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Appendix B.3

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	23.11	25.64	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.17	25.7	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.12	25.65	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.67	25.2	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.81	25.34	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.89	25.42	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.86	25.39	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.41	24.94	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.95	25.48	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.99	25.52	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.95	25.48	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.54	25.07	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.63	25.16	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.71	25.24	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.59	25.12	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.64	24.17	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.54	25.07	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.64	25.17	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.55	25.08	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.34	23.87	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.53	25.06	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.63	25.16	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.52	25.05	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.49	24.02	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.05	25.58	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.16	25.69	30.00	PASS



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Band4	3MHz	QPSK	19965	1RB#14	23.06	25.59	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.70	25.23	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.92	25.45	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.02	25.55	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.85	25.38	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.53	25.06	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.85	25.38	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.02	25.55	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.90	25.43	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.55	25.08	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.70	25.23	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.83	25.36	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.68	25.21	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.74	24.27	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.62	25.15	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.71	25.24	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.54	25.07	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.53	24.06	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.59	25.12	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.73	25.26	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.61	25.14	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.60	24.13	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.94	25.47	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.23	25.76	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.95	25.48	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.64	25.17	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.80	25.33	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.99	25.52	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.75	25.28	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.46	24.99	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.78	25.31	30.00	PASS



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Band4	5MHz	QPSK	20375	1RB#12	23.11	25.64	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.83	25.36	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.52	25.05	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.44	24.97	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.73	25.26	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.49	25.02	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.69	24.22	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.59	25.12	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.79	25.32	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.49	25.02	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.52	24.05	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.30	24.83	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.61	25.14	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.38	24.91	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.54	24.07	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.25	24.78	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.93	25.46	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.25	24.78	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.39	24.92	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.19	24.72	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.80	25.33	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.06	24.59	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.23	24.76	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.96	24.49	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.67	25.2	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.10	24.63	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.20	24.73	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.01	24.54	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.65	25.18	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.02	24.55	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.42	23.95	30.00	PASS



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Band4	10MHz	16QAM	20175	1RB#0	21.99	24.52	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.49	25.02	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.86	24.39	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.28	23.81	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.85	24.38	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.40	24.93	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.88	24.41	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.25	23.78	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.84	25.37	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.14	25.67	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.72	25.25	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.76	25.29	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.81	25.34	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.04	25.57	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.76	25.29	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.54	25.07	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.59	25.12	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.92	25.45	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.73	25.26	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.52	25.05	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.52	25.05	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.92	25.45	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.56	25.09	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.72	24.25	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.63	25.16	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.81	25.34	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.48	25.01	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.58	24.11	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.41	24.94	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.72	25.25	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.52	25.05	30.00	PASS



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Band4	15MHz	16QAM	20325	75RB#0	21.50	24.03	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.66	25.19	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.23	25.76	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.45	24.98	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.51	25.04	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.57	25.1	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.11	25.64	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.49	25.02	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.42	24.95	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.43	24.96	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.05	25.58	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.57	25.1	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.37	24.9	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.21	24.74	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.81	25.34	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.09	24.62	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.60	24.13	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.29	24.82	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.85	25.38	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.17	24.7	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.48	24.01	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.94	24.47	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.61	25.14	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.15	24.68	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.40	23.93	30.00	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	4.84	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.02	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.76	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.64	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.86	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.58	13	PASS



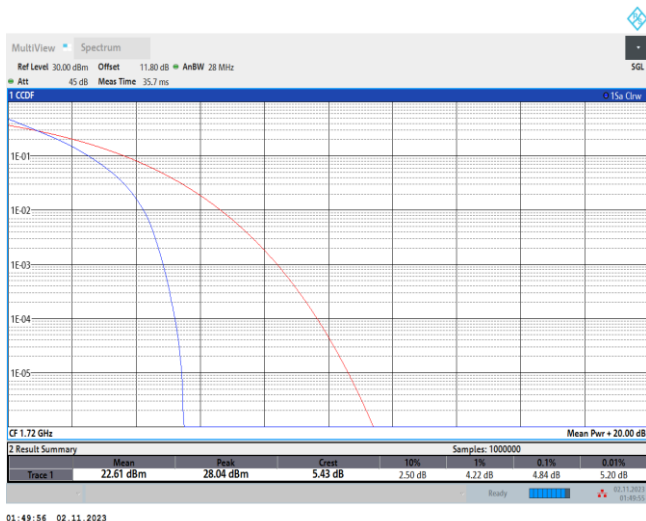
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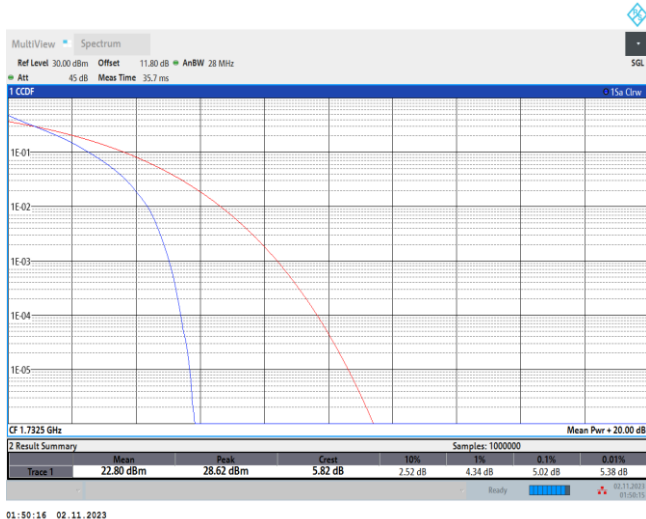
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Test Graphs

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



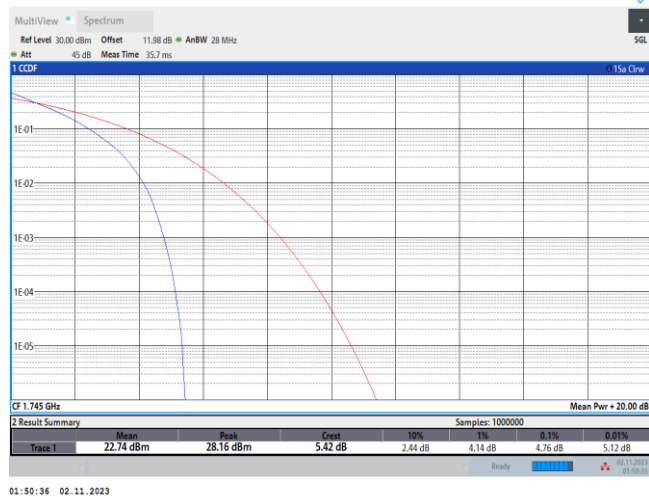
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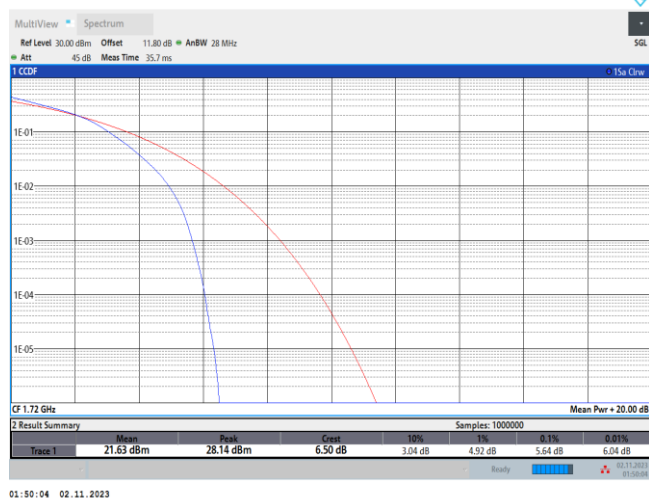
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Band4-20MHz-QPSK-20300-100RB#0



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



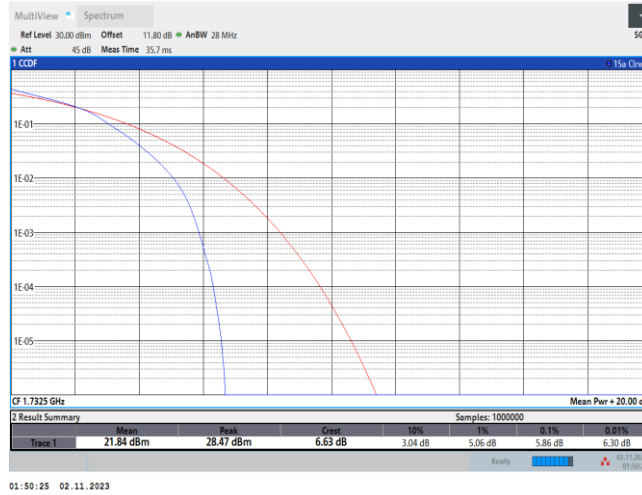
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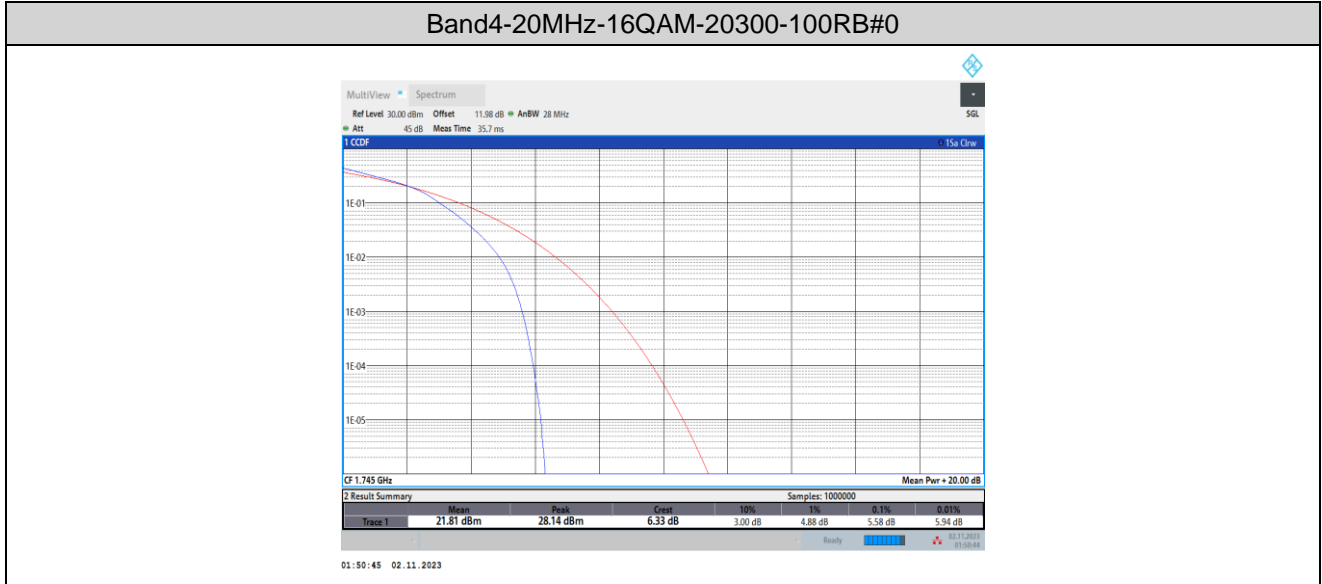
Band4-20MHz-16QAM-20175-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.092	1.25	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.094	1.24	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.093	1.25	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.097	1.25	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.093	1.25	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.23	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.703	3.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.696	3.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.702	3.01	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.694	3.04	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.694	3.01	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.693	2.99	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.485	4.92	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.471	4.90	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.473	4.90	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.477	4.88	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.481	4.94	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.479	4.90	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.949	9.72	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.939	9.70	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.94	9.64	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.936	9.58	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.946	9.64	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.943	9.72	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.479	14.82	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.475	14.76	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.424	14.79	PASS



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Band4	15MHz	16QAM	20025	75RB#0	13.466	14.76	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.479	14.73	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.468	14.67	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.922	19.28	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.914	19.56	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.868	19.32	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.881	19.44	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.917	19.44	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.901	19.60	PASS



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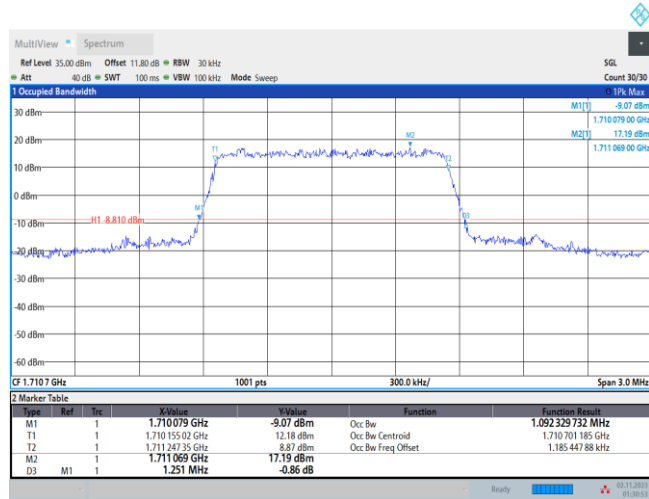
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Test Graphs

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



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



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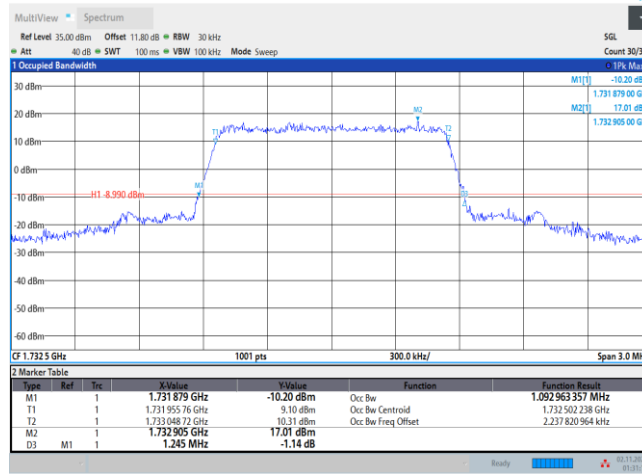
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Band4-1.4MHz-16QAM-20175-6RB#0



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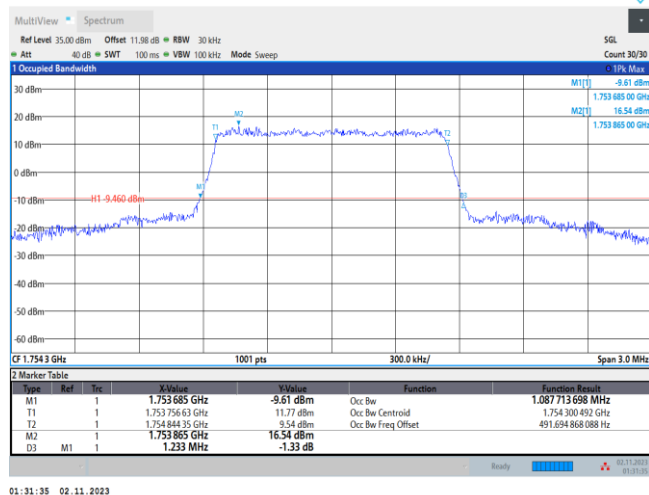
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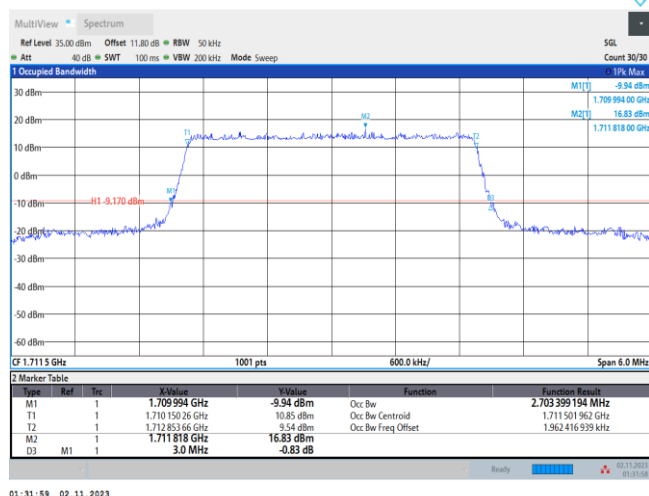
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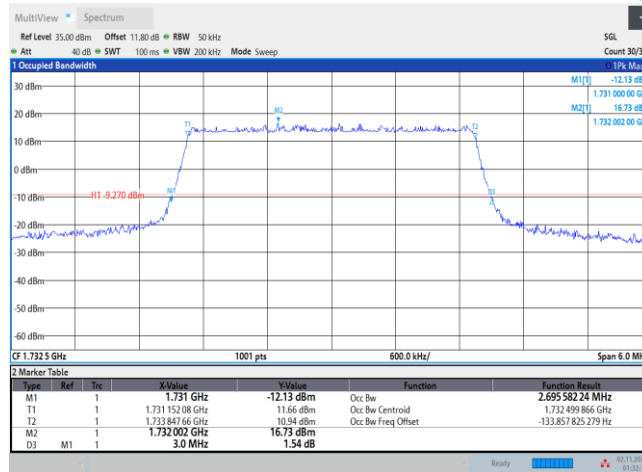
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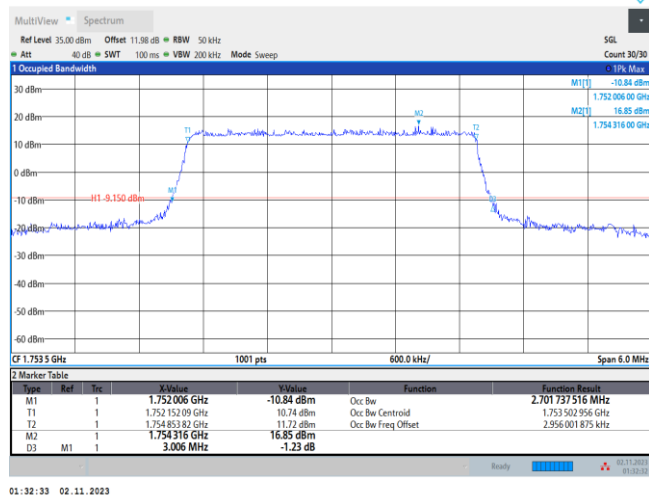
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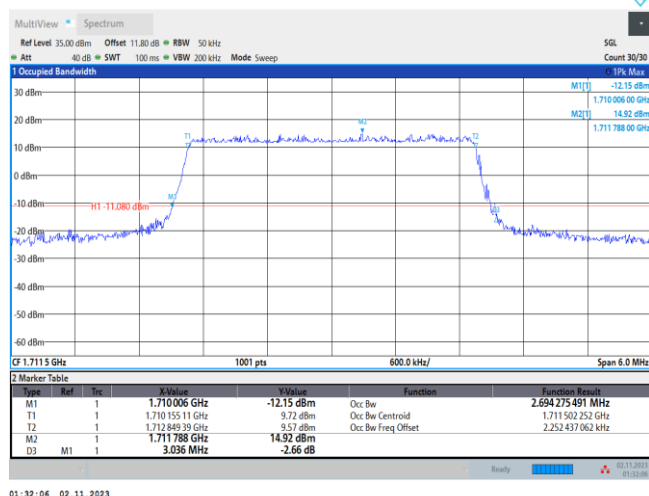
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Band4-3MHz-16QAM-19965-15RB#0



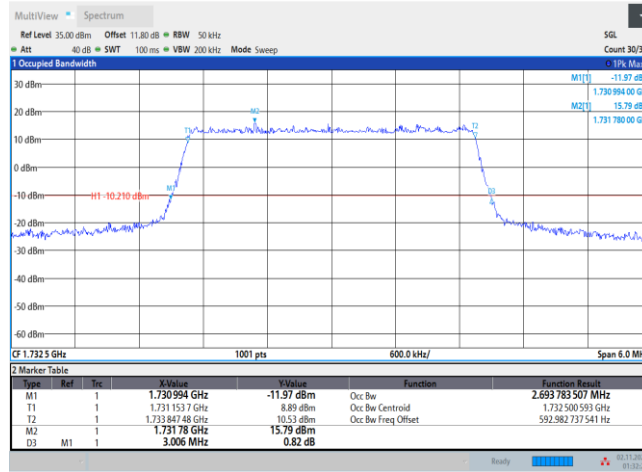
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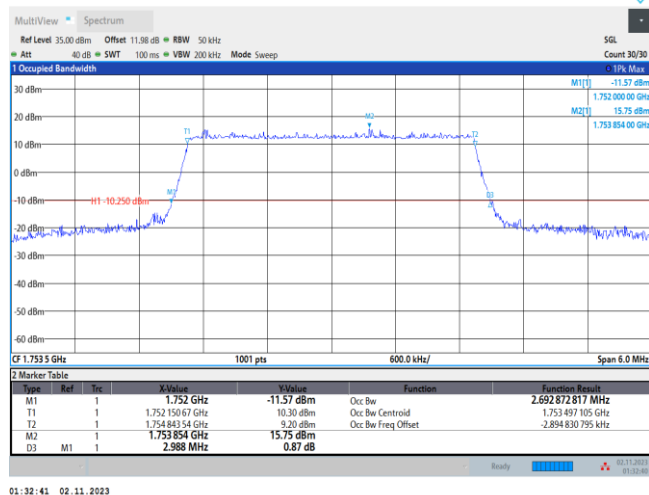
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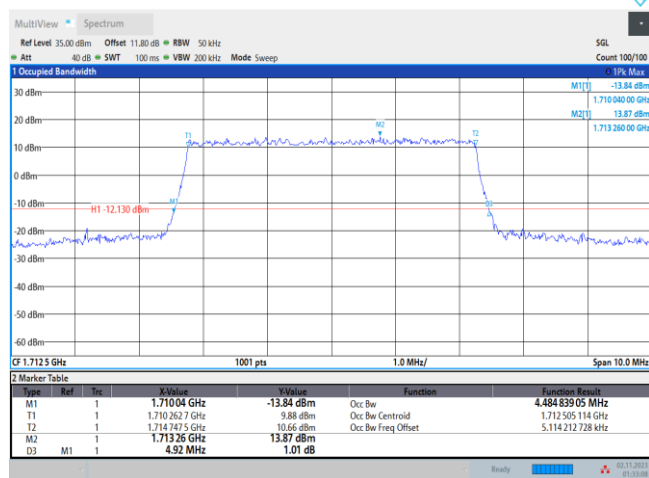
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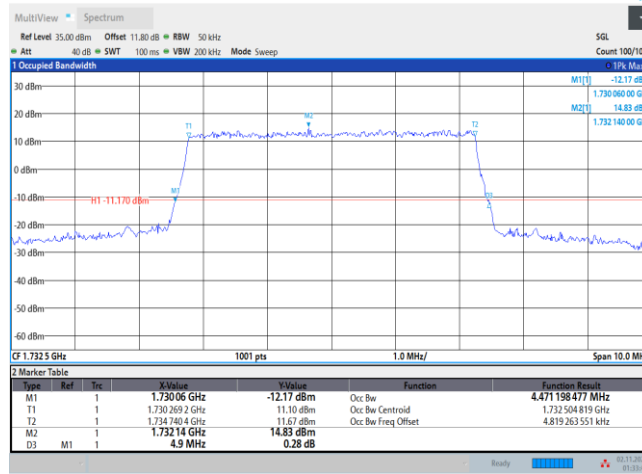


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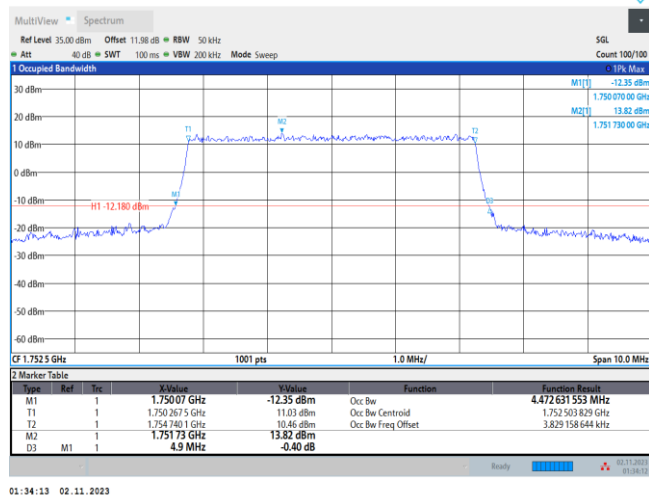
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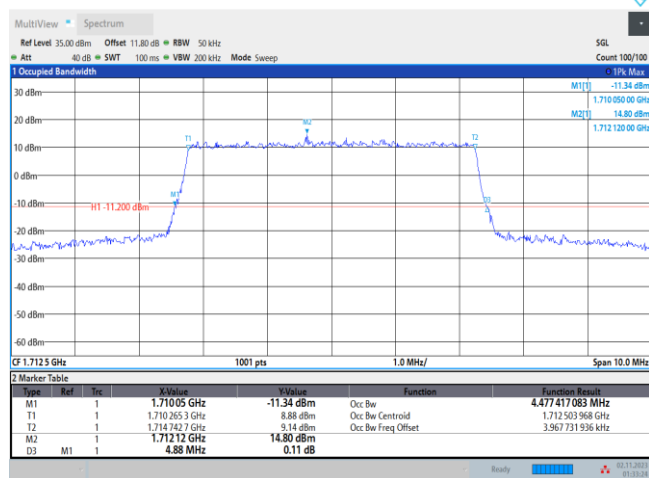
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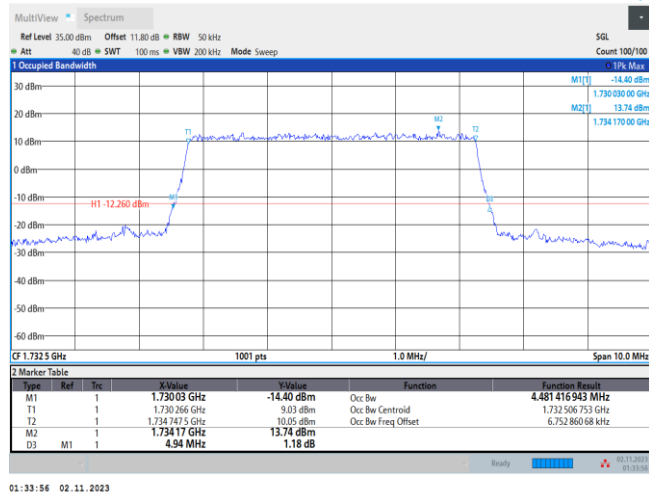
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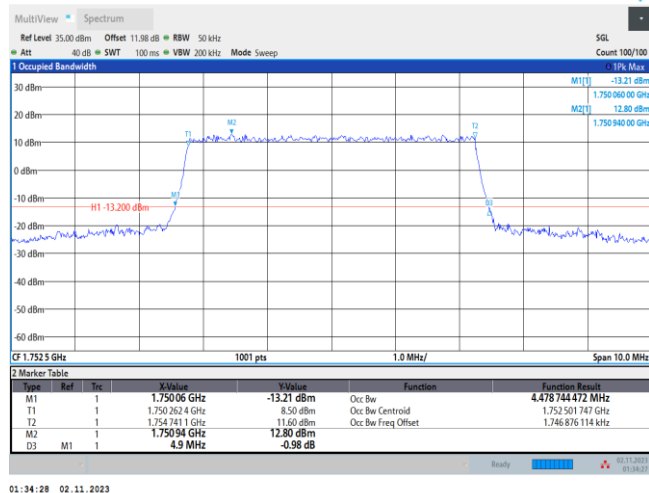
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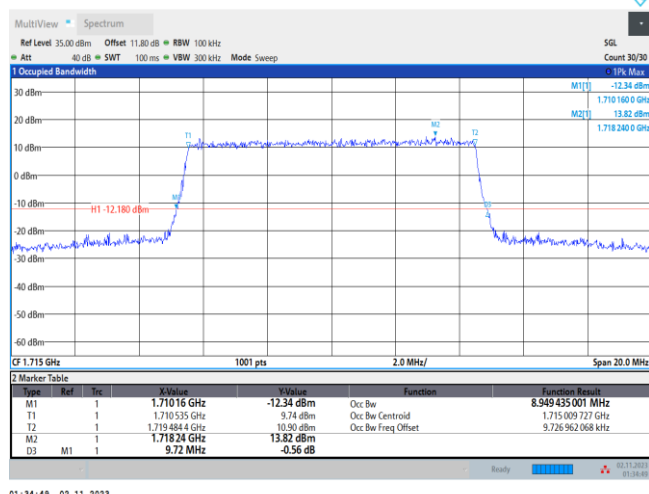
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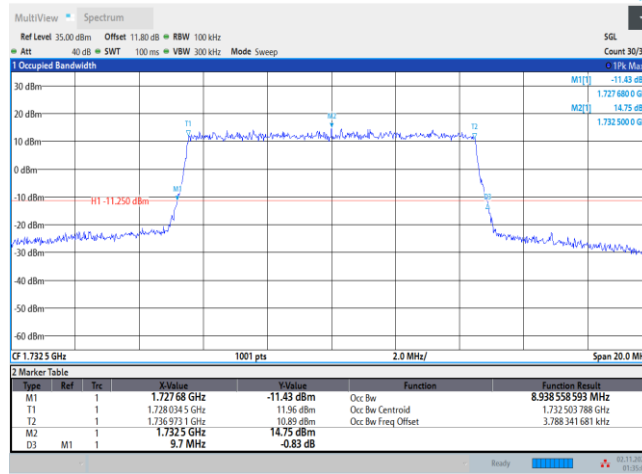
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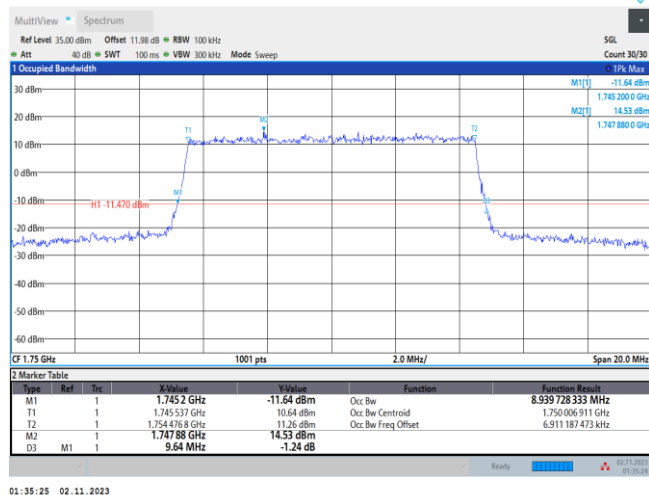
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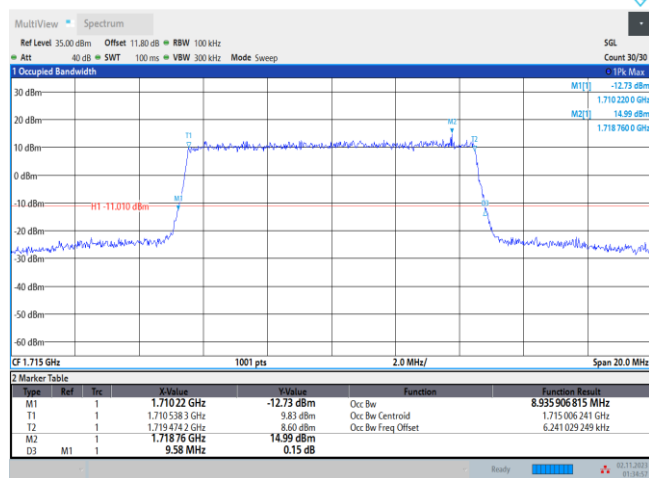
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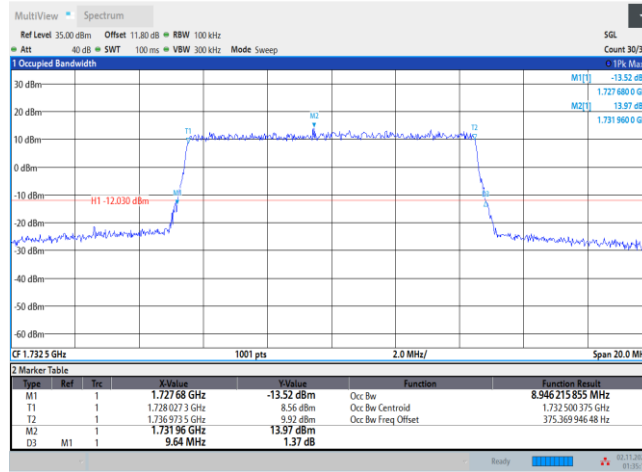
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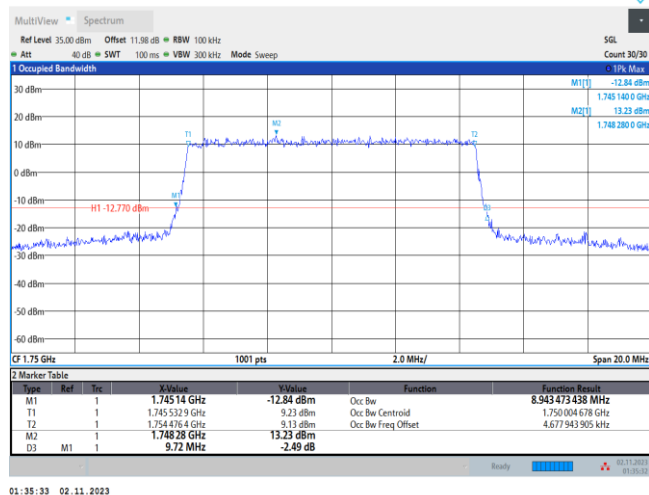
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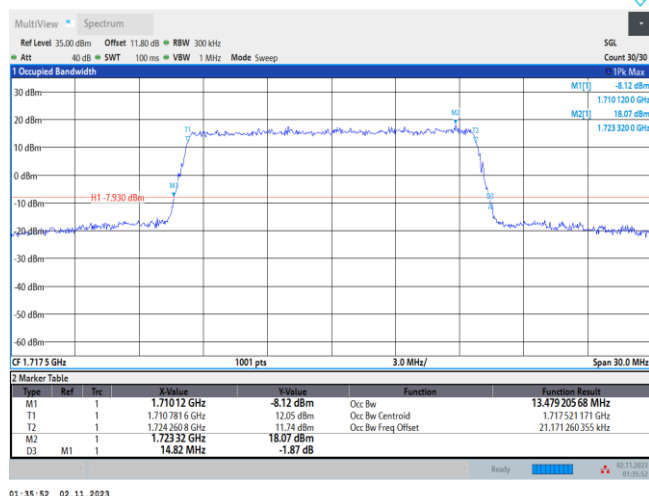
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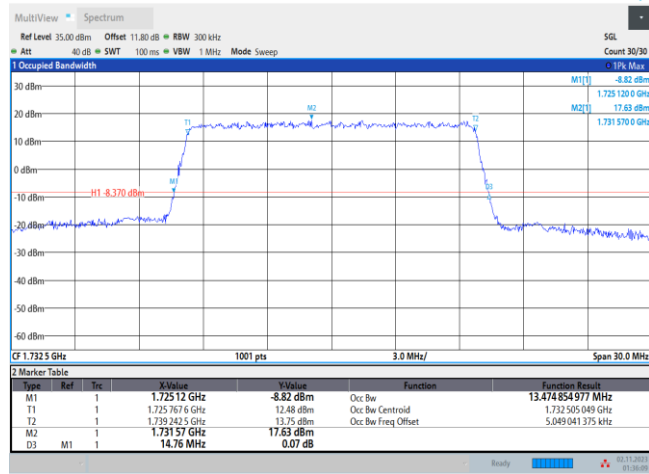
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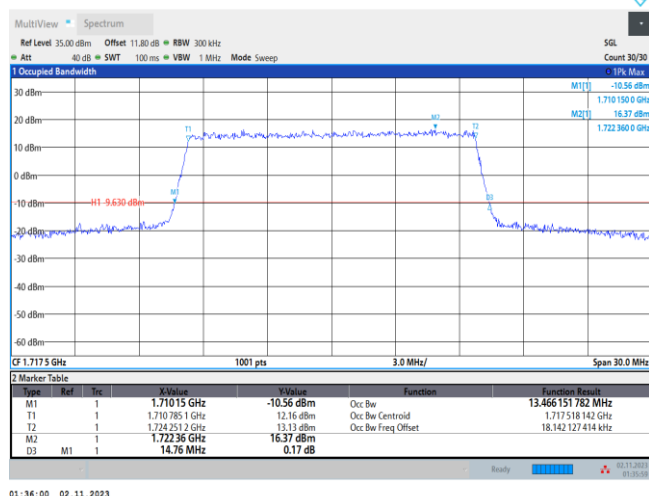
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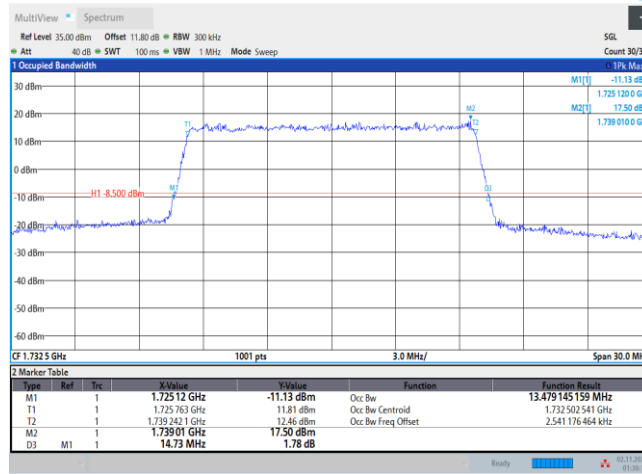


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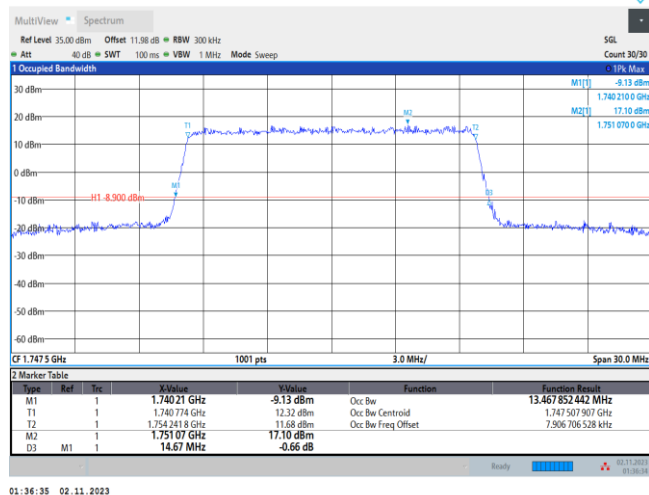
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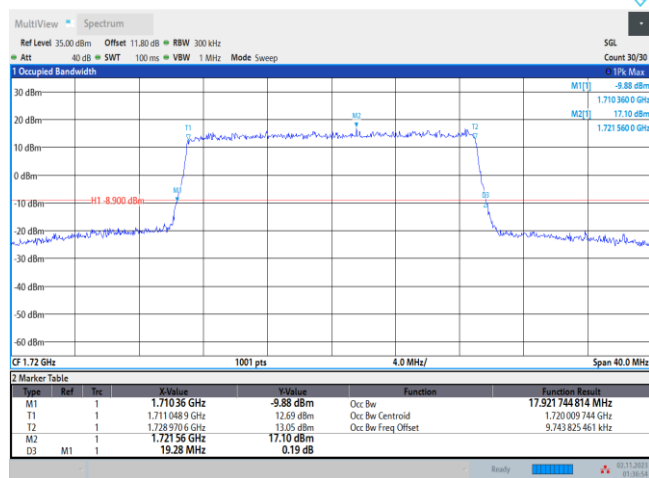
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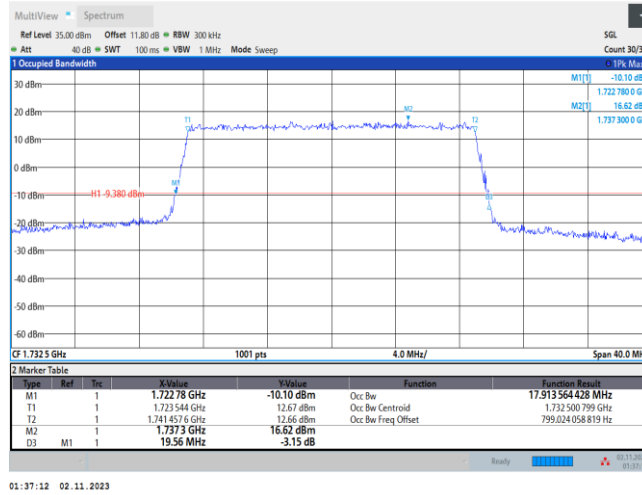


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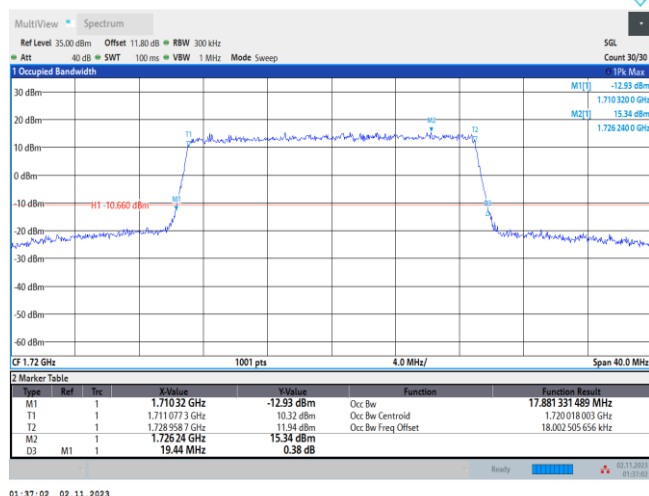
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Band4-20MHz-16QAM-20050-100RB#0



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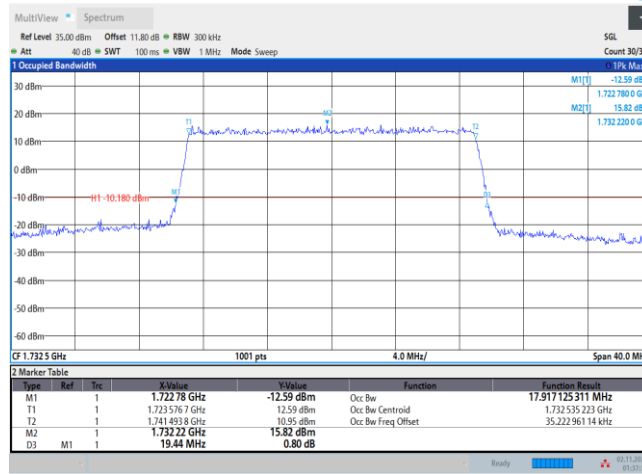
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Page: 36 of 65

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



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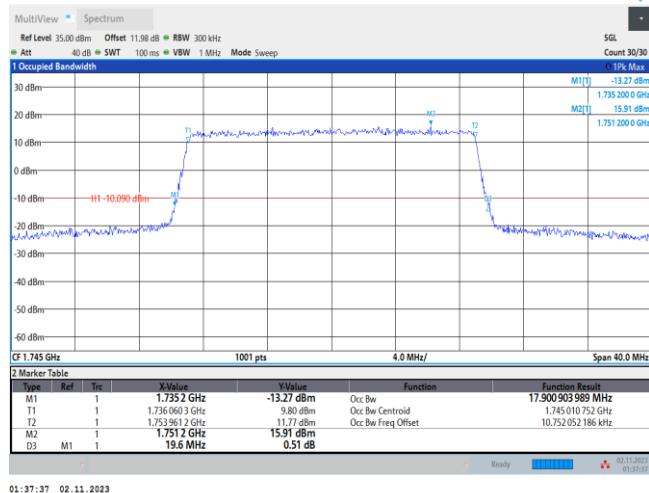
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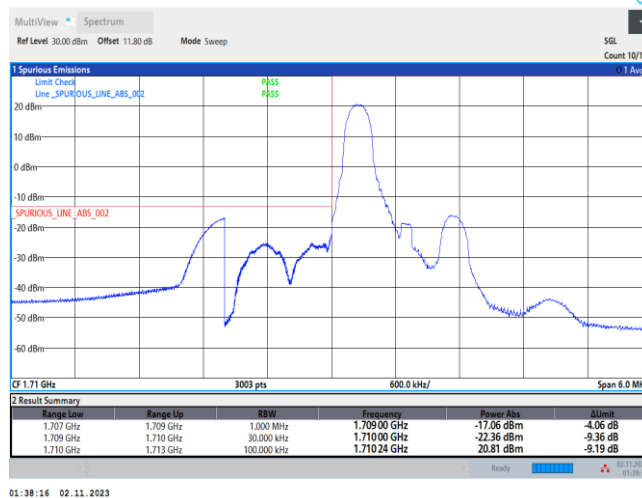
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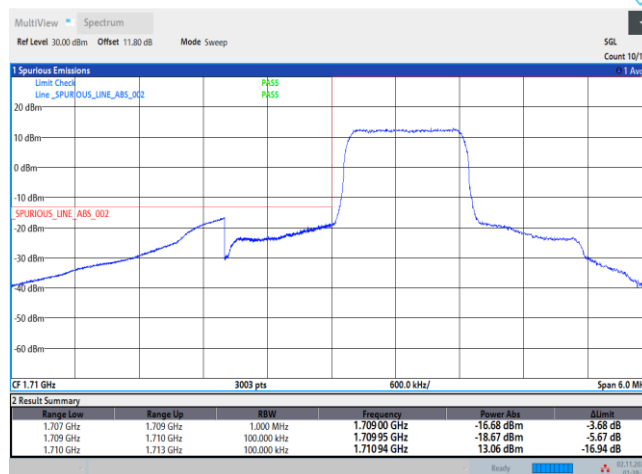
Test Graphs

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



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



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



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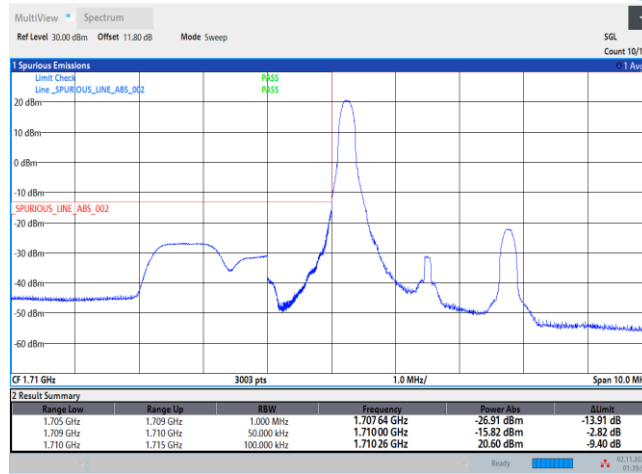


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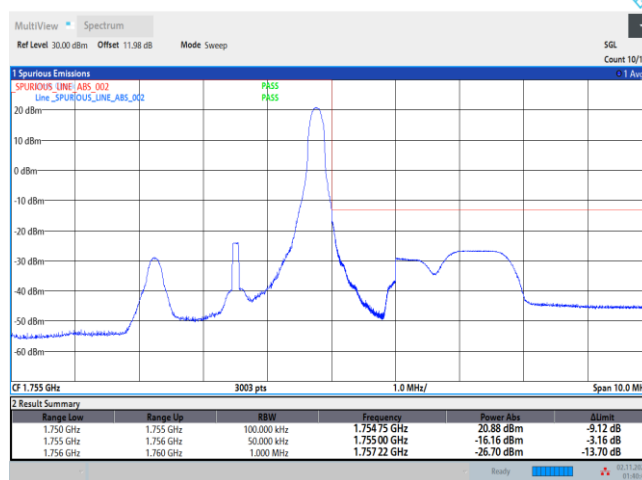
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Band4-3MHz-QPSK-19965-15RB#0



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



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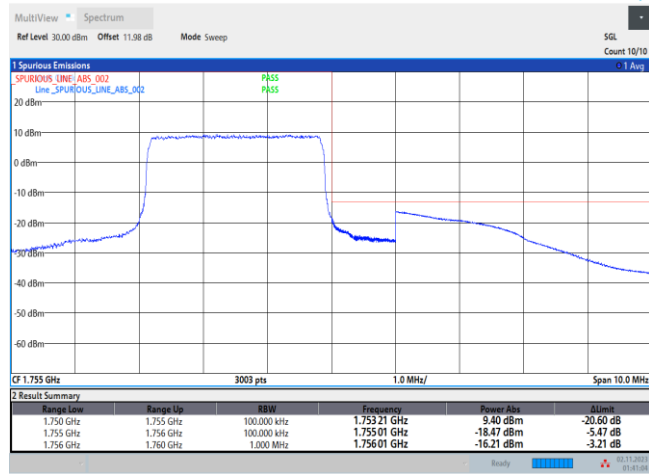
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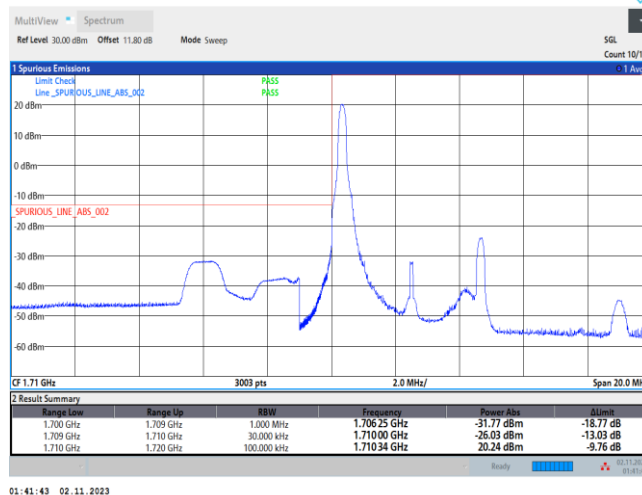
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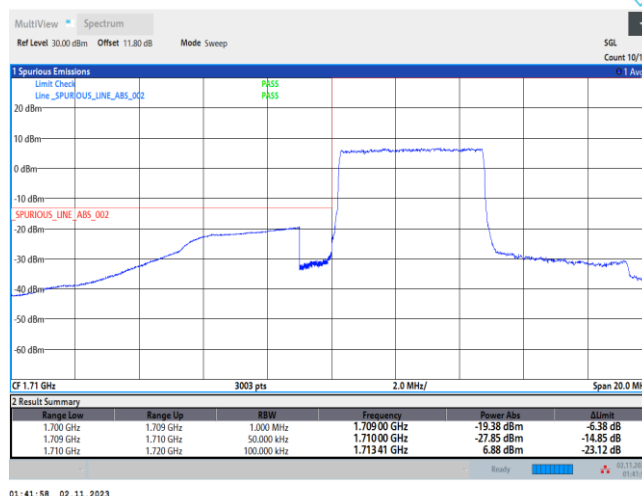
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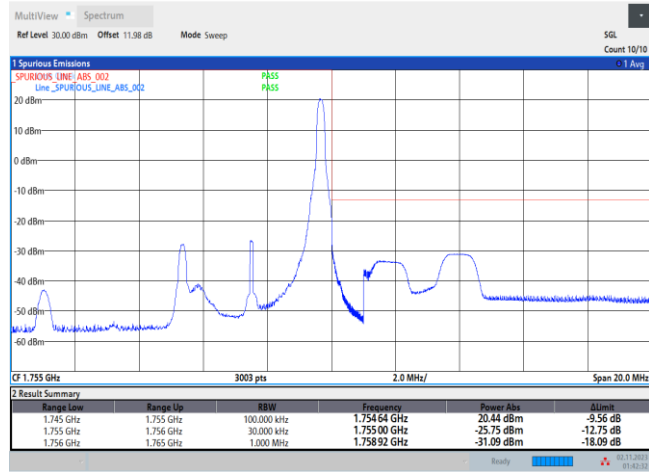
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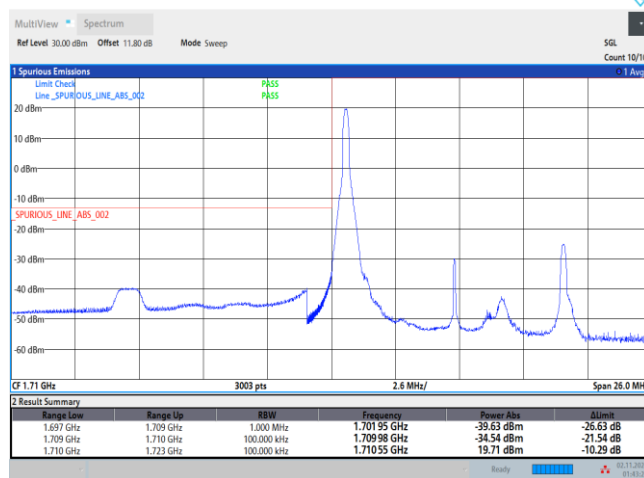
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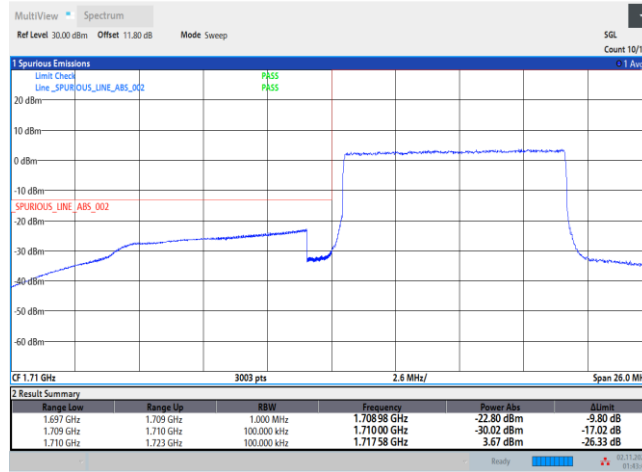
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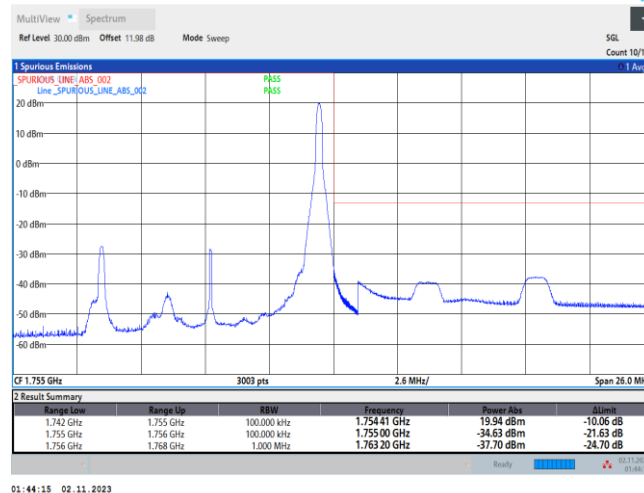
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Band4-10MHz-QPSK-20350-1RB#49



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

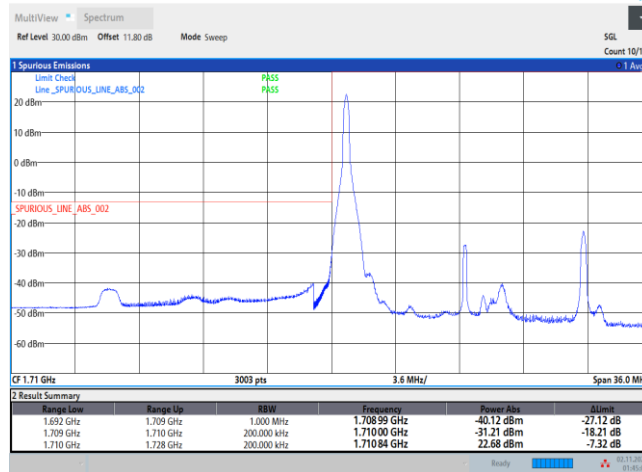


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Band4-15MHz-QPSK-20025-1RB#0



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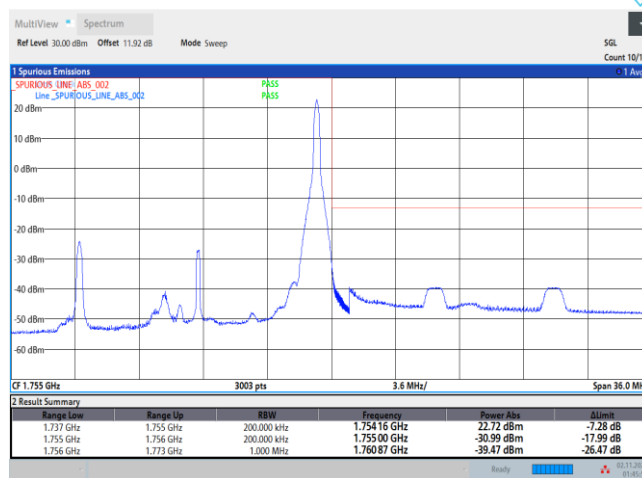
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Band4-15MHz-QPSK-20025-75RB#0



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



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



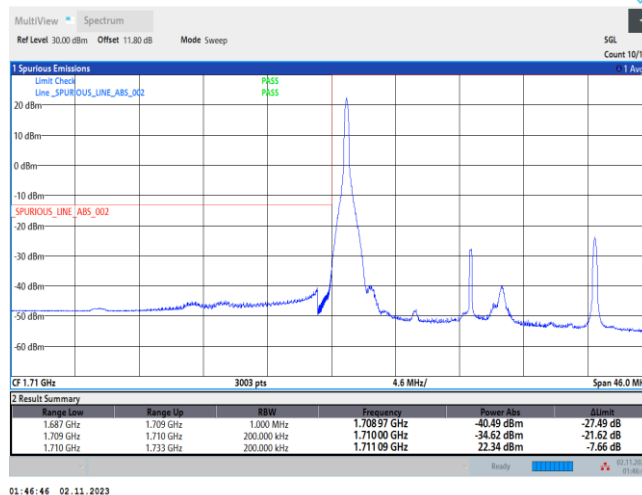
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Band4-20MHz-QPSK-20050-1RB#0



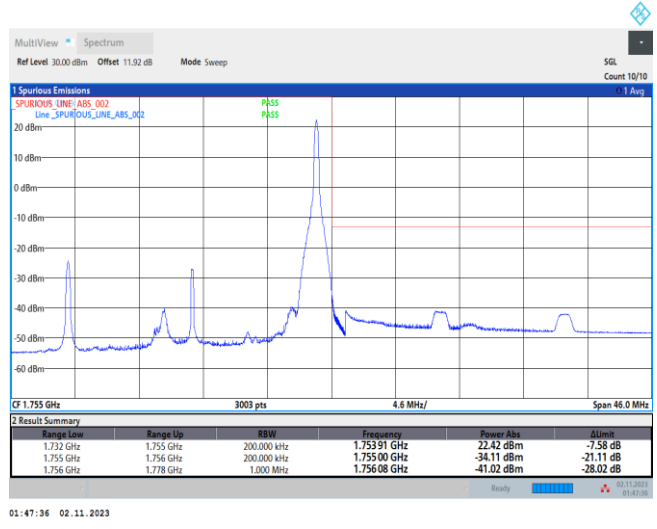
Band4-20MHz-QPSK-20050-100RB#0



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



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



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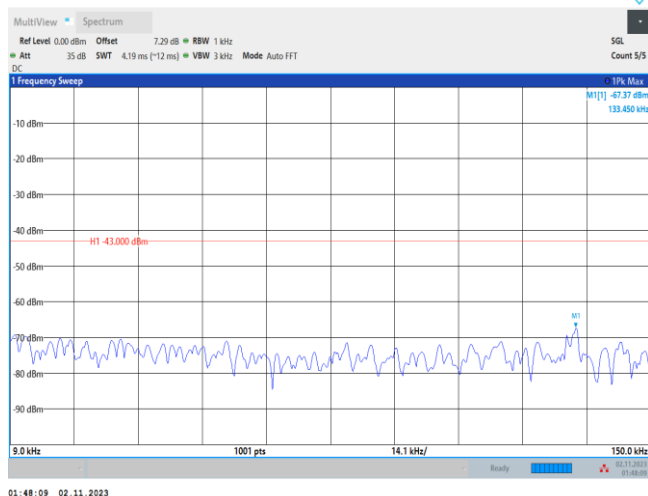
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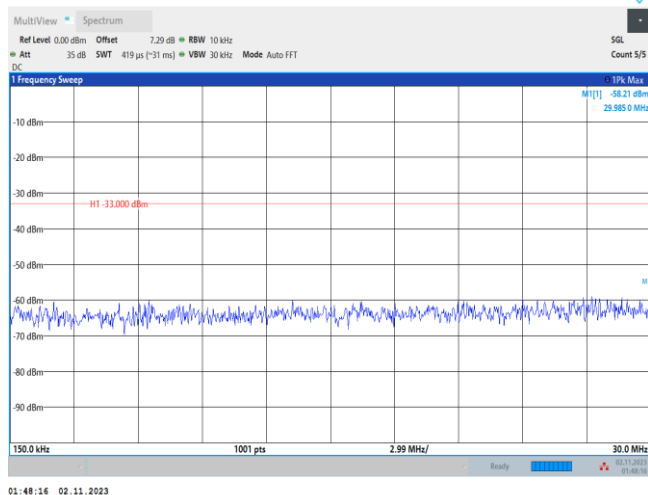
Conducted Spurious Emission

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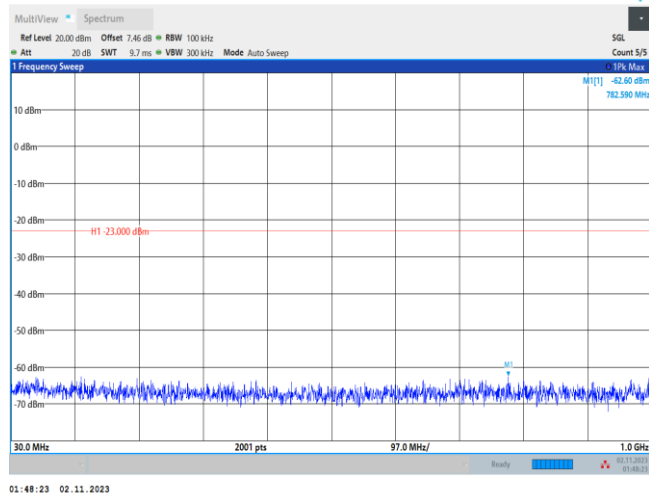
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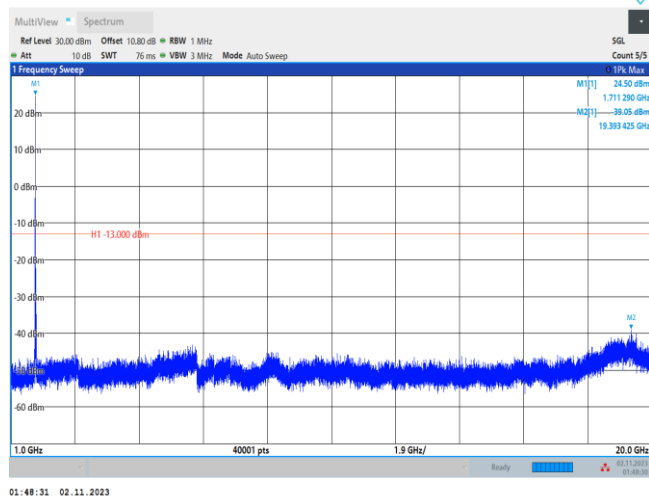
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz

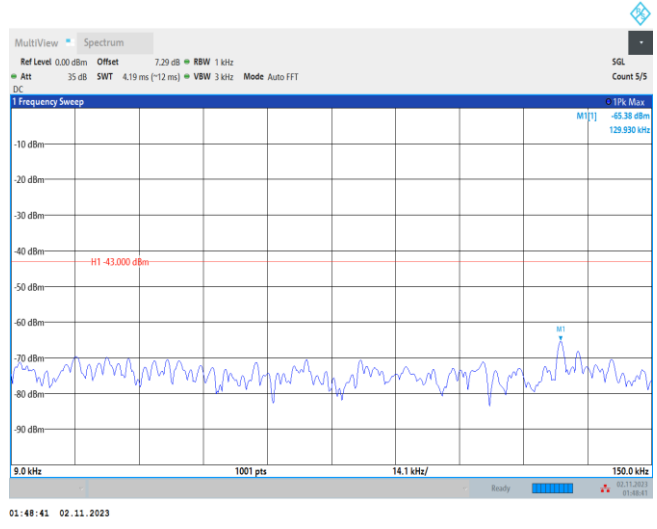


Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~20000MHz



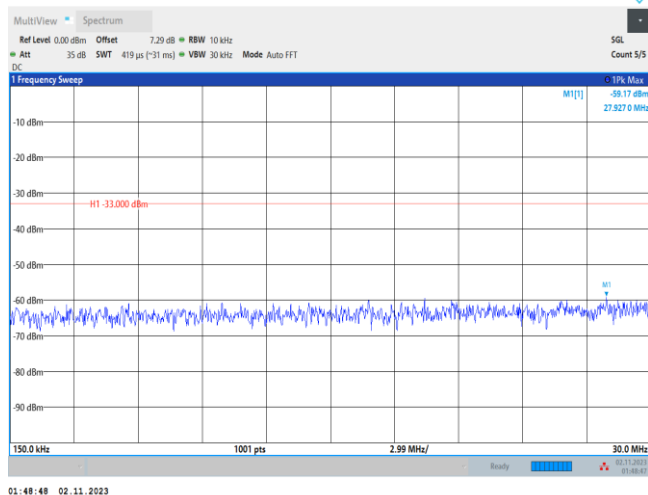
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz

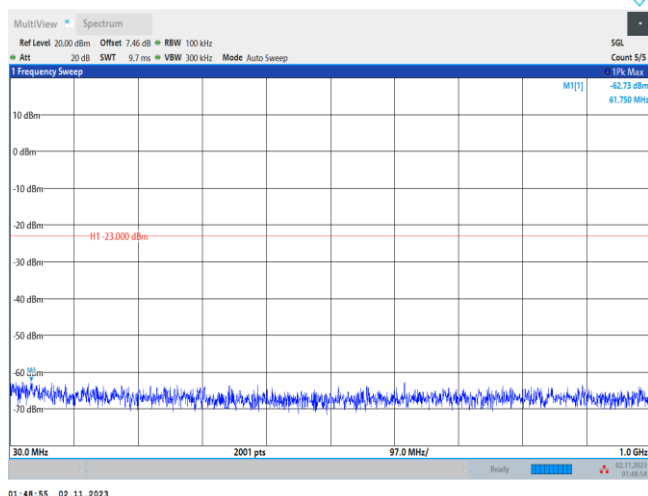


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Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



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



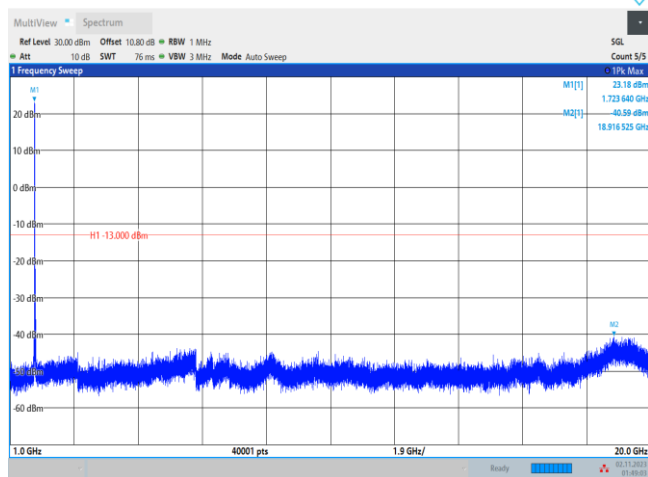
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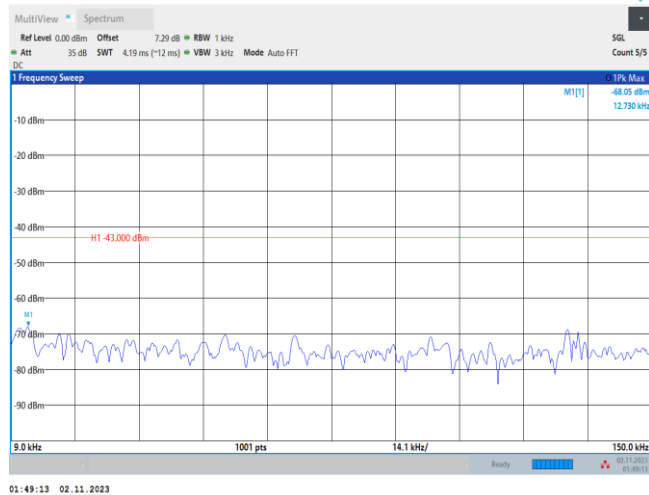
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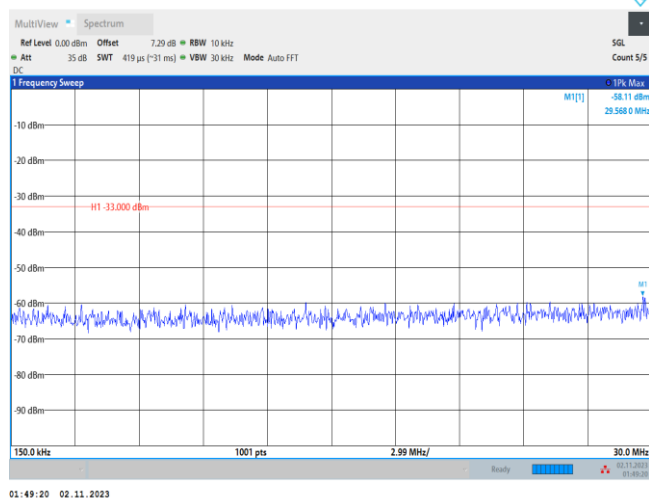
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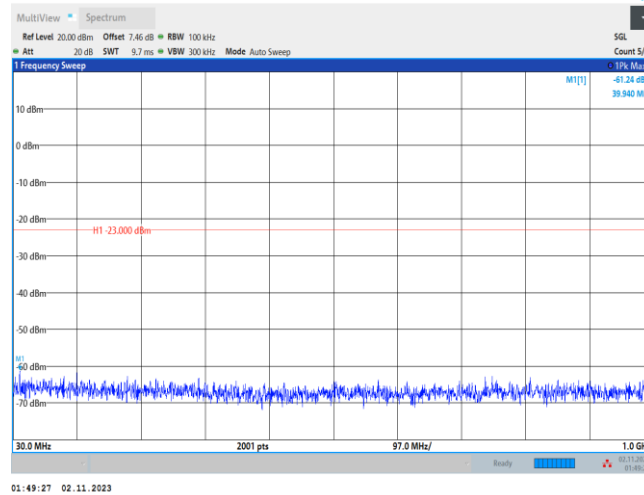
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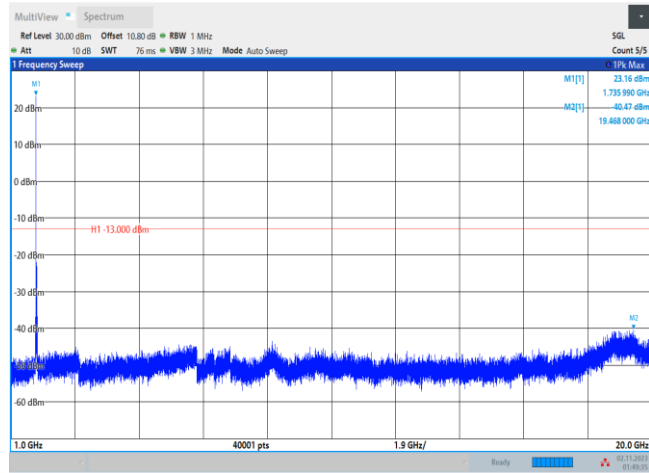
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Band4-20MHz-QPSK-20300-1RB#0-Range4:1000~20000MHz



01:49:35 02.11.2023



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Field Strength of Spurious Radiation

Test Band = LTE_4_TM1
 Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2995.5	37.41	-17.43	28.57	-46.71	-13.00	33.71	Horizontal
2	3422	67.44	-45.33	28.73	-44.42	-13.00	31.42	Horizontal
3	5133.5	49.61	-42.53	31.70	-56.48	-13.00	43.48	Horizontal
4	7903	42.16	-37.47	36.49	-54.08	-13.00	41.08	Horizontal
5	11039.5	40.85	-37.22	40.14	-51.49	-13.00	38.49	Horizontal
6	16388	38.92	-34.89	38.76	-52.47	-13.00	39.47	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2956	37.73	-17.31	28.34	-46.50	-13.00	33.50	Vertical
2	3422	70.52	-45.33	28.73	-41.34	-13.00	28.34	Vertical
3	5133.5	50.33	-42.53	31.70	-55.76	-13.00	42.76	Vertical
4	7406.5	42.63	-38.28	36.71	-54.20	-13.00	41.20	Vertical
5	10266.5	45.47	-37.61	38.97	-48.43	-13.00	35.43	Vertical
6	16398.5	38.43	-34.83	38.80	-52.86	-13.00	39.86	Vertical



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Test Band = LTE_4_TM1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2996.5	37.94	-17.43	28.58	-46.17	-13.00	33.17	Horizontal
2	3447	69.60	-45.26	28.88	-42.04	-13.00	29.04	Horizontal
3	5170.5	46.73	-42.54	31.84	-59.23	-13.00	46.23	Horizontal
4	6830	42.90	-39.42	35.52	-56.26	-13.00	43.26	Horizontal
5	11030	40.85	-37.16	40.13	-51.44	-13.00	38.44	Horizontal
6	15284	38.30	-36.05	39.87	-53.14	-13.00	40.14	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2975.5	37.60	-17.21	28.45	-46.42	-13.00	33.42	Vertical
2	3447	71.17	-45.26	28.88	-40.47	-13.00	27.47	Vertical
3	5171	48.98	-42.54	31.84	-56.98	-13.00	43.98	Vertical
4	7415.5	42.50	-38.28	36.73	-54.31	-13.00	41.31	Vertical
5	10341.5	42.11	-37.29	39.14	-51.30	-13.00	38.30	Vertical
6	16358	38.60	-35.05	38.67	-53.04	-13.00	40.04	Vertical



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Test Band = LTE_4_TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2988	37.19	-17.40	28.53	-46.94	-13.00	33.94	Horizontal
2	3472	67.89	-45.19	28.99	-43.57	-13.00	30.57	Horizontal
3	5208	52.32	-42.53	31.85	-53.62	-13.00	40.62	Horizontal
4	7418.5	44.15	-38.28	36.74	-52.65	-13.00	39.65	Horizontal
5	9905	42.01	-35.09	38.61	-49.73	-13.00	36.73	Horizontal
6	16601.5	41.49	-35.43	39.50	-49.70	-13.00	36.70	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2996	36.94	-17.43	28.58	-47.17	-13.00	34.17	Vertical
2	3472	70.33	-45.19	28.99	-41.13	-13.00	28.13	Vertical
3	5208.5	56.67	-42.53	31.85	-49.27	-13.00	36.27	Vertical
4	6944.5	46.10	-39.44	35.31	-53.29	-13.00	40.29	Vertical
5	10416.5	46.04	-37.14	39.15	-47.21	-13.00	34.21	Vertical
6	12152.5	46.52	-39.55	39.55	-48.74	-13.00	35.74	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

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-11.07	-0.006390	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-3.68	-0.002124	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	10.64	0.006141	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-9.91	-0.005720	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.75	0.002742	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-13.68	-0.007896	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-11.36	-0.006557	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-8.77	-0.005062	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-14.72	-0.008496	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-9.00	-0.005195	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	8.60	0.004964	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-7.64	-0.004410	PASS

---End of Attachment---



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