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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	23.86	26.86	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.83	26.83	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.58	26.58	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.77	25.77	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.44	26.44	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.42	26.42	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.43	26.43	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.51	25.51	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.46	26.46	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.32	26.32	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.22	26.22	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.41	25.41	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.76	25.76	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.6	25.6	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.62	25.62	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.81	24.81	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.37	25.37	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.7	25.7	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.5	25.5	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.46	24.46	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.8	25.8	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.56	25.56	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.98	24.98	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.16	24.16	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.02	27.02	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.61	26.61	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.49	26.49	30	PASS



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Band4	3MHz	QPSK	19965	15RB#0	22.71	25.71	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.62	26.62	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.73	26.73	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.44	26.44	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.6	25.6	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.89	25.89	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.27	26.27	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.41	26.41	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.35	25.35	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.09	26.09	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.88	25.88	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.41	25.41	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.59	24.59	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.64	25.64	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.26	25.26	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.45	25.45	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.57	24.57	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.1	25.1	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.47	25.47	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.58	25.58	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.35	24.35	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.62	26.62	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.91	26.91	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.45	26.45	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.66	25.66	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.35	26.35	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.59	26.59	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.3	26.3	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.58	25.58	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.28	26.28	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.44	26.44	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.44	26.44	30	PASS



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Band4	5MHz	QPSK	20375	25RB#0	22.36	25.36	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.64	25.64	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.98	25.98	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.42	25.42	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.44	24.44	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.5	25.5	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.1	26.1	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.38	25.38	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.56	24.56	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.2	25.2	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.57	25.57	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.27	25.27	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.21	24.21	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.77	26.77	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.75	26.75	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.65	26.65	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.7	25.7	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.56	26.56	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.53	26.53	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.44	26.44	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.54	25.54	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.37	26.37	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.5	26.5	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.6	26.6	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.38	25.38	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.78	25.78	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.85	25.85	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.9	25.9	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.48	24.48	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.69	25.69	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.44	25.44	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.26	25.26	30	PASS



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Band4	10MHz	16QAM	20175	50RB#0	21.57	24.57	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.24	25.24	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.74	25.74	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.4	25.4	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.22	24.22	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.82	26.82	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.72	26.72	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.58	26.58	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.72	25.72	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.38	26.38	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.36	26.36	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.38	26.38	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.57	25.57	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.52	26.52	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.29	26.29	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.43	26.43	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.46	25.46	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.69	25.69	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.58	25.58	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.57	25.57	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.68	24.68	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.45	25.45	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.46	25.46	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.32	25.32	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.52	24.52	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.74	25.74	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.32	25.32	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.33	25.33	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.5	24.5	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.9	26.9	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.64	26.64	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.5	26.5	30	PASS



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Band4	20MHz	QPSK	20175	1RB#0	23.39	26.39	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.81	26.81	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.47	26.47	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.56	25.56	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.52	26.52	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.47	26.47	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.49	26.49	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.51	25.51	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.82	25.82	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.48	25.48	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.48	25.48	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.52	24.52	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.47	25.47	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.41	25.41	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.7	25.7	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.5	24.5	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.45	25.45	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.56	25.56	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.21	25.21	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.37	24.37	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	4.90	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.00	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.28	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.82	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.88	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.10	13	PASS



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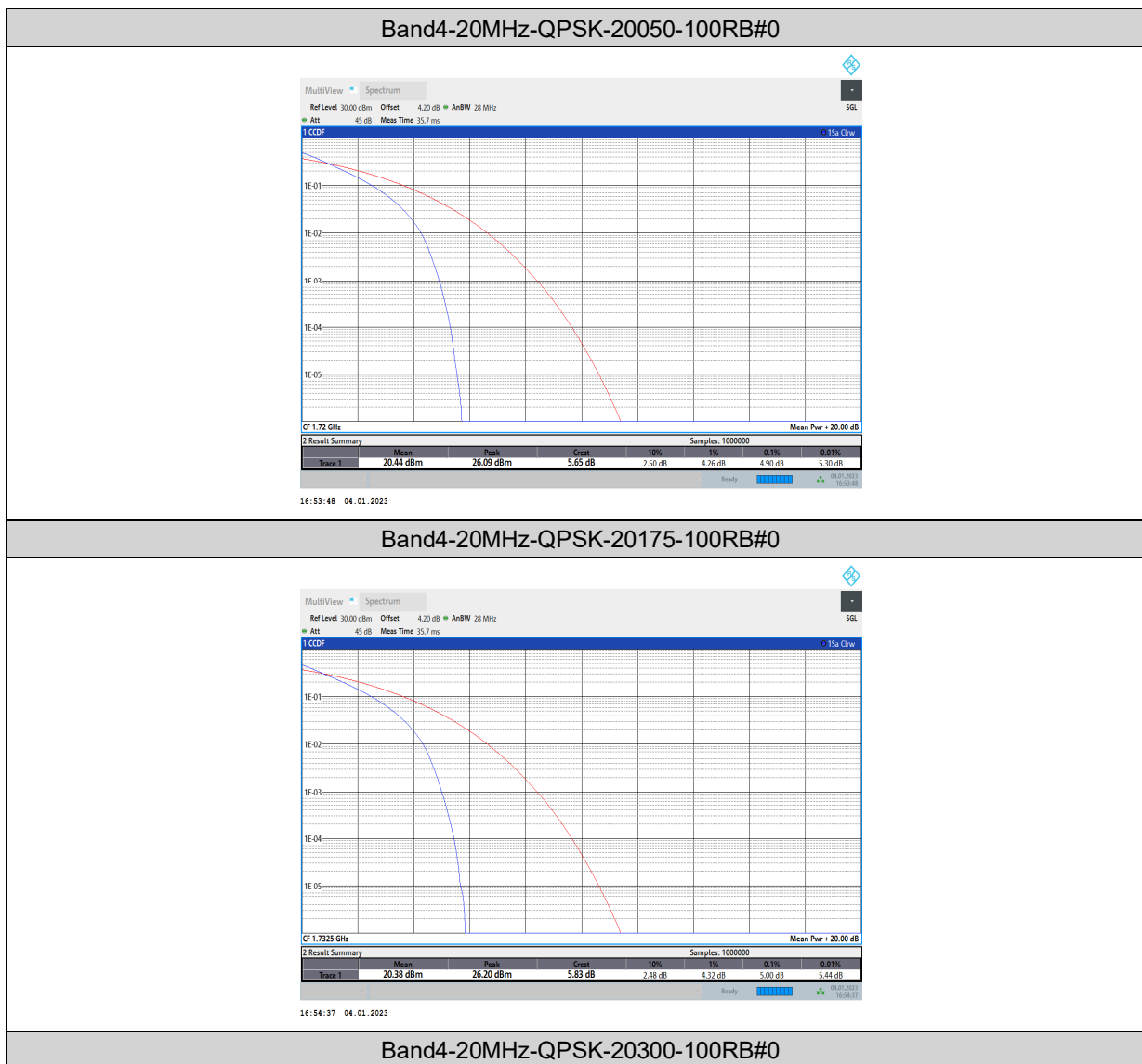
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Test Graphs



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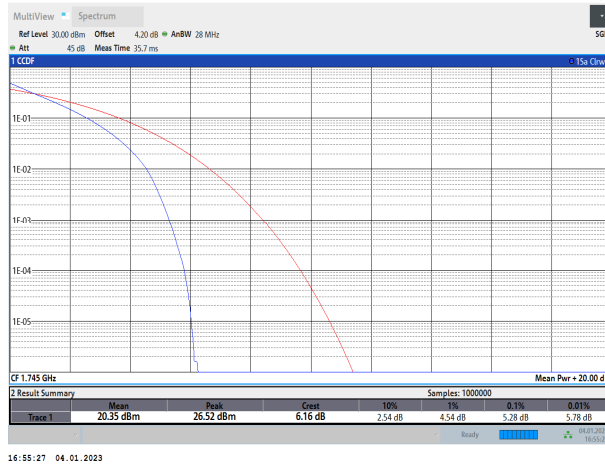
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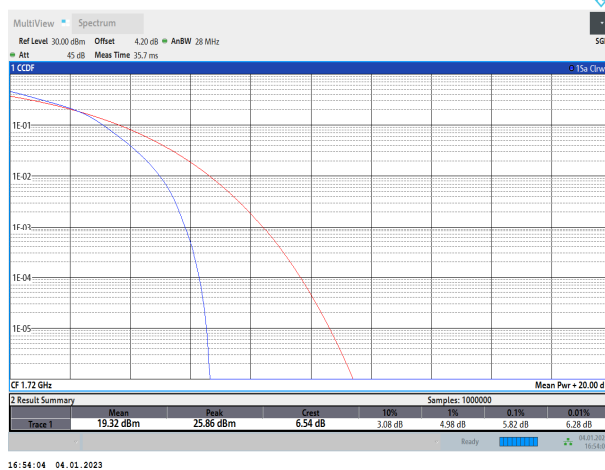
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Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



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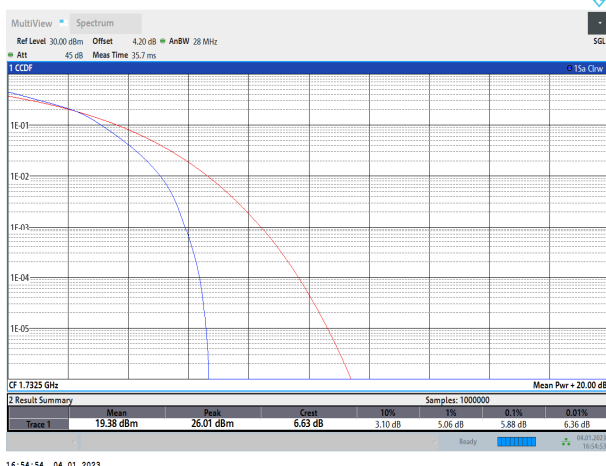
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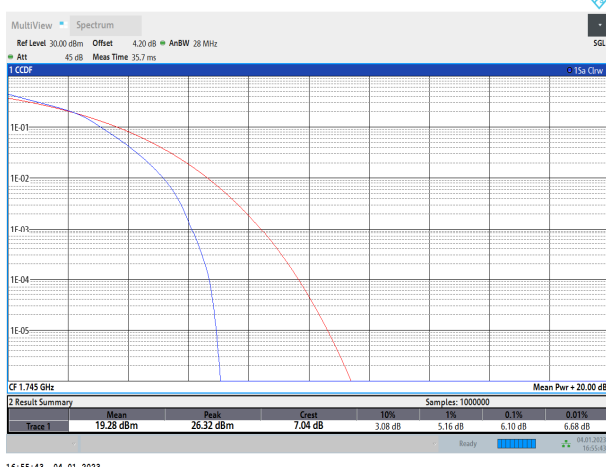
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Band4-20MHz-16QAM-20300-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS



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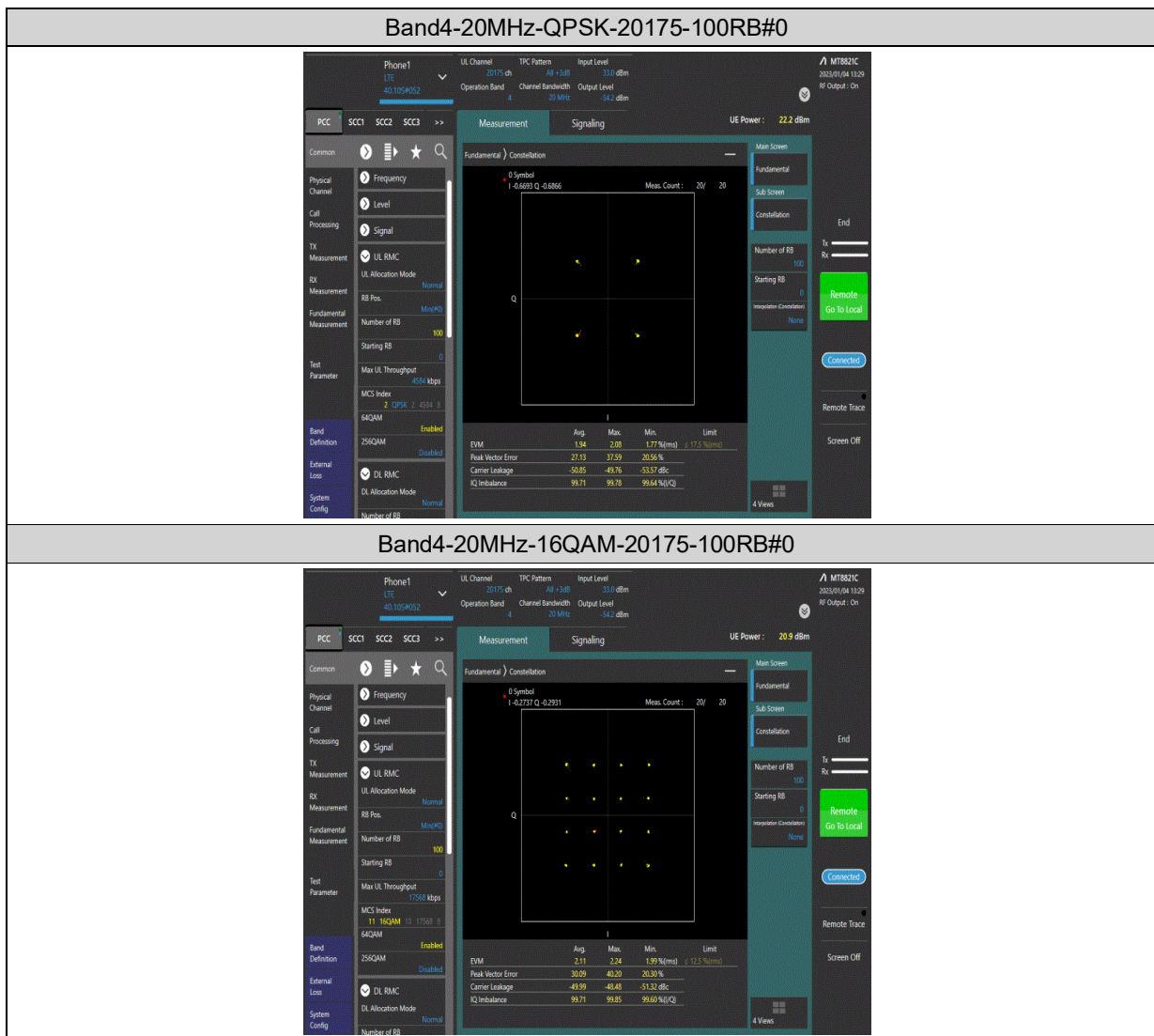
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Test Graphs



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	1.087	1.29	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.087	1.29	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.086	1.28	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.098	1.31	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.102	1.32	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.097	1.31	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.693	2.97	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.96	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.695	2.97	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.686	2.98	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.689	2.98	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.686	2.98	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.464	4.89	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.467	4.88	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.468	4.89	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.464	4.94	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.465	4.96	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.465	4.97	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.909	9.66	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.913	9.70	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.922	9.70	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.899	9.62	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.907	9.64	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.903	9.68	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.408	14.76	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.421	14.67	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.425	14.70	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.404	14.73	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.4	14.70	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.416	14.70	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.875	19.24	PASS



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Band4	20MHz	QPSK	20175	100RB#0	17.877	19.28	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.898	19.48	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.842	19.32	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.843	19.36	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.854	19.40	PASS



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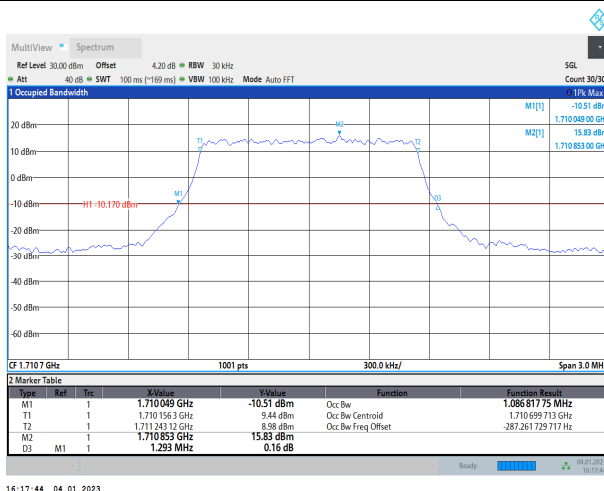
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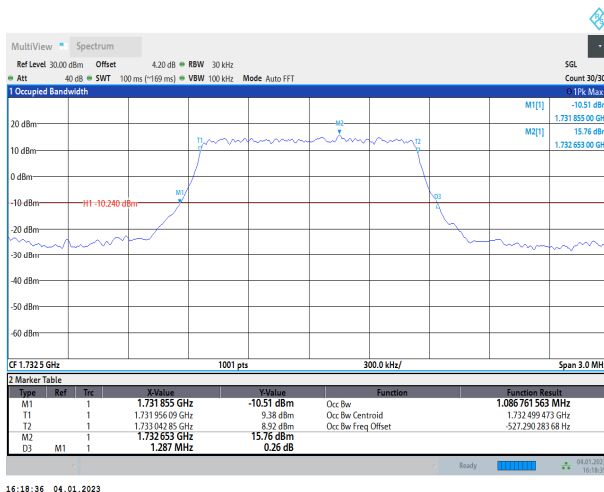
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Test Graphs

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



Band4-1.4MHz-QPSK-20175-6RB#0

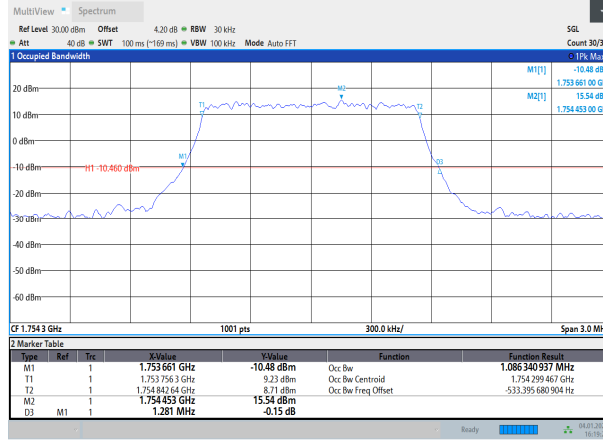


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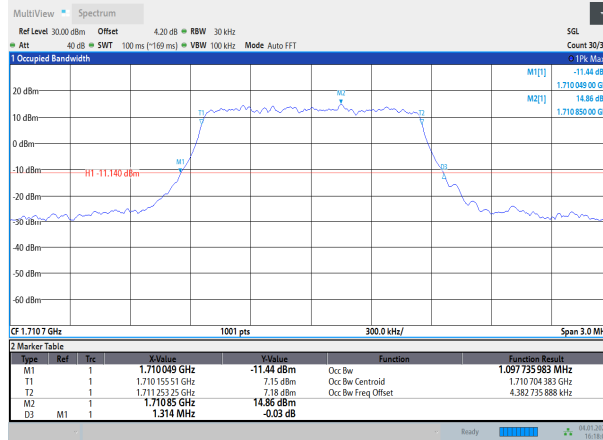
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Band4-1.4MHz-QPSK-20393-6RB#0



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Band4-1.4MHz-16QAM-19957-6RB#0



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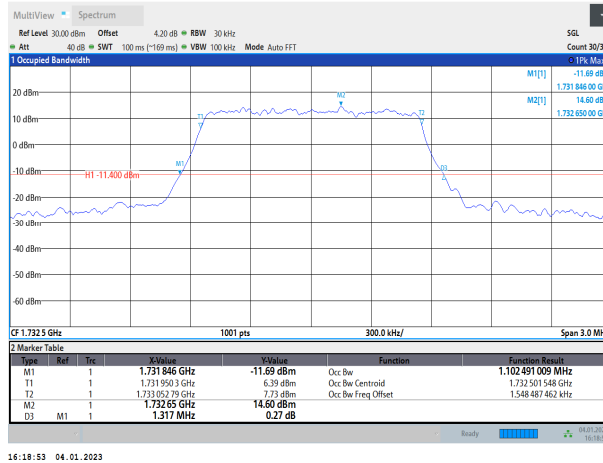
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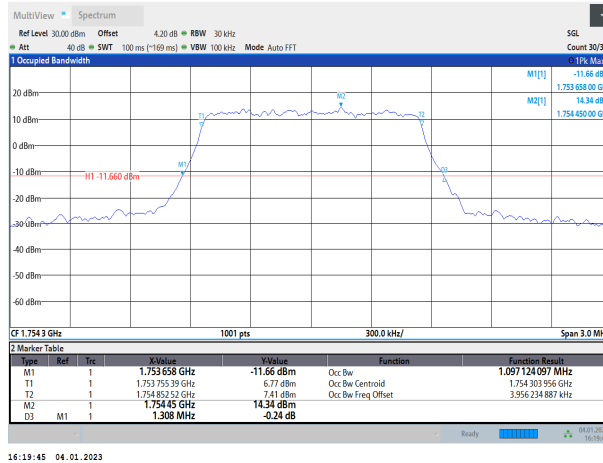
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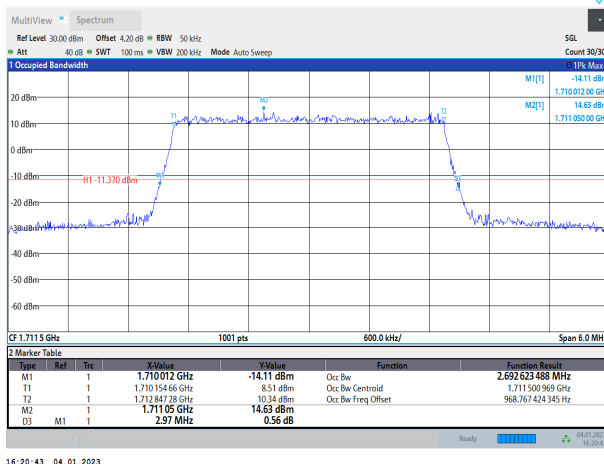


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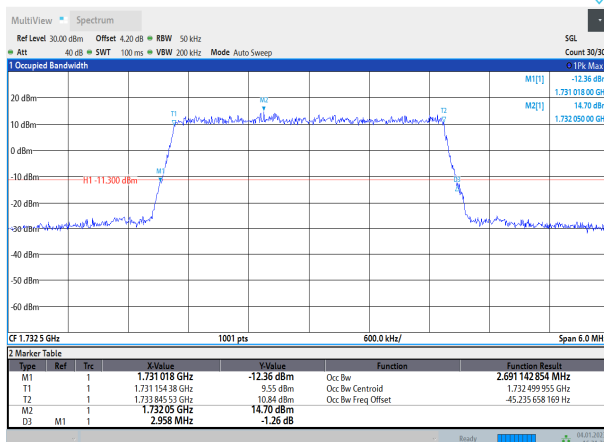
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Band4-3MHz-QPSK-19965-15RB#0



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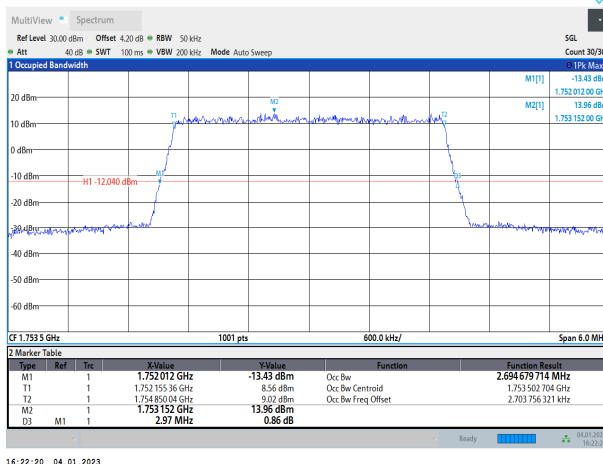
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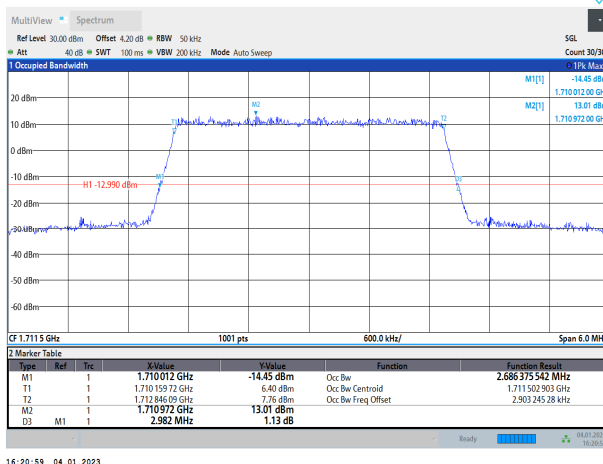
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Band4-3MHz-QPSK-20385-15RB#0



Band4-3MHz-16QAM-19965-15RB#0



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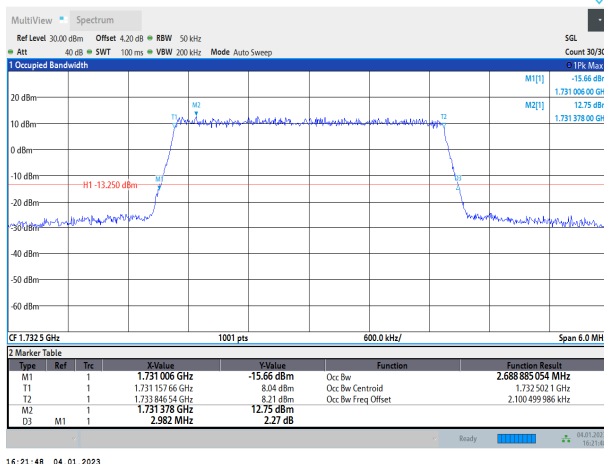
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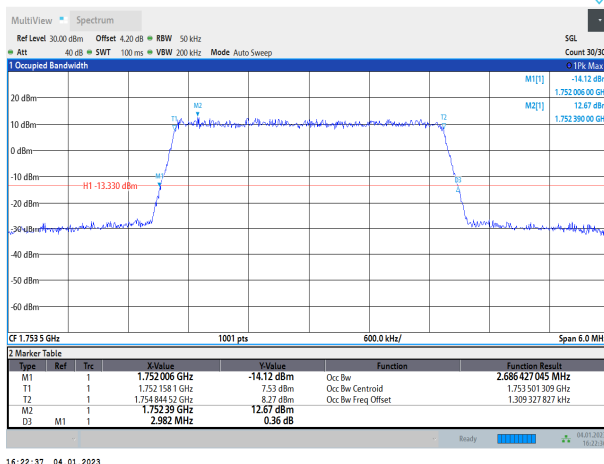
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Band4-3MHz-16QAM-20385-15RB#0



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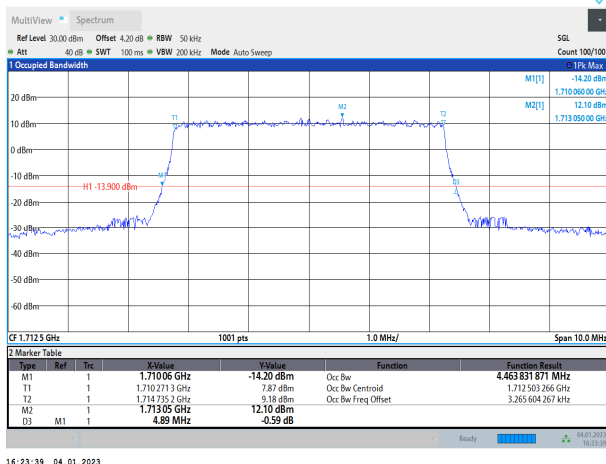
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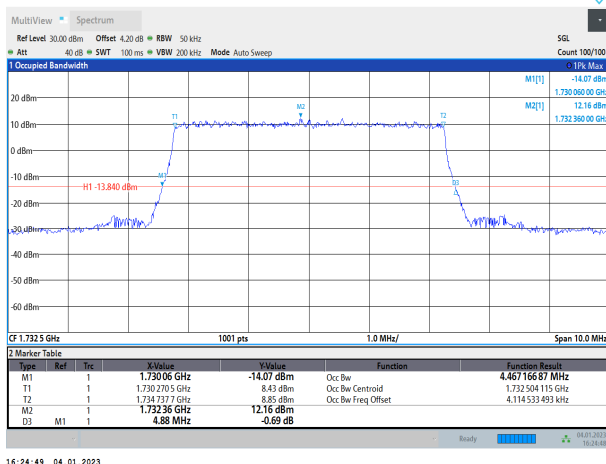
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Band4-5MHz-QPSK-19975-25RB#0



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



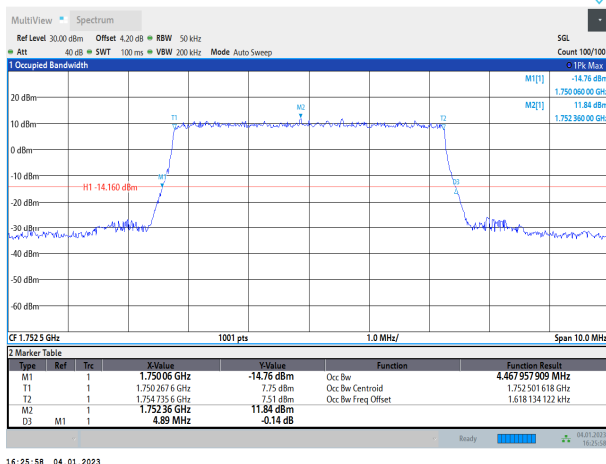
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Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0



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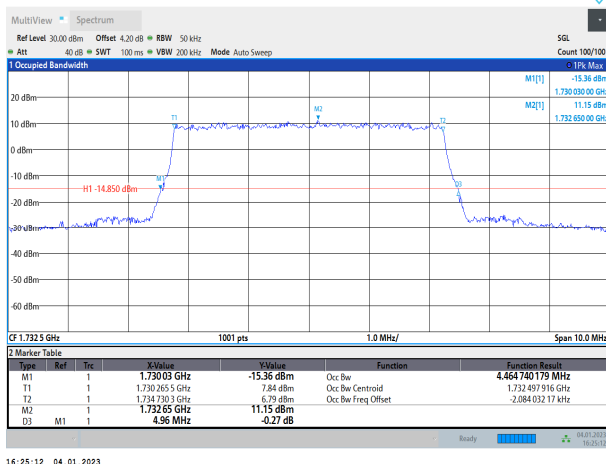
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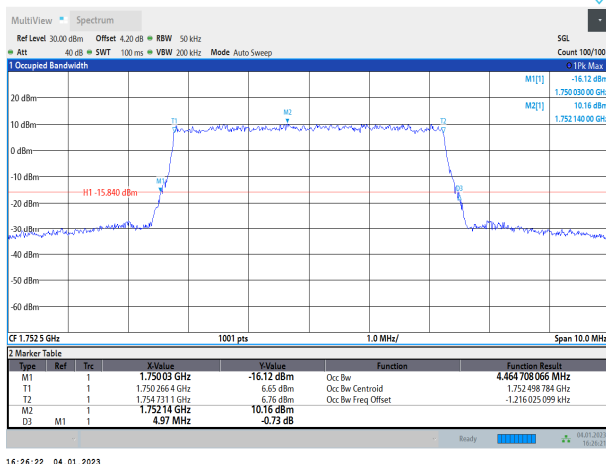
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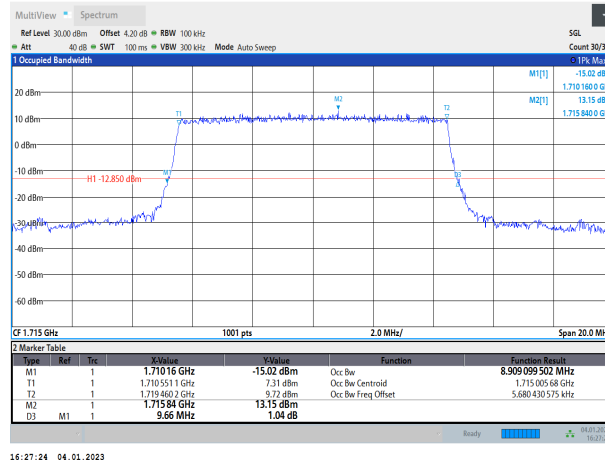


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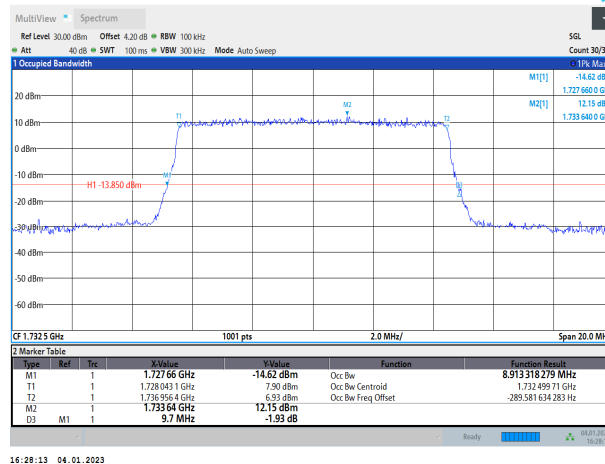
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Band4-10MHz-QPSK-20175-50RB#0



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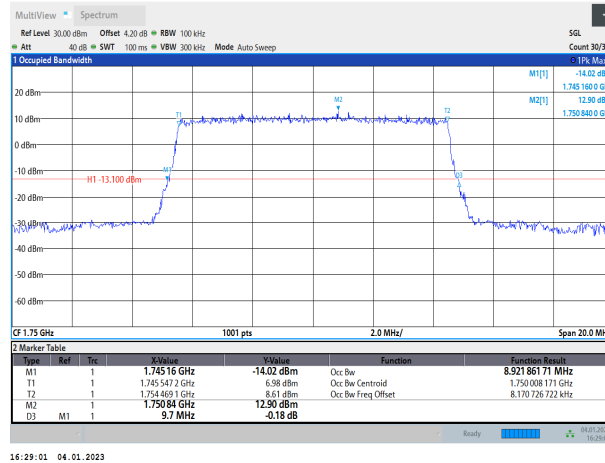
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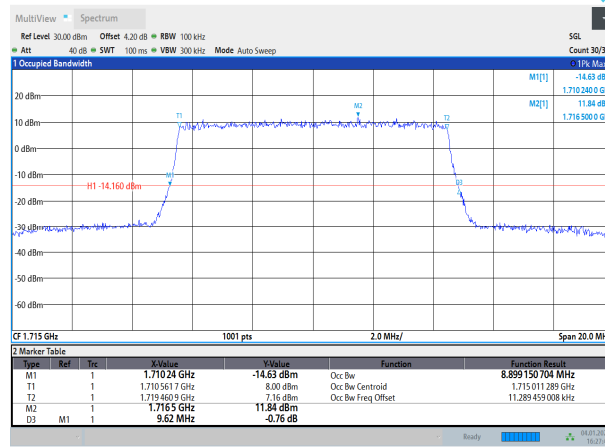
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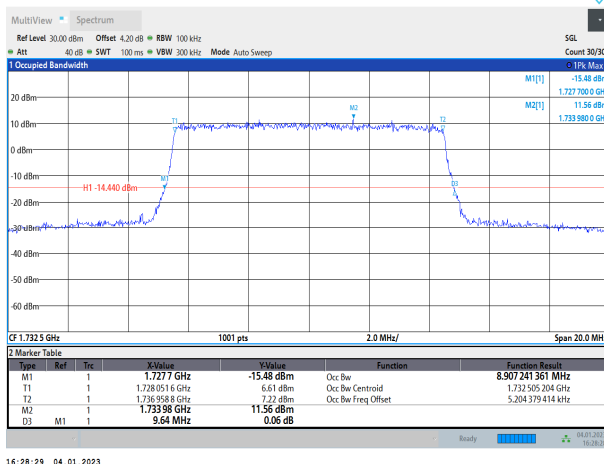
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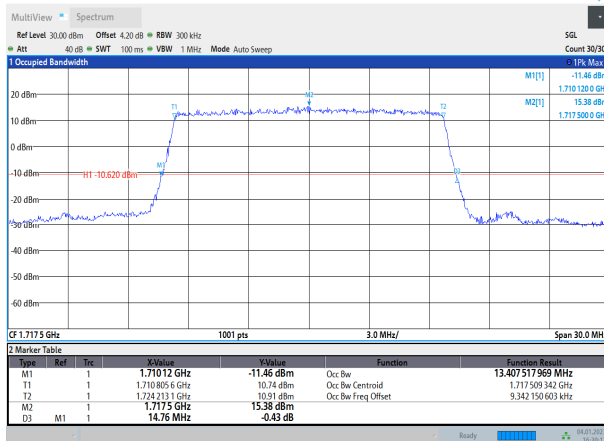


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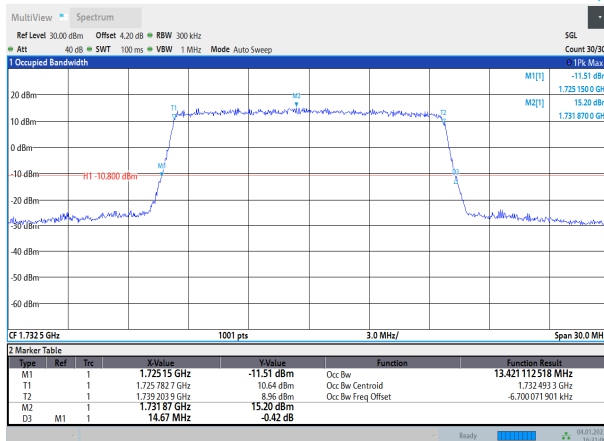
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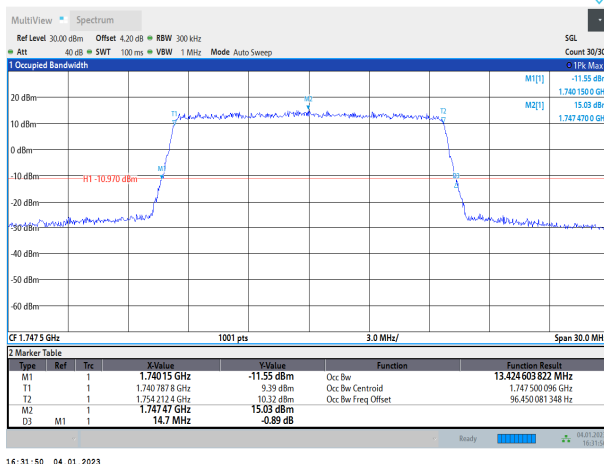
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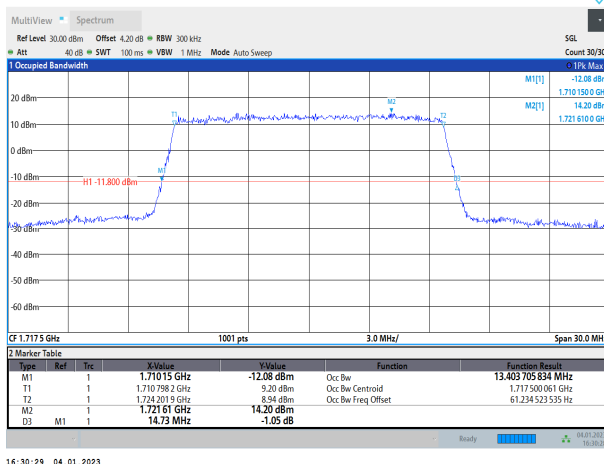
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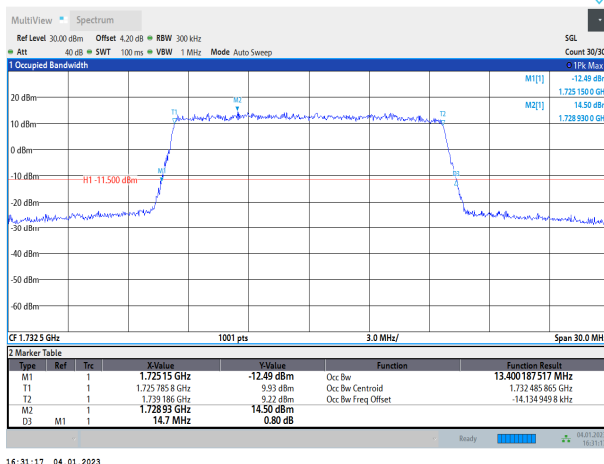


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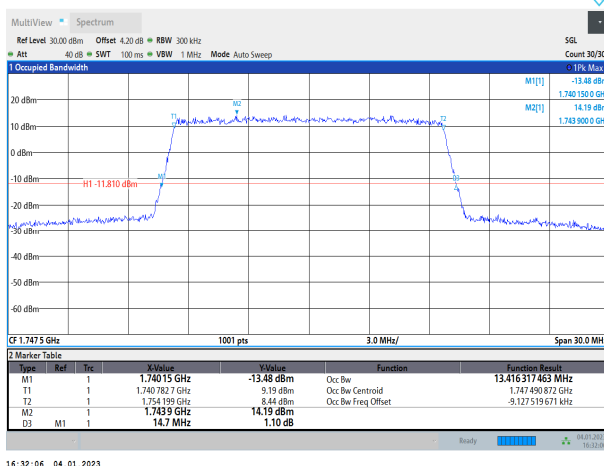
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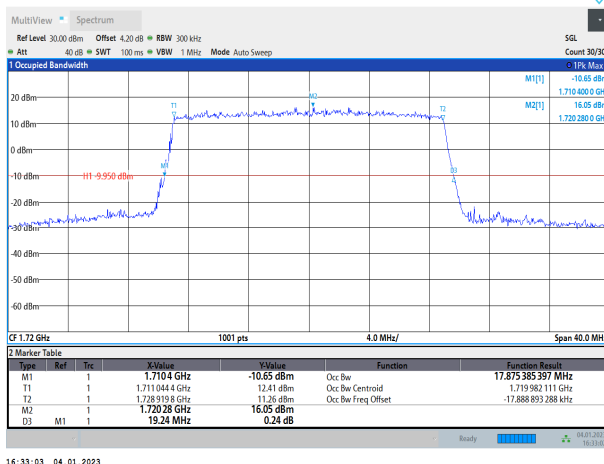


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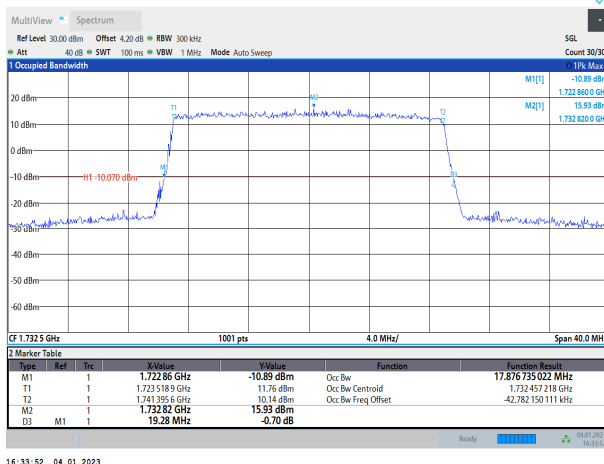
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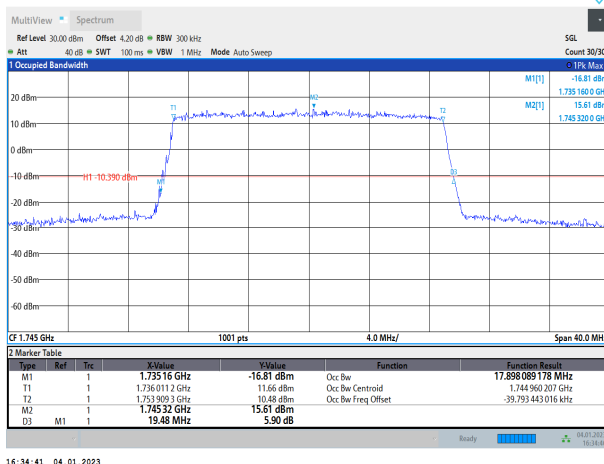
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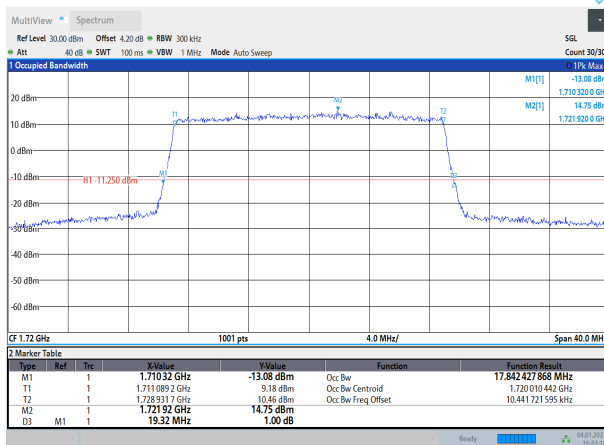
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Band4-20MHz-QPSK-20300-100RB#0



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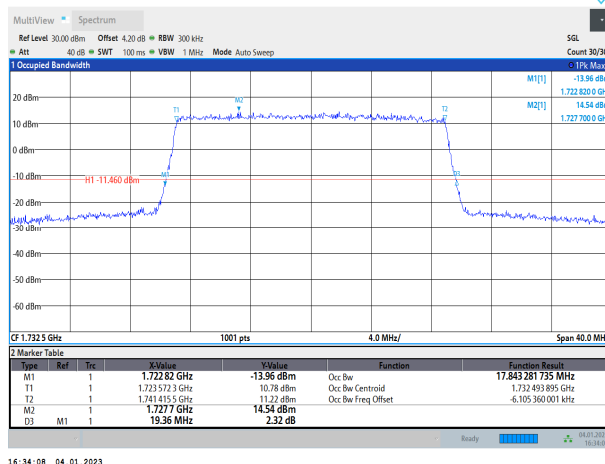
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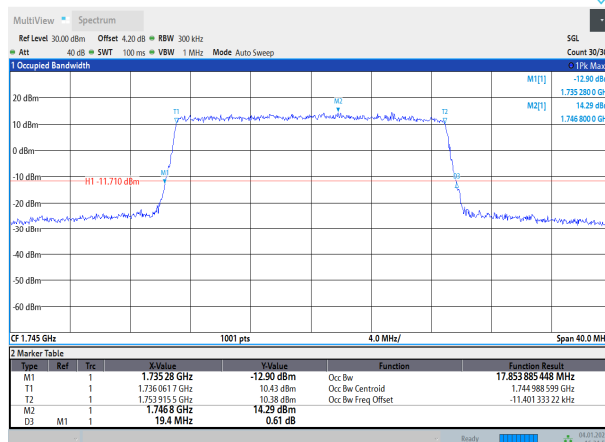
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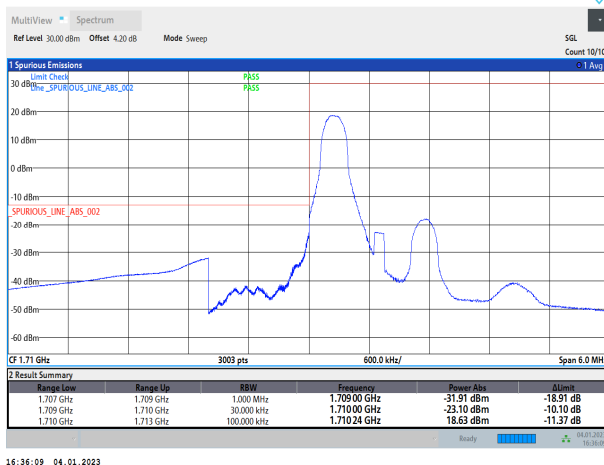
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Band Edge

Test Graphs

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



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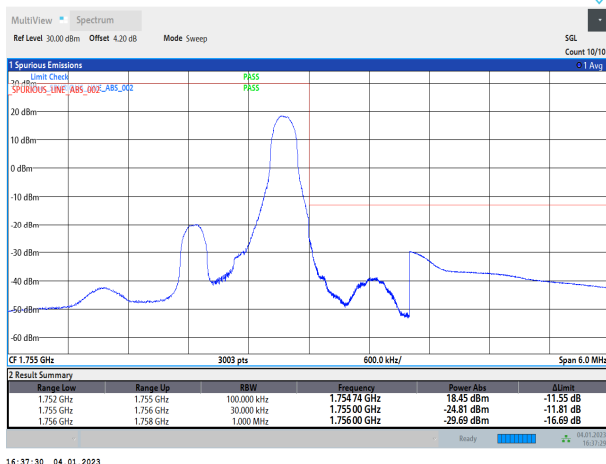
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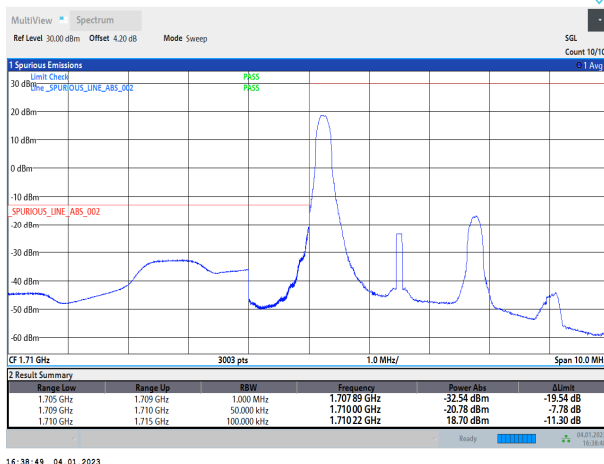
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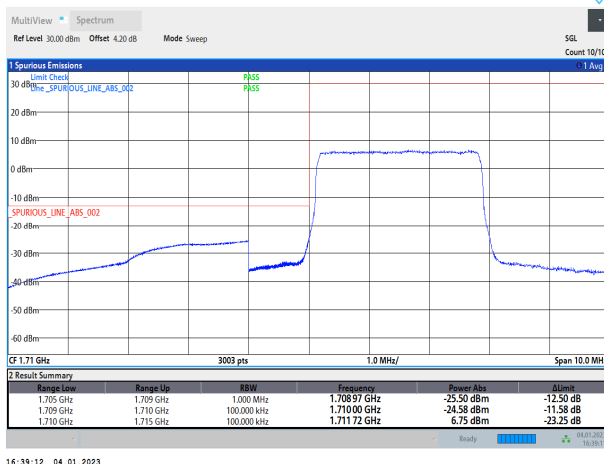
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Band4-3MHz-QPSK-19965-15RB#0

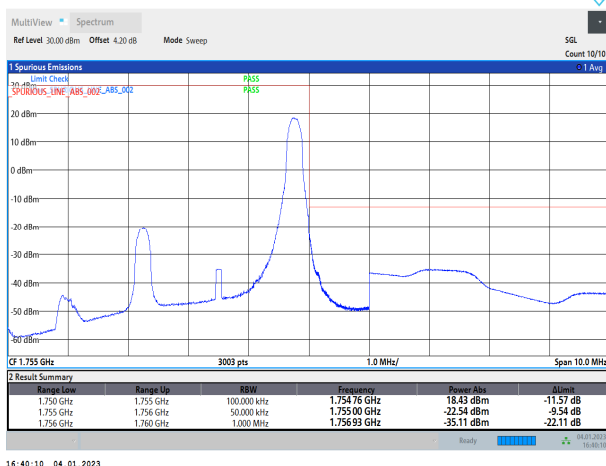


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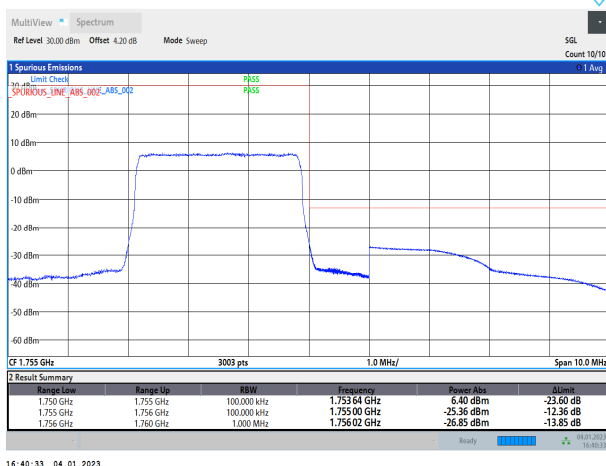
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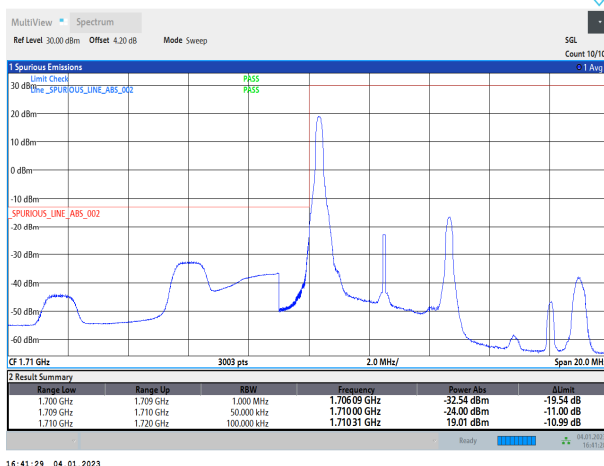
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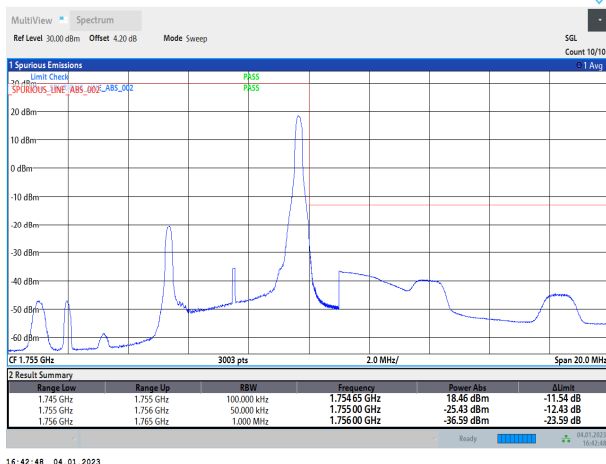
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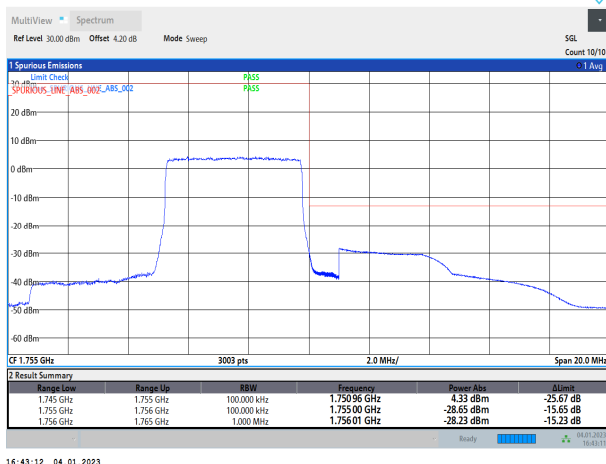
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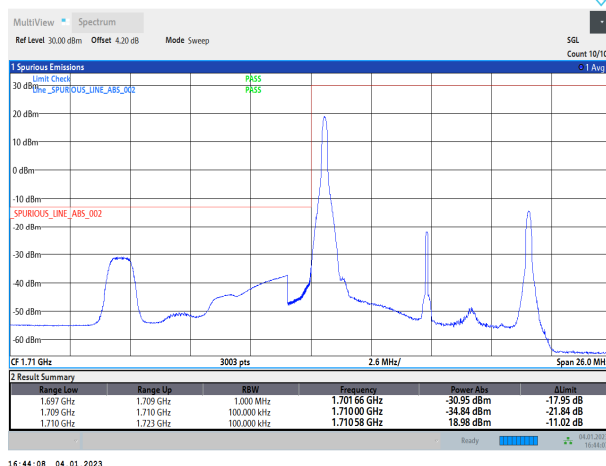
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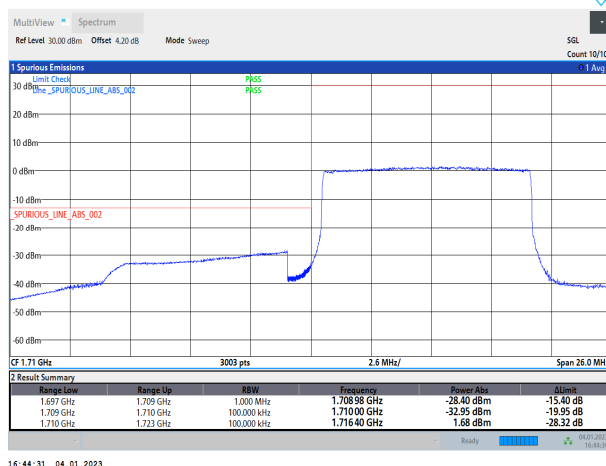
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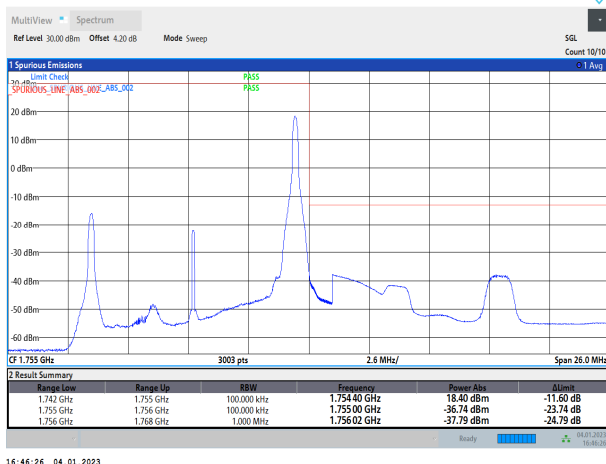
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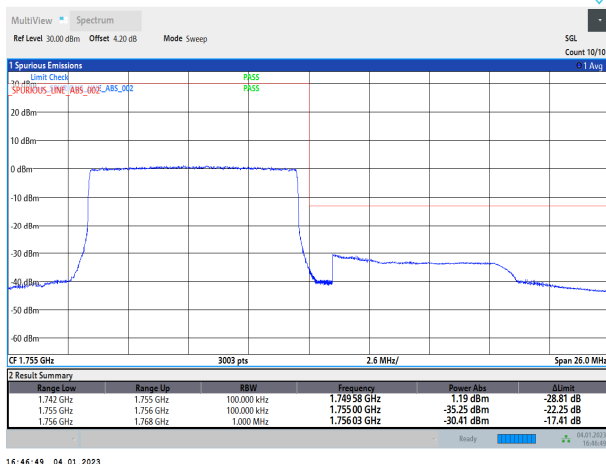
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Band4-10MHz-QPSK-20350-1RB#49



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



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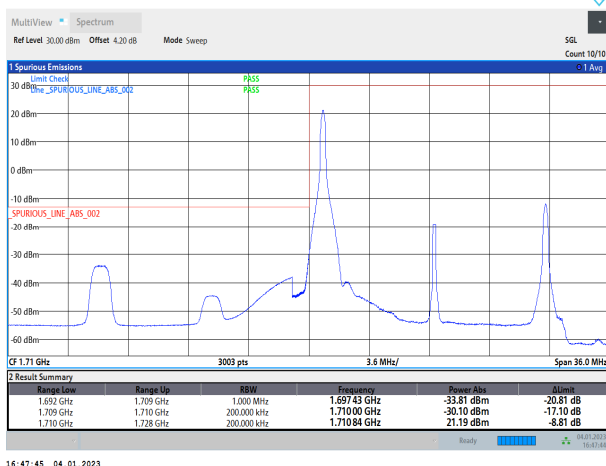
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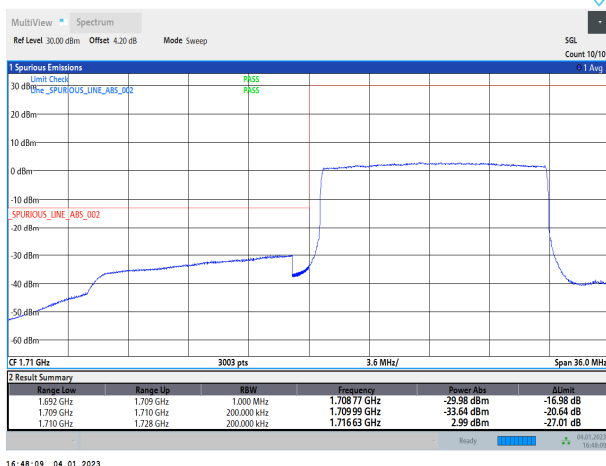
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Band4-15MHz-QPSK-20025-1RB#0



16:47:45 04.01.2023

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



16:48:09 04.01.2023



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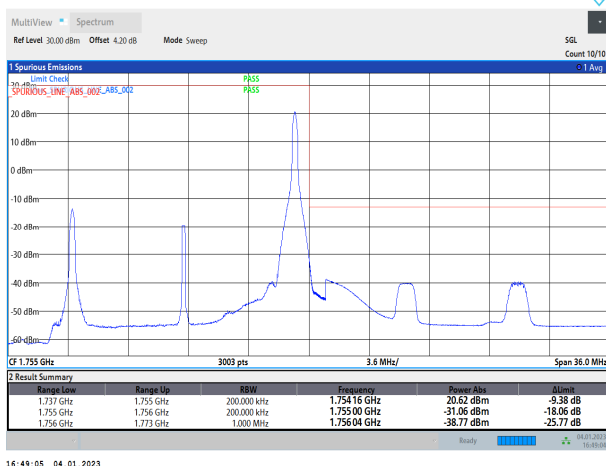
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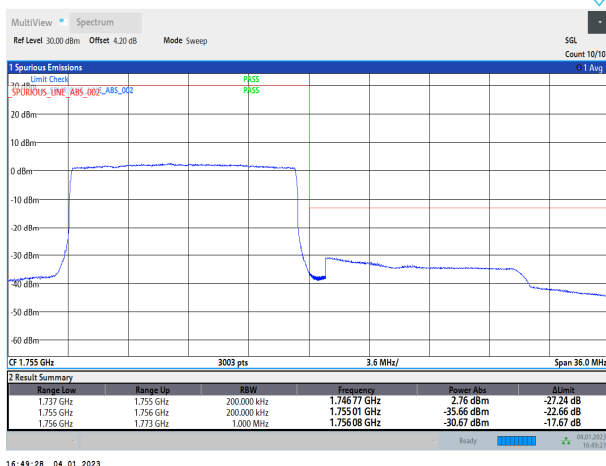
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Band4-15MHz-QPSK-20325-1RB#74



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



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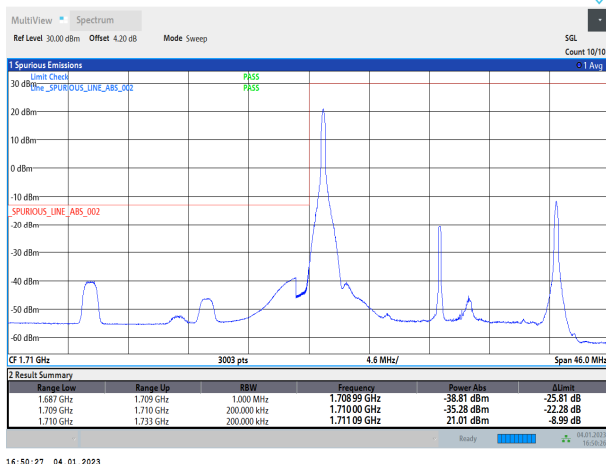
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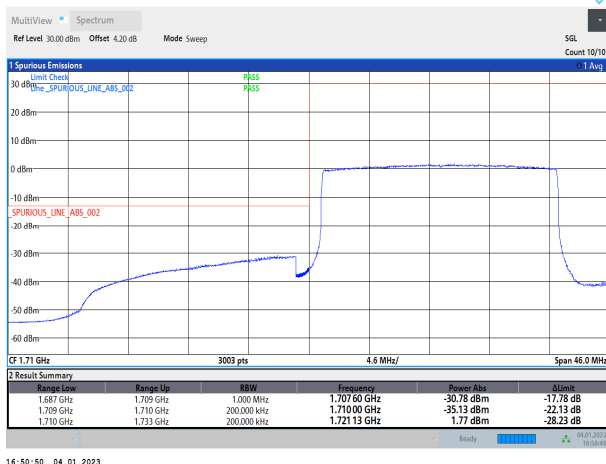
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Band4-20MHz-QPSK-20050-1RB#0



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



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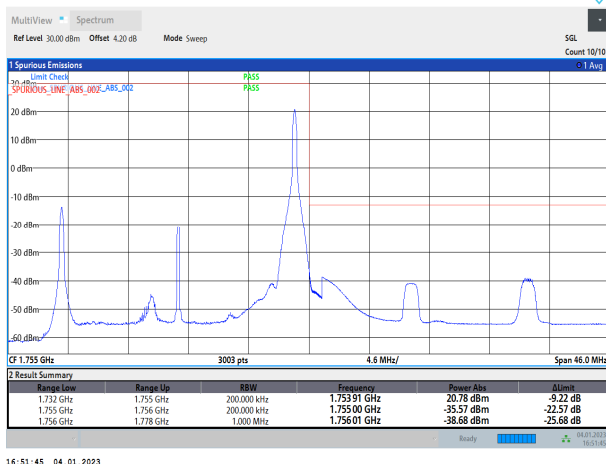
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Band4-20MHz-QPSK-20300-1RB#99



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



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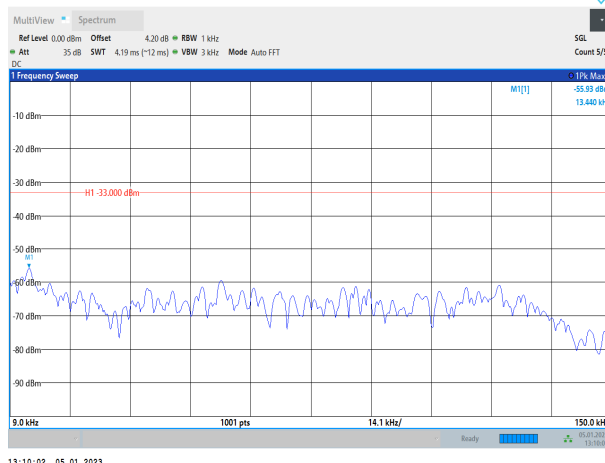
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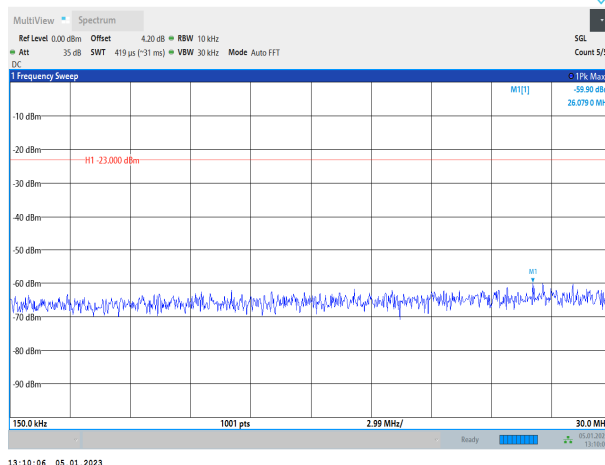
Conducted Spurious Emission

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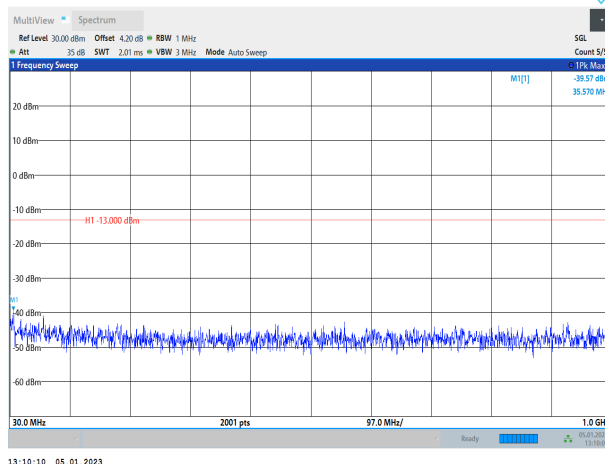
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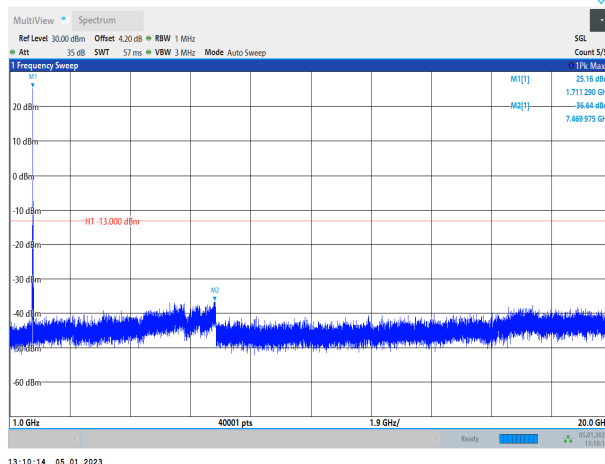
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



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



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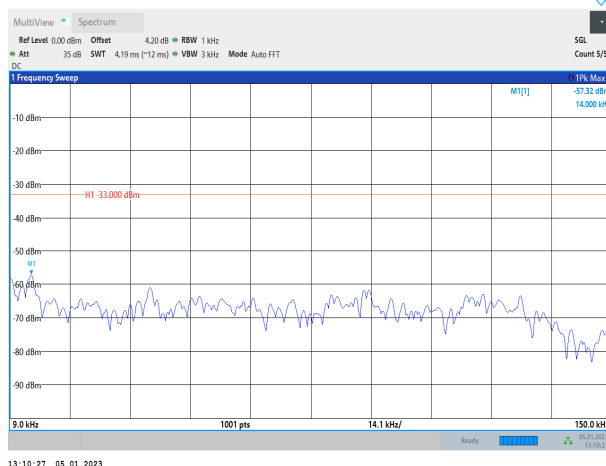
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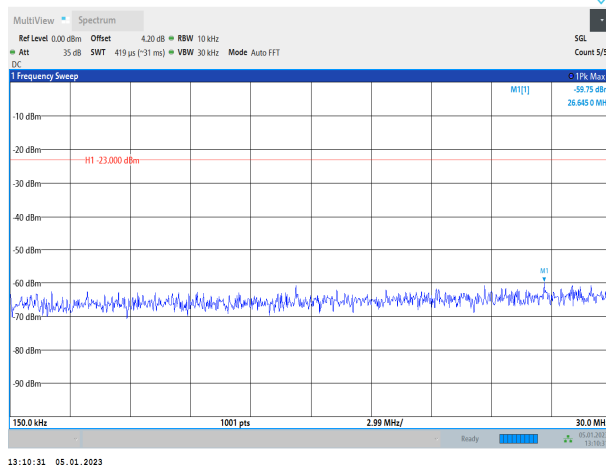
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



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



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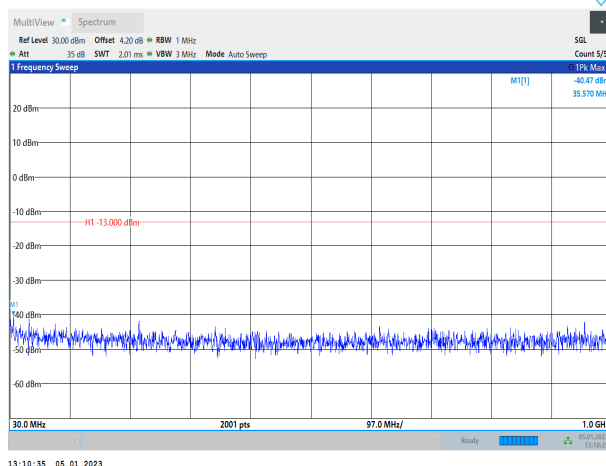
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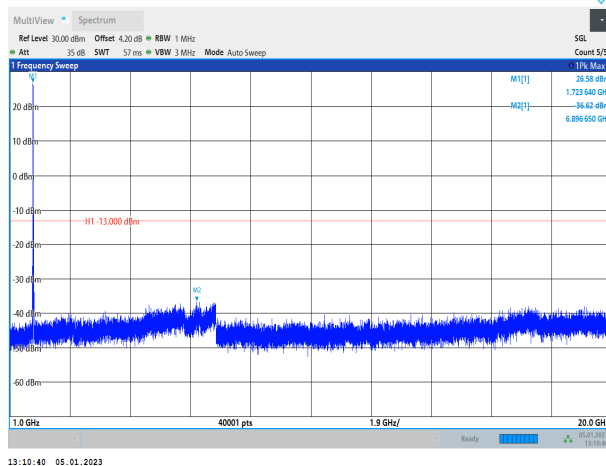
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



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



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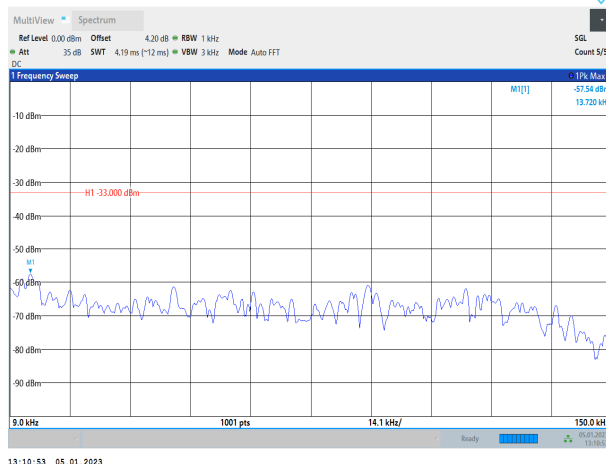
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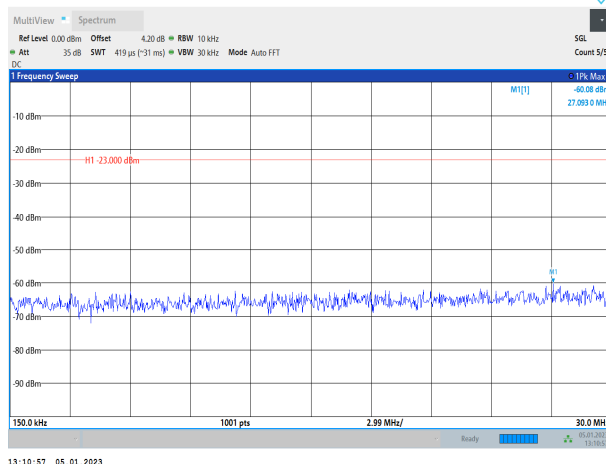
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



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



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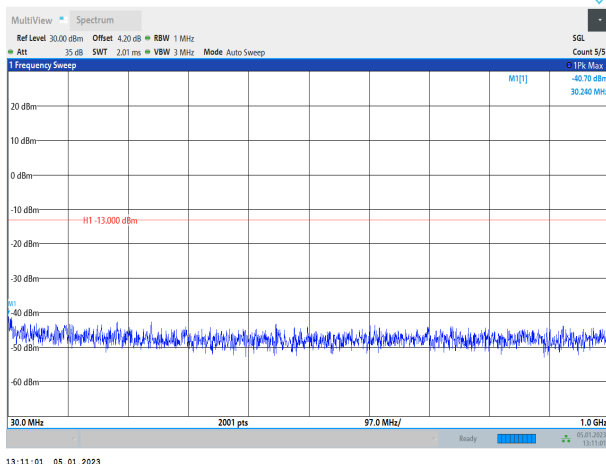
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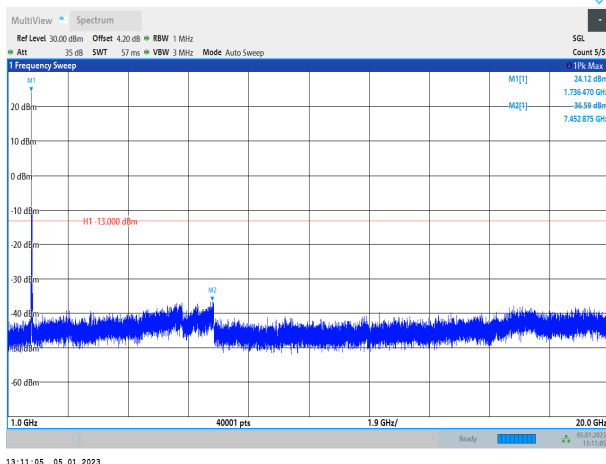
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band4_ TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	42.10	-46.28	29.45	-69.99	-13.00	56.99	215	29	Horizontal
2	5133.2700	40.66	-45.34	32.95	-66.99	-13.00	53.99	148	29	Horizontal
3	6844.3600	40.29	-44.14	35.89	-63.22	-13.00	50.22	136	356	Horizontal
4	8555.4500	38.08	-41.46	37.66	-60.98	-13.00	47.98	291	254	Horizontal
5	10266.5400	34.57	-39.23	38.83	-61.09	-13.00	48.09	184	0	Horizontal
6	11977.6300	33.22	-37.51	38.95	-60.61	-13.00	47.61	175	103	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	3422.1800	42.92	-46.28	29.45	-69.17	-13.00	56.17	288	135	Vertical
2	5133.2700	40.16	-45.34	32.95	-67.49	-13.00	54.49	145	150	Vertical
3	6844.3600	39.79	-44.14	35.89	-63.72	-13.00	50.72	168	272	Vertical
4	8555.4500	37.94	-41.46	37.66	-61.12	-13.00	48.12	192	7	Vertical
5	10266.5400	35.71	-39.23	38.83	-59.95	-13.00	46.95	174	16	Vertical
6	11977.6300	32.87	-37.51	38.95	-60.96	-13.00	47.96	143	0	Vertical



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Test Band = LTE Band4_ TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.1800	42.04	-46.27	29.47	-70.02	-13.00	57.02	227	227	Horizontal
2	5170.7700	40.41	-45.31	32.97	-67.18	-13.00	54.18	184	210	Horizontal
3	6894.3600	40.16	-44.10	35.95	-63.25	-13.00	50.25	186	135	Horizontal
4	8617.9500	37.79	-41.40	37.78	-61.09	-13.00	48.09	256	0	Horizontal
5	10341.5400	35.32	-39.06	38.85	-60.15	-13.00	47.15	213	104	Horizontal
6	12065.1300	33.56	-37.44	39.02	-60.12	-13.00	47.12	241	256	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	3447.1800	42.62	-46.27	29.47	-69.44	-13.00	56.44	145	180	Vertical
2	5170.7700	40.42	-45.31	32.97	-67.17	-13.00	54.17	256	285	Vertical
3	6894.3600	39.71	-44.10	35.95	-63.70	-13.00	50.70	233	104	Vertical
4	8617.9500	37.50	-41.40	37.78	-61.38	-13.00	48.38	261	331	Vertical
5	10341.5400	35.04	-39.06	38.85	-60.43	-13.00	47.43	199	301	Vertical
6	12065.1300	33.16	-37.44	39.02	-60.52	-13.00	47.52	184	1	Vertical



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Test Band = LTE Band4_ TM1

Test Channel = High

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	42.64	-46.27	29.50	-69.39	-13.00	56.39	125	242	Horizontal
2	5208.2700	40.60	-45.26	32.98	-66.94	-13.00	53.94	144	270	Horizontal
3	6944.3600	40.05	-43.85	36.01	-63.05	-13.00	50.05	189	90	Horizontal
4	8680.4500	37.83	-41.62	37.88	-61.17	-13.00	48.17	197	3	Horizontal
5	10416.5400	34.31	-38.97	38.88	-61.05	-13.00	48.05	142	242	Horizontal
6	12152.6300	33.32	-37.42	39.09	-60.27	-13.00	47.27	153	196	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	3472.1800	42.55	-46.27	29.50	-69.48	-13.00	56.48	245	357	Vertical
2	5208.2700	41.08	-45.26	32.98	-66.46	-13.00	53.46	156	270	Vertical
3	6944.3600	39.50	-43.85	36.01	-63.60	-13.00	50.60	233	316	Vertical
4	8680.4500	38.20	-41.62	37.88	-60.80	-13.00	47.80	219	15	Vertical
5	10416.5400	34.01	-38.97	38.88	-61.35	-13.00	48.35	191	7	Vertical
6	12152.6300	33.78	-37.42	39.09	-59.81	-13.00	46.81	174	212	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-0.30	-0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	0.10	0.000058	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	0.30	0.000173	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1.80	0.001039	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	0.30	0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	2.60	0.001501	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	0.00	0.000000	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.40	0.000808	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.20	-0.000115	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	0.60	0.000346	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	1.60	0.000924	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	0.10	0.000058	PASS

---End of Attachment---



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