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Rev.: 01

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# Appendix B.1

## LTE Band 2



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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.44	23.50	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.49	23.55	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.43	23.49	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.43	22.49	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.30	23.36	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.40	23.46	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.32	23.38	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.31	22.37	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.39	23.45	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.50	23.56	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.39	23.45	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.47	22.53	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.59	22.65	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.81	22.87	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.79	22.85	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.53	21.59	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.61	22.67	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.69	22.75	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.59	22.65	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.39	21.45	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.57	22.63	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.83	22.89	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.73	22.79	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.52	21.58	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.46	23.52	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.49	23.55	33.00	PASS



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Wireless Laboratories

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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t (86-512) 62992980 sgs.china@sgs.com



Band2	3MHz	QPSK	18615	1RB#14	23.49	23.55	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.54	22.60	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.32	23.38	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.36	23.42	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.29	23.35	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.43	22.49	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.44	23.50	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.47	23.53	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.42	23.48	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.48	22.54	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.81	22.87	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.76	22.82	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.79	22.85	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.58	21.64	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.66	22.72	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.65	22.71	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.61	22.67	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.43	21.49	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.73	22.79	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.76	22.82	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.70	22.76	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.53	21.59	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.52	23.58	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.52	23.58	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.56	23.62	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.53	22.59	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.36	23.42	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.37	23.43	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.41	23.47	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.44	22.50	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.42	23.48	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.42	23.48	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.45	23.51	33.00	PASS



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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Band2	5MHz	QPSK	19175	25RB#0	22.51	22.57	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.75	22.81	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.85	22.91	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.83	22.89	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.53	21.59	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.68	22.74	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.58	22.64	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.58	22.64	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.43	21.49	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.67	22.73	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.68	22.74	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.68	22.74	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.54	21.60	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.46	23.52	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.54	23.60	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.45	23.51	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.45	22.51	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.38	23.44	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.38	23.44	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.35	23.41	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.47	22.53	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.42	23.48	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.44	23.50	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.47	23.53	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.46	22.52	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.82	22.88	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.72	22.78	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.70	22.76	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.47	21.53	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.69	22.75	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.67	22.73	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.68	22.74	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.42	21.48	33.00	PASS



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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t (86-512) 62992980 sgs.china@sgs.com



Band2	10MHz	16QAM	19150	1RB#0	22.60	22.66	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.66	22.72	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.81	22.87	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.50	21.56	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.44	23.50	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.57	23.63	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.49	23.55	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.47	22.53	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.34	23.40	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.39	23.45	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.39	23.45	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.41	22.47	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.34	23.40	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.41	23.47	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.46	23.52	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.46	22.52	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.74	22.80	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.82	22.88	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.72	22.78	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.50	21.56	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.55	22.61	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.75	22.81	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.73	22.79	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.43	21.49	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.66	22.72	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.69	22.75	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.69	22.75	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.49	21.55	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.40	23.46	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.46	23.52	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.45	23.51	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.48	22.54	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.40	23.46	33.00	PASS



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Band2	20MHz	QPSK	18900	1RB#49	23.36	23.42	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.40	23.46	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.42	22.48	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.28	23.34	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.38	23.44	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.46	23.52	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.44	22.50	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.76	22.82	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.71	22.77	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.82	22.88	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.48	21.54	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.71	22.77	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.59	22.65	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.58	22.64	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.39	21.45	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.59	22.65	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.68	22.74	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.81	22.87	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.43	21.49	33.00	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.52	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.64	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.52	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.44	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.44	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.42	13	PASS



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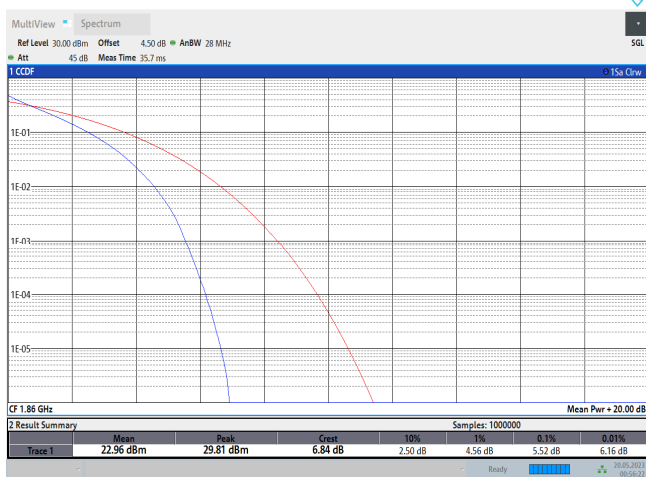
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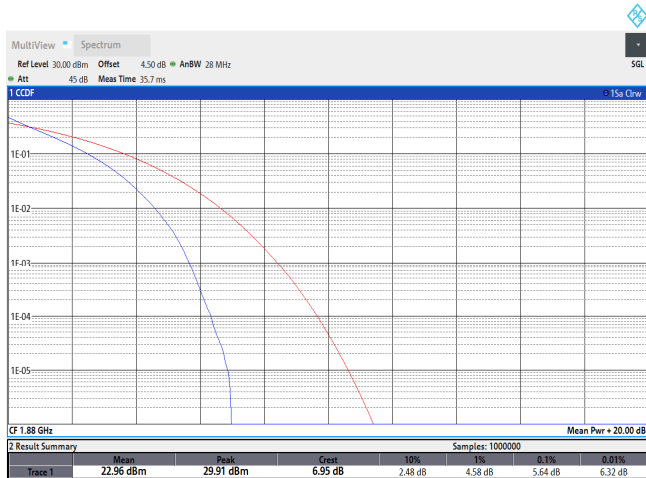
Test Graphs

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



00:56:22 20.05.2023

Band2-20MHz-QPSK-18900-100RB#0



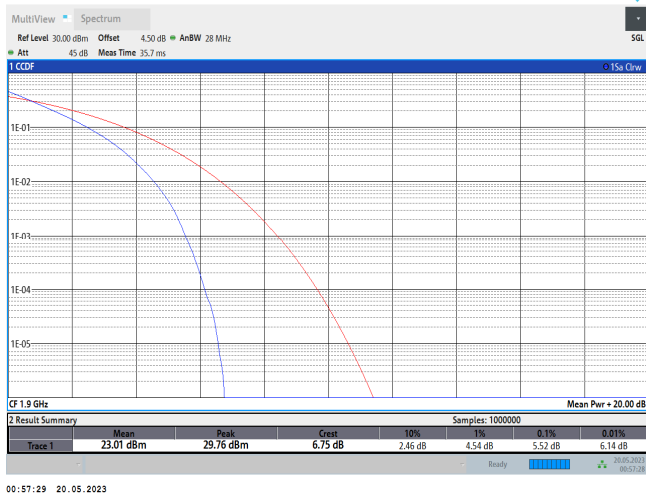
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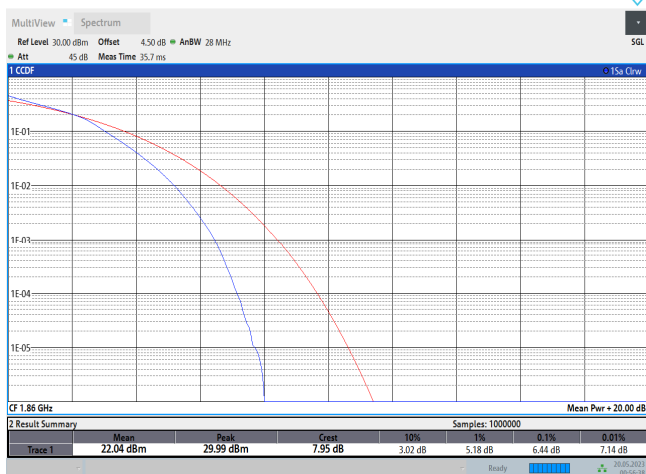


Band2-20MHz-QPSK-19100-100RB#0



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Band2-20MHz-16QAM-18700-100RB#0

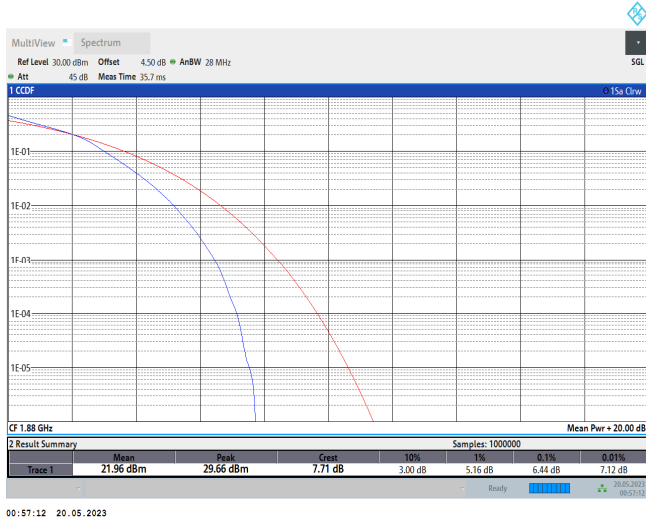


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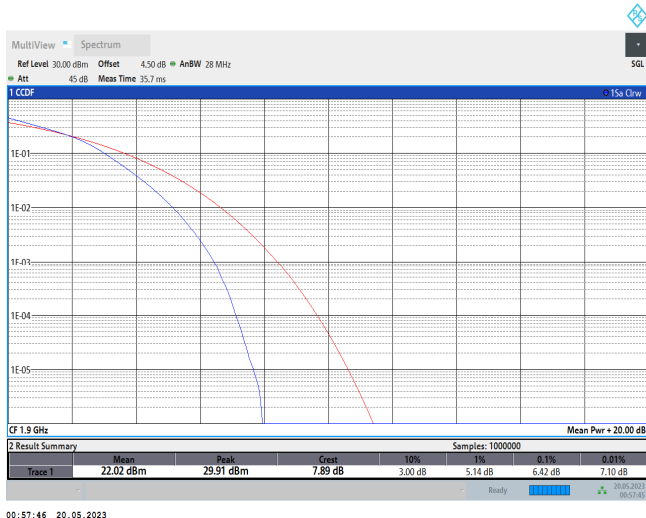


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Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.084	1.23	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.085	1.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.23	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.092	1.24	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.693	2.99	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.698	2.98	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.698	2.99	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.690	2.99	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.690	2.99	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.687	2.98	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.471	4.89	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.473	4.89	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.473	4.90	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.471	4.91	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.474	4.92	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.469	4.91	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.70	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.933	9.70	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.944	9.66	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.916	9.62	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.923	9.64	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.924	9.62	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.456	14.73	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.457	14.67	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.459	14.73	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.442	14.70	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.450	14.79	PASS



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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 12 of 52

Band2	15MHz	16QAM	19125	75RB#0	13.441	14.73	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.899	19.48	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.929	19.36	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.888	19.40	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.878	19.36	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.885	19.28	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.868	19.36	PASS



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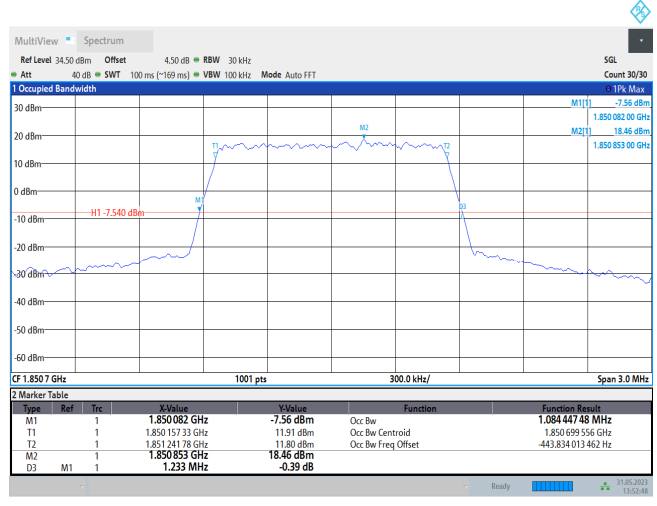
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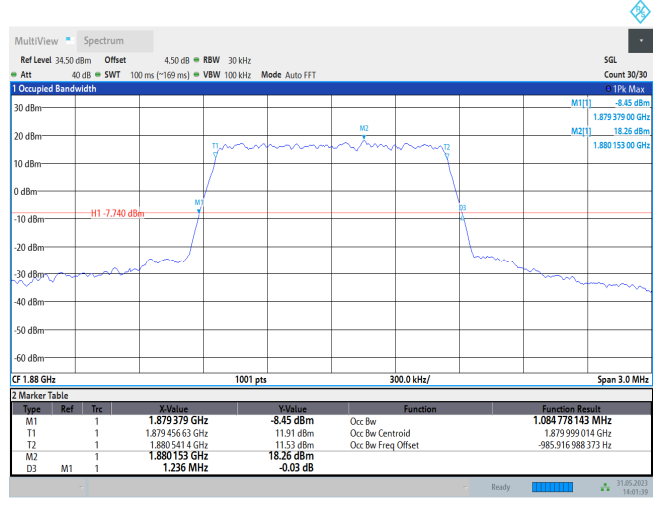
Test Graphs

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



13:52:48 31.05.2023

Band2-1.4MHz-QPSK-18900-6RB#0



14:01:39 31.05.2023

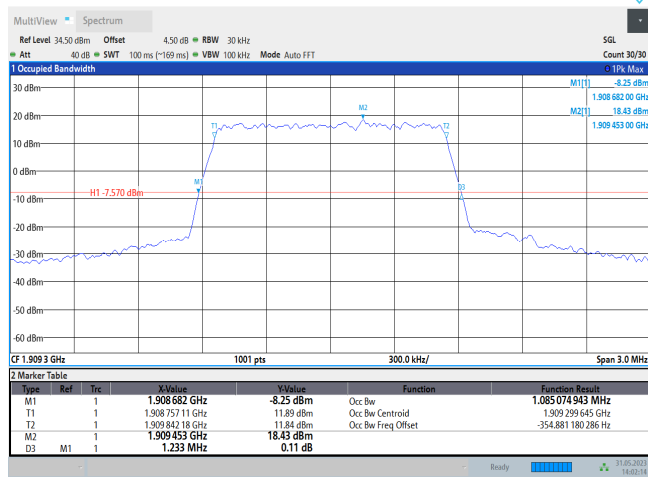


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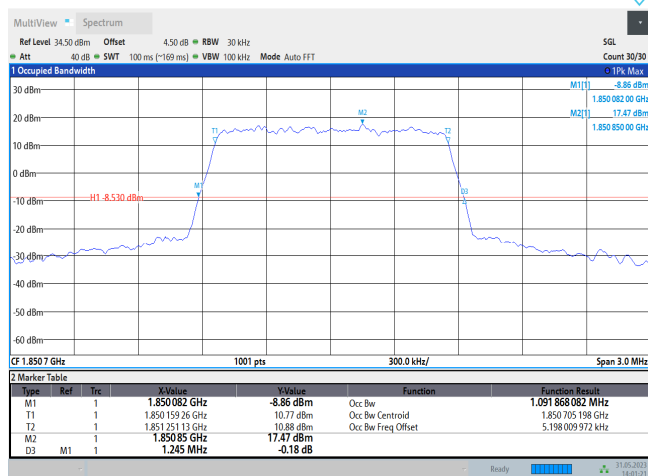
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Band2-1.4MHz-QPSK-19193-6RB#0



14:02:15 31.05.2023

Band2-1.4MHz-16QAM-18607-6RB#0

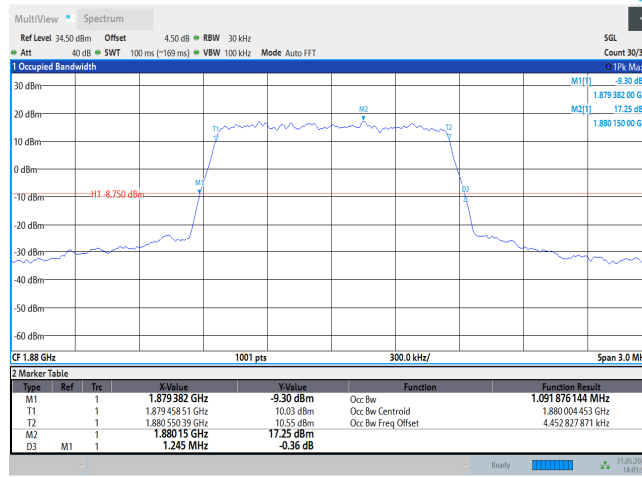


14:01:22 31.05.2023



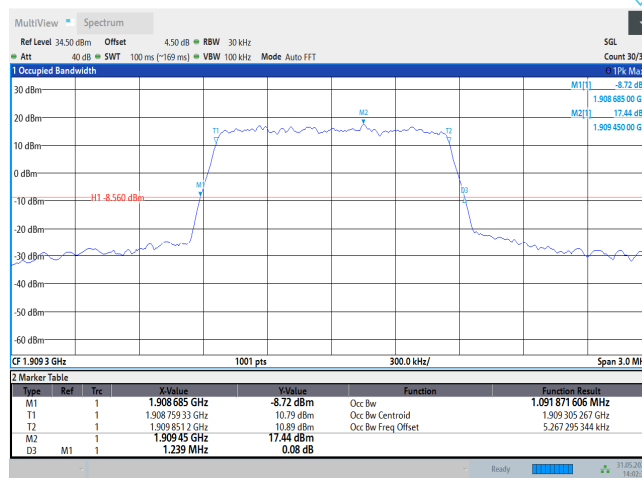
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Band2-1.4MHz-16QAM-18900-6RB#0



14:01:57 31.05.2023

Band2-1.4MHz-16QAM-19193-6RB#0



14:02:32 31.05.2023

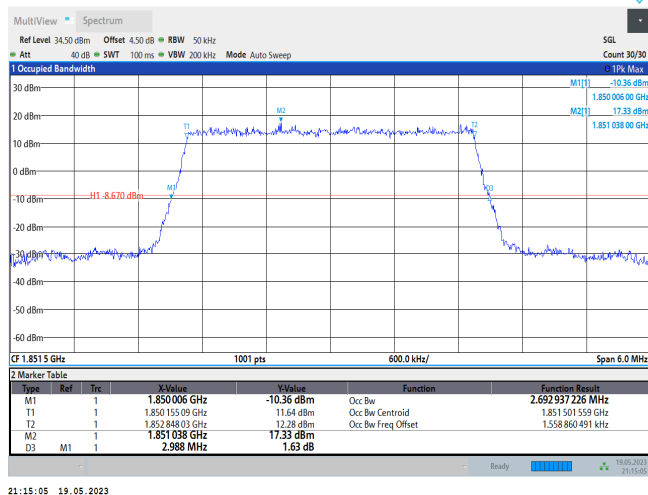


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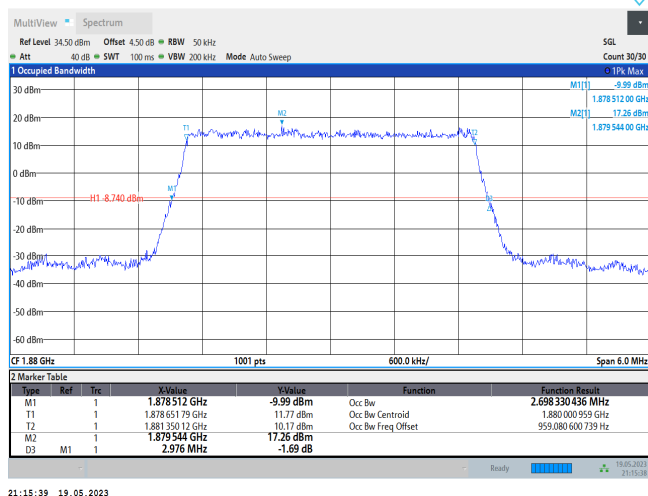
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Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-18900-15RB#0



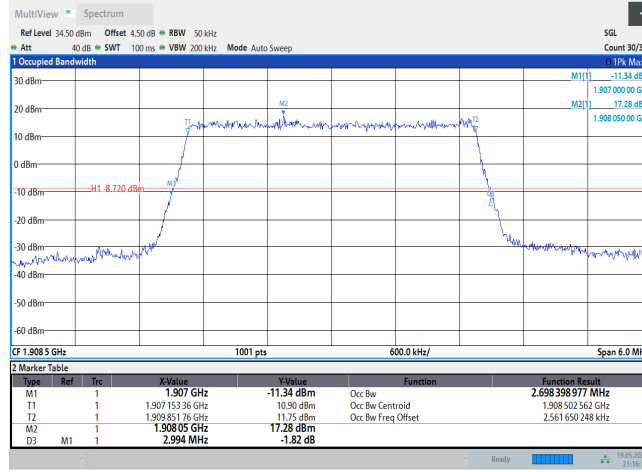
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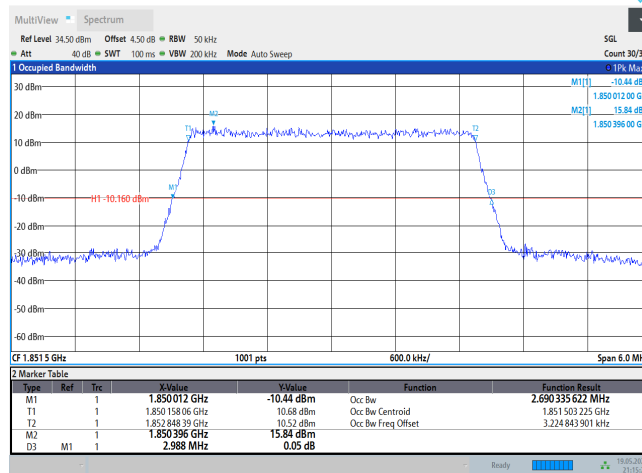


Band2-3MHz-QPSK-19185-15RB#0



21:16:11 19.05.2023

Band2-3MHz-16QAM-18615-15RB#0

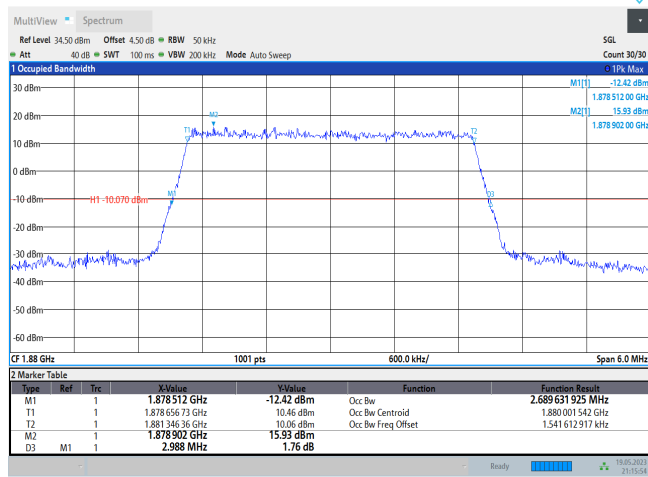


21:15:22 19.05.2023



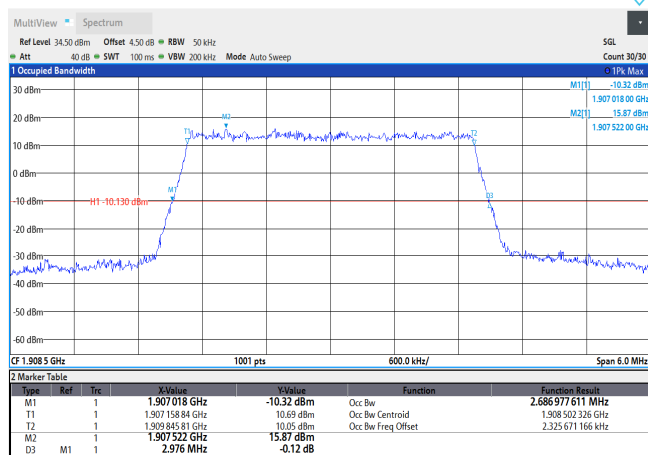
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Band2-3MHz-16QAM-18900-15RB#0



21:15:55 19.05.2023

Band2-3MHz-16QAM-19185-15RB#0

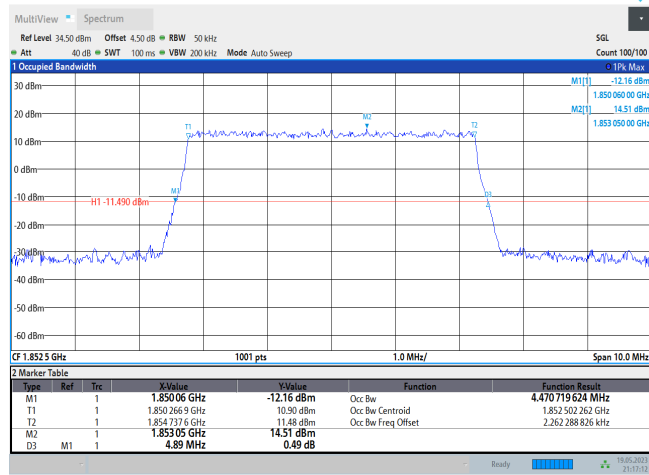


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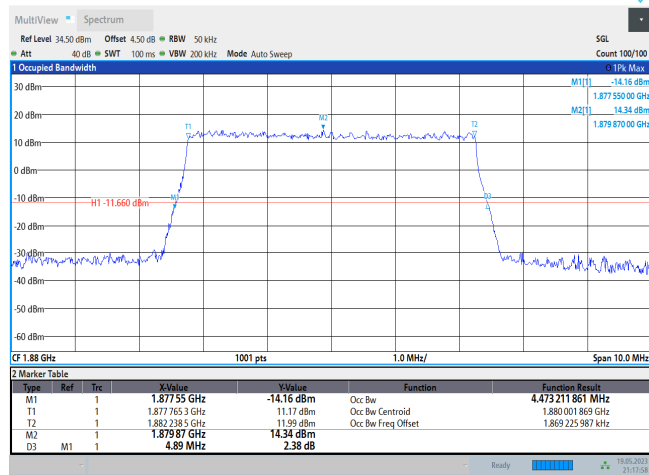
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Band2-5MHz-QPSK-18625-25RB#0



21:17:12 19.05.2023

Band2-5MHz-QPSK-18900-25RB#0

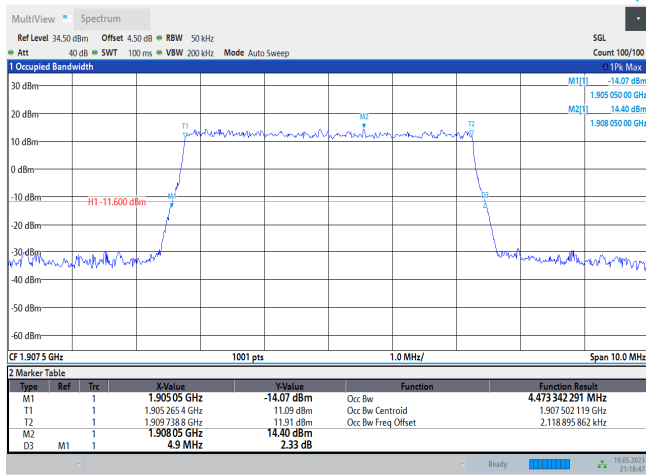


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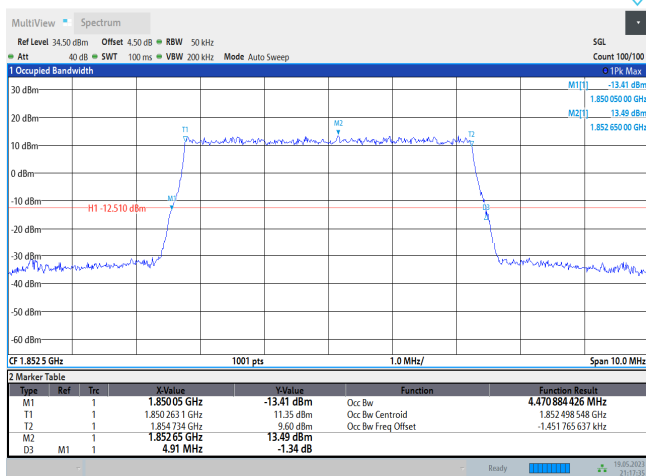
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Band2-5MHz-QPSK-19175-25RB#0



21:18:47 19.05.2023

Band2-5MHz-16QAM-18625-25RB#0

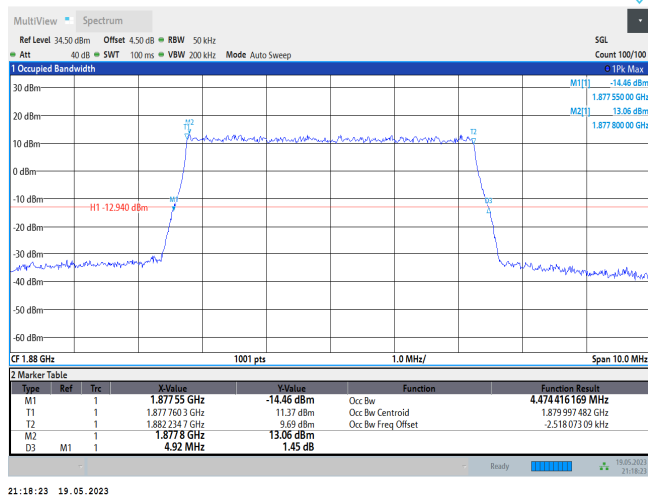


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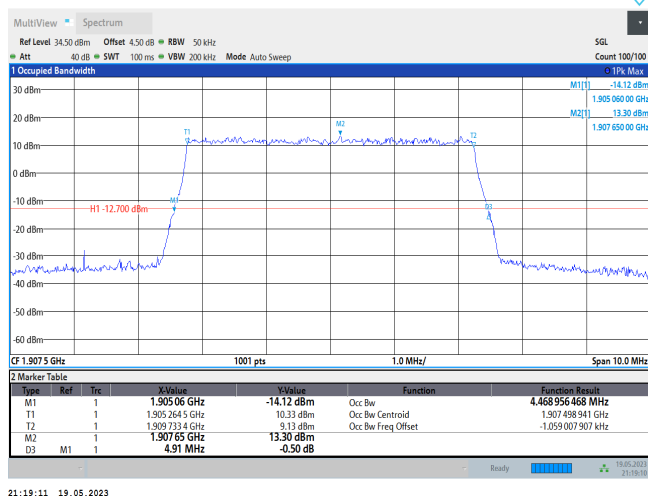
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Band2-5MHz-16QAM-18900-25RB#0



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Band2-5MHz-16QAM-19175-25RB#0

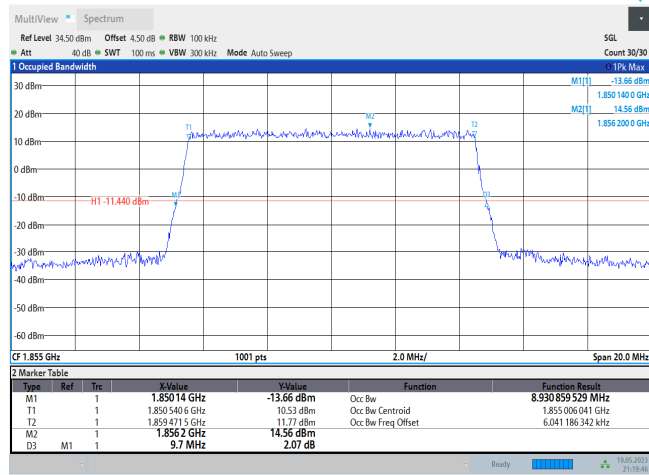


21:19:11 19.05.2023



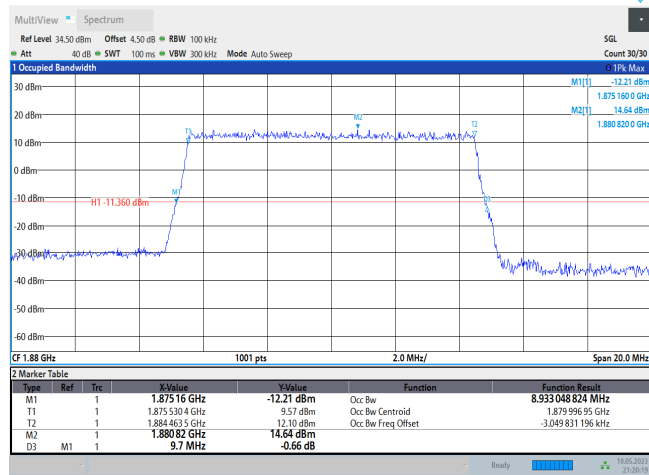
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Band2-10MHz-QPSK-18650-50RB#0



21:19:47 19.05.2023

Band2-10MHz-QPSK-18900-50RB#0



21:20:20 19.05.2023



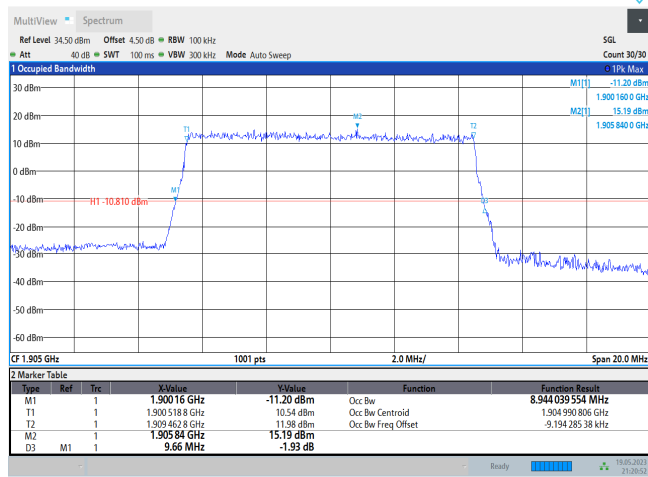
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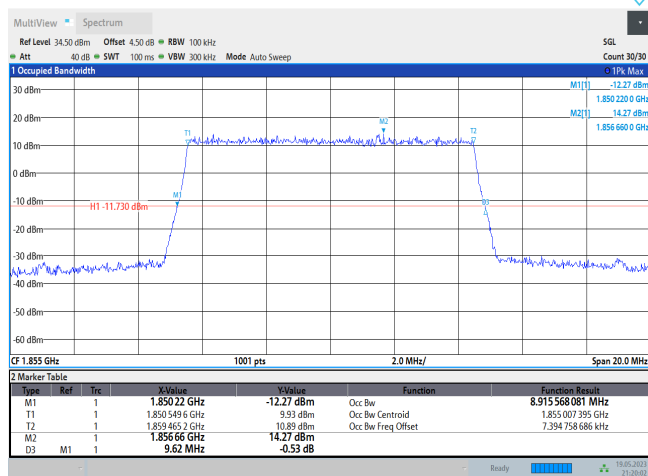
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Band2-10MHz-QPSK-19150-50RB#0



21:20:53 19.05.2023

Band2-10MHz-16QAM-18650-50RB#0

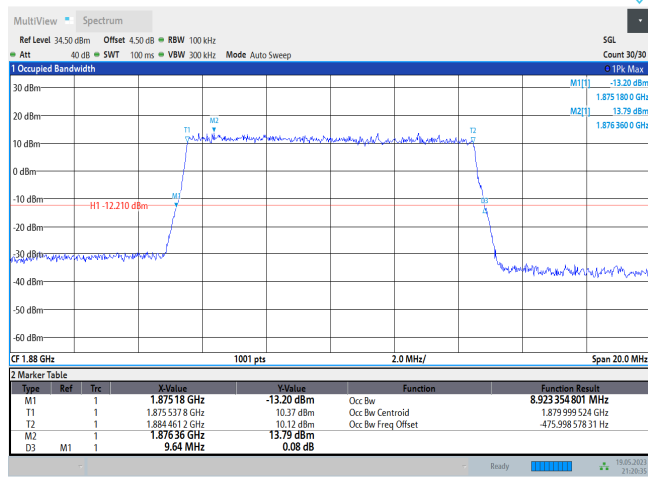


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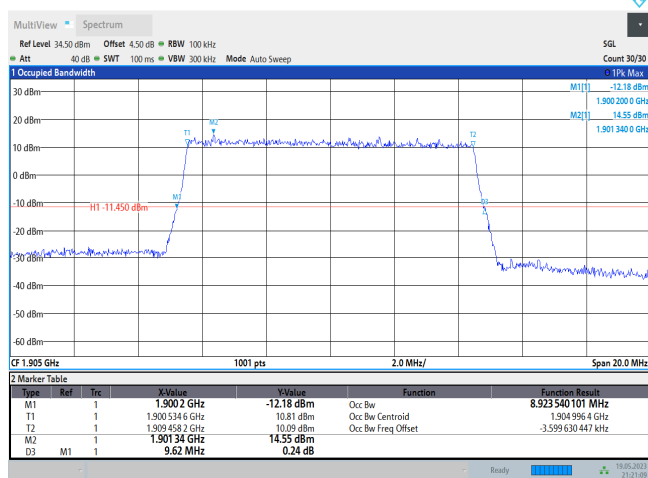
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Band2-10MHz-16QAM-18900-50RB#0



21:20:36 19.05.2023

Band2-10MHz-16QAM-19150-50RB#0



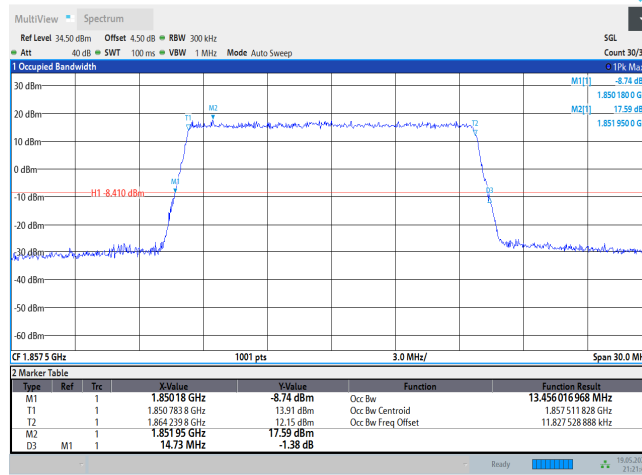
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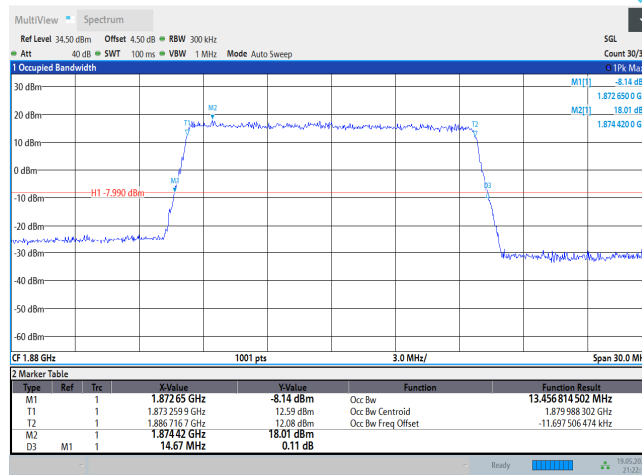


Band2-15MHz-QPSK-18675-75RB#0



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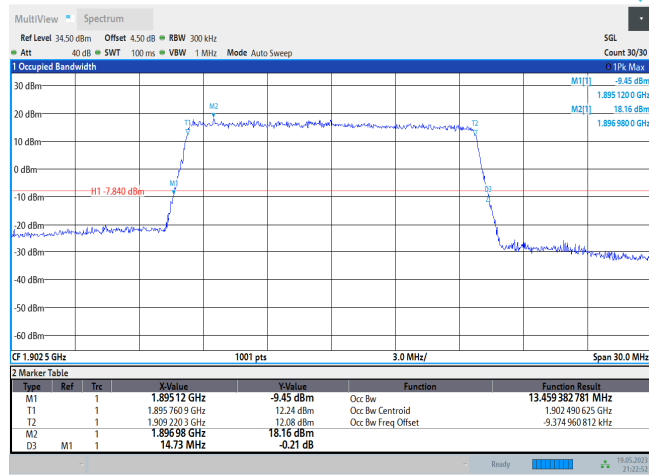


21:22:20 19.05.2023



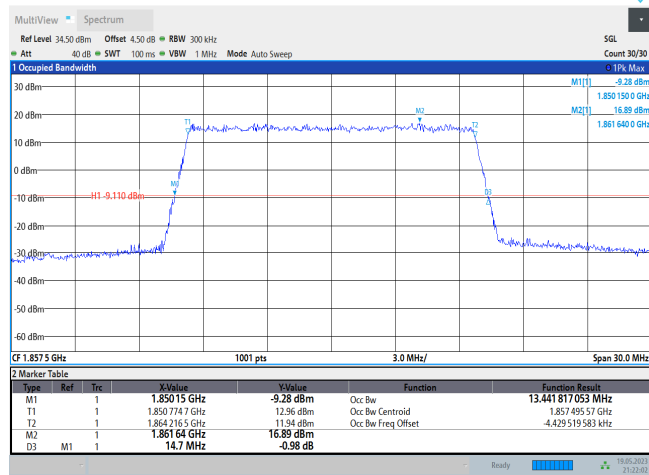
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Band2-15MHz-QPSK-19125-75RB#0



21:22:53 19.05.2023

Band2-15MHz-16QAM-18675-75RB#0

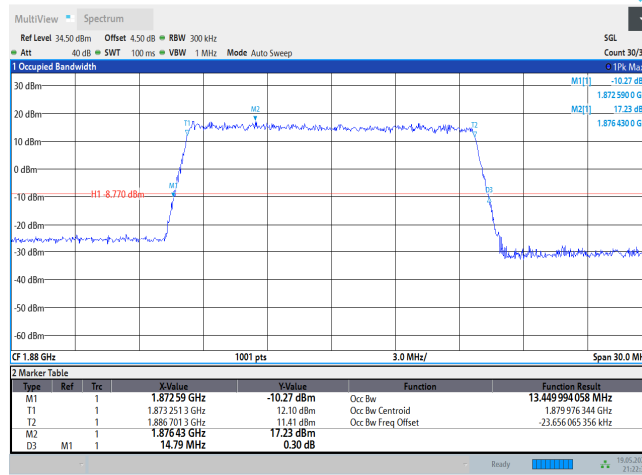


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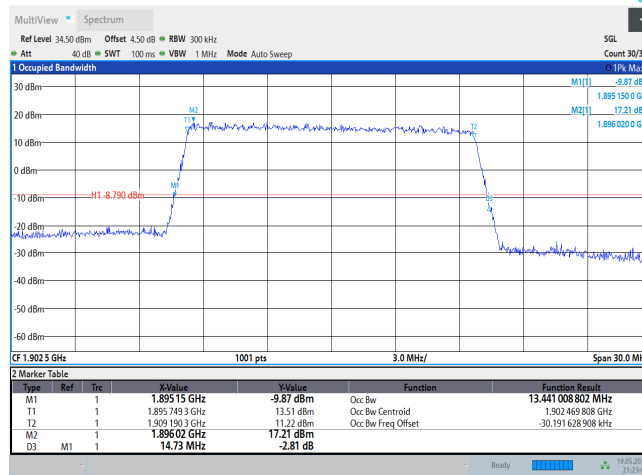
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Band2-15MHz-16QAM-18900-75RB#0



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Band2-15MHz-16QAM-19125-75RB#0

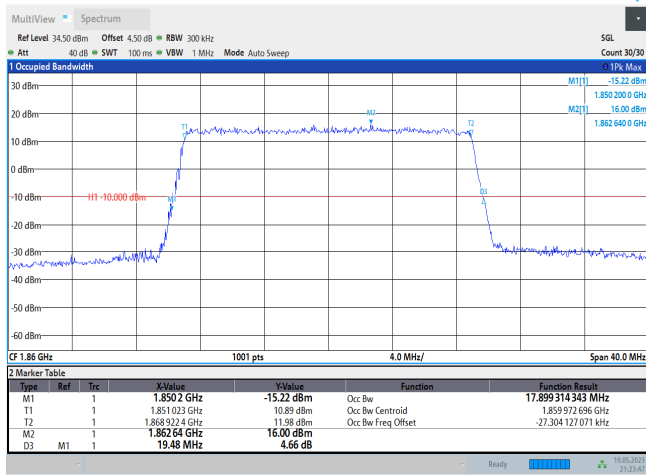


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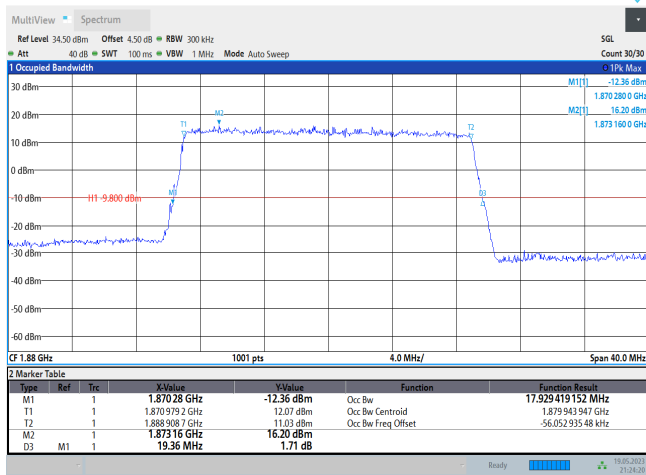


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Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-100RB#0

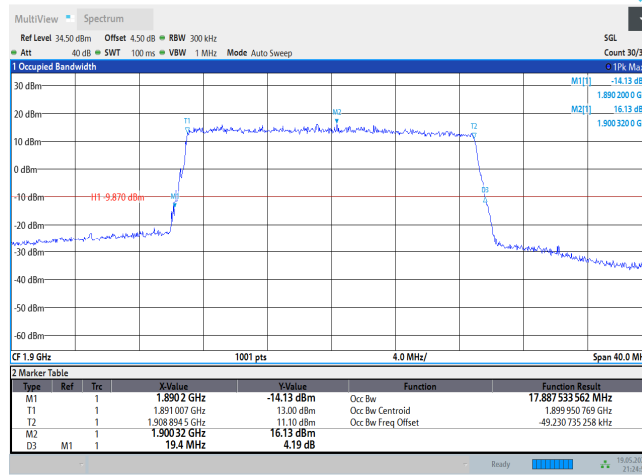


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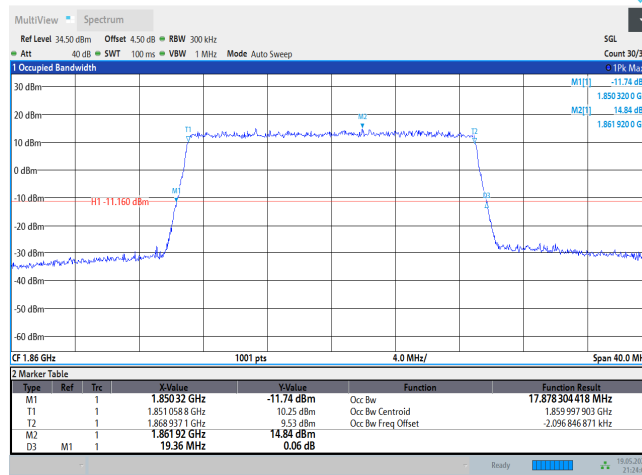
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Band2-20MHz-QPSK-19100-100RB#0



21:24:54 19.05.2023

Band2-20MHz-16QAM-18700-100RB#0



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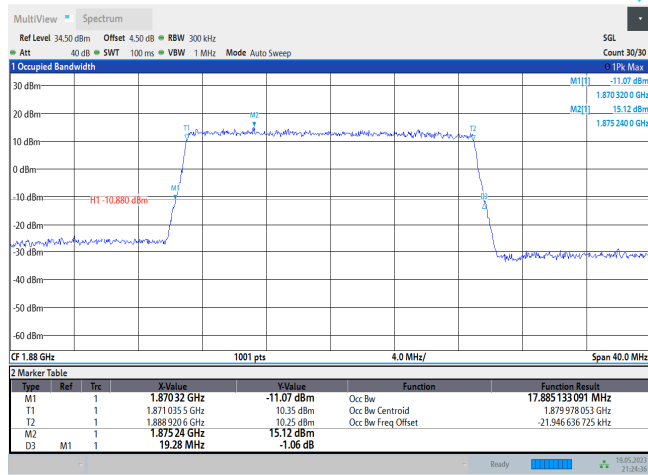


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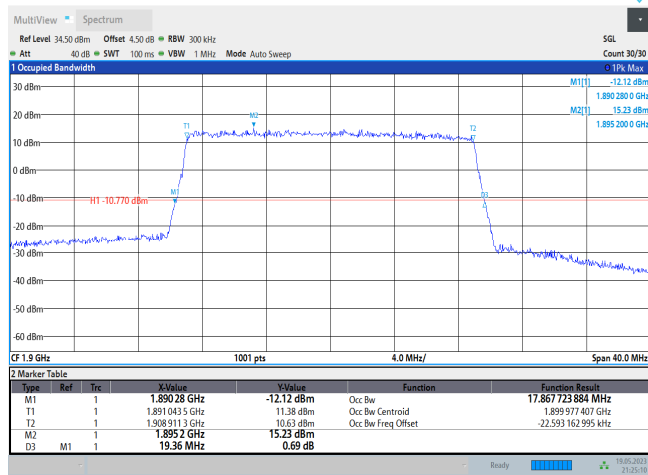
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Band2-20MHz-16QAM-18900-100RB#0



21:24:37 19.05.2023

Band2-20MHz-16QAM-19100-100RB#0



21:25:10 19.05.2023



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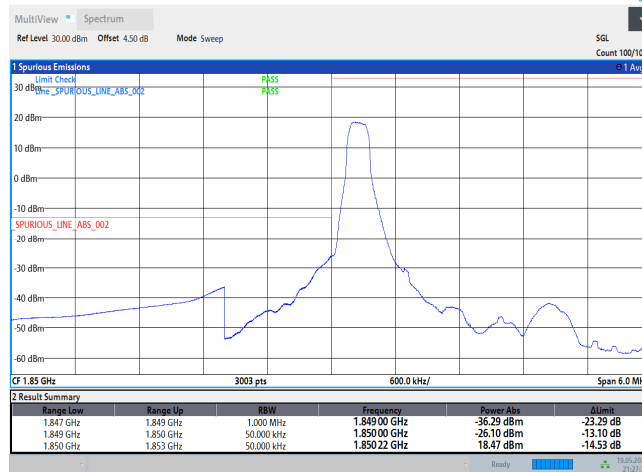
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## Band Edge

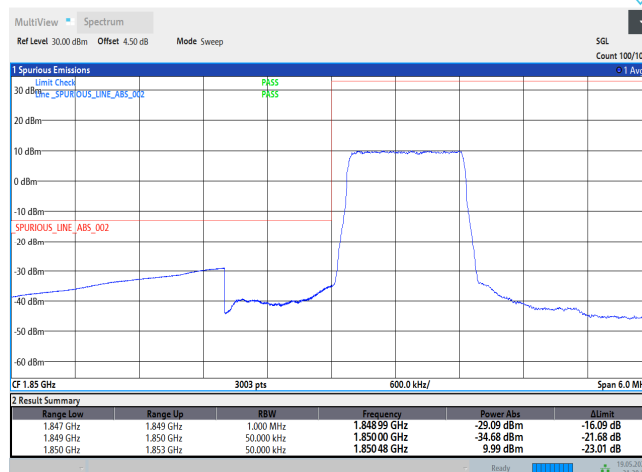
## Test Graphs

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



21:27:40 19.05.2023

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



21:29:55 19.05.2023



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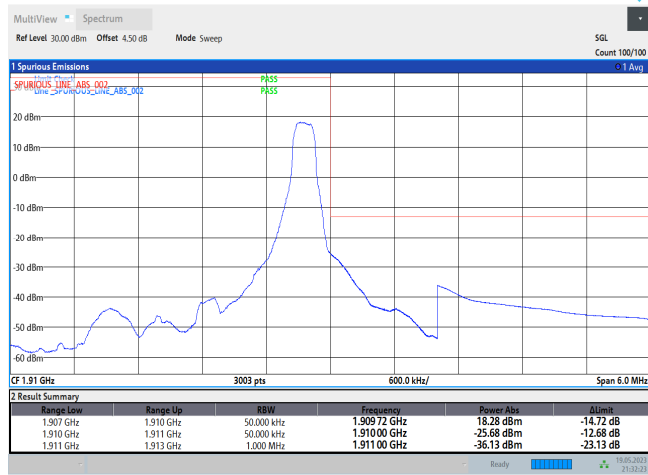
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Band2-1.4MHz-QPSK-19193-1RB#5



21:32:24 19.05.2023

Band2-1.4MHz-QPSK-19193-6RB#0



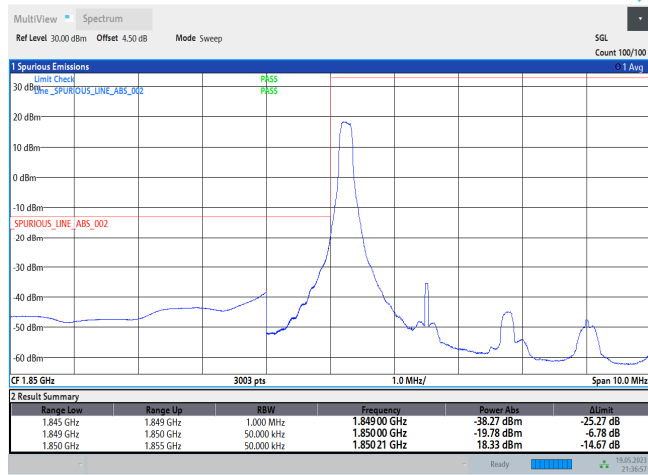
21:34:28 19.05.2023



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



21:36:58 19.05.2023

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

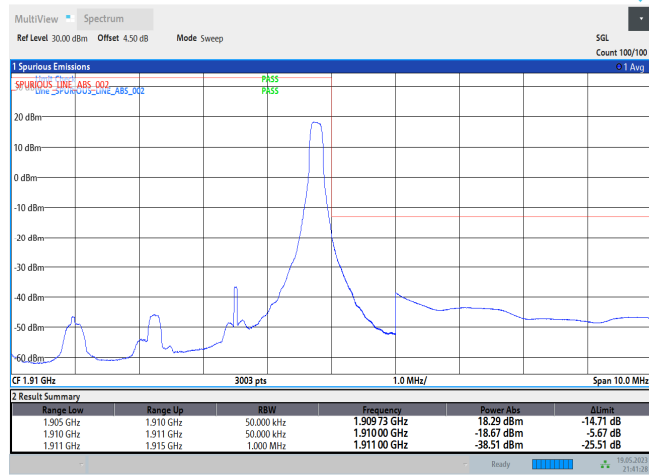


21:39:02 19.05.2023



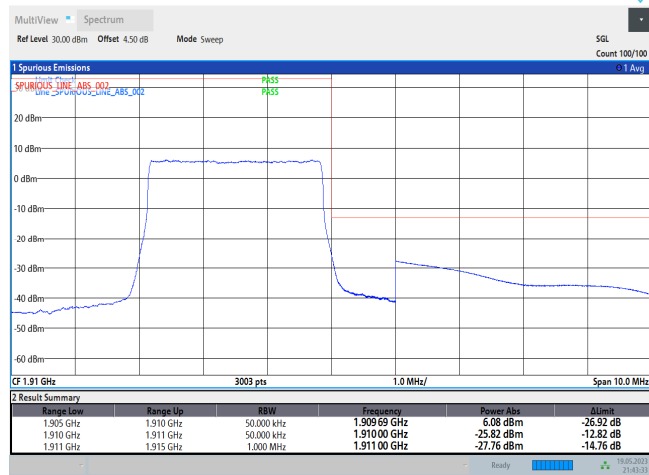
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Band2-3MHz-QPSK-19185-1RB#14



21:41:29 19.05.2023

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

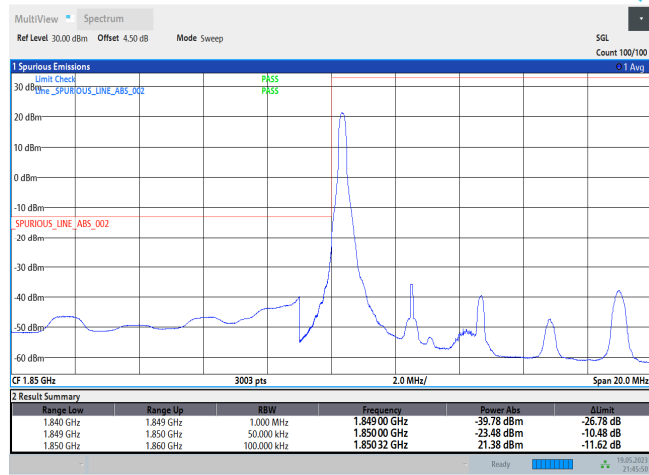


21:43:33 19.05.2023



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



21:45:51 19. 05. 2023

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

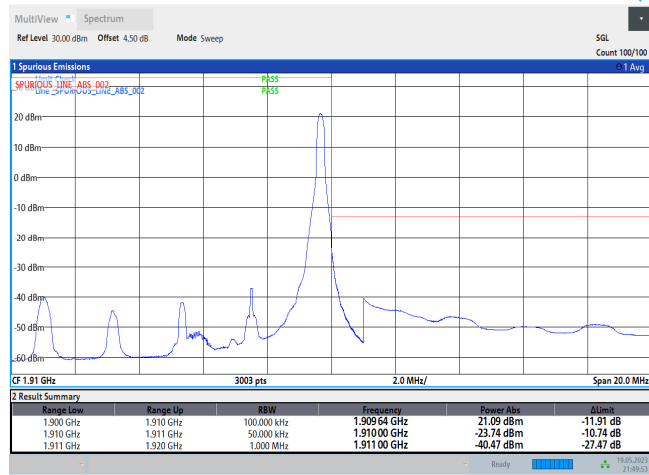


21:47:35 19. 05. 2023



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



21:49:54 19.05.2023

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

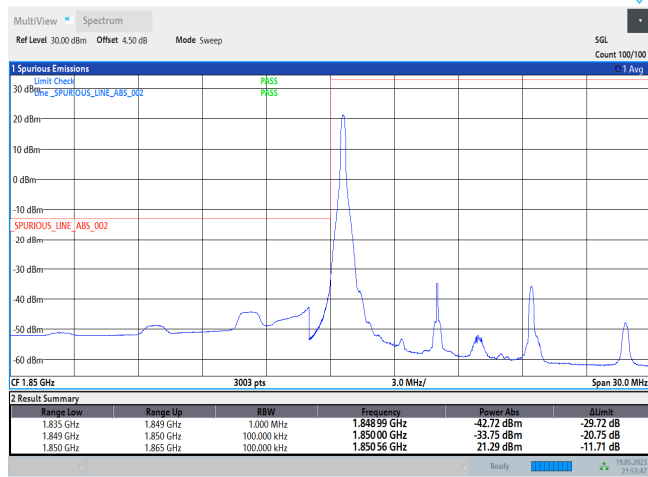


21:51:38 19.05.2023



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



21:53:47 19.05.2023

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

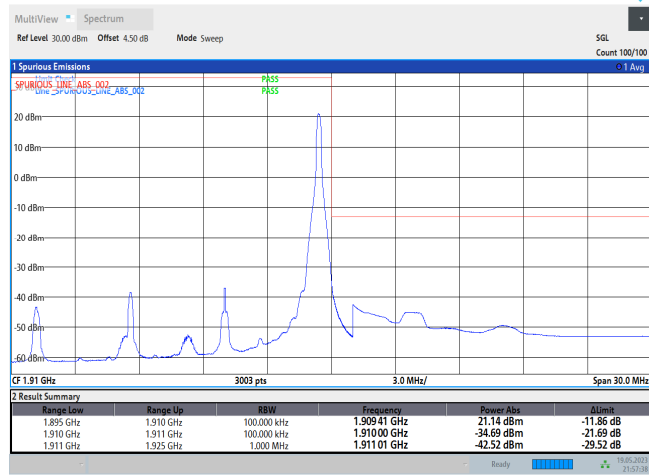


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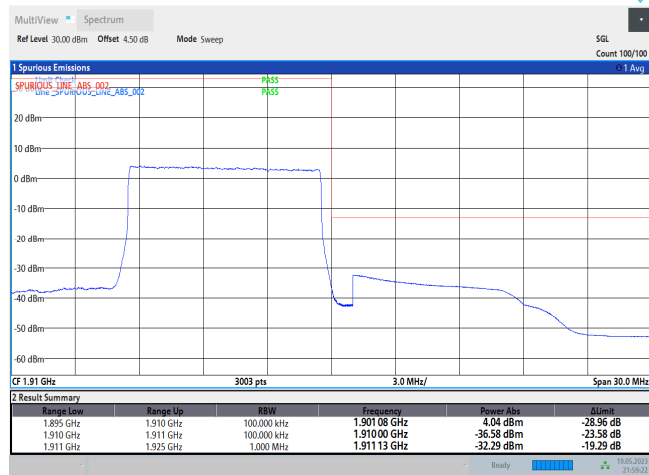
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Band2-10MHz-QPSK-19150-1RB#49



21:57:39 19.05.2023

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



21:59:23 19.05.2023

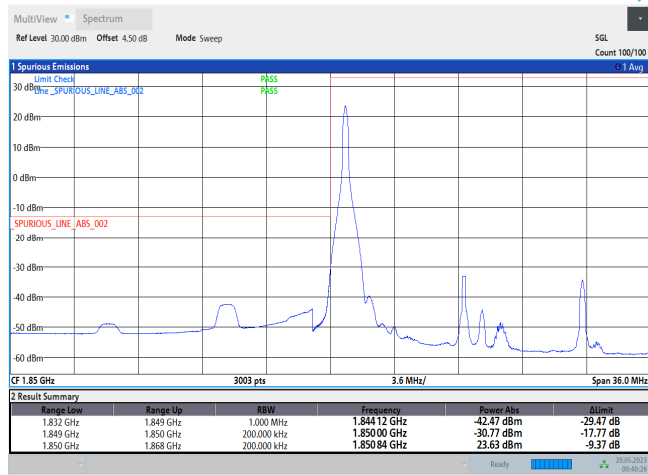


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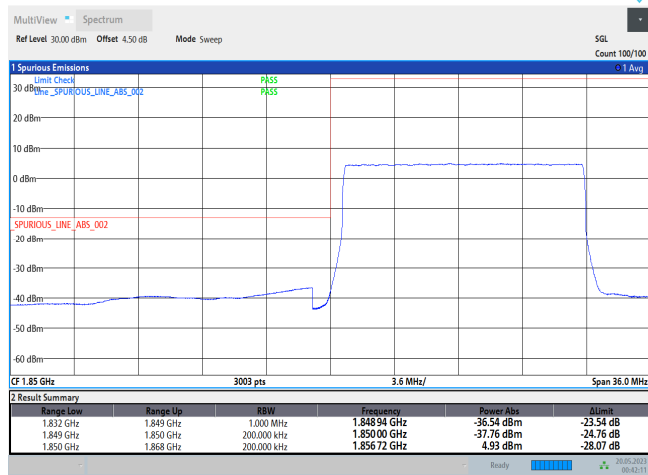
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Band2-15MHz-QPSK-18675-1RB#0



00:40:27 20.05.2023

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



00:42:11 20.05.2023

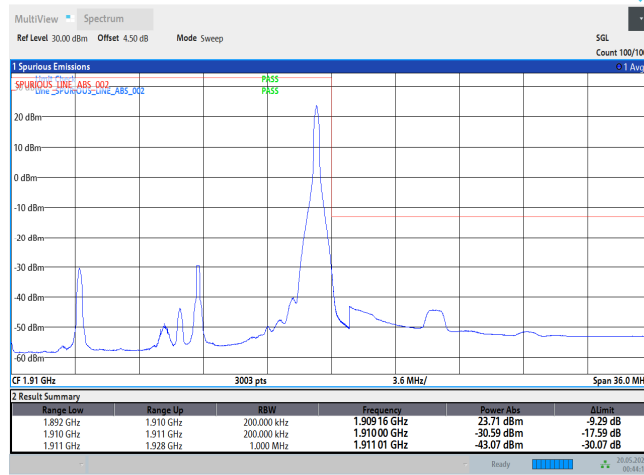


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Band2-15MHz-QPSK-19125-1RB#74



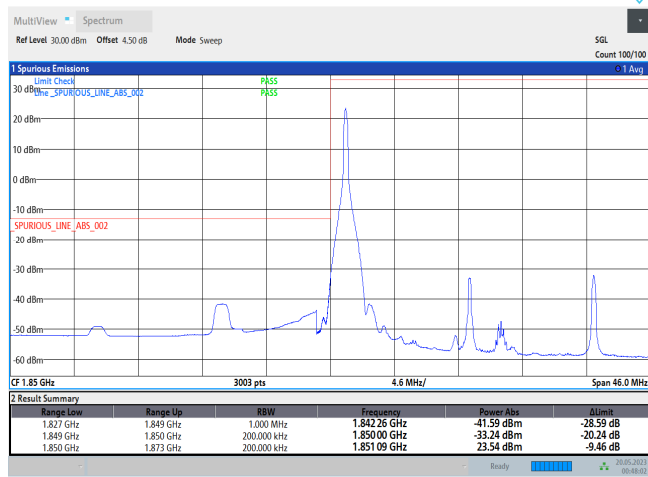
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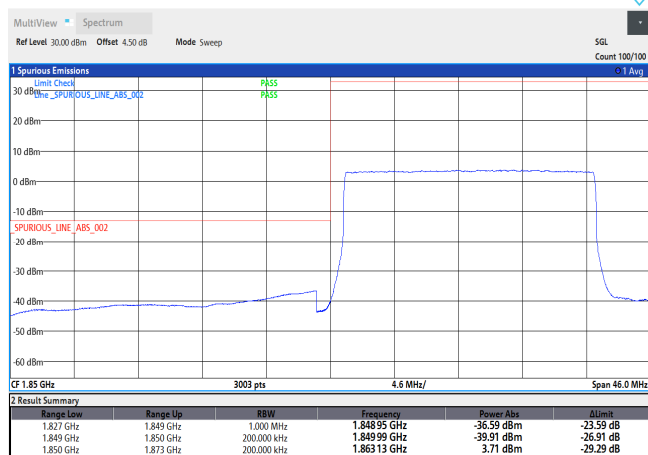


Band2-20MHz-QPSK-18700-1RB#0



00:48:03 20.05.2023

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

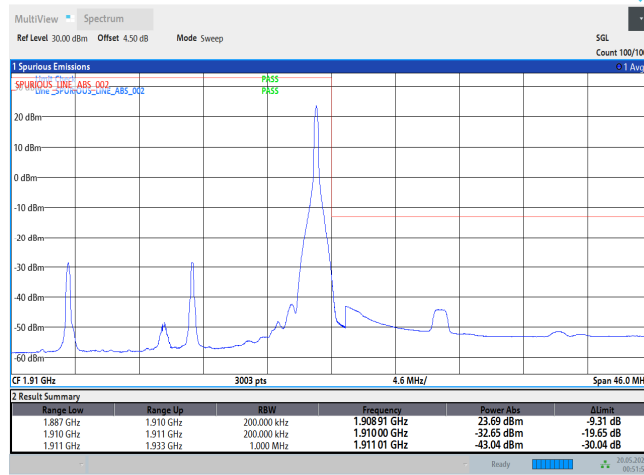


00:49:47 20.05.2023



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



00:51:50 20.05.2023

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



00:53:35 20.05.2023



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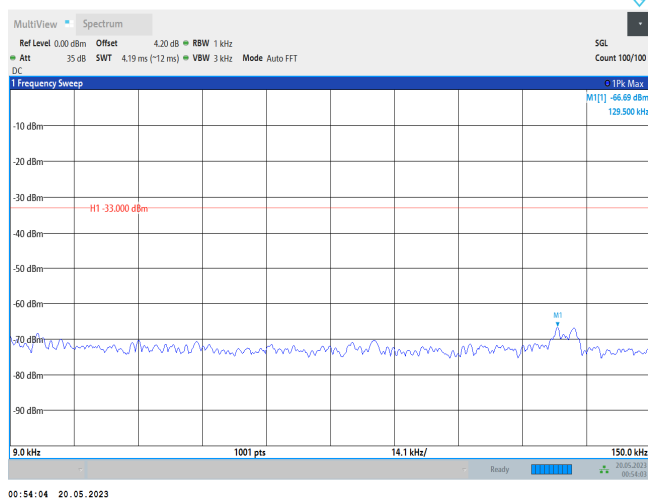
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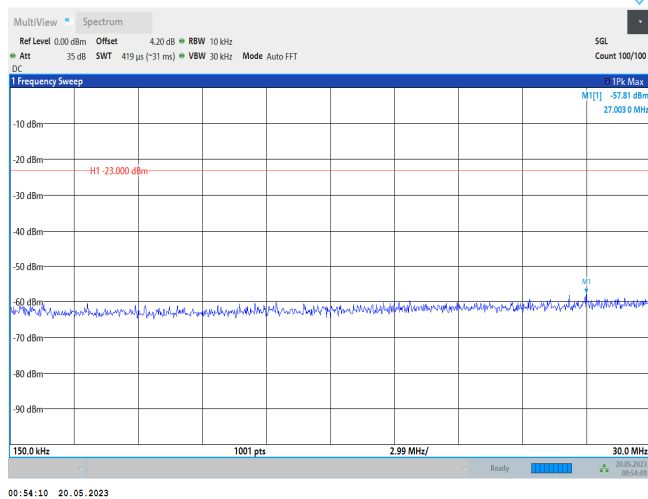
## Conducted Spurious Emission

### Test Graphs

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



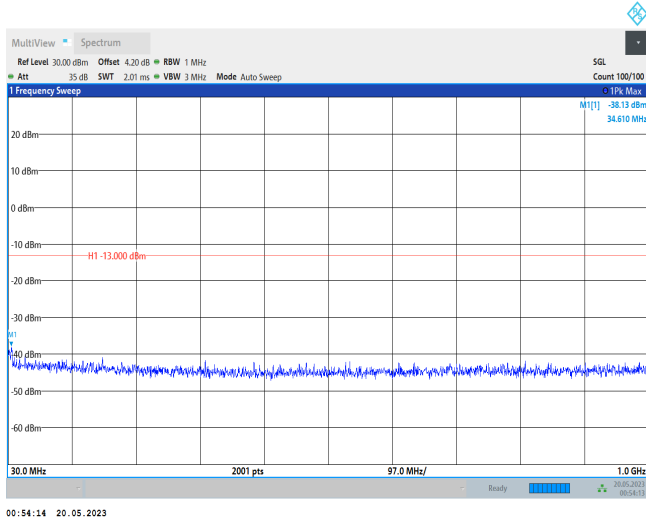
Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz



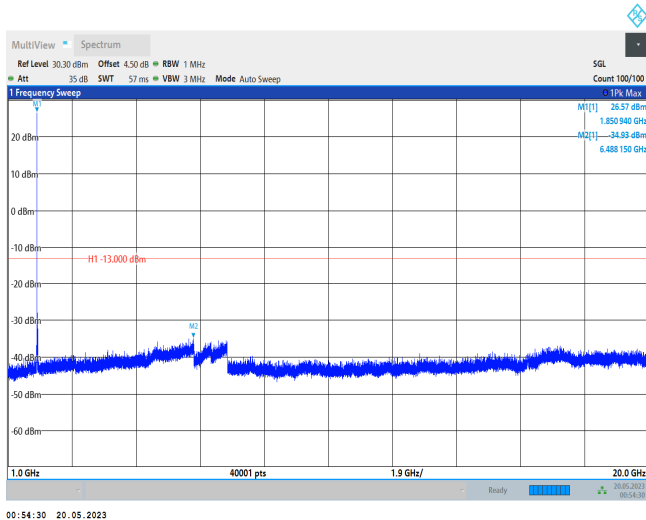
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz

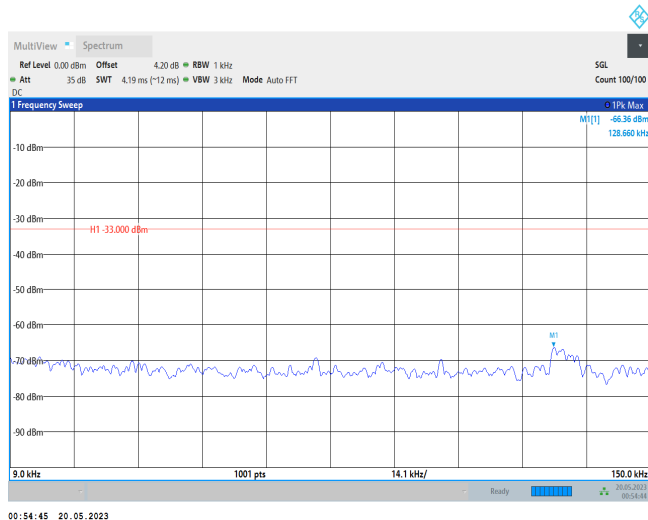


Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



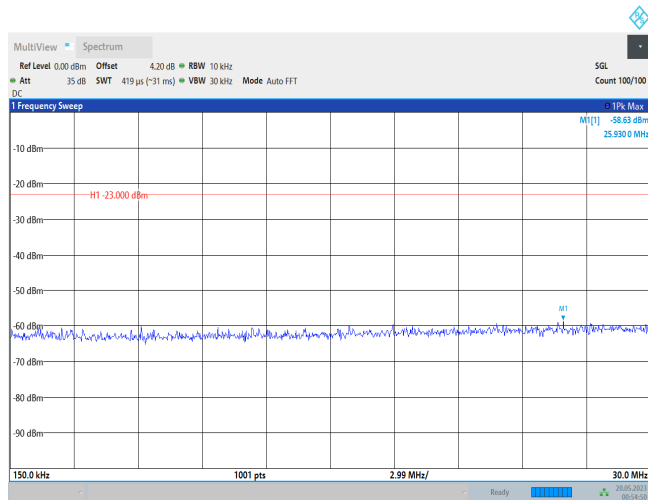
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



00:54:45 20.05.2023

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

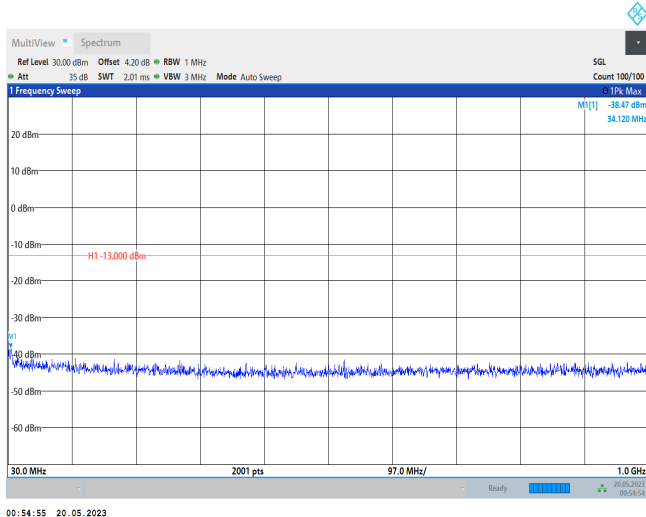


00:54:51 20.05.2023

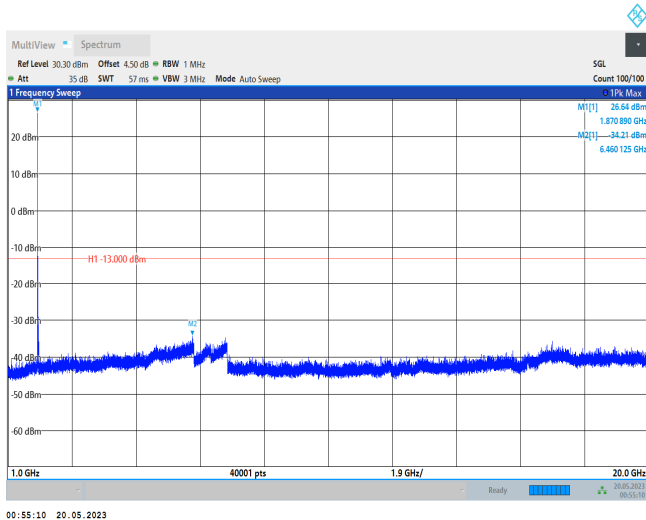


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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz

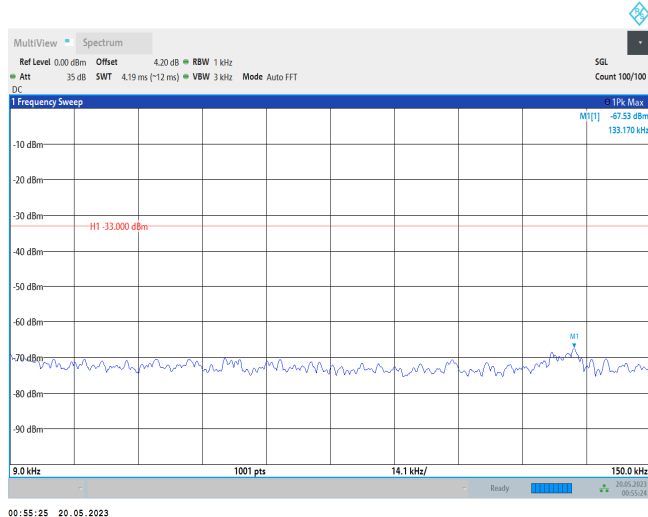


Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



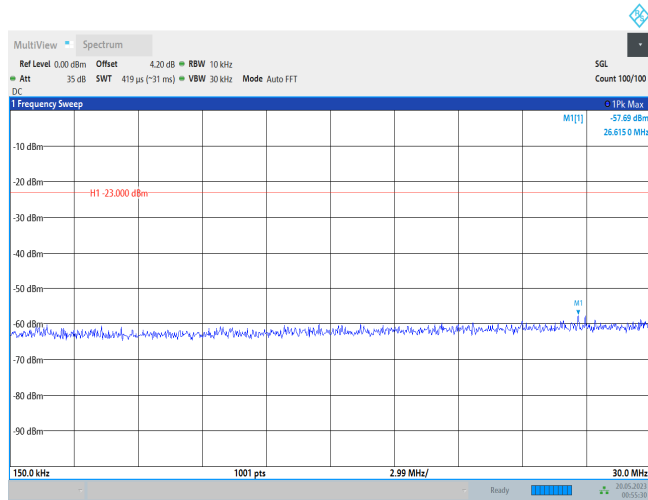
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



00:55:25 20.05.2023

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



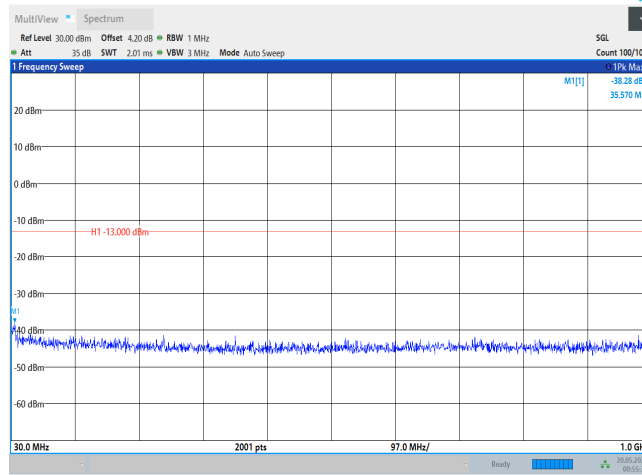
00:55:31 20.05.2023



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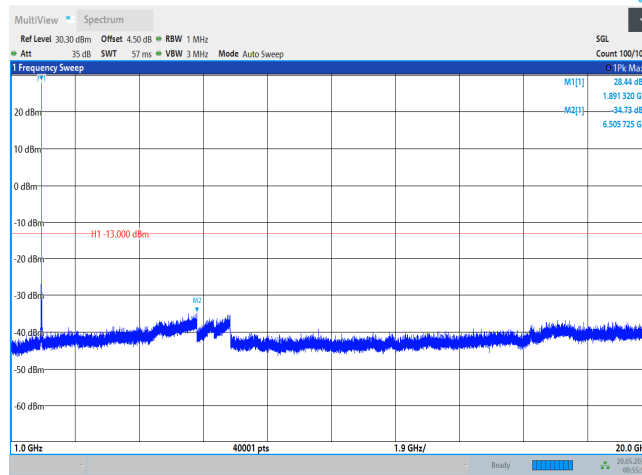
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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### Field Strength of Spurious Radiation

Test Band = LTE Band 2\_20MHz\_ 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	49.69	-45.69	29.88	-61.38	-13.00	48.38	296	28	Horizontal
2	5553.27	40.68	-43.87	32.77	-65.68	-13.00	52.68	265	163	Horizontal
3	7404.36	39.45	-41.96	36.44	-61.33	-13.00	48.33	284	14	Horizontal
4	9255.45	33.58	-38.39	38.57	-61.50	-13.00	48.50	142	344	Horizontal
5	11106.54	33.10	-35.35	39.49	-58.02	-13.00	45.02	263	328	Horizontal
6	12957.63	33.66	-34.89	39.56	-56.94	-13.00	43.94	228	163	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	55.17	-45.69	29.88	-55.90	-13.00	42.90	196	225	Vertical
2	5553.27	41.21	-43.87	32.77	-65.15	-13.00	52.15	123	0	Vertical
3	7404.36	40.00	-41.96	36.44	-60.78	-13.00	47.78	251	142	Vertical
4	9255.45	34.32	-38.39	38.57	-60.76	-13.00	47.76	174	310	Vertical
5	11106.54	34.65	-35.35	39.49	-56.47	-13.00	43.47	185	327	Vertical
6	12957.63	33.13	-34.89	39.56	-57.47	-13.00	44.47	296	0	Vertical



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**Test Band = LTE Band 2\_20MHz\_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	3742.18	48.37	-45.59	29.98	-62.49	-13.00	49.49	296	25	Horizontal
2	5613.27	40.79	-43.84	32.96	-65.35	-13.00	52.35	265	312	Horizontal
3	7484.36	38.59	-41.66	36.49	-61.84	-13.00	48.84	284	41	Horizontal
4	9355.45	36.57	-38.26	38.56	-58.39	-13.00	45.39	142	126	Horizontal
5	11226.54	33.68	-35.07	39.37	-57.27	-13.00	44.27	263	12	Horizontal
6	13097.63	31.86	-34.47	39.66	-58.21	-13.00	45.21	228	0	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	3742.18	56.41	-45.59	29.98	-54.45	-13.00	41.45	196	229	Vertical
2	5613.27	40.56	-43.84	32.96	-65.58	-13.00	52.58	265	295	Vertical
3	7484.36	39.06	-41.66	36.49	-61.37	-13.00	48.37	284	112	Vertical
4	9355.45	36.09	-38.26	38.56	-58.87	-13.00	45.87	142	129	Vertical
5	11226.54	36.55	-35.07	39.37	-54.40	-13.00	41.40	263	328	Vertical
6	13097.63	32.37	-34.47	39.66	-57.70	-13.00	44.70	228	278	Vertical



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**Test Band = LTE Band 2\_20MHz\_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	3782.18	48.20	-45.48	30.08	-62.46	-13.00	49.46	296	212	Horizontal
2	5673.27	40.46	-43.77	33.16	-65.42	-13.00	52.42	265	179	Horizontal
3	7564.36	37.32	-41.38	36.63	-62.69	-13.00	49.69	284	5	Horizontal
4	9455.45	36.47	-38.15	38.55	-58.39	-13.00	45.39	142	1	Horizontal
5	11346.54	33.05	-35.43	39.25	-58.39	-13.00	45.39	263	14	Horizontal
6	13237.63	31.54	-34.98	39.74	-58.95	-13.00	45.95	228	295	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	3782.25	57.04	-45.48	30.08	-53.62	-13.00	40.62	265	243	Vertical
2	5673.27	41.65	-43.77	33.16	-64.23	-13.00	51.23	284	277	Vertical
3	7564.36	40.46	-41.38	36.63	-59.55	-13.00	46.55	142	210	Vertical
4	9455.45	36.95	-38.15	38.55	-57.91	-13.00	44.91	263	176	Vertical
5	11346.54	35.94	-35.43	39.25	-55.50	-13.00	42.50	225	144	Vertical
6	13237.63	31.68	-34.98	39.74	-58.81	-13.00	45.81	214	0	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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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
 t (86-512) 62992980 sgs.china@sgs.com

## 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	5.40	0.002872	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	2.30	0.001223	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.20	-0.001170	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	11.00	0.005851	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	3.10	0.001649	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	2.60	0.001383	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	7.20	0.003830	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	11.80	0.006277	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	3.90	0.002074	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-1.20	-0.000638	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	5.20	0.002766	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	1.20	0.000638	PASS

---End of Attachment---



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
 t (86-512) 62992980 sgs.china@sgs.com