



BLE_125K_Ant1_2402



BLE_125K_Ant1_2440



BLE_125K_Ant1_2480



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440

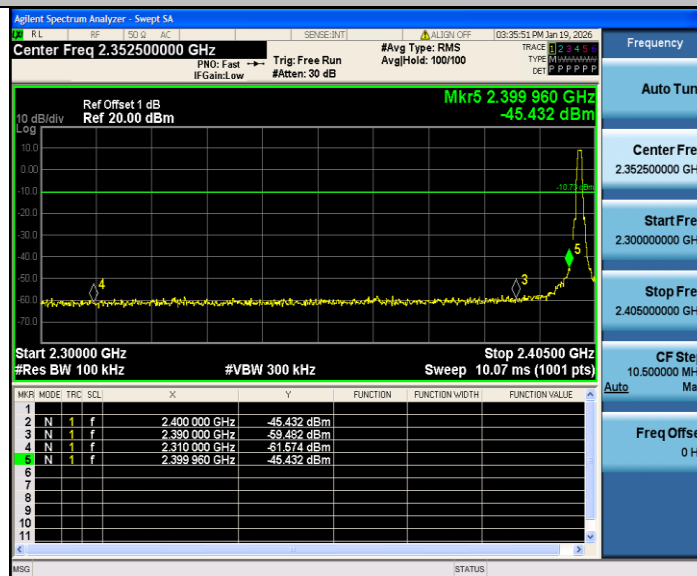


BLE_500K_Ant1_2480

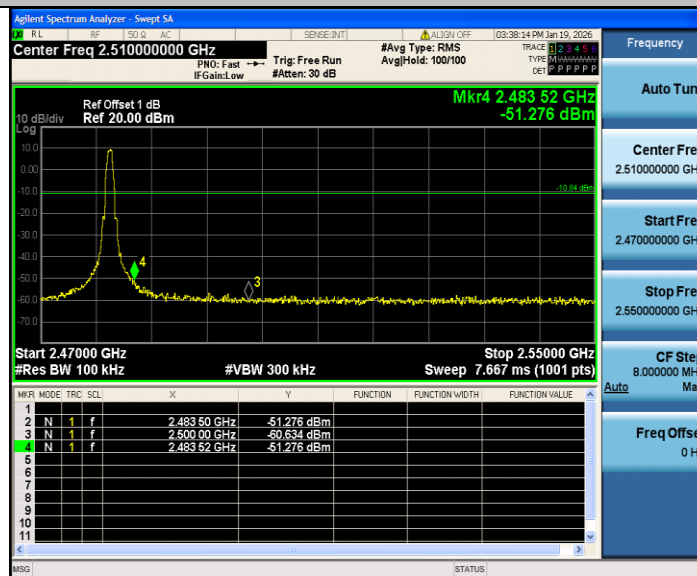


Band edge measurements :

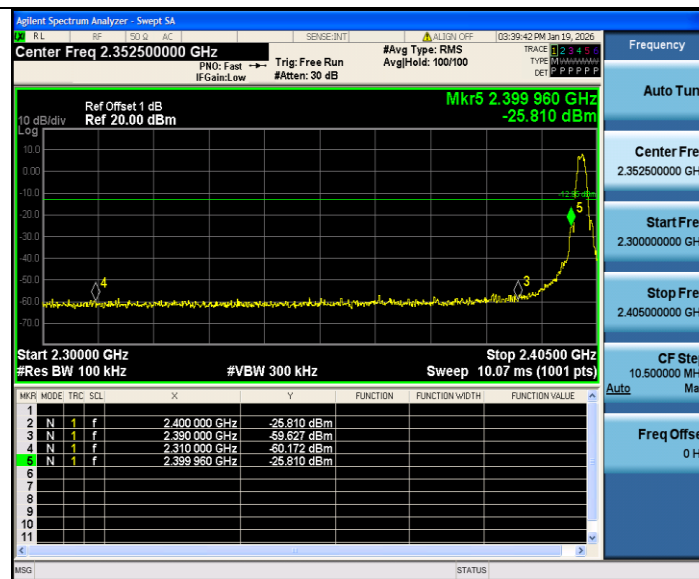
BLE_1M_Ant1_Low_2402



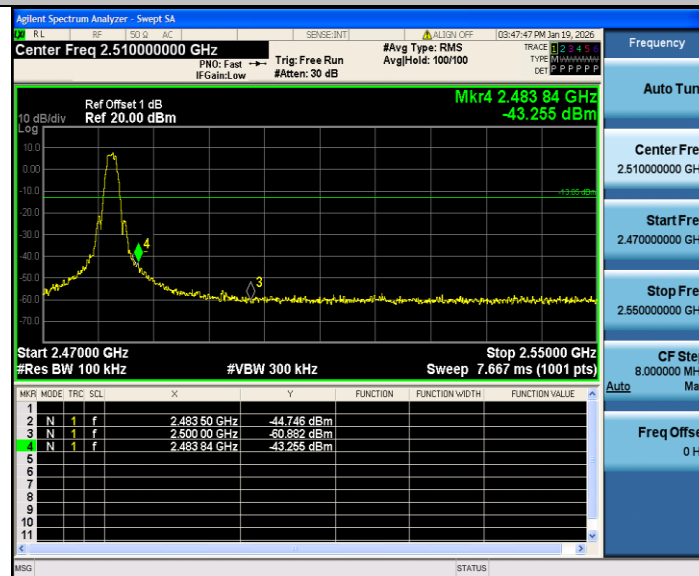
BLE_1M_Ant1_High_2480



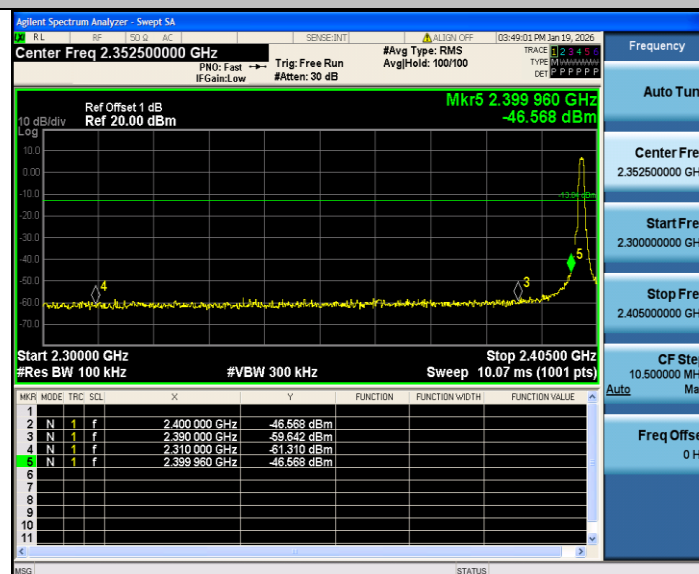
BLE_2M_Ant1_Low_2402



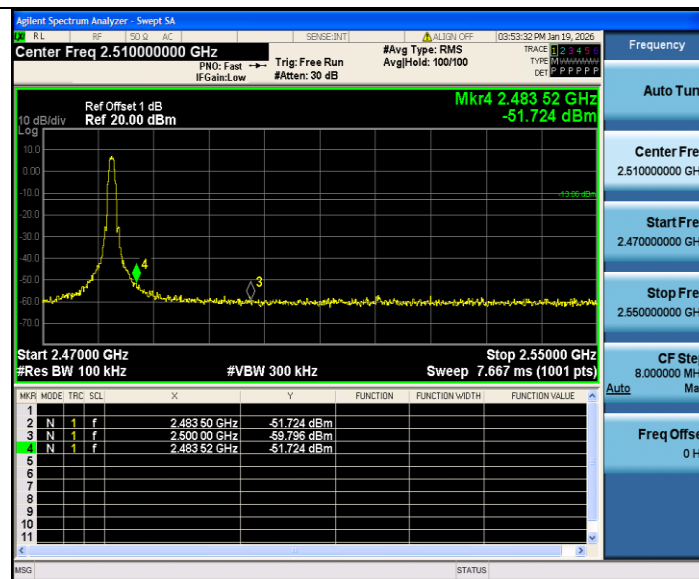
BLE_2M_Ant1_High_2480



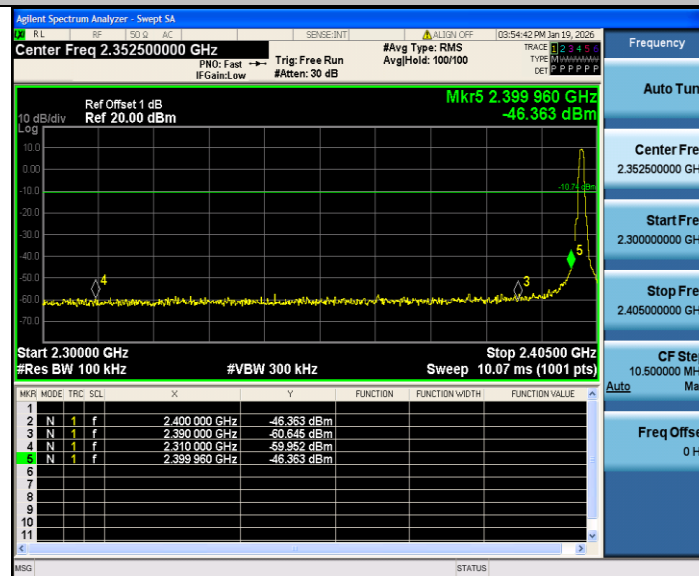
BLE_125K_Ant1_Low_2402



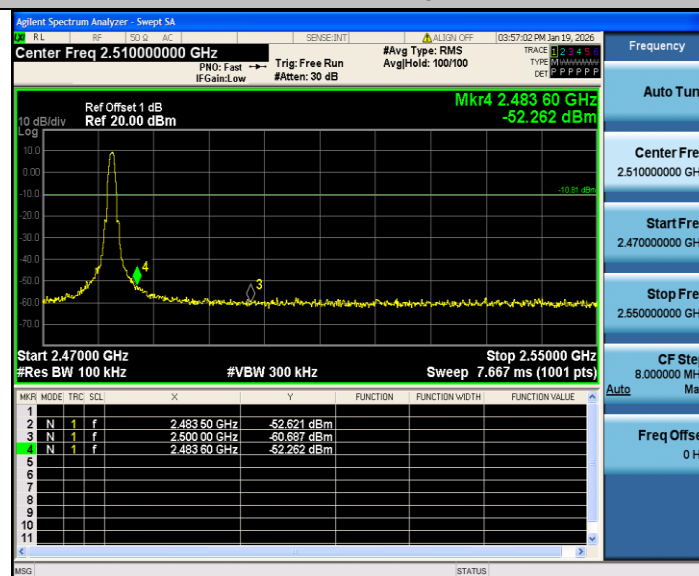
BLE_125K_Ant1_High_2480



BLE_500K_Ant1_Low_2402

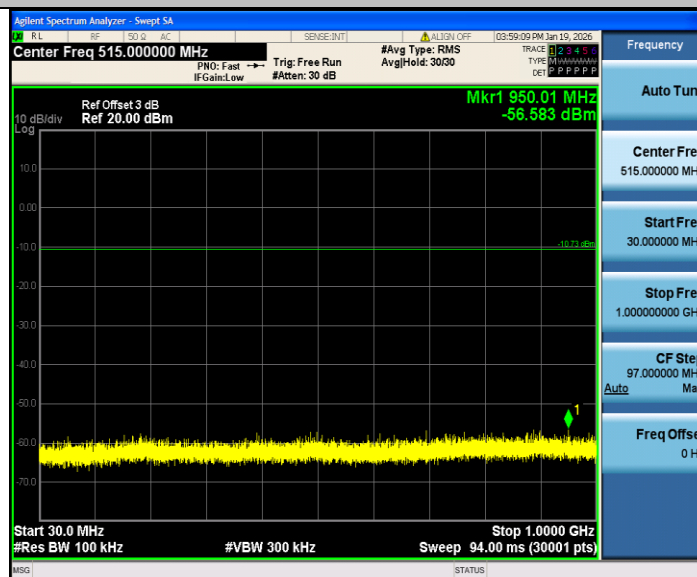


BLE_500K_Ant1_High_2480

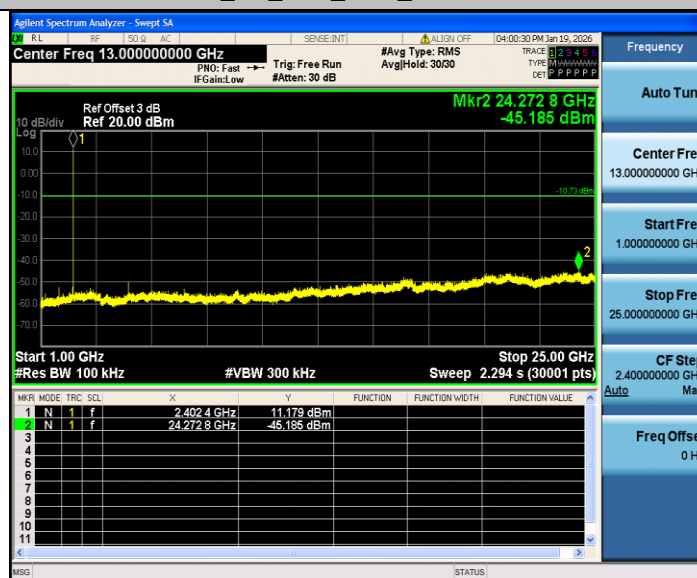


Conducted Spurious Emission :

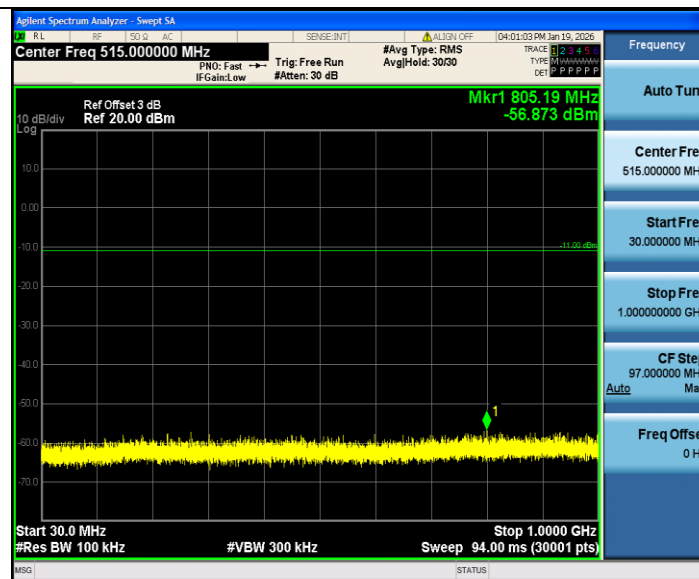
BLE_1M_Ant1_2402_30~1000



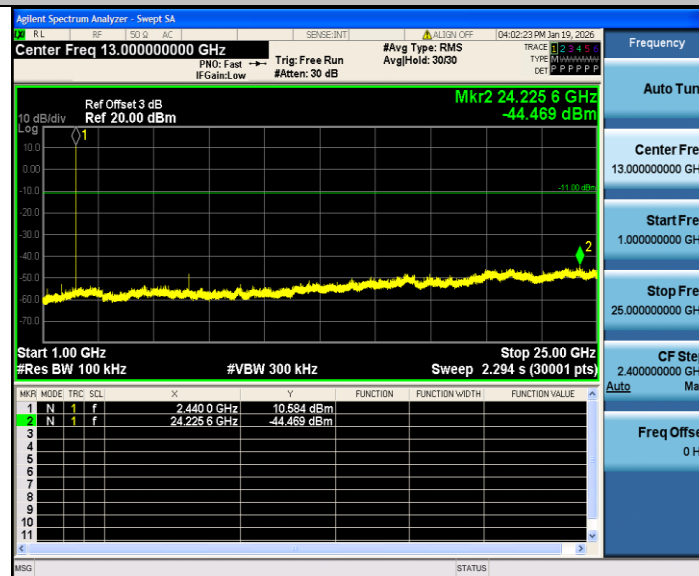
BLE_1M_Ant1_2402_1000~25000



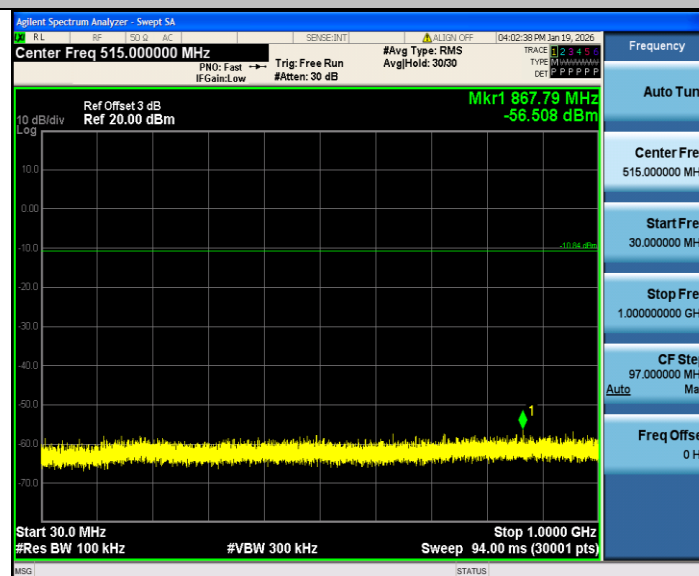
BLE_1M_Ant1_2440_30~1000



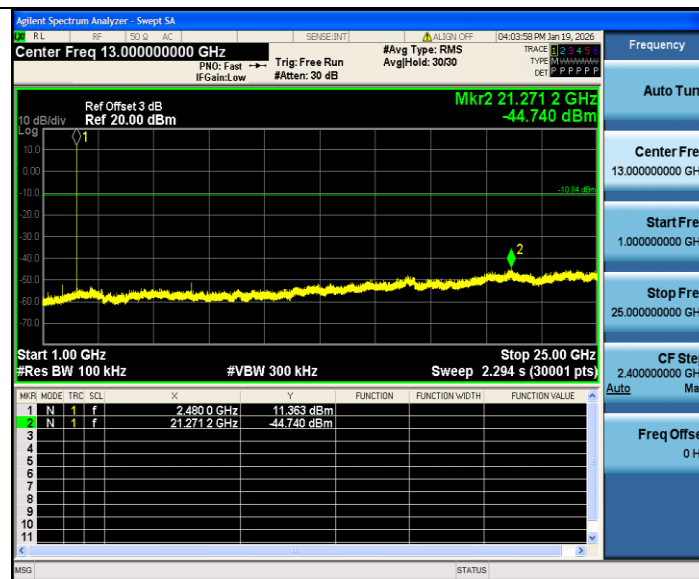
BLE_1M_Ant1_2440_1000~25000



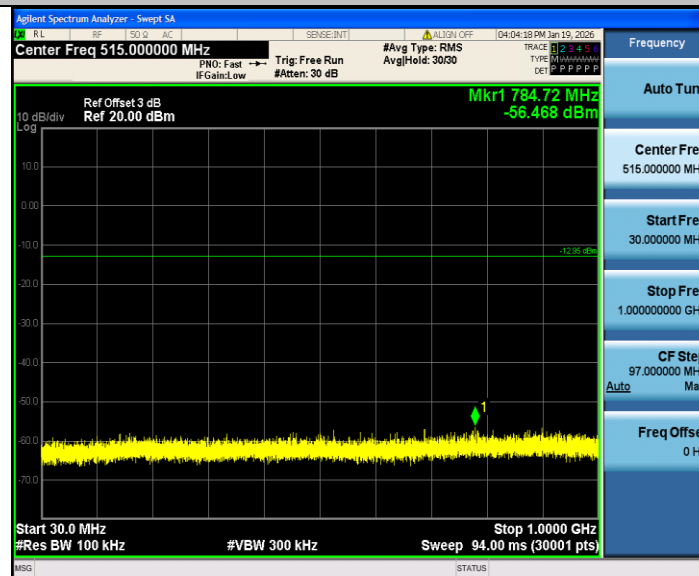
BLE_1M_Ant1_2480_30~1000



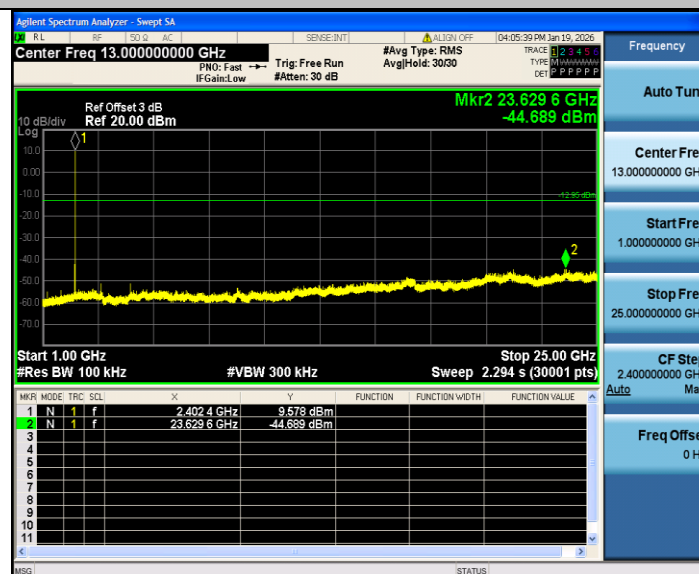
BLE_1M_Ant1_2480_1000~25000



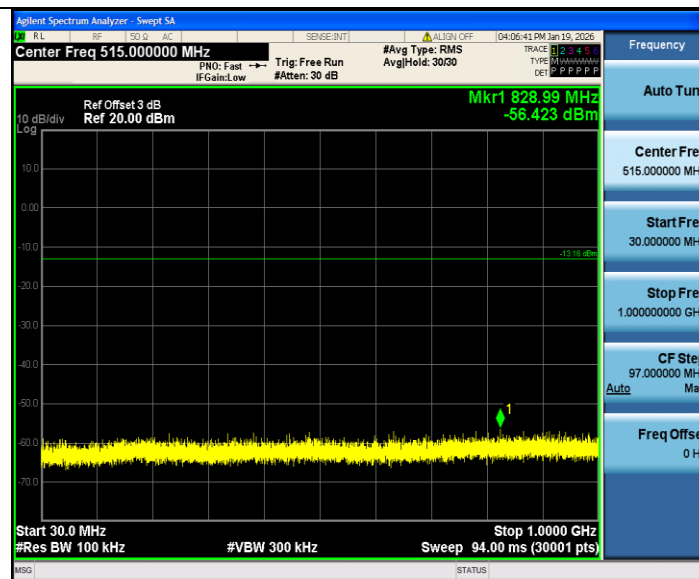
BLE_2M_Ant1_2402_30~1000



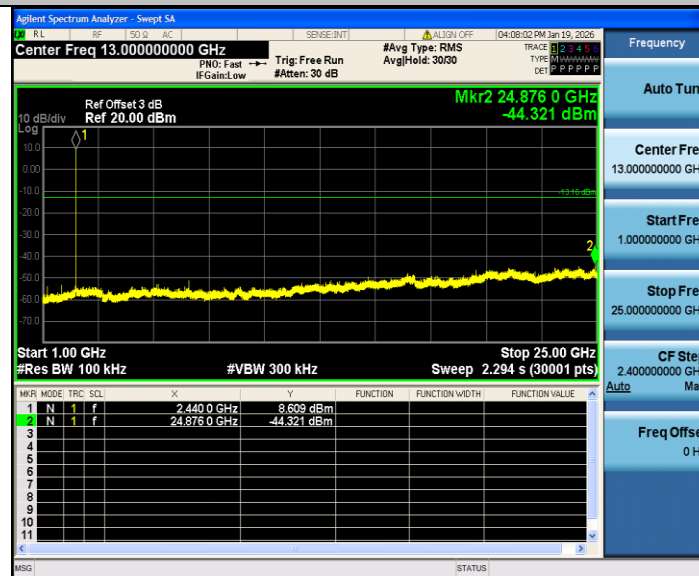
BLE_2M_Ant1_2402_1000~25000



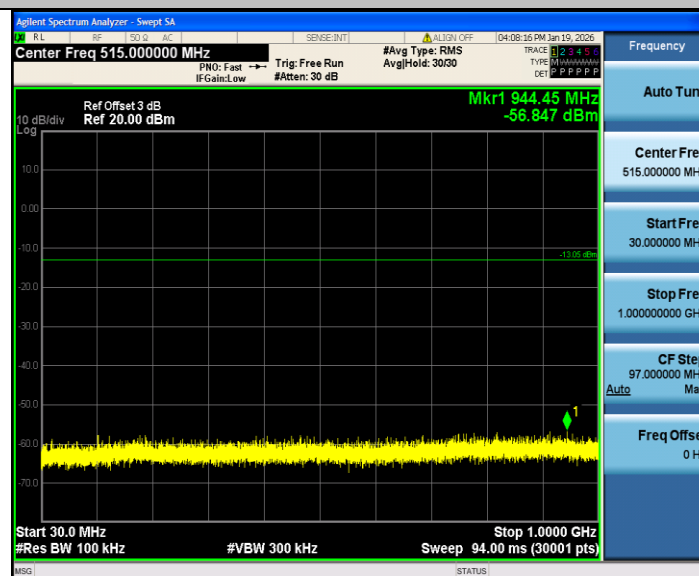
BLE_2M_Ant1_2440_30~1000



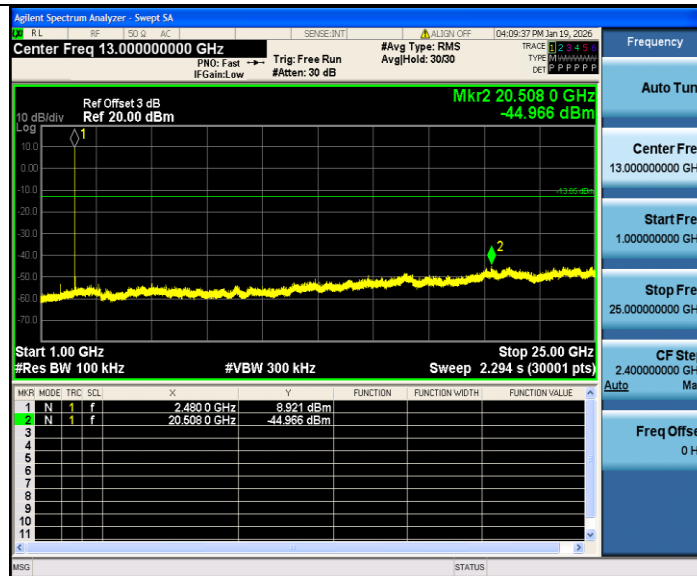
BLE_2M_Ant1_2440_1000~25000



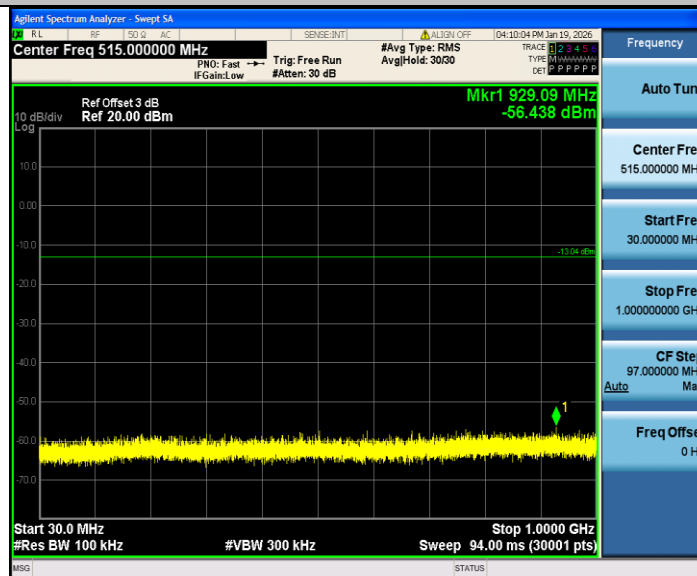
BLE_2M_Ant1_2480_30~1000



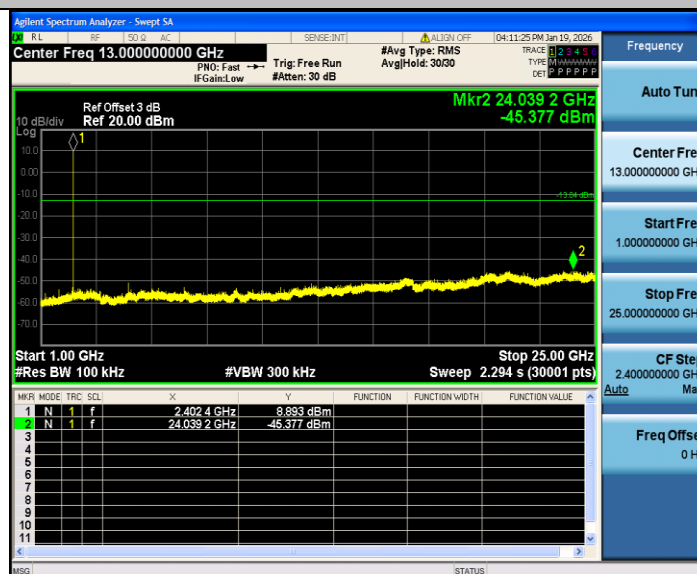
BLE_2M_Ant1_2480_1000~25000



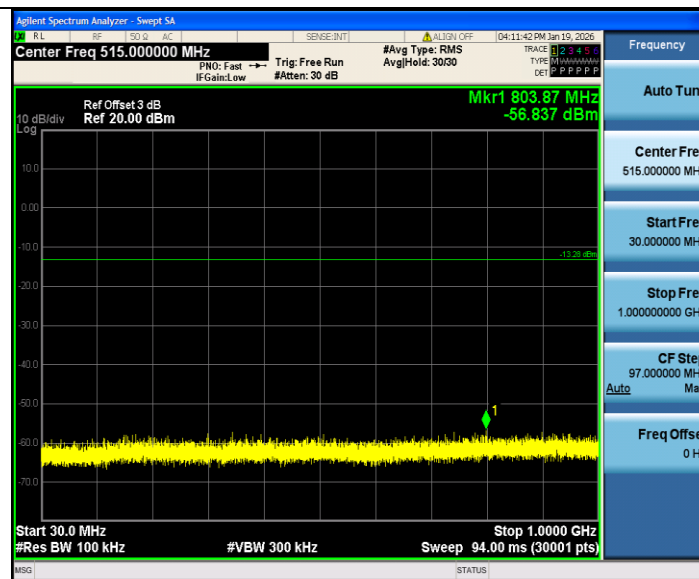
BLE_125K_Ant1_2402_30~1000



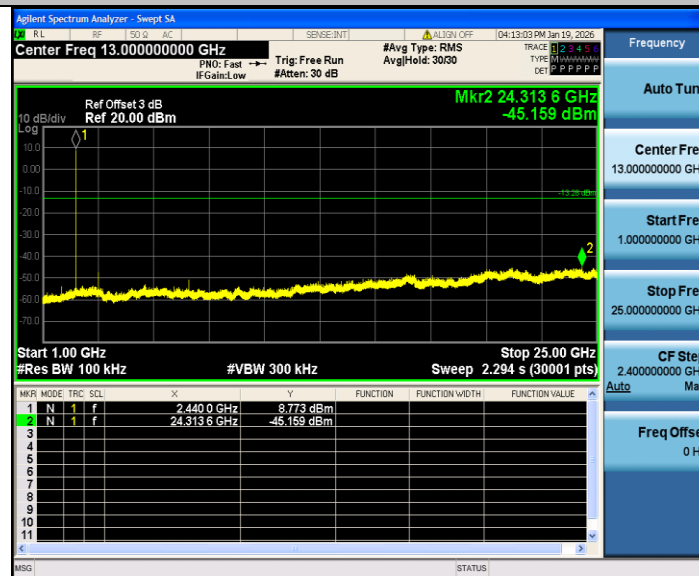
BLE_125K_Ant1_2402_1000~25000



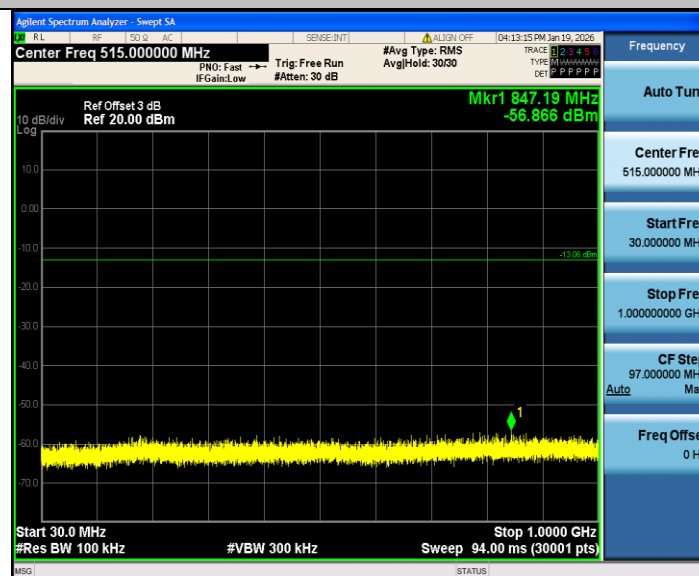
BLE_125K_Ant1_2440_30~1000



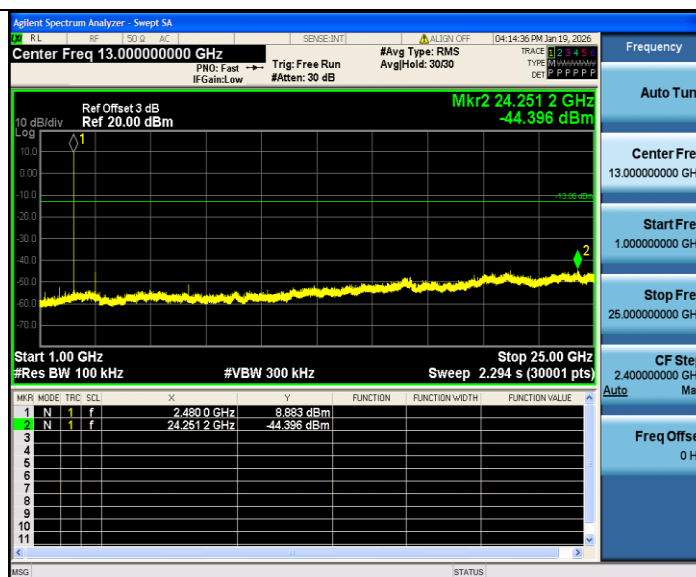
BLE_125K_Ant1_2440_1000~25000



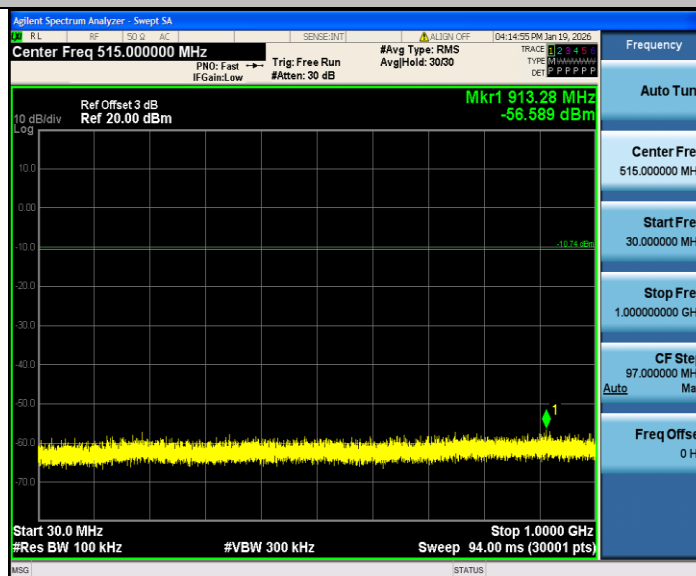
BLE_125K_Ant1_2480_30~1000



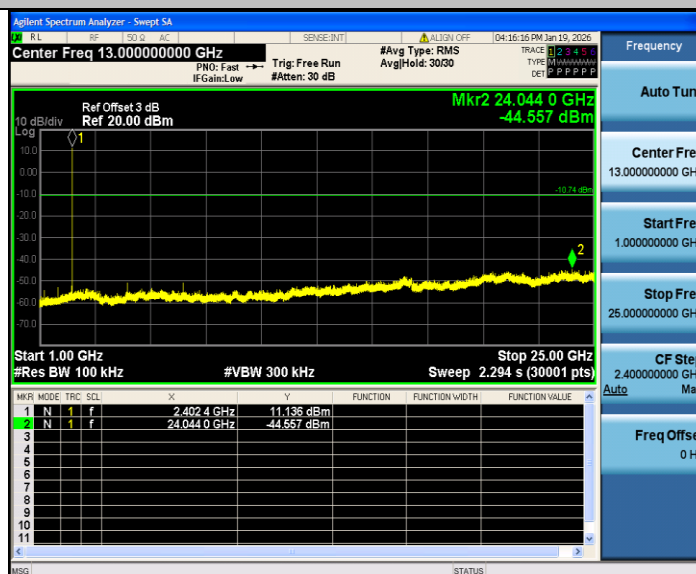
BLE_125K_Ant1_2480_1000~25000



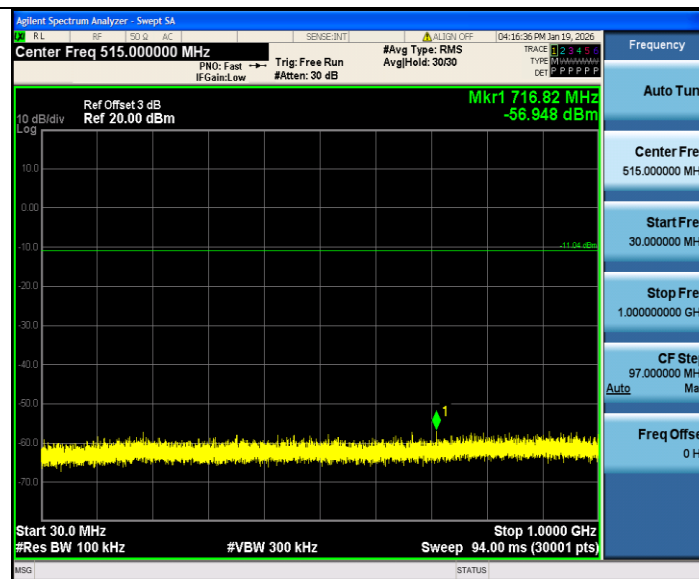
BLE_500K_Ant1_2402_30~1000



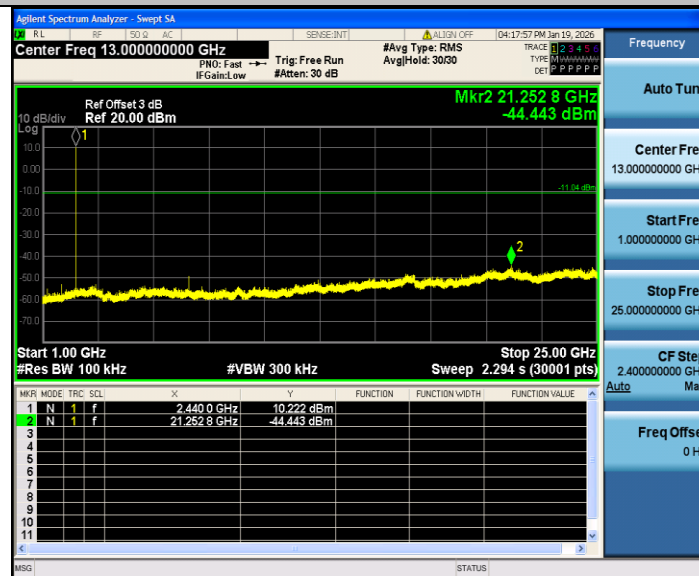
BLE_500K_Ant1_2402_1000~25000



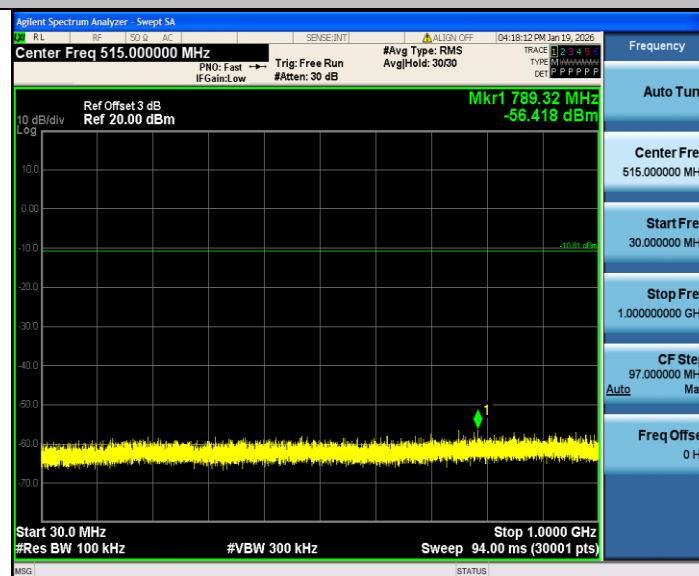
BLE_500K_Ant1_2440_30~1000



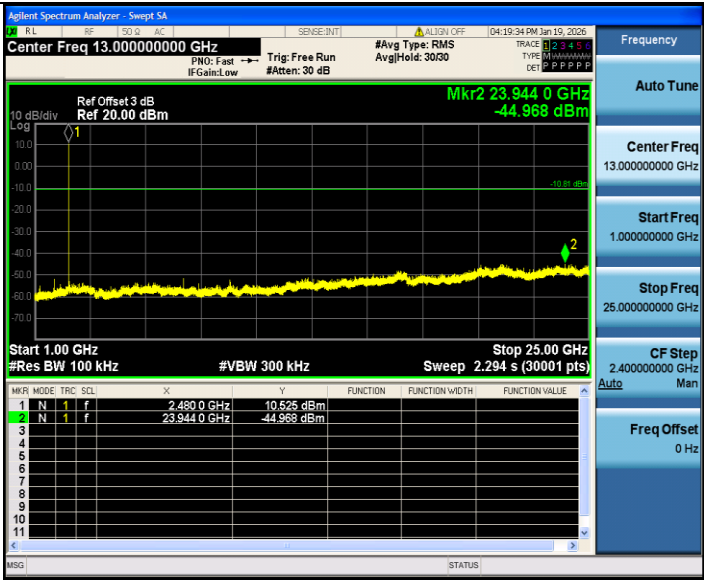
BLE_500K_Ant1_2440_1000~25000



BLE_500K_Ant1_2480_30~1000



BLE_500K_Ant1_2480_1000~25000

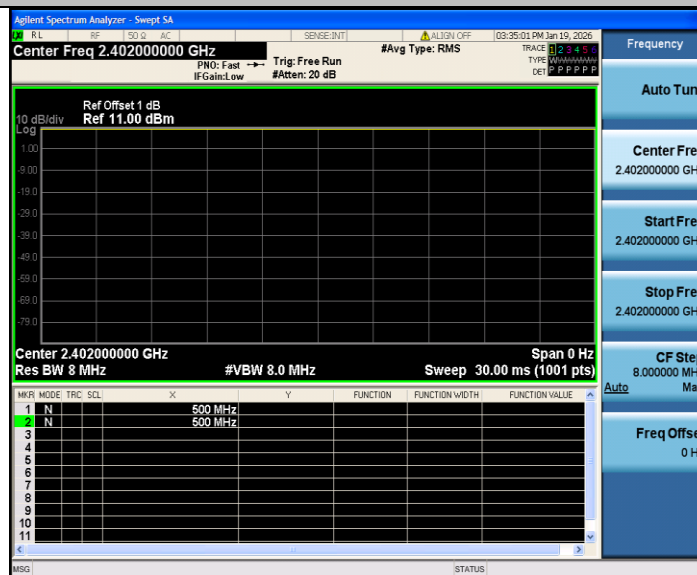


Note: Offset = Cable loss.

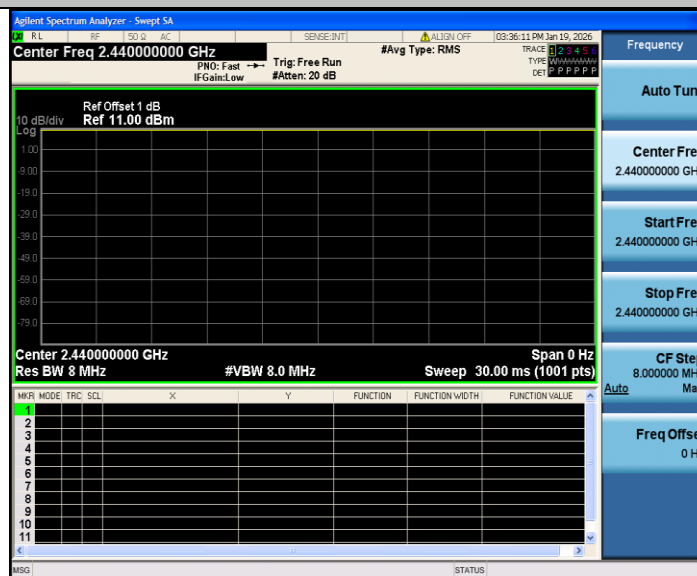
Appendix G: Duty Cycle

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	30.00	30.00	100.00	0.00
		2440	30.00	30.00	100.00	0.00
		2480	30.00	30.00	100.00	0.00
BLE_2M	Ant1	2402	30.00	30.00	100.00	0.00
		2440	30.00	30.00	100.00	0.00
		2480	30.00	30.00	100.00	0.00
BLE_125K	Ant1	2402	30.00	30.00	100.00	0.00
		2440	30.00	30.00	100.00	0.00
		2480	30.00	30.00	100.00	0.00
BLE_500K	Ant1	2402	30.00	30.00	100.00	0.00
		2440	30.00	30.00	100.00	0.00
		2480	30.00	30.00	100.00	0.00

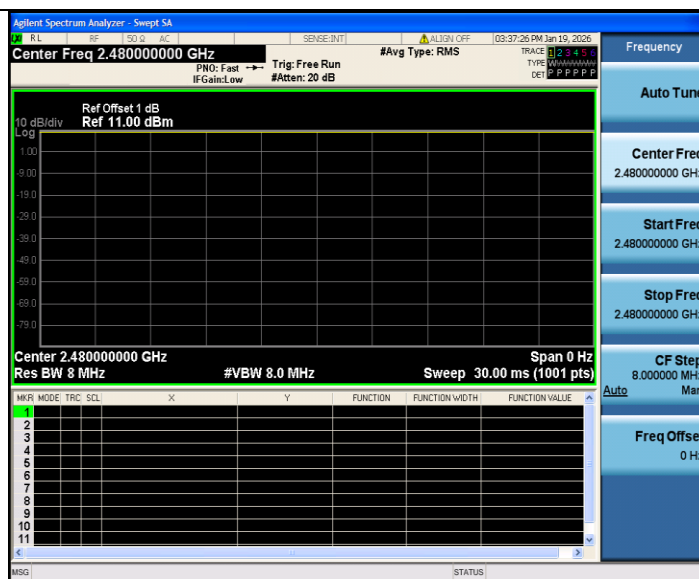
BLE_1M_Ant1_2402



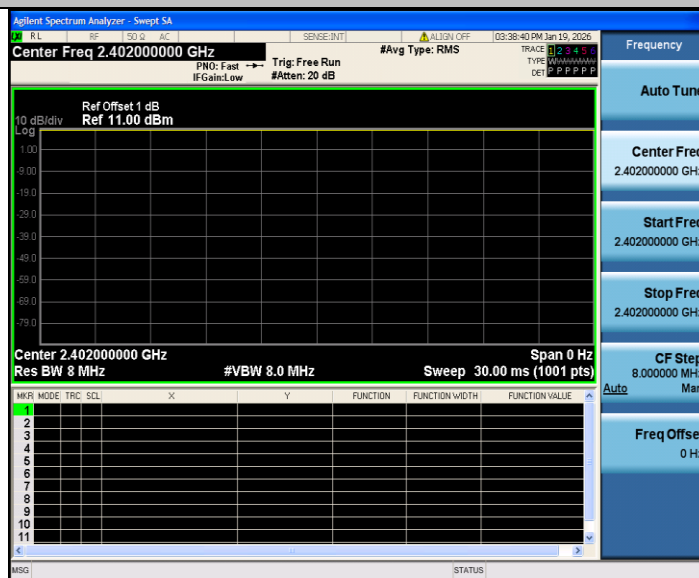
BLE_1M_Ant1_2440



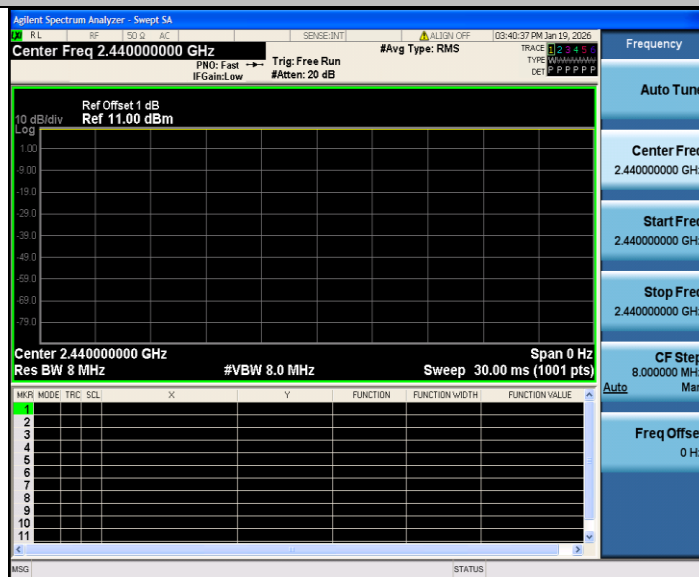
BLE_1M_Ant1_2480



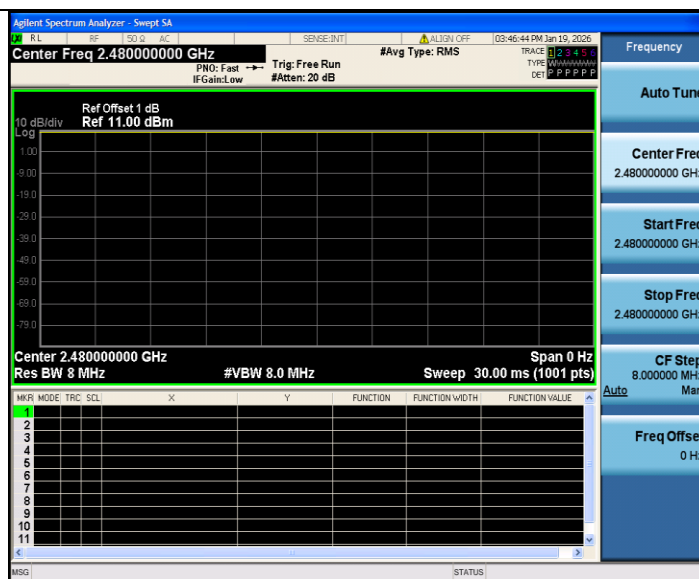
BLE_2M_Ant1_2402



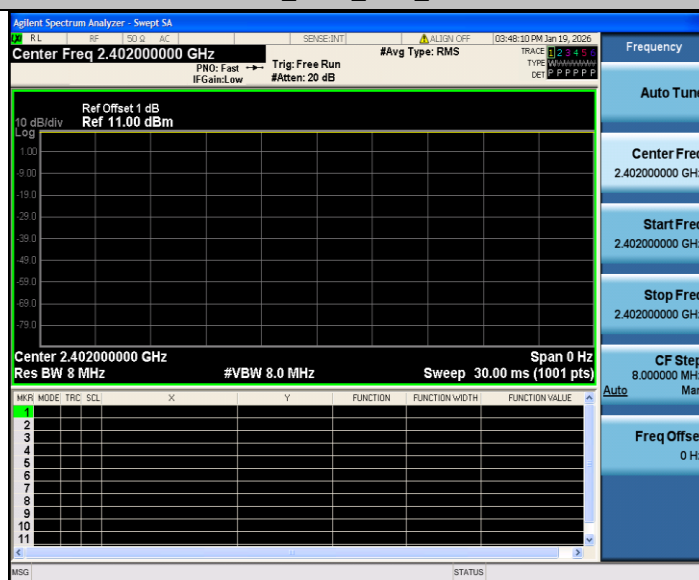
BLE_2M_Ant1_2440



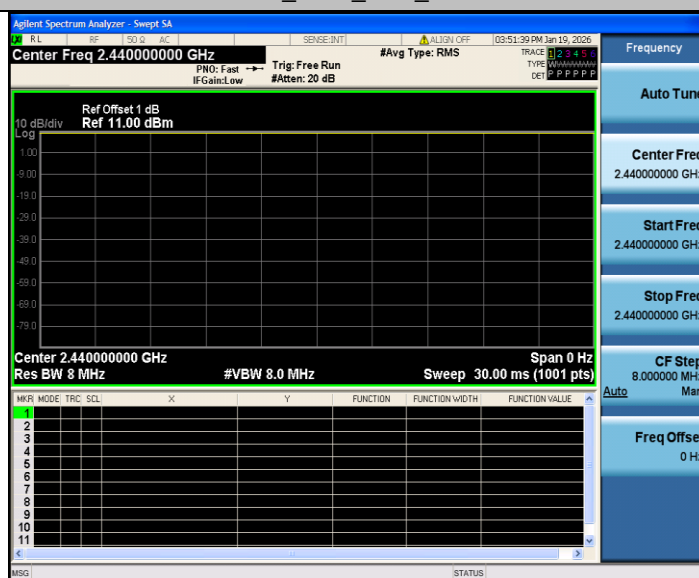
BLE_2M_Ant1_2480



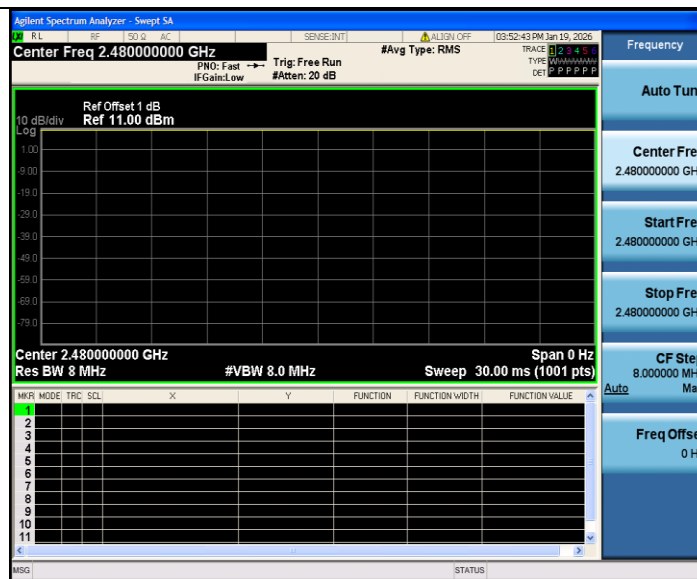
BLE_125K_Ant1_2402



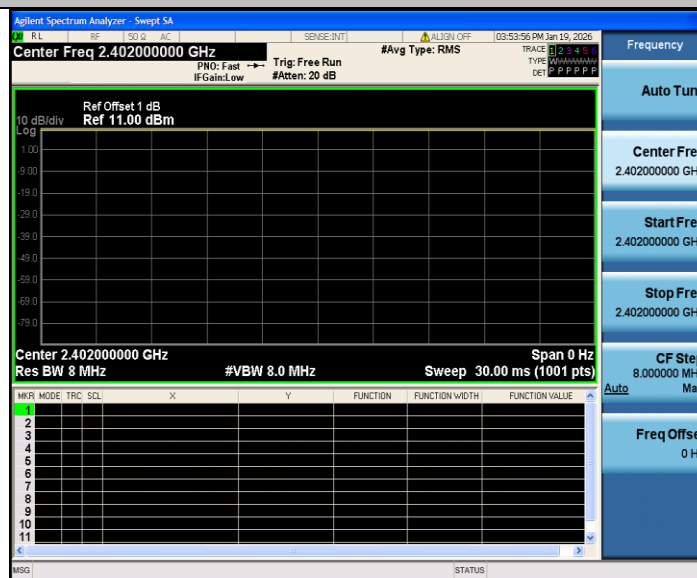
BLE_125K_Ant1_2440



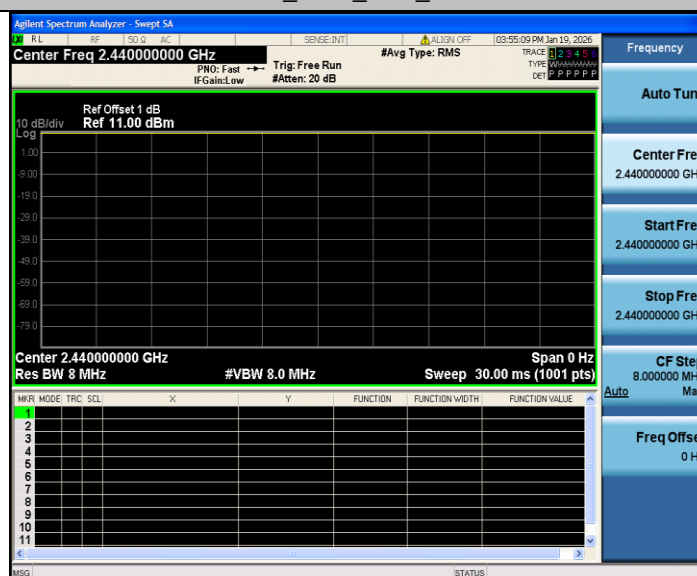
BLE_125K_Ant1_2480



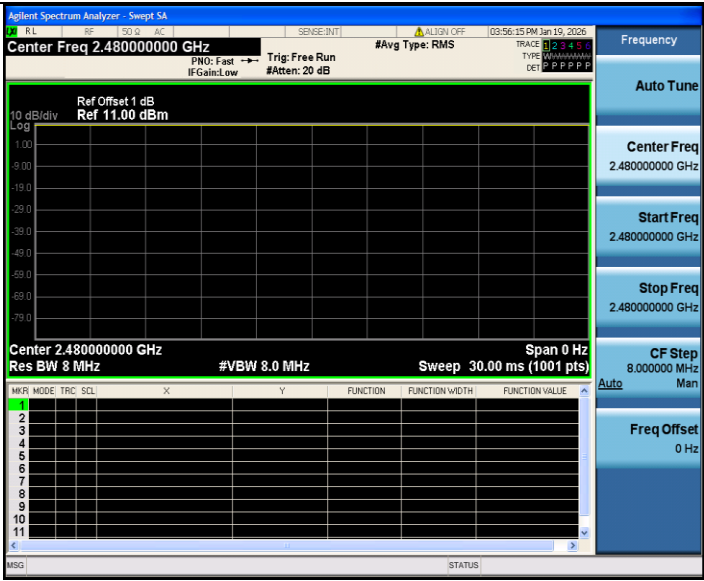
BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



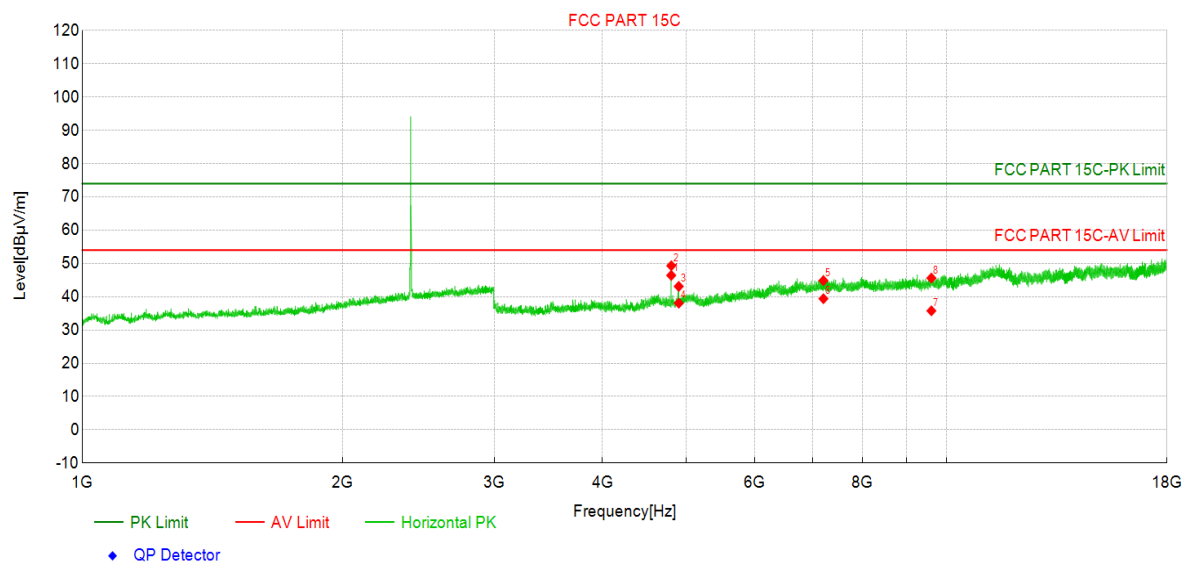
BLE_500K_Ant1_2480



Appendix H: Emissions in Restricted Bands

Transmit at 2402MHz by LE_1Mbps

Test Graph

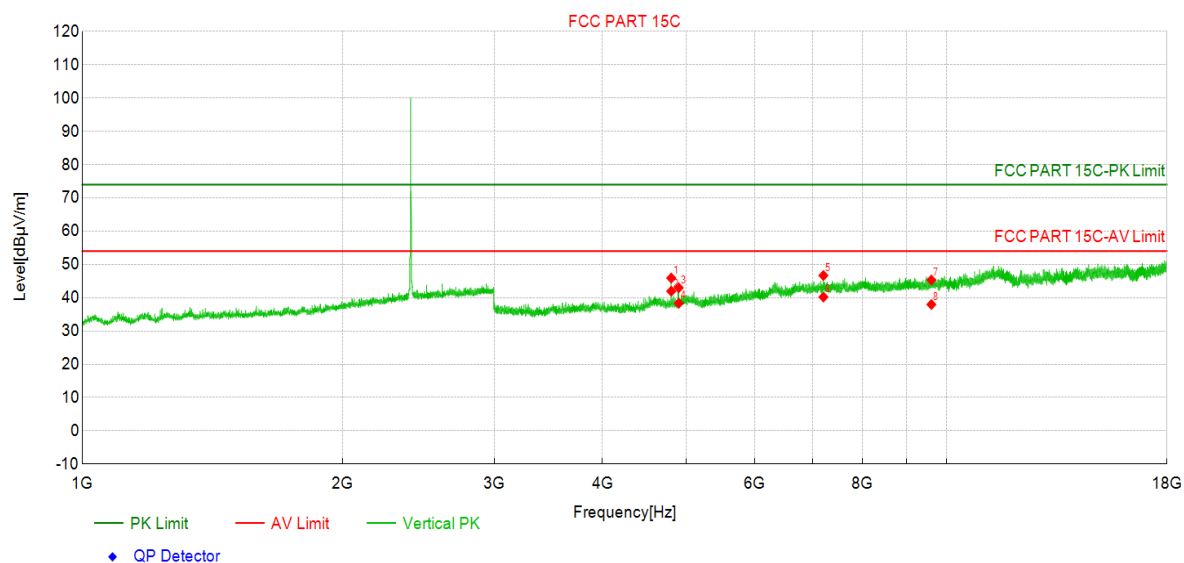


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	55.4	46.42	-8.960	54.00	7.58	AV	Horizo	PASS
2	4804.50	58.3	49.31	-8.960	74.00	24.69	PK	Horizo	PASS
3	4900.50	51.6	43.10	-8.470	74.00	30.90	PK	Horizo	PASS
4	4901.25	46.5	38.06	-8.470	54.00	15.94	AV	Horizo	PASS
5	7206.00	47.0	44.84	-2.130	74.00	29.16	PK	Horizo	PASS
6	7206.00	41.5	39.41	-2.130	54.00	14.59	AV	Horizo	PASS
7	9608.00	35.0	35.76	0.760	54.00	18.24	AV	Horizo	PASS
8	9608.00	44.8	45.60	0.760	74.00	28.40	PK	Horizo	PASS

Transmit at 2402MHz by LE_1Mbps

Test Graph

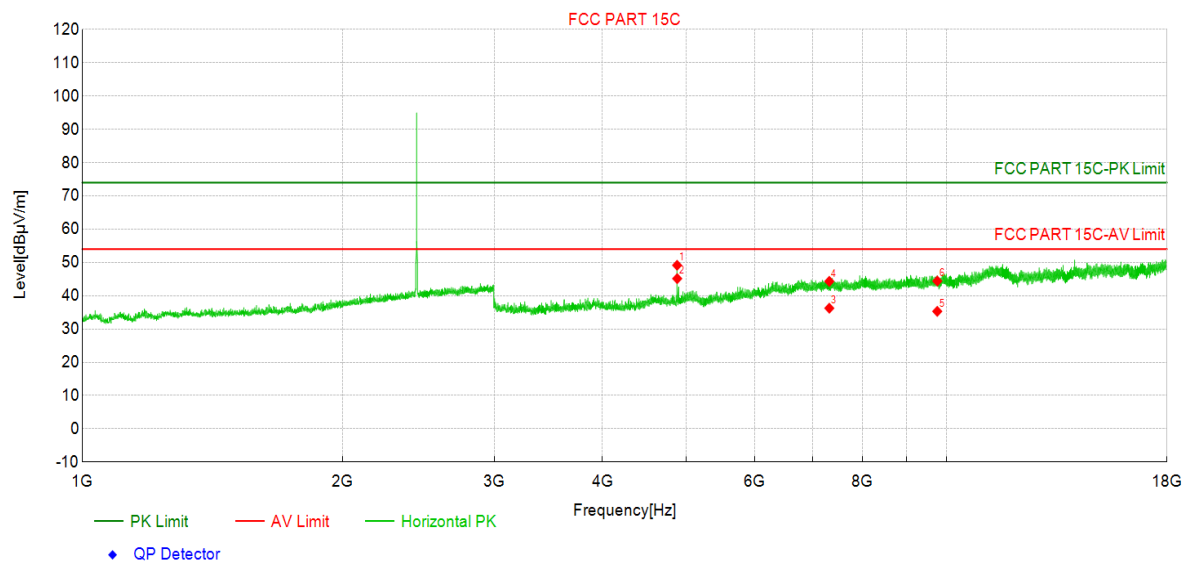


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	54.9	45.92	-8.960	74.00	28.08	PK	Vertic	PASS
2	4804.00	50.9	41.96	-8.960	54.00	12.04	AV	Vertic	PASS
3	4900.50	51.5	42.99	-8.470	74.00	31.01	PK	Vertic	PASS
4	4901.25	46.8	38.33	-8.470	54.00	15.67	AV	Vertic	PASS
5	7206.00	48.8	46.67	-2.130	74.00	27.33	PK	Vertic	PASS
6	7206.00	42.3	40.21	-2.130	54.00	13.79	AV	Vertic	PASS
7	9608.00	44.6	45.33	0.760	74.00	28.67	PK	Vertic	PASS
8	9608.00	37.2	37.97	0.760	54.00	16.03	AV	Vertic	PASS

Transmit at 2440MHz by LE_1Mbps

Test Graph

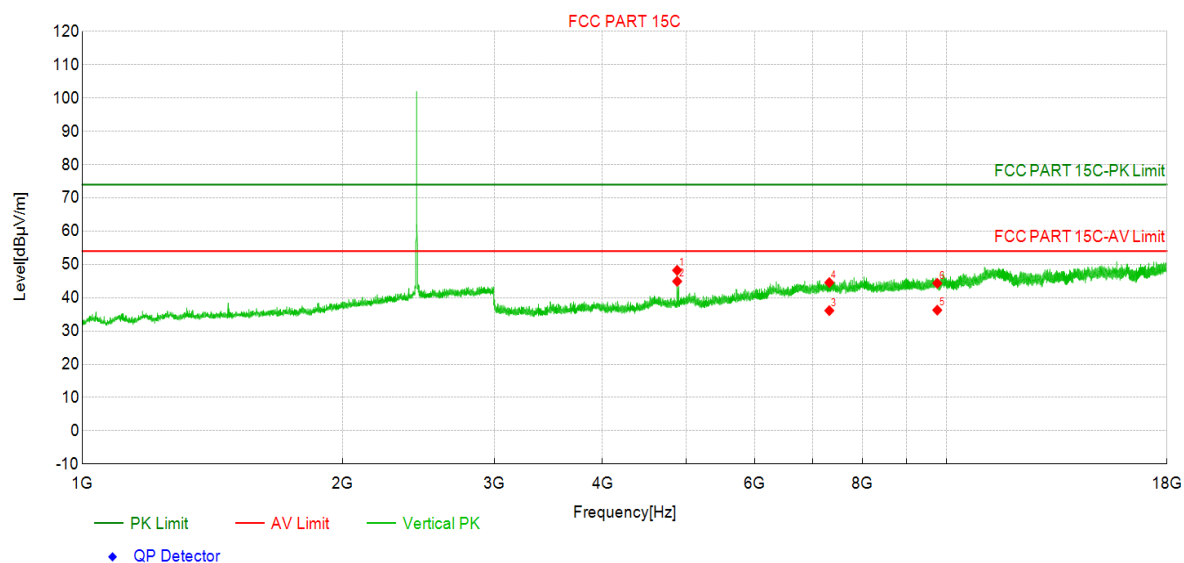


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4879.50	57.8	49.15	-8.600	74.00	24.85	PK	Horizo	PASS
2	4881.00	53.7	45.15	-8.580	54.00	8.85	AV	Horizo	PASS
3	7320.00	38.1	36.25	-1.890	54.00	17.75	AV	Horizo	PASS
4	7320.00	46.2	44.32	-1.890	74.00	29.68	PK	Horizo	PASS
5	9760.00	34.5	35.30	0.830	54.00	18.70	AV	Horizo	PASS
6	9760.00	43.6	44.42	0.830	74.00	29.58	PK	Horizo	PASS

Transmit at 2440MHz by LE_1Mbps

Test Graph

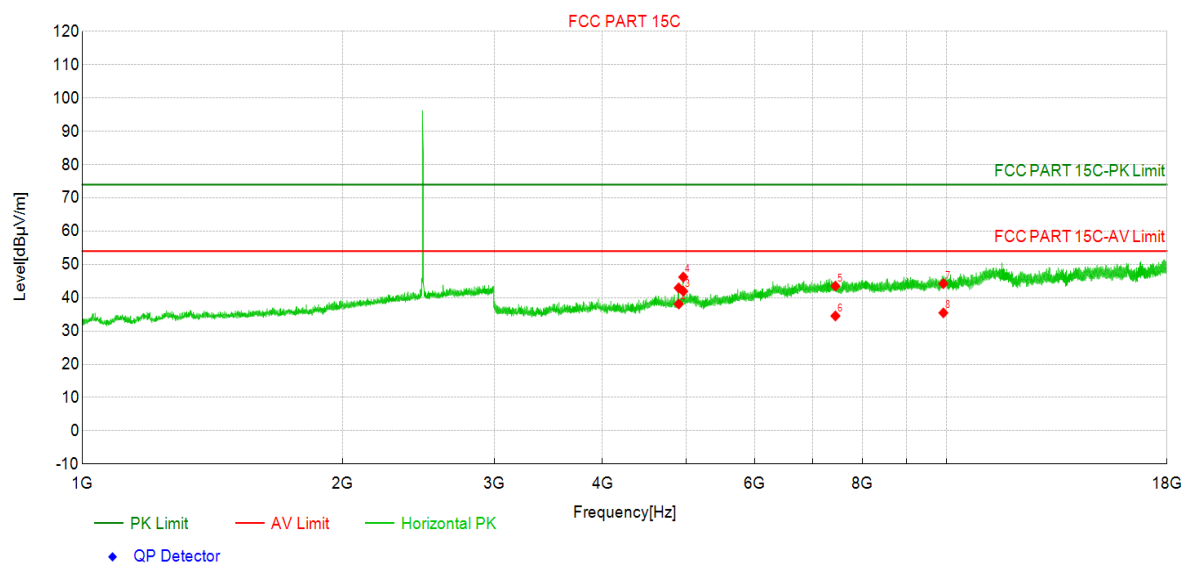


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4880.25	56.8	48.23	-8.590	74.00	25.77	PK	Vertic	PASS
2	4881.00	53.5	44.92	-8.580	54.00	9.08	AV	Vertic	PASS
3	7320.00	38.0	36.12	-1.890	54.00	17.88	AV	Vertic	PASS
4	7320.00	46.5	44.56	-1.890	74.00	29.44	PK	Vertic	PASS
5	9760.00	35.4	36.26	0.830	54.00	17.74	AV	Vertic	PASS
6	9760.00	43.5	44.34	0.830	74.00	29.66	PK	Vertic	PASS

Transmit at 2480MHz by LE_1Mbps

Test Graph

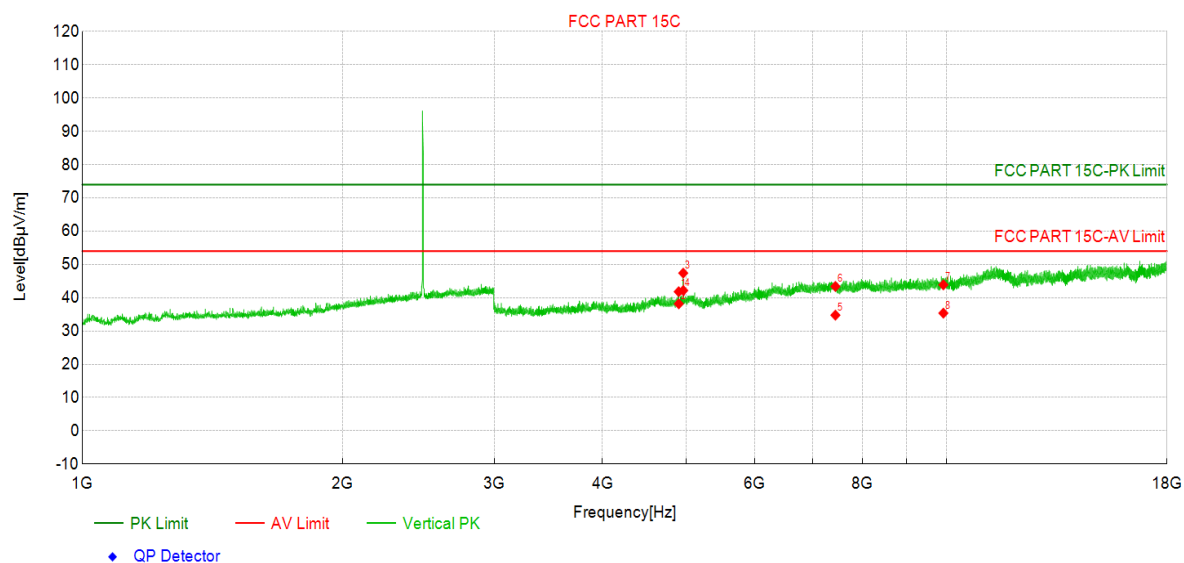


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4900.50	51.4	42.95	-8.470	74.00	31.05	PK	Horizo	PASS
2	4901.25	46.6	38.10	-8.470	54.00	15.90	AV	Horizo	PASS
3	4960.50	50.2	41.94	-8.250	54.00	12.06	AV	Horizo	PASS
4	4960.50	54.5	46.22	-8.250	74.00	27.78	PK	Horizo	PASS
5	7440.00	45.2	43.48	-1.690	74.00	30.52	PK	Horizo	PASS
6	7440.00	36.2	34.53	-1.690	54.00	19.47	AV	Horizo	PASS
7	9920.00	42.5	44.22	1.690	74.00	29.78	PK	Horizo	PASS
8	9920.00	33.8	35.45	1.690	54.00	18.55	AV	Horizo	PASS

Transmit at 2480MHz by LE_1Mbps

Test Graph

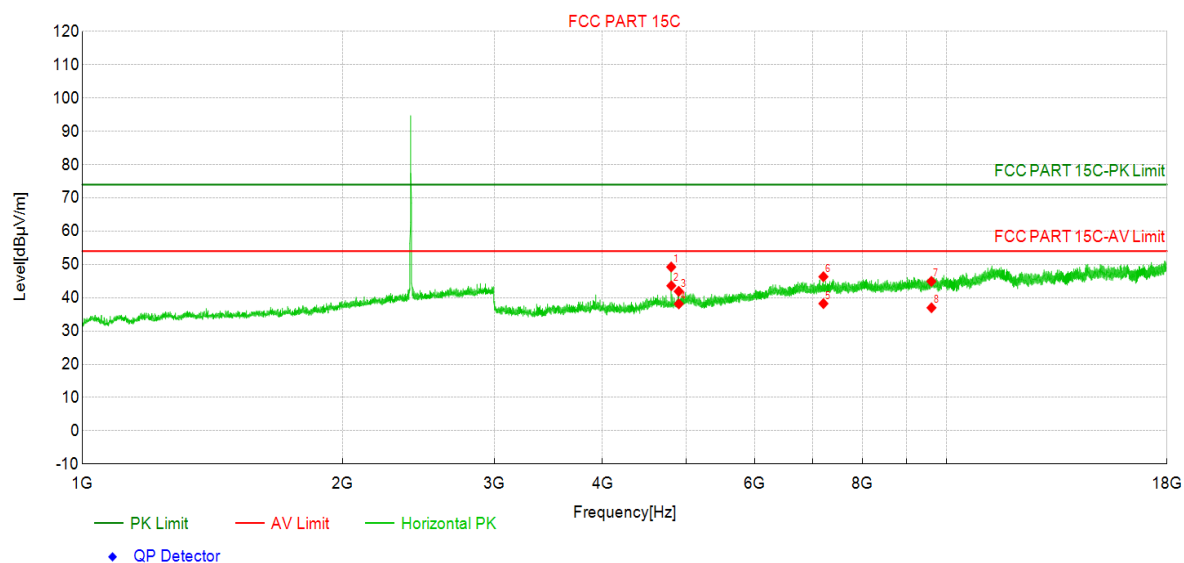


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4900.50	50.3	41.80	-8.470	74.00	32.20	PK	Vertic	PASS
2	4901.25	46.6	38.16	-8.470	54.00	15.84	AV	Vertic	PASS
3	4959.75	55.7	47.41	-8.250	74.00	26.59	PK	Vertic	PASS
4	4960.50	50.4	42.18	-8.250	54.00	11.82	AV	Vertic	PASS
5	7440.00	36.5	34.76	-1.690	54.00	19.24	AV	Vertic	PASS
6	7440.00	45.1	43.39	-1.690	74.00	30.61	PK	Vertic	PASS
7	9920.00	42.2	43.88	1.690	74.00	30.12	PK	Vertic	PASS
8	9920.00	33.7	35.37	1.690	54.00	18.63	AV	Vertic	PASS

Transmit at 2402MHz by LE_2Mbps

Test Graph

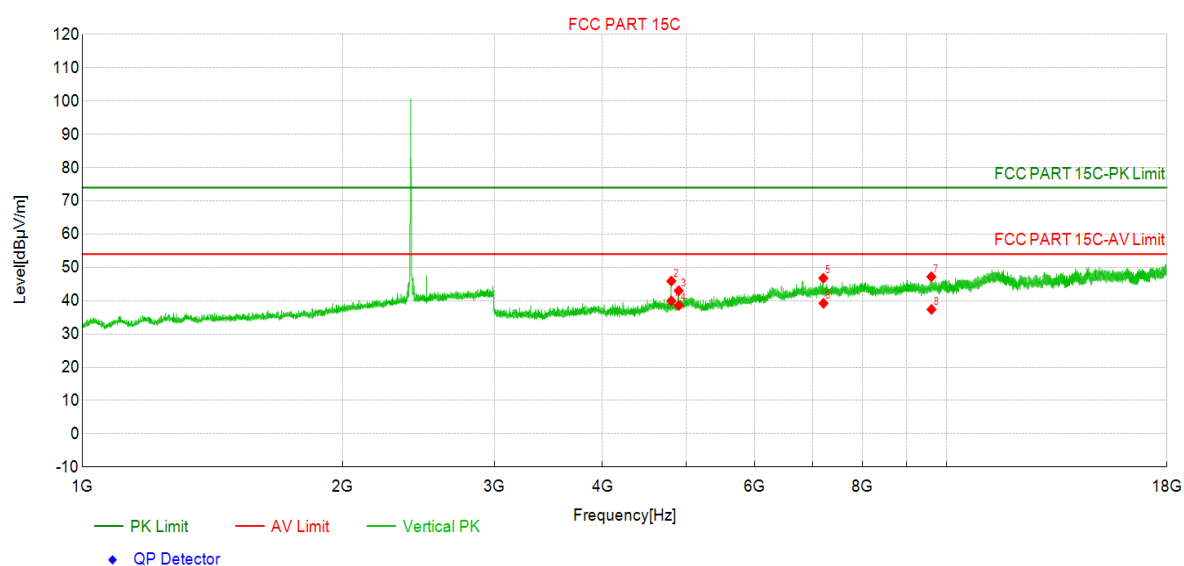


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4803.00	58.2	49.24	-8.970	74.00	24.76	PK	Horizo	PASS
2	4805.25	52.6	43.60	-8.960	54.00	10.40	AV	Horizo	PASS
3	4900.50	50.4	41.91	-8.470	74.00	32.09	PK	Horizo	PASS
4	4901.25	46.6	38.13	-8.470	54.00	15.87	AV	Horizo	PASS
5	7206.00	40.4	38.24	-2.130	54.00	15.76	AV	Horizo	PASS
6	7206.00	48.5	46.32	-2.130	74.00	27.68	PK	Horizo	PASS
7	9608.00	44.2	44.91	0.760	74.00	29.09	PK	Horizo	PASS
8	9610.50	36.2	36.98	0.760	54.00	17.02	AV	Horizo	PASS

Transmit at 2402MHz by LE_2Mbps

Test Graph

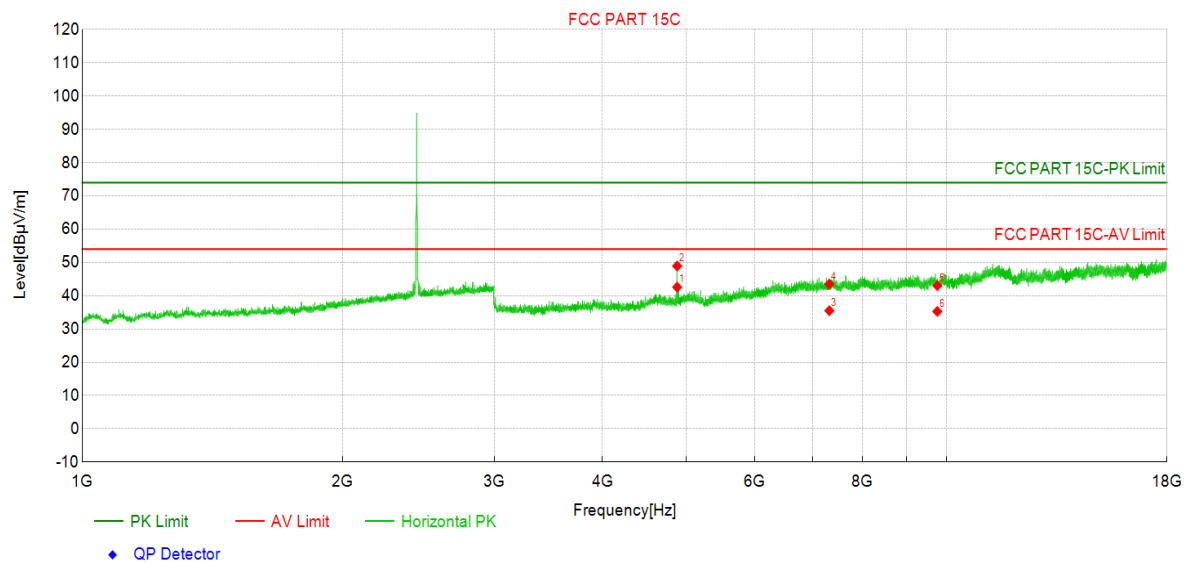


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4805.25	48.9	39.95	-8.960	54.00	14.05	AV	Vertic	PASS
2	4805.25	54.8	45.88	-8.960	74.00	28.12	PK	Vertic	PASS
3	4900.50	51.5	43.00	-8.470	74.00	31.00	PK	Vertic	PASS
4	4901.25	47.1	38.60	-8.470	54.00	15.40	AV	Vertic	PASS
5	7204.50	48.9	46.76	-2.130	74.00	27.24	PK	Vertic	PASS
6	7207.50	41.3	39.22	-2.120	54.00	14.78	AV	Vertic	PASS
7	9606.75	46.4	47.20	0.760	74.00	26.80	PK	Vertic	PASS
8	9610.50	36.6	37.37	0.760	54.00	16.63	AV	Vertic	PASS

Transmit at 2440MHz by LE_2Mbps

Test Graph

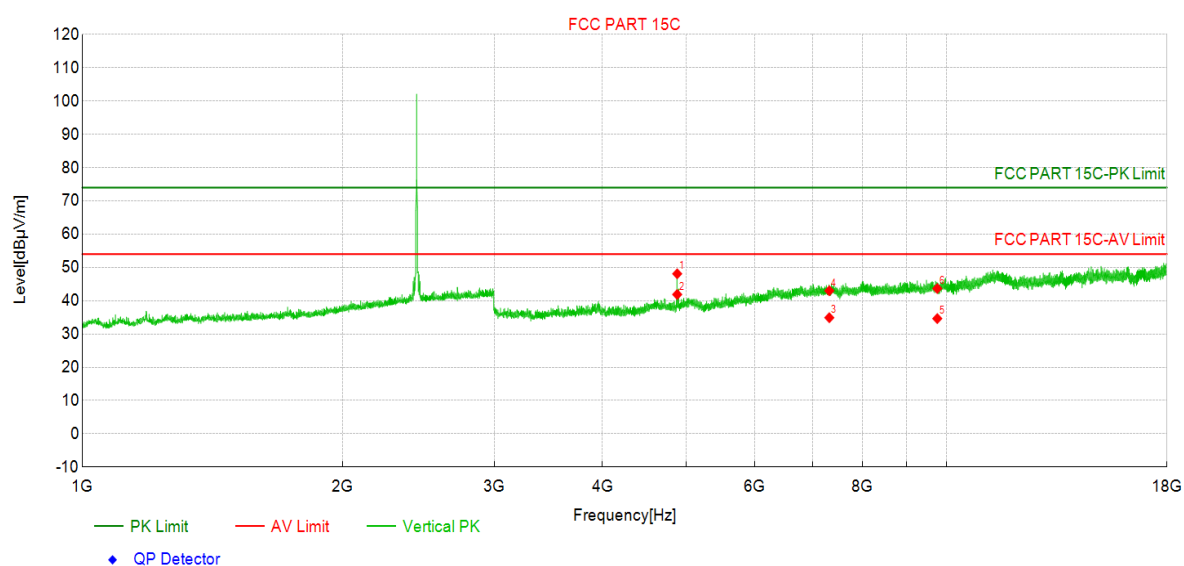


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4880.00	51.2	42.60	-8.590	54.00	11.40	AV	Horizo	PASS
2	4880.25	57.5	48.92	-8.590	74.00	25.08	PK	Horizo	PASS
3	7320.00	37.4	35.50	-1.890	54.00	18.50	AV	Horizo	PASS
4	7320.00	45.4	43.50	-1.890	74.00	30.50	PK	Horizo	PASS
5	9760.00	42.2	43.03	0.830	74.00	30.97	PK	Horizo	PASS
6	9760.00	34.5	35.29	0.830	54.00	18.71	AV	Horizo	PASS

Transmit at 2440MHz by LE_2Mbps

Test Graph

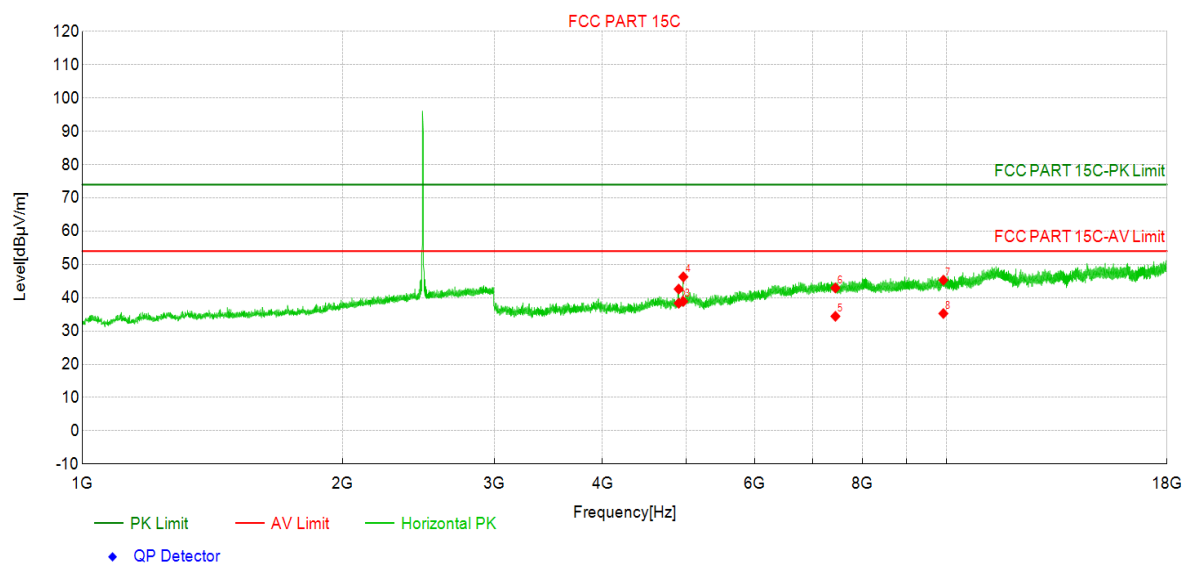


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4881.00	56.7	48.09	-8.580	74.00	25.91	PK	Vertic	PASS
2	4881.00	50.5	41.88	-8.580	54.00	12.12	AV	Vertic	PASS
3	7320.00	36.8	34.90	-1.890	54.00	19.10	AV	Vertic	PASS
4	7320.00	44.9	42.99	-1.890	74.00	31.01	PK	Vertic	PASS
5	9760.00	33.8	34.63	0.830	54.00	19.37	AV	Vertic	PASS
6	9760.00	42.8	43.67	0.830	74.00	30.33	PK	Vertic	PASS

Transmit at 2480MHz by LE_2Mbps

Test Graph

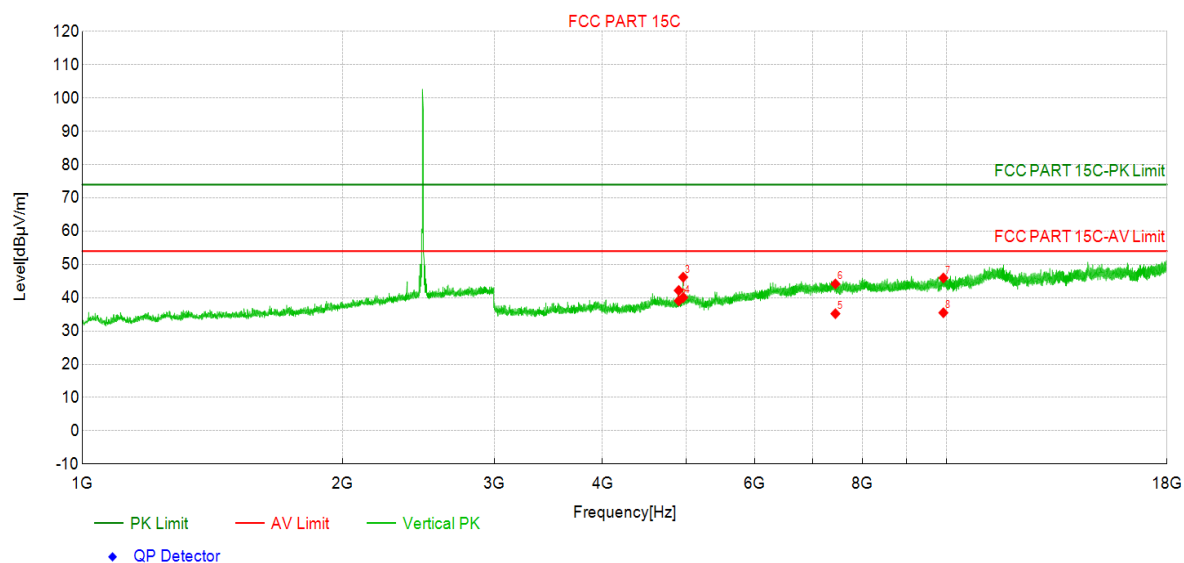


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4900.50	51.1	42.59	-8.470	74.00	31.41	PK	Horizo	PASS
2	4901.25	46.8	38.35	-8.470	54.00	15.65	AV	Horizo	PASS
3	4960.50	47.1	38.88	-8.250	54.00	15.12	AV	Horizo	PASS
4	4961.25	54.5	46.26	-8.250	74.00	27.74	PK	Horizo	PASS
5	7440.00	36.1	34.41	-1.690	54.00	19.59	AV	Horizo	PASS
6	7440.00	44.6	42.94	-1.690	74.00	31.06	PK	Horizo	PASS
7	9920.00	43.6	45.28	1.690	74.00	28.72	PK	Horizo	PASS
8	9920.00	33.6	35.25	1.690	54.00	18.75	AV	Horizo	PASS

Transmit at 2480MHz by LE_2Mbps

Test Graph

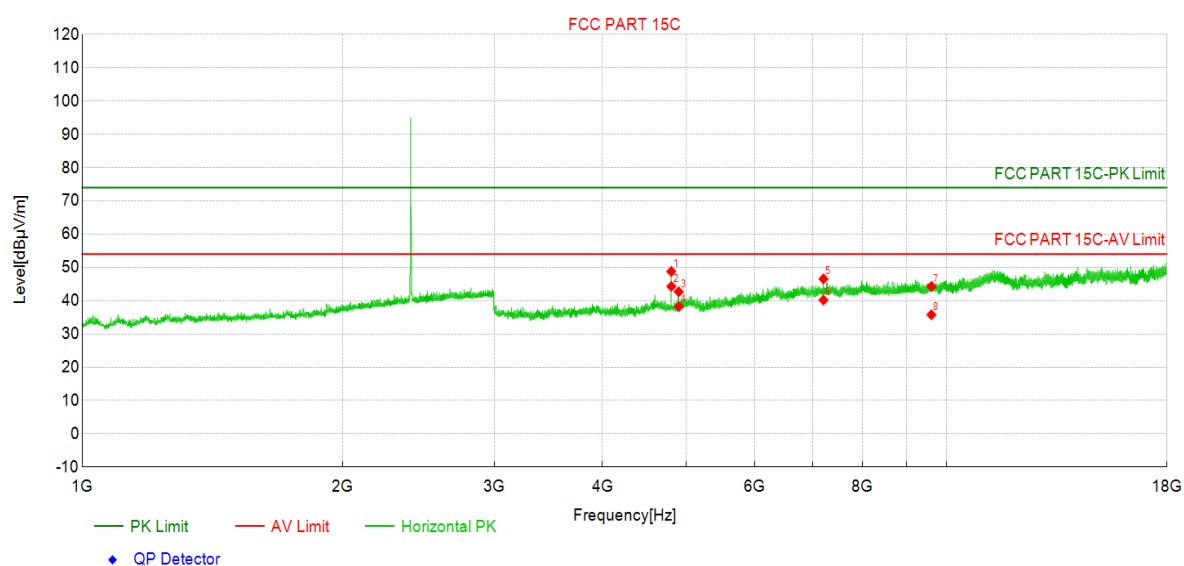


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4900.50	50.7	42.18	-8.470	74.00	31.82	PK	Vertic	PASS
2	4901.25	47.5	39.06	-8.470	54.00	14.94	AV	Vertic	PASS
3	4959.00	54.4	46.17	-8.250	74.00	27.83	PK	Vertic	PASS
4	4960.50	48.3	40.07	-8.250	54.00	13.93	AV	Vertic	PASS
5	7440.00	36.9	35.20	-1.690	54.00	18.80	AV	Vertic	PASS
6	7440.00	45.8	44.14	-1.690	74.00	29.86	PK	Vertic	PASS
7	9920.00	44.2	45.93	1.690	74.00	28.07	PK	Vertic	PASS
8	9920.00	33.8	35.48	1.690	54.00	18.52	AV	Vertic	PASS

Transmit at 2402MHz by Coded S=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	4804.50	57.8	48.80	-8.960	74.00	25.20	PK	Horizo	PASS
2	4805.25	53.3	44.30	-8.960	54.00	9.70	AV	Horizo	PASS
3	4900.50	51.2	42.69	-8.470	74.00	31.31	PK	Horizo	PASS
4	4901.25	46.7	38.21	-8.470	54.00	15.79	AV	Horizo	PASS
5	7206.75	48.7	46.56	-2.130	74.00	27.44	PK	Horizo	PASS
6	7206.75	42.3	40.19	-2.130	54.00	13.81	AV	Horizo	PASS
7	9608.00	43.5	44.27	0.760	74.00	29.73	PK	Horizo	PASS
8	9608.00	35.0	35.78	0.760	54.00	18.22	AV	Horizo	PASS