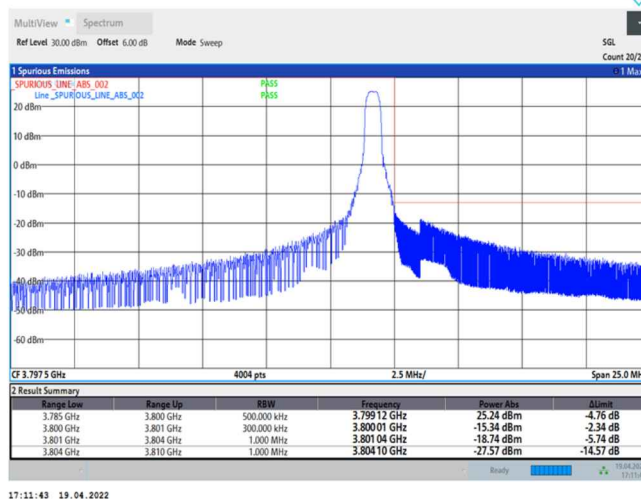


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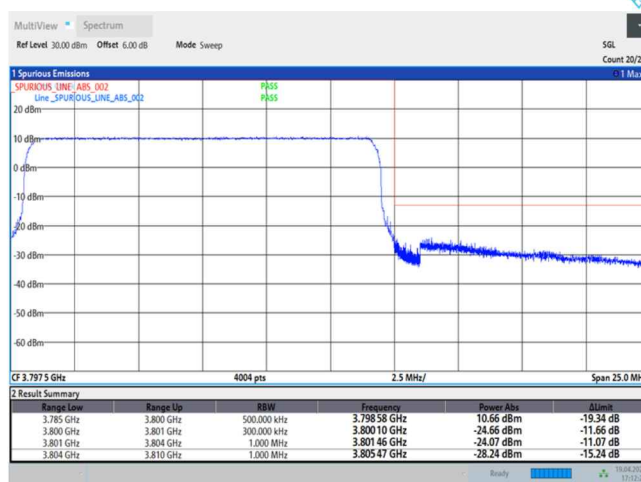
Page: 46 of 60

Band43-15MHz-QPSK-45515-1RB#74



17:11:43 19.04.2022

Band43-15MHz-QPSK-45515-75RB#0



17:12:27 19.04.2022



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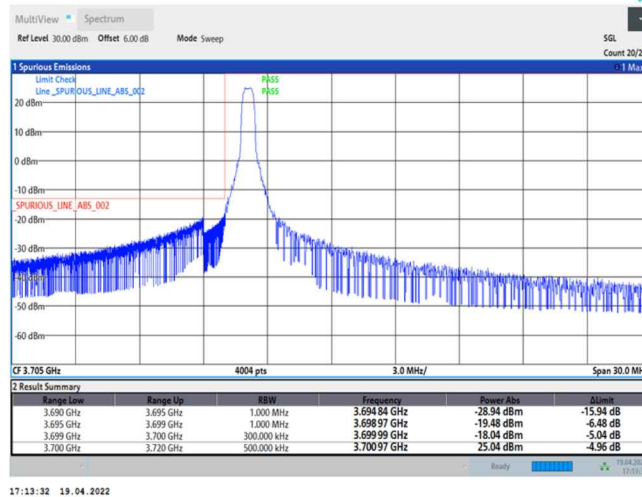
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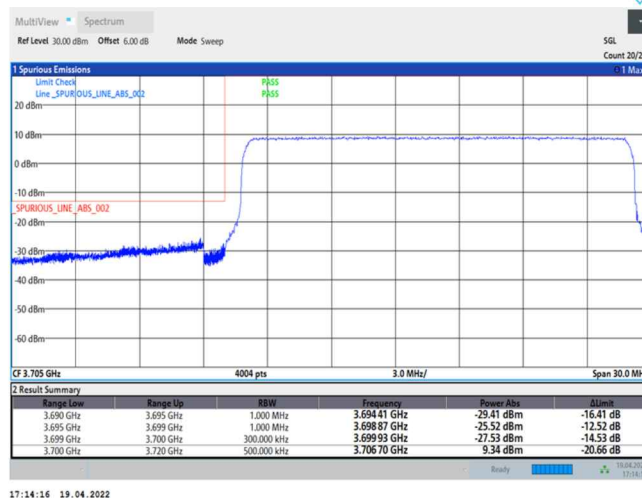
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Band43-20MHz-QPSK-44690-1RB#0



Band43-20MHz-QPSK-44690-100RB#0



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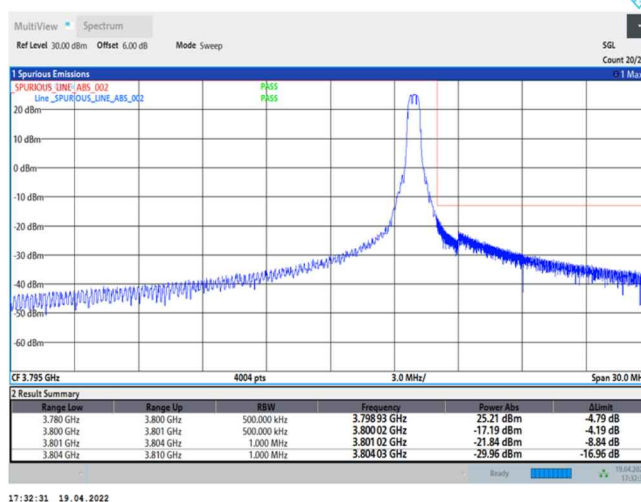
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Band43-20MHz-QPSK-45490-1RB#99



Band43-20MHz-QPSK-45490-100RB#0



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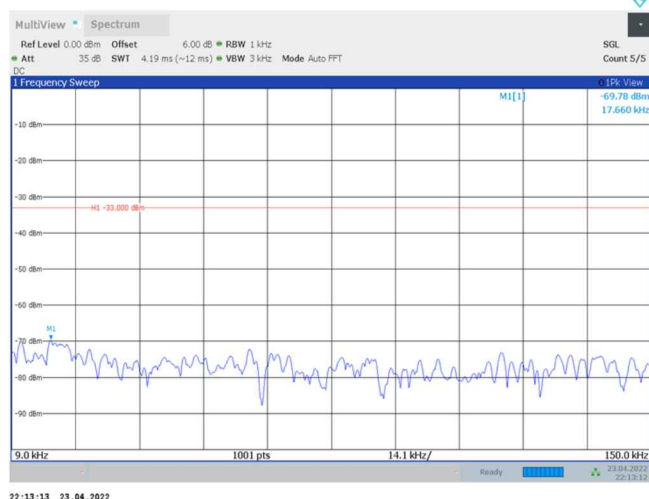
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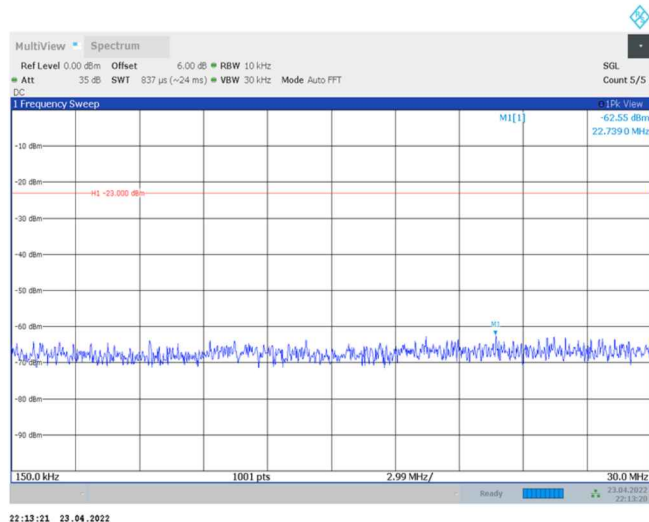
Conducted Spurious Emission

Test Graphs

Band43-20MHz-QPSK-44690-1RB#0-Range1:0.009~0.15MHz



Band43-20MHz-QPSK-44690-1RB#0-Range2:0.15~30MHz



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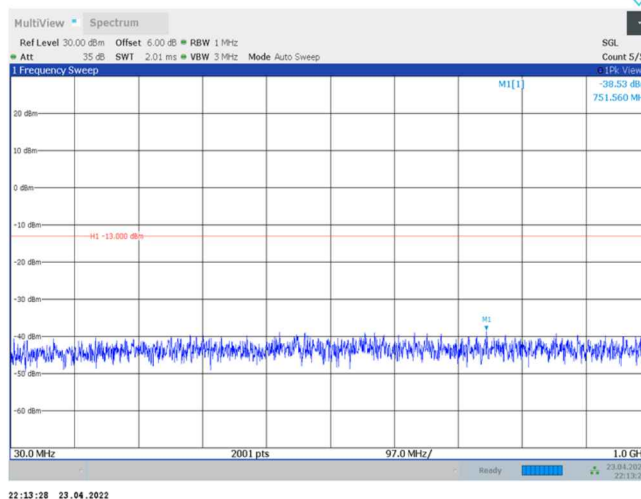
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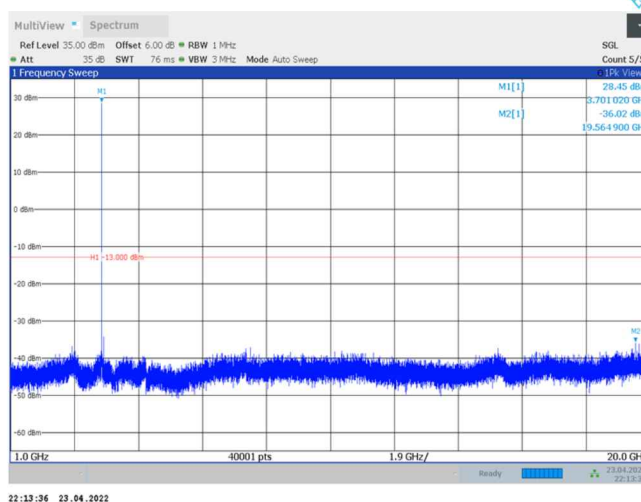
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Band43-20MHz-QPSK-44690-1RB#0-Range3:30~1000MHz



Band43-20MHz-QPSK-44690-1RB#0-Range4:1000~20000MHz



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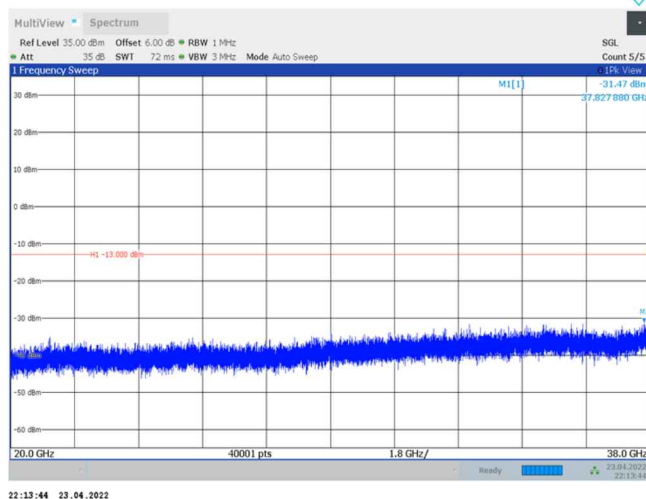
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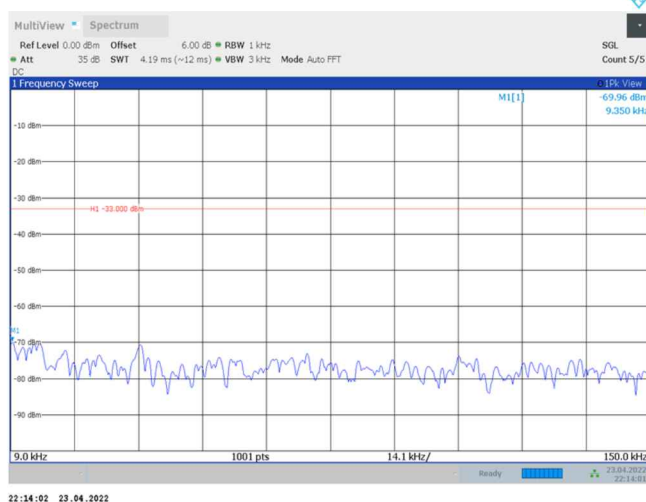
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Band43-20MHz-QPSK-44690-1RB#0-Range5:20000~38000MHz



Band43-20MHz-QPSK-45090-1RB#0-Range1:0.009~0.15MHz



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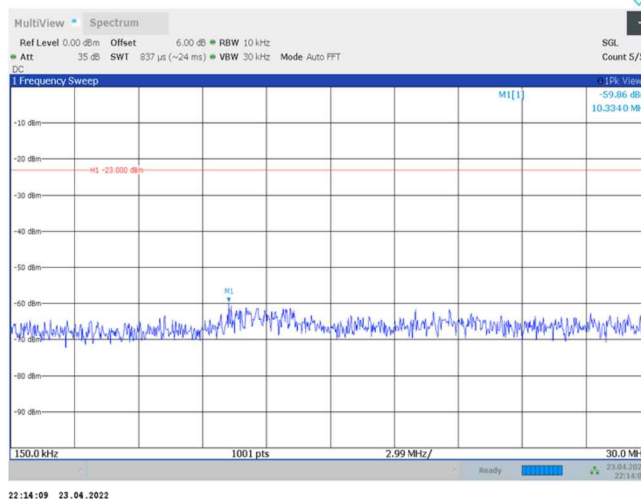
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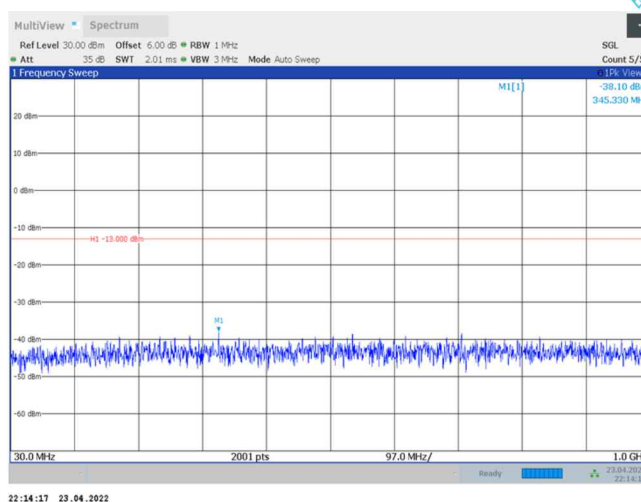
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Band43-20MHz-QPSK-45090-1RB#0-Range2:0.15~30MHz



Band43-20MHz-QPSK-45090-1RB#0-Range3:30~1000MHz



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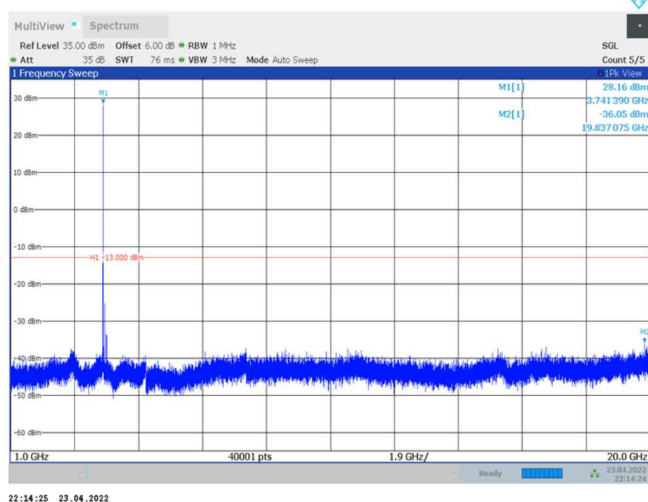
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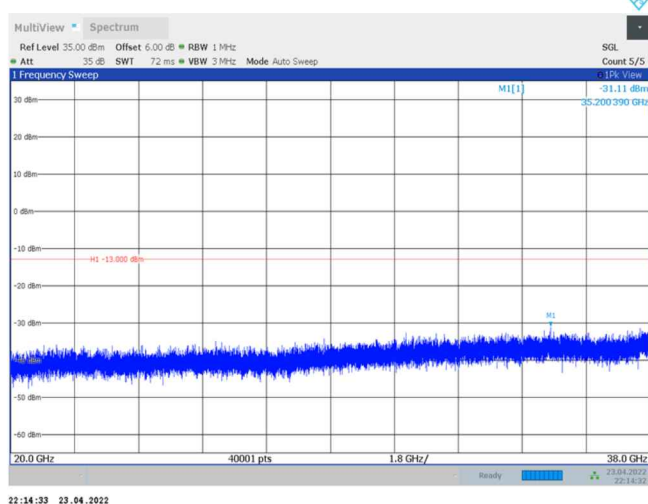
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Band43-20MHz-QPSK-45090-1RB#0-Range4:1000~20000MHz



Band43-20MHz-QPSK-45090-1RB#0-Range5:20000~38000MHz



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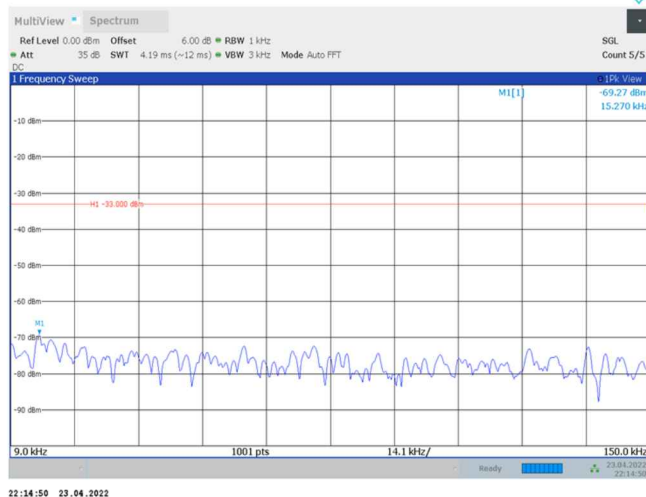
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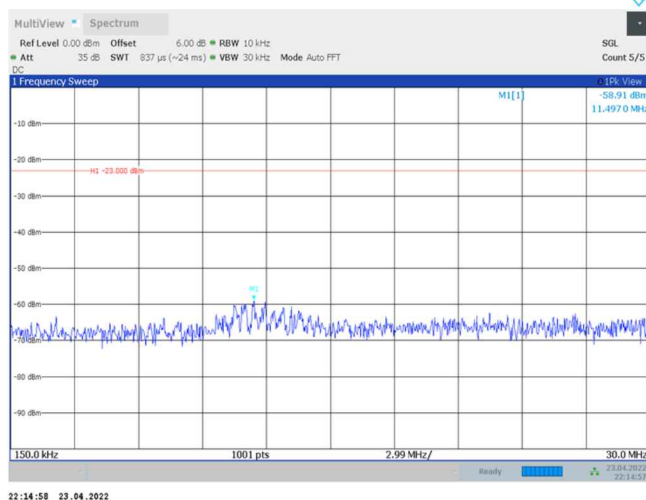
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Band43-20MHz-QPSK-45490-1RB#0-Range1:0.009~0.15MHz



Band43-20MHz-QPSK-45490-1RB#0-Range2:0.15~30MHz



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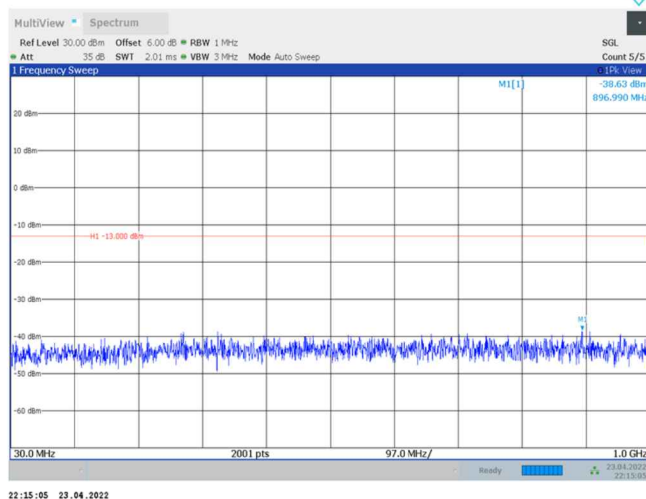
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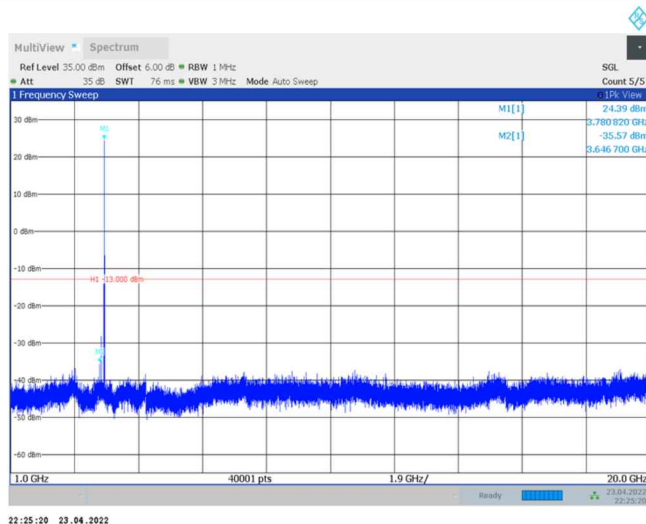
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Band43-20MHz-QPSK-45490-1RB#0-Range4:1000~20000MHz



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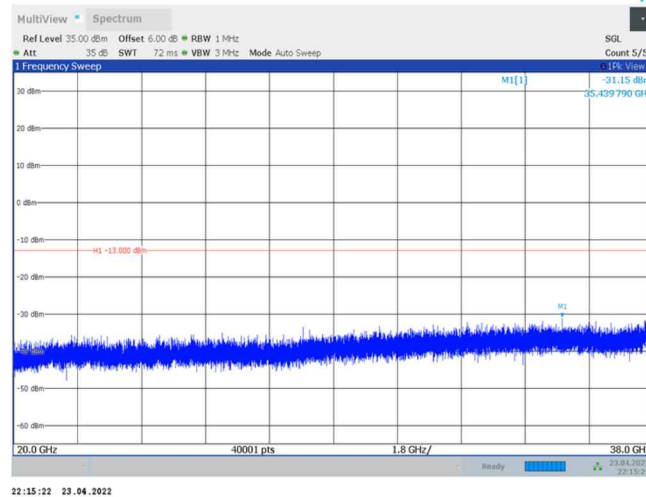
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Field Strength of Spurious Radiation

Test Band = LTE Band 43 3700-3800_ 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	7689.7708	43.87	-45.11	36.57	-59.93	-13.00	46.93	Horizontal
2	8861.8125	42.43	-43.67	37.41	-59.09	-13.00	46.09	Horizontal
3	10777.5208	39.76	-40.53	39.20	-56.83	-13.00	43.83	Horizontal
4	12422.5	37.83	-38.42	38.95	-56.91	-13.00	43.91	Horizontal
5	14178.1667	37.46	-38.28	40.76	-55.32	-13.00	42.32	Horizontal
6	17880.2083	35.55	-37.41	44.53	-52.59	-13.00	39.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7856.5208	43.43	-44.94	36.37	-60.40	-13.00	47.40	Vertical
2	9465.5625	41.91	-42.71	38.02	-58.04	-13.00	45.04	Vertical
3	11381.75	38.86	-39.85	39.32	-56.92	-13.00	43.92	Vertical
4	13921.8125	37.77	-38.51	40.72	-55.28	-13.00	42.28	Vertical
5	14761.7917	37.17	-37.78	40.29	-55.58	-13.00	42.58	Vertical
6	17961.6667	36.77	-37.09	45.05	-50.52	-13.00	37.52	Vertical



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Test Band = LTE Band 43 3700-3800_ 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	7392.2083	44.03	-45.60	36.54	-60.28	-13.00	47.28	Horizontal
2	8754	42.02	-43.78	37.26	-59.77	-13.00	46.77	Horizontal
3	10780.875	39.53	-40.52	39.20	-57.05	-13.00	44.05	Horizontal
4	12076.0625	38.59	-39.20	39.15	-56.71	-13.00	43.71	Horizontal
5	14185.8333	37.88	-38.23	40.75	-54.86	-13.00	41.86	Horizontal
6	17962.1458	36.50	-37.09	45.06	-50.79	-13.00	37.79	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7684.5	43.43	-45.10	36.58	-60.35	-13.00	47.35	Vertical
2	8758.7917	42.50	-43.79	37.26	-59.29	-13.00	46.29	Vertical
3	10297.875	39.76	-41.10	38.77	-57.83	-13.00	44.83	Vertical
4	12084.2083	39.03	-39.27	39.15	-56.35	-13.00	43.35	Vertical
5	13904.0833	37.99	-38.37	40.68	-54.96	-13.00	41.96	Vertical
6	17911.8333	36.31	-37.23	44.74	-51.44	-13.00	38.44	Vertical



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Test Band = LTE Band 43 3700-3800_ 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	7686.4167	43.86	-45.10	36.58	-59.93	-13.00	46.93	Horizontal
2	9325.6458	42.08	-42.91	37.89	-58.19	-13.00	45.19	Horizontal
3	10764.5833	39.61	-40.58	39.19	-57.04	-13.00	44.04	Horizontal
4	12065.0417	38.61	-39.11	39.16	-56.60	-13.00	43.60	Horizontal
5	13840.3542	37.87	-38.45	40.53	-55.30	-13.00	42.30	Horizontal
6	17631.5208	36.60	-37.08	42.94	-52.79	-13.00	39.79	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7866.5833	43.97	-44.95	36.36	-59.88	-13.00	46.88	Vertical
2	8812.9375	42.46	-43.82	37.34	-59.28	-13.00	46.28	Vertical
3	9909.75	40.36	-41.80	38.42	-58.28	-13.00	45.28	Vertical
4	12021.4375	38.11	-38.74	39.19	-56.70	-13.00	43.70	Vertical
5	13713.8542	37.86	-38.03	40.24	-55.19	-13.00	42.19	Vertical
6	17839	35.85	-37.72	44.27	-52.86	-13.00	39.86	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
Band43	20MHz	QPSK	45090	100RB#0	VL	NT	-1.70	-0.000453	PASS
Band43	20MHz	QPSK	45090	100RB#0	VN	NT	0.80	0.000213	PASS
Band43	20MHz	QPSK	45090	100RB#0	VH	NT	1.40	0.000373	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	45090	100RB#0	NV	-30	-0.70	-0.000187	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	-20	-0.60	-0.000160	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	0	2.90	0.000773	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	10	-1.90	-0.000507	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	20	-1.30	-0.000347	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	30	1.40	0.000373	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	40	-1.00	-0.000267	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	50	0.50	0.000133	PASS

---End of Attachment---



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