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Appendix B.17

LTE Band 43(3700-3800)



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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
Band43	5MHz	QPSK	44615	1RB#0	20.51	21.51	30	PASS
Band43	5MHz	QPSK	44615	1RB#12	20.61	21.61	30	PASS
Band43	5MHz	QPSK	44615	1RB#24	20.83	21.83	30	PASS
Band43	5MHz	QPSK	44615	25RB#0	20.55	21.55	30	PASS
Band43	5MHz	QPSK	45090	1RB#0	20.76	21.76	30	PASS
Band43	5MHz	QPSK	45090	1RB#12	20.93	21.93	30	PASS
Band43	5MHz	QPSK	45090	1RB#24	20.88	21.88	30	PASS
Band43	5MHz	QPSK	45090	25RB#0	20.5	21.5	30	PASS
Band43	5MHz	QPSK	45565	1RB#0	21	22	30	PASS
Band43	5MHz	QPSK	45565	1RB#12	20.88	21.88	30	PASS
Band43	5MHz	QPSK	45565	1RB#24	21.04	22.04	30	PASS
Band43	5MHz	QPSK	45565	25RB#0	20.63	21.63	30	PASS
Band43	5MHz	16QAM	44615	1RB#0	20.62	21.62	30	PASS
Band43	5MHz	16QAM	44615	1RB#12	20.56	21.56	30	PASS
Band43	5MHz	16QAM	44615	1RB#24	20.64	21.64	30	PASS
Band43	5MHz	16QAM	44615	25RB#0	19.58	20.58	30	PASS
Band43	5MHz	16QAM	45090	1RB#0	20.51	21.51	30	PASS
Band43	5MHz	16QAM	45090	1RB#12	20.61	21.61	30	PASS
Band43	5MHz	16QAM	45090	1RB#24	20.57	21.57	30	PASS
Band43	5MHz	16QAM	45090	25RB#0	19.44	20.44	30	PASS
Band43	5MHz	16QAM	45565	1RB#0	20.61	21.61	30	PASS
Band43	5MHz	16QAM	45565	1RB#12	20.76	21.76	30	PASS
Band43	5MHz	16QAM	45565	1RB#24	20.63	21.63	30	PASS
Band43	5MHz	16QAM	45565	25RB#0	19.64	20.64	30	PASS
Band43	5MHz	64QAM	44615	1RB#0	19.82	20.82	30	PASS
Band43	5MHz	64QAM	44615	1RB#12	19.85	20.85	30	PASS
Band43	5MHz	64QAM	44615	1RB#24	19.83	20.83	30	PASS
Band43	5MHz	64QAM	44615	25RB#0	18.55	19.55	30	PASS



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Band43	5MHz	64QAM	45090	1RB#0	19.92	20.92	30	PASS
Band43	5MHz	64QAM	45090	1RB#12	19.95	20.95	30	PASS
Band43	5MHz	64QAM	45090	1RB#24	19.81	20.81	30	PASS
Band43	5MHz	64QAM	45090	25RB#0	18.55	19.55	30	PASS
Band43	5MHz	64QAM	45565	1RB#0	19.84	20.84	30	PASS
Band43	5MHz	64QAM	45565	1RB#12	19.81	20.81	30	PASS
Band43	5MHz	64QAM	45565	1RB#24	19.84	20.84	30	PASS
Band43	5MHz	64QAM	45565	25RB#0	18.55	19.55	30	PASS
Band43	5MHz	256QAM	44615	1RB#0	16.51	17.51	30	PASS
Band43	5MHz	256QAM	44615	1RB#12	16.72	17.72	30	PASS
Band43	5MHz	256QAM	44615	1RB#24	16.62	17.62	30	PASS
Band43	5MHz	256QAM	44615	25RB#0	16.49	17.49	30	PASS
Band43	5MHz	256QAM	45090	1RB#0	16.39	17.39	30	PASS
Band43	5MHz	256QAM	45090	1RB#12	16.67	17.67	30	PASS
Band43	5MHz	256QAM	45090	1RB#24	16.67	17.67	30	PASS
Band43	5MHz	256QAM	45090	25RB#0	16.46	17.46	30	PASS
Band43	5MHz	256QAM	45565	1RB#0	16.59	17.59	30	PASS
Band43	5MHz	256QAM	45565	1RB#12	16.74	17.74	30	PASS
Band43	5MHz	256QAM	45565	1RB#24	16.69	17.69	30	PASS
Band43	5MHz	256QAM	45565	25RB#0	16.66	17.66	30	PASS
Band43	10MHz	QPSK	44640	1RB#0	21.07	22.07	30	PASS
Band43	10MHz	QPSK	44640	1RB#24	20.82	21.82	30	PASS
Band43	10MHz	QPSK	44640	1RB#49	21.14	22.14	30	PASS
Band43	10MHz	QPSK	44640	50RB#0	20.59	21.59	30	PASS
Band43	10MHz	QPSK	45090	1RB#0	20.81	21.81	30	PASS
Band43	10MHz	QPSK	45090	1RB#24	21.2	22.2	30	PASS
Band43	10MHz	QPSK	45090	1RB#49	21.01	22.01	30	PASS
Band43	10MHz	QPSK	45090	50RB#0	20.44	21.44	30	PASS
Band43	10MHz	QPSK	45540	1RB#0	20.8	21.8	30	PASS
Band43	10MHz	QPSK	45540	1RB#24	21.08	22.08	30	PASS
Band43	10MHz	QPSK	45540	1RB#49	20.9	21.9	30	PASS
Band43	10MHz	QPSK	45540	50RB#0	20.51	21.51	30	PASS
Band43	10MHz	16QAM	44640	1RB#0	20.66	21.66	30	PASS



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Band43	10MHz	16QAM	44640	1RB#49	20.66	21.66	30	PASS
Band43	10MHz	16QAM	44640	50RB#0	19.57	20.57	30	PASS
Band43	10MHz	16QAM	45090	1RB#0	20.69	21.69	30	PASS
Band43	10MHz	16QAM	45090	1RB#24	20.66	21.66	30	PASS
Band43	10MHz	16QAM	45090	1RB#49	20.48	21.48	30	PASS
Band43	10MHz	16QAM	45090	50RB#0	19.51	20.51	30	PASS
Band43	10MHz	16QAM	45540	1RB#0	20.32	21.32	30	PASS
Band43	10MHz	16QAM	45540	1RB#24	20.71	21.71	30	PASS
Band43	10MHz	16QAM	45540	1RB#49	20.43	21.43	30	PASS
Band43	10MHz	16QAM	45540	50RB#0	19.51	20.51	30	PASS
Band43	10MHz	64QAM	44640	1RB#0	19.85	20.85	30	PASS
Band43	10MHz	64QAM	44640	1RB#24	19.89	20.89	30	PASS
Band43	10MHz	64QAM	44640	1RB#49	19.75	20.75	30	PASS
Band43	10MHz	64QAM	44640	50RB#0	18.57	19.57	30	PASS
Band43	10MHz	64QAM	45090	1RB#0	19.84	20.84	30	PASS
Band43	10MHz	64QAM	45090	1RB#24	19.93	20.93	30	PASS
Band43	10MHz	64QAM	45090	1RB#49	19.86	20.86	30	PASS
Band43	10MHz	64QAM	45090	50RB#0	18.56	19.56	30	PASS
Band43	10MHz	64QAM	45540	1RB#0	19.48	20.48	30	PASS
Band43	10MHz	64QAM	45540	1RB#24	19.96	20.96	30	PASS
Band43	10MHz	64QAM	45540	1RB#49	19.67	20.67	30	PASS
Band43	10MHz	64QAM	45540	50RB#0	18.59	19.59	30	PASS
Band43	10MHz	256QAM	44640	1RB#0	16.54	17.54	30	PASS
Band43	10MHz	256QAM	44640	1RB#24	16.64	17.64	30	PASS
Band43	10MHz	256QAM	44640	1RB#49	16.6	17.6	30	PASS
Band43	10MHz	256QAM	44640	50RB#0	16.63	17.63	30	PASS
Band43	10MHz	256QAM	45090	1RB#0	16.65	17.65	30	PASS
Band43	10MHz	256QAM	45090	1RB#24	16.67	17.67	30	PASS
Band43	10MHz	256QAM	45090	1RB#49	16.64	17.64	30	PASS
Band43	10MHz	256QAM	45090	50RB#0	16.49	17.49	30	PASS
Band43	10MHz	256QAM	45540	1RB#0	16.38	17.38	30	PASS
Band43	10MHz	256QAM	45540	1RB#24	16.72	17.72	30	PASS



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Band43	10MHz	256QAM	45540	1RB#49	16.41	17.41	30	PASS
Band43	10MHz	256QAM	45540	50RB#0	16.55	17.55	30	PASS
Band43	15MHz	QPSK	44665	1RB#0	21.09	22.09	30	PASS
Band43	15MHz	QPSK	44665	1RB#38	20.88	21.88	30	PASS
Band43	15MHz	QPSK	44665	1RB#74	20.92	21.92	30	PASS
Band43	15MHz	QPSK	44665	75RB#0	20.42	21.42	30	PASS
Band43	15MHz	QPSK	45090	1RB#0	20.84	21.84	30	PASS
Band43	15MHz	QPSK	45090	1RB#38	20.89	21.89	30	PASS
Band43	15MHz	QPSK	45090	1RB#74	20.81	21.81	30	PASS
Band43	15MHz	QPSK	45090	75RB#0	20.31	21.31	30	PASS
Band43	15MHz	QPSK	45515	1RB#0	21.12	22.12	30	PASS
Band43	15MHz	QPSK	45515	1RB#38	21.1	22.1	30	PASS
Band43	15MHz	QPSK	45515	1RB#74	20.72	21.72	30	PASS
Band43	15MHz	QPSK	45515	75RB#0	20.48	21.48	30	PASS
Band43	15MHz	16QAM	44665	1RB#0	20.34	21.34	30	PASS
Band43	15MHz	16QAM	44665	1RB#38	20.5	21.5	30	PASS
Band43	15MHz	16QAM	44665	1RB#74	20.44	21.44	30	PASS
Band43	15MHz	16QAM	44665	75RB#0	19.43	20.43	30	PASS
Band43	15MHz	16QAM	45090	1RB#0	20.4	21.4	30	PASS
Band43	15MHz	16QAM	45090	1RB#38	20.55	21.55	30	PASS
Band43	15MHz	16QAM	45090	1RB#74	20.41	21.41	30	PASS
Band43	15MHz	16QAM	45090	75RB#0	19.43	20.43	30	PASS
Band43	15MHz	16QAM	45515	1RB#0	20.1	21.1	30	PASS
Band43	15MHz	16QAM	45515	1RB#38	20.61	21.61	30	PASS
Band43	15MHz	16QAM	45515	1RB#74	20.38	21.38	30	PASS
Band43	15MHz	16QAM	45515	75RB#0	19.48	20.48	30	PASS
Band43	15MHz	64QAM	44665	1RB#0	19.56	20.56	30	PASS
Band43	15MHz	64QAM	44665	1RB#38	19.59	20.59	30	PASS
Band43	15MHz	64QAM	44665	1RB#74	19.57	20.57	30	PASS
Band43	15MHz	64QAM	44665	75RB#0	18.43	19.43	30	PASS
Band43	15MHz	64QAM	45090	1RB#0	19.75	20.75	30	PASS
Band43	15MHz	64QAM	45090	1RB#38	19.64	20.64	30	PASS
Band43	15MHz	64QAM	45090	1RB#74	19.73	20.73	30	PASS



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Band43	15MHz	64QAM	45515	1RB#0	19.41	20.41	30	PASS
Band43	15MHz	64QAM	45515	1RB#38	19.9	20.9	30	PASS
Band43	15MHz	64QAM	45515	1RB#74	19.81	20.81	30	PASS
Band43	15MHz	64QAM	45515	75RB#0	18.45	19.45	30	PASS
Band43	15MHz	256QAM	44665	1RB#0	16.35	17.35	30	PASS
Band43	15MHz	256QAM	44665	1RB#38	16.57	17.57	30	PASS
Band43	15MHz	256QAM	44665	1RB#74	16.5	17.5	30	PASS
Band43	15MHz	256QAM	44665	75RB#0	16.46	17.46	30	PASS
Band43	15MHz	256QAM	45090	1RB#0	16.53	17.53	30	PASS
Band43	15MHz	256QAM	45090	1RB#38	16.46	17.46	30	PASS
Band43	15MHz	256QAM	45090	1RB#74	16.5	17.5	30	PASS
Band43	15MHz	256QAM	45090	75RB#0	16.42	17.42	30	PASS
Band43	15MHz	256QAM	45515	1RB#0	16.21	17.21	30	PASS
Band43	15MHz	256QAM	45515	1RB#38	16.66	17.66	30	PASS
Band43	15MHz	256QAM	45515	1RB#74	16.57	17.57	30	PASS
Band43	15MHz	256QAM	45515	75RB#0	16.38	17.38	30	PASS
Band43	20MHz	QPSK	44690	1RB#0	20.52	21.52	30	PASS
Band43	20MHz	QPSK	44690	1RB#49	20.35	21.35	30	PASS
Band43	20MHz	QPSK	44690	1RB#99	20.7	21.7	30	PASS
Band43	20MHz	QPSK	44690	100RB#0	20.47	21.47	30	PASS
Band43	20MHz	QPSK	45090	1RB#0	20.53	21.53	30	PASS
Band43	20MHz	QPSK	45090	1RB#49	20.95	21.95	30	PASS
Band43	20MHz	QPSK	45090	1RB#99	20.52	21.52	30	PASS
Band43	20MHz	QPSK	45090	100RB#0	20.32	21.32	30	PASS
Band43	20MHz	QPSK	45490	1RB#0	20.85	21.85	30	PASS
Band43	20MHz	QPSK	45490	1RB#49	20.61	21.61	30	PASS
Band43	20MHz	QPSK	45490	1RB#99	20.54	21.54	30	PASS
Band43	20MHz	QPSK	45490	100RB#0	20.37	21.37	30	PASS
Band43	20MHz	16QAM	44690	1RB#0	20.33	21.33	30	PASS
Band43	20MHz	16QAM	44690	1RB#49	20.5	21.5	30	PASS
Band43	20MHz	16QAM	44690	1RB#99	20.56	21.56	30	PASS
Band43	20MHz	16QAM	44690	100RB#0	19.46	20.46	30	PASS



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Band43	20MHz	16QAM	45090	1RB#49	20.47	21.47	30	PASS
Band43	20MHz	16QAM	45090	1RB#99	20.46	21.46	30	PASS
Band43	20MHz	16QAM	45090	100RB#0	19.32	20.32	30	PASS
Band43	20MHz	16QAM	45490	1RB#0	19.95	20.95	30	PASS
Band43	20MHz	16QAM	45490	1RB#49	20.52	21.52	30	PASS
Band43	20MHz	16QAM	45490	1RB#99	20.4	21.4	30	PASS
Band43	20MHz	16QAM	45490	100RB#0	19.38	20.38	30	PASS
Band43	20MHz	64QAM	44690	1RB#0	19.55	20.55	30	PASS
Band43	20MHz	64QAM	44690	1RB#49	19.7	20.7	30	PASS
Band43	20MHz	64QAM	44690	1RB#99	19.68	20.68	30	PASS
Band43	20MHz	64QAM	44690	100RB#0	18.42	19.42	30	PASS
Band43	20MHz	64QAM	45090	1RB#0	19.69	20.69	30	PASS
Band43	20MHz	64QAM	45090	1RB#49	19.62	20.62	30	PASS
Band43	20MHz	64QAM	45090	1RB#99	19.49	20.49	30	PASS
Band43	20MHz	64QAM	45090	100RB#0	18.42	19.42	30	PASS
Band43	20MHz	64QAM	45490	1RB#0	19.09	20.09	30	PASS
Band43	20MHz	64QAM	45490	1RB#49	19.74	20.74	30	PASS
Band43	20MHz	64QAM	45490	1RB#99	19.61	20.61	30	PASS
Band43	20MHz	64QAM	45490	100RB#0	18.35	19.35	30	PASS
Band43	20MHz	256QAM	44690	1RB#0	16.43	17.43	30	PASS
Band43	20MHz	256QAM	44690	1RB#49	16.57	17.57	30	PASS
Band43	20MHz	256QAM	44690	1RB#99	16.48	17.48	30	PASS
Band43	20MHz	256QAM	44690	100RB#0	16.42	17.42	30	PASS
Band43	20MHz	256QAM	45090	1RB#0	16.56	17.56	30	PASS
Band43	20MHz	256QAM	45090	1RB#49	16.6	17.6	30	PASS
Band43	20MHz	256QAM	45090	1RB#99	16.33	17.33	30	PASS
Band43	20MHz	256QAM	45090	100RB#0	16.38	17.38	30	PASS
Band43	20MHz	256QAM	45490	1RB#0	16.04	17.04	30	PASS
Band43	20MHz	256QAM	45490	1RB#49	16.47	17.47	30	PASS
Band43	20MHz	256QAM	45490	1RB#99	16.61	17.61	30	PASS
Band43	20MHz	256QAM	45490	100RB#0	16.35	17.35	30	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band43	20MHz	QPSK	44690	100RB#0	9.02	13	PASS
Band43	20MHz	QPSK	45090	100RB#0	8.84	13	PASS
Band43	20MHz	QPSK	45490	100RB#0	8.92	13	PASS
Band43	20MHz	16QAM	44690	100RB#0	9.78	13	PASS
Band43	20MHz	16QAM	45090	100RB#0	9.56	13	PASS
Band43	20MHz	16QAM	45490	100RB#0	9.68	13	PASS
Band43	20MHz	64QAM	44690	100RB#0	10.08	13	PASS
Band43	20MHz	64QAM	45090	100RB#0	10.12	13	PASS
Band43	20MHz	64QAM	45490	100RB#0	10.12	13	PASS
Band43	20MHz	256QAM	44690	100RB#0	9.96	13	PASS
Band43	20MHz	256QAM	45090	100RB#0	10.28	13	PASS
Band43	20MHz	256QAM	45490	100RB#0	10.06	13	PASS



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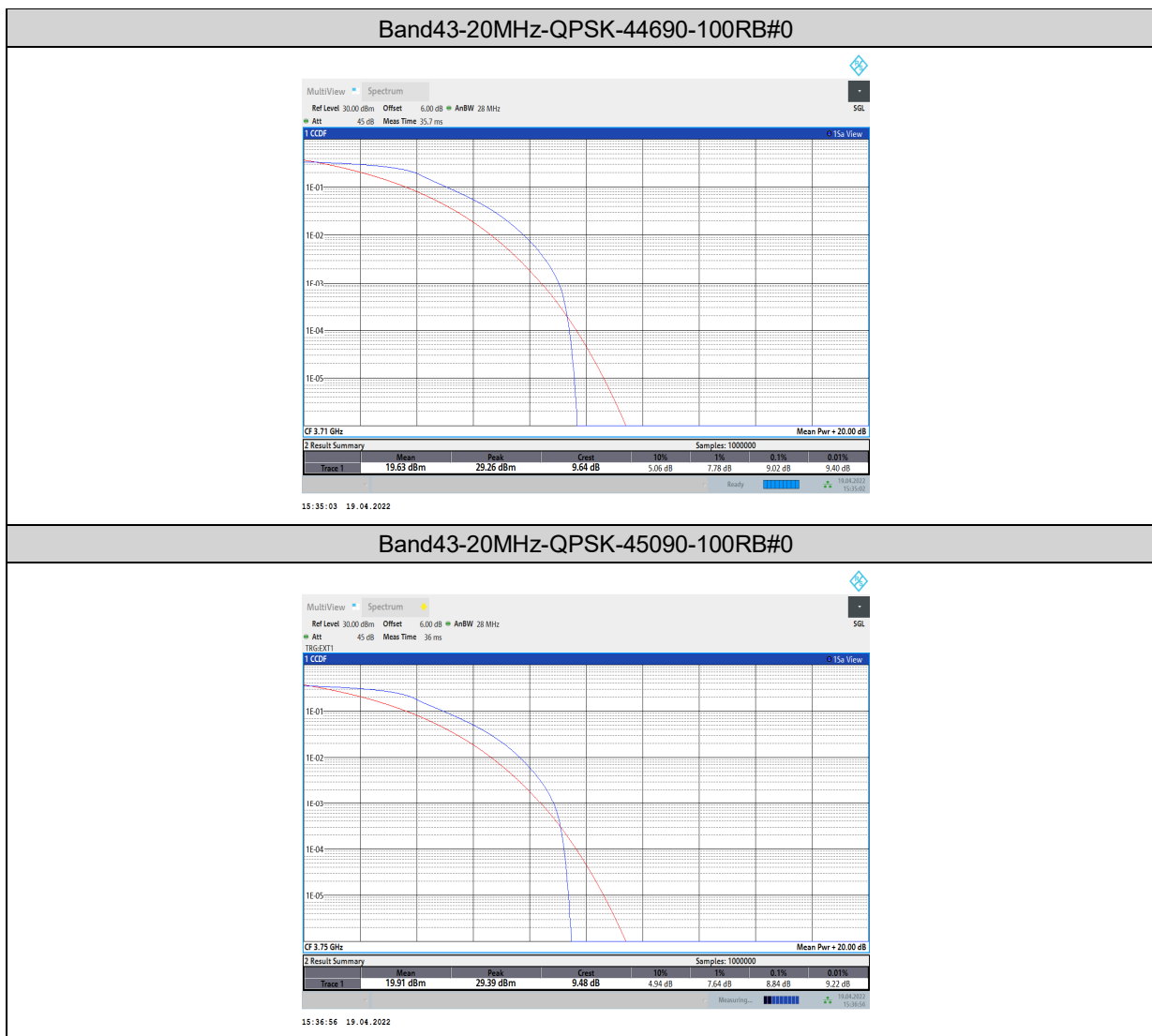
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Test Graphs



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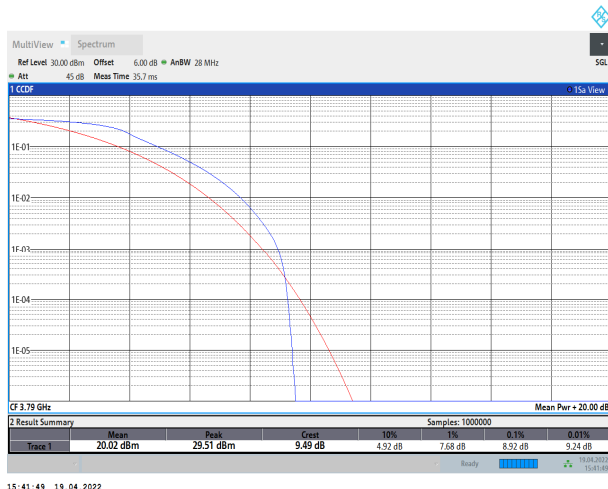
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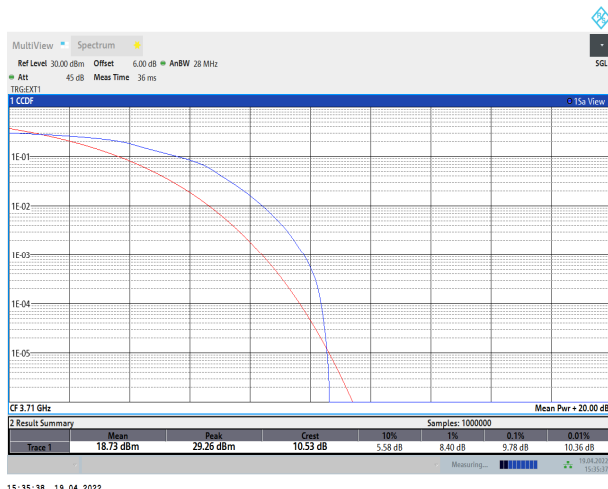
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Band43-20MHz-QPSK-45490-100RB#0



Band43-20MHz-16QAM-44690-100RB#0



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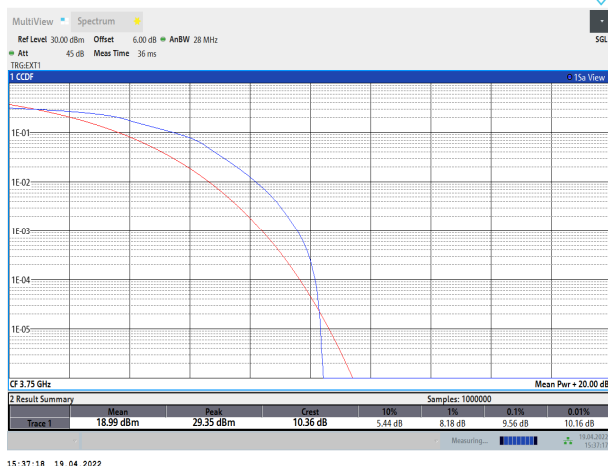
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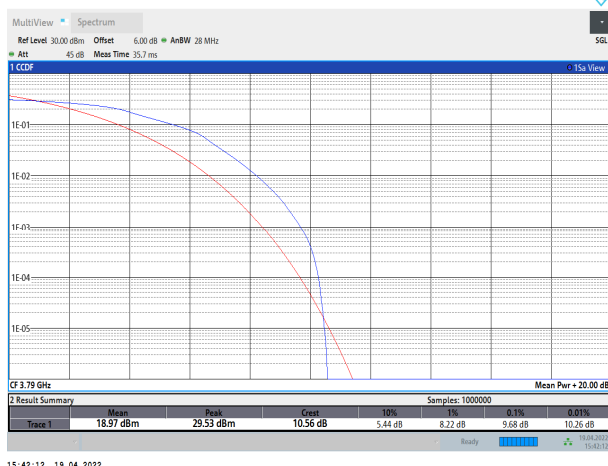
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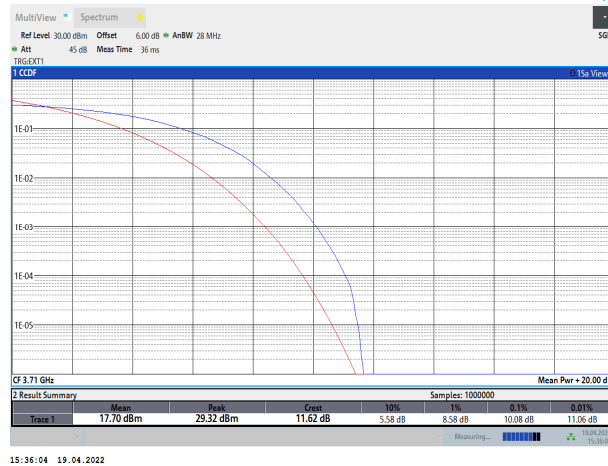


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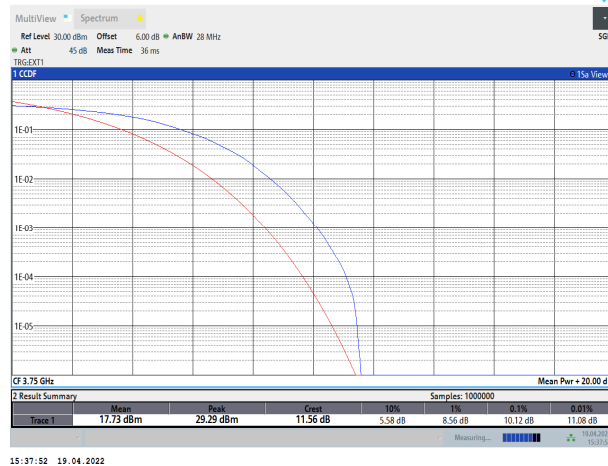
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Band43-20MHz-64QAM-44690-100RB#0



Band43-20MHz-64QAM-45090-100RB#0



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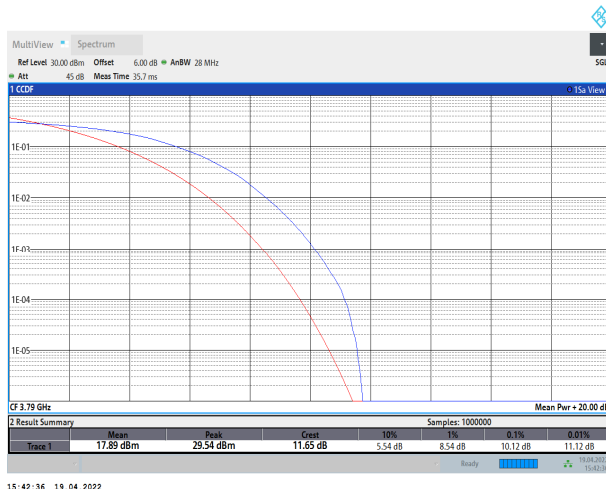
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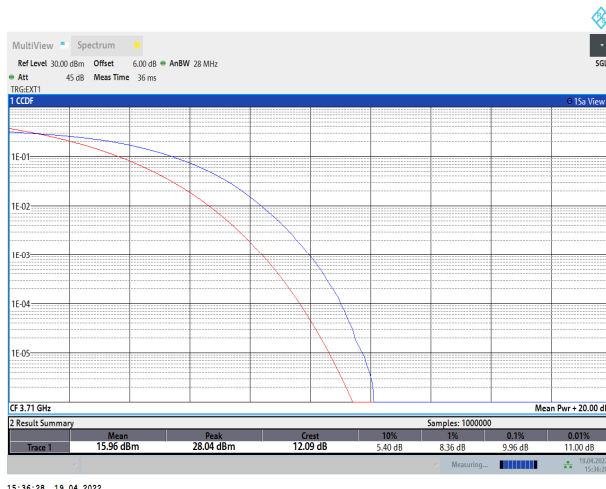
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Band43-20MHz-64QAM-45490-100RB#0



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Band43-20MHz-256QAM-44690-100RB#0



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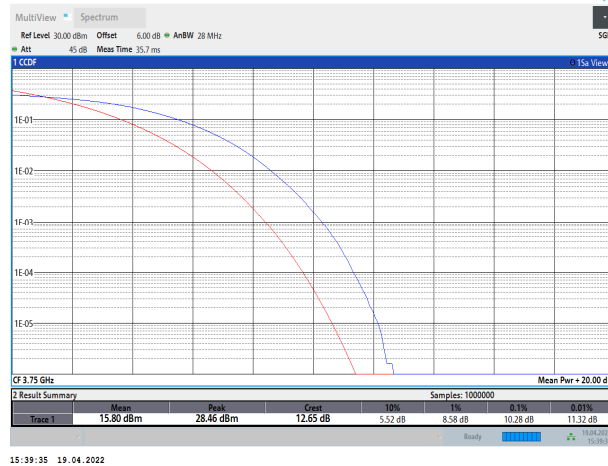
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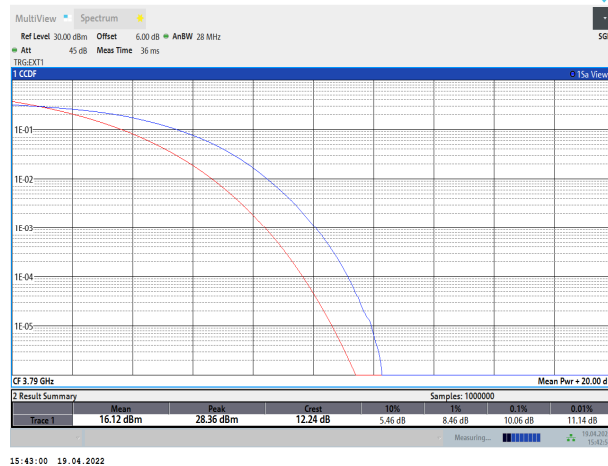
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Band43-20MHz-256QAM-45090-100RB#0



Band43-20MHz-256QAM-45490-100RB#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
Band43	5MHz	QPSK	44615	25RB#0	4.513	5.42	PASS
Band43	5MHz	QPSK	45090	25RB#0	4.512	5.35	PASS
Band43	5MHz	QPSK	45565	25RB#0	4.508	5.48	PASS
Band43	5MHz	16QAM	44615	25RB#0	4.518	5.52	PASS
Band43	5MHz	16QAM	45090	25RB#0	4.515	5.46	PASS
Band43	5MHz	16QAM	45565	25RB#0	4.518	5.55	PASS
Band43	5MHz	64QAM	44615	25RB#0	4.514	5.29	PASS
Band43	5MHz	64QAM	45090	25RB#0	4.520	5.80	PASS
Band43	5MHz	64QAM	45565	25RB#0	4.510	5.49	PASS
Band43	5MHz	256QAM	44615	25RB#0	4.513	5.47	PASS
Band43	5MHz	256QAM	45090	25RB#0	4.511	5.46	PASS
Band43	5MHz	256QAM	45565	25RB#0	4.518	5.38	PASS
Band43	10MHz	QPSK	44640	50RB#0	9.018	10.60	PASS
Band43	10MHz	QPSK	45090	50RB#0	9.014	10.70	PASS
Band43	10MHz	QPSK	45540	50RB#0	9.010	10.30	PASS
Band43	10MHz	16QAM	44640	50RB#0	9.009	10.90	PASS
Band43	10MHz	16QAM	45090	50RB#0	9.019	10.90	PASS
Band43	10MHz	16QAM	45540	50RB#0	9.010	10.53	PASS
Band43	10MHz	64QAM	44640	50RB#0	9.004	10.33	PASS
Band43	10MHz	64QAM	45090	50RB#0	8.993	10.57	PASS
Band43	10MHz	64QAM	45540	50RB#0	9.003	10.70	PASS
Band43	10MHz	256QAM	44640	50RB#0	9.000	10.77	PASS
Band43	10MHz	256QAM	45090	50RB#0	9.018	10.87	PASS
Band43	10MHz	256QAM	45540	50RB#0	9.018	10.50	PASS
Band43	15MHz	QPSK	44665	75RB#0	13.485	15.90	PASS
Band43	15MHz	QPSK	45090	75RB#0	13.499	15.45	PASS
Band43	15MHz	QPSK	45515	75RB#0	13.476	15.50	PASS
Band43	15MHz	16QAM	44665	75RB#0	13.479	15.45	PASS
Band43	15MHz	16QAM	45090	75RB#0	13.497	15.40	PASS





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Band43	15MHz	16QAM	45515	75RB#0	13.509	15.50	PASS
Band43	15MHz	64QAM	44665	75RB#0	13.482	16.20	PASS
Band43	15MHz	64QAM	45090	75RB#0	13.489	16.10	PASS
Band43	15MHz	64QAM	45515	75RB#0	13.501	15.75	PASS
Band43	15MHz	256QAM	44665	75RB#0	13.477	15.25	PASS
Band43	15MHz	256QAM	45090	75RB#0	13.510	16.35	PASS
Band43	15MHz	256QAM	45515	75RB#0	13.488	16.45	PASS
Band43	20MHz	QPSK	44690	100RB#0	18.031	21.60	PASS
Band43	20MHz	QPSK	45090	100RB#0	18.059	22.27	PASS
Band43	20MHz	QPSK	45490	100RB#0	18.095	21.07	PASS
Band43	20MHz	16QAM	44690	100RB#0	18.035	21.67	PASS
Band43	20MHz	16QAM	45090	100RB#0	18.067	20.93	PASS
Band43	20MHz	16QAM	45490	100RB#0	18.062	21.87	PASS
Band43	20MHz	64QAM	44690	100RB#0	18.051	22.60	PASS
Band43	20MHz	64QAM	45090	100RB#0	18.016	22.13	PASS
Band43	20MHz	64QAM	45490	100RB#0	18.043	23.33	PASS
Band43	20MHz	256QAM	44690	100RB#0	18.062	21.53	PASS
Band43	20MHz	256QAM	45090	100RB#0	18.019	23.13	PASS
Band43	20MHz	256QAM	45490	100RB#0	18.013	22.20	PASS



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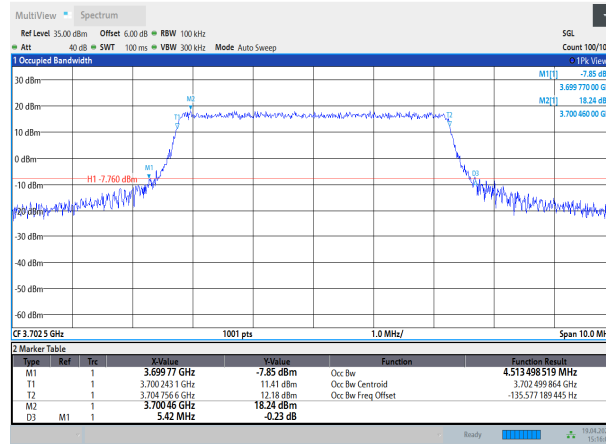
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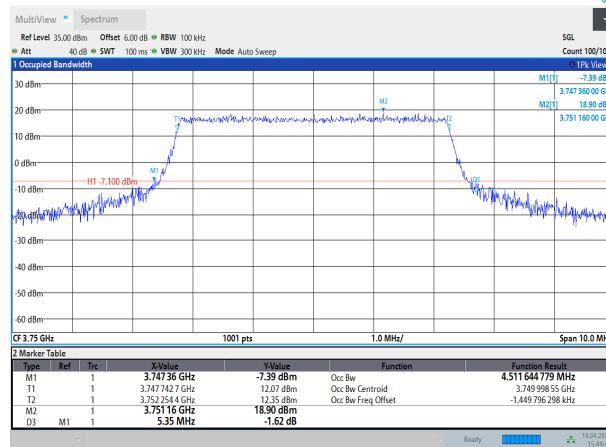
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Test Graphs

Band43-5MHz-QPSK-44615-25RB#0



Band43-5MHz-QPSK-45090-25RB#0



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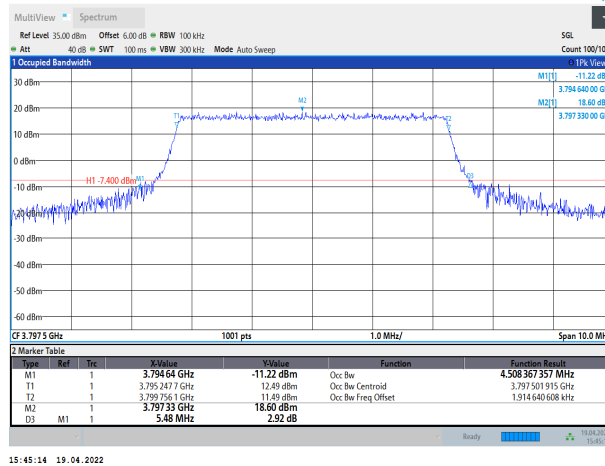
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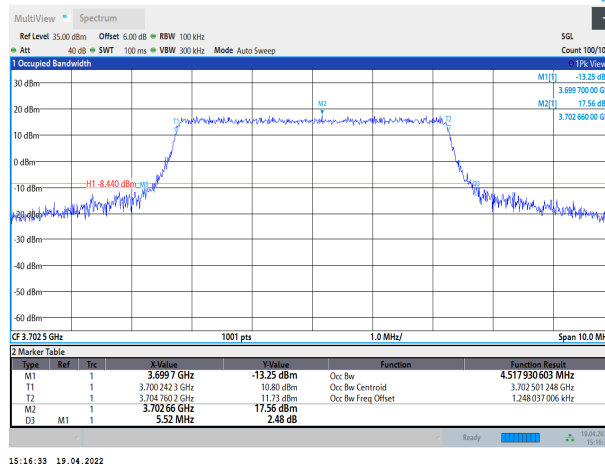
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Band43-5MHz-QPSK-45565-25RB#0



Band43-5MHz-16QAM-44615-25RB#0



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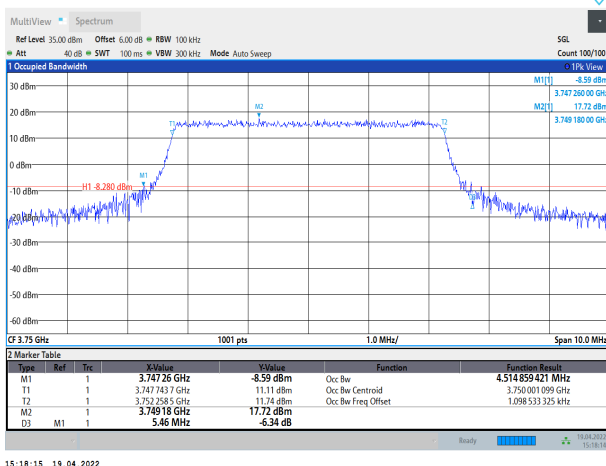
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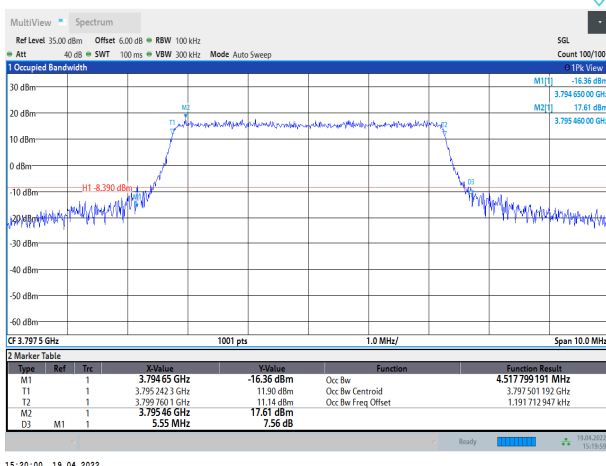
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Band43-5MHz-16QAM-45090-25RB#0



Band43-5MHz-16QAM-45565-25RB#0



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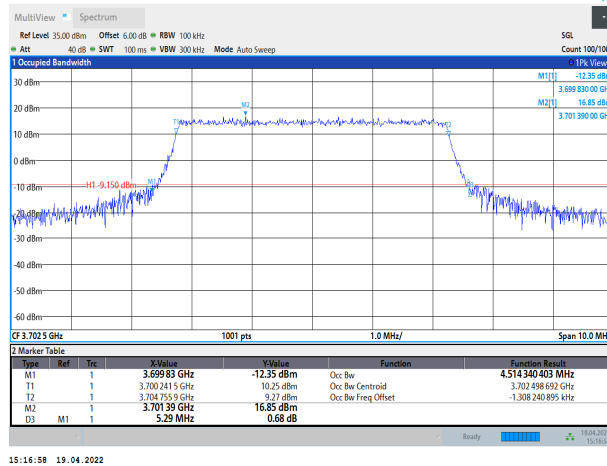
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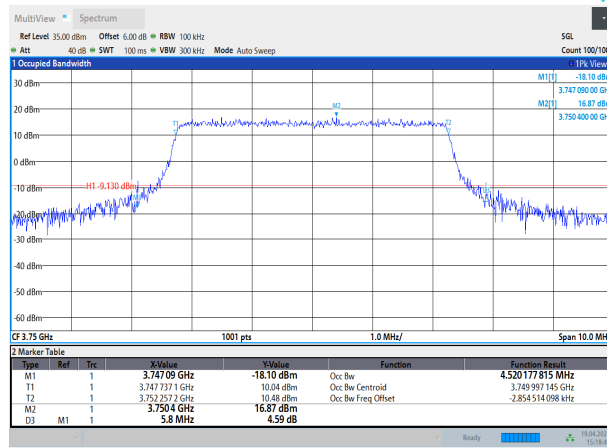
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Band43-5MHz-64QAM-44615-25RB#0



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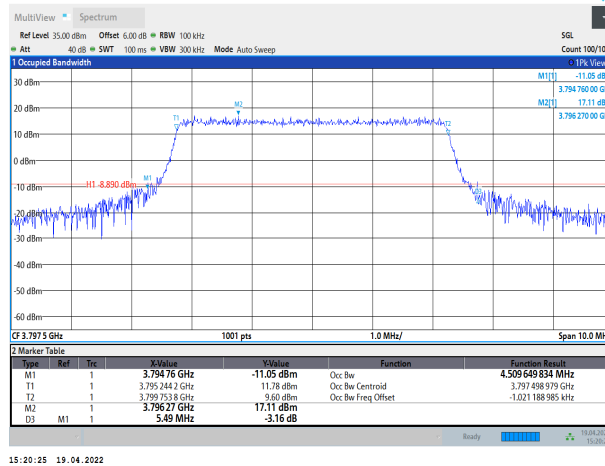
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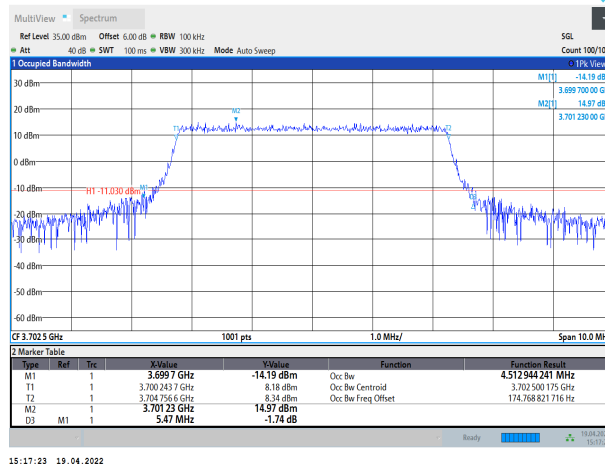
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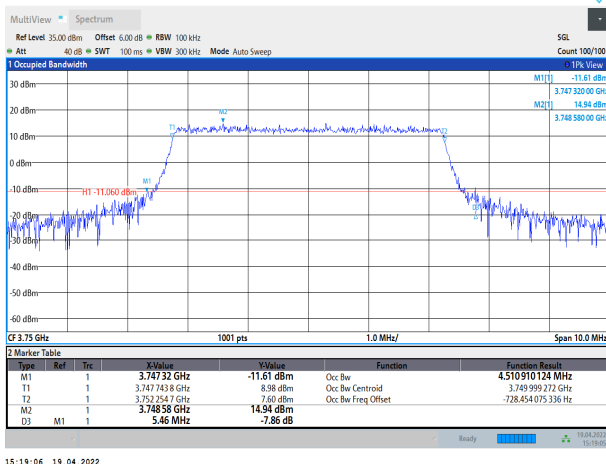
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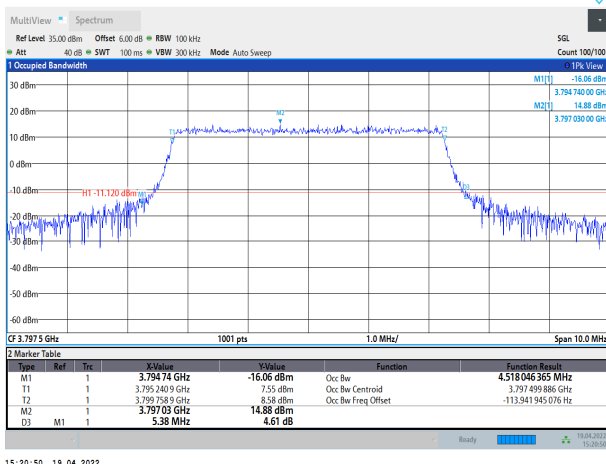
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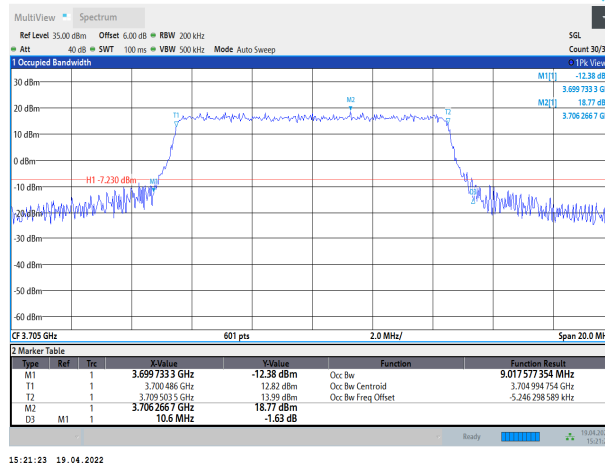
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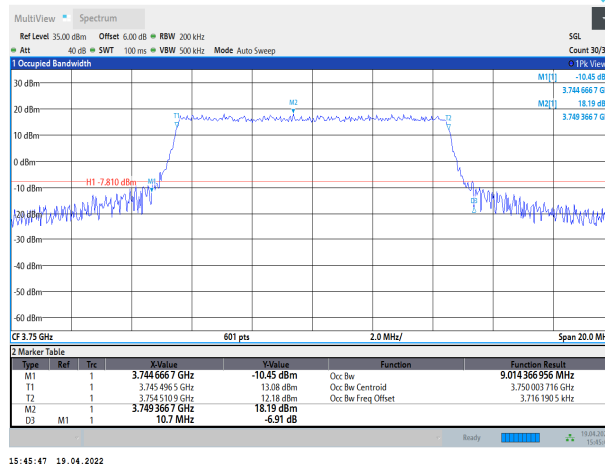
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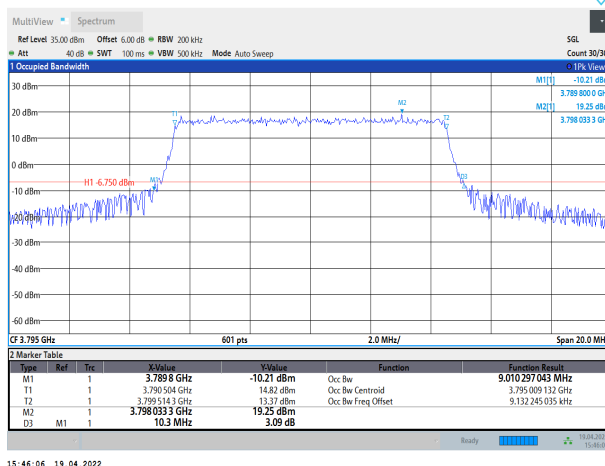
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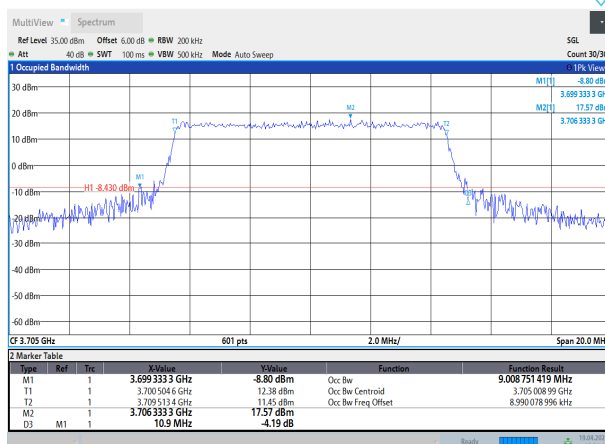
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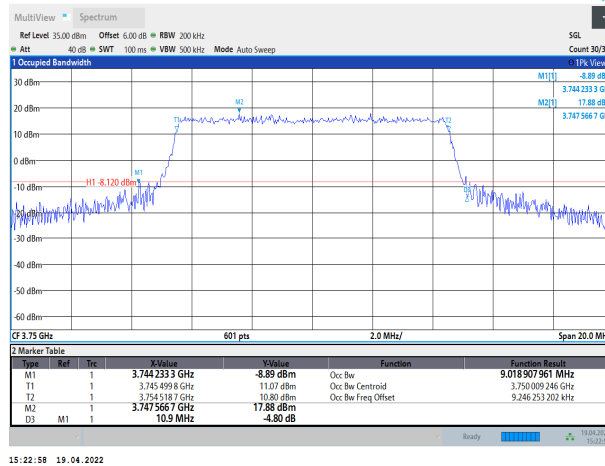
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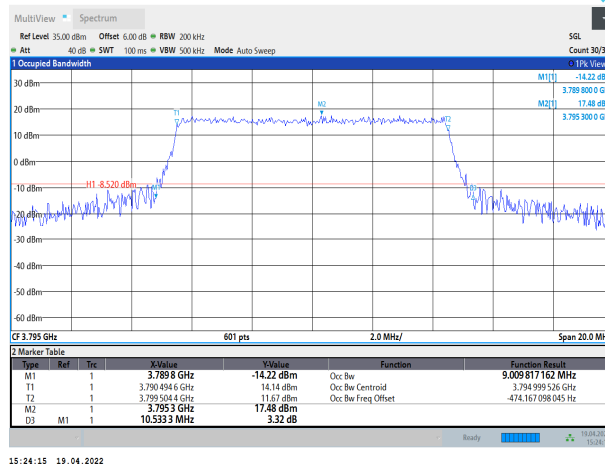
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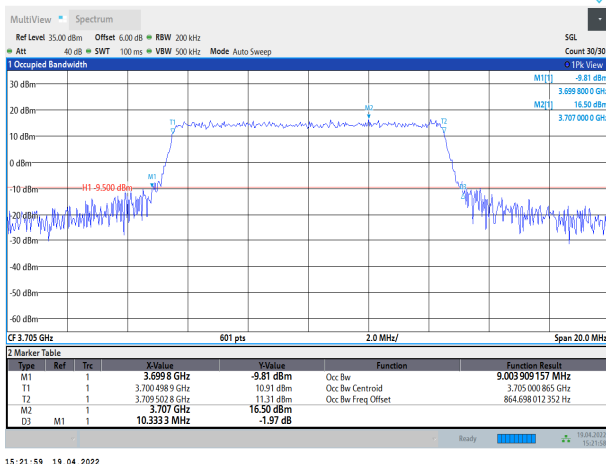
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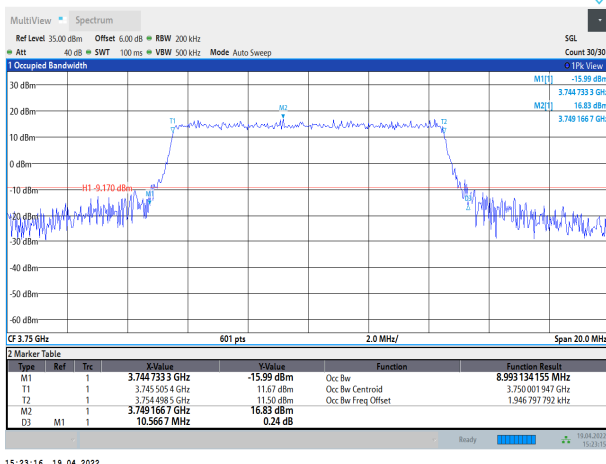
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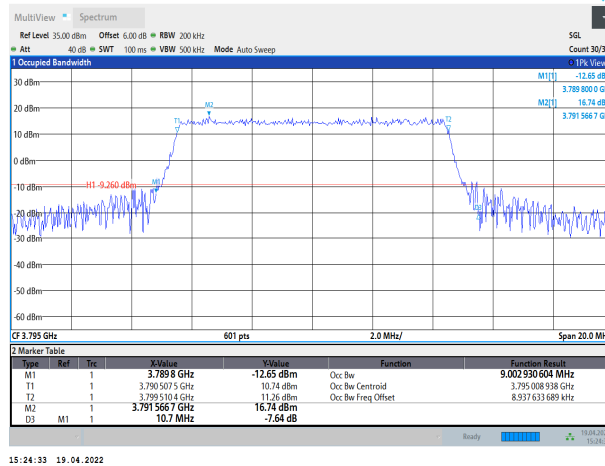
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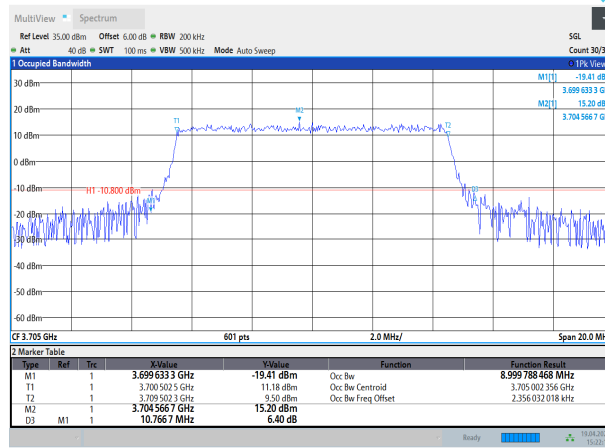
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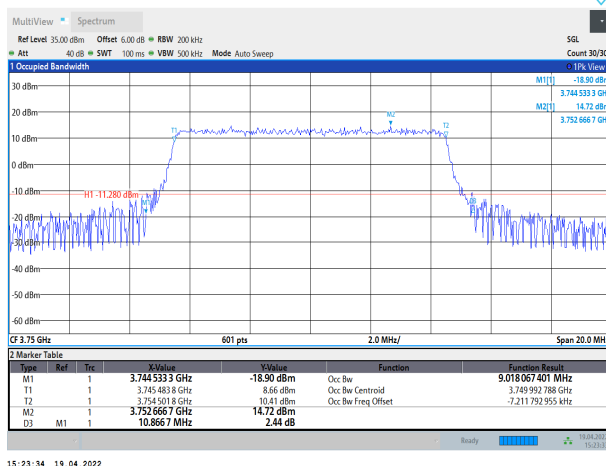
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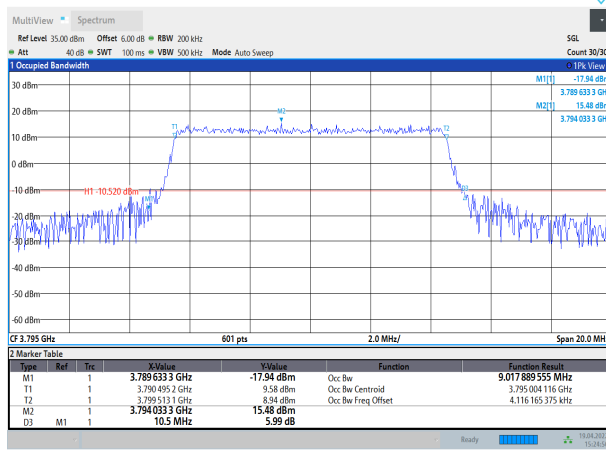
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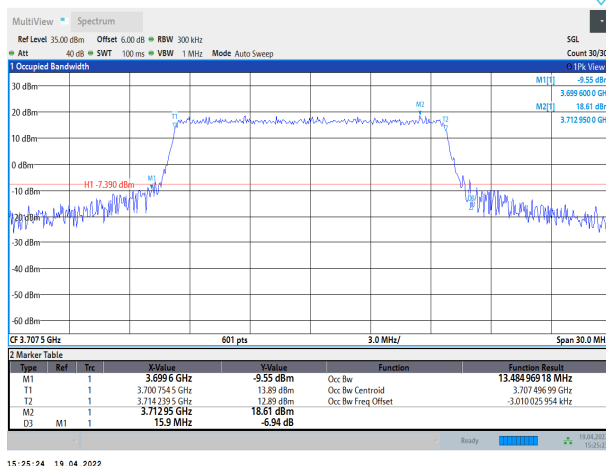
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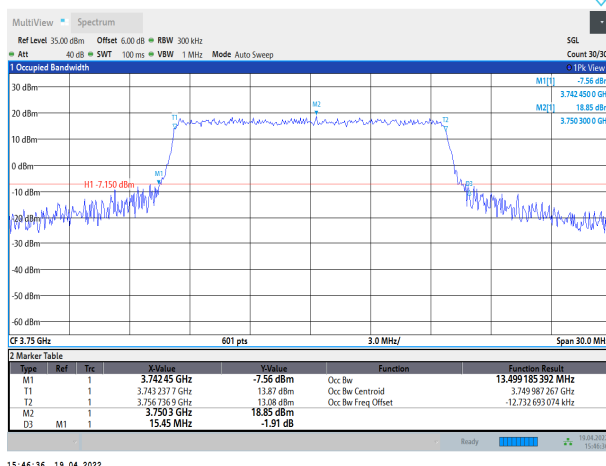


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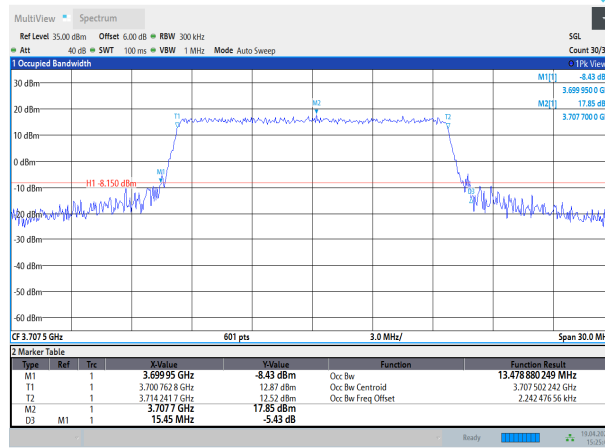
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Band43-15MHz-QPSK-45515-75RB#0



15:46:55 19.04.2022

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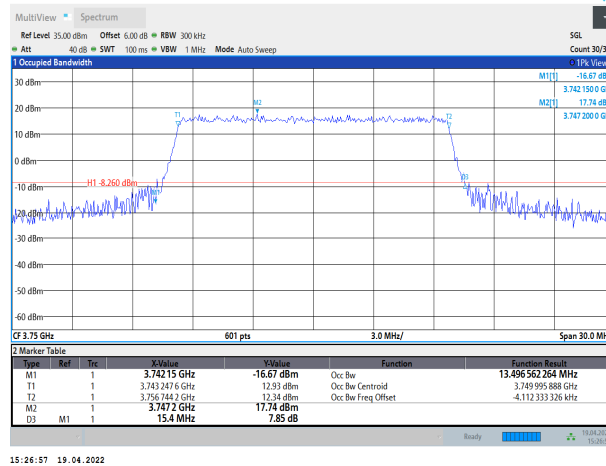
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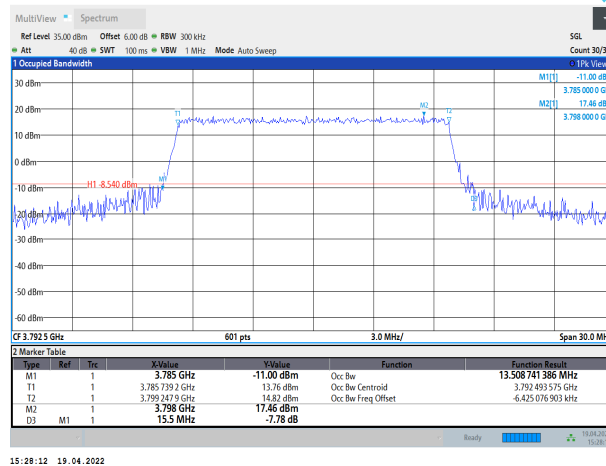
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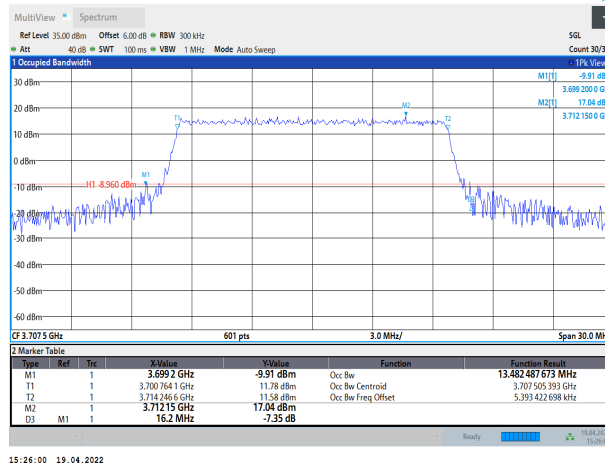
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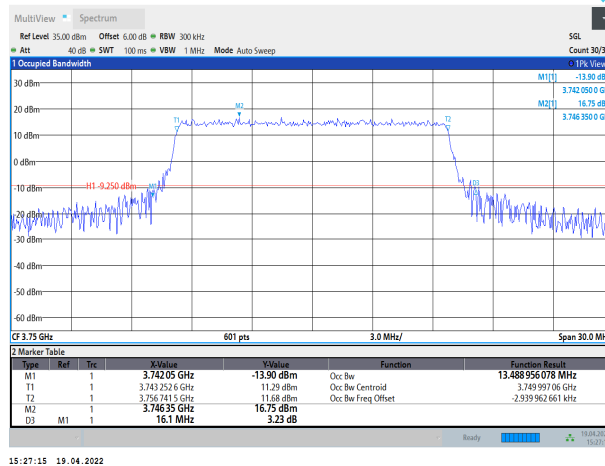
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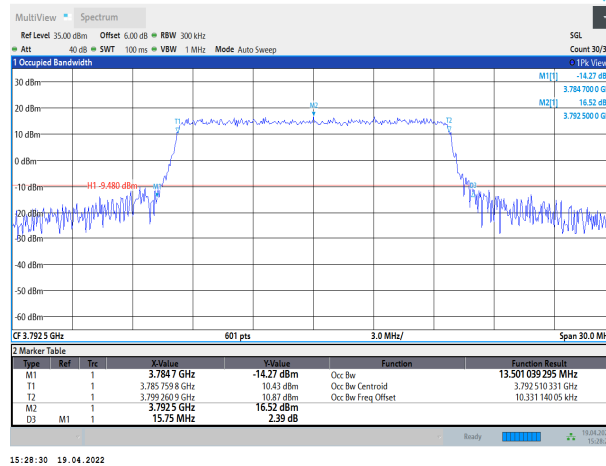
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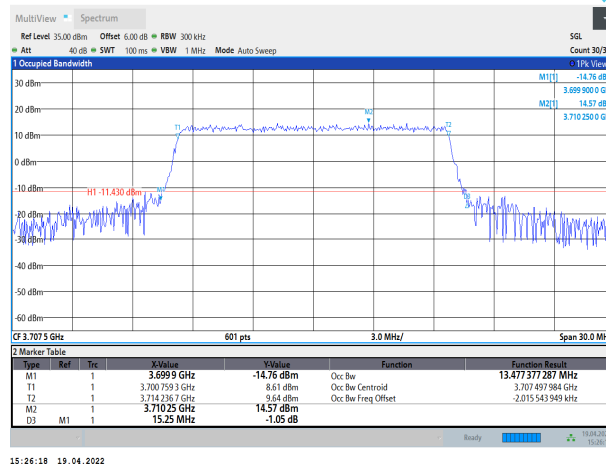
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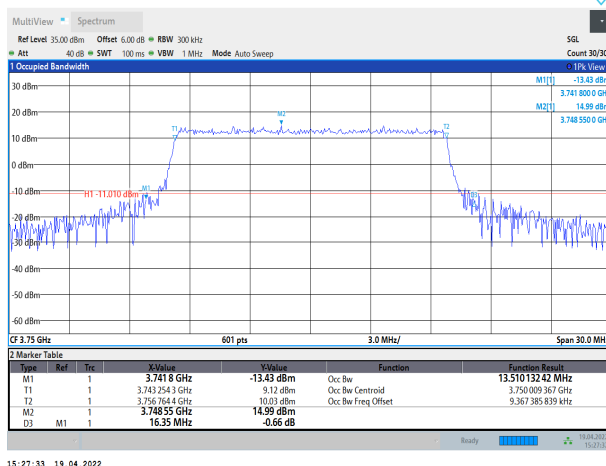
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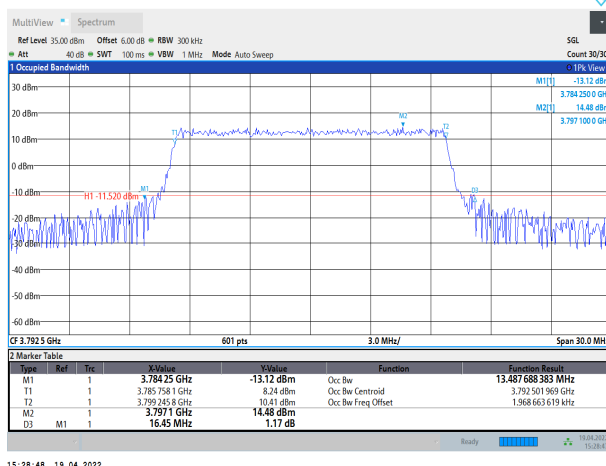
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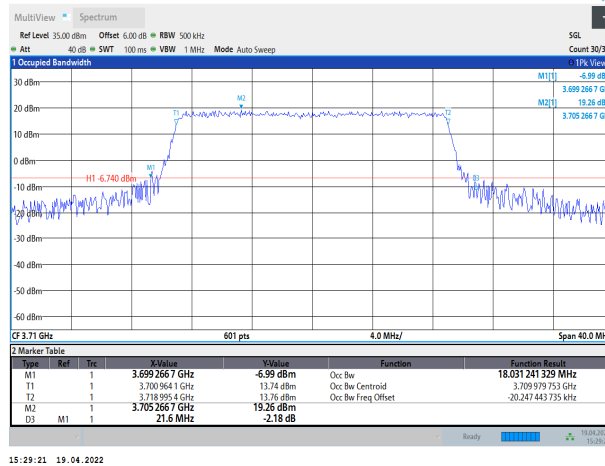
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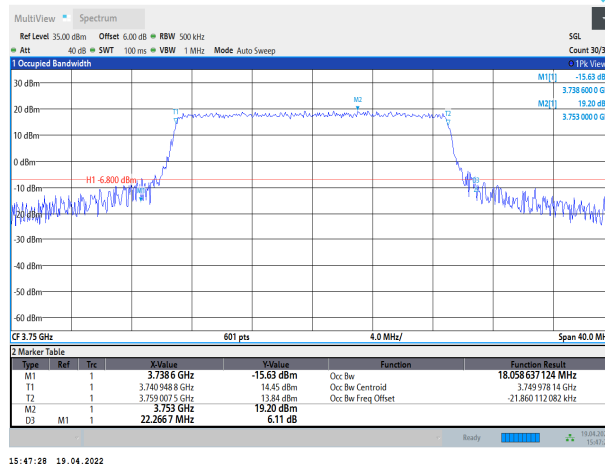
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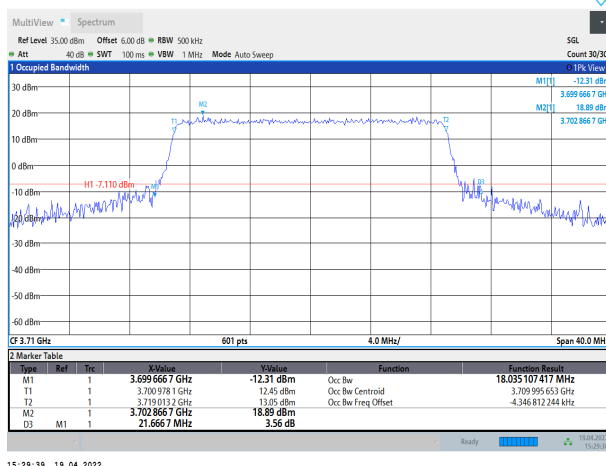
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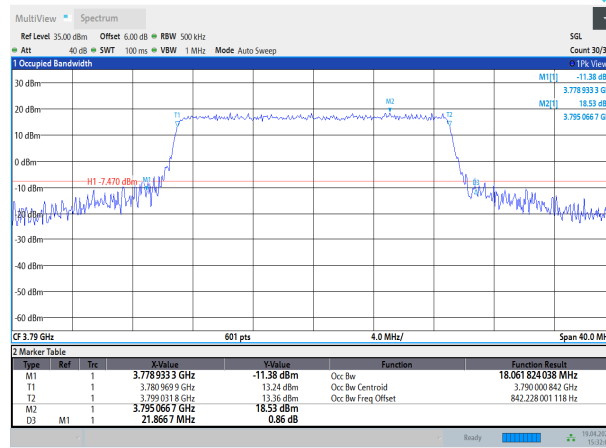
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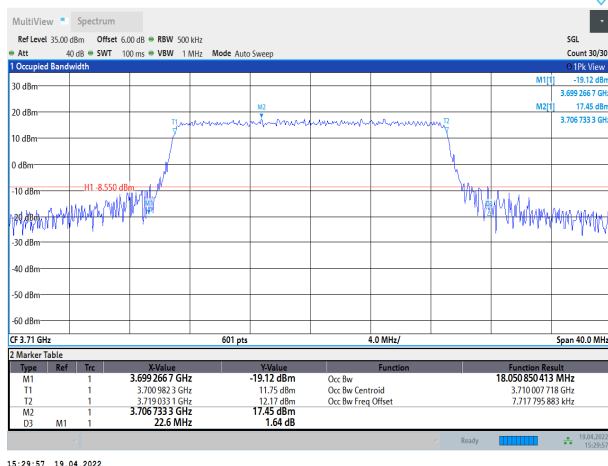
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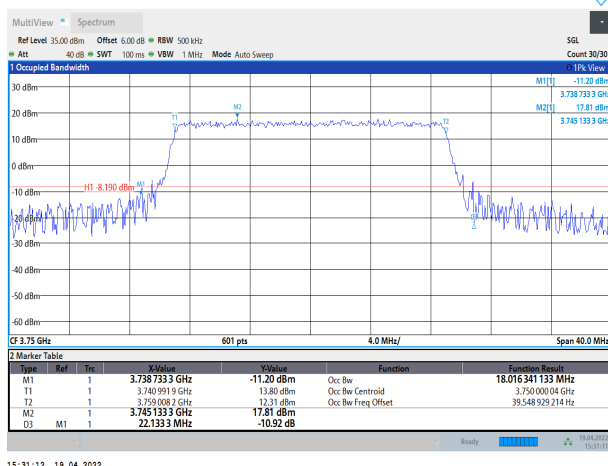
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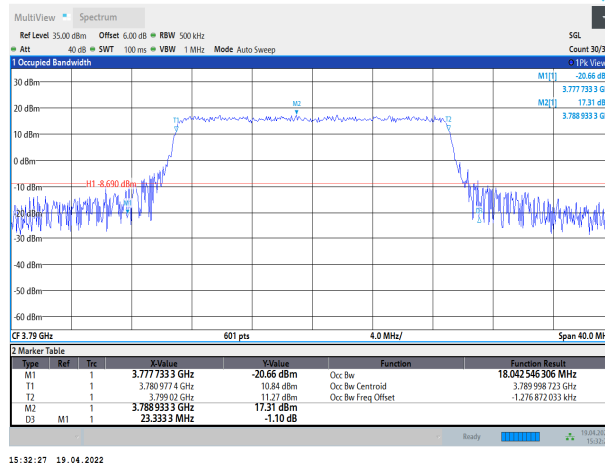
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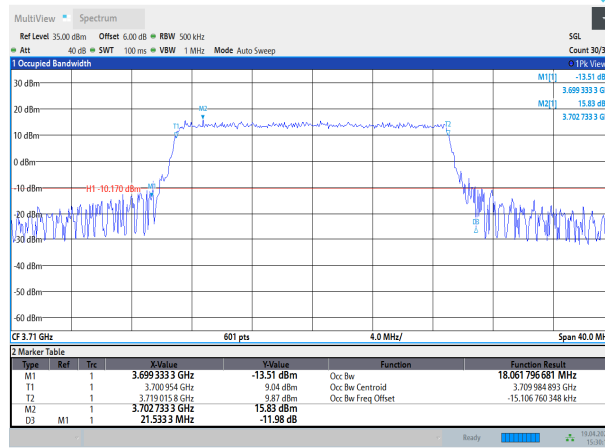
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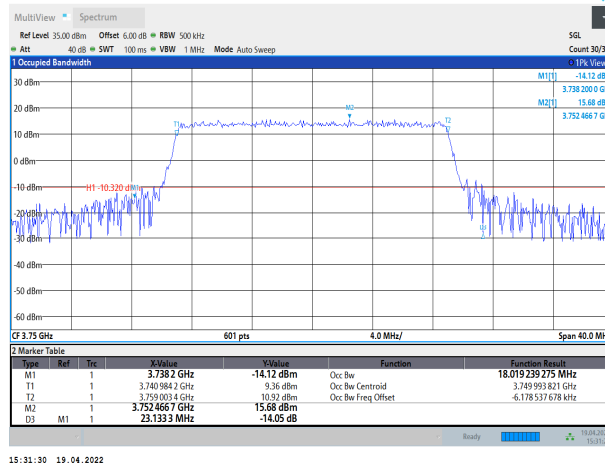
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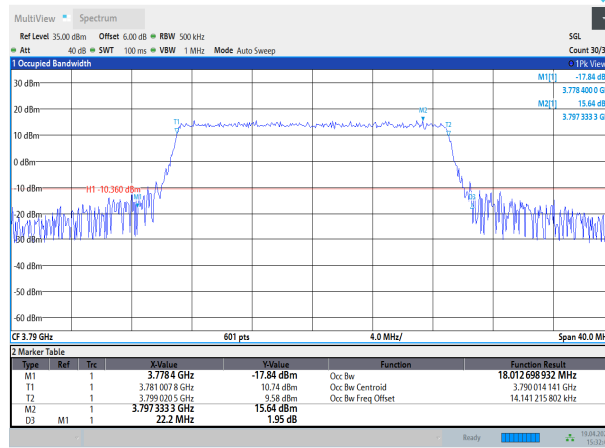
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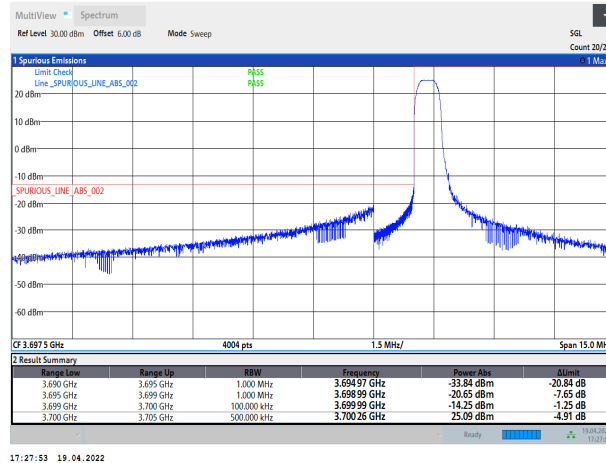
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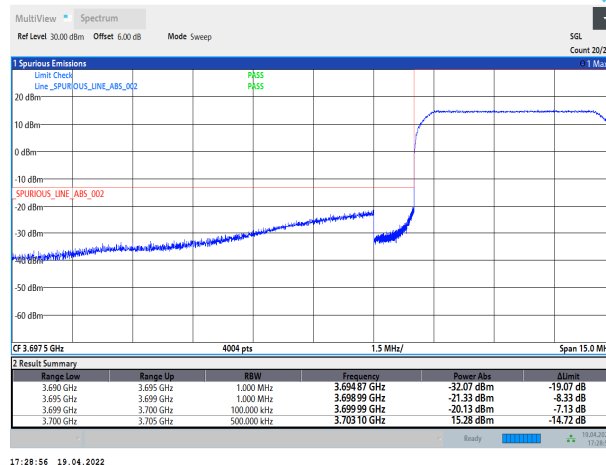
Band Edge

Test Graphs

Band43-5MHz-QPSK-44615-1RB#0



Band43-5MHz-QPSK-44615-25RB#0



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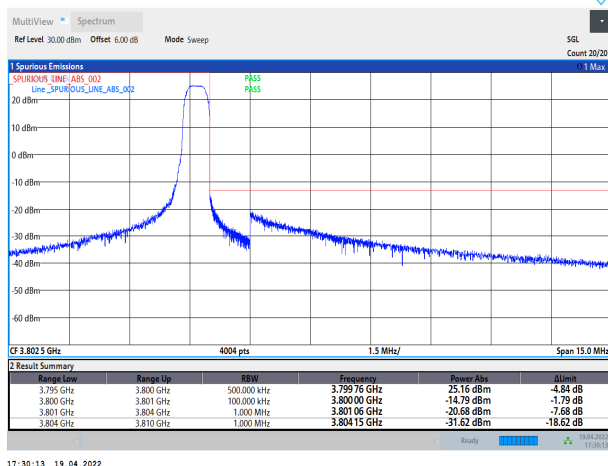
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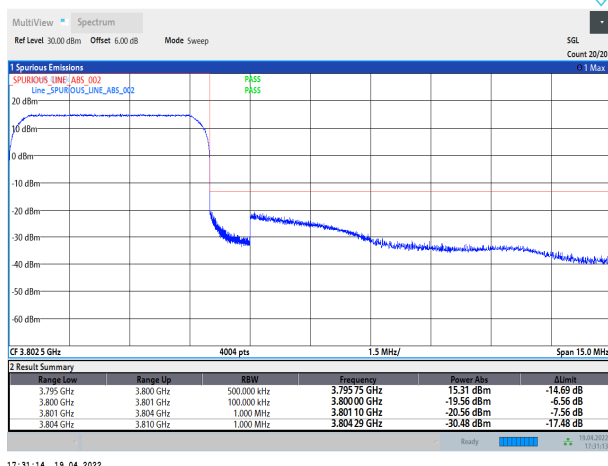
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Band43-5MHz-QPSK-45565-1RB#24



Band43-5MHz-QPSK-45565-25RB#0



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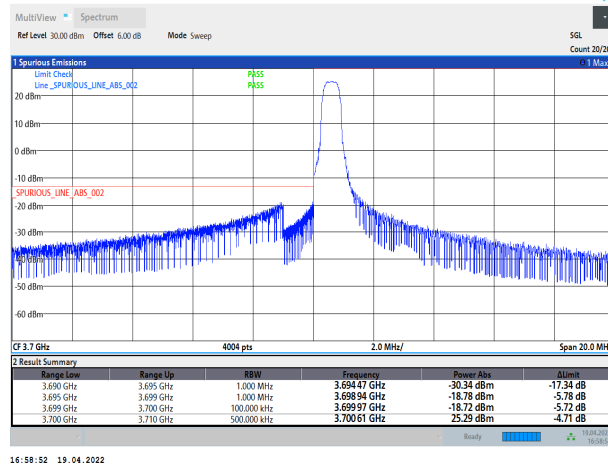
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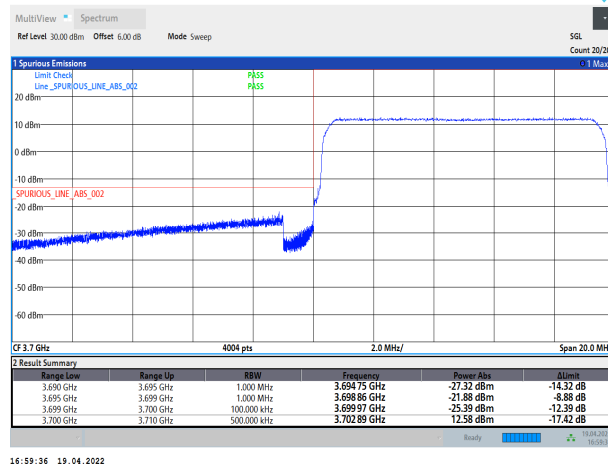
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Band43-10MHz-QPSK-44640-1RB#0



Band43-10MHz-QPSK-44640-50RB#0



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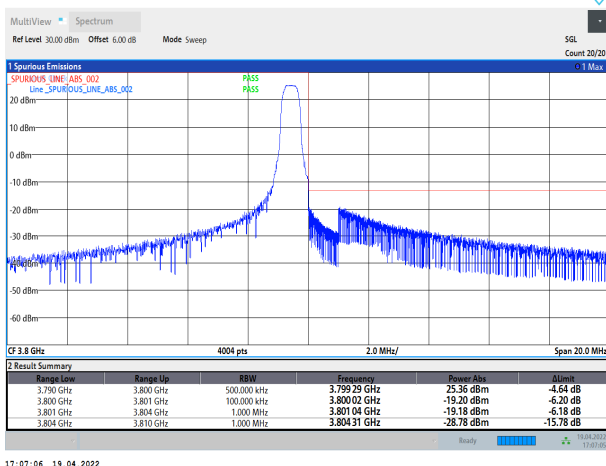
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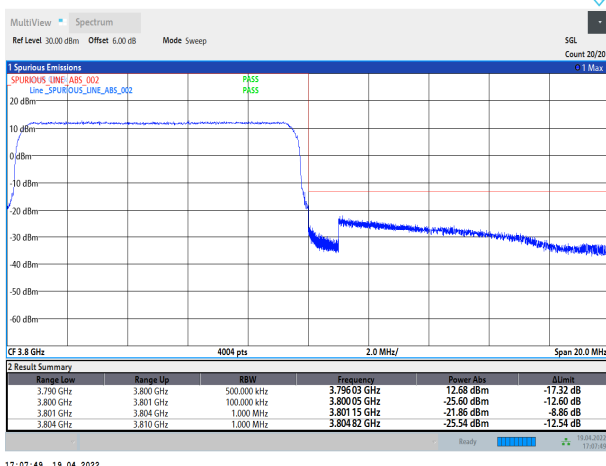
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Band43-10MHz-QPSK-45540-1RB#49



Band43-10MHz-QPSK-45540-50RB#0



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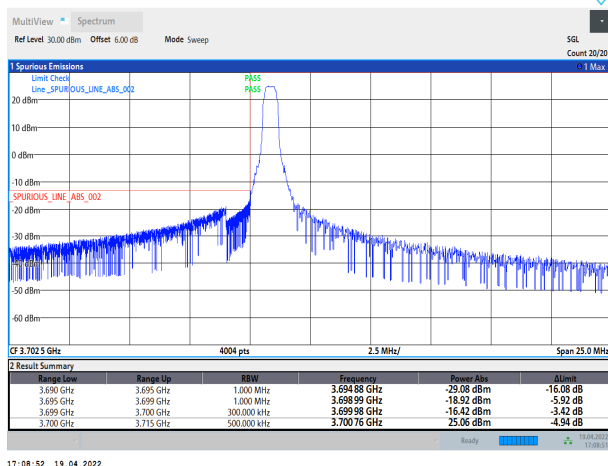
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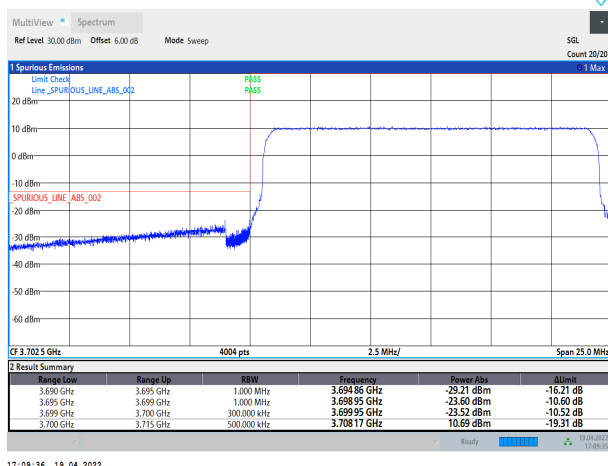
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Band43-15MHz-QPSK-44665-1RB#0



Band43-15MHz-QPSK-44665-75RB#0



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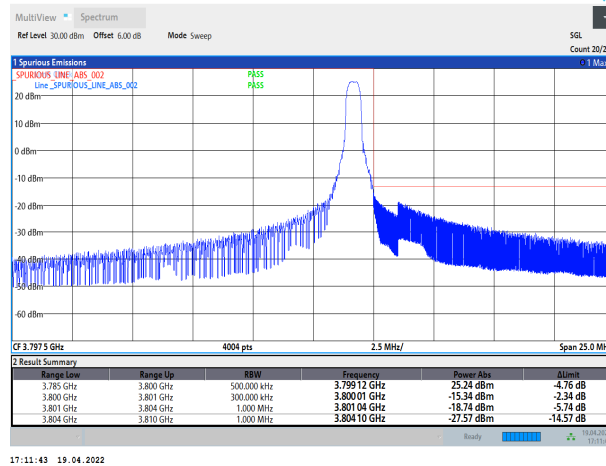
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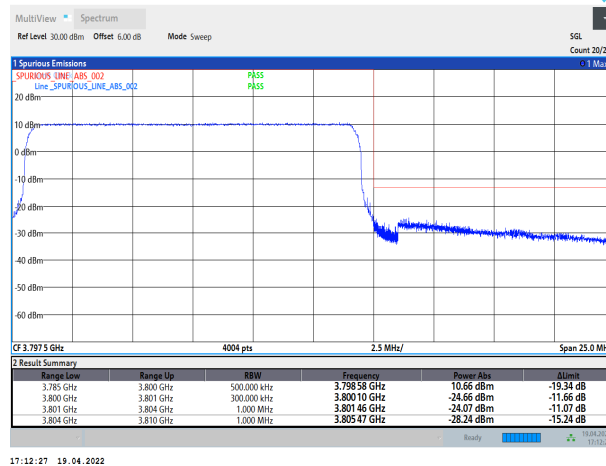
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Band43-15MHz-QPSK-45515-1RB#74



Band43-15MHz-QPSK-45515-75RB#0



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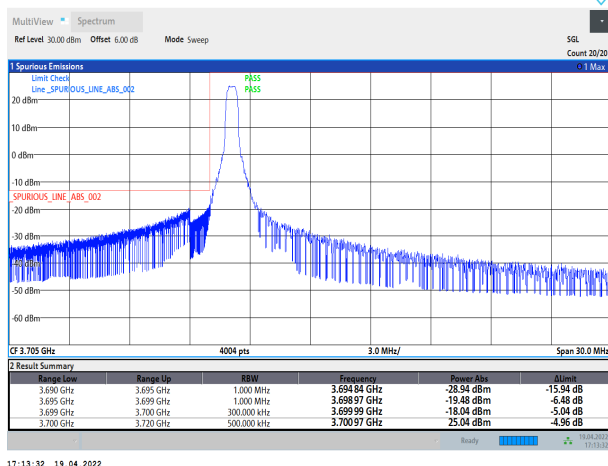
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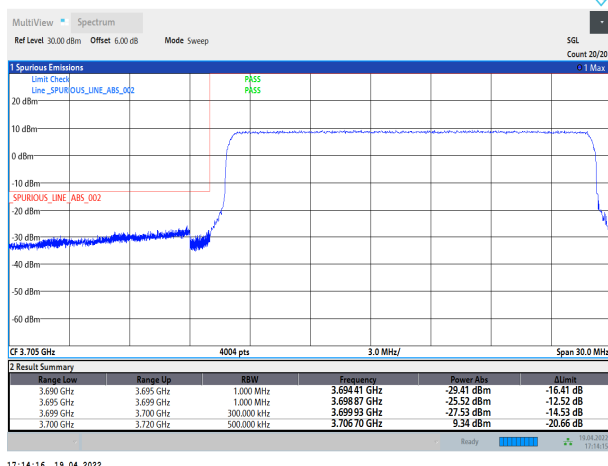
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Band43-20MHz-QPSK-44690-1RB#0



Band43-20MHz-QPSK-44690-100RB#0



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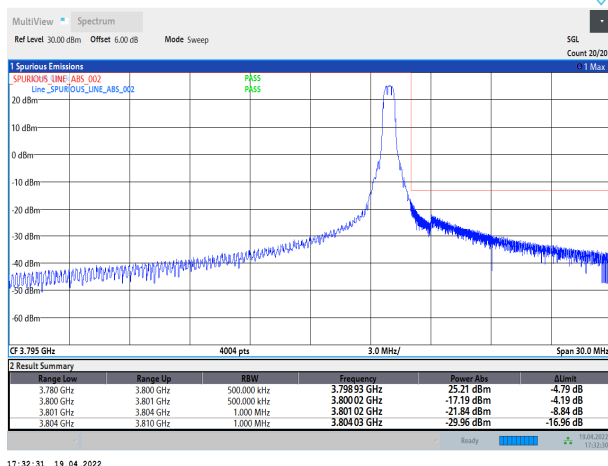
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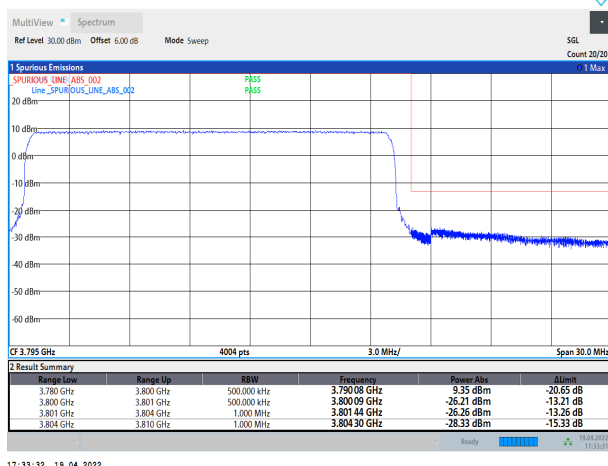
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Band43-20MHz-QPSK-45490-1RB#99



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Band43-20MHz-QPSK-45490-100RB#0



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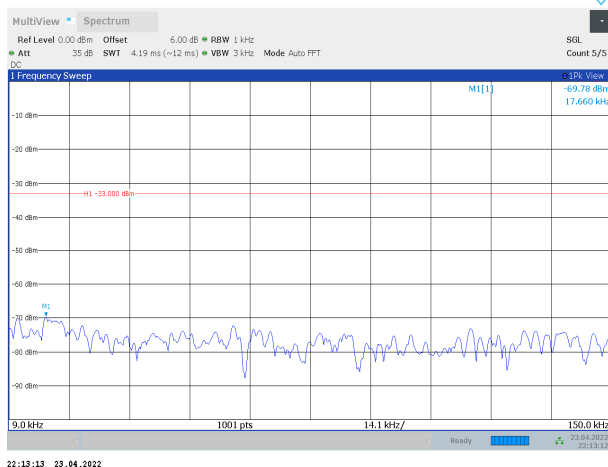
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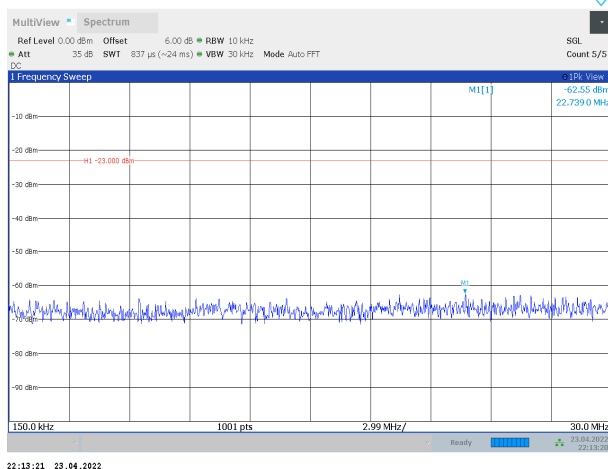
Conducted Spurious Emission

Test Graphs

Band43-20MHz-QPSK-44690-1RB#0-Range1:0.009~0.15MHz



Band43-20MHz-QPSK-44690-1RB#0-Range2:0.15~30MHz



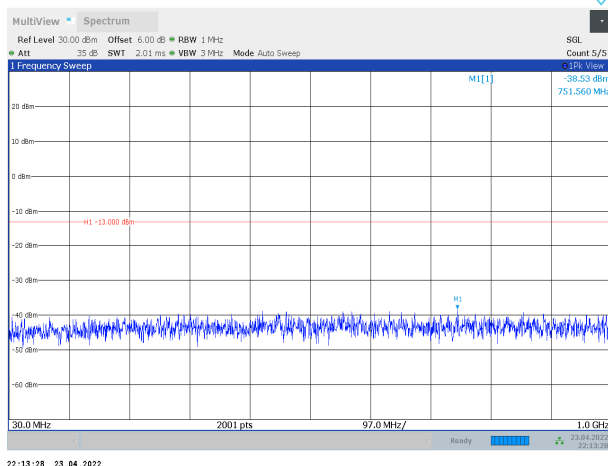
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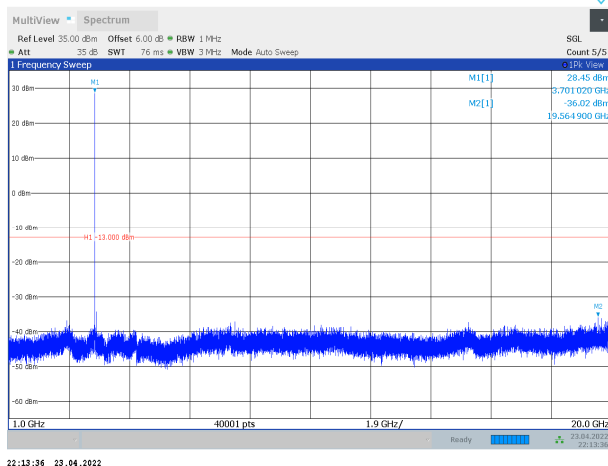
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Band43-20MHz-QPSK-44690-1RB#0-Range3:30~1000MHz



Band43-20MHz-QPSK-44690-1RB#0-Range4:1000~20000MHz



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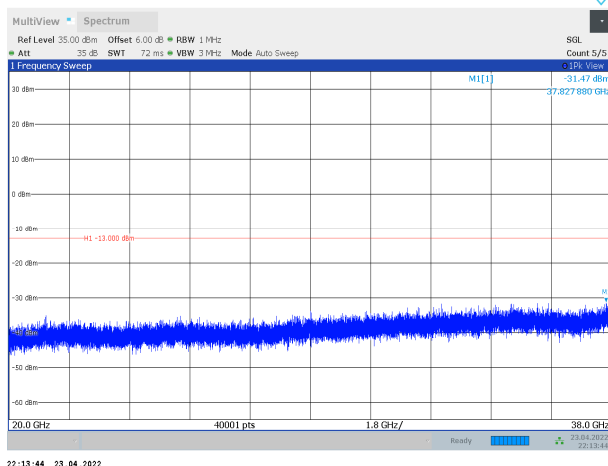
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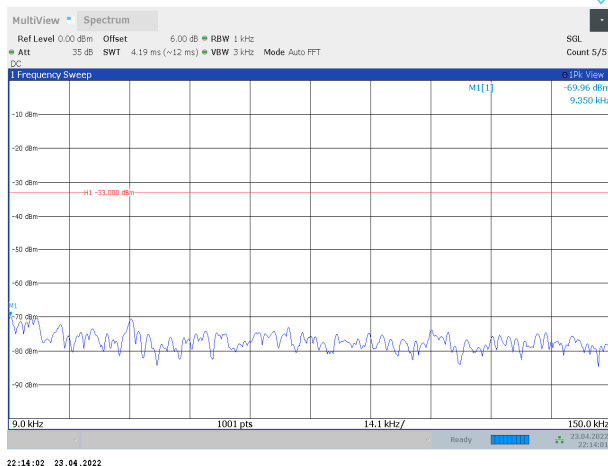
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Band43-20MHz-QPSK-44690-1RB#0-Range5:20000~38000MHz



Band43-20MHz-QPSK-45090-1RB#0-Range1:0.009~0.15MHz



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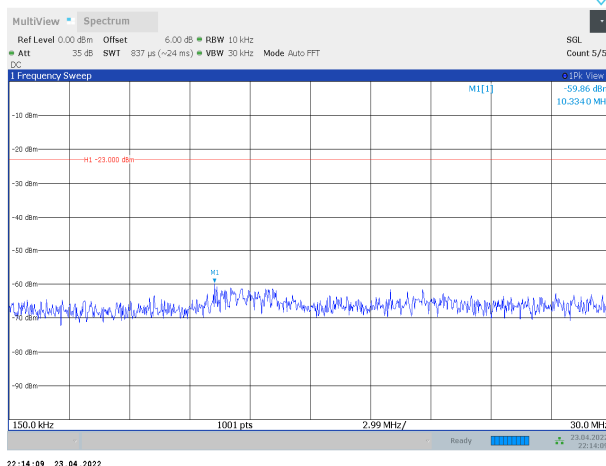
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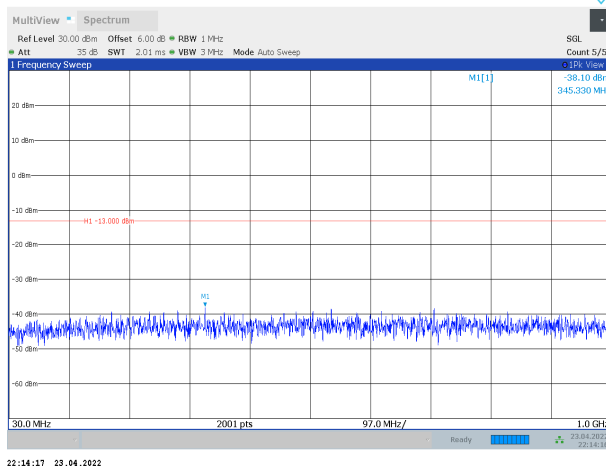
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Band43-20MHz-QPSK-45090-1RB#0-Range2:0.15~30MHz



Band43-20MHz-QPSK-45090-1RB#0-Range3:30~1000MHz



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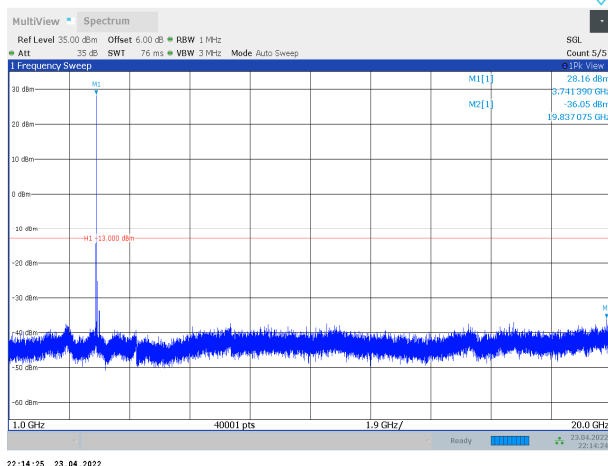
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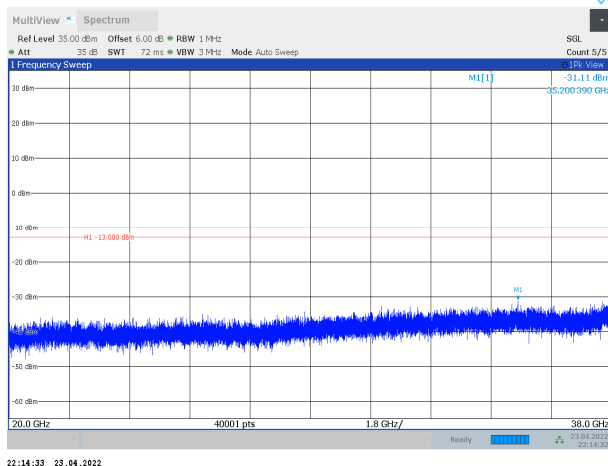
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Band43-20MHz-QPSK-45090-1RB#0-Range4:1000~20000MHz



Band43-20MHz-QPSK-45090-1RB#0-Range5:20000~38000MHz



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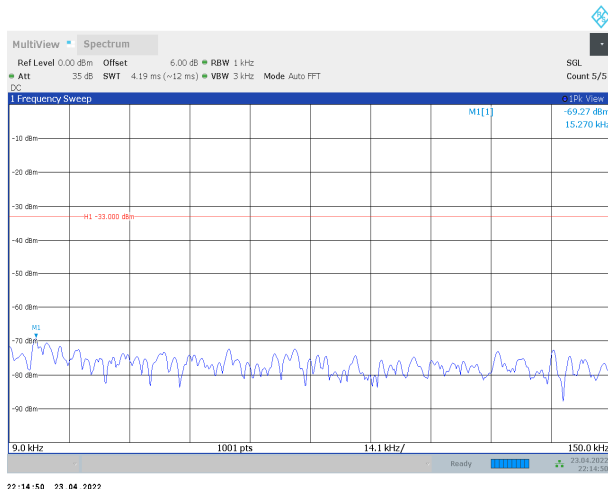
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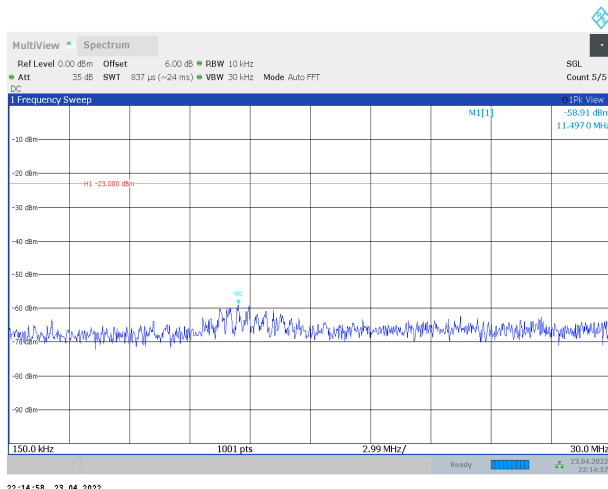
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Band43-20MHz-QPSK-45490-1RB#0-Range1:0.009~0.15MHz



Band43-20MHz-QPSK-45490-1RB#0-Range2:0.15~30MHz



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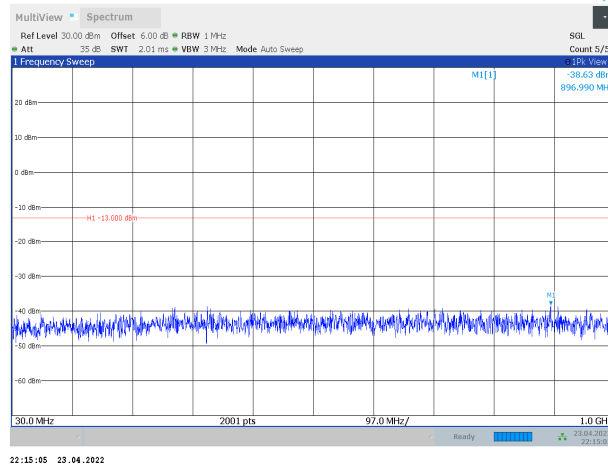
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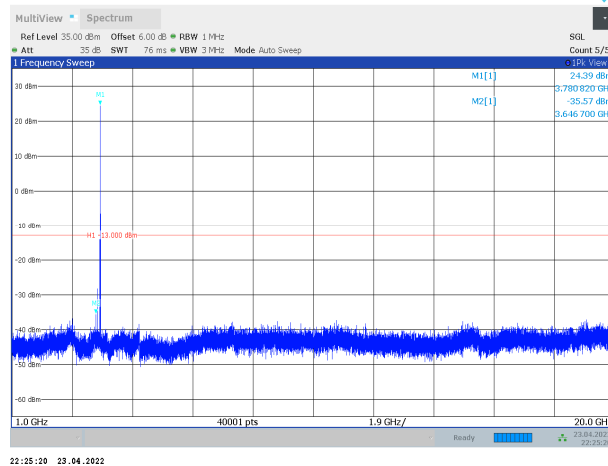
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Band43-20MHz-QPSK-45490-1RB#0-Range3:30~1000MHz



Band43-20MHz-QPSK-45490-1RB#0-Range4:1000~20000MHz



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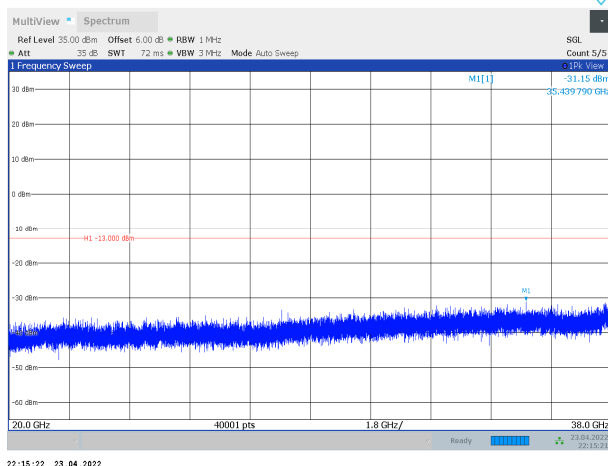


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Band43-20MHz-QPSK-45490-1RB#0-Range5:20000~38000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 43 3700-3800_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7689.7708	43.87	-45.11	36.57	-59.93	-13.00	46.93	Horizontal
2	8861.8125	42.43	-43.67	37.41	-59.09	-13.00	46.09	Horizontal
3	10777.5208	39.76	-40.53	39.20	-56.83	-13.00	43.83	Horizontal
4	12422.5	37.83	-38.42	38.95	-56.91	-13.00	43.91	Horizontal
5	14178.1667	37.46	-38.28	40.76	-55.32	-13.00	42.32	Horizontal
6	17880.2083	35.55	-37.41	44.53	-52.59	-13.00	39.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7856.5208	43.43	-44.94	36.37	-60.40	-13.00	47.40	Vertical
2	9465.5625	41.91	-42.71	38.02	-58.04	-13.00	45.04	Vertical
3	11381.75	38.86	-39.85	39.32	-56.92	-13.00	43.92	Vertical
4	13921.8125	37.77	-38.51	40.72	-55.28	-13.00	42.28	Vertical
5	14761.7917	37.17	-37.78	40.29	-55.58	-13.00	42.58	Vertical
6	17961.6667	36.77	-37.09	45.05	-50.52	-13.00	37.52	Vertical



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Test Band = LTE Band 43 3700-3800_ TM1
Test Channel = Mid Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7392.2083	44.03	-45.60	36.54	-60.28	-13.00	47.28	Horizontal
2	8754	42.02	-43.78	37.26	-59.77	-13.00	46.77	Horizontal
3	10780.875	39.53	-40.52	39.20	-57.05	-13.00	44.05	Horizontal
4	12076.0625	38.59	-39.20	39.15	-56.71	-13.00	43.71	Horizontal
5	14185.8333	37.88	-38.23	40.75	-54.86	-13.00	41.86	Horizontal
6	17962.1458	36.50	-37.09	45.06	-50.79	-13.00	37.79	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7684.5	43.43	-45.10	36.58	-60.35	-13.00	47.35	Vertical
2	8758.7917	42.50	-43.79	37.26	-59.29	-13.00	46.29	Vertical
3	10297.875	39.76	-41.10	38.77	-57.83	-13.00	44.83	Vertical
4	12084.2083	39.03	-39.27	39.15	-56.35	-13.00	43.35	Vertical
5	13904.0833	37.99	-38.37	40.68	-54.96	-13.00	41.96	Vertical
6	17911.8333	36.31	-37.23	44.74	-51.44	-13.00	38.44	Vertical



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Test Band = LTE Band 43 3700-3800_ TM1**Test Channel = High Channel****Final Data List**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7686.4167	43.86	-45.10	36.58	-59.93	-13.00	46.93	Horizontal
2	9325.6458	42.08	-42.91	37.89	-58.19	-13.00	45.19	Horizontal
3	10764.5833	39.61	-40.58	39.19	-57.04	-13.00	44.04	Horizontal
4	12065.0417	38.61	-39.11	39.16	-56.60	-13.00	43.60	Horizontal
5	13840.3542	37.87	-38.45	40.53	-55.30	-13.00	42.30	Horizontal
6	17631.5208	36.60	-37.08	42.94	-52.79	-13.00	39.79	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7866.5833	43.97	-44.95	36.36	-59.88	-13.00	46.88	Vertical
2	8812.9375	42.46	-43.82	37.34	-59.28	-13.00	46.28	Vertical
3	9909.75	40.36	-41.80	38.42	-58.28	-13.00	45.28	Vertical
4	12021.4375	38.11	-38.74	39.19	-56.70	-13.00	43.70	Vertical
5	13713.8542	37.86	-38.03	40.24	-55.19	-13.00	42.19	Vertical
6	17839	35.85	-37.72	44.27	-52.86	-13.00	39.86	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
Band43	20MHz	QPSK	45090	100RB#0	VL	NT	-1.70	-0.000453	PASS
Band43	20MHz	QPSK	45090	100RB#0	VN	NT	0.80	0.000213	PASS
Band43	20MHz	QPSK	45090	100RB#0	VH	NT	1.40	0.000373	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	45090	100RB#0	NV	-30	-0.70	-0.000187	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	-20	-0.60	-0.000160	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	0	2.90	0.000773	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	10	-1.90	-0.000507	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	20	-1.30	-0.000347	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	30	1.40	0.000373	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	40	-1.00	-0.000267	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	50	0.50	0.000133	PASS

---End of Attachment---



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