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Appendix B.12

LTE Band 19



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant13:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band19	5MHz	QPSK	24025	1RB#0	23.51	16.86	38.45	PASS
Band19	5MHz	QPSK	24025	1RB#12	23.56	16.91	38.45	PASS
Band19	5MHz	QPSK	24025	1RB#24	23.61	16.96	38.45	PASS
Band19	5MHz	QPSK	24025	12RB#0	22.59	15.94	38.45	PASS
Band19	5MHz	QPSK	24025	12RB#6	22.59	15.94	38.45	PASS
Band19	5MHz	QPSK	24025	12RB#13	22.48	15.83	38.45	PASS
Band19	5MHz	QPSK	24025	25RB#0	22.44	15.79	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#0	23.66	17.01	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#12	23.73	17.08	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#24	23.74	17.09	38.45	PASS
Band19	5MHz	QPSK	24075	12RB#0	22.62	15.97	38.45	PASS
Band19	5MHz	QPSK	24075	12RB#6	22.61	15.96	38.45	PASS
Band19	5MHz	QPSK	24075	12RB#13	22.58	15.93	38.45	PASS
Band19	5MHz	QPSK	24075	25RB#0	22.59	15.94	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#0	23.80	17.15	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#12	23.91	17.26	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#24	24.05	17.40	38.45	PASS
Band19	5MHz	QPSK	24125	12RB#0	22.81	16.16	38.45	PASS
Band19	5MHz	QPSK	24125	12RB#6	22.80	16.15	38.45	PASS
Band19	5MHz	QPSK	24125	12RB#13	22.84	16.19	38.45	PASS
Band19	5MHz	QPSK	24125	25RB#0	22.84	16.19	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#0	22.59	15.94	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#12	22.84	16.19	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#24	22.81	16.16	38.45	PASS
Band19	5MHz	16QAM	24025	12RB#0	21.52	14.87	38.45	PASS
Band19	5MHz	16QAM	24025	12RB#6	21.58	14.93	38.45	PASS
Band19	5MHz	16QAM	24025	12RB#13	21.62	14.97	38.45	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号厂房南部

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Band19	5MHz	16QAM	24025	25RB#0	21.66	15.01	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#0	22.88	16.23	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#12	22.89	16.24	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#24	22.96	16.31	38.45	PASS
Band19	5MHz	16QAM	24075	12RB#0	21.79	15.14	38.45	PASS
Band19	5MHz	16QAM	24075	12RB#6	21.80	15.15	38.45	PASS
Band19	5MHz	16QAM	24075	12RB#13	21.75	15.10	38.45	PASS
Band19	5MHz	16QAM	24075	25RB#0	21.76	15.11	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#0	22.93	16.28	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#12	23.10	16.45	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#24	23.10	16.45	38.45	PASS
Band19	5MHz	16QAM	24125	12RB#0	21.99	15.34	38.45	PASS
Band19	5MHz	16QAM	24125	12RB#6	21.96	15.31	38.45	PASS
Band19	5MHz	16QAM	24125	12RB#13	22.04	15.39	38.45	PASS
Band19	5MHz	16QAM	24125	25RB#0	22.01	15.36	38.45	PASS
Band19	5MHz	64QAM	24025	1RB#0	21.36	14.71	38.45	PASS
Band19	5MHz	64QAM	24025	1RB#12	21.65	15.00	38.45	PASS
Band19	5MHz	64QAM	24025	1RB#24	21.97	15.32	38.45	PASS
Band19	5MHz	64QAM	24025	12RB#0	20.63	13.98	38.45	PASS
Band19	5MHz	64QAM	24025	12RB#6	20.34	13.69	38.45	PASS
Band19	5MHz	64QAM	24025	12RB#13	20.56	13.91	38.45	PASS
Band19	5MHz	64QAM	24025	25RB#0	20.71	14.06	38.45	PASS
Band19	5MHz	64QAM	24075	1RB#0	21.23	14.58	38.45	PASS
Band19	5MHz	64QAM	24075	1RB#12	21.35	14.70	38.45	PASS
Band19	5MHz	64QAM	24075	1RB#24	21.63	14.98	38.45	PASS
Band19	5MHz	64QAM	24075	12RB#0	20.86	14.21	38.45	PASS
Band19	5MHz	64QAM	24075	12RB#6	20.63	13.98	38.45	PASS
Band19	5MHz	64QAM	24075	12RB#13	20.52	13.87	38.45	PASS
Band19	5MHz	64QAM	24075	25RB#0	20.41	13.76	38.45	PASS
Band19	5MHz	64QAM	24125	1RB#0	21.69	15.04	38.45	PASS
Band19	5MHz	64QAM	24125	1RB#12	22.12	15.47	38.45	PASS
Band19	5MHz	64QAM	24125	1RB#24	21.98	15.33	38.45	PASS
Band19	5MHz	64QAM	24125	12RB#0	20.56	13.91	38.45	PASS

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Band19	5MHz	64QAM	24125	12RB#6	20.74	14.09	38.45	PASS
Band19	5MHz	64QAM	24125	12RB#13	20.56	13.91	38.45	PASS
Band19	5MHz	64QAM	24125	25RB#0	21.13	14.48	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#0	23.49	16.84	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#24	23.63	16.98	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#49	23.76	17.11	38.45	PASS
Band19	10MHz	QPSK	24050	25RB#0	22.44	15.79	38.45	PASS
Band19	10MHz	QPSK	24050	25RB#12	22.51	15.86	38.45	PASS
Band19	10MHz	QPSK	24050	25RB#25	22.56	15.91	38.45	PASS
Band19	10MHz	QPSK	24050	50RB#0	22.52	15.87	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#0	23.57	16.92	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#24	23.70	17.05	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#49	23.85	17.20	38.45	PASS
Band19	10MHz	QPSK	24075	25RB#0	22.50	15.85	38.45	PASS
Band19	10MHz	QPSK	24075	25RB#12	22.61	15.96	38.45	PASS
Band19	10MHz	QPSK	24075	25RB#25	22.64	15.99	38.45	PASS
Band19	10MHz	QPSK	24075	50RB#0	22.61	15.96	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#0	23.66	17.01	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#24	23.75	17.10	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#49	24.00	17.35	38.45	PASS
Band19	10MHz	QPSK	24100	25RB#0	22.72	16.07	38.45	PASS
Band19	10MHz	QPSK	24100	25RB#12	22.71	16.06	38.45	PASS
Band19	10MHz	QPSK	24100	25RB#25	22.73	16.08	38.45	PASS
Band19	10MHz	QPSK	24100	50RB#0	22.75	16.10	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#0	22.63	15.98	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#24	22.83	16.18	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#49	22.92	16.27	38.45	PASS
Band19	10MHz	16QAM	24050	25RB#0	21.59	14.94	38.45	PASS
Band19	10MHz	16QAM	24050	25RB#12	21.70	15.05	38.45	PASS
Band19	10MHz	16QAM	24050	25RB#25	21.77	15.12	38.45	PASS
Band19	10MHz	16QAM	24050	50RB#0	21.67	15.02	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#0	22.62	15.97	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#24	22.82	16.17	38.45	PASS

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Band19	10MHz	16QAM	24075	1RB#49	23.08	16.43	38.45	PASS
Band19	10MHz	16QAM	24075	25RB#0	21.74	15.09	38.45	PASS
Band19	10MHz	16QAM	24075	25RB#12	21.76	15.11	38.45	PASS
Band19	10MHz	16QAM	24075	25RB#25	21.79	15.14	38.45	PASS
Band19	10MHz	16QAM	24075	50RB#0	21.79	15.14	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#0	22.85	16.20	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#24	22.97	16.32	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#49	23.13	16.48	38.45	PASS
Band19	10MHz	16QAM	24100	25RB#0	21.89	15.24	38.45	PASS
Band19	10MHz	16QAM	24100	25RB#12	21.93	15.28	38.45	PASS
Band19	10MHz	16QAM	24100	25RB#25	21.94	15.29	38.45	PASS
Band19	10MHz	16QAM	24100	50RB#0	21.95	15.30	38.45	PASS
Band19	10MHz	64QAM	24050	1RB#0	21.57	14.92	38.45	PASS
Band19	10MHz	64QAM	24050	1RB#24	21.65	15.00	38.45	PASS
Band19	10MHz	64QAM	24050	1RB#49	21.71	15.06	38.45	PASS
Band19	10MHz	64QAM	24050	25RB#0	20.23	13.58	38.45	PASS
Band19	10MHz	64QAM	24050	25RB#12	20.32	13.67	38.45	PASS
Band19	10MHz	64QAM	24050	25RB#25	20.41	13.76	38.45	PASS
Band19	10MHz	64QAM	24050	50RB#0	20.36	13.71	38.45	PASS
Band19	10MHz	64QAM	24075	1RB#0	21.23	14.58	38.45	PASS
Band19	10MHz	64QAM	24075	1RB#24	21.44	14.79	38.45	PASS
Band19	10MHz	64QAM	24075	1RB#49	22.36	15.71	38.45	PASS
Band19	10MHz	64QAM	24075	25RB#0	20.65	14.00	38.45	PASS
Band19	10MHz	64QAM	24075	25RB#12	20.44	13.79	38.45	PASS
Band19	10MHz	64QAM	24075	25RB#25	20.29	13.64	38.45	PASS
Band19	10MHz	64QAM	24075	50RB#0	20.36	13.71	38.45	PASS
Band19	10MHz	64QAM	24100	1RB#0	21.53	14.88	38.45	PASS
Band19	10MHz	64QAM	24100	1RB#24	21.41	14.76	38.45	PASS
Band19	10MHz	64QAM	24100	1RB#49	22.56	15.91	38.45	PASS
Band19	10MHz	64QAM	24100	25RB#0	20.63	13.98	38.45	PASS
Band19	10MHz	64QAM	24100	25RB#12	20.45	13.80	38.45	PASS
Band19	10MHz	64QAM	24100	25RB#25	20.69	14.04	38.45	PASS
Band19	10MHz	64QAM	24100	50RB#0	20.58	13.93	38.45	PASS

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Band19	15MHz	QPSK	24075	1RB#0	23.28	16.63	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#38	23.56	16.91	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#74	23.77	17.12	38.45	PASS
Band19	15MHz	QPSK	24075	38RB#0	23.32	16.67	38.45	PASS
Band19	15MHz	QPSK	24075	38RB#18	23.50	16.85	38.45	PASS
Band19	15MHz	QPSK	24075	38RB#37	23.57	16.92	38.45	PASS
Band19	15MHz	QPSK	24075	75RB#0	22.45	15.80	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#0	22.63	15.98	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#38	22.83	16.18	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#74	22.92	16.27	38.45	PASS
Band19	15MHz	16QAM	24075	38RB#0	21.59	14.94	38.45	PASS
Band19	15MHz	16QAM	24075	38RB#18	21.70	15.05	38.45	PASS
Band19	15MHz	16QAM	24075	38RB#37	21.77	15.12	38.45	PASS
Band19	15MHz	16QAM	24075	75RB#0	21.67	15.02	38.45	PASS
Band19	15MHz	64QAM	24075	1RB#0	21.56	14.91	38.45	PASS
Band19	15MHz	64QAM	24075	1RB#38	21.75	15.10	38.45	PASS
Band19	15MHz	64QAM	24075	1RB#74	21.69	15.04	38.45	PASS
Band19	15MHz	64QAM	24075	38RB#0	20.63	13.98	38.45	PASS
Band19	15MHz	64QAM	24075	38RB#18	20.57	13.92	38.45	PASS
Band19	15MHz	64QAM	24075	38RB#37	20.42	13.77	38.45	PASS
Band19	15MHz	64QAM	24075	75RB#0	20.38	13.73	38.45	PASS

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	4.487	5.15	PASS
Band19	5MHz	16QAM	24025	25RB#0	4.487	4.97	PASS
Band19	5MHz	64QAM	24025	25RB#0	4.488	4.98	PASS
Band19	5MHz	QPSK	24075	25RB#0	4.487	4.97	PASS
Band19	5MHz	16QAM	24075	25RB#0	4.484	4.99	PASS
Band19	5MHz	64QAM	24075	25RB#0	4.484	5.00	PASS
Band19	5MHz	QPSK	24125	25RB#0	4.485	4.97	PASS
Band19	5MHz	16QAM	24125	25RB#0	4.485	5.02	PASS
Band19	5MHz	64QAM	24125	25RB#0	4.488	5.01	PASS
Band19	10MHz	QPSK	24050	50RB#0	8.985	9.83	PASS
Band19	10MHz	16QAM	24050	50RB#0	8.956	9.83	PASS
Band19	10MHz	64QAM	24050	50RB#0	8.949	9.73	PASS
Band19	10MHz	QPSK	24075	50RB#0	8.996	9.80	PASS
Band19	10MHz	16QAM	24075	50RB#0	8.948	9.83	PASS
Band19	10MHz	64QAM	24075	50RB#0	8.941	9.83	PASS
Band19	10MHz	QPSK	24100	50RB#0	8.98	9.80	PASS
Band19	10MHz	16QAM	24100	50RB#0	8.956	9.87	PASS
Band19	10MHz	64QAM	24100	50RB#0	8.941	9.83	PASS
Band19	15MHz	QPSK	24075	75RB#0	13.466	14.75	PASS
Band19	15MHz	16QAM	24075	75RB#0	13.447	14.90	PASS
Band19	15MHz	64QAM	24075	75RB#0	13.450	14.80	PASS

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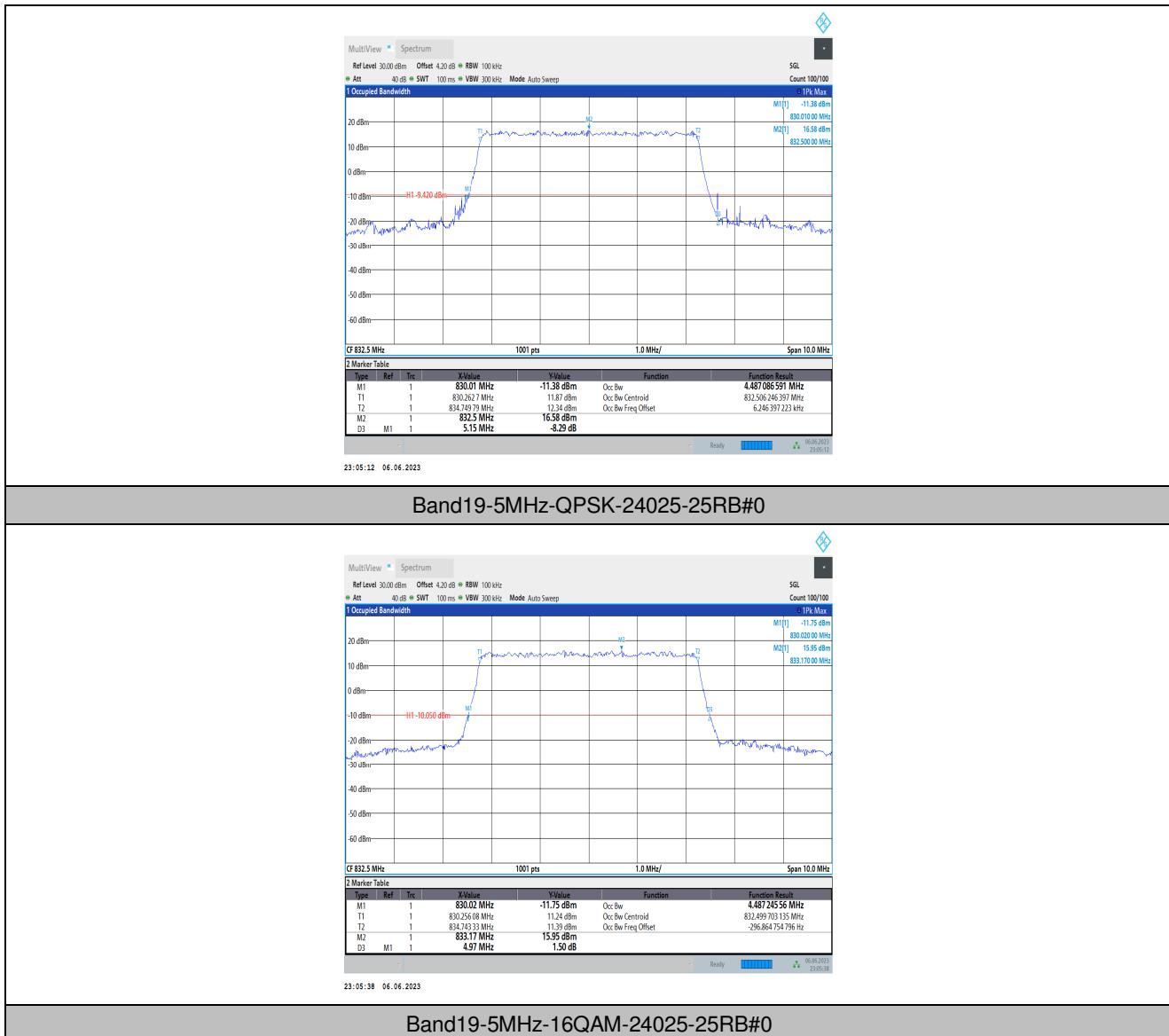
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Test Graphs



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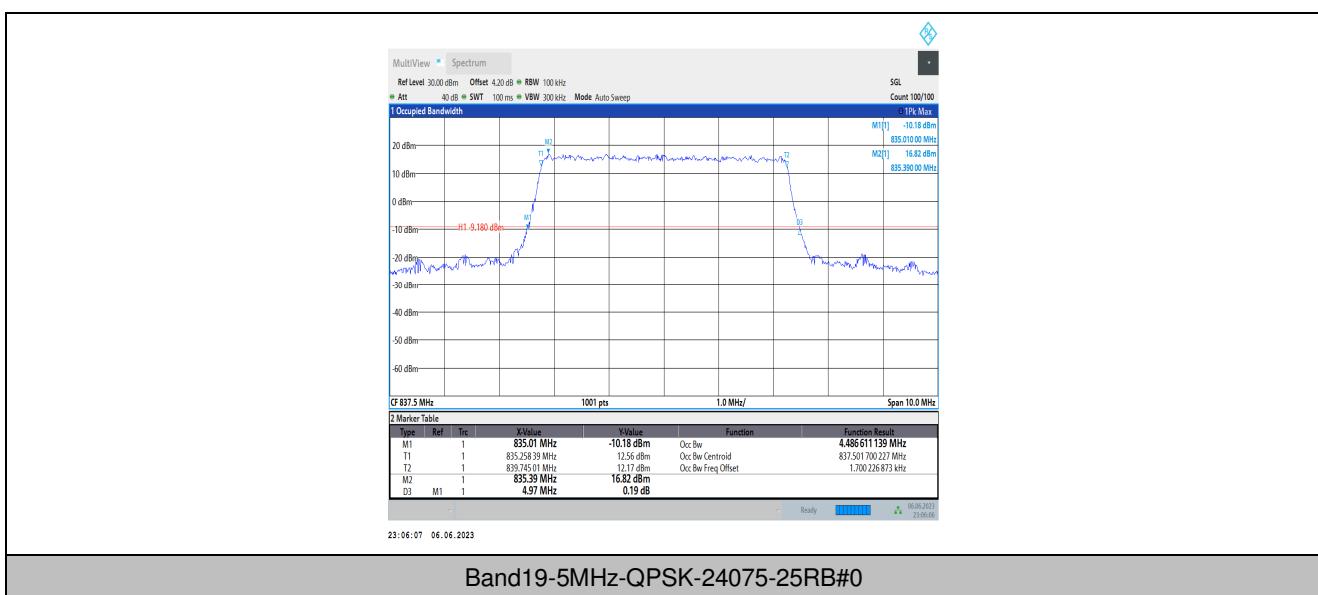
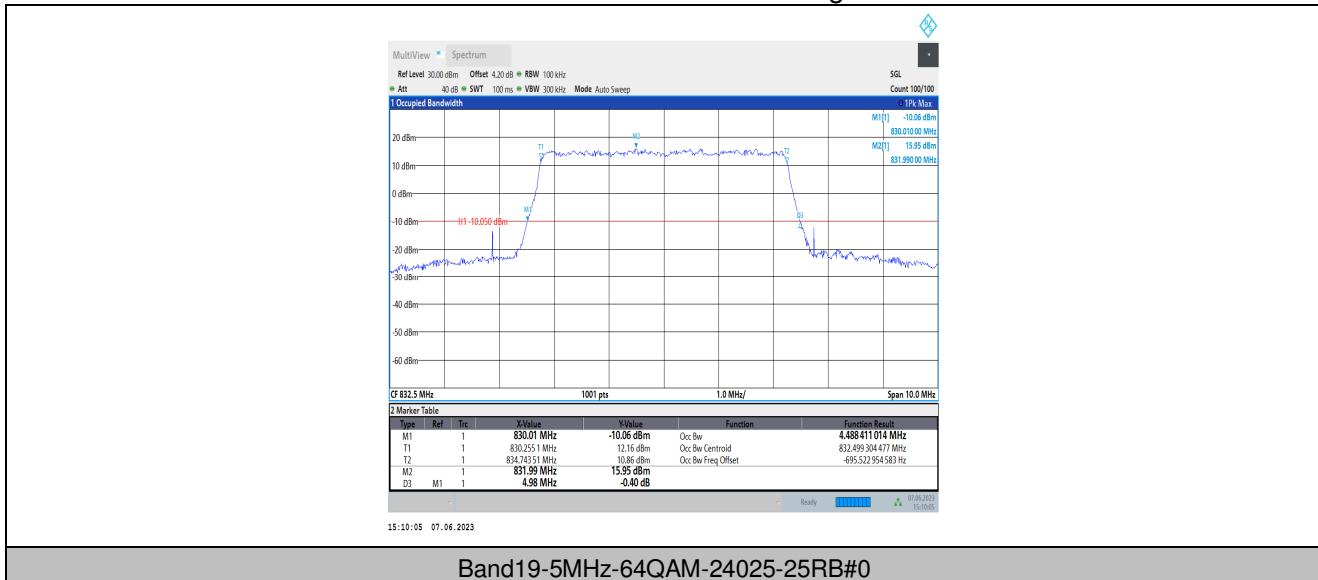
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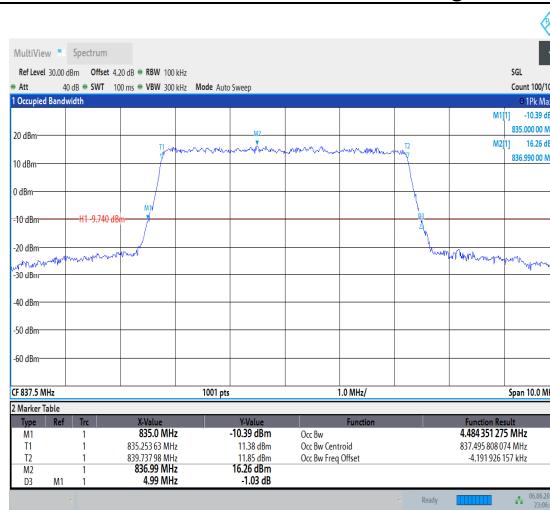
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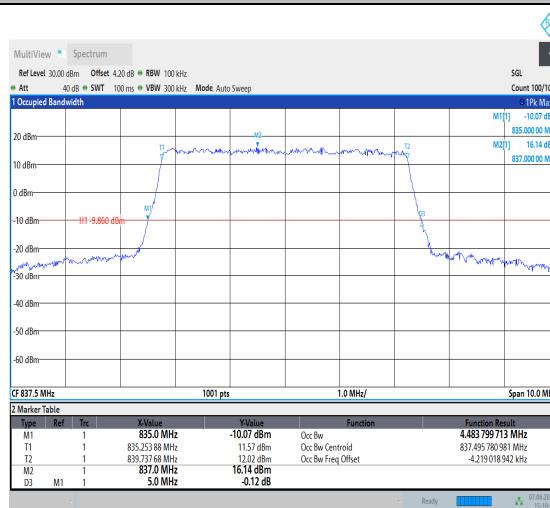


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23:06:33 06.06.2023

Band19-5MHz-16QAM-24075-25RB#0



15:10:31 07.06.2023

Band19-5MHz-64QAM-24075-25RB#0

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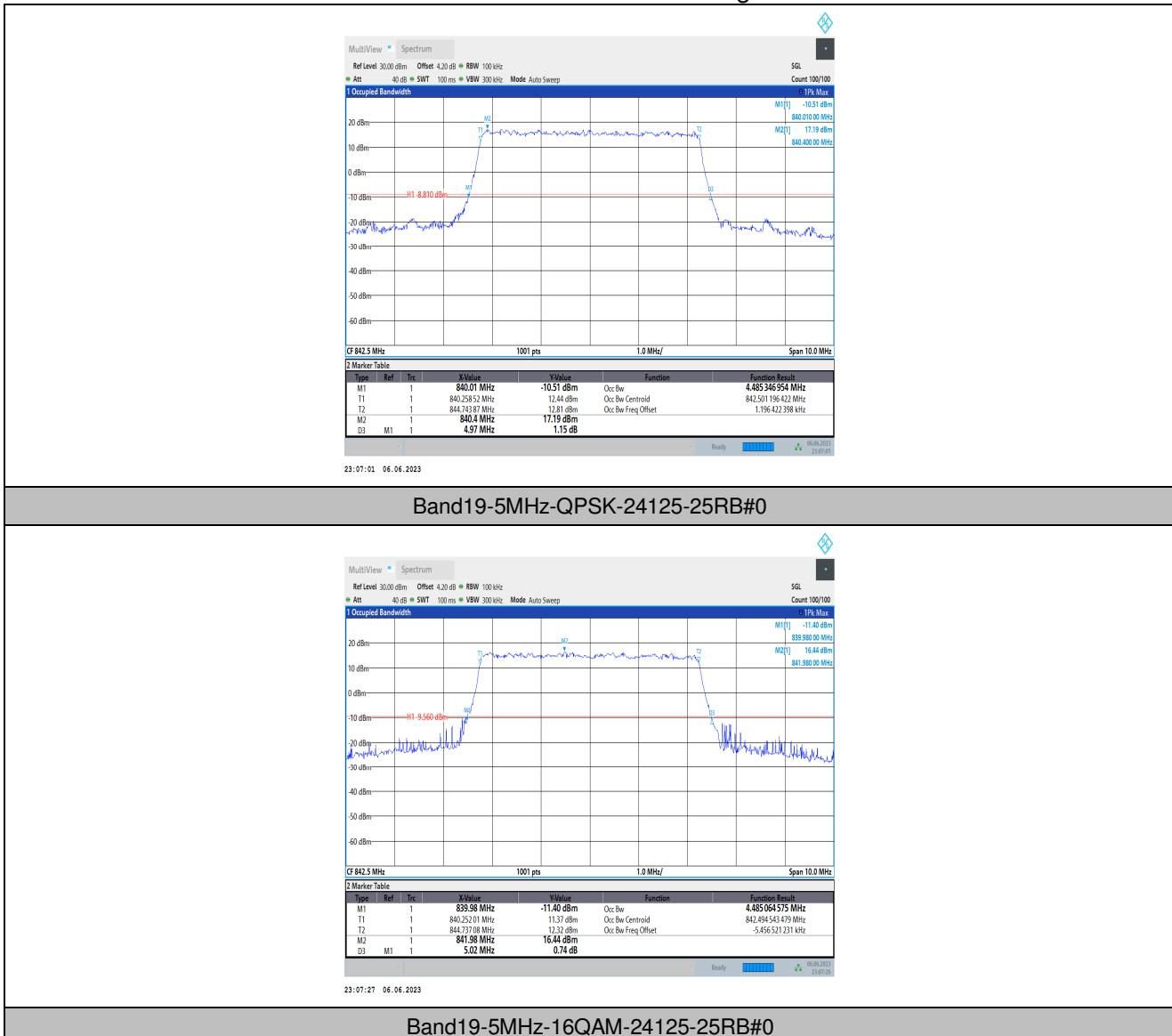
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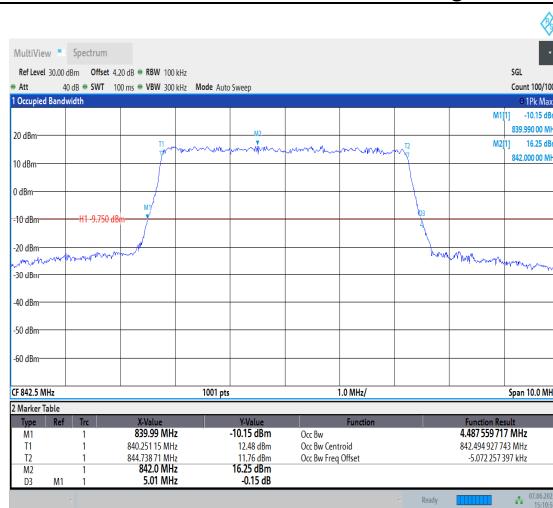
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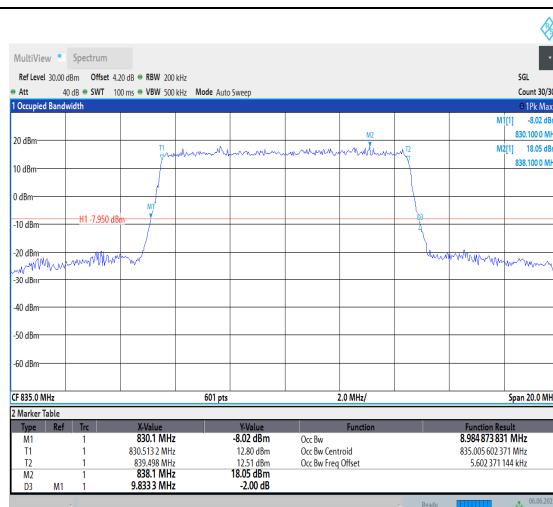
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Band19-5MHz-64QAM-24125-25RB#0



Band19-10MHz-QPSK-24050-50RB#0

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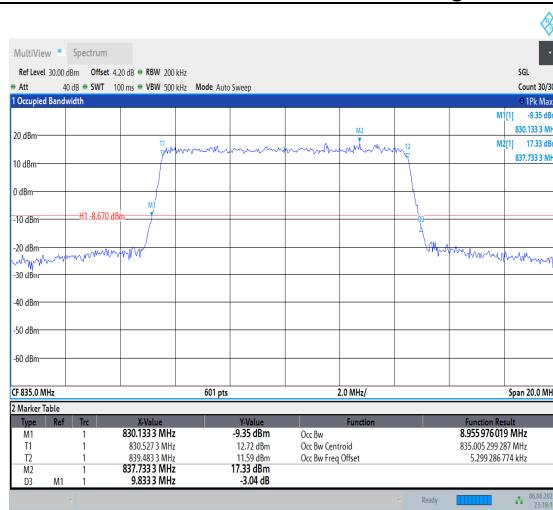


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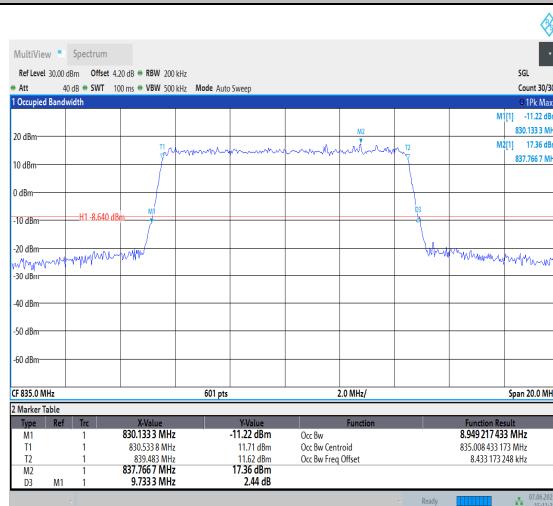
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23:18:16 06.06.2023

Band19-10MHz-16QAM-24050-50RB#0



15:11:39 07.06.2023

Band19-10MHz-64QAM-24050-50RB#0

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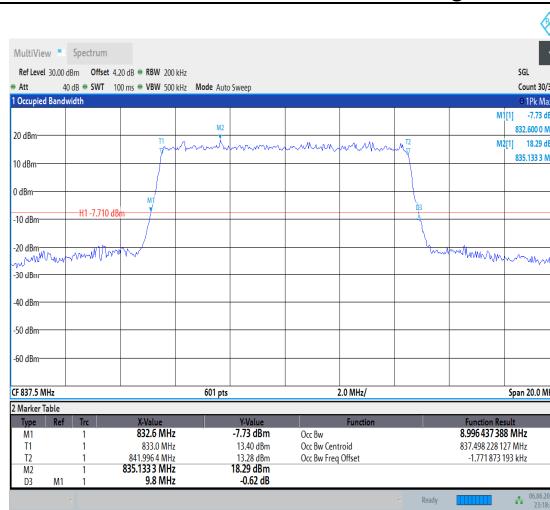
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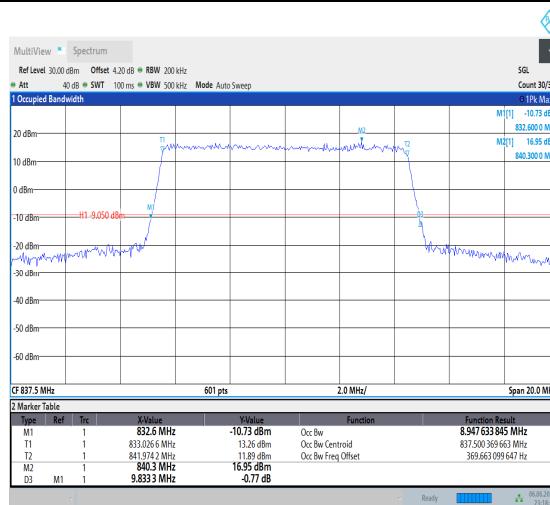


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23:18:38 06.06.2023

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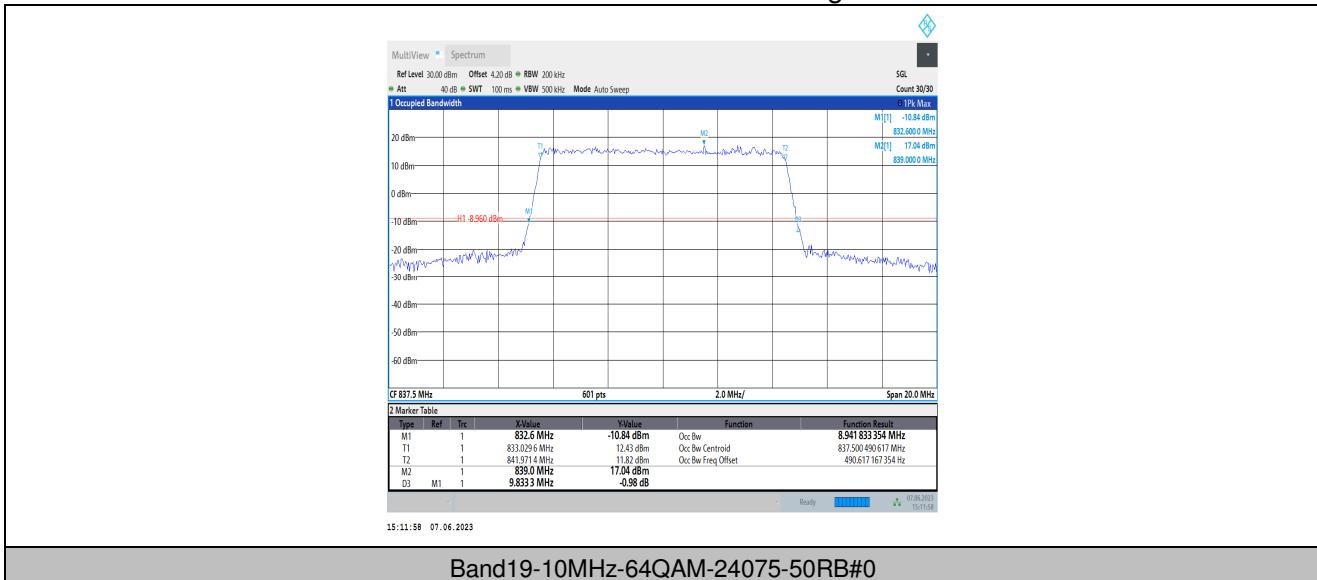
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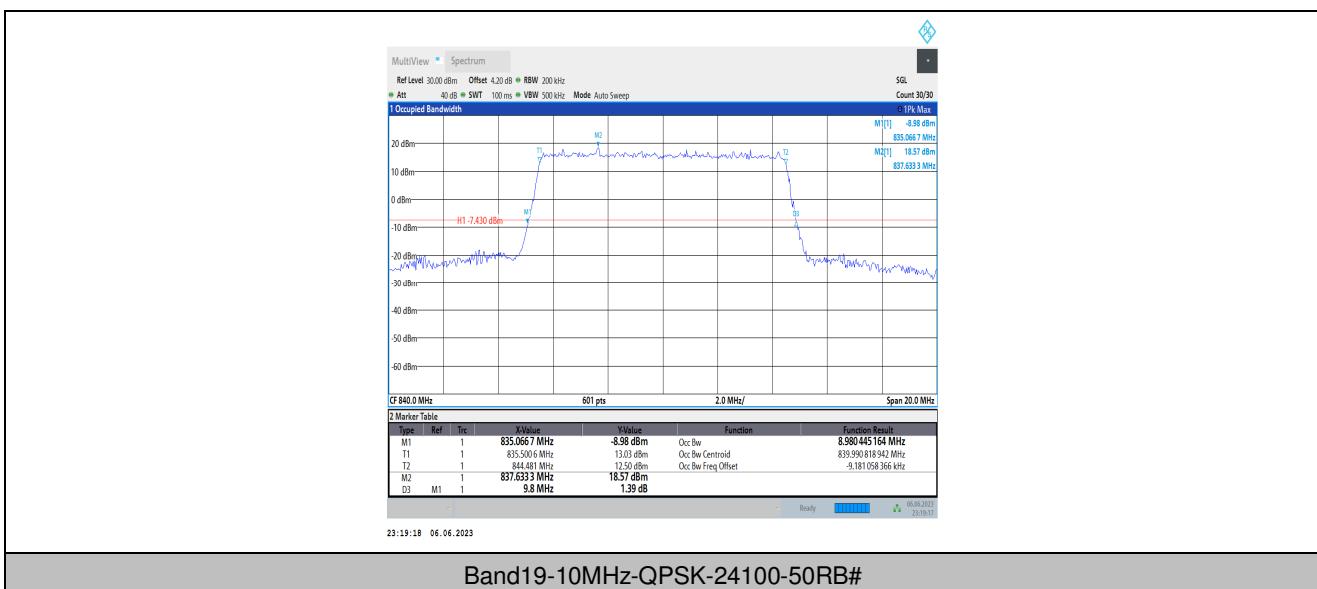
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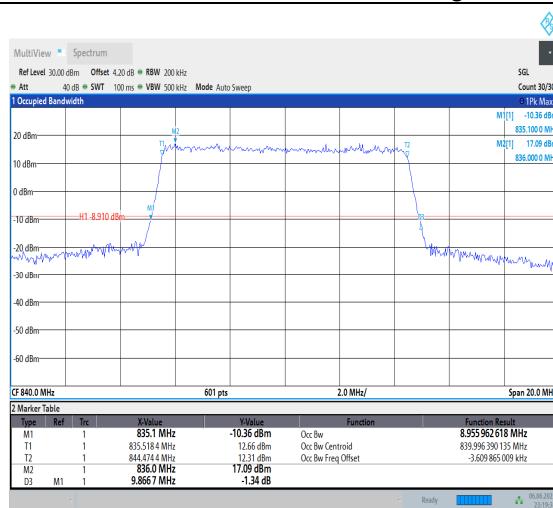
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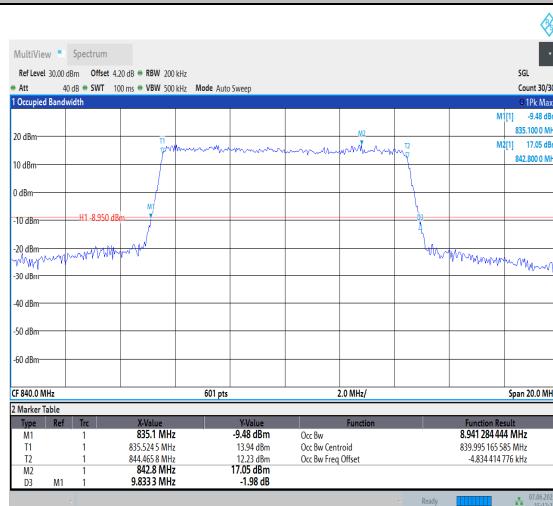
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Band19-10MHz-16QAM-24100-50RB#0



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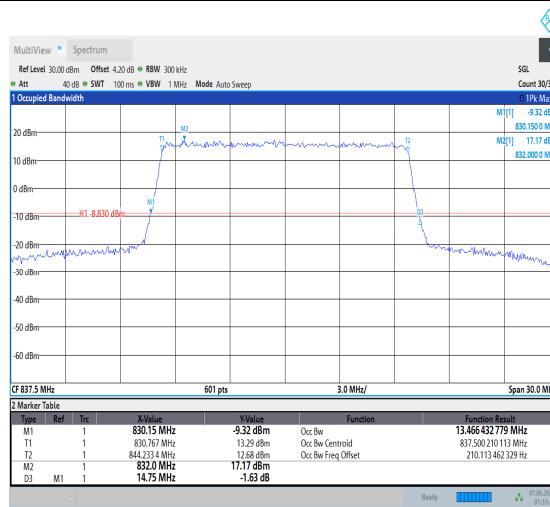
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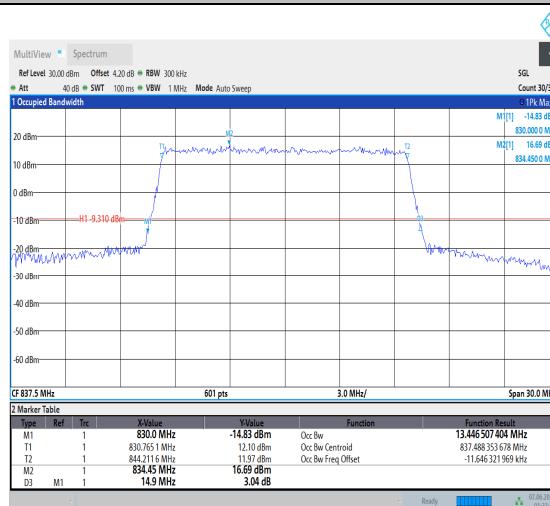


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01:33:19 07.06.2023

Band19-15MHz-QPSK-24075-75RB#0



01:33:37 07.06.2023

Band19-15MHz-16QAM-24075-75RB#0

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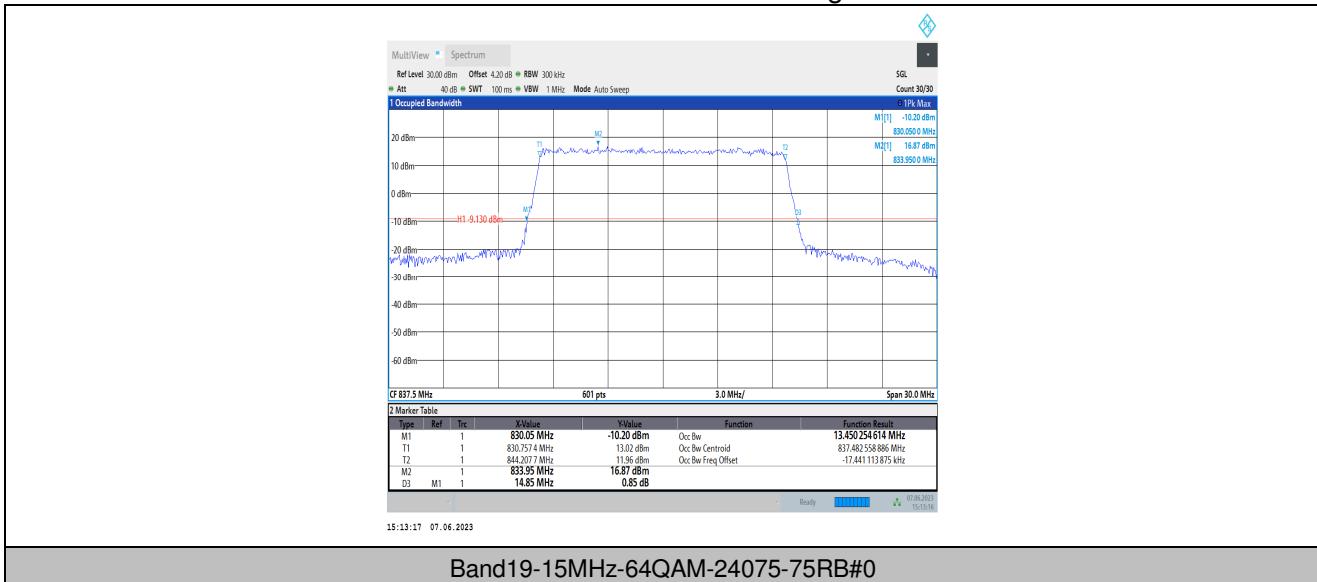
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

South of 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号厂房南部 邮编: 215000

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