Appendix B.4

LTE Band 7

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.99	26.99	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.07	27.07	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.61	26.61	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.89	25.89	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.89	26.89	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.15	27.15	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.92	26.92	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.18	26.18	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.03	27.03	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.25	27.25	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.72	26.72	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.12	26.12	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.97	25.97	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.88	25.88	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.67	25.67	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.73	24.73	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.93	25.93	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.01	26.01	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.32	26.32	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.42	25.42	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.09	26.09	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.58	26.58	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.97	25.97	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.19	25.19	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.09	27.09	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.12	27.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.87	26.87	33	PASS

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Band7	10MHz	QPSK	20800	50RB#0	21.96	25.96	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.18	27.18	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.33	27.33	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.15	27.15	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.13	26.13	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.28	27.28	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.34	27.34	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.04	27.04	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.25	26.25	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.77	25.77	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.51	26.51	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.76	25.76	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.09	25.09	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.28	26.28	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.98	25.98	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.33	26.33	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.25	25.25	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.15	26.15	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.71	26.71	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.93	25.93	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.18	25.18	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.93	26.93	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.03	27.03	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.68	26.68	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22	26	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.05	27.05	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23	27	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.88	26.88	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.11	26.11	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.44	27.44	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.25	27.25	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.82	26.82	33	PASS

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Band7	15MHz	QPSK	21375	75RB#0	22.27	26.27	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.81	25.81	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.68	25.68	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.71	25.71	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.02	25.02	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.29	26.29	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.3	26.3	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.91	25.91	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.22	25.22	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.82	26.82	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.66	26.66	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.83	25.83	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.11	25.11	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.29	27.29	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.2	27.2	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.64	26.64	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.87	25.87	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.8	26.8	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.01	27.01	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.16	27.16	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.01	26.01	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.14	27.14	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.39	27.39	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.07	27.07	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.24	26.24	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.76	25.76	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.56	26.56	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.55	25.55	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.89	24.89	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.78	25.78	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.25	26.25	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.06	26.06	33	PASS

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. Wireless Laboratory

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Band7	20MHz	16QAM	21100	100RB#0	21.2	25.2	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.14	26.14	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.8	26.8	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.34	26.34	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.29	25.29	33	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.22	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.22	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.20	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.02	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.00	13	PASS

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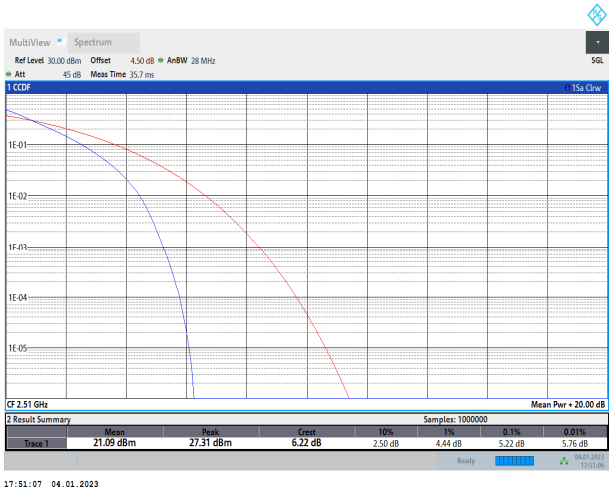
Test Graphs

Band7-20MHz-QPSK-20850-100RB#0


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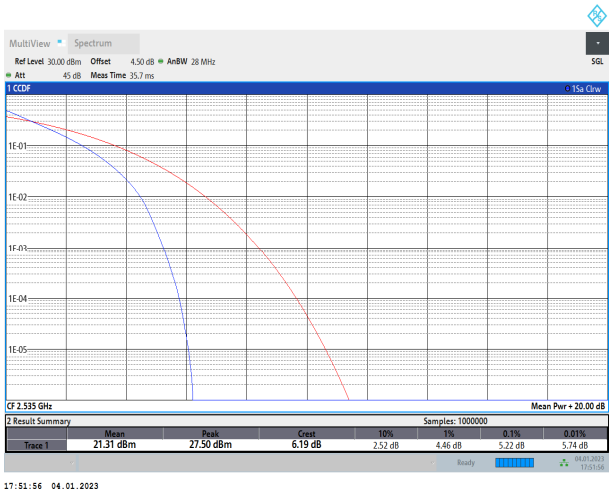

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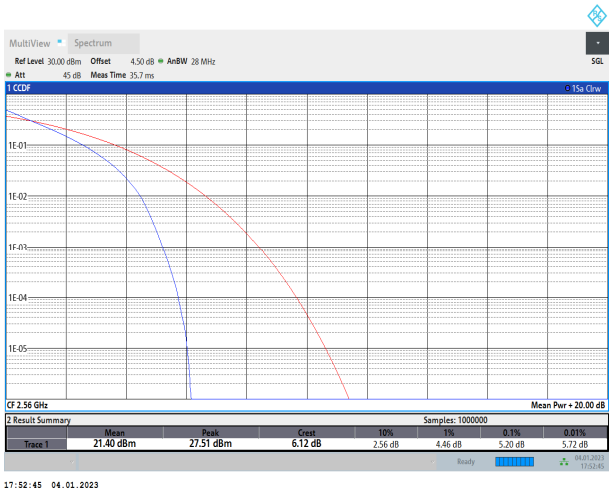
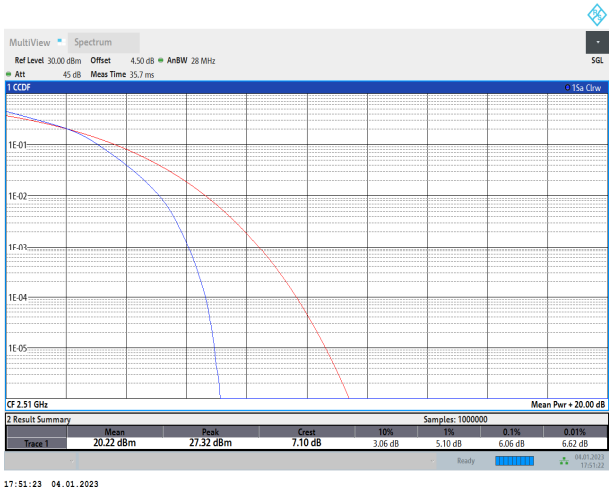


Band7-20MHz-16QAM-20850-100RB#0



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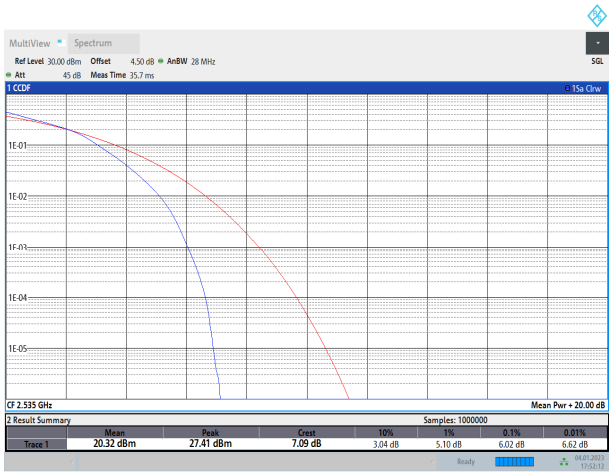
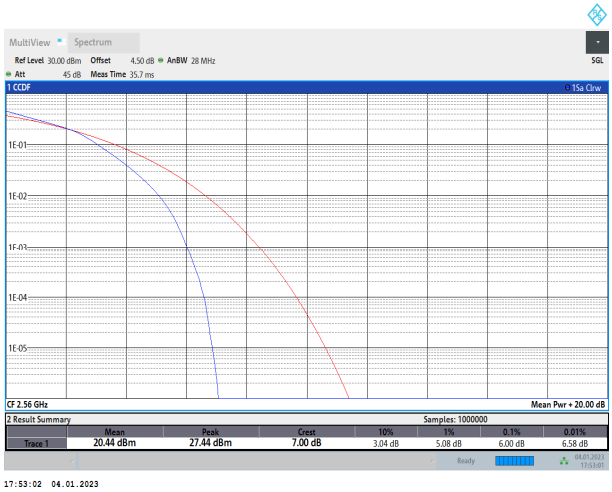
Member of the SGS Group (SGS SA)

Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS

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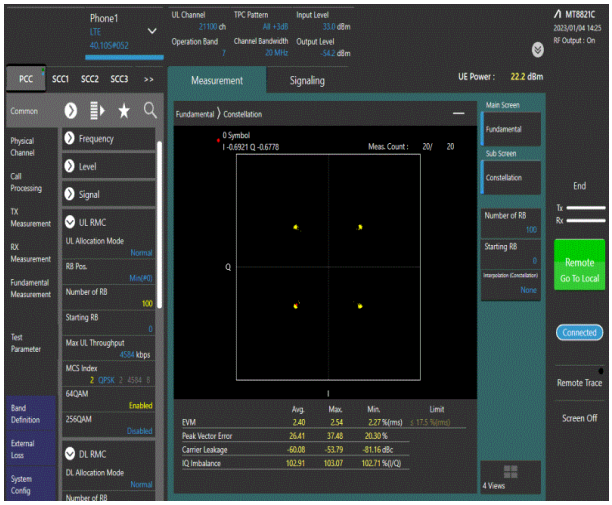
Test Graphs

Band7-20MHz-QPSK-21100-100RB#0

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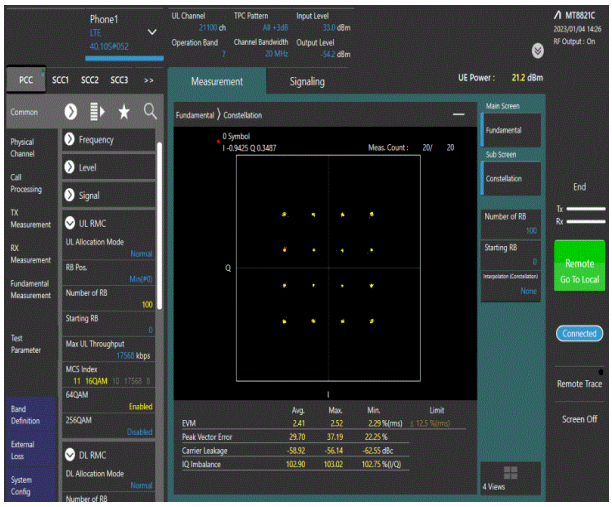

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.461	4.89	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.463	4.87	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.462	4.88	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.462	4.95	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.463	4.93	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.464	4.92	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.918	9.60	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.914	9.74	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.906	9.68	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.901	9.60	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.902	9.64	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.896	9.70	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.43	14.70	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.433	14.73	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.445	14.73	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.404	14.82	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.417	14.82	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.413	14.79	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.849	19.44	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.859	19.48	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.915	19.48	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.845	19.36	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.867	19.32	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.859	19.40	PASS

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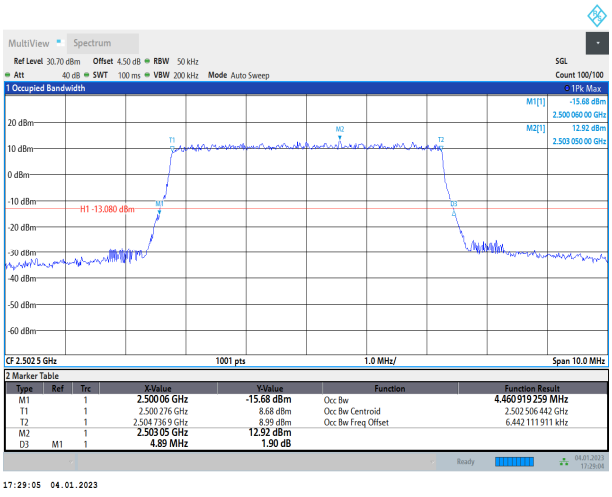
Test Graphs

Band7-5MHz-QPSK-20775-25RB#0



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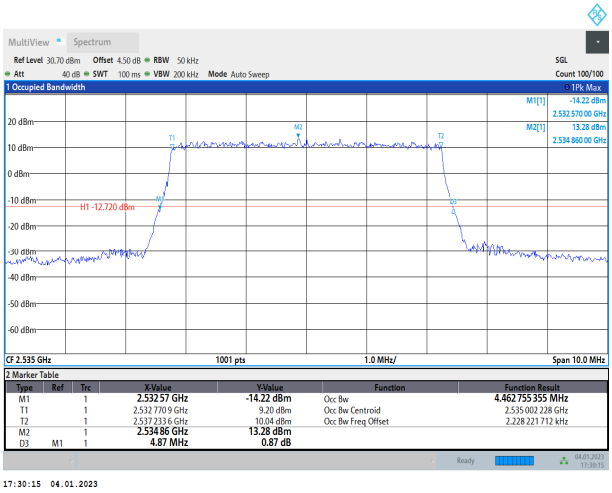

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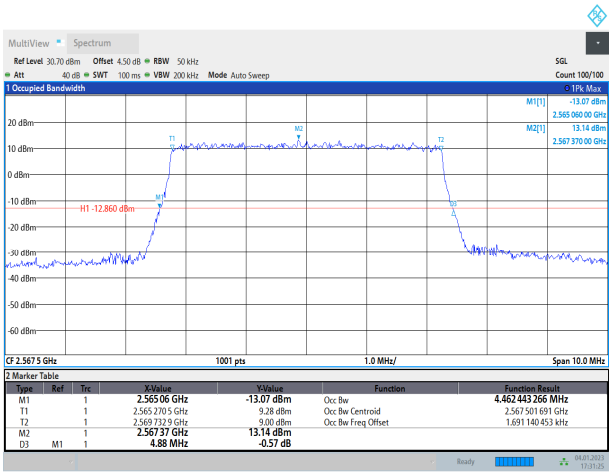
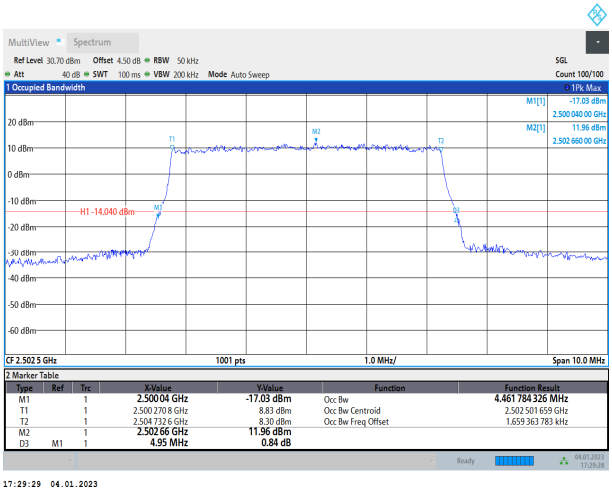
Band7-5MHz-QPSK-21425-25RB#0



Band7-5MHz-16QAM-20775-25RB#0



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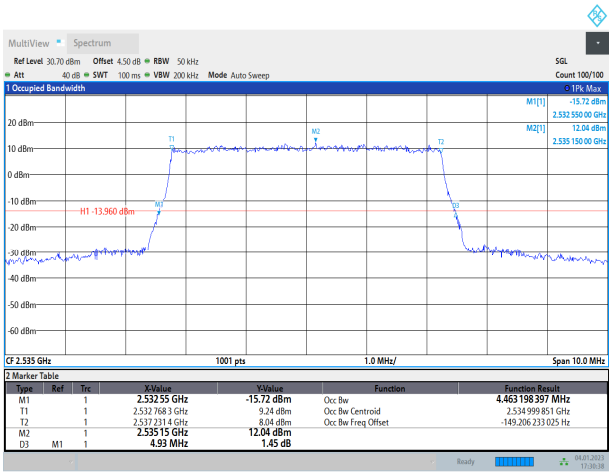
Band7-5MHz-16QAM-21100-25RB#0



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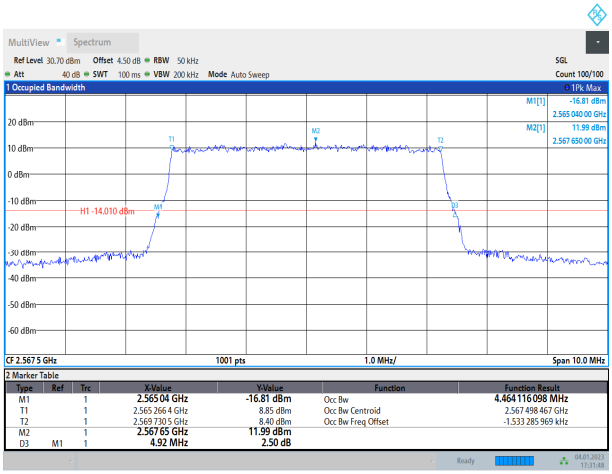

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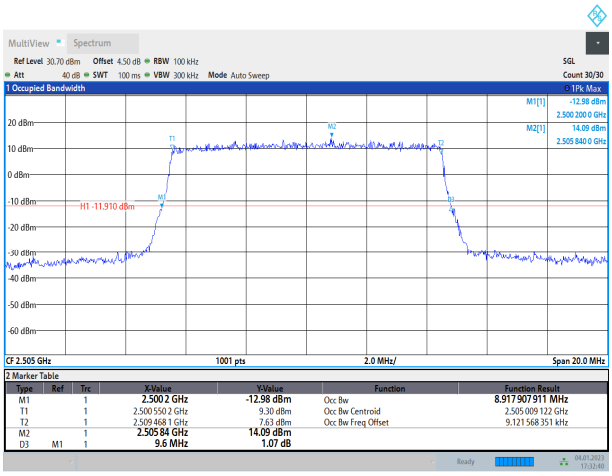
Band7-10MHz-QPSK-20800-50RB#0



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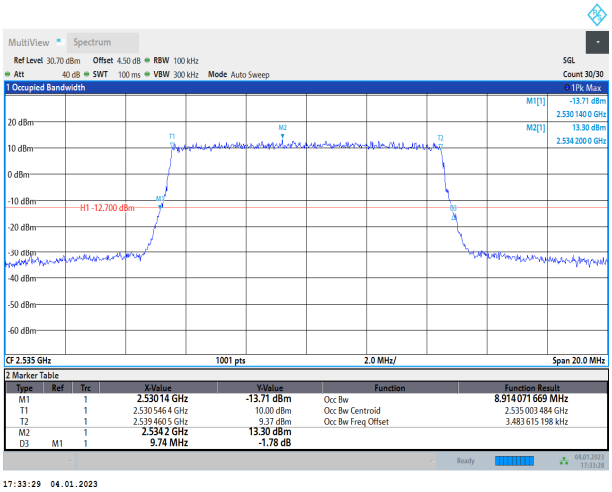

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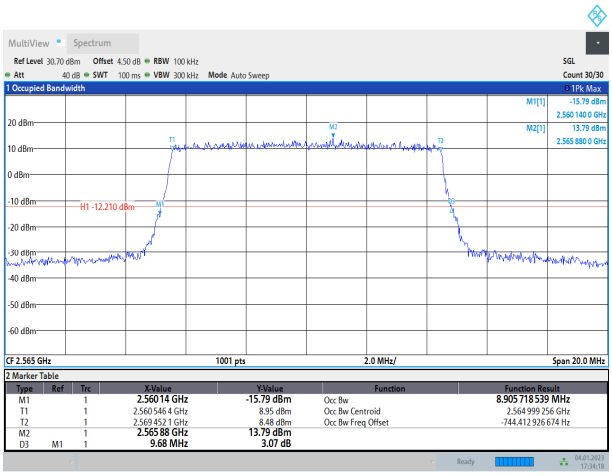

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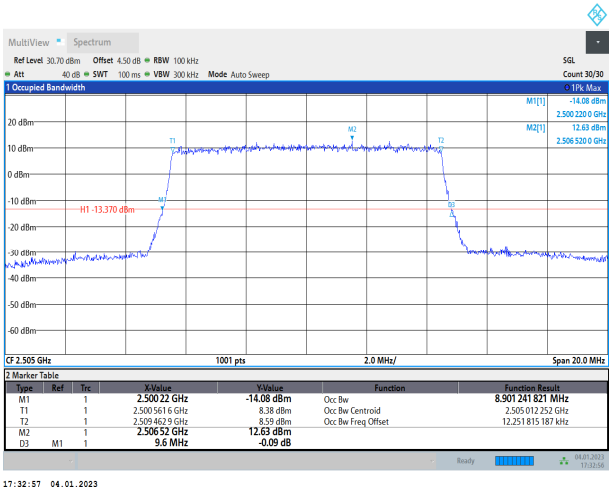

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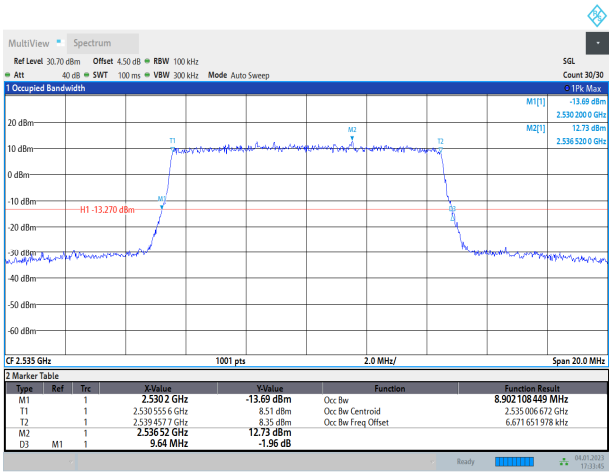
Band7-10MHz-16QAM-21100-50RB#0



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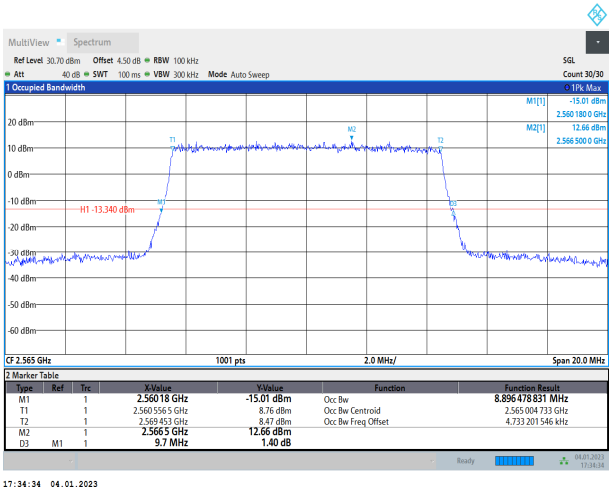

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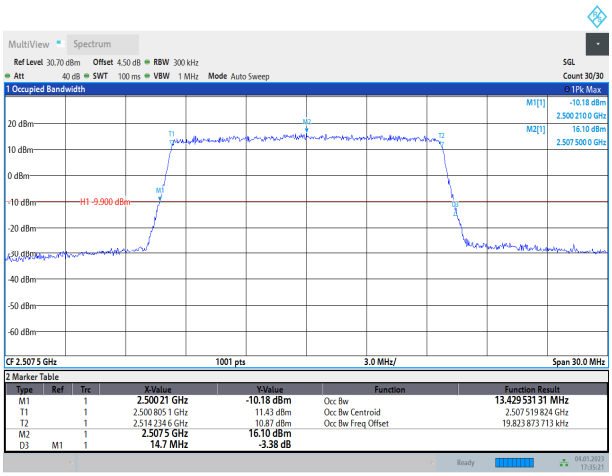
Band7-15MHz-QPSK-20825-75RB#0



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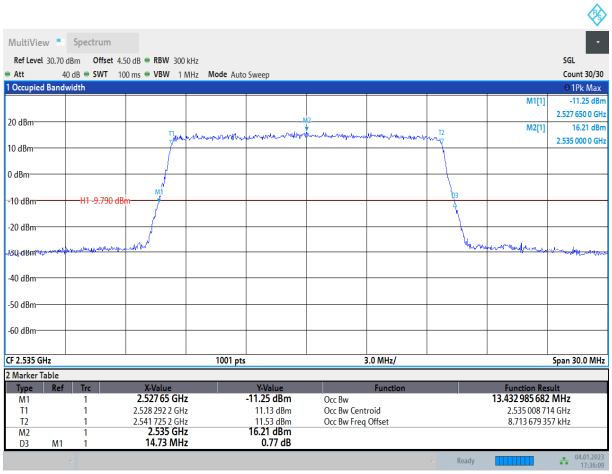
Band7-15MHz-QPSK-21100-75RB#0



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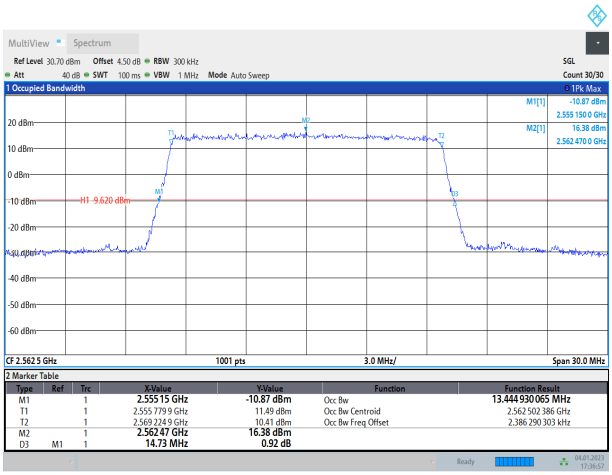
Band7-15MHz-QPSK-21375-75RB#0



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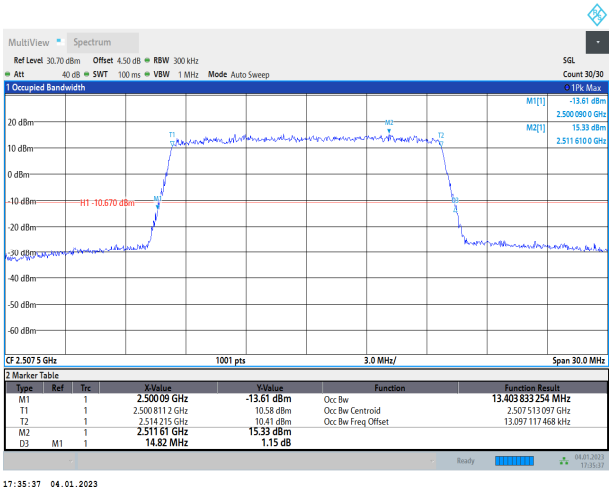

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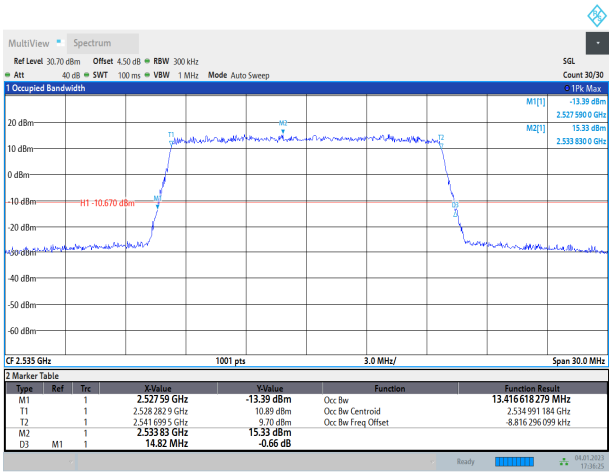
Band7-15MHz-16QAM-21100-75RB#0



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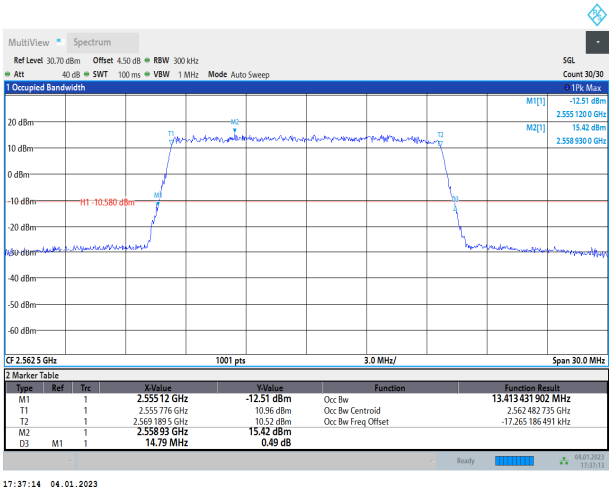

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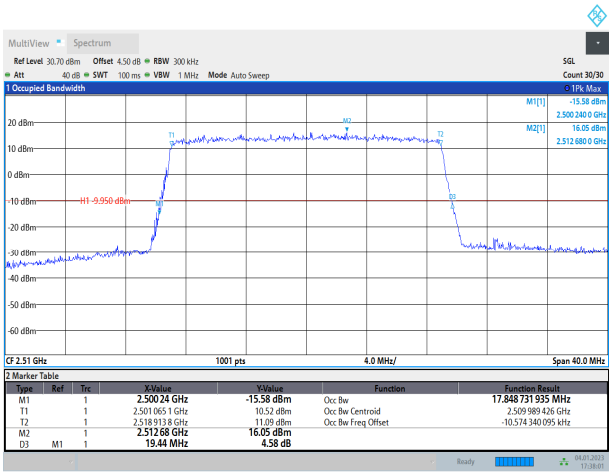
Band7-20MHz-QPSK-20850-100RB#0



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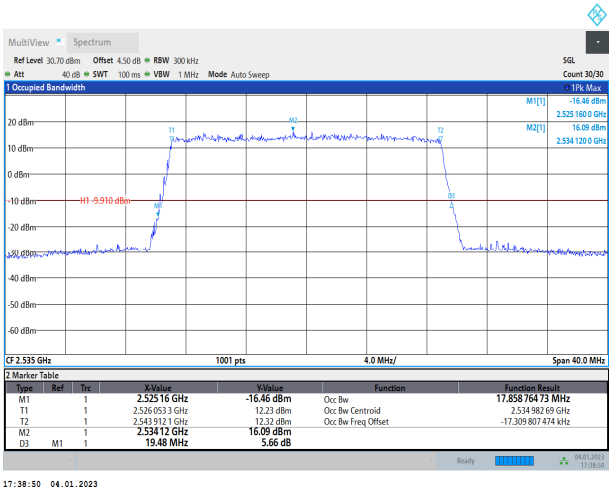

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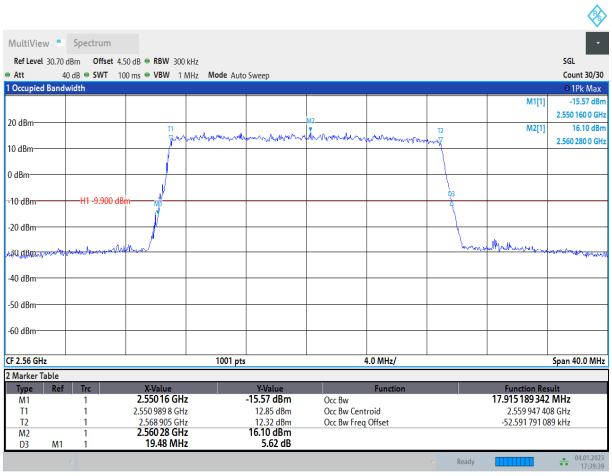
Band7-20MHz-QPSK-21350-100RB#0



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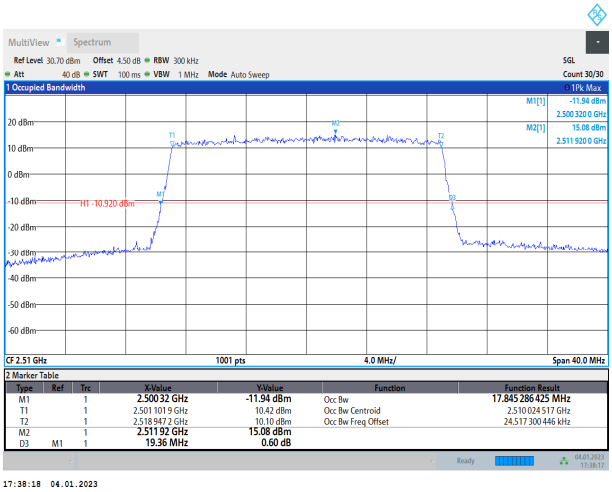

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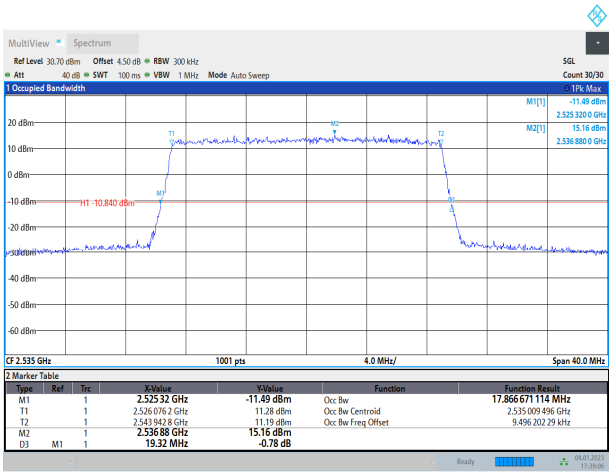
Band7-20MHz-16QAM-21100-100RB#0



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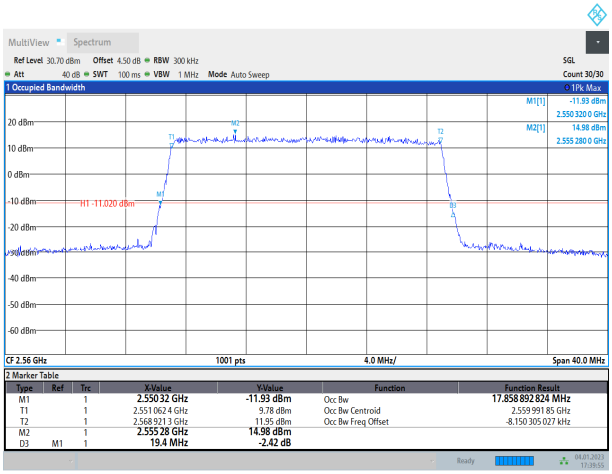

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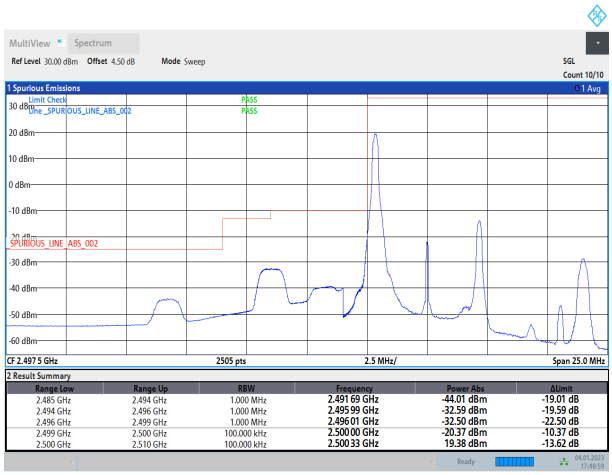
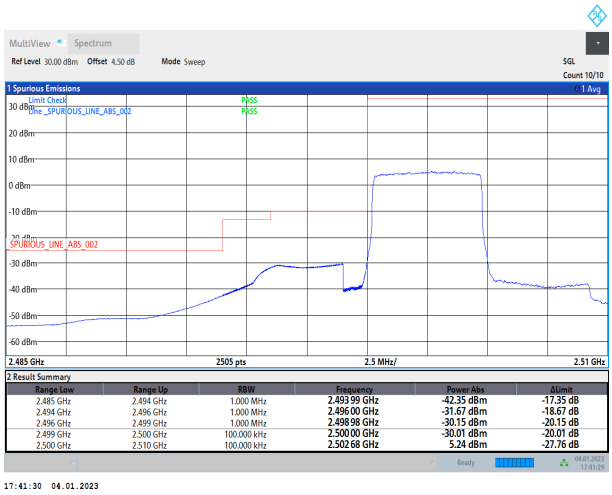
Band Edge

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



Band7-5MHz-QPSK-20775-25RB#0



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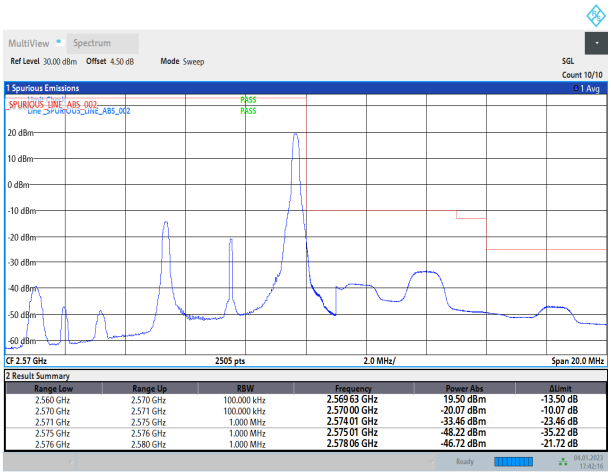
Band7-5MHz-QPSK-21425-1RB#24



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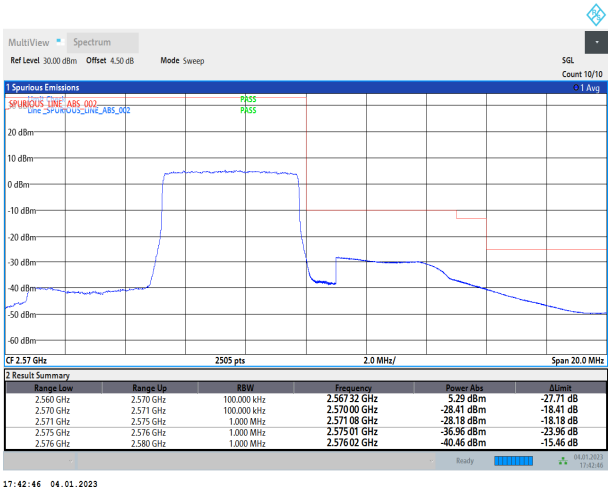

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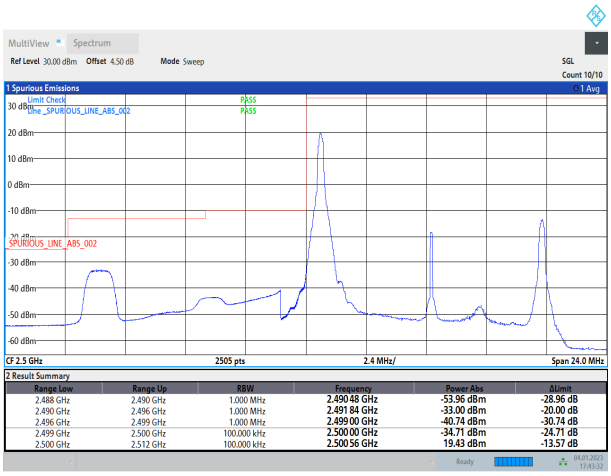

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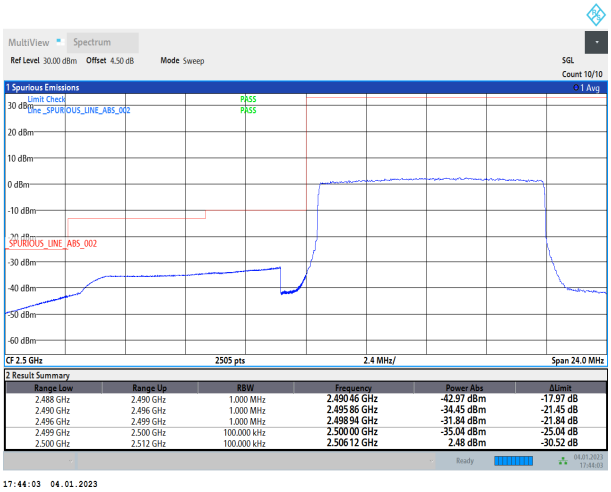

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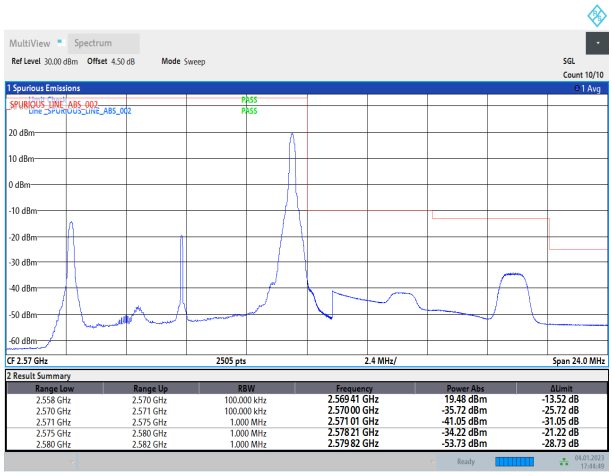
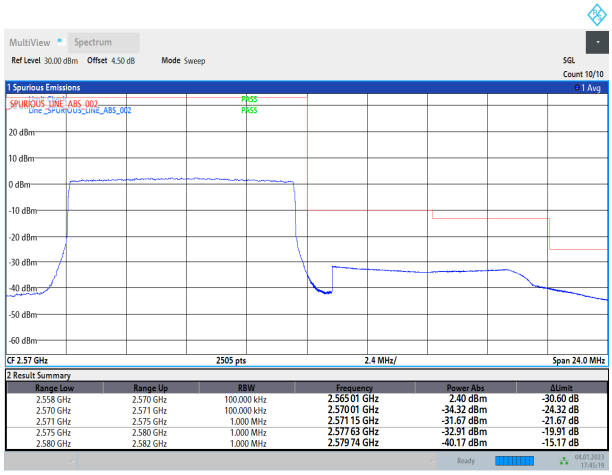
Band7-10MHz-QPSK-21400-1RB#49



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.558 GHz	2.570 GHz	100.000 kHz	2.569 41 GHz	19.48 dBm	-13.52 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.570 00 GHz	-35.72 dBm	-25.72 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 01 GHz	-41.05 dBm	-31.05 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.578 21 GHz	-34.22 dBm	-21.22 dB
2.580 GHz	2.582 GHz	1.000 MHz	2.579 82 GHz	-53.73 dBm	-28.73 dB

Band7-10MHz-QPSK-21400-50RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.558 GHz	2.570 GHz	100.000 kHz	2.565 01 GHz	2.40 dBm	-30.60 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.570 01 GHz	-34.32 dBm	-24.32 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 15 GHz	-31.67 dBm	-21.67 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.577 63 GHz	-32.91 dBm	-19.91 dB
2.580 GHz	2.582 GHz	1.000 MHz	2.579 74 GHz	-40.17 dBm	-15.17 dB

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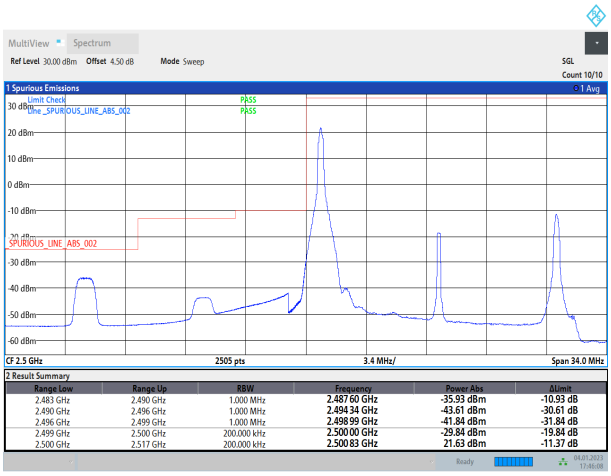
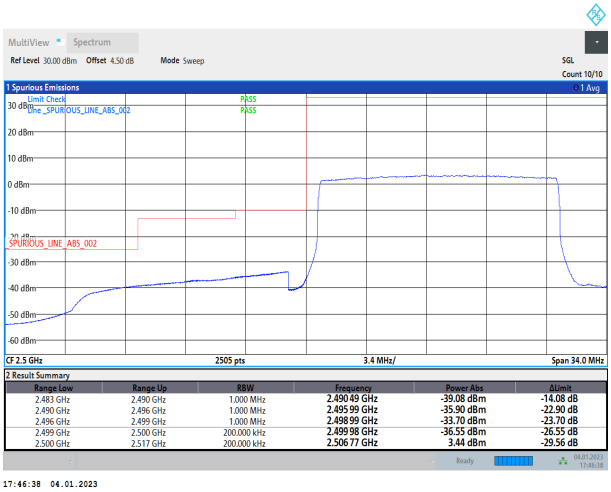
Band7-15MHz-QPSK-20825-1RB#0



Band7-15MHz-QPSK-20825-75RB#0



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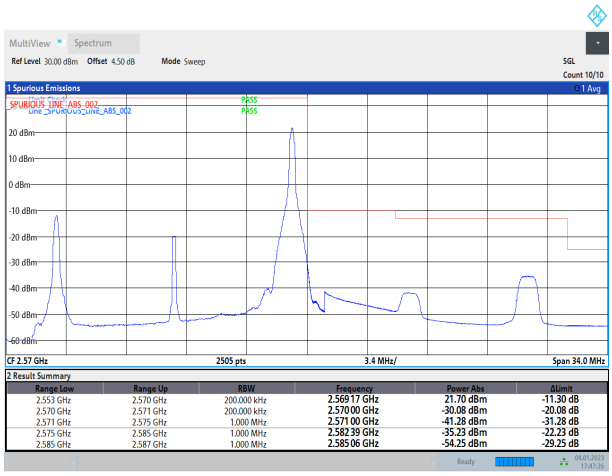
Band7-15MHz-QPSK-21375-1RB#74



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.553 GHz	2.570 GHz	200.000 kHz	2.569 17 GHz	21.70 dBm	-11.30 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.570 00 GHz	-30.08 dBm	-20.08 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 00 GHz	-41.28 dBm	-31.28 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.582 39 GHz	-35.23 dBm	-22.23 dB
2.585 GHz	2.587 GHz	1.000 MHz	2.585 06 GHz	-54.25 dBm	-29.25 dB

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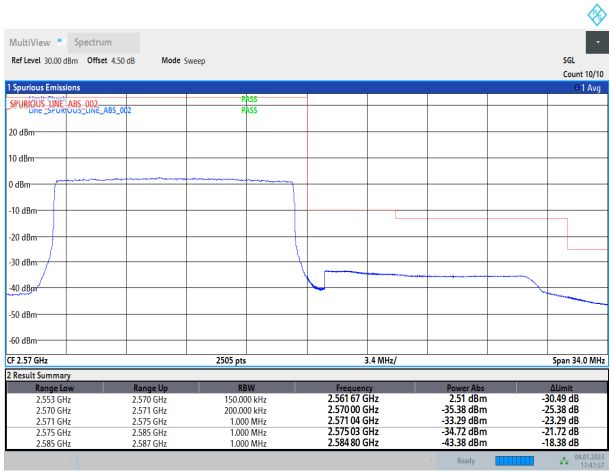
Band7-15MHz-QPSK-21375-75RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.553 GHz	2.570 GHz	150.000 kHz	2.561 67 GHz	2.51 dBm	-30.49 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.570 00 GHz	-35.38 dBm	-25.38 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 04 GHz	-33.29 dBm	-23.29 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.575 03 GHz	-34.72 dBm	-21.72 dB
2.585 GHz	2.587 GHz	1.000 MHz	2.584 80 GHz	-43.38 dBm	-18.38 dB

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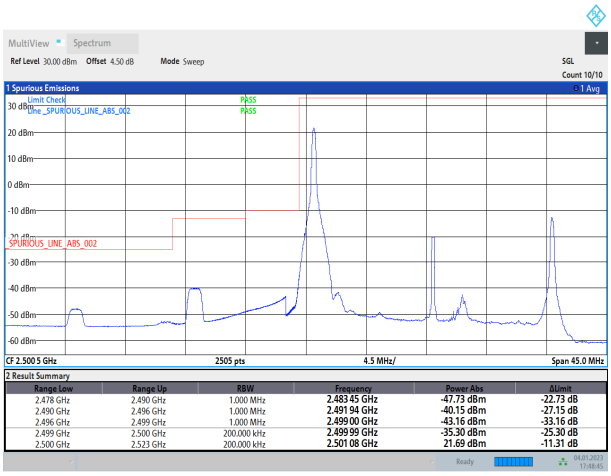
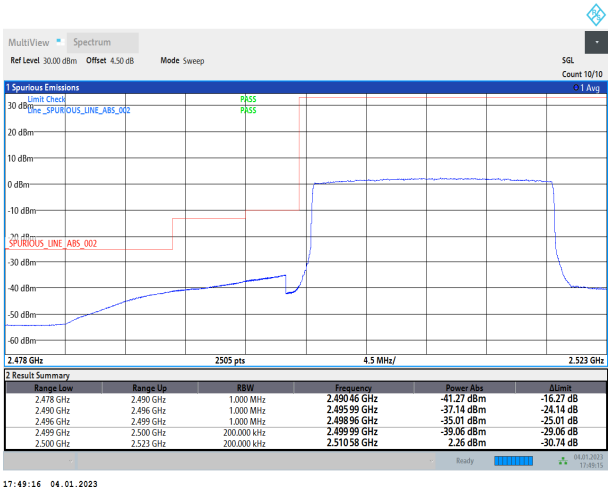
Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-100RB#0



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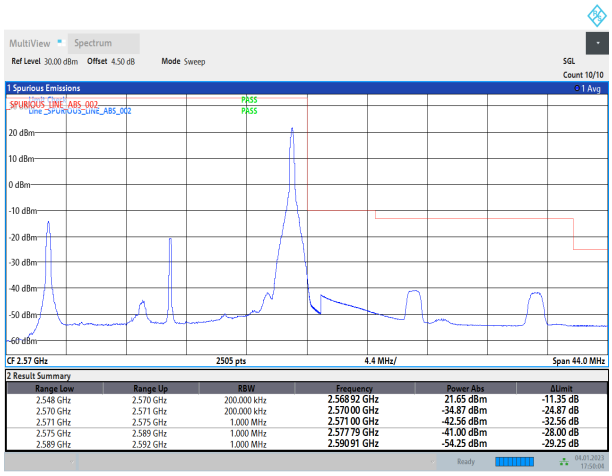
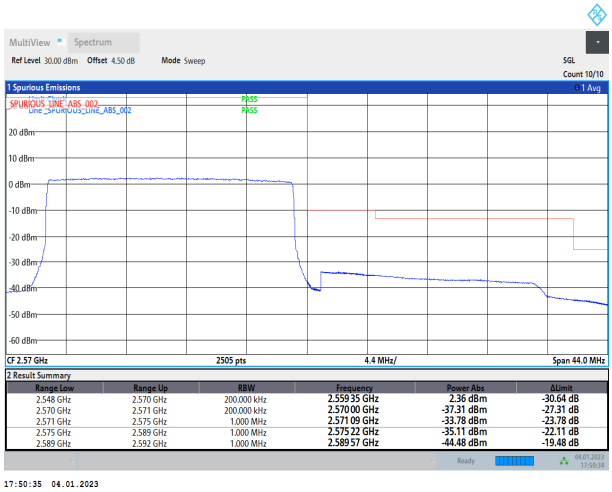
Band7-20MHz-QPSK-21350-1RB#99



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.548 GHz	2.570 GHz	200.000 kHz	2.568 92 GHz	21.65 dBm	-11.35 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.570 00 GHz	-34.87 dBm	-24.87 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 00 GHz	-42.56 dBm	-32.56 dB
2.575 GHz	2.589 GHz	1.000 MHz	2.577 79 GHz	-41.00 dBm	-28.00 dB
2.589 GHz	2.592 GHz	1.000 MHz	2.590 91 GHz	-54.25 dBm	-29.25 dB

Band7-20MHz-QPSK-21350-100RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.548 GHz	2.570 GHz	200.000 kHz	2.559 35 GHz	2.36 dBm	-30.64 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.570 00 GHz	-37.31 dBm	-27.31 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 09 GHz	-33.78 dBm	-23.78 dB
2.575 GHz	2.589 GHz	1.000 MHz	2.575 22 GHz	-35.11 dBm	-22.11 dB
2.589 GHz	2.592 GHz	1.000 MHz	2.589 57 GHz	-44.48 dBm	-19.48 dB

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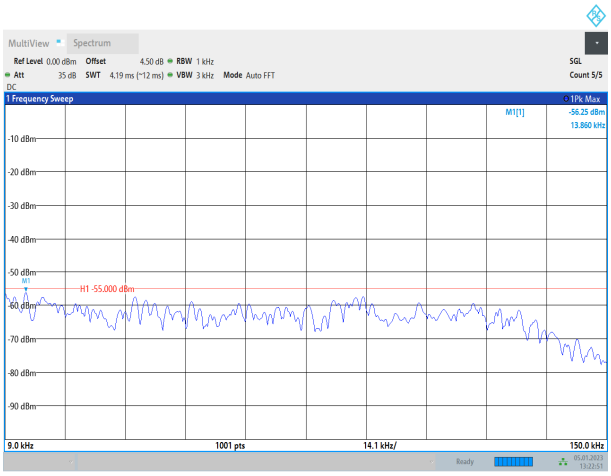
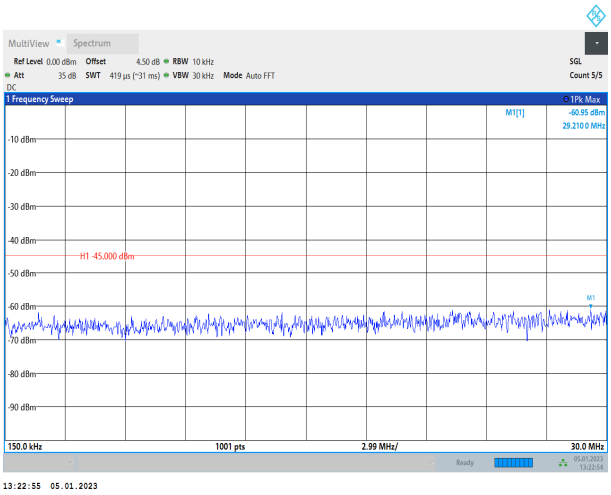
Conducted Spurious Emission

Test Graphs

Band7-20MHz-QPSK-20850-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-20850-1RB#0-Range2:0.15~30MHz



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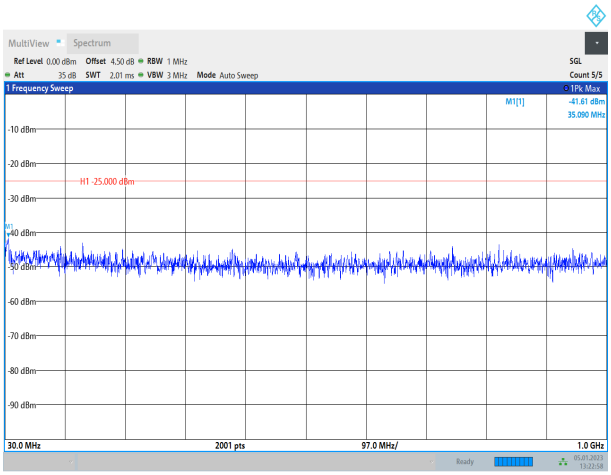
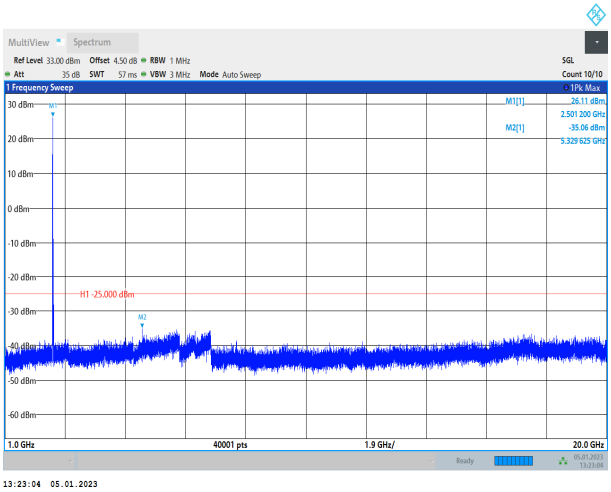
Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



Band7-20MHz-QPSK-20850-1RB#0-Range4:1000~20000MHz



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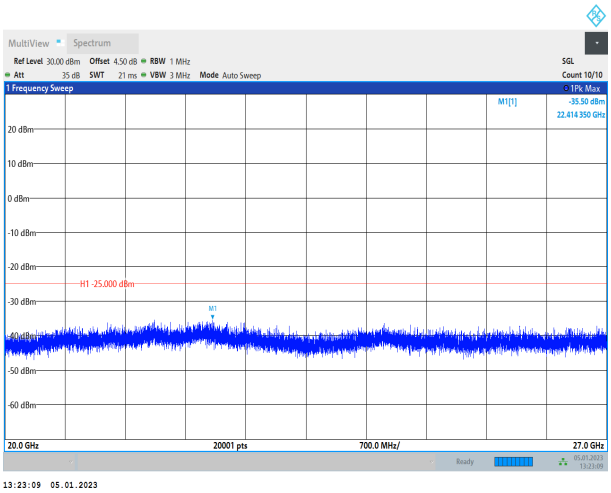
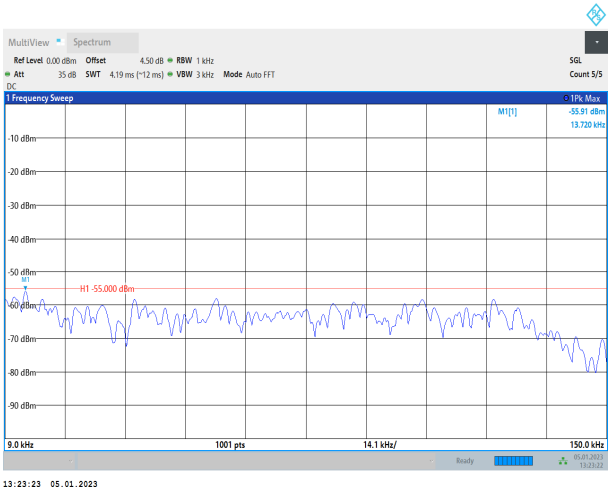
Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



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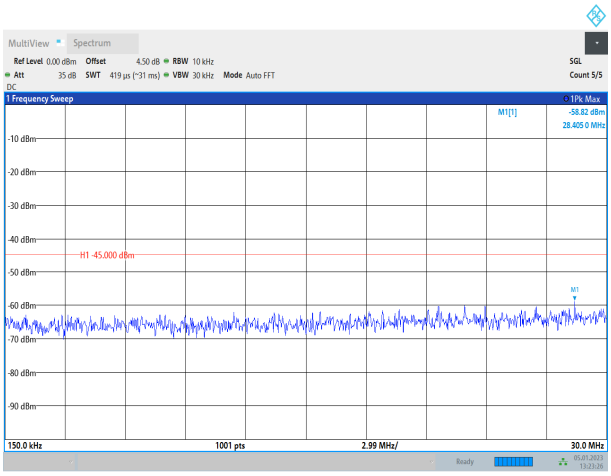
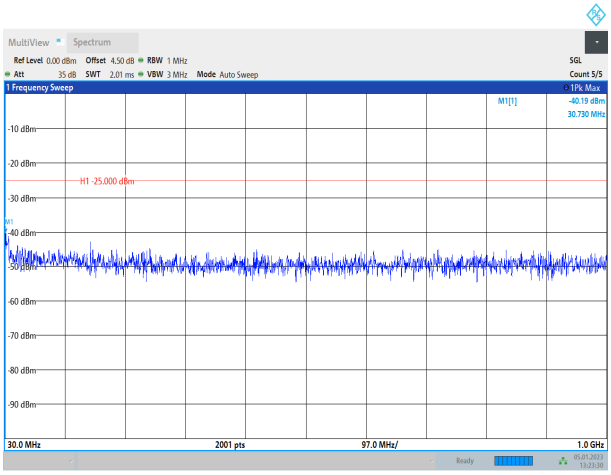
Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



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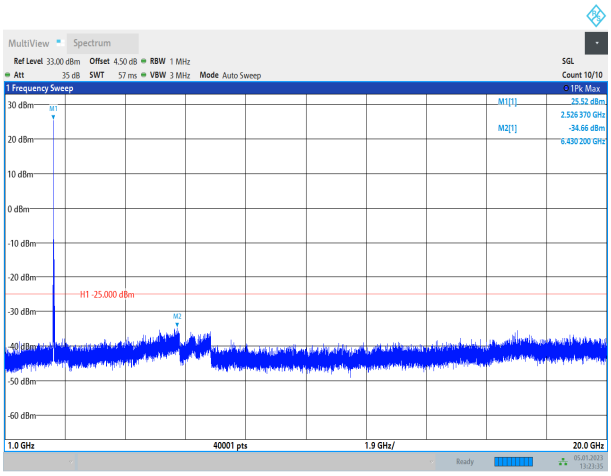

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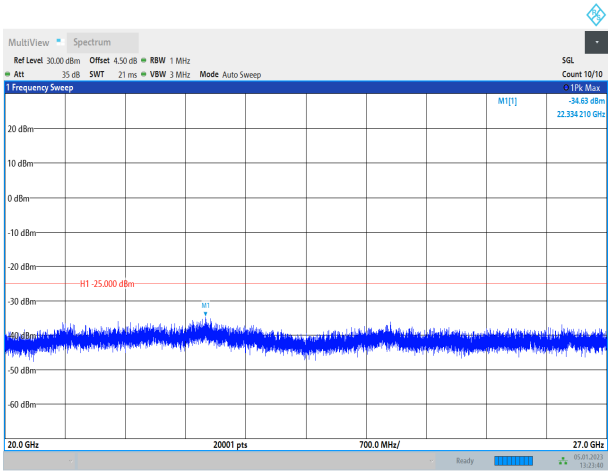
Band7-20MHz-QPSK-21100-1RB#0-Range5:20000~27000MHz



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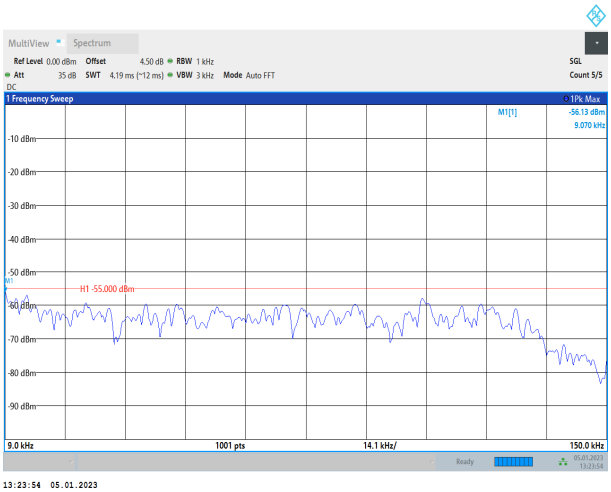
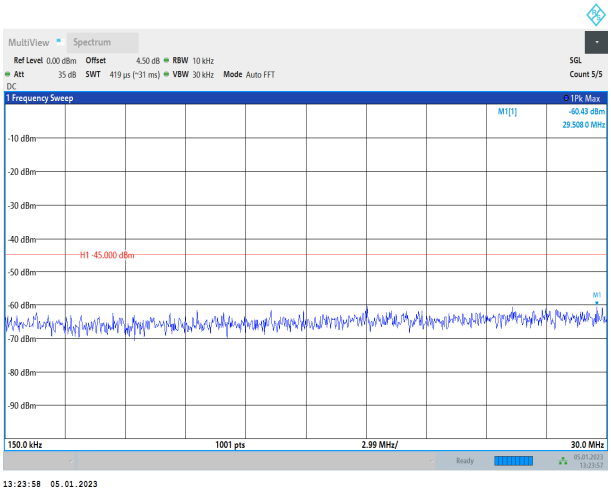
Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz



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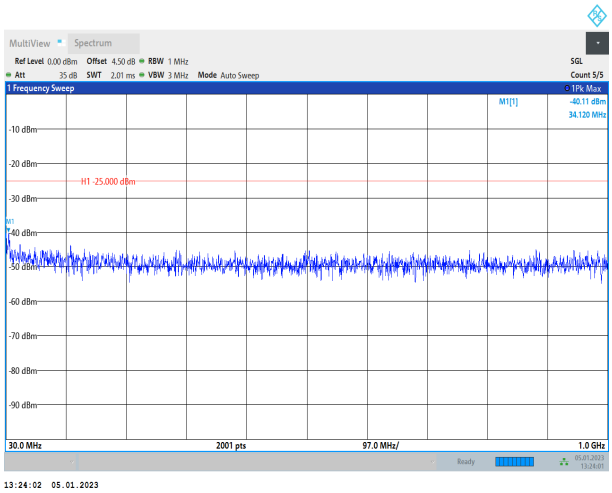
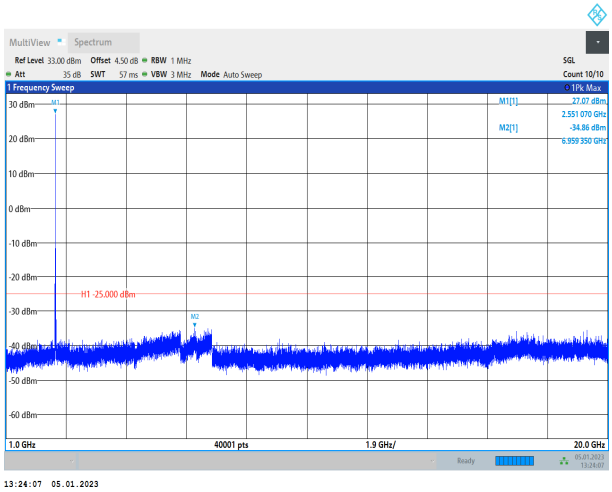
Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



Band7-20MHz-QPSK-21350-1RB#0-Range4:1000~20000MHz



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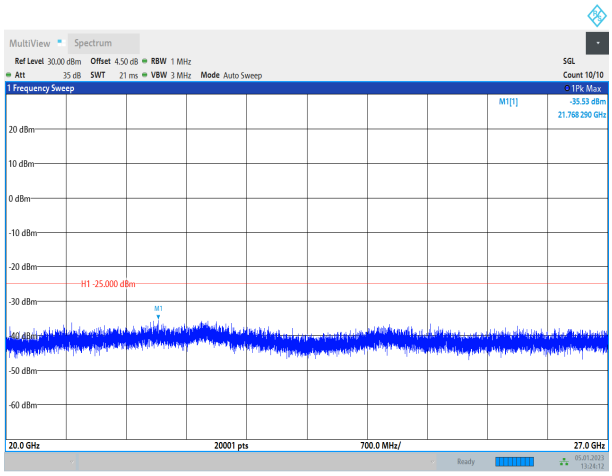
Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz


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Field Strength of Spurious Radiation

Test Band = LTE Band7_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	40.10	-45.63	32.88	-67.91	-25.00	42.91	145	135	Horizontal
2	7503.2700	39.81	-43.13	36.44	-62.14	-25.00	37.14	256	270	Horizontal
3	10004.3600	34.96	-39.23	38.50	-61.04	-25.00	36.04	291	90	Horizontal
4	12505.4500	32.95	-36.99	39.18	-60.12	-25.00	35.12	147	226	Horizontal
5	15006.5400	31.71	-34.65	39.21	-58.99	-25.00	33.99	185	332	Horizontal
6	17507.6300	32.52	-34.95	39.22	-58.47	-25.00	33.47	186	357	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	5002.1800	39.94	-45.63	32.88	-68.07	-25.00	43.07	144	16	Vertical
2	7503.2700	39.25	-43.13	36.44	-62.70	-25.00	37.70	125	299	Vertical
3	10004.3600	35.46	-39.23	38.50	-60.54	-25.00	35.54	163	104	Vertical
4	12505.4500	33.29	-36.99	39.18	-59.78	-25.00	34.78	211	44	Vertical
5	15006.5400	31.30	-34.65	39.21	-59.40	-25.00	34.40	180	135	Vertical
6	17507.6300	32.36	-34.95	39.22	-58.63	-25.00	33.63	176	164	Vertical

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Test Band = LTE Band7_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.1800	40.51	-45.50	32.91	-67.34	-25.00	42.34	247	181	Horizontal
2	7578.2700	38.91	-42.97	36.40	-62.92	-25.00	37.92	184	0	Horizontal
3	10104.3600	35.57	-39.14	38.66	-60.17	-25.00	35.17	185	150	Horizontal
4	12630.4500	33.08	-37.33	39.33	-60.18	-25.00	35.18	180	90	Horizontal
5	15156.5400	31.94	-34.37	39.01	-58.68	-25.00	33.68	133	195	Horizontal
6	17682.6300	33.62	-33.89	40.06	-55.47	-25.00	30.47	269	272	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	5052.1800	40.44	-45.50	32.91	-67.41	-25.00	42.41	147	226	Vertical
2	7578.2700	39.18	-42.97	36.40	-62.65	-25.00	37.65	158	181	Vertical
3	10104.3600	35.41	-39.14	38.66	-60.33	-25.00	35.33	196	166	Vertical
4	12630.4500	33.27	-37.33	39.33	-59.99	-25.00	34.99	152	150	Vertical
5	15156.5400	31.14	-34.37	39.01	-59.48	-25.00	34.48	146	197	Vertical
6	17682.6300	32.95	-33.89	40.06	-56.14	-25.00	31.14	291	2	Vertical

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Test Band = LTE Band7_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	40.37	-45.37	32.94	-67.32	-25.00	42.32	147	150	Horizontal
2	7653.2700	38.94	-43.03	36.49	-62.86	-25.00	37.86	126	7	Horizontal
3	10204.3600	32.89	-39.48	38.81	-63.04	-25.00	38.04	288	87	Horizontal
4	12755.4500	30.11	-36.76	39.55	-62.36	-25.00	37.36	145	87	Horizontal
5	15306.5400	28.26	-34.36	38.82	-62.54	-25.00	37.54	126	87	Horizontal
6	17857.6300	32.64	-34.56	41.24	-55.94	-25.00	30.94	261	59	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	5102.1800	41.08	-45.37	32.94	-66.61	-25.00	41.61	244	356	Vertical
2	7653.2700	38.55	-43.03	36.49	-63.25	-25.00	38.25	174	42	Vertical
3	10204.3600	33.31	-39.48	38.81	-62.62	-25.00	37.62	158	59	Vertical
4	12755.4500	30.11	-36.76	39.55	-62.36	-25.00	37.36	169	254	Vertical
5	15306.5400	29.10	-34.36	38.82	-61.70	-25.00	36.70	199	270	Vertical
6	17857.6300	32.55	-34.56	41.24	-56.03	-25.00	31.03	145	356	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 (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-4.10	-0.001617	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-1.20	-0.000473	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-3.50	-0.001381	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-0.90	-0.000355	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-3.80	-0.001499	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-1.90	-0.000750	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-0.90	-0.000355	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-4.70	-0.001854	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-2.40	-0.000947	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-0.40	-0.000158	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.70	-0.001460	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-2.50	-0.000986	PASS

---End of Attachment---

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