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Appendix B.13

LTE Band 25



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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
Band25	1.4MHz	QPSK	26047	1RB#0	22.40	24.36	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.56	24.52	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.38	24.34	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.51	23.47	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.61	24.57	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.72	24.68	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.58	24.54	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.66	23.62	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.79	24.75	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.97	24.93	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.85	24.81	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.88	23.84	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.45	23.41	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.64	23.60	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.48	23.44	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.33	22.29	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.49	23.45	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.68	23.64	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.47	23.43	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	20.63	22.59	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.72	23.68	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.91	23.87	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.71	23.67	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.81	22.77	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.39	24.35	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.41	24.37	33.00	PASS



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Band25	3MHz	QPSK	26055	1RB#14	22.32	24.28	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	21.35	23.31	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.60	24.56	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	22.63	24.59	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.62	24.58	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	21.59	23.55	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.73	24.69	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.77	24.73	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.78	24.74	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.74	23.70	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.54	23.50	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.47	23.43	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.46	23.42	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.30	22.26	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.75	23.71	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.71	23.67	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.68	23.64	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	20.50	22.46	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.61	23.57	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.64	23.60	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.68	23.64	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.59	22.55	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.38	24.34	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	22.45	24.41	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.33	24.29	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.39	23.35	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.62	24.58	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	22.69	24.65	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.56	24.52	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.65	23.61	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.70	24.66	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	22.86	24.82	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.76	24.72	33.00	PASS



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Band25	5MHz	QPSK	26665	25RB#0	21.67	23.63	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.34	23.30	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.38	23.34	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.25	23.21	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	20.36	22.32	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.77	23.73	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.84	23.80	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.71	23.67	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.57	22.53	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.60	23.56	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.79	23.75	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.70	23.66	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.72	22.68	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.41	24.37	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	22.44	24.40	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.38	24.34	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	21.43	23.39	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.60	24.56	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.74	24.70	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.58	24.54	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.67	23.63	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.54	24.50	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.82	24.78	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.77	24.73	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.64	23.60	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	21.56	23.52	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	21.56	23.52	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	21.59	23.55	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	20.45	22.41	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	21.74	23.70	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.84	23.80	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.69	23.65	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	20.63	22.59	33.00	PASS



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Band25	10MHz	16QAM	26640	1RB#0	21.45	23.41	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	21.67	23.63	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	21.58	23.54	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	20.61	22.57	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.34	24.30	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.38	24.34	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.41	24.37	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.60	23.56	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.62	24.58	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.66	24.62	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.52	24.48	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	21.70	23.66	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.50	24.46	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.65	24.61	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.71	24.67	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.70	23.66	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	21.46	23.42	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	21.59	23.55	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	21.61	23.57	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	20.47	22.43	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	21.87	23.83	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.93	23.89	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.73	23.69	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	20.73	22.69	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.32	23.28	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.57	23.53	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.57	23.53	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	20.63	22.59	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.40	24.36	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	22.62	24.58	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.66	24.62	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	21.54	23.50	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.59	24.55	33.00	PASS



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Band25	20MHz	QPSK	26365	1RB#49	22.81	24.77	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.44	24.40	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	21.58	23.54	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.29	24.25	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	22.56	24.52	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.62	24.58	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.52	23.48	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.35	23.31	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.62	23.58	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.61	23.57	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	20.51	22.47	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	21.79	23.75	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.87	23.83	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	21.59	23.55	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	20.58	22.54	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.41	23.37	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	21.63	23.59	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	21.61	23.57	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.49	22.45	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

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Band25	20MHz	QPSK	26140	100RB#0	5.14	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.02	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.72	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.88	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.82	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.64	13	PASS



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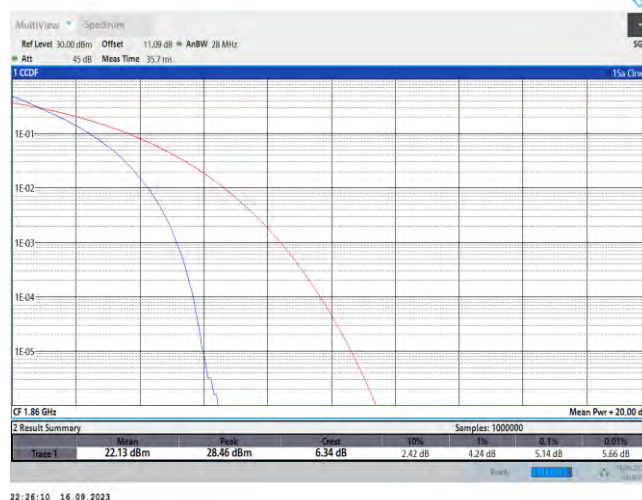
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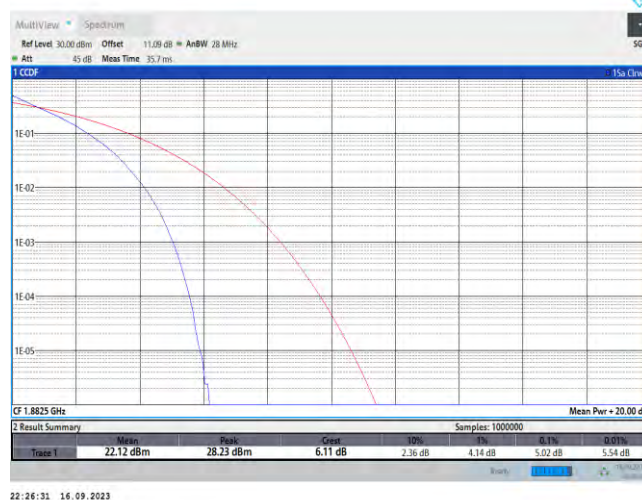
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Test Graphs

Band25-20MHz-QPSK-26140-100RB#0



Band25-20MHz-QPSK-26365-100RB#0



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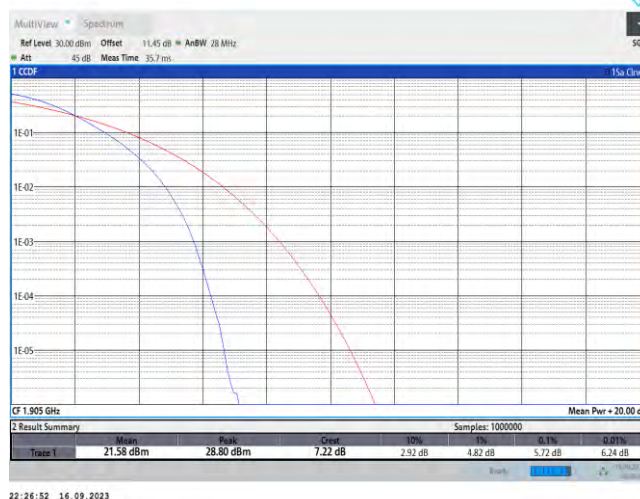
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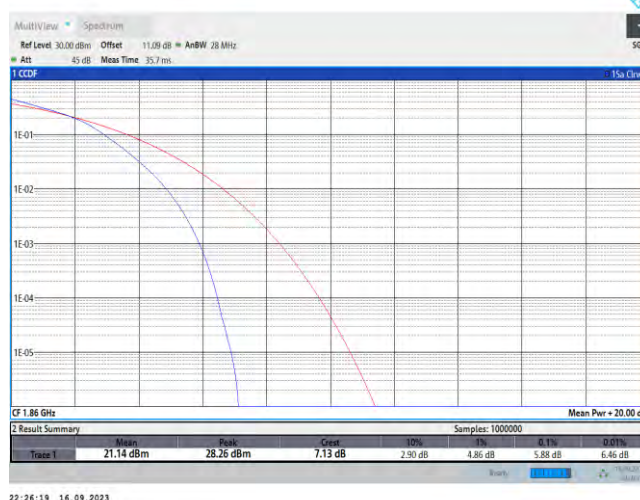
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Band25-20MHz-QPSK-26590-100RB#0



22:26:52 16.09.2023

Band25-20MHz-16QAM-26140-100RB#0



22:26:19 16.09.2023



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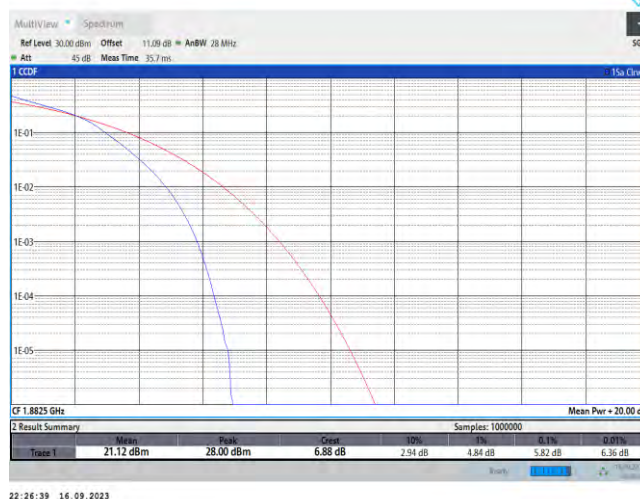
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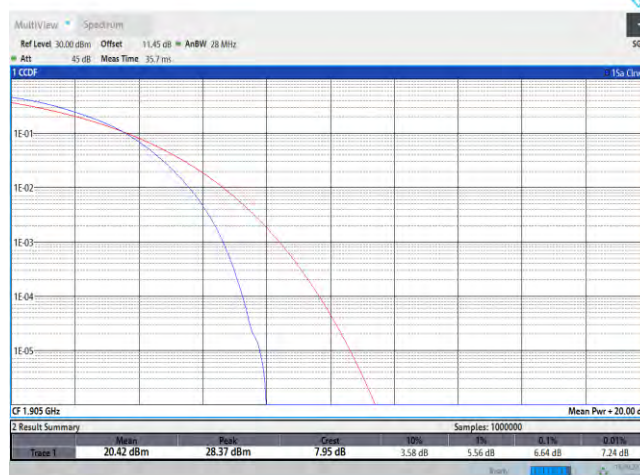
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Band25-20MHz-16QAM-26365-100RB#0



22:26:39 16.09.2023

Band25-20MHz-16QAM-26590-100RB#0



22:27:01 16.09.2023



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.086	1.29	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.085	1.29	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.087	1.30	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.096	1.31	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.098	1.31	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.101	1.32	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.687	2.92	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.688	2.89	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.688	2.93	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.68	2.90	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.679	2.90	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.682	2.90	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.487	4.99	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.487	4.98	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.518	4.84	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.489	4.98	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.487	5.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.49	5.03	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.944	9.66	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.937	9.64	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.954	9.62	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.921	9.62	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.913	9.62	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.917	9.58	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.488	14.73	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.475	14.76	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.465	14.73	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.464	14.82	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.442	14.88	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.431	14.79	PASS



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Band25	20MHz	QPSK	26140	100RB#0	17.979	19.56	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.909	19.48	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.905	19.40	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.926	19.36	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.9	19.32	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.88	19.36	PASS



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Test Graphs

Band25-1.4MHz-QPSK-26047-6RB#0



Band25-1.4MHz-QPSK-26365-6RB#0



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Band25-1.4MHz-QPSK-26683-6RB#0



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Band25-1.4MHz-16QAM-26047-6RB#0



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Band25-1.4MHz-16QAM-26365-6RB#0



Band25-1.4MHz-16QAM-26683-6RB#0



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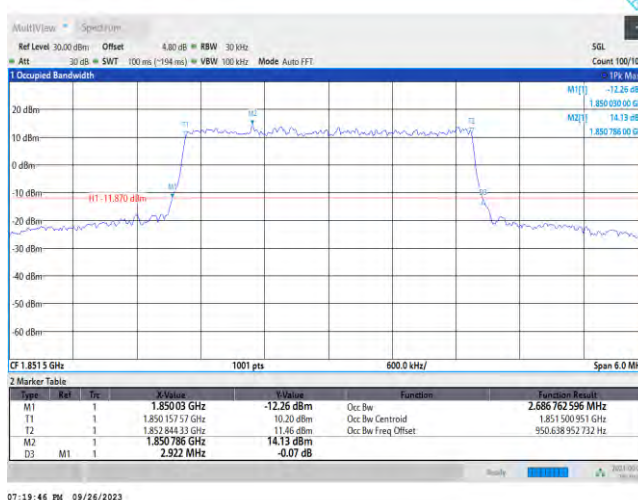
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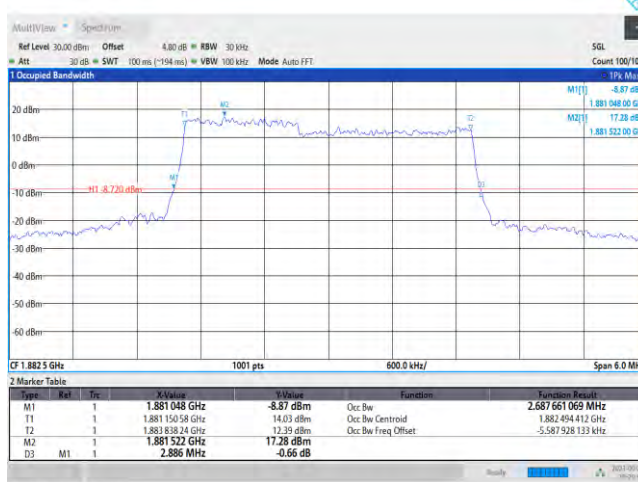
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Band25-3MHz-QPSK-26055-15RB#0



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Band25-3MHz-QPSK-26365-15RB#0



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Band25-3MHz-QPSK-26675-15RB#0



Band25-3MHz-16QAM-26055-15RB#0



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Band25-3MHz-16QAM-26675-15RB#0



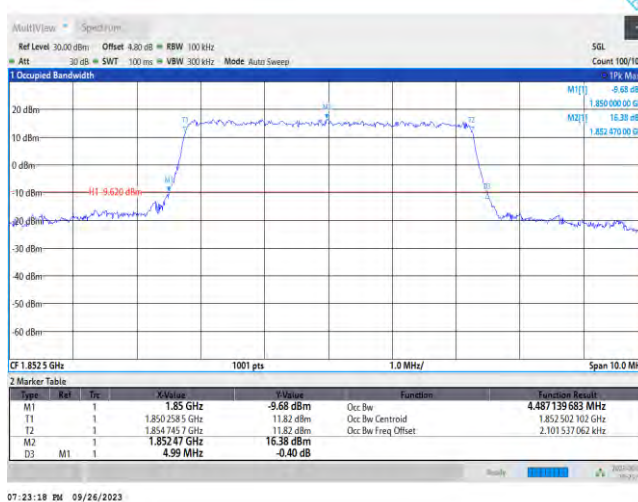
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Band25-5MHz-QPSK-26065-25RB#0



Band25-5MHz-QPSK-26365-25RB#0

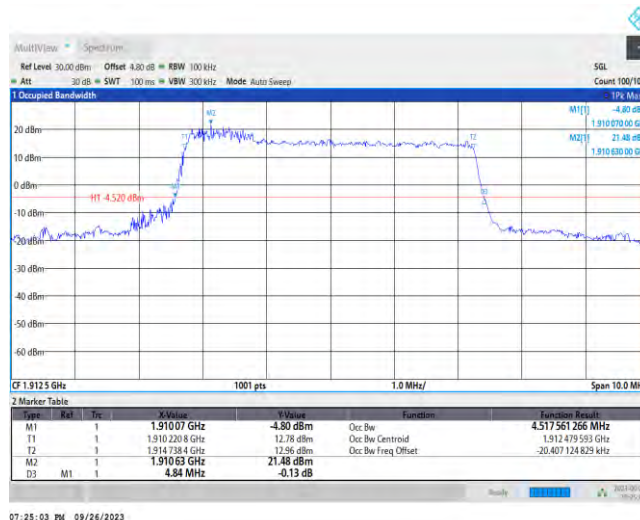


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Band25-5MHz-16QAM-26065-25RB#0



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Band25-5MHz-16QAM-26365-25RB#0



Band25-5MHz-16QAM-26665-25RB#0



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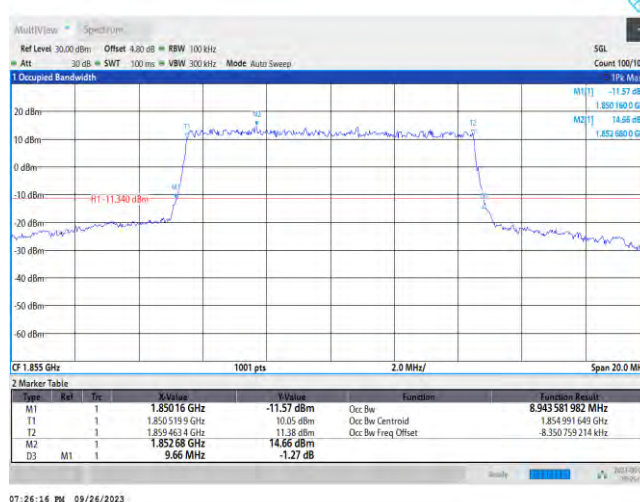
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Band25-10MHz-QPSK-26090-50RB#0



Band25-10MHz-QPSK-26365-50RB#0



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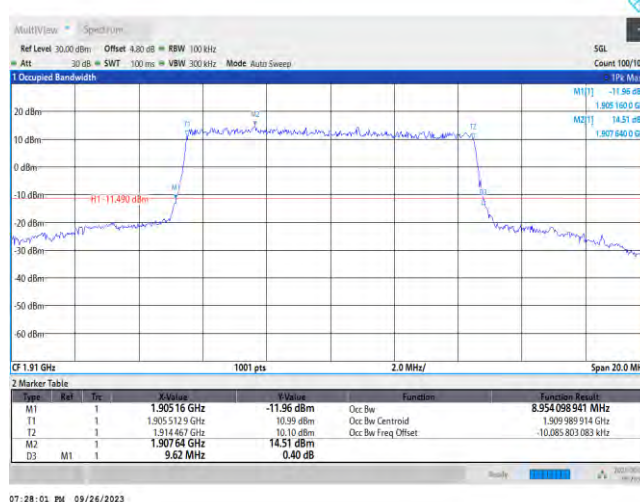
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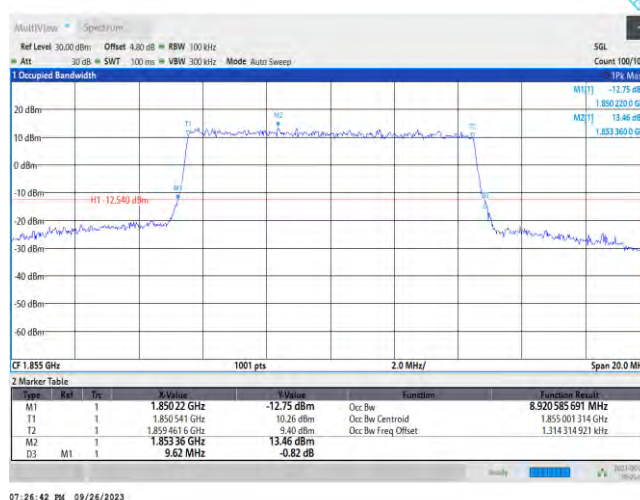
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Band25-10MHz-QPSK-26640-50RB#0



Band25-10MHz-16QAM-26090-50RB#0



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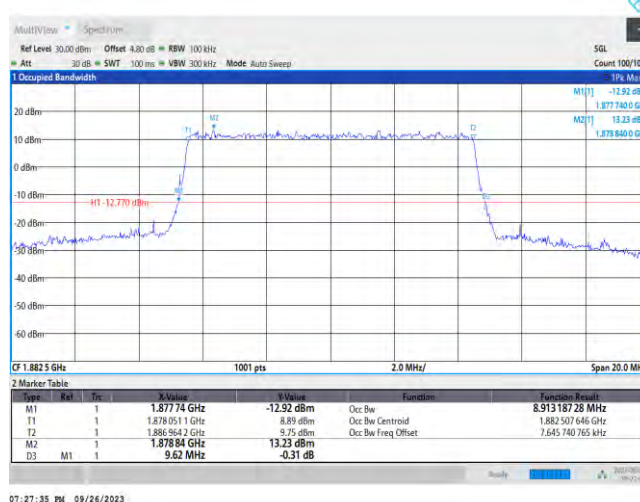
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Band25-10MHz-16QAM-26640-50RB#0



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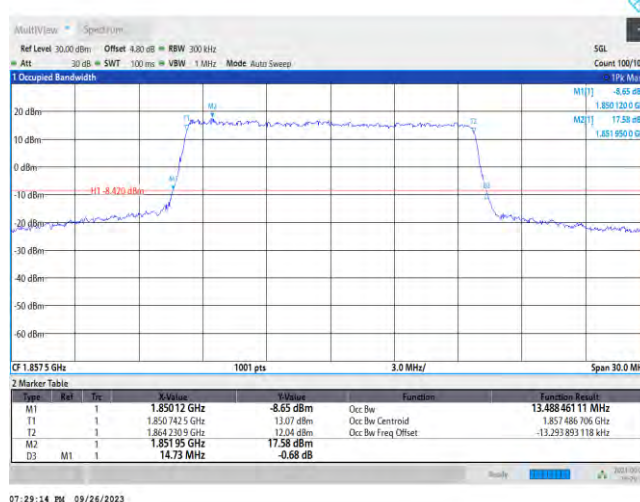
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Band25-15MHz-QPSK-26115-75RB#0



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Band25-15MHz-QPSK-26365-75RB#0



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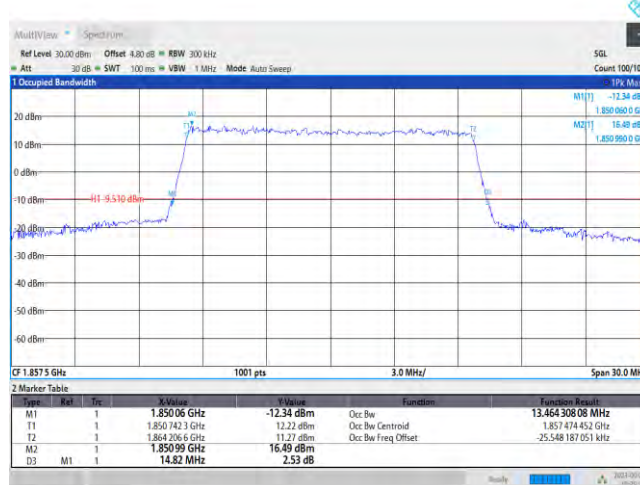
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Band25-15MHz-QPSK-26615-75RB#0



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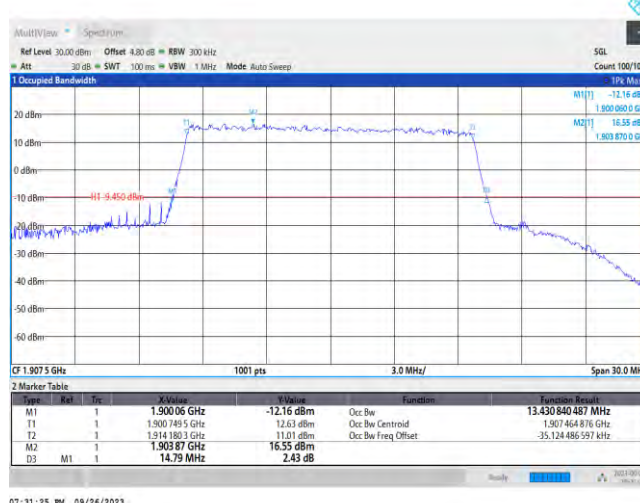
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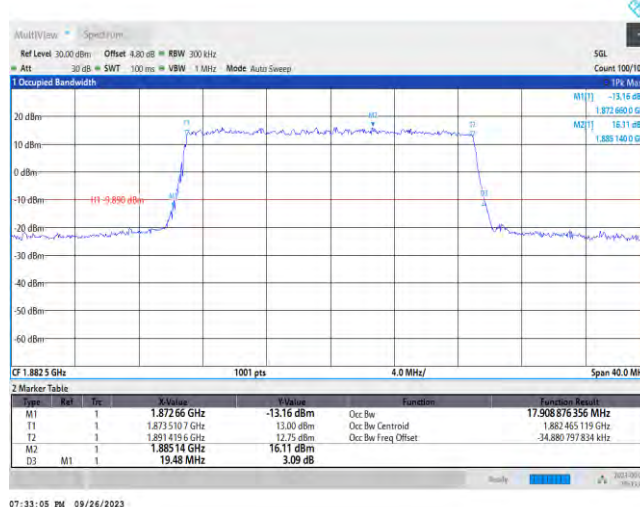
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Band25-20MHz-16QAM-26590-100RB#0



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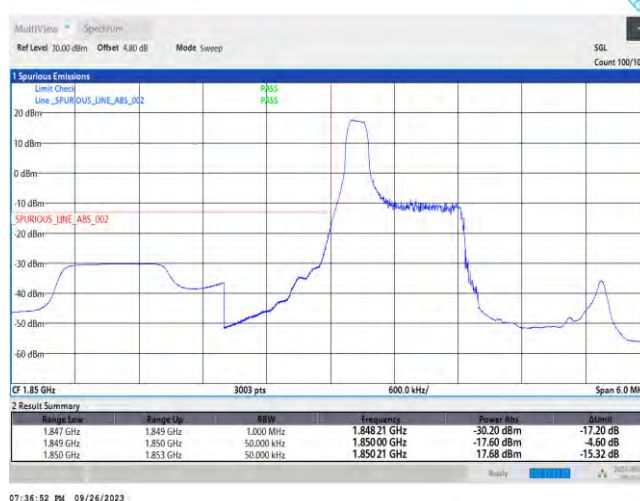
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Band Edge

Test Graphs

Band25-1.4MHz-QPSK-26047-1RB#0



Band25-1.4MHz-QPSK-26047-6RB#0



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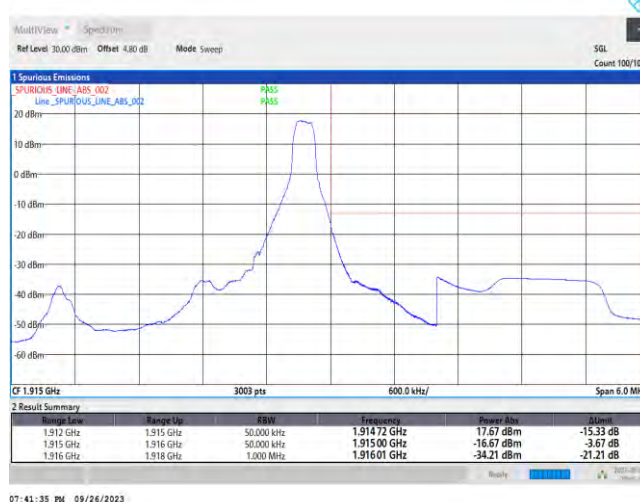
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Band25-1.4MHz-QPSK-26683-1RB#5



Band25-1.4MHz-QPSK-26683-6RB#0



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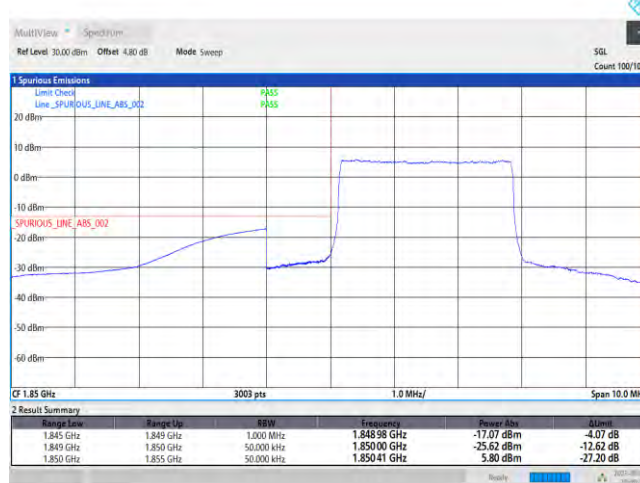
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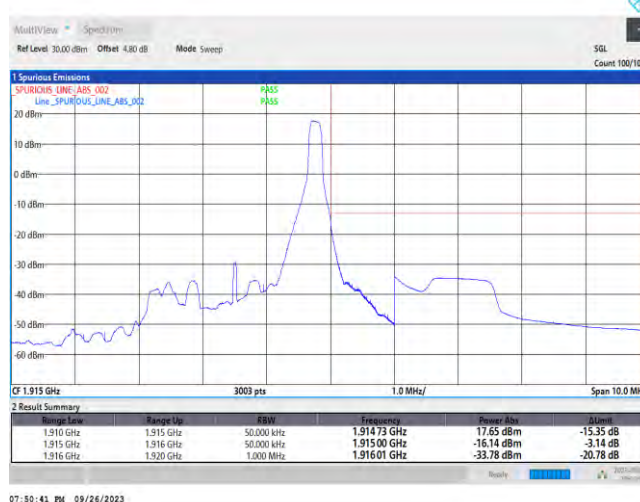
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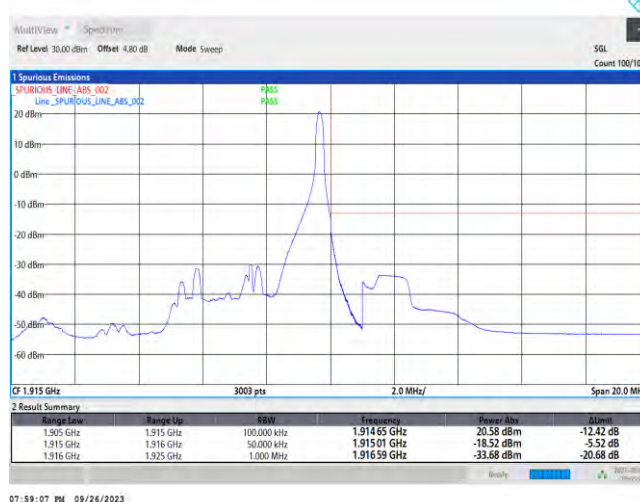
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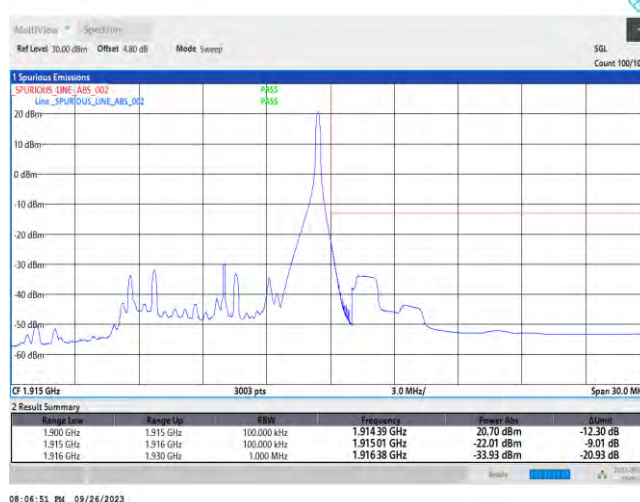
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Band25-10MHz-QPSK-26640-1RB#49



08:06:51 PM 09/26/2023

Band25-10MHz-QPSK-26640-50RB#0



08:08:35 PM 09/26/2023



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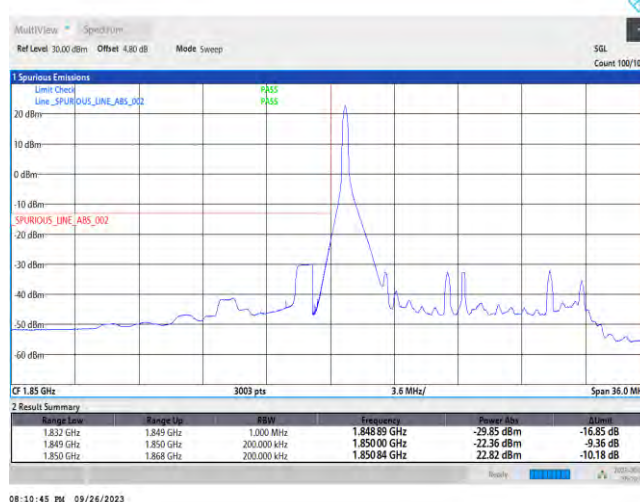
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Band25-15MHz-QPSK-26115-1RB#0



Band25-15MHz-QPSK-26115-75RB#0



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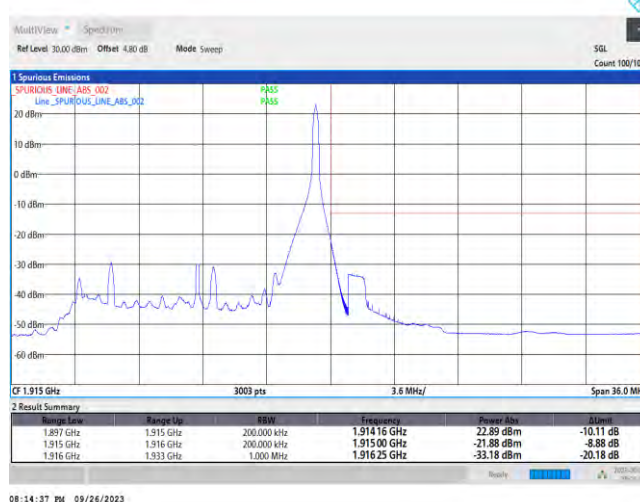
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Band25-15MHz-QPSK-26615-1RB#74



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Band25-15MHz-QPSK-26615-75RB#0



08:16:21 PM 09/26/2023



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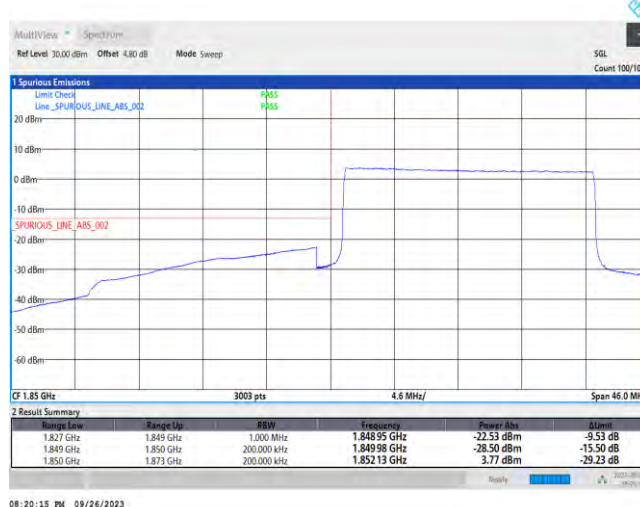
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Band25-20MHz-QPSK-26140-1RB#0



Band25-20MHz-QPSK-26140-100RB#0



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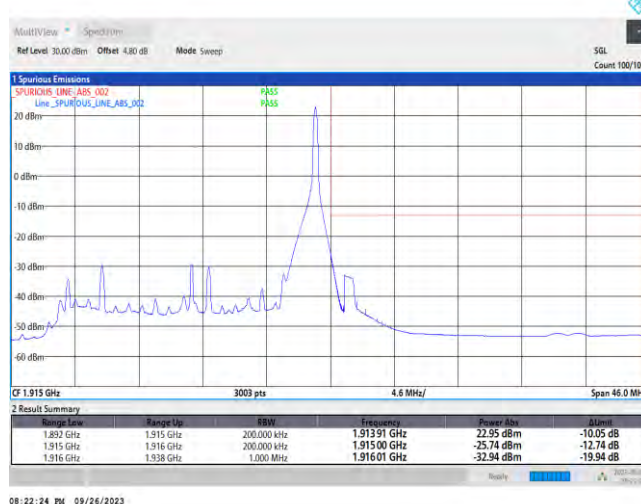
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Band25-20MHz-QPSK-26590-1RB#99



Band25-20MHz-QPSK-26590-100RB#0



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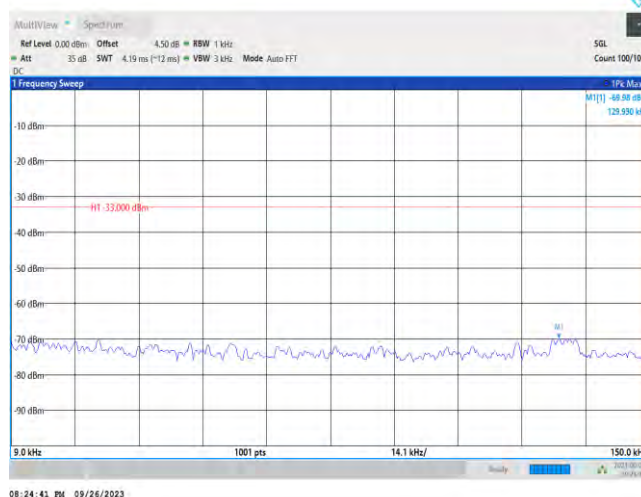
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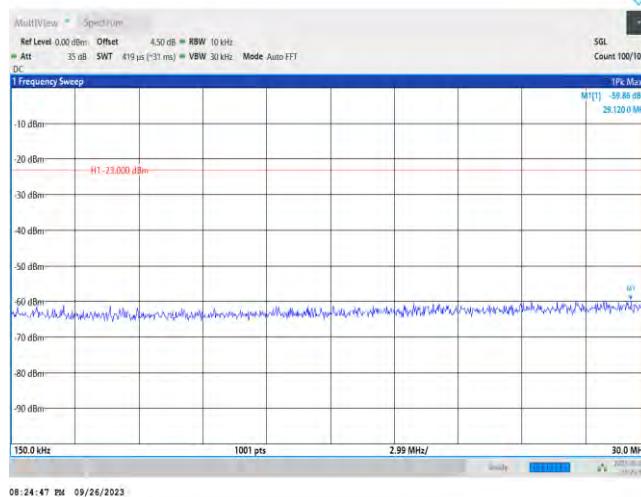
Conducted Spurious Emission

Test Graphs

Band25-20MHz-QPSK-26140-1RB#0-Range1:0.009~0.15MHz



Band25-20MHz-QPSK-26140-1RB#0-Range2:0.15~30MHz



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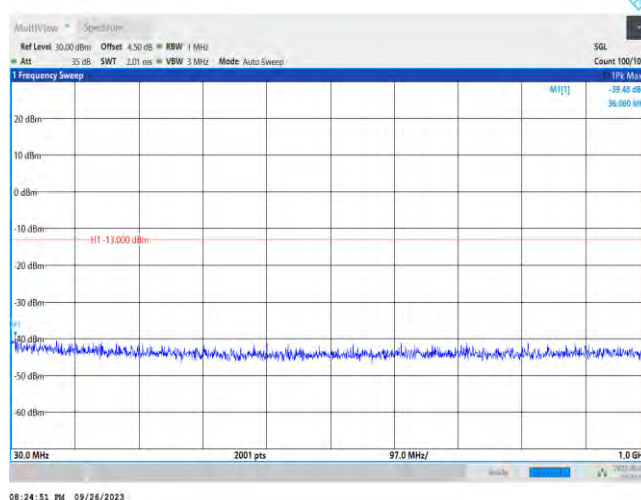
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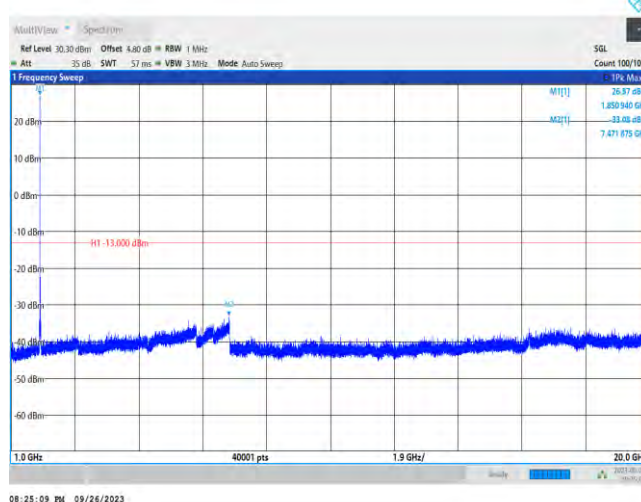
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Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



Band25-20MHz-QPSK-26140-1RB#0-Range4:1000~20000MHz



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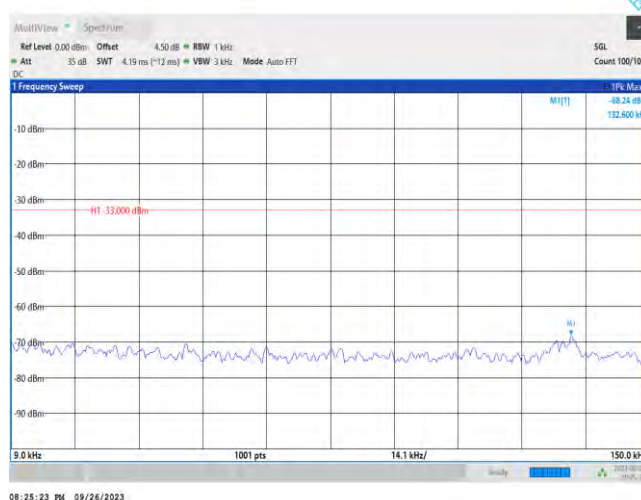
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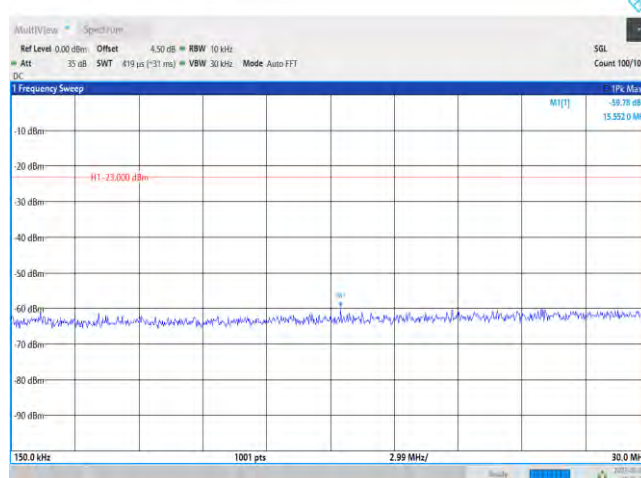
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Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



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Band25-20MHz-QPSK-26365-1RB#0-Range2:0.15~30MHz



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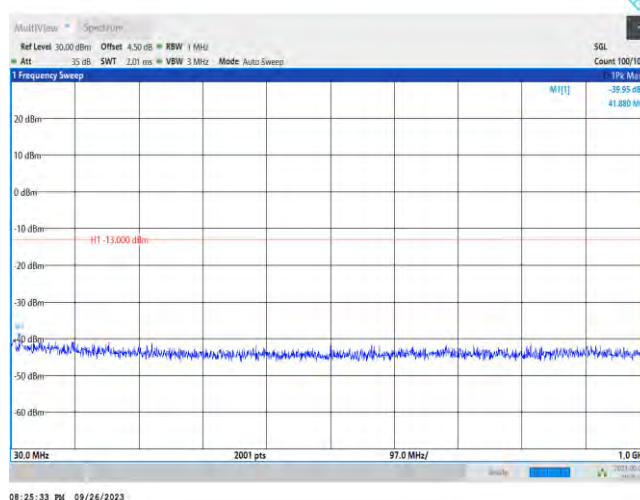
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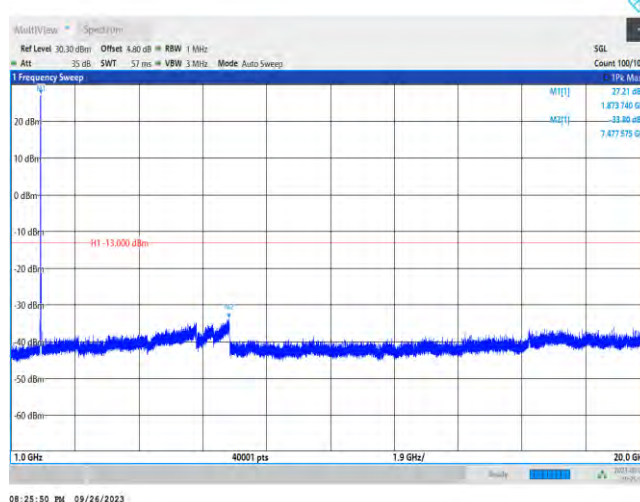
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Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz



Band25-20MHz-QPSK-26365-1RB#0-Range4:1000~20000MHz



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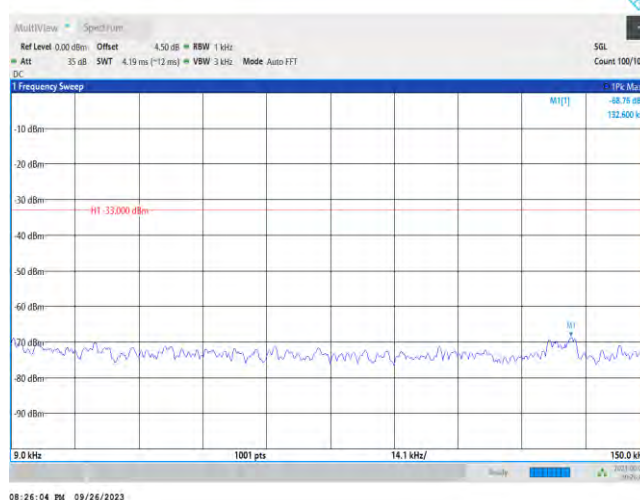
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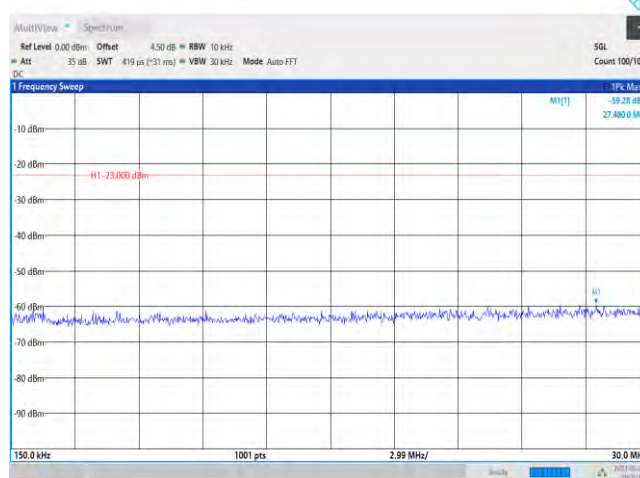
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Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



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Band25-20MHz-QPSK-26590-1RB#0-Range2:0.15~30MHz



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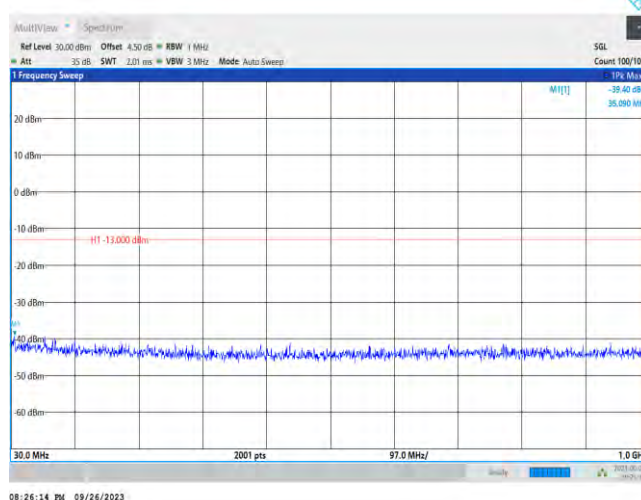
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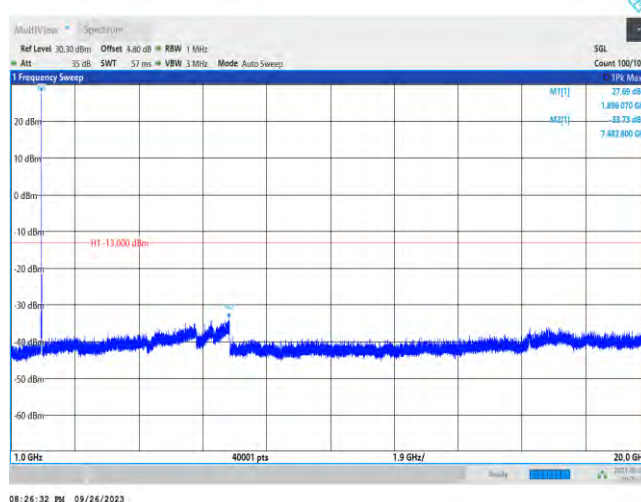
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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



Band25-20MHz-QPSK-26590-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_25

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997.5	37.42	-17.44	28.59	-46.69	-13.00	33.69	Horizontal
2	3702	51.26	-44.52	29.31	-59.21	-13.00	46.21	Horizontal
3	5524.5	50.47	-41.75	32.30	-54.24	-13.00	41.24	Horizontal
4	7423	44.25	-38.28	36.75	-52.54	-13.00	39.54	Horizontal
5	10976.5	42.72	-37.09	40.12	-49.51	-13.00	36.51	Horizontal
6	17998	40.92	-43.06	48.16	-49.24	-13.00	36.24	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2977.5	37.20	-17.25	28.47	-46.84	-13.00	33.84	Vertical
2	3702	52.53	-44.52	29.31	-57.94	-13.00	44.94	Vertical
3	5524.5	48.50	-41.75	32.30	-56.21	-13.00	43.21	Vertical
4	7377.5	44.27	-38.42	36.61	-52.80	-13.00	39.80	Vertical
5	10719.5	44.48	-37.80	39.52	-49.06	-13.00	36.06	Vertical
6	16397	42.43	-34.84	38.79	-48.88	-13.00	35.88	Vertical



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Wireless Laboratory

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Test Band = LTE_25

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997.5	37.54	-17.44	28.59	-46.57	-13.00	33.57	Horizontal
2	3747	51.59	-44.71	29.58	-58.80	-13.00	45.80	Horizontal
3	5524.5	50.17	-41.75	32.30	-54.54	-13.00	41.54	Horizontal
4	7415.5	43.95	-38.28	36.73	-52.86	-13.00	39.86	Horizontal
5	11240.5	45.17	-39.36	40.16	-49.29	-13.00	36.29	Horizontal
6	16361	42.41	-35.03	38.68	-49.20	-13.00	36.20	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000	37.38	-17.44	28.60	-46.72	-13.00	33.72	Vertical
2	3747	51.95	-44.71	29.58	-58.44	-13.00	45.44	Vertical
3	5524.5	49.11	-41.75	32.30	-55.60	-13.00	42.60	Vertical
4	7389	44.59	-38.35	36.66	-52.36	-13.00	39.36	Vertical
5	9890	42.24	-35.04	38.52	-49.54	-13.00	36.54	Vertical
6	16600.5	42.14	-35.37	39.50	-48.99	-13.00	35.99	Vertical



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Test Band = LTE_25

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2996	37.38	-17.43	28.58	-46.73	-13.00	33.73	Horizontal
2	3792	48.75	-44.90	29.77	-61.64	-13.00	48.64	Horizontal
3	5524.5	49.88	-41.75	32.30	-54.83	-13.00	41.83	Horizontal
4	7430	44.27	-38.28	36.76	-52.51	-13.00	39.51	Horizontal
5	9891	42.37	-35.03	38.53	-49.39	-13.00	36.39	Horizontal
6	17990	41.00	-43.12	48.02	-49.36	-13.00	36.36	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2995.5	37.37	-17.43	28.57	-46.75	-13.00	33.75	Vertical
2	3792	48.36	-44.90	29.77	-62.03	-13.00	49.03	Vertical
3	5524.5	48.51	-41.75	32.30	-56.20	-13.00	43.20	Vertical
4	8399.5	43.73	-36.99	36.50	-52.02	-13.00	39.02	Vertical
5	10975.5	42.84	-37.09	40.12	-49.39	-13.00	36.39	Vertical
6	17992.5	41.14	-43.10	48.07	-49.15	-13.00	36.15	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
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-14.96	-0.007947	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-16.89	-0.008972	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-7.31	-0.003883	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	4.49	0.002385	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-11.99	-0.006369	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-14.00	-0.007437	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-9.38	-0.004983	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-14.22	-0.007554	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-6.19	-0.003288	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-14.99	-0.007963	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-18.90	-0.010040	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-8.90	-0.004728	PASS

---End of Attachment---



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