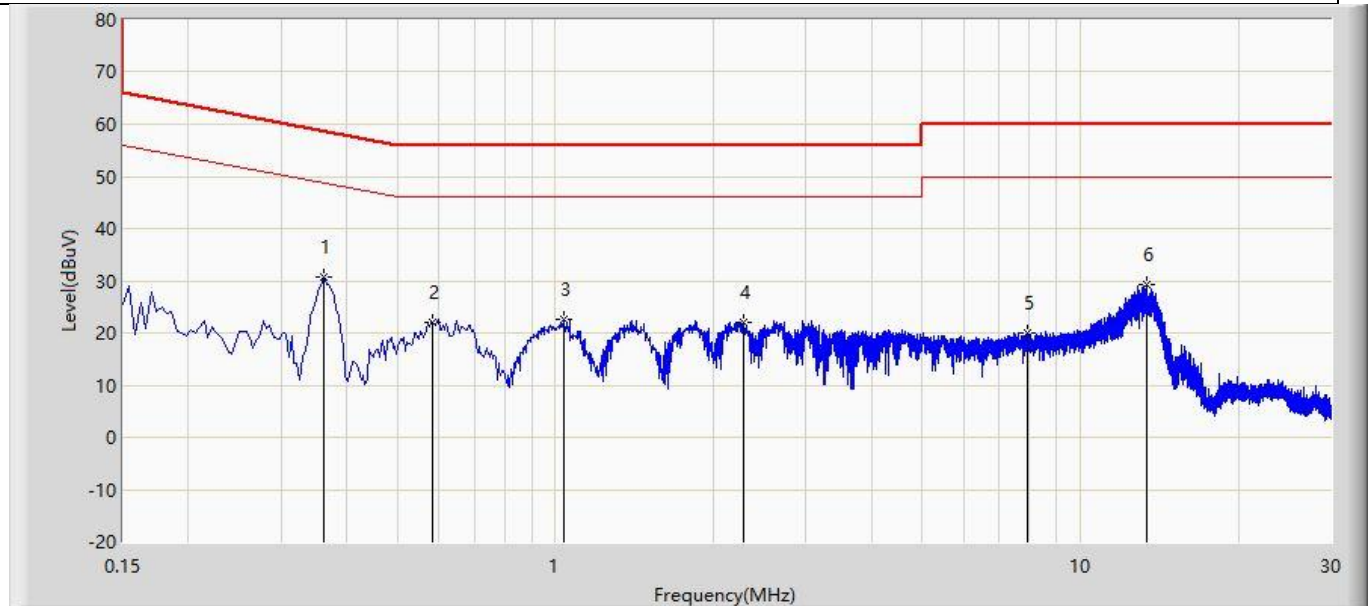
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	36.79	15.8	29.11	13.350	40.00	10.89	PK	Vertic	PASS
2	97.17	14.2	26.31	12.120	43.50	17.19	PK	Vertic	PASS
3	119.97	17.6	28.48	10.840	43.50	15.02	PK	Vertic	PASS
4	241.95	17.2	30.13	12.980	46.00	15.87	PK	Vertic	PASS
5	422.37	15.0	31.36	16.360	46.00	14.64	PK	Vertic	PASS
6	771.81	16.2	37.73	21.560	46.00	8.27	PK	Vertic	PASS

Note:

1. All Readings below 1GHz are PK, PK as an alternative to CISPR quasi-peak measurements or average measurements.
2. Level=Reading+Factor.

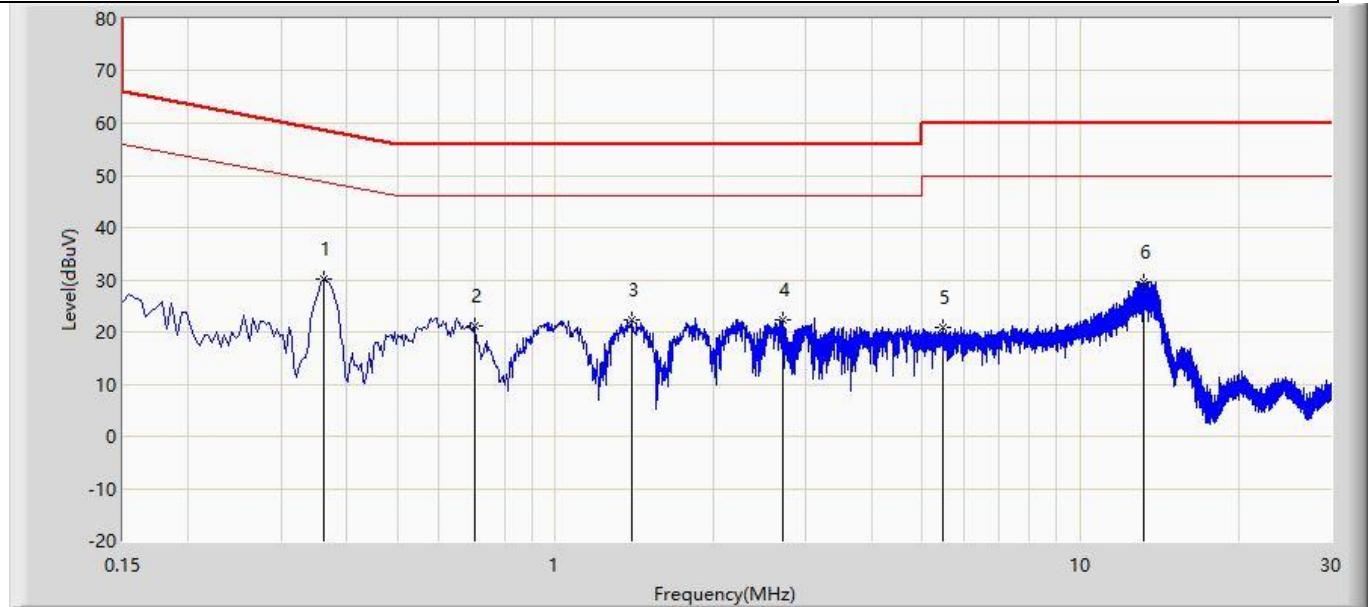
Appendix I : AC Power Line Conducted Emission

Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Transmit at 2402MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.362	30.777	21.096	-27.906	58.682	9.681	QP
2		0.582	22.121	12.436	-33.879	56.000	9.685	QP
3		1.038	22.527	12.824	-33.473	56.000	9.702	QP
4		2.282	22.077	12.303	-33.923	56.000	9.774	QP
5		7.946	20.001	10.100	-39.999	60.000	9.901	QP
6		13.410	29.333	19.327	-30.667	60.000	10.007	QP

Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Transmit at 2402MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.362	30.085	20.469	-28.597	58.682	9.616	QP
2		0.702	21.261	11.611	-34.739	56.000	9.650	QP
3		1.402	22.216	12.530	-33.784	56.000	9.686	QP
4		2.702	22.408	12.676	-33.592	56.000	9.732	QP
5		5.474	20.887	11.062	-39.113	60.000	9.825	QP
6		13.214	29.596	19.567	-30.404	60.000	10.029	QP

Note:

1. " * ", means this data is the worst emission level.

The End