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# Appendix B.1

## LTE Band 2



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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
Band2	1.4MHz	QPSK	18607	1RB#0	23.12	24.55	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.05	24.48	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.12	24.55	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.13	23.56	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.43	24.86	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.41	24.84	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.37	24.8	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.41	23.84	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.89	24.32	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.89	24.32	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.75	24.18	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.93	23.36	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.33	23.76	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.23	23.66	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.4	23.83	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.3	22.73	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.59	24.02	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.72	24.15	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.56	23.99	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.56	22.99	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.33	23.76	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.21	23.64	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.01	23.44	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.05	22.48	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.95	24.38	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.15	24.58	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.07	24.5	33	PASS



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Band2	3MHz	QPSK	18615	15RB#0	22.13	23.56	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.34	24.77	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.44	24.87	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.27	24.7	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.39	23.82	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.01	24.44	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.08	24.51	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.68	24.11	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.1	23.53	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.26	23.69	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.39	23.82	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.38	23.81	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.18	22.61	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.6	24.03	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.78	24.21	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.56	23.99	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.47	22.9	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.33	23.76	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.43	23.86	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.05	23.48	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.12	22.55	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.2	24.63	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.23	24.66	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.15	24.58	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.23	23.66	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.56	24.99	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.49	24.92	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.46	24.89	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.55	23.98	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.38	24.81	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.27	24.7	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.91	24.34	33	PASS



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Band2	5MHz	QPSK	19175	25RB#0	22.3	23.73	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.67	24.1	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.53	23.96	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.5	23.93	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.28	22.71	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.83	24.26	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.72	24.15	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.79	24.22	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.58	23.01	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.61	24.04	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.62	24.05	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.27	23.7	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.32	22.75	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.18	24.61	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.21	24.64	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.15	24.58	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.2	23.63	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.57	25	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.65	25.08	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.59	25.02	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.64	24.07	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.54	24.97	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.65	25.08	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.26	24.69	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.8	24.23	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.48	23.91	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.66	24.09	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.39	23.82	33	PASS
Band2	10MHz	16QAM	18650	27RB#0	22.75	24.18	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.85	24.28	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.9	24.33	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.92	24.35	33	PASS



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Band2	10MHz	16QAM	18900	27RB#0	23.21	24.64	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.77	24.2	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.97	24.4	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.75	24.18	33	PASS
Band2	10MHz	16QAM	19150	27RB#0	23.13	24.56	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.14	24.57	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.11	24.54	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.22	24.65	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.3	23.73	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.51	24.94	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.67	25.1	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.49	24.92	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.59	24.02	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.49	24.92	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.66	25.09	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.39	24.82	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.8	24.23	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.28	23.71	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.26	23.69	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.31	23.74	33	PASS
Band2	15MHz	16QAM	18675	27RB#0	21.69	23.12	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.6	24.03	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.75	24.18	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.62	24.05	33	PASS
Band2	15MHz	16QAM	18900	27RB#0	21.58	23.01	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.78	24.21	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.81	24.24	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.69	23.12	33	PASS
Band2	15MHz	16QAM	19125	27RB#0	21.63	23.06	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.61	25.04	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.63	25.06	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.88	25.31	33	PASS



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Band2	20MHz	QPSK	18900	1RB#0	23.51	24.94	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.7	25.13	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.43	24.86	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.6	24.03	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.39	24.82	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.56	24.99	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.39	24.82	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.71	24.14	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.69	24.12	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.7	24.13	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.98	24.41	33	PASS
Band2	20MHz	16QAM	18700	27RB#0	21.36	22.79	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.62	24.05	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.79	24.22	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.61	24.04	33	PASS
Band2	20MHz	16QAM	18900	27RB#0	21.45	22.88	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.53	23.96	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.79	24.22	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.72	24.15	33	PASS
Band2	20MHz	16QAM	19100	27RB#0	21.89	23.32	33	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	5.50	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.56	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.40	13	PASS



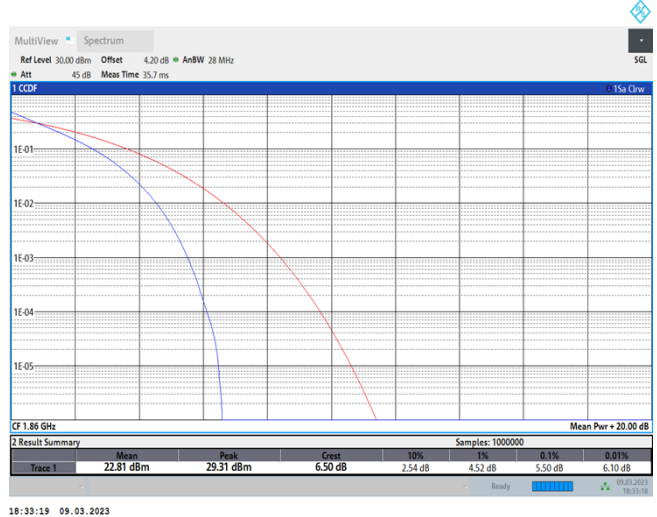
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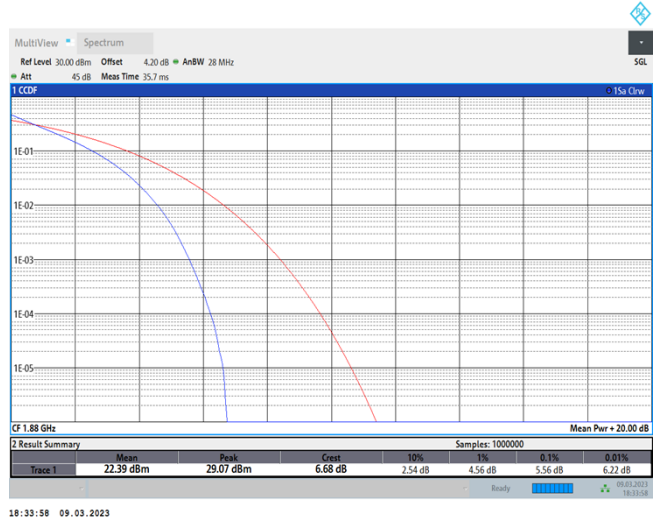
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Test Graphs

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



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

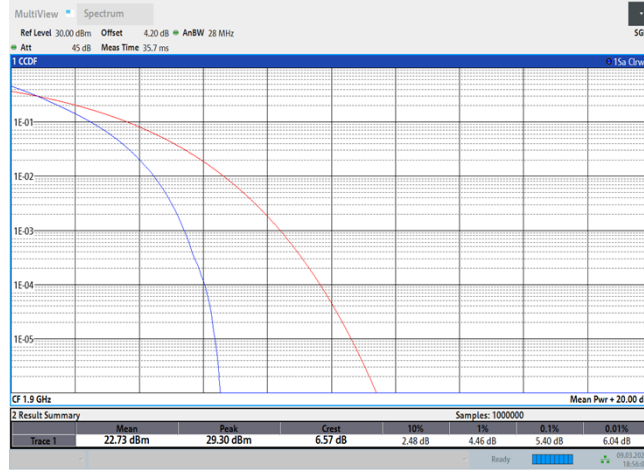


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Band2-20MHz-QPSK-19100-100RB#0



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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	5MHz	QPSK	18900	25RB#0	PASS	PASS
Band2	5MHz	16QAM	18900	25RB#0	PASS	PASS



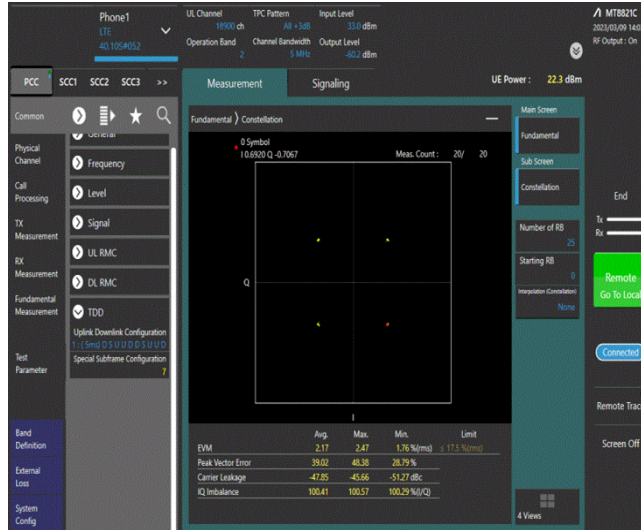
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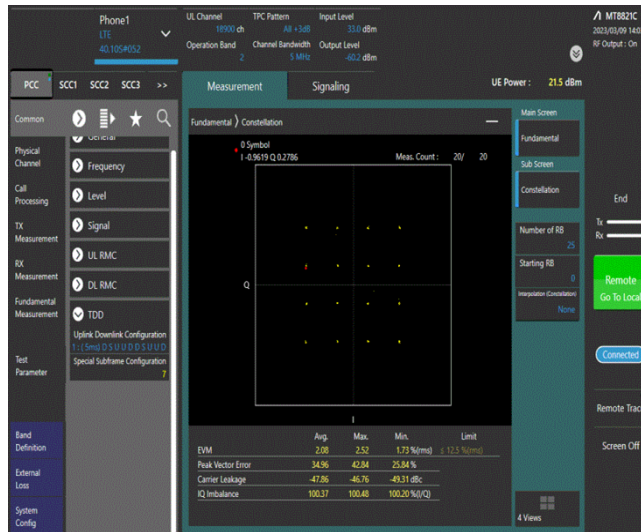
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Test Graphs

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



Band2-5MHz-16QAM-18900-25RB#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	1.088	1.30	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.30	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.088	1.29	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.096	1.31	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.696	3.02	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	3.01	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.694	3.01	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.688	3.01	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.69	3.02	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.689	3.02	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.47	4.92	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.472	4.93	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.469	4.93	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.468	4.97	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.465	5.01	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.462	4.93	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.937	9.90	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.937	9.90	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.922	9.86	PASS
Band2	10MHz	16QAM	18650	27RB#0	4.878	5.94	PASS
Band2	10MHz	16QAM	18900	27RB#0	4.878	5.90	PASS
Band2	10MHz	16QAM	19150	27RB#0	4.876	5.82	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.509	15.27	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.492	15.33	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.509	15.18	PASS
Band2	15MHz	16QAM	18675	27RB#0	5.234	6.87	PASS
Band2	15MHz	16QAM	18900	27RB#0	5.213	6.81	PASS
Band2	15MHz	16QAM	19125	27RB#0	5.226	6.90	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.957	20.00	PASS



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Band2	20MHz	QPSK	18900	100RB#0	17.914	20.08	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.943	19.84	PASS
Band2	20MHz	16QAM	18700	27RB#0	5.28	7.00	PASS
Band2	20MHz	16QAM	18900	27RB#0	5.26	7.4	PASS
Band2	20MHz	16QAM	19100	27RB#0	5.242	6.92	PASS



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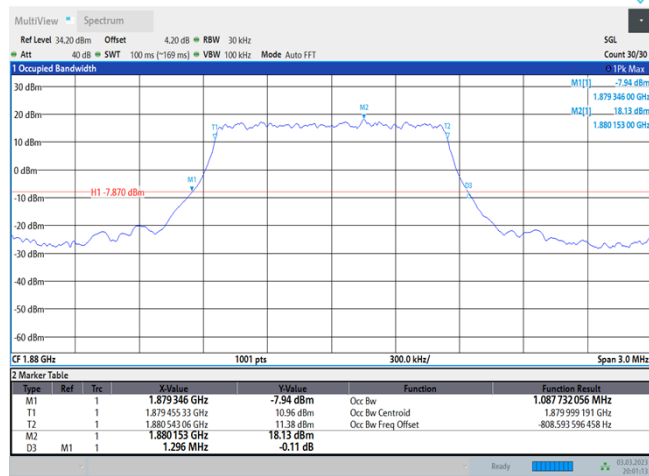
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Band2-1.4MHz-QPSK-18607-6RB#0



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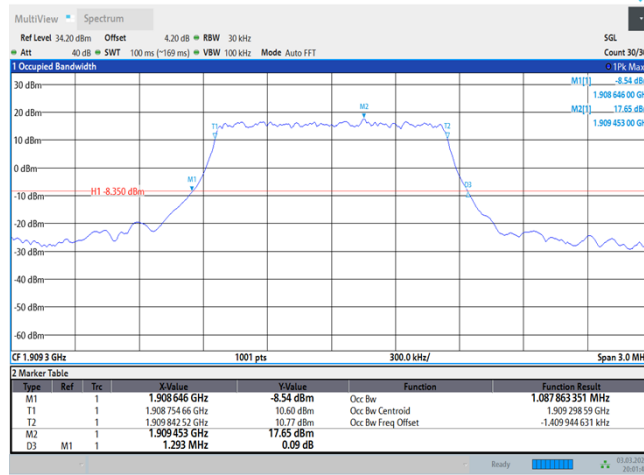
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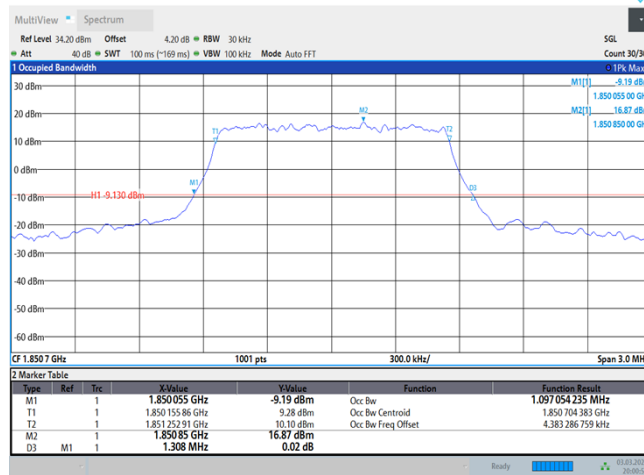
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Band2-1.4MHz-16QAM-18607-6RB#0



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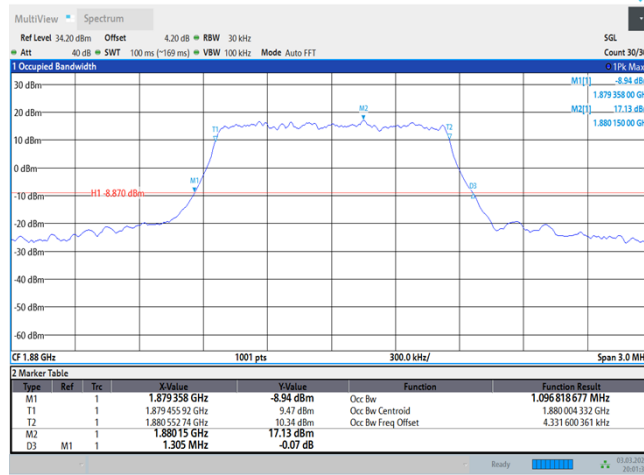


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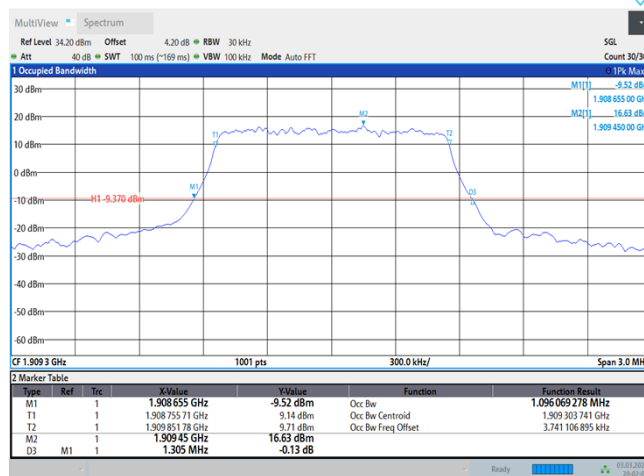
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Band2-1.4MHz-16QAM-18900-6RB#0



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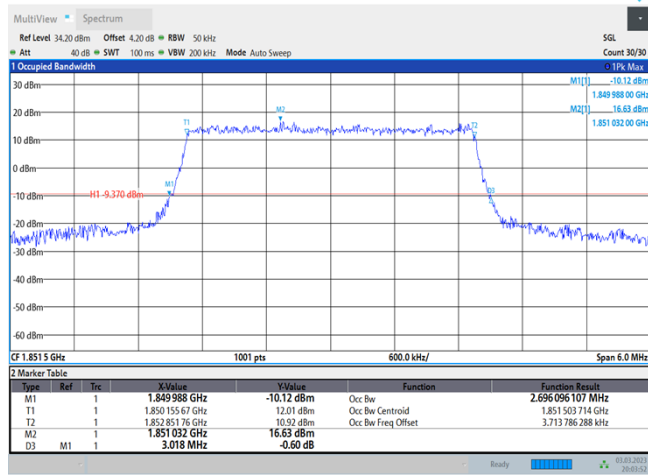


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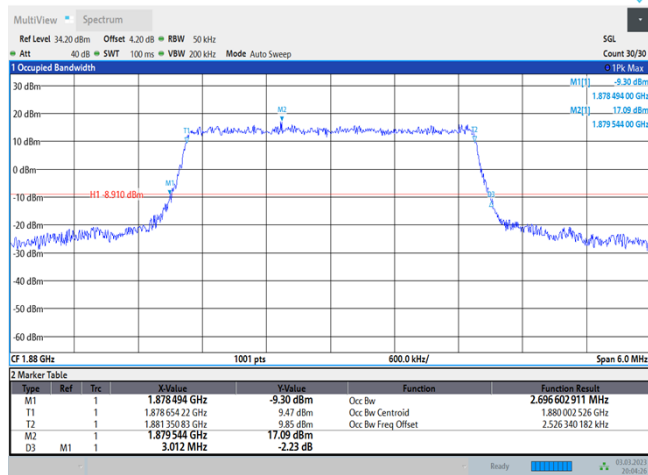


Band2-3MHz-QPSK-18615-15RB#0



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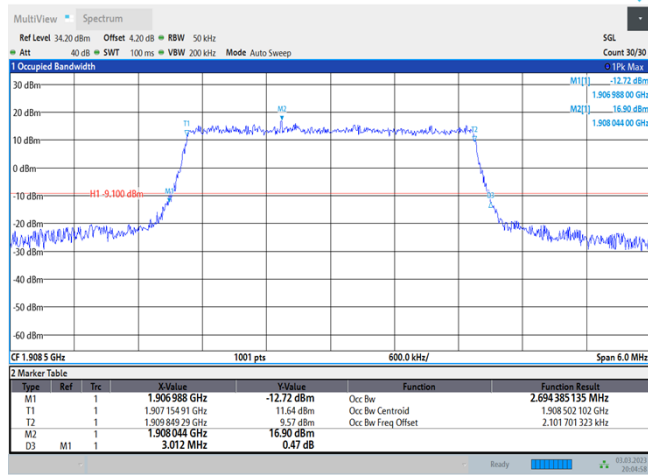
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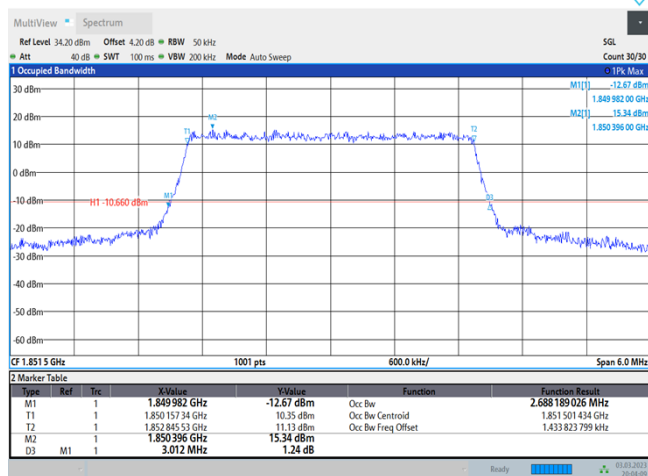
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Band2-3MHz-QPSK-19185-15RB#0



20:04:59 03.03.2023

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



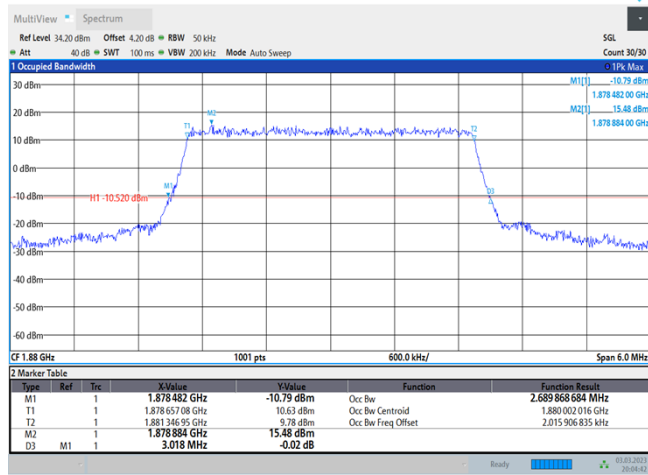
20:04:09 03.03.2023



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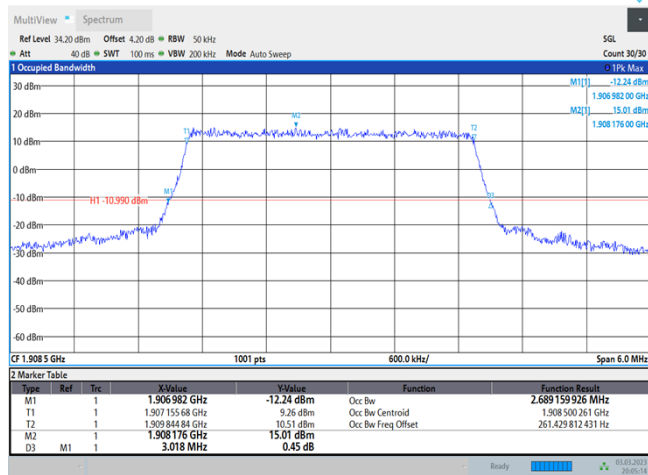
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Band2-3MHz-16QAM-18900-15RB#0



20:04:42 03.03.2023

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



20:05:15 03.03.2023

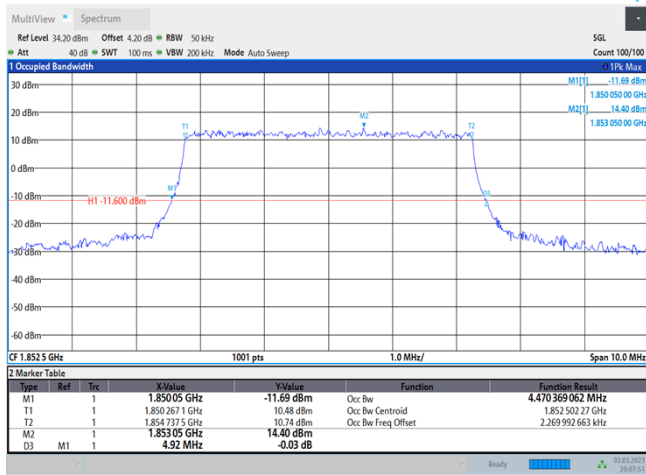


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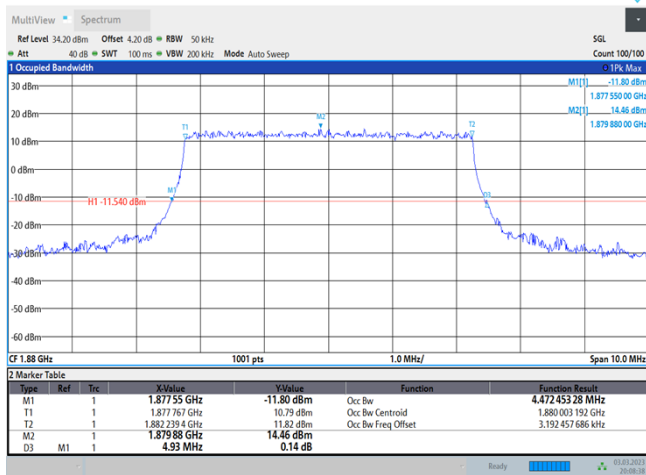
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Band2-5MHz-QPSK-18625-25RB#0



20:07:52 03.03.2023

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



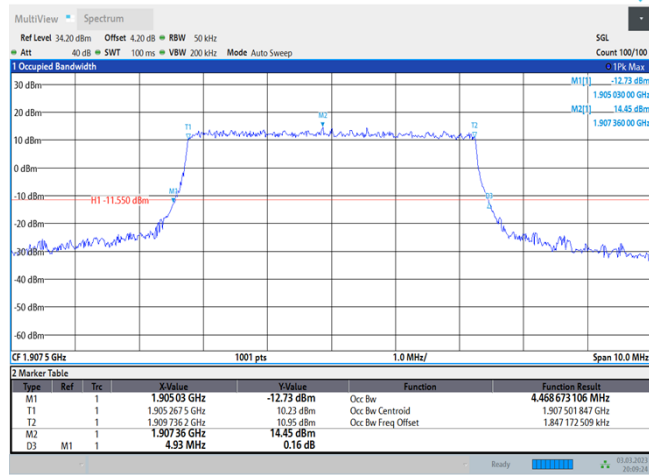
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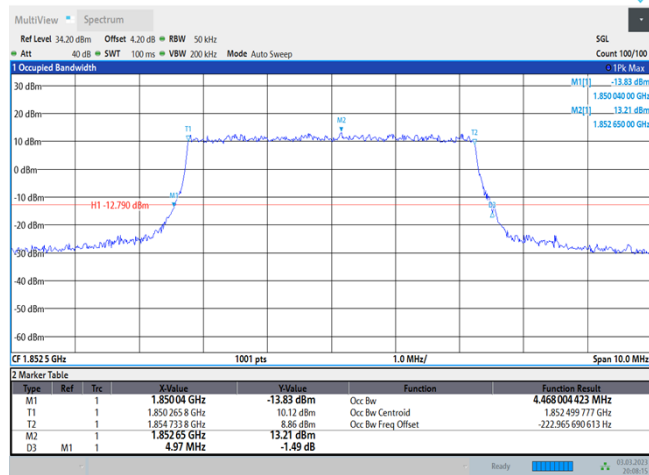
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Band2-5MHz-QPSK-19175-25RB#0



20:09:25 03.03.2023

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



20:08:15 03.03.2023



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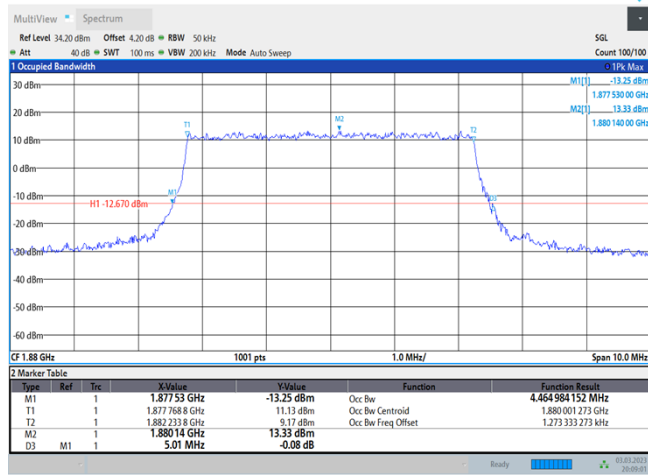
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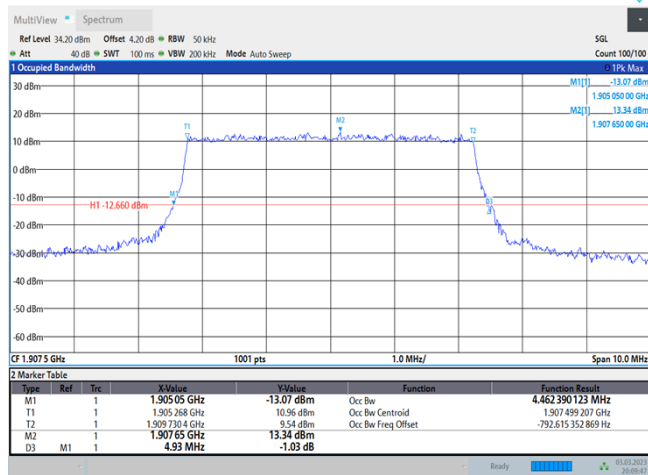
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Band2-5MHz-16QAM-18900-25RB#0



20:09:02 03.03.2023

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



20:09:48 03.03.2023

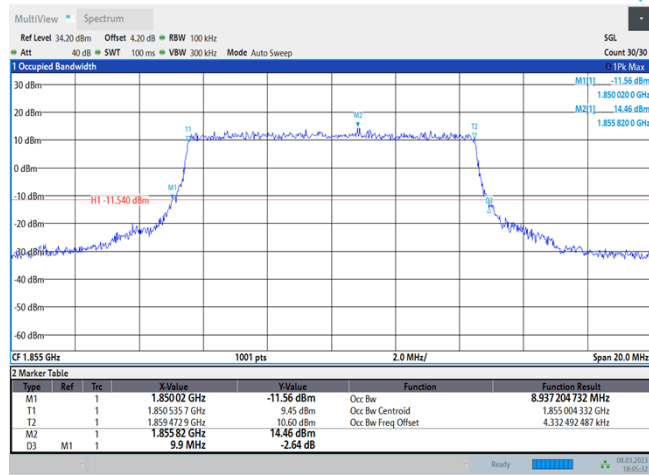


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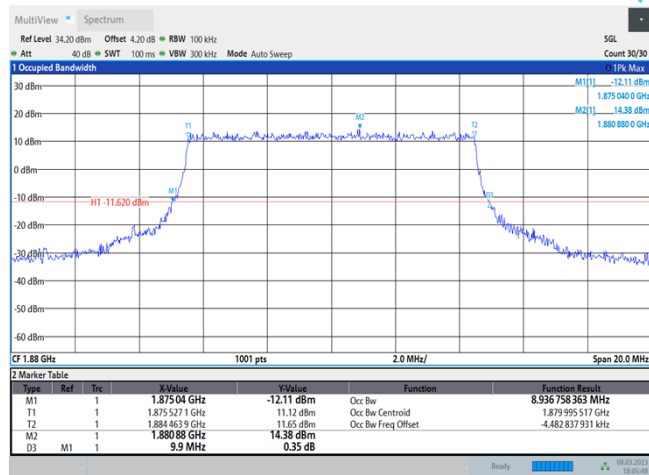
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Band2-10MHz-QPSK-18650-50RB#0



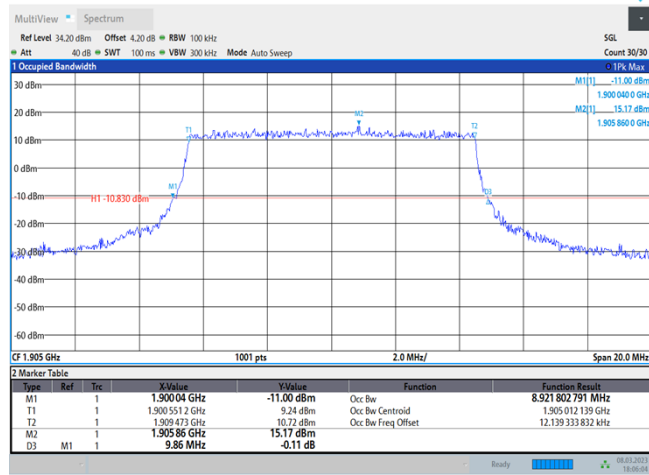
Band2-10MHz-QPSK-18900-50RB#0



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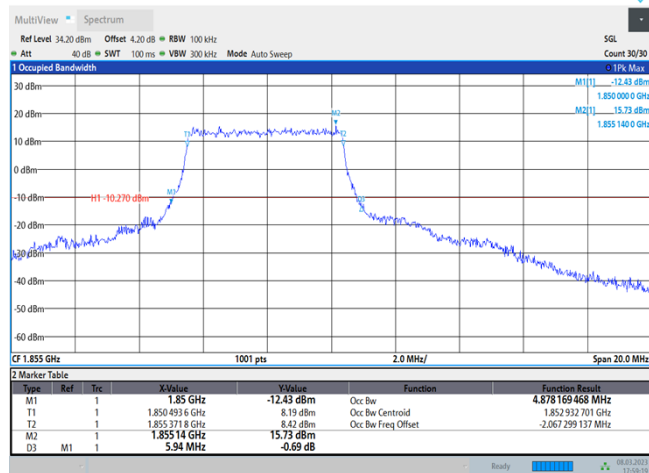
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Band2-10MHz-QPSK-19150-50RB#0



18:06:05 08.03.2023

Band2-10MHz-16QAM-18650-27RB#0



17:59:20 08.03.2023

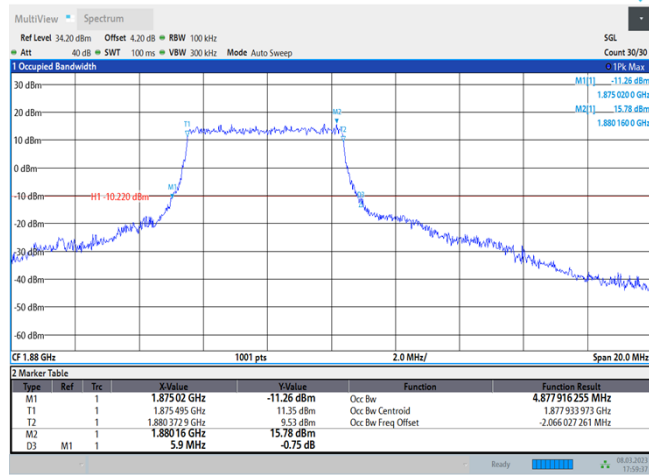


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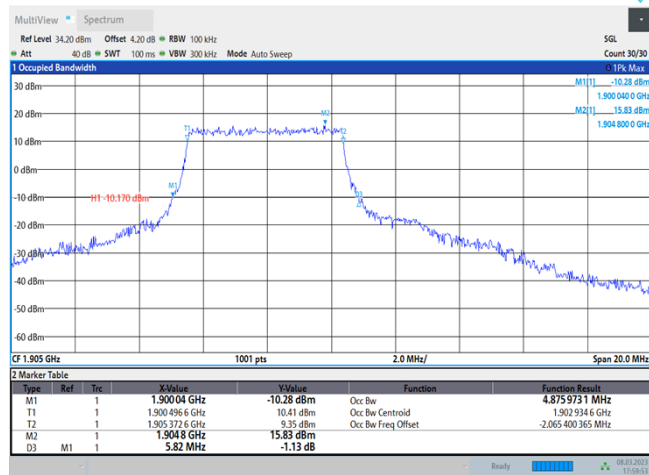


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17:59:37 08.03.2023

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17:59:53 08.03.2023



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