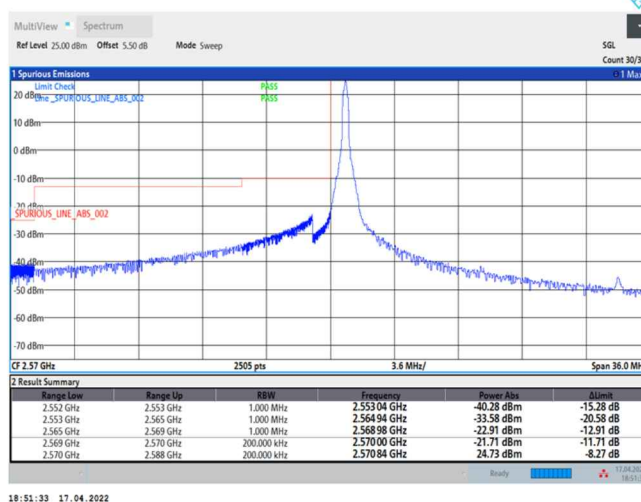


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Band38-15MHz-QPSK-37825-1RB#0



18:51:33 17.04.2022

Band38-15MHz-QPSK-37825-75RB#0



18:52:40 17.04.2022



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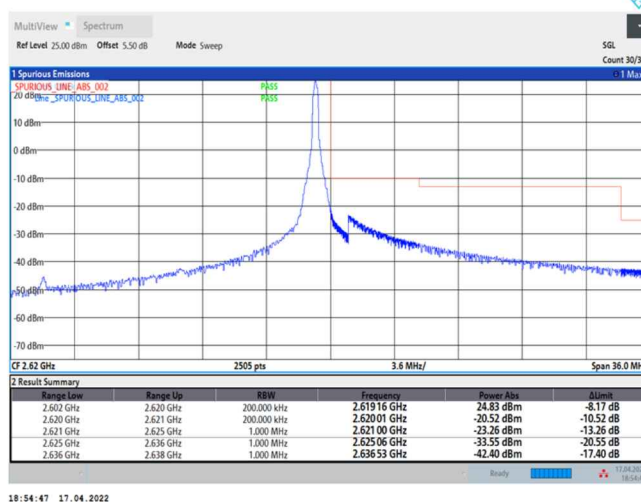
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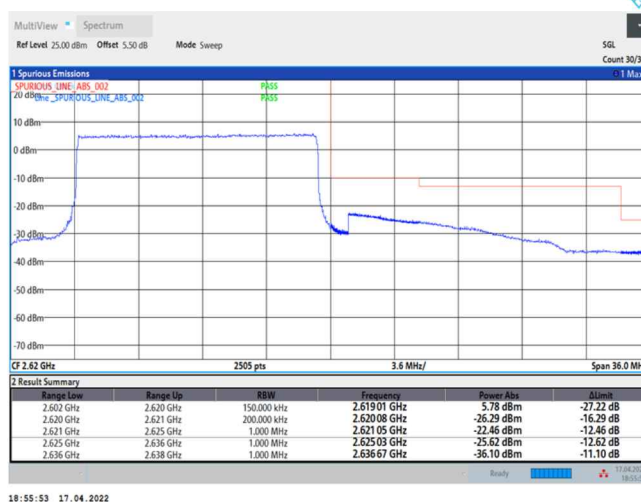
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Band38-15MHz-QPSK-38175-1RB#74



Band38-15MHz-QPSK-38175-75RB#0



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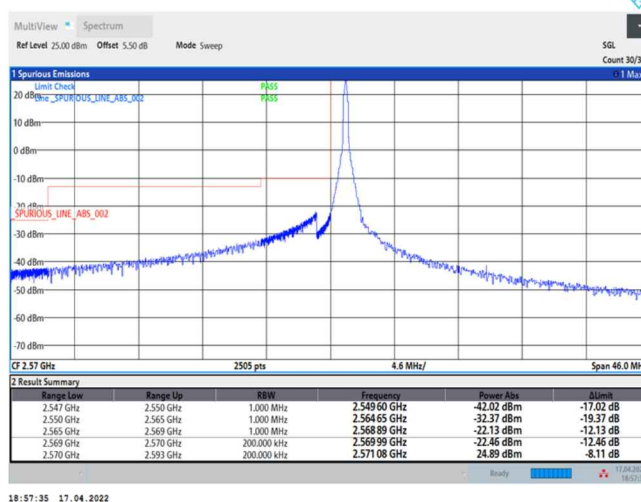
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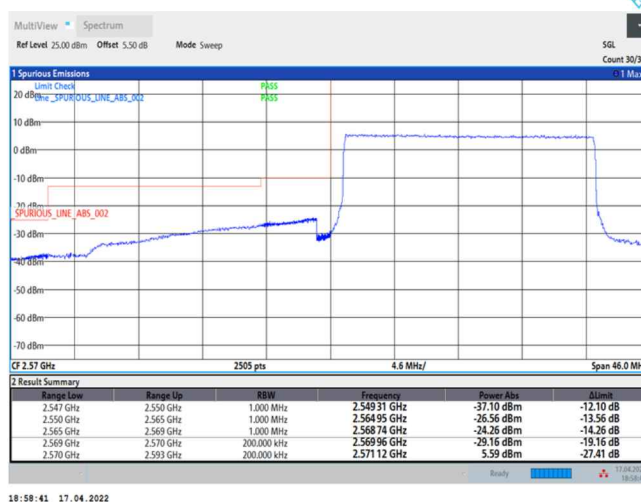
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Band38-20MHz-QPSK-37850-1RB#0



Band38-20MHz-QPSK-37850-100RB#0



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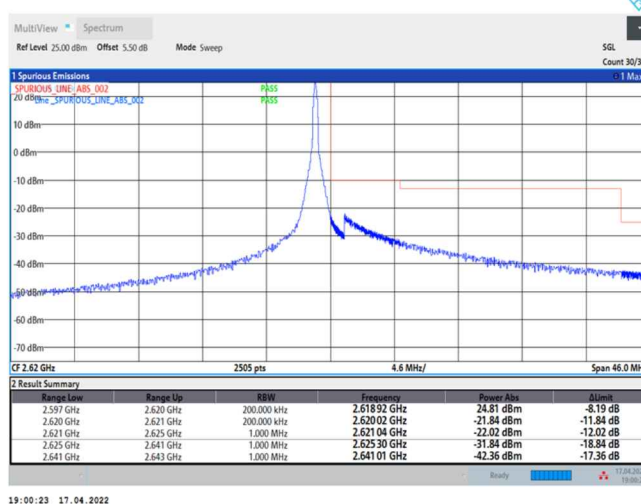
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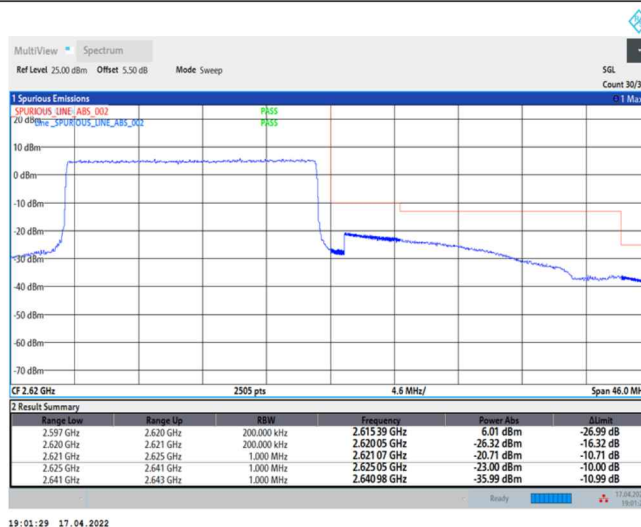
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Band38-20MHz-QPSK-38150-1RB#99



Band38-20MHz-QPSK-38150-100RB#0



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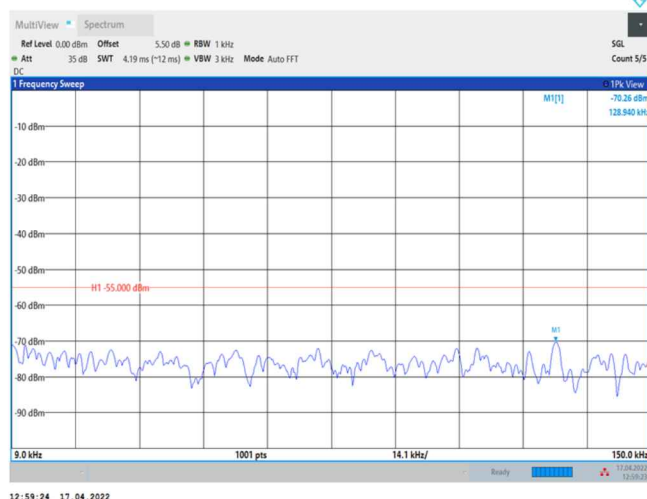
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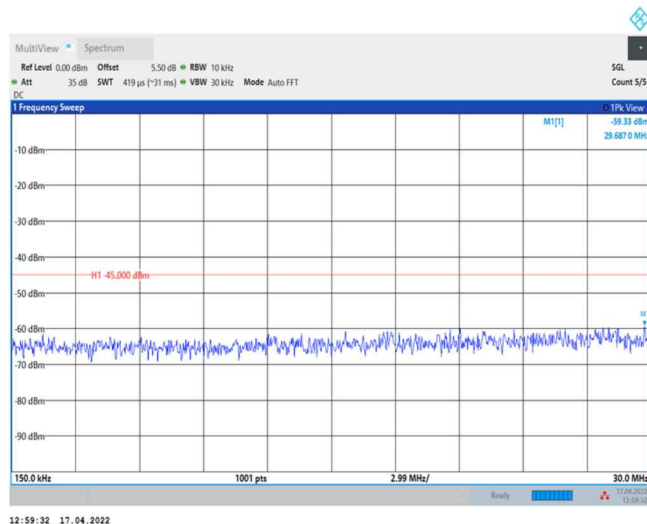
Conducted Spurious Emission

Test Graphs

Band38-20MHz-QPSK-37850-1RB#0-Range1:0.009~0.15MHz



Band38-20MHz-QPSK-37850-1RB#0-Range2:0.15~30MHz



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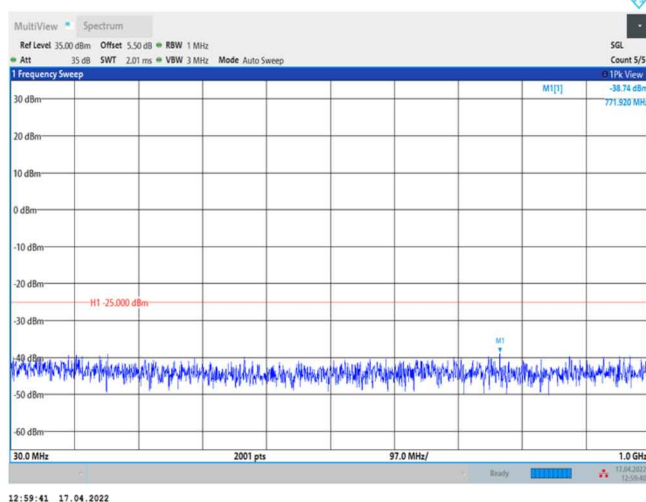
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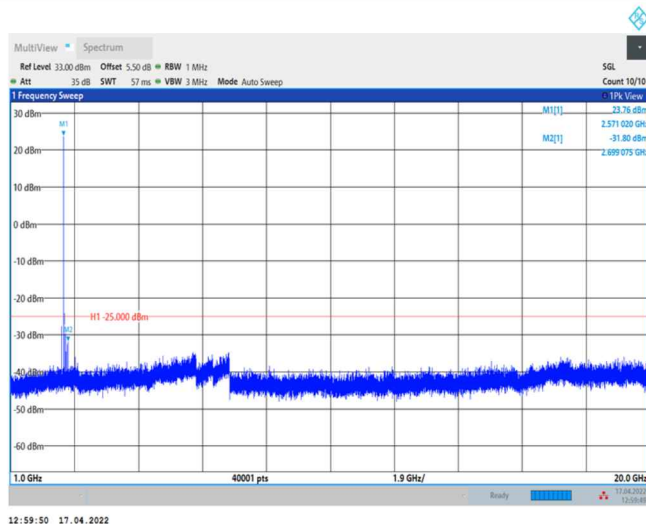
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Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



Band38-20MHz-QPSK-37850-1RB#0-Range4:1000~20000MHz



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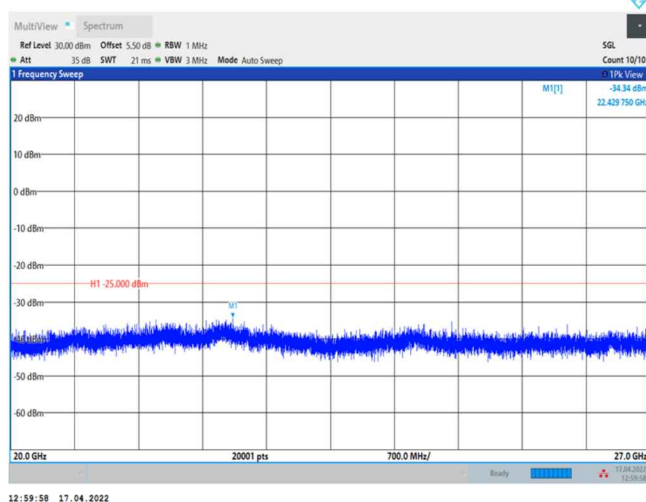
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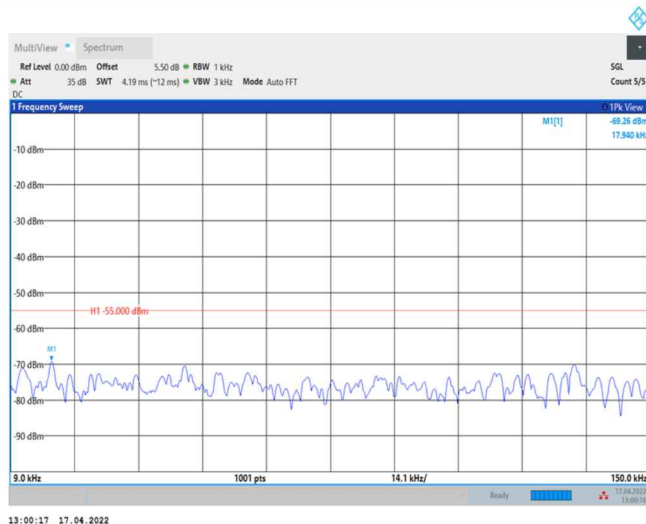
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Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



Band38-20MHz-QPSK-38000-1RB#0-Range1:0.009~0.15MHz



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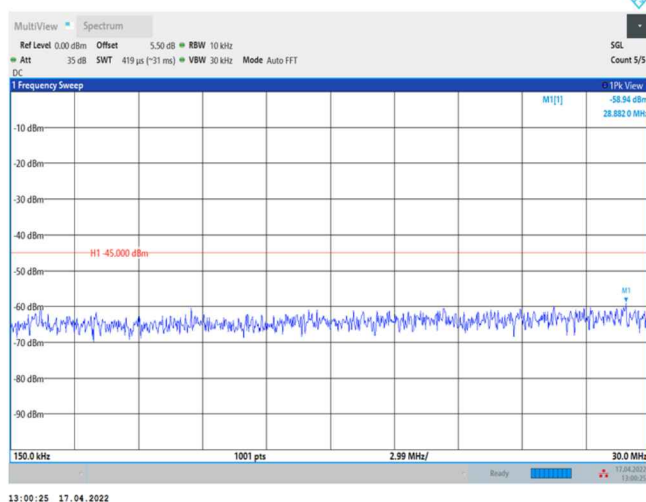
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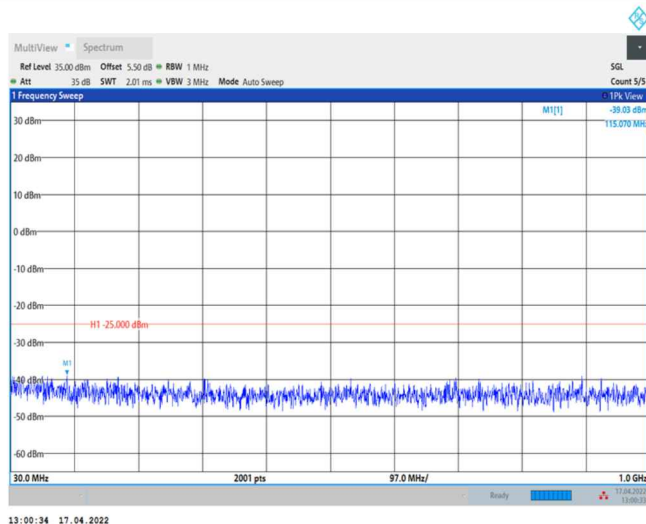
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Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



Band38-20MHz-QPSK-38000-1RB#0-Range3:30~1000MHz



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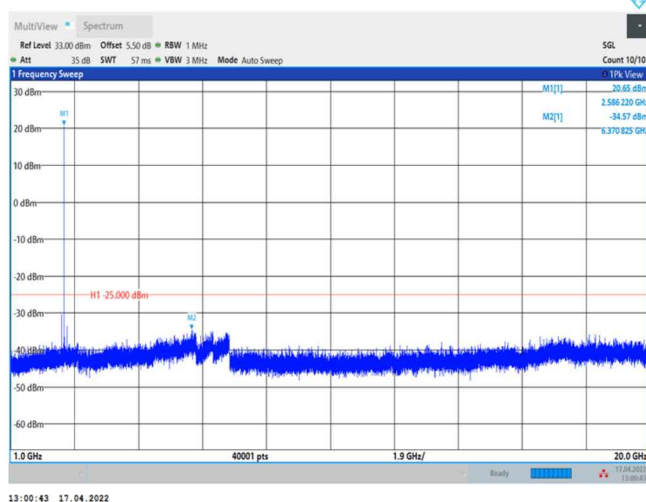
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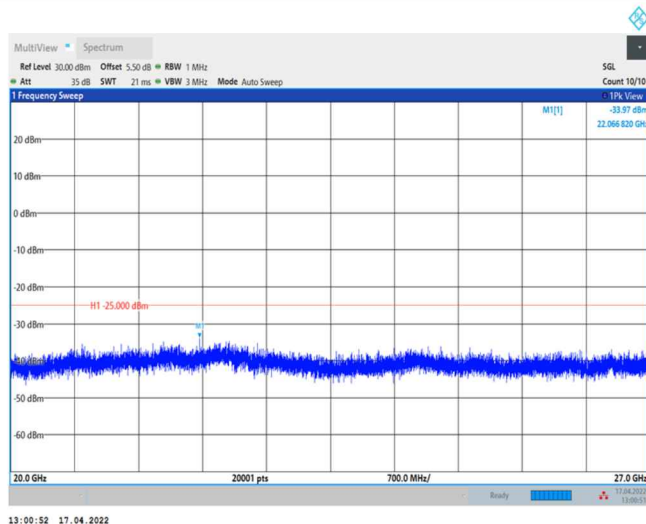
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Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



Band38-20MHz-QPSK-38000-1RB#0-Range5:20000~27000MHz



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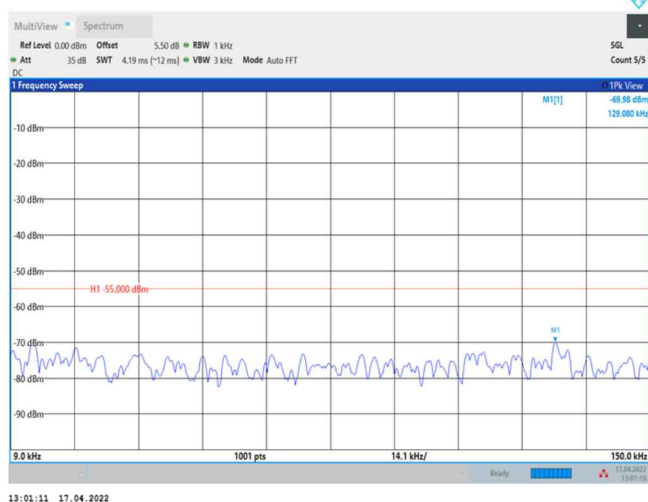
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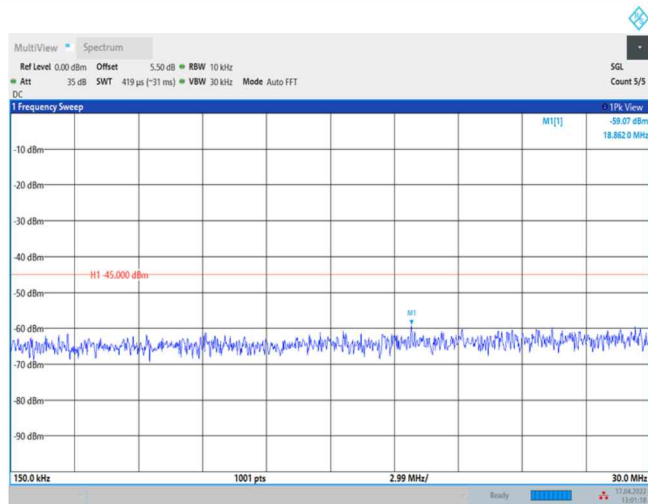
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Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



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Band38-20MHz-QPSK-38150-1RB#0-Range2:0.15~30MHz



13:01:19 17.04.2022



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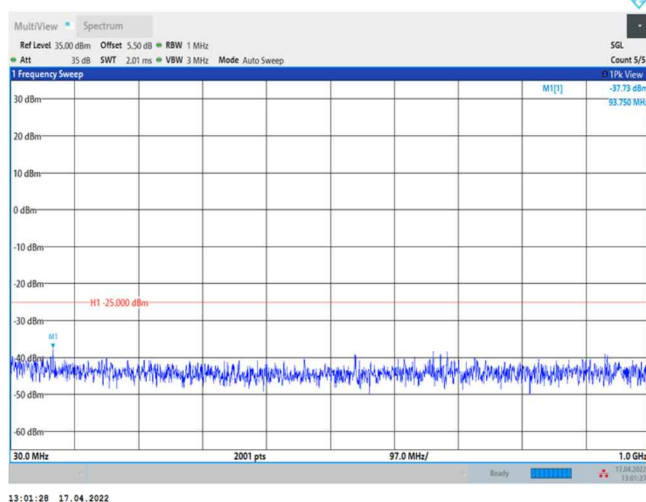
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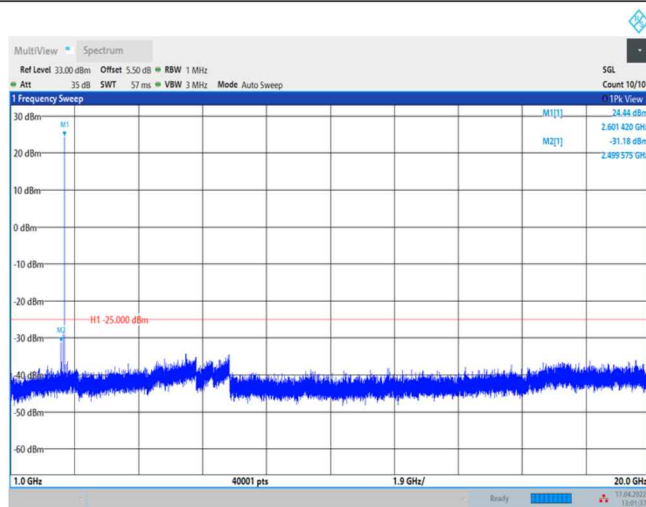
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Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



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Band38-20MHz-QPSK-38150-1RB#0-Range4:1000~20000MHz



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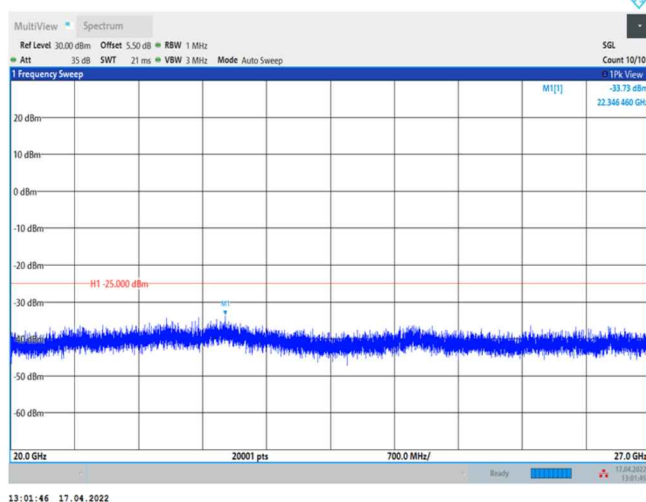
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Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 38_ 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	5142.1800	39.89	-45.33	31.74	-68.96	-25.00	43.96	Horizontal
2	7713.2700	37.19	-43.01	36.69	-64.40	-25.00	39.40	Horizontal
3	10284.3600	29.84	-39.15	38.34	-66.23	-25.00	41.23	Horizontal
4	12855.4500	26.29	-36.99	39.06	-66.90	-25.00	41.90	Horizontal
5	15426.5400	24.14	-34.00	40.40	-64.71	-25.00	39.71	Horizontal
6	17997.6300	26.63	-34.58	46.79	-56.42	-25.00	31.42	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.1800	40.52	-45.33	31.74	-68.33	-25.00	43.33	Vertical
2	7713.2700	37.44	-43.01	36.69	-64.15	-25.00	39.15	Vertical
3	10284.3600	29.97	-39.15	38.34	-66.10	-25.00	41.10	Vertical
4	12855.4500	26.14	-36.99	39.06	-67.05	-25.00	42.05	Vertical
5	15426.5400	23.42	-34.00	40.40	-65.43	-25.00	40.43	Vertical
6	17997.6300	26.35	-34.58	46.79	-56.70	-25.00	31.70	Vertical



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Test Band = LTE Band 38_ 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	5172.1800	42.35	-45.30	31.81	-66.40	-25.00	41.40	Horizontal
2	7758.2700	37.41	-42.65	36.70	-63.79	-25.00	38.79	Horizontal
3	10344.3600	30.02	-39.05	38.37	-65.92	-25.00	40.92	Horizontal
4	12930.4500	25.33	-37.18	39.08	-68.03	-25.00	43.03	Horizontal
5	15516.5400	22.90	-35.30	40.21	-67.45	-25.00	42.45	Horizontal
6	17203.5	29.46	-35.01	43.22	-57.59	-25.00	32.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5172.1800	40.73	-45.30	31.81	-68.02	-25.00	43.02	Vertical
2	7758.2700	39.42	-42.65	36.70	-61.78	-25.00	36.78	Vertical
3	10344.3600	30.63	-39.05	38.37	-65.31	-25.00	40.31	Vertical
4	12930.4500	26.07	-37.18	39.08	-67.29	-25.00	42.29	Vertical
5	15516.5400	23.71	-35.30	40.21	-66.64	-25.00	41.64	Vertical
6	17687.5	27.65	-33.93	45.39	-56.15	-25.00	31.15	Vertical



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Test Band = LTE Band 38_ 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	5202.1800	41.21	-45.28	31.89	-67.44	-25.00	42.44	Horizontal
2	7803.2700	37.43	-42.33	36.72	-63.44	-25.00	38.44	Horizontal
3	10404.3600	30.07	-39.00	38.40	-65.79	-25.00	40.79	Horizontal
4	13005.4500	26.57	-37.31	39.11	-66.89	-25.00	41.89	Horizontal
5	15606.5400	22.99	-34.87	40.03	-67.12	-25.00	42.12	Horizontal
6	17753	29.51	-34.35	45.69	-54.41	-25.00	29.41	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5202.1800	40.65	-45.28	31.89	-68.00	-25.00	43.00	Vertical
2	7803.2700	38.38	-42.33	36.72	-62.49	-25.00	37.49	Vertical
3	10404.3600	30.17	-39.00	38.40	-65.69	-25.00	40.69	Vertical
4	13005.4500	25.59	-37.31	39.11	-67.87	-25.00	42.87	Vertical
5	15606.5400	23.34	-34.87	40.03	-66.77	-25.00	41.77	Vertical
6	17848.5	29.67	-34.57	46.12	-54.04	-25.00	29.04	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
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-0.70	-0.000270	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-1.60	-0.000617	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-1.40	-0.000539	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-0.20	-0.000077	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-1.90	-0.000732	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	0.90	0.000347	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	0.50	0.000193	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-1.40	-0.000539	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	0.30	0.000116	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-1.90	-0.000732	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-2.50	-0.000963	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	0.00	0.000000	PASS

---End of Attachment---



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