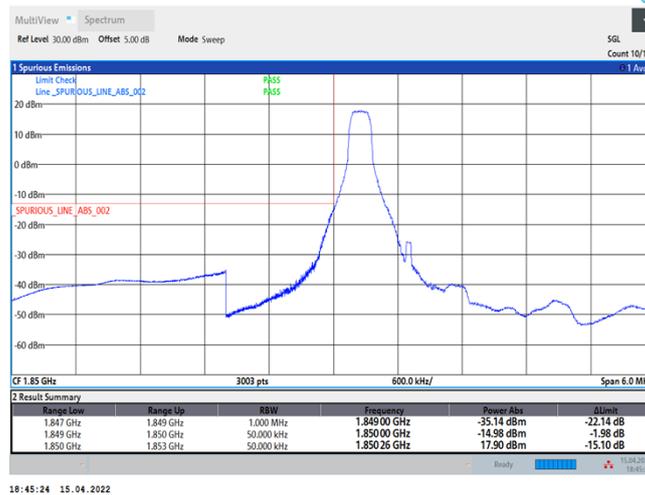


Band Edge

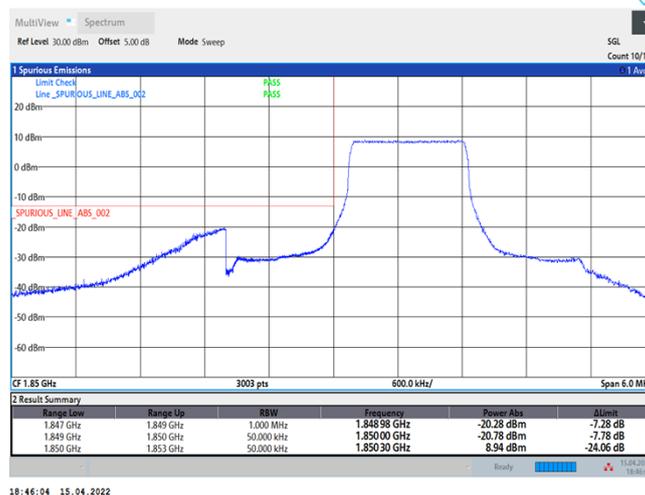
Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0



18:45:24 15.04.2022

Band2-1.4MHz-QPSK-18607-6RB#0



18:46:04 15.04.2022



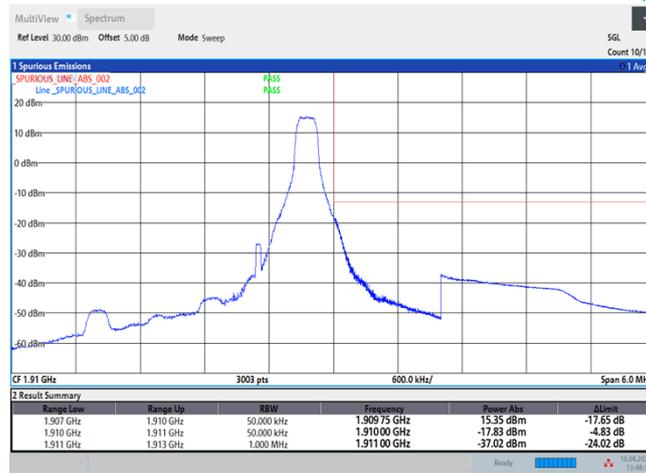
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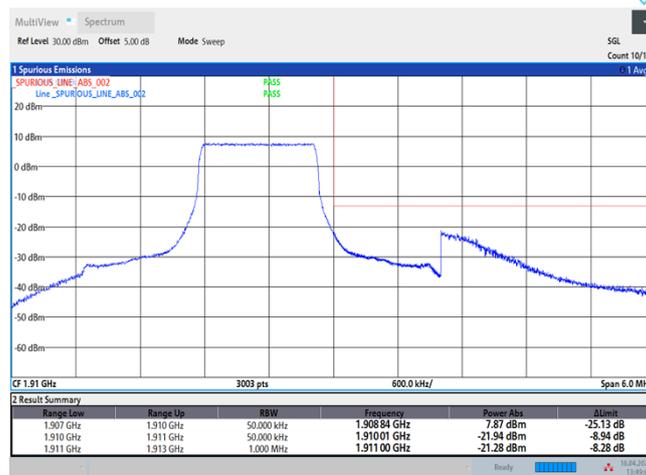
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Band2-1.4MHz-QPSK-19193-1RB#5

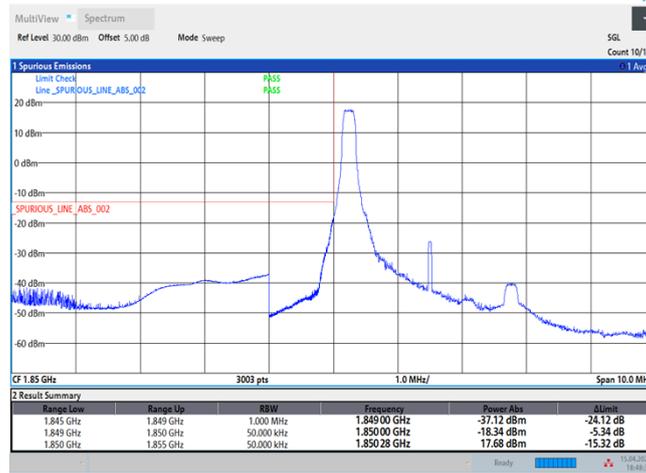


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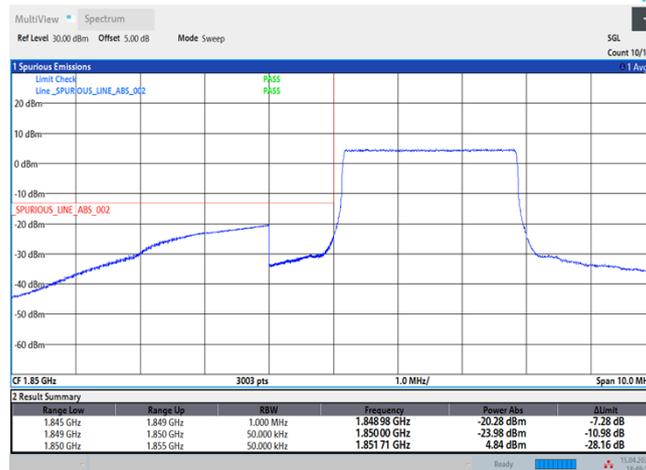
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Band2-3MHz-QPSK-18615-1RB#0



18:48:39 15.04.2022

Band2-3MHz-QPSK-18615-15RB#0



18:49:17 15.04.2022



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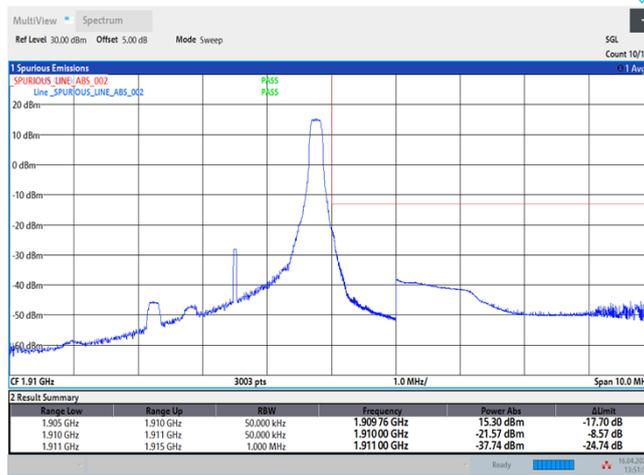
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Band2-3MHz-QPSK-19185-1RB#14



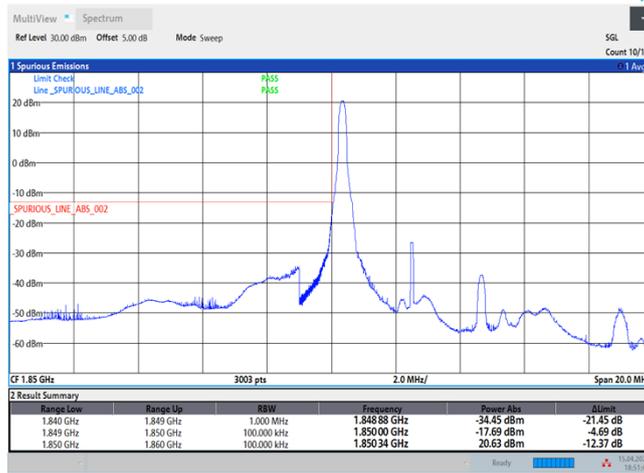
Band2-3MHz-QPSK-19185-15RB#0



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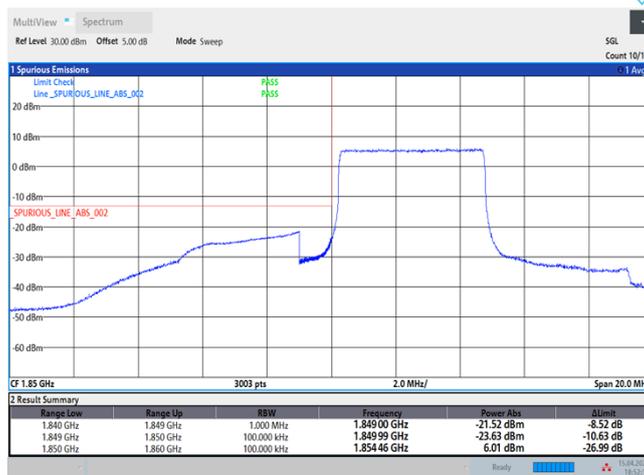
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Band2-5MHz-QPSK-18625-1RB#0



18:51:47 15.04.2022

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



18:52:17 15.04.2022



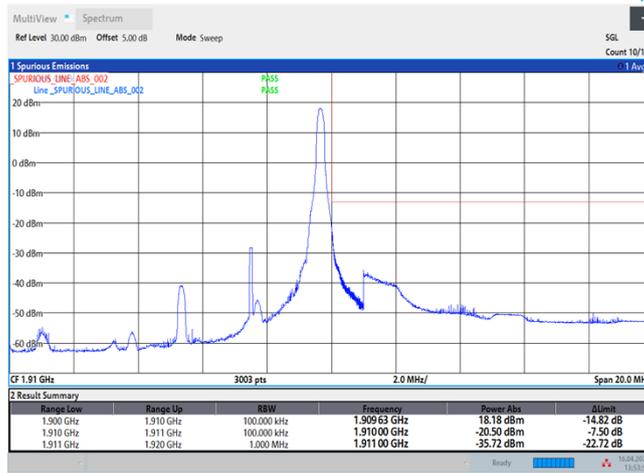
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Band2-5MHz-QPSK-19175-1RB#24



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

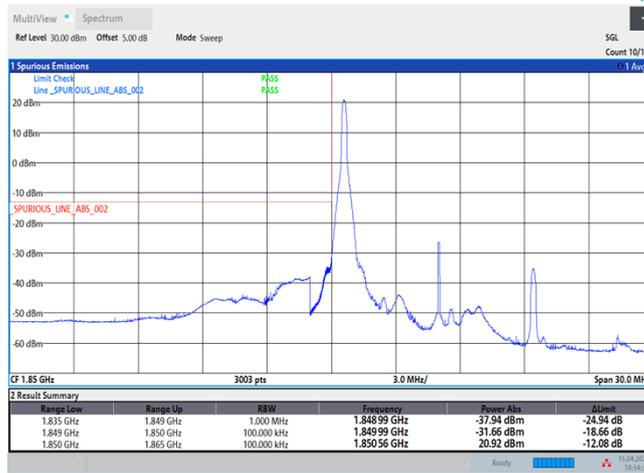


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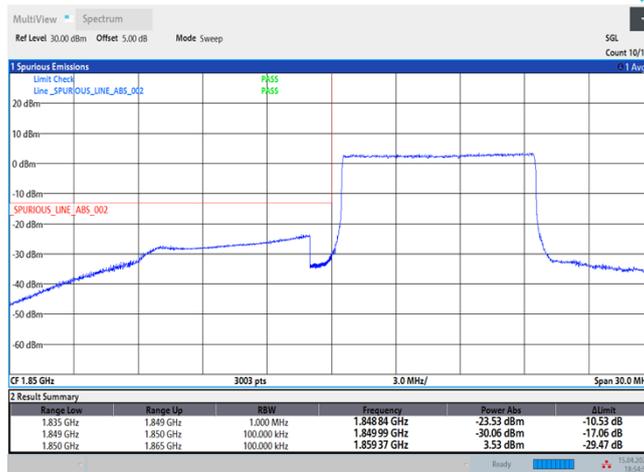
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.Band2-10MHz-QPSK-18650-1RB#0



18:54:30 15.04.2022

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



18:54:59 15.04.2022



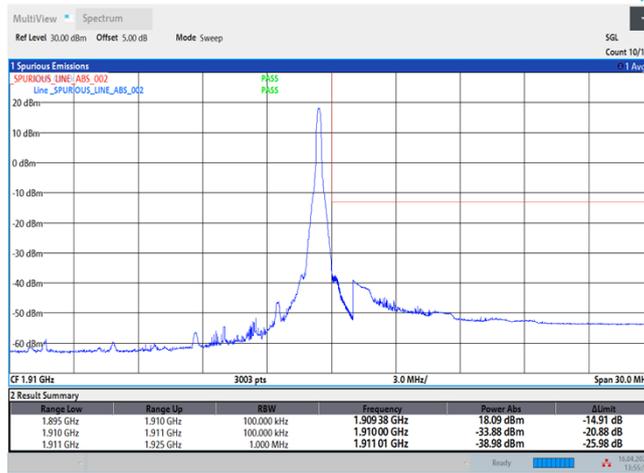
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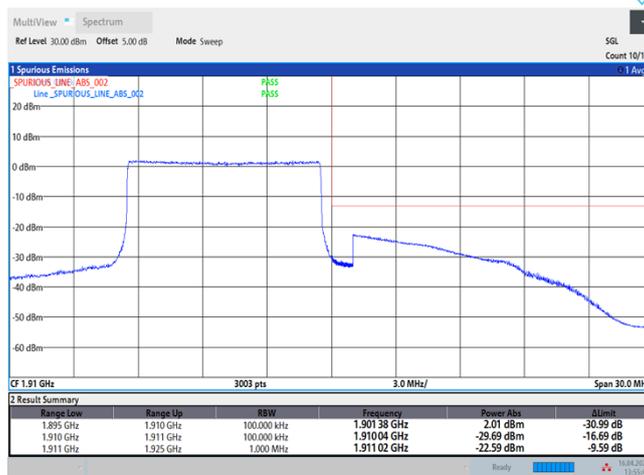
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Band2-10MHz-QPSK-19150-1RB#49



13:55:19 16.04.2022

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

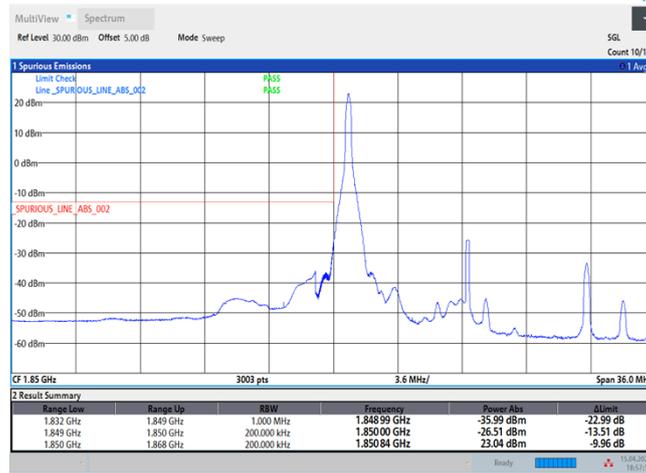


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Band2-15MHz-QPSK-18675-1RB#0



18:57:15 15.04.2022

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



18:57:44 15.04.2022



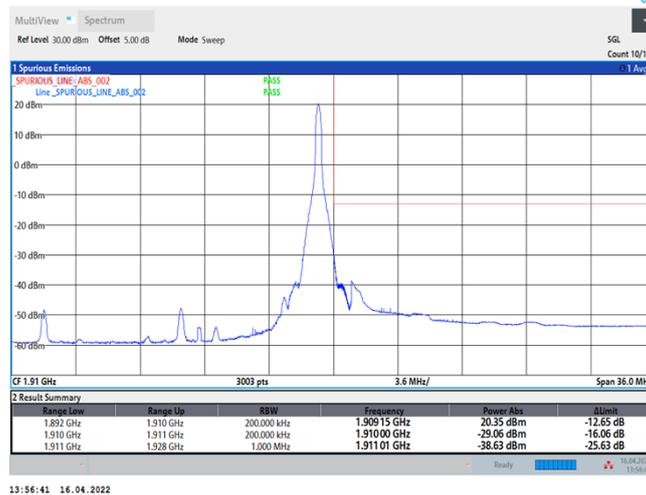
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Band2-15MHz-QPSK-19125-1RB#74



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



13:57:11 16.04.2022



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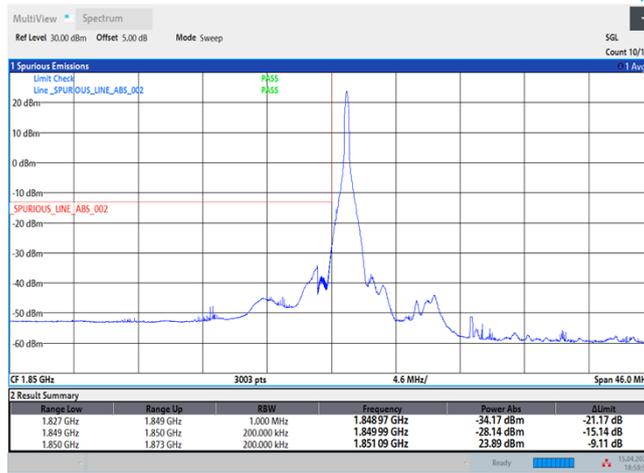
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Band2-20MHz-QPSK-18700-1RB#0



18:59:59 15.04.2022

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



19:00:28 15.04.2022



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Band2-20MHz-QPSK-19100-1RB#99



13:58:04 16.04.2022

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



13:58:34 16.04.2022

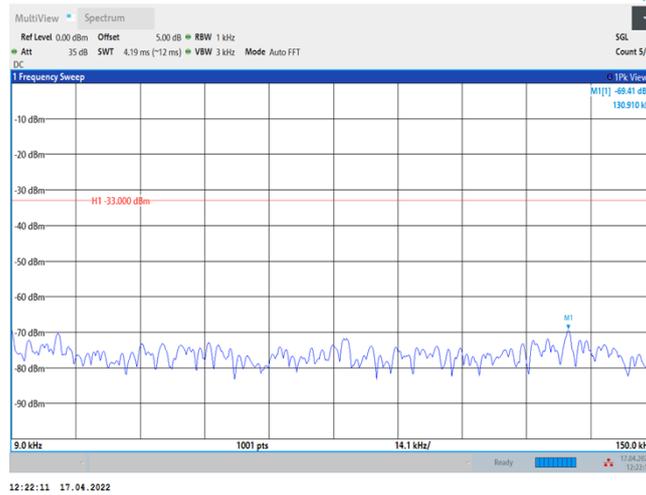


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Conducted Spurious Emission

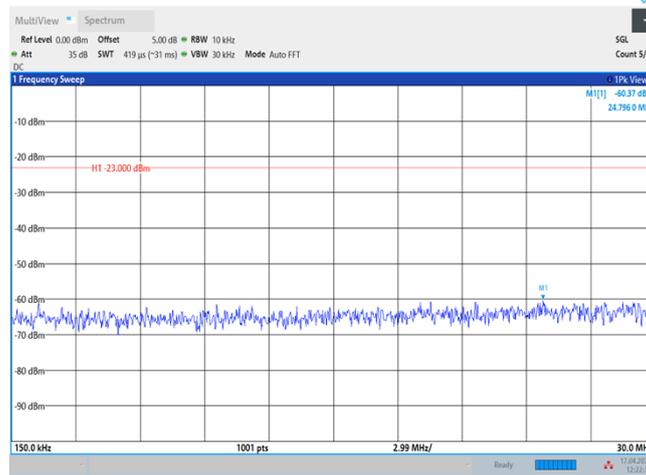
Test Graphs

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



12:22:11 17.04.2022

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



12:22:19 17.04.2022



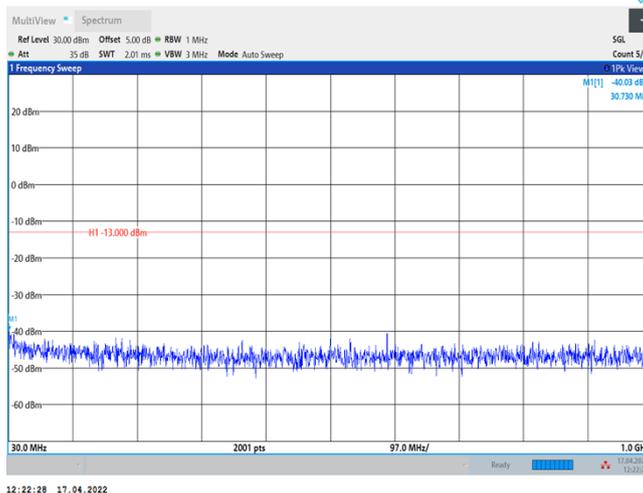
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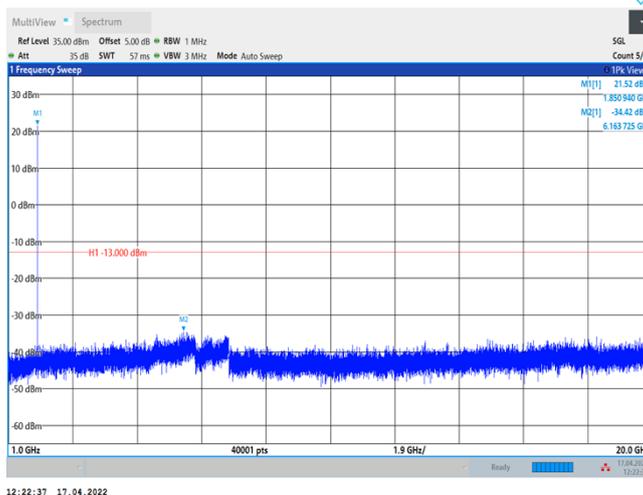
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz

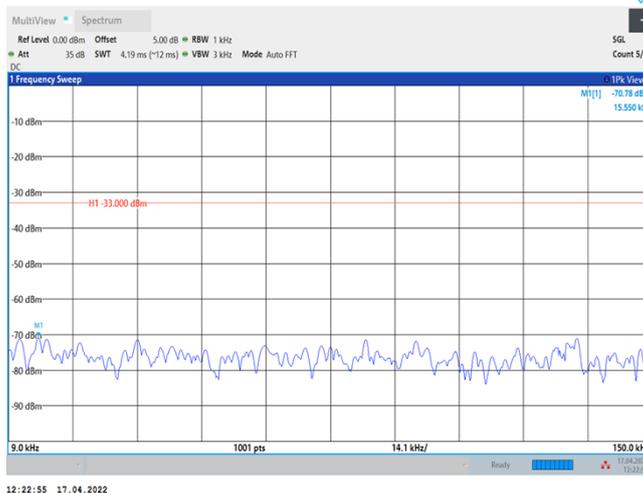


Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



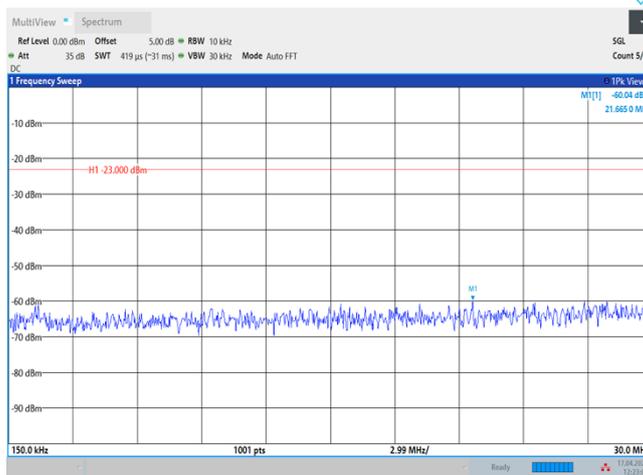
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



12:22:55 17.04.2022

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



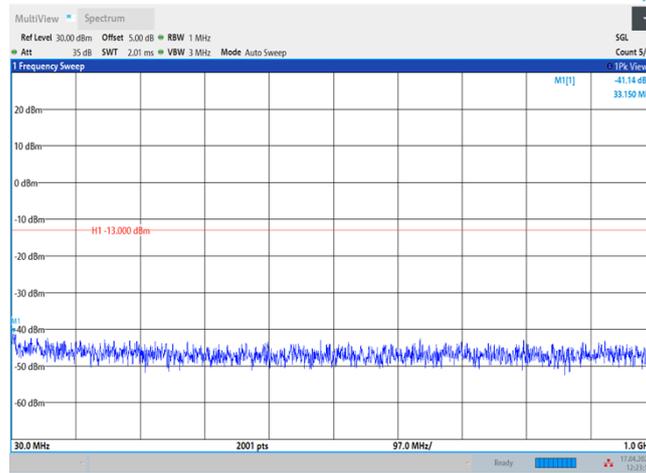
12:23:03 17.04.2022



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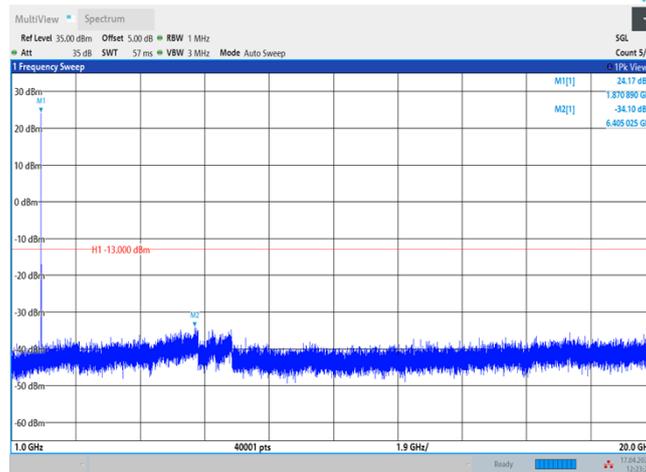
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



12:23:12 17.04.2022

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



12:23:21 17.04.2022



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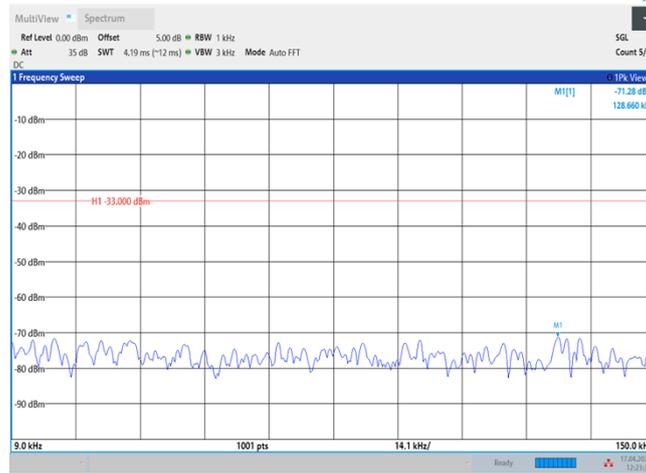
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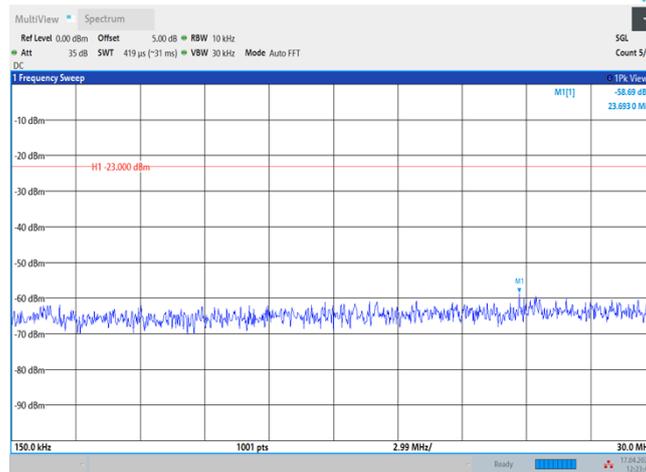
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



12:23:40 17.04.2022

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



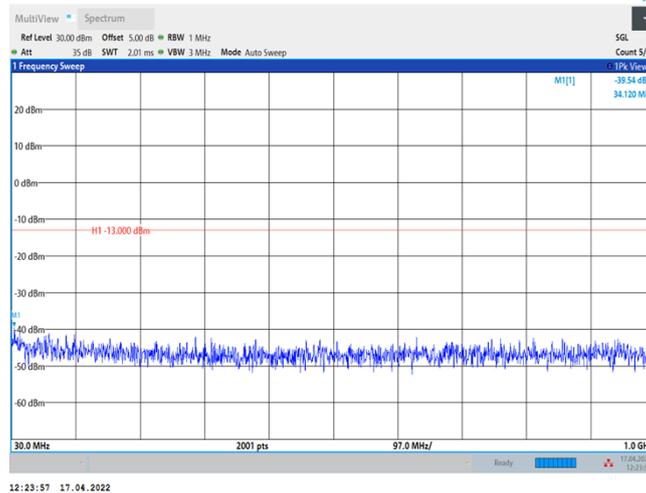
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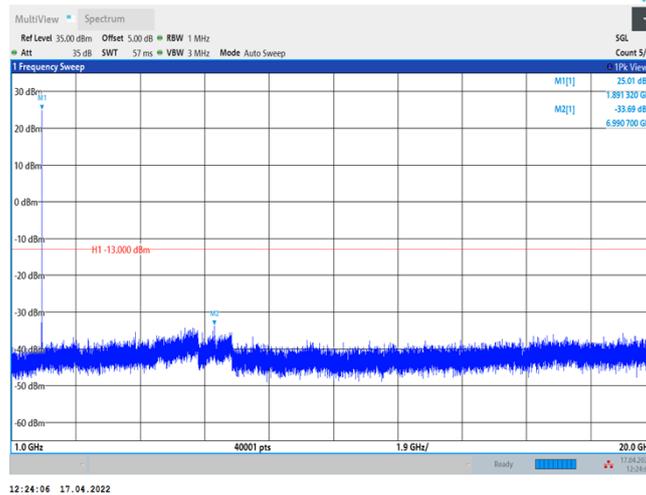
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	50.43	-111.07	-60.64	-13.00	47.64	263	202	Horizontal
2	5553.27	49.61	-106.36	-56.75	-13.00	43.75	241	135	Horizontal
3	7404.36	47.64	-100.78	-53.14	-13.00	40.14	176	0	Horizontal
4	9255.45	48.40	-95.08	-46.68	-13.00	33.68	284	329	Horizontal
5	11106.54	42.38	-91.12	-48.74	-13.00	35.74	177	102	Horizontal
6	12957.63	41.83	-90.60	-48.77	-13.00	35.77	265	151	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	50.70	-111.07	-60.37	-13.00	47.37	263	296	Vertical
2	5553.27	50.96	-106.36	-55.40	-13.00	42.40	241	104	Vertical
3	7404.36	48.20	-100.78	-52.58	-13.00	39.58	175	230	Vertical
4	9255.45	46.73	-95.08	-48.35	-13.00	35.35	255	23	Vertical
5	11106.54	42.76	-91.12	-48.36	-13.00	35.36	177	151	Vertical
6	12957.63	43.95	-90.60	-46.65	-13.00	33.65	183	72	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]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	51.18	-110.86	-59.68	-13.00	46.68	263	119	Horizontal
2	5613.27	49.04	-106.14	-57.10	-13.00	44.10	241	86	Horizontal
3	7484.36	47.96	-100.43	-52.47	-13.00	39.47	175	11	Horizontal
4	9355.45	46.29	-94.96	-48.67	-13.00	35.67	265	119	Horizontal
5	11226.54	43.34	-90.95	-47.61	-13.00	34.61	255	38	Horizontal
6	13097.63	44.90	-90.07	-45.17	-13.00	32.17	264	297	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	50.63	-110.86	-60.23	-13.00	47.23	263	296	Vertical
2	5613.27	49.07	-106.14	-57.07	-13.00	44.07	241	82	Vertical
3	7484.36	46.96	-100.43	-53.47	-13.00	40.47	176	164	Vertical
4	9355.45	46.00	-94.96	-48.96	-13.00	35.96	254	198	Vertical
5	11226.54	42.76	-90.95	-48.19	-13.00	35.19	188	246	Vertical
6	13097.63	42.27	-90.07	-47.80	-13.00	34.80	164	313	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]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	53.73	-110.66	-56.93	-13.00	43.93	263	180	Horizontal
2	5673.27	48.07	-105.88	-57.81	-13.00	44.81	251	1	Horizontal
3	7564.36	48.80	-100.01	-51.21	-13.00	38.21	176	262	Horizontal
4	9455.45	44.45	-94.86	-50.41	-13.00	37.41	241	3	Horizontal
5	11346.54	43.44	-91.44	-48.00	-13.00	35.00	147	180	Horizontal
6	13237.63	42.01	-90.49	-48.48	-13.00	35.48	264	3	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	50.95	-110.66	-59.71	-13.00	46.71	263	312	Vertical
2	5673.27	48.10	-105.88	-57.78	-13.00	44.78	251	98	Vertical
3	7564.36	51.78	-100.01	-48.23	-13.00	35.23	175	47	Vertical
4	9455.45	44.61	-94.86	-50.25	-13.00	37.25	264	245	Vertical
5	11346.54	42.78	-91.44	-48.66	-13.00	35.66	147	212	Vertical
6	13237.63	42.41	-90.49	-48.08	-13.00	35.08	146	0	Vertical



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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

The End



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