Appendix B.2

LTE Band 4

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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
Band4	1.4MHz	QPSK	19957	1RB#0	23.5	25.04	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.7	25.24	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.75	25.29	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.75	24.29	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.69	25.23	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.82	25.36	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.76	25.3	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.8	24.34	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.59	25.13	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.58	25.12	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.56	25.1	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.61	24.15	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.03	24.57	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.95	24.49	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.02	24.56	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.9	23.44	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.1	24.64	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.16	24.7	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.96	24.5	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.99	23.53	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.85	24.39	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.81	24.35	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.82	24.36	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.89	23.43	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.5	25.04	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.79	25.33	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.61	25.15	30	PASS

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Band4	3MHz	QPSK	19965	15RB#0	22.83	24.37	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.73	25.27	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.85	25.39	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.66	25.2	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.76	24.3	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.43	24.97	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.57	25.11	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.46	25	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.54	24.08	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.77	24.31	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.01	24.55	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.85	24.39	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.9	23.44	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.95	24.49	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.02	24.56	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.93	24.47	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.9	23.44	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.75	24.29	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.94	24.48	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.79	24.33	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.74	23.28	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.8	25.34	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.96	25.5	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.98	25.52	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.03	24.57	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.91	25.45	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.84	25.38	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.87	25.41	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.85	24.39	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.69	25.23	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.63	25.17	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.69	25.23	30	PASS

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Band4	5MHz	QPSK	20375	25RB#0	22.65	24.19	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.17	24.71	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.19	24.73	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.35	24.89	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.09	23.63	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.15	24.69	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.11	24.65	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.19	24.73	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.96	23.5	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.97	24.51	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.9	24.44	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.04	24.58	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.84	23.38	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.75	25.29	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.99	25.53	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.02	25.56	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.91	24.45	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.69	25.23	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.96	25.5	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.93	25.47	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.91	24.45	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.8	25.34	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.83	25.37	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.87	25.41	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.87	24.41	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.06	24.6	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.19	24.73	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.16	24.7	30	PASS
Band4	10MHz	16QAM	20000	27RB#0	23.53	25.07	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.1	24.64	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.26	24.8	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.11	24.65	30	PASS

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Band4	10MHz	16QAM	20175	27RB#0	23.53	25.07	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.14	24.68	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.23	24.77	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.26	24.8	30	PASS
Band4	10MHz	16QAM	20350	27RB#0	23.47	25.01	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.86	25.4	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.13	25.67	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.36	25.9	30	PASS
Band4	15MHz	QPSK	20025	27RB#0	23.26	24.8	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.79	25.33	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	24	25.54	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.87	25.41	30	PASS
Band4	15MHz	QPSK	20175	27RB#0	22.97	24.51	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.55	25.09	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.88	25.42	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.93	25.47	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.9	24.44	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.18	24.72	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.28	24.82	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.5	25.04	30	PASS
Band4	15MHz	16QAM	20025	27RB#0	21.36	22.9	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.97	24.51	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.04	24.58	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.05	24.59	30	PASS
Band4	15MHz	16QAM	20175	27RB#0	21.52	23.06	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.85	24.39	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.06	24.6	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.04	24.58	30	PASS
Band4	15MHz	16QAM	20325	27RB#0	21.56	23.1	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.85	25.39	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.22	25.76	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.35	25.89	30	PASS

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Band4	20MHz	QPSK	20050	100RB#0	23.35	24.89	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.77	25.31	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.01	25.55	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.98	25.52	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.03	24.57	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.43	24.97	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.89	25.43	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.01	25.55	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.99	24.53	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.05	24.59	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.4	24.94	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.54	25.08	30	PASS
Band4	20MHz	16QAM	20050	27RB#0	21.69	23.23	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.99	24.53	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.16	24.7	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.97	24.51	30	PASS
Band4	20MHz	16QAM	20175	27RB#0	21.45	22.99	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.94	24.48	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.97	24.51	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.05	24.59	30	PASS
Band4	20MHz	16QAM	20300	27RB#0	21.36	22.9	30	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.08	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.40	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.50	13	PASS

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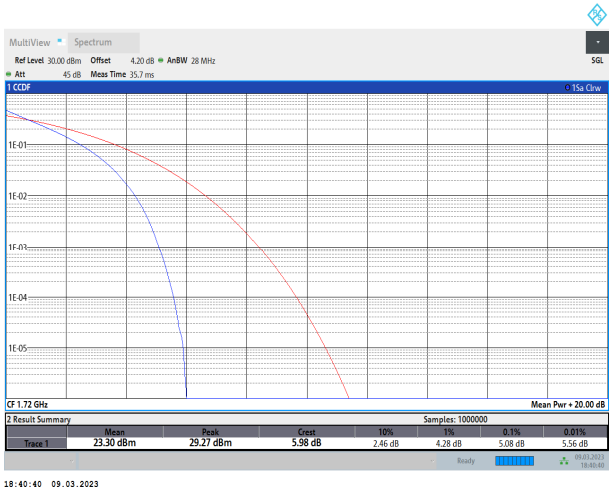
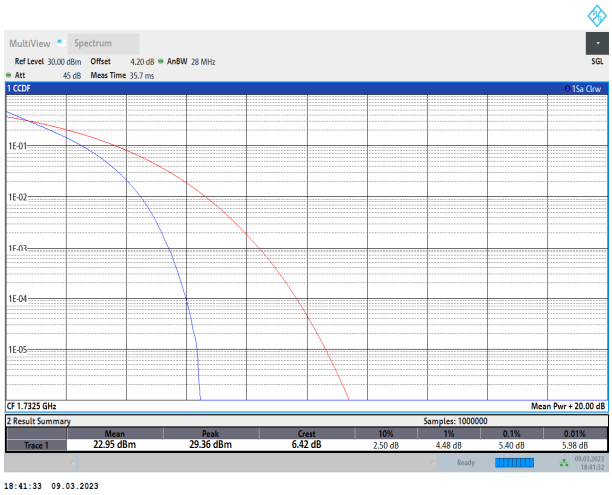
Test Graphs

Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20175-100RB#0



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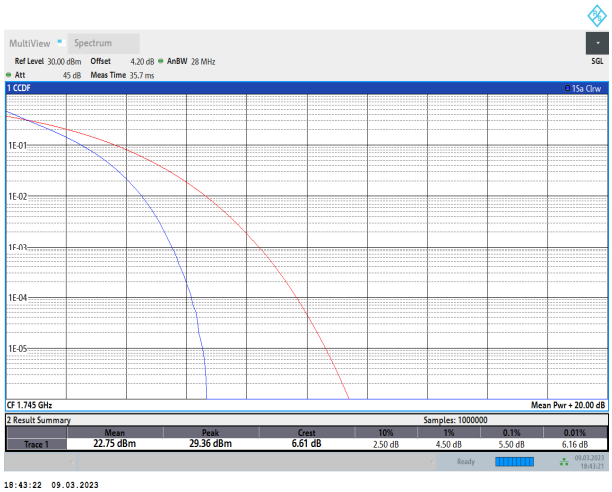
Band4-20MHz-QPSK-20300-100RB#0


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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	5MHz	QPSK	20175	25RB#0	PASS	PASS
Band4	5MHz	16QAM	20175	25RB#0	PASS	PASS

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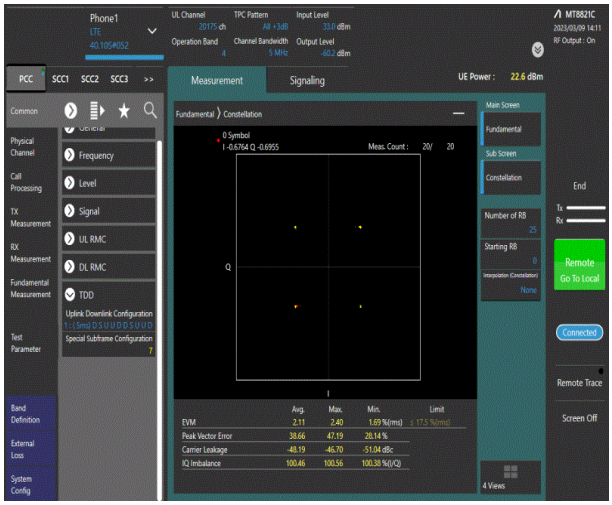
Test Graphs

Band4-5MHz-QPSK-20175-25RB#0



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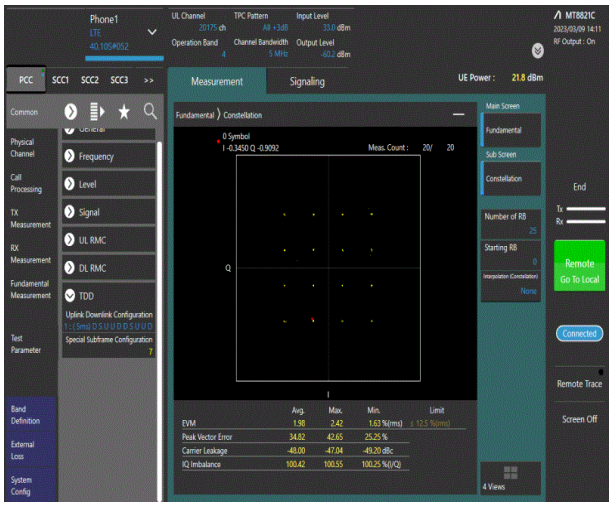

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.093	1.29	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.087	1.29	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.28	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.097	1.31	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.097	1.31	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.096	1.31	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	3.01	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	3.01	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.696	3.01	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.689	3.01	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.69	3.02	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.69	3.02	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.47	4.92	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.47	4.93	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.469	4.94	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.468	4.98	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.465	4.97	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.468	4.99	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.928	9.88	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.933	9.92	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.939	9.96	PASS
Band4	10MHz	16QAM	20000	27RB#0	4.879	5.86	PASS
Band4	10MHz	16QAM	20175	27RB#0	4.882	5.90	PASS
Band4	10MHz	16QAM	20350	27RB#0	4.881	5.82	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.502	15.36	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.514	15.30	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.517	15.30	PASS
Band4	15MHz	16QAM	20025	27RB#0	5.202	6.78	PASS
Band4	15MHz	16QAM	20175	27RB#0	5.206	6.9	PASS
Band4	15MHz	16QAM	20325	27RB#0	5.231	6.81	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.947	20.08	PASS

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Band4	20MHz	QPSK	20175	100RB#0	17.95	20.12	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.957	20.24	PASS
Band4	20MHz	16QAM	20050	27RB#0	5.244	7.24	PASS
Band4	20MHz	16QAM	20175	27RB#0	5.235	6.96	PASS
Band4	20MHz	16QAM	20300	27RB#0	5.245	7.00	PASS

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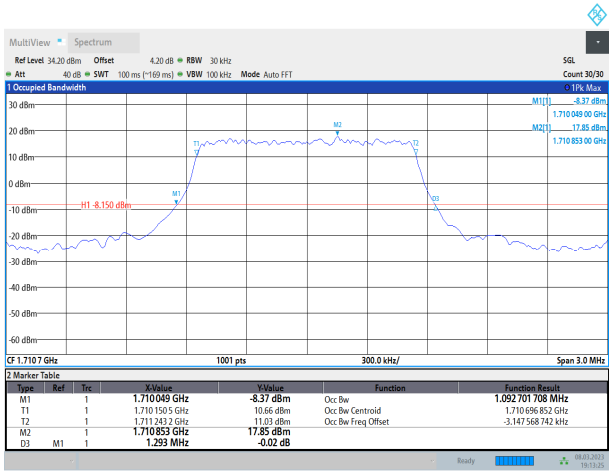
Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0



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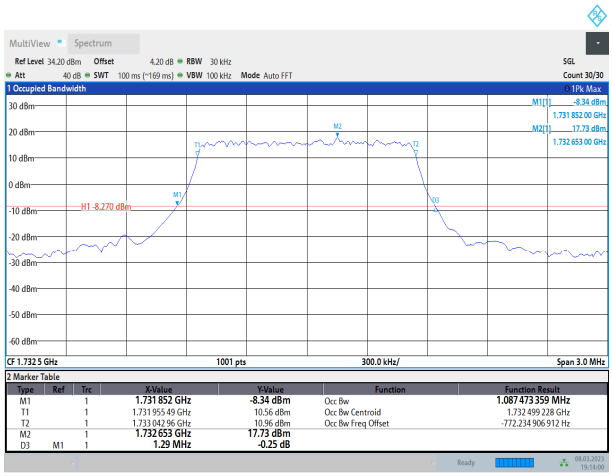

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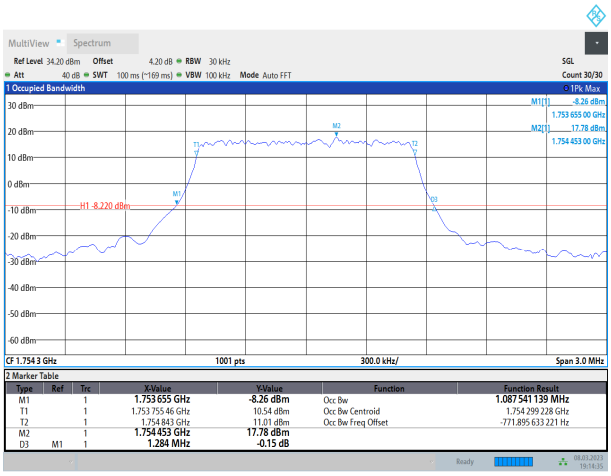
Band4-1.4MHz-QPSK-20393-6RB#0



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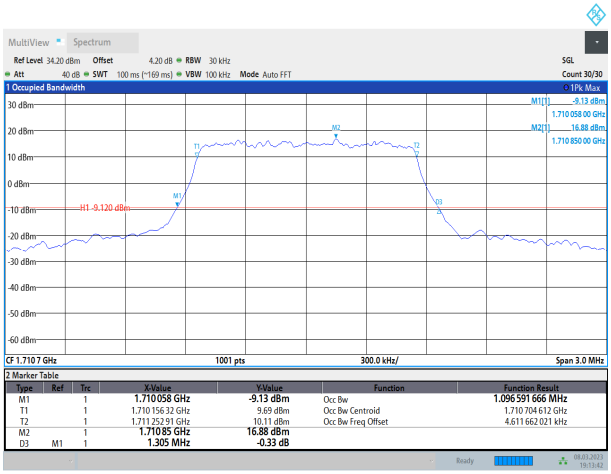

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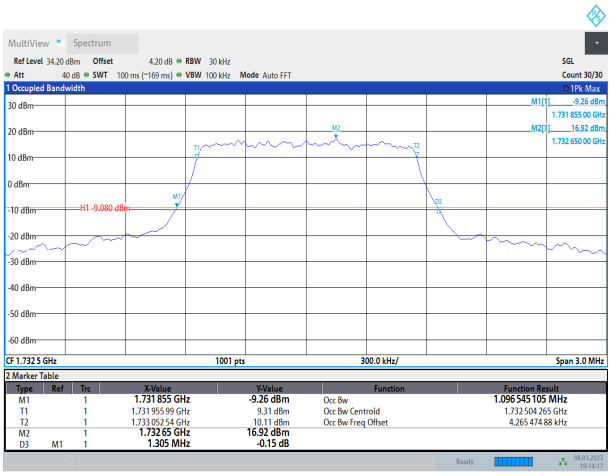

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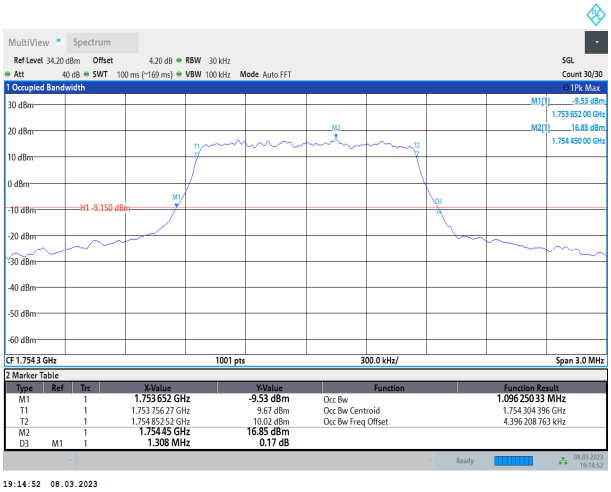

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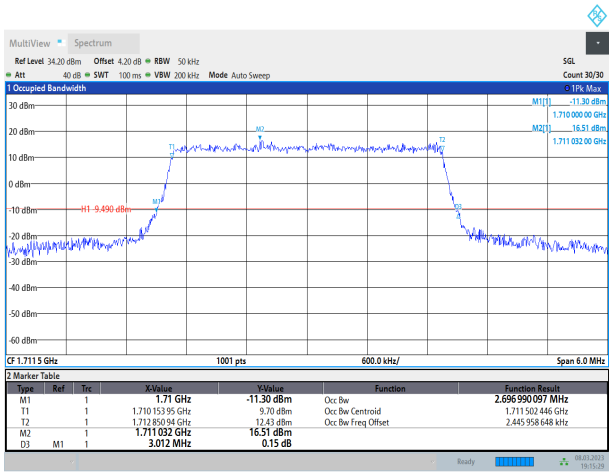
Band4-3MHz-QPSK-19965-15RB#0



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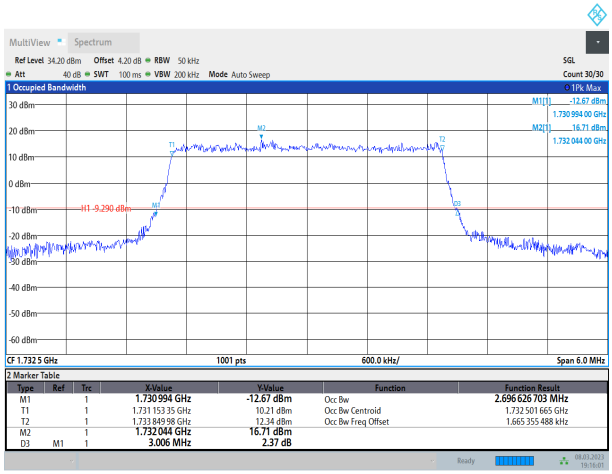

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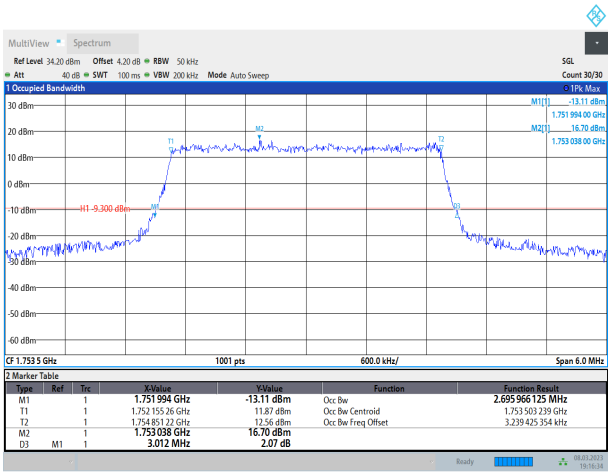

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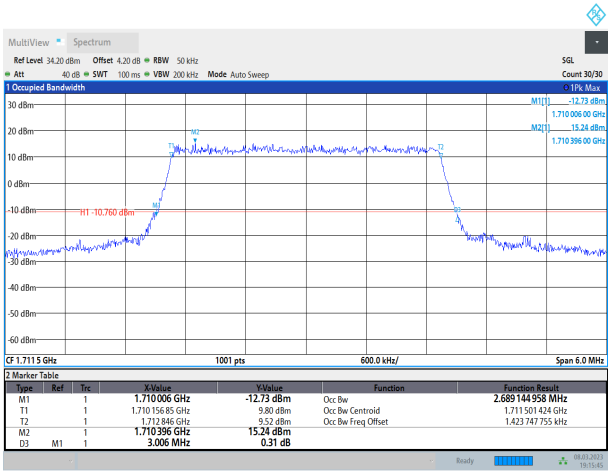

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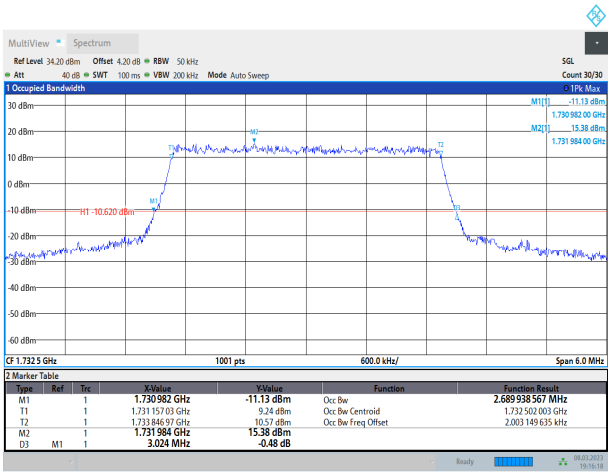
Band4-3MHz-16QAM-20175-15RB#0



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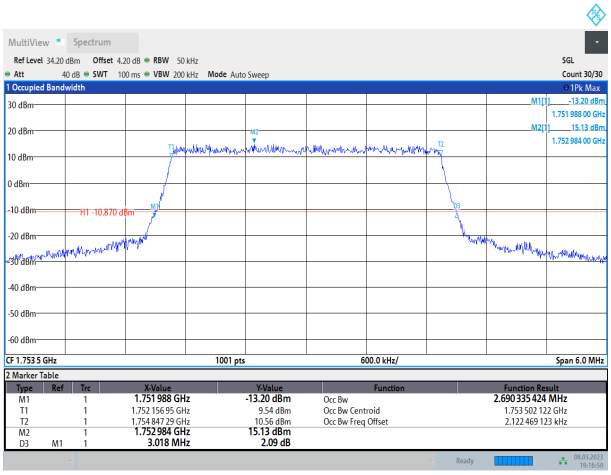

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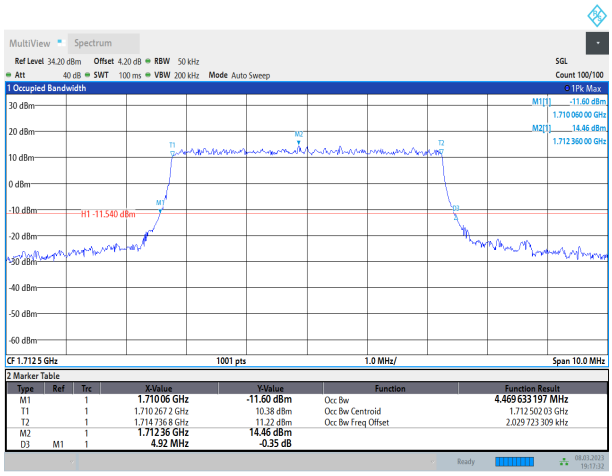
Band4-5MHz-QPSK-19975-25RB#0



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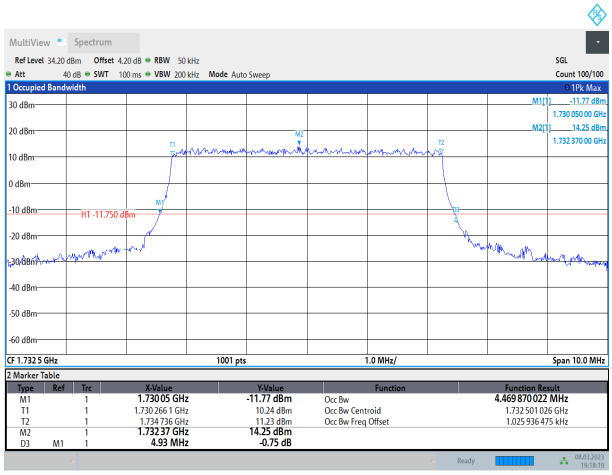

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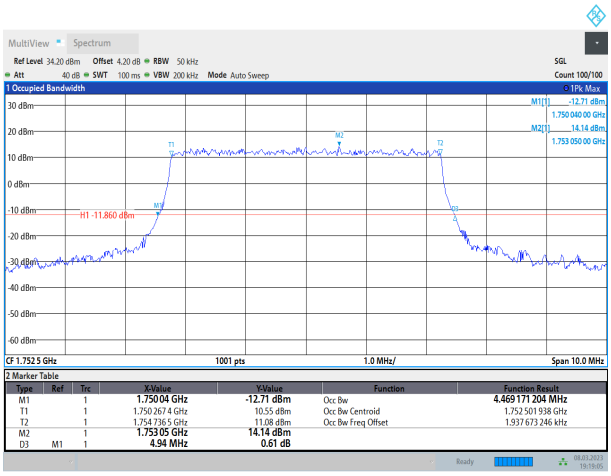
Band4-5MHz-QPSK-20375-25RB#0



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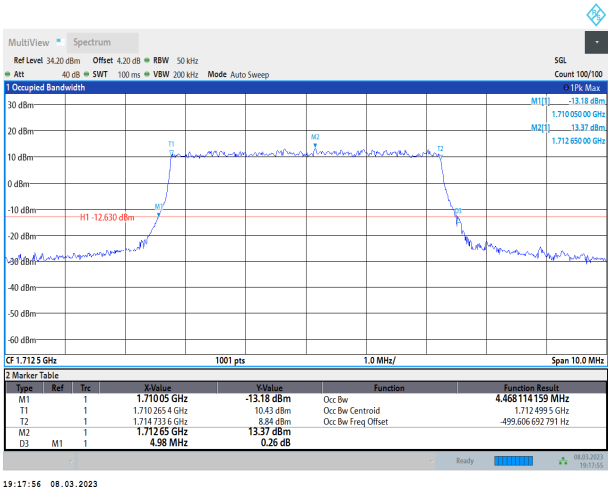

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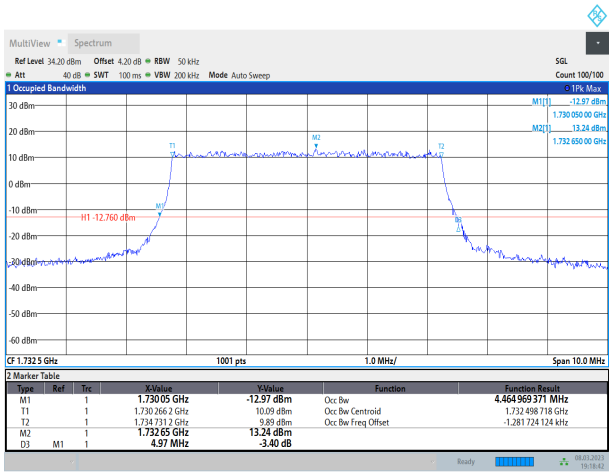
Band4-5MHz-16QAM-20175-25RB#0



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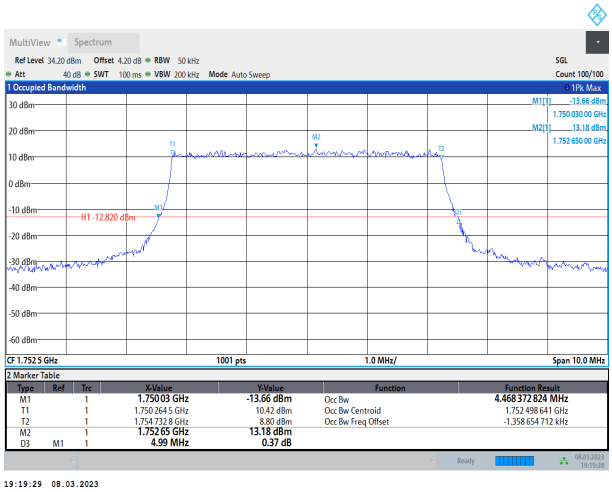

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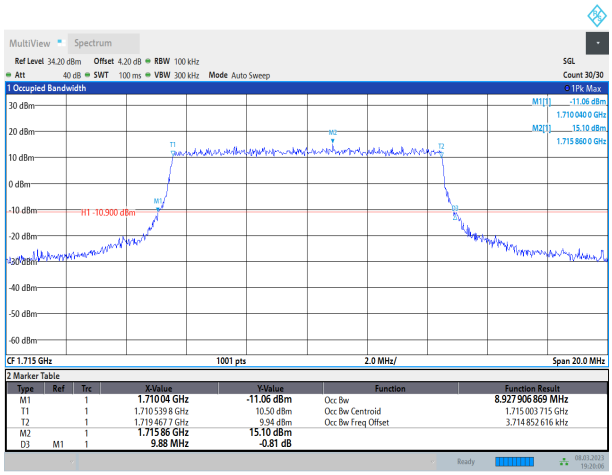
Band4-10MHz-QPSK-20000-50RB#0



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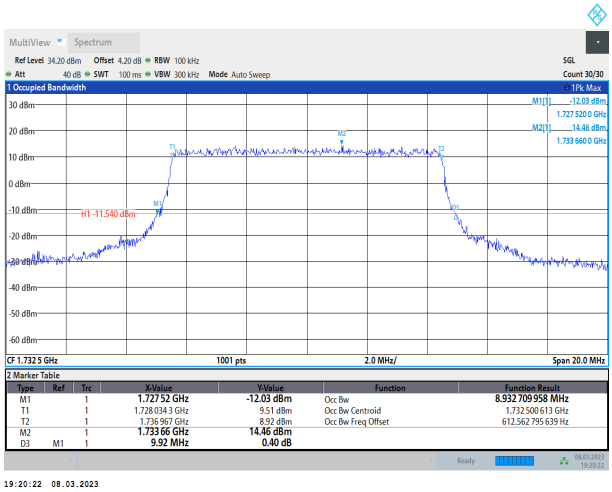

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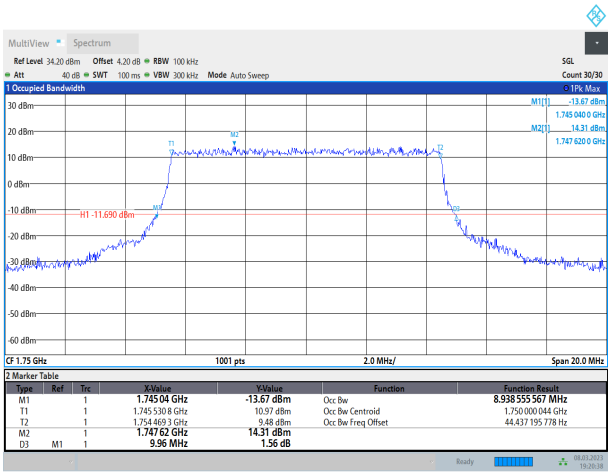
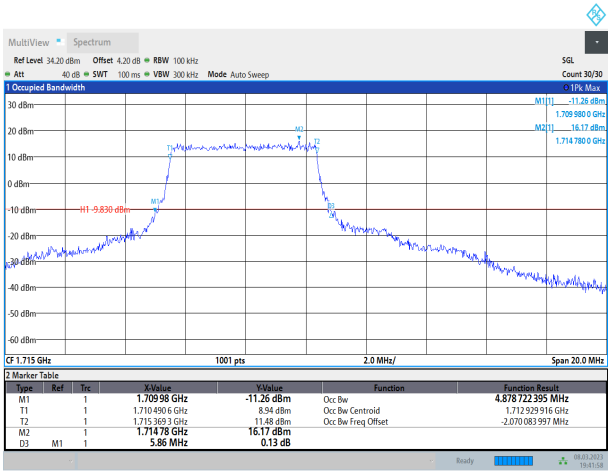
Band4-10MHz-QPSK-20350-50RB#0



Band4-10MHz-16QAM-20000-27RB#0



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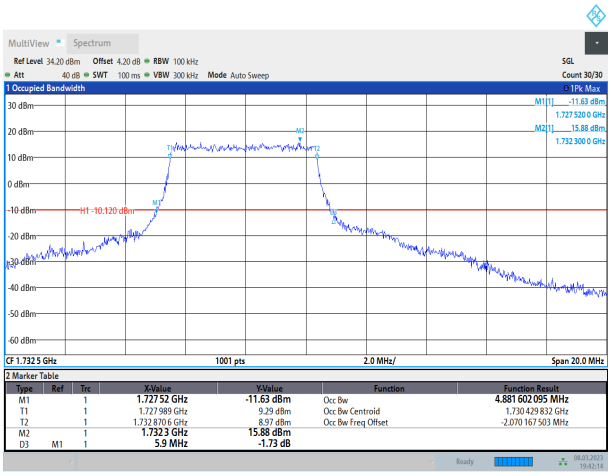

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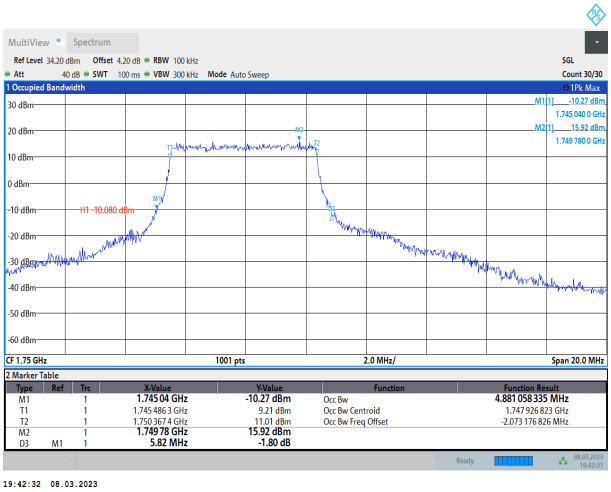

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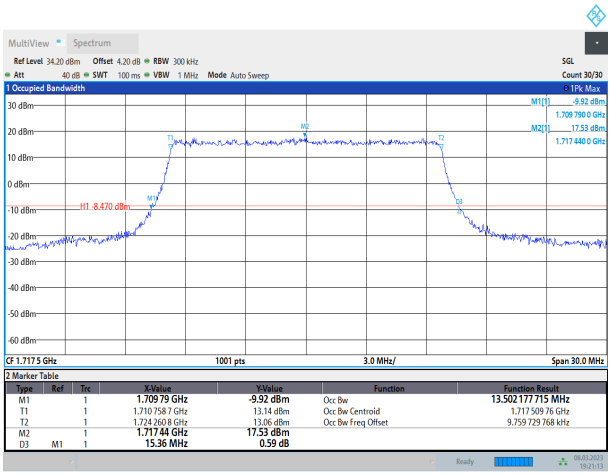

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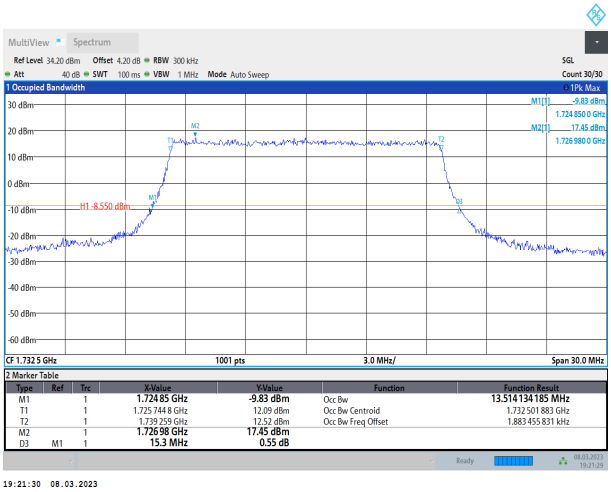

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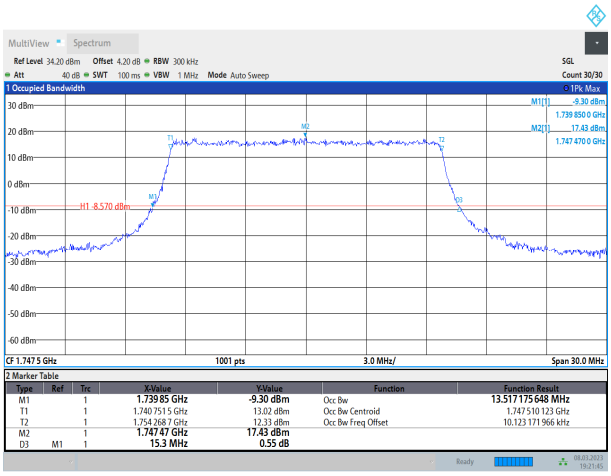

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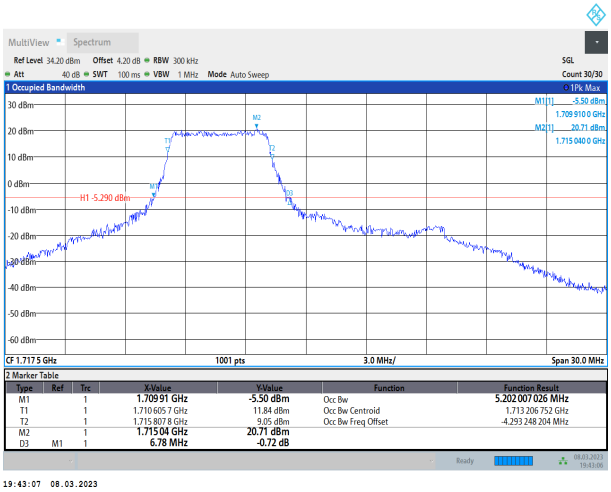

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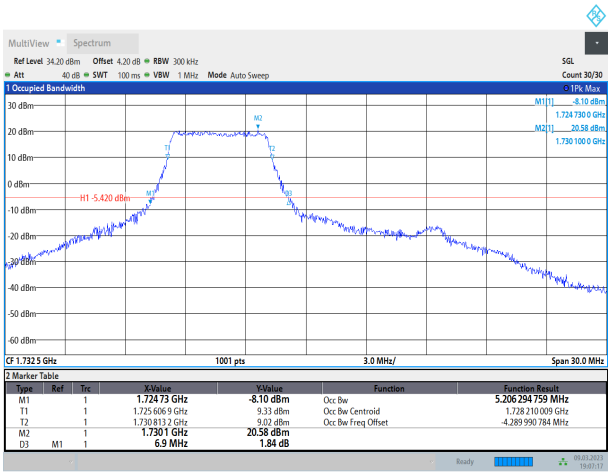

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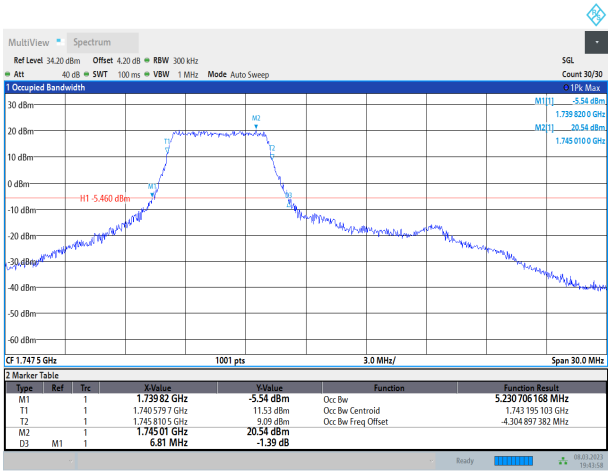

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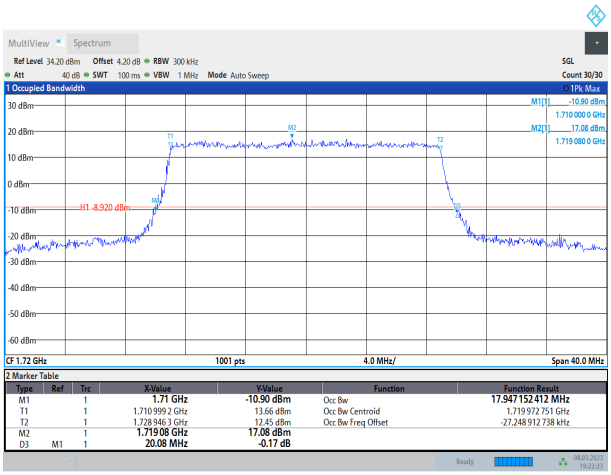
Band4-20MHz-QPSK-20050-100RB#0



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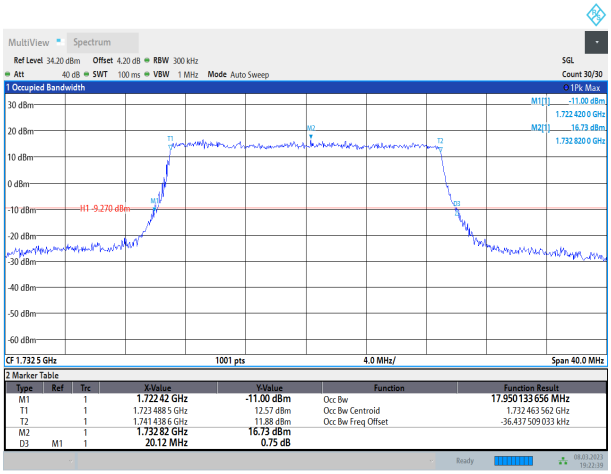

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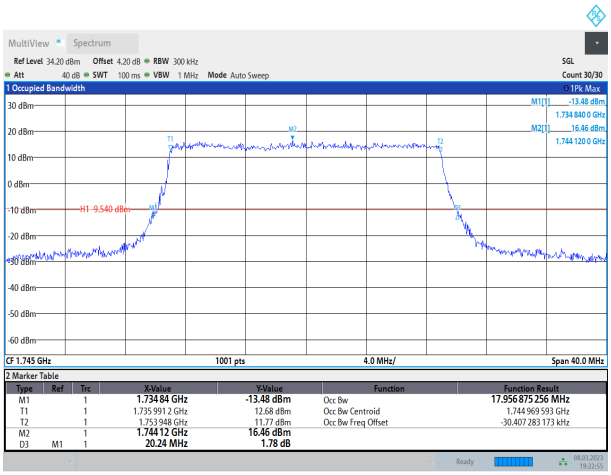
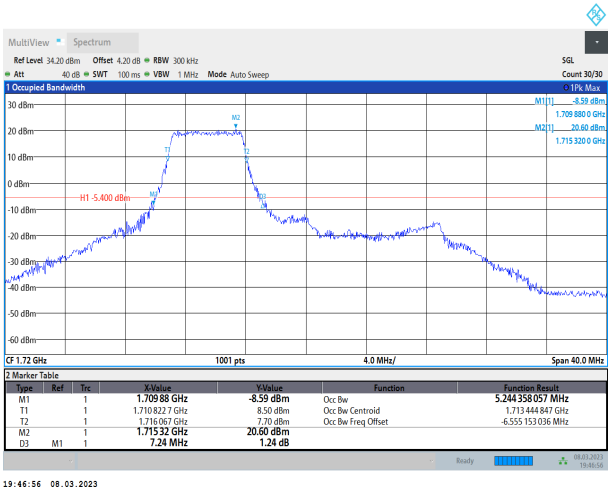
Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-27RB#0



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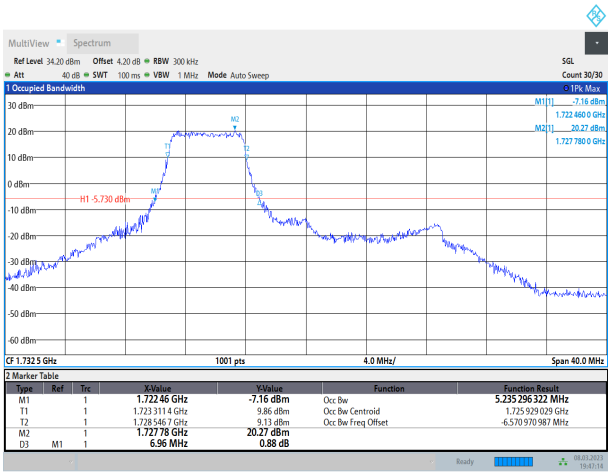
Band4-20MHz-16QAM-20175-27RB#0



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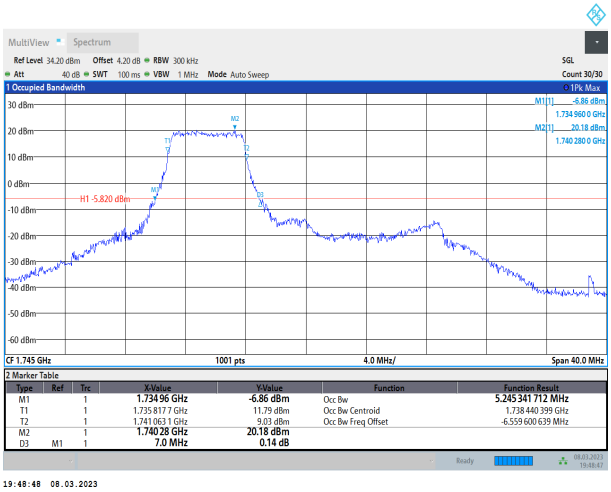

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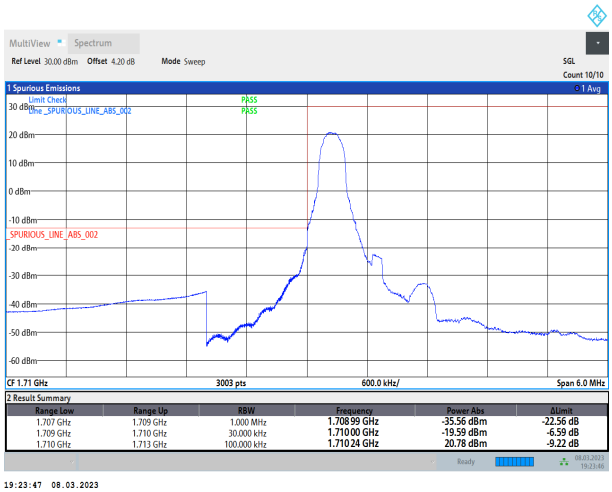
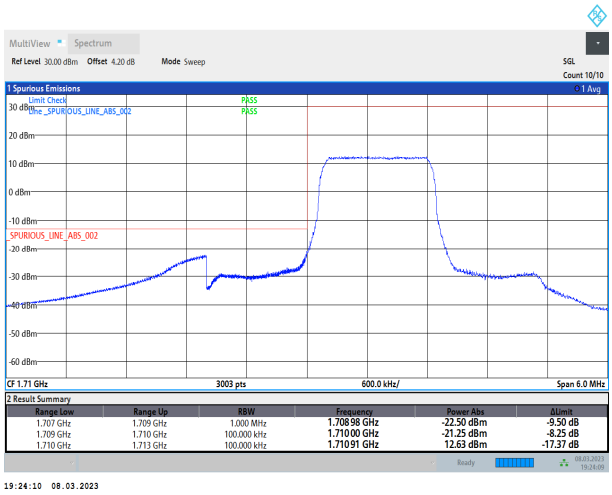
Band Edge

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



Band4-1.4MHz-QPSK-19957-6RB#0



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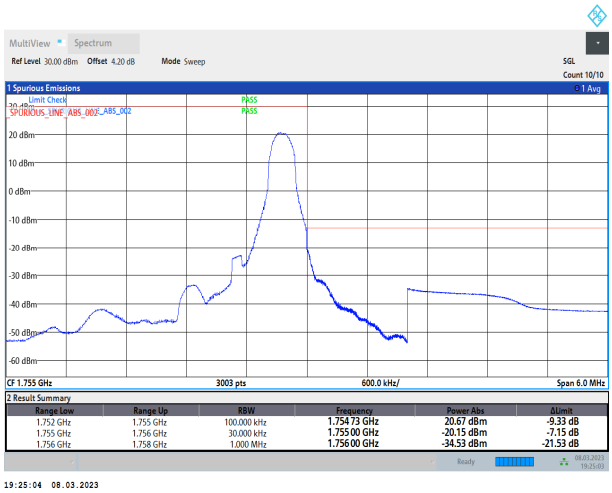
Band4-1.4MHz-QPSK-20393-1RB#5



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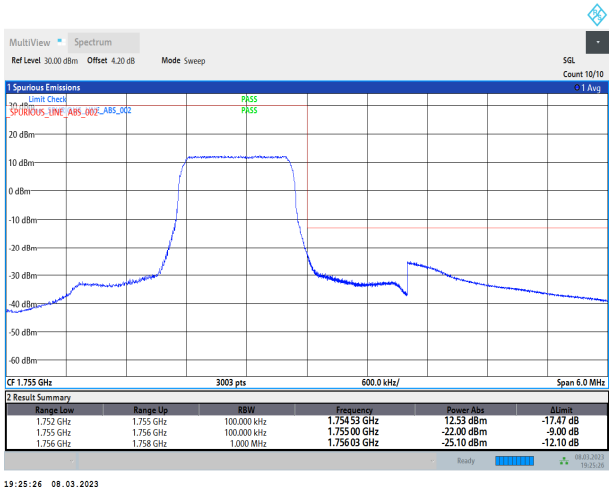

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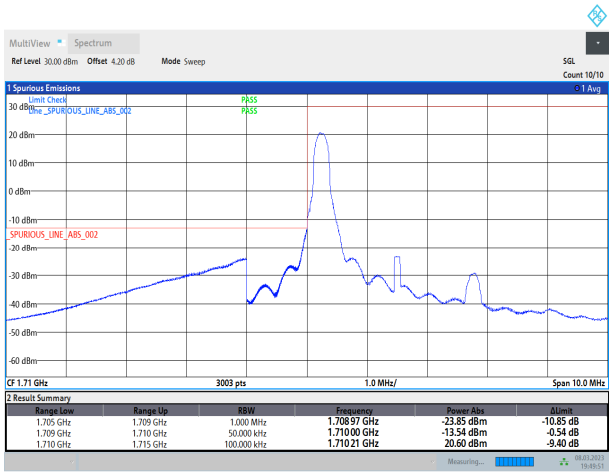
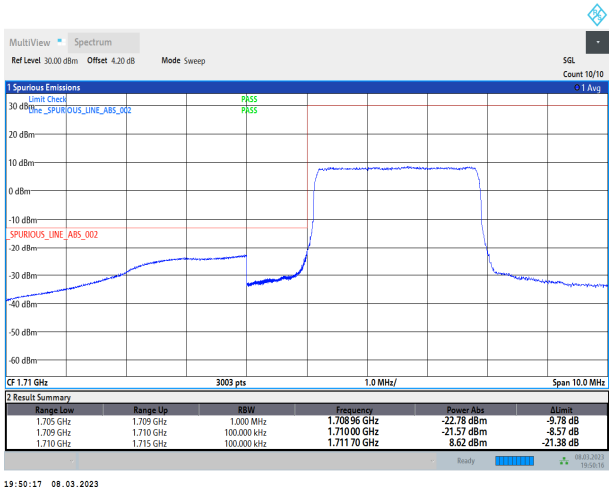
Band4-3MHz-QPSK-19965-1RB#0



Band4-3MHz-QPSK-19965-15RB#0



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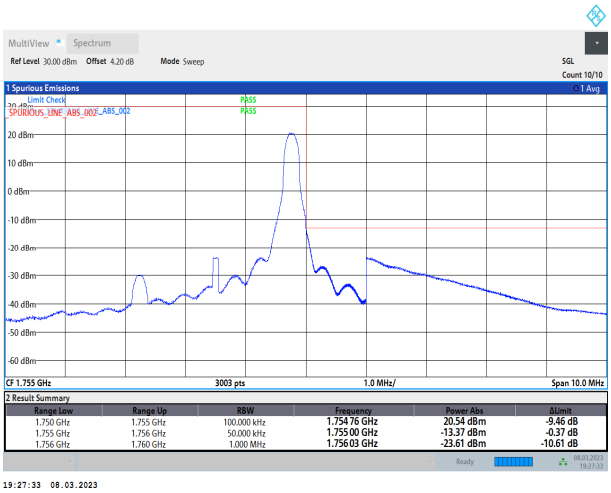
Band4-3MHz-QPSK-20385-1RB#14



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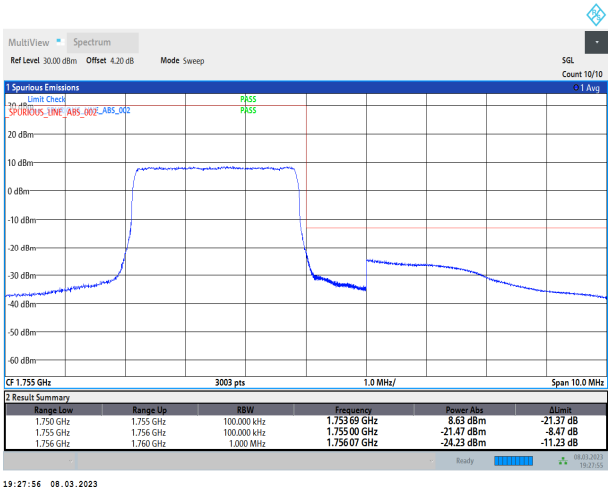

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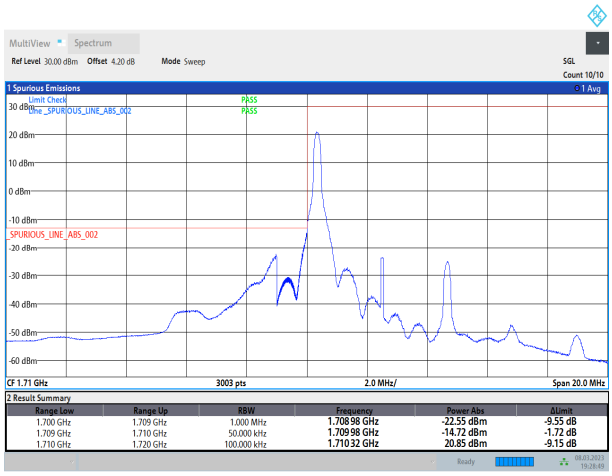
Band4-5MHz-QPSK-19975-1RB#0



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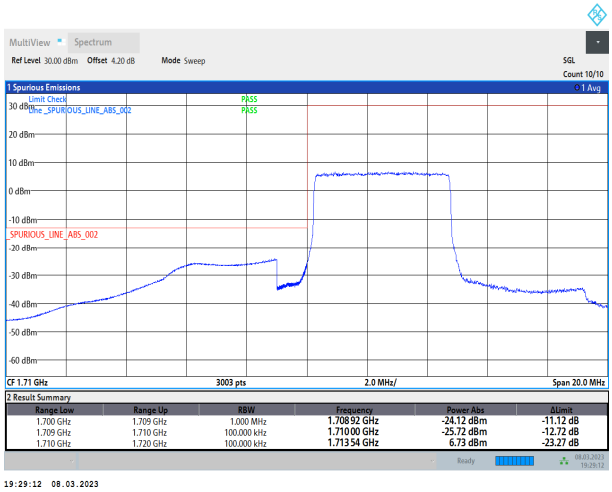

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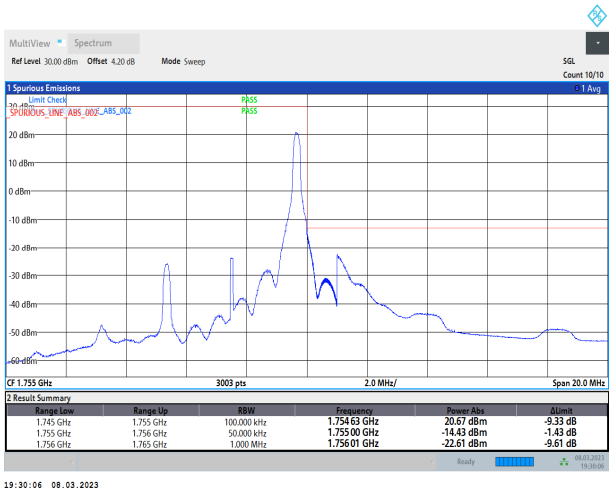
Band4-5MHz-QPSK-20375-1RB#24



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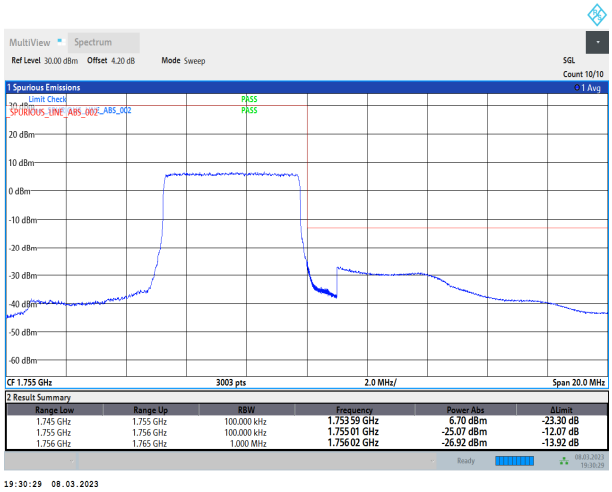

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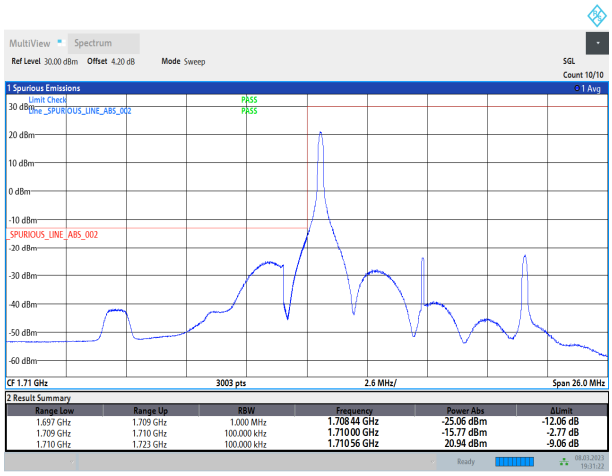
Band4-10MHz-QPSK-20000-1RB#0



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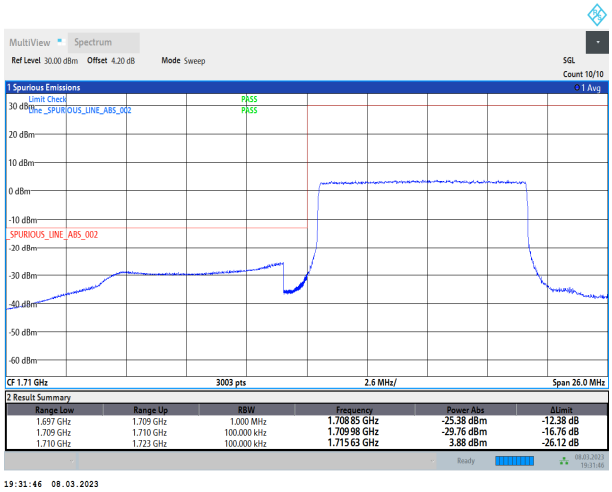

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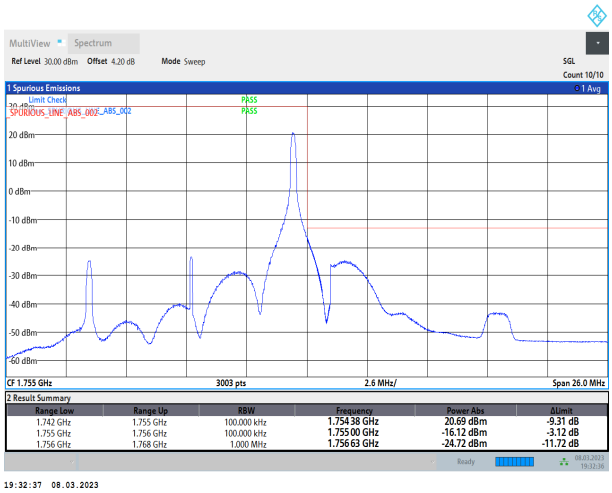
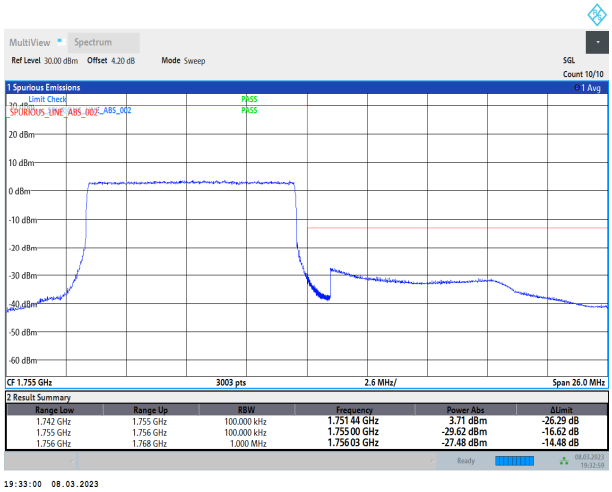
Band4-10MHz-QPSK-20350-1RB#49



Band4-10MHz-QPSK-20350-50RB#0



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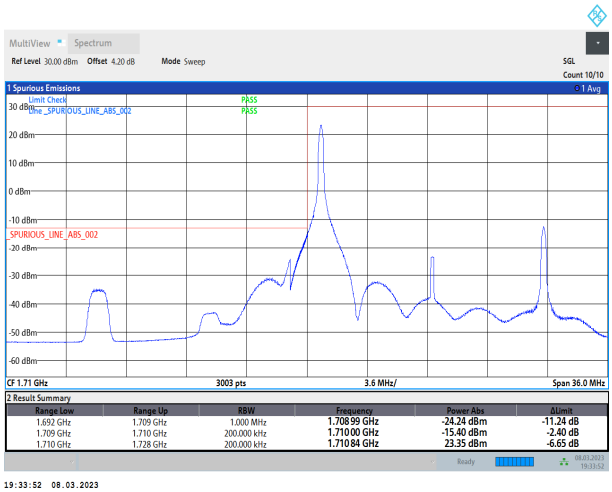
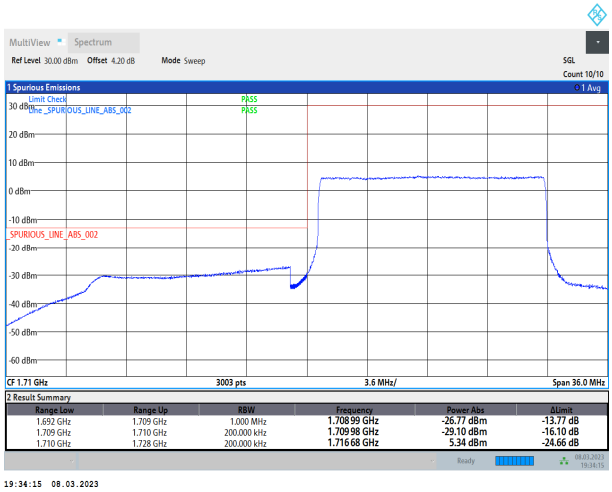
Band4-15MHz-QPSK-20025-1RB#0



Band4-15MHz-QPSK-20025-75RB#0



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

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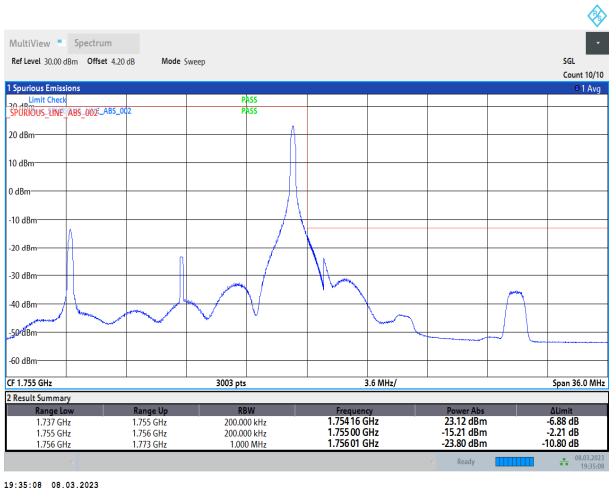
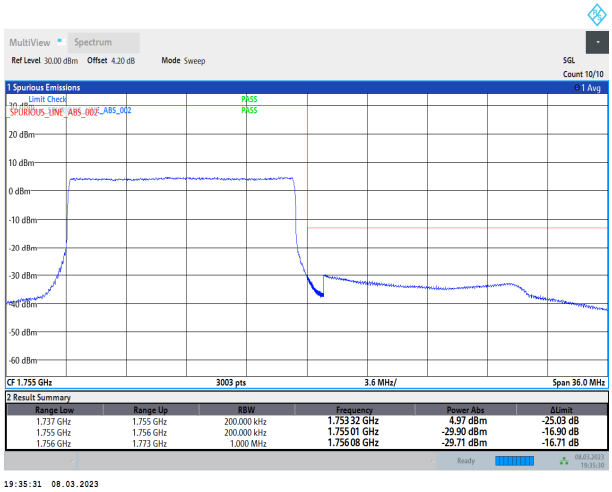
Band4-15MHz-QPSK-20325-1RB#74



Band4-15MHz-QPSK-20325-75RB#0



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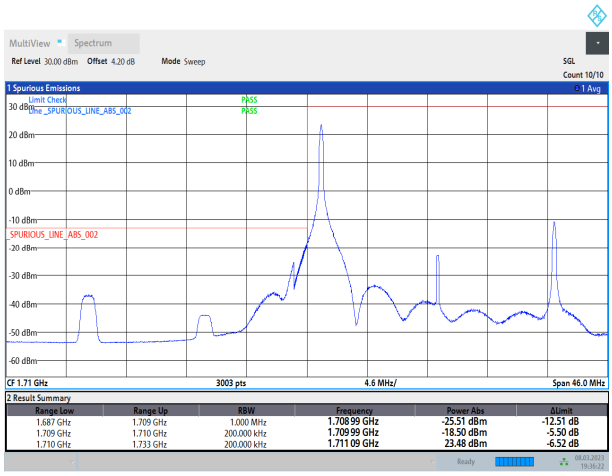
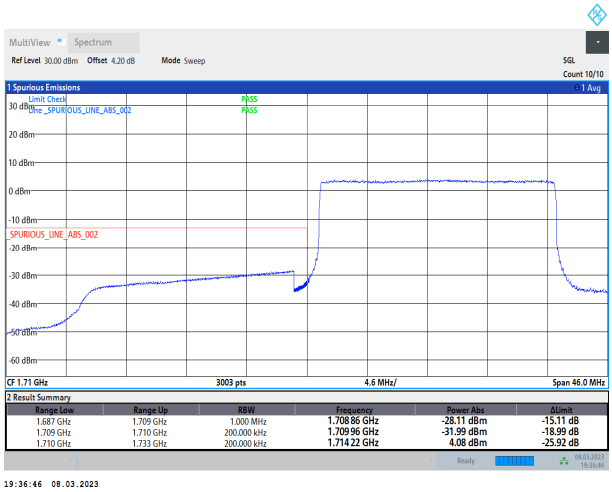
Band4-20MHz-QPSK-20050-1RB#0



Band4-20MHz-QPSK-20050-100RB#0



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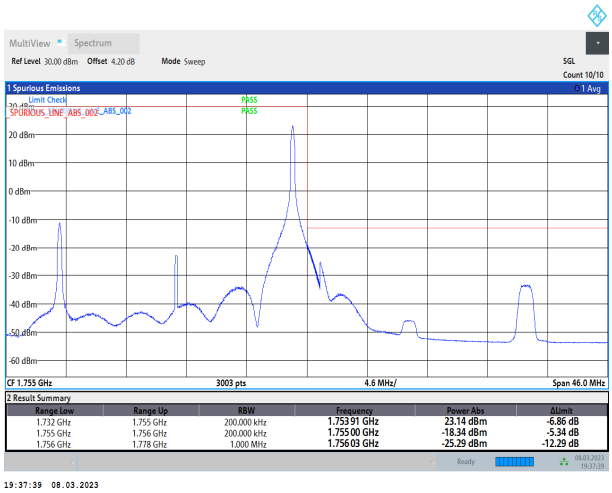
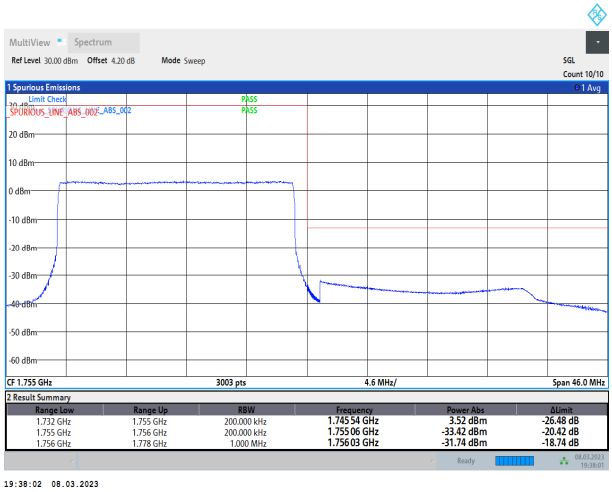
Band4-20MHz-QPSK-20300-1RB#99



Band4-20MHz-QPSK-20300-100RB#0



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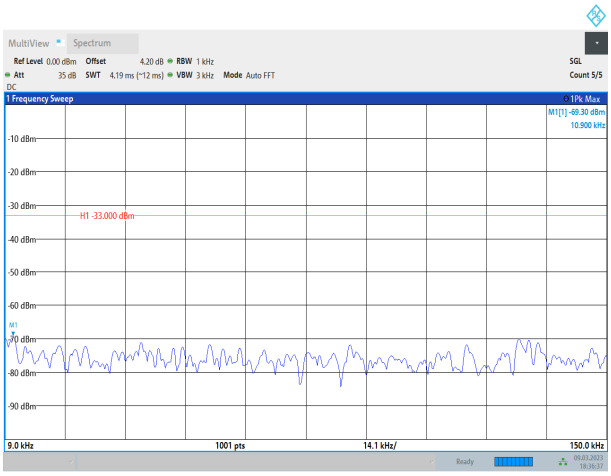
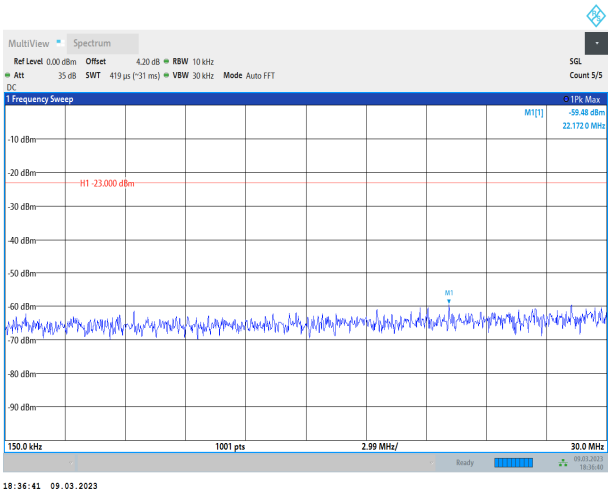
Conducted Spurious Emission

Test Graphs

Band4-20MHz-QPSK-20050-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20050-1RB#0-Range2:0.15~30MHz



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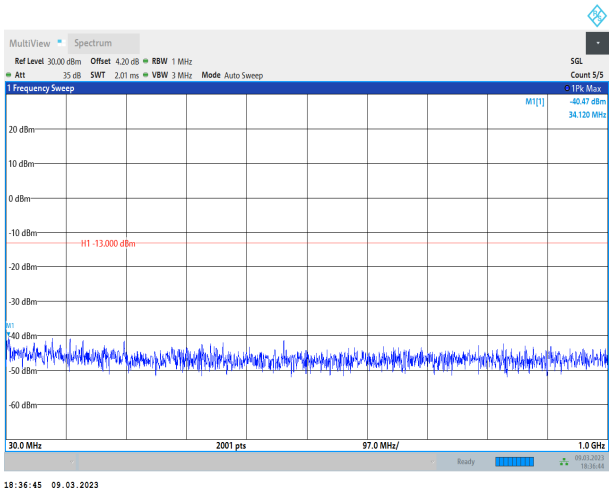
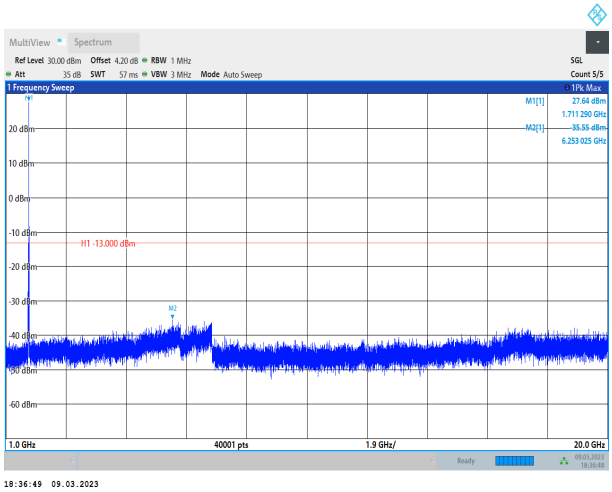
Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~20000MHz



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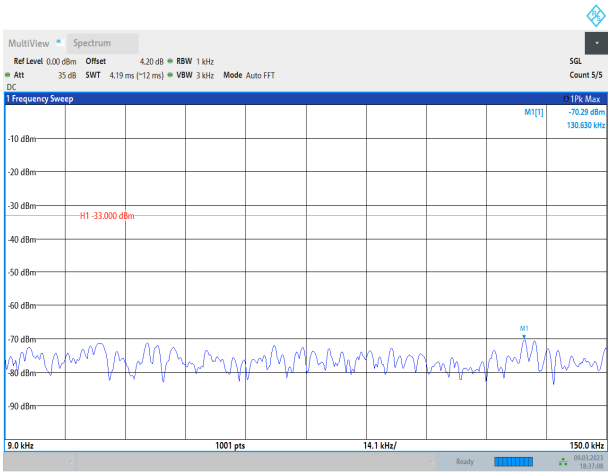
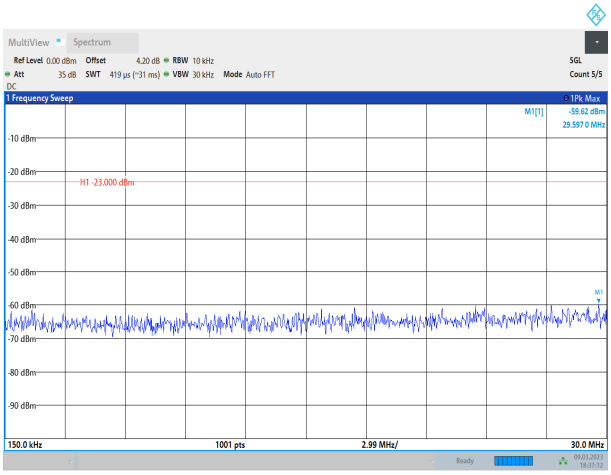
Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



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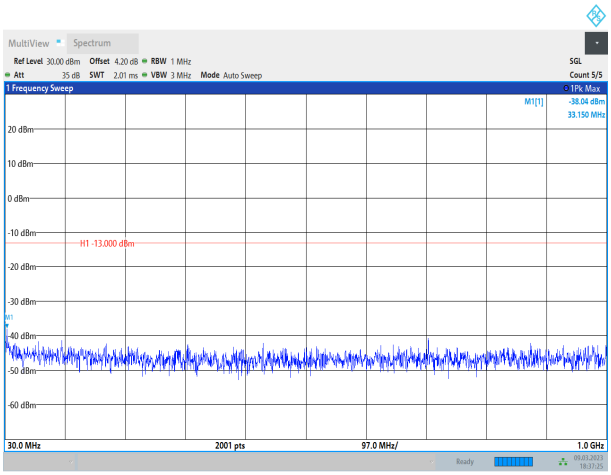
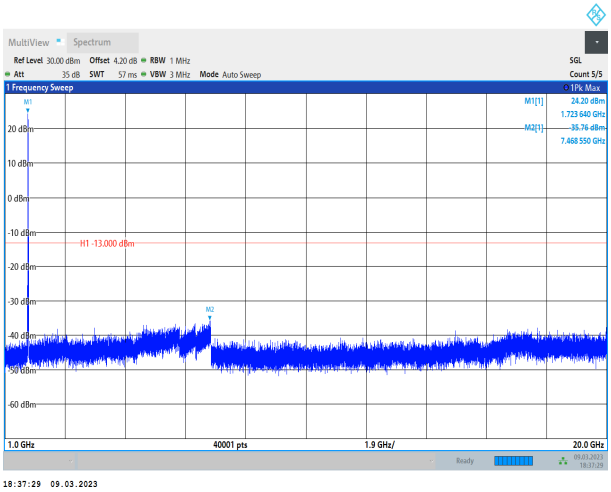
Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



Band4-20MHz-QPSK-20175-1RB#0-Range4:1000~20000MHz



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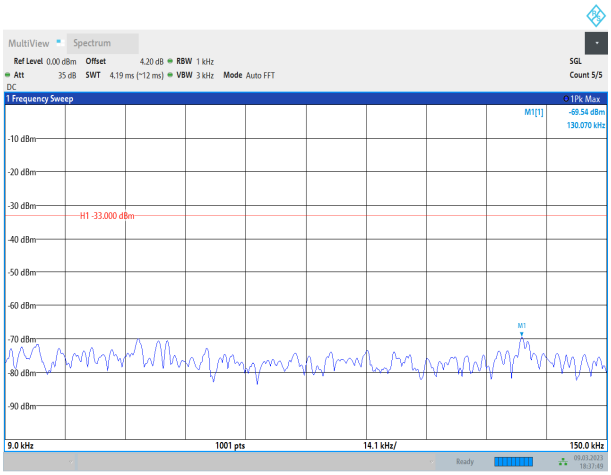
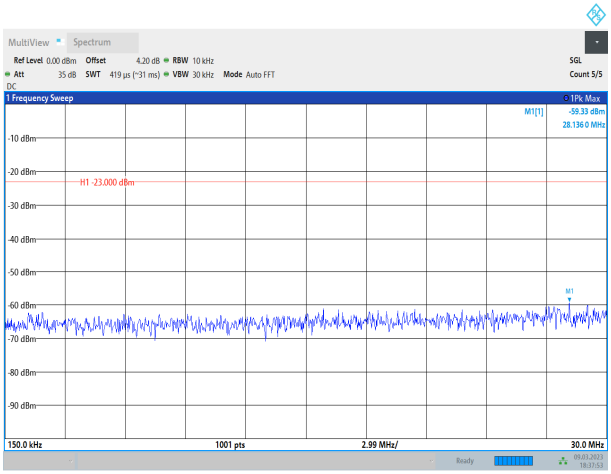
Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz



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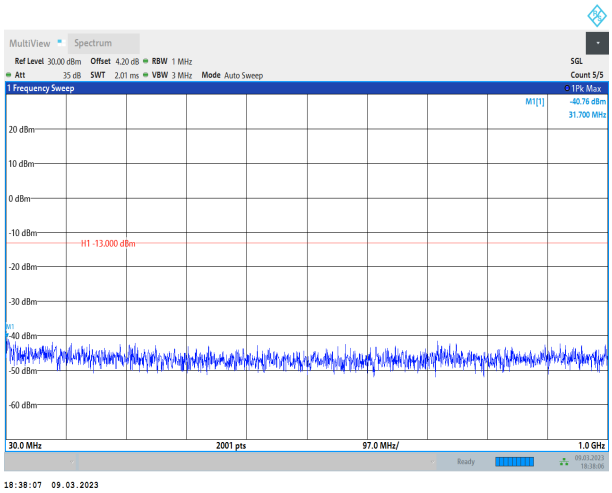
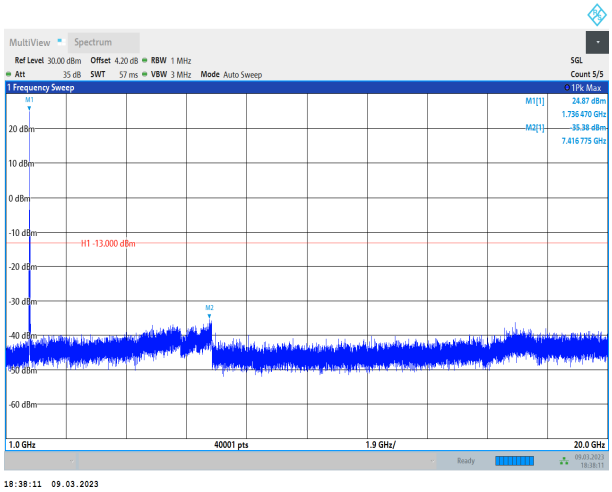
Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



Band4-20MHz-QPSK-20300-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 4_QPSK_15MHz_ 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	3422.18	65.46	-45.88	29.43	-46.25	-13.00	33.25	191	326	Horizontal
2	5133.27	41.02	-44.24	32.60	-65.88	-13.00	52.88	231	360	Horizontal
3	6844.36	39.36	-42.50	35.89	-62.51	-13.00	49.51	154	342	Horizontal
4	8555.45	36.49	-39.68	38.11	-60.34	-13.00	47.34	159	352	Horizontal
5	10266.54	34.10	-36.74	38.79	-59.10	-13.00	46.10	228	360	Horizontal
6	11977.63	31.87	-35.32	38.62	-60.08	-13.00	47.08	183	114	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	3422.18	58.21	-45.88	29.43	-53.50	-13.00	40.50	295	279	Vertical
2	5133.27	42.33	-44.24	32.60	-64.57	-13.00	51.57	264	352	Vertical
3	6844.36	40.37	-42.50	35.89	-61.50	-13.00	48.50	179	342	Vertical
4	8555.45	36.38	-39.68	38.11	-60.45	-13.00	47.45	168	181	Vertical
5	10266.54	32.84	-36.74	38.79	-60.36	-13.00	47.36	244	360	Vertical
6	11977.63	31.78	-35.32	38.62	-60.17	-13.00	47.17	159	32	Vertical

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Test Band = LTE Band 4_QPSK_15MHz_ 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	3447	63.73	-45.82	29.42	-47.93	-13.00	34.93	176	265	Horizontal
2	5170.77	41.28	-44.19	32.60	-65.57	-13.00	52.57	214	149	Horizontal
3	6894.36	39.67	-42.44	35.99	-62.04	-13.00	49.04	239	360	Horizontal
4	8617.95	35.90	-39.74	38.18	-60.92	-13.00	47.92	158	82	Horizontal
5	10341.54	34.68	-36.68	38.88	-58.38	-13.00	45.38	192	149	Horizontal
6	12065.13	32.93	-35.25	38.67	-58.92	-13.00	45.92	223	360	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	3447	56.21	-45.82	29.42	-55.45	-13.00	42.45	286	265	Vertical
2	5170.77	41.53	-44.19	32.60	-65.32	-13.00	52.32	194	215	Vertical
3	6894.36	39.42	-42.44	35.99	-62.29	-13.00	49.29	281	360	Vertical
4	8617.95	36.82	-39.74	38.18	-60.00	-13.00	47.00	264	353	Vertical
5	10341.54	34.48	-36.68	38.88	-58.58	-13.00	45.58	175	360	Vertical
6	12065.13	32.40	-35.25	38.67	-59.45	-13.00	46.45	229	48	Vertical

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Test Band = LTE Band 4_QPSK_15MHz_ 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	3472.18	63.80	-45.76	29.41	-47.81	-13.00	34.81	214	327	Horizontal
2	5208.27	41.00	-44.14	32.60	-65.80	-13.00	52.80	285	47	Horizontal
3	6944.36	39.36	-42.50	36.09	-62.31	-13.00	49.31	194	163	Horizontal
4	8680.45	36.20	-39.46	38.25	-60.27	-13.00	47.27	268	32	Horizontal
5	10416.54	31.05	-36.46	38.96	-61.71	-13.00	48.71	251	81	Horizontal
6	12152.63	31.25	-35.22	38.75	-60.48	-13.00	47.48	153	32	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	3472.18	56.04	-45.76	29.41	-55.57	-13.00	42.57	136	280	Vertical
2	5208.27	41.29	-44.14	32.60	-65.51	-13.00	52.51	213	331	Vertical
3	6944.36	39.55	-42.50	36.09	-62.12	-13.00	49.12	294	264	Vertical
4	8680.45	37.12	-39.46	38.25	-59.35	-13.00	46.35	185	360	Vertical
5	10416.54	31.21	-36.46	38.96	-61.55	-13.00	48.55	221	31	Vertical
6	12152.63	31.39	-35.22	38.75	-60.34	-13.00	47.34	162	360	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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Member of the SGS Group (SGS SA)

Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-4.70	-0.002713	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-3.80	-0.002193	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-4.60	-0.002655	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-4.40	-0.002540	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-2.40	-0.001385	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-5.20	-0.003001	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-5.40	-0.003117	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.20	-0.001270	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.50	-0.000289	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-3.20	-0.001847	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-1.40	-0.000808	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.30	-0.000750	PASS

---End of Attachment---

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