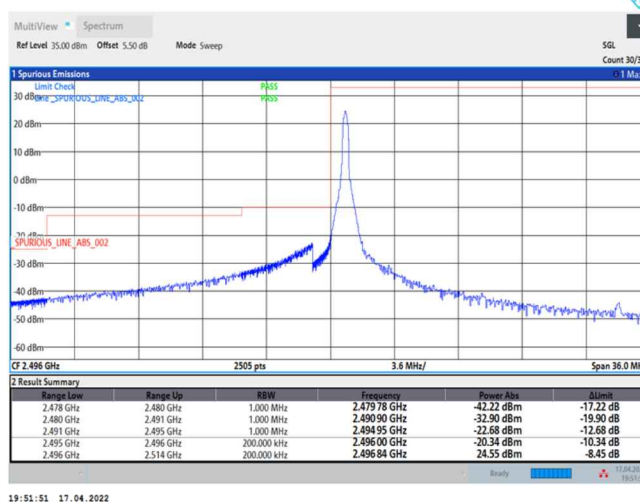


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Band41-15MHz-QPSK-39725-1RB#0



19:51:51 17.04.2022

Band41-15MHz-QPSK-39725-75RB#0



19:54:06 17.04.2022



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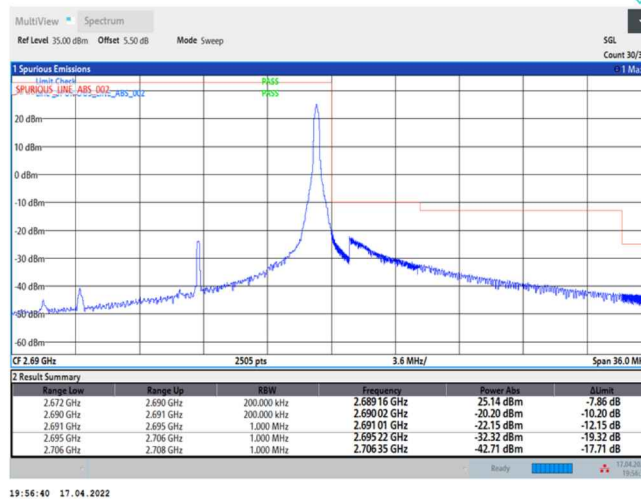
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Band41-15MHz-QPSK-41515-1RB#74



19:56:40 17.04.2022

Band41-15MHz-QPSK-41515-75RB#0



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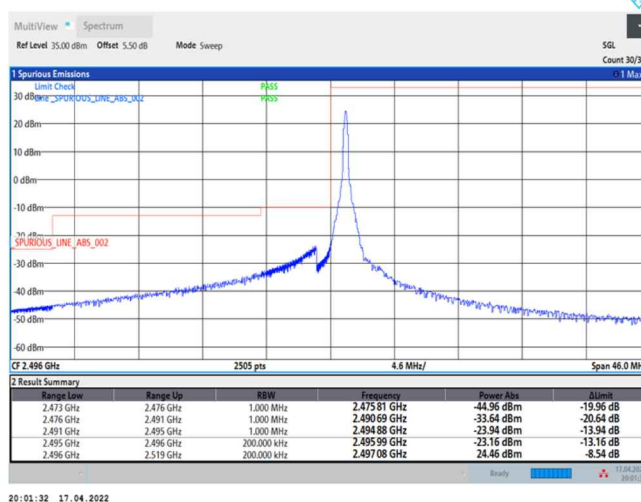
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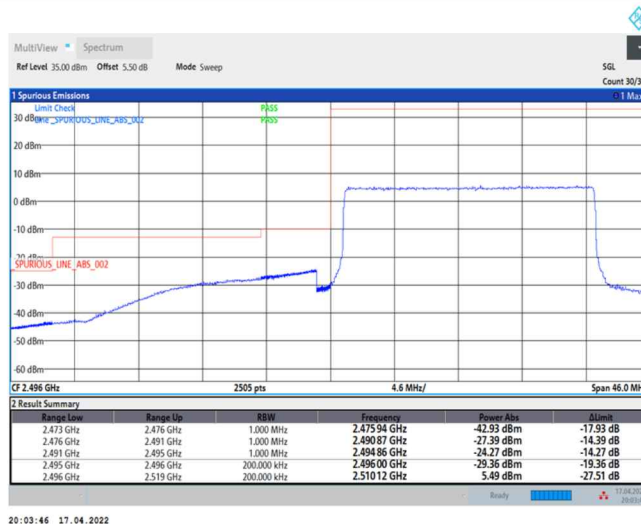
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Band41-20MHz-QPSK-39750-1RB#0



Band41-20MHz-QPSK-39750-100RB#0



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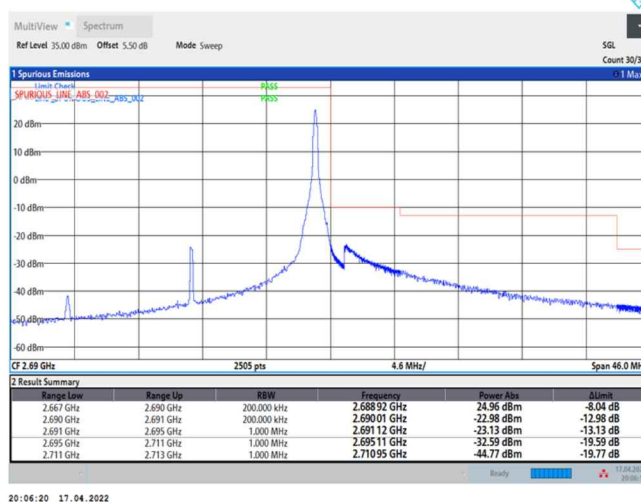
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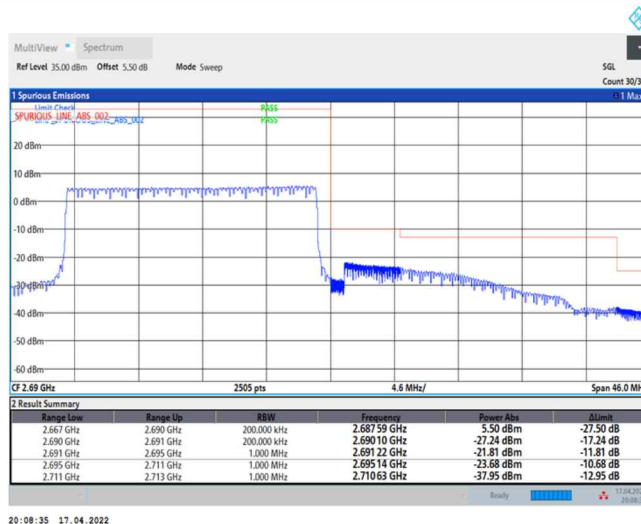
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Band41-20MHz-QPSK-41490-1RB#99



Band41-20MHz-QPSK-41490-100RB#0



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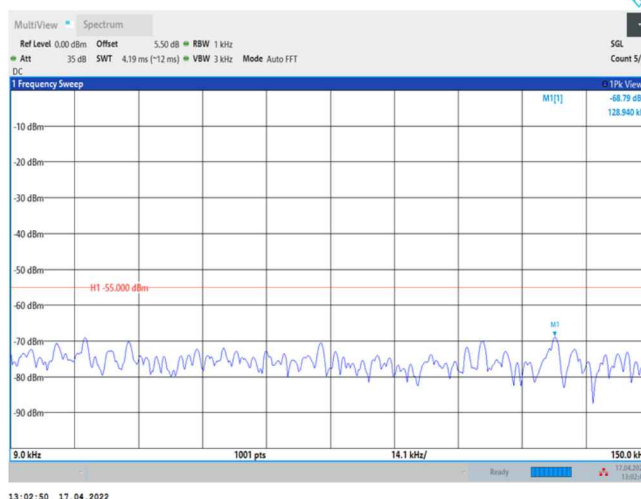
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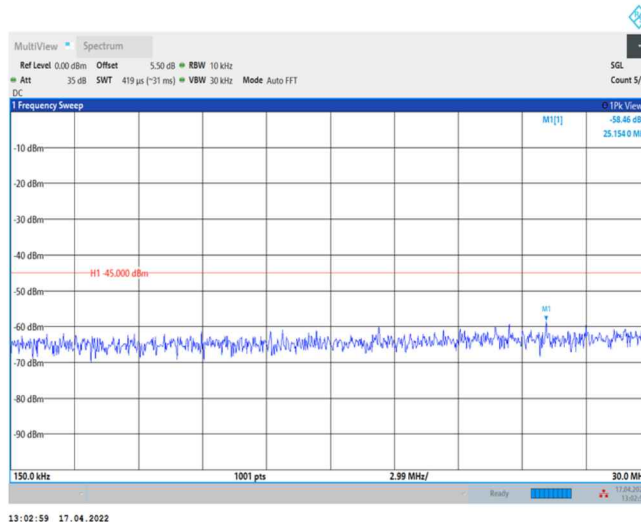
Conducted Spurious Emission

Test Graphs

Band41-20MHz-QPSK-39750-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-39750-1RB#0-Range2:0.15~30MHz



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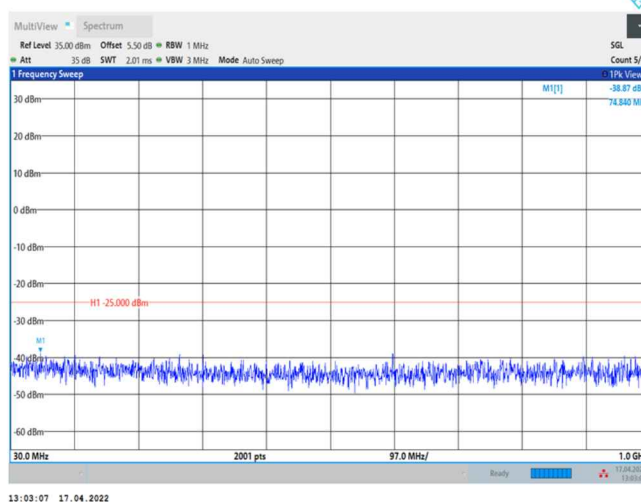
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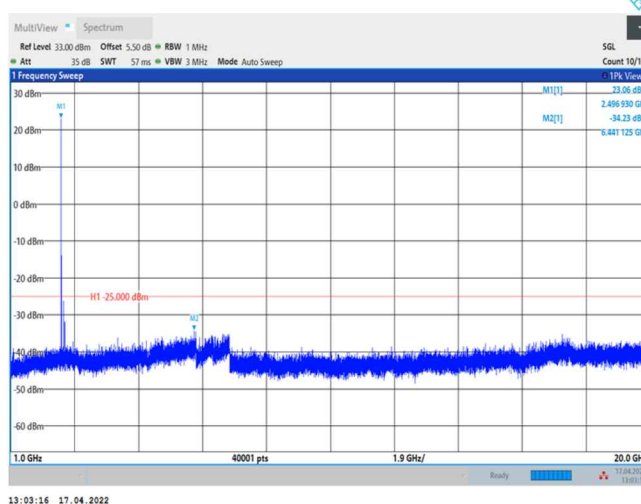
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



Band41-20MHz-QPSK-39750-1RB#0-Range4:1000~20000MHz



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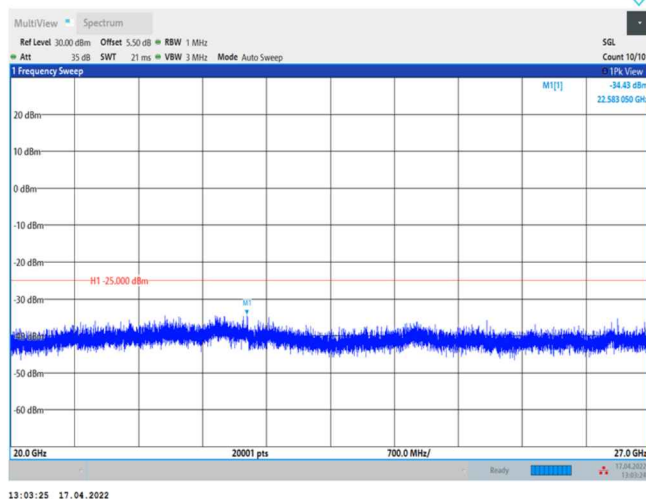
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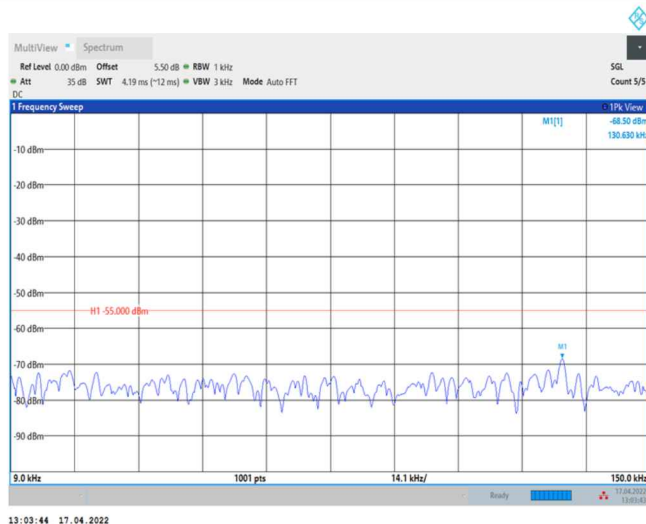
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



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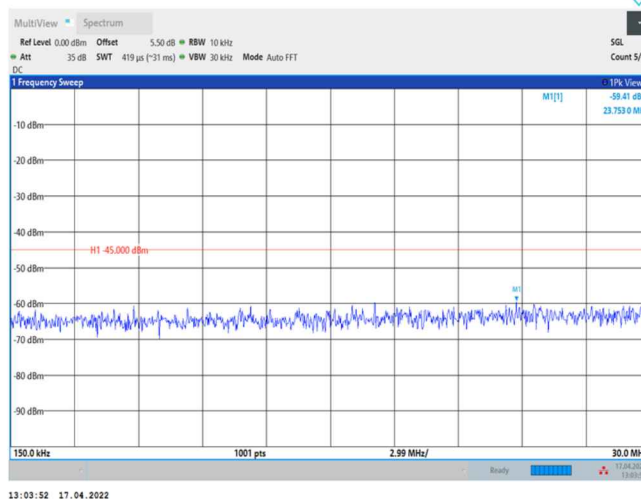
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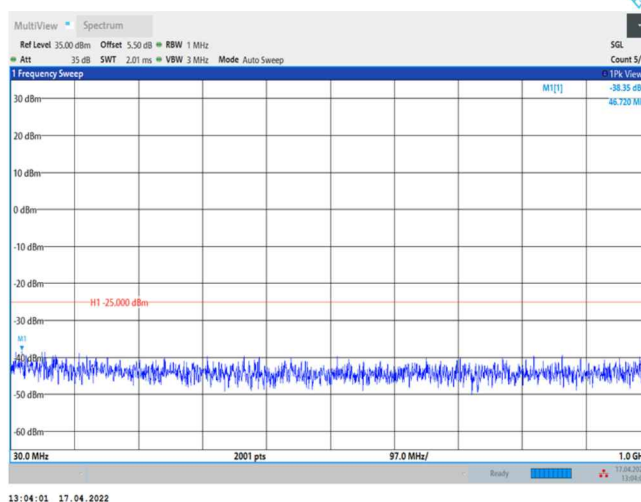
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz



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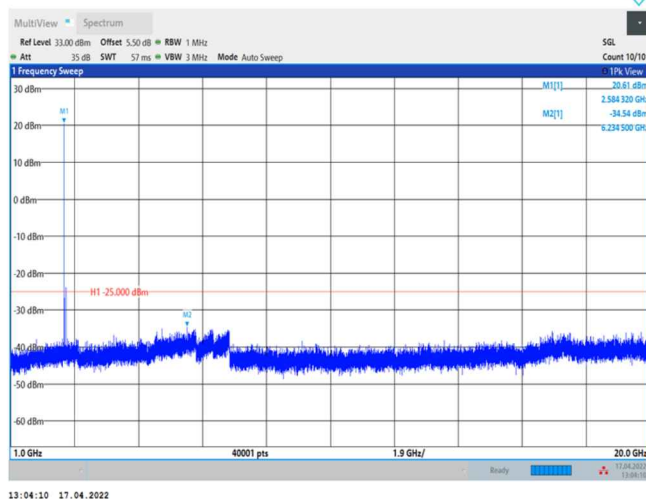
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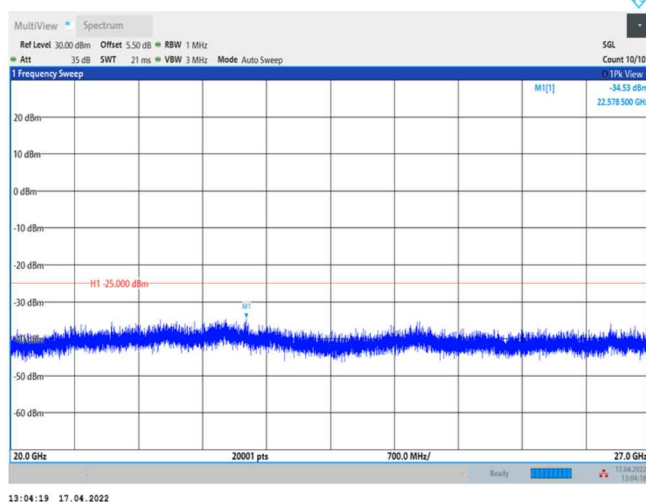
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Band41-20MHz-QPSK-40620-1RB#0-Range5:20000~27000MHz



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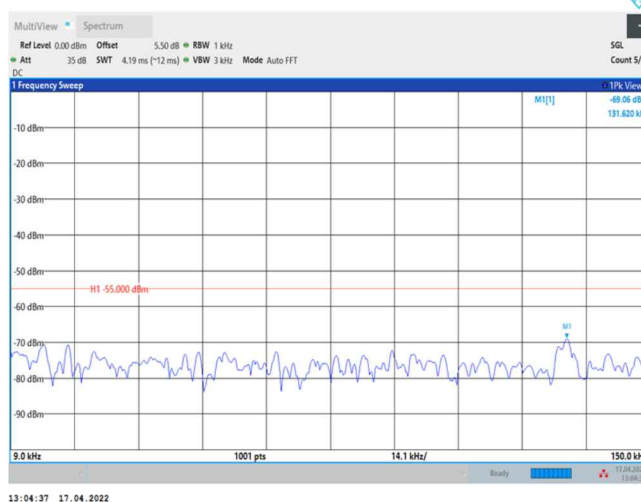
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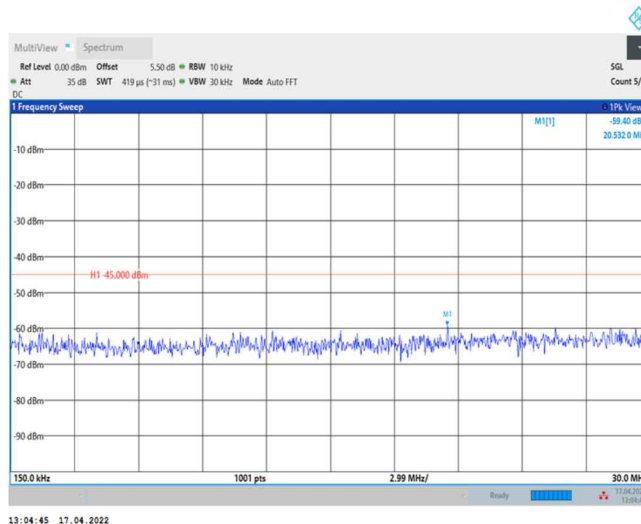
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



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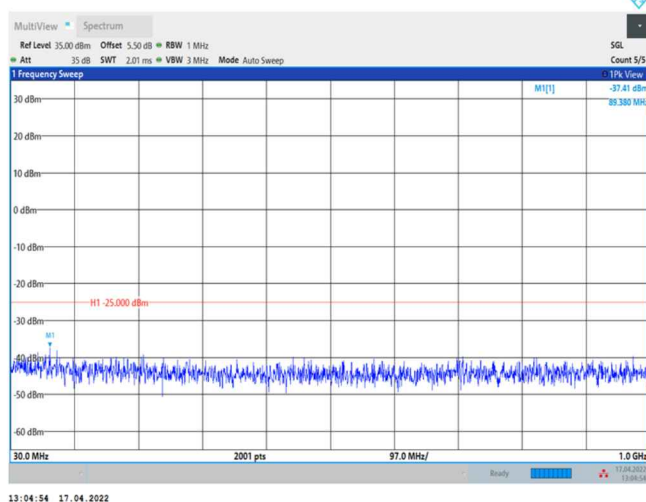
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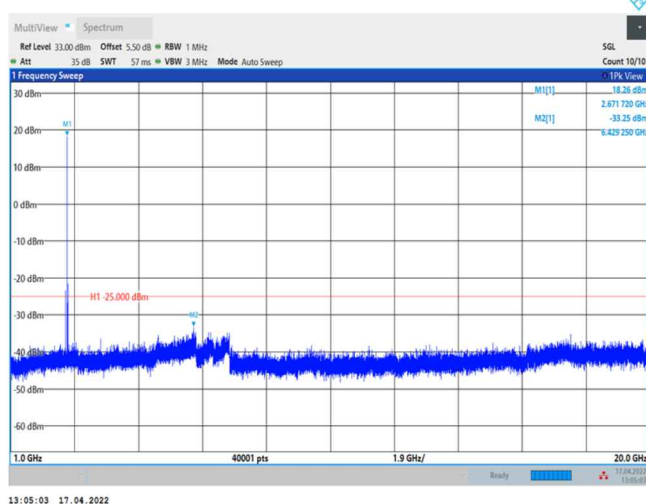
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Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



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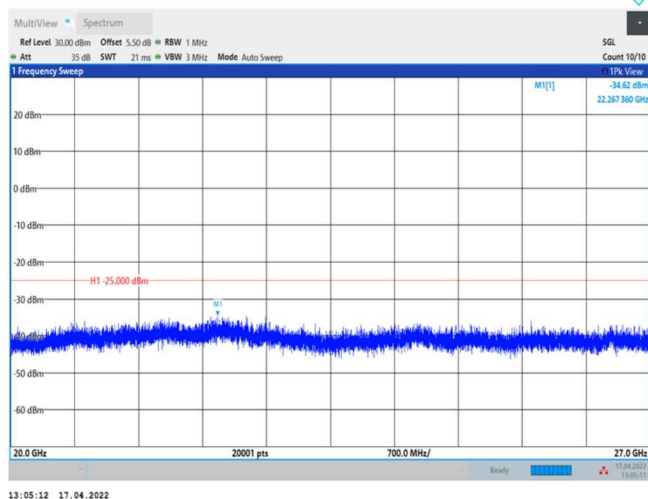
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Field Strength of Spurious Radiation

Test Band = LTE Band 41_ 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	4994.1800	41.87	-45.63	31.39	-67.64	-25.00	42.64	Horizontal
2	7491.2700	38.36	-43.16	36.58	-63.49	-25.00	38.49	Horizontal
3	9988.3600	32.19	-39.25	38.18	-64.14	-25.00	39.14	Horizontal
4	12485.4500	26.34	-37.04	38.95	-67.01	-25.00	42.01	Horizontal
5	14982.5400	24.27	-34.64	41.29	-64.34	-25.00	39.34	Horizontal
6	17479.6300	25.95	-35.10	44.46	-59.95	-25.00	34.95	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	41.39	-45.63	31.39	-68.12	-25.00	43.12	Vertical
2	7491.2700	37.75	-43.16	36.58	-64.10	-25.00	39.10	Vertical
3	9988.3600	31.14	-39.25	38.18	-65.19	-25.00	40.19	Vertical
4	12485.4500	26.41	-37.04	38.95	-66.94	-25.00	41.94	Vertical
5	14982.5400	23.54	-34.64	41.29	-65.07	-25.00	40.07	Vertical
6	17479.6300	26.50	-35.10	44.46	-59.40	-25.00	34.40	Vertical



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Test Band = LTE Band 41_ 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	5168.1800	40.04	-45.31	31.80	-68.72	-25.00	43.72	Horizontal
2	7752.2700	38.60	-42.69	36.70	-62.65	-25.00	37.65	Horizontal
3	10336.3600	31.76	-39.06	38.37	-64.19	-25.00	39.19	Horizontal
4	12920.4500	27.36	-37.16	39.08	-65.98	-25.00	40.98	Horizontal
5	15504.5400	23.86	-35.35	40.24	-66.51	-25.00	41.51	Horizontal
6	17575	28.31	-33.70	44.89	-55.76	-25.00	30.76	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5168.1800	41.94	-45.31	31.80	-66.82	-25.00	41.82	Vertical
2	7752.2700	38.75	-42.69	36.70	-62.50	-25.00	37.50	Vertical
3	10336.3600	30.98	-39.06	38.37	-64.97	-25.00	39.97	Vertical
4	12920.4500	26.48	-37.16	39.08	-66.86	-25.00	41.86	Vertical
5	15504.5400	24.55	-35.35	40.24	-65.82	-25.00	40.82	Vertical
6	17915.5	30.10	-34.52	46.42	-53.26	-25.00	28.26	Vertical



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Test Band = LTE Band 41_ 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	5342.1800	39.88	-45.18	32.22	-68.34	-25.00	43.34	Horizontal
2	8013.2700	36.90	-42.22	36.79	-63.78	-25.00	38.78	Horizontal
3	10684.3600	30.83	-37.97	38.54	-63.86	-25.00	38.86	Horizontal
4	13355.4500	26.36	-36.56	39.74	-65.72	-25.00	40.72	Horizontal
5	16026.5400	25.84	-34.85	39.28	-64.99	-25.00	39.99	Horizontal
6	17619.5	28.37	-33.39	45.09	-55.19	-25.00	30.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5342.1800	40.30	-45.18	32.22	-67.92	-25.00	42.92	Vertical
2	8013.2700	37.19	-42.22	36.79	-63.49	-25.00	38.49	Vertical
3	10684.3600	30.37	-37.97	38.54	-64.32	-25.00	39.32	Vertical
4	13355.4500	26.59	-36.56	39.74	-65.49	-25.00	40.49	Vertical
5	16026.5400	25.67	-34.85	39.28	-65.16	-25.00	40.16	Vertical
6	17579.5	28.20	-33.61	44.91	-55.77	-25.00	30.77	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
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	0.60	0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-1.60	-0.000617	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-2.70	-0.001041	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-1.40	-0.000540	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-0.30	-0.000116	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-2.60	-0.001003	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-0.40	-0.000154	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-0.50	-0.000193	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-2.20	-0.000848	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.30	-0.000501	PASS

---End of Attachment---



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