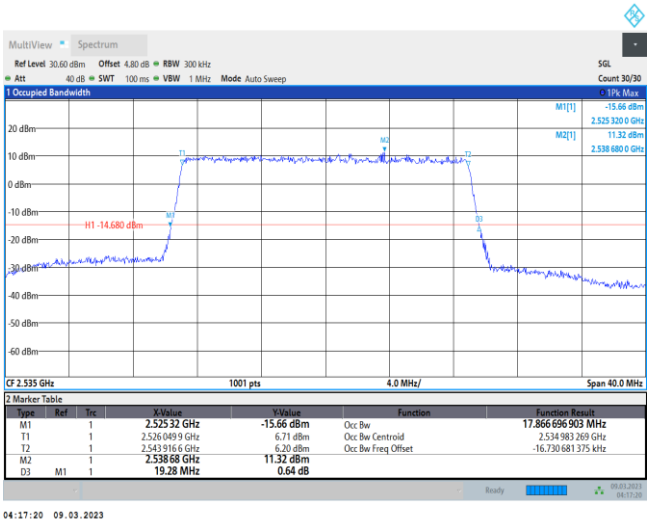
Band7-20MHz-256QAM-21100-100RB#0



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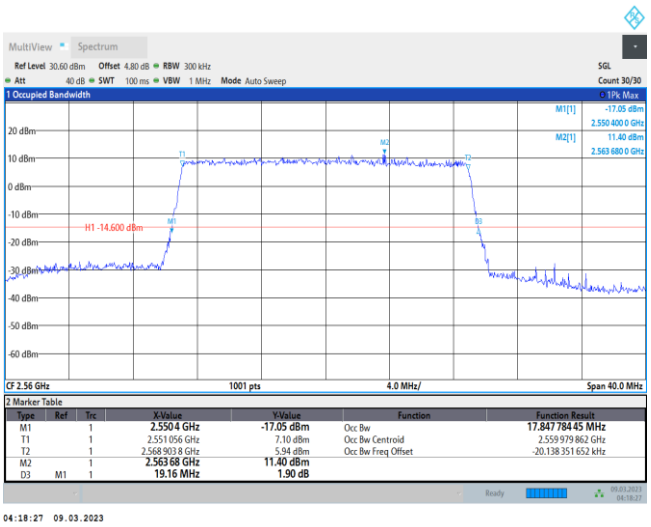

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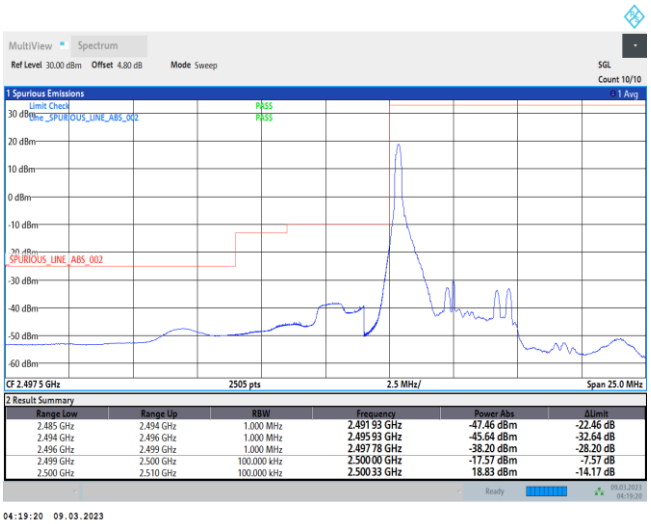
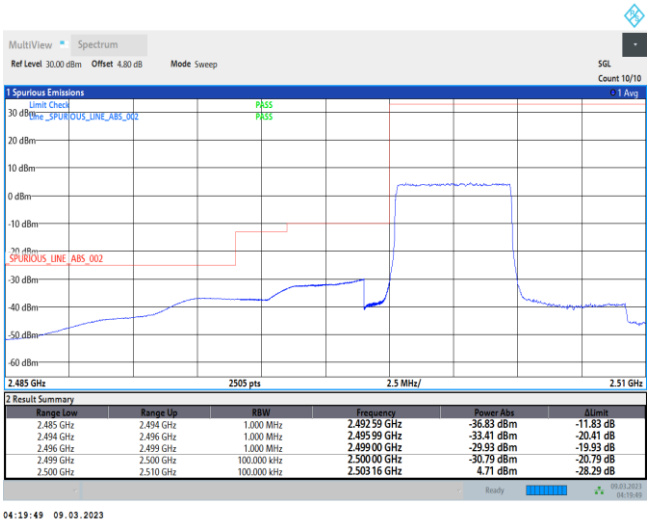
Band Edge

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



Band7-5MHz-QPSK-20775-25RB#0



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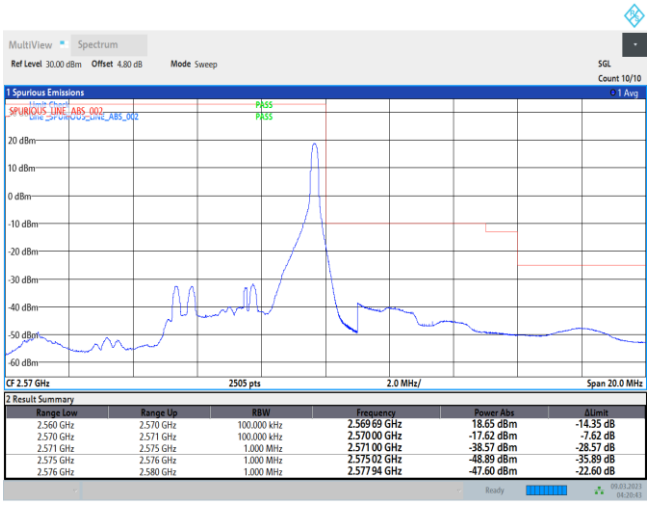
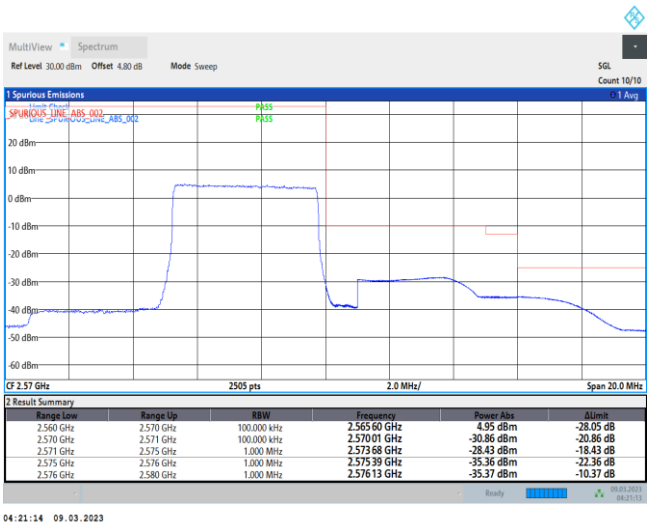
Band7-5MHz-QPSK-21425-1RB#24



Band7-5MHz-QPSK-21425-25RB#0



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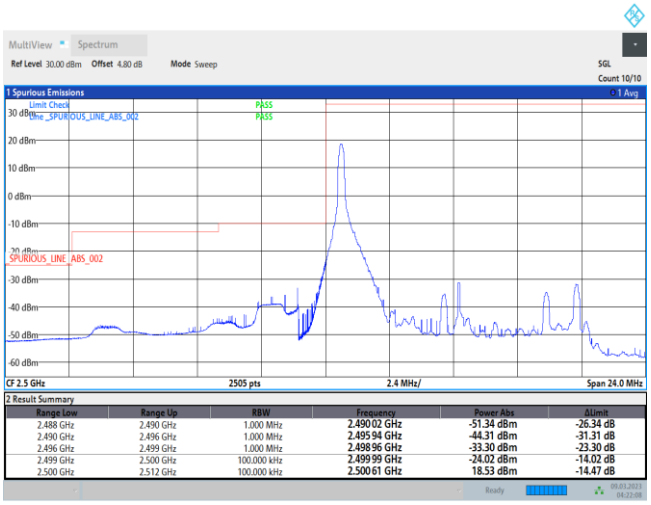
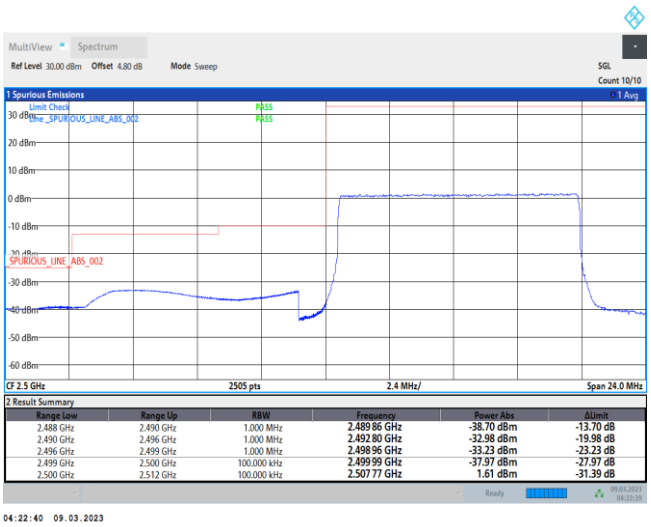
Band7-10MHz-QPSK-20800-1RB#0



Band7-10MHz-QPSK-20800-50RB#0



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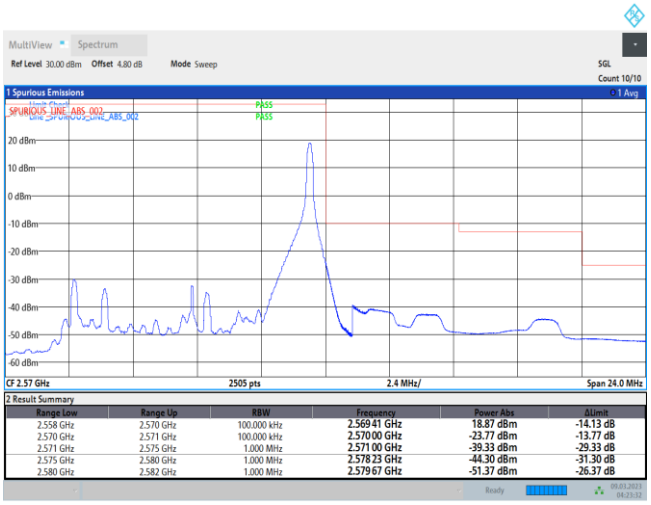
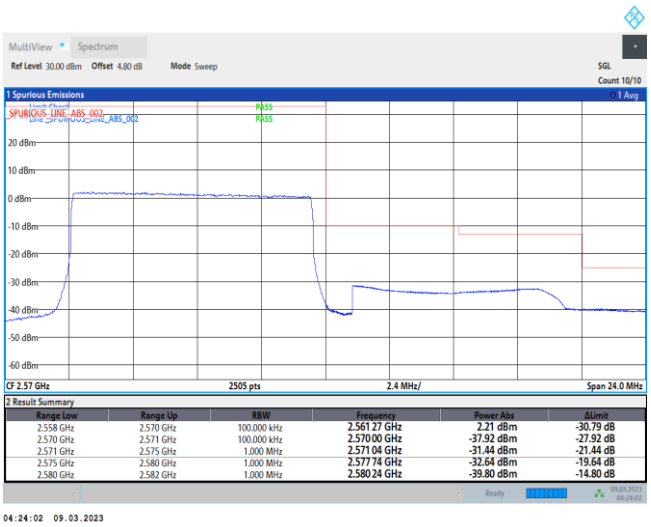
Band7-10MHz-QPSK-21400-1RB#49



Band7-10MHz-QPSK-21400-50RB#0



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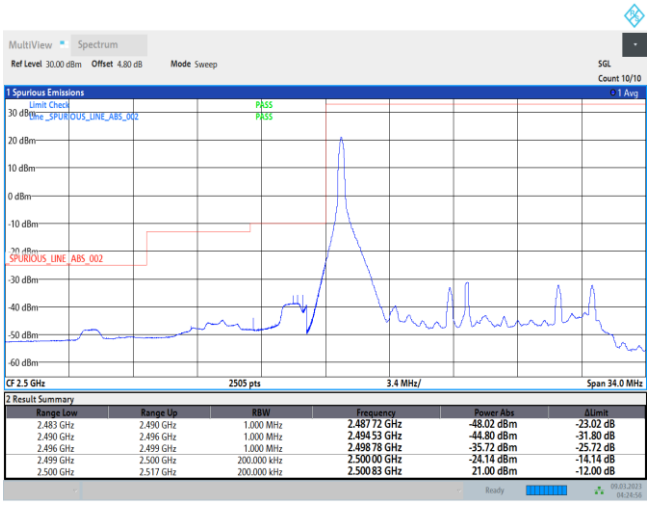
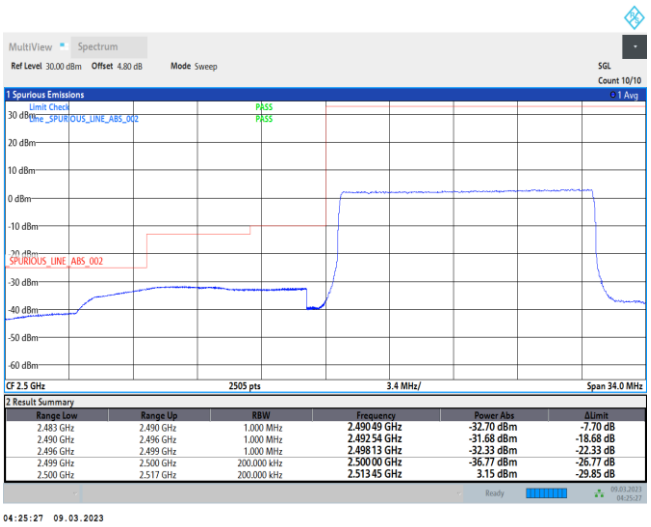
Band7-15MHz-QPSK-20825-1RB#0



Band7-15MHz-QPSK-20825-75RB#0



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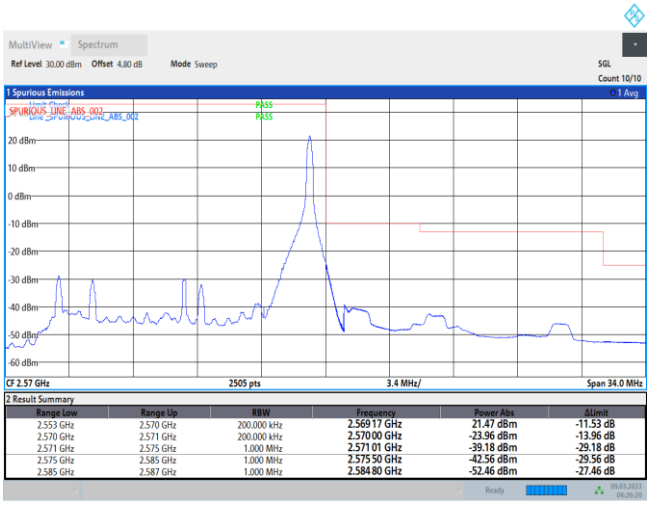
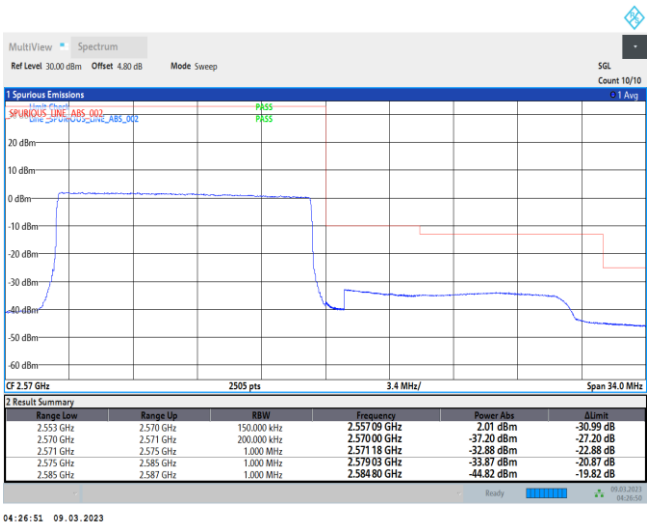
Band7-15MHz-QPSK-21375-1RB#74



Band7-15MHz-QPSK-21375-75RB#0



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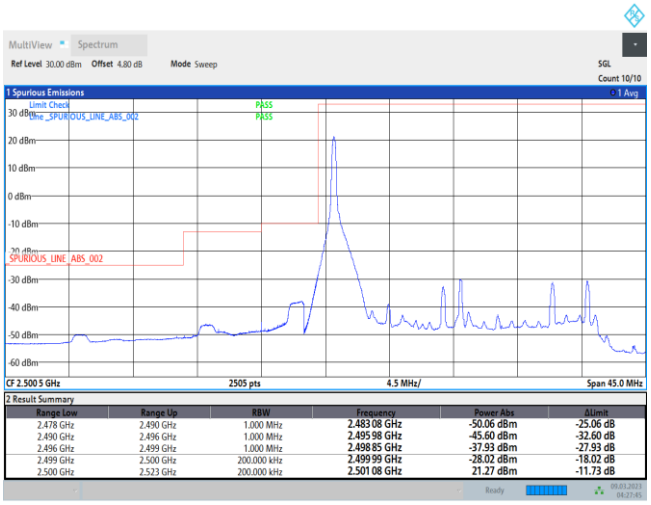
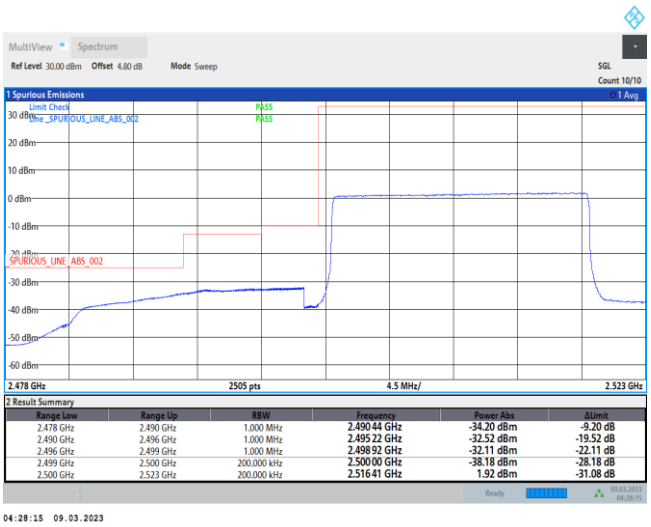
Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-100RB#0



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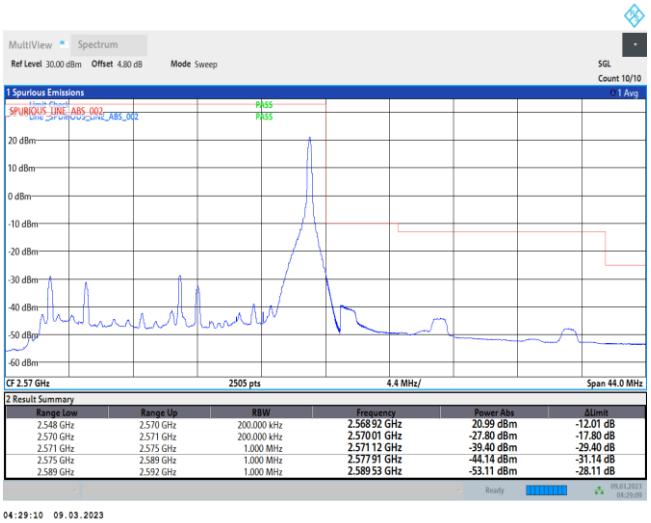
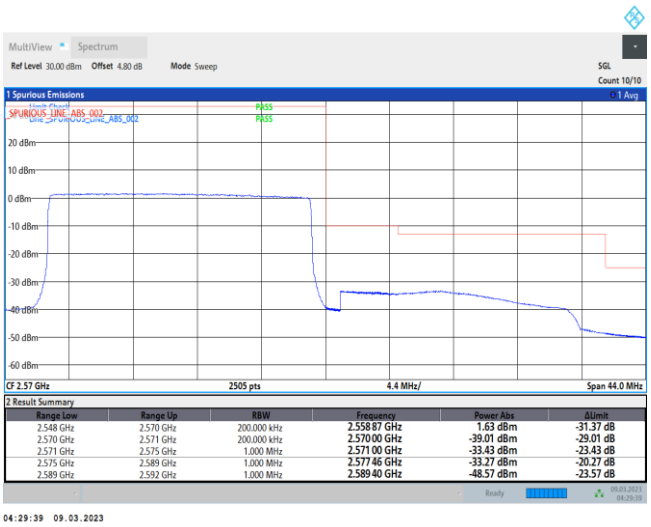
Band7-20MHz-QPSK-21350-1RB#99



Band7-20MHz-QPSK-21350-100RB#0



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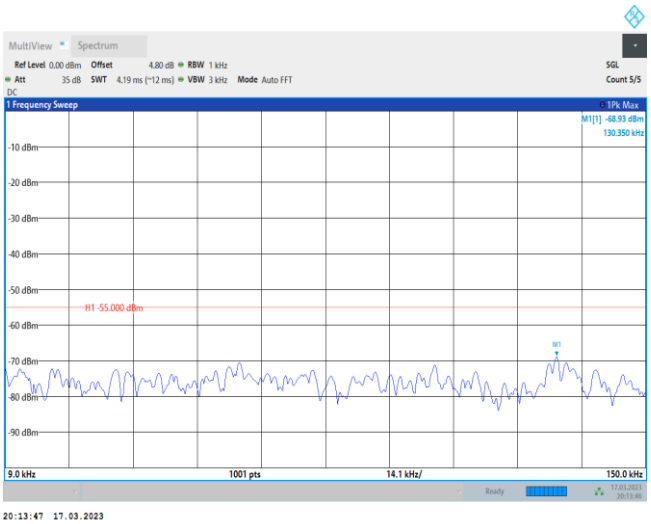
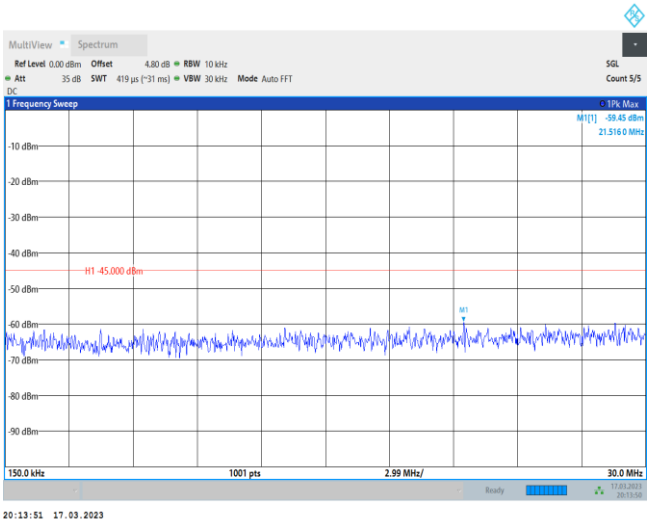
Conducted Spurious Emission

Test Graphs

Band7-20MHz-QPSK-20850-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-20850-1RB#0-Range2:0.15~30MHz



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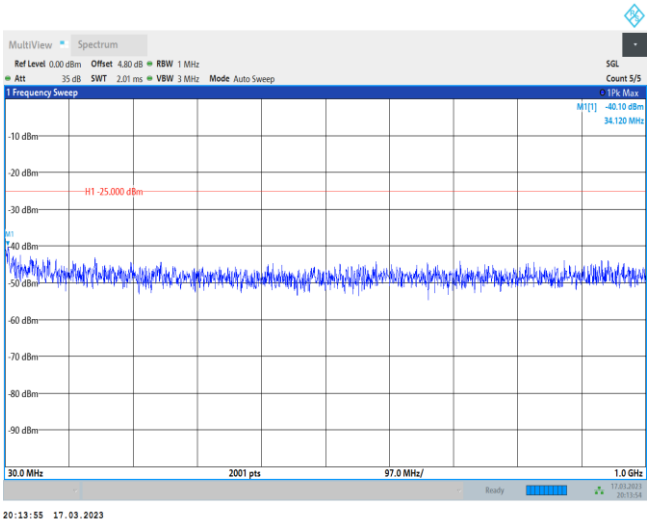
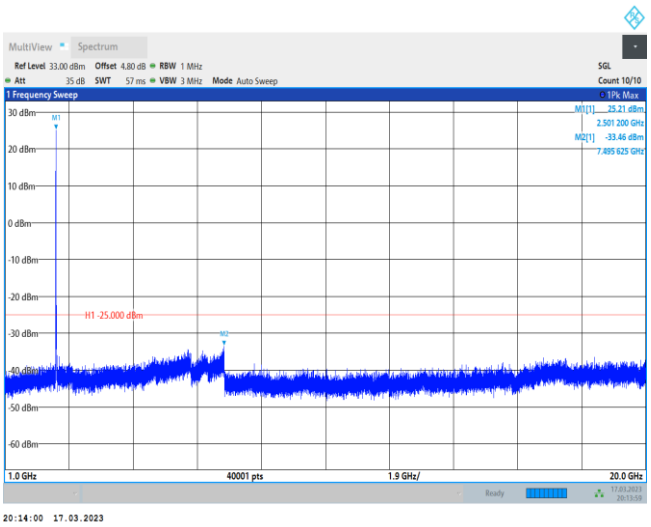
Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



Band7-20MHz-QPSK-20850-1RB#0-Range4:1000~20000MHz



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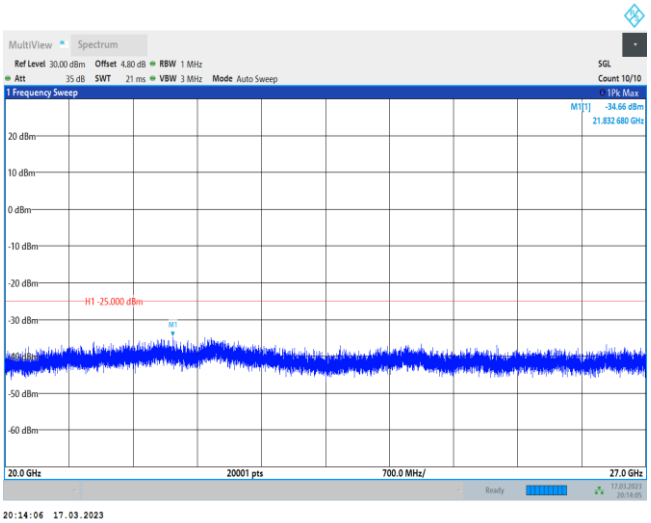
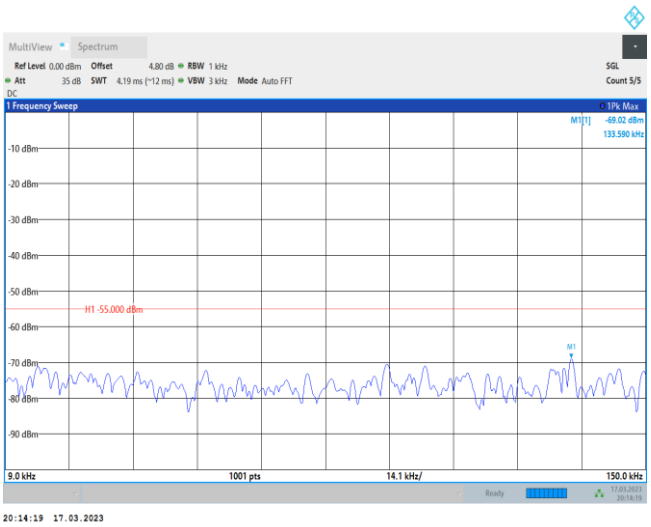
Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



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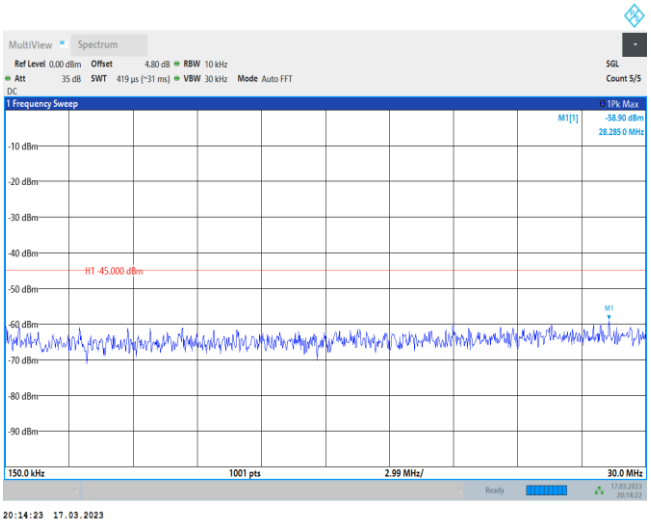
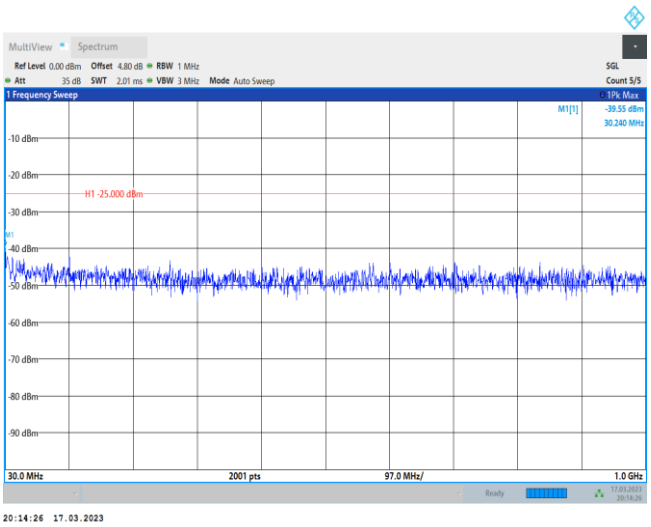
Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



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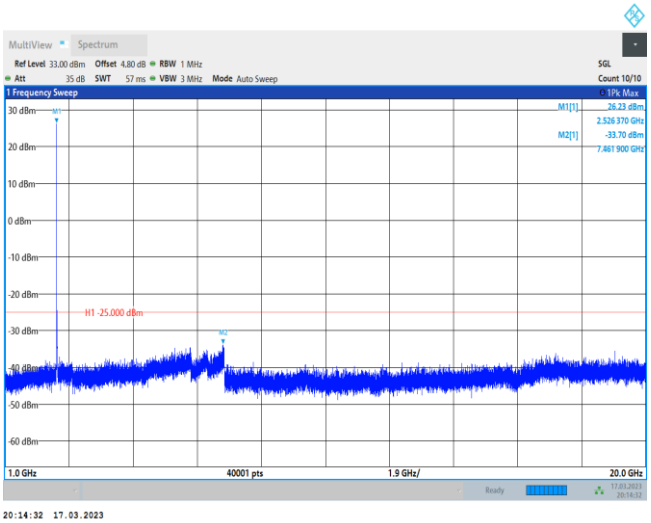
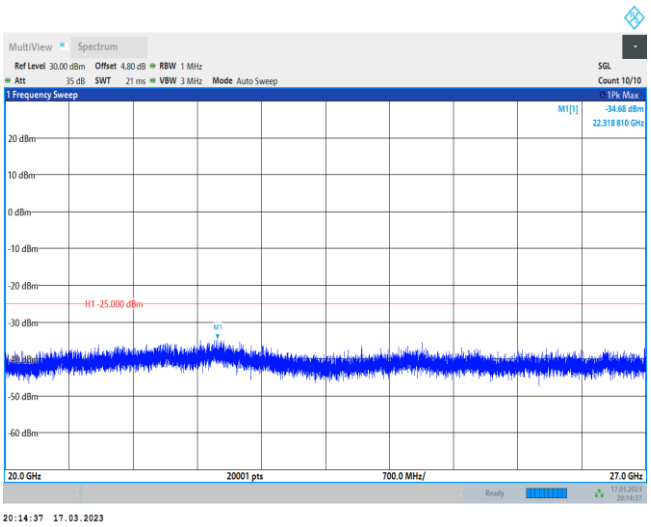
Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range5:20000~27000MHz



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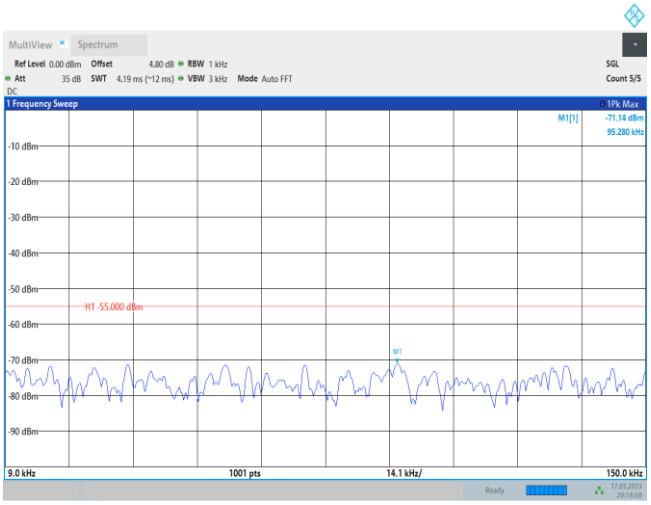
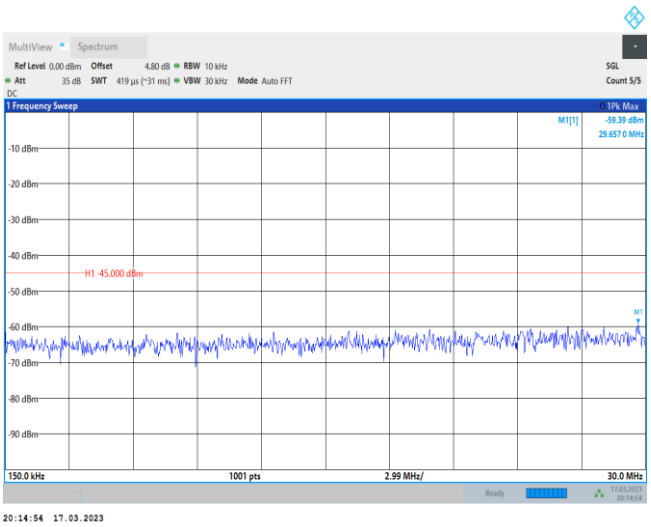
Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz



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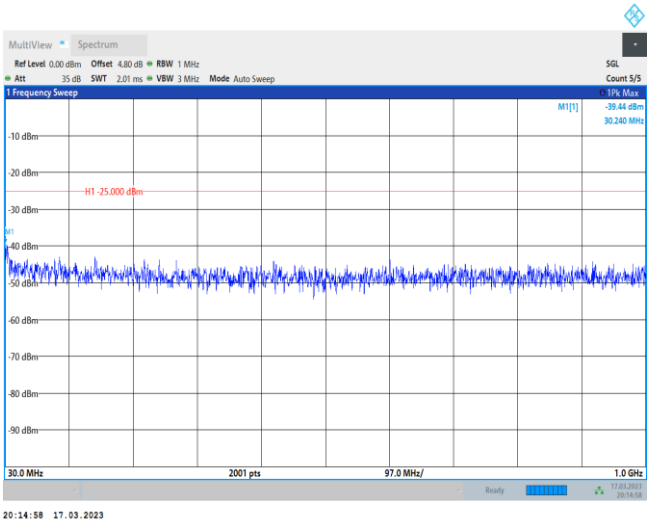
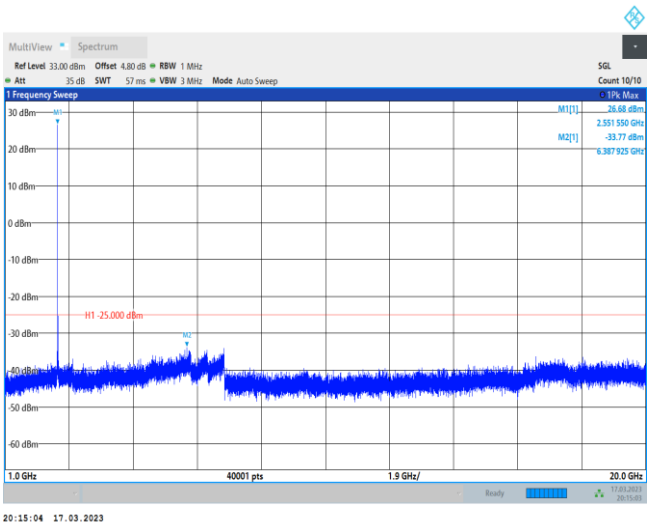
Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



Band7-20MHz-QPSK-21350-1RB#0-Range4:1000~20000MHz



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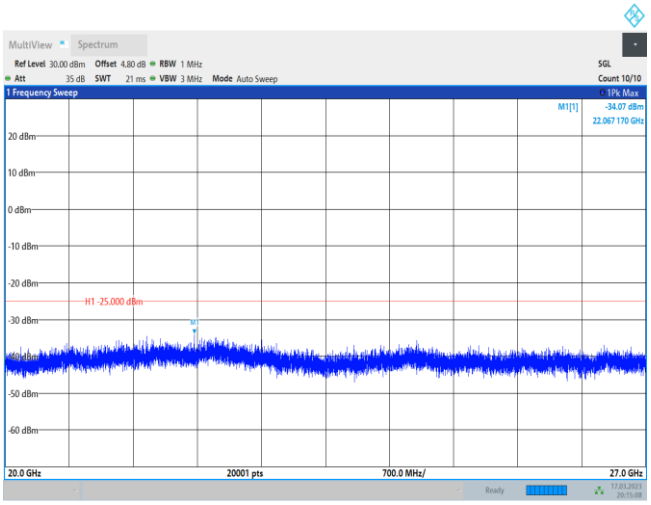
Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band7_20MHz _ 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	5002.1800	53.63	-45.63	32.88	-54.38	-25.00	29.38	157	211	Horizontal
2	7503	64.09	-43.13	36.44	-37.87	-25.00	12.87	300	286	Horizontal
3	10004.3600	41.69	-39.23	38.50	-54.31	-25.00	29.31	263	60	Horizontal
4	12505.4500	34.36	-36.99	39.18	-58.71	-25.00	33.71	135	286	Horizontal
5	15006.5400	32.85	-34.65	39.21	-57.85	-25.00	32.85	209	74	Horizontal
6	17507.6300	33.11	-34.95	39.22	-57.88	-25.00	32.88	274	286	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	5002.1800	56.34	-45.63	32.88	-51.67	-25.00	26.67	298	183	Vertical
2	7503	68.17	-43.13	36.44	-33.79	-25.00	8.79	175	197	Vertical
3	10004.25	51.02	-39.23	38.50	-44.98	-25.00	19.98	226	179	Vertical
4	12505.4500	34.16	-36.99	39.18	-58.91	-25.00	33.91	138	226	Vertical
5	15006.5400	33.43	-34.65	39.21	-57.27	-25.00	32.27	294	166	Vertical
6	17507.6300	33.30	-34.95	39.22	-57.69	-25.00	32.69	308	16	Vertical

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Test Band = LTE Band7_20MHz _ 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	5052	52.53	-45.50	32.91	-55.32	-25.00	30.32	215	210	Horizontal
2	7578	62.03	-42.98	36.40	-39.81	-25.00	14.81	153	75	Horizontal
3	10104.3600	42.06	-39.14	38.66	-53.68	-25.00	28.68	187	44	Horizontal
4	12630.4500	32.27	-37.33	39.33	-60.99	-25.00	35.99	146	301	Horizontal
5	15156.5400	32.31	-34.37	39.01	-58.31	-25.00	33.31	135	90	Horizontal
6	17682.6300	33.85	-33.89	40.06	-55.24	-25.00	30.24	162	152	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	5052.1800	54.91	-45.50	32.91	-52.94	-25.00	27.94	287	195	Vertical
2	7578.2700	62.61	-42.97	36.40	-39.22	-25.00	14.22	169	209	Vertical
3	10104.3600	45.66	-39.14	38.66	-50.08	-25.00	25.08	305	195	Vertical
4	12630.4500	33.23	-37.33	39.33	-60.03	-25.00	35.03	148	356	Vertical
5	15156.5400	34.00	-34.37	39.01	-56.62	-25.00	31.62	216	0	Vertical
6	17682.6300	33.72	-33.89	40.06	-55.37	-25.00	30.37	209	8	Vertical

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Test Band = LTE Band7_20MHz _ 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	5102.1800	52.08	-45.37	32.94	-55.61	-25.00	30.61	228	121	Horizontal
2	7653	60.53	-43.03	36.49	-41.27	-25.00	16.27	306	76	Horizontal
3	10204.3600	42.14	-39.48	38.81	-53.79	-25.00	28.79	156	332	Horizontal
4	12755.4500	32.85	-36.76	39.55	-59.62	-25.00	34.62	212	61	Horizontal
5	15306.5400	33.12	-34.36	38.82	-57.68	-25.00	32.68	280	61	Horizontal
6	17857.6300	33.77	-34.56	41.24	-54.81	-25.00	29.81	193	91	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	5102.1800	58.63	-45.37	32.94	-49.06	-25.00	24.06	158	181	Vertical
2	7653.2700	61.22	-43.03	36.49	-40.58	-25.00	15.58	269	182	Vertical
3	10204.3600	46.36	-39.48	38.81	-49.57	-25.00	24.57	335	195	Vertical
4	12755.4500	32.37	-36.76	39.55	-60.10	-25.00	35.10	248	18	Vertical
5	15306.5400	35.86	-34.36	38.82	-54.94	-25.00	29.94	276	0	Vertical
6	17857.6300	33.83	-34.56	41.24	-54.75	-25.00	29.75	151	356	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 7A_12A_ 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	1406	32.40	-25.24	25.61	-62.48	-25.00	37.48	281	60	Horizontal
2	2098.7700	29.28	-24.20	26.99	-63.19	-25.00	38.19	146	236	Horizontal
3	2798.3600	29.32	-22.56	28.48	-60.03	-25.00	35.03	227	167	Horizontal
4	5002.1800	54.54	-45.63	32.88	-53.47	-25.00	28.47	135	135	Horizontal
5	7503	65.38	-43.13	36.44	-36.58	-25.00	11.58	211	90	Horizontal
6	10004.25	44.67	-39.23	38.50	-51.33	-25.00	26.33	197	118	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	1406	32.35	-25.24	25.61	-62.53	-25.00	37.53	288	314	Vertical
2	2098.7700	29.30	-24.20	26.99	-63.17	-25.00	38.17	174	360	Vertical
3	2798.3600	29.83	-22.56	28.48	-59.52	-25.00	34.52	216	360	Vertical
4	5002.1800	57.71	-45.63	32.88	-50.30	-25.00	25.30	225	181	Vertical
5	7503	68.76	-43.13	36.44	-33.20	-25.00	8.20	162	1	Vertical
6	10004.25	52.96	-39.23	38.50	-43.04	-25.00	18.04	208	195	Vertical

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Test Band = LTE 7A_12A_ 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	1406.1800	31.19	-25.24	25.61	-63.69	-25.00	38.69	174	68	Horizontal
2	2109.2700	29.14	-24.19	27.02	-63.29	-25.00	38.29	285	159	Horizontal
3	2812.3600	29.28	-22.61	28.54	-60.06	-25.00	35.06	164	68	Horizontal
4	5052	56.59	-45.50	32.91	-51.26	-25.00	26.26	251	135	Horizontal
5	7578	64.15	-42.98	36.40	-37.69	-25.00	12.69	230	286	Horizontal
6	10104.3600	42.24	-39.14	38.66	-53.50	-25.00	28.50	165	121	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	1406.1800	31.25	-25.24	25.61	-63.63	-25.00	38.63	227	348	Vertical
2	2109.2700	29.46	-24.19	27.02	-62.97	-25.00	37.97	145	360	Vertical
3	2812.3600	29.49	-22.61	28.54	-59.85	-25.00	34.85	297	356	Vertical
4	5052	58.60	-45.50	32.91	-49.25	-25.00	24.25	142	179	Vertical
5	7578.2700	65.37	-42.97	36.40	-36.46	-25.00	11.46	216	3	Vertical
6	10104.3600	45.54	-39.14	38.66	-50.20	-25.00	25.20	223	196	Vertical

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Test Band = LTE 7A_12A_ 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	1413.1800	28.91	-25.23	25.60	-65.98	-25.00	40.98	305	69	Horizontal
2	2119.7700	28.99	-24.18	27.06	-63.39	-25.00	38.39	227	49	Horizontal
3	2826.3600	29.10	-22.67	28.60	-60.23	-25.00	35.23	146	29	Horizontal
4	5102.1800	55.76	-45.37	32.94	-51.93	-25.00	26.93	247	286	Horizontal
5	7653	62.66	-43.03	36.49	-39.14	-25.00	14.14	304	286	Horizontal
6	10204.3600	43.18	-39.48	38.81	-52.75	-25.00	27.75	216	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	1413.1800	28.86	-25.23	25.60	-66.03	-25.00	41.03	267	20	Vertical
2	2119.7700	28.99	-24.18	27.06	-63.39	-25.00	38.39	144	276	Vertical
3	2826.3600	29.12	-22.67	28.60	-60.21	-25.00	35.21	199	4	Vertical
4	5102.1800	58.69	-45.37	32.94	-49.00	-25.00	24.00	287	0	Vertical
5	7653.2700	63.59	-43.03	36.49	-38.21	-25.00	13.21	162	12	Vertical
6	10204.3600	48.29	-39.48	38.81	-47.64	-25.00	22.64	302	193	Vertical

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Test Band = LTE 7A_13A_ 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	1554.6800	28.38	-25.03	25.41	-66.50	-25.00	41.50	152	234	Horizontal
2	2332.0200	29.08	-23.58	27.41	-62.35	-25.00	37.35	233	19	Horizontal
3	3125.25	50.48	-46.14	29.56	-61.36	-25.00	36.36	194	152	Horizontal
4	5002.1800	54.45	-45.63	32.88	-53.56	-25.00	28.56	214	152	Horizontal
5	7503	65.55	-43.13	36.44	-36.41	-25.00	11.41	155	287	Horizontal
6	10004.25	47.05	-39.23	38.50	-48.95	-25.00	23.95	168	226	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	1554.6800	28.41	-25.03	25.41	-66.47	-25.00	41.47	317	360	Vertical
2	2332.0200	28.97	-23.58	27.41	-62.46	-25.00	37.46	245	10	Vertical
3	3124.5	47.26	-46.15	29.56	-64.59	-25.00	39.59	158	136	Vertical
4	5002.1800	57.08	-45.63	32.88	-50.93	-25.00	25.93	268	195	Vertical
5	7503	68.06	-43.13	36.44	-33.90	-25.00	8.90	274	195	Vertical
6	10004.25	53.40	-39.23	38.50	-42.60	-25.00	17.60	271	195	Vertical

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Test Band = LTE 7A_13A_ 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	1559.6800	28.70	-25.02	25.40	-66.18	-25.00	41.18	156	342	Horizontal
2	2339.5200	29.14	-23.58	27.41	-62.29	-25.00	37.29	298	67	Horizontal
3	3125.25	50.47	-46.14	29.56	-61.37	-25.00	36.37	204	136	Horizontal
4	5052	56.20	-45.50	32.91	-51.65	-25.00	26.65	126	136	Horizontal
5	7578	63.48	-42.98	36.40	-38.36	-25.00	13.36	248	300	Horizontal
6	10104.3600	42.61	-39.14	38.66	-53.13	-25.00	28.13	165	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	1559.6800	28.87	-25.02	25.40	-66.01	-25.00	41.01	281	360	Vertical
2	2339.5200	28.99	-23.58	27.41	-62.44	-25.00	37.44	166	237	Vertical
3	3124.5	47.07	-46.15	29.56	-64.78	-25.00	39.78	259	136	Vertical
4	5052	58.23	-45.50	32.91	-49.62	-25.00	24.62	142	347	Vertical
5	7578.2700	66.09	-42.97	36.40	-35.74	-25.00	10.74	153	197	Vertical
6	10104.3600	45.64	-39.14	38.66	-50.10	-25.00	25.10	271	197	Vertical

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Test Band = LTE 7A_13A_ 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	1564.6800	28.56	-25.01	25.40	-66.31	-25.00	41.31	272	188	Horizontal
2	2347.0200	29.14	-23.58	27.41	-62.28	-25.00	37.28	168	72	Horizontal
3	3129.3600	43.58	-46.12	29.56	-68.23	-25.00	43.23	195	240	Horizontal
4	5102.1800	55.60	-45.37	32.94	-52.09	-25.00	27.09	210	138	Horizontal
5	7653.2700	60.85	-43.03	36.49	-40.95	-25.00	15.95	163	78	Horizontal
6	10204.3600	42.30	-39.48	38.81	-53.63	-25.00	28.63	178	123	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	1564.6800	28.57	-25.01	25.40	-66.30	-25.00	41.30	246	3	Vertical
2	2347.0200	29.30	-23.58	27.41	-62.12	-25.00	37.12	277	359	Vertical
3	3129.3600	43.99	-46.12	29.56	-67.82	-25.00	42.82	148	181	Vertical
4	5102.1800	58.31	-45.37	32.94	-49.38	-25.00	24.38	161	357	Vertical
5	7653	65.13	-43.03	36.49	-36.67	-25.00	11.67	312	12	Vertical
6	10204.3600	50.84	-39.48	38.81	-45.09	-25.00	20.09	192	202	Vertical

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Test Band = LTE 7A_25A_ 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	5002.1800	55.36	-45.63	32.88	-52.65	-25.00	27.65	248	225	Horizontal
2	7503.2700	65.58	-43.13	36.44	-36.37	-25.00	11.37	177	286	Horizontal
3	9255.4500	37.37	-40.23	38.38	-59.74	-25.00	34.74	126	0	Horizontal
4	10004.25	47.50	-39.23	38.50	-48.50	-25.00	23.50	235	225	Horizontal
5	11106.5400	34.11	-37.93	39.09	-59.99	-25.00	34.99	214	166	Horizontal
6	12957.6300	33.34	-37.24	39.79	-59.37	-25.00	34.37	188	226	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	5002.1800	56.81	-45.63	32.88	-51.20	-25.00	26.20	174	181	Vertical
2	7503	68.45	-43.13	36.44	-33.51	-25.00	8.51	185	195	Vertical
3	9255.4500	37.44	-40.23	38.38	-59.67	-25.00	34.67	169	91	Vertical
4	10004.25	52.84	-39.23	38.50	-43.16	-25.00	18.16	255	195	Vertical
5	11106.5400	34.43	-37.93	39.09	-59.67	-25.00	34.67	168	346	Vertical
6	12957.6300	33.04	-37.24	39.79	-59.67	-25.00	34.67	218	191	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 7A_25A_ 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	5052	56.75	-45.50	32.91	-51.10	-25.00	26.10	274	135	Horizontal
2	7578	64.33	-42.98	36.40	-37.51	-25.00	12.51	149	76	Horizontal
3	9355.4500	36.98	-40.00	38.46	-59.83	-25.00	34.83	285	150	Horizontal
4	10104.3600	41.20	-39.14	38.66	-54.54	-25.00	29.54	163	121	Horizontal
5	11226.5400	34.72	-37.40	39.11	-58.83	-25.00	33.83	234	239	Horizontal
6	13097.6300	32.90	-37.01	39.87	-59.49	-25.00	34.49	127	59	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	5052	58.49	-45.50	32.91	-49.36	-25.00	24.36	269	0	Vertical
2	7578	67.31	-42.98	36.40	-34.53	-25.00	9.53	317	0	Vertical
3	9355.4500	36.87	-40.00	38.46	-59.94	-25.00	34.94	145	3	Vertical
4	10104.3600	48.57	-39.14	38.66	-47.17	-25.00	22.17	216	196	Vertical
5	11226.5400	34.75	-37.40	39.11	-58.80	-25.00	33.80	245	30	Vertical
6	13097.6300	32.61	-37.01	39.87	-59.78	-25.00	34.78	149	1	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 7A_25A_ 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	5102.1800	55.28	-45.37	32.94	-52.41	-25.00	27.41	149	136	Horizontal
2	7653	61.68	-43.03	36.49	-40.12	-25.00	15.12	258	90	Horizontal
3	9480.4500	36.46	-40.15	38.47	-60.48	-25.00	35.48	176	30	Horizontal
4	10204.3600	41.86	-39.48	38.81	-54.07	-25.00	29.07	221	121	Horizontal
5	11376.5400	34.03	-37.38	39.11	-59.50	-25.00	34.50	130	0	Horizontal
6	13272.6300	31.72	-36.97	40.00	-60.50	-25.00	35.50	205	225	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	5102.1800	57.66	-45.37	32.94	-50.03	-25.00	25.03	324	184	Vertical
2	7653	66.74	-43.03	36.49	-35.06	-25.00	10.06	146	19	Vertical
3	9480.4500	36.42	-40.15	38.47	-60.52	-25.00	35.52	306	93	Vertical
4	10204.3600	48.54	-39.48	38.81	-47.39	-25.00	22.39	174	184	Vertical
5	11376.5400	33.54	-37.38	39.11	-59.99	-25.00	34.99	186	0	Vertical
6	13272.6300	31.57	-36.97	40.00	-60.65	-25.00	35.65	227	274	Vertical

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Test Band = LTE 7A_26A_ 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	1649.6800	28.44	-24.82	25.37	-66.27	-25.00	41.27	248	302	Horizontal
2	2474.5200	30.03	-23.55	27.69	-61.09	-25.00	36.09	195	19	Horizontal
3	3299.3600	44.15	-46.46	29.56	-68.02	-25.00	43.02	117	270	Horizontal
4	5002.1800	54.33	-45.63	32.88	-53.68	-25.00	28.68	162	135	Horizontal
5	7503	66.69	-43.13	36.44	-35.27	-25.00	10.27	284	285	Horizontal
6	10004.25	45.72	-39.23	38.50	-50.28	-25.00	25.28	163	344	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	1649.6800	28.81	-24.82	25.37	-65.90	-25.00	40.90	279	360	Vertical
2	2474.5200	30.58	-23.55	27.69	-60.54	-25.00	35.54	282	312	Vertical
3	3299.3600	43.29	-46.46	29.56	-68.88	-25.00	43.88	165	90	Vertical
4	5002.1800	57.05	-45.63	32.88	-50.96	-25.00	25.96	244	0	Vertical
5	7503.2700	66.72	-43.13	36.44	-35.23	-25.00	10.23	156	2	Vertical
6	10004.25	52.30	-39.23	38.50	-43.70	-25.00	18.70	283	195	Vertical

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Test Band = LTE 7A_26A_ 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	1659.6800	28.36	-24.79	25.37	-66.32	-25.00	41.32	142	231	Horizontal
2	2489.5200	32.77	-23.54	27.74	-58.30	-25.00	33.30	263	79	Horizontal
3	3319.3600	44.19	-46.42	29.53	-67.96	-25.00	42.96	299	287	Horizontal
4	5052	56.25	-45.50	32.91	-51.60	-25.00	26.60	187	148	Horizontal
5	7578	64.34	-42.98	36.40	-37.50	-25.00	12.50	152	76	Horizontal
6	10104	42.98	-39.14	38.66	-52.76	-25.00	27.76	300	344	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	1659.6800	28.85	-24.79	25.37	-65.83	-25.00	40.83	285	9	Vertical
2	2489.5200	32.89	-23.54	27.74	-58.18	-25.00	33.18	309	360	Vertical
3	3319.3600	42.58	-46.42	29.53	-69.57	-25.00	44.57	257	256	Vertical
4	5052	58.37	-45.50	32.91	-49.48	-25.00	24.48	152	356	Vertical
5	7578	67.15	-42.98	36.40	-34.69	-25.00	9.69	136	8	Vertical
6	10104	48.14	-39.14	38.66	-47.60	-25.00	22.60	259	195	Vertical

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Test Band = LTE 7A_26A_ 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	1669.6800	28.52	-24.77	25.38	-66.14	-25.00	41.14	258	69	Horizontal
2	2504.5200	29.91	-23.51	27.79	-61.07	-25.00	36.07	196	67	Horizontal
3	3339.3600	42.33	-46.39	29.51	-69.81	-25.00	44.81	203	152	Horizontal
4	5102.1800	55.26	-45.37	32.94	-52.43	-25.00	27.43	156	135	Horizontal
5	7653.2700	59.97	-43.03	36.49	-41.83	-25.00	16.83	247	76	Horizontal
6	10204.3600	43.01	-39.48	38.81	-52.92	-25.00	27.92	188	346	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	1669.6800	28.74	-24.77	25.38	-65.92	-25.00	40.92	284	4	Vertical
2	2504.5200	29.71	-23.51	27.79	-61.27	-25.00	36.27	176	360	Vertical
3	3339.3600	42.72	-46.39	29.51	-69.42	-25.00	44.42	219	357	Vertical
4	5102.1800	57.45	-45.37	32.94	-50.24	-25.00	25.24	235	1	Vertical
5	7653.2700	64.98	-43.03	36.49	-36.82	-25.00	11.82	216	16	Vertical
6	10204.3600	48.52	-39.48	38.81	-47.41	-25.00	22.41	208	195	Vertical

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Test Band = LTE 7A_42A_ 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	5002.1800	45.74	-45.63	32.88	-62.27	-25.00	37.27	211	300	Horizontal
2	7503	55.83	-43.13	36.44	-46.13	-25.00	21.13	259	118	Horizontal
3	10004.25	41.11	-39.23	38.50	-54.89	-25.00	29.89	231	343	Horizontal
4	11472.75	33.21	-37.33	39.03	-60.35	-25.00	35.35	278	74	Horizontal
5	13804.3600	31.20	-36.36	39.96	-60.45	-25.00	35.45	156	91	Horizontal
6	17255.4500	31.76	-35.26	38.68	-60.08	-25.00	35.08	308	359	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	5002.1800	53.41	-45.63	32.88	-54.60	-25.00	29.60	288	88	Vertical
2	7503	67.39	-43.13	36.44	-34.57	-25.00	9.57	247	88	Vertical
3	10004.25	49.76	-39.23	38.50	-46.24	-25.00	21.24	139	105	Vertical
4	11847.75	31.82	-37.02	38.80	-61.65	-25.00	36.65	265	329	Vertical
5	13804.3600	31.46	-36.36	39.96	-60.19	-25.00	35.19	304	314	Vertical
6	17255.4500	32.59	-35.26	38.68	-59.25	-25.00	34.25	145	352	Vertical

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Test Band = LTE 7A_42A_ 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	4531.5	46.38	-45.70	31.64	-62.94	-25.00	37.94	248	256	Horizontal
2	5052	47.42	-45.50	32.91	-60.43	-25.00	35.43	179	180	Horizontal
3	7578	54.41	-42.98	36.40	-47.43	-25.00	22.43	216	301	Horizontal
4	10104.3600	35.99	-39.14	38.66	-59.75	-25.00	34.75	283	332	Horizontal
5	13964.3600	29.64	-35.63	40.11	-61.14	-25.00	36.14	134	357	Horizontal
6	17455.4500	31.36	-35.10	39.05	-59.96	-25.00	34.96	281	210	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	4531.5	47.54	-45.70	31.64	-61.78	-25.00	36.78	156	354	Vertical
2	5052	53.77	-45.50	32.91	-54.08	-25.00	29.08	246	305	Vertical
3	7578.2700	63.16	-42.97	36.40	-38.67	-25.00	13.67	231	89	Vertical
4	10104.3600	42.82	-39.14	38.66	-52.92	-25.00	27.92	208	105	Vertical
5	13964.3600	29.68	-35.63	40.11	-61.10	-25.00	36.10	165	354	Vertical
6	17455.4500	32.32	-35.10	39.05	-59.00	-25.00	34.00	274	358	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 7A_42A_ 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	4531.5	45.62	-45.70	31.64	-63.70	-25.00	38.70	136	329	Horizontal
2	5102.1800	46.18	-45.37	32.94	-61.51	-25.00	36.51	209	61	Horizontal
3	7653	50.85	-43.03	36.49	-50.95	-25.00	25.95	255	59	Horizontal
4	10204.3600	34.68	-39.48	38.81	-61.25	-25.00	36.25	146	344	Horizontal
5	14124.3600	29.54	-35.96	40.20	-61.49	-25.00	36.49	134	360	Horizontal
6	17655.4500	31.08	-33.68	39.89	-57.97	-25.00	32.97	219	179	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	4530.75	46.27	-45.70	31.64	-63.05	-25.00	38.05	175	238	Vertical
2	5102.1800	55.77	-45.37	32.94	-51.92	-25.00	26.92	214	282	Vertical
3	7653	61.66	-43.03	36.49	-40.14	-25.00	15.14	286	106	Vertical
4	10204.3600	44.37	-39.48	38.81	-51.56	-25.00	26.56	134	118	Vertical
5	14124.3600	30.66	-35.96	40.20	-60.37	-25.00	35.37	215	353	Vertical
6	17655.4500	31.13	-33.68	39.89	-57.92	-25.00	32.92	226	147	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 7A_66A_ 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	5002.1800	55.08	-45.63	32.88	-52.93	-25.00	27.93	288	148	Horizontal
2	7503	65.89	-43.13	36.44	-36.07	-25.00	11.07	300	300	Horizontal
3	8510.4500	38.37	-41.59	37.56	-60.92	-25.00	35.92	262	29	Horizontal
4	10004.25	47.50	-39.23	38.50	-48.50	-25.00	23.50	300	224	Horizontal
5	10212.5400	35.01	-39.45	38.81	-60.88	-25.00	35.88	205	225	Horizontal
6	11914.6300	31.41	-37.18	38.88	-62.15	-25.00	37.15	168	360	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	5002.1800	56.66	-45.63	32.88	-51.35	-25.00	26.35	300	359	Vertical
2	7503	68.72	-43.13	36.44	-33.24	-25.00	8.24	300	192	Vertical
3	8510.4500	38.06	-41.59	37.56	-61.23	-25.00	36.23	300	60	Vertical
4	10004.25	51.64	-39.23	38.50	-44.36	-25.00	19.36	300	207	Vertical
5	10212.5400	34.91	-39.45	38.81	-60.98	-25.00	35.98	100	299	Vertical
6	11914.6300	31.34	-37.18	38.88	-62.22	-25.00	37.22	100	164	Vertical

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Test Band = LTE 7A_66A_ 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	5052	57.02	-45.50	32.91	-50.83	-25.00	25.83	281	149	Horizontal
2	7578	64.11	-42.98	36.40	-37.73	-25.00	12.73	162	90	Horizontal
3	8635.4500	37.87	-41.46	37.81	-61.04	-25.00	36.04	308	74	Horizontal
4	10104.3600	41.81	-39.14	38.66	-53.93	-25.00	28.93	249	352	Horizontal
5	10362.5400	34.69	-39.04	38.85	-60.76	-25.00	35.76	156	360	Horizontal
6	12089.6300	32.19	-37.37	39.04	-61.40	-25.00	36.40	127	300	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	5052	58.34	-45.50	32.91	-49.51	-25.00	24.51	208	14	Vertical
2	7578.2700	65.05	-42.97	36.40	-36.78	-25.00	11.78	195	28	Vertical
3	8635.4500	37.56	-41.46	37.81	-61.35	-25.00	36.35	174	179	Vertical
4	10104.3600	46.54	-39.14	38.66	-49.20	-25.00	24.20	156	210	Vertical
5	10362.5400	34.82	-39.04	38.85	-60.63	-25.00	35.63	309	105	Vertical
6	12089.6300	31.92	-37.37	39.04	-61.67	-25.00	36.67	248	210	Vertical

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Test Band = LTE 7A_66A_ 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	5102.1800	55.33	-45.37	32.94	-52.36	-25.00	27.36	277	286	Horizontal
2	7653	62.79	-43.03	36.49	-39.01	-25.00	14.01	184	88	Horizontal
3	8760.4500	38.15	-41.42	38.02	-60.52	-25.00	35.52	159	360	Horizontal
4	10204.3600	41.88	-39.48	38.81	-54.05	-25.00	29.05	216	120	Horizontal
5	10512.5400	34.34	-38.76	38.97	-60.71	-25.00	35.71	128	181	Horizontal
6	12262.6300	32.69	-37.44	39.11	-60.90	-25.00	35.90	218	256	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	5102.1800	57.87	-45.37	32.94	-49.82	-25.00	24.82	277	359	Vertical
2	7653	64.58	-43.03	36.49	-37.22	-25.00	12.22	182	194	Vertical
3	8760.4500	38.08	-41.42	38.02	-60.59	-25.00	35.59	298	14	Vertical
4	10204.3600	48.06	-39.48	38.81	-47.87	-25.00	22.87	162	210	Vertical
5	10512.5400	34.53	-38.76	38.97	-60.52	-25.00	35.52	247	360	Vertical
6	12262.6300	32.27	-37.44	39.11	-61.32	-25.00	36.32	186	14	Vertical

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Test Band = LTE 7A_71A_ 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	1328.1800	28.23	-24.80	25.61	-66.22	-25.00	41.22	204	18	Horizontal
2	1992.2700	28.77	-24.48	26.60	-64.37	-25.00	39.37	173	6	Horizontal
3	2656.3600	30.13	-22.84	28.21	-59.76	-25.00	34.76	308	56	Horizontal
4	5002.1800	54.15	-45.63	32.88	-53.86	-25.00	28.86	286	148	Horizontal
5	7503	65.71	-43.13	36.44	-36.25	-25.00	11.25	195	88	Horizontal
6	10004.25	46.46	-39.23	38.50	-49.54	-25.00	24.54	144	344	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	1328.1800	28.14	-24.80	25.61	-66.31	-25.00	41.31	258	1	Vertical
2	1992.2700	28.55	-24.48	26.60	-64.59	-25.00	39.59	162	0	Vertical
3	2656.3600	30.20	-22.84	28.21	-59.69	-25.00	34.69	138	0	Vertical
4	5002.1800	57.58	-45.63	32.88	-50.43	-25.00	25.43	217	358	Vertical
5	7503	68.43	-43.13	36.44	-33.53	-25.00	8.53	155	179	Vertical
6	10004.25	53.58	-39.23	38.50	-42.42	-25.00	17.42	192	210	Vertical

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Test Band = LTE 7A_71A_ 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	1348.1800	28.51	-24.92	25.61	-66.06	-25.00	41.06	157	304	Horizontal
2	2022.2700	28.73	-24.41	26.72	-64.22	-25.00	39.22	214	19	Horizontal
3	2696.3600	29.92	-22.85	28.28	-59.91	-25.00	34.91	163	232	Horizontal
4	5052	55.63	-45.50	32.91	-52.22	-25.00	27.22	209	150	Horizontal
5	7578	64.49	-42.98	36.40	-37.35	-25.00	12.35	247	91	Horizontal
6	10104.3600	40.85	-39.14	38.66	-54.89	-25.00	29.89	182	353	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	1348.1800	28.59	-24.92	25.61	-65.98	-25.00	40.98	228	0	Vertical
2	2022.2700	28.95	-24.41	26.72	-64.00	-25.00	39.00	164	351	Vertical
3	2696.3600	29.78	-22.85	28.28	-60.05	-25.00	35.05	281	0	Vertical
4	5052	58.00	-45.50	32.91	-49.85	-25.00	24.85	193	357	Vertical
5	7578.2700	64.17	-42.97	36.40	-37.66	-25.00	12.66	255	359	Vertical
6	10104	50.30	-39.14	38.66	-45.44	-25.00	20.44	164	209	Vertical

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Test Band = LTE 7A_71A_ 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	1358.1800	29.01	-24.98	25.61	-65.62	-25.00	40.62	248	0	Horizontal
2	2037.2700	28.74	-24.37	26.77	-64.12	-25.00	39.12	189	274	Horizontal
3	2716.3600	29.70	-22.80	28.32	-60.04	-25.00	35.04	233	28	Horizontal
4	5102.1800	54.56	-45.37	32.94	-53.13	-25.00	28.13	201	150	Horizontal
5	7653	62.39	-43.03	36.49	-39.41	-25.00	14.41	182	287	Horizontal
6	10204.3600	41.25	-39.48	38.81	-54.68	-25.00	29.68	304	345	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	1358.1800	28.76	-24.98	25.61	-65.87	-25.00	40.87	129	76	Vertical
2	2037.2700	28.89	-24.37	26.77	-63.97	-25.00	38.97	266	0	Vertical
3	2716.3600	29.80	-22.80	28.32	-59.94	-25.00	34.94	295	4	Vertical
4	5102.1800	57.70	-45.37	32.94	-49.99	-25.00	24.99	183	359	Vertical
5	7653	64.30	-43.03	36.49	-37.50	-25.00	12.50	204	28	Vertical
6	10204.3600	47.94	-39.48	38.81	-47.99	-25.00	22.99	175	210	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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	7.80	0.003077	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-16.80	-0.006627	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-5.00	-0.001972	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-6.30	-0.002485	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	4.40	0.001736	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	4.40	0.001736	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-8.80	-0.003471	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-12.10	-0.004773	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-11.70	-0.004615	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-14.30	-0.005641	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	3.90	0.001538	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-13.40	-0.005286	PASS

---End of Attachment---

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