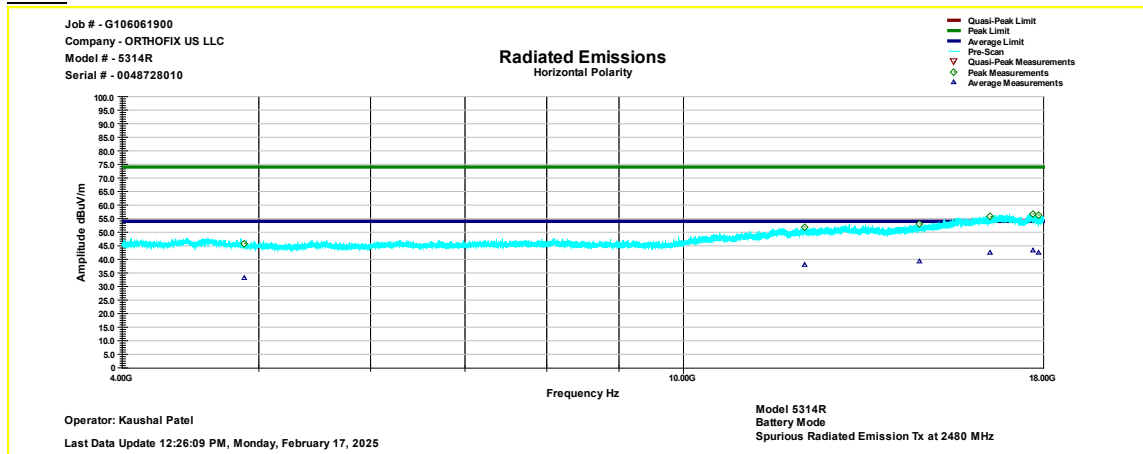


Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

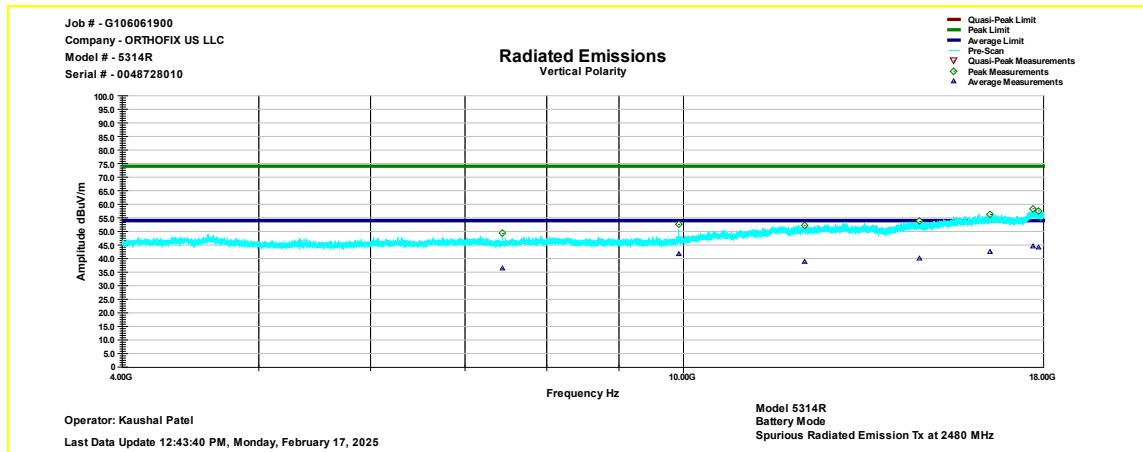
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.55	45.9	74	-28.1	151	98	Horizontal	3.70
12176.95	51.9	74	-22.1	142	91	Horizontal	6.00
14706.95	53	74	-21	198	189	Horizontal	9.00
16508.05	55.7	74	-18.3	331	340	Horizontal	11.90
17693.05	56.7	74	-17.3	330	224	Horizontal	13.00
17847.05	56.3	74	-17.7	315	281	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.55	33.3	54	-20.7	151	98	Horizontal	3.70
12176.95	38.2	54	-15.8	142	91	Horizontal	6.00
14706.95	39.4	54	-14.6	198	189	Horizontal	9.00
16508.05	42.3	54	-11.7	331	340	Horizontal	11.90
17693.05	43.1	54	-10.8	330	224	Horizontal	13.00
17847.05	42.3	54	-11.6	315	281	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
7440.45	49.2	74	-24.8	109	250	Vertical	-2.35
9919.15	52.5	74	-21.5	373	144	Vertical	-0.03
12177.05	52.2	74	-21.8	356	97	Vertical	3.33
14707.05	53.7	74	-20.3	356	178	Vertical	5.93
16507.95	56.2	74	-17.8	383	105	Vertical	8.06
17692.95	58.4	74	-15.6	367	144	Vertical	10.15
17846.95	57.5	74	-16.5	383	353	Vertical	10.66

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
7440.45	36.3	54	-17.7	109	250	Vertical	-2.35
9919.15	41.6	54	-12.4	373	144	Vertical	-0.03
12177.05	38.6	54	-15.3	356	97	Vertical	3.33
14707.05	40	54	-14	356	178	Vertical	5.93
16507.95	42.4	54	-11.6	383	105	Vertical	8.06
17692.95	44.4	54	-9.5	367	144	Vertical	10.15
17846.95	43.9	54	-10	383	353	Vertical	10.66

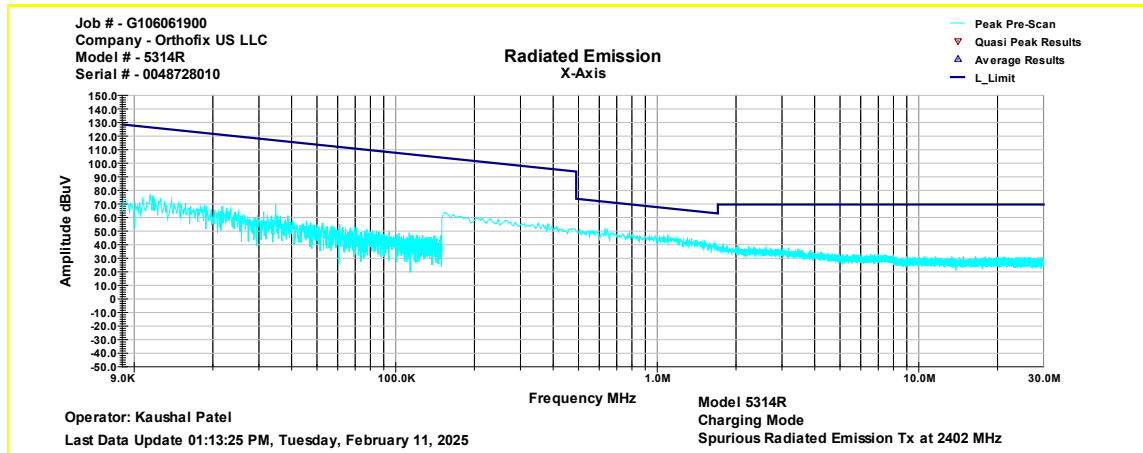
Note: Correction = AF + CF – Preamp

Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

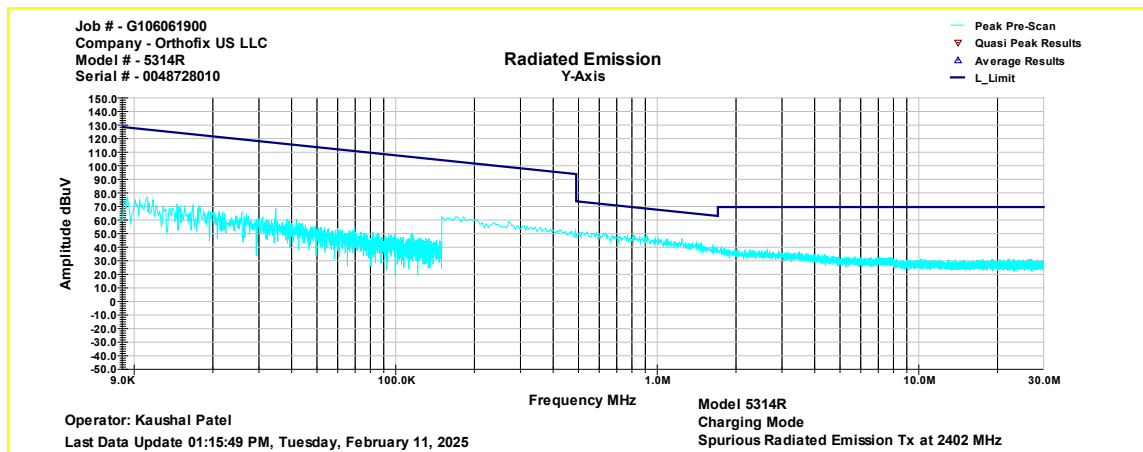
Charging Mode

Test Results: Part 15.209 Radiated Spurious Emissions Low Channel, Tx at 2402MHz

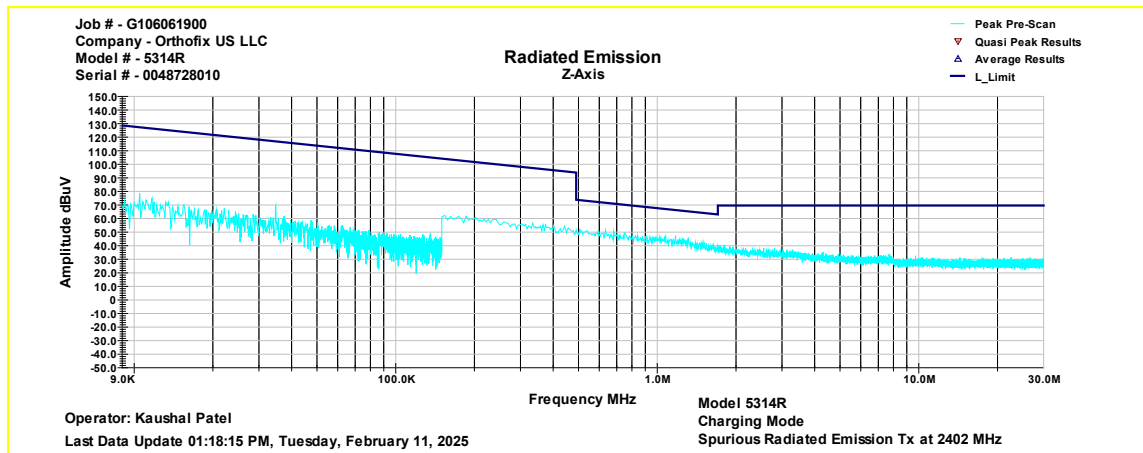
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



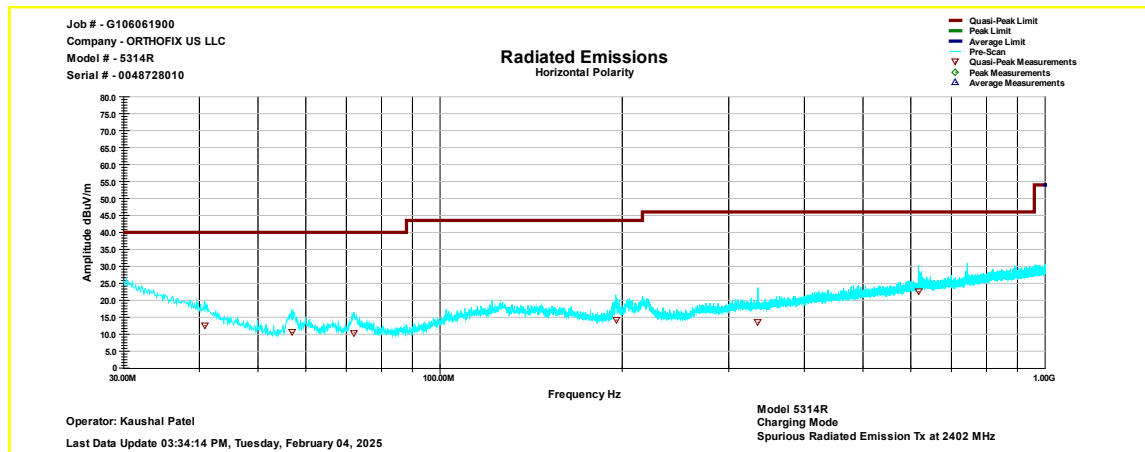
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



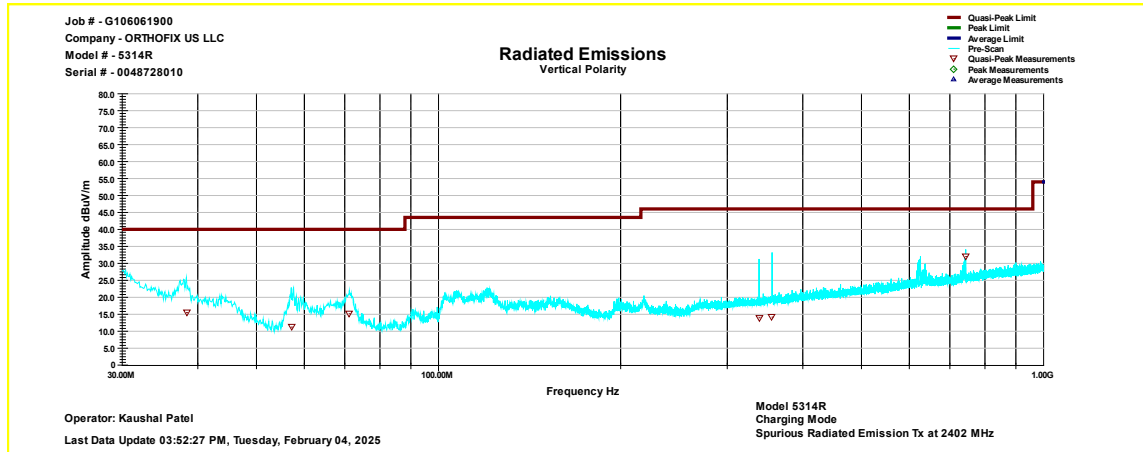
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
40.85	12.5	40	-27.5	349	23	Horizontal	-14.7
56.85	10.5	40	-29.5	349	233	Horizontal	-20.8
72.05	10.4	40	-29.6	149	192	Horizontal	-20.2
195.25	14.2	43.5	-29.4	149	23	Horizontal	-15.5
335.21	13.5	46	-32.5	247	229	Horizontal	-12
617.41	22.5	46	-23.5	349	275	Horizontal	-5.2

Note: Correction = AF + CF - Preamp

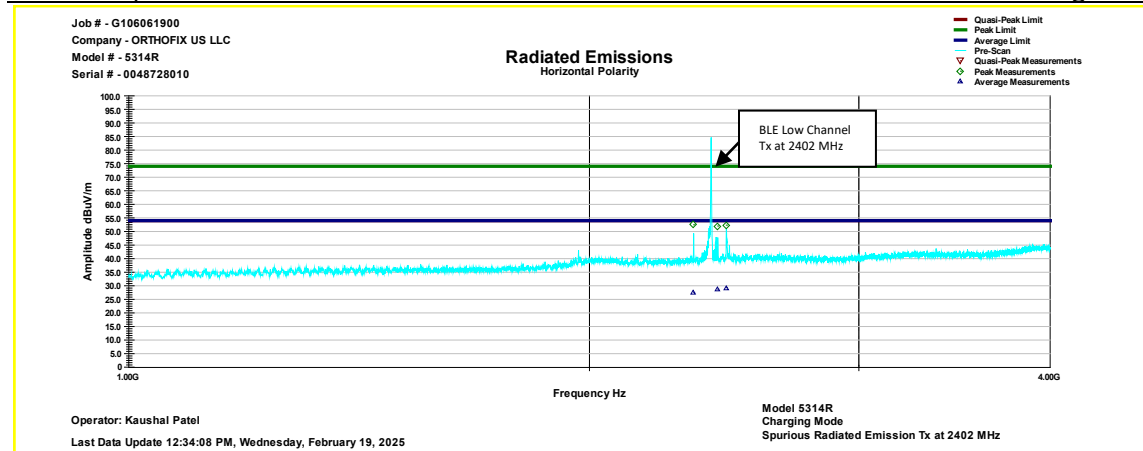
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
38.31	15.5	40	-24.5	149	23	Vertical	-12.9
57.11	11.2	40	-28.8	100	13	Vertical	-20.8
71.15	15.1	40	-24.9	149	318	Vertical	-20.3
338.61	14	46	-32.1	232	19	Vertical	-11.9
355.85	14.1	46	-31.9	339	9	Vertical	-11.3
743.61	32	46	-14	100	223	Vertical	-3.1

Note: Correction = AF + CF - Preamp

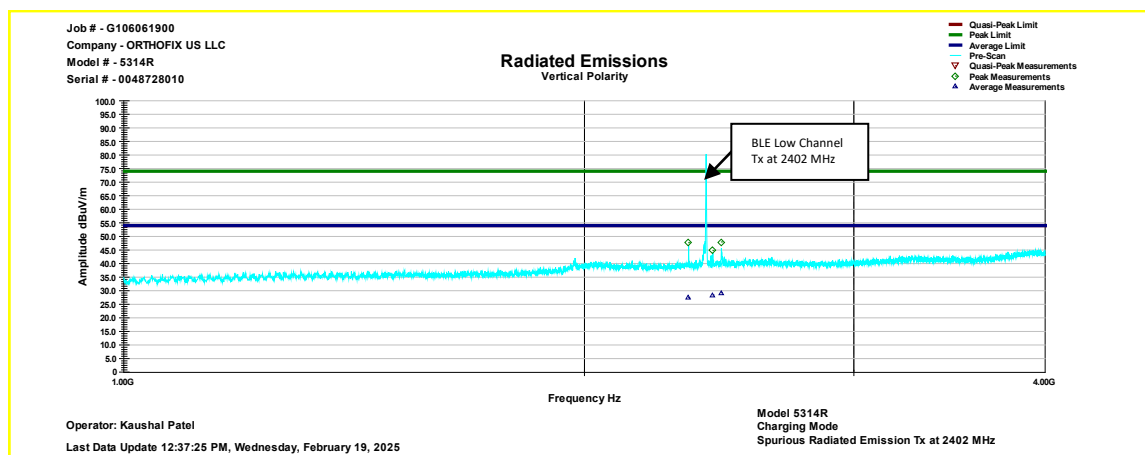
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2339.55	52.4	74	-21.6	250	138	Horizontal	-15.7
2426.05	52	74	-22	131	140	Horizontal	-14.8
2457.45	52.3	74	-21.7	349	232	Horizontal	-14.7

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2339.55	27.6	54	-26.4	250	138	Horizontal	-15.7
2426.05	28.7	54	-25.2	131	140	Horizontal	-14.8
2457.45	29.3	54	-24.7	349	232	Horizontal	-14.7

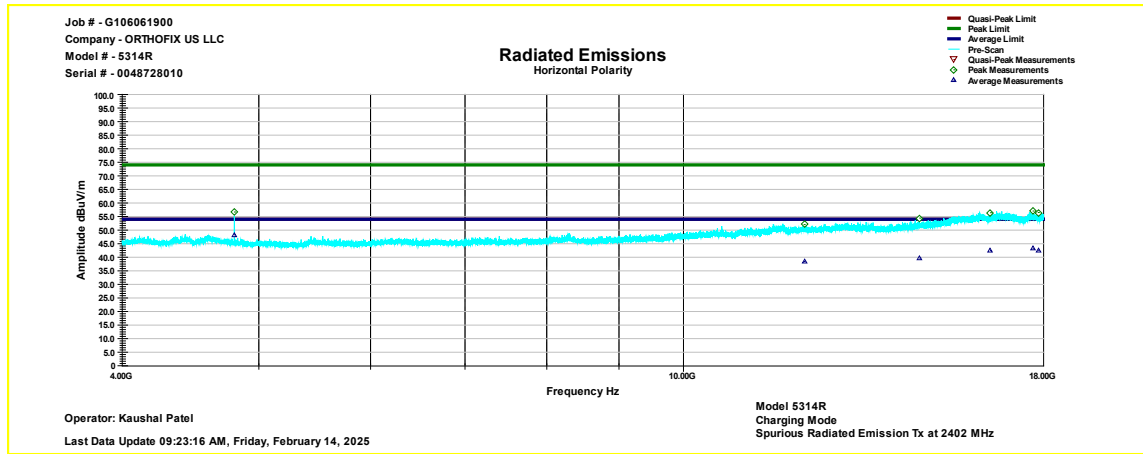
Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2339.55	47.6	74	-26.4	123	80	Vertical	-15.56
2426.45	44.9	74	-29.1	149	83	Vertical	-15.04
2457.95	48	74	-26	115	101	Vertical	-14.80

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2339.55	27.5	54	-26.5	123	80	Vertical	-15.56
2426.45	28.4	54	-25.6	149	83	Vertical	-15.04
2457.95	29.2	54	-24.7	115	101	Vertical	-14.80

Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

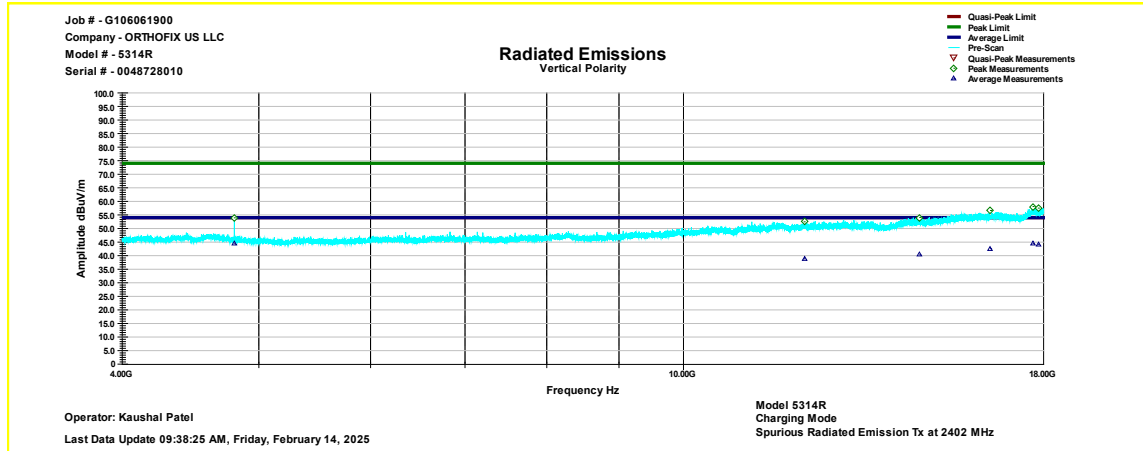
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4804.45	56.6	74	-17.4	164	64	Horizontal	4.40
12176.95	52	74	-22	299	134	Horizontal	6.00
14707.05	54.4	74	-19.6	165	26	Horizontal	9.00
16508.05	56.4	74	-17.6	100	56	Horizontal	11.90
17693.05	57	74	-17	105	48	Horizontal	13.00
17846.95	56.4	74	-17.6	110	335	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4804.45	48.2	54	-5.7	164	64	Horizontal	4.40
12176.95	38.4	54	-15.6	299	134	Horizontal	6.00
14707.05	39.7	54	-14.3	165	26	Horizontal	9.00
16508.05	42.4	54	-11.5	100	56	Horizontal	11.90
17693.05	43.1	54	-10.9	105	48	Horizontal	13.00
17846.95	42.5	54	-11.4	110	335	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.45	53.9	74	-20.1	333	79	Vertical	3.06
12176.95	52.4	74	-21.6	400	255	Vertical	3.33
14706.95	54	74	-20	100	227	Vertical	5.93
16508.05	56.6	74	-17.4	167	179	Vertical	8.06
17693.05	58.1	74	-15.9	142	246	Vertical	10.15
17847.05	57.5	74	-16.5	300	84	Vertical	10.66

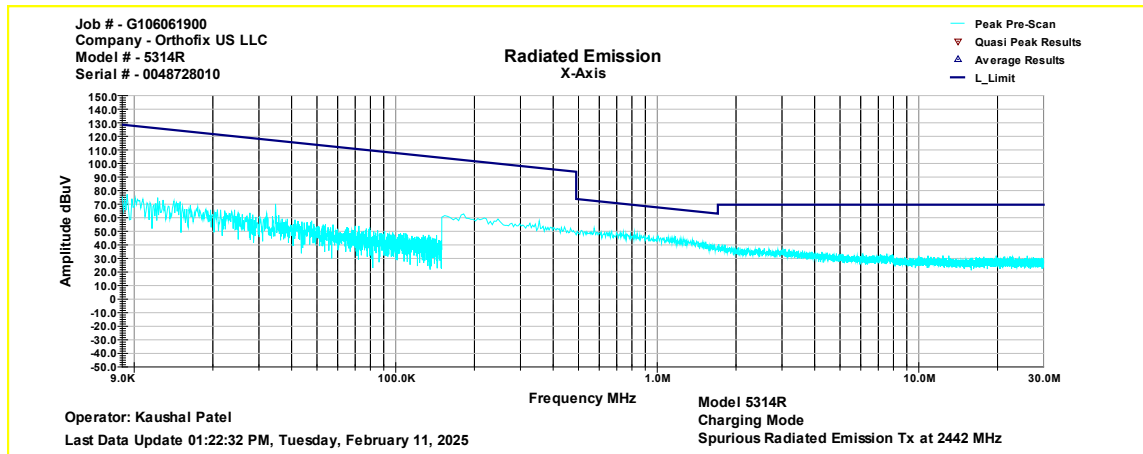
Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.45	44.6	54	-9.4	333	79	Vertical	3.06
12176.95	38.8	54	-15.2	400	255	Vertical	3.33
14706.95	40.3	54	-13.7	100	227	Vertical	5.93
16508.05	42.6	54	-11.4	167	179	Vertical	8.06
17693.05	44.4	54	-9.6	142	246	Vertical	10.15
17847.05	44.1	54	-9.8	300	84	Vertical	10.66

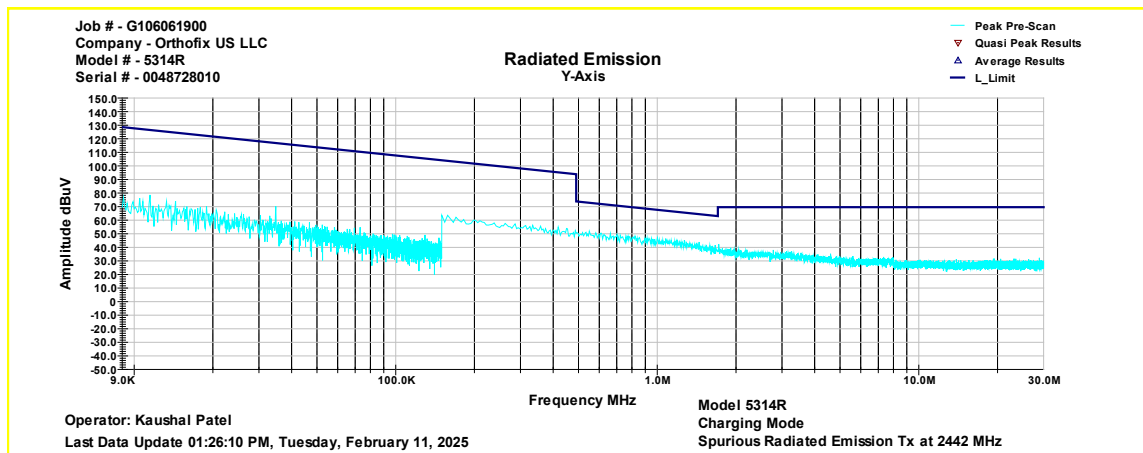
Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

Test Results: Part 15.209 Radiated Spurious Emissions Mid Channel, Tx at 2442MHz

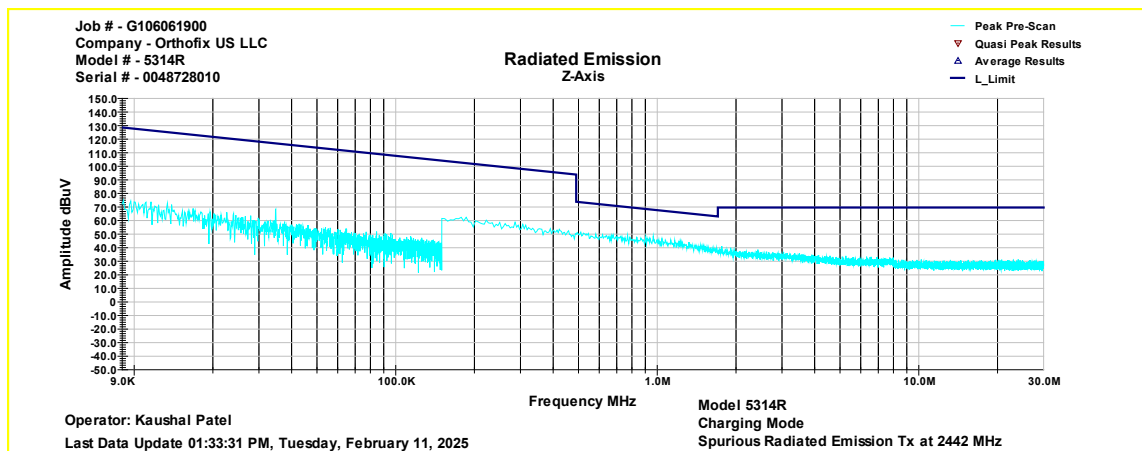
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



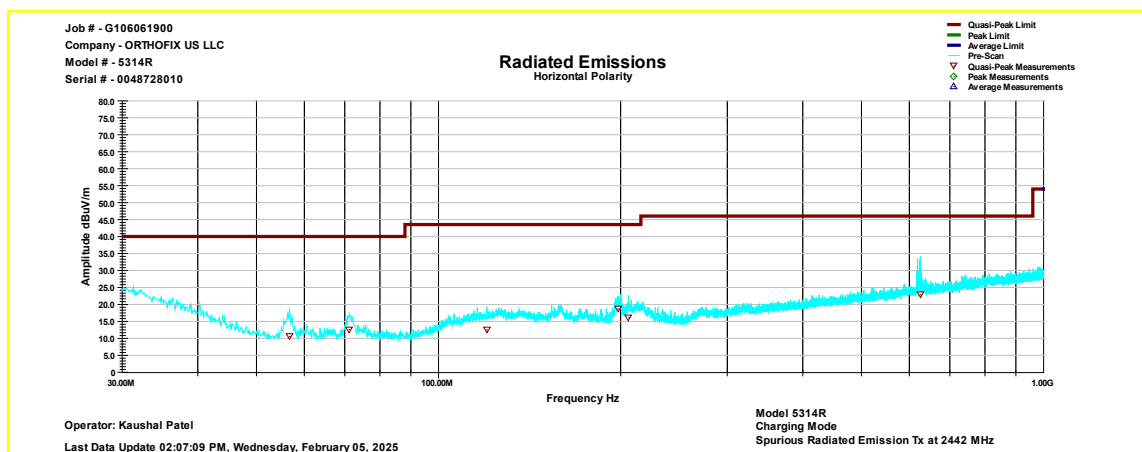
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



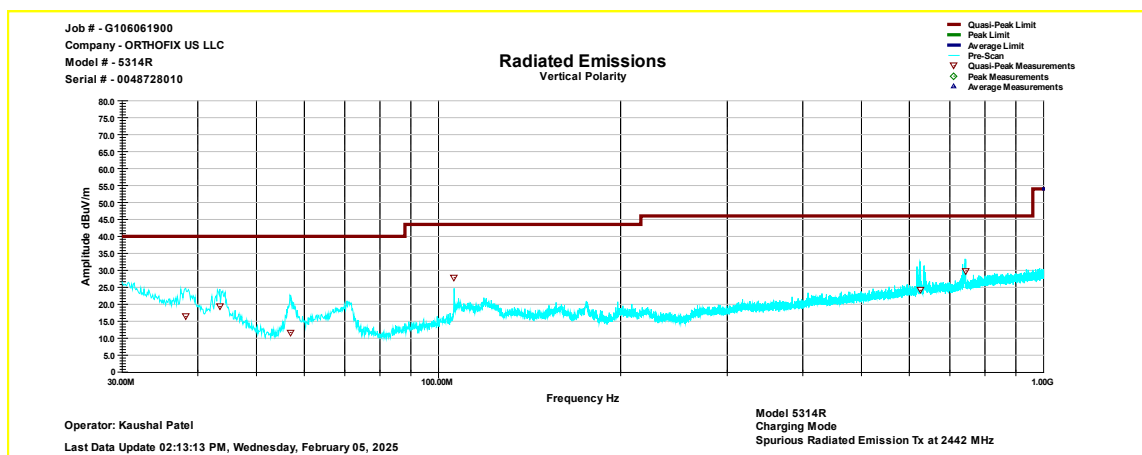
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
56.65	10.5	40	-29.5	339	196	Horizontal	-20.8
71.15	12.6	40	-27.4	100	178	Horizontal	-20.3
120.05	12.4	43.5	-31.1	116	36	Horizontal	-14.4
197.91	18.6	43.5	-24.9	125	319	Horizontal	-14.9
206.15	16.1	43.5	-27.4	116	296	Horizontal	-16
625.51	22.8	46	-23.2	339	236	Horizontal	-5.1

Note: Correction = AF + CF - Preamp

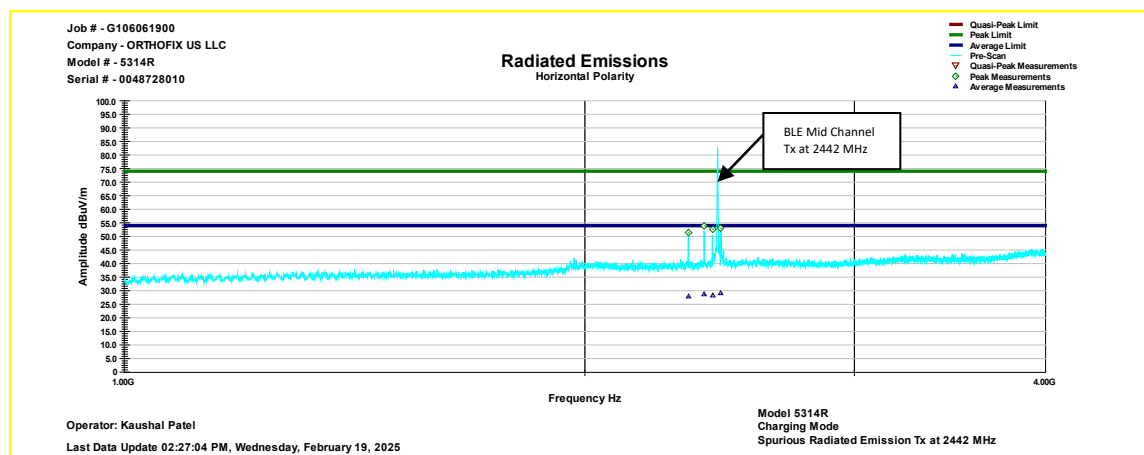
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
38.15	16.4	40	-23.6	149	116	Vertical	-12.8
43.45	19.3	40	-20.7	105	142	Vertical	-16.5
56.85	11.7	40	-28.3	129	233	Vertical	-20.8
106.15	27.8	43.5	-15.7	100	223	Vertical	-16.4
625.35	24.1	46	-21.9	101	272	Vertical	-5.1
743.55	29.8	46	-16.2	202	18	Vertical	-3.1

Note: Correction = AF + CF - Preamp

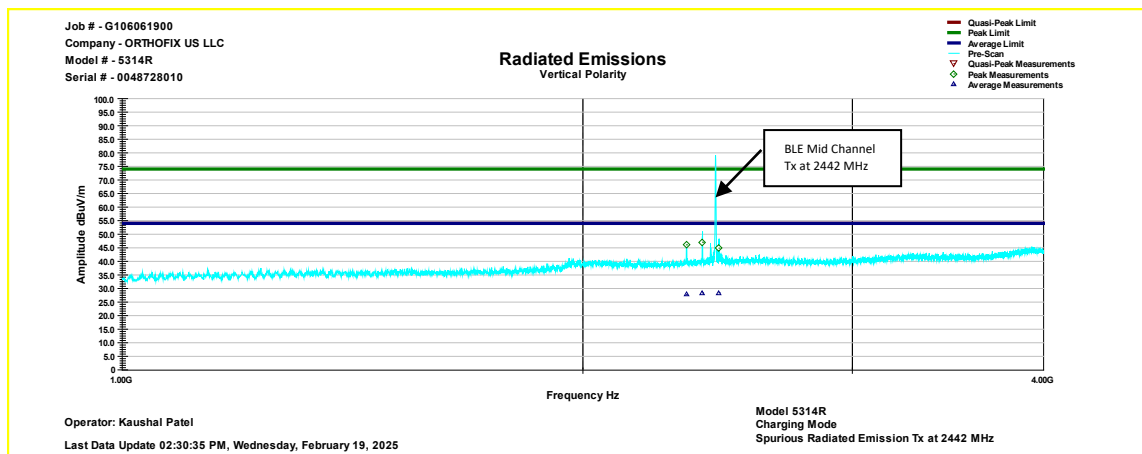
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2336.45	51.3	74	-22.7	217	108	Horizontal	-15.7
2393.05	53.8	74	-20.2	232	145	Horizontal	-15.2
2422.95	52.7	74	-21.3	316	98	Horizontal	-14.8
2454.05	53	74	-21	304	98	Horizontal	-14.7

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2336.45	27.8	54	-26.2	217	108	Horizontal	-15.7
2393.05	28.6	54	-25.4	232	145	Horizontal	-15.2
2422.95	28.5	54	-25.5	316	98	Horizontal	-14.8
2454.05	29	54	-25	304	98	Horizontal	-14.7

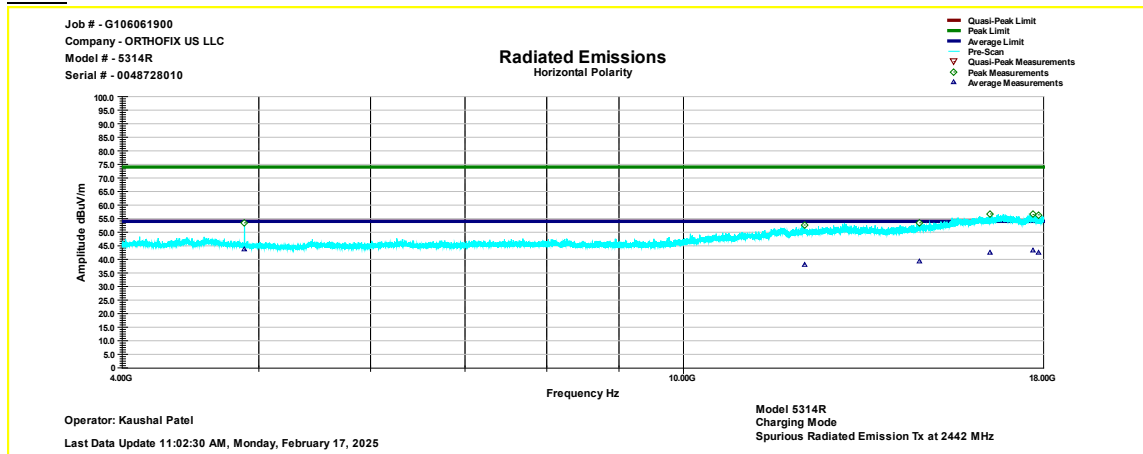
Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2337.05	46.1	74	-27.9	284	191	Vertical	-15.67
2394.55	47	74	-27	123	92	Vertical	-15.19
2454.45	44.8	74	-29.2	238	173	Vertical	-14.81

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2337.05	27.7	54	-26.3	284	191	Vertical	-15.67
2394.55	28.3	54	-25.6	123	92	Vertical	-15.19
2454.45	28.4	54	-25.6	238	173	Vertical	-14.81

Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

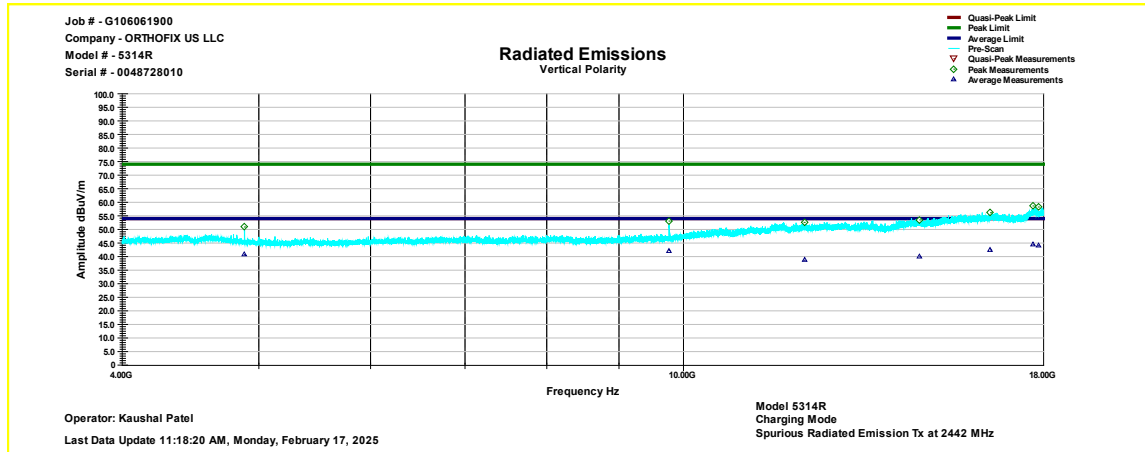
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.55	53.5	74	-20.5	150	319	Horizontal	3.70
12177.05	52.6	74	-21.4	400	27	Horizontal	6.00
14706.95	53.4	74	-20.6	400	197	Horizontal	9.00
16508.05	56.7	74	-17.3	195	160	Horizontal	11.90
17693.05	56.5	74	-17.5	182	240	Horizontal	13.00
17847.05	56.4	74	-17.6	123	28	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.55	43.7	54	-10.3	150	319	Horizontal	3.70
12177.05	38.2	54	-15.8	400	27	Horizontal	6.00
14706.95	39.3	54	-14.6	400	197	Horizontal	9.00
16508.05	42.4	54	-11.6	195	160	Horizontal	11.90
17693.05	43.1	54	-10.9	182	240	Horizontal	13.00
17847.05	42.4	54	-11.6	123	28	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.55	50.9	74	-23.1	347	19	Vertical	2.30
9767.15	53.1	74	-20.9	367	176	Vertical	-0.28
12177.05	52.6	74	-21.4	398	186	Vertical	3.33
14707.05	53.5	74	-20.5	228	21	Vertical	5.93
16508.05	56.1	74	-17.9	356	287	Vertical	8.06
17692.95	58.6	74	-15.4	99.9	226	Vertical	10.15
17846.95	58.2	74	-15.8	400	97	Vertical	10.66

Note: Correction = AF + CF - Preamp

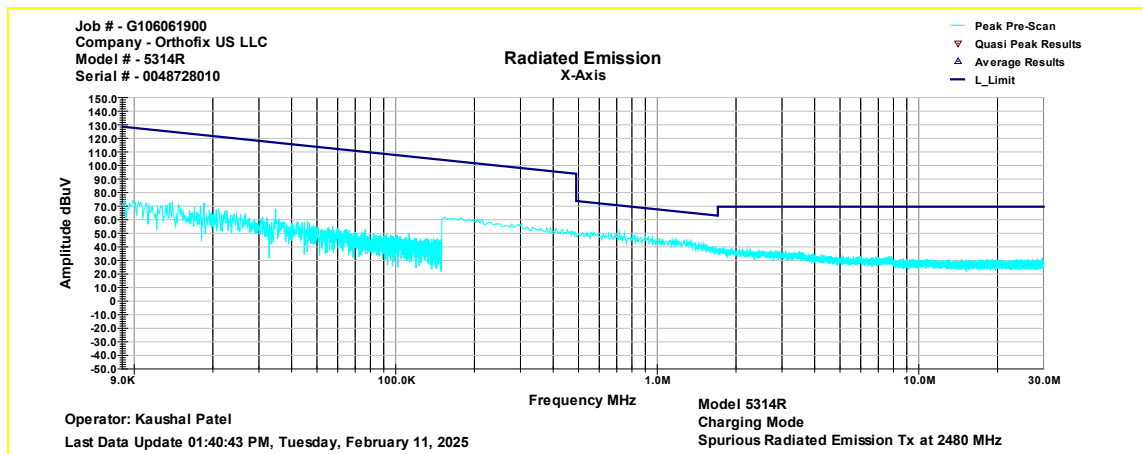
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.55	40.7	54	-13.3	347	19	Vertical	2.30
9767.15	42.2	54	-11.7	367	176	Vertical	-0.28
12177.05	38.6	54	-15.3	398	186	Vertical	3.33
14707.05	40	54	-14	228	21	Vertical	5.93
16508.05	42.4	54	-11.5	356	287	Vertical	8.06
17692.95	44.4	54	-9.6	99.9	226	Vertical	10.15
17846.95	44	54	-10	400	97	Vertical	10.66

Note: Correction = AF + CF - Preamp

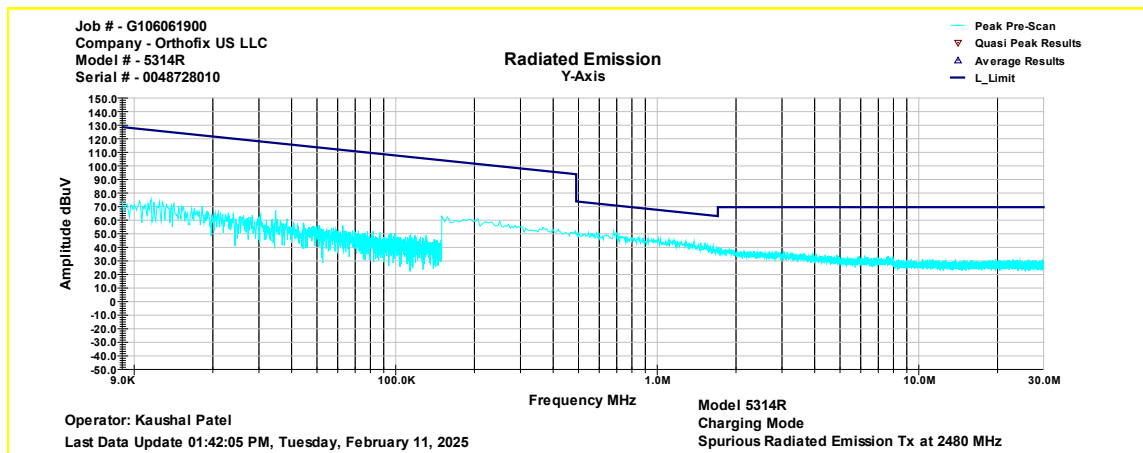
Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

Test Results: Part 15.209 Radiated Spurious Emissions High Channel, Tx at 2480MHz

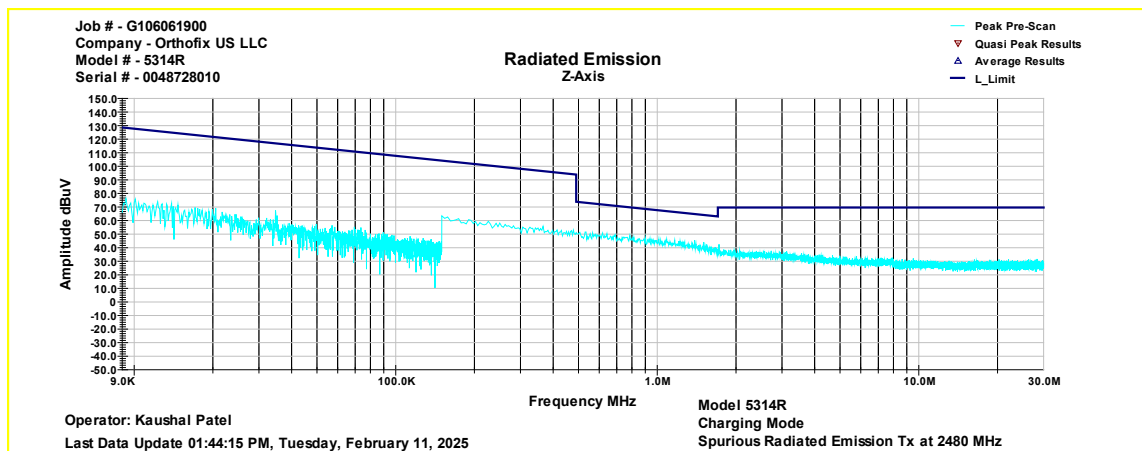
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



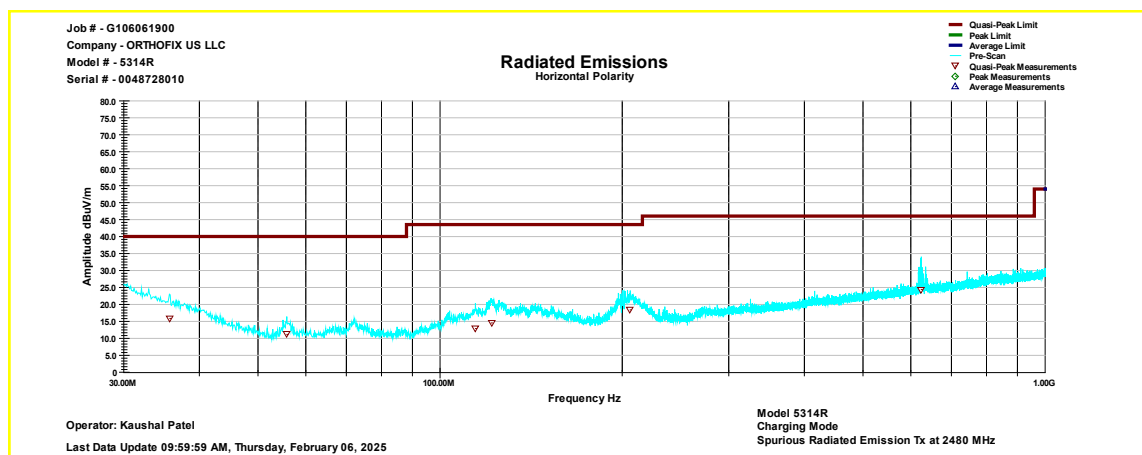
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



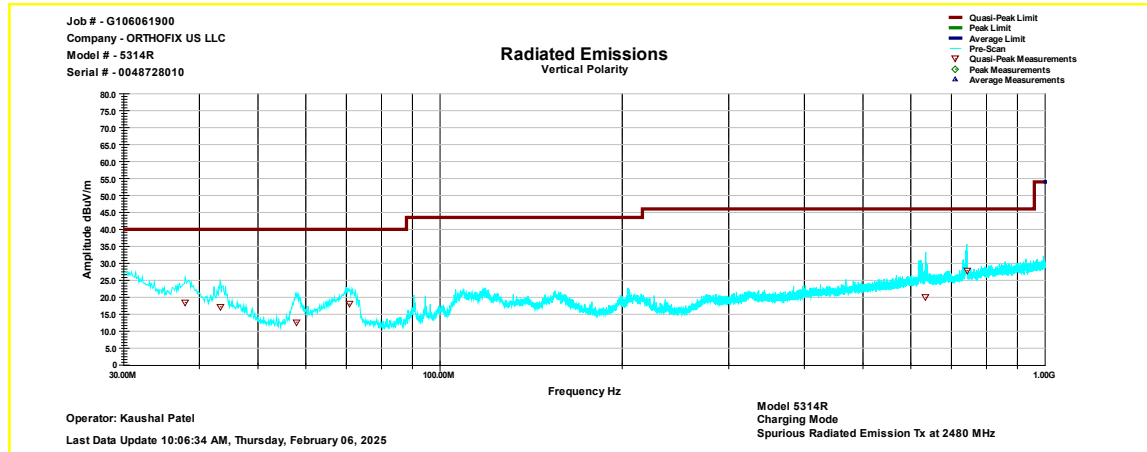
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
35.75	15.9	40	-24.1	249	90	Horizontal	-10.9
55.81	11.1	40	-28.9	349	23	Horizontal	-20.8
114.45	12.9	43.5	-30.6	154	188	Horizontal	-14.9
121.55	14.5	43.5	-29	249	201	Horizontal	-14.3
206.15	18.4	43.5	-25.1	110	52	Horizontal	-16
624.35	24.4	46	-21.6	350	248	Horizontal	-5.2

Note: Correction = AF + CF - Preamp

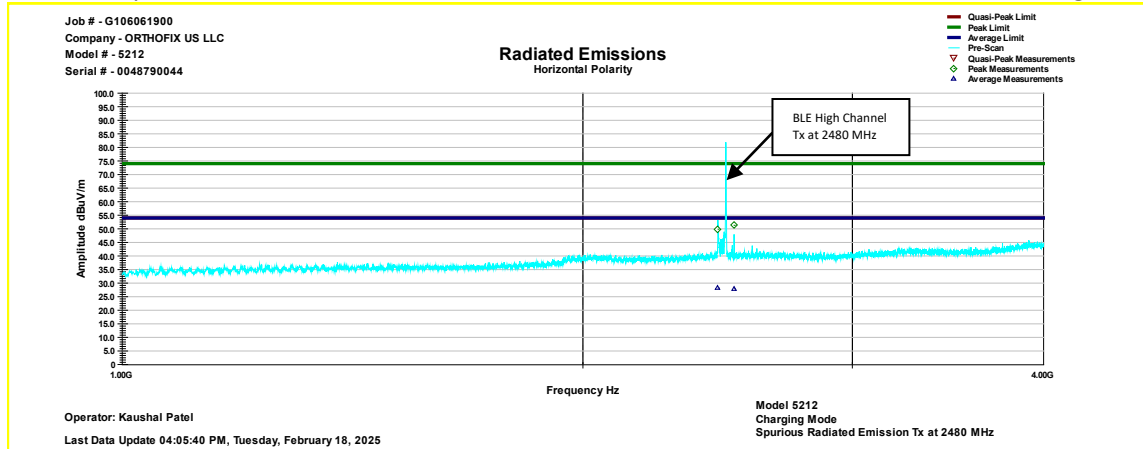
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
37.91	18.4	40	-21.6	125	116	Vertical	-12.6
43.31	17.2	40	-22.8	100	42	Vertical	-16.4
57.81	12.6	40	-27.4	101	128	Vertical	-20.8
70.71	18	40	-22	176	75	Vertical	-20.3
634.85	20	46	-26.1	134	317	Vertical	-4.8
742.31	27.8	46	-18.2	149	252	Vertical	-3.1

Note: Correction = AF + CF - Preamp

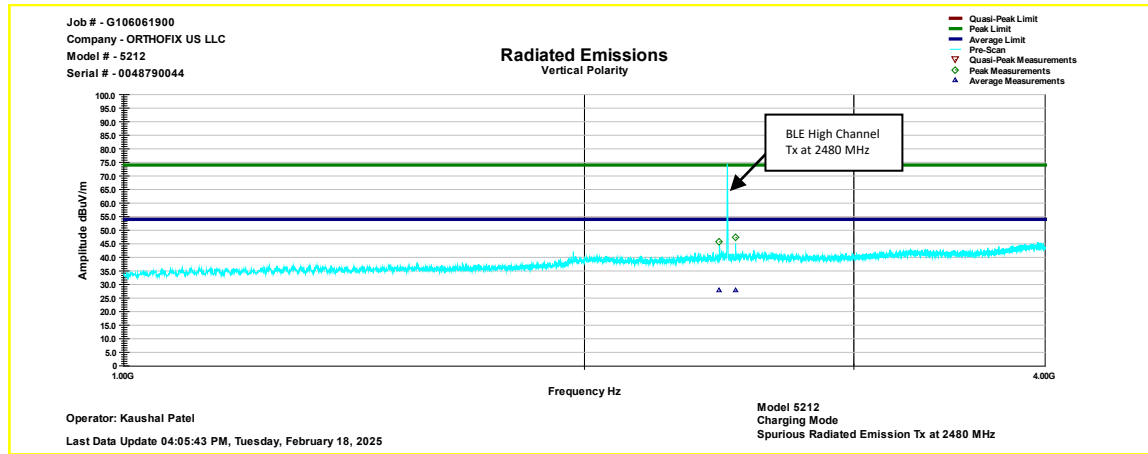
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.95	49.8	74	-24.2	323	326	Horizontal	-14.7
2511.05	51.3	74	-22.7	215	17	Horizontal	-14.6

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.95	28.6	54	-25.5	323	326	Horizontal	-14.7
2511.05	28.6	54	-25.5	215	17	Horizontal	-14.6

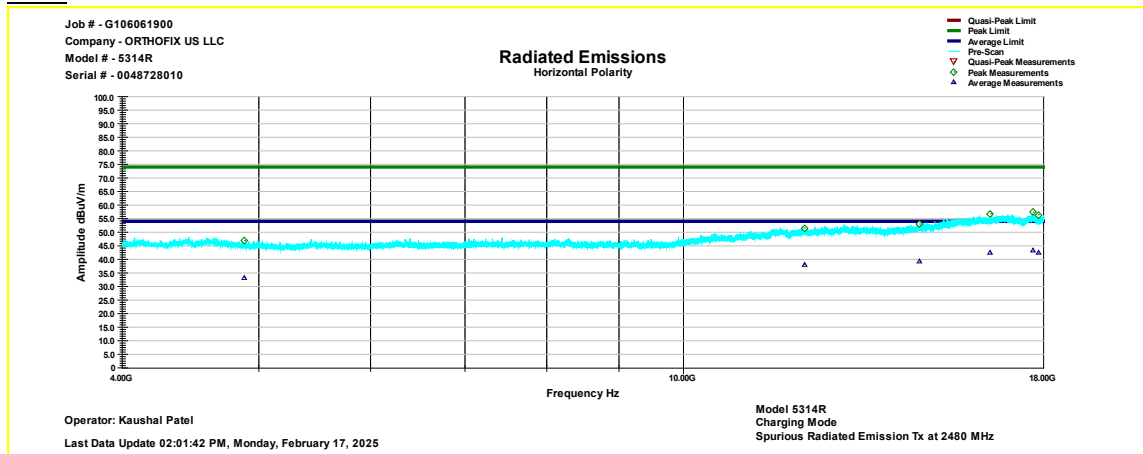
Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.45	45.7	74	-28.3	109	325	Vertical	-14.92
2511.05	47.2	74	-26.8	350	86	Vertical	-14.54

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.45	27.9	54	-26.1	109	325	Vertical	-14.92
2511.05	27.9	54	-26.1	350	86	Vertical	-14.54

Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

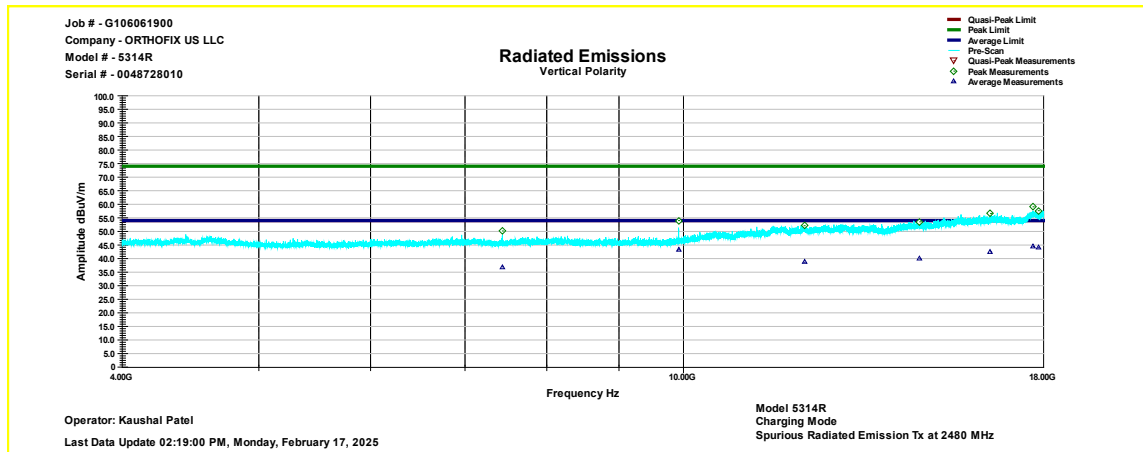
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.55	47	74	-27	181	230	Horizontal	3.70
12177.05	51.5	74	-22.5	100	304	Horizontal	6.00
14706.95	53	74	-21	345	341	Horizontal	9.00
16508.05	56.8	74	-17.2	356	36	Horizontal	11.90
17693.05	57.4	74	-16.6	113	17	Horizontal	13.00
17847.05	56.4	74	-17.6	400	66	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4959.45	33.3	54	-20.7	181	230	Horizontal	3.70
12176.95	38.2	54	-15.8	100	304	Horizontal	6.00
14707.05	39.4	54	-14.6	345	341	Horizontal	9.00
16508.05	42.4	54	-11.6	356	36	Horizontal	11.90
17692.95	43.2	54	-10.8	113	17	Horizontal	13.00
17846.95	42.4	54	-11.6	400	66	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
7440.55	50.1	74	-23.9	165	278	Vertical	-2.35
9919.25	54	74	-20	100	144	Vertical	-0.03
12177.05	52.1	74	-21.9	267	155	Vertical	3.33
14707.05	53.5	74	-20.5	397	353	Vertical	5.93
16508.05	56.5	74	-17.5	327	201	Vertical	8.06
17692.95	59.1	74	-14.9	248	112	Vertical	10.15
17846.95	57.6	74	-16.4	101	281	Vertical	10.66

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
7440.55	36.9	54	-17.1	165	278	Vertical	-2.35
9919.25	43.2	54	-10.7	100	144	Vertical	-0.03
12177.05	38.6	54	-15.4	267	155	Vertical	3.33
14707.05	40	54	-14	397	353	Vertical	5.93
16508.05	42.5	54	-11.5	327	201	Vertical	8.06
17692.95	44.4	54	-9.5	248	112	Vertical	10.15
17846.95	44	54	-10	101	281	Vertical	10.66

Note: Correction = AF + CF – Preamp

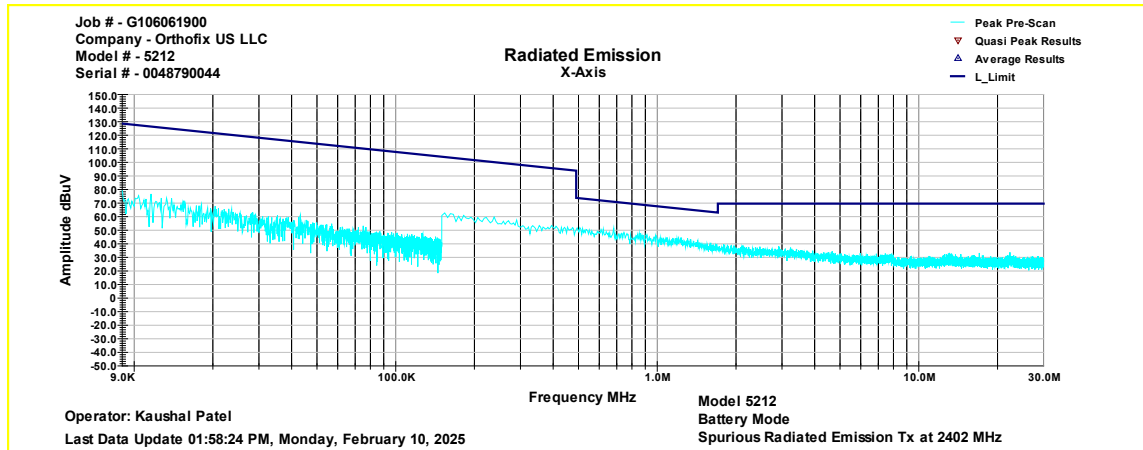
Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

Model 5212

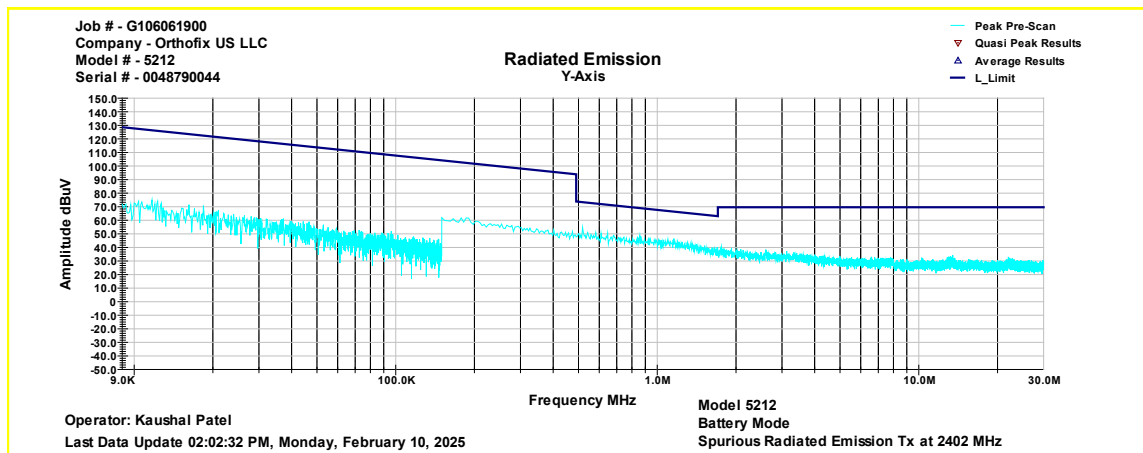
Battery Mode

Test Results: Part 15.209 Radiated Spurious Emissions Low Channel, Tx at 2402MHz

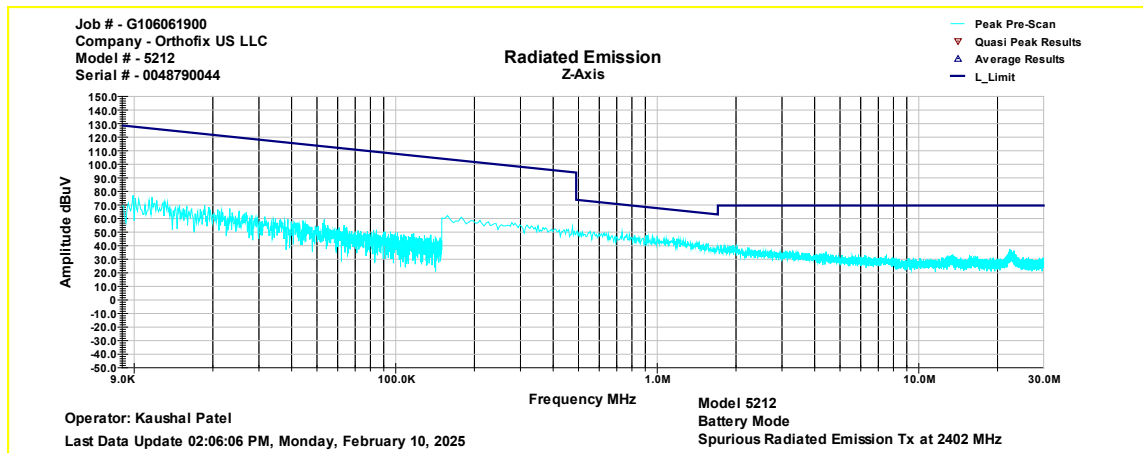
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



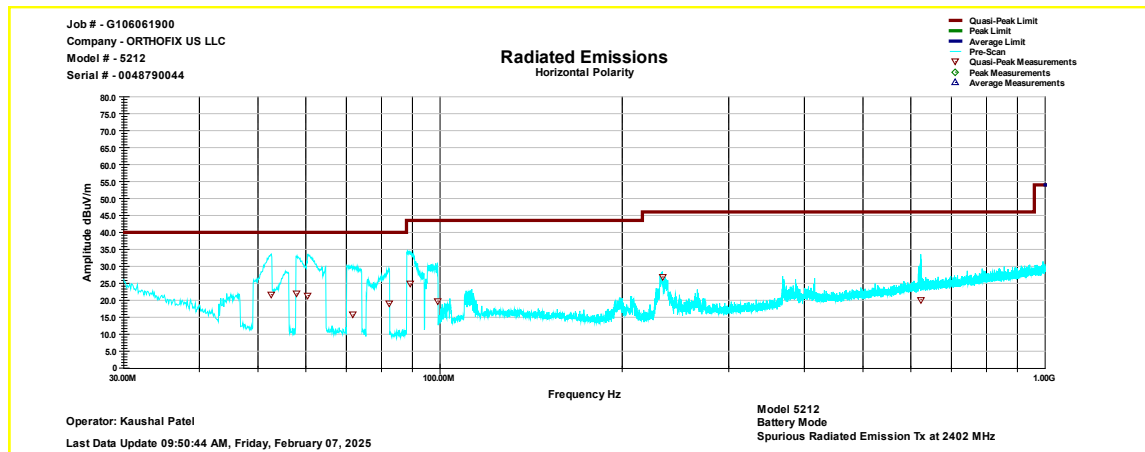
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



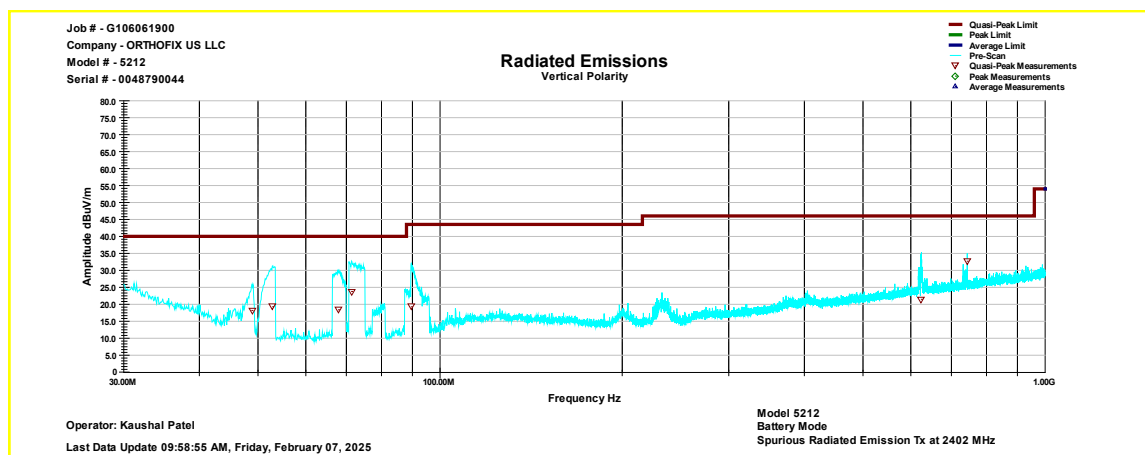
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
52.61	21.6	40	-18.4	250	325	Horizontal	-20.5
57.95	21.9	40	-18.1	100	264	Horizontal	-20.8
60.51	21.4	40	-18.6	350	293	Horizontal	-20.7
71.81	15.7	40	-24.3	250	232	Horizontal	-20.2
82.31	19	40	-21	217	125	Horizontal	-20.6
89.15	24.8	43.5	-18.7	150	98	Horizontal	-20.6
99.05	19.8	43.5	-23.8	326	80	Horizontal	-18.1
233.01	26.8	46	-19.2	115	108	Horizontal	-15.4
623.05	20.1	46	-25.9	150	57	Horizontal	-5.2

Note: Correction = AF + CF - Preamp

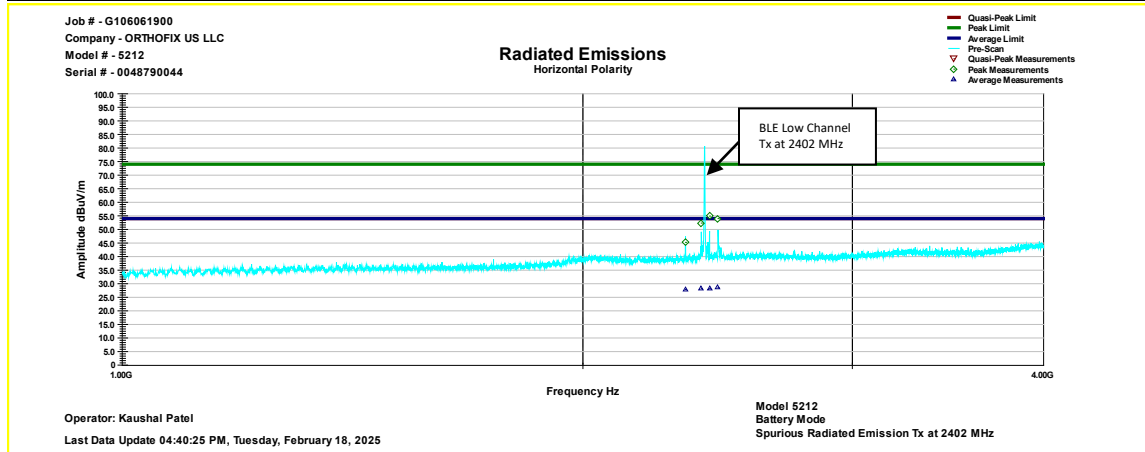
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
48.85	18.2	40	-21.8	104	80	Vertical	-19.5
52.91	19.3	40	-20.7	149	173	Vertical	-20.6
67.95	18.4	40	-21.6	101	268	Vertical	-20.3
71.41	23.7	40	-16.3	344	22	Vertical	-20.3
89.65	19.3	43.5	-24.3	150	9	Vertical	-20.5
624.55	21.5	46	-24.6	149	263	Vertical	-5.1
743.55	32.7	46	-13.4	101	279	Vertical	-3.1

Note: Correction = AF + CF - Preamp

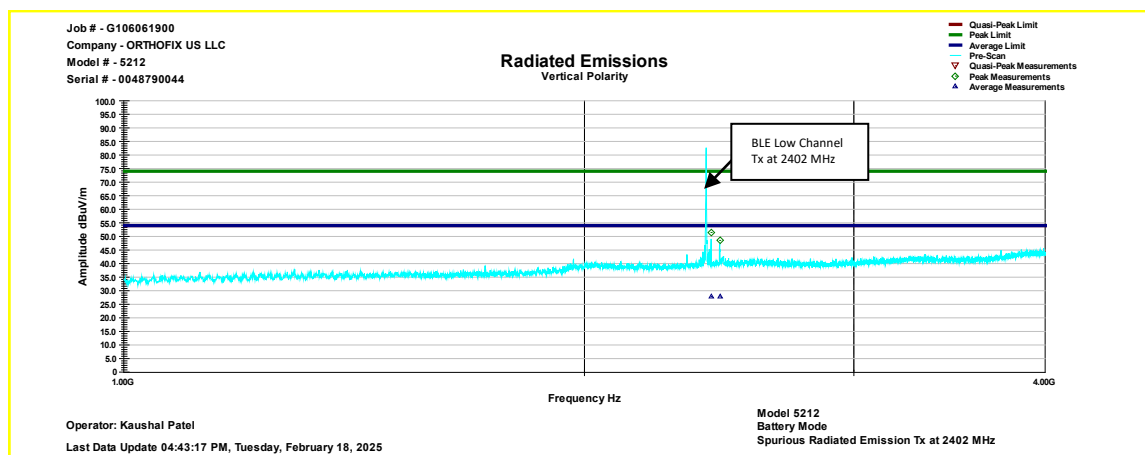
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2334.05	45.2	74	-28.8	349	321	Horizontal	-15.7
2390.05	52.3	74	-21.7	344	18	Horizontal	-15.2
2419.95	54.9	74	-19.1	339	18	Horizontal	-14.9
2450.95	54	74	-20	326	18	Horizontal	-14.7

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2334.05	27.9	54	-26.1	349	321	Horizontal	-15.7
2390.05	28.2	54	-25.8	344	18	Horizontal	-15.2
2419.95	28.2	54	-25.8	339	18	Horizontal	-14.9
2450.95	28.5	54	-25.4	326	18	Horizontal	-14.7

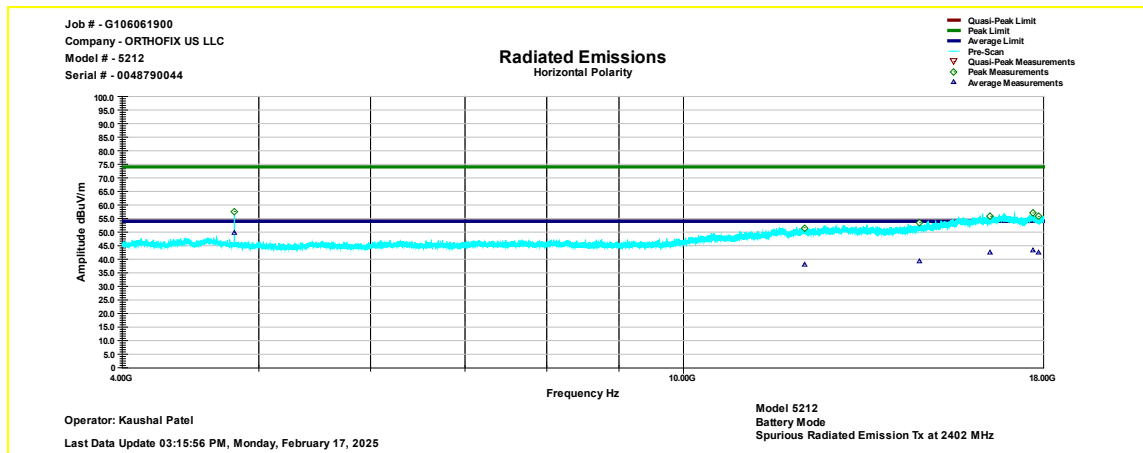
Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2419.95	51.4	74	-22.6	340	94	Vertical	-15.05
2451.45	48.5	74	-25.5	348	325	Vertical	-14.817

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2419.95	27.8	54	-26.2	131	18	Vertical	-15.05
2451.45	28	54	-26	99.9	51	Vertical	-14.817

Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

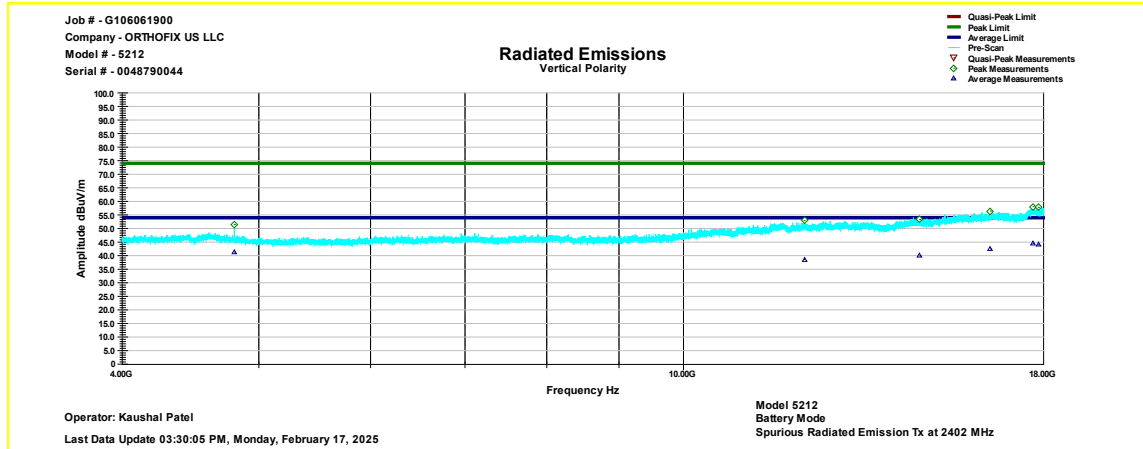
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.45	57.6	74	-16.4	244	330	Horizontal	4.4
12176.95	51.6	74	-22.4	400	160	Horizontal	6
14707.05	53.4	74	-20.6	343	238	Horizontal	9
16508.05	55.8	74	-18.2	121	117	Horizontal	11.9
17692.95	57.1	74	-16.9	285	216	Horizontal	13
17847.05	55.8	74	-18.2	100	313	Horizontal	13.1

Note: Correction = AF + CF - Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.45	49.8	54	-4.1	244	330	Horizontal	4.4
12176.95	38.2	54	-15.8	400	160	Horizontal	6
14707.05	39.4	54	-14.6	343	238	Horizontal	9
16508.05	42.4	54	-11.6	121	117	Horizontal	11.9
17692.95	43.2	54	-10.8	285	216	Horizontal	13
17847.05	42.4	54	-11.6	100	313	Horizontal	13.1

Note: Correction = AF + CF - Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	51.4	74	-22.6	347	28	Vertical	3.05
12177.05	52.9	74	-21.1	390	268	Vertical	3.33
14707.05	53.3	74	-20.7	320	124	Vertical	5.93
16507.95	56.4	74	-17.6	195	316	Vertical	8.06
17693.05	58	74	-16	109	121	Vertical	10.15
17847.05	57.7	74	-16.3	276	185	Vertical	10.66

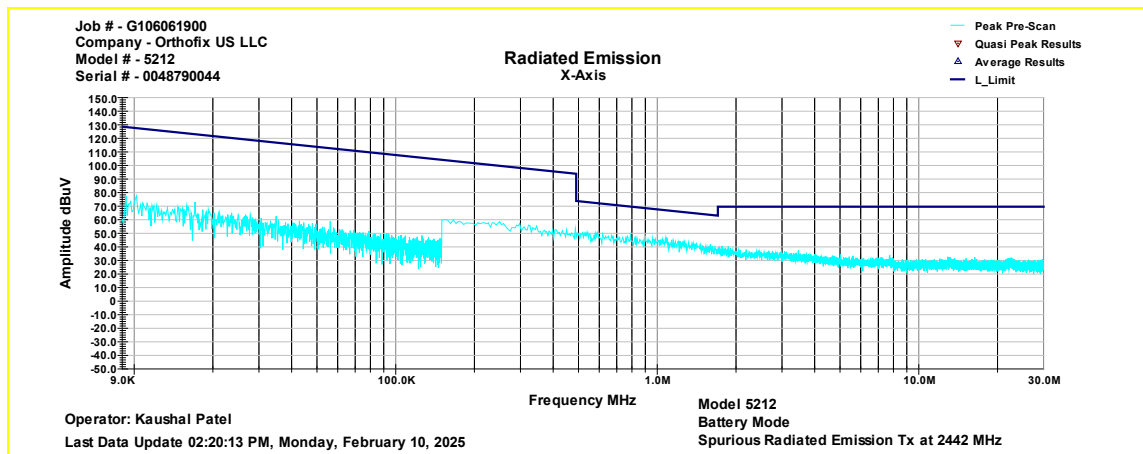
Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	41.3	54	-12.7	347	28	Vertical	3.05
12177.05	38.6	54	-15.4	390	268	Vertical	3.33
14707.05	39.9	54	-14	320	124	Vertical	5.93
16507.95	42.4	54	-11.5	195	316	Vertical	8.06
17693.05	44.4	54	-9.5	109	121	Vertical	10.15
17847.05	44	54	-10	276	185	Vertical	10.66

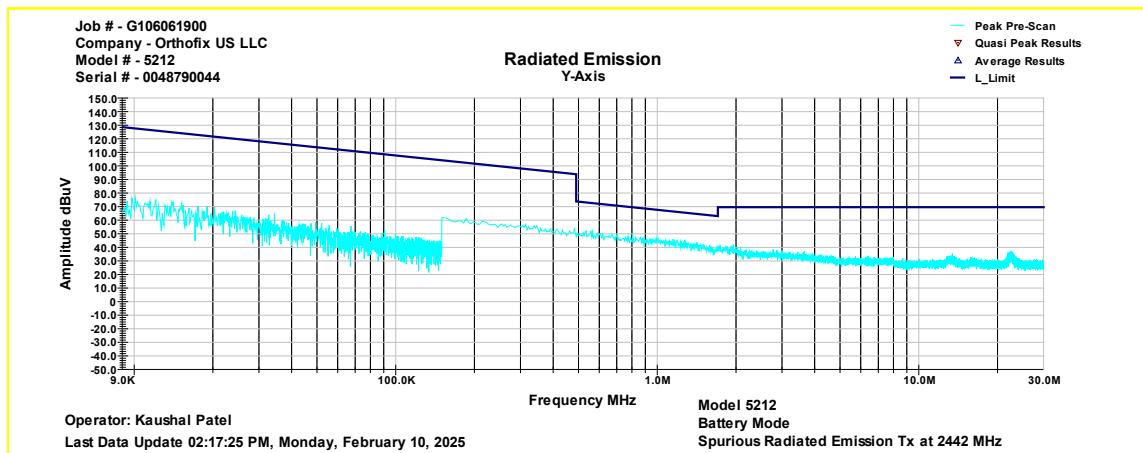
Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

Test Results: Part 15.209 Radiated Spurious Emissions Mid Channel, Tx at 2442MHz

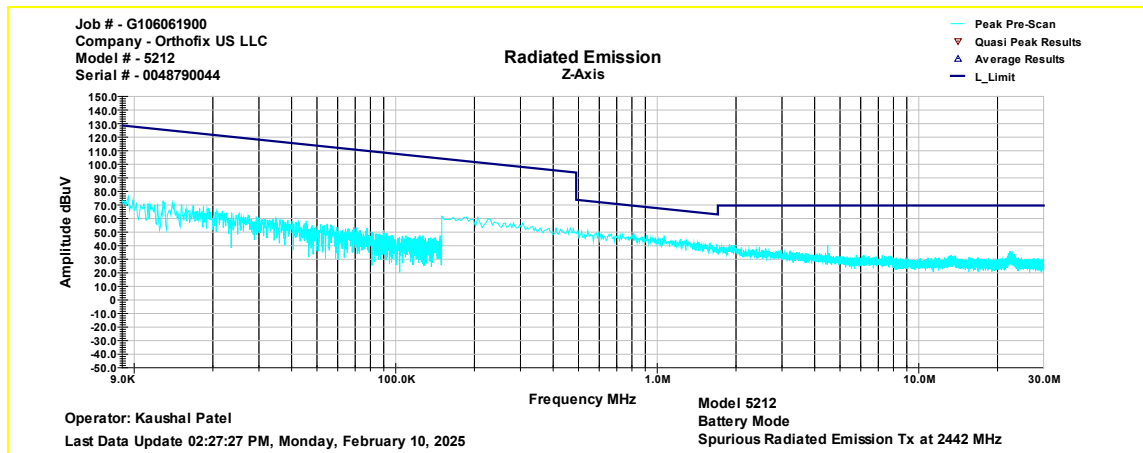
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



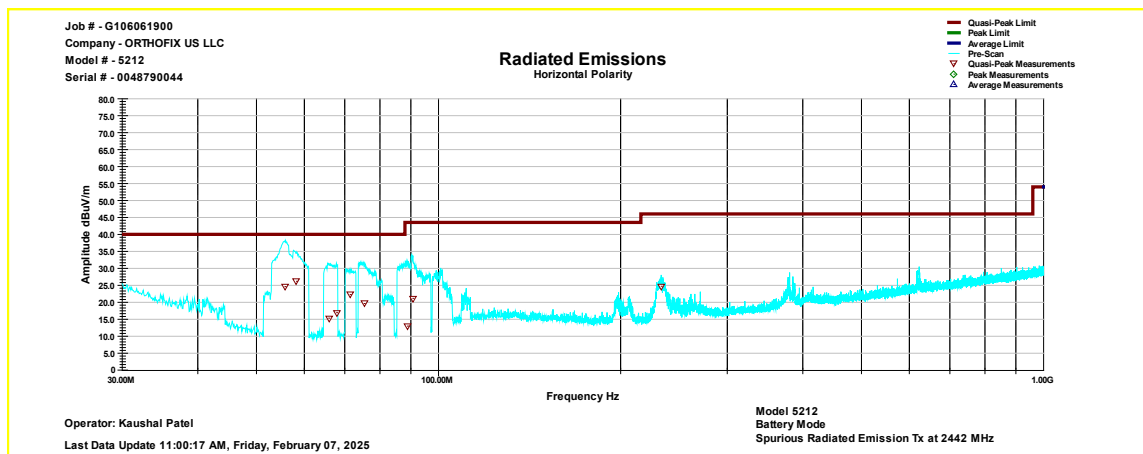
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



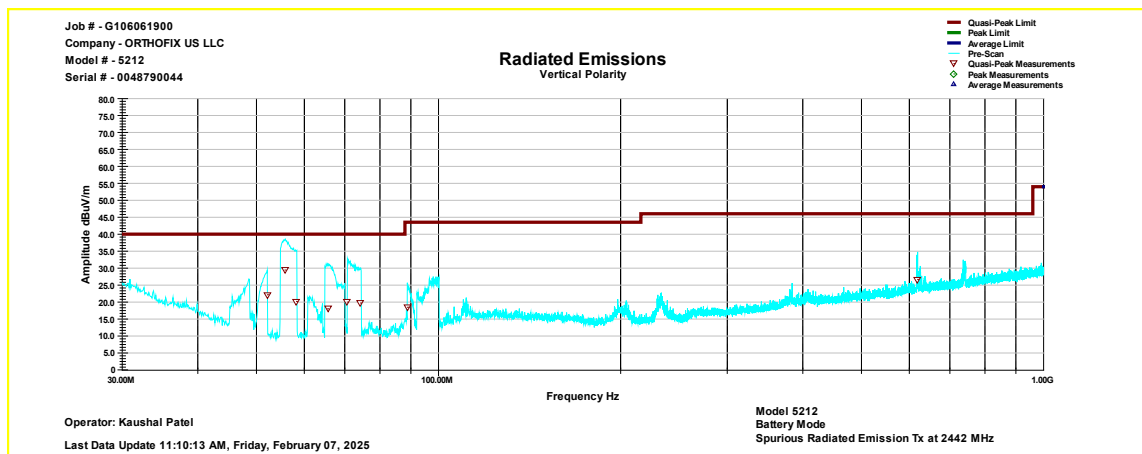
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
55.75	24.6	40	-15.4	266	225	Horizontal	-20.8
58.25	26.2	40	-13.8	206	308	Horizontal	-20.8
65.85	15.3	40	-24.7	250	220	Horizontal	-20.3
67.85	16.9	40	-23.1	250	242	Horizontal	-20.3
71.45	22.3	40	-17.7	306	140	Horizontal	-20.3
75.35	19.6	40	-20.4	250	280	Horizontal	-20.4
88.85	13	43.5	-30.6	350	44	Horizontal	-20.6
90.71	21.1	43.5	-22.4	295	97	Horizontal	-20.4
233.35	24.7	46	-21.3	100	101	Horizontal	-15.4

Note: Correction = AF + CF - Preamp

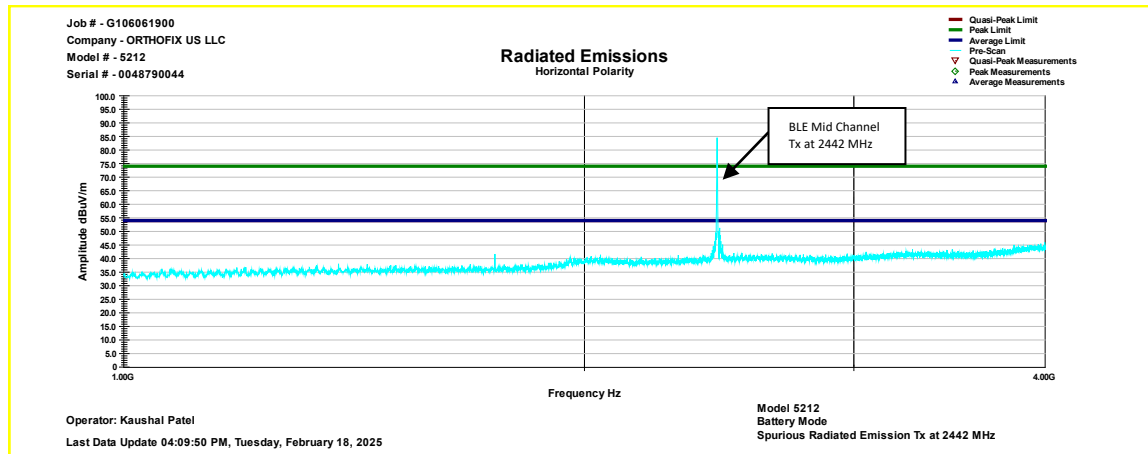
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



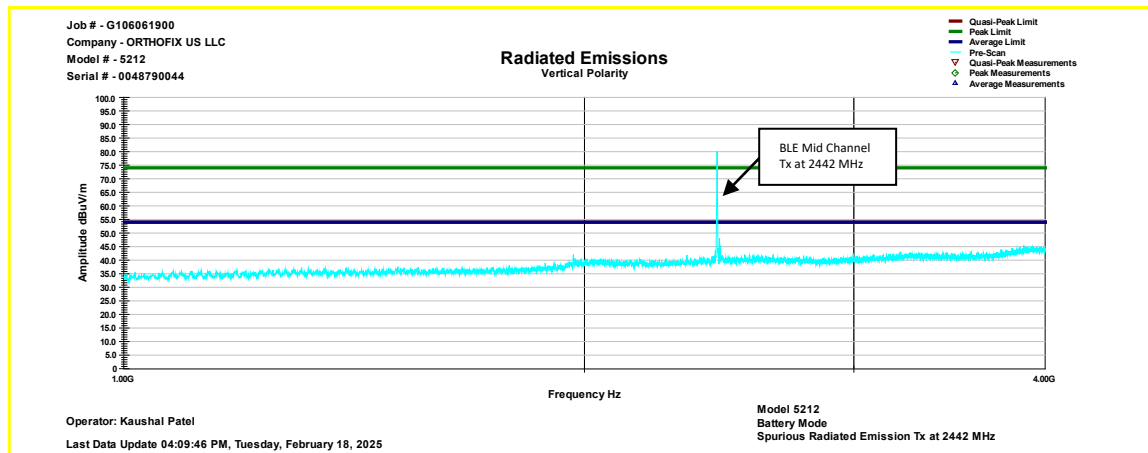
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
52.15	22.1	40	-17.9	115	189	Vertical	-20.4
55.75	29.4	40	-10.6	274	22	Vertical	-20.8
58.25	20.2	40	-19.8	250	13	Vertical	-20.8
65.55	18	40	-22	149	232	Vertical	-20.3
70.65	20	40	-20	247	19	Vertical	-20.3
74.31	19.7	40	-20.3	215	9	Vertical	-20.3
88.85	18.5	43.5	-25.1	333	78	Vertical	-20.6
619.21	26.7	46	-19.4	131	217	Vertical	-5.2

Note: Correction = AF + CF - Preamp

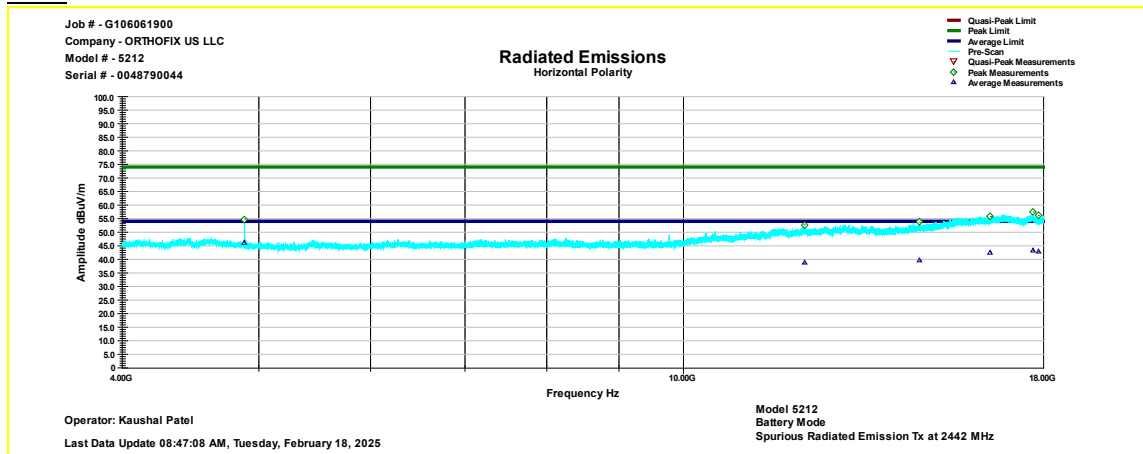
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

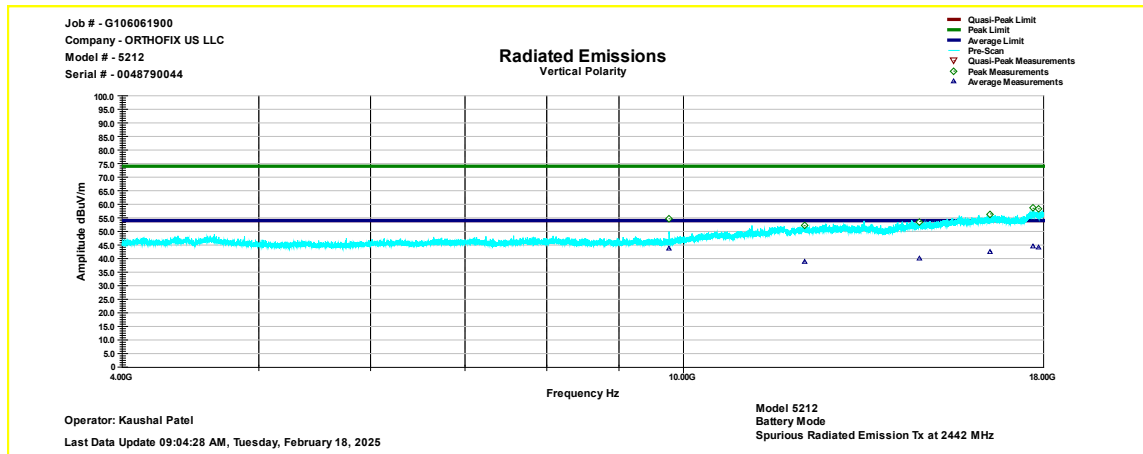
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.45	54.8	74	-19.2	313	330	Horizontal	3.70
12177.05	52.7	74	-21.3	400	24	Horizontal	6.00
14707.05	53.7	74	-20.3	367	316	Horizontal	9.00
16508.05	55.8	74	-18.2	180	42	Horizontal	11.90
17692.95	57.4	74	-16.6	100	276	Horizontal	13.00
17847.05	56.2	74	-17.8	331	170	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.45	46.2	54	-7.7	313	330	Horizontal	3.70
12177.05	38.7	54	-15.3	400	24	Horizontal	6.00
14707.05	39.6	54	-14.4	367	316	Horizontal	9.00
16508.05	42.6	54	-11.3	180	42	Horizontal	11.90
17692.95	43.2	54	-10.7	100	276	Horizontal	13.00
17847.05	42.8	54	-11.2	331	170	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9767.25	54.6	74	-19.4	389	157	Vertical	-0.28
12177.05	52.1	74	-21.9	130	39	Vertical	3.33
14706.95	53.6	74	-20.4	375	112	Vertical	5.93
16508.05	56.4	74	-17.6	344	48	Vertical	8.06
17693.05	58.5	74	-15.5	115	154	Vertical	10.15
17847.05	58.3	74	-15.7	101	33	Vertical	10.66

Note: Correction = AF + CF - Preamp

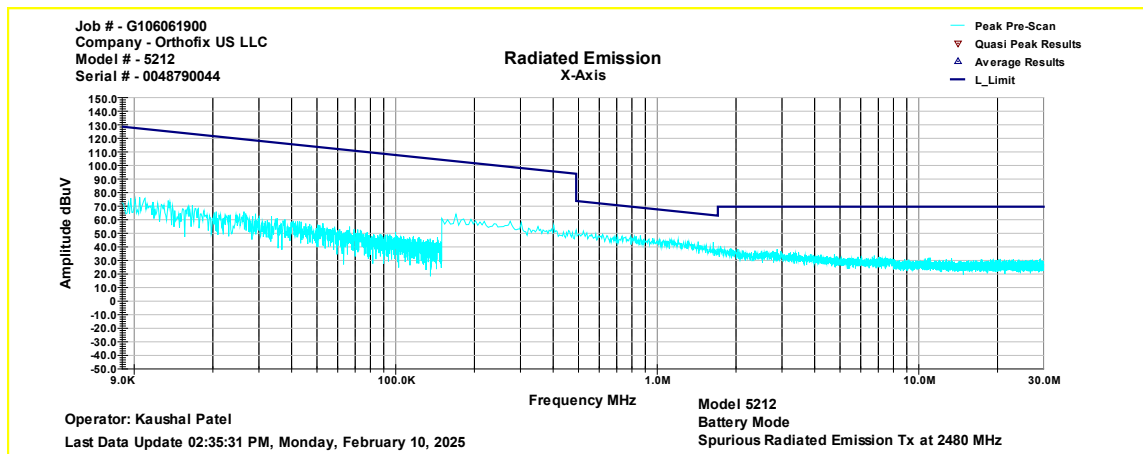
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9767.25	43.7	54	-10.3	389	157	Vertical	-0.28
12177.05	38.8	54	-15.2	130	39	Vertical	3.33
14706.95	40.1	54	-13.9	375	112	Vertical	5.93
16508.05	42.6	54	-11.4	344	48	Vertical	8.06
17693.05	44.7	54	-9.3	115	154	Vertical	10.15
17847.05	44.1	54	-9.9	101	33	Vertical	10.66

Note: Correction = AF + CF - Preamp

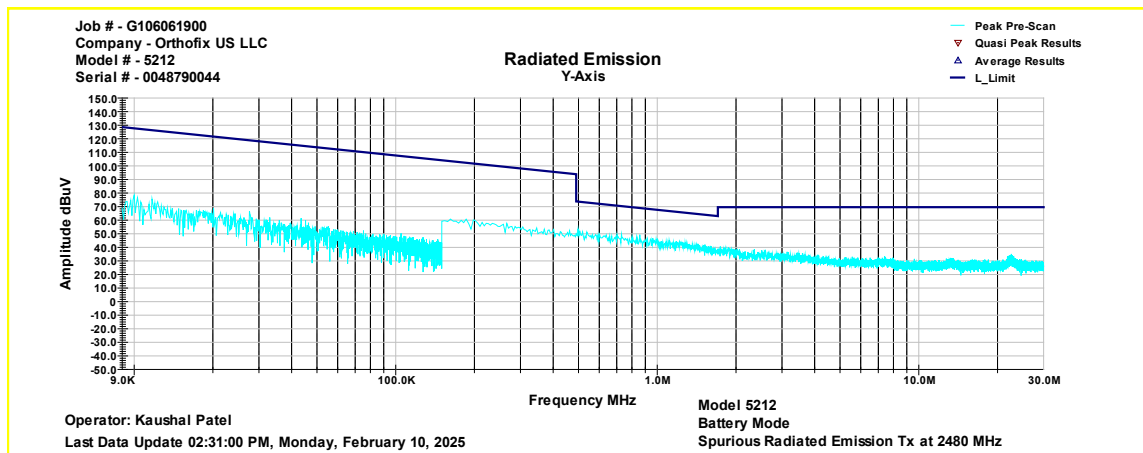
Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

Test Results: Part 15.209 Radiated Spurious Emissions High Channel, Tx at 2480MHz

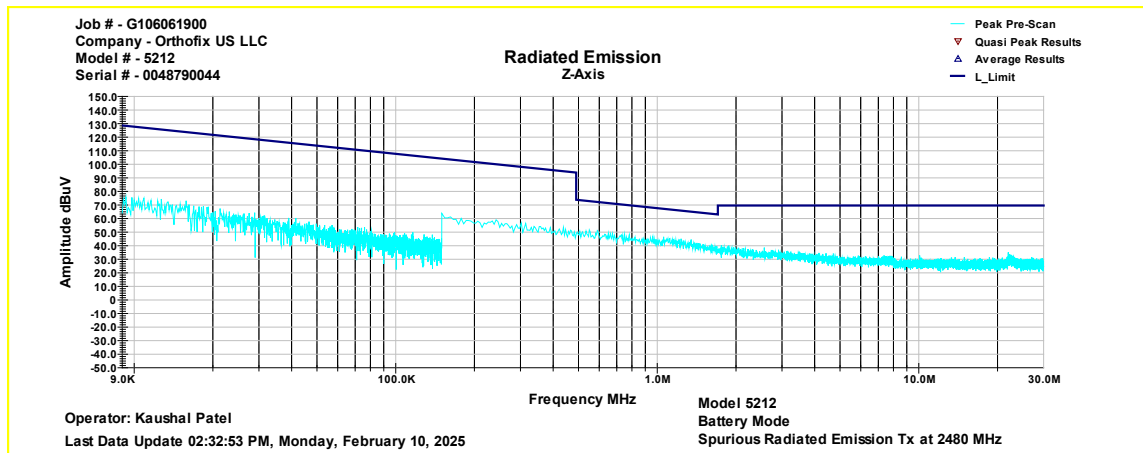
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



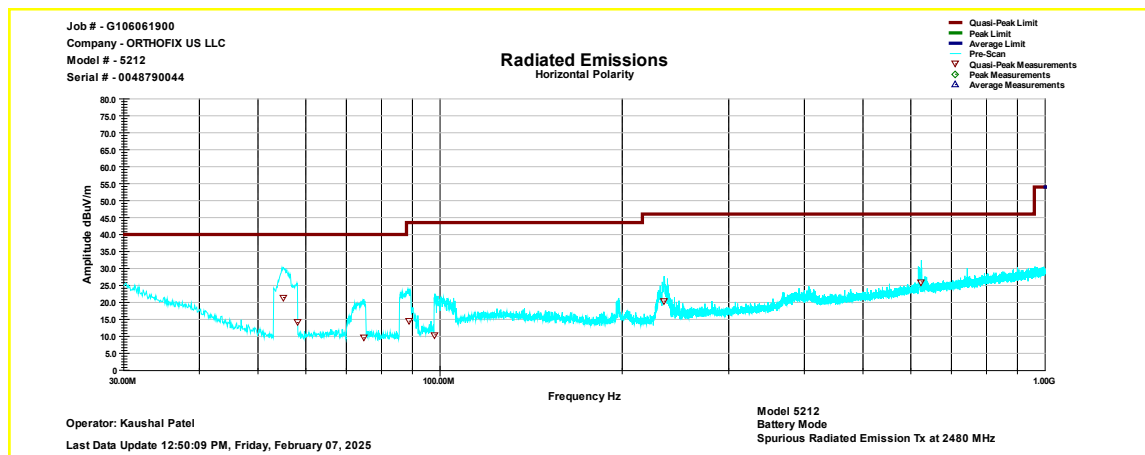
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



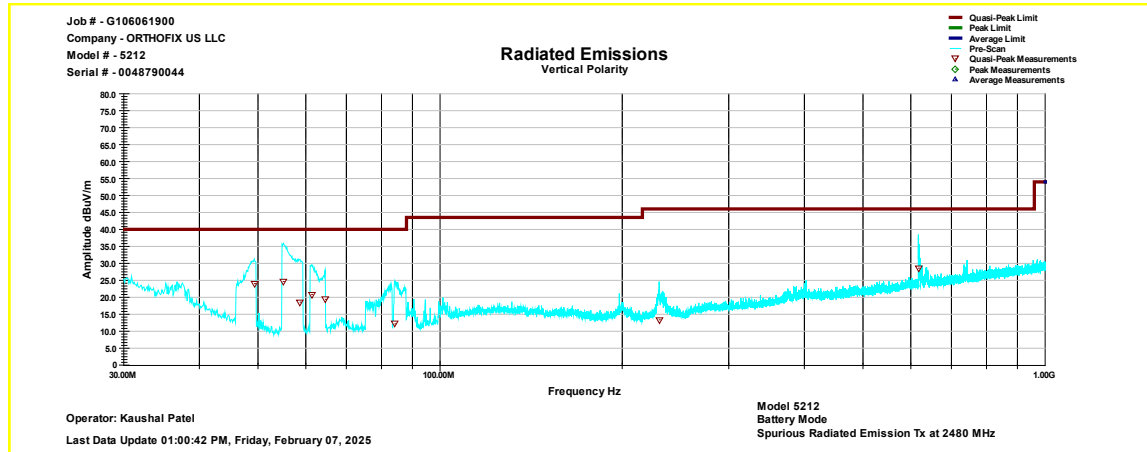
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
55.11	21.4	40	-18.6	340	322	Horizontal	-20.8
58.05	14	40	-26	249	267	Horizontal	-20.8
74.75	9.6	40	-30.4	148	97	Horizontal	-20.4
88.95	14.4	43.5	-29.1	137	315	Horizontal	-20.6
98.01	10.4	43.5	-33.1	109	274	Horizontal	-18.4
234.55	20.4	46	-25.7	149	52	Horizontal	-15.3
624.35	26	46	-20	149	158	Horizontal	-5.2

Note: Correction = AF + CF - Preamp

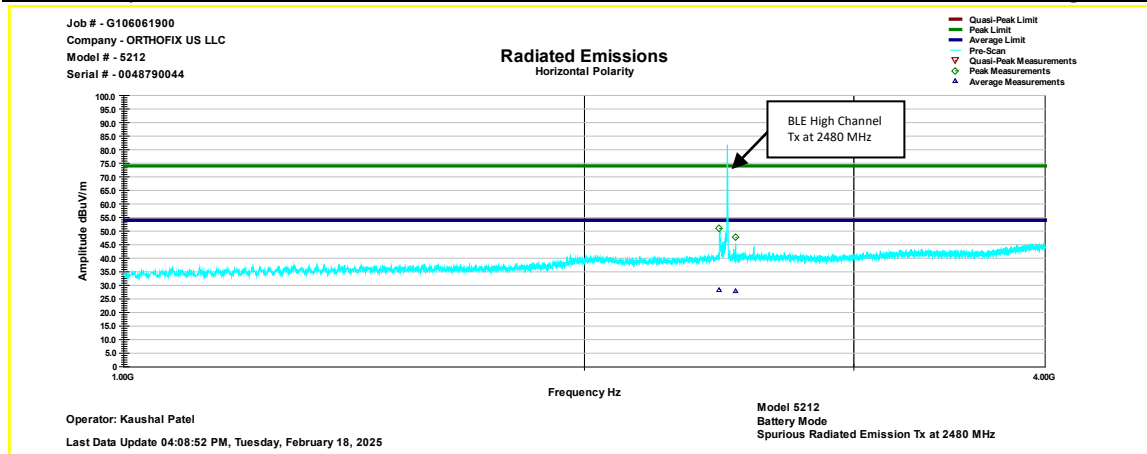
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
49.35	24	40	-16	267	22	Vertical	-19.7
55.05	24.6	40	-15.4	250	127	Vertical	-20.8
58.71	18.5	40	-21.5	250	218	Vertical	-20.8
61.35	20.8	40	-19.2	183	22	Vertical	-20.7
64.65	19.4	40	-20.6	238	12	Vertical	-20.4
84.21	12.1	40	-27.9	349	166	Vertical	-20.7
230.25	13.4	46	-32.7	130	314	Vertical	-15.7
617.31	28.6	46	-17.5	149	221	Vertical	-5.2

Note: Correction = AF + CF - Preamp

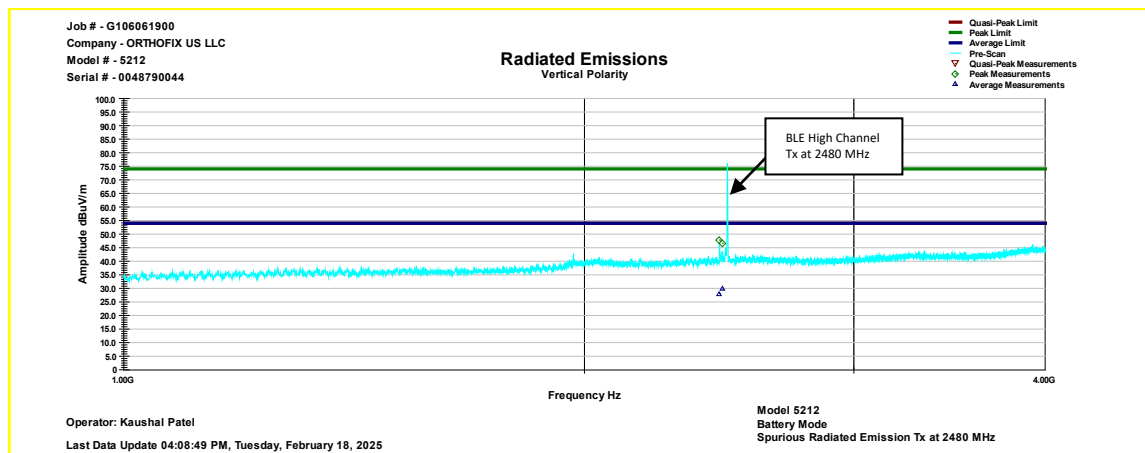
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(μV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.95	50.9	74	-23.1	313	326	Horizontal	-14.7
2511.05	47.6	74	-26.4	290	318	Horizontal	-14.6

Freq. MHz	Avg@3m dB(μV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.95	28.4	54	-25.5	313	326	Horizontal	-14.7
2511.05	27.9	54	-26.1	290	318	Horizontal	-14.6

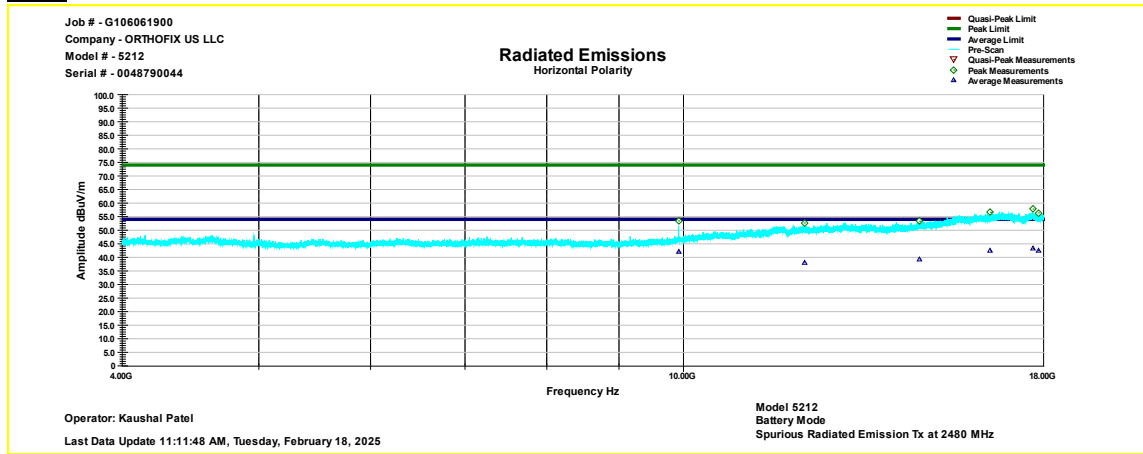
Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.55	47.8	74	-26.2	224	315	Vertical	-14.92
2460.95	46.6	74	-27.4	250	312	Vertical	-14.80

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.55	28	54	-25.9	109	325	Vertical	-14.92
2460.95	29.7	54	-24.2	350	86	Vertical	-14.80

Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

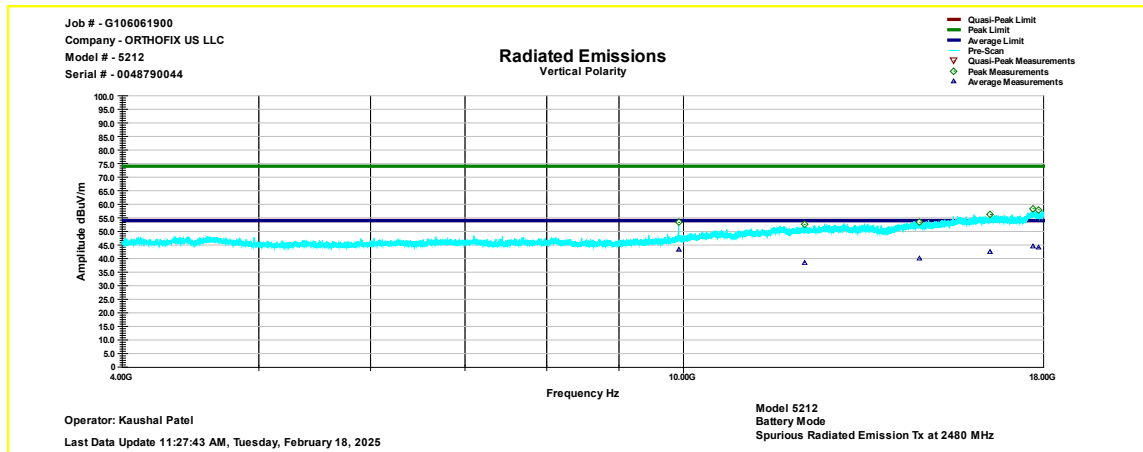
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9919.15	53.4	74	-20.6	248	296	Horizontal	1.90
12176.95	52.7	74	-21.3	330	204	Horizontal	6.00
14706.95	53.3	74	-20.7	397	101	Horizontal	9.00
16508.05	56.6	74	-17.4	263	205	Horizontal	11.90
17692.95	57.8	74	-16.2	141	162	Horizontal	13.00
17846.95	56.3	74	-17.7	166	137	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9919.15	42	54	-12	248	296	Horizontal	1.90
12176.95	38.2	54	-15.8	330	204	Horizontal	6.00
14706.95	39.4	54	-14.6	397	101	Horizontal	9.00
16508.05	42.4	54	-11.6	263	205	Horizontal	11.90
17692.95	43.3	54	-10.7	141	162	Horizontal	13.00
17846.95	42.5	54	-11.5	166	137	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9920.45	53.3	74	-20.7	400	269	Vertical	-0.02
12177.05	52.5	74	-21.5	158	260	Vertical	3.33
14706.95	53.4	74	-20.6	383	92	Vertical	5.93
16508.05	56.2	74	-17.8	315	163	Vertical	8.06
17693.05	58.4	74	-15.6	230	225	Vertical	10.15
17847.05	58	74	-16	282	270	Vertical	10.66

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9920.45	43.1	54	-10.9	400	269	Vertical	-0.02
12177.05	38.6	54	-15.4	158	260	Vertical	3.33
14706.95	40	54	-14	383	92	Vertical	5.93
16508.05	42.5	54	-11.5	315	163	Vertical	8.06
17693.05	44.6	54	-9.4	230	225	Vertical	10.15
17847.05	44	54	-10	282	270	Vertical	10.66

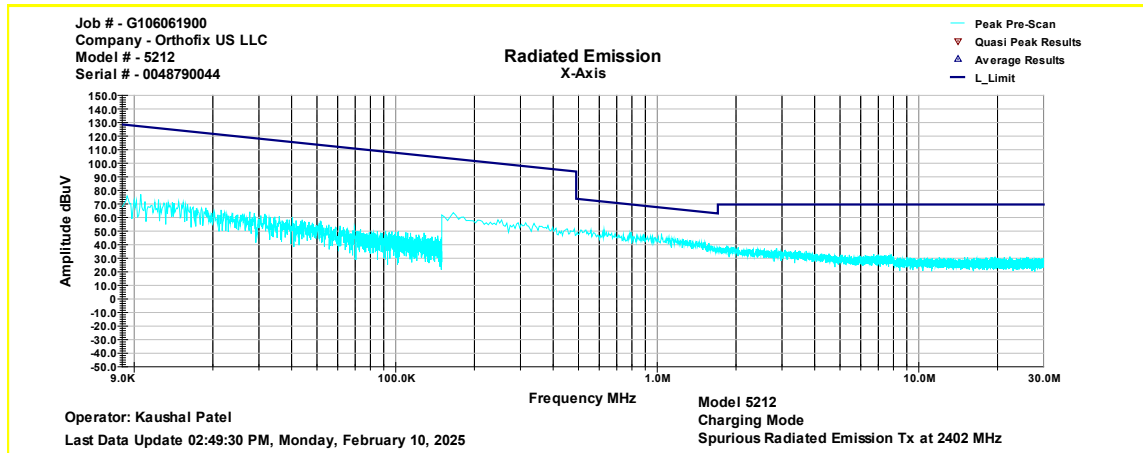
Note: Correction = AF + CF – Preamp

Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

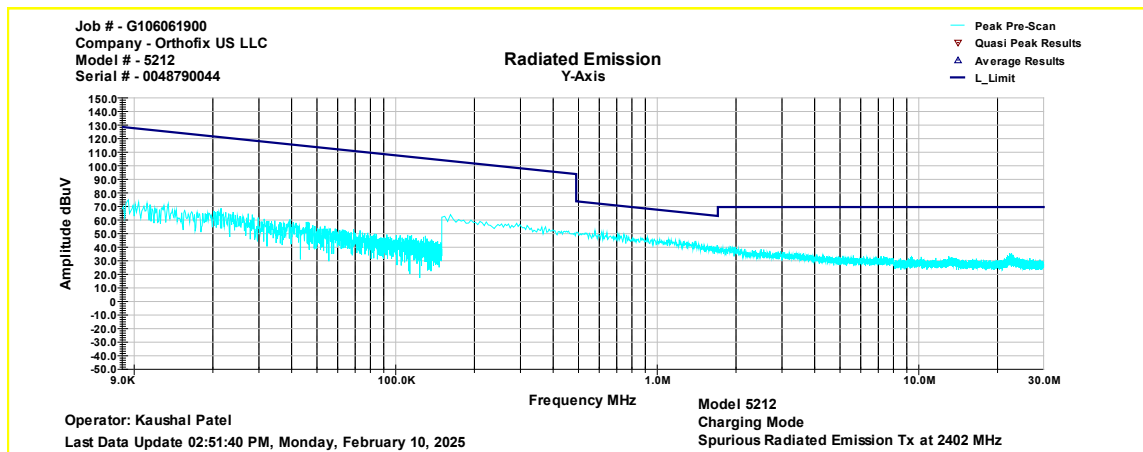
Charging Mode

Test Results: Part 15.209 Radiated Spurious Emissions Low Channel, Tx at 2402MHz

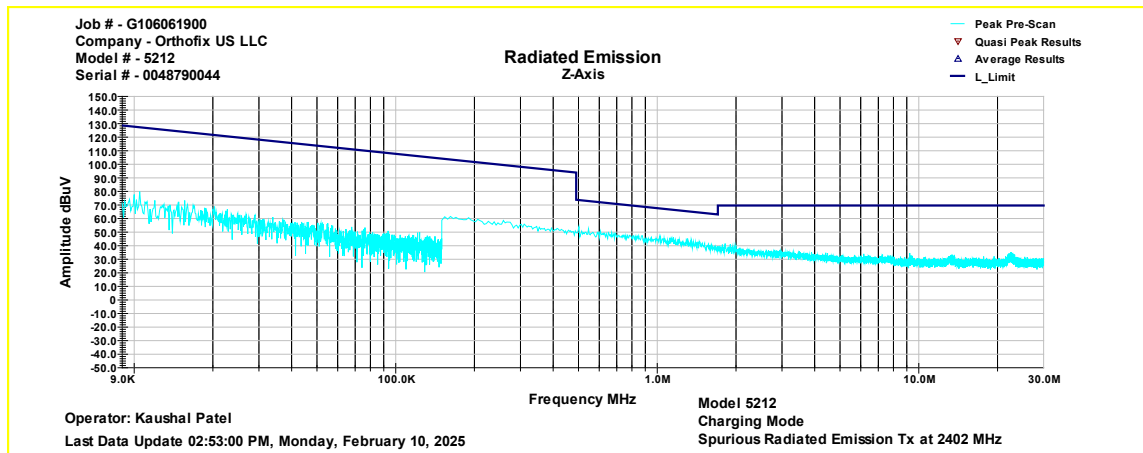
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



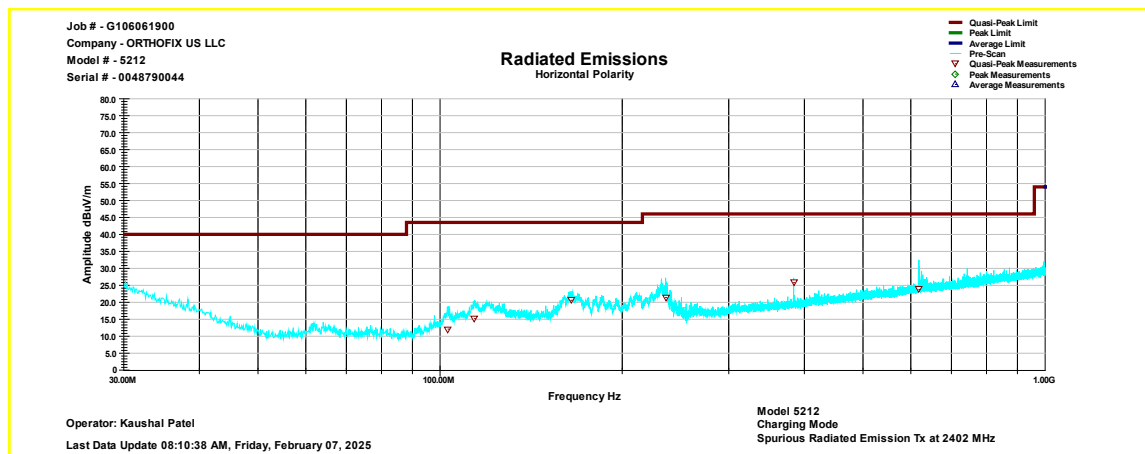
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



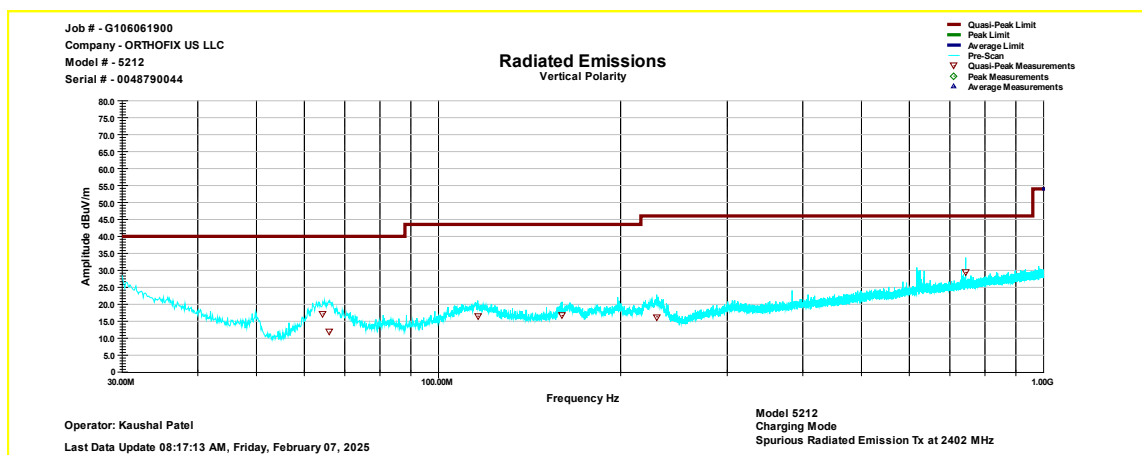
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
103.11	12.1	43.5	-31.4	166	188	Horizontal	-17
113.95	15.2	43.5	-28.4	149	203	Horizontal	-15.1
164.55	20.6	43.5	-22.9	123	176	Horizontal	-15.3
235.95	21.4	46	-24.6	115	55	Horizontal	-15.3
384.01	25.8	46	-20.2	249	56	Horizontal	-10.6
618.55	23.8	46	-22.2	149	112	Horizontal	-5.2

Note: Correction = AF + CF - Preamp

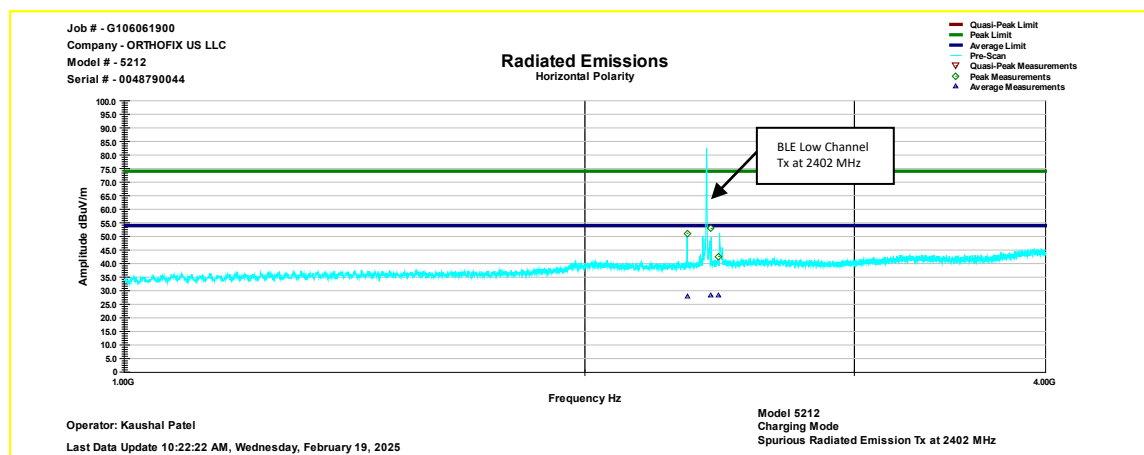
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
64.41	17.2	40	-22.8	100	94	Vertical	-20.40
66.05	11.8	40	-28.2	149	48	Vertical	-20.30
116.11	16.5	43.5	-27.1	105	91	Vertical	-14.80
160.01	16.7	43.5	-26.8	317	88	Vertical	-15.10
229.35	16.3	46	-29.7	249	277	Vertical	-15.70
743.55	29.4	46	-16.6	230	74	Vertical	-3.10

Note: Correction = AF + CF - Preamp

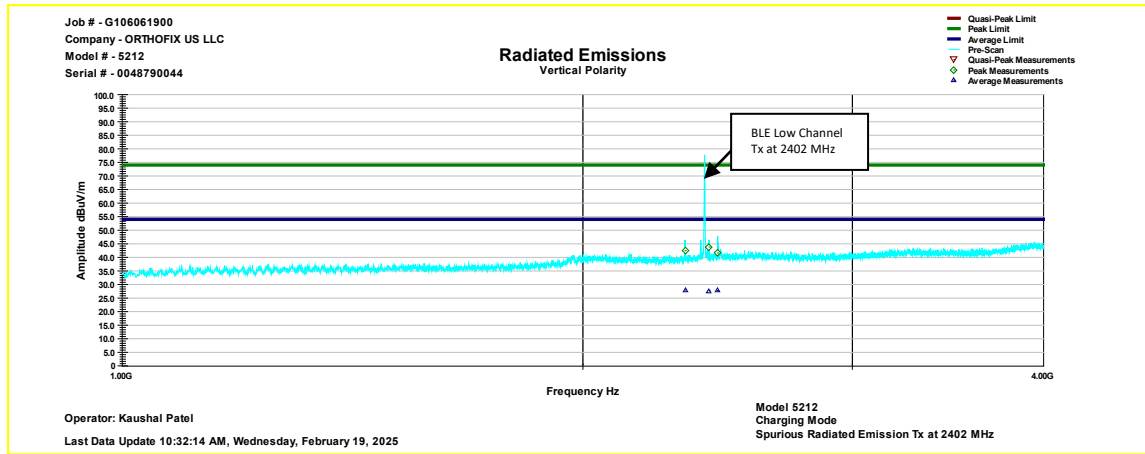
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2332.55	51.1	74	-22.9	333	289	Horizontal	-15.8
2418.55	52.9	74	-21.1	281	269	Horizontal	-15
2446.45	42.6	74	-31.4	137	212	Horizontal	-14.7

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2332.55	28.1	54	-25.9	333	289	Horizontal	-15.8
2418.55	28.2	54	-25.8	281	269	Horizontal	-15
2446.45	28.2	54	-25.8	137	212	Horizontal	-14.7

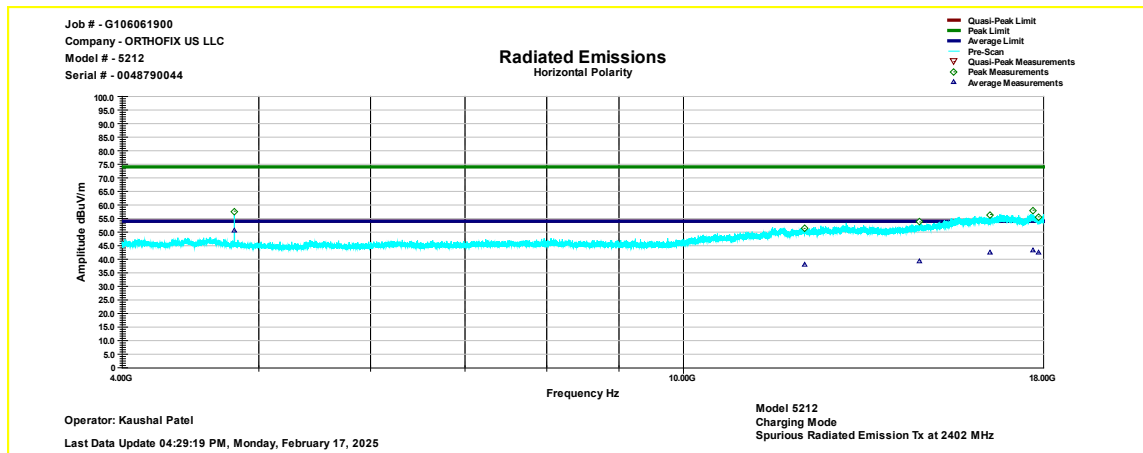
Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2332.55	42.5	74	-31.5	101	120	Vertical	-15.675
2418.55	43.8	74	-30.2	283	133	Vertical	-15.051
2449.45	41.6	74	-32.4	325	12	Vertical	-14.921

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2332.55	27.9	54	-26.1	101	120	Vertical	-15.675
2418.55	27.7	54	-26.3	283	133	Vertical	-15.051
2449.45	27.8	54	-26.2	325	12	Vertical	-14.921

Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

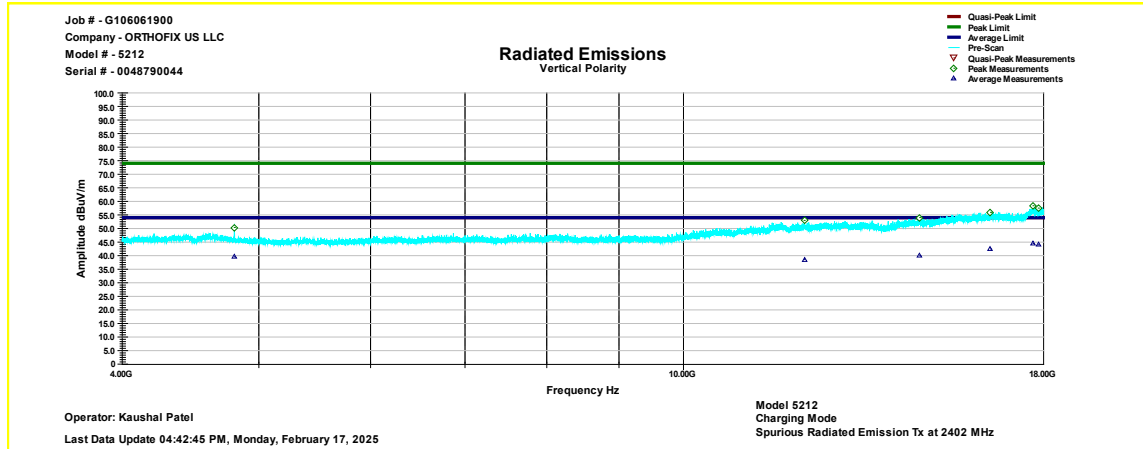
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	57.7	74	-16.3	149	287	Horizontal	4.40
12176.95	51.3	74	-22.7	250	247	Horizontal	6.00
14706.95	53.7	74	-20.3	400	261	Horizontal	9.00
16508.05	56.5	74	-17.5	100	226	Horizontal	11.90
17693.05	58	74	-16	154	305	Horizontal	13.00
17847.05	55.6	74	-18.4	267	201	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	50.4	54	-3.5	149	287	Horizontal	4.40
12176.95	38.2	54	-15.8	250	247	Horizontal	6.00
14706.95	39.4	54	-14.6	400	261	Horizontal	9.00
16508.05	42.3	54	-11.7	100	226	Horizontal	11.90
17693.05	43.1	54	-10.8	154	305	Horizontal	13.00
17847.05	42.4	54	-11.6	267	201	Horizontal	13.10

Note: Correction = AF + CF – Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	50.4	74	-23.6	115	30	Vertical	3.06
12176.95	53	74	-21	331	353	Vertical	3.33
14707.05	54	74	-20	316	117	Vertical	5.93
16507.95	55.9	74	-18.1	151	276	Vertical	8.06
17692.95	58.4	74	-15.6	346	134	Vertical	10.15
17847.05	57.5	74	-16.5	332	94	Vertical	10.66

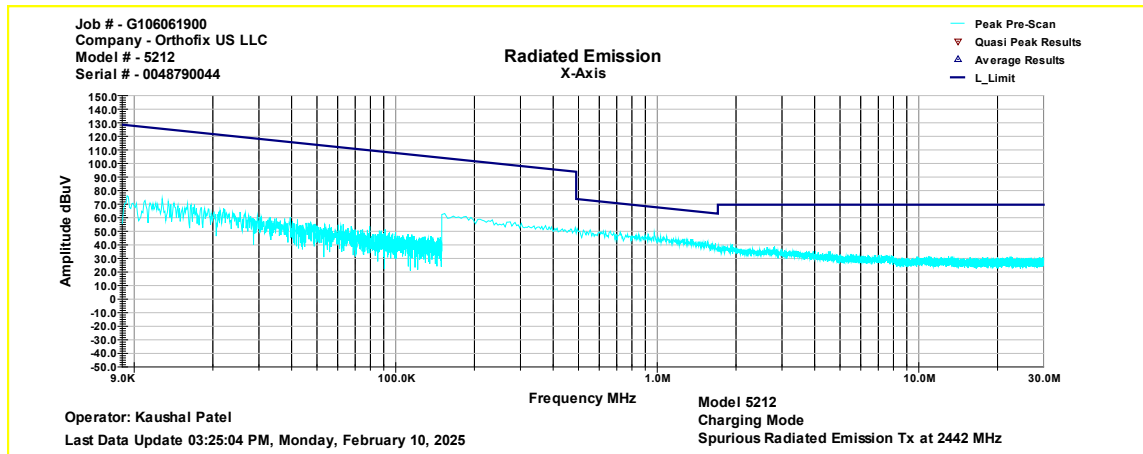
Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	39.6	54	-14.4	115	30	Vertical	3.06
12176.95	38.6	54	-15.4	331	353	Vertical	3.33
14707.05	40	54	-14	316	117	Vertical	5.93
16507.95	42.4	54	-11.5	151	276	Vertical	8.06
17692.95	44.4	54	-9.6	346	134	Vertical	10.15
17847.05	44	54	-10	332	94	Vertical	10.66

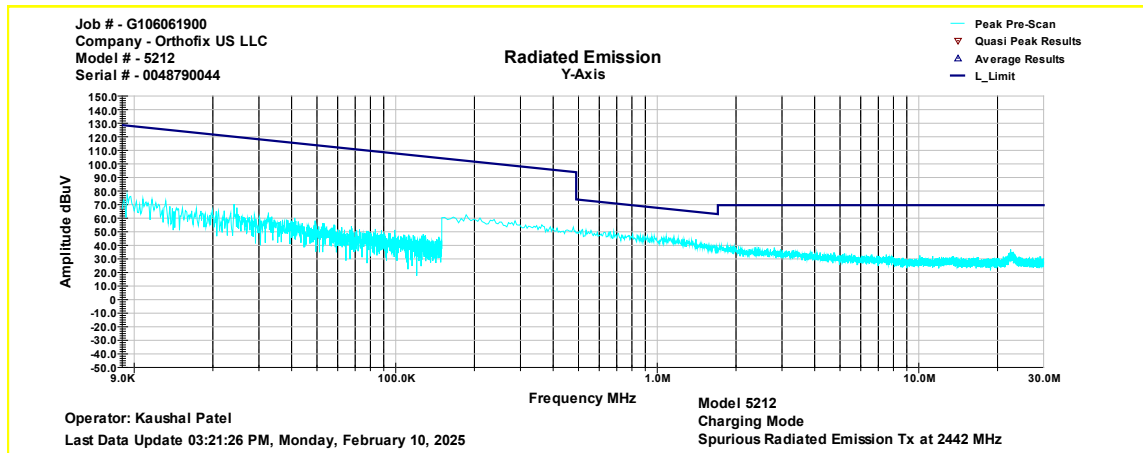
Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

Test Results: Part 15.209 Radiated Spurious Emissions Mid Channel, Tx at 2442MHz

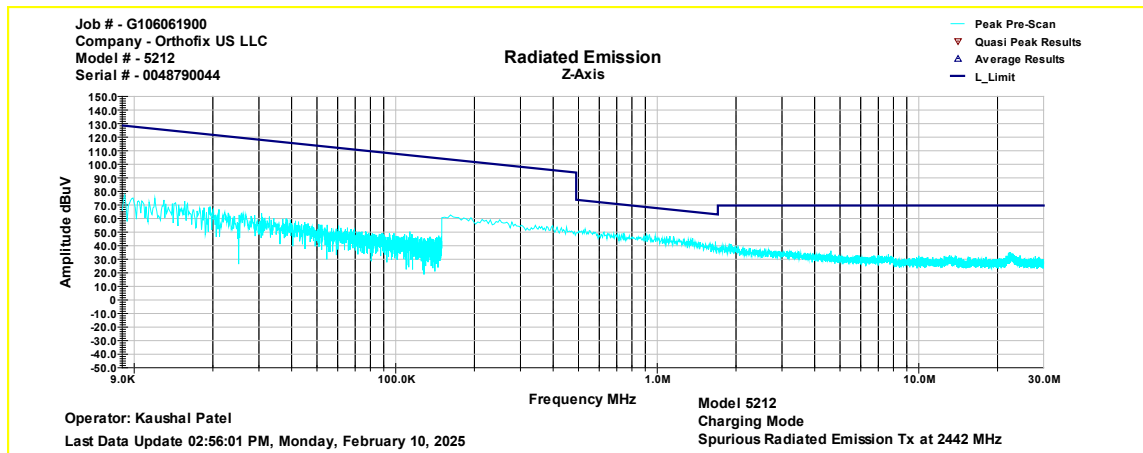
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



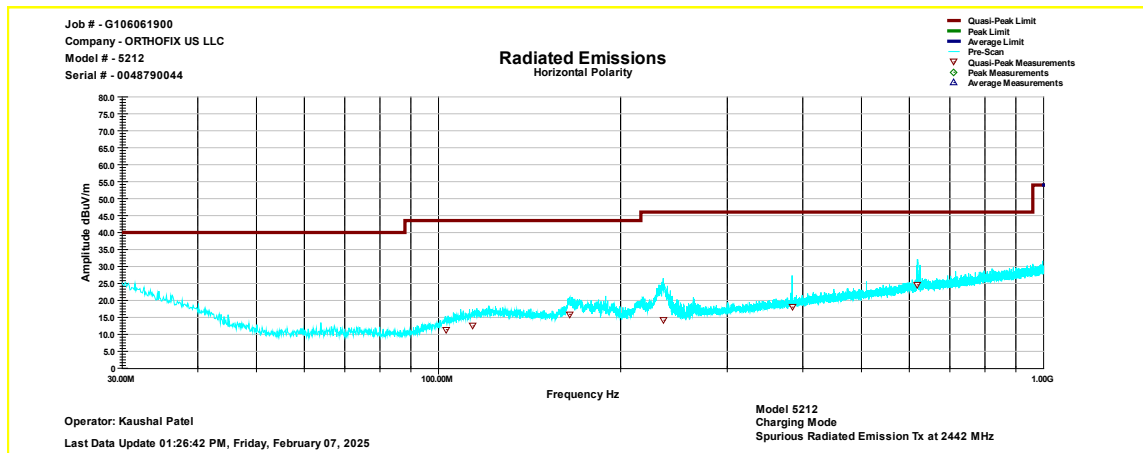
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



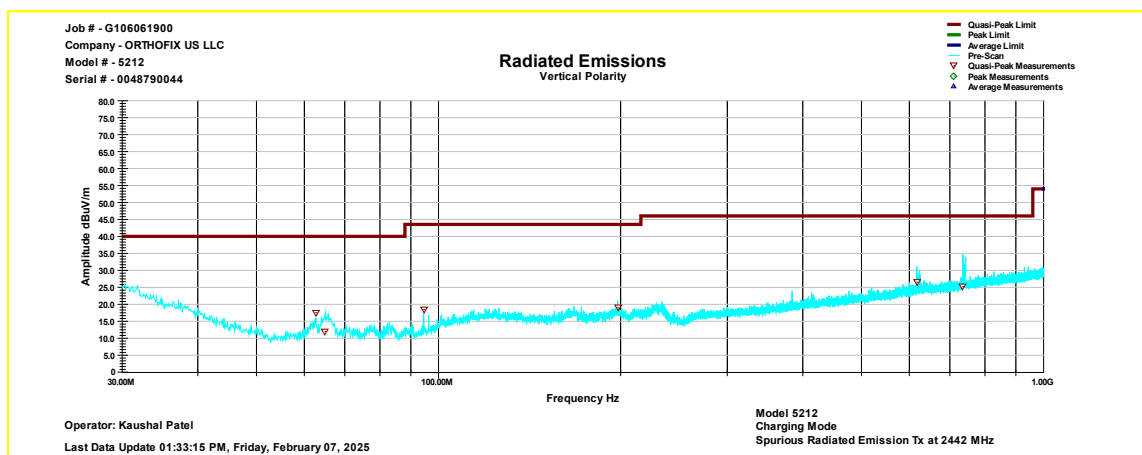
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
103.05	11.4	43.5	-32.1	153	181	Horizontal	-17
114.05	12.5	43.5	-31	131	22	Horizontal	-15
164.61	15.9	43.5	-27.6	149	198	Horizontal	-15.3
235.85	14.1	46	-31.9	109	35	Horizontal	-15.3
384.01	18	46	-28	347	59	Horizontal	-10.6
618.61	24.6	46	-21.4	350	320	Horizontal	-5.2

Note: Correction = AF + CF - Preamp

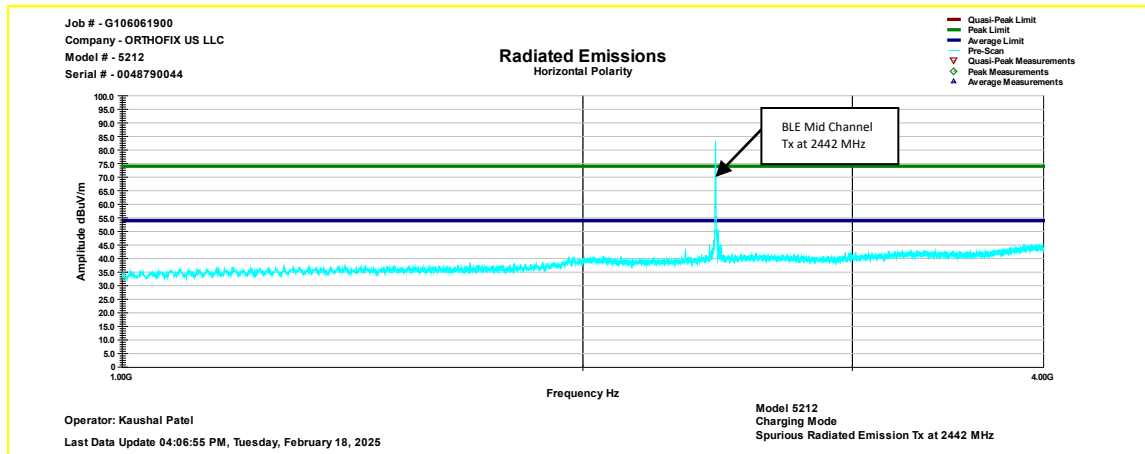
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



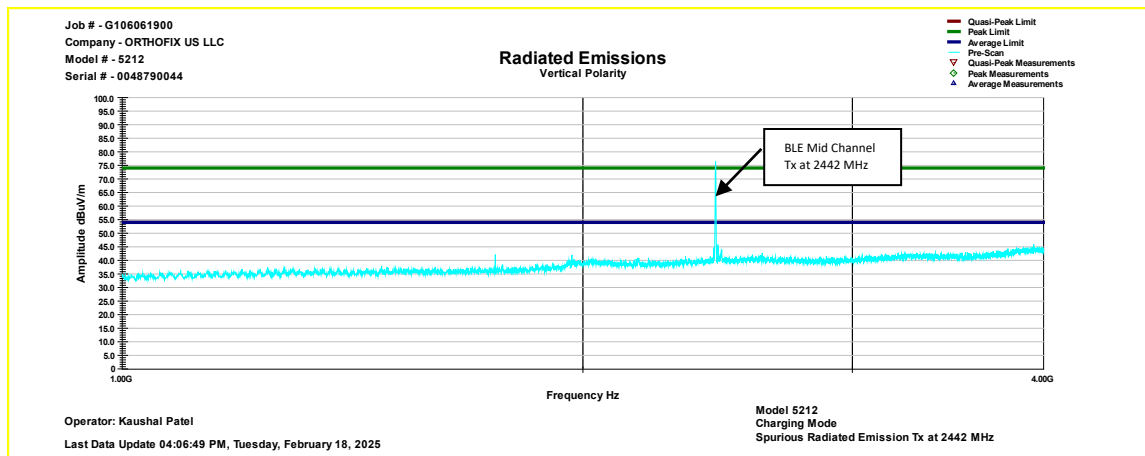
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
62.65	17.5	40	-22.5	101	291	Vertical	-20.6
64.95	12	40	-28	101	22	Vertical	-20.4
94.45	18.4	43.5	-25.1	102	256	Vertical	-19.5
197.81	19	43.5	-24.6	150	222	Vertical	-14.9
617.35	26.5	46	-19.5	130	274	Vertical	-5.2
734.85	25.2	46	-20.9	100	302	Vertical	-3.3

Note: Correction = AF + CF - Preamp

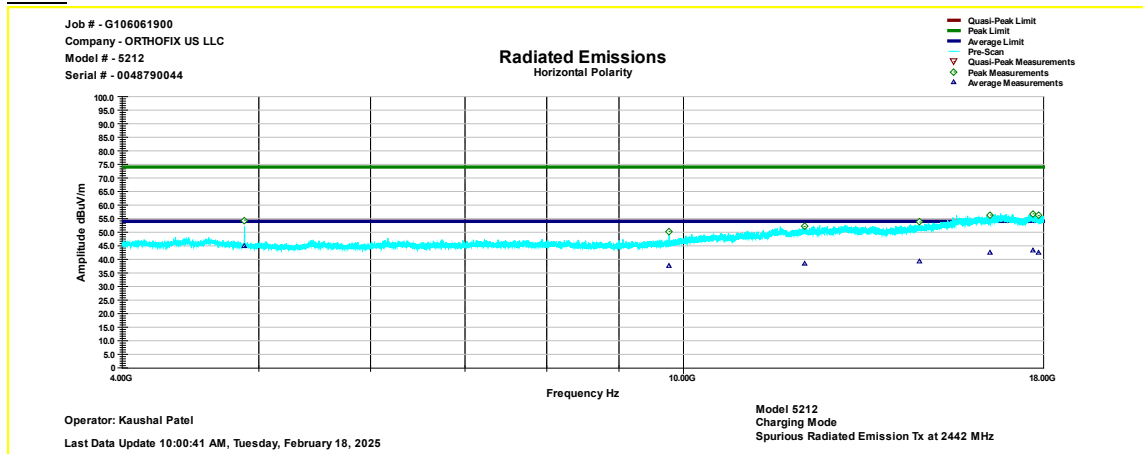
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

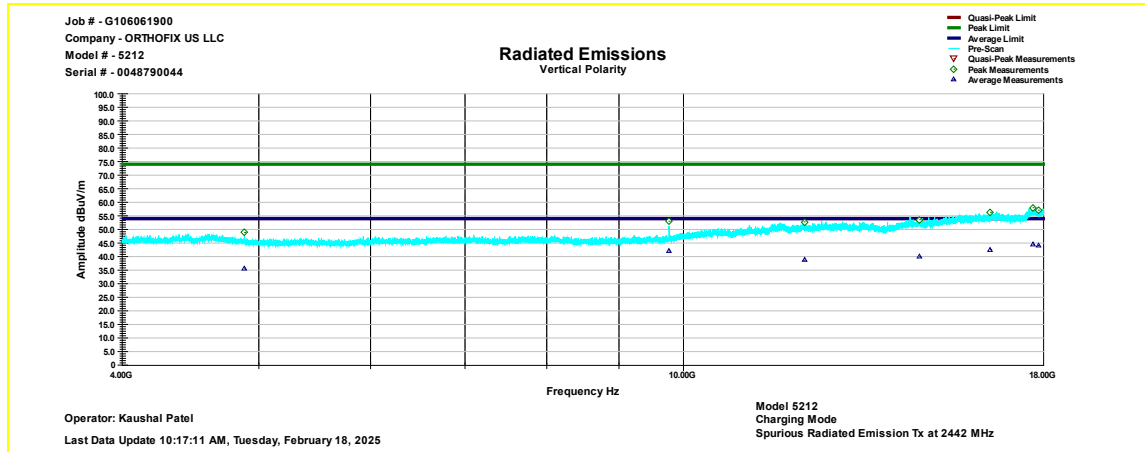
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.45	54.4	74	-19.6	149	280	Horizontal	3.70
9768.45	50.2	74	-23.8	232	273	Horizontal	1.80
12177.05	52.1	74	-21.9	377	255	Horizontal	6.00
14707.05	53.7	74	-20.3	389	255	Horizontal	9.00
16507.95	56.3	74	-17.7	344	24	Horizontal	11.90
17692.95	56.8	74	-17.2	100	120	Horizontal	13.00
17847.05	56.1	74	-17.9	376	323	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.45	44.7	54	-9.2	149	280	Horizontal	3.70
9768.45	37.6	54	-16.4	232	273	Horizontal	1.80
12177.05	38.2	54	-15.7	377	255	Horizontal	6.00
14707.05	39.4	54	-14.6	389	255	Horizontal	9.00
16507.95	42.4	54	-11.6	344	24	Horizontal	11.90
17692.95	43.2	54	-10.8	100	120	Horizontal	13.00
17847.05	42.5	54	-11.5	376	323	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.55	48.9	74	-25.1	344	300	Vertical	2.30
9767.25	53	74	-21	344	253	Vertical	-0.28
12176.95	52.8	74	-21.2	100	224	Vertical	3.33
14706.95	53.6	74	-20.4	230	30	Vertical	5.93
16507.95	56.3	74	-17.7	232	311	Vertical	8.06
17692.95	58	74	-16	383	194	Vertical	10.15
17846.95	57.1	74	-16.9	299	242	Vertical	10.66

Note: Correction = AF + CF - Preamp

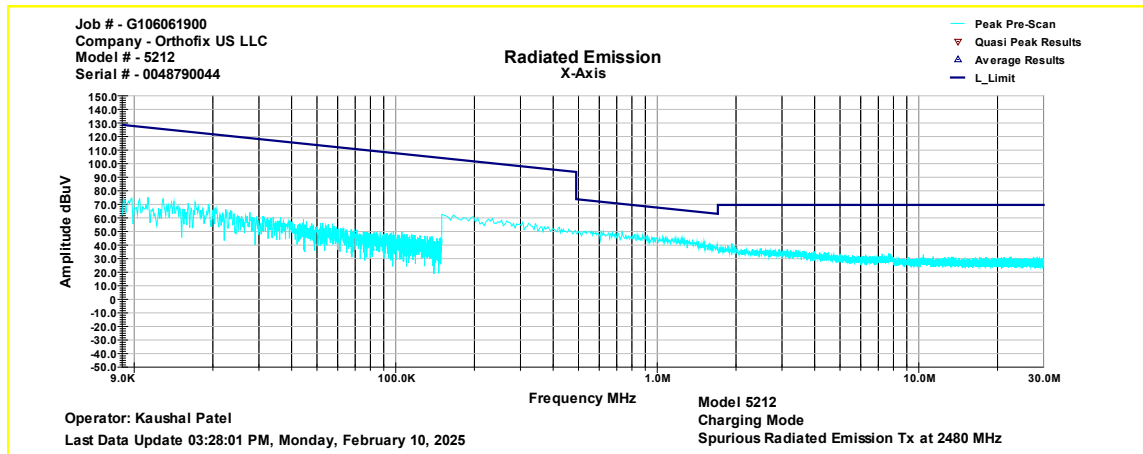
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4884.55	35.7	54	-18.3	344	300	Vertical	2.30
9767.25	42.1	54	-11.9	344	253	Vertical	-0.28
12176.95	38.7	54	-15.3	100	224	Vertical	3.33
14706.95	40	54	-14	230	30	Vertical	5.93
16507.95	42.5	54	-11.5	232	311	Vertical	8.06
17692.95	44.5	54	-9.4	383	194	Vertical	10.15
17846.95	44.1	54	-9.9	299	242	Vertical	10.66

Note: Correction = AF + CF - Preamp

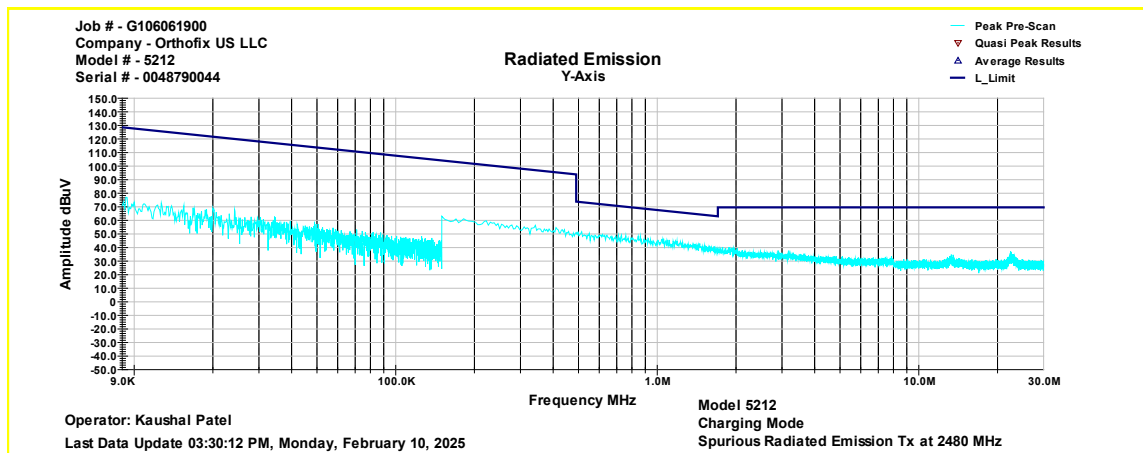
Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

Test Results: Part 15.209 Radiated Spurious Emissions High Channel, Tx at 2480MHz

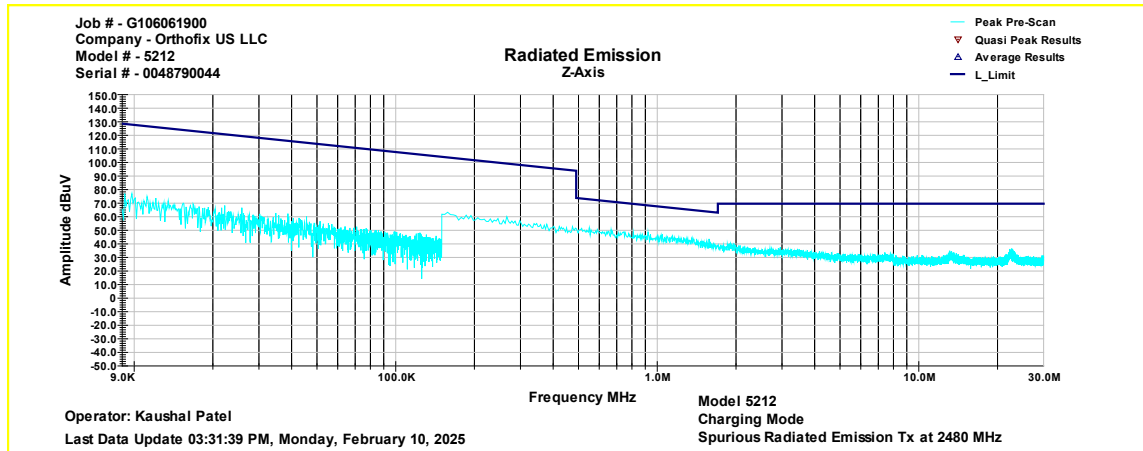
Radiated Spurious Emissions 9kHz - 30 MHz Parallel Antenna Polarization



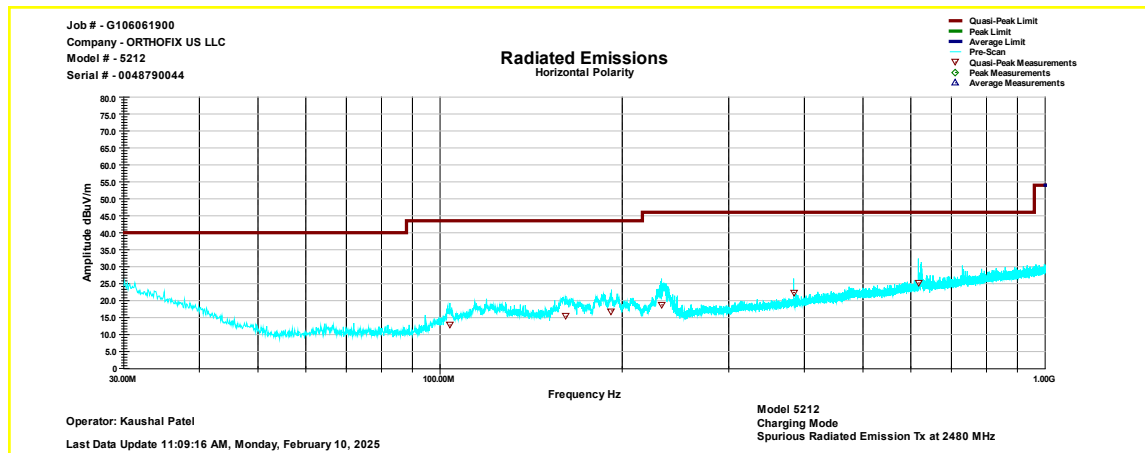
Radiated Spurious Emissions 9kHz - 30 MHz Perpendicular Antenna Polarization



Radiated Spurious Emissions 9kHz - 30 MHz Horizontal Antenna Polarization



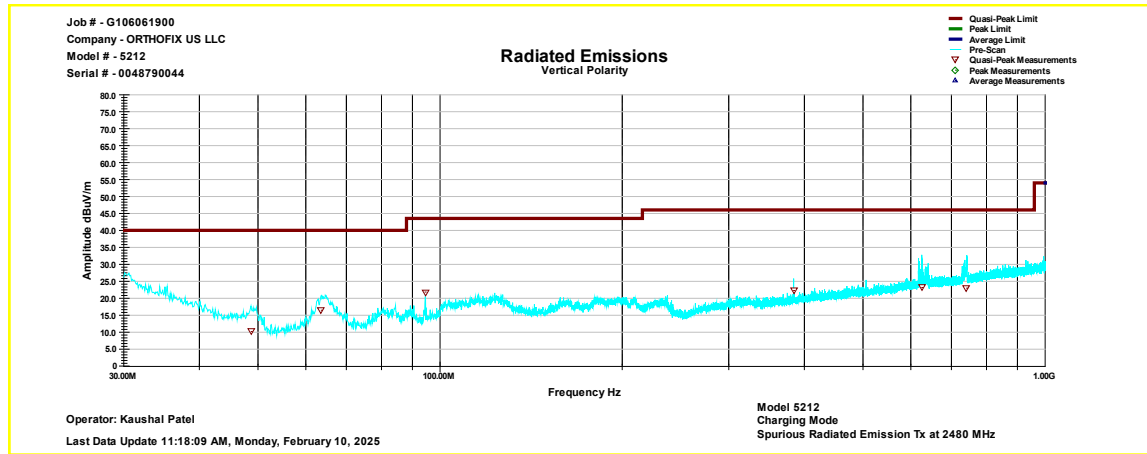
Radiated Spurious Emissions 30 MHz - 1000 MHz Horizontal Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
103.75	12.8	43.5	-30.7	247	305	Horizontal	-16.8
161.45	15.4	43.5	-28.1	149	319	Horizontal	-15.1
191.95	16.9	43.5	-26.6	109	133	Horizontal	-16
232.25	18.7	46	-27.3	149	55	Horizontal	-15.5
383.95	22.4	46	-23.6	249	22	Horizontal	-10.6
617.31	25.2	46	-20.8	149	113	Horizontal	-5.2

Note: Correction = AF + CF - Preamp

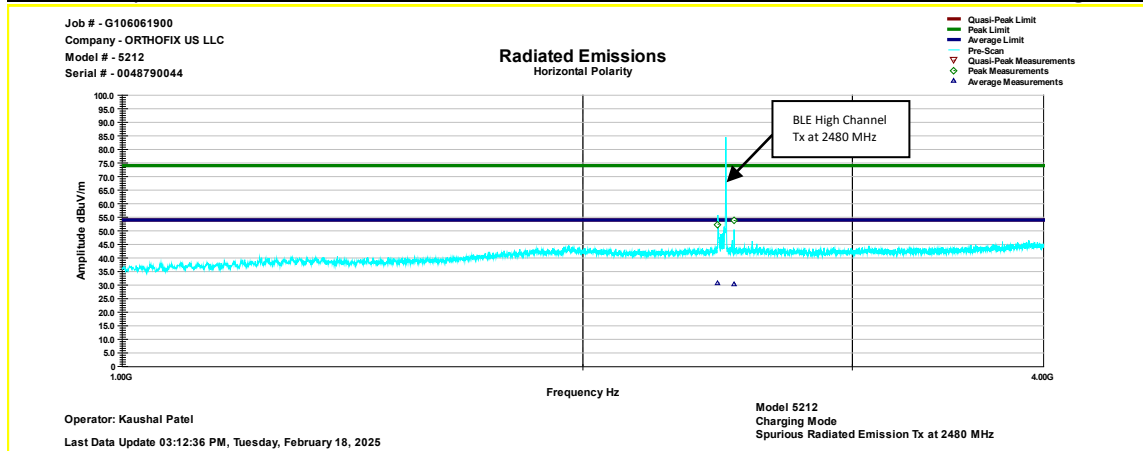
Radiated Spurious Emissions 30 MHz - 1000 MHz Vertical Antenna Polarization



Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
48.75	10.2	40	-29.8	150	275	Vertical	-19.5
63.65	16.5	40	-23.5	149	30	Vertical	-20.4
94.45	21.8	43.5	-21.7	123	302	Vertical	-19.5
384.01	22.3	46	-23.8	326	76	Vertical	-10.6
625.45	23.1	46	-22.9	250	278	Vertical	-5.1
741.91	23	46	-23.1	165	171	Vertical	-3.1

Note: Correction = AF + CF - Preamp

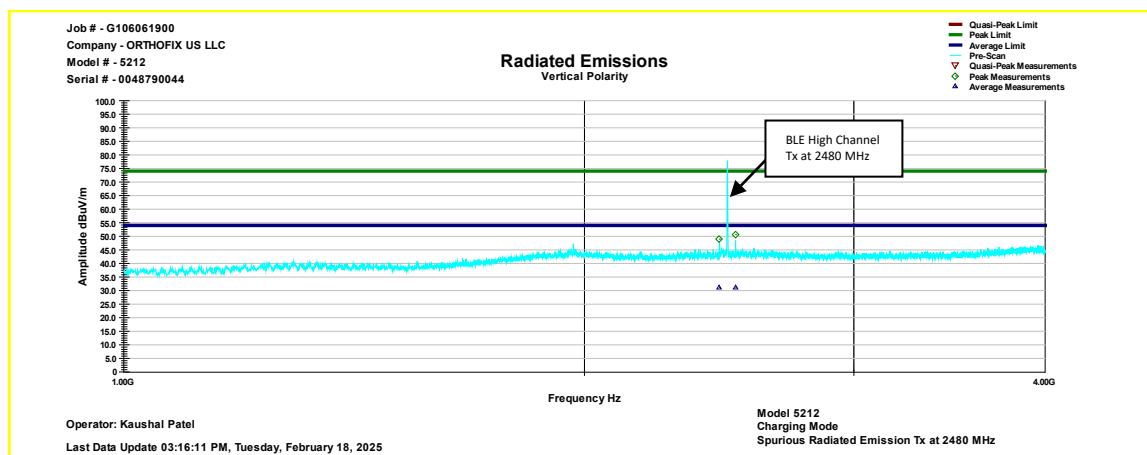
Radiated Spurious Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.95	49.8	74	-24.2	323	326	Horizontal	-14.7
2511.05	51.3	74	-22.7	215	17	Horizontal	-14.6

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.95	28.2	54	-25.8	323	326	Horizontal	-14.7
2511.05	27.9	54	-26.1	215	17	Horizontal	-14.6

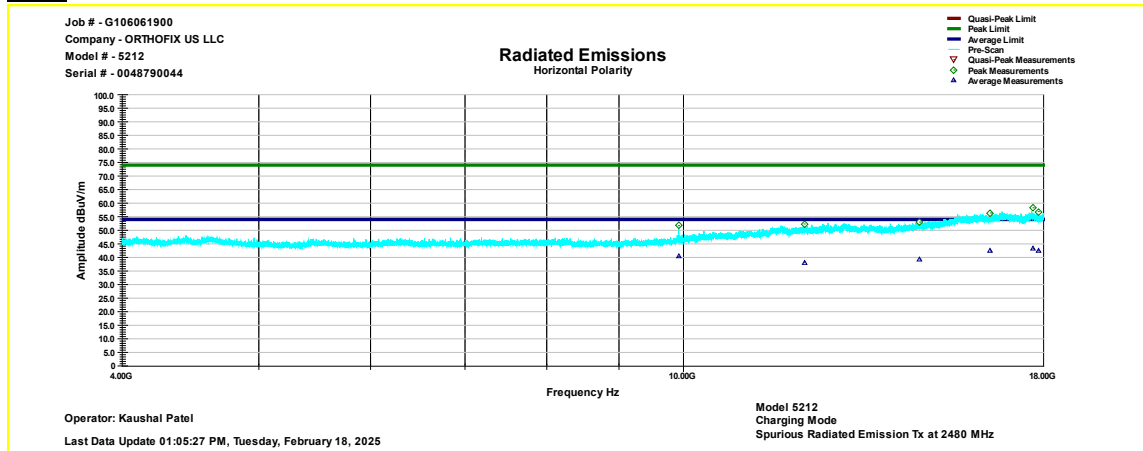
Radiated Spurious Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Freq. MHz	Pk@3m dB(uV/m)	Pk Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.45	45.7	74	-28.3	109	325	Vertical	-14.92
2511.05	47.2	74	-26.8	350	86	Vertical	-14.54

Freq. MHz	Avg@3m dB(uV/m)	Avg Limit dB(μV/m)	Margin dB	Height cm	Azimuth deg	Polarity	Correction dB
2450.45	27.9	54	-26.1	109	325	Vertical	-14.92
2511.05	27.9	54	-26.1	350	86	Vertical	-14.54

Radiated Spurious Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

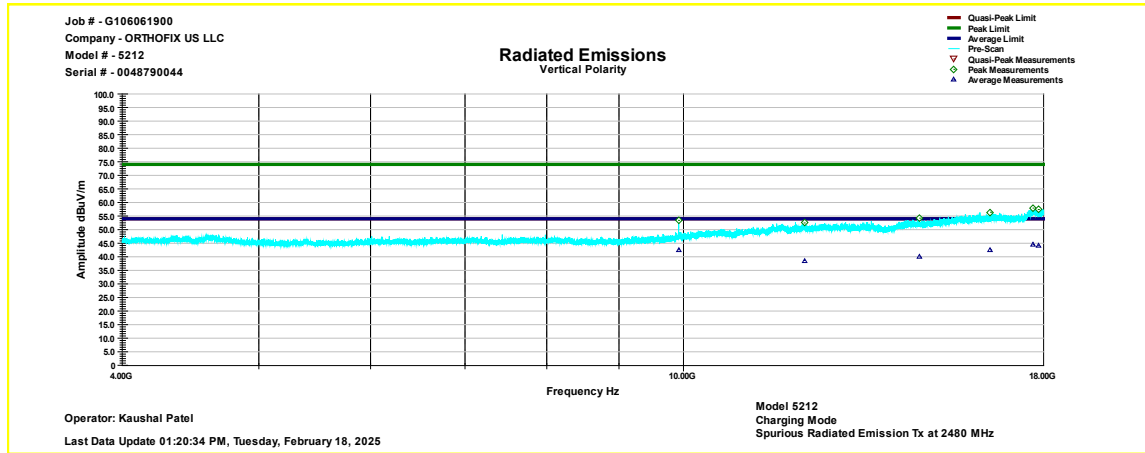
Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9919.25	51.7	74	-22.3	316	186	Horizontal	1.90
12177.05	52.3	74	-21.7	330	108	Horizontal	6.00
14707.05	53	74	-21	248	259	Horizontal	9.00
16507.95	56.4	74	-17.6	105	206	Horizontal	11.90
17693.05	58.3	74	-15.7	105	147	Horizontal	13.00
17847.05	56.9	74	-17.1	120	353	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9919.25	40.4	54	-13.6	316	186	Horizontal	1.90
12177.05	38.2	54	-15.8	330	108	Horizontal	6.00
14707.05	39.4	54	-14.6	248	259	Horizontal	9.00
16507.95	42.4	54	-11.6	105	206	Horizontal	11.90
17693.05	43.2	54	-10.7	105	147	Horizontal	13.00
17847.05	42.5	54	-11.5	120	353	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Spurious Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization vs Avg & Peak Limit



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Pk@ 3m (dBμV/m)	Lim. Pk @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9919.25	53.4	74	-20.6	104	121	Vertical	-0.03
12176.95	52.4	74	-21.6	254	41	Vertical	3.33
14707.05	54.2	74	-19.8	299	332	Vertical	5.93
16507.95	56.4	74	-17.6	394	67	Vertical	8.06
17693.05	57.9	74	-16.1	241	193	Vertical	10.15
17847.05	57.4	74	-16.6	250	117	Vertical	10.66

Note: Correction = AF + CF – Preamp

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
9919.25	42.6	54	-11.4	104	121	Vertical	-0.03
12176.95	38.6	54	-15.4	254	41	Vertical	3.33
14707.05	40	54	-14	299	332	Vertical	5.93
16507.95	42.5	54	-11.5	394	67	Vertical	8.06
17693.05	44.5	54	-9.5	241	193	Vertical	10.15
17847.05	44.1	54	-9.9	250	117	Vertical	10.66

Note: Correction = AF + CF – Preamp

Note: Radiated emission measurements were performed up to 25GHz. No Emissions were identified when scanned from 18-25 GHz

4.6 Radiated Emissions

FCC Ref: 15.109, ICES 003

4.6.1 Requirement

Limits for Electromagnetic Radiated Emissions FCC Section 15.109(b), ICES 003*, RSS GEN

Frequency (MHz)	Class A at 10m dB(μV/m)	Class B at 3m dB(μV/m)
30-88	39	40.0
88-216	43.5	43.5
216-960	46.4	46.0
Above 960	49.5	54.0

* According to FCC Part 15.109(g) an alternative to the radiated emission limits shown above, digital devices may be shown to comply with the limit of CISPR Pub. 22

4.6.2 Procedures

Measurements are conducted with a quasi-peak detector instrument in the frequency range of 30 MHz to 1000 MHz and with the average detector instrument in the frequency range above 1000 MHz. The measuring receiver meets the requirements of Section One of CISPR 16 and the measuring antenna correlates to a balanced dipole.

Measurements of the radiated field are made with the antenna located at a distance of 3 meters from the EUT. If the field-strength measurements at 3m cannot be made because of high ambient noise level or for other reasons, measurements of Class B equipment may be made at a closer distance, for example 1m. An inverse proportionality factor of 20 dB per decade should be used to normalize the measured data to the specified distance for determining compliance.

The antenna is adjusted between 1m and 4m in height above the ground plane for maximum meter reading at each test frequency.

The antenna-to-EUT azimuth is varied during the measurement to find the maximum field-strength readings.

The antenna-to-EUT polarization (horizontal and vertical) is varied during the measurements to find the maximum field-strength readings.

The EUT, where intended for tabletop use, is placed on a table whose top is 0.8m above the ground plane. The table is constructed of non-conductive materials. Its dimensions are 1m by 1.5m, but may be extended for a larger EUT.

Floor standing EUT are placed on a horizontal metal ground plane and isolated from the ground plane by resting on an insulating material.

Equipment setup for radiated disturbance tests followed the guidelines of ANSI C63.4. The Duty Cycle for the BLE Transmitter is >98 % for the testing.

Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place. A preamp was used from 30MHz to 18 GHz.

All measurements were made with a Peak Detector and compared to QP limits for 30MHz – 1GHz and Average limits for 1GHz – 18 GHz.

Data is included of the worst-case configuration (the configuration which resulted in the highest emission levels).

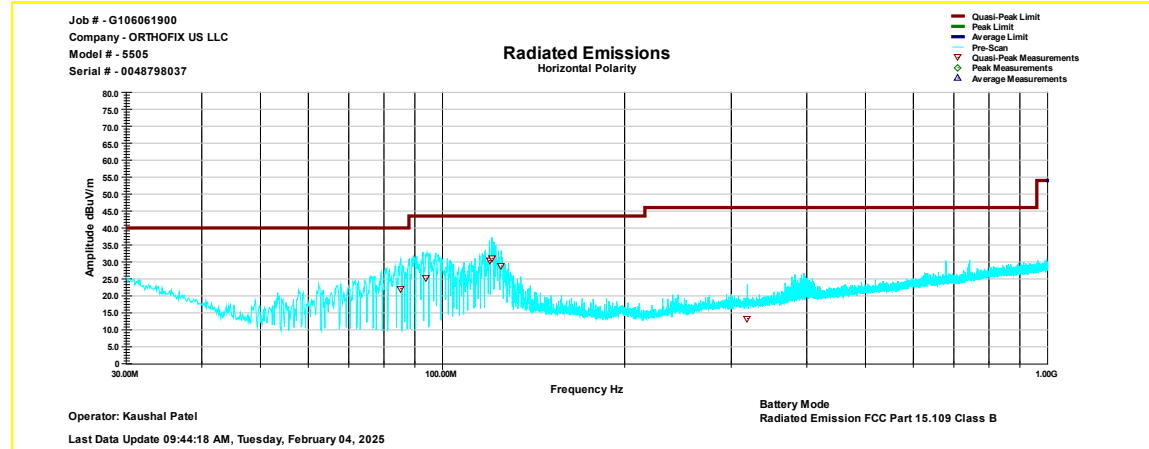
4.6.3 Test Results

Tested By	Test Date	Results
Kaushal Patel	January 31, 2025 To February 24, 2025	Complies

Model 5505

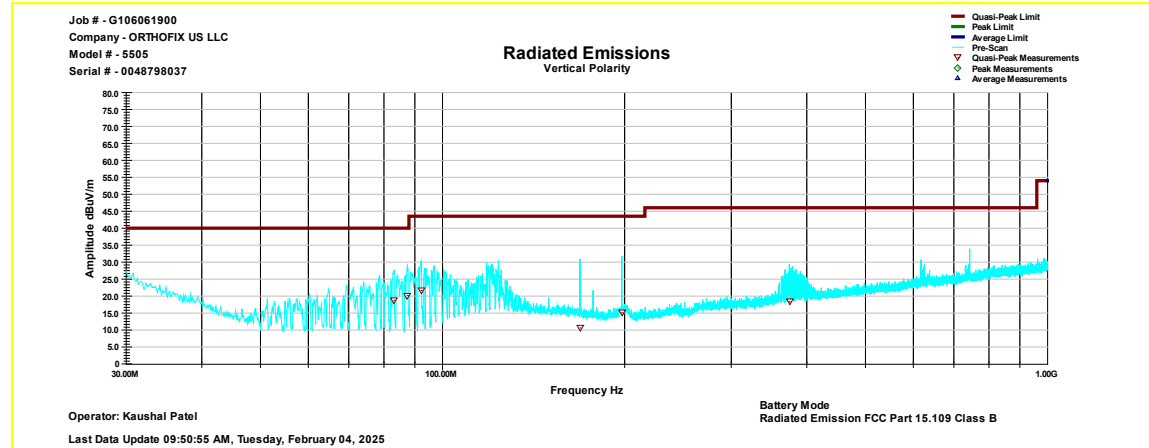
Battery Mode

Test Result Radiated Emission 30 MHz-1000 MHz Horizontal Antenna Polarization



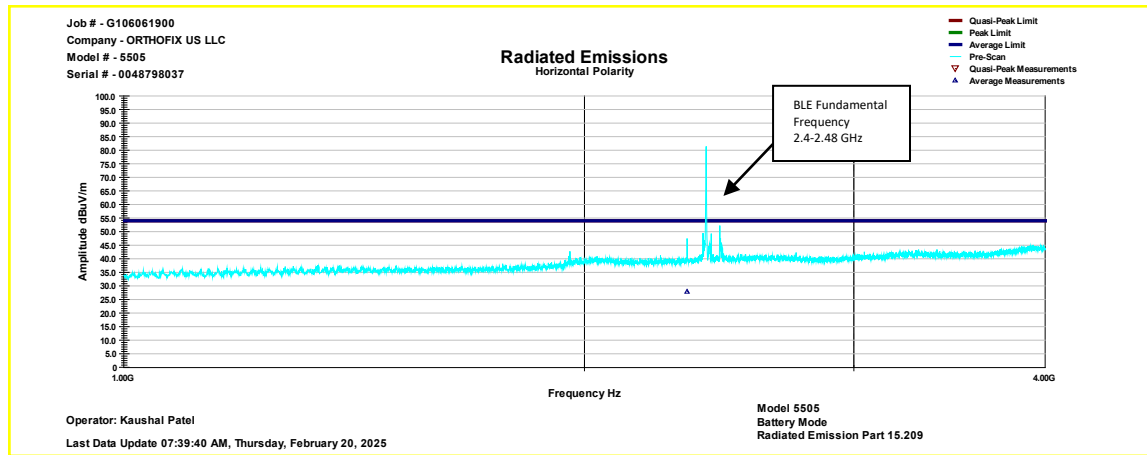
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
85.25	22.1	40	-17.9	344	202	Horizontal	-20.8
93.95	25.2	43.5	-18.4	159	187	Horizontal	-19.6
119.51	30.4	43.5	-13.1	101	187	Horizontal	-14.4
120.71	31.1	43.5	-12.5	207	185	Horizontal	-14.3
125.01	28.8	43.5	-14.7	222	181	Horizontal	-14.3
319.01	13.3	46	-32.7	270	292	Horizontal	-12.4

Test Result Radiated Emission 30 MHz-1000 MHz Vertical Antenna Polarization



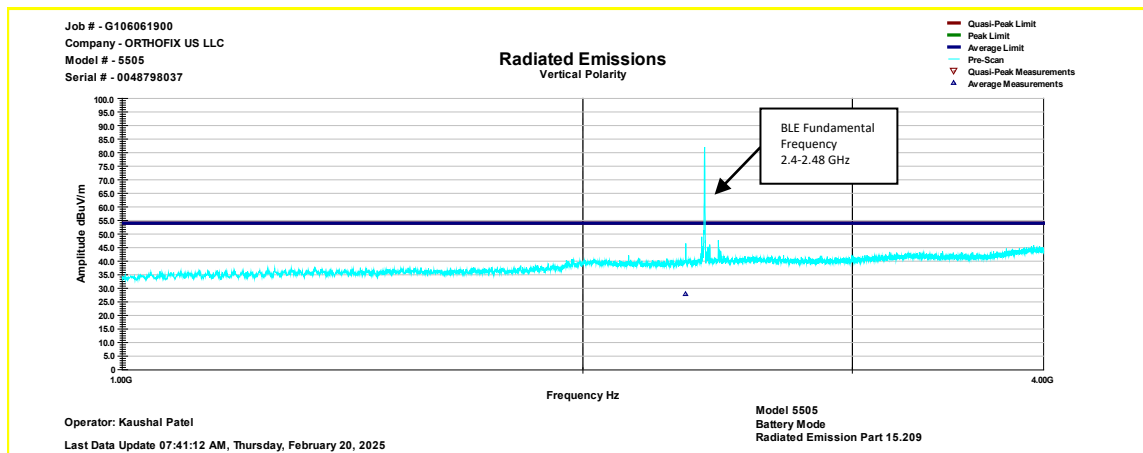
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
83.11	18.7	40	-21.3	347	268	Vertical	-20.7
87.45	20.1	40	-19.9	350	266	Vertical	-20.7
92.15	21.6	43.5	-21.9	332	269	Vertical	-20
168.71	10.6	43.5	-32.9	250	165	Vertical	-15.6
197.85	15.1	43.5	-28.5	100	223	Vertical	-14.9
374.25	18.3	46	-27.7	132	37	Vertical	-10.9

Radiated Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization



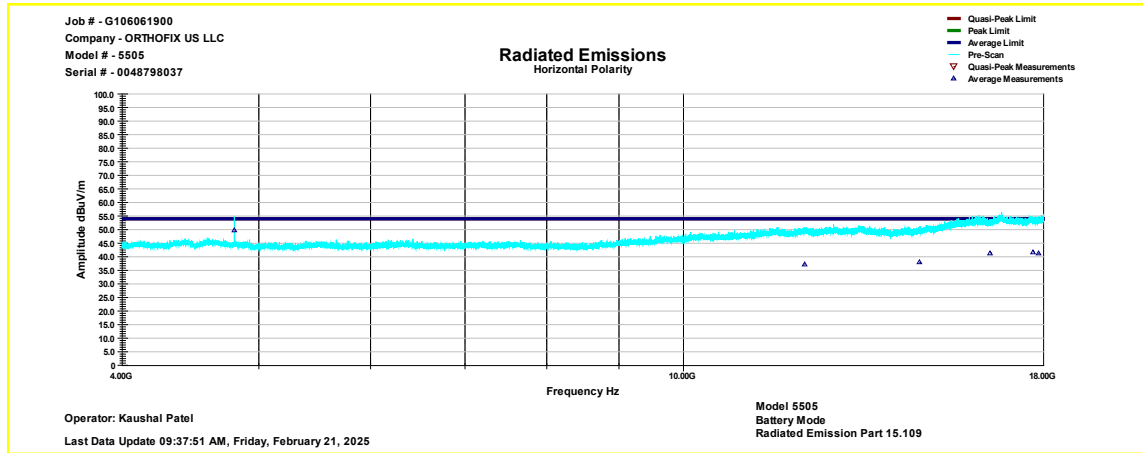
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2333.95	28	54	-26	149	177	Horizontal	-15.7

Radiated Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization



Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2333.05	27.8	54	-26.1	350	16	Vertical	-15.7

Radiated Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization

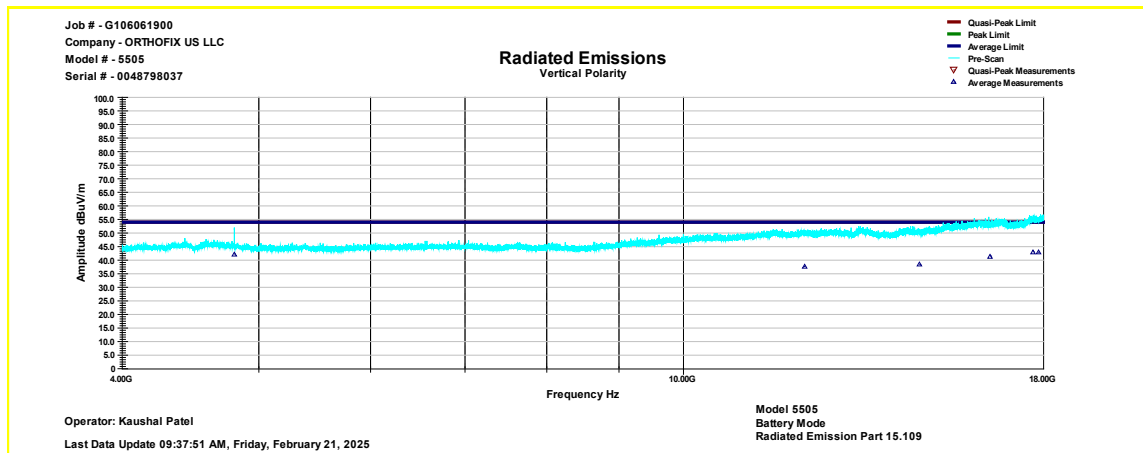


Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	49.8	54	-4.2	100	330	Horizontal	3.6
12177.05	37.3	54	-16.7	100	117	Horizontal	5.2
14706.95	37.9	54	-16.1	328	133	Horizontal	10.5
16507.95	41.4	54	-12.6	376	245	Horizontal	11.6
17693.05	41.8	54	-12.2	251	293	Horizontal	11.9
17846.95	41.3	54	-12.7	155	302	Horizontal	13.1

Note: Correction = AF + CF - Preamp

Radiated Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization



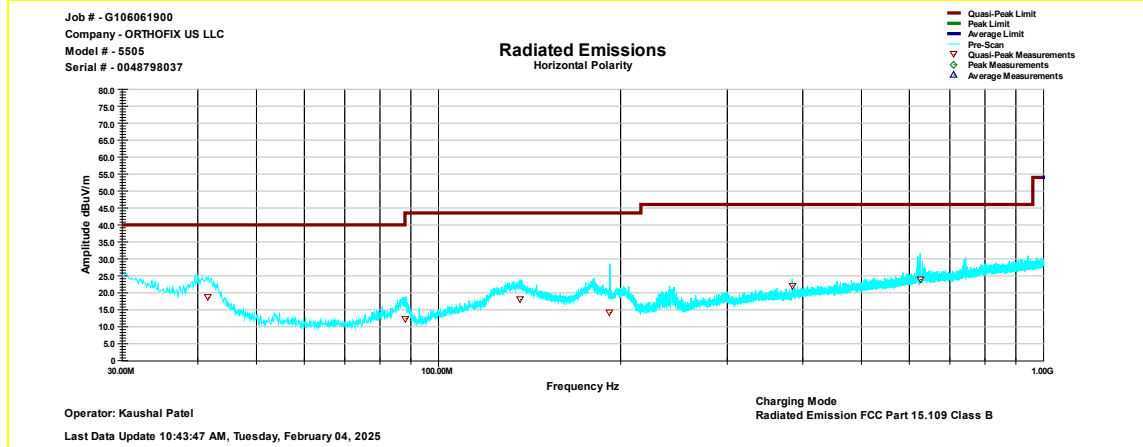
Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.45	42.3	54	-11.7	307	163	Vertical	3.05
12177.05	37.7	54	-16.3	100	147	Vertical	3.33
14707.05	38.4	54	-15.6	342	303	Vertical	5.93
16507.95	41.5	54	-12.5	400	240	Vertical	8.06
17692.95	43.1	54	-10.9	155	79	Vertical	10.15
17847.05	42.9	54	-11.1	374	317	Vertical	10.66

Note: Correction = AF + CF - Preamp

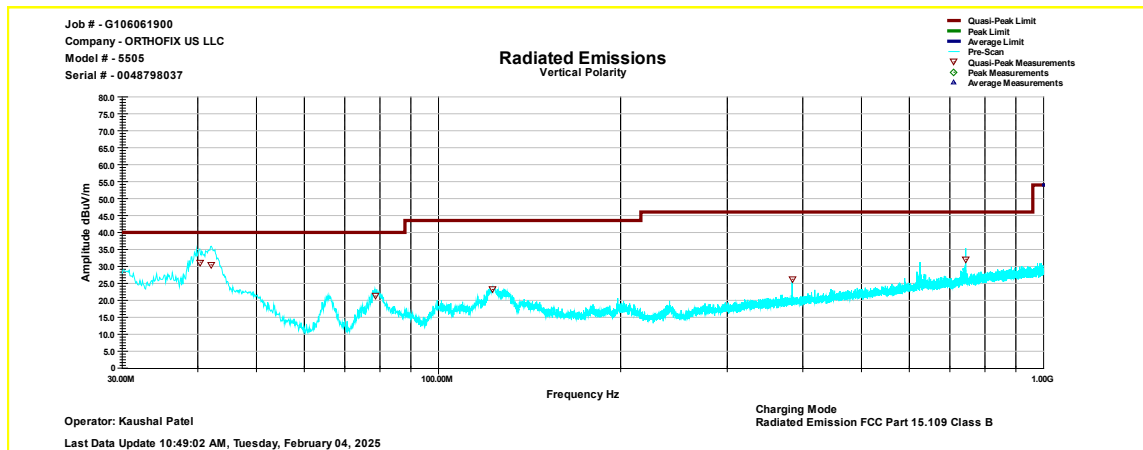
Charging Mode

Test Result Radiated Emission 30 MHz-1000 MHz Horizontal Antenna Polarization



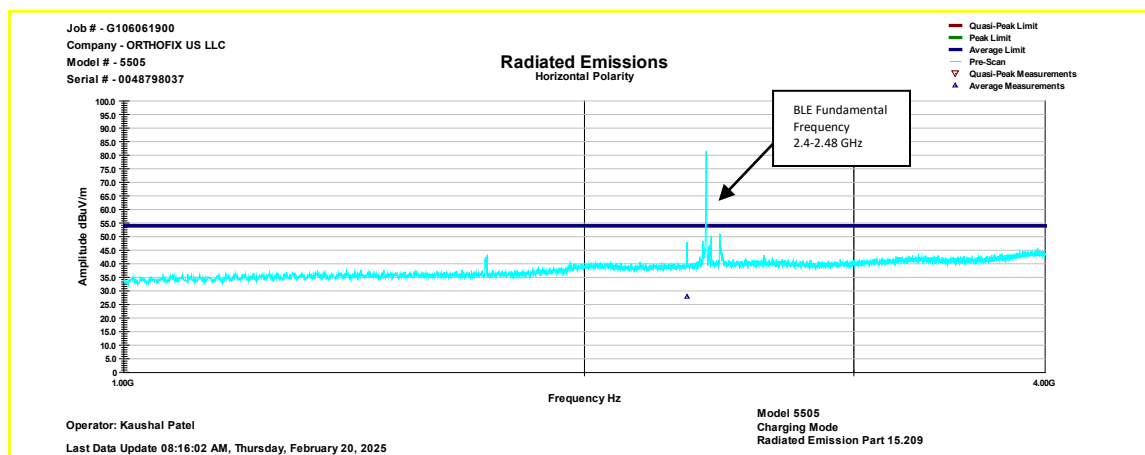
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
41.61	18.6	40	-21.4	249	322	Horizontal	-15.2
88.25	12.4	43.5	-31.2	344	141	Horizontal	-20.7
136.55	18	43.5	-25.5	165	19	Horizontal	-14.6
191.95	14.2	43.5	-29.3	166	9	Horizontal	-16
384.01	22	46	-24	332	19	Horizontal	-10.6
625.31	23.9	46	-22.1	149	57	Horizontal	-5.1

Test Result Radiated Emission 30 MHz-1000 MHz Vertical Antenna Polarization



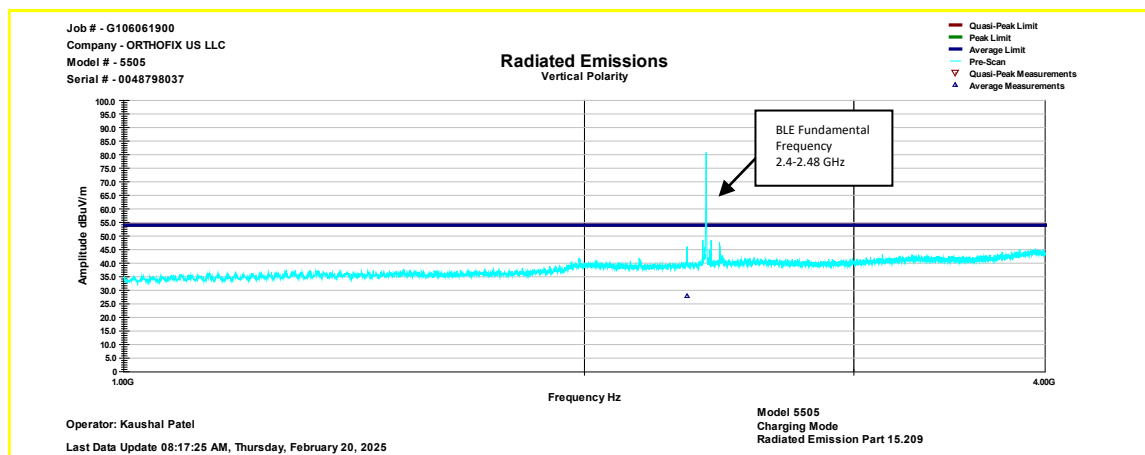
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
40.35	31.2	40	-8.8	100	97	Vertical	-14.3
42.05	30.4	40	-9.6	100	144	Vertical	-15.5
78.51	21.2	40	-18.8	150	23	Vertical	-20.5
122.75	23.2	43.5	-20.3	100	85	Vertical	-14.3
384.01	26.2	46	-19.8	105	171	Vertical	-10.6
743.61	32.1	46	-13.9	129	70	Vertical	-3.1

Radiated Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization



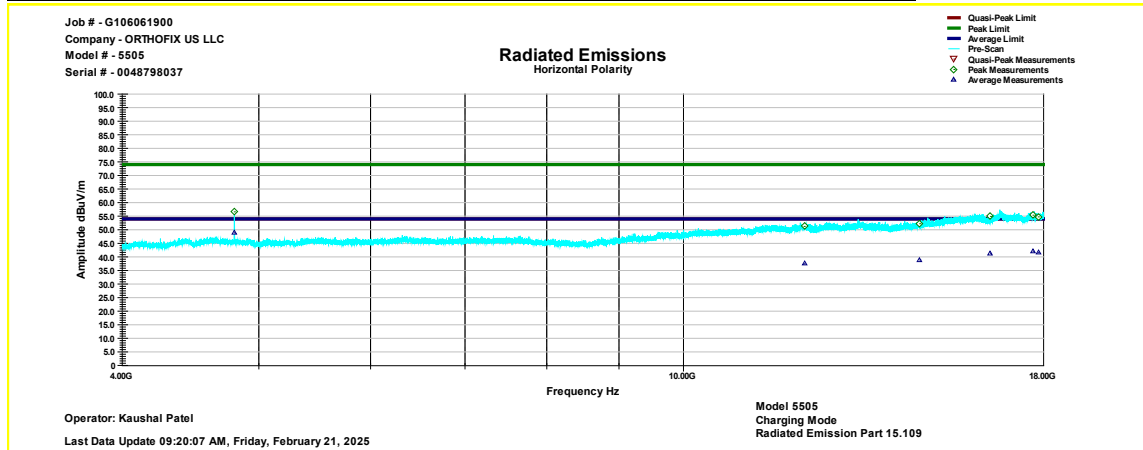
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2334.05	27.9	54	-26.1	194	154	Horizontal	-15.7

Radiated Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization



Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2334.05	27.9	54	-26.1	294	281	Vertical	-15.7

Radiated Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization

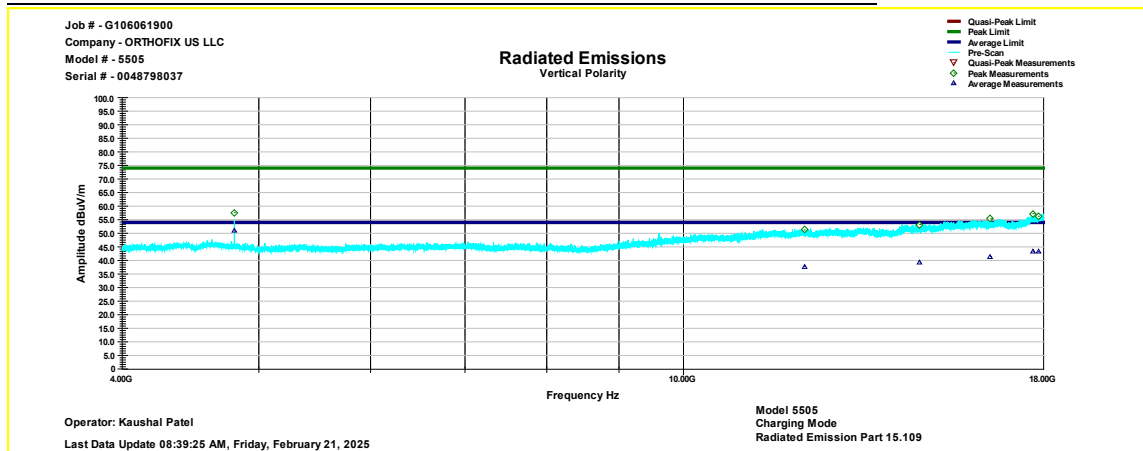


Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.45	48.9	54	-5.1	326	18	Horizontal	4.40
12177.05	37.4	54	-16.6	397	134	Horizontal	6.00
14706.95	38.8	54	-15.1	341	326	Horizontal	9.00
16507.95	41.3	54	-12.7	397	215	Horizontal	11.90
17693.05	42	54	-11.9	100	289	Horizontal	13.00
17846.95	41.5	54	-12.4	383	251	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

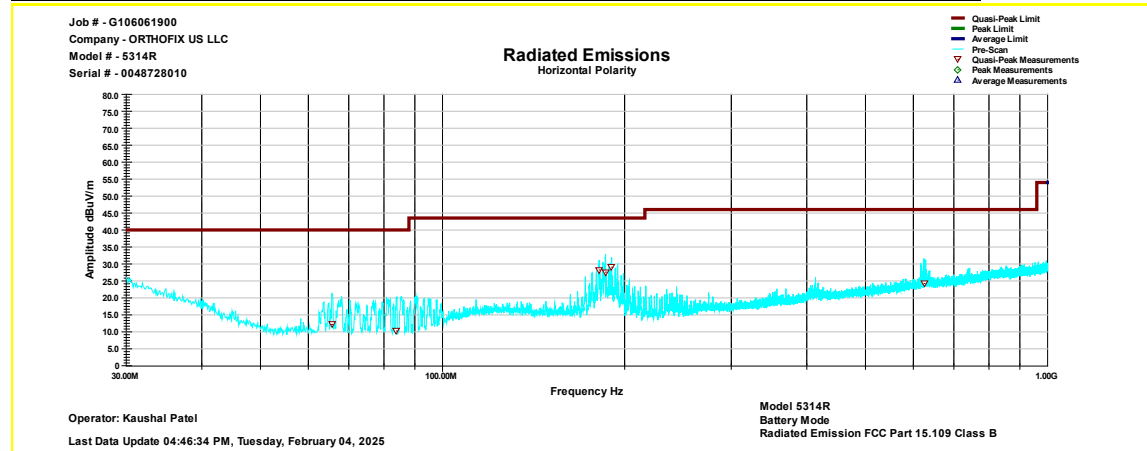
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	50.9	54	-3.1	294	103	Vertical	3.06
12177.05	37.8	54	-16.2	394	270	Vertical	3.33
14706.95	39.4	54	-14.5	350	102	Vertical	5.93
16507.95	41.4	54	-12.6	344	314	Vertical	8.06
17692.95	43.3	54	-10.7	356	231	Vertical	10.15
17846.95	43.1	54	-10.8	165	81	Vertical	10.66

Note: Correction = AF + CF - Preamp

Model 5314R

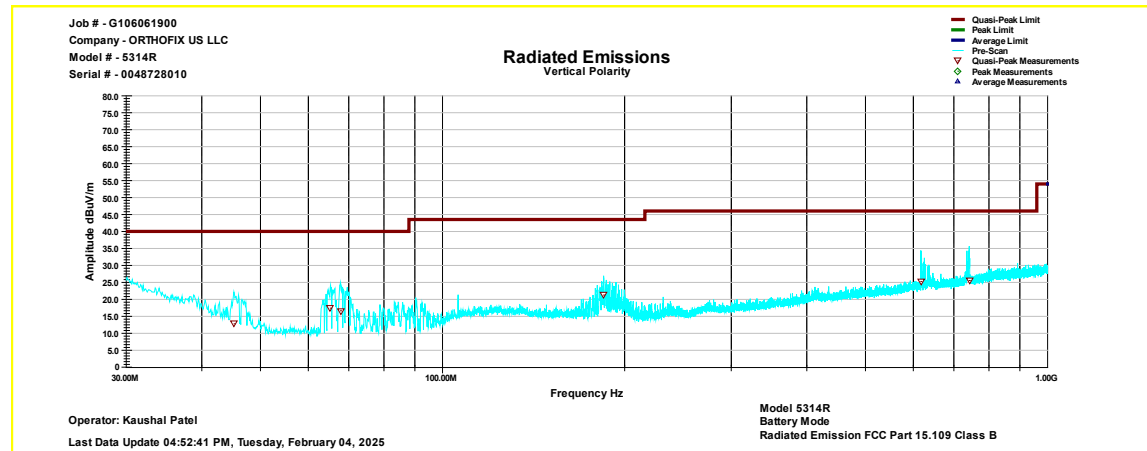
Battery Mode

Test Result Radiated Emission 30 MHz-1000 MHz Horizontal Antenna Polarization



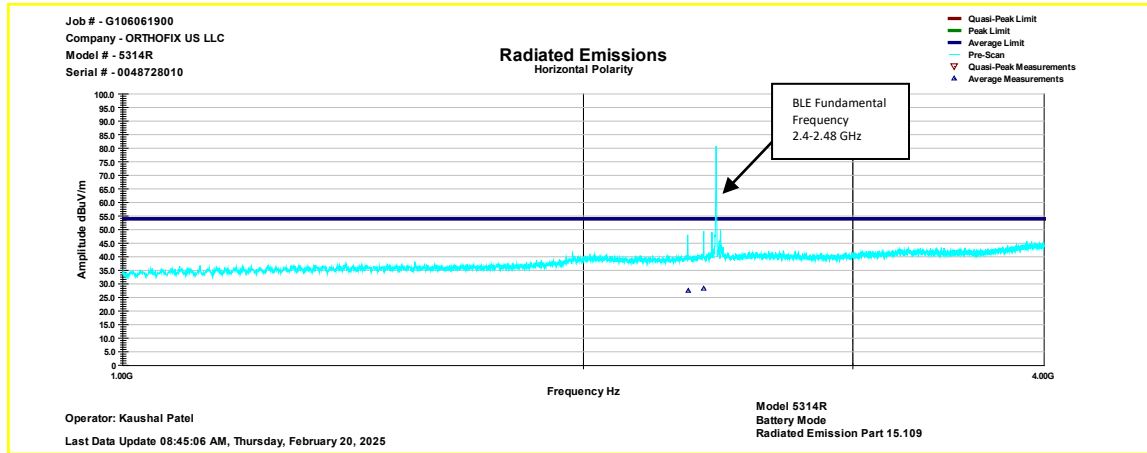
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
65.55	12.1	40	-27.9	232	198	Horizontal	-20.3
83.91	10.2	40	-29.8	179	182	Horizontal	-20.7
181.55	28.2	43.5	-15.3	132	201	Horizontal	-16.3
185.91	27.6	43.5	-16	149	176	Horizontal	-16.3
190.41	29	43.5	-14.5	149	202	Horizontal	-16.2
624.85	24.2	46	-21.8	100	244	Horizontal	-5.1

Test Result Radiated Emission 30 MHz-1000 MHz Vertical Antenna Polarization



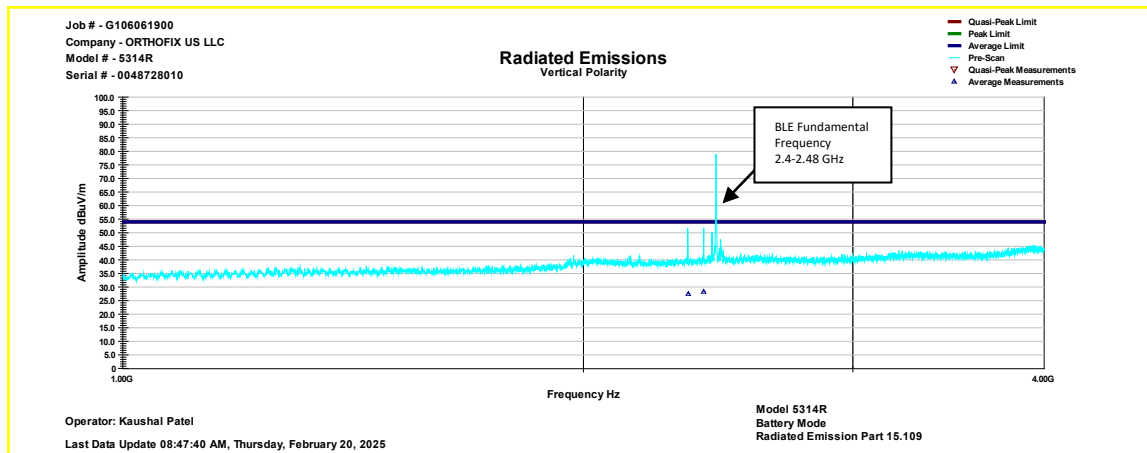
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
45.25	12.8	40	-27.2	149	278	Vertical	-17.7
65.25	17.4	40	-22.6	100	324	Vertical	-20.4
67.81	16.6	40	-23.4	105	259	Vertical	-20.3
184.55	21.2	43.5	-22.3	234	84	Vertical	-16.3
617.31	25.3	46	-20.8	149	226	Vertical	-5.2
742.25	25.5	46	-20.5	110	71	Vertical	-3.1

Radiated Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization



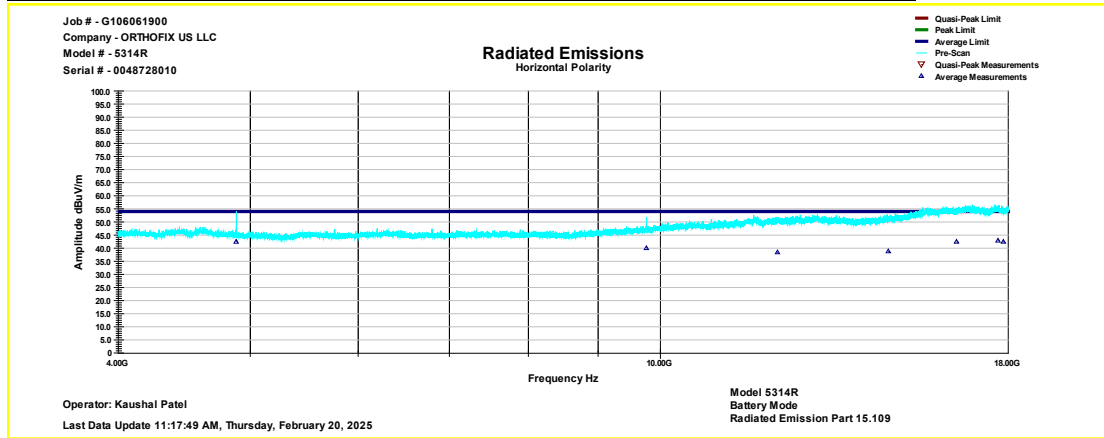
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2339.95	27.4	54	-26.5	150	238	Horizontal	-15.7
2396.95	28.4	54	-25.6	149	316	Horizontal	-15.1

Radiated Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization



Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2339.95	27.6	54	-26.4	294	11	Vertical	-15.7
2396.95	28.4	54	-25.6	350	12	Vertical	-15.1

Radiated Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization

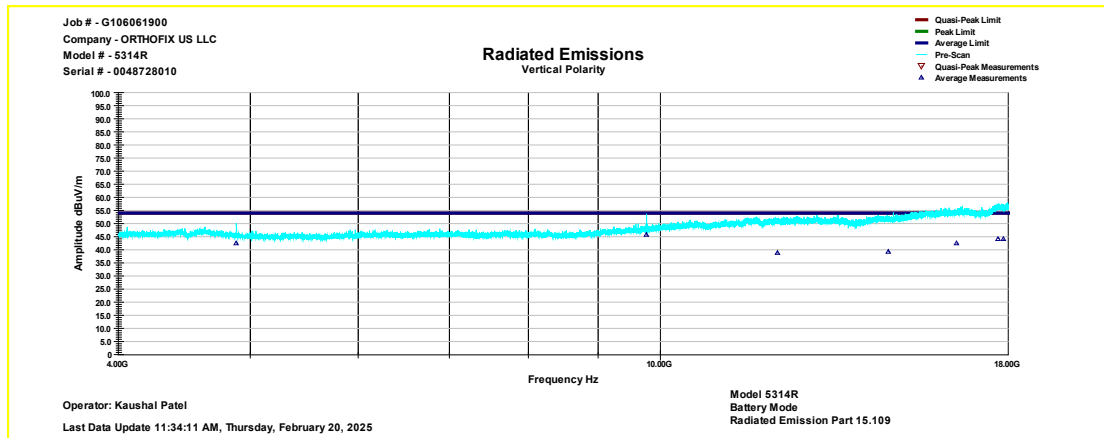


Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.55	42.6	54	-11.4	101	226	Horizontal	3.70
9767.25	40.1	54	-13.9	102	51	Horizontal	1.80
12177.05	38.4	54	-15.6	383	217	Horizontal	6.00
14707.05	38.8	54	-15.2	264	47	Horizontal	9.00
16507.95	42.4	54	-11.6	398	287	Horizontal	11.90
17692.95	43	54	-11	100	13	Horizontal	13.00
17847.05	42.4	54	-11.6	181	122	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization



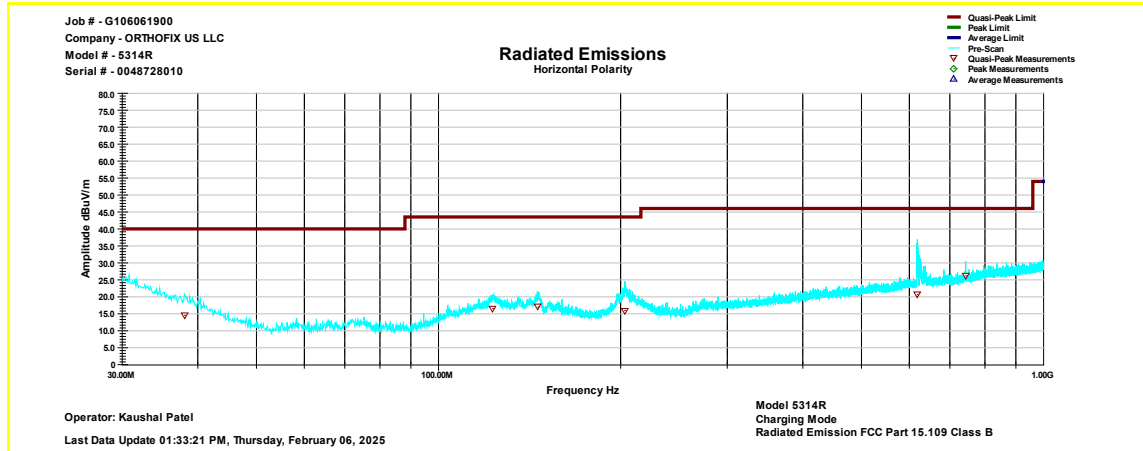
Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.55	42.6	54	-11.4	249	147	Vertical	3.70
9767.15	45.7	54	-8.3	278	76	Vertical	1.80
12177.05	38.8	54	-15.1	118	116	Vertical	6.00
14706.95	39.3	54	-14.7	122	318	Vertical	9.00
16507.95	42.5	54	-11.5	364	265	Vertical	11.90
17692.95	44.3	54	-9.7	394	17	Vertical	13.00
17847.05	44	54	-10	351	168	Vertical	13.10

Note: Correction = AF + CF - Preamp

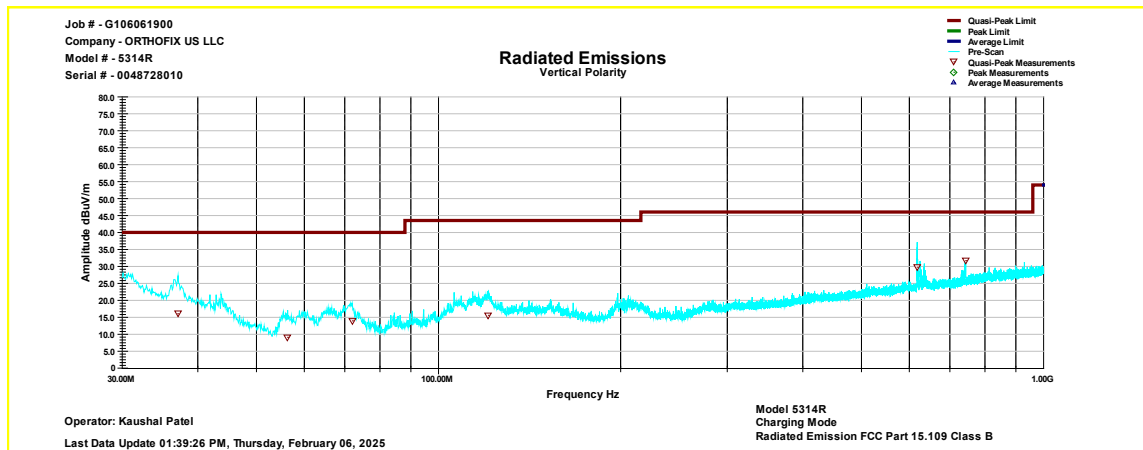
Charging Mode

Test Result Radiated Emission 30 MHz-1000 MHz Horizontal Antenna Polarization



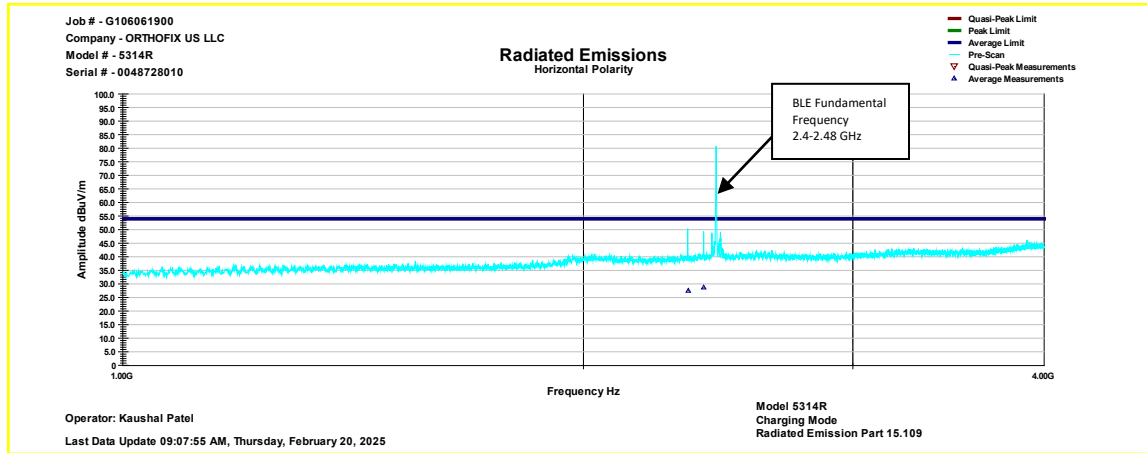
Frequency (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
38.05	14.6	40	-25.4	270	216	Horizontal	-12.7
122.95	16.5	43.5	-27	244	174	Horizontal	-14.3
146.05	17	43.5	-26.5	149	202	Horizontal	-15.1
203.15	15.9	43.5	-27.6	102	52	Horizontal	-15.1
618.55	20.6	46	-25.4	207	43	Horizontal	-5.2
743.55	26.1	46	-19.9	249	19	Horizontal	-3.1

Test Result Radiated Emission 30 MHz-1000 MHz Vertical Antenna Polarization



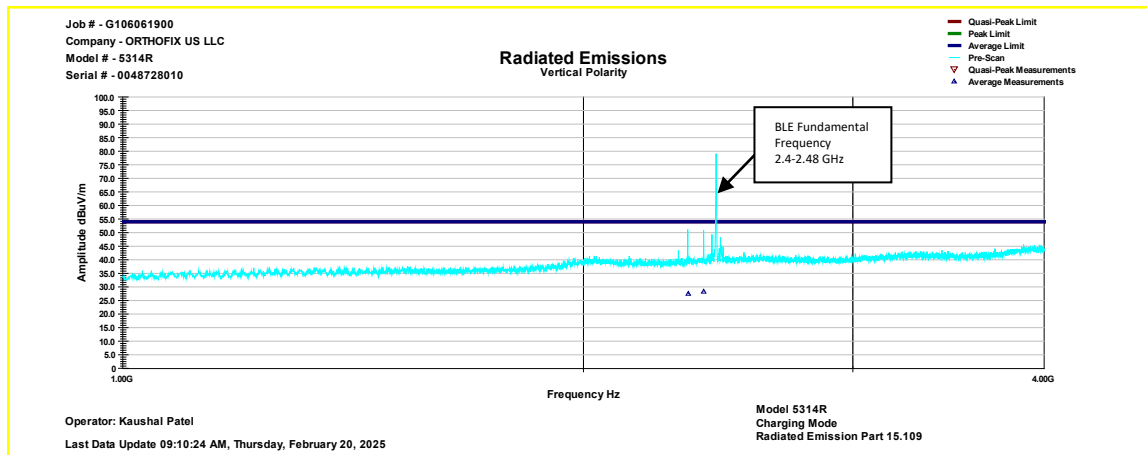
Frequency (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
37.05	16	40	-24	101	187	Vertical	-11.9
56.31	9.1	40	-30.9	133	224	Vertical	-20.8
72.05	13.9	40	-26.1	105	313	Vertical	-20.2
120.91	15.6	43.5	-28	232	259	Vertical	-14.3
618.21	29.8	46	-16.3	149	305	Vertical	-5.2
743.61	31.7	46	-14.4	101	252	Vertical	-3.1

Radiated Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization



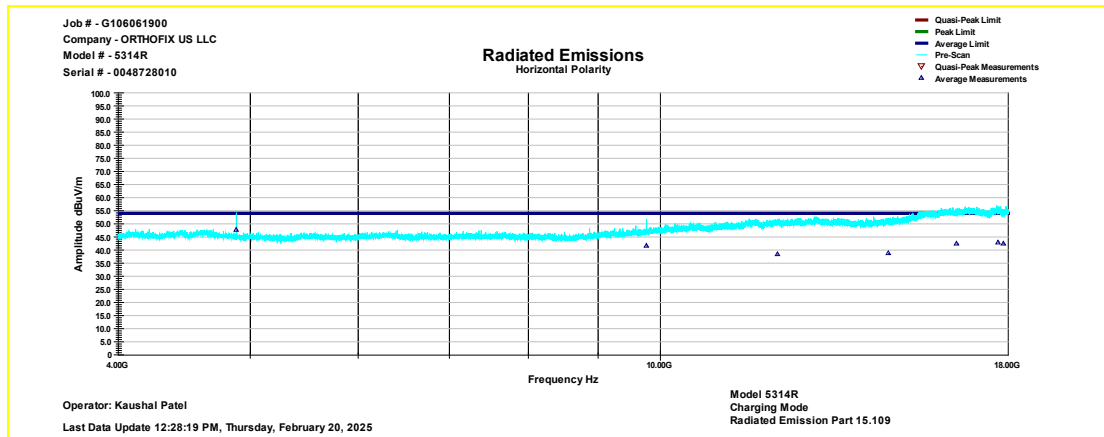
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2339.95	27.5	54	-26.5	317	267	Horizontal	-15.7
2396.55	28.5	54	-25.4	337	325	Horizontal	-15.1

Radiated Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization



Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2339.95	27.6	54	-26.4	291	11	Vertical	-15.7
2396.55	28.5	54	-25.5	350	12	Vertical	-15.1

Radiated Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization

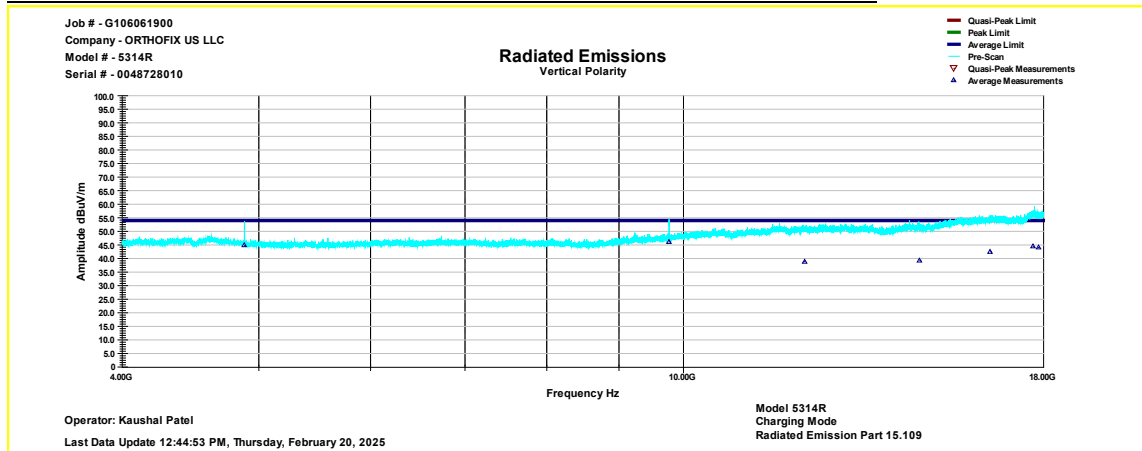


Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.55	47.6	54	-6.4	344	199	Horizontal	3.70
9767.15	41.6	54	-12.4	233	62	Horizontal	1.80
12176.95	38.4	54	-15.5	298	212	Horizontal	6.00
14707.05	38.7	54	-15.3	253	63	Horizontal	9.00
16507.95	42.4	54	-11.6	251	182	Horizontal	11.90
17693.05	43	54	-10.9	112	238	Horizontal	13.00
17847.05	42.4	54	-11.6	114	130	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

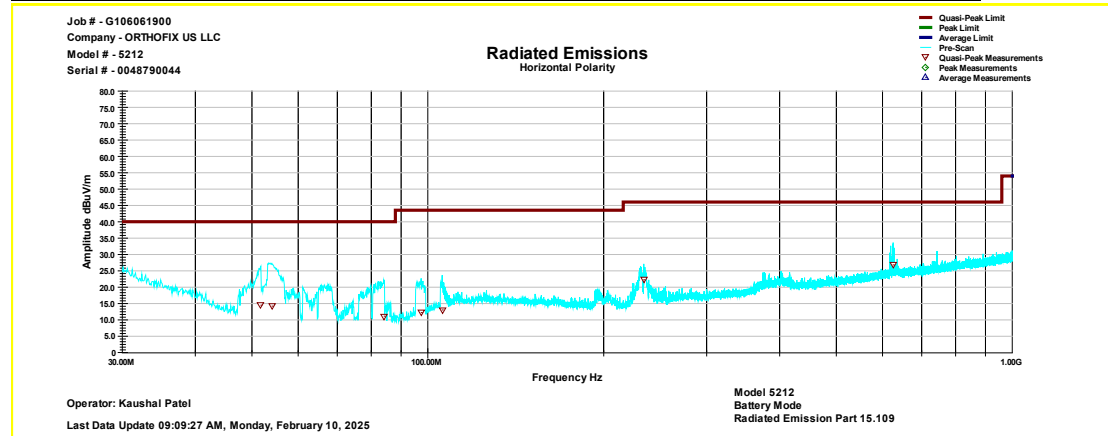
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4883.55	44.8	54	-9.2	344	279	Vertical	3.70
9767.15	46.1	54	-7.9	126	53	Vertical	1.80
12176.95	38.8	54	-15.1	100	34	Vertical	6.00
14706.95	39.3	54	-14.7	101	328	Vertical	9.00
16508.05	42.5	54	-11.5	105	262	Vertical	11.90
17693.05	44.3	54	-9.6	346	142	Vertical	13.00
17846.95	44	54	-10	345	201	Vertical	13.10

Note: Correction = AF + CF - Preamp

Model 5212

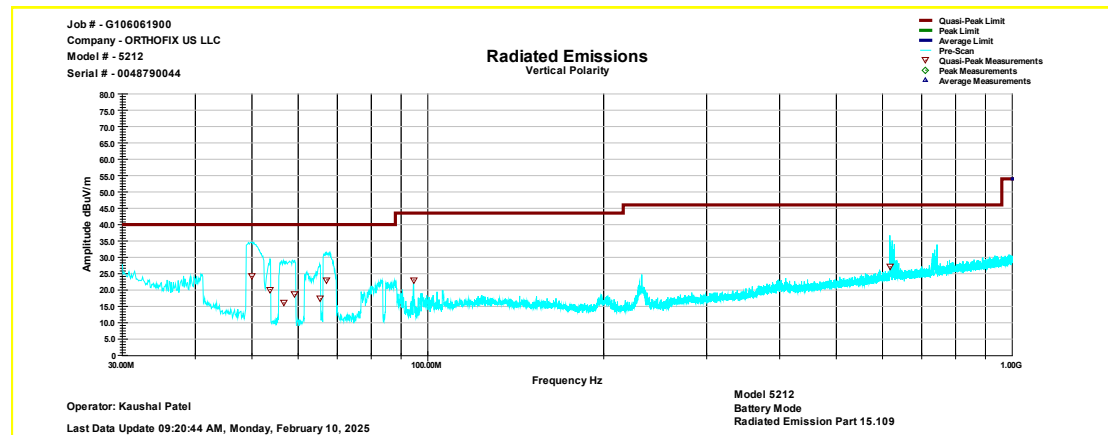
Battery Mode

Test Result Radiated Emission 30 MHz-1000 MHz Horizontal Antenna Polarization



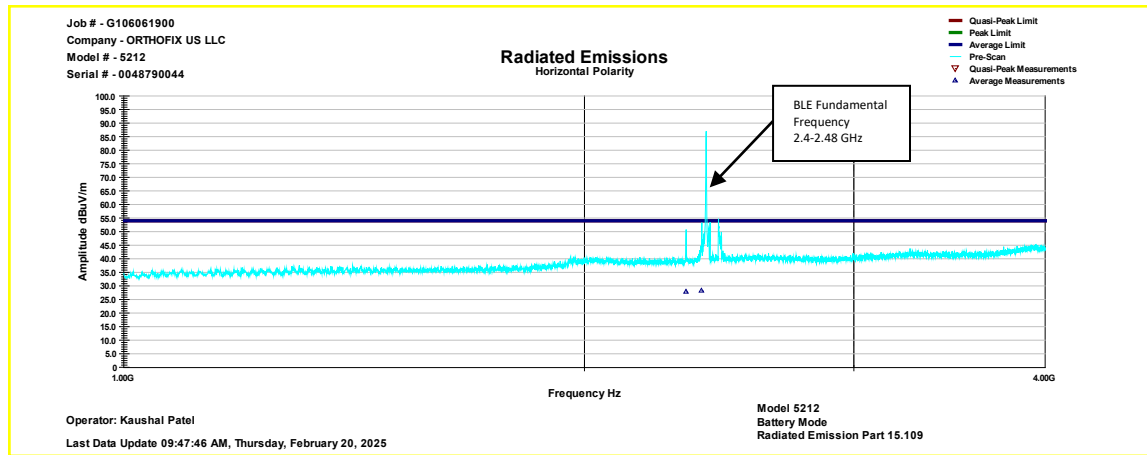
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
51.81	14.5	40	-25.5	250	158	Horizontal	-20.3
54.15	14.2	40	-25.8	349	102	Horizontal	-20.7
84.21	11.1	40	-28.9	249	291	Horizontal	-20.7
97.45	12.2	43.5	-31.3	250	319	Horizontal	-18.6
105.81	13	43.5	-30.5	148	83	Horizontal	-16.4
234.21	22.2	46	-23.8	100	247	Horizontal	-15.4
625.45	26.8	46	-19.2	316	290	Horizontal	-5.1

Test Result Radiated Emission 30 MHz-1000 MHz Vertical Antenna Polarization



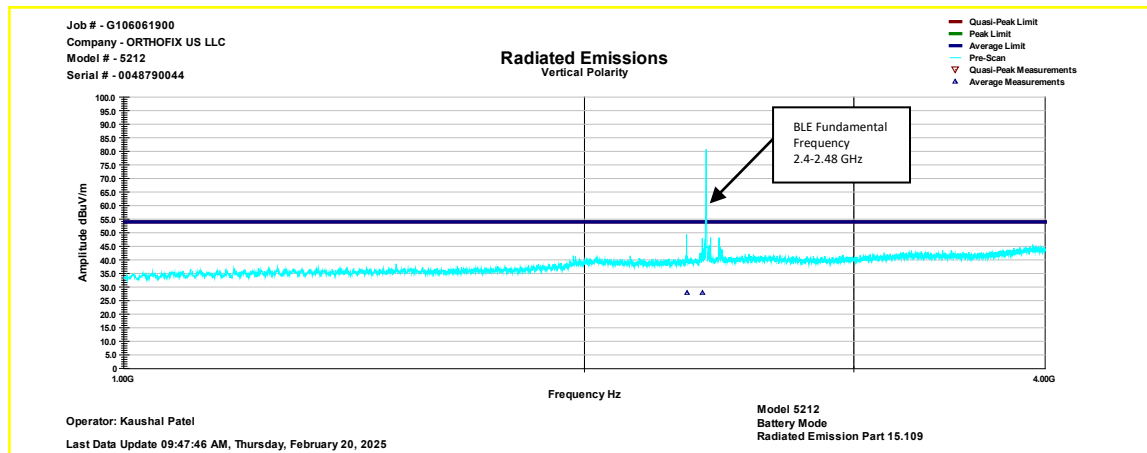
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
49.91	24.2	40	-15.8	171	21	Vertical	-19.9
53.65	20.1	40	-19.9	150	262	Vertical	-20.7
56.61	16	40	-24	100	324	Vertical	-20.8
59.25	18.6	40	-21.4	100	295	Vertical	-20.8
65.51	17.3	40	-22.7	348	19	Vertical	-20.3
67.11	23.1	40	-16.9	101	262	Vertical	-20.3
94.45	23.1	43.5	-20.5	100	19	Vertical	-19.5
617.45	27.1	46	-18.9	100	232	Vertical	-5.2

Radiated Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization



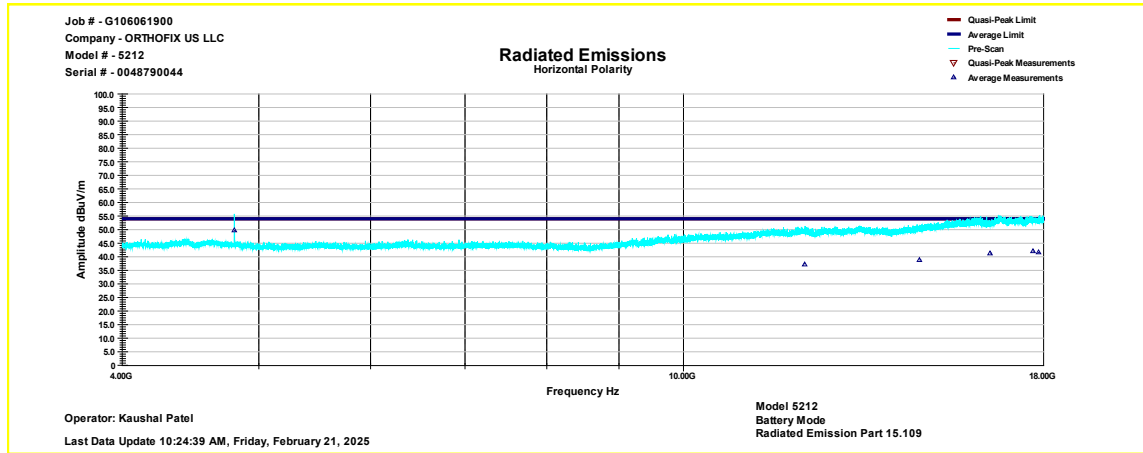
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2330.95	27.8	54	-26.2	250	319	Horizontal	-15.8
2386.45	28.2	54	-25.8	172	305	Horizontal	-15.2

Radiated Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization



Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2332.55	27.9	54	-26.1	250	12	Vertical	-15.68
2388.05	27.8	54	-26.2	333	36	Vertical	-15.19

Radiated Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization

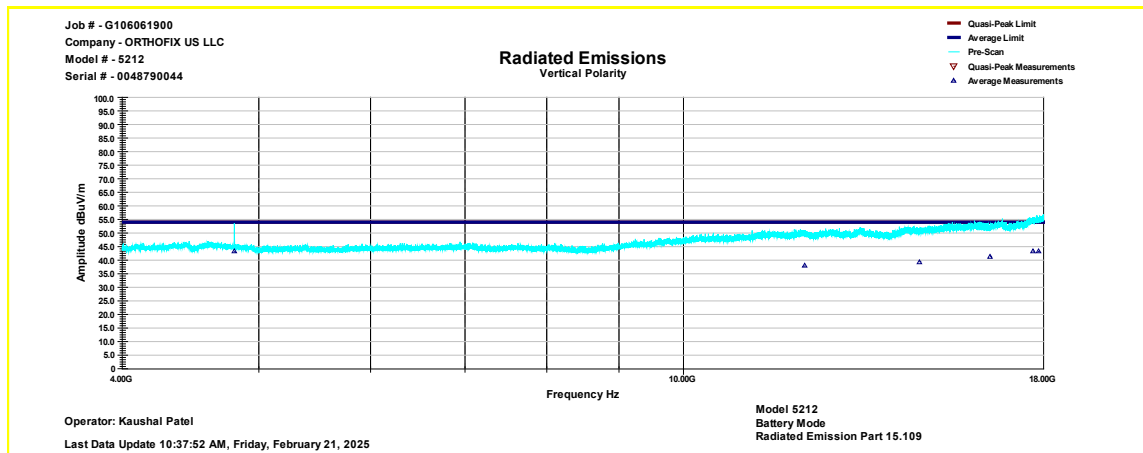


Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.45	49.7	54	-4.3	149	152	Horizontal	4.40
12176.95	37.4	54	-16.6	142	189	Horizontal	6.00
14707.05	38.8	54	-15.1	115	186	Horizontal	9.00
16508.05	41.3	54	-12.7	400	236	Horizontal	11.90
17693.05	42	54	-11.9	165	340	Horizontal	13.00
17847.05	41.5	54	-12.4	368	321	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization



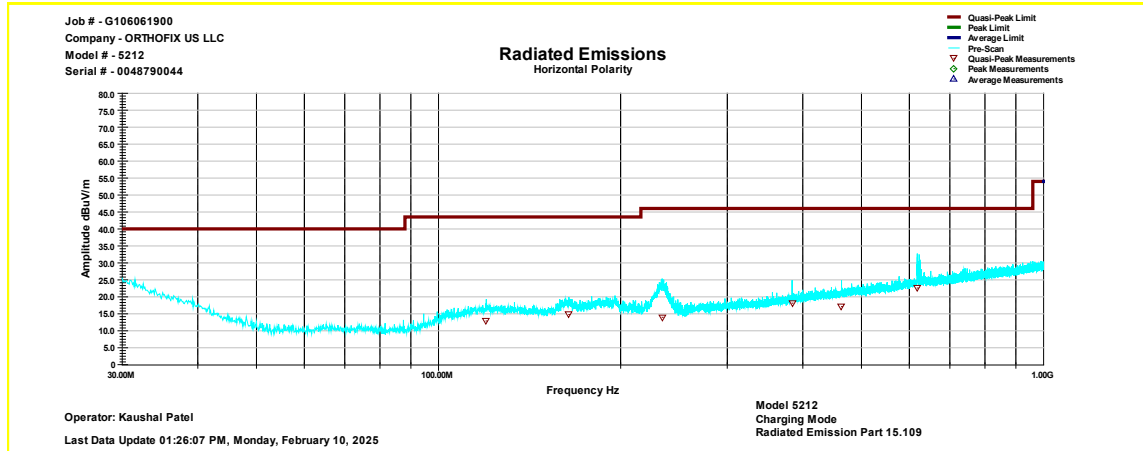
Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	43.1	54	-10.9	149	263	Vertical	4.40
12176.95	37.8	54	-16.2	377	67	Vertical	6.00
14706.95	39.4	54	-14.5	298	155	Vertical	9.00
16508.05	41.4	54	-12.6	115	128	Vertical	11.90
17692.95	43.3	54	-10.7	400	349	Vertical	13.00
17846.95	43.2	54	-10.8	376	222	Vertical	13.10

Note: Correction = AF + CF - Preamp

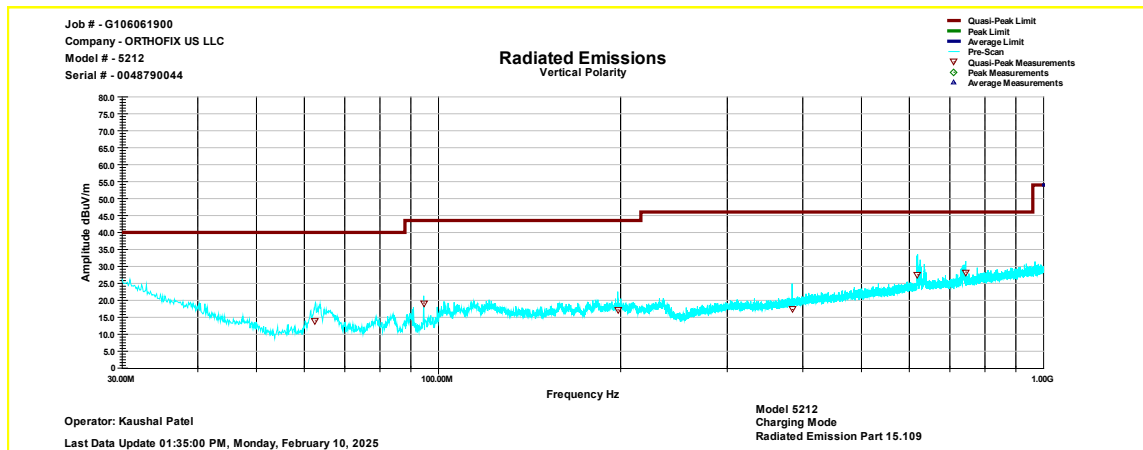
Charging Mode

Test Result Radiated Emission 30 MHz-1000 MHz Horizontal Antenna Polarization



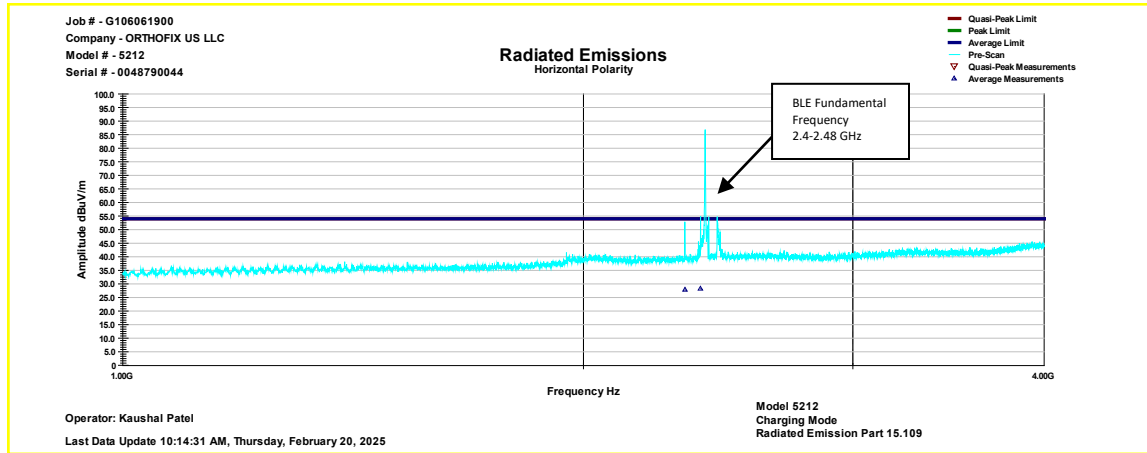
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
119.85	12.9	43.5	-30.7	137	158	Horizontal	-14.4
164.15	14.8	43.5	-28.7	123	143	Horizontal	-15.2
234.15	14	46	-32.1	101	225	Horizontal	-15.4
383.95	18.1	46	-27.9	250	22	Horizontal	-10.6
463.51	17.1	46	-28.9	207	96	Horizontal	-8.5
618.35	22.6	46	-23.4	149	108	Horizontal	-5.2

Test Result Radiated Emission 30 MHz-1000 MHz Vertical Antenna Polarization



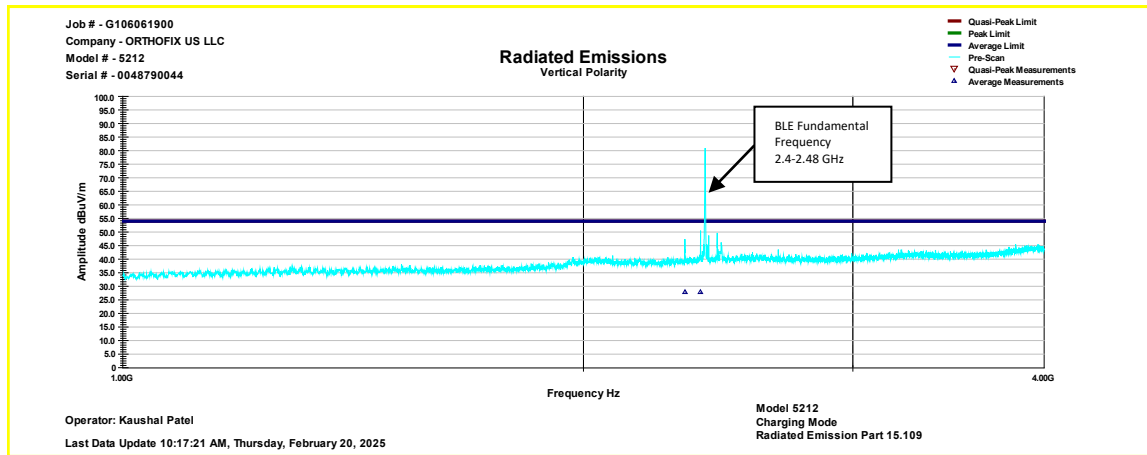
Frequency (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
62.55	13.9	40	-26.1	101	22	Vertical	-20.6
94.45	19.2	43.5	-24.3	149	279	Vertical	-19.5
197.81	17.2	43.5	-26.4	137	214	Vertical	-14.9
384.01	17.3	46	-28.7	183	68	Vertical	-10.6
619.31	27.5	46	-18.5	249	324	Vertical	-5.2
743.61	28.3	46	-17.7	196	68	Vertical	-3.1

Radiated Emissions 1000 MHz - 4000 MHz Horizontal Antenna Polarization



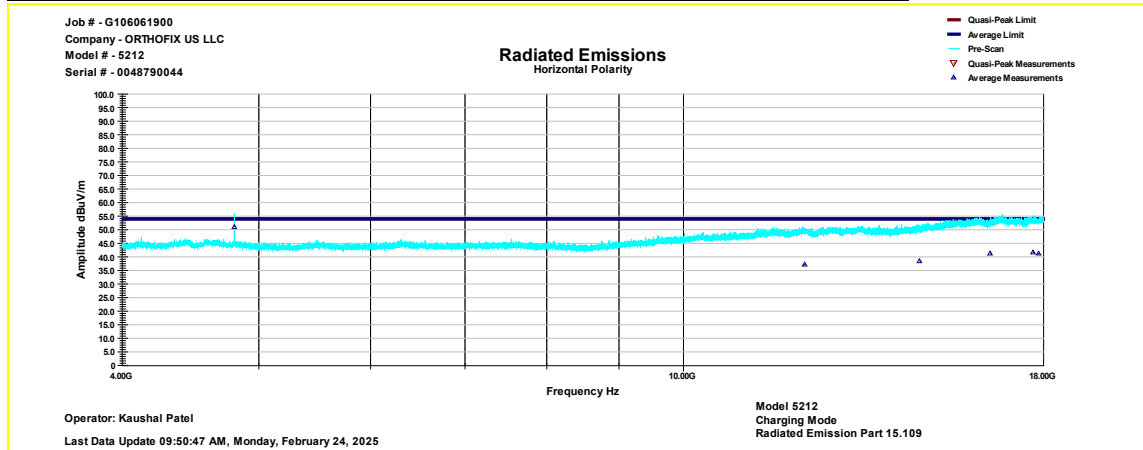
Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2329.55	27.7	54	-26.2	250	318	Horizontal	-15.7
2385.55	28.2	54	-25.8	181	308	Horizontal	-15.1

Radiated Emissions 1000 MHz - 4000 MHz Vertical Antenna Polarization



Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
2330.05	27.9	54	-26.1	344	17	Vertical	-15.7
2385.45	27.8	54	-26.2	250	46	Vertical	-15.1

Radiated Emissions 4000 MHz - 18000 MHz Horizontal Antenna Polarization

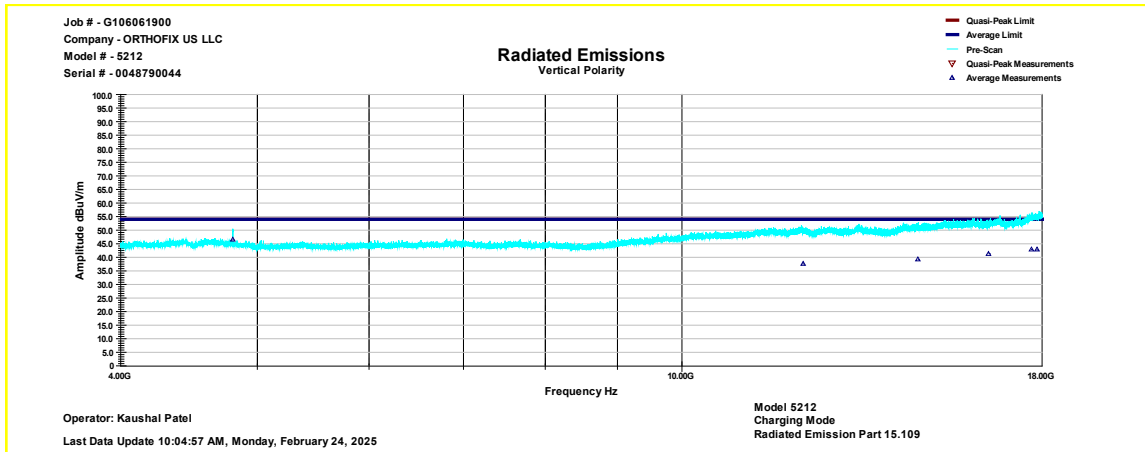


Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	51.2	54	-3.8	149	143	Horizontal	4.40
12176.95	37.1	54	-16.9	284	276	Horizontal	6.00
14707.05	38.5	54	-15.5	131	205	Horizontal	9.00
16508.05	41.3	54	-12.7	283	156	Horizontal	11.90
17692.95	41.6	54	-12.4	283	327	Horizontal	13.00
17847.05	41.2	54	-12.8	115	112	Horizontal	13.10

Note: Correction = AF + CF - Preamp

Radiated Emissions 4000 MHz - 18000 MHz Vertical Antenna Polarization



Note: Measurements made from 4 GHz to 18GHz had a 2.4-2.5GHz notch filter in place

Frequency (MHz)	Avg@ 3m (dBμV/m)	Lim. Avg @3m (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Comment	Correction (dB)
4803.55	46.4	54	-7.6	149	216	Vertical	4.40
12177.05	37.5	54	-16.4	344	49	Vertical	6.00
14707.05	39.1	54	-14.9	367	86	Vertical	9.00
16508.05	41.4	54	-12.6	389	228	Vertical	11.90
17692.95	42.9	54	-11.1	367	238	Vertical	13.00
17846.95	42.7	54	-11.2	100	172	Vertical	13.10

Note: Correction = AF + CF - Preamp

4.7 AC Line Conducted Emission
FCC: 15.107, FCC: 15.207, ICES-003

4.7.1 Requirement

Frequency Band MHz	Class B Limit dB(μV)		Class A Limit dB(μV)	
	Quasi-Peak	Average	Quasi-Peak	Average
0.15-0.50	66 to 56 *	56 to 46 *	79	66
0.50-5.00	56	46	73	60
5.00-30.00	60	50	73	60

*Note: *Decreases linearly with the logarithm of the frequency. At the transition frequency the lower limit applies.*

4.7.2 Procedure

Measurements are carried out using quasi-peak and average detector receivers in accordance with CISPR 16. An AMN is required to provide a defined impedance at high frequencies across the power feed at the point of measurement of terminal voltage and also to provide isolation of the circuit under test from the ambient noise on the power lines. An AMN as defined in CISPR 16 shall be used.

The EUT is located so that the distance between the boundary of the EUT and the closest surface of the AMN is 0.8m.

Where a flexible mains cord is provided by the manufacturer, this shall be 1m long or if in excess of 1m, the excess cable is folded back and forth as far as possible so as to form a bundle not exceeding 0.4m in length.

The EUT is arranged and connected with cables terminated in accordance with the product specification.

Conducted disturbance is measured between the phase lead and the reference ground, and between the neutral lead and the reference ground. Both measured values are reported.

The EUT, where intended for tabletop use, is placed on a table whose top is 0.8m above the ground plane. A vertical, metal reference plane is placed 0.4m from the EUT. The vertical metal reference-plane is at least 2m by 2m. The EUT shall be kept at least 0.8m from any other metal surface or other ground plane not being part of the EUT. The table is constructed of non-conductive materials. Its dimensions are 1m by 1.5m but may be extended for larger EUT.

Floor standing EUT are placed on a horizontal metal ground plane and isolated from the ground plane by resting on an insulating material. The metal ground plane extends at least 0.5m beyond the boundaries of the EUT and has minimum dimensions of 2m by 2m.

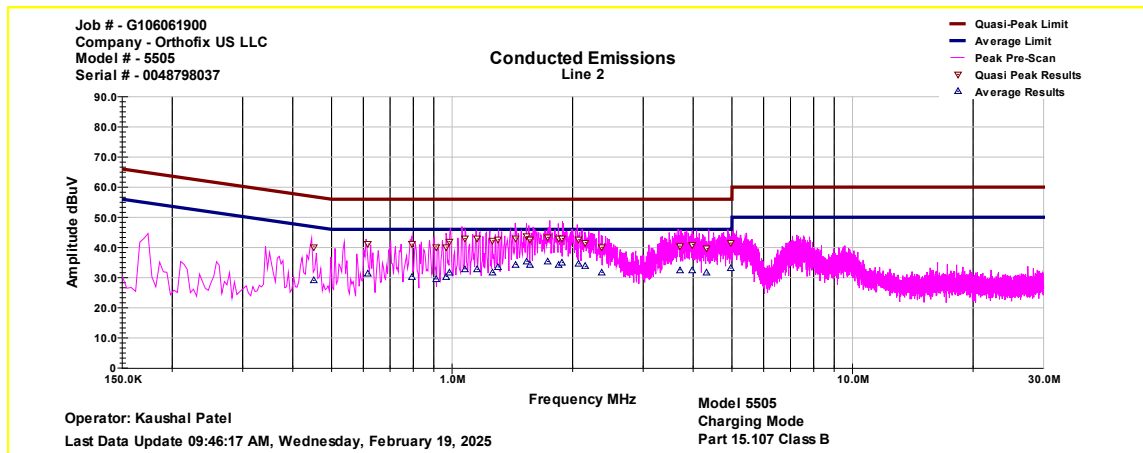
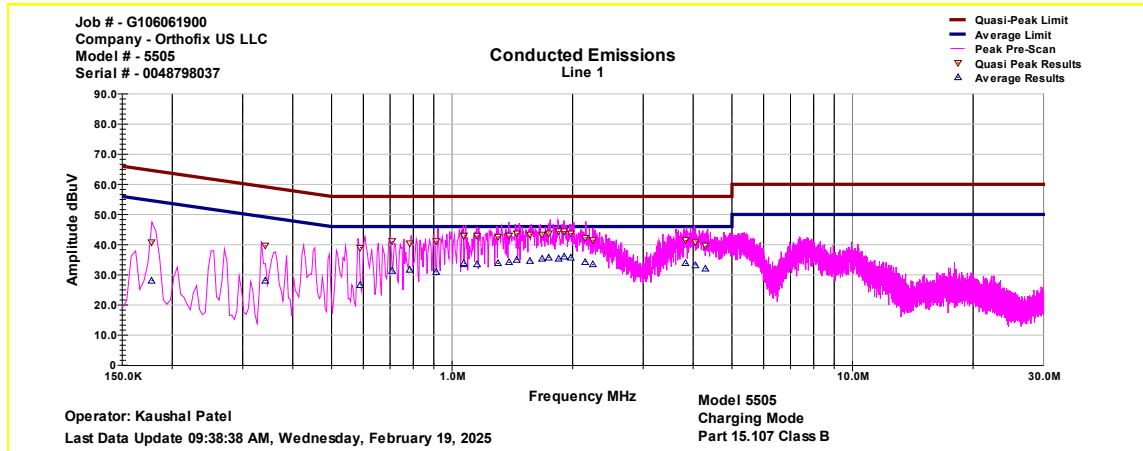
AC mains conducted emissions measurements were performed according to the procedures in ANSI C63.4.

Tested By	Test Date	Results
Kaushal Patel	February 19, 2025	Complies

4.7.3 Test Result

Model 5505

FCC Part 15.107/15.207 Conducted Disturbances, 120VAC 60 Hz

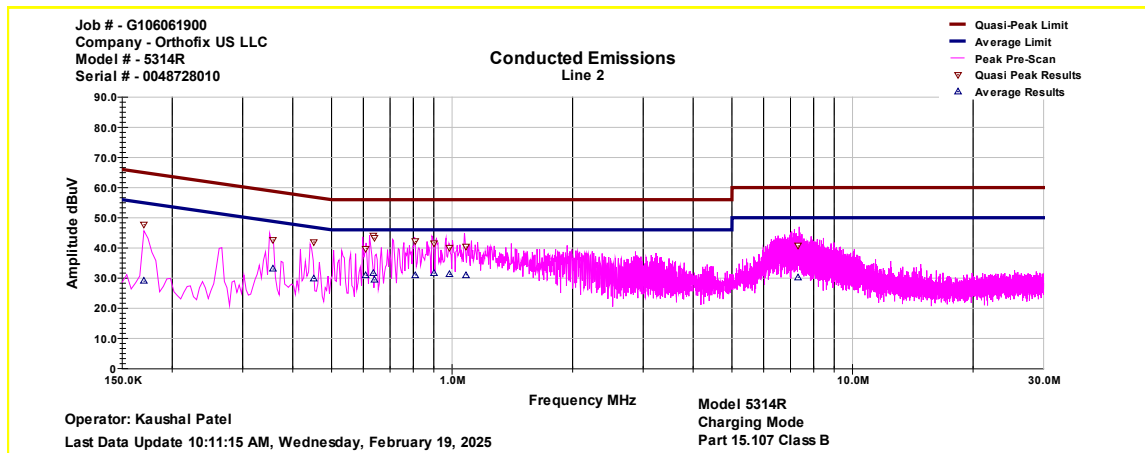
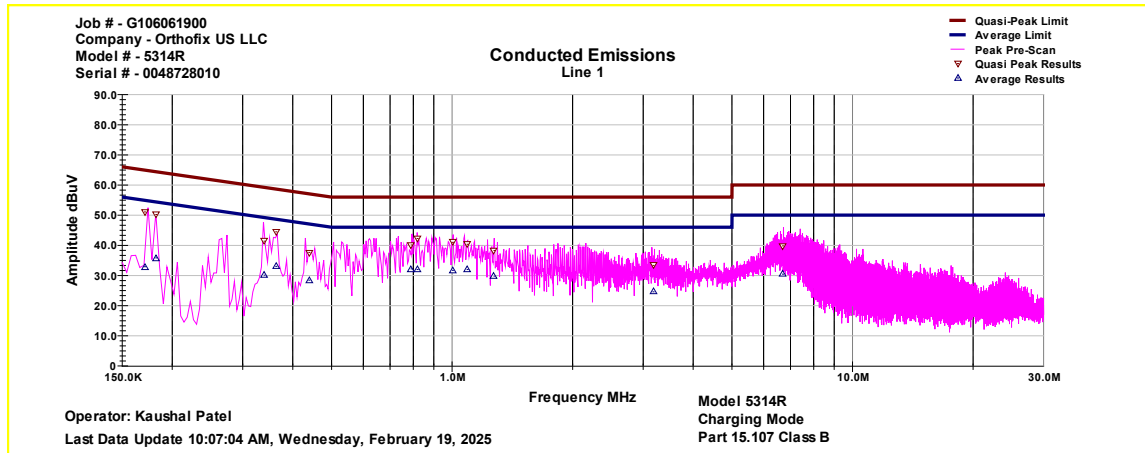


Frequency (MHz)	QP Level (dBμV)	QP Limit (dBμV)	Margin (dB)	Line	Corrector(dB)
0.18	40.927	64.579	-23.652	Line 1	10.052
0.34	39.647	59.186	-19.539	Line 1	10.038
0.59	39.072	56	-16.928	Line 1	10.039
0.71	41.015	56	-14.985	Line 1	10.04
0.79	40.503	56	-15.497	Line 1	10.04
0.91	41.134	56	-14.866	Line 1	10.05
1.07	43.11	56	-12.89	Line 1	10.052
1.07	43.121	56	-12.879	Line 1	10.052
1.15	42.886	56	-13.114	Line 1	10.054
1.3	42.572	56	-13.428	Line 1	10.058
1.39	42.888	56	-13.112	Line 1	10.06
1.45	43.594	56	-12.406	Line 1	10.06
1.57	43.47	56	-12.53	Line 1	10.062
1.68	43.512	56	-12.488	Line 1	10.064
1.74	43.856	56	-12.144	Line 1	10.066
1.84	44.366	56	-11.634	Line 1	10.068
1.9	44.328	56	-11.672	Line 1	10.068
1.98	43.657	56	-12.343	Line 1	10.07
2.15	42.282	56	-13.718	Line 1	10.072
2.24	41.494	56	-14.506	Line 1	10.073
3.83	41.373	56	-14.627	Line 1	10.088
4.06	40.926	56	-15.074	Line 1	10.092
4.3	39.558	56	-16.442	Line 1	10.096
0.45	40.206	56.88	-16.67	Line 2	10.00
0.62	41.102	56	-14.9	Line 2	10.01
0.79	41.084	56	-14.92	Line 2	10.01
0.91	40.161	56	-15.84	Line 2	10.02
0.97	40.109	56	-15.89	Line 2	10.02
0.98	41.937	56	-14.06	Line 2	10.02
1.07	42.906	56	-13.09	Line 2	10.02
1.16	42.832	56	-13.17	Line 2	10.02
1.26	42.172	56	-13.83	Line 2	10.02
1.3	42.567	56	-13.43	Line 2	10.02
1.44	43.113	56	-12.89	Line 2	10.04
1.54	43.588	56	-12.41	Line 2	10.04
1.56	42.511	56	-13.49	Line 2	10.04
1.73	43.356	56	-12.64	Line 2	10.04
1.85	43.107	56	-12.89	Line 2	10.04
1.88	42.984	56	-13.02	Line 2	10.04
2.07	42.53	56	-13.47	Line 2	10.04
2.15	41.632	56	-14.37	Line 2	10.04
2.36	40.055	56	-15.94	Line 2	10.04
3.7	40.467	56	-15.53	Line 2	10.07
3.99	40.967	56	-15.03	Line 2	10.07
4.33	39.669	56	-16.33	Line 2	10.07
4.95	41.459	56	-14.54	Line 2	10.09

Frequency (MHz)	Avg Level (dBμV)	Avg Limit (dBμV)	Margin (dB)	Line	Corrector(dB)
0.18	28.109	54.579	-26.471	Line 1	10.052
0.34	28.093	49.186	-21.093	Line 1	10.038
0.59	26.622	46	-19.378	Line 1	10.039
0.71	31.242	46	-14.758	Line 1	10.04
0.79	31.663	46	-14.337	Line 1	10.04
0.91	30.992	46	-15.008	Line 1	10.05
1.07	33.446	46	-12.554	Line 1	10.052
1.07	33.807	46	-12.193	Line 1	10.052
1.15	33.589	46	-12.411	Line 1	10.054
1.3	33.757	46	-12.243	Line 1	10.058
1.39	34.107	46	-11.893	Line 1	10.06
1.45	35.099	46	-10.901	Line 1	10.06
1.57	34.646	46	-11.354	Line 1	10.062
1.68	35.193	46	-10.807	Line 1	10.064
1.74	35.76	46	-10.24	Line 1	10.066
1.84	35.198	46	-10.802	Line 1	10.068
1.9	36.142	46	-9.858	Line 1	10.068
1.98	35.656	46	-10.344	Line 1	10.07
2.15	34.357	46	-11.643	Line 1	10.072
2.24	33.322	46	-12.678	Line 1	10.073
3.83	33.702	46	-12.298	Line 1	10.088
4.06	33.273	46	-12.727	Line 1	10.092
4.3	32.019	46	-13.981	Line 1	10.096
0.45	29.07	46.88	-17.81	Line 2	10.00
0.62	31.22	46	-14.78	Line 2	10.01
0.79	30.37	46	-15.63	Line 2	10.01
0.91	29.55	46	-16.45	Line 2	10.02
0.97	30.35	46	-15.65	Line 2	10.02
0.98	31.75	46	-14.25	Line 2	10.02
1.07	32.93	46	-13.07	Line 2	10.02
1.16	32.72	46	-13.28	Line 2	10.02
1.26	31.66	46	-14.34	Line 2	10.02
1.3	33.54	46	-12.46	Line 2	10.02
1.44	34.34	46	-11.66	Line 2	10.04
1.54	35.42	46	-10.58	Line 2	10.04
1.56	34.22	46	-11.78	Line 2	10.04
1.73	35.33	46	-10.67	Line 2	10.04
1.85	34.13	46	-11.87	Line 2	10.04
1.88	34.99	46	-11.01	Line 2	10.04
2.07	34.57	46	-11.43	Line 2	10.04
2.15	33.71	46	-12.29	Line 2	10.04
2.36	31.76	46	-14.24	Line 2	10.04
3.7	32.58	46	-13.42	Line 2	10.07
3.99	32.56	46	-13.44	Line 2	10.07
4.33	31.51	46	-14.49	Line 2	10.07
4.95	33.14	46	-12.86	Line 2	10.09

Model 5314R

FCC Part 15.107/15.207 Conducted Disturbances, 120VAC 60 Hz

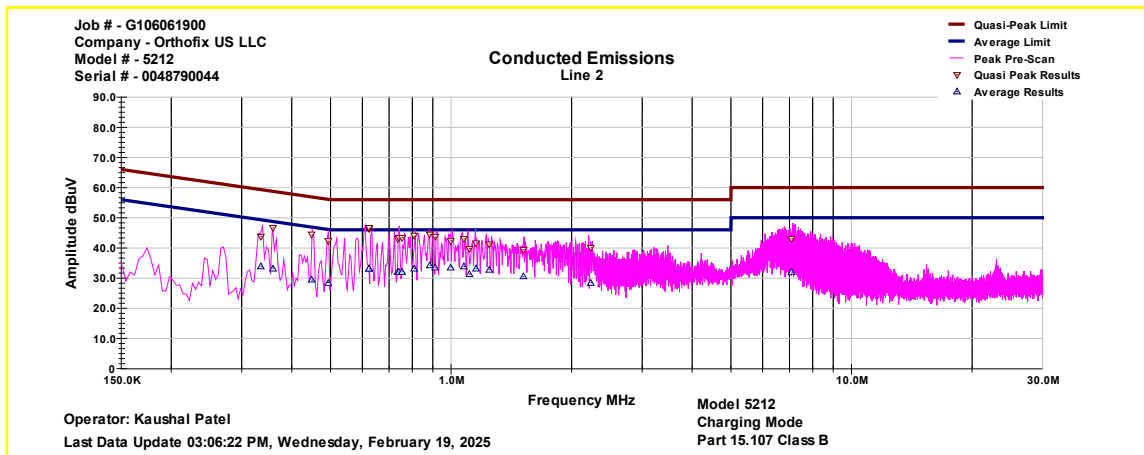
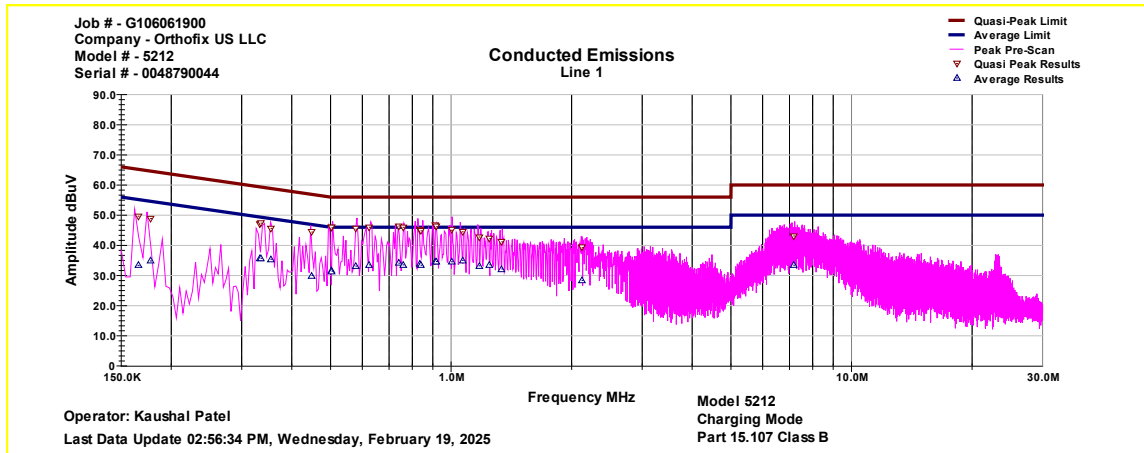


Frequency (MHz)	QP Level (dBμV)	QP Limit (dBμV)	Margin (dB)	Line	Corrector(dB)
0.17	51.069	64.934	-13.866	Line 1	10.056
0.18	50.229	64.395	-14.166	Line 1	10.05
0.34	41.368	59.222	-17.854	Line 1	10.038
0.36	44.477	58.666	-14.189	Line 1	10.036
0.44	37.64	57.087	-19.447	Line 1	10.033
0.79	40.092	56	-15.908	Line 1	10.04
0.82	42.289	56	-13.711	Line 1	10.042
1	40.983	56	-15.017	Line 1	10.05
1.09	40.34	56	-15.66	Line 1	10.052
1.27	38.288	56	-17.712	Line 1	10.056
3.17	33.344	56	-22.656	Line 1	10.082
6.69	39.81	60	-20.19	Line 1	10.126
0.17	47.685	64.96	-17.28	Line 2	10.02
0.36	42.636	58.8	-16.16	Line 2	10.01
0.45	41.942	56.86	-14.92	Line 2	10
0.61	39.882	56	-16.12	Line 2	10.01
0.63	44.072	56	-11.93	Line 2	10.01
0.64	43.253	56	-12.75	Line 2	10.01
0.81	42.156	56	-13.84	Line 2	10.01
0.9	41.687	56	-14.31	Line 2	10.02
0.99	39.969	56	-16.03	Line 2	10.02
1.08	40.293	56	-15.71	Line 2	10.02
7.31	40.668	60	-19.33	Line 2	10.12

Frequency (MHz)	Avg Level (dBμV)	Avg Limit (dBμV)	Margin (dB)	Line	Corrector(dB)
0.17	32.887	54.934	-22.047	Line 1	10.056
0.18	35.84	54.395	-18.555	Line 1	10.05
0.34	30.077	49.222	-19.145	Line 1	10.038
0.36	33	48.666	-15.667	Line 1	10.036
0.44	28.431	47.087	-18.656	Line 1	10.033
0.79	32.187	46	-13.813	Line 1	10.04
0.82	31.949	46	-14.051	Line 1	10.042
1	31.706	46	-14.294	Line 1	10.05
1.09	31.973	46	-14.027	Line 1	10.052
1.27	29.796	46	-16.204	Line 1	10.056
3.17	24.567	46	-21.433	Line 1	10.082
6.69	30.441	50	-19.559	Line 1	10.126
0.17	28.96	54.96	-26	Line 2	10.02
0.36	32.97	48.8	-15.82	Line 2	10.01
0.45	29.85	46.86	-17.01	Line 2	10
0.61	30.92	46	-15.08	Line 2	10.01
0.63	31.62	46	-14.38	Line 2	10.01
0.64	29.37	46	-16.63	Line 2	10.01
0.81	31.05	46	-14.95	Line 2	10.01
0.9	31.64	46	-14.36	Line 2	10.02
0.99	31.26	46	-14.74	Line 2	10.02
1.08	31.12	46	-14.88	Line 2	10.02
7.31	30.25	50	-19.75	Line 2	10.12

Model 5314R

FCC Part 15.107/15.207 Conducted Disturbances, 120VAC 60 Hz



Frequency (MHz)	QP Level (dBμV)	QP Limit (dBμV)	Margin (dB)	Line	Corrector(dB)
0.17	49.65	65.195	-15.546	Line 1	10.059
0.18	48.872	64.602	-15.73	Line 1	10.052
0.33	47.074	59.387	-12.313	Line 1	10.038
0.34	47.358	59.321	-11.963	Line 1	10.038
0.35	45.612	58.847	-13.234	Line 1	10.037
0.45	44.381	56.892	-12.511	Line 1	10.032
0.5	45.828	56	-10.172	Line 1	10.03
0.5	45.799	56	-10.201	Line 1	10.03
0.58	45.353	56	-10.647	Line 1	10.038
0.63	45.992	56	-10.008	Line 1	10.04
0.74	46.37	56	-9.63	Line 1	10.04
0.76	45.977	56	-10.023	Line 1	10.04
0.83	45.182	56	-10.818	Line 1	10.044
0.84	44.795	56	-11.205	Line 1	10.044
0.91	46.524	56	-9.476	Line 1	10.05
0.92	46.138	56	-9.862	Line 1	10.05
1	45	56	-11	Line 1	10.05
1.07	44.461	56	-11.539	Line 1	10.052
1.17	42.752	56	-13.248	Line 1	10.054
1.25	42.211	56	-13.789	Line 1	10.056
1.34	41.172	56	-14.828	Line 1	10.058
2.12	39.197	56	-16.803	Line 1	10.071
7.17	43.082	60	-16.918	Line 1	10.13
0.34	43.789	59.32	-15.53	Line 2	10.01
0.36	46.659	58.76	-12.1	Line 2	10.01
0.45	44.302	56.89	-12.59	Line 2	10
0.49	42.204	56.13	-13.93	Line 2	10
0.62	46.143	56	-9.86	Line 2	10.01
0.63	46.453	56	-9.55	Line 2	10.01
0.74	42.886	56	-13.11	Line 2	10.01
0.74	43.255	56	-12.74	Line 2	10.01
0.75	43.425	56	-12.57	Line 2	10.01
0.81	43.945	56	-12.06	Line 2	10.01
0.89	44.38	56	-11.62	Line 2	10.02
0.91	43.541	56	-12.46	Line 2	10.02
1	42.391	56	-13.61	Line 2	10.02
1.08	43.006	56	-12.99	Line 2	10.02
1.11	39.756	56	-16.24	Line 2	10.02
1.15	41.656	56	-14.34	Line 2	10.02
1.25	41.299	56	-14.7	Line 2	10.02
1.51	39.444	56	-16.56	Line 2	10.04
2.24	40.039	56	-15.96	Line 2	10.04
7.09	43.046	60	-16.95	Line 2	10.12

Frequency (MHz)	Avg Level (dBμV)	Avg Limit (dBμV)	Margin (dB)	Line	Corrector(dB)
0.17	33.337	55.195	-21.858	Line 1	10.059
0.18	34.803	54.602	-19.799	Line 1	10.052
0.33	35.775	49.387	-13.612	Line 1	10.038
0.34	35.687	49.321	-13.634	Line 1	10.038
0.35	35.364	48.847	-13.482	Line 1	10.037
0.45	30.03	46.892	-16.862	Line 1	10.032
0.5	31.545	46	-14.455	Line 1	10.03
0.5	31.44	46	-14.56	Line 1	10.03
0.58	33.108	46	-12.892	Line 1	10.038
0.63	33.502	46	-12.498	Line 1	10.04
0.74	34.078	46	-11.922	Line 1	10.04
0.76	33.513	46	-12.487	Line 1	10.04
0.83	33.834	46	-12.166	Line 1	10.044
0.84	33.399	46	-12.601	Line 1	10.044
0.91	34.711	46	-11.289	Line 1	10.05
0.92	34.625	46	-11.375	Line 1	10.05
1	34.546	46	-11.454	Line 1	10.05
1.07	35.005	46	-10.995	Line 1	10.052
1.17	33.199	46	-12.801	Line 1	10.054
1.25	33.549	46	-12.451	Line 1	10.056
1.34	32.161	46	-13.839	Line 1	10.058
2.12	28.358	46	-17.642	Line 1	10.071
7.17	33.4	50	-16.6	Line 1	10.13
0.34	33.74	49.32	-15.58	Line 2	10.01
0.36	33.3	48.76	-15.46	Line 2	10.01
0.45	29.33	46.89	-17.56	Line 2	10
0.49	28.54	46.13	-17.59	Line 2	10
0.62	33.2	46	-12.8	Line 2	10.01
0.63	33.05	46	-12.95	Line 2	10.01
0.74	32.05	46	-13.95	Line 2	10.01
0.74	32	46	-14	Line 2	10.01
0.75	32.1	46	-13.9	Line 2	10.01
0.81	33.17	46	-12.83	Line 2	10.01
0.89	34.23	46	-11.77	Line 2	10.02
0.91	33.4	46	-12.6	Line 2	10.02
1	33.62	46	-12.38	Line 2	10.02
1.08	33.84	46	-12.16	Line 2	10.02
1.11	31.29	46	-14.71	Line 2	10.02
1.15	33.15	46	-12.85	Line 2	10.02
1.25	32.89	46	-13.11	Line 2	10.02
1.51	30.41	46	-15.59	Line 2	10.04
2.24	28.45	46	-17.55	Line 2	10.04
7.09	31.95	50	-18.05	Line 2	10.12

5.0 List of Test Equipment

Measurement equipment used for compliance testing utilized the equipment on the following list:

Equipment	Manufacturer	Model/Type	Asset #	Cal Int	Cal Due
EMI Test Receiver	Rohde & Schwarz	ESU40	3005	12	10/01/2025
EMI Test Receiver	Rohde & Schwarz	ESW26	5249	12	10/15/2025
9kHz-30MHz Loop Antenna (Passive)	ETS	6512	876	12	08/27/2025
30MHz-1GHz Bi-Log Antenna	Sunol Sciences Corp.	JB6	1324	12	4/24/2025
700 MHz to 18 GHz Horn Antenna	AH Systems	SAS-571	1059	12	4/17/2025
18 – 26 GHz Double Ridge Guide Antenna	ETS Lindgren	3116C	3696	12	8/20/2025
18-26 GHz Preamp	Miteq Inc.	AMF-6F1800265	967	12	4/16/2025
NOTCH FILTER	MICRO-TRONICS	BRC50702	5028	12	5/21/2025
30 MHz-1 GHz Preamp	Com-Power	PAM-103	5484	12	4/16/2025
1-4 GHz Preamp	EMC Shop	PA18G-HB	5269	12	10/10/2025
4-18 GHz Preamp	Narda	DBL-0618N615	3623	12	8/26/2025
18 GHz RF Cable	Maury Microwave	SF-N-MM-157-LP	5617	12	9/25/2025
18 GHz RF Cable	Maury Microwave	SF-N-MM-275-LP	5620	12	9/25/2025
40 GHz RF Cable	Megaphase	GC12-K1K1-236	5472	12	2/26/2025
RF Cable	Megaphase	F520-N1N1-118	5030	12	8/30/2025
LISN	Com-Power	LI-220A	5890	12	4/30/2025
Transient Limiter	Hewlett Packard	11947A	3611	12	9/24/2025

No Calibration required

Software used for emission compliance testing utilized the following:

Name	Manufacturer	Version	Template/Profile
TILE!	ETS Lindgren	7.5.5.6	Master Radiated Emissions
TILE!	ETS Lindgren	7.5.5.6	Master Band Edge Emissions
TILE!	ETS Lindgren	7.5.5.6	Master Unwanted Conducted Emissions
TILE!	ETS Lindgren	7.5.5.6	Master Conducted Emission

6.0 Document History

Revision/ Job Number	Writer Initials	Reviewers Initials	Date	Change
1.0/ G106061900	KP	AS	February 27, 2025	Original document

END OF REPORT