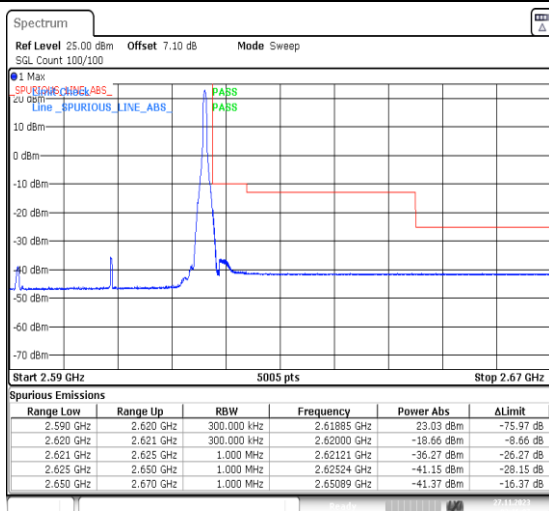


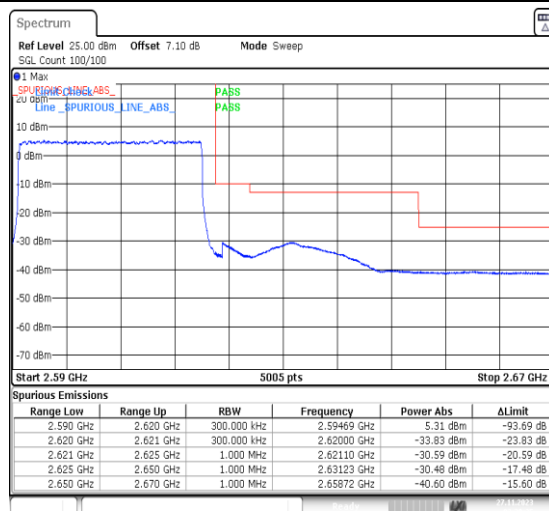
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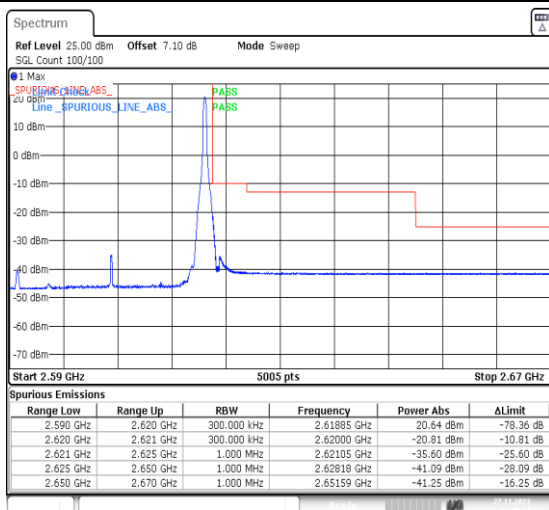
Page: 29 of 43



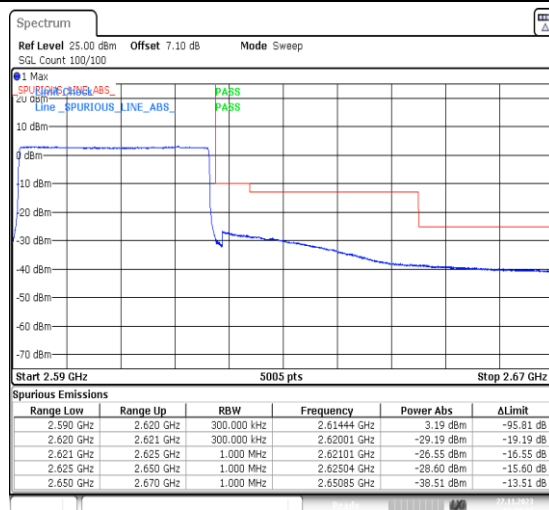
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1-N38-PC3-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant31-1--PASS-see graph



1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant31-1--PASS-see graph



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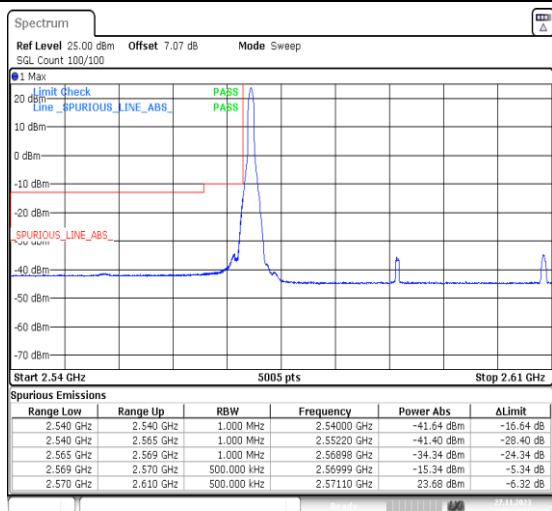
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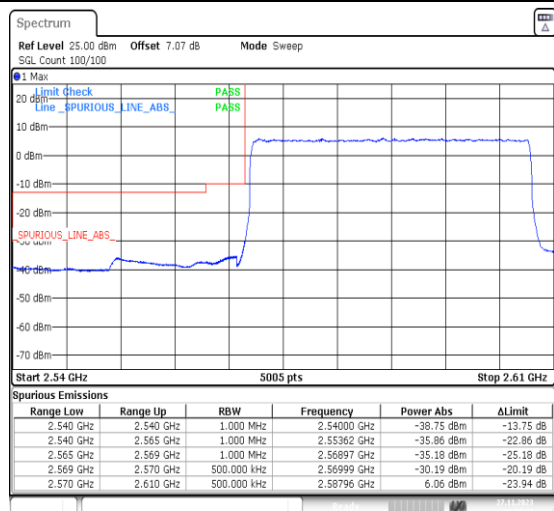
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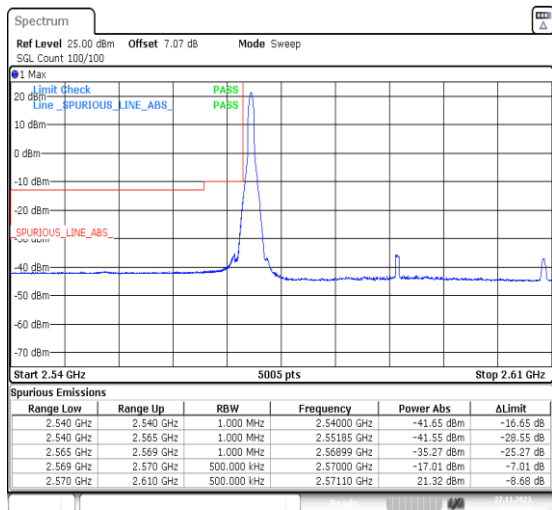
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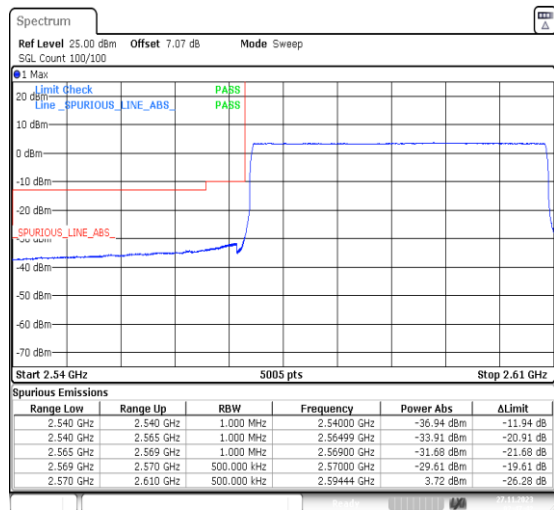
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1-N38-PC3-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph



1-N38-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant31-1--PASS-see graph



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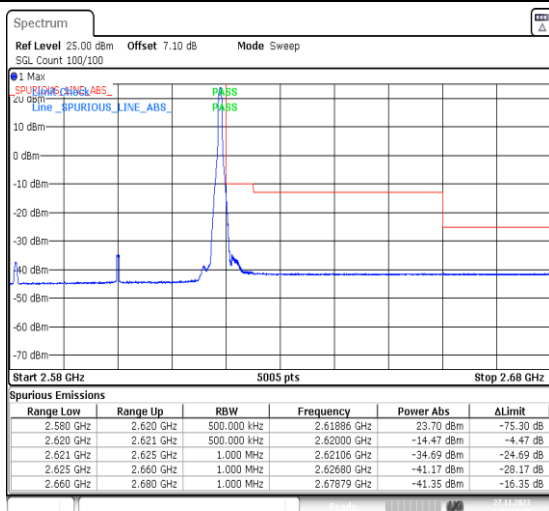
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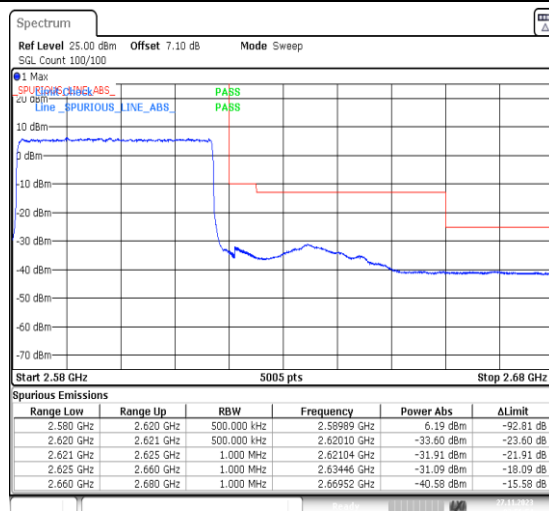
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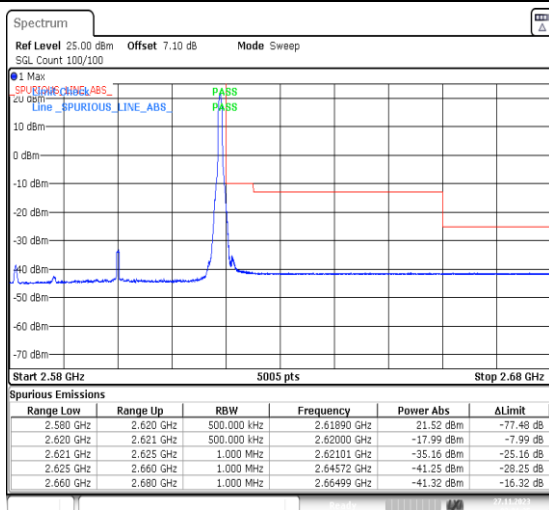
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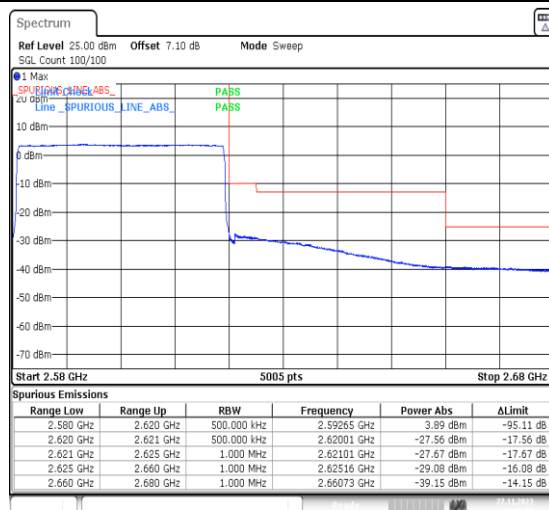
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1-N38-PC3-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant31-1--PASS-see graph



1-N38-PC3-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant31-1--PASS-see graph



1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant31-1--PASS-see graph



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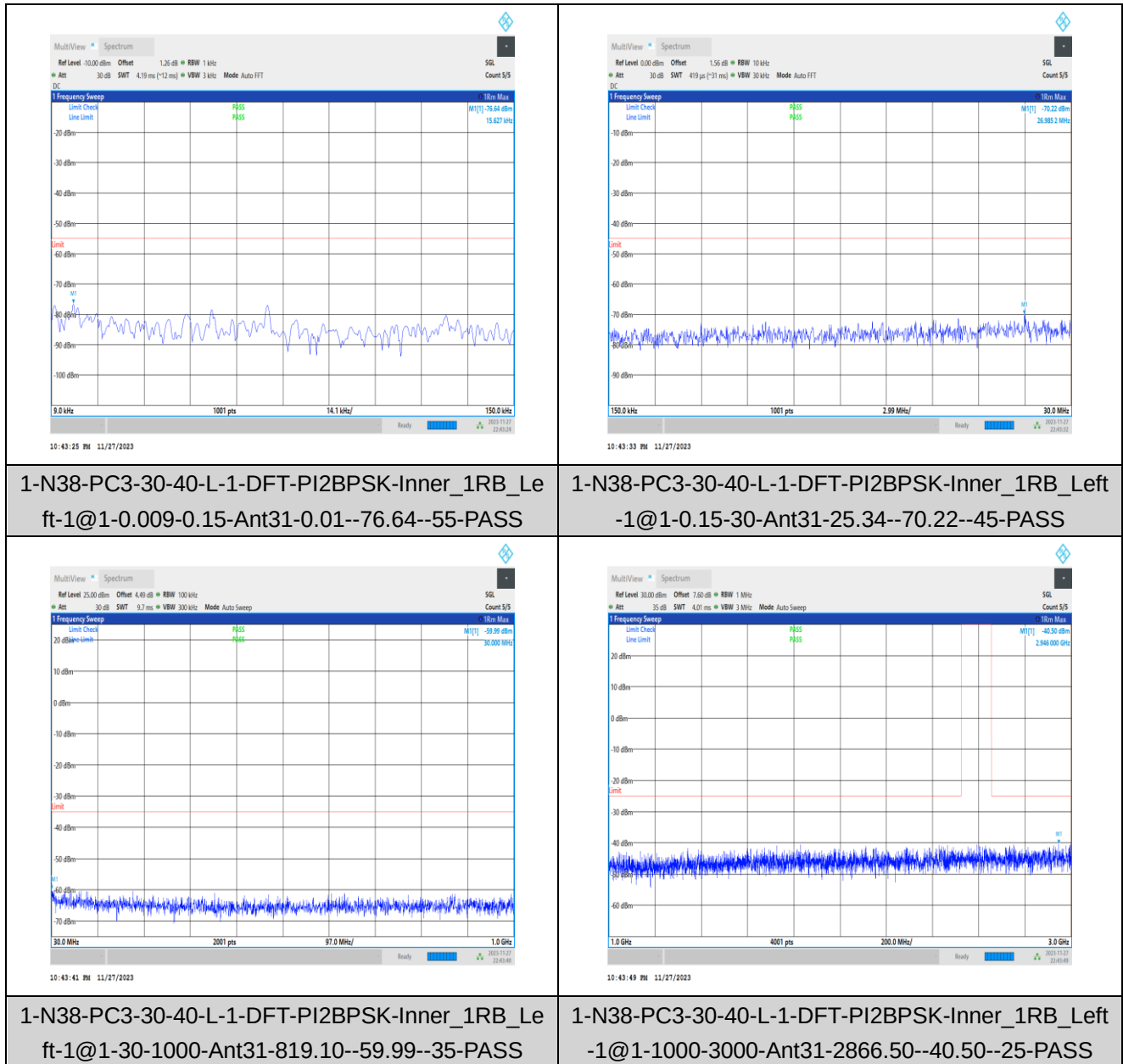
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Conducted Spurious Emission for SA

Test Graphs



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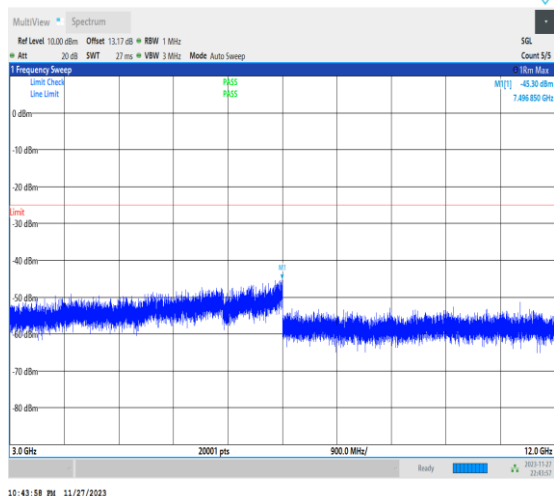
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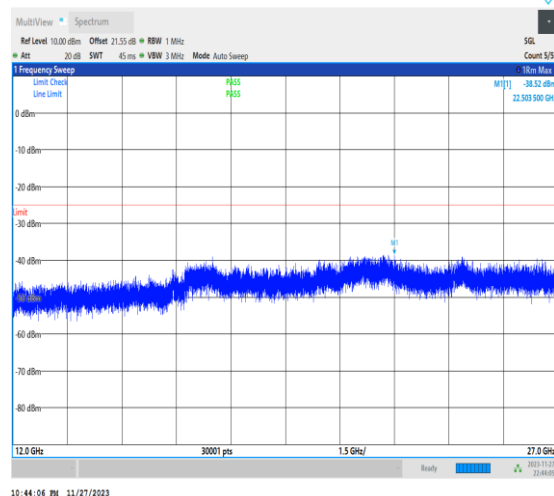
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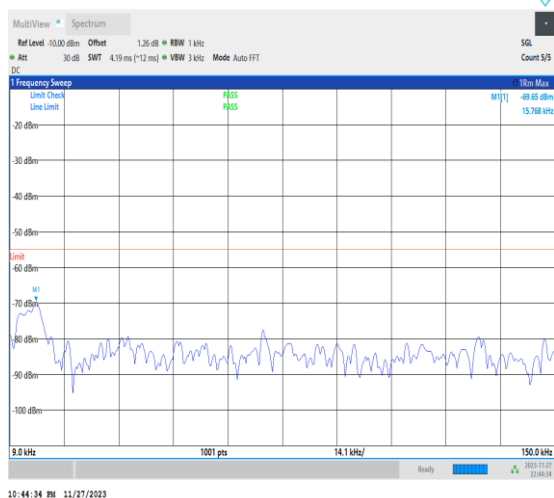
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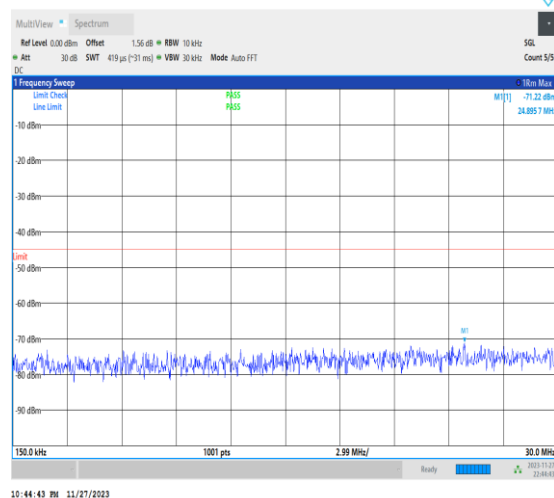


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S



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant31-0.01--69.65--55-PASS



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant31-25.43--71.22--45-PASS



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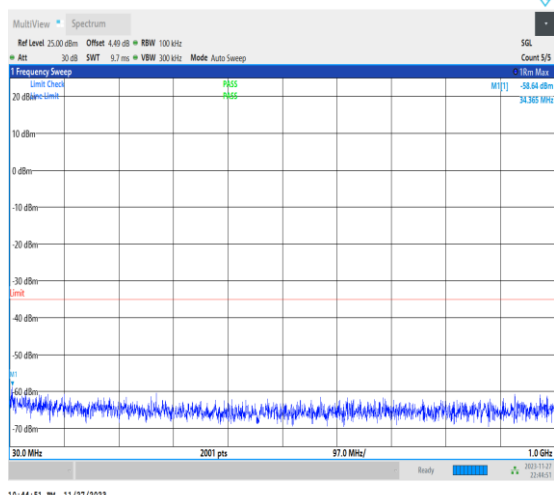
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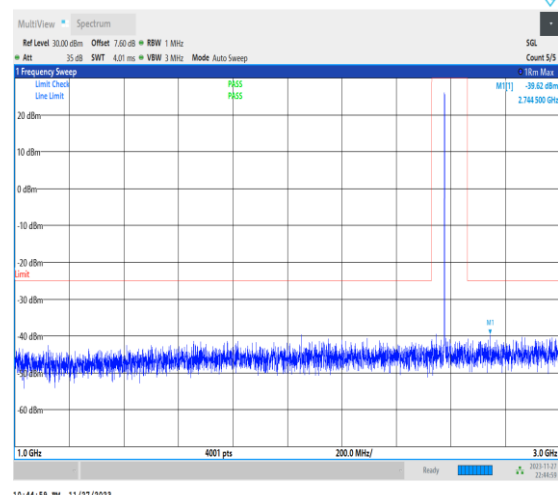
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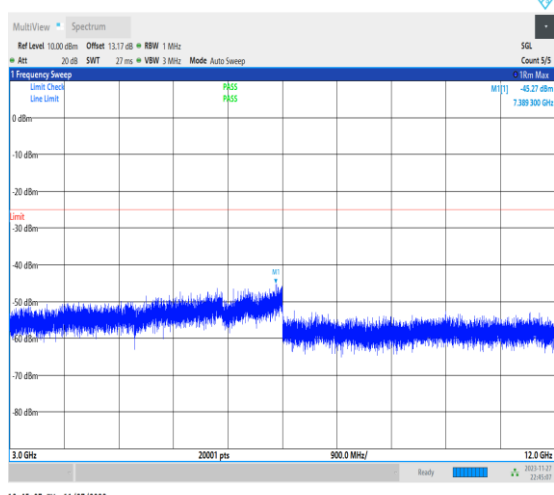
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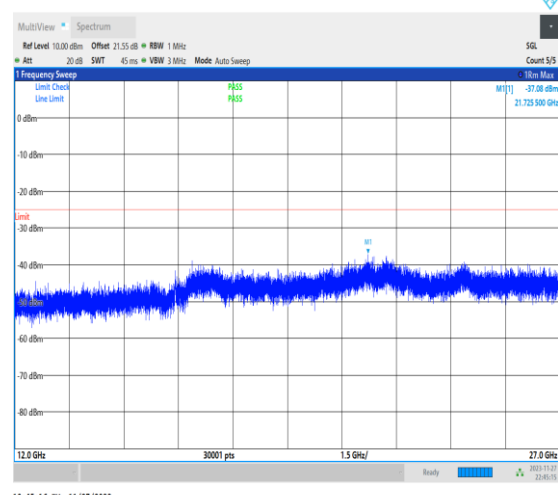
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1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-1000-3000-Ant31-2910.50--39.62--25-PASS



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L
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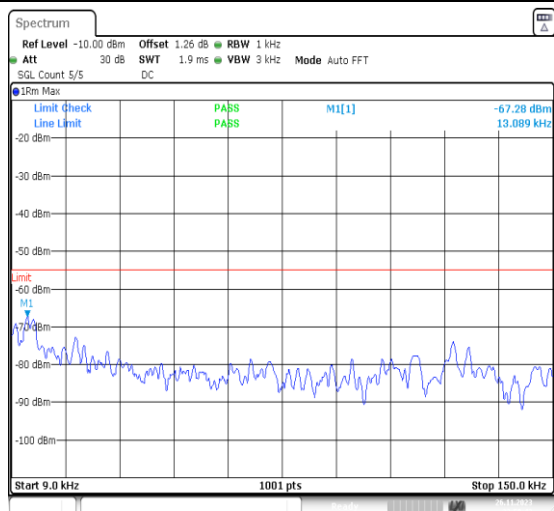
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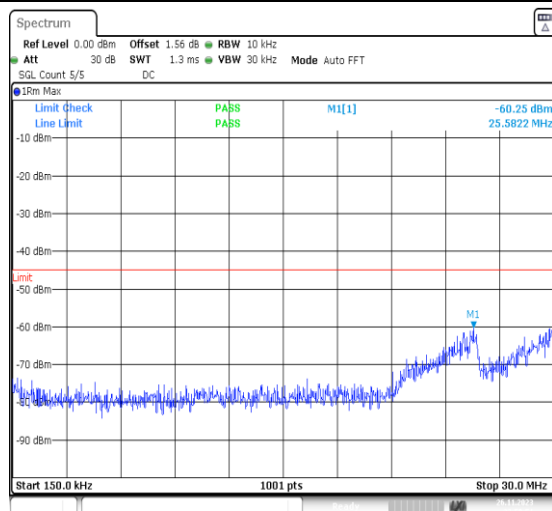
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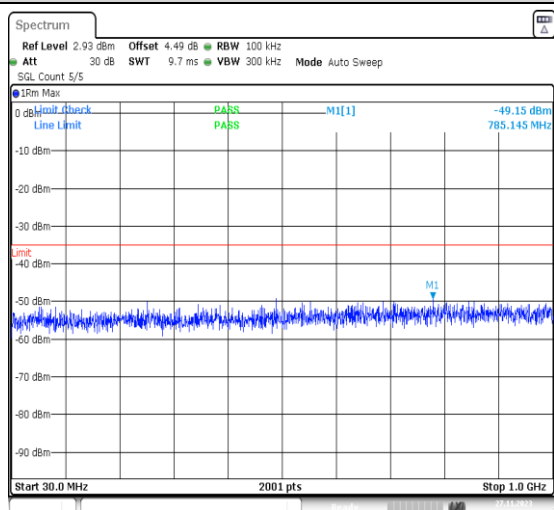
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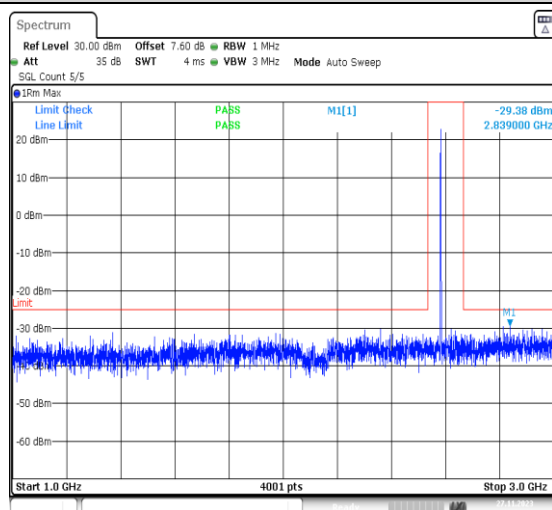
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1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L
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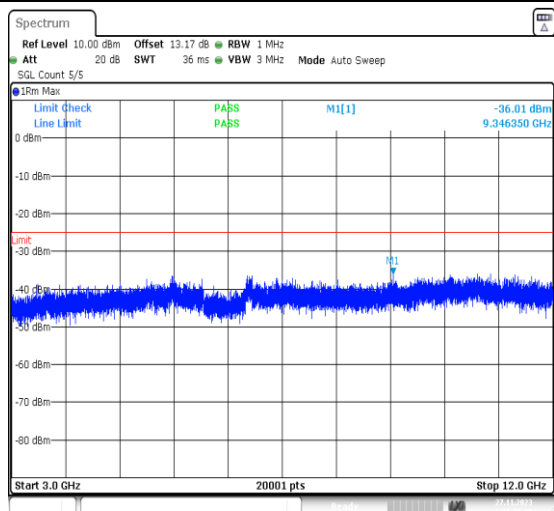
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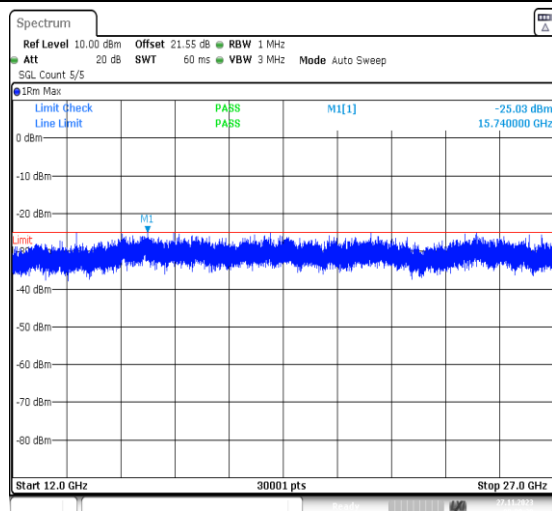
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1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L ef
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Field Strength of Spurious Radiation

Test Band = SA Band38_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3174	43.81	-45.87	28.40	-68.92	-25.00	43.92	Horizontal
2	5144.1800	40.08	-45.33	31.75	-68.76	-25.00	43.76	Horizontal
3	7716.2700	36.83	-42.99	36.69	-64.73	-25.00	39.73	Horizontal
4	10288.3600	30.23	-39.14	38.34	-65.82	-25.00	40.82	Horizontal
5	12860.4500	25.78	-37.00	39.06	-67.42	-25.00	42.42	Horizontal
6	15432.5400	24.08	-34.11	40.39	-64.90	-25.00	39.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3170.5	43.82	-45.89	28.40	-68.93	-25.00	43.93	Vertical
2	5144.1800	40.07	-45.33	31.75	-68.77	-25.00	43.77	Vertical
3	7716.2700	37.85	-42.99	36.69	-63.71	-25.00	38.71	Vertical
4	10288.3600	30.42	-39.14	38.34	-65.63	-25.00	40.63	Vertical
5	12860.4500	26.36	-37.00	39.06	-66.84	-25.00	41.84	Vertical
6	15432.5400	24.92	-34.11	40.39	-64.06	-25.00	39.06	Vertical



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Test Band = SA Band38_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5154.1800	39.43	-45.32	31.77	-69.38	-25.00	44.38	Horizontal
2	7731.2700	37.87	-42.86	36.69	-63.56	-25.00	38.56	Horizontal
3	10308.3600	30.83	-39.08	38.35	-65.16	-25.00	40.16	Horizontal
4	11373.5	30.08	-37.38	38.74	-63.83	-25.00	38.83	Horizontal
5	12885.4500	25.70	-37.07	39.07	-67.56	-25.00	42.56	Horizontal
6	15462.5400	24.55	-34.67	40.33	-65.06	-25.00	40.06	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5154.1800	40.13	-45.32	31.77	-68.68	-25.00	43.68	Vertical
2	7731.2700	36.90	-42.86	36.69	-64.53	-25.00	39.53	Vertical
3	10308.3600	29.86	-39.08	38.35	-66.13	-25.00	41.13	Vertical
4	11214.5	30.23	-37.39	38.72	-63.70	-25.00	38.70	Vertical
5	12885.4500	26.95	-37.07	39.07	-66.31	-25.00	41.31	Vertical
6	15462.5400	24.36	-34.67	40.33	-65.25	-25.00	40.25	Vertical



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Test Band = SA Band38_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5164.1800	39.54	-45.31	31.79	-69.24	-25.00	44.24	Horizontal
2	7746.2700	38.40	-42.74	36.70	-62.90	-25.00	37.90	Horizontal
3	10328.3600	30.79	-39.07	38.36	-65.17	-25.00	40.17	Horizontal
4	11235	30.32	-37.40	38.72	-63.62	-25.00	38.62	Horizontal
5	12910.4500	25.85	-37.13	39.07	-67.47	-25.00	42.47	Horizontal
6	15492.5400	23.64	-35.24	40.26	-66.59	-25.00	41.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5164.1800	39.99	-45.31	31.79	-68.79	-25.00	43.79	Vertical
2	7746.2700	37.58	-42.74	36.70	-63.72	-25.00	38.72	Vertical
3	10328.3600	30.51	-39.07	38.36	-65.45	-25.00	40.45	Vertical
4	11230	30.26	-37.40	38.72	-63.68	-25.00	38.68	Vertical
5	12910.4500	26.67	-37.13	39.07	-66.65	-25.00	41.65	Vertical
6	15492.5400	24.40	-35.24	40.26	-65.83	-25.00	40.83	Vertical



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Test Band = NSA 66A_N38A_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4276	42.88	-45.60	29.76	-68.21	-25.00	43.21	Horizontal
2	6160	41.17	-44.64	33.21	-65.51	-25.00	40.51	Horizontal
3	7871.5	39.28	-42.67	36.75	-61.91	-25.00	36.91	Horizontal
4	8934	37.08	-41.16	36.33	-63.01	-25.00	38.01	Horizontal
5	11382	30.64	-37.38	38.74	-63.26	-25.00	38.26	Horizontal
6	14389.5	27.84	-34.94	41.06	-61.31	-25.00	36.31	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4419.5	42.81	-45.80	30.11	-68.14	-25.00	43.14	Vertical
2	5753	41.36	-44.80	32.65	-66.05	-25.00	41.05	Vertical
3	7037	41.06	-43.79	35.30	-62.69	-25.00	37.69	Vertical
4	9087.5	36.61	-40.43	36.47	-62.62	-25.00	37.62	Vertical
5	10063.5	33.55	-39.16	38.23	-62.64	-25.00	37.64	Vertical
6	12213.5	29.31	-37.48	38.86	-64.57	-25.00	39.57	Vertical



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Test Band = NSA 66A_N38A_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3500	43.55	-46.26	28.60	-69.37	-25.00	44.37	Horizontal
2	4935.5	42.97	-45.57	31.26	-66.60	-25.00	41.60	Horizontal
3	6011.5	41.66	-44.79	32.74	-65.65	-25.00	40.65	Horizontal
4	7431.5	40.08	-43.32	36.41	-62.10	-25.00	37.10	Horizontal
5	9648	34.57	-39.56	37.53	-62.72	-25.00	37.72	Horizontal
6	12180	29.38	-37.46	38.85	-64.49	-25.00	39.49	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4874	43.22	-45.53	31.12	-66.45	-25.00	41.45	Vertical
2	6767.5	41.51	-44.05	34.78	-63.02	-25.00	38.02	Vertical
3	8083.5	38.41	-41.52	36.76	-61.62	-25.00	36.62	Vertical
4	9620	35.09	-39.62	37.48	-62.32	-25.00	37.32	Vertical
5	12672.5	28.59	-36.94	39.00	-64.61	-25.00	39.61	Vertical
6	14407	27.42	-34.80	41.06	-61.58	-25.00	36.58	Vertical



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Test Band = NSA 66A_N38A_TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4280.5	42.66	-45.58	29.77	-68.41	-25.00	43.41	Horizontal
2	6014	41.63	-44.78	32.74	-65.66	-25.00	40.66	Horizontal
3	7776.5	39.35	-42.50	36.71	-61.70	-25.00	36.70	Horizontal
4	8736	37.29	-41.53	36.43	-63.07	-25.00	38.07	Horizontal
5	10702.5	31.46	-37.90	38.55	-63.15	-25.00	38.15	Horizontal
6	13369	28.21	-36.49	39.76	-63.77	-25.00	38.77	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3783	43.40	-45.85	28.88	-68.83	-25.00	43.83	Vertical
2	4975	43.17	-45.61	31.35	-66.36	-25.00	41.36	Vertical
3	6758	41.14	-44.02	34.76	-63.37	-25.00	38.37	Vertical
4	8408.5	38.57	-41.46	36.60	-61.56	-25.00	36.56	Vertical
5	9653	35.16	-39.55	37.54	-62.11	-25.00	37.11	Vertical
6	12298.5	28.94	-37.41	38.89	-64.84	-25.00	39.84	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 = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	2.600000	0.000816	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-5.600000	-0.002146	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.100000	-0.002149	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	8.600000	0.003370	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	4.200000	0.002114	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	-3.400000	-0.001511	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	6.700000	0.002918	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.100000	-0.000182	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	9.100000	0.003726	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-0.300000	-0.000072	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-7.600000	-0.002730	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.400000	-0.000062	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	1.100000	0.000703	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.400000	-0.000114	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	5.000000	0.001857	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	0.200000	0.009333	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	0.800000	0.000736	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	5.900000	0.002633	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	10.800000	0.004478	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	16.800000	0.006667	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	3.200000	0.001415	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	1.300000	0.004644	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	1.100000	0.000560	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	9.300000	0.003741	PASS

---End of Attachment---



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