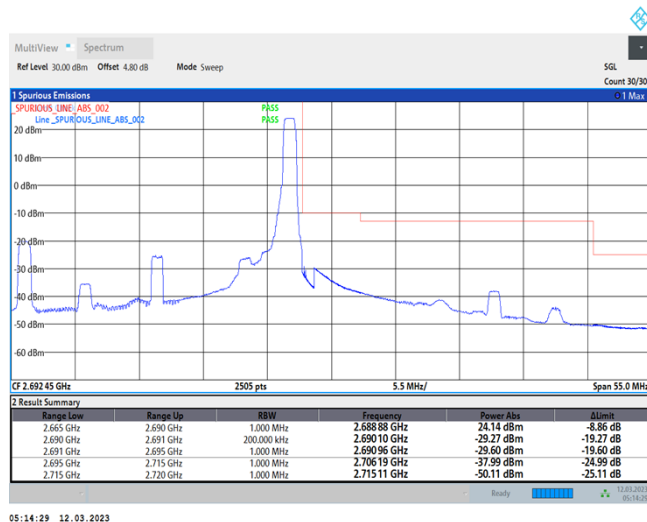
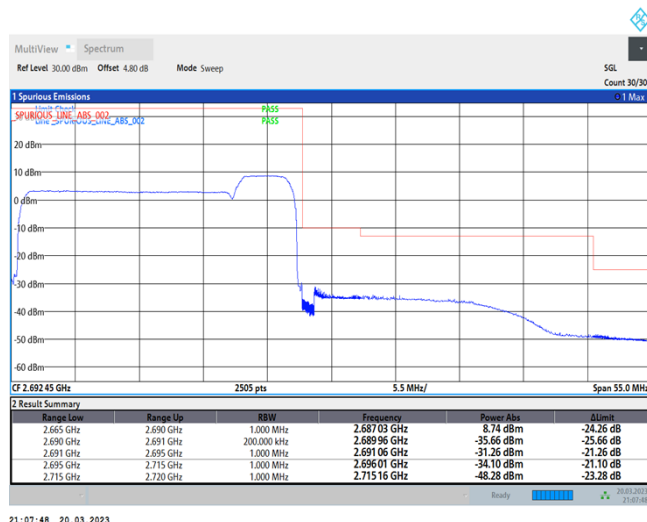


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41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-0RB#0-1RB#24



41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-100RB#0-25RB#0



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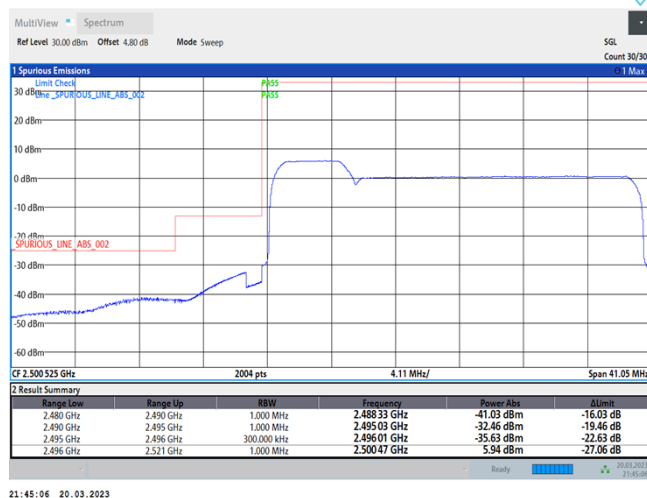
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41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-1RB#0-0RB#0



41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-25RB#0-100RB#0



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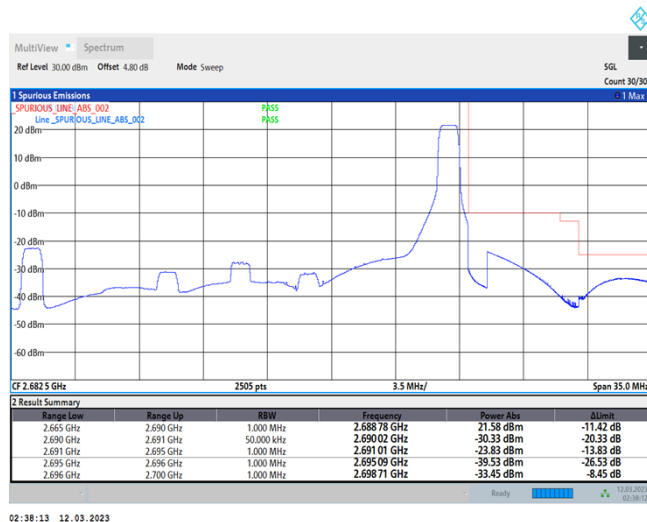
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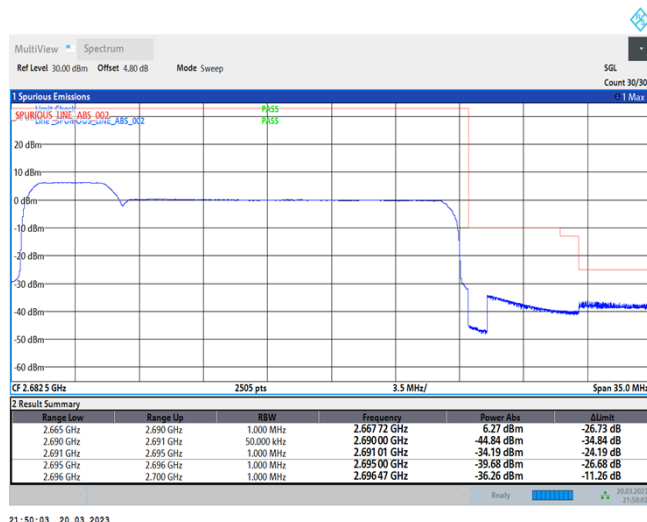
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41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-0RB#0-1RB#99



41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-25RB#0-100RB#0



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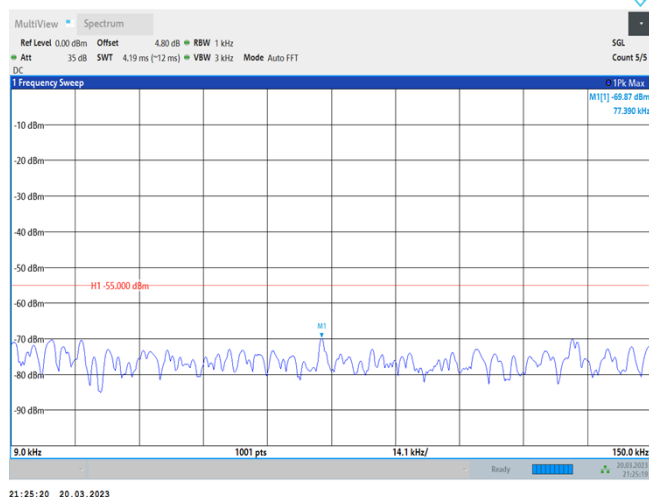
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Conducted Spurious Emission

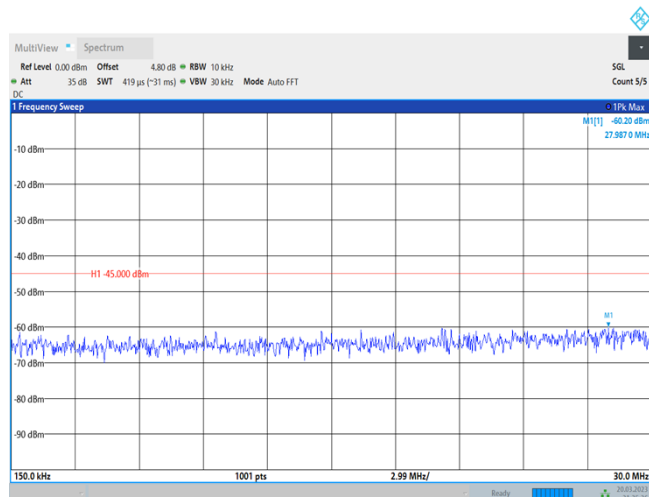
Test Graphs

41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-0.009~0.15MHz



21:25:20 20.03.2023

41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-0.15~30MHz



21:25:27 20.03.2023



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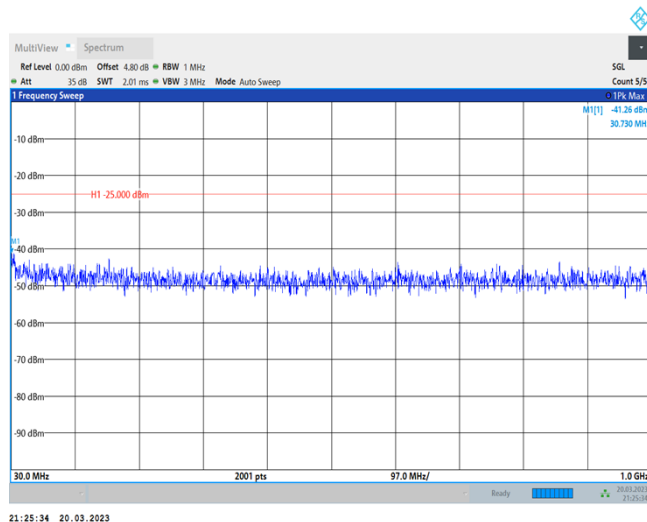
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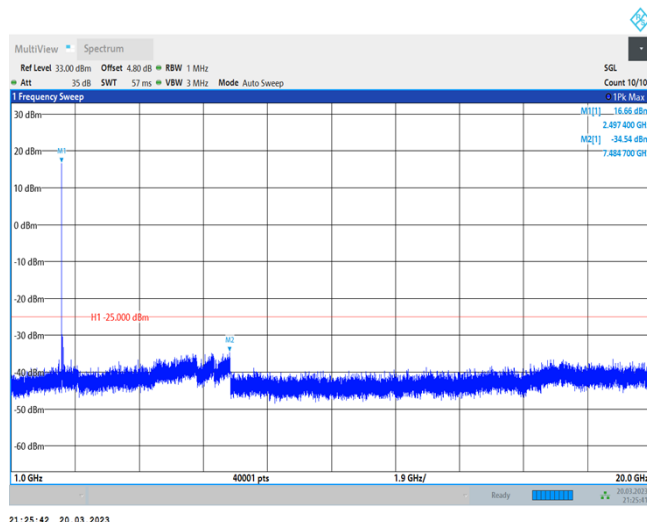
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41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-30~1000MHz



41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-1000~20000MHz



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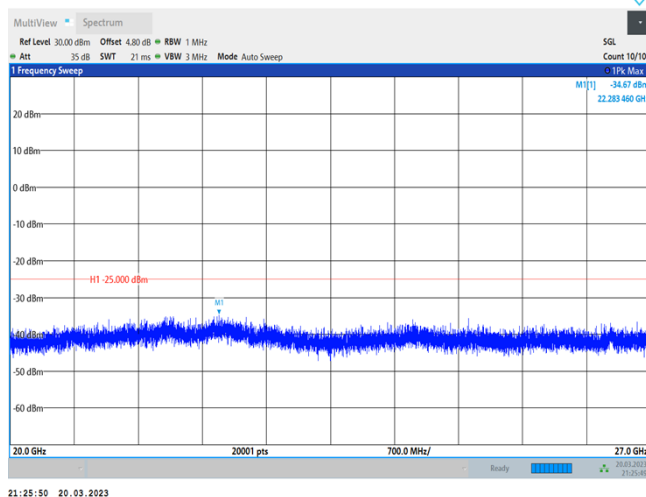
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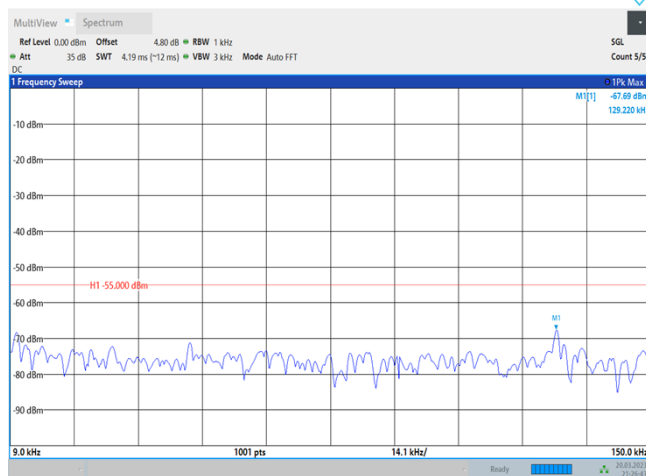
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41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-20000~27000MHz



21:25:50 20.03.2023

41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#0-0RB#0-0.009~0.15MHz



21:26:43 20.03.2023



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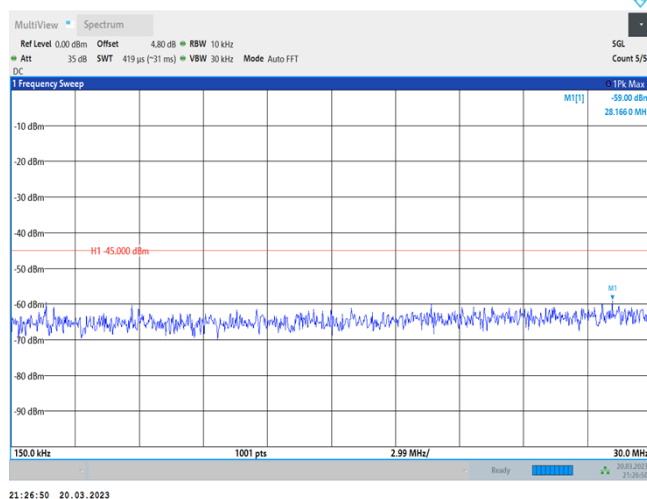
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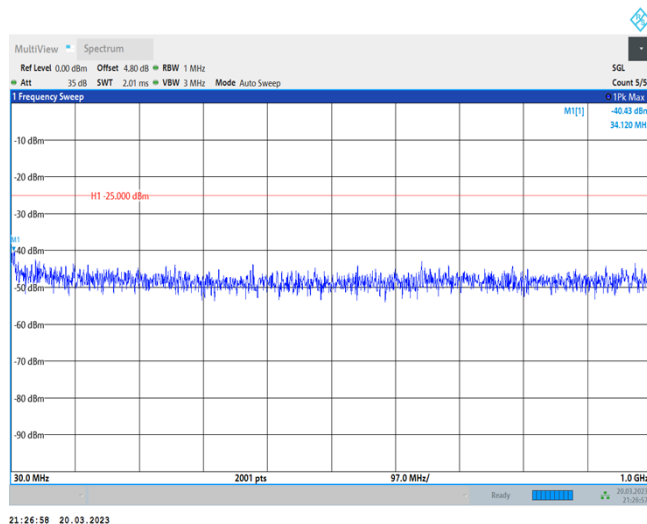
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41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#0-0RB#0-0.15~30MHz



41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#0-0RB#0-30~1000MHz



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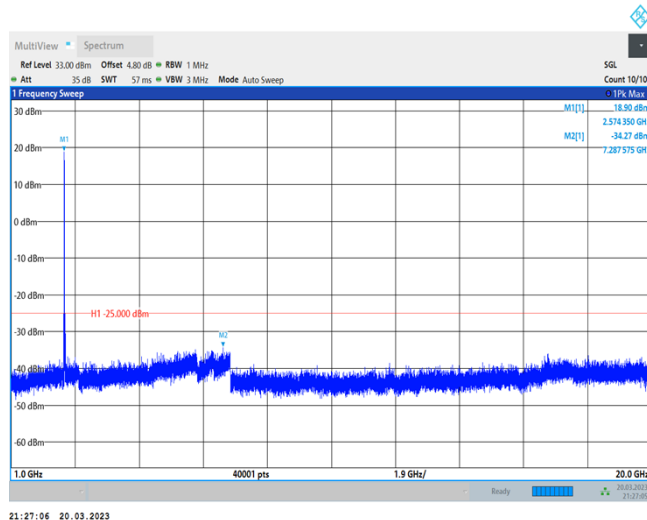
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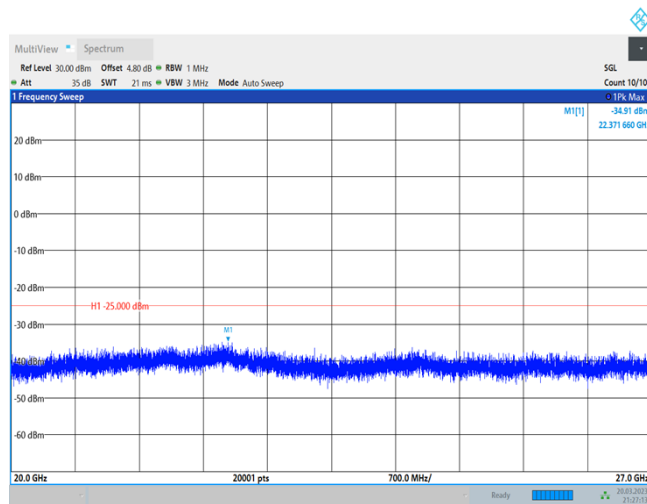
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21:27:06 20.03.2023

41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#0-0RB#0-20000~27000MHz



21:27:13 20.03.2023



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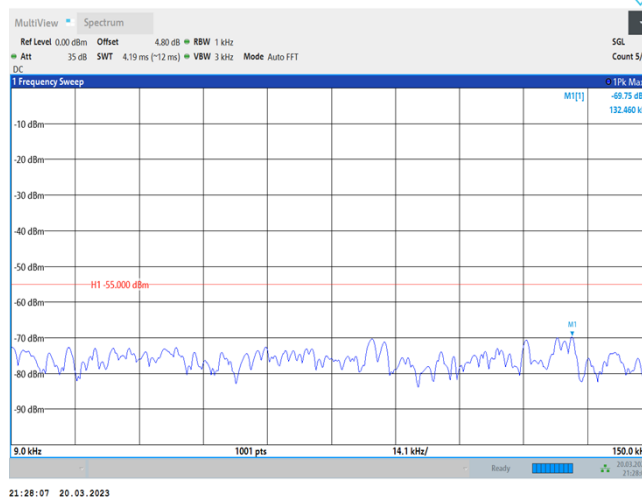
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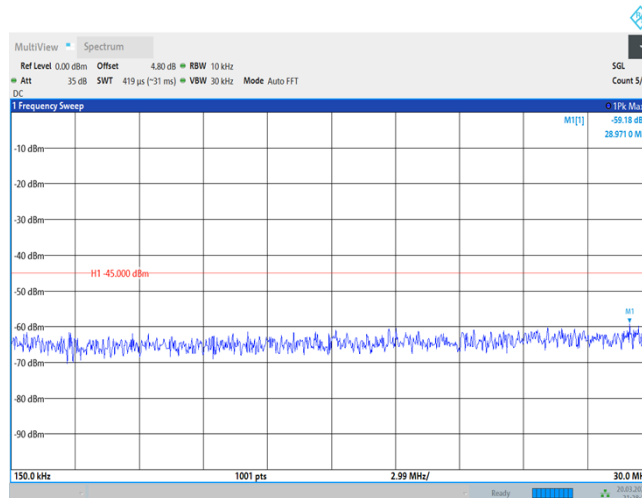
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-0.009~0.15MHz



21:28:07 20.03.2023

41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-0.15~30MHz



21:28:14 20.03.2023



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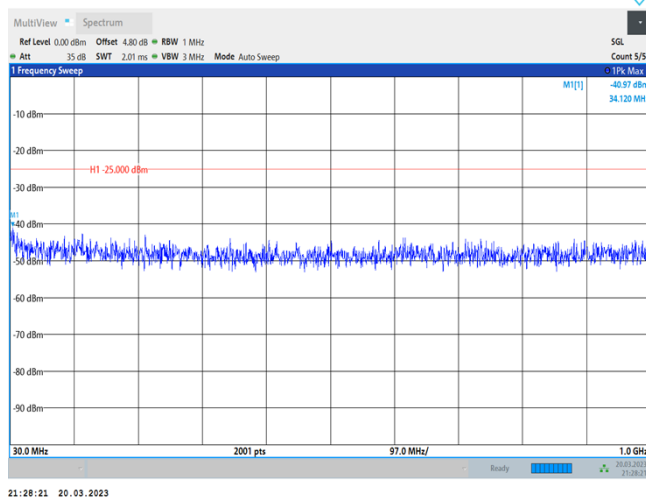
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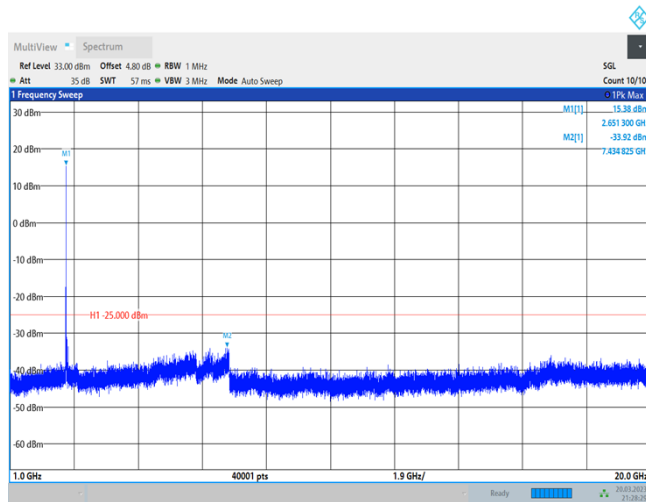
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-30~1000MHz



21:28:21 20.03.2023

41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-1000~20000MHz



21:28:29 20.03.2023



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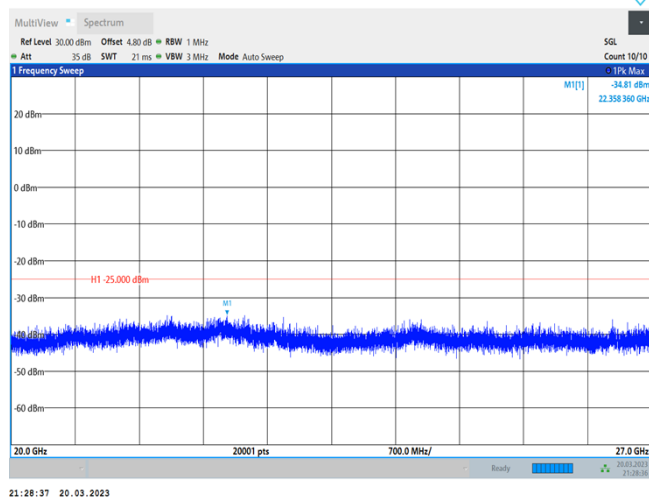
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Field Strength of Spurious Radiation

Test Band = LTE Band 41C_ 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	4994.1800	59.77	-45.63	32.86	-48.26	-25.00	23.26	152	357	Horizontal
2	7491	47.80	-43.16	36.44	-54.18	-25.00	29.18	134	360	Horizontal
3	9988.3600	39.68	-39.25	38.47	-56.36	-25.00	31.36	216	181	Horizontal
4	12485.4500	31.92	-37.04	39.16	-61.22	-25.00	36.22	205	4	Horizontal
5	14982.5400	30.66	-34.64	39.26	-59.98	-25.00	34.98	159	74	Horizontal
6	17479.6300	31.74	-35.10	39.13	-59.49	-25.00	34.49	266	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	4994.1800	69.12	-45.63	32.86	-38.91	-25.00	13.91	309	299	Vertical
2	7491	54.06	-43.16	36.44	-47.92	-25.00	22.92	281	120	Vertical
3	9987.75	48.29	-39.25	38.47	-47.75	-25.00	22.75	167	118	Vertical
4	12485.4500	32.27	-37.04	39.16	-60.87	-25.00	35.87	245	360	Vertical
5	14982.5400	30.10	-34.64	39.26	-60.54	-25.00	35.54	189	181	Vertical
6	17479.6300	31.72	-35.10	39.13	-59.51	-25.00	34.51	256	104	Vertical



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Test Band = LTE Band 41C_ 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	5148.3800	58.99	-45.33	32.96	-48.63	-25.00	23.63	147	93	Horizontal
2	7722.5700	40.22	-42.94	36.63	-61.35	-25.00	36.35	205	360	Horizontal
3	10296.7600	34.02	-39.10	38.83	-61.51	-25.00	36.51	296	184	Horizontal
4	12870.9500	32.59	-37.03	39.70	-60.00	-25.00	35.00	183	345	Horizontal
5	15445.1400	31.26	-34.35	38.65	-59.70	-25.00	34.70	277	331	Horizontal
6	17752.5	35.24	-34.35	40.51	-53.85	-25.00	28.85	142	322	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	5148.3800	66.14	-45.33	32.96	-41.48	-25.00	16.48	215	120	Vertical
2	7722.5700	45.51	-42.94	36.63	-56.06	-25.00	31.06	269	74	Vertical
3	10296.75	43.77	-39.10	38.83	-51.76	-25.00	26.76	288	320	Vertical
4	12870.9500	32.06	-37.03	39.70	-60.53	-25.00	35.53	230	319	Vertical
5	15445.1400	30.38	-34.35	38.65	-60.58	-25.00	35.58	156	354	Vertical
6	17920.5	34.57	-34.52	41.68	-53.53	-25.00	28.53	132	347	Vertical



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Test Band = LTE Band 41C_ 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	5302.5	59.32	-45.10	32.89	-48.14	-25.00	23.14	178	359	Horizontal
2	7953.8700	38.30	-42.56	36.96	-62.57	-25.00	37.57	216	352	Horizontal
3	10605.1600	34.11	-38.44	39.06	-60.52	-25.00	35.52	259	268	Horizontal
4	13256.4500	31.88	-37.02	39.99	-60.41	-25.00	35.41	148	194	Horizontal
5	15907.5400	30.55	-34.35	38.02	-61.04	-25.00	36.04	265	179	Horizontal
6	17745	34.61	-34.30	40.47	-54.48	-25.00	29.48	173	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	5302.5	64.39	-45.10	32.89	-43.07	-25.00	18.07	187	134	Vertical
2	7953.75	43.17	-42.57	36.96	-57.70	-25.00	32.70	241	179	Vertical
3	10605	43.25	-38.44	39.06	-51.39	-25.00	26.39	159	88	Vertical
4	13256.4500	31.08	-37.02	39.99	-61.21	-25.00	36.21	291	295	Vertical
5	15907.5400	30.66	-34.35	38.02	-60.93	-25.00	35.93	137	295	Vertical
6	17919.75	35.09	-34.52	41.68	-53.02	-25.00	28.02	164	179	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
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	VH	NT	35.80	0.013859	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	VL	NT	46.70	0.018079	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	VN	NT	38.60	0.014943	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	50	41.00	0.015872	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	40	36.50	0.014130	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	30	44.80	0.017344	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	20	28.30	0.010956	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	10	29.60	0.011459	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	0	43.40	0.016802	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	-10	39.10	0.015137	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	-20	33.30	0.012891	PASS
41-41	20MHz-20MHz	QPSK -QPSK	40521-40719	100RB#0-100RB#0	NV	-30	36.60	0.014169	PASS

---End of Attachment---



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