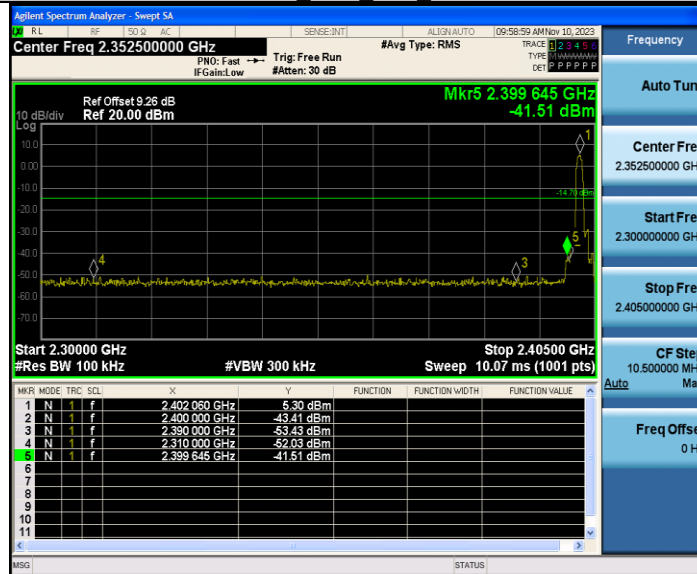


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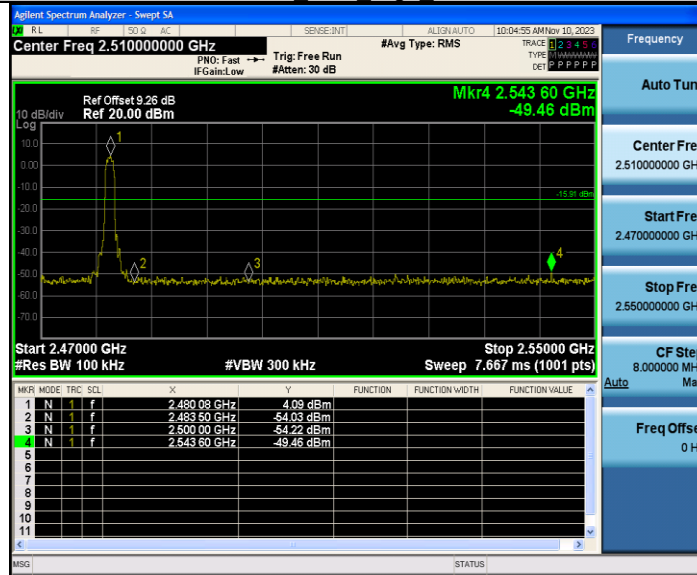
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3DH5 Ant2 Low 2402



3DH5 Ant2 High 2480



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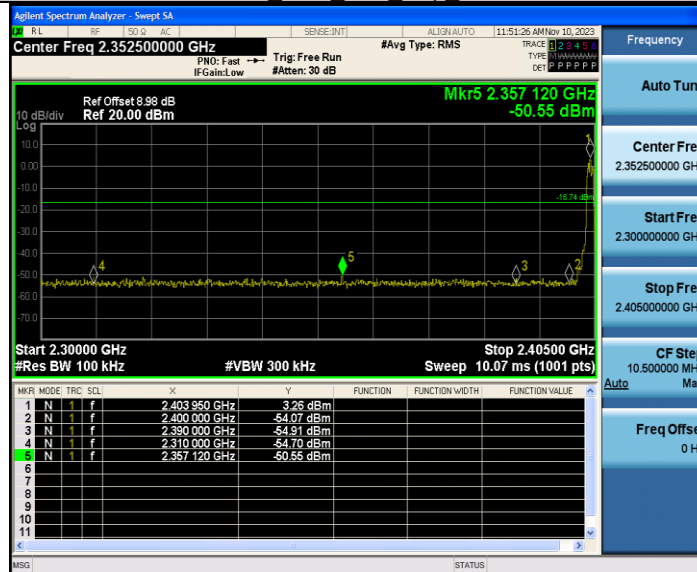
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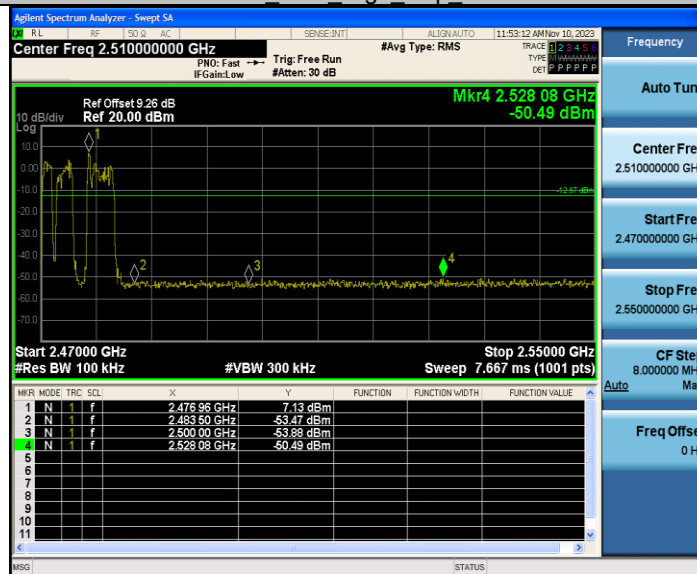
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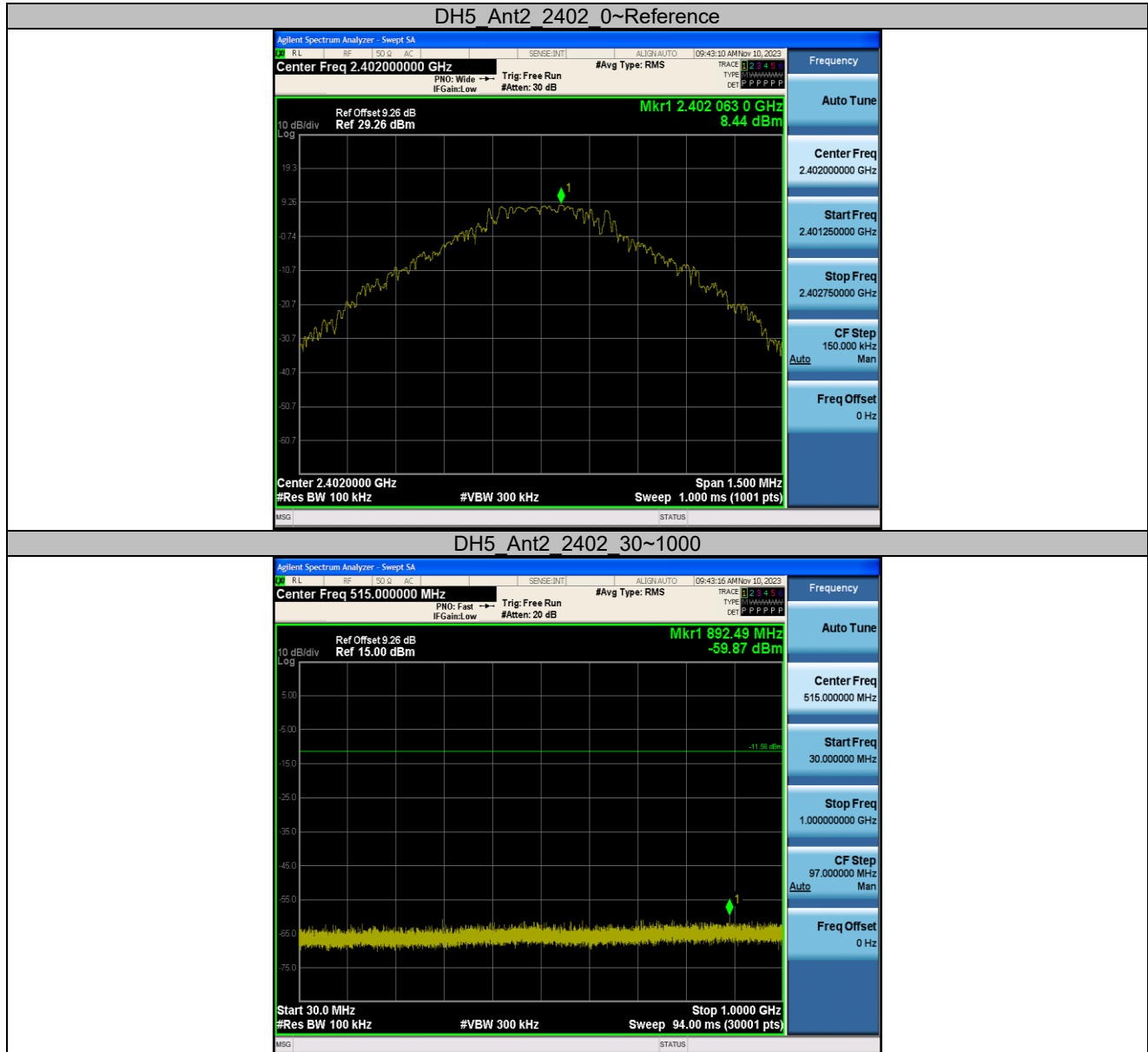


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Conducted Spurious Emission Test Graphs



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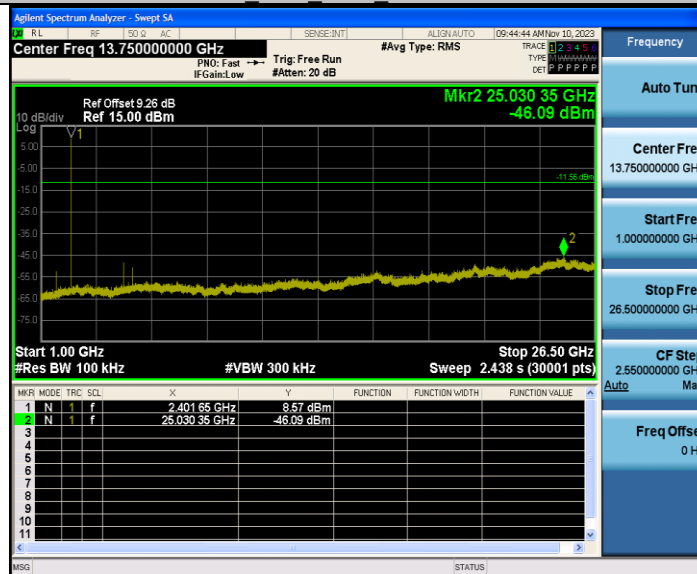
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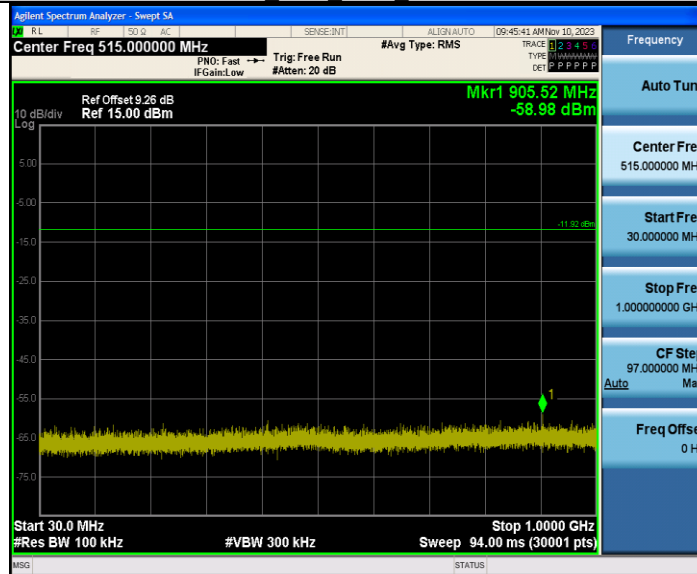
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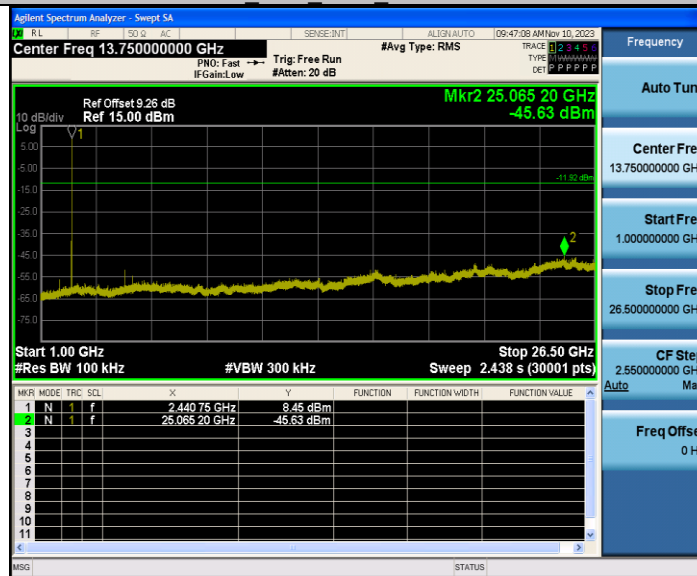
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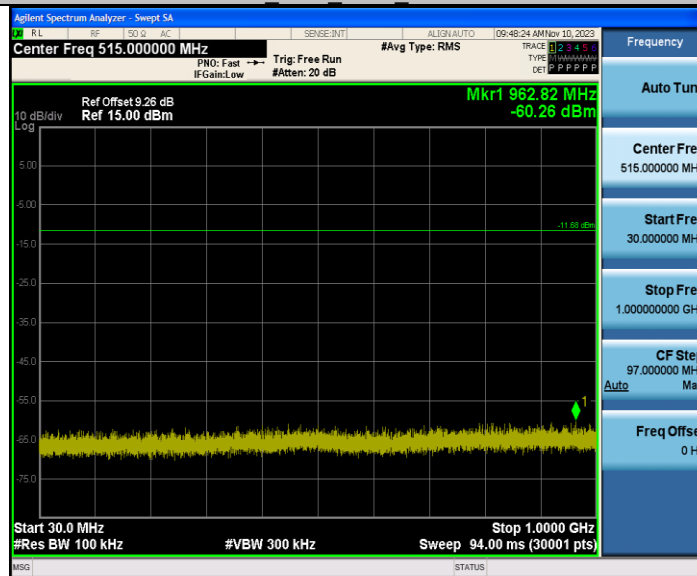
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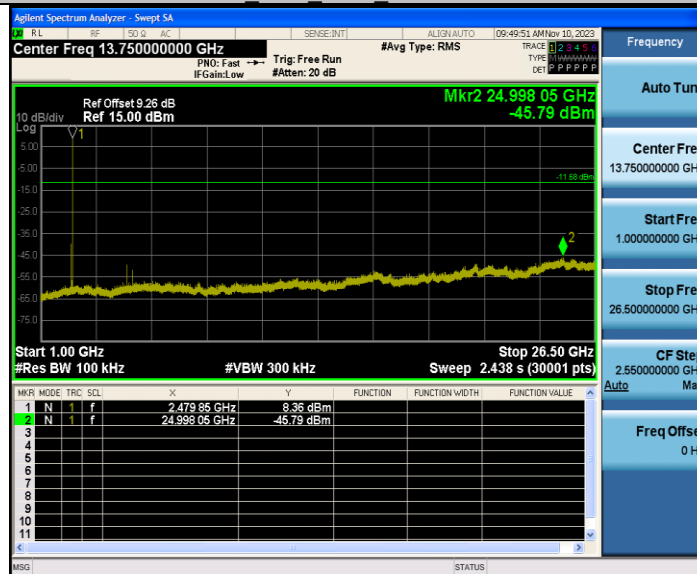
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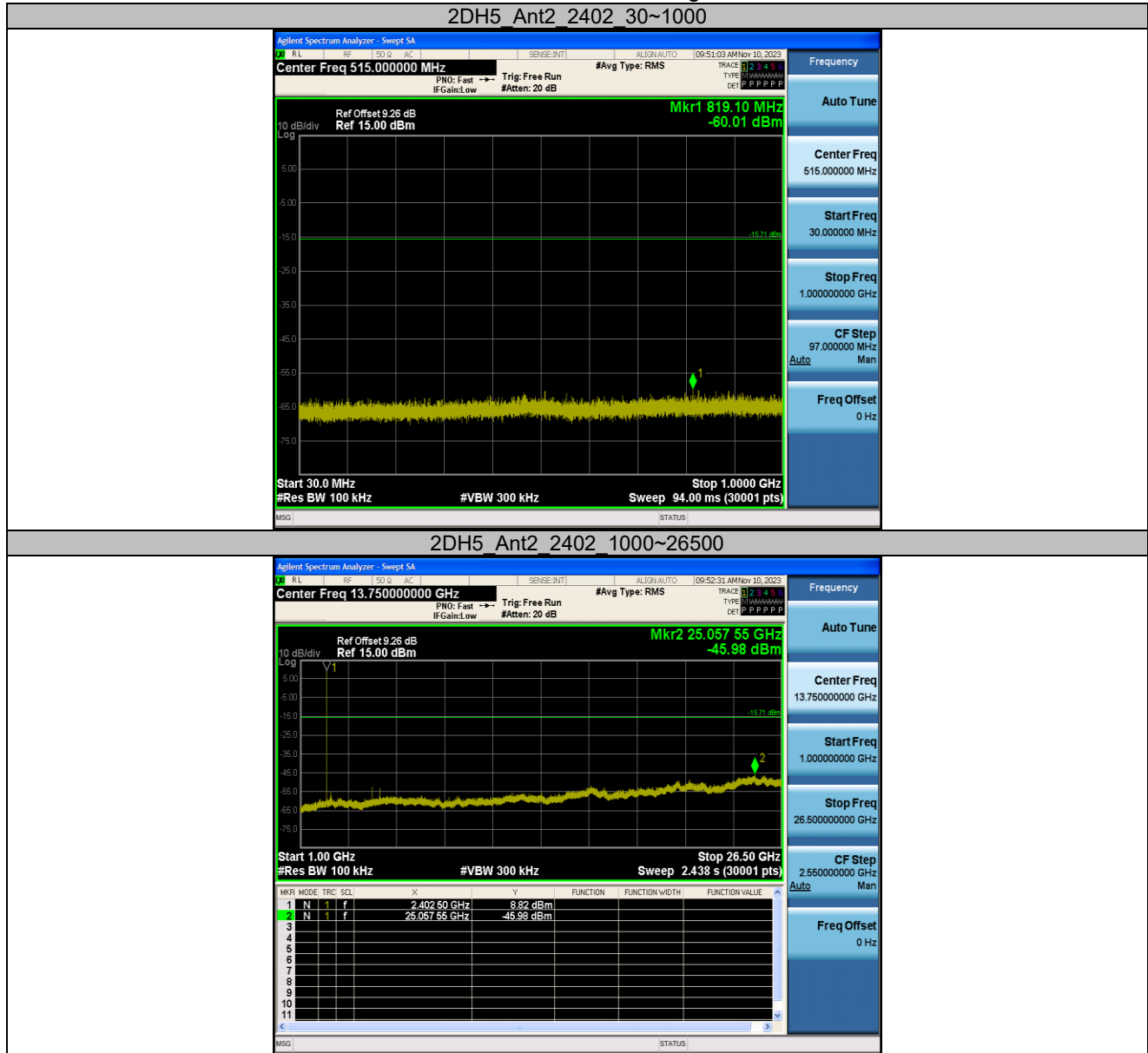
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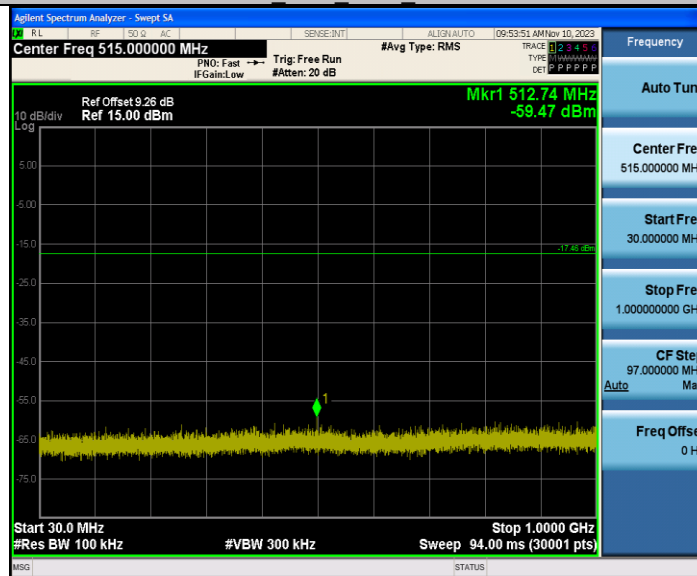
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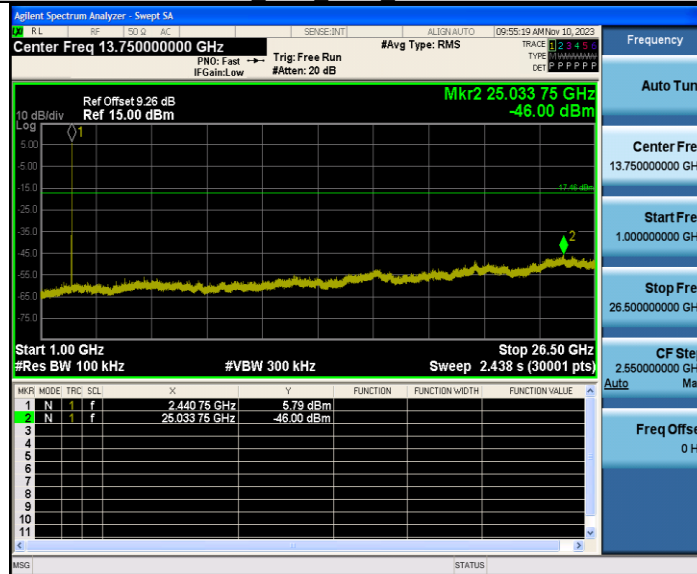
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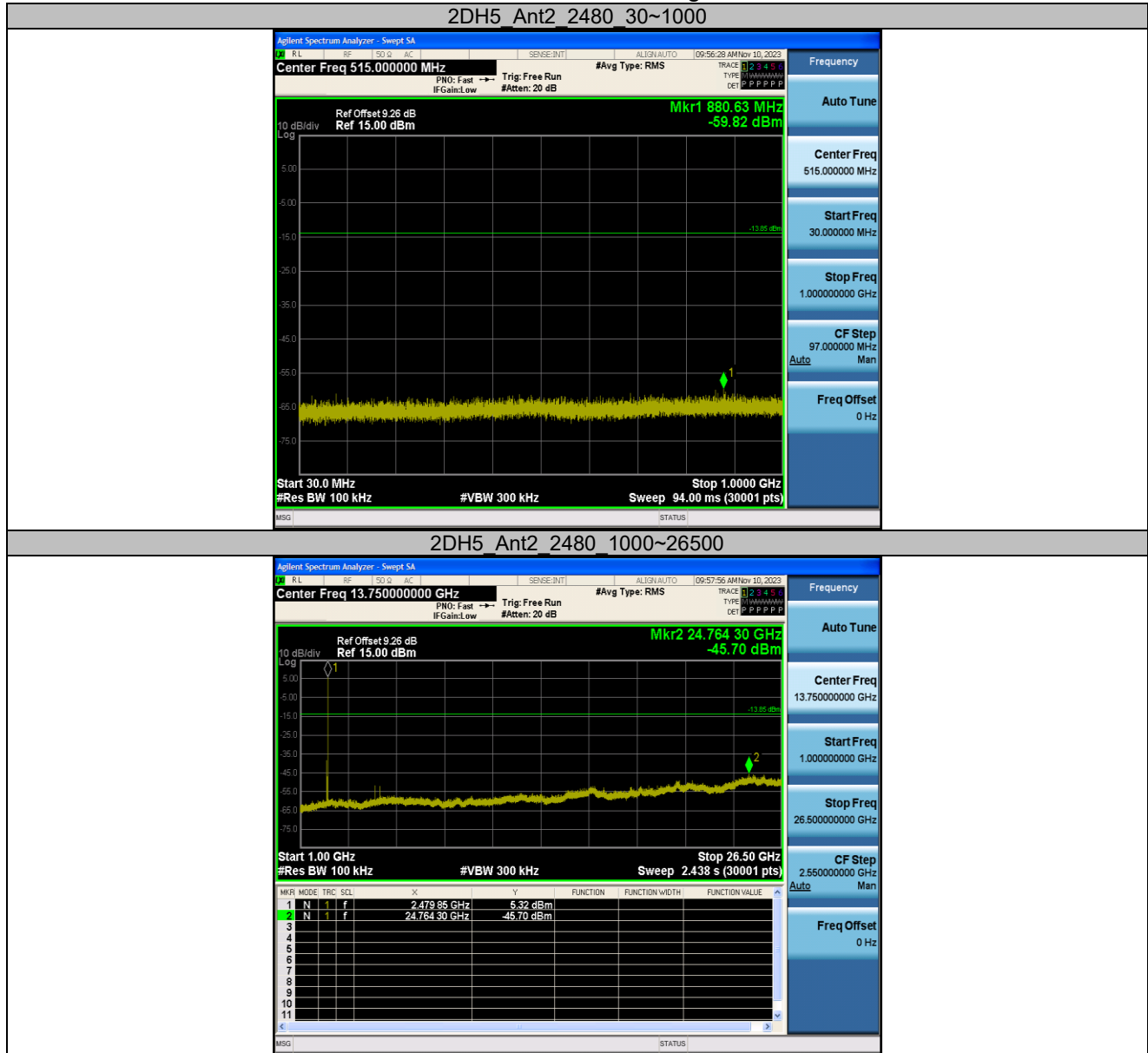
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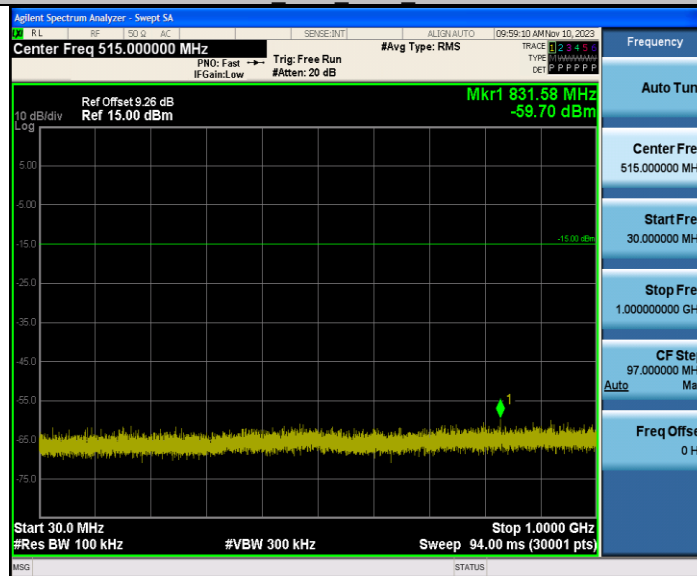
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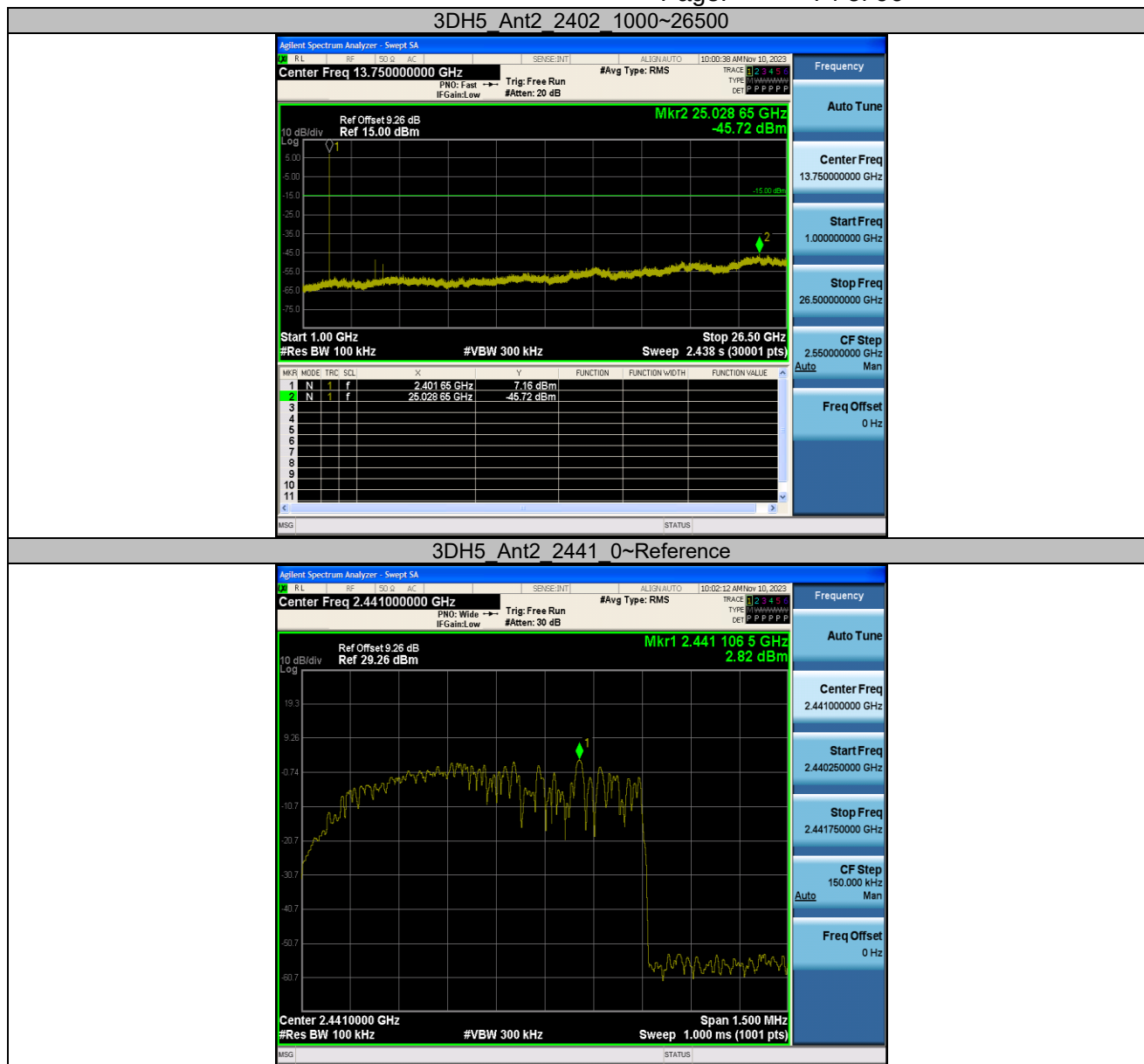
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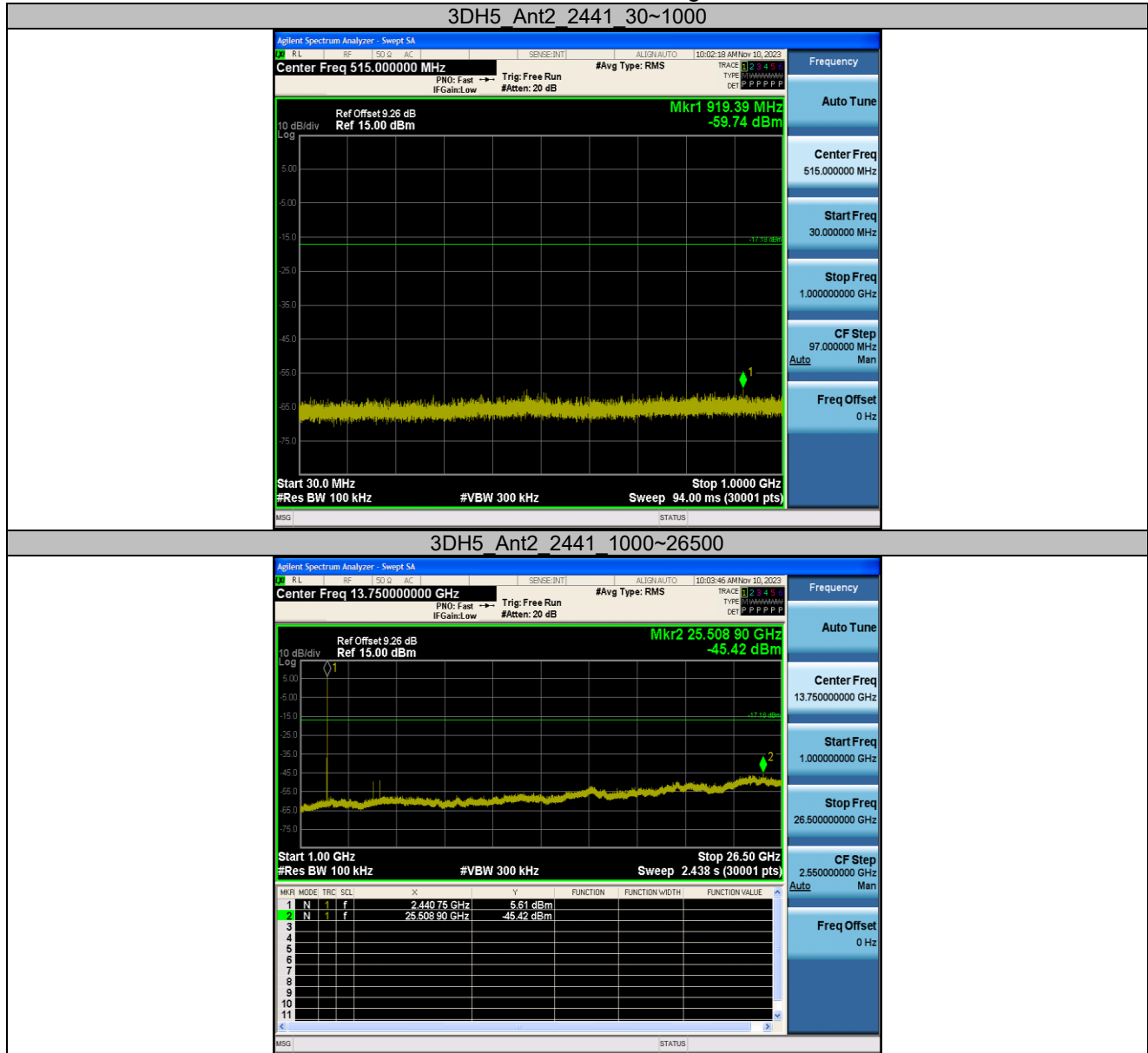
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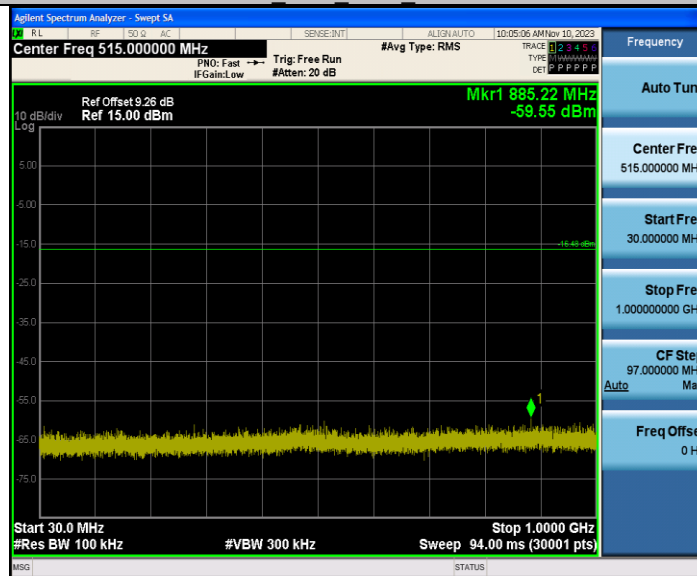
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3DH5 Ant2 2480 0~Reference



3DH5 Ant2 2480 30~1000



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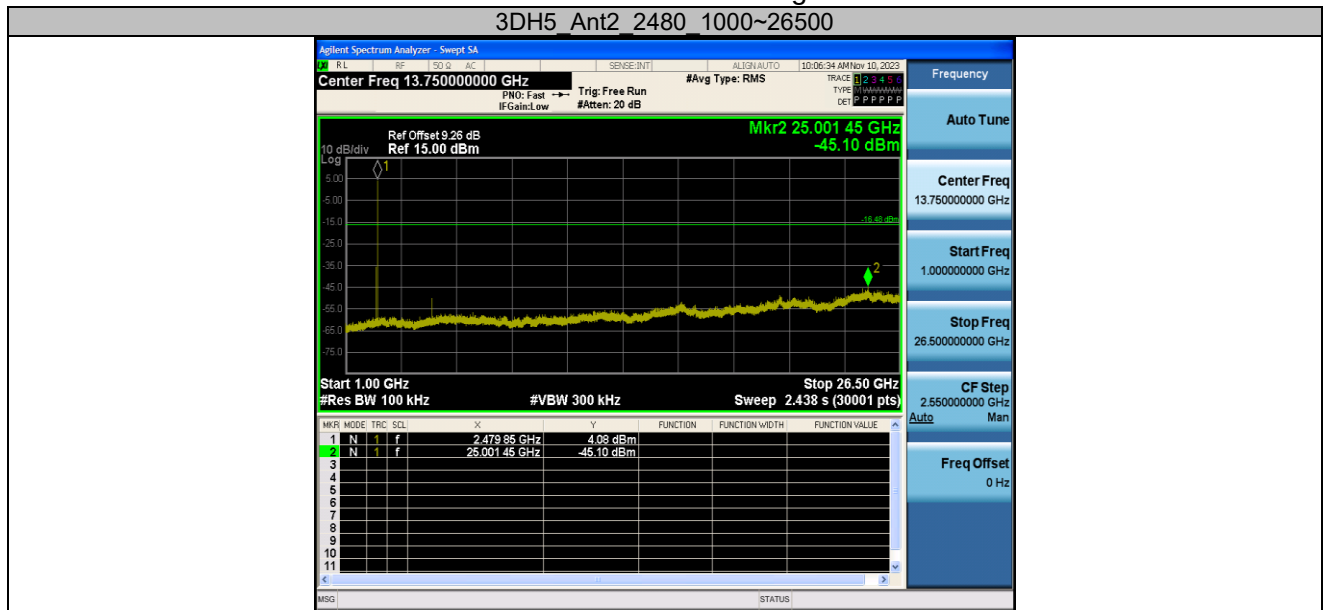
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Duty Cycle Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant2	2402	2.89	3.75	77.07	1.13
		2441	2.89	3.75	77.07	1.13
		2480	2.88	3.75	76.80	1.15
2DH5	Ant2	2402	2.89	3.75	77.07	1.13
		2441	2.89	3.75	77.07	1.13
		2480	2.89	3.75	77.07	1.13
3DH5	Ant2	2402	2.89	3.75	77.07	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.89	3.75	77.07	1.13



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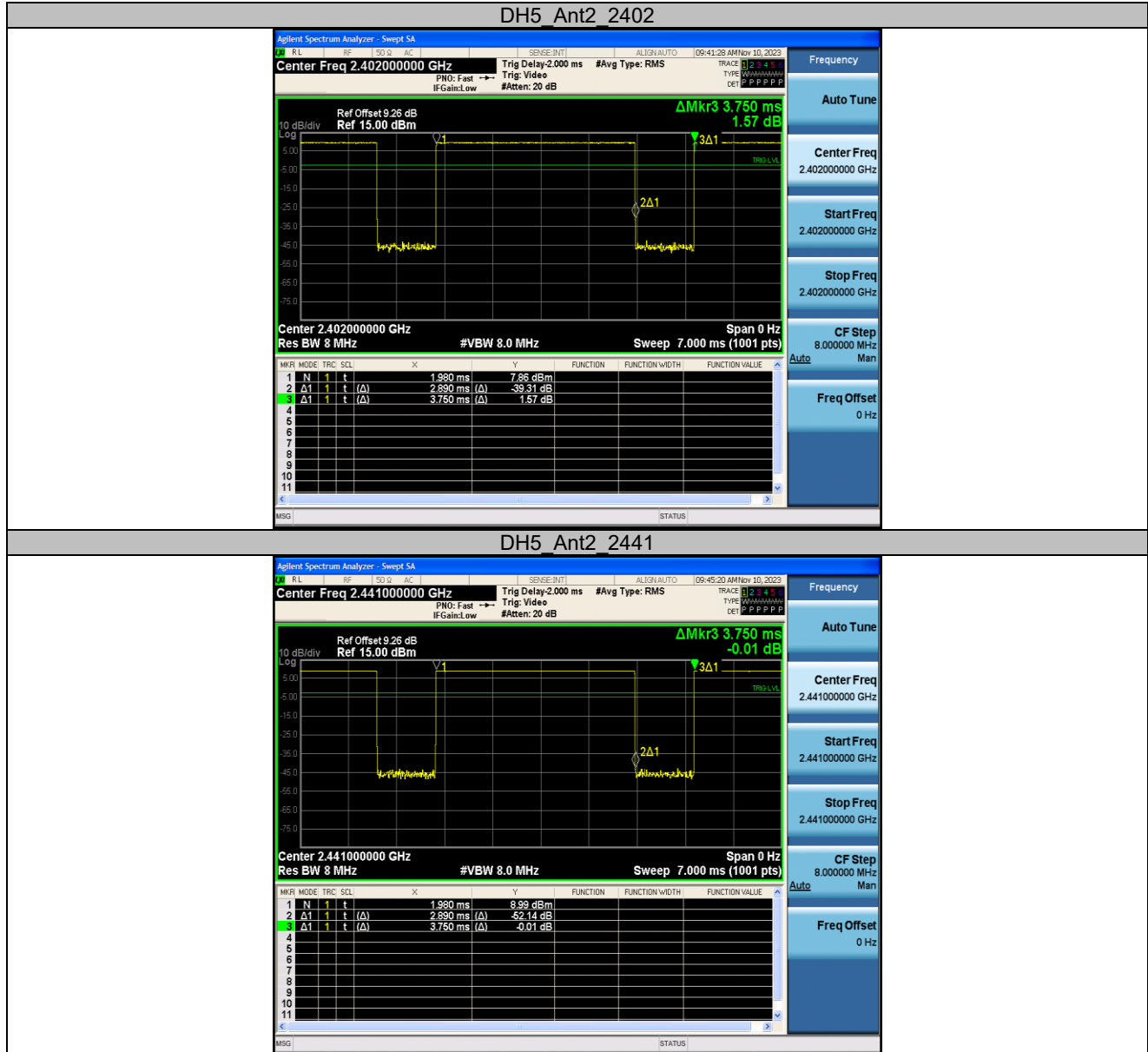
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Test Graphs



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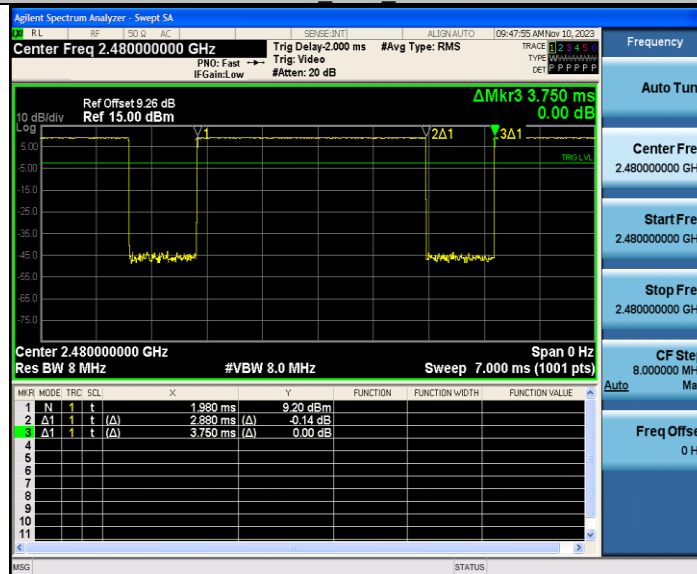
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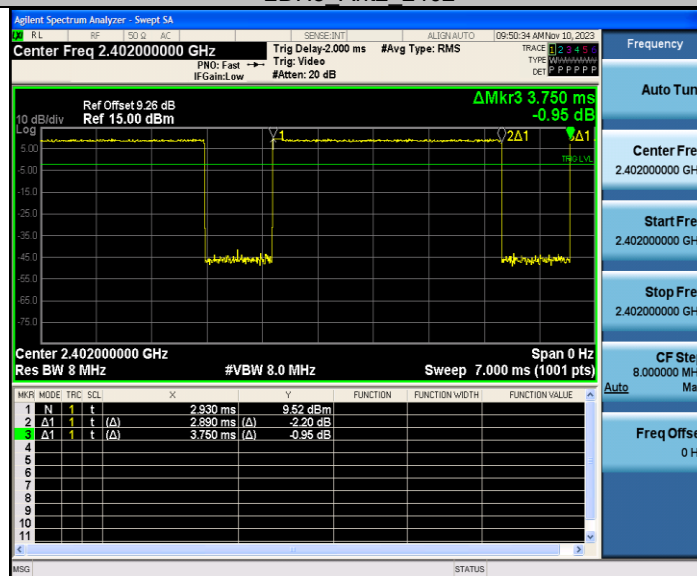
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DH5 Ant2 2480



2DH5 Ant2 2402



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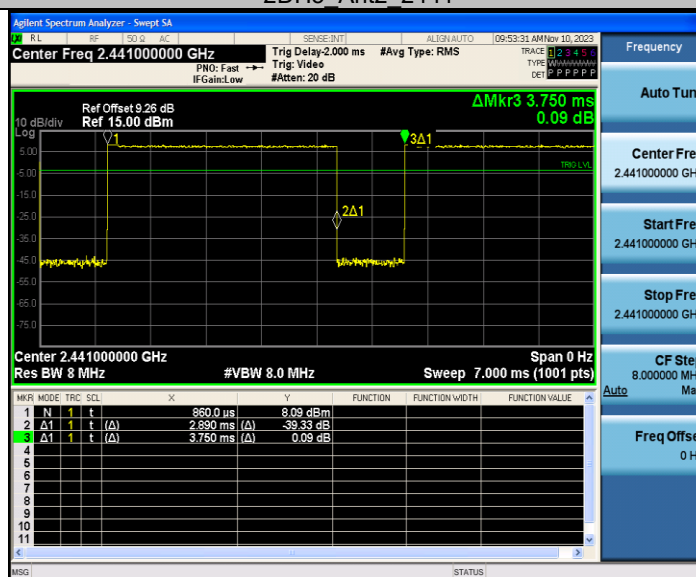
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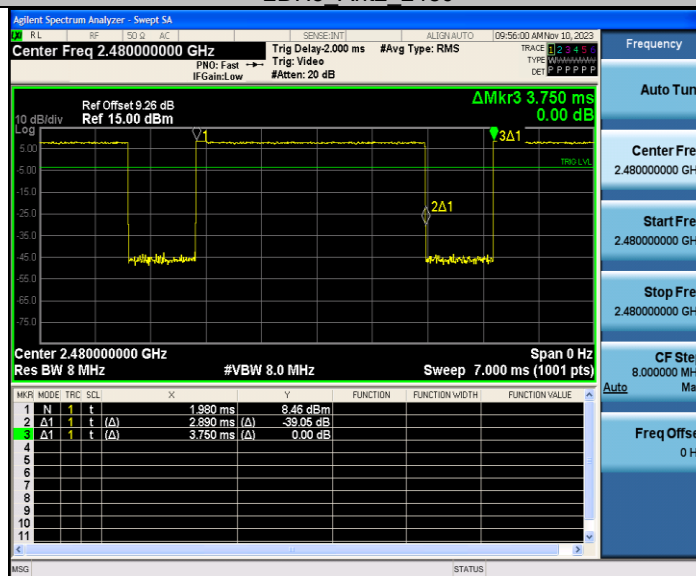
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2DH5 Ant2 2441



2DH5 Ant2 2480



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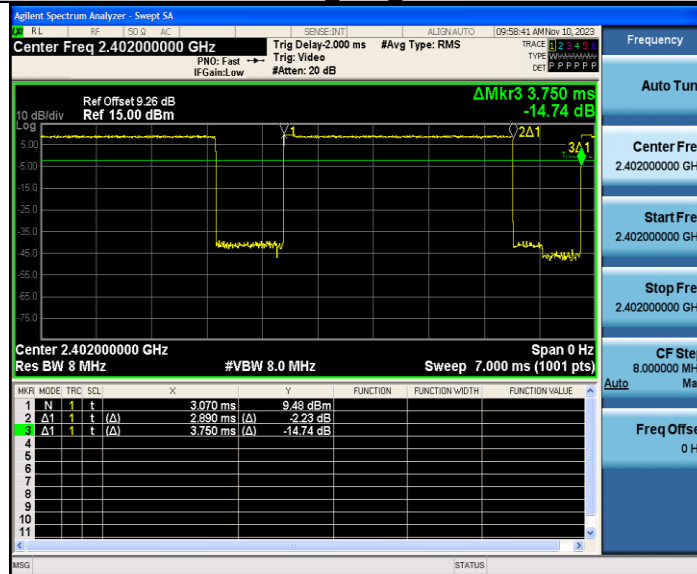
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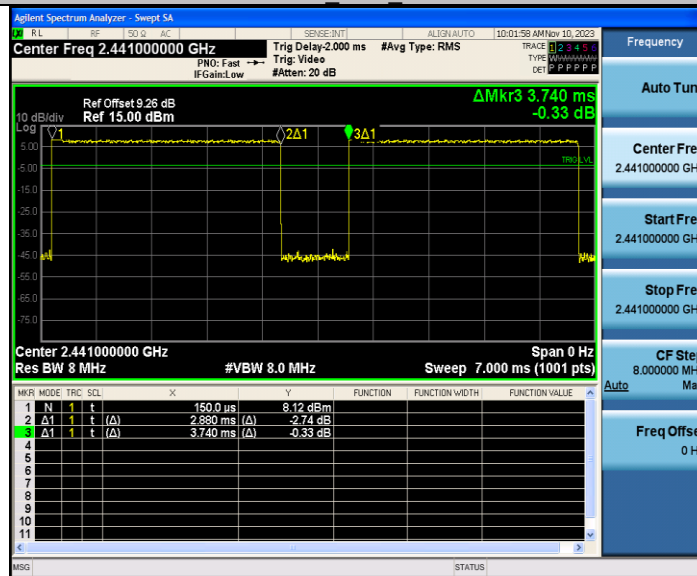
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3DH5_Ant2_2402



3DH5_Ant2_2441



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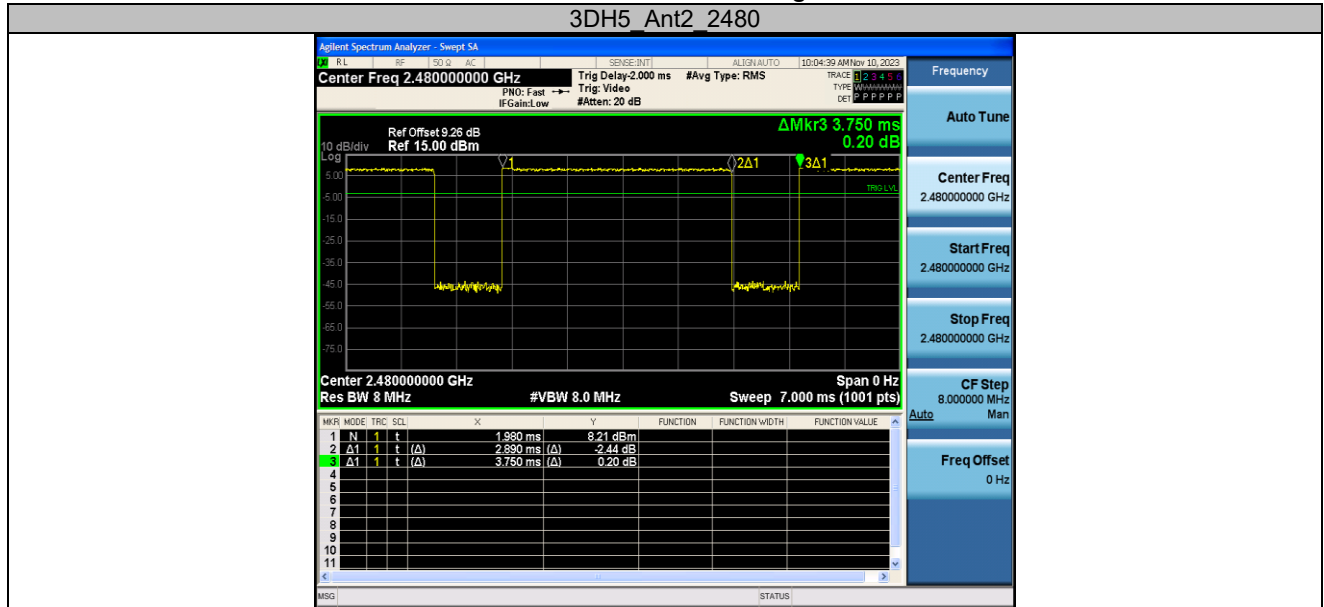
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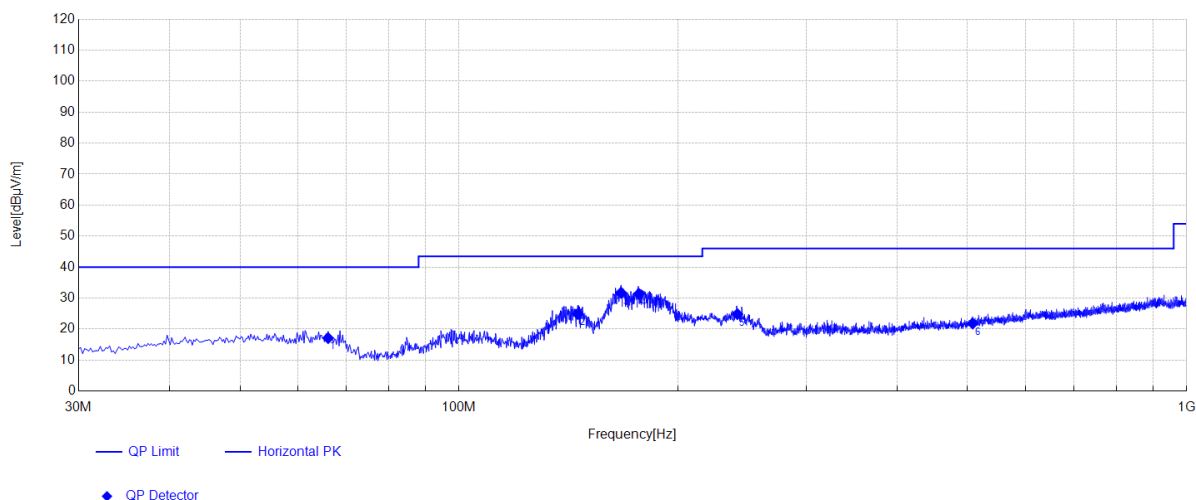
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: GFSK_Channel 78



Data List								
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading[dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	66.0912	11.79	-26.97	32.29	17.11	40.00	22.89	Horizontal
2	145.6471	7.54	-26.50	43.84	24.88	43.50	18.62	Horizontal
3	166.9914	9.10	-26.24	48.87	31.73	43.50	11.77	Horizontal
4	176.6933	9.23	-26.25	48.38	31.36	43.50	12.14	Horizontal
5	241.3083	12.50	-25.69	38.04	24.85	46.00	21.15	Horizontal
6	508.1116	17.39	-24.40	28.83	21.82	46.00	24.18	Horizontal



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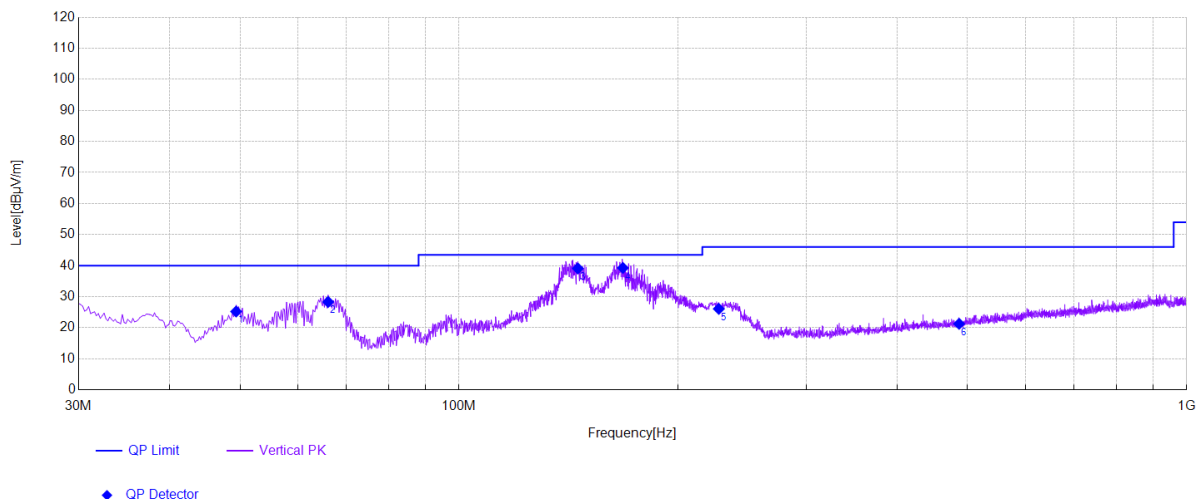
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Data List								
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1	49.4039	14.16	-27.51	38.59	25.24	40.00	14.76	Vertical
2	66.0912	11.79	-26.97	43.51	28.33	40.00	11.67	Vertical
3	145.6471	7.54	-26.50	58.07	39.11	43.50	4.39	Vertical
4	167.9616	8.81	-26.22	56.69	39.28	43.50	4.22	Vertical
5	227.5315	11.30	-26.11	40.9	26.09	46.00	19.91	Vertical
6	486.7674	16.67	-24.71	29.32	21.28	46.00	24.72	Vertical

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Value = Reading(dBμV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBμV/m) – Value(dBμV/m)

- 2) All channels have been tested, but only the worst case data displayed in this report.



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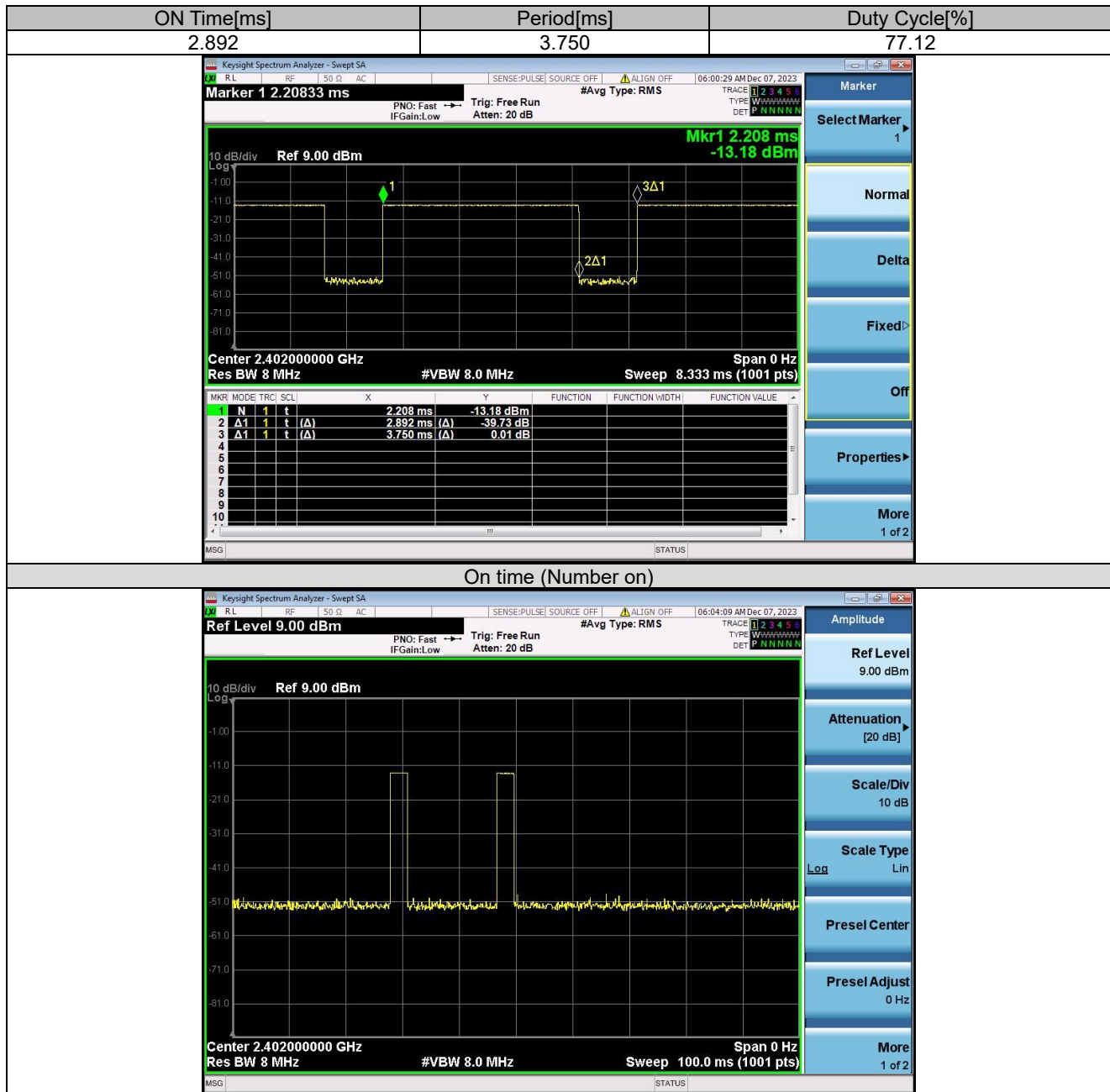
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Transmitter emission Above 1GHz

Duty cycle



Note:

Duty cycle = on time / 100ms = 2 * 2.892 / 100 = 5.78%

Duty cycle Correction factor = 20*log(Duty cycle) = -24.76dB



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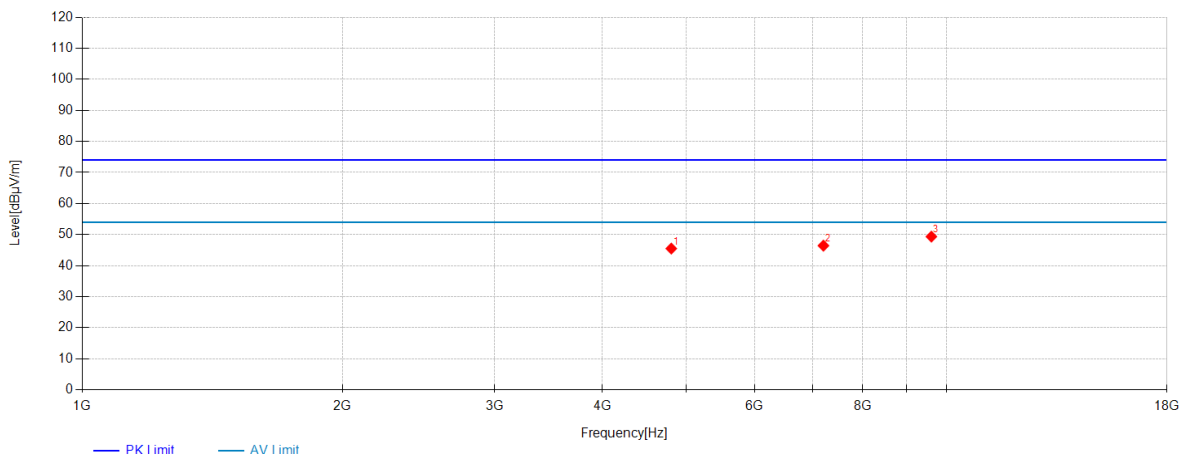
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GFSK_Channel 0



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4804.5	57.68	30.78	-42.95	45.51	74.00	28.49	Horizontal
	4804.5	-	-	-	20.75	54.00	33.25	-
2	7206	48.60	36.56	-38.71	46.45	74.00	27.55	Horizontal
	7206	-	-	-	21.69	54.00	32.31	-
3	9608	47.20	37.85	-35.70	49.35	74.00	24.65	Horizontal
	9608	-	-	-	24.59	54.00	29.41	-



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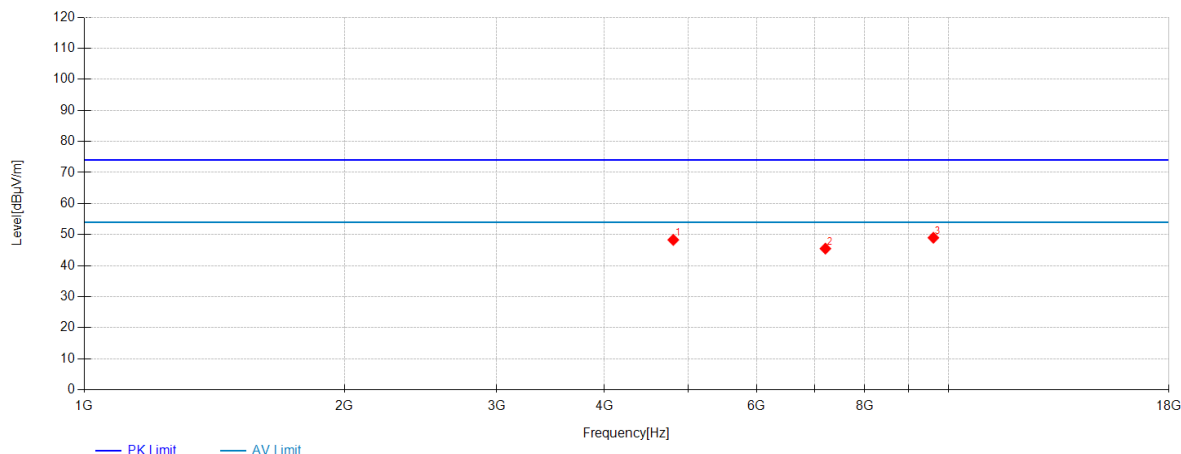
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GFSK_Channel 0



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4804.5	60.47	30.78	-42.95	48.30	74.00	25.70	Vertical
	4804.5	-	-	-	23.54	54.00	30.46	-
2	7206	47.64	36.56	-38.71	45.49	74.00	28.51	Vertical
	7206	-	-	-	20.73	54.00	33.27	-
3	9608	46.83	37.85	-35.70	48.98	74.00	25.02	Vertical
	9608	-	-	-	24.22	54.00	29.78	-



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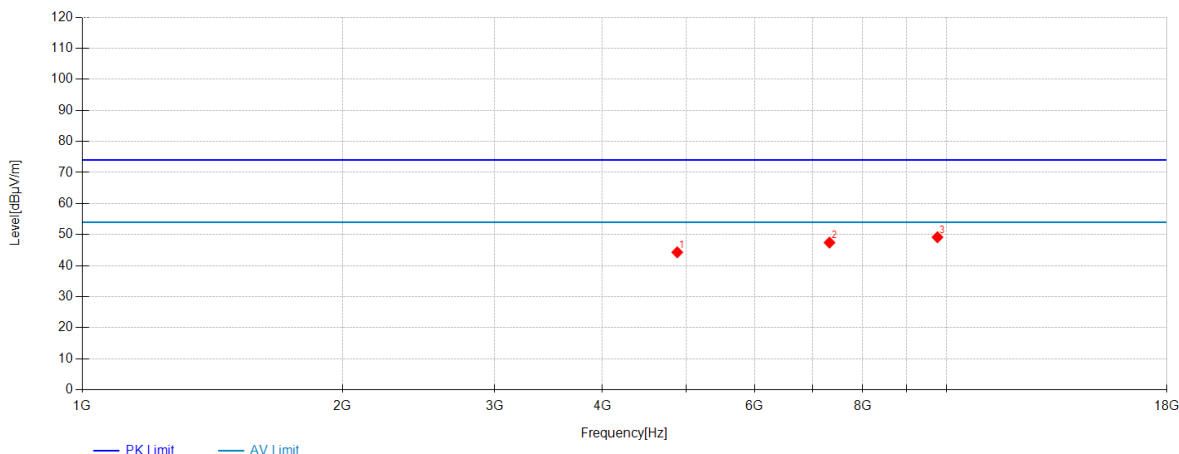
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4881.5	56.40	30.79	-42.89	44.30	74.00	29.70	Horizontal
	4881.5	-	-	-	19.54	54.00	34.46	-
2	7323	49.72	36.45	-38.74	47.43	74.00	26.57	Horizontal
	7323	-	-	-	22.67	54.00	31.33	-
3	9764	46.74	38.36	-35.95	49.15	74.00	24.85	Horizontal
	9764	-	-	-	24.39	54.00	29.61	-



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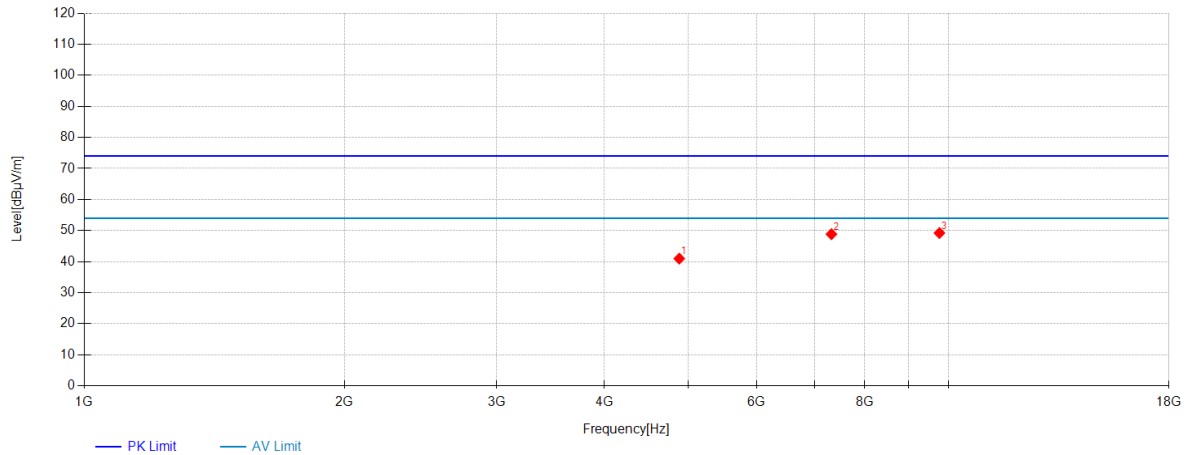
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4882	53.09	30.79	-42.89	40.99	74.00	33.01	Vertical
	4882	-	-	-	16.23	54.00	37.77	-
2	7323	51.14	36.45	-38.74	48.85	74.00	25.15	Vertical
	7323	-	-	-	24.09	54.00	29.91	-
3	9764	46.82	38.36	-35.95	49.23	74.00	24.77	Vertical
	9764	-	-	-	24.47	54.00	29.53	-



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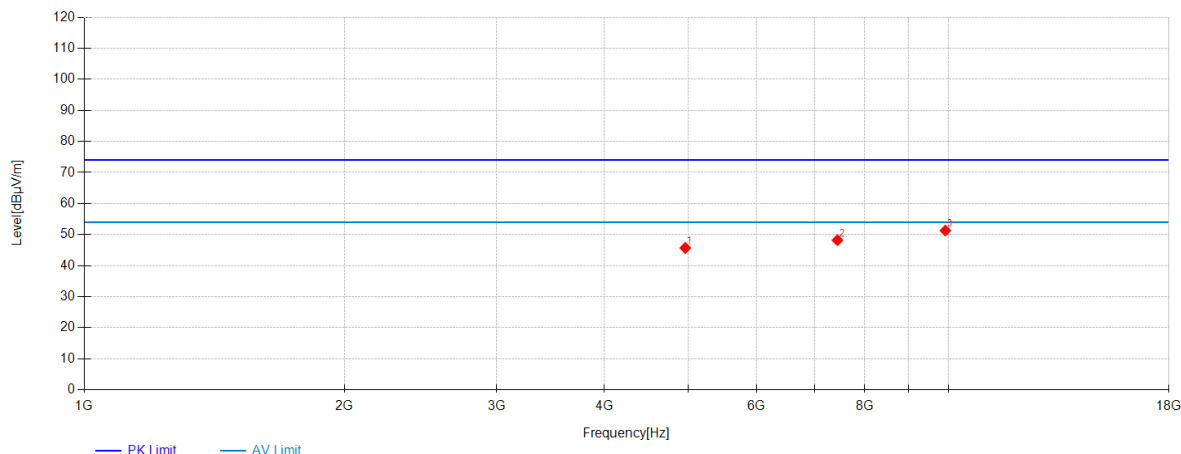
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4960.5	57.44	31.04	-42.78	45.70	74.00	28.30	Horizontal
	4960.5	-	-	-	20.94	54.00	33.06	-
2	7440	49.70	36.78	-38.28	48.20	74.00	25.80	Horizontal
	7440	-	-	-	23.44	54.00	30.56	-
3	9920	48.18	38.62	-35.49	51.31	74.00	22.69	Horizontal
	9920	-	-	-	26.55	54.00	27.45	-



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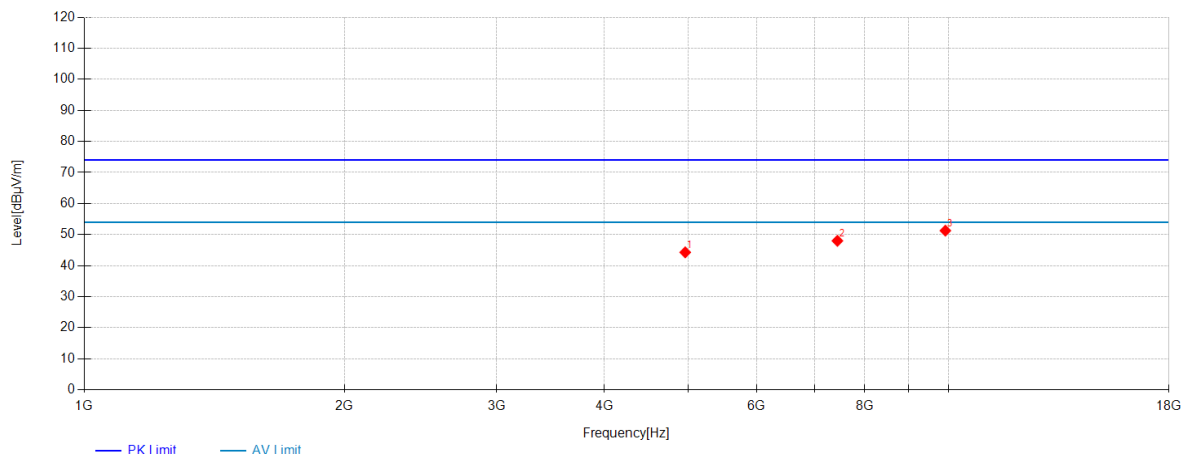
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4959.5	56.03	31.04	-42.78	44.29	74.00	29.71	Vertical
	4959.5	-	-	-	19.53	54.00	34.47	-
2	7440	49.49	36.78	-38.28	47.99	74.00	26.01	Vertical
	7440	-	-	-	23.23	54.00	30.77	-
3	9920	48.15	38.62	-35.49	51.28	74.00	22.72	Vertical
	9920	-	-	-	26.52	54.00	27.48	-

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading(dBμV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBμV/m) – Level(dBμV/m)

- All channels have been tested, but only the worst case data displayed in this report.



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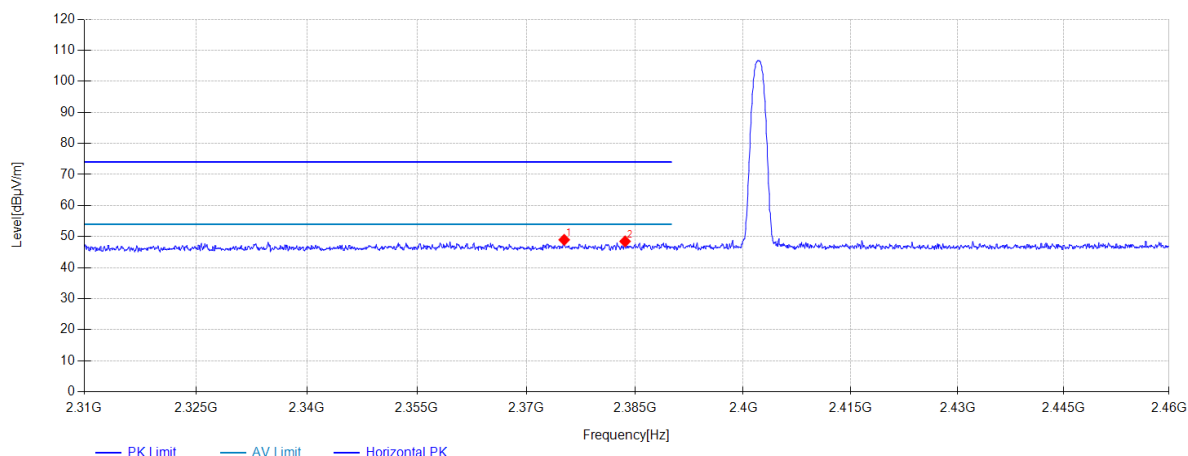
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Restricted bands around fundamental frequency

GFSK_Channel 0



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2375.2076	39.89	27.50	-18.43	48.96	74.00	25.04	Horizontal
	2375.2076	-	-	-	24.20	54.00	29.80	-
2	2383.6118	39.28	27.47	-18.29	48.46	74.00	25.54	Horizontal
	2383.6118	-	-	-	23.70	54.00	30.30	-



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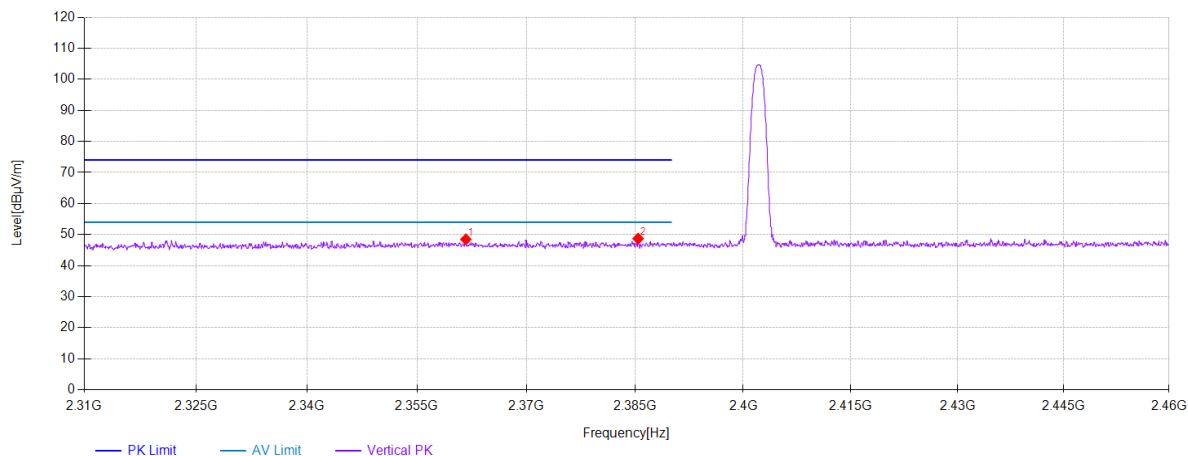
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GFSK_Channel 0



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2361.7008	39.19	27.55	-18.27	48.47	74.00	25.53	Vertical
	2361.7008	-	-	-	23.71	54.00	30.29	-
2	2385.4127	39.50	27.46	-18.25	48.71	74.00	25.29	Vertical
	2385.4127	-	-	-	23.95	54.00	30.05	-



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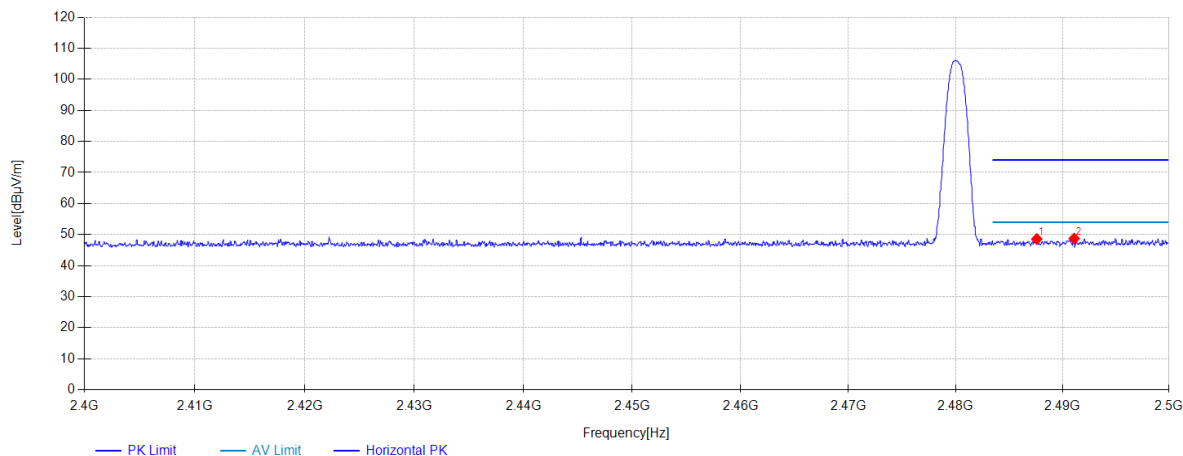
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2487.5938	38.99	27.75	-18.17	48.57	74.00	25.43	Horizontal
	2487.5938	-	-	-	23.81	54.00	30.19	-
2	2491.0955	39.12	27.76	-18.17	48.71	74.00	25.29	Horizontal
	2491.0955	-	-	-	23.95	54.00	30.05	-



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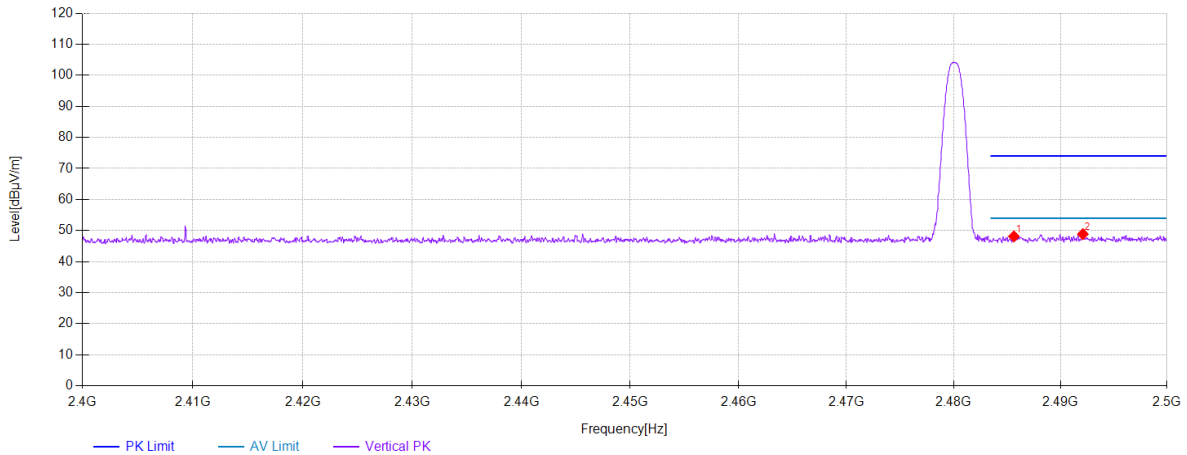
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2485.6428	38.57	27.74	-18.18	48.13	74.00	25.87	Vertical
	2485.6428	-	-	-	23.37	54.00	30.63	-
2	2492.096	39.28	27.77	-18.19	48.86	74.00	25.14	Vertical
	2492.096	-	-	-	24.10	54.00	29.90	-

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading(dBμV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBμV/m) – Level(dBμV/m)

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