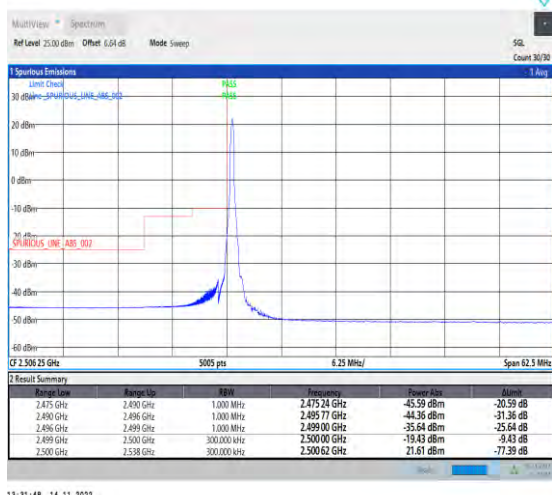


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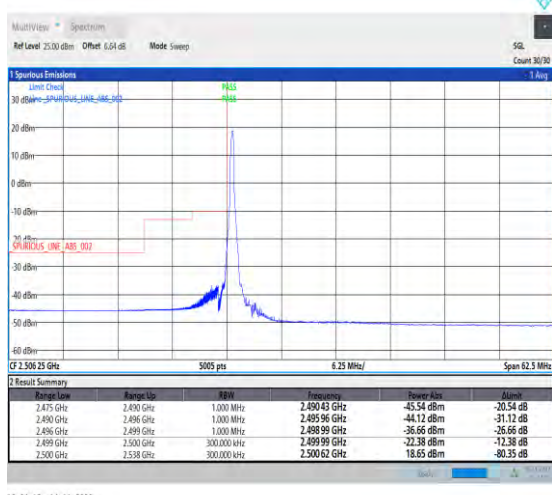
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@0-Ant1-1--PASS-see graph



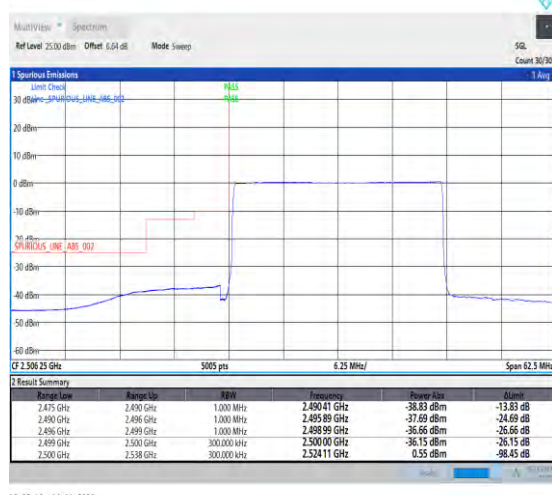
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13:34:13 14.11.2022

1-N7-PC3-15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



13:35:19 14.11.2022

1-N7-PC3-15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph



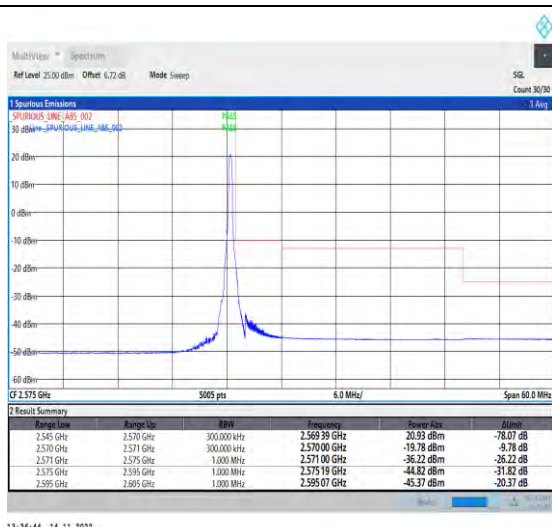
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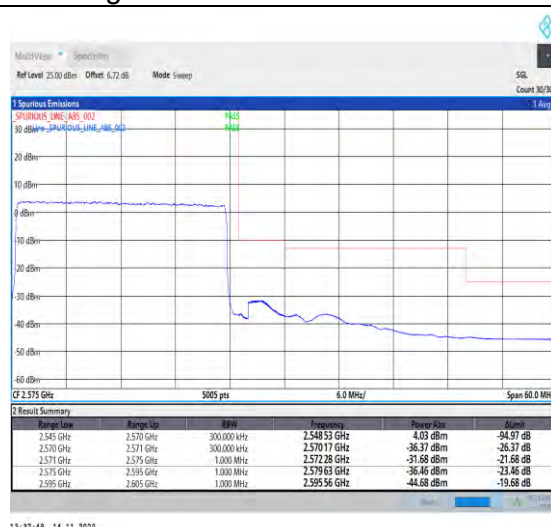
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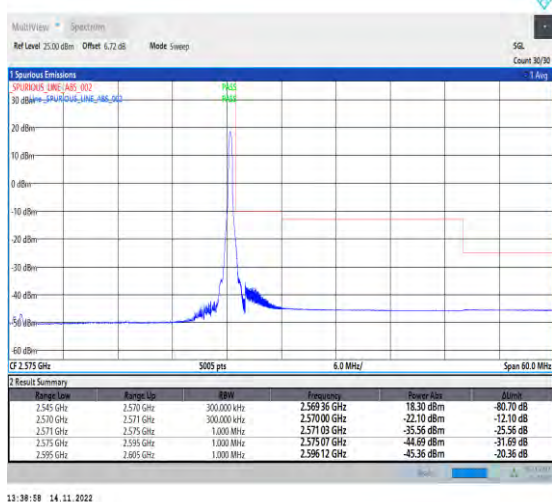
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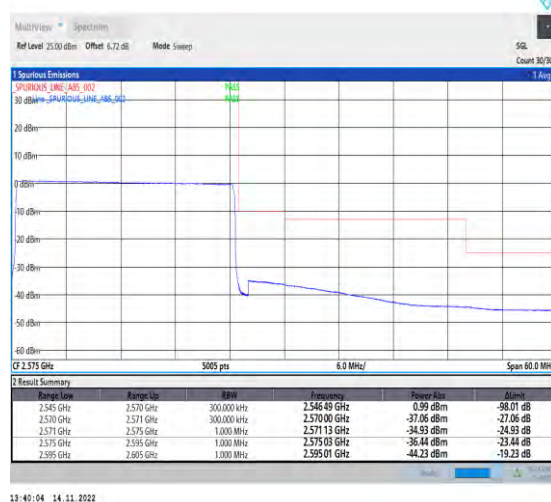
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1-N7-PC3-15-25-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



13:38:58 14.11.2022

1-N7-PC3-15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph



13:40:04 14.11.2022

1-N7-PC3-15-25-H-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph



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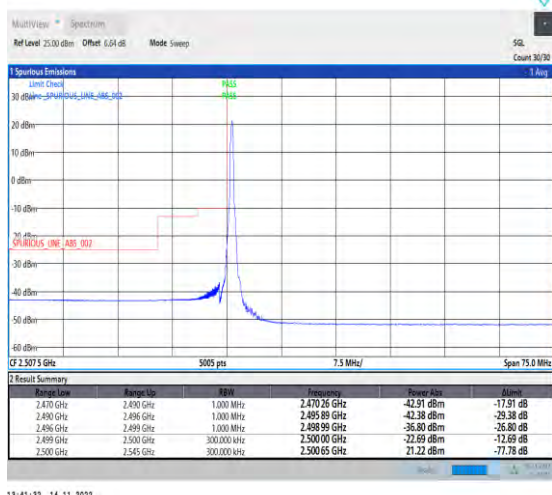
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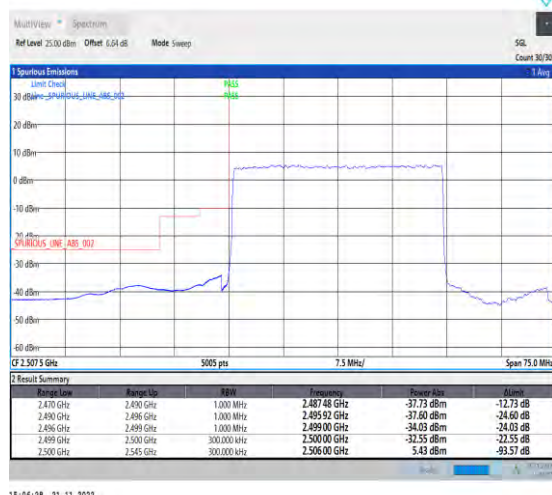
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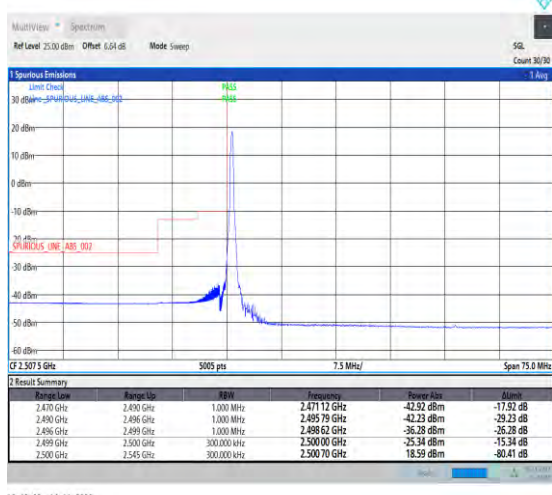
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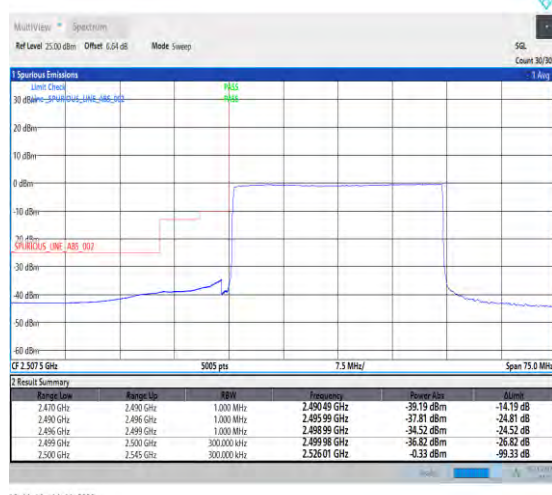
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1-N7-PC3-15-30-L-3-DFT-PI2BPSK-Outer_Full-16
0@0-Ant1-1--PASS-see graph



13:43:08 14.11.2022

1-N7-PC3-15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-
Ant1-1--PASS-see graph



13:44:14 14.11.2022

1-N7-PC3-15-30-L-6-CP-QPSK-Outer_Full-160@
0-Ant1-1--PASS-see graph



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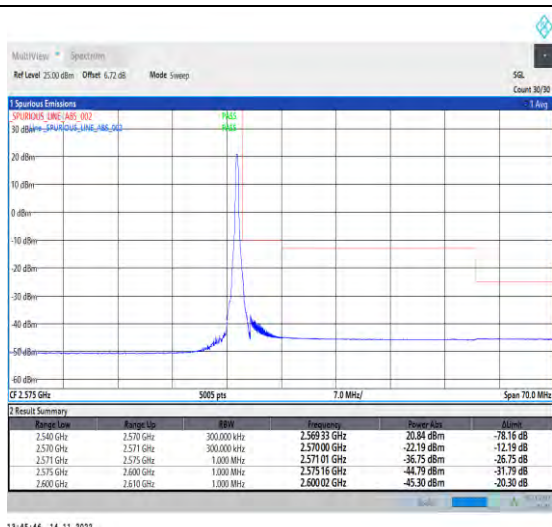
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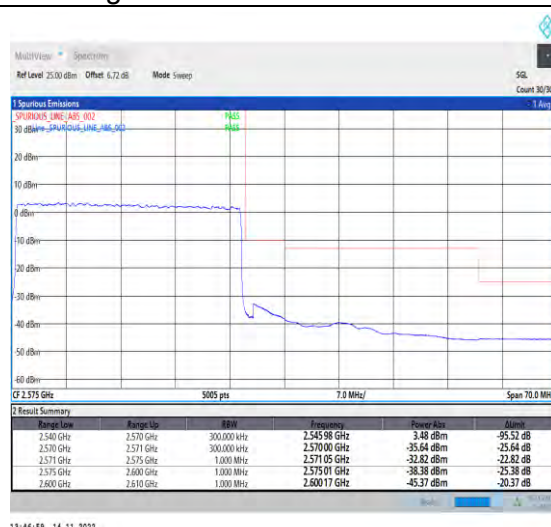
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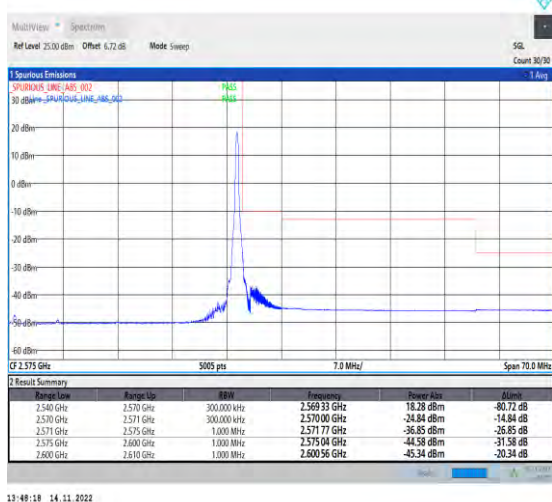
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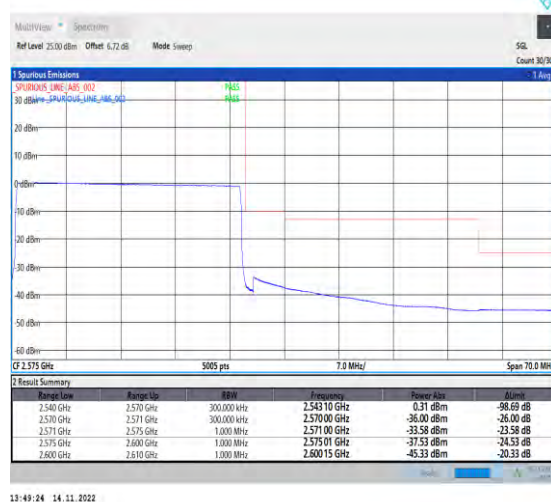
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1-N7-PC3-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant1-1--PASS-see graph



1-N7-PC3-15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant1-1--PASS-see graph



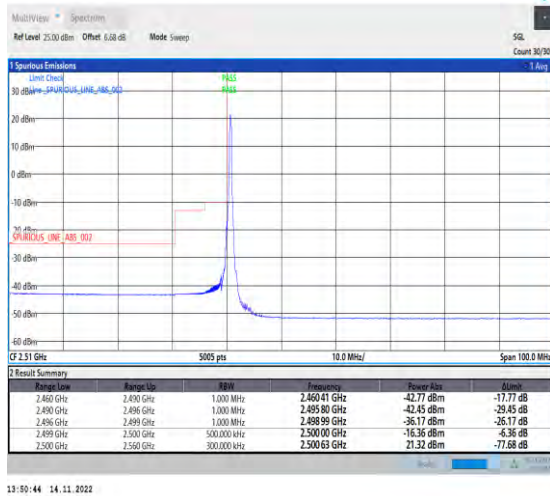
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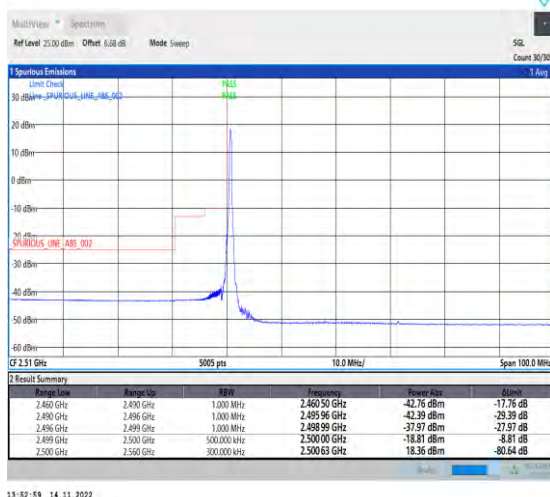
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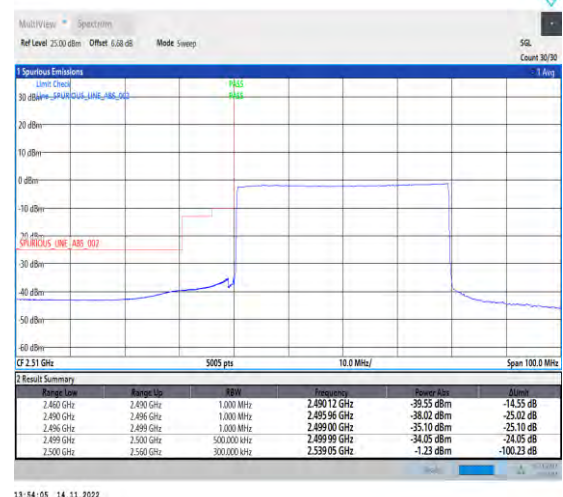
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6@0-Ant1-1--PASS-see graph



13:52:59 14.11.2022

1-N7-PC3-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-
Ant1-1--PASS-see graph



13:54:05 14.11.2022

1-N7-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@
0-Ant1-1--PASS-see graph



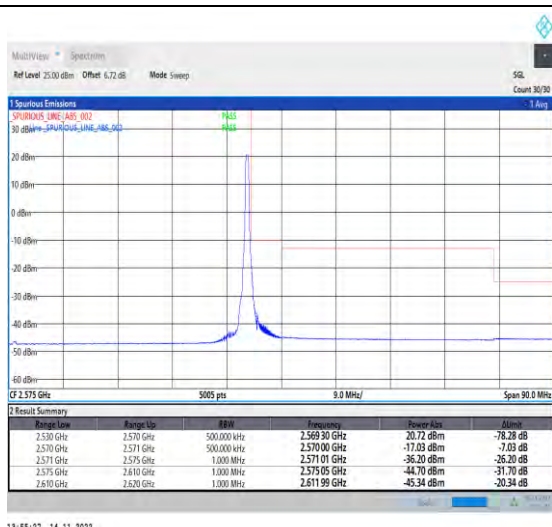
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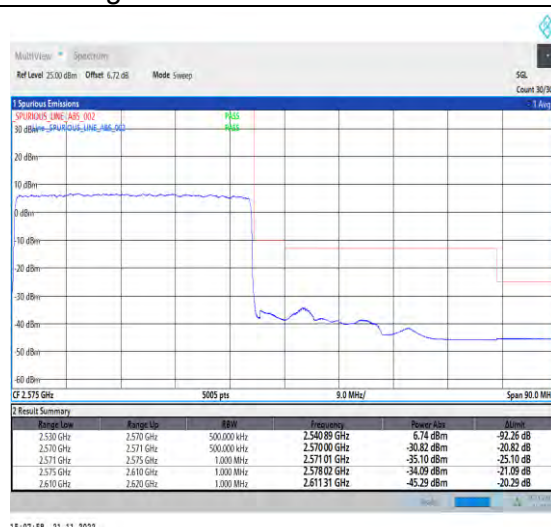
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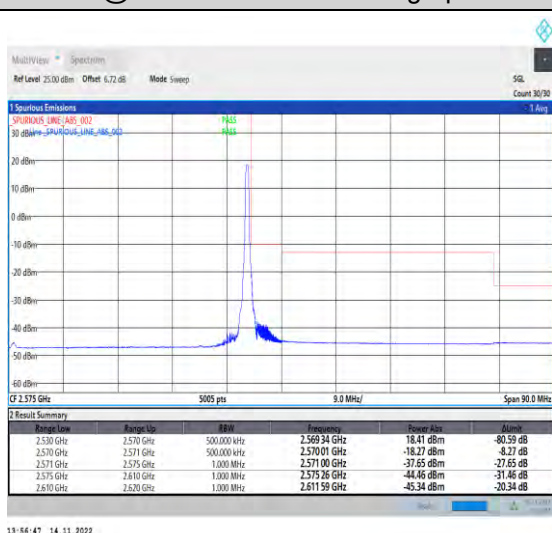
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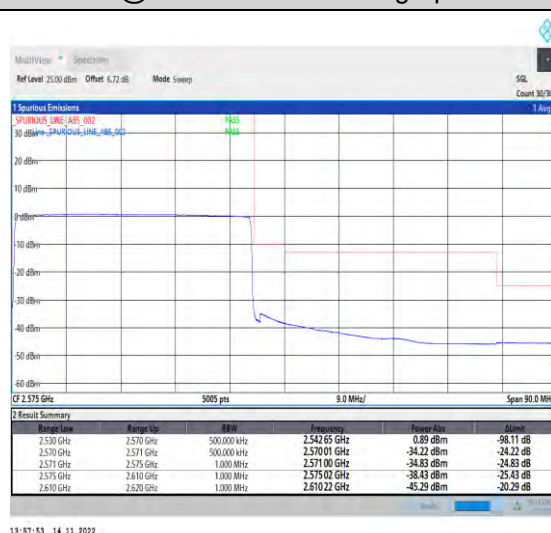
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13:56:47 14.11.2022

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13:57:53 14.11.2022

1-N7-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



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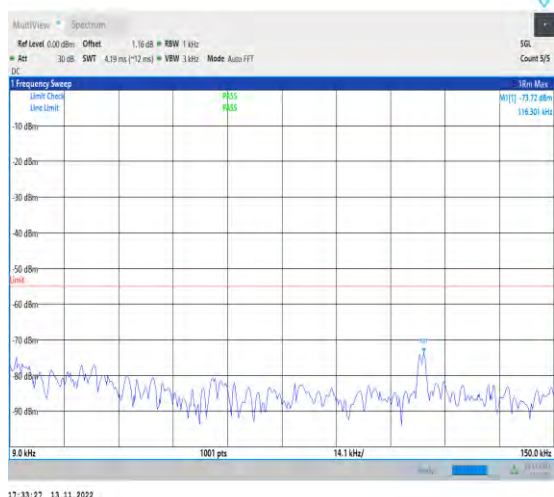
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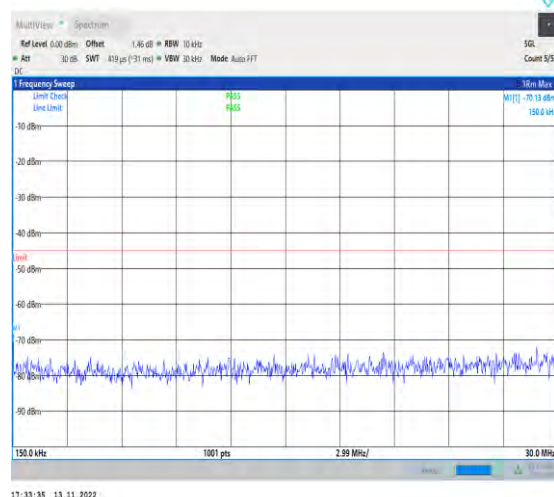
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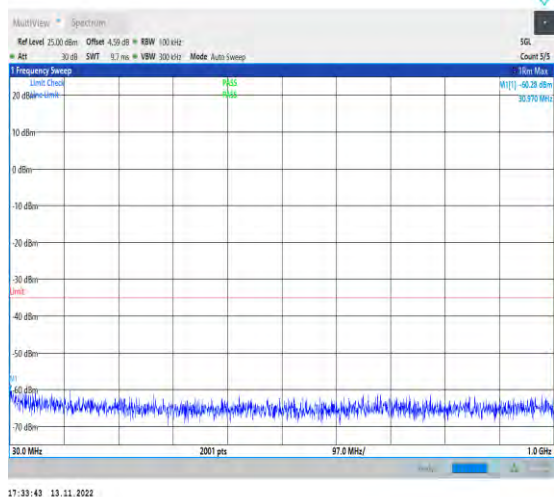
Test Graphs



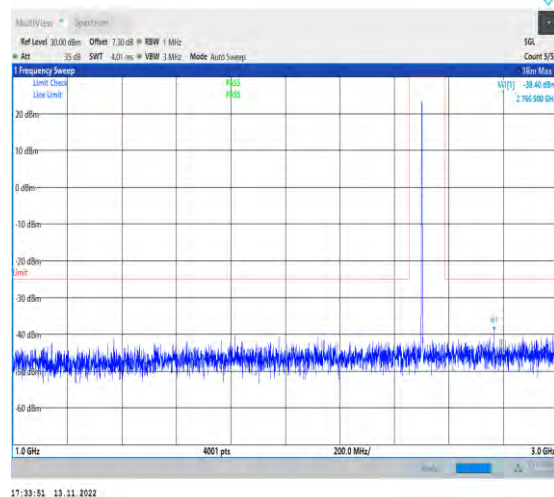
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1-N7-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-0.15-30-Ant1-0.15--70.13--45-PASS



1-N7-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-30-1000-Ant1-30.97--60.28--35-PASS



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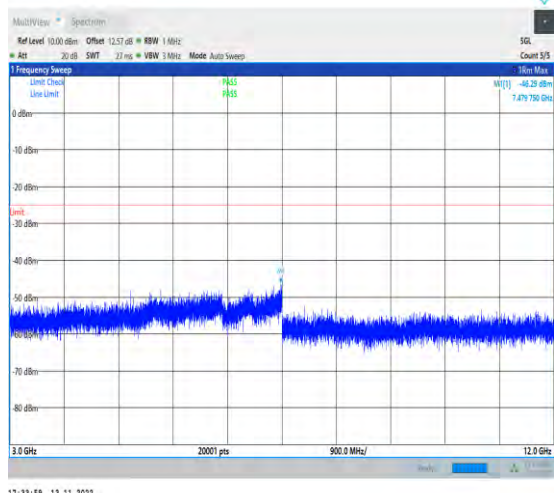
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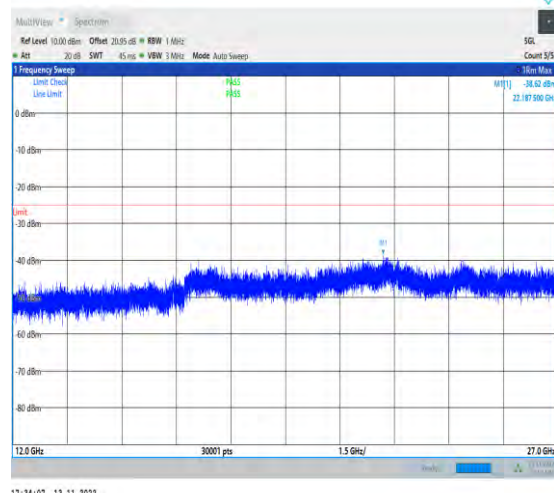
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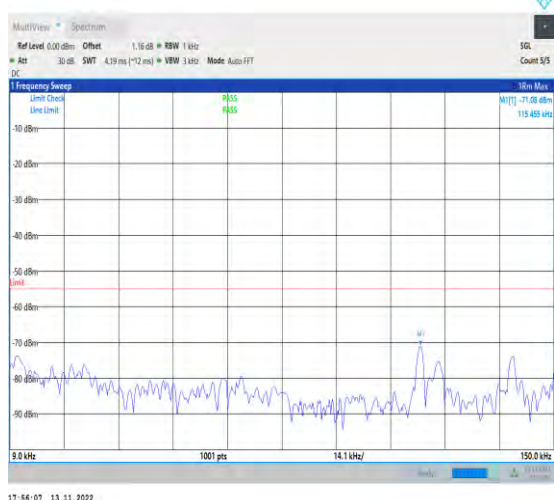
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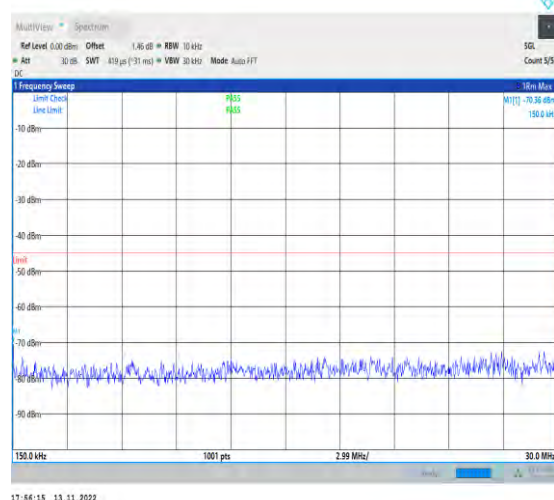
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1-N7-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--70.36--45-PASS



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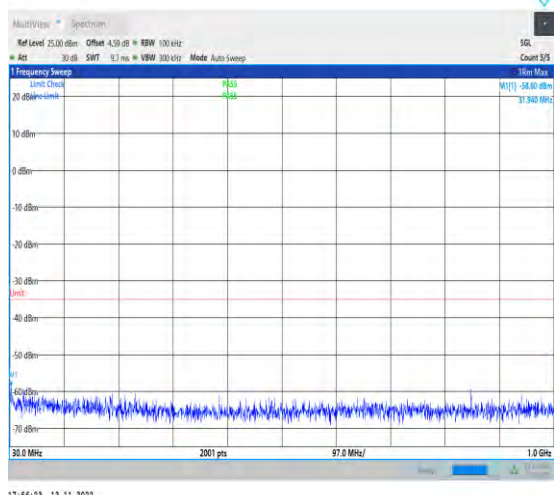
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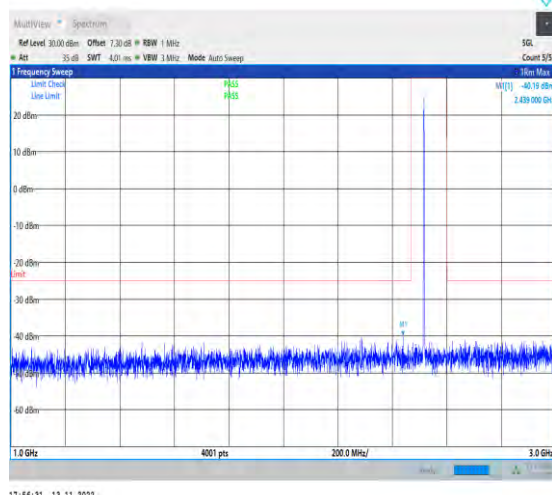
Report No.: SEWM2206000070RG02

Rev.: 01

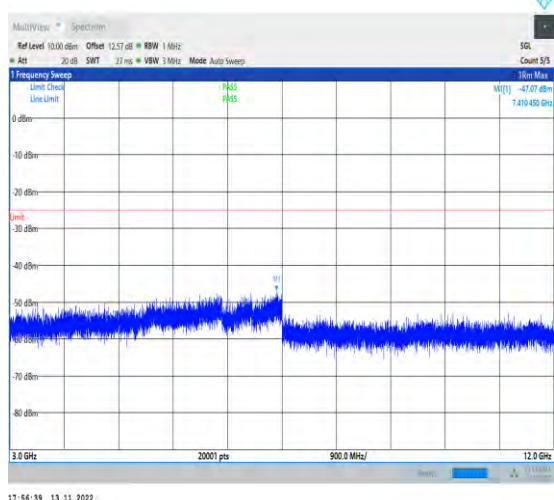
Page: 88 of 98



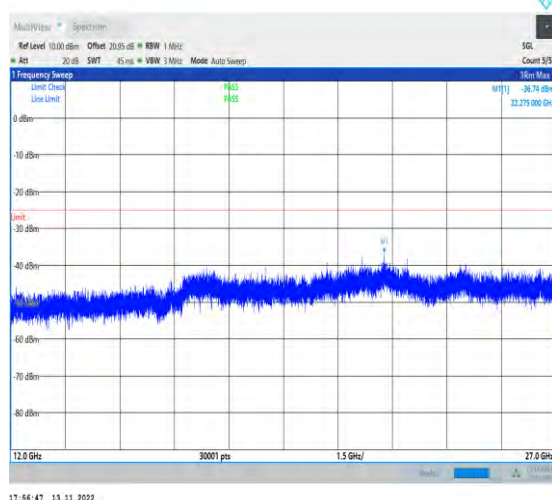
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t-1@1-30-1000-Ant1-31.94--58.80--35-PASS



1-N7-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-1000-3000-Ant1-2439.00--40.19--25-PASS



1-N7-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-3000-12000-Ant1-7410.45--47.07--25-PASS



1-N7-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-12000-27000-Ant1-22275.00--36.74--25-PASS



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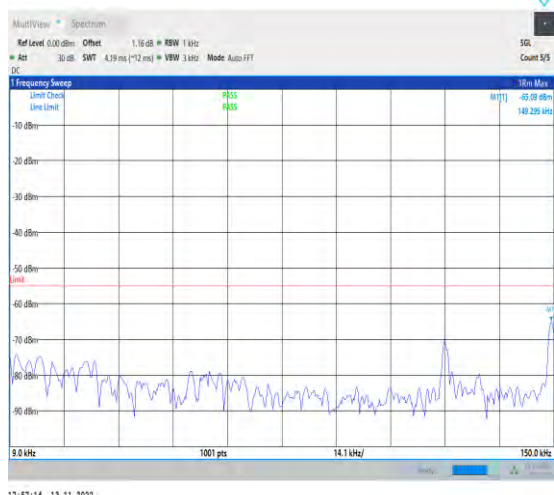
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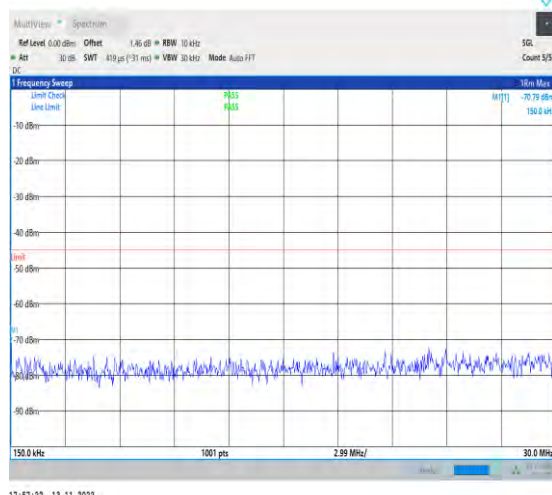
Report No.: SEWM2206000070RG02

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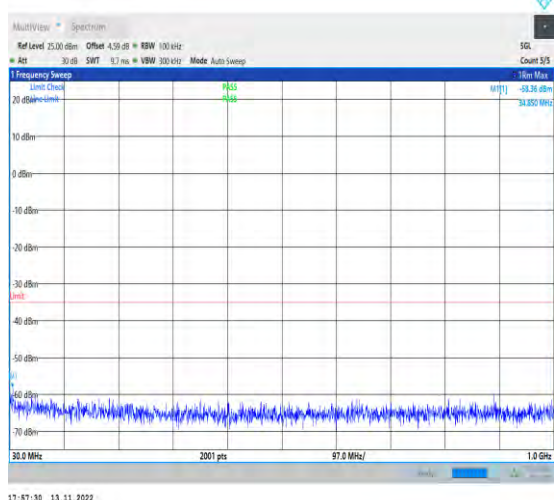
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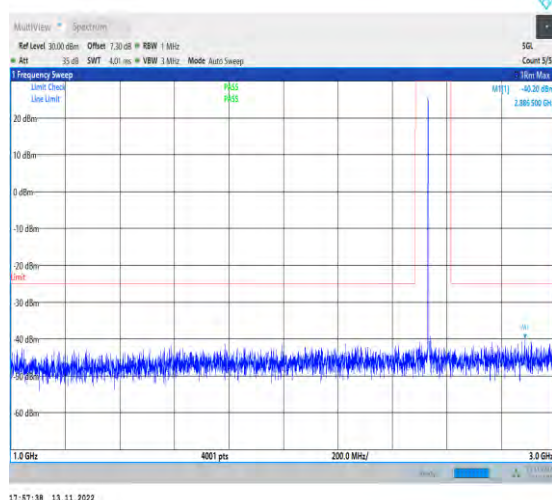
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1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left- 1@1-0.15-30-Ant1-0.15--70.79--45-PASS



1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-30-1000-Ant1-34.85--58.36--35-PASS



1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left- 1@1-1000-3000-Ant1-2886.50--40.20--25-PASS



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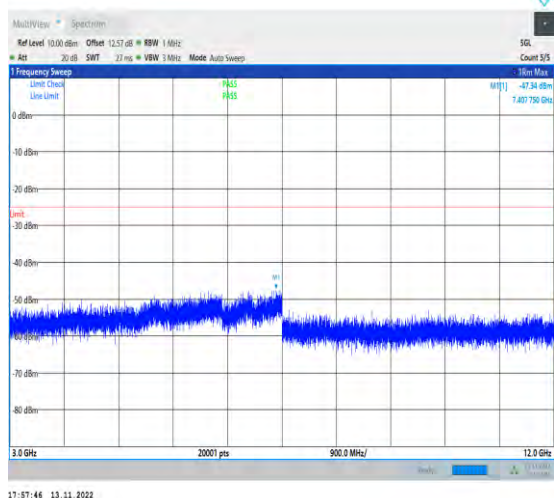
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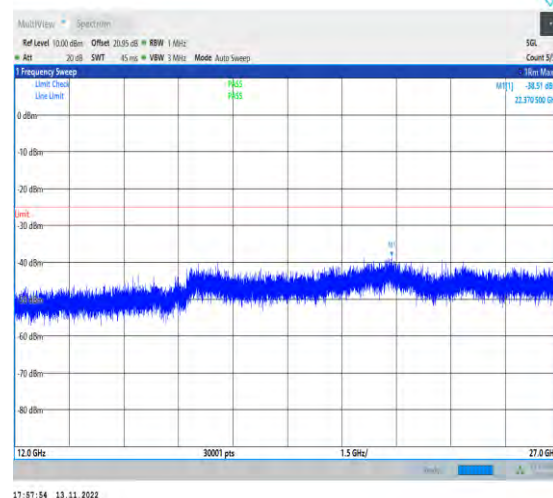
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1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef-t-1@1-3000-12000-Ant1-7407.75--47.34--25-PASS



1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant1-22370.50--38.51--25-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 7_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5031.5	70.07	-44.74	32.60	-37.33	-25.00	12.33	296	158	Horizontal
2	7547	58.57	-41.44	36.59	-41.54	-25.00	16.54	265	202	Horizontal
3	10062.5	51.56	-36.94	38.57	-42.07	-25.00	17.07	241	52	Horizontal
4	12578	48.57	-34.70	39.18	-42.21	-25.00	17.21	142	137	Horizontal
5	15012.54	31.38	-34.02	39.18	-58.72	-25.00	33.72	263	327	Horizontal
6	17514.63	30.48	-31.88	40.66	-56.00	-25.00	31.00	296	285	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5031.5	77.01	-44.74	32.60	-30.39	-25.00	5.39	142	259	Vertical
2	7547	61.76	-41.44	36.59	-38.35	-25.00	13.35	265	114	Vertical
3	10062.5	54.03	-36.94	38.57	-39.60	-25.00	14.60	295	12	Vertical
4	12578.5	55.97	-34.70	39.18	-34.81	-25.00	9.81	142	50	Vertical
5	14509.5	34.43	-34.95	39.69	-56.09	-25.00	31.09	221	12	Vertical
6	17514.63	30.41	-31.88	40.66	-56.07	-25.00	31.07	123	1	Vertical



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Test Band = SA Band 7 _ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5031.5	68.51	-44.74	32.60	-38.89	-25.00	13.89	196	156	Horizontal
2	7547	59.36	-41.44	36.59	-40.75	-25.00	15.75	265	196	Horizontal
3	10062.5	51.12	-36.94	38.57	-42.51	-25.00	17.51	241	135	Horizontal
4	12578	48.52	-34.70	39.18	-42.26	-25.00	17.26	142	156	Horizontal
5	14503	34.33	-34.97	39.70	-56.20	-25.00	31.20	201	3	Horizontal
6	17309.5	32.90	-31.61	39.84	-54.13	-25.00	29.13	142	71	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5031.5	76.13	-44.74	32.60	-31.27	-25.00	6.27	196	87	Vertical
2	7547	63.19	-41.44	36.59	-36.92	-25.00	11.92	142	112	Vertical
3	10063	55.64	-36.94	38.57	-37.99	-25.00	12.99	222	65	Vertical
4	12578	58.43	-34.70	39.18	-32.35	-25.00	7.35	142	149	Vertical
5	14566	34.29	-34.80	39.63	-56.13	-25.00	31.13	263	341	Vertical
6	17316	33.12	-31.64	39.86	-53.91	-25.00	28.91	224	45	Vertical



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Test Band = SA Band 7_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5061.5	72.65	-44.54	32.60	-34.55	-25.00	9.55	196	132	Horizontal
2	7592	60.37	-41.29	36.68	-39.49	-25.00	14.49	265	192	Horizontal
3	10122.5	54.10	-36.75	38.63	-39.28	-25.00	14.28	284	236	Horizontal
4	12653	50.37	-34.85	39.25	-40.48	-25.00	15.48	142	10	Horizontal
5	14518	35.09	-34.93	39.68	-55.42	-25.00	30.42	263	2	Horizontal
6	17694	32.78	-31.02	41.38	-52.12	-25.00	27.12	201	280	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5061.5	78.73	-44.54	32.60	-28.47	-25.00	3.47	396	88	Vertical
2	7592	63.90	-41.29	36.68	-35.96	-25.00	10.96	365	233	Vertical
3	10122.5	55.99	-36.75	38.63	-37.39	-25.00	12.39	241	10	Vertical
4	12653.5	59.39	-34.85	39.25	-31.47	-25.00	6.47	142	151	Vertical
5	15184	33.89	-32.78	38.96	-55.19	-25.00	30.19	266	74	Vertical
6	17834	33.71	-30.90	41.94	-50.51	-25.00	25.51	213	0	Vertical



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Test Band = DC_5A_n7A_TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5001.5	72.68	-44.93	32.60	-34.91	-25.00	9.91	142	234	Horizontal
2	7502	61.54	-41.59	36.50	-38.81	-25.00	13.81	296	212	Horizontal
3	10003	54.98	-37.14	38.50	-38.92	-25.00	13.92	235	44	Horizontal
4	12503	48.97	-35.25	39.10	-42.44	-25.00	17.44	241	298	Horizontal
5	15012.54	31.42	-34.02	39.18	-58.68	-25.00	33.68	185	340	Horizontal
6	17514.63	30.67	-31.88	40.66	-55.81	-25.00	30.81	296	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5001	78.84	-44.93	32.60	-28.75	-25.00	3.75	362	111	Vertical
2	7502	65.86	-41.59	36.50	-34.49	-25.00	9.49	285	215	Vertical
3	10002.5	57.33	-37.14	38.50	-36.57	-25.00	11.57	241	11	Vertical
4	12503.5	58.59	-35.24	39.10	-32.81	-25.00	7.81	142	151	Vertical
5	15012.54	31.53	-34.02	39.18	-58.57	-25.00	33.57	263	298	Vertical
6	17514.63	30.60	-31.88	40.66	-55.88	-25.00	30.88	201	0	Vertical



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Test Band = DC_5A_n7A_TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5031.5	69.34	-44.74	32.60	-38.06	-25.00	13.06	185	215	Horizontal
2	7546.5	58.01	-41.44	36.59	-42.10	-25.00	17.10	274	215	Horizontal
3	10062.5	50.81	-36.94	38.57	-42.82	-25.00	17.82	190	53	Horizontal
4	12578	48.83	-34.70	39.18	-41.95	-25.00	16.95	266	215	Horizontal
5	15131	33.58	-33.78	39.03	-56.43	-25.00	31.43	322	92	Horizontal
6	17689.5	33.21	-31.06	41.36	-51.75	-25.00	26.75	164	236	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5031.5	77.85	-44.74	32.60	-29.55	-25.00	4.55	205	258	Vertical
2	7547	63.24	-41.44	36.59	-36.87	-25.00	11.87	165	110	Vertical
3	10062.5	56.24	-36.94	38.57	-37.39	-25.00	12.39	234	239	Vertical
4	12578.5	58.79	-34.70	39.18	-31.99	-25.00	6.99	195	155	Vertical
5	14103.5	34.88	-35.01	40.10	-55.29	-25.00	30.29	316	190	Vertical
6	17016.5	33.82	-31.41	38.67	-54.19	-25.00	29.19	284	90	Vertical



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Test Band = DC_5A_n7A_TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5061	72.76	-44.54	32.60	-34.44	-25.00	9.44	265	234	Horizontal
2	7592	61.89	-41.29	36.68	-37.97	-25.00	12.97	176	211	Horizontal
3	10122.5	53.08	-36.75	38.63	-40.30	-25.00	15.30	205	132	Horizontal
4	12653.5	49.89	-34.85	39.25	-40.97	-25.00	15.97	312	151	Horizontal
5	15244.5	33.66	-33.10	38.88	-55.82	-25.00	30.82	196	357	Horizontal
6	17063	33.80	-31.91	38.85	-54.52	-25.00	29.52	288	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5061	78.78	-44.54	32.60	-28.42	-25.00	3.42	366	257	Vertical
2	7592	63.21	-41.29	36.68	-36.65	-25.00	11.65	226	237	Vertical
3	10122.5	55.64	-36.75	38.63	-37.74	-25.00	12.74	231	288	Vertical
4	12653.5	59.04	-34.85	39.25	-31.82	-25.00	6.82	206	306	Vertical
5	15184	33.60	-32.78	38.96	-55.48	-25.00	30.48	306	184	Vertical
6	17799	32.18	-30.81	41.80	-52.10	-25.00	27.10	174	204	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



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	12.700000	0.005010	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	5.600000	0.002209	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.600000	-0.000237	PASS
N7	15	40	CP-QPSK	M	Outer_Full	VH	NT	3.900000	0.001538	PASS
N7	15	40	CP-QPSK	M	Outer_Full	VN	NT	6.100000	0.002406	PASS
N7	15	40	CP-QPSK	M	Outer_Full	VL	NT	4.500000	0.001775	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	17.100000	0.006746	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	22.800000	0.008994	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	18.700000	0.007377	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	19.500000	0.007692	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	21.500000	0.008481	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	32.300000	0.012742	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	18.600000	0.007337	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	21.200000	0.008363	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	13.800000	0.005444	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	-30	12.300000	0.004852	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	-20	6.200000	0.002446	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	-10	12.300000	0.004852	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	0	2.000000	0.000789	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	10	9.700000	0.003826	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	20	1.900000	0.000750	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	30	7.700000	0.003037	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	40	8.900000	0.003511	PASS
N7	15	40	CP-QPSK	M	Outer_Full	NV	50	-6.400000	-0.002525	PASS

---End of Attachment---



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