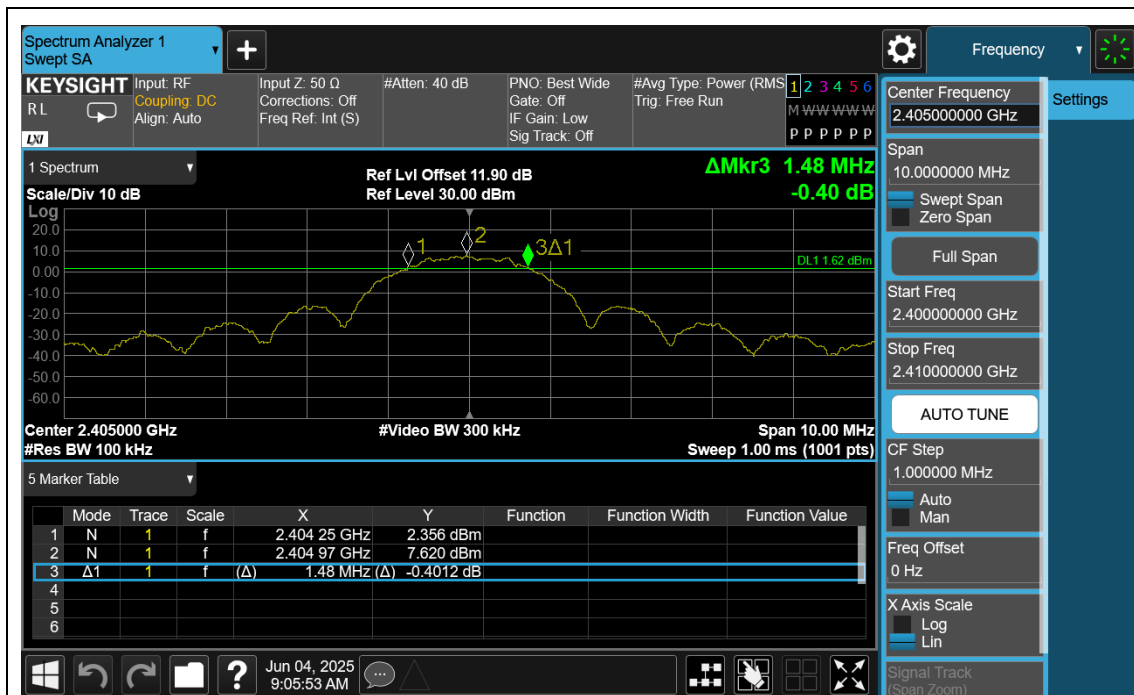


Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZIGB	Ant1	2405	1.480	2404.250	2405.730	0.5	PASS
		2440	1.540	2439.260	2440.800	0.5	PASS
		2480	1.410	2479.270	2480.680	0.5	PASS

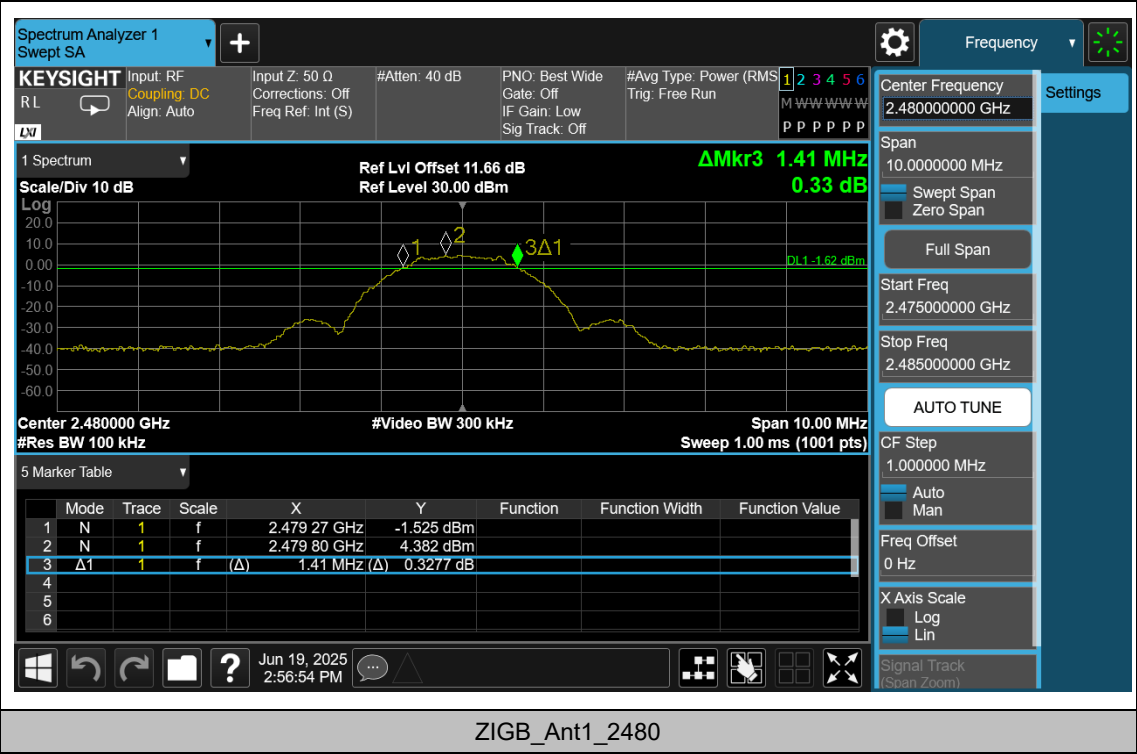
Test Graphs



ZIGB_Ant1_2405



ZIGB_Ant1_2440

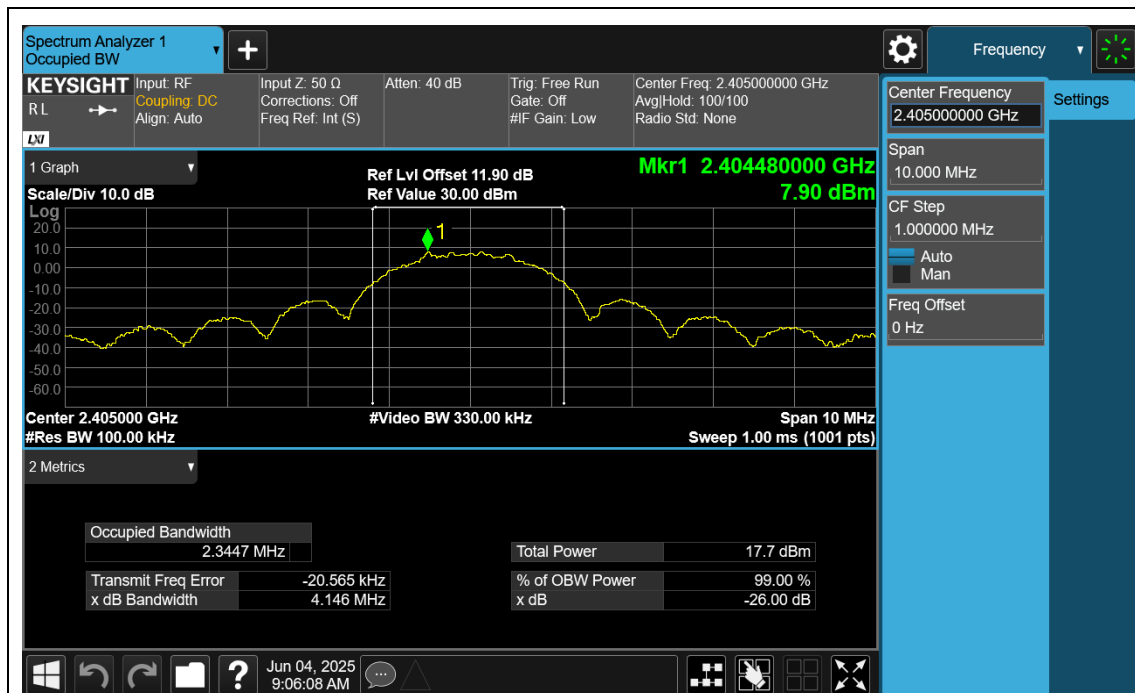


Appendix B: Occupied Channel Bandwidth

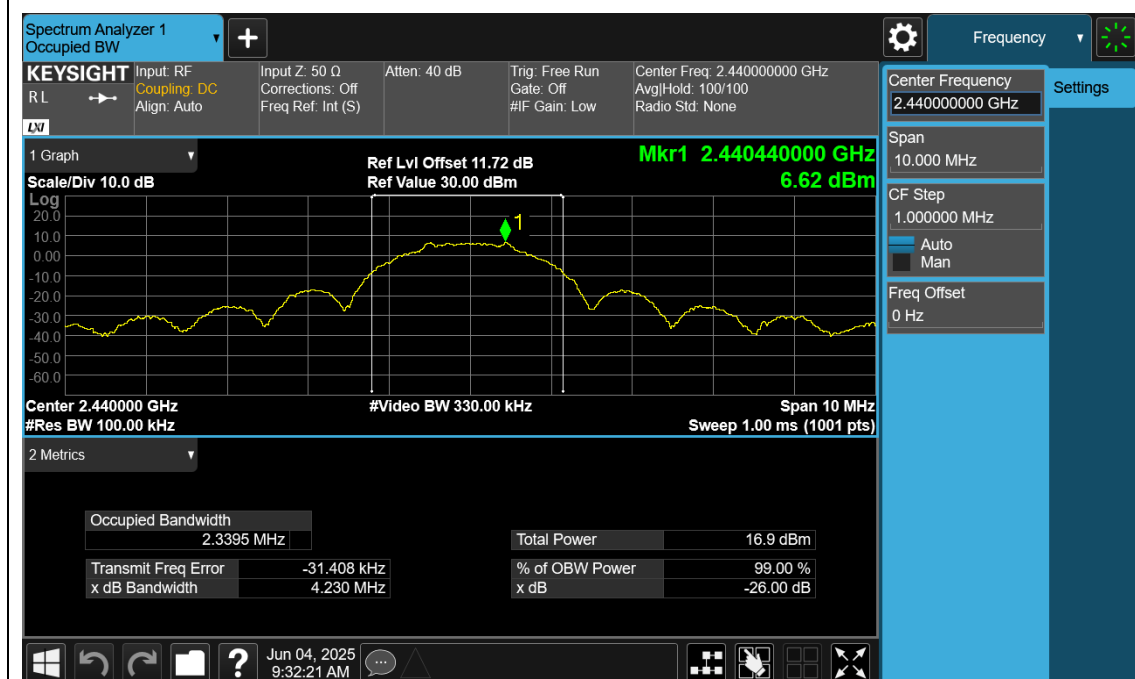
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZIGB	Ant1	2405	2.3447	2403.8071	2406.1518	---	---
		2440	2.3395	2438.7988	2441.1383	---	---
		2480	2.0671	2478.9451	2481.0122	---	---

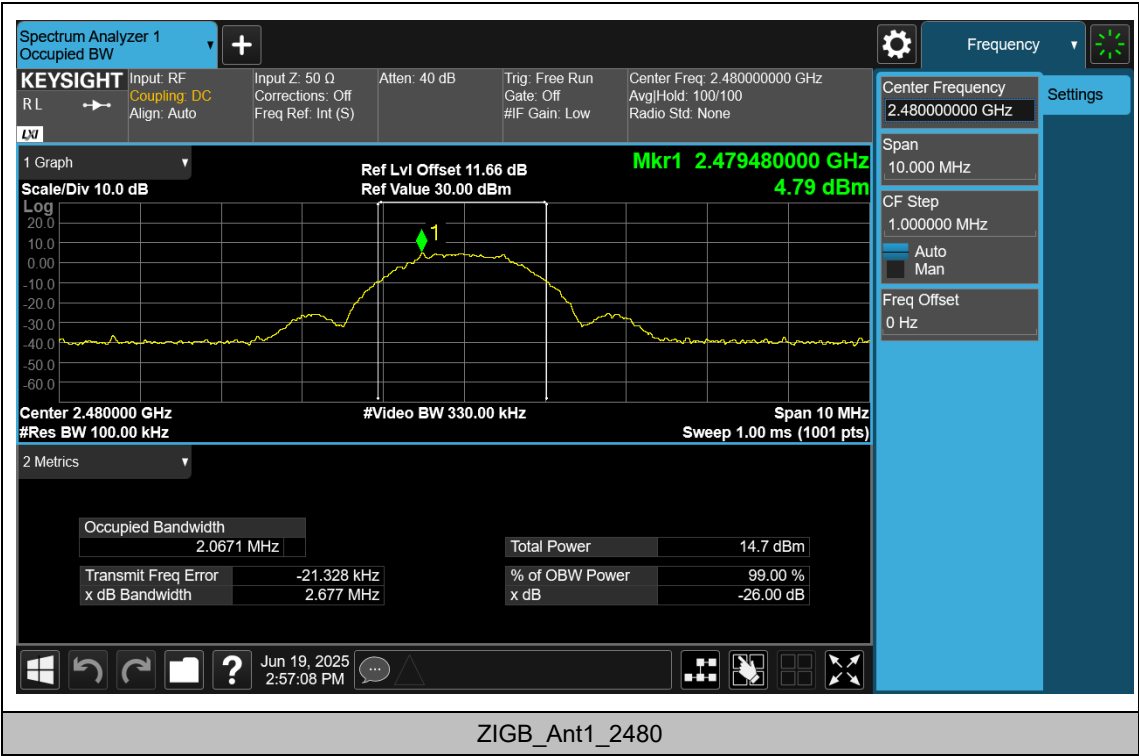
Test Graphs



ZIGB_Ant1_2405



ZIGB_Ant1_2440

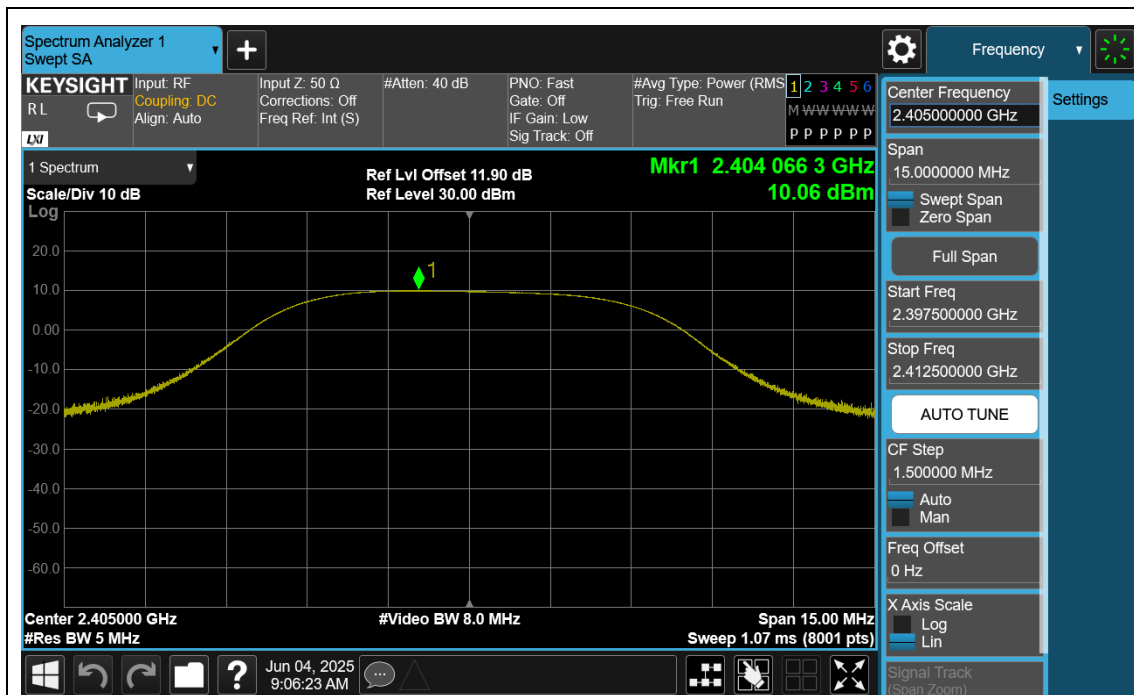


Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
ZIGB	Ant1	2405	10.06	≤30	PASS
		2440	9.23	≤30	PASS
		2480	6.92	≤30	PASS

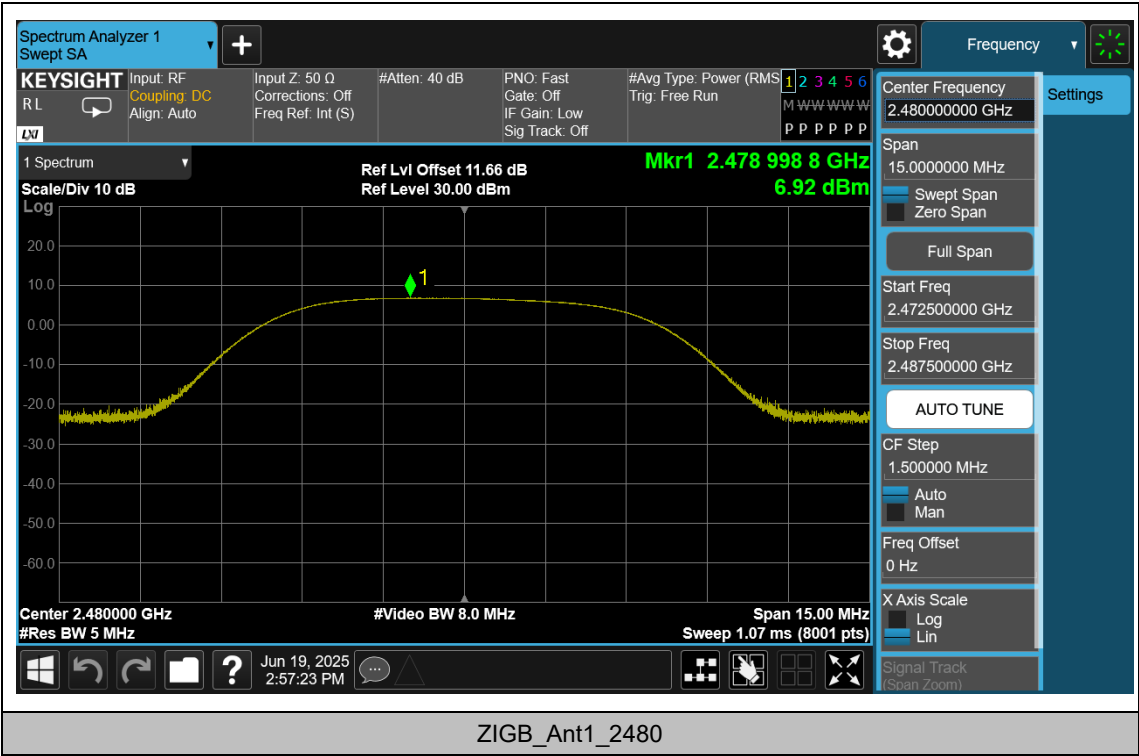
Test Graphs



ZIGB_Ant1_2405



ZIGB_Ant1_2440

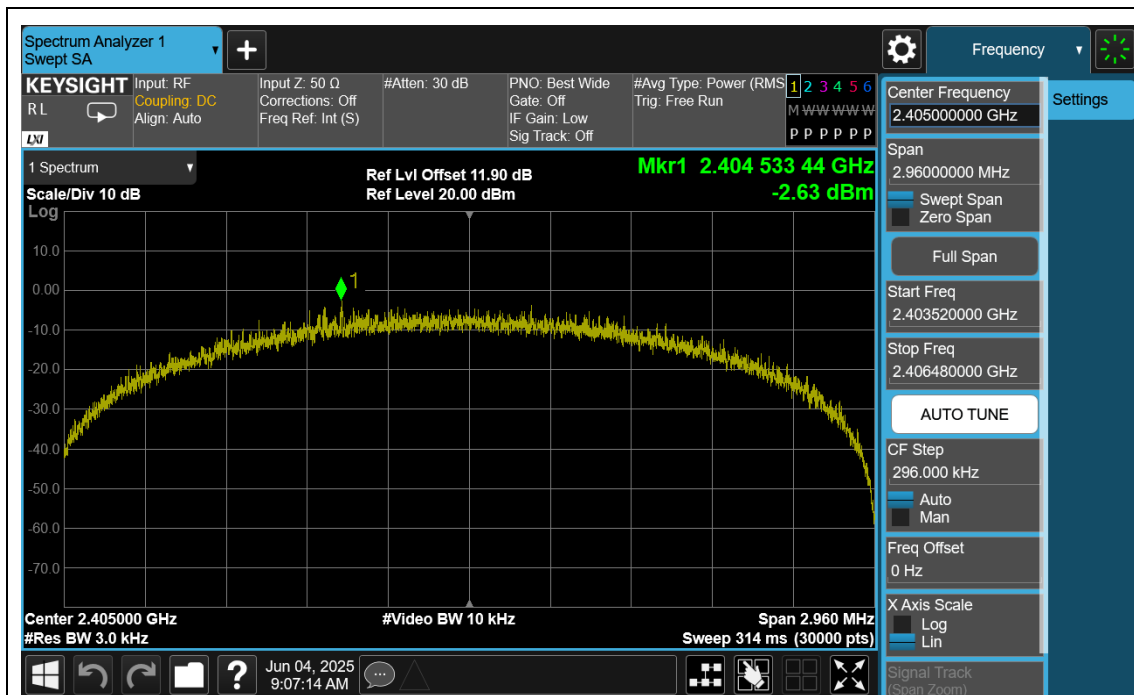


Appendix D: Maximum power spectral density

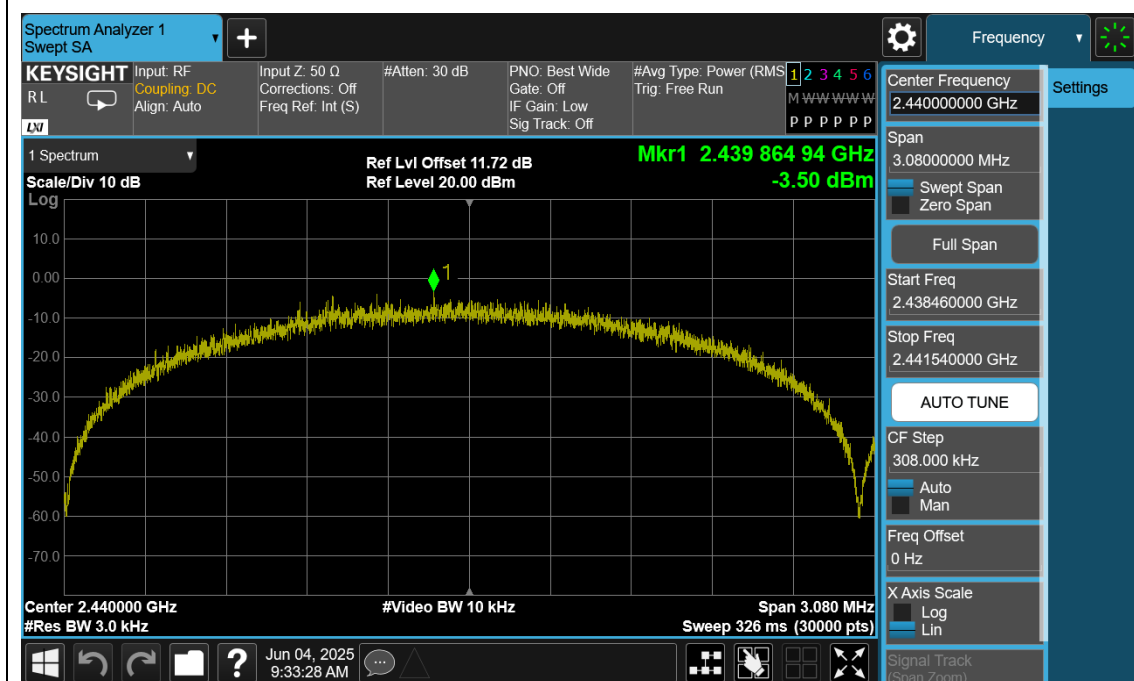
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
ZIGB	Ant1	2405	-2.63	≤8.00	PASS
		2440	-3.50	≤8.00	PASS
		2480	-6.09	≤8.00	PASS

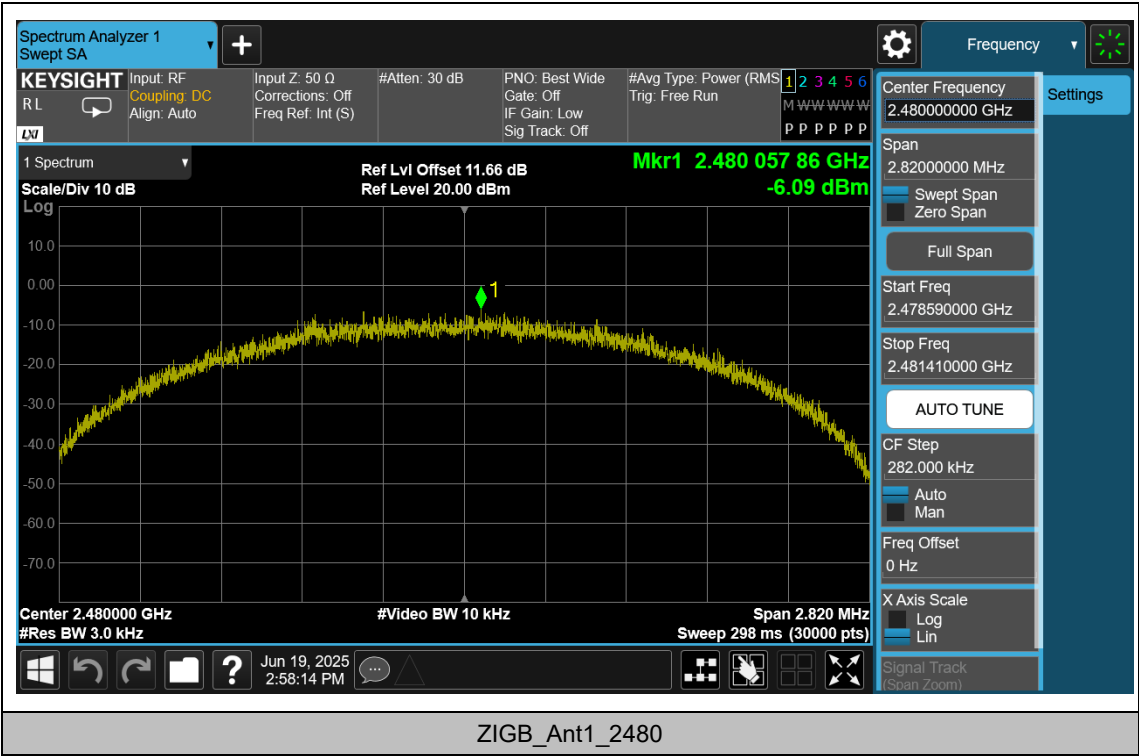
Test Graphs



ZIGB_Ant1_2405



ZIGB_Ant1_2440

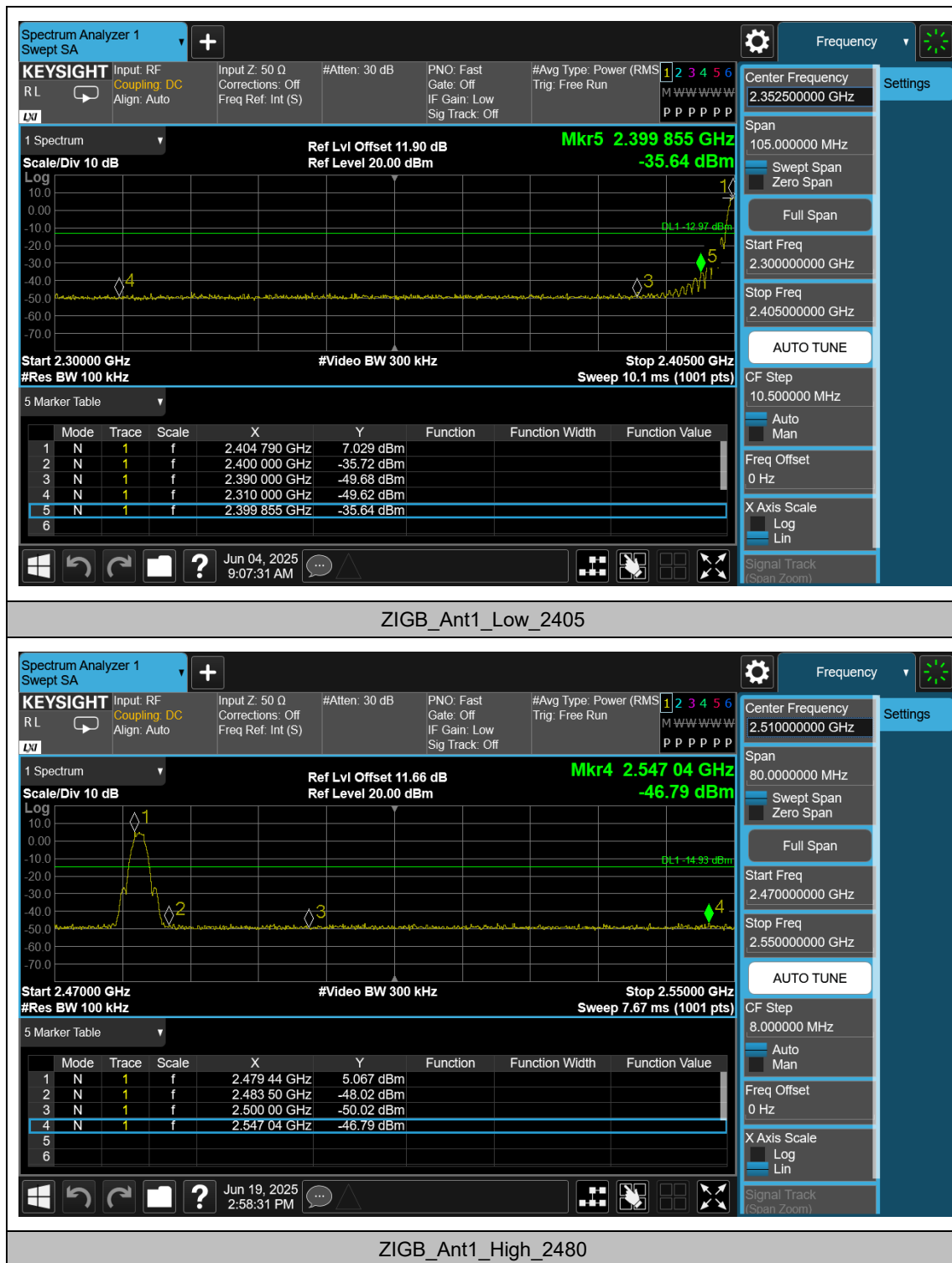


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
ZIGB	Ant1	Low	2405	7.03	-35.64	≤-12.97	PASS
			2480	5.07	-46.79	≤-14.93	PASS

Test Graphs

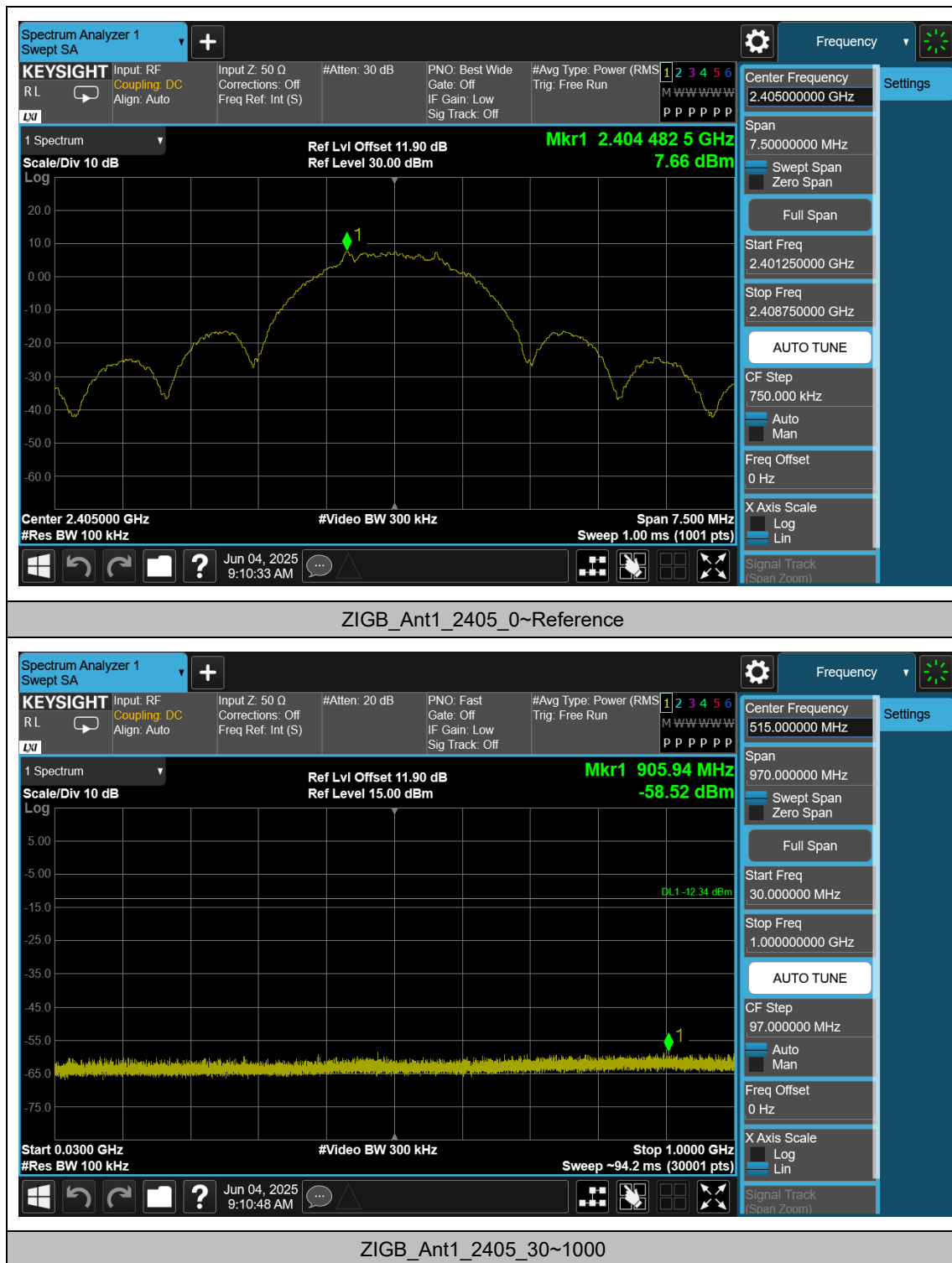


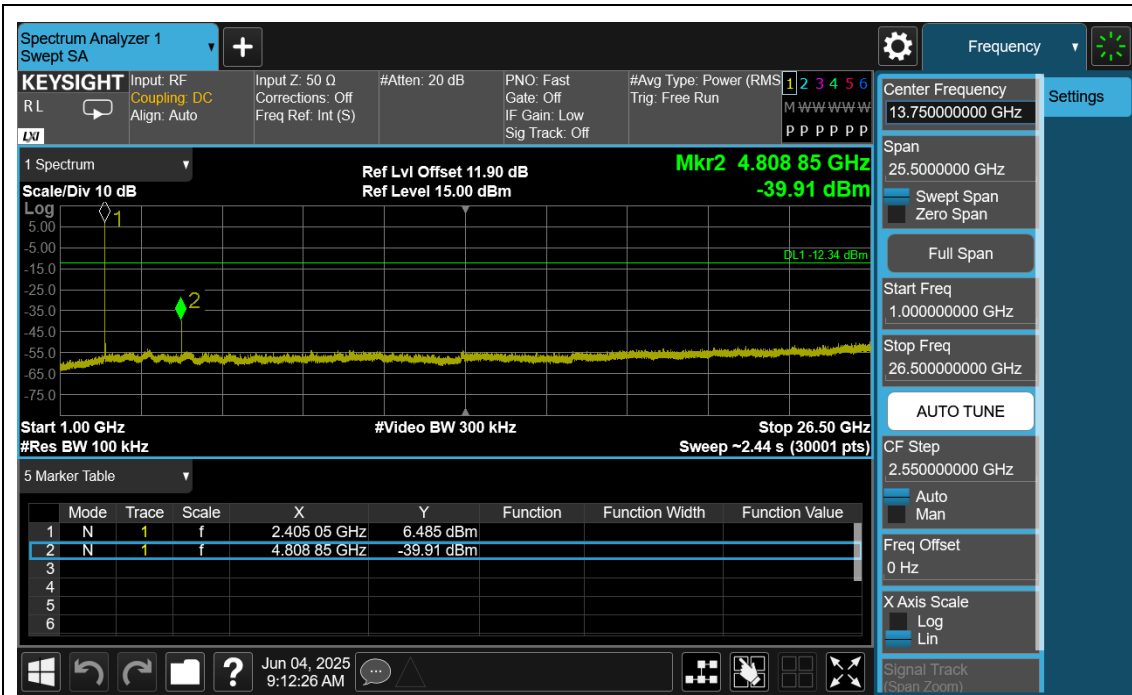
Appendix F: Conducted Spurious Emission

Test Result

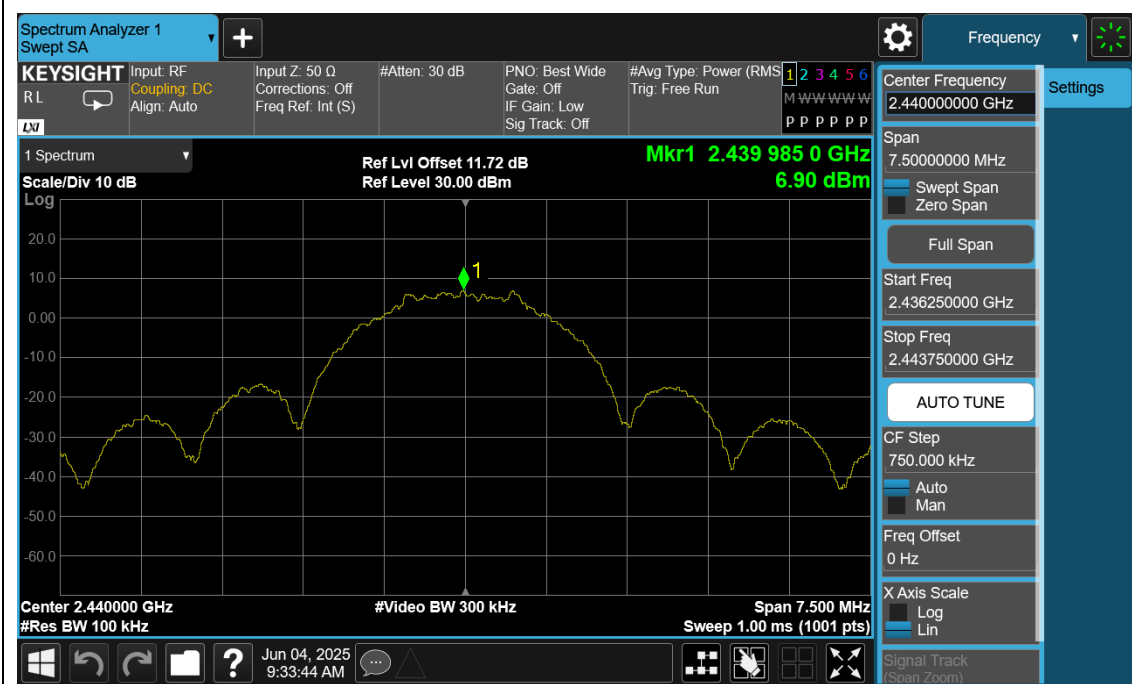
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
ZIGB	Ant1	2405	Reference	7.66	7.66	---	PASS
			30~1000	7.66	-58.52	≤-12.34	PASS
			1000~26500	7.66	-39.91	≤-12.34	PASS
		2440	Reference	6.90	6.90	---	PASS
			30~1000	6.90	-58.61	≤-13.1	PASS
			1000~26500	6.90	-40.25	≤-13.1	PASS
		2480	Reference	4.79	4.79	---	PASS
			30~1000	4.79	-57.91	≤-15.21	PASS
			1000~26500	4.79	-42.37	≤-15.21	PASS

Test Graphs

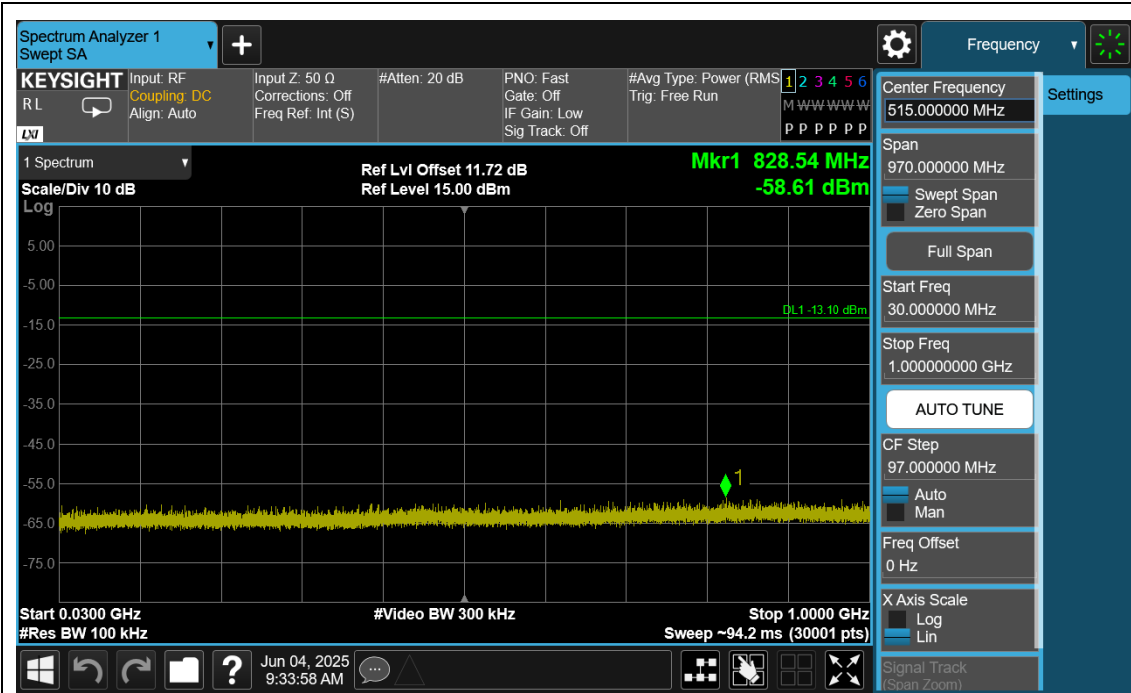




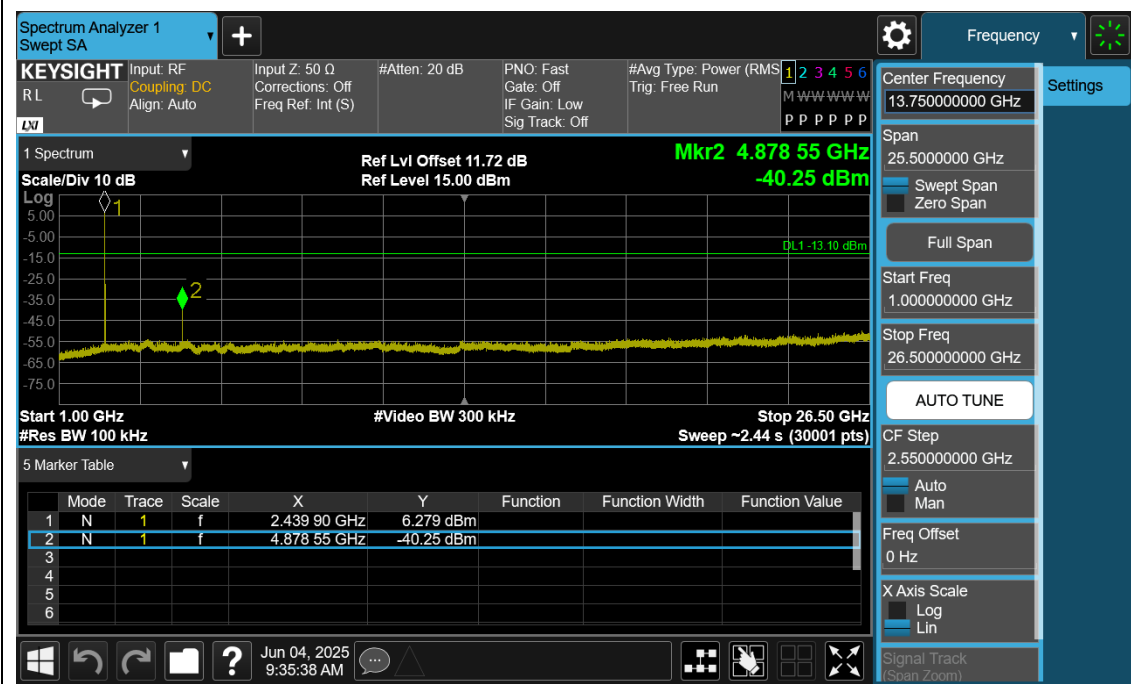
ZIGB_Ant1_2405_1000~26500



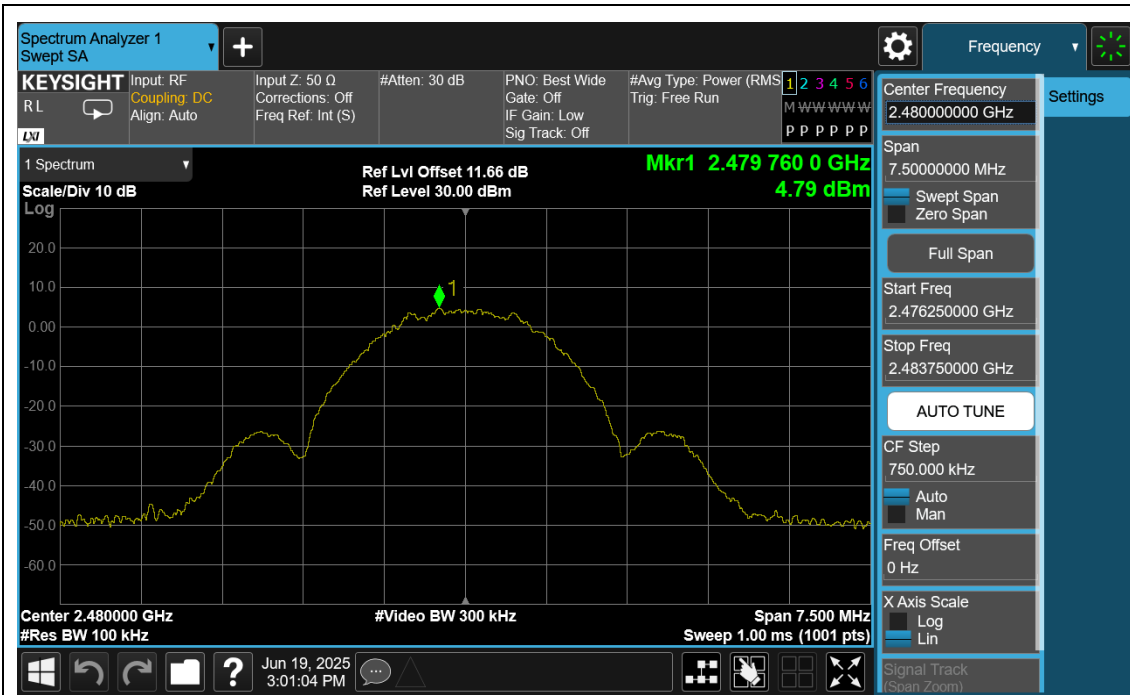
ZIGB_Ant1_2440_0~Reference



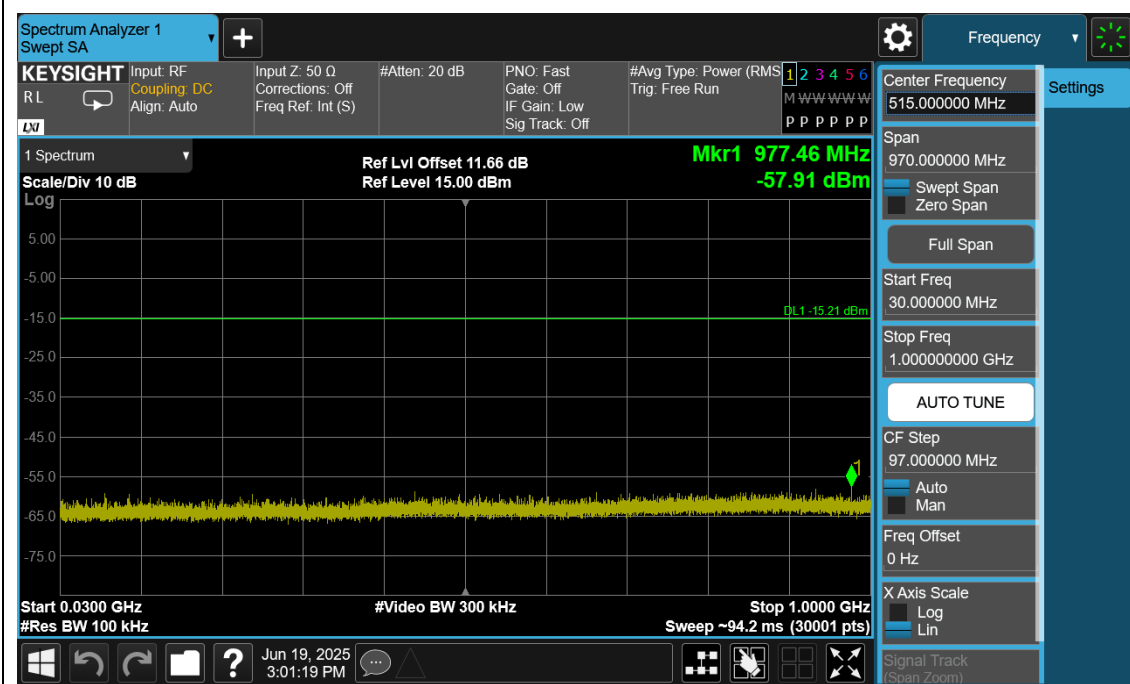
ZIGB_Ant1_2440_30~1000



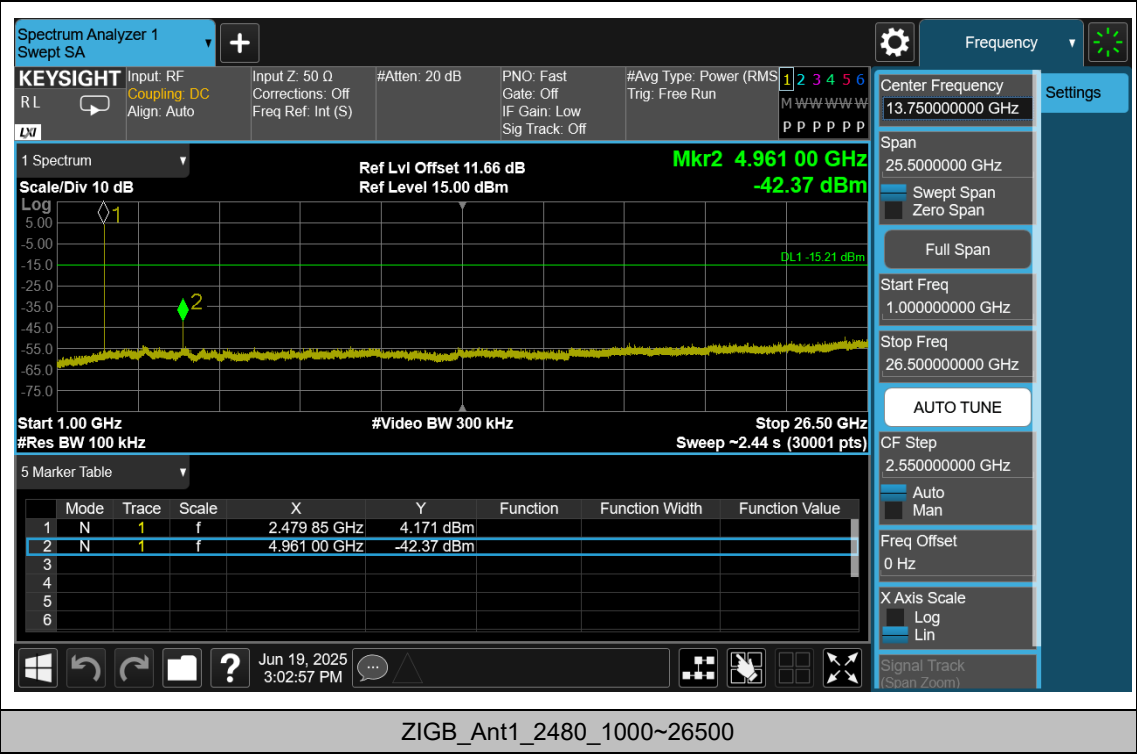
ZIGB_Ant1_2440_1000~26500



ZIGB_Ant1_2480_0~Reference



ZIGB_Ant1_2480_30~1000

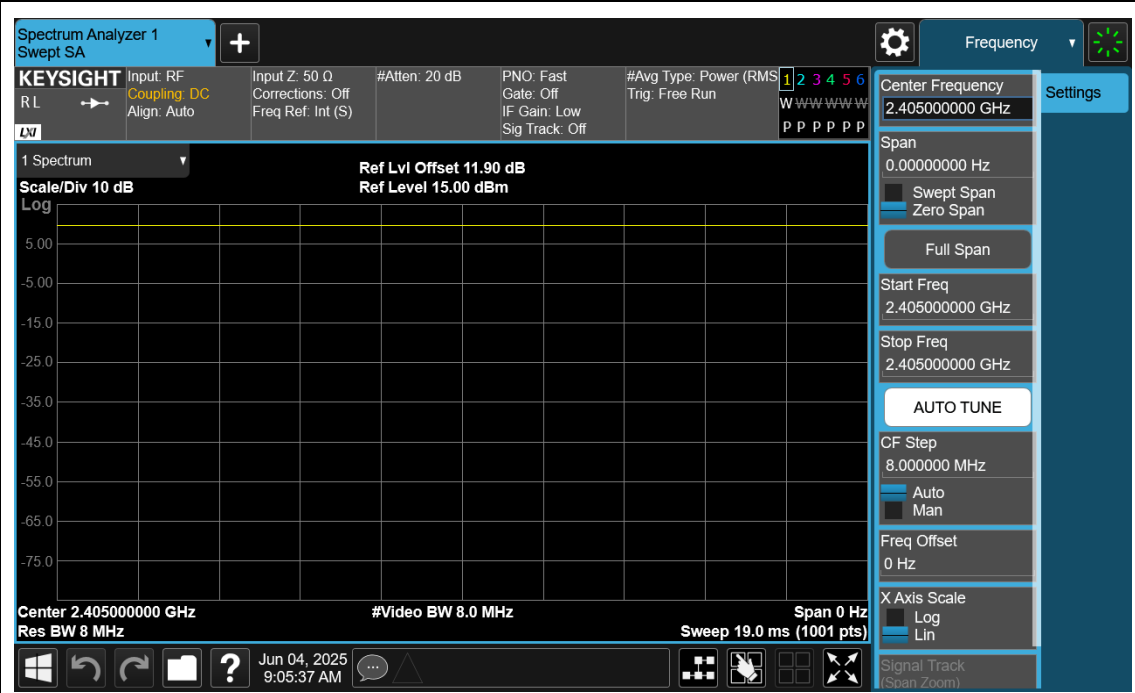


Appendix G: Duty Cycle

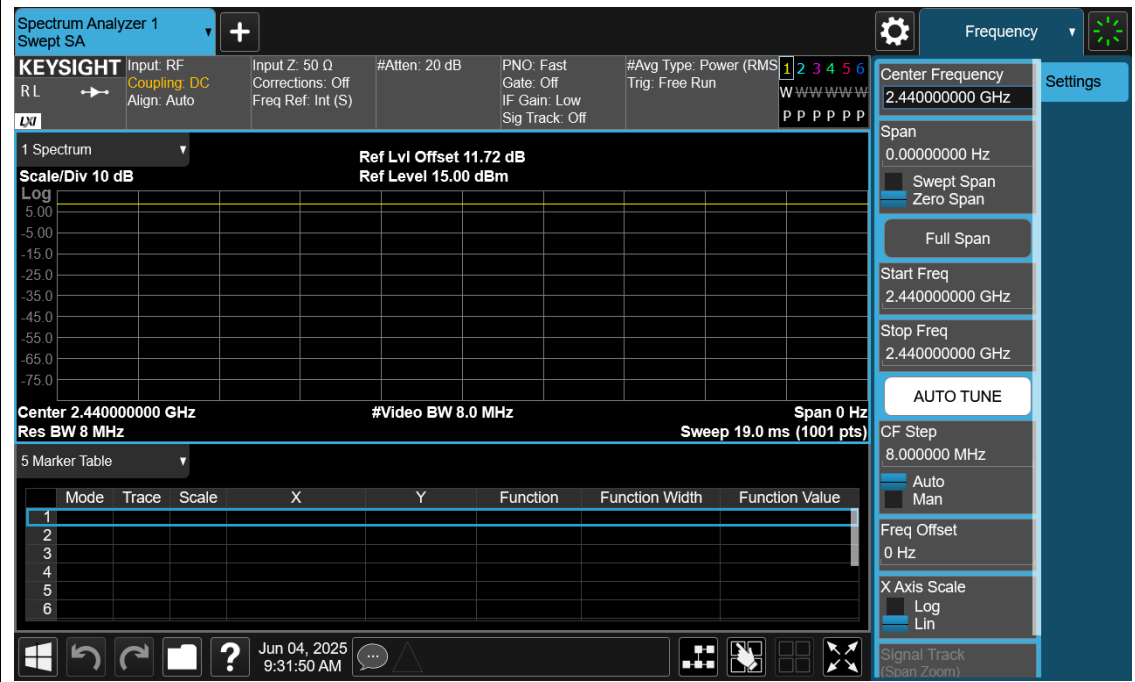
Test Result

TestMode	Antenna	Frequency[MHz]	Duty Cycle [%]
ZIGB	Ant1	2405	100.00
		2440	100.00
		2480	100.00

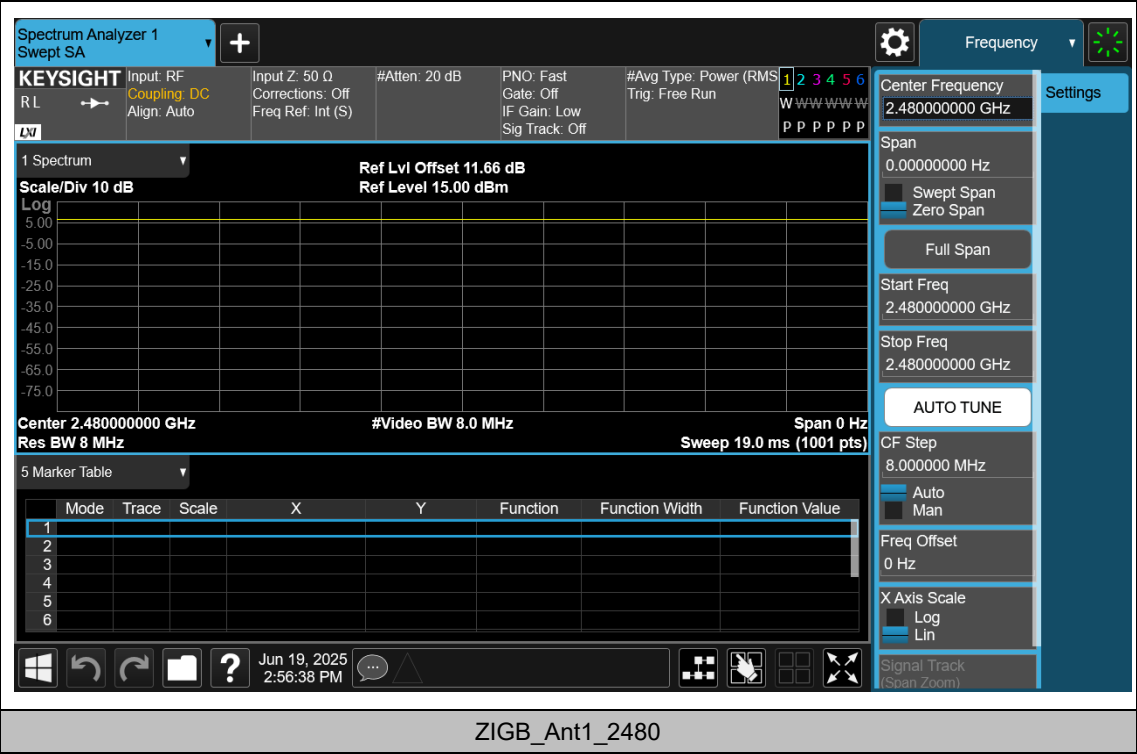
Test Graphs



ZIGB_Ant1_2405



ZIGB_Ant1_2440



Appendix H: Emissions in Restricted Bands

Test Result

Mode:	2405
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Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	6.82	45.10	74.00	28.90	41.82	54.00	12.18	150	93	Horizontal	PASS
2	2320.96	6.84	46.56	74.00	27.44	41.22	54.00	12.78	150	326	Horizontal	PASS
3	2329.44	6.87	45.42	74.00	28.58	41.82	54.00	12.18	150	137	Horizontal	PASS
4	2346.24	6.90	45.61	74.00	28.39	41.32	54.00	12.68	150	66	Horizontal	PASS
5	2364.88	7.12	46.34	74.00	27.66	41.00	54.00	13.00	150	317	Horizontal	PASS
6	2390	7.73	44.96	74.00	29.04	42.33	54.00	11.67	150	202	Horizontal	PASS

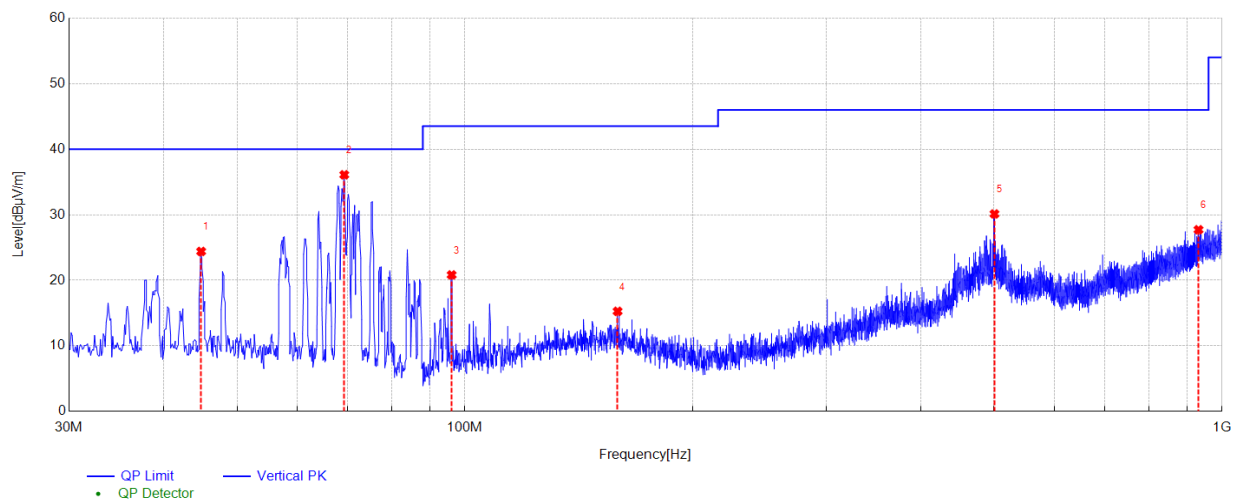
Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	6.82	44.01	74.00	29.99	41.68	54.00	12.32	150	108	Vertical	PASS
2	2330.32	6.87	45.78	74.00	28.22	40.35	54.00	13.65	150	108	Vertical	PASS
3	2345.6	6.90	46.32	74.00	27.68	40.87	54.00	13.13	150	155	Vertical	PASS
4	2363.84	7.11	45.07	74.00	28.93	41.14	54.00	12.86	150	108	Vertical	PASS
5	2369.36	7.18	45.64	74.00	28.36	41.30	54.00	12.70	150	195	Vertical	PASS
6	2390	7.73	45.05	74.00	28.95	41.98	54.00	12.02	150	246	Vertical	PASS

Mode:	2480
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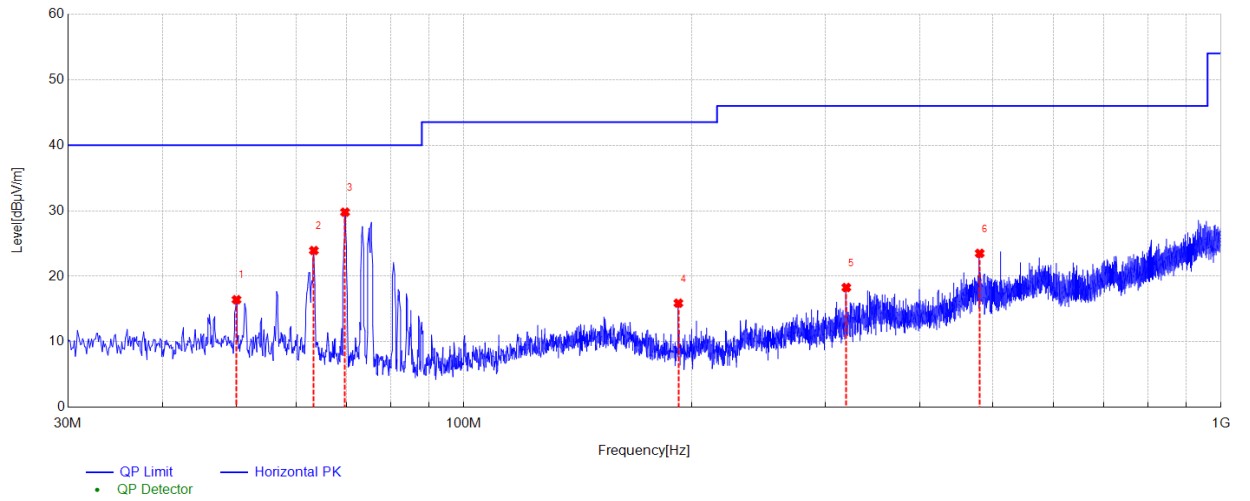
Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	6.54	52.06	74.00	21.94	49.90	54.00	4.10	150	320	Horizontal	PASS
2	2484.259	6.55	53.16	74.00	20.84	50.48	54.00	3.52	150	312	Horizontal	PASS
3	2487.0145	6.56	52.98	74.00	21.02	49.43	54.00	4.57	150	276	Horizontal	PASS
4	2488.351	6.55	53.45	74.00	20.55	49.69	54.00	4.31	150	69	Horizontal	PASS
5	2492.1955	6.57	52.84	74.00	21.16	49.25	54.00	4.75	150	358	Horizontal	PASS
6	2500	6.58	52.67	74.00	21.33	48.41	54.00	5.59	150	285	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	6.54	51.43	74.00	22.57	49.65	54.00	4.35	150	230	Vertical	PASS
2	2484.1105	6.55	53.78	74.00	20.22	50.37	54.00	3.63	150	97	Vertical	PASS
3	2489.0275	6.56	53.55	74.00	20.45	48.31	54.00	5.69	150	325	Vertical	PASS
4	2492.839	6.57	53.53	74.00	20.47	48.98	54.00	5.02	150	274	Vertical	PASS
5	2498.746	6.57	52.70	74.00	21.30	51.45	54.00	2.55	150	148	Vertical	PASS
6	2500	6.58	51.33	74.00	22.67	49.24	54.00	4.76	150	317	Vertical	PASS

Appendix I: Spurious emissions



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	44.8425	24.41	-16.12	40.00	15.59	100	360	Vertical	PASS
2	69.2889	36.10	-18.43	40.00	3.90	100	90	Vertical	PASS
3	96.0636	20.83	-20.17	43.50	22.67	100	10	Vertical	PASS
4	159.119	15.28	-16.07	43.50	28.22	100	80	Vertical	PASS
5	500.594	30.13	-11.80	46.00	15.87	100	310	Vertical	PASS
6	931.026	27.72	-2.10	46.00	18.28	100	260	Vertical	PASS



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	50.0810	16.44	-16.45	40.00	23.56	100	320	Horizontal	PASS
2	63.3713	23.94	-17.56	40.00	16.06	100	70	Horizontal	PASS
3	69.6770	29.79	-18.57	40.00	10.21	100	120	Horizontal	PASS
4	192.006	15.91	-18.86	43.50	27.59	100	180	Horizontal	PASS
5	319.962	18.30	-15.45	46.00	27.70	100	40	Horizontal	PASS
6	480.028	23.51	-11.97	46.00	22.49	100	70	Horizontal	PASS

Mode:	2405
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Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1394	0.37	37.82	74.00	36.18	32.13	54.00	21.87	150	182	Horizontal	PASS
2	3903	-16.03	40.72	74.00	33.28	31.32	54.00	22.68	150	84	Horizontal	PASS
3	4812	-13.26	54.49	74.00	19.51	51.16	54.00	2.84	150	4	Horizontal	PASS
4	7215	-9.94	44.56	74.00	29.44	36.58	54.00	17.42	150	360	Horizontal	PASS
5	9681	-6.31	45.19	74.00	28.81	35.63	54.00	18.37	150	175	Horizontal	PASS
6	11250	-3.21	47.73	74.00	26.27	38.33	54.00	15.67	150	66	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1190	0.17	38.49	74.00	35.51	32.71	54.00	21.29	150	18	Vertical	PASS
2	1856	5.43	42.17	74.00	31.83	37.30	54.00	16.70	150	158	Vertical	PASS
3	4809	-13.24	49.78	74.00	24.22	33.95	54.00	20.05	150	108	Vertical	PASS
4	6462	-10.59	42.35	74.00	31.65	35.07	54.00	18.93	150	301	Vertical	PASS
5	9621	-6.50	53.92	74.00	20.08	45.33	54.00	8.67	150	100	Vertical	PASS
6	14106	-0.16	48.23	74.00	25.77	38.28	54.00	15.72	150	272	Vertical	PASS

Mode:	2440
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Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1212	0.34	37.94	74.00	36.06	32.41	54.00	21.59	150	185	Horizontal	PASS
2	1890	6.18	43.43	74.00	30.57	36.82	54.00	17.18	150	303	Horizontal	PASS
3	4881	-13.44	54.45	74.00	19.55	47.48	54.00	6.52	150	52	Horizontal	PASS
4	7323	-9.78	46.76	74.00	27.24	38.43	54.00	15.57	150	353	Horizontal	PASS
5	9759	-6.33	48.59	74.00	25.41	39.45	54.00	14.55	150	332	Horizontal	PASS
6	12918	-0.94	47.93	74.00	26.07	39.08	54.00	14.92	150	344	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1890	6.18	43.79	74.00	30.21	37.17	54.00	16.83	150	295	Vertical	PASS
2	4878	-13.43	49.15	74.00	24.85	32.98	54.00	21.02	150	128	Vertical	PASS
3	5262	-12.51	46.31	74.00	27.69	34.08	54.00	19.92	150	166	Vertical	PASS
4	7317	-9.76	44.13	74.00	29.87	34.78	54.00	19.22	150	61	Vertical	PASS
5	9762	-6.34	53.73	74.00	20.27	42.67	54.00	11.33	150	93	Vertical	PASS
6	11865	-2.44	47.33	74.00	26.67	38.42	54.00	15.58	150	134	Vertical	PASS

Mode:	2480
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Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1596	42.67	0.38	74.00	31.33	150	131	Horizontal	PASS
2	3543	42.09	-17.27	74.00	31.91	150	76	Horizontal	PASS
3	4962	52.88	-13.68	74.00	21.12	150	289	Horizontal	PASS
4	7281	45.67	-9.76	74.00	28.33	150	319	Horizontal	PASS
5	9918	52.93	-6.07	74.00	21.07	150	207	Horizontal	PASS
6	12639	49.60	-1.43	74.00	24.40	150	293	Horizontal	PASS

Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1596	46.47	0.38	74.00	27.53	150	105	Vertical	PASS
2	4959	49.90	-13.68	74.00	24.10	150	337	Vertical	PASS
3	6000	47.92	-11.55	74.00	26.08	150	128	Vertical	PASS
4	8634	46.80	-8.53	74.00	27.20	150	95	Vertical	PASS
5	9921	57.80	-6.08	74.00	16.20	150	304	Vertical	PASS
6	11889	49.08	-2.39	74.00	24.92	150	355	Vertical	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	9918.18	-6.08	58.86	74.00	15.14	53.21	54.00	0.79	184.3	295.8	Vertical	PASS