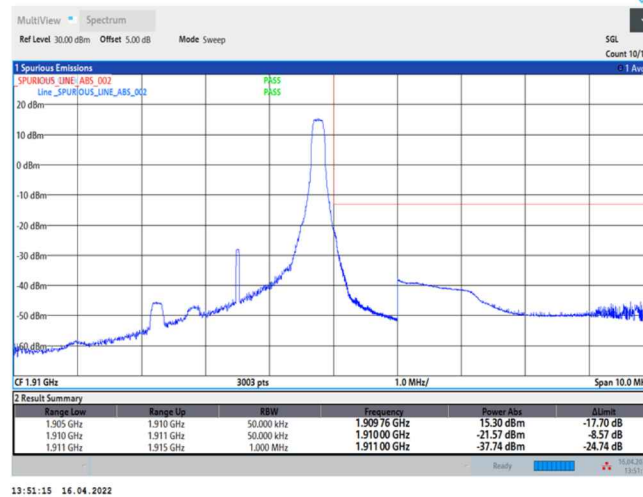


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Band2-3MHz-QPSK-19185-1RB#14



Band2-3MHz-QPSK-19185-15RB#0



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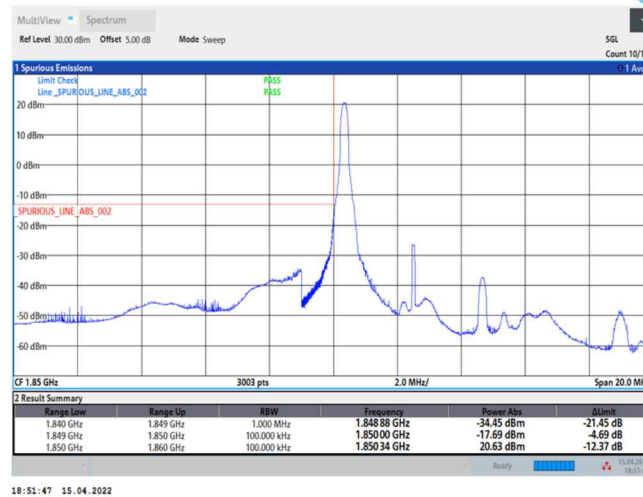
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Band2-5MHz-QPSK-18625-1RB#0



18:51:47 15.04.2022

Band2-5MHz-QPSK-18625-25RB#0



18:52:17 15.04.2022



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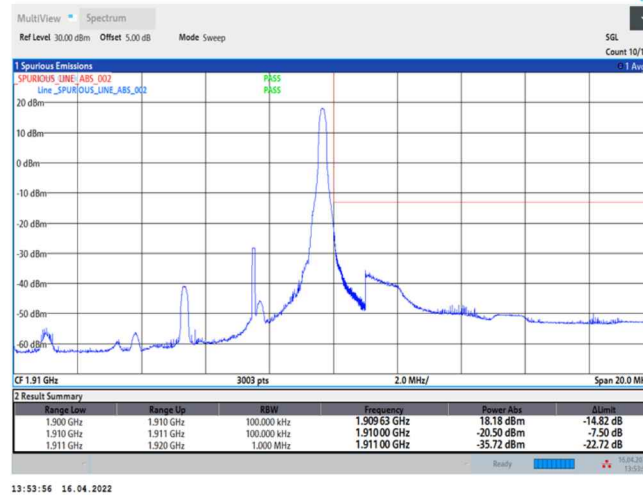
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Band2-5MHz-QPSK-19175-1RB#24



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Band2-5MHz-QPSK-19175-25RB#0



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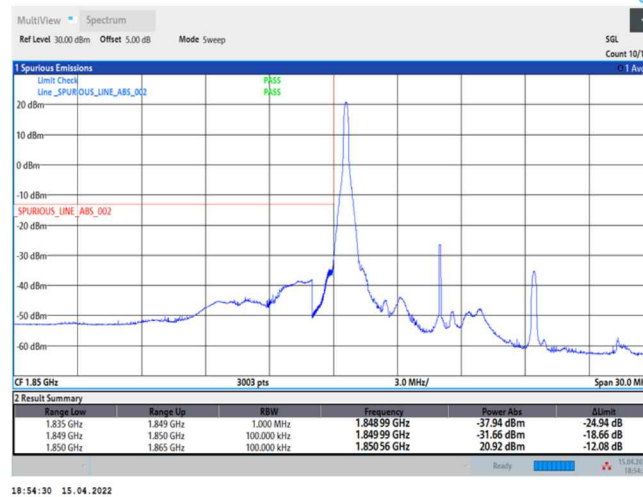
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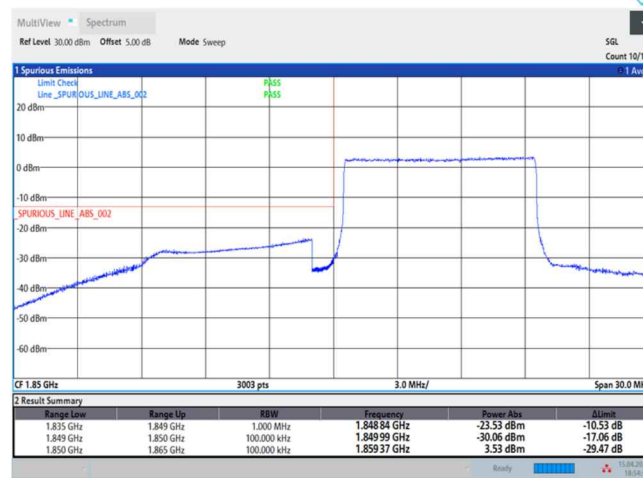
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.Band2-10MHz-QPSK-18650-1RB#0



18:54:30 15.04.2022

Band2-10MHz-QPSK-18650-50RB#0



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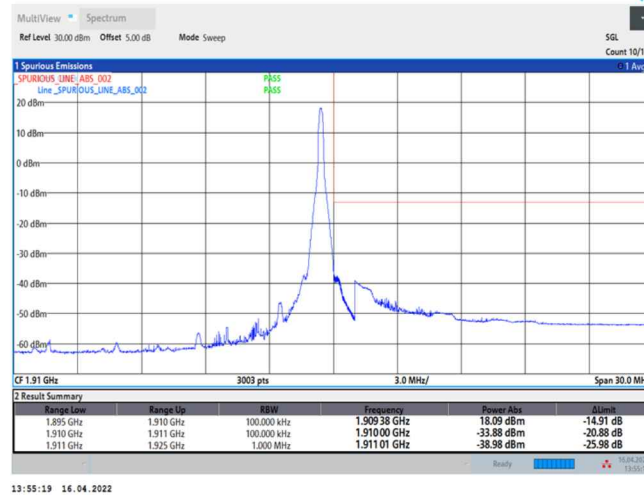
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Band2-10MHz-QPSK-19150-50RB#0



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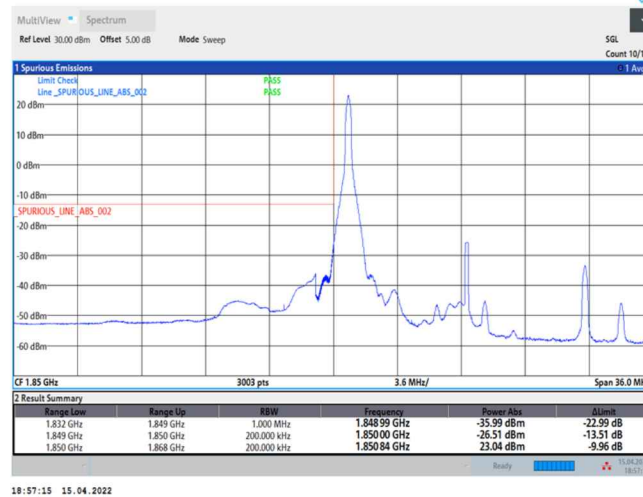
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Band2-15MHz-QPSK-18675-1RB#0



Band2-15MHz-QPSK-18675-75RB#0



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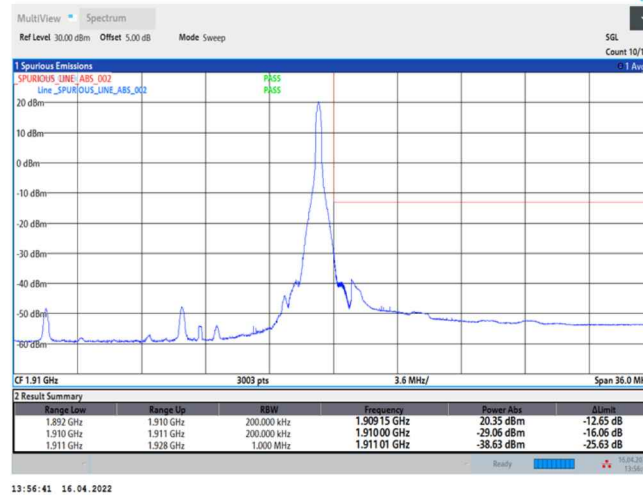
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Band2-15MHz-QPSK-19125-1RB#74



Band2-15MHz-QPSK-19125-75RB#0



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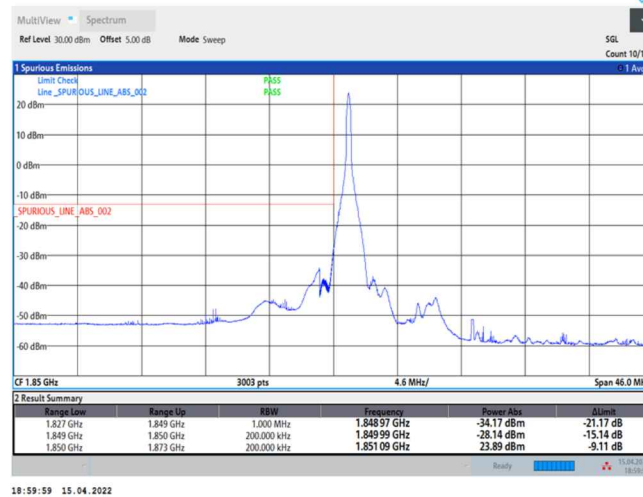
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Band2-20MHz-QPSK-18700-1RB#0



Band2-20MHz-QPSK-18700-100RB#0



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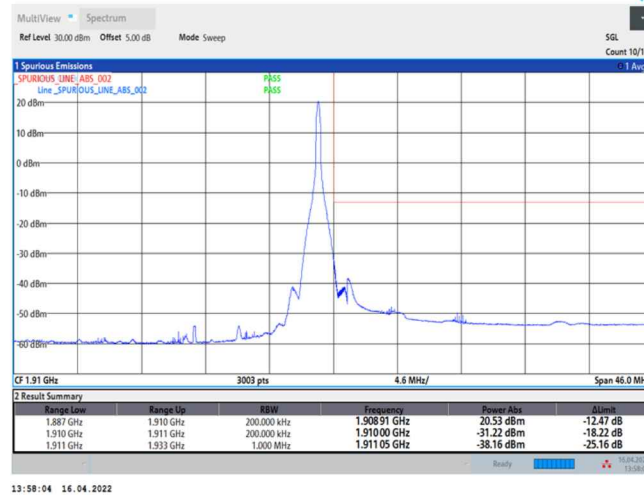
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Band2-20MHz-QPSK-19100-100RB#0



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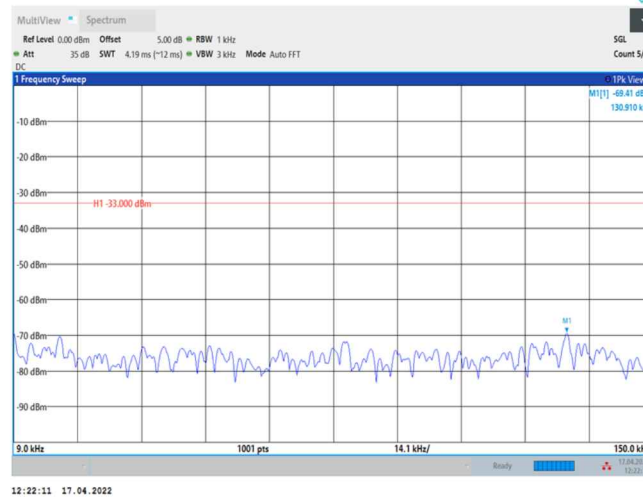
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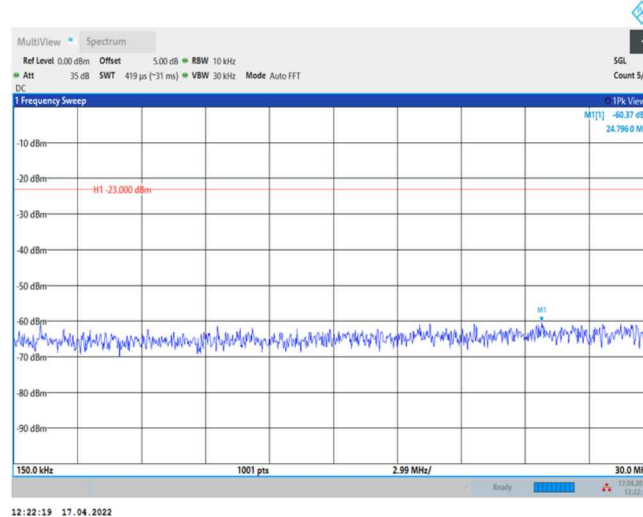
Conducted Spurious Emission

Test Graphs

Band2-20MHz-QPSK-18700-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz



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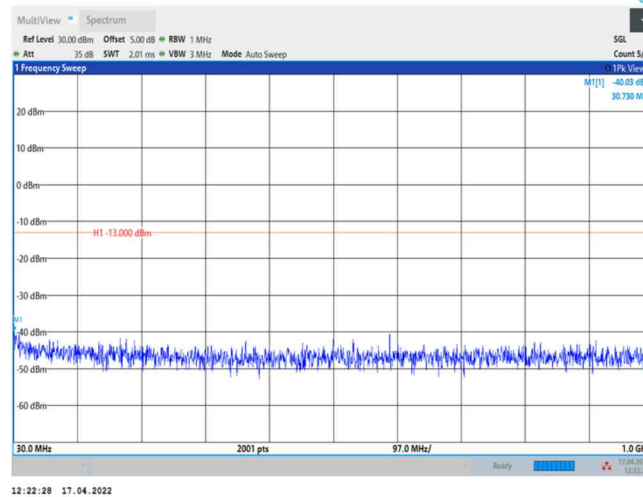
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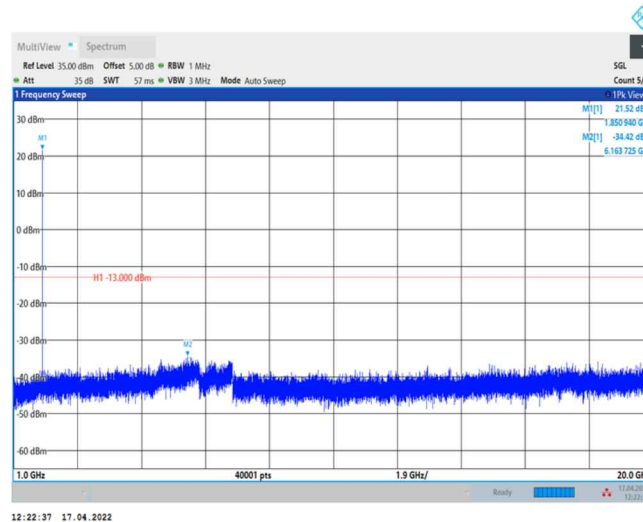
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



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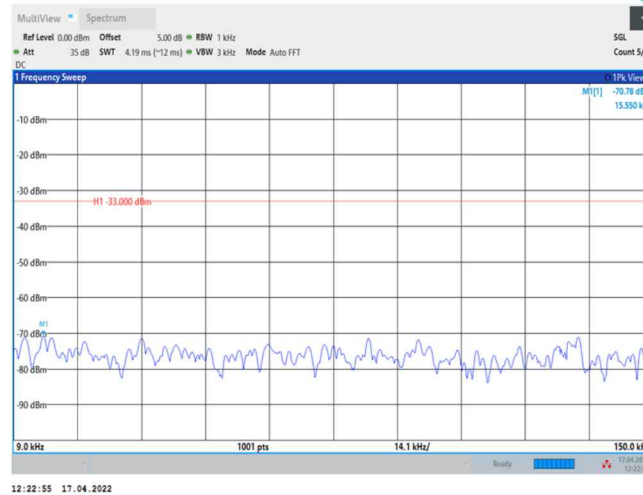
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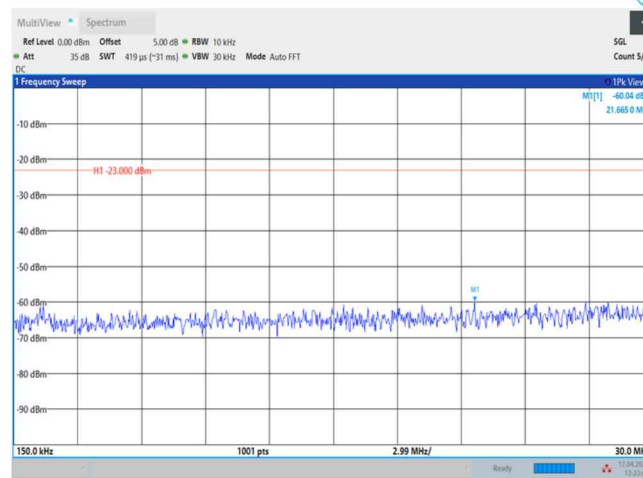
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz



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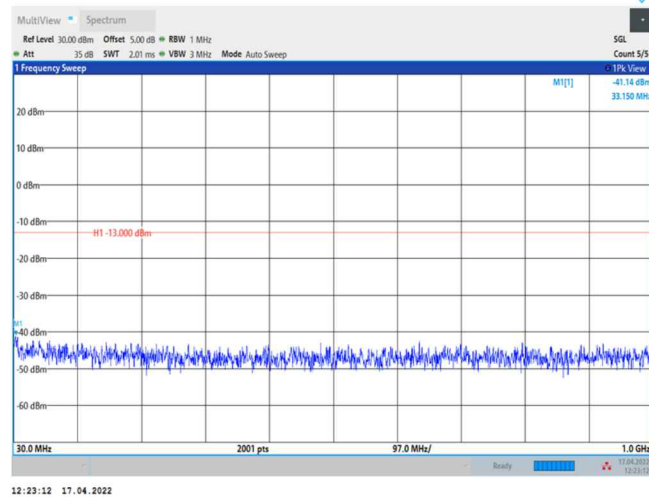
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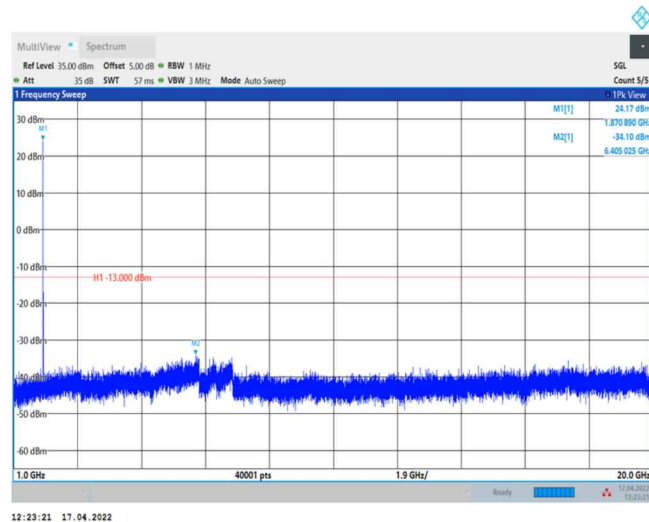
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



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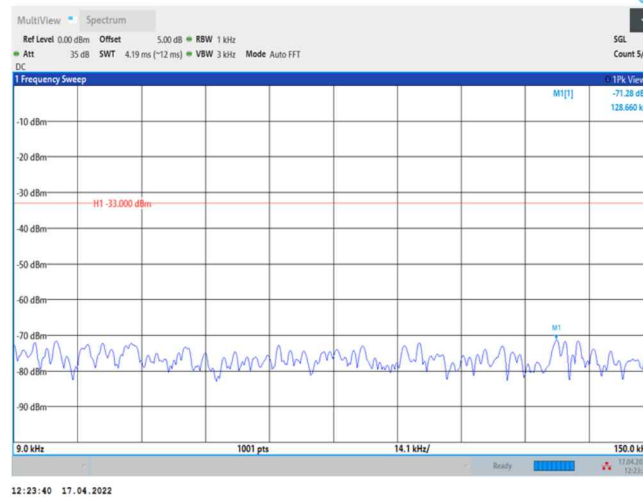
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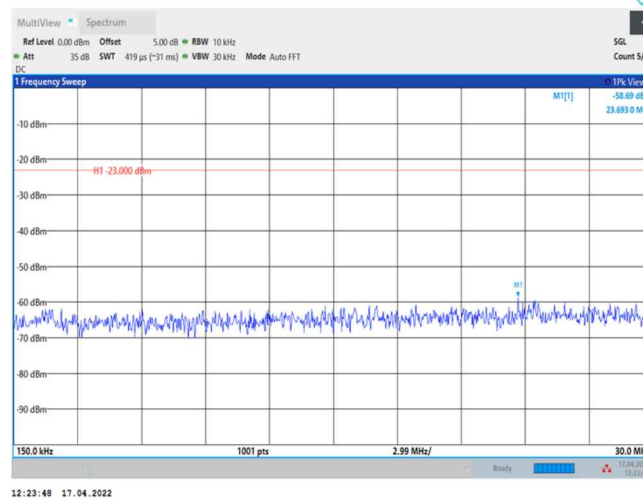
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz



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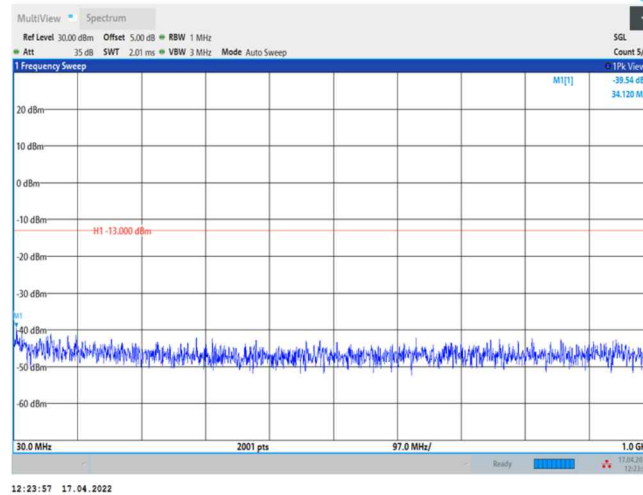
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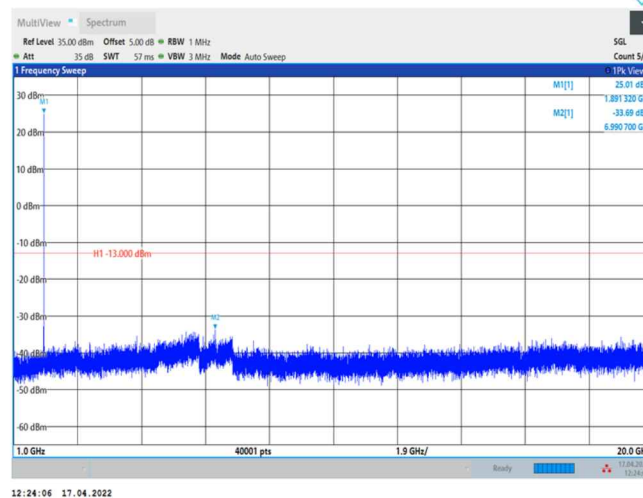
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



Band2-20MHz-QPSK-19100-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation**Test Band = LTE Band 2_ TM1****Test Channel = Low Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.51	-45.51	29.98	-70.28	-13.00	57.28	254	359	Horizontal
2	5553.2700	41.10	-45.15	32.97	-66.34	-13.00	53.34	136	177	Horizontal
3	7404.3600	42.69	-43.40	36.49	-59.48	-13.00	46.48	144	328	Horizontal
4	9255.4500	36.19	-40.23	38.38	-60.92	-13.00	47.92	165	282	Horizontal
5	11106.5400	32.08	-37.93	39.09	-62.02	-13.00	49.02	291	360	Horizontal
6	12957.6300	31.01	-37.24	39.79	-61.70	-13.00	48.70	188	268	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	3702.1800	41.03	-45.51	29.98	-69.76	-13.00	56.76	255	14	Vertical
2	5553.2700	46.42	-45.15	32.97	-61.02	-13.00	48.02	148	195	Vertical
3	7404.3600	42.71	-43.40	36.49	-59.46	-13.00	46.46	174	104	Vertical
4	9255.4500	36.03	-40.23	38.38	-61.08	-13.00	48.08	156	164	Vertical
5	11106.5400	31.86	-37.93	39.09	-62.24	-13.00	49.24	291	209	Vertical
6	12957.6300	31.52	-37.24	39.79	-61.19	-13.00	48.19	180	299	Vertical



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Test Band = LTE Band 2_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	41.30	-45.68	30.12	-69.52	-13.00	56.52	233	255	Horizontal
2	5613.2700	40.13	-45.04	33.07	-67.10	-13.00	54.10	216	104	Horizontal
3	7484.3600	39.47	-43.18	36.45	-62.52	-13.00	49.52	154	269	Horizontal
4	9355.4500	35.29	-40.00	38.46	-61.52	-13.00	48.52	148	104	Horizontal
5	11226.5400	33.46	-37.40	39.11	-60.09	-13.00	47.09	186	44	Horizontal
6	13097.6300	30.37	-37.01	39.87	-62.02	-13.00	49.02	291	283	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	3742.1800	41.21	-45.68	30.12	-69.61	-13.00	56.61	145	25	Vertical
2	5613.2700	42.06	-45.04	33.07	-65.17	-13.00	52.17	251	208	Vertical
3	7484.3600	40.06	-43.18	36.45	-61.93	-13.00	48.93	185	59	Vertical
4	9355.4500	34.85	-40.00	38.46	-61.96	-13.00	48.96	163	28	Vertical
5	11226.5400	33.03	-37.40	39.11	-60.52	-13.00	47.52	251	126	Vertical
6	13097.6300	31.10	-37.01	39.87	-61.29	-13.00	48.29	145	44	Vertical



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Test Band = LTE Band 2_ TM1
Test Channel = High Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	41.47	-45.85	30.27	-69.37	-13.00	56.37	266	104	Horizontal
2	5673.2700	40.33	-44.91	33.29	-66.55	-13.00	53.55	147	343	Horizontal
3	7564.3600	43.46	-43.00	36.41	-58.40	-13.00	45.40	185	285	Horizontal
4	9455.4500	34.95	-40.05	38.48	-61.89	-13.00	48.89	196	196	Horizontal
5	11346.5400	31.68	-37.40	39.11	-61.87	-13.00	48.87	141	360	Horizontal
6	13237.6300	29.68	-37.08	39.96	-62.69	-13.00	49.69	152	135	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	3782.1800	42.78	-45.85	30.27	-68.06	-13.00	55.06	241	75	Vertical
2	5673	47.58	-44.91	33.29	-59.30	-13.00	46.30	233	181	Vertical
3	7564.3600	43.77	-43.00	36.41	-58.09	-13.00	45.09	142	29	Vertical
4	9455.4500	34.82	-40.05	38.48	-62.02	-13.00	49.02	166	330	Vertical
5	11346.5400	31.66	-37.40	39.11	-61.89	-13.00	48.89	258	239	Vertical
6	13237.6300	30.00	-37.08	39.96	-62.37	-13.00	49.37	191	44	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
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.10	-0.001649	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-1.20	-0.000638	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.60	-0.001383	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-2.90	-0.001543	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-2.00	-0.001064	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-3.10	-0.001649	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.70	-0.000904	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-2.00	-0.001064	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-2.10	-0.001117	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	0.30	0.000160	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-1.60	-0.000851	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-1.50	-0.000798	PASS

---End of Attachment---



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