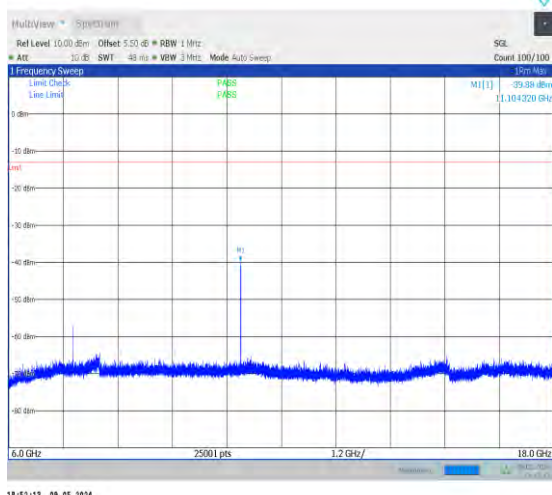


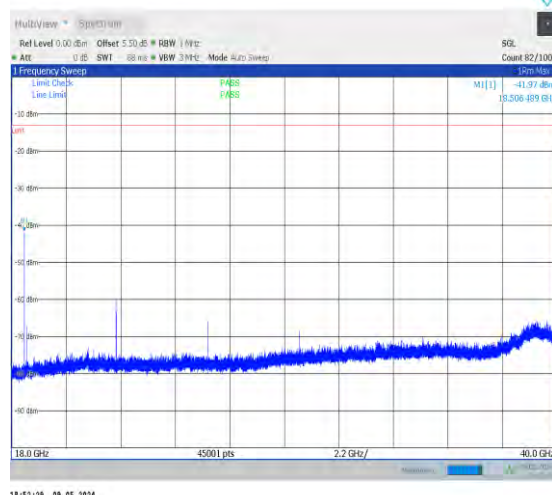
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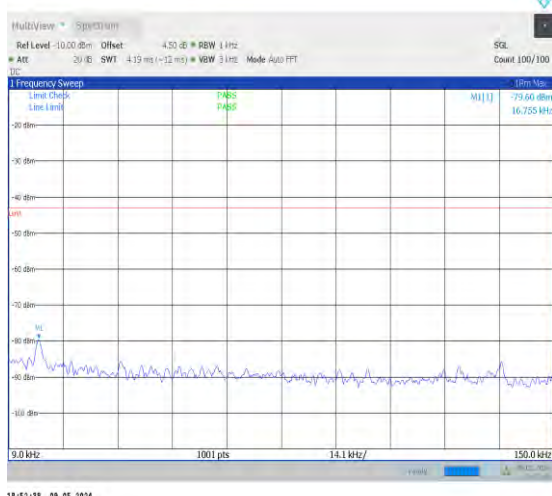
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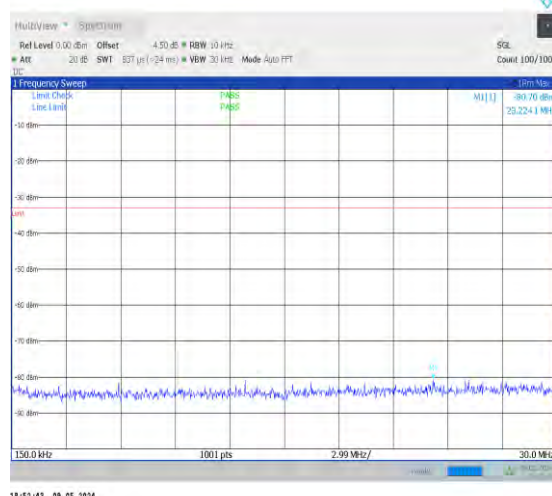
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1-N78-3700-3800-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant0-18506.49--42.75--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant0-0.02--79.60--43-PASS



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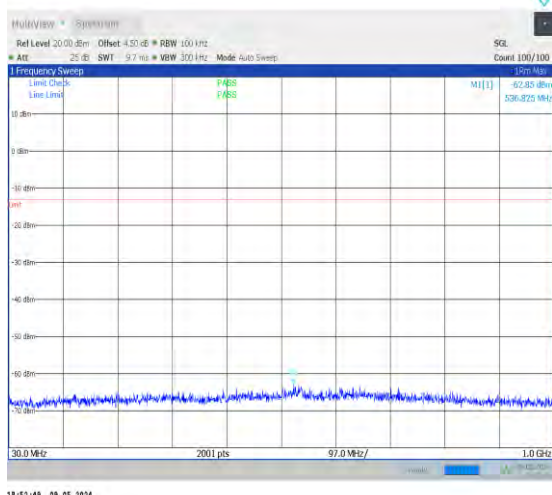
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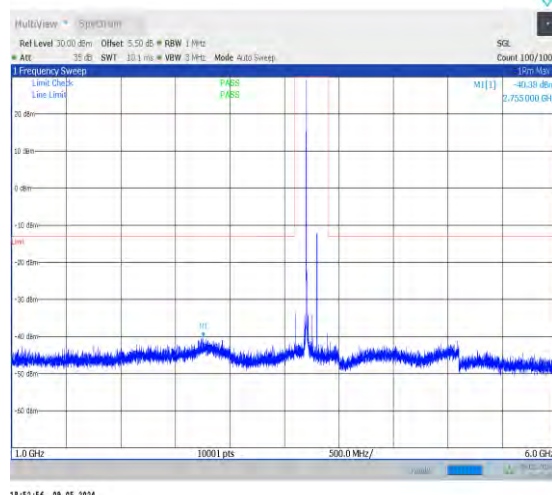
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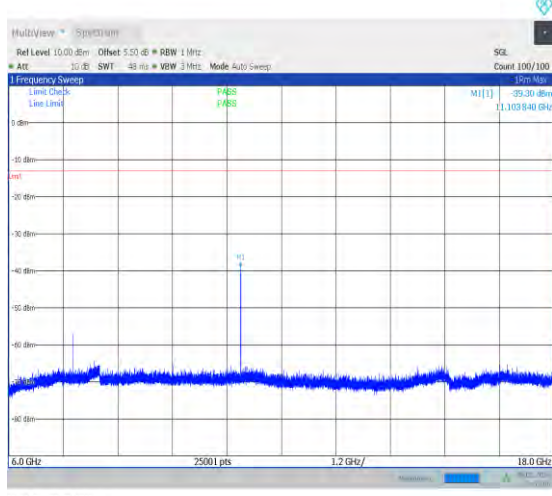
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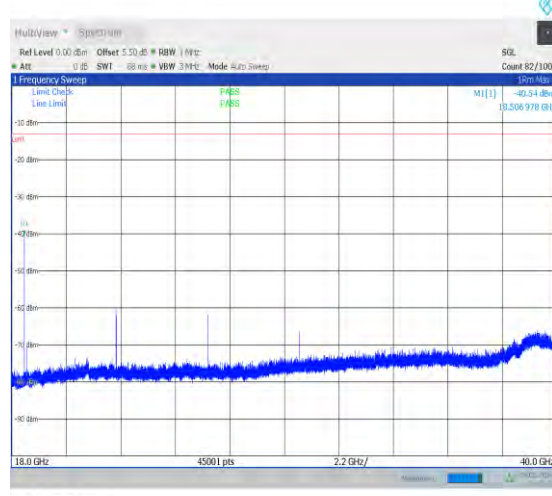
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1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant0-2755.00--40.38--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant0-11103.84--39.30--13-PASS



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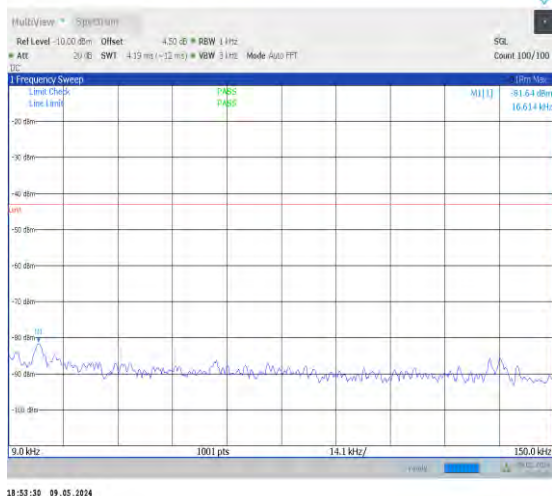
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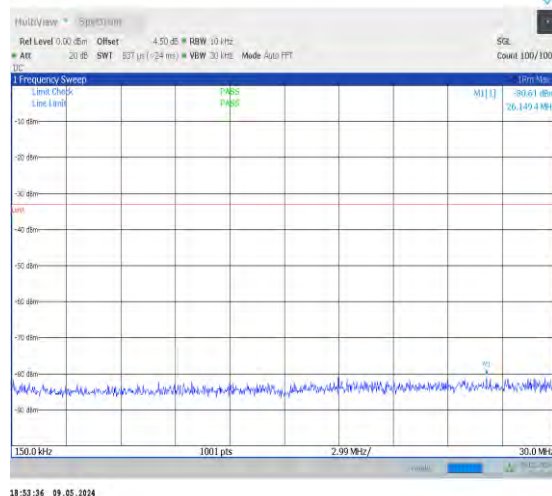
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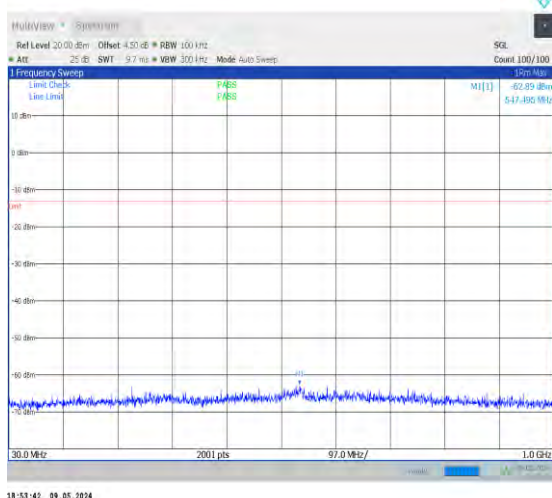
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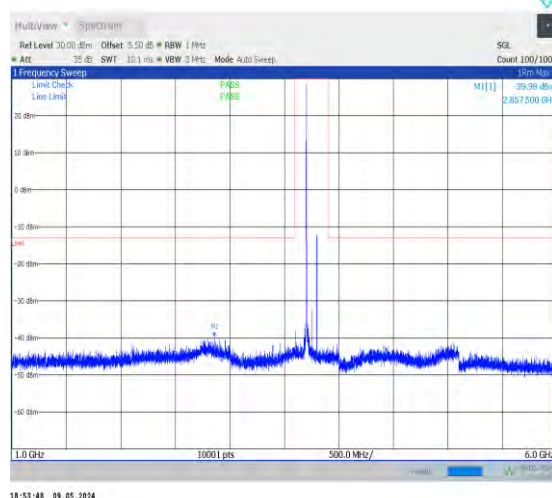
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-PASS



1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant0-26.15--80.61--33-P
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1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant0-547.50--62.89--13
-PASS



1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant0-2857.50--39.98--13-PASS



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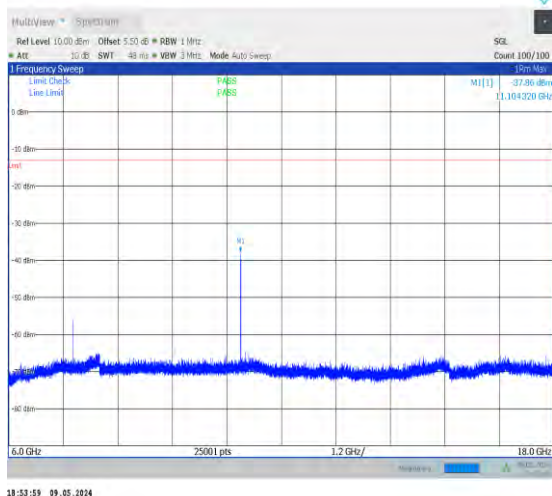
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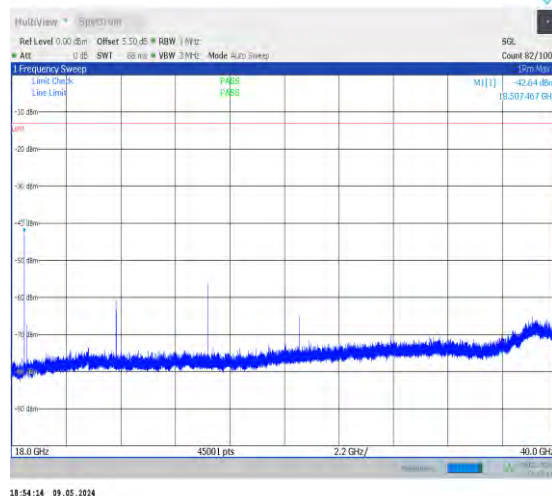
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86--13-PASS



1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-18000-40000-Ant0-18507.47--42
.64--13-PASS



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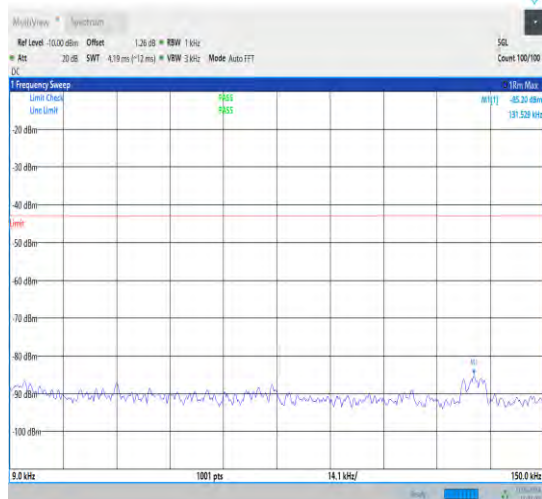
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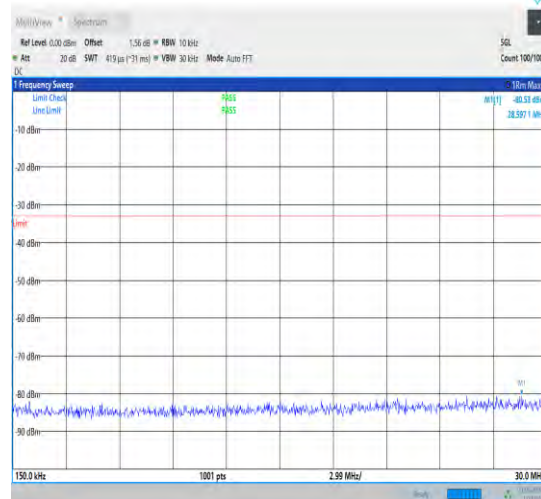
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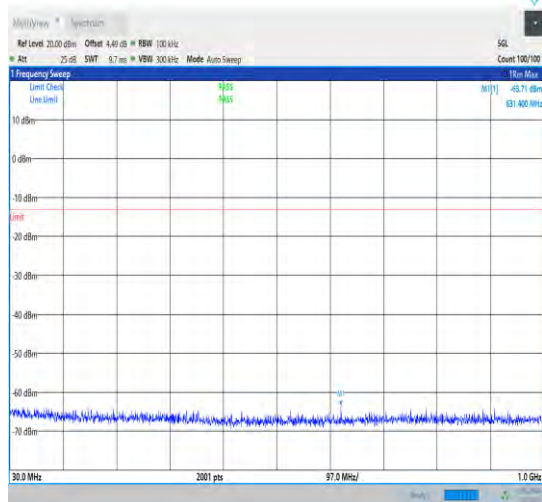
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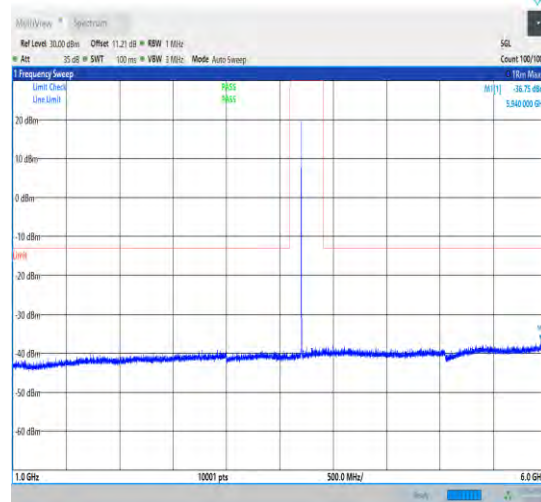
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1-N78-3700-3800-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant0-631.40--63.71--13-PASS



1-N78-3700-3800-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant0-5940.00--36.75--13-PASS



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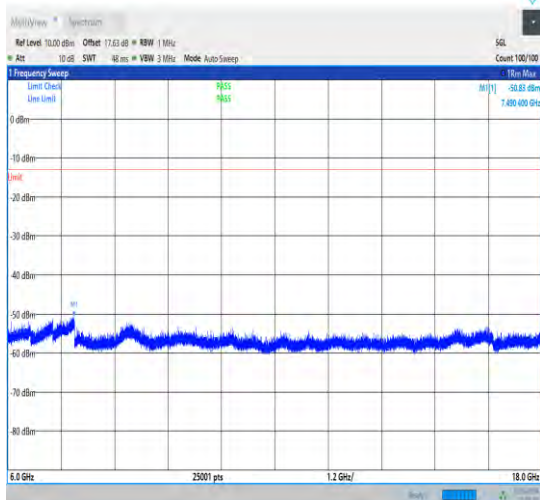
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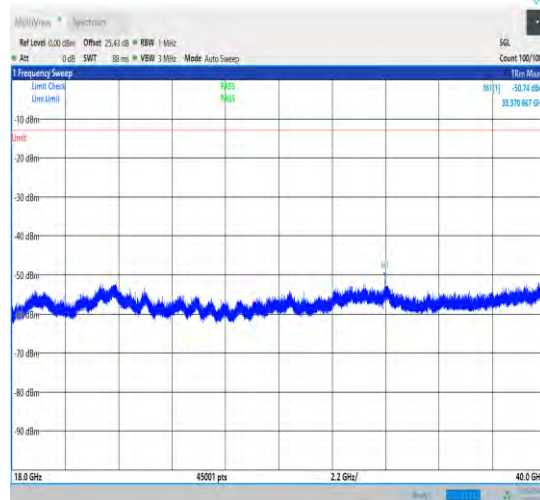
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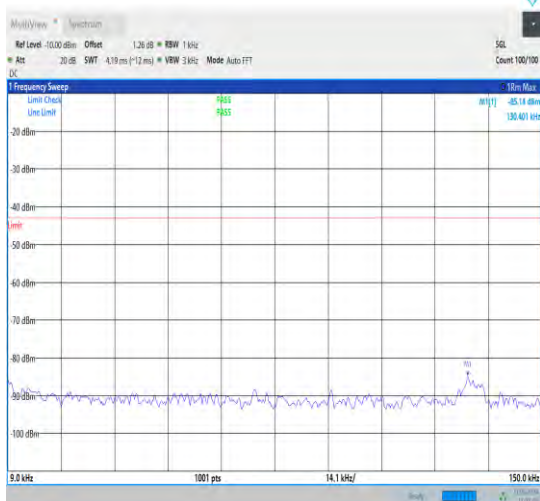
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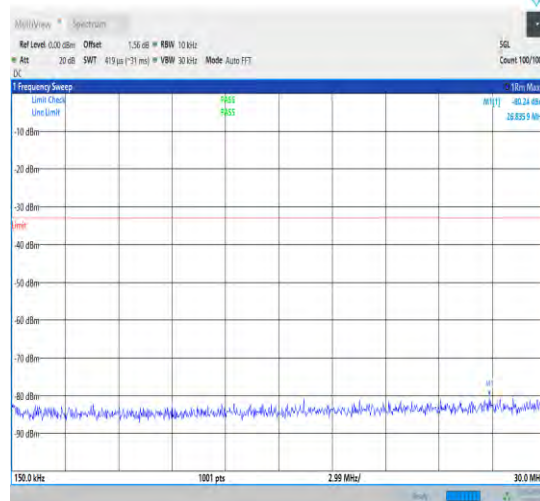
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1-N78-3700-3800-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant0-26.84--80.24--33-PASS



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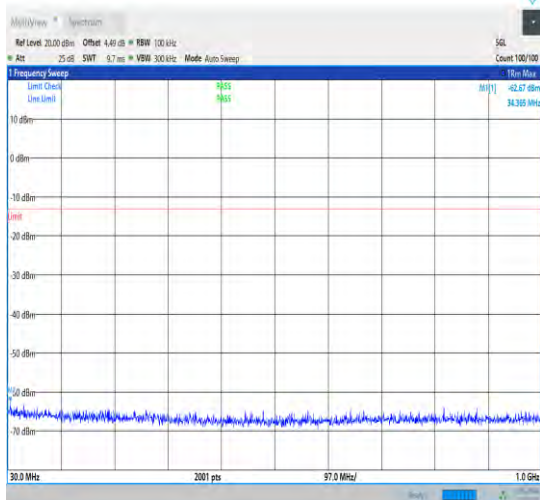
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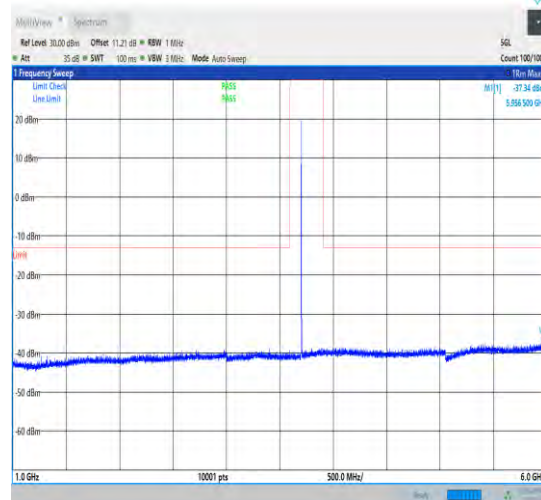
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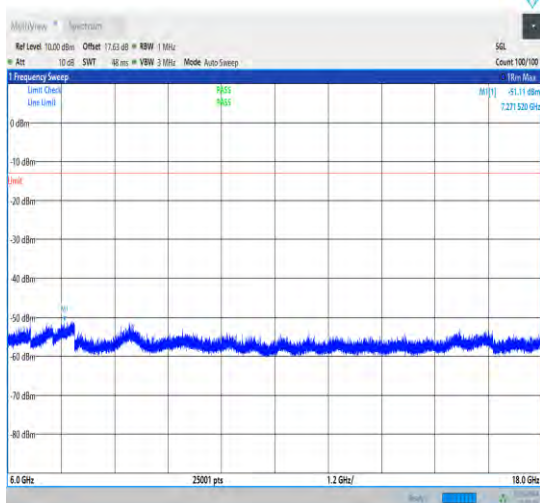
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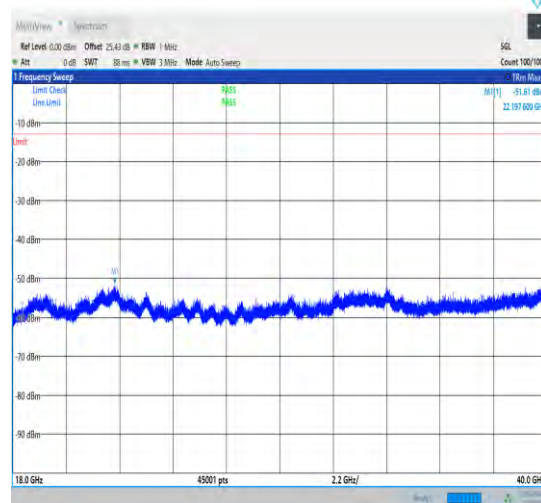
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1-N78-3700-3800-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant0-7271.52--51.11--13-PASS



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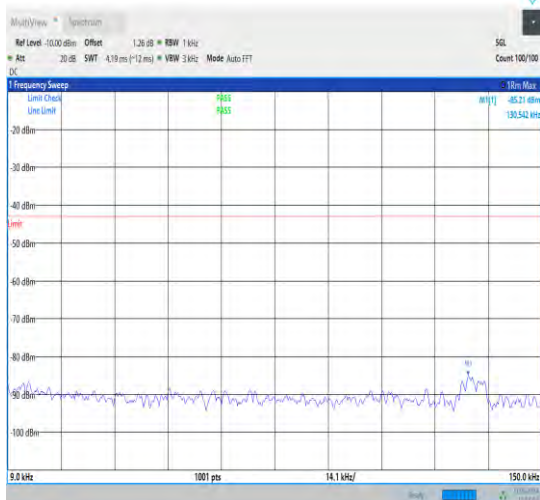
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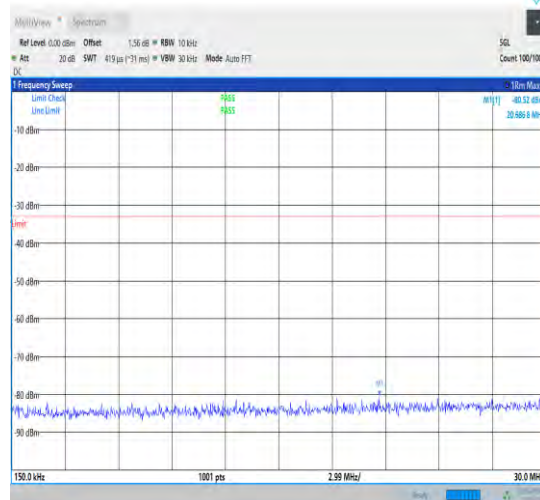
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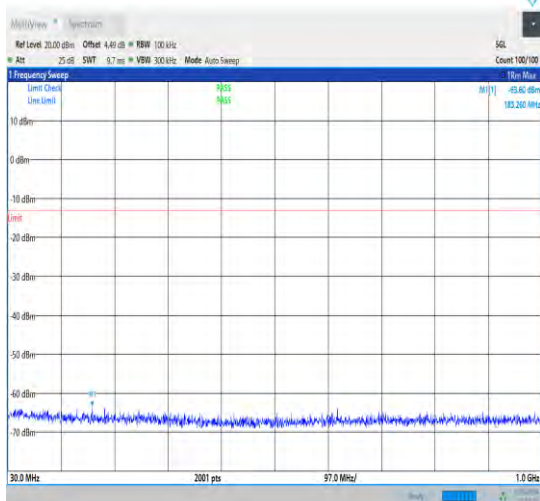
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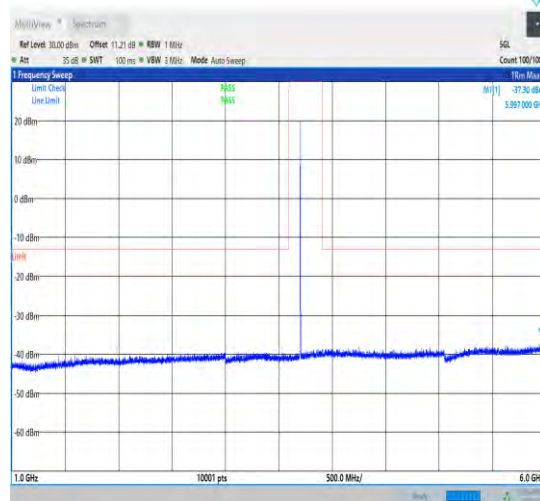
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1-N78-3700-3800-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant0-183.26--63.60--13-PA SS



1-N78-3700-3800-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant0-5997.00--37.30--13-P ASS



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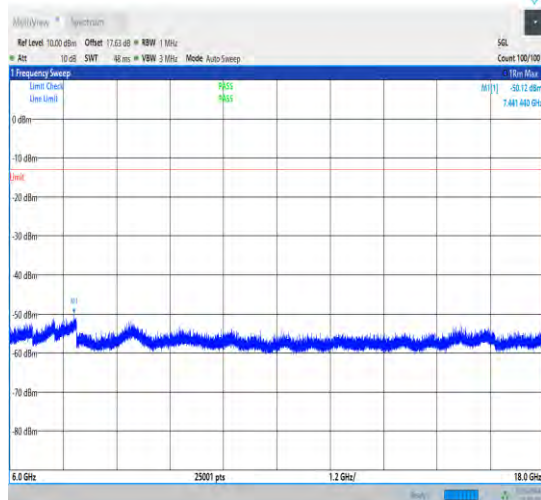
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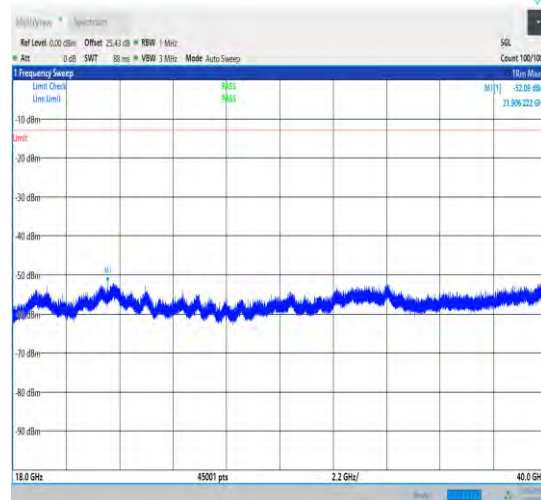
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1-N78-3700-3800-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant0-7441.44--50.12--1
3-PASS



1-N78-3700-3800-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant0-21906.22--52.09--1
3-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N78(3700-3800)
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4992.5496	27.39	-15.25	33.11	-50.01	-13.00	37.01	Horizontal
2	7960.298	49.98	-42.33	37.48	-50.13	-13.00	37.13	Horizontal
3	9510.1755	48.47	-39.29	39.18	-46.90	-13.00	33.90	Horizontal
4	11999.7	46.71	-36.61	39.40	-45.76	-13.00	32.76	Horizontal
5	15798.4899	46.60	-34.45	39.40	-43.71	-13.00	30.71	Horizontal
6	17836.1918	48.48	-37.37	41.69	-42.46	-13.00	29.46	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4969.4485	27.58	-15.26	33.16	-49.78	-13.00	36.78	Vertical
2	7407.6704	49.63	-42.47	36.78	-51.32	-13.00	38.32	Vertical
3	9489.7745	48.90	-39.34	39.16	-46.54	-13.00	33.54	Vertical
4	11835.8918	46.41	-36.71	39.76	-45.80	-13.00	32.80	Vertical
5	14461.6231	46.95	-35.06	40.56	-42.81	-13.00	29.81	Vertical
6	17984.9992	48.04	-38.02	42.71	-42.53	-13.00	29.53	Vertical



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Test Band = SA_N78(3700-3800) MIMO

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5050.1525	27.51	-15.07	33.40	-49.42	-13.00	36.42	Horizontal
2	6924.6462	50.60	-43.45	36.30	-51.81	-13.00	38.81	Horizontal
3	7980.099	50.09	-42.20	37.44	-49.93	-13.00	36.93	Horizontal
4	11404.4702	47.01	-37.04	39.69	-45.60	-13.00	32.60	Horizontal
5	14993.8497	47.02	-34.35	39.92	-42.67	-13.00	29.67	Horizontal
6	17990.9996	48.66	-38.08	42.75	-41.93	-13.00	28.93	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5031.5516	27.80	-15.14	33.29	-49.31	-13.00	36.31	Vertical
2	7893.0947	49.58	-41.87	37.36	-50.19	-13.00	37.19	Vertical
3	9481.9741	48.99	-39.46	39.13	-46.60	-13.00	33.60	Vertical
4	10743.8372	47.17	-37.81	39.59	-46.31	-13.00	33.31	Vertical
5	15068.8534	47.14	-34.35	39.83	-42.64	-13.00	29.64	Vertical
6	17878.1939	47.88	-37.48	42.03	-42.83	-13.00	29.83	Vertical



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Test Band = NSA_B12+N78(3700-3800)
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1410.5	29.73	-19.10	25.78	-58.85	-13.00	45.85	Horizontal
2	2116	31.30	-18.09	27.47	-54.58	-13.00	41.58	Horizontal
3	5081.5	30.44	-12.51	33.46	-43.87	-13.00	30.87	Horizontal
4	8546	49.58	-40.81	39.00	-47.49	-13.00	34.49	Horizontal
5	14203	47.45	-34.59	40.80	-41.60	-13.00	28.60	Horizontal
6	17982.5	48.88	-38.00	42.70	-41.68	-13.00	28.68	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4639.5	26.11	-14.12	32.02	-51.25	-13.00	38.25	Vertical
2	7402	52.60	-42.40	36.80	-48.26	-13.00	35.26	Vertical
3	10098	48.97	-38.78	38.50	-46.57	-13.00	33.57	Vertical
4	11858	47.85	-36.72	39.67	-44.46	-13.00	31.46	Vertical
5	14217.5	47.49	-34.78	40.78	-41.77	-13.00	28.77	Vertical
6	17983.5	48.92	-38.01	42.70	-41.65	-13.00	28.65	Vertical

Remark:

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

 $AF = \text{Antenna Factor(dB/m)}$
 $\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier (dB)}$
 $\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$
 $\text{Margin} = \text{Limit} - \text{Level}$


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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-4.500000	-0.001200	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.000000	-0.000800	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	5.300000	0.001413	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VH	NT	-2.100000	-0.000560	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VN	NT	-10.100000	-0.002693	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VL	NT	-3.900000	-0.001040	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-4.500000	-0.001200	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.700000	-0.001253	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.200000	0.001387	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.300000	-0.002213	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-11.400000	-0.003040	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	6.800000	0.001813	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	2.100000	0.000560	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-5.600000	-0.001493	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.200000	-0.000587	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	50	-1.000000	-0.000267	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-20	1.100000	0.000293	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-10	6.600000	0.001760	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	0	0.100000	0.000027	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	10	-7.200000	-0.001920	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	20	-9.600000	-0.002560	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	30	-8.100000	-0.002160	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	40	-1.700000	-0.000453	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-30	-5.200000	-0.001387	PASS

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