

Report No.: SEWM2209000170RG01

Rev.: 01

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Appendix B.8

LTE Band 13



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANTO:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.45	13.7	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.47	13.72	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.36	13.61	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.57	12.82	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.47	13.72	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.36	13.61	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.32	13.57	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.61	12.86	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.48	13.73	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.23	13.48	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.15	13.4	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.61	12.86	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.93	13.18	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.9	13.15	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.78	13.03	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.63	11.88	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.89	13.14	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.93	13.18	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.46	12.71	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.64	11.89	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.94	13.19	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.87	13.12	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.32	12.57	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.58	11.83	34.77	PASS
Band13	5MHz	64QAM	23205	1RB#0	22.8	12.05	34.77	PASS



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Band13	5MHz	64QAM	23205	1RB#12	22.82	12.07	34.77	PASS
Band13	5MHz	64QAM	23205	1RB#24	22.76	12.01	34.77	PASS
Band13	5MHz	64QAM	23205	25RB#0	21.58	10.83	34.77	PASS
Band13	5MHz	64QAM	23230	1RB#0	22.71	11.96	34.77	PASS
Band13	5MHz	64QAM	23230	1RB#12	22.39	11.64	34.77	PASS
Band13	5MHz	64QAM	23230	1RB#24	22.71	11.96	34.77	PASS
Band13	5MHz	64QAM	23230	25RB#0	21.6	10.85	34.77	PASS
Band13	5MHz	64QAM	23255	1RB#0	22.71	11.96	34.77	PASS
Band13	5MHz	64QAM	23255	1RB#12	22.65	11.9	34.77	PASS
Band13	5MHz	64QAM	23255	1RB#24	22.71	11.96	34.77	PASS
Band13	5MHz	64QAM	23255	25RB#0	21.6	10.85	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	24.3	13.55	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.35	13.6	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	24.12	13.37	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.68	12.93	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.89	13.14	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.81	13.06	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.83	13.08	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.66	11.91	34.77	PASS
Band13	10MHz	64QAM	23230	1RB#0	22.81	12.06	34.77	PASS
Band13	10MHz	64QAM	23230	1RB#24	22.77	12.02	34.77	PASS
Band13	10MHz	64QAM	23230	1RB#49	22.7	11.95	34.77	PASS
Band13	10MHz	64QAM	23230	50RB#0	21.59	10.84	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	4.92	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.64	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.24	13	PASS

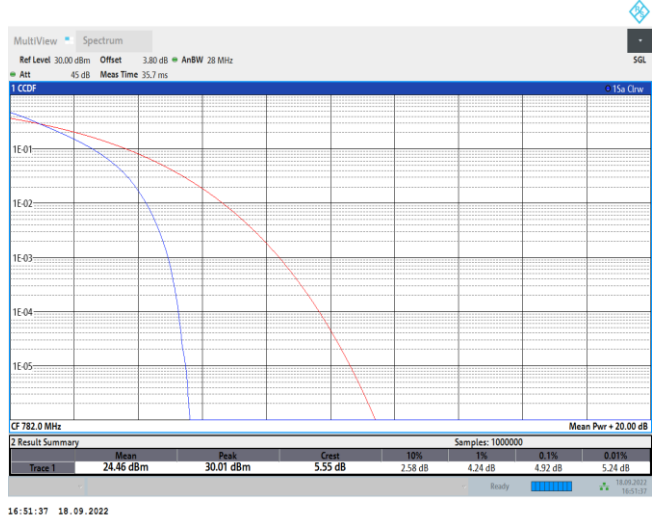


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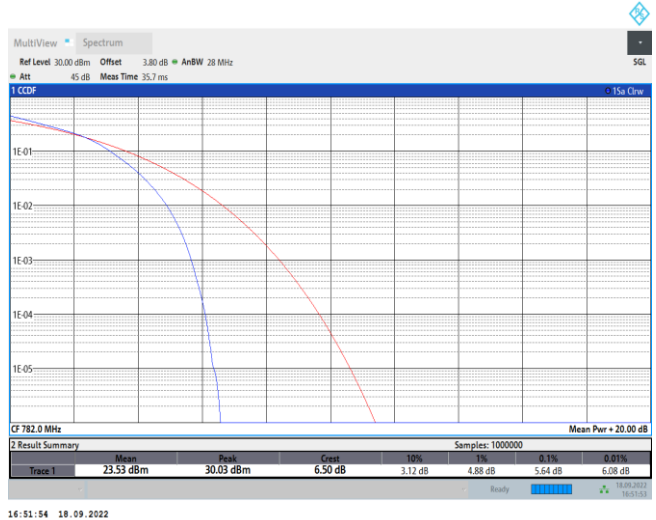
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Test Graphs

Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-50RB#0

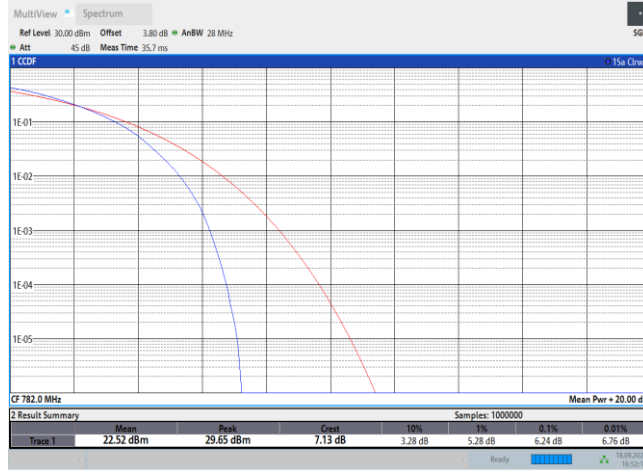


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Band13-10MHz-64QAM-23230-50RB#0



16:52:10 18.09.2022



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Modulation Characteristics

Test Result

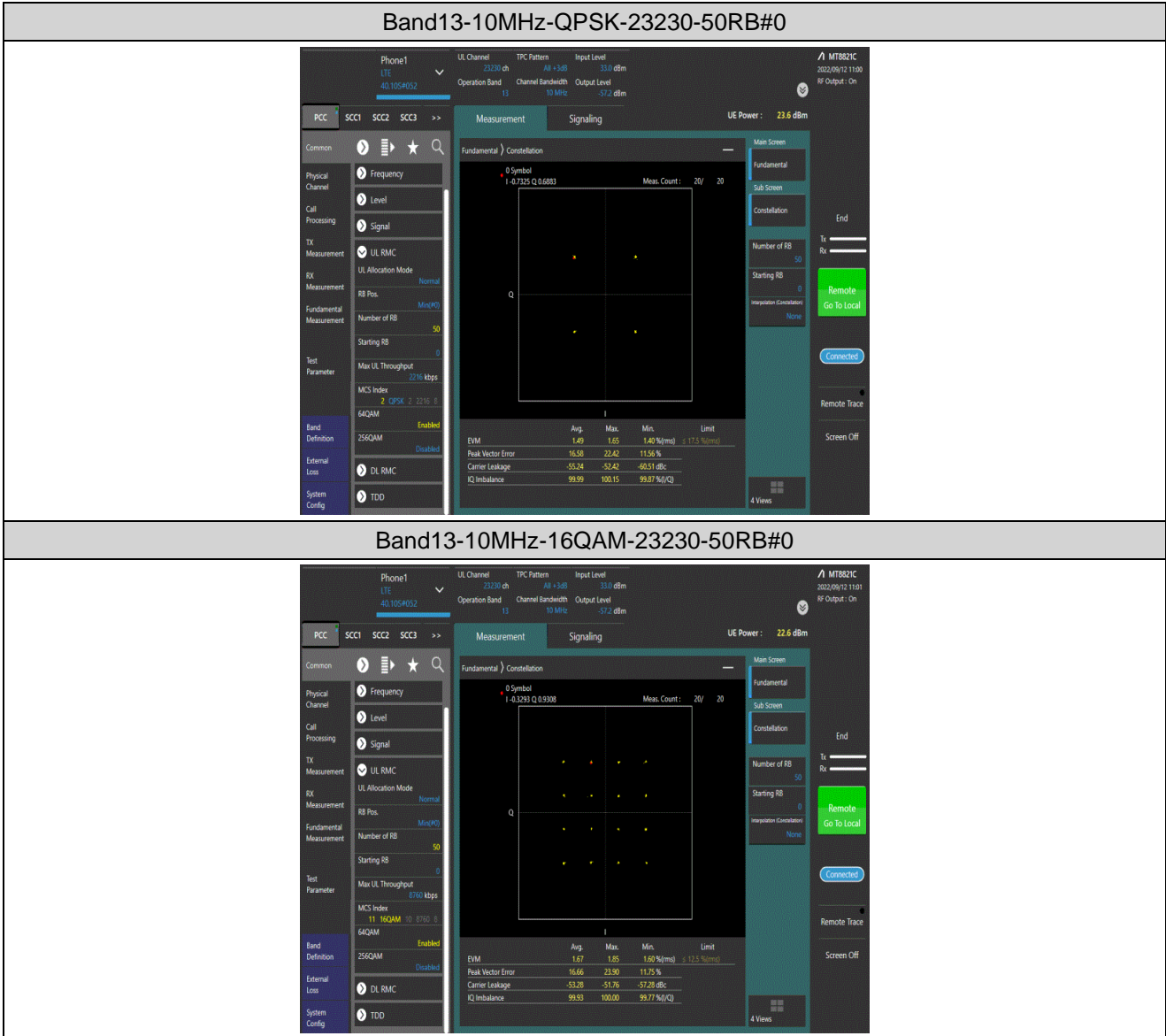
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band13	10MHz	QPSK	23230	50RB#0	PASS	PASS
Band13	10MHz	16QAM	23230	50RB#0	PASS	PASS
Band13	10MHz	64QAM	23230	50RB#0	PASS	PASS



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Test Graphs

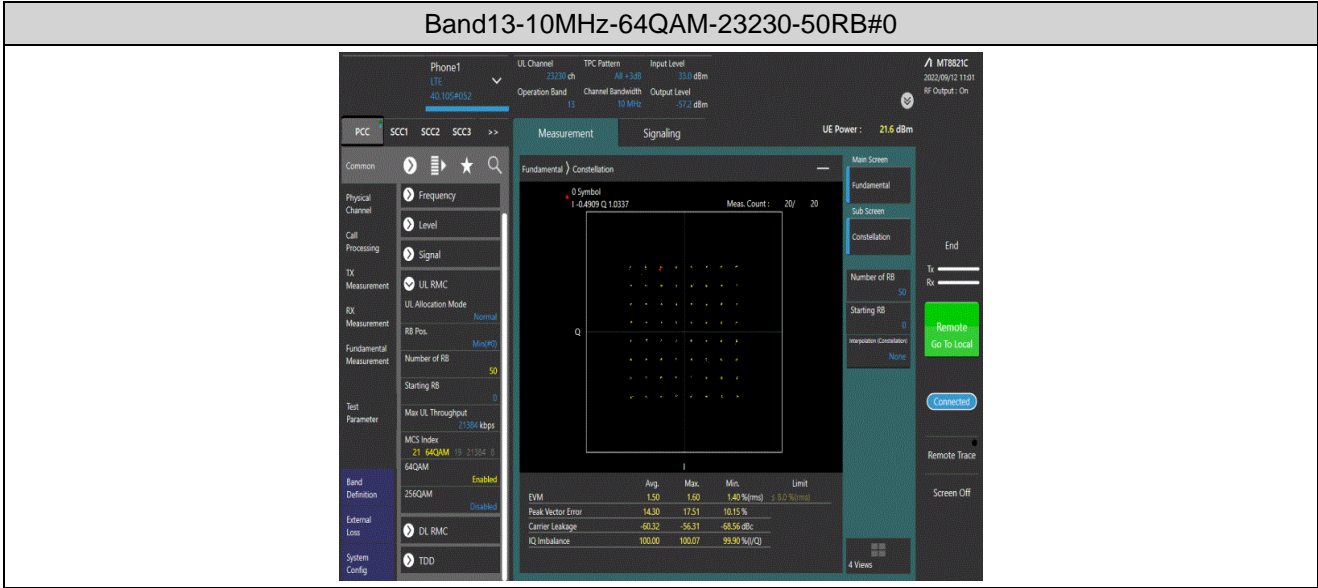


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.464	4.83	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.471	4.90	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.473	4.85	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.46	4.89	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.469	4.90	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.466	4.89	PASS
Band13	5MHz	64QAM	23205	25RB#0	4.465	4.87	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.482	4.90	PASS
Band13	5MHz	64QAM	23255	25RB#0	4.48	4.88	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.932	9.58	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.92	9.56	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.93	9.56	PASS



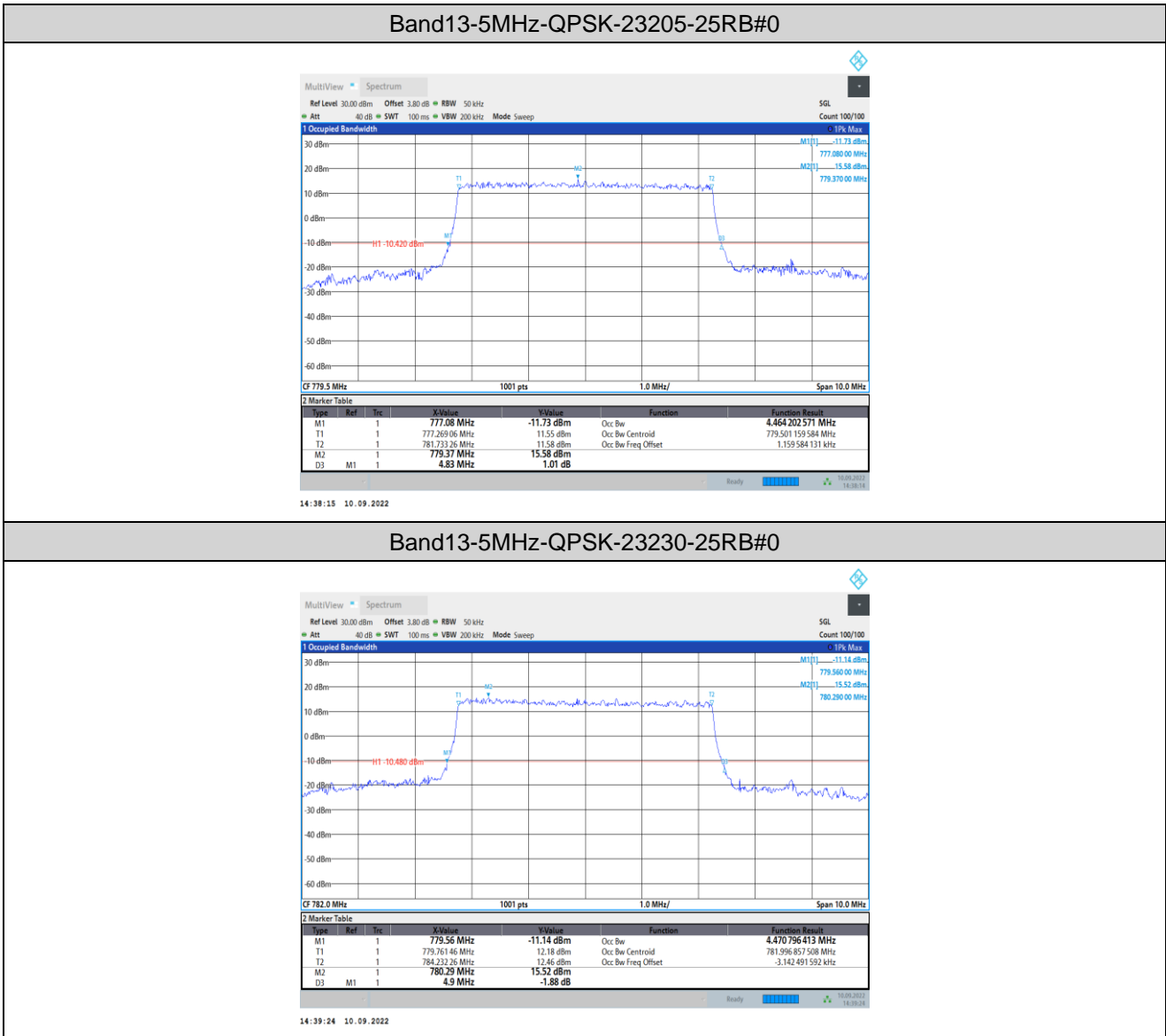
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Test Graphs

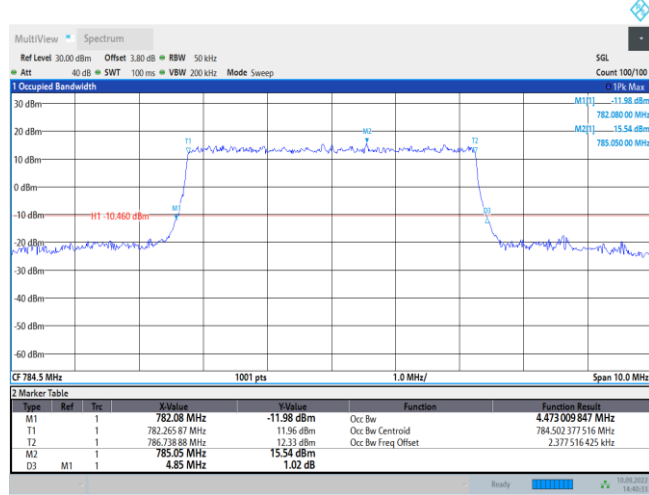


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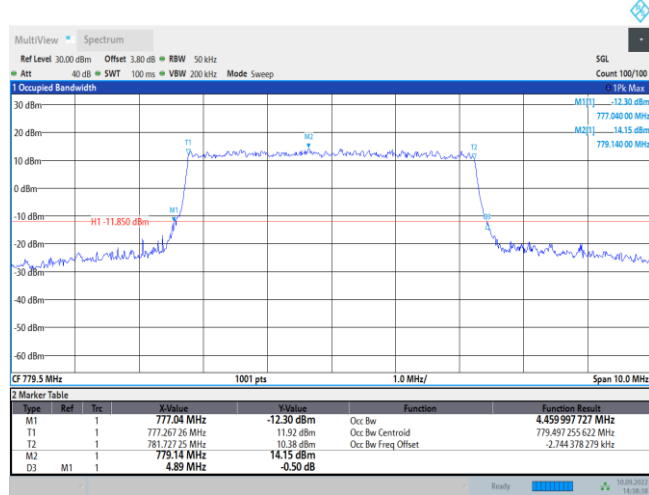
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Band13-5MHz-QPSK-23255-25RB#0



14:40:34 10.09.2022

Band13-5MHz-16QAM-23205-25RB#0



14:38:38 10.09.2022

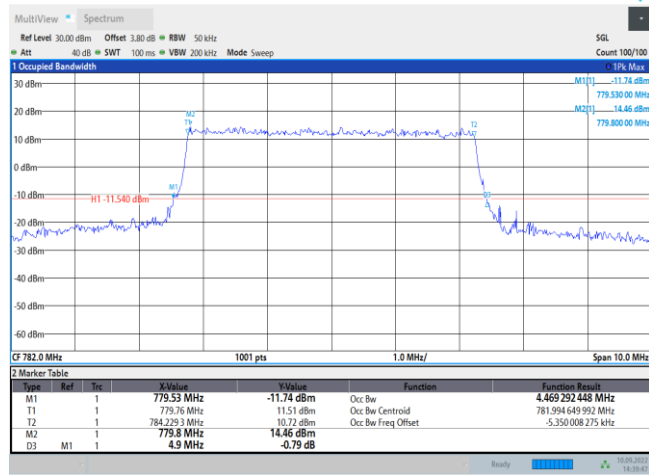


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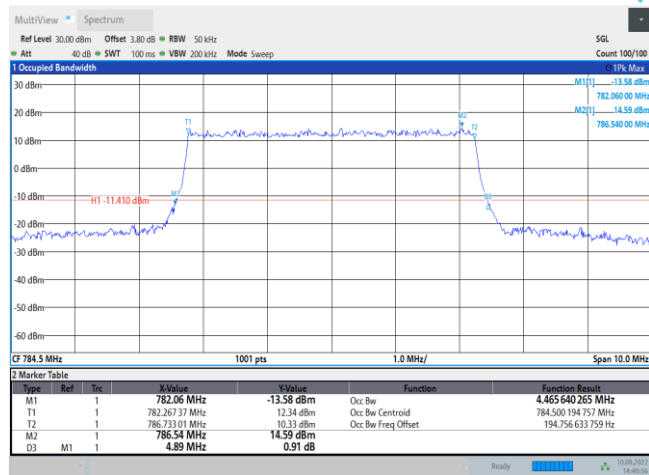
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Band13-5MHz-16QAM-23230-25RB#0



14:39:47 10.09.2022

Band13-5MHz-16QAM-23255-25RB#0



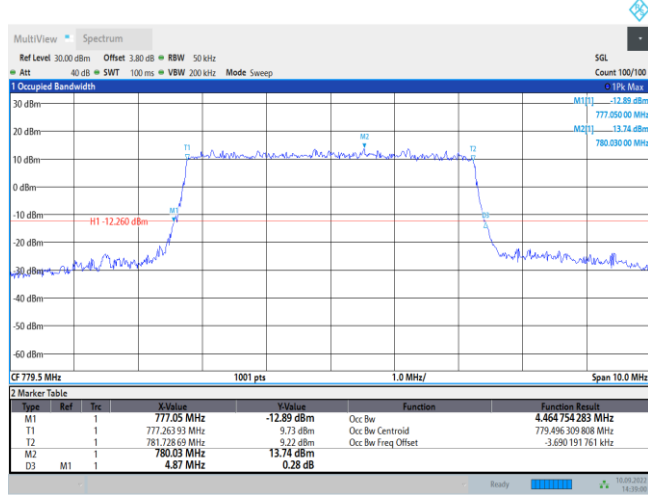
14:40:57 10.09.2022



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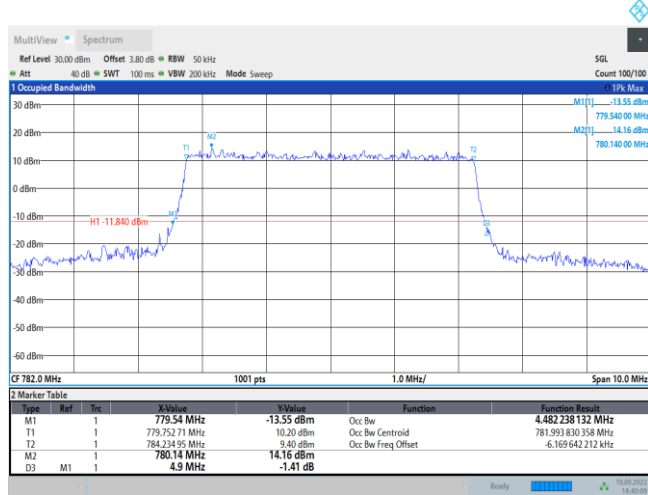
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Band13-5MHz-64QAM-23205-25RB#0



14:39:01 10.09.2022

Band13-5MHz-64QAM-23230-25RB#0



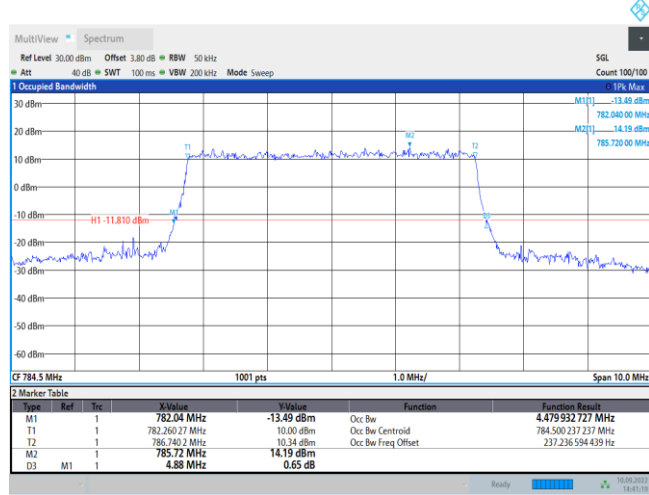
14:40:10 10.09.2022



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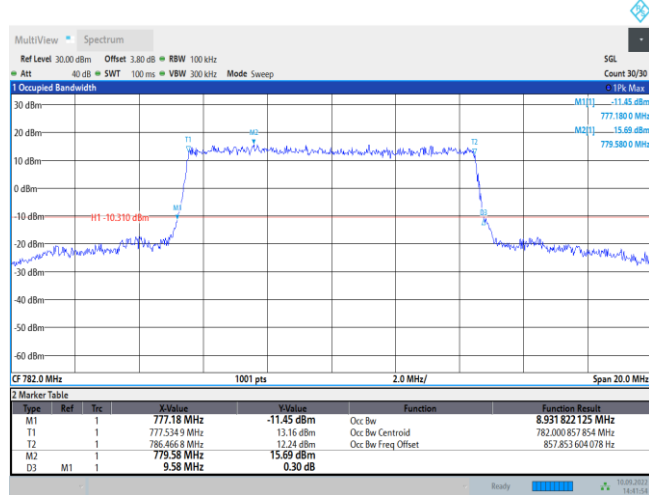
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Band13-5MHz-64QAM-23255-25RB#0



14:41:20 10.09.2022

Band13-10MHz-QPSK-23230-50RB#0



14:41:55 10.09.2022

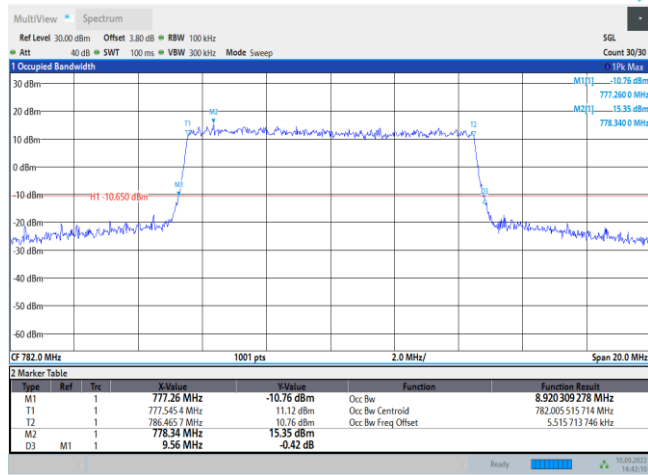


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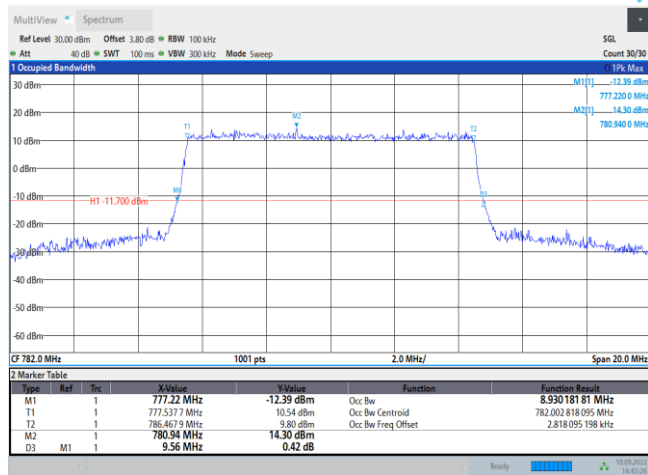
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Band13-10MHz-16QAM-23230-50RB#0



14:42:11 10.09.2022

Band13-10MHz-64QAM-23230-50RB#0



14:42:27 10.09.2022



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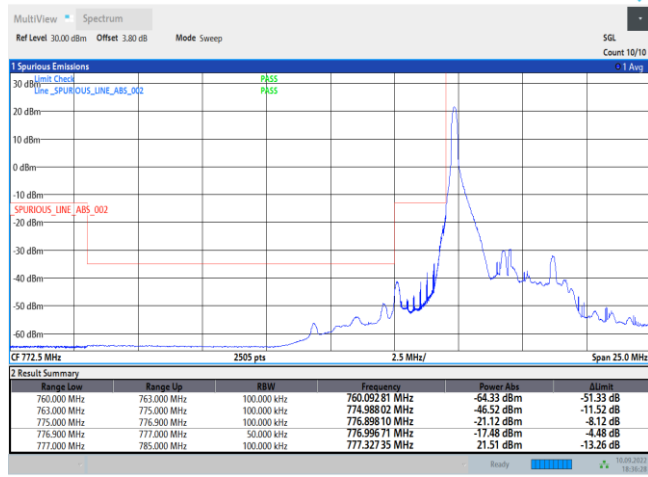
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Band Edge

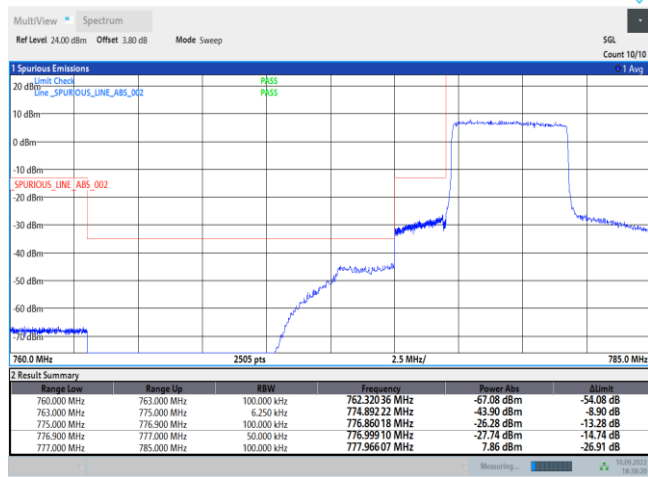
Test Graphs

Band13-5MHz-QPSK-23205-1RB#0



18:36:28 10.09.2022

Band13-5MHz-QPSK-23205-25RB#0



18:38:20 10.09.2022



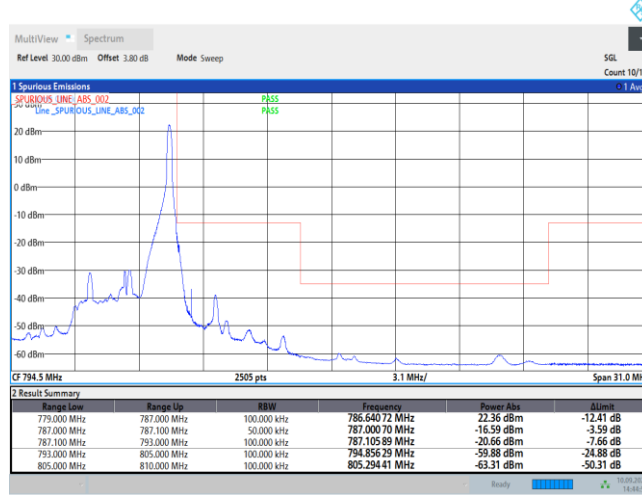
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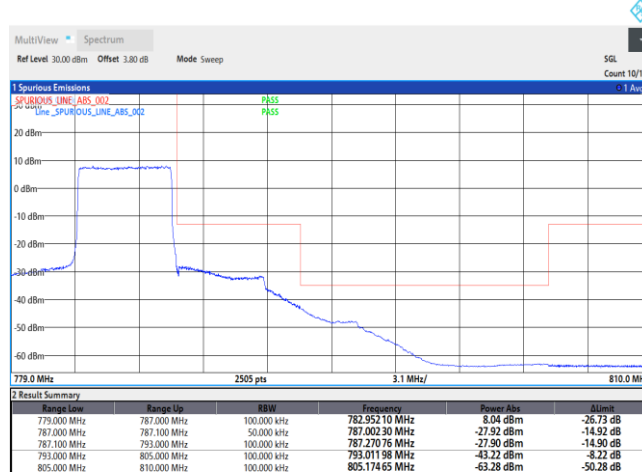
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Band13-5MHz-QPSK-23255-1RB#24



14:44:57 10.09.2022

Band13-5MHz-QPSK-23255-25RB#0



14:45:33 10.09.2022

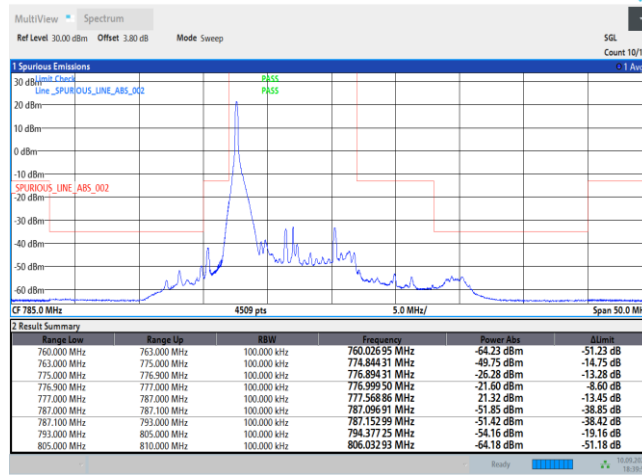


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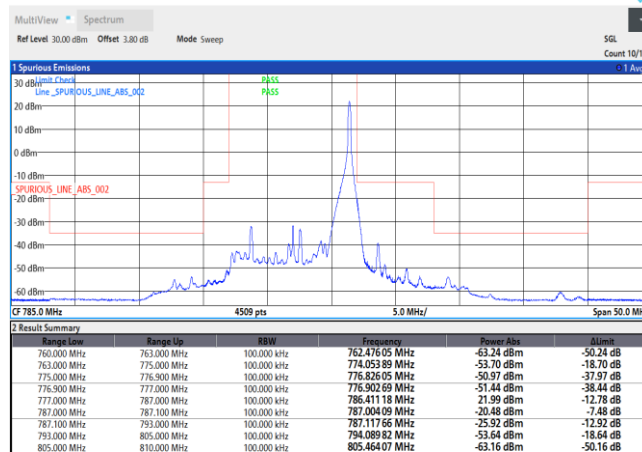
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Band13-10MHz-QPSK-23230-1RB#0



18:39:53 10.09.2022

Band13-10MHz-QPSK-23230-1RB#49



14:48:45 10.09.2022

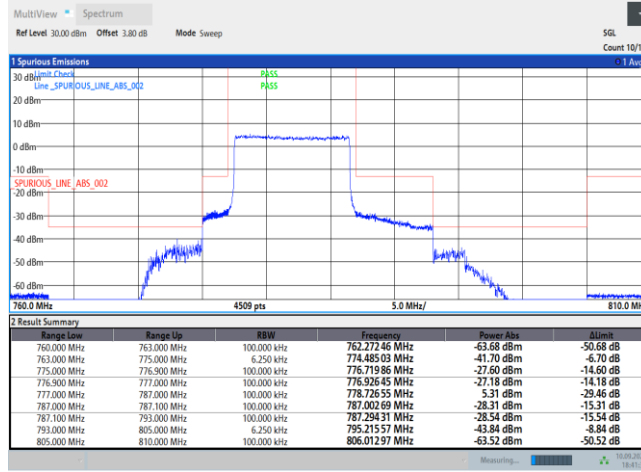


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Band13-10MHz-QPSK-23230-50RB#0



18:41:34 10.09.2022



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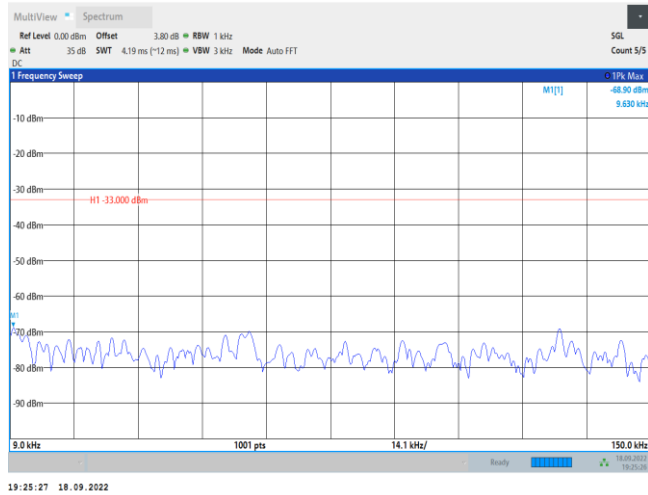
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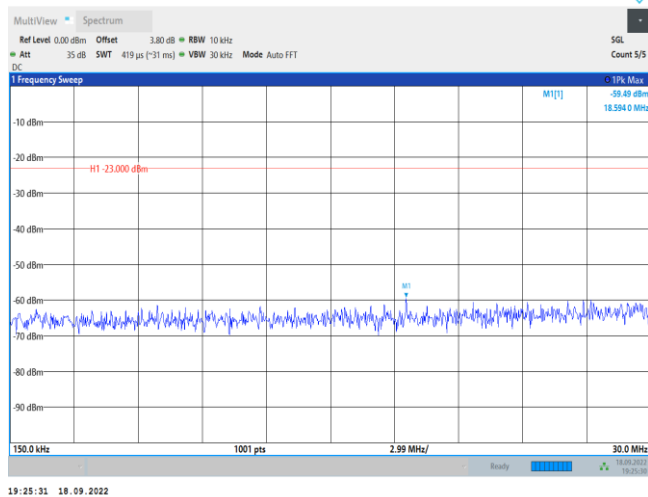
Conducted Spurious Emission

Test Graphs

Band13-10MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



Band13-10MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz

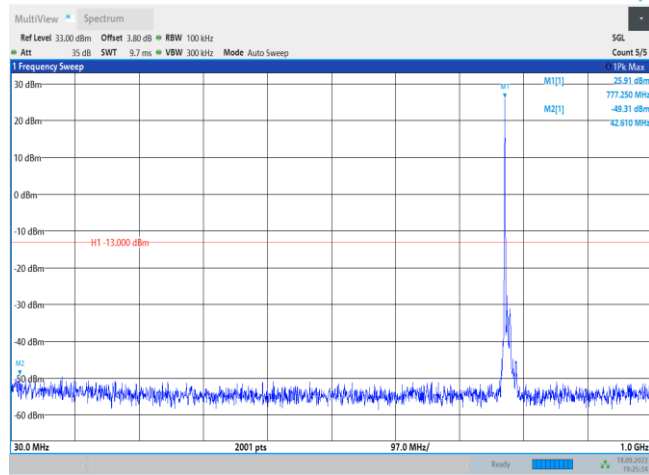


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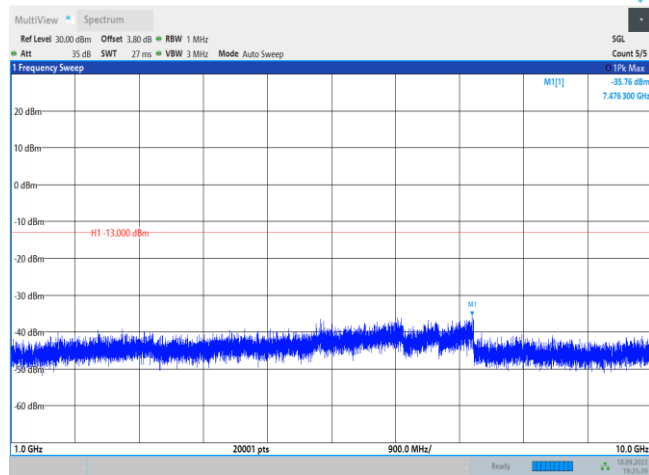
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Band13-10MHz-QPSK-23230-1RB#0-Range3:30~1000MHz



19:25:35 18.09.2022

Band13-10MHz-QPSK-23230-1RB#0-Range4:1000~10000MHz



19:25:39 18.09.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 13 10M_ TM1

Test Channel = Middle ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1555.4286	64.58	-48.30	25.41	-53.57	-13.00	40.57	215	199	Horizontal
2	2332.7700	55.44	-47.48	27.41	-59.90	-13.00	46.90	142	0	Horizontal
3	3110.3600	50.77	-46.70	29.53	-61.66	-13.00	48.66	215	66	Horizontal
4	3887.9500	49.72	-46.22	30.54	-61.22	-13.00	48.22	223	105	Horizontal
5	4665.5400	49.39	-45.80	31.91	-59.76	-13.00	46.76	158	25	Horizontal
6	5443.1300	49.04	-45.04	32.85	-58.42	-13.00	45.42	179	267	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	1554.8571	59.65	-48.30	25.41	-58.50	-13.00	45.50	150	293	Vertical
2	2332.7700	51.00	-47.48	27.41	-64.34	-13.00	51.34	215	344	Vertical
3	3110.3600	50.82	-46.70	29.53	-61.61	-13.00	48.61	241	4	Vertical
4	3887.9500	52.23	-46.22	30.54	-58.71	-13.00	45.71	267	80	Vertical
5	4665.5400	48.35	-45.80	31.91	-60.80	-13.00	47.80	255	106	Vertical
6	5443.1300	47.84	-45.04	32.85	-59.62	-13.00	46.62	238	67	Vertical



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Test Band = LTE Band 13 5M_ TM1

Test Channel = Low ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1554.8571	62.51	-48.30	25.41	-55.64	-13.00	42.64	145	228	Horizontal
2	2332.0200	55.05	-47.48	27.41	-60.29	-13.00	47.29	156	357	Horizontal
3	3109.3600	52.98	-46.71	29.53	-59.45	-13.00	46.45	214	176	Horizontal
4	3886.7000	52.00	-46.22	30.53	-58.95	-13.00	45.95	226	256	Horizontal
5	4664.0400	48.62	-45.80	31.91	-60.53	-13.00	47.53	285	4	Horizontal
6	5441.3800	48.88	-45.04	32.85	-58.58	-13.00	45.58	273	55	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	60.20	-48.30	25.41	-57.95	-13.00	44.95	216	146	Vertical
2	2332.0200	50.76	-47.48	27.41	-64.58	-13.00	51.58	251	352	Vertical
3	3109.3600	50.94	-46.71	29.53	-61.49	-13.00	48.49	241	53	Vertical
4	3886.7000	49.92	-46.22	30.53	-61.03	-13.00	48.03	239	307	Vertical
5	4664.0400	48.11	-45.80	31.91	-61.04	-13.00	48.04	283	40	Vertical
6	5441.3800	48.83	-45.04	32.85	-58.63	-13.00	45.63	227	319	Vertical



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Test Band = LTE Band 13 5M_ TM1

Test Channel = Middle ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1560	63.22	-48.30	25.40	-54.93	-40.00	14.93	214	0	Horizontal
2	2339.5200	53.25	-47.48	27.41	-62.08	-13.00	49.08	251	252	Horizontal
3	3119.3600	51.43	-46.66	29.55	-60.94	-13.00	47.94	228	280	Horizontal
4	3899.2000	51.73	-46.23	30.56	-59.20	-13.00	46.20	264	252	Horizontal
5	4679.0400	48.25	-45.80	31.95	-60.86	-13.00	47.86	159	26	Horizontal
6	5458.8800	48.16	-45.07	32.87	-59.31	-13.00	46.31	175	104	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	57.32	-48.30	25.40	-60.83	-40.00	20.83	253	282	Vertical
2	2339.5200	50.96	-47.48	27.41	-64.37	-13.00	51.37	156	26	Vertical
3	3119.3600	51.67	-46.66	29.55	-60.70	-13.00	47.70	174	133	Vertical
4	3899.2000	49.96	-46.23	30.56	-60.97	-13.00	47.97	216	92	Vertical
5	4679.0400	49.98	-45.80	31.95	-59.13	-13.00	46.13	228	352	Vertical
6	5458.8800	48.08	-45.07	32.87	-59.39	-13.00	46.39	197	145	Vertical



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Test Band = LTE Band 13 5M_ TM1

Test Channel = High ANTO

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1564.5714	58.82	-48.29	25.40	-59.34	-40.00	19.34	194	201	Horizontal
2	2347.0200	53.12	-47.48	27.41	-62.20	-13.00	49.20	156	1	Horizontal
3	3129.3600	52.17	-46.61	29.56	-60.14	-13.00	47.14	175	282	Horizontal
4	3911.7000	49.83	-46.23	30.59	-61.06	-13.00	48.06	184	256	Horizontal
5	4694.0400	48.19	-45.80	32.00	-60.87	-13.00	47.87	246	190	Horizontal
6	5476.3800	48.03	-45.10	32.88	-59.45	-13.00	46.45	259	136	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	1564.5714	60.82	-48.29	25.40	-57.34	-40.00	17.34	111	228	Vertical
2	2347.0200	52.58	-47.48	27.41	-62.74	-13.00	49.74	258	360	Vertical
3	3129.3600	50.88	-46.61	29.56	-61.43	-13.00	48.43	146	161	Vertical
4	3911.7000	51.20	-46.23	30.59	-59.69	-13.00	46.69	175	53	Vertical
5	4694.0400	49.62	-45.80	32.00	-59.44	-13.00	46.44	149	282	Vertical
6	5476.3800	48.68	-45.10	32.88	-58.80	-13.00	45.80	281	282	Vertical



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Test Band = LTE Band 13 10M_ TM1

Test Channel = Middle ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1555.1800	64.61	-48.30	25.41	-53.54	-13.00	40.54	174	174	Horizontal
2	2332.7700	52.70	-47.48	27.41	-62.64	-13.00	49.64	179	40	Horizontal
3	3110.3600	50.46	-46.70	29.53	-61.97	-13.00	48.97	251	133	Horizontal
4	3887.9500	51.28	-46.22	30.54	-59.66	-13.00	46.66	168	226	Horizontal
5	4665.5400	47.69	-45.80	31.91	-61.46	-13.00	48.46	224	347	Horizontal
6	5443.1300	48.00	-45.04	32.85	-59.46	-13.00	46.46	253	347	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	1555.1800	59.32	-48.30	25.41	-58.83	-13.00	45.83	261	334	Vertical
2	2332.7700	51.29	-47.48	27.41	-64.05	-13.00	51.05	252	240	Vertical
3	3110.3600	50.08	-46.70	29.53	-62.35	-13.00	49.35	163	255	Vertical
4	3887.9500	51.98	-46.22	30.54	-58.96	-13.00	45.96	149	172	Vertical
5	4665.5400	48.23	-45.80	31.91	-60.92	-13.00	47.92	187	293	Vertical
6	5443.1300	49.21	-45.04	32.85	-58.25	-13.00	45.25	261	281	Vertical



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Test Band = LTE Band 13 5M_ TM1

Test Channel = Low ANT1

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	64.02	-48.30	25.41	-54.13	-13.00	41.13	232	239	Horizontal
2	2332.0200	53.33	-47.48	27.41	-62.01	-13.00	49.01	145	356	Horizontal
3	3109.3600	50.99	-46.71	29.53	-61.44	-13.00	48.44	171	212	Horizontal
4	3886.7000	50.59	-46.22	30.53	-60.36	-13.00	47.36	162	105	Horizontal
5	4664.0400	49.08	-45.80	31.91	-60.07	-13.00	47.07	159	279	Horizontal
6	5441.3800	49.14	-45.04	32.85	-58.32	-13.00	45.32	183	145	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	1554.2857	59.71	-48.30	25.41	-58.44	-13.00	45.44	216	108	Vertical
2	2332.0200	52.54	-47.48	27.41	-62.80	-13.00	49.80	156	345	Vertical
3	3109.3600	50.80	-46.71	29.53	-61.63	-13.00	48.63	215	322	Vertical
4	3886.7000	50.56	-46.22	30.53	-60.39	-13.00	47.39	229	80	Vertical
5	4664.0400	47.71	-45.80	31.91	-61.44	-13.00	48.44	234	4	Vertical
6	5441.3800	49.28	-45.04	32.85	-58.18	-13.00	45.18	263	227	Vertical



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Test Band = LTE Band 13 5M_ TM1

Test Channel = Middle ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1560	66.33	-48.30	25.40	-51.82	-40.00	11.82	245	175	Horizontal
2	2339.5200	51.94	-47.48	27.41	-63.39	-13.00	50.39	246	0	Horizontal
3	3119.3600	50.86	-46.66	29.55	-61.51	-13.00	48.51	271	254	Horizontal
4	3899.2000	51.26	-46.23	30.56	-59.67	-13.00	46.67	156	187	Horizontal
5	4679.0400	47.34	-45.80	31.95	-61.77	-13.00	48.77	183	254	Horizontal
6	5458.8800	47.89	-45.07	32.87	-59.58	-13.00	46.58	172	213	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	1559.4286	61.67	-48.30	25.40	-56.48	-40.00	16.48	256	238	Vertical
2	2339.5200	51.28	-47.48	27.41	-64.05	-13.00	51.05	156	3	Vertical
3	3119.3600	50.46	-46.66	29.55	-61.91	-13.00	48.91	184	130	Vertical
4	3899.2000	51.17	-46.23	30.56	-59.76	-13.00	46.76	163	183	Vertical
5	4679.0400	47.91	-45.80	31.95	-61.20	-13.00	48.20	192	90	Vertical
6	5458.8800	48.67	-45.07	32.87	-58.80	-13.00	45.80	218	292	Vertical



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Test Band = LTE Band 13 5M_ TM1
Test Channel = High ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1564.5714	61.55	-48.29	25.40	-56.61	-40.00	16.61	145	185	Horizontal
2	2346.8571	56.71	-47.48	27.41	-58.61	-13.00	45.61	126	225	Horizontal
3	3129.3600	51.57	-46.61	29.56	-60.74	-13.00	47.74	216	293	Horizontal
4	3911.7000	50.10	-46.23	30.59	-60.79	-13.00	47.79	251	252	Horizontal
5	4694.0400	49.07	-45.80	32.00	-59.99	-13.00	46.99	216	347	Horizontal
6	5476.3800	48.42	-45.10	32.88	-59.06	-13.00	46.06	169	15	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	1564.5714	61.02	-48.29	25.40	-57.14	-40.00	17.14	215	237	Vertical
2	2347.0200	51.76	-47.48	27.41	-63.56	-13.00	50.56	168	106	Vertical
3	3129.3600	51.55	-46.61	29.56	-60.76	-13.00	47.76	174	277	Vertical
4	3911.7000	50.16	-46.23	30.59	-60.73	-13.00	47.73	218	185	Vertical
5	4694.0400	48.09	-45.80	32.00	-60.97	-13.00	47.97	223	251	Vertical
6	5476.3800	48.56	-45.10	32.88	-58.92	-13.00	45.92	251	185	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 (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-1.10	-0.001407	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-3.70	-0.004731	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-2.20	-0.002813	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-2.60	-0.003325	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	1.10	0.001407	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-0.50	-0.000639	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-5.50	-0.007033	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	1.10	0.001407	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-3.50	-0.004476	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	2.10	0.002685	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-2.10	-0.002685	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-1.70	-0.002174	PASS

---End of Attachment---



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