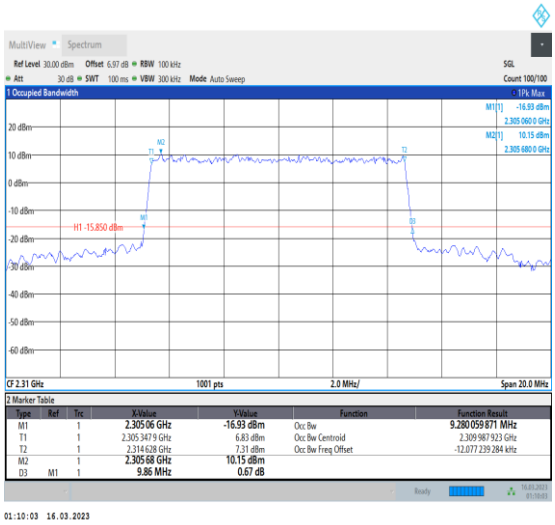

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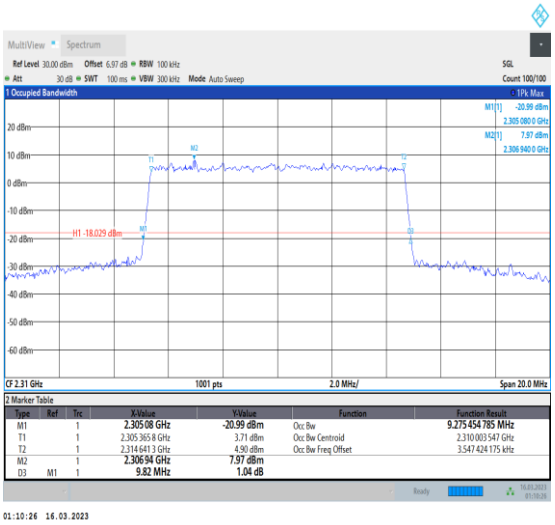

1-N30-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.275-9.820-≤10-PASS

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Band Edge for SA

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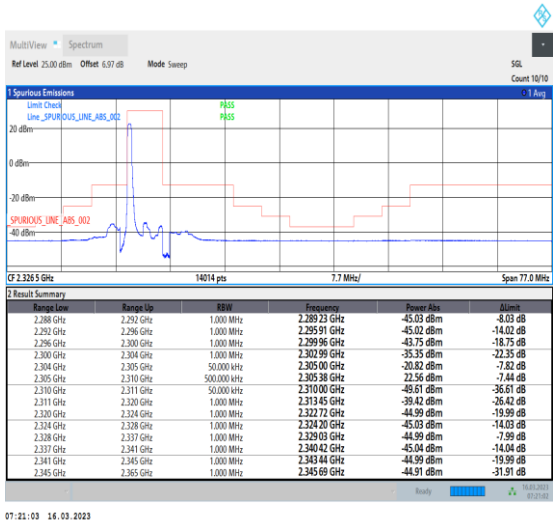

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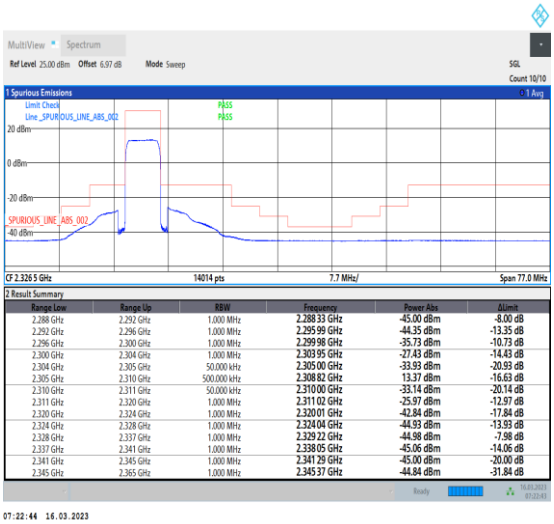

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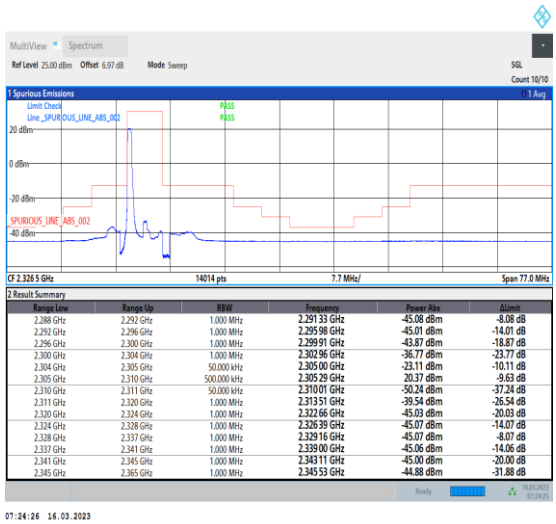

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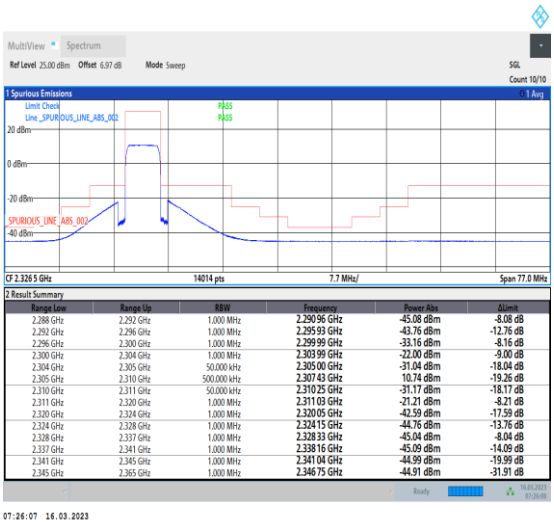

1-N30-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph

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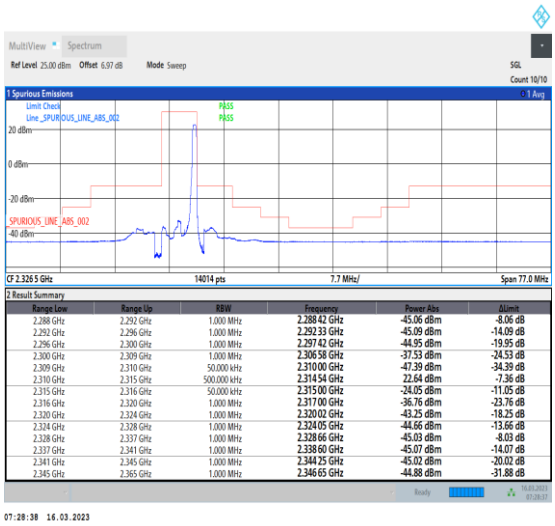
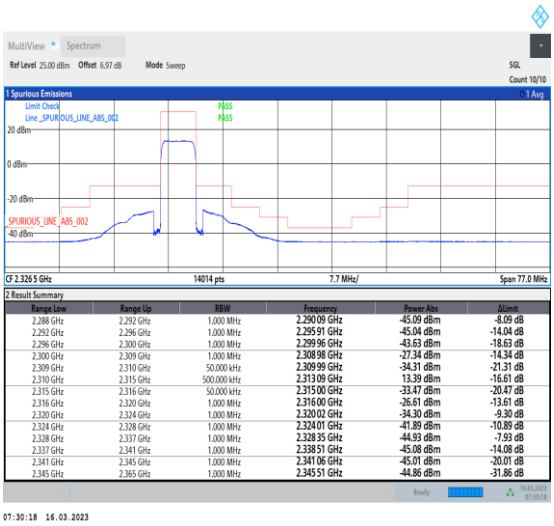


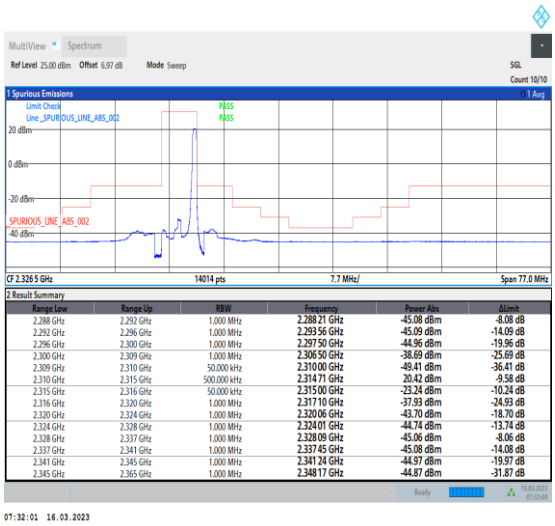
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.288 GHz	2.292 GHz	1.000 MHz	2.288 42 GHz	-45.06 dBm	-8.06 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.292 33 GHz	-45.09 dBm	-14.09 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.297 42 GHz	-44.95 dBm	-19.95 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.306 58 GHz	-37.53 dBm	-24.53 dB
2.309 GHz	2.310 GHz	50.000 kHz	2.310 00 GHz	-47.39 dBm	-34.39 dB
2.310 GHz	2.315 GHz	500.000 kHz	2.314 54 GHz	22.64 dBm	-7.36 dB
2.315 GHz	2.316 GHz	50.000 kHz	2.315 00 GHz	-24.05 dBm	-11.05 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.317 00 GHz	-36.76 dBm	-23.76 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.320 02 GHz	-43.25 dBm	-18.25 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.324 05 GHz	-44.66 dBm	-13.66 dB
2.328 GHz	2.337 GHz	1.000 MHz	2.328 66 GHz	-45.03 dBm	-8.03 dB
2.337 GHz	2.341 GHz	1.000 MHz	2.338 60 GHz	-45.07 dBm	-14.07 dB
2.341 GHz	2.345 GHz	1.000 MHz	2.344 25 GHz	-45.02 dBm	-20.02 dB
2.345 GHz	2.365 GHz	1.000 MHz	2.346 65 GHz	-44.88 dBm	-31.88 dB

1-N30-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



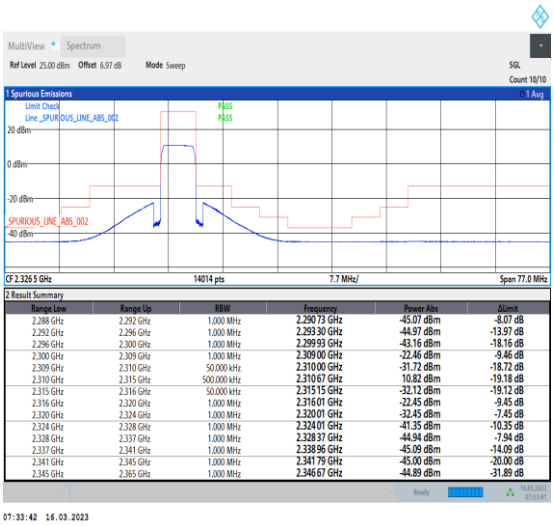
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.288 GHz	2.292 GHz	1.000 MHz	2.290 09 GHz	-45.09 dBm	-8.09 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.295 91 GHz	-45.04 dBm	-14.04 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.299 96 GHz	-43.63 dBm	-18.63 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.308 98 GHz	-27.34 dBm	-14.34 dB
2.309 GHz	2.310 GHz	50.000 kHz	2.309 99 GHz	-34.31 dBm	-21.31 dB
2.310 GHz	2.315 GHz	500.000 kHz	2.313 09 GHz	13.39 dBm	-16.61 dB
2.315 GHz	2.316 GHz	50.000 kHz	2.315 00 GHz	-33.47 dBm	-20.47 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.316 00 GHz	-26.61 dBm	-13.61 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.320 02 GHz	-34.30 dBm	-9.30 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.324 01 GHz	-41.89 dBm	-10.89 dB
2.328 GHz	2.337 GHz	1.000 MHz	2.328 35 GHz	-44.93 dBm	-7.93 dB
2.337 GHz	2.341 GHz	1.000 MHz	2.338 51 GHz	-45.08 dBm	-14.08 dB
2.341 GHz	2.345 GHz	1.000 MHz	2.341 06 GHz	-45.01 dBm	-20.01 dB
2.345 GHz	2.365 GHz	1.000 MHz	2.345 51 GHz	-44.86 dBm	-31.86 dB

1-N30-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.288 GHz	2.292 GHz	1.000 MHz	2.288 21 GHz	-45.08 dBm	-8.08 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.293 56 GHz	-45.09 dBm	-14.09 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.297 50 GHz	-44.96 dBm	-19.96 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.306 50 GHz	-38.69 dBm	-25.69 dB
2.309 GHz	2.310 GHz	50.000 kHz	2.310 00 GHz	-49.41 dBm	-36.41 dB
2.310 GHz	2.315 GHz	500.000 kHz	2.314 71 GHz	20.42 dBm	-9.58 dB
2.315 GHz	2.316 GHz	50.000 kHz	2.315 00 GHz	-23.24 dBm	-10.24 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.317 10 GHz	-37.93 dBm	-24.93 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.320 06 GHz	-43.70 dBm	-18.70 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.324 01 GHz	-44.74 dBm	-13.74 dB
2.328 GHz	2.337 GHz	1.000 MHz	2.328 09 GHz	-45.06 dBm	-8.06 dB
2.337 GHz	2.341 GHz	1.000 MHz	2.337 45 GHz	-45.08 dBm	-14.08 dB
2.341 GHz	2.345 GHz	1.000 MHz	2.341 24 GHz	-44.97 dBm	-19.97 dB
2.345 GHz	2.365 GHz	1.000 MHz	2.348 17 GHz	-44.87 dBm	-31.87 dB

1-N30-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.288 GHz	2.292 GHz	1.000 MHz	2.290 73 GHz	-45.07 dBm	-8.07 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.293 30 GHz	-44.97 dBm	-13.97 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.299 93 GHz	-43.16 dBm	-18.16 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.309 00 GHz	-22.46 dBm	-9.46 dB
2.309 GHz	2.310 GHz	50.000 kHz	2.310 00 GHz	-31.72 dBm	-18.72 dB
2.310 GHz	2.315 GHz	500.000 kHz	2.310 67 GHz	10.82 dBm	-19.18 dB
2.315 GHz	2.316 GHz	50.000 kHz	2.315 15 GHz	-32.12 dBm	-19.12 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.316 01 GHz	-22.45 dBm	-9.45 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.320 01 GHz	-32.45 dBm	-7.45 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.324 01 GHz	-41.35 dBm	-10.35 dB
2.328 GHz	2.337 GHz	1.000 MHz	2.328 37 GHz	-44.94 dBm	-7.94 dB
2.337 GHz	2.341 GHz	1.000 MHz	2.338 96 GHz	-45.09 dBm	-14.09 dB
2.341 GHz	2.345 GHz	1.000 MHz	2.341 79 GHz	-45.00 dBm	-20.00 dB
2.345 GHz	2.365 GHz	1.000 MHz	2.346 67 GHz	-44.89 dBm	-31.89 dB

1-N30-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph

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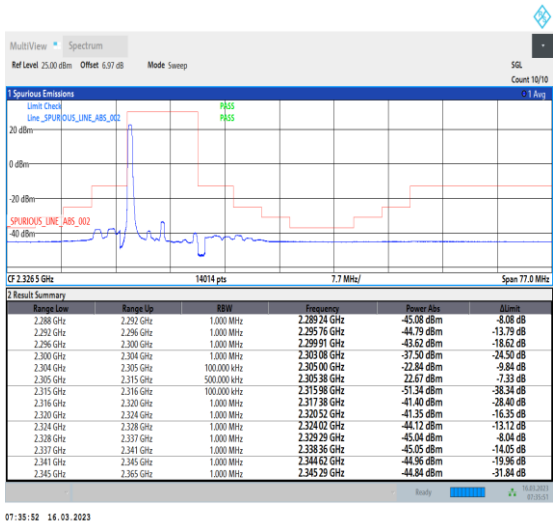

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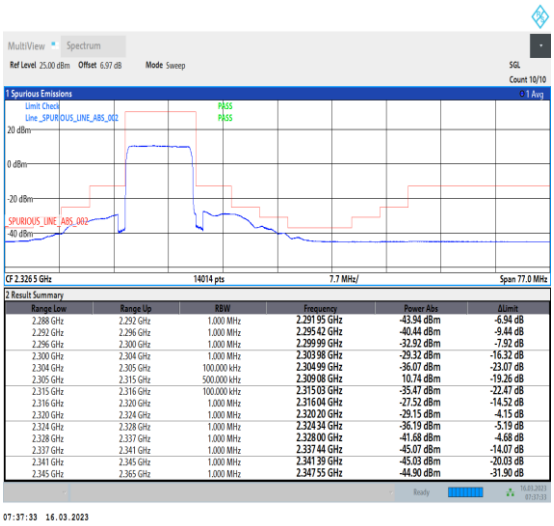

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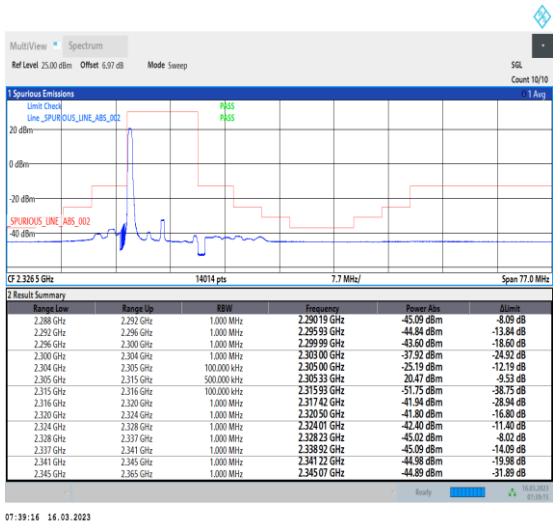

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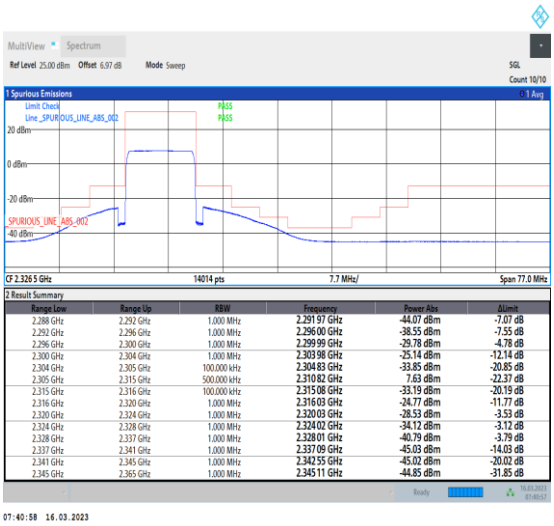

1-N30-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph

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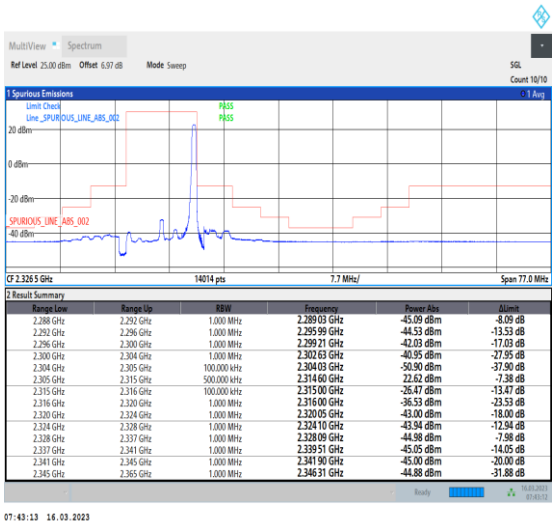
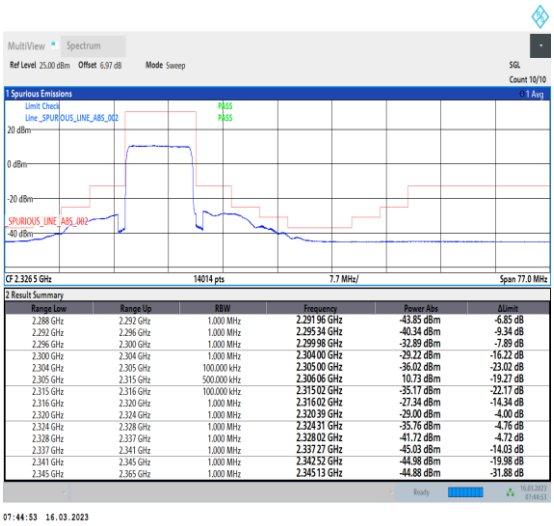


1-N30-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph



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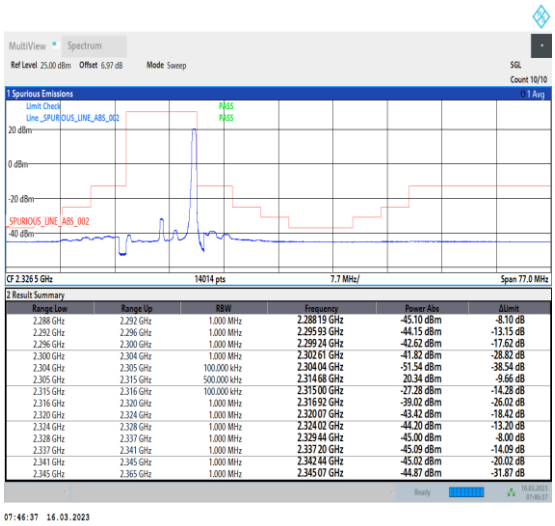

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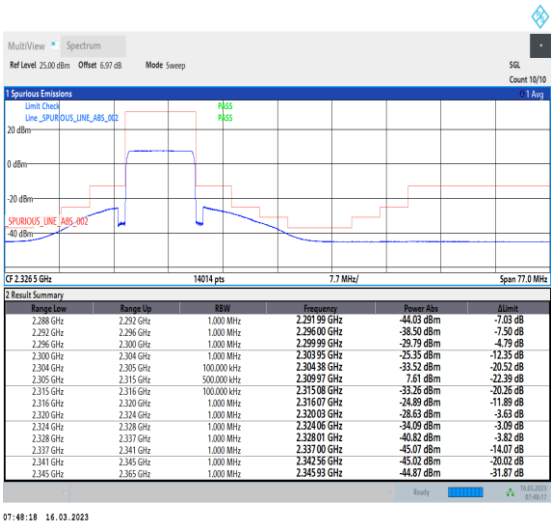

1-N30-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph

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	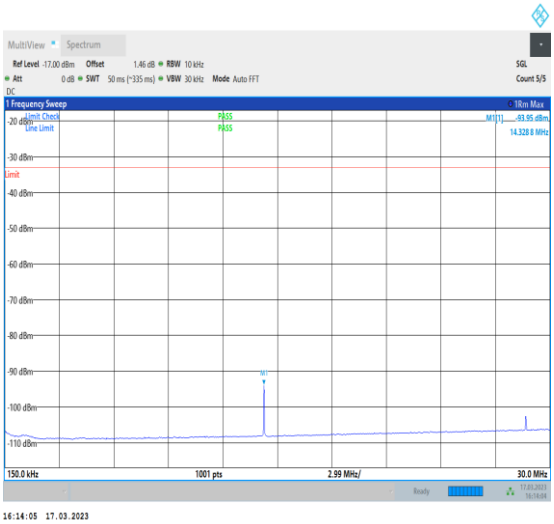
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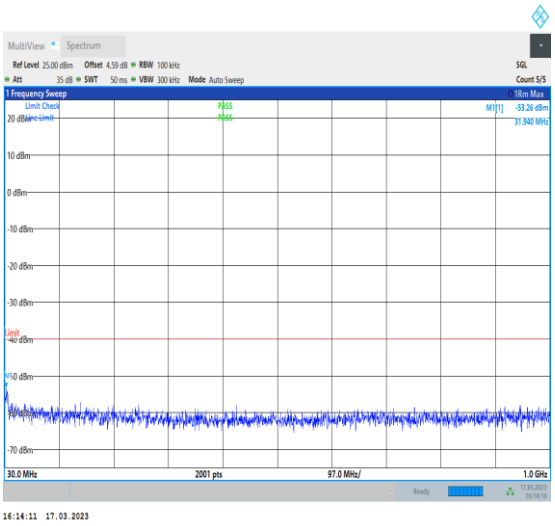	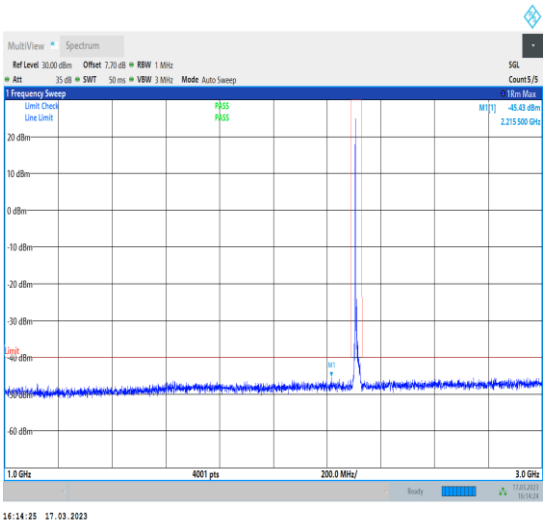
1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-34.85--53.26--40-PASS	1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2938.00--45.43--40-PASS

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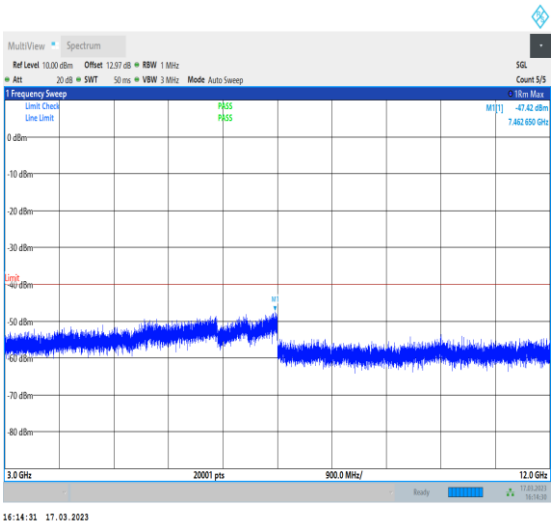	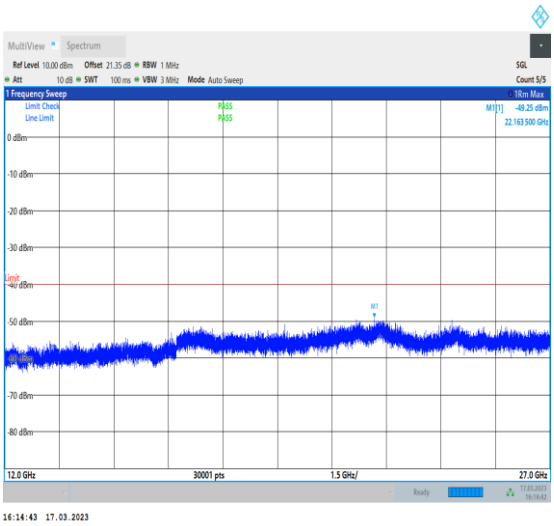
1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-7480.65--47.42--40-PASS	1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant1-22404.00--49.25--40-PASS

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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation

Test Band = SA Band30_10MHz_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4420.3800	43.21	-45.80	31.53	-66.32	-40.00	26.32	213	181	Horizontal
2	6630.5700	41.59	-44.18	35.50	-62.35	-40.00	22.35	265	357	Horizontal
3	8840.7600	38.68	-41.25	38.10	-59.72	-40.00	19.72	145	105	Horizontal
4	11050.9500	34.51	-37.91	39.08	-59.58	-40.00	19.58	189	1	Horizontal
5	13261.1400	33.89	-37.00	39.99	-58.38	-40.00	18.38	251	90	Horizontal
6	15471.3300	34.35	-34.84	38.61	-57.14	-40.00	17.14	144	44	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	4420.3800	42.35	-45.80	31.53	-67.18	-40.00	27.18	221	256	Vertical
2	6630.5700	41.22	-44.18	35.50	-62.72	-40.00	22.72	154	316	Vertical
3	8840.7600	39.22	-41.25	38.10	-59.18	-40.00	19.18	136	346	Vertical
4	11050.9500	34.18	-37.91	39.08	-59.91	-40.00	19.91	256	181	Vertical
5	13261.1400	33.52	-37.00	39.99	-58.75	-40.00	18.75	299	0	Vertical
6	15471.3300	33.54	-34.84	38.61	-57.95	-40.00	17.95	140	90	Vertical

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Test Band = SA Band30_5MHz_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4606.1800	42.86	-45.67	31.73	-66.34	-40.00	26.34	284	346	Horizontal
2	6909.2700	41.56	-44.05	35.97	-61.77	-40.00	21.77	142	122	Horizontal
3	9212.3600	37.52	-40.25	38.35	-59.64	-40.00	19.64	136	30	Horizontal
4	11515.4500	34.55	-37.25	38.98	-58.97	-40.00	18.97	256	211	Horizontal
5	13818.5400	33.94	-36.22	39.98	-57.57	-40.00	17.57	211	44	Horizontal
6	16121.6300	34.97	-34.56	37.71	-57.14	-40.00	17.14	198	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	4606.1800	43.02	-45.67	31.73	-66.18	-40.00	26.18	245	356	Vertical
2	6909.2700	40.92	-44.05	35.97	-62.41	-40.00	22.41	144	181	Vertical
3	9212.3600	37.49	-40.25	38.35	-59.67	-40.00	19.67	175	302	Vertical
4	11515.4500	33.86	-37.25	38.98	-59.66	-40.00	19.66	142	0	Vertical
5	13818.5400	33.73	-36.22	39.98	-57.78	-40.00	17.78	169	44	Vertical
6	16121.6300	35.34	-34.56	37.71	-56.77	-40.00	16.77	281	47	Vertical

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Member of the SGS Group (SGS SA)

Test Band = SA Band30_5MHz_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4429.7400	42.61	-45.79	31.54	-66.90	-40.00	26.90	214	286	Horizontal
2	6644.6100	40.83	-44.11	35.53	-63.01	-40.00	23.01	136	212	Horizontal
3	8859.4800	38.75	-41.24	38.12	-59.64	-40.00	19.64	255	255	Horizontal
4	11074.3500	34.45	-37.94	39.08	-59.66	-40.00	19.66	199	316	Horizontal
5	13289.2200	33.77	-36.91	40.02	-58.38	-40.00	18.38	184	270	Horizontal
6	15504.0900	34.08	-35.35	38.57	-57.96	-40.00	17.96	172	3	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	4429.7400	42.58	-45.79	31.54	-66.93	-40.00	26.93	213	46	Vertical
2	6644.6100	41.59	-44.11	35.53	-62.25	-40.00	22.25	254	164	Vertical
3	8859.4800	38.63	-41.24	38.12	-59.76	-40.00	19.76	163	197	Vertical
4	11074.3500	34.58	-37.94	39.08	-59.53	-40.00	19.53	256	209	Vertical
5	13289.2200	33.68	-36.91	40.02	-58.47	-40.00	18.47	211	62	Vertical
6	15504.0900	35.25	-35.35	38.57	-56.79	-40.00	16.79	142	301	Vertical

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Test Band = SA Band30_5MHz_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4614.0200	42.29	-45.66	31.75	-66.87	-40.00	26.87	255	212	Horizontal
2	6921.0300	41.53	-43.98	35.99	-61.72	-40.00	21.72	148	36	Horizontal
3	9228.0400	36.25	-40.24	38.36	-60.89	-40.00	20.89	186	135	Horizontal
4	11535.0500	34.14	-37.16	38.96	-59.32	-40.00	19.32	236	240	Horizontal
5	13842.0600	34.69	-35.99	40.00	-56.57	-40.00	16.57	259	357	Horizontal
6	16148.0700	35.81	-34.59	37.68	-56.36	-40.00	16.36	199	111	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	4614.0200	41.68	-45.66	31.75	-67.48	-40.00	27.48	174	317	Vertical
2	6921.0300	40.65	-43.98	35.99	-62.60	-40.00	22.60	158	240	Vertical
3	9228.0400	36.89	-40.24	38.36	-60.25	-40.00	20.25	146	332	Vertical
4	11535.0500	33.79	-37.16	38.96	-59.67	-40.00	19.67	299	212	Vertical
5	13842.0600	34.16	-35.99	40.00	-57.10	-40.00	17.10	135	301	Vertical
6	16148.0700	35.19	-34.59	37.68	-56.98	-40.00	16.98	120	105	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 2A_n30A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4028.25	42.21	-45.96	30.84	-68.17	-40.00	28.17	299	303	Horizontal
2	5436	41.73	-45.28	32.84	-65.97	-40.00	25.97	286	243	Horizontal
3	7687.5	38.95	-43.10	36.56	-62.85	-40.00	22.85	242	153	Horizontal
4	11392.5	31.40	-37.37	39.11	-62.12	-40.00	22.12	156	49	Horizontal
5	13736.25	32.98	-36.25	40.02	-58.51	-40.00	18.51	234	153	Horizontal
6	15384	33.00	-33.64	38.73	-57.17	-40.00	17.17	274	258	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	4826.25	41.61	-45.54	32.39	-66.79	-40.00	26.79	129	62	Vertical
2	6057	41.04	-44.61	34.15	-64.68	-40.00	24.68	326	166	Vertical
3	9105.75	34.96	-40.34	38.27	-62.37	-40.00	22.37	274	3	Vertical
4	11832	30.96	-36.99	38.79	-62.51	-40.00	22.51	144	330	Vertical
5	15169.5	32.99	-34.23	38.99	-57.51	-40.00	17.51	256	257	Vertical
6	15802.5	33.63	-33.05	38.20	-56.49	-40.00	16.49	284	301	Vertical

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Test Band = NSA 2A_n30A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3953.25	41.01	-46.15	30.69	-69.71	-40.00	29.71	138	3	Horizontal
2	6143.25	39.57	-44.58	34.18	-66.09	-40.00	26.09	295	72	Horizontal
3	8476.5	35.77	-41.58	37.49	-63.58	-40.00	23.58	174	338	Horizontal
4	11604.75	23.76	-36.90	38.89	-69.52	-40.00	29.52	165	72	Horizontal
5	14322.75	24.80	-35.85	40.14	-66.17	-40.00	26.17	244	87	Horizontal
6	17231.25	28.17	-35.14	38.65	-63.58	-40.00	23.58	185	324	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	4631.25	49.87	-45.65	31.81	-59.23	-40.00	19.23	195	1	Vertical
2	6466.5	39.92	-44.54	34.89	-64.99	-40.00	24.99	268	242	Vertical
3	8931	34.03	-41.17	38.16	-64.24	-40.00	24.24	274	121	Vertical
4	11145	27.58	-37.71	39.10	-66.29	-40.00	26.29	120	47	Vertical
5	12788.25	25.54	-36.81	39.61	-66.92	-40.00	26.92	235	242	Vertical
6	14606.25	24.15	-35.25	39.93	-66.43	-40.00	26.43	144	0	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 2A_n30A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4242	40.67	-45.67	31.19	-69.08	-40.00	29.08	217	29	Horizontal
2	6353.25	39.15	-44.47	34.52	-66.06	-40.00	26.06	189	148	Horizontal
3	7658.25	37.26	-43.04	36.50	-64.54	-40.00	24.54	274	326	Horizontal
4	9690	30.02	-39.46	38.34	-66.36	-40.00	26.36	156	162	Horizontal
5	12791.25	25.73	-36.82	39.61	-66.73	-40.00	26.73	213	3	Horizontal
6	15157.5	24.16	-34.36	39.01	-66.45	-40.00	26.45	244	88	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	4620.75	52.37	-45.66	31.77	-56.77	-40.00	16.77	174	272	Vertical
2	6602.25	39.50	-44.34	35.44	-64.65	-40.00	24.65	285	62	Vertical
3	8418	36.07	-41.48	37.37	-63.30	-40.00	23.30	296	1	Vertical
4	10283.25	28.96	-39.16	38.83	-66.63	-40.00	26.63	234	122	Vertical
5	12301.5	25.34	-37.41	39.10	-68.23	-40.00	28.23	174	151	Vertical
6	14557.5	23.94	-35.10	39.97	-66.45	-40.00	26.45	124	1	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 5A_n30A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4843.5	43.85	-45.54	32.44	-64.50	-40.00	24.50	139	32	Horizontal
2	7545.75	38.68	-43.04	36.42	-63.21	-40.00	23.21	287	4	Horizontal
3	10693.5	30.60	-37.92	39.13	-63.44	-40.00	23.44	146	4	Horizontal
4	12773.25	32.48	-36.79	39.58	-59.99	-40.00	19.99	241	287	Horizontal
5	15399.75	32.82	-33.49	38.71	-57.22	-40.00	17.22	285	32	Horizontal
6	16397.25	36.61	-34.49	37.72	-55.43	-40.00	15.43	165	10	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	4629.75	46.20	-45.65	31.80	-62.91	-40.00	22.91	195	183	Vertical
2	6024.75	41.14	-44.74	34.14	-64.72	-40.00	24.72	263	48	Vertical
3	8457	37.34	-41.55	37.45	-62.02	-40.00	22.02	274	18	Vertical
4	11797.5	30.68	-36.94	38.75	-62.77	-40.00	22.77	185	93	Vertical
5	14738.25	31.26	-34.89	39.75	-59.14	-40.00	19.14	142	183	Vertical
6	17003.25	34.50	-33.22	38.50	-55.48	-40.00	15.48	172	0	Vertical

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Test Band = NSA 5A_n30A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4027.5	41.38	-45.96	30.84	-69.00	-40.00	29.00	138	326	Horizontal
2	5719.5	40.39	-44.83	33.46	-66.24	-40.00	26.24	294	267	Horizontal
3	7641.75	36.89	-43.01	36.47	-64.91	-40.00	24.91	274	359	Horizontal
4	10249.5	28.85	-39.30	38.82	-66.88	-40.00	26.88	168	59	Horizontal
5	13833	26.19	-36.09	39.99	-65.17	-40.00	25.17	182	281	Horizontal
6	16498.5	26.19	-33.85	37.92	-65.00	-40.00	25.00	115	296	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	3957.75	41.45	-46.14	30.70	-69.25	-40.00	29.25	159	212	Vertical
2	6704.25	38.87	-43.83	35.65	-64.57	-40.00	24.57	263	123	Vertical
3	9138	31.63	-40.31	38.30	-65.65	-40.00	25.65	274	301	Vertical
4	10824	27.42	-38.42	39.20	-67.06	-40.00	27.06	141	93	Vertical
5	12917.25	25.16	-37.15	39.75	-67.50	-40.00	27.50	158	331	Vertical
6	15327	24.08	-34.17	38.80	-66.55	-40.00	26.55	140	287	Vertical

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Test Band = NSA 5A_n30A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4533.75	40.87	-45.70	31.64	-68.44	-40.00	28.44	192	283	Horizontal
2	6060.75	39.84	-44.60	34.15	-65.87	-40.00	25.87	263	208	Horizontal
3	9003	33.81	-40.98	38.20	-64.23	-40.00	24.23	284	88	Horizontal
4	11909.25	24.04	-37.15	38.87	-69.50	-40.00	29.50	172	359	Horizontal
5	13793.25	25.74	-36.38	39.97	-65.94	-40.00	25.94	145	328	Horizontal
6	14633.25	24.17	-35.08	39.89	-66.27	-40.00	26.27	160	120	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	4843.5	44.35	-45.54	32.44	-64.00	-40.00	24.00	219	301	Vertical
2	7403.25	37.31	-43.40	36.49	-64.86	-40.00	24.86	223	212	Vertical
3	8026.5	35.58	-42.09	37.02	-64.75	-40.00	24.75	284	356	Vertical
4	11317.5	27.28	-37.41	39.11	-66.28	-40.00	26.28	274	168	Vertical
5	14568.75	24.49	-35.15	39.96	-65.96	-40.00	25.96	142	10	Vertical
6	15800.25	23.85	-33.02	38.20	-66.23	-40.00	26.23	100	182	Vertical

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Test on the worst case:

Test Band = SA Band 30 10M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4611	49.25	-48.00	30.57	-63.44	-40.00	23.44	Horizontal
2	6916	50.91	-46.71	35.42	-55.64	-40.00	15.64	Horizontal
3	9221.5	46.04	-43.40	37.80	-54.82	-40.00	14.82	Horizontal
4	10760.5	39.18	-40.83	39.18	-57.73	-40.00	17.73	Horizontal
5	14690.5	35.19	-36.80	40.35	-56.52	-40.00	16.52	Horizontal
6	17833	32.39	-37.10	44.23	-55.74	-40.00	15.74	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4611	55.11	-48.00	30.57	-57.58	-40.00	17.58	Vertical
2	6916.5	60.51	-46.71	35.42	-46.04	-40.00	6.04	Vertical
3	9221.5	56.76	-43.40	37.80	-44.10	-40.00	4.10	Vertical
4	11527.95	36.44	-39.98	39.29	-59.50	-40.00	19.50	Vertical
5	13833.54	34.65	-38.91	40.52	-59.01	-40.00	19.01	Vertical
6	16139.13	32.70	-37.96	38.30	-62.22	-40.00	22.22	Vertical

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Test Band = SA Band 30 5M_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4622	45.32	-47.99	30.59	-67.34	-40.00	27.34	Horizontal
2	5923.5	44.70	-47.23	32.78	-65.01	-40.00	25.01	Horizontal
3	7247	43.34	-46.18	36.19	-61.91	-40.00	21.91	Horizontal
4	8730.5	41.27	-44.08	37.22	-60.85	-40.00	20.85	Horizontal
5	10780	38.53	-40.78	39.20	-58.31	-40.00	18.31	Horizontal
6	14734.5	36.04	-36.74	40.31	-55.65	-40.00	15.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4843.5	49.30	-48.02	31.12	-62.85	-40.00	22.85	Vertical
2	6926.5	50.02	-46.70	35.44	-56.50	-40.00	16.50	Vertical
3	9240	44.89	-43.28	37.82	-55.83	-40.00	15.83	Vertical
4	11385.5	38.69	-40.14	39.32	-57.38	-40.00	17.38	Vertical
5	14760.5	35.31	-36.78	40.29	-56.44	-40.00	16.44	Vertical
6	17914.5	33.56	-36.46	44.75	-53.41	-40.00	13.41	Vertical

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Test Band = SA Band 30 5M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4409.5	45.83	-48.10	30.14	-67.39	-40.00	27.39	Horizontal
2	6397.5	43.39	-46.94	34.15	-64.66	-40.00	24.66	Horizontal
3	8730	41.94	-44.08	37.22	-60.18	-40.00	20.18	Horizontal
4	10747.5	38.91	-40.87	39.17	-58.05	-40.00	18.05	Horizontal
5	13722.5	36.73	-38.20	40.26	-56.47	-40.00	16.47	Horizontal
6	17195.5	35.17	-37.43	40.15	-57.37	-40.00	17.37	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.68	44.28	-47.99	30.58	-68.40	-40.00	28.40	Vertical
2	6923.52	41.92	-46.70	35.43	-64.61	-40.00	24.61	Vertical
3	9231.36	40.81	-43.33	37.81	-59.97	-40.00	19.97	Vertical
4	11539.2	37.16	-39.95	39.29	-58.75	-40.00	18.75	Vertical
5	13847.04	35.45	-38.88	40.55	-58.14	-40.00	18.14	Vertical
6	16154.88	33.60	-37.91	38.31	-61.26	-40.00	21.26	Vertical

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Member of the SGS Group (SGS SA)

Test Band = SA Band 30 5M_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4620.68	43.81	-47.99	30.59	-68.85	-40.00	28.85	Horizontal
2	6931.02	42.36	-46.69	35.45	-64.14	-40.00	24.14	Horizontal
3	9241.32	40.29	-43.27	37.82	-60.42	-40.00	20.42	Horizontal
4	11551.7	36.28	-39.91	39.29	-59.60	-40.00	19.60	Horizontal
5	13862.04	35.51	-38.84	40.58	-58.00	-40.00	18.00	Horizontal
6	16172.38	33.80	-37.85	38.32	-60.99	-40.00	20.99	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4620.68	43.28	-47.99	30.59	-69.38	-40.00	29.38	Vertical
2	6931.02	41.97	-46.69	35.45	-64.53	-40.00	24.53	Vertical
3	9241.32	40.25	-43.27	37.82	-60.46	-40.00	20.46	Vertical
4	11551.7	36.19	-39.91	39.29	-59.69	-40.00	19.69	Vertical
5	13862.04	34.78	-38.84	40.58	-58.73	-40.00	18.73	Vertical
6	16172.38	33.85	-37.85	38.32	-60.94	-40.00	20.94	Vertical

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Test Band = NSA 2A-n30A 10M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3125	48.13	-48.39	28.55	-66.97	-40.00	26.97	Horizontal
2	4611	49.26	-48.00	30.57	-63.43	-40.00	23.43	Horizontal
3	6916	51.35	-46.71	35.42	-55.20	-40.00	15.20	Horizontal
4	9221.5	50.05	-43.40	37.80	-50.81	-40.00	10.81	Horizontal
5	10896.5	38.42	-40.03	39.31	-57.57	-40.00	17.57	Horizontal
6	13731.5	36.77	-38.30	40.28	-56.51	-40.00	16.51	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4611	56.06	-48.00	30.57	-56.63	-40.00	16.63	Vertical
2	6916	58.91	-46.71	35.42	-47.64	-40.00	7.64	Vertical
3	9256	42.10	-43.17	37.83	-58.50	-40.00	18.50	Vertical
4	16138	38.08	-37.97	38.30	-56.85	-40.00	16.85	Vertical
5	11527.95	36.21	-39.98	39.29	-59.73	-40.00	19.73	Vertical
6	13833.54	34.29	-38.91	40.52	-59.37	-40.00	19.37	Vertical

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Test Band = NSA 2A-n30A 5M_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3976	45.20	-48.21	29.37	-68.90	-40.00	28.90	Horizontal
2	5049.5	44.81	-47.92	31.62	-66.75	-40.00	26.75	Horizontal
3	6362.5	44.42	-47.08	34.03	-63.88	-40.00	23.88	Horizontal
4	7795	42.64	-44.93	36.45	-61.10	-40.00	21.10	Horizontal
5	10855	38.67	-40.33	39.27	-57.65	-40.00	17.65	Horizontal
6	14897	36.12	-37.35	40.18	-56.31	-40.00	16.31	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3906	45.65	-48.28	29.27	-68.63	-40.00	28.63	Vertical
2	5290	44.83	-47.79	32.20	-66.03	-40.00	26.03	Vertical
3	7080	43.25	-45.98	35.79	-62.20	-40.00	22.20	Vertical
4	7656	43.96	-44.93	36.61	-59.62	-40.00	19.62	Vertical
5	10537	38.92	-40.87	38.98	-58.23	-40.00	18.23	Vertical
6	14109.5	36.95	-38.44	40.81	-55.94	-40.00	15.94	Vertical

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Test Band = NSA 2A-n30A 5M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3975	45.13	-48.21	29.37	-68.97	-40.00	28.97	Horizontal
2	5563	44.33	-47.67	32.71	-65.88	-40.00	25.88	Horizontal
3	7244	44.12	-46.18	36.19	-61.14	-40.00	21.14	Horizontal
4	8861.5	41.67	-44.01	37.41	-60.20	-40.00	20.20	Horizontal
5	11387.5	38.96	-40.13	39.32	-57.11	-40.00	17.11	Horizontal
6	14702.5	36.89	-36.68	40.34	-54.72	-40.00	14.72	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3913	45.74	-48.28	29.28	-68.52	-40.00	28.52	Vertical
2	4843.5	50.55	-48.02	31.12	-61.60	-40.00	21.60	Vertical
3	6927.5	51.16	-46.69	35.44	-55.35	-40.00	15.35	Vertical
4	9240	47.18	-43.28	37.82	-53.54	-40.00	13.54	Vertical
5	11249.5	38.84	-40.40	39.35	-57.47	-40.00	17.47	Vertical
6	14838.5	37.31	-37.05	40.23	-54.77	-40.00	14.77	Vertical

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Test Band = NSA 2A-n30A 5M_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4222	45.32	-48.23	29.80	-68.37	-40.00	28.37	Horizontal
2	5282	44.88	-47.80	32.18	-66.00	-40.00	26.00	Horizontal
3	7258.5	44.02	-46.18	36.22	-61.20	-40.00	21.20	Horizontal
4	9240	42.25	-43.28	37.82	-58.47	-40.00	18.47	Horizontal
5	11498.5	38.48	-40.06	39.30	-57.54	-40.00	17.54	Horizontal
6	14696.5	36.51	-36.72	40.34	-55.13	-40.00	15.13	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4063	45.51	-48.10	29.51	-68.34	-40.00	28.34	Vertical
2	4843.5	51.99	-48.02	31.12	-60.16	-40.00	20.16	Vertical
3	6026	45.13	-47.47	32.89	-64.71	-40.00	24.71	Vertical
4	7656	44.26	-44.93	36.61	-59.32	-40.00	19.32	Vertical
5	9315.5	41.73	-42.91	37.88	-58.55	-40.00	18.55	Vertical
6	14735.5	36.22	-36.74	40.31	-55.47	-40.00	15.47	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
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	2.300000	0.000996	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.500000	0.001082	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	0.800000	0.000346	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VH	NT	0.000000	0.000000	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VL	NT	-0.300000	-0.000130	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VN	NT	1.500000	0.000649	PASS

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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	0.800000	0.000346	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	0.700000	0.000303	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.700000	0.000303	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	3.300000	0.001429	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	0.100000	0.000043	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	1.300000	0.000563	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	2.000000	0.000866	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	1.500000	0.000649	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	0.000000	0.000000	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-30	-3.600000	-0.001558	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-20	-0.800000	-0.000346	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-10	-4.200000	-0.001818	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	0	-1.000000	-0.000433	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	10	-3.400000	-0.001472	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	20	-4.900000	-0.002121	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	30	1.100000	0.000476	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	40	1.000000	0.000433	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	50	-1.400000	-0.000606	PASS

---End of Attachment---

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