

Report No.: SEWA2204000011RG01

Rev.: 01

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Appendix B.9

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	22.83	24.42	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.67	24.26	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.45	24.04	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.74	23.33	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.65	24.24	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.7	24.29	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.7	24.29	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.77	23.36	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.65	24.24	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.6	24.19	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.7	24.29	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.81	23.4	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.15	23.74	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.4	22.99	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.58	23.17	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.75	22.34	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.94	23.53	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.04	23.63	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.94	23.53	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	20.48	22.07	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.93	23.52	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.75	23.34	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.79	23.38	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.57	22.16	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.65	24.24	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.48	24.07	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.49	24.08	33	PASS



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Band25	3MHz	QPSK	26055	15RB#0	21.74	23.33	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.6	24.19	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	22.58	24.17	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.61	24.2	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	21.83	23.42	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.67	24.26	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.73	24.32	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.69	24.28	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.8	23.39	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.69	23.28	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.41	23	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.59	23.18	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.61	22.2	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.66	23.25	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.62	23.21	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.73	23.32	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	20.69	22.28	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.75	23.34	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.71	23.3	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.73	23.32	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.69	22.28	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.51	24.1	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	22.96	24.55	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.43	24.02	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.69	23.28	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.52	24.11	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.05	24.64	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.57	24.16	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.73	23.32	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.47	24.06	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.2	24.79	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.61	24.2	33	PASS
Band25	5MHz	QPSK	26665	25RB#0	21.81	23.4	33	PASS



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Band25	5MHz	16QAM	26065	1RB#0	21.56	23.15	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.46	23.05	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.57	23.16	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	20.53	22.12	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.53	23.12	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.44	23.03	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.42	23.01	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.77	22.36	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.56	23.15	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.52	23.11	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.64	23.23	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.64	22.23	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.66	24.25	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	22.61	24.2	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.63	24.22	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	21.76	23.35	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.77	24.36	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.97	24.56	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.74	24.33	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.81	23.4	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.94	24.53	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.06	24.65	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.77	24.36	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.75	23.34	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	21.49	23.08	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	21.55	23.14	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	21.68	23.27	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	20.77	22.36	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	21.93	23.52	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.35	23.94	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.57	23.16	33	PASS
Band25	10MHz	16QAM	26365	50RB#0	20.85	22.44	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.14	23.73	33	PASS



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Band25	10MHz	16QAM	26640	1RB#24	21.44	23.03	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.14	23.73	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	20.59	22.18	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.56	24.15	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.58	24.17	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.46	24.05	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.65	23.24	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.62	24.21	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.9	24.49	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.74	24.33	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	21.8	23.39	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.63	24.22	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.8	24.39	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.74	24.33	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.67	23.26	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	21.43	23.02	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	21.8	23.39	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	21.47	23.06	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	20.56	22.15	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	21.44	23.03	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.65	23.24	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.85	23.44	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	20.67	22.26	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.54	23.13	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.53	23.12	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.63	23.22	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	20.77	22.36	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.56	24.15	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	22.76	24.35	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.46	24.05	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	21.72	23.31	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.66	24.25	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.14	24.73	33	PASS



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Band25	20MHz	QPSK	26365	1RB#99	22.74	24.33	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	21.78	23.37	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.66	24.25	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	23	24.59	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.74	24.33	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.77	23.36	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.38	22.97	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.48	23.07	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.54	23.13	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	20.59	22.18	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	21.5	23.09	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.58	23.17	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	21.86	23.45	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	20.7	22.29	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.75	23.34	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	21.49	23.08	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	22	23.59	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.63	22.22	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.32	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.30	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.24	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.14	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.18	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.14	13	PASS



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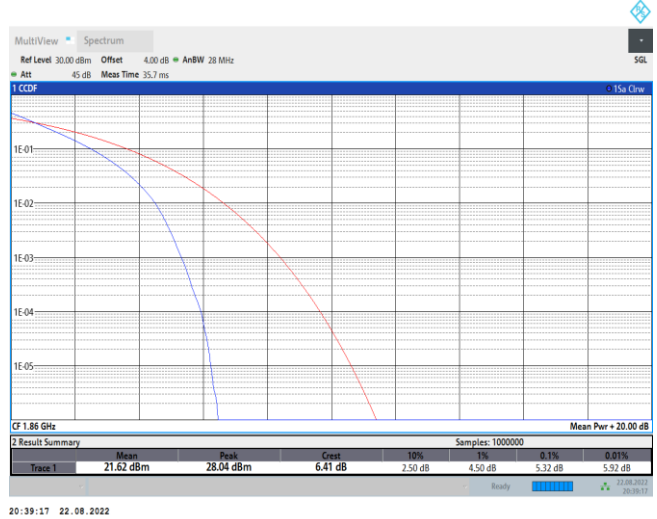
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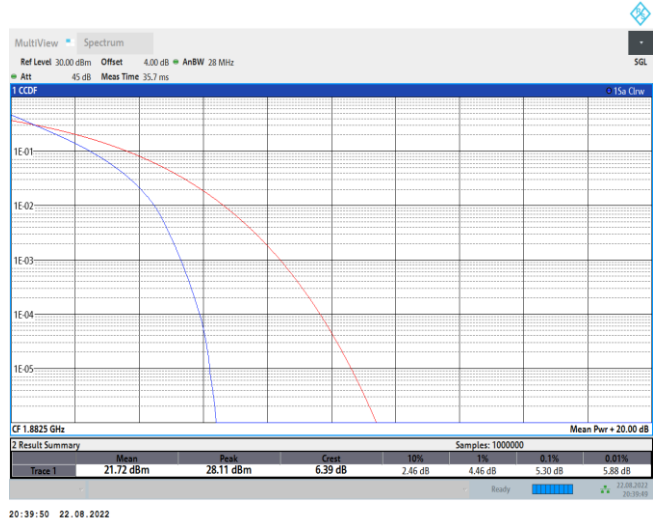
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Test Graphs

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



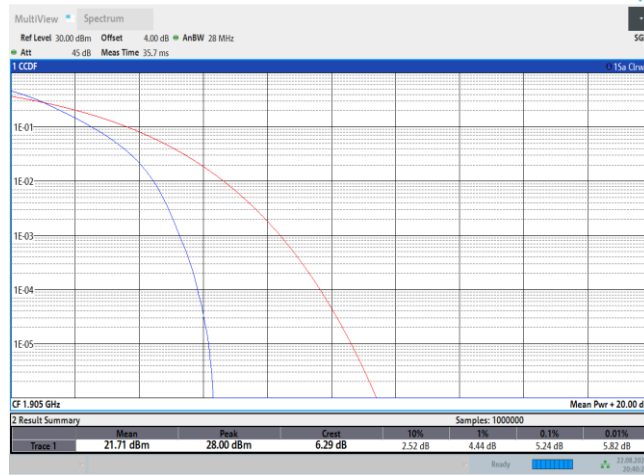
Band25-20MHz-QPSK-26365-100RB#0



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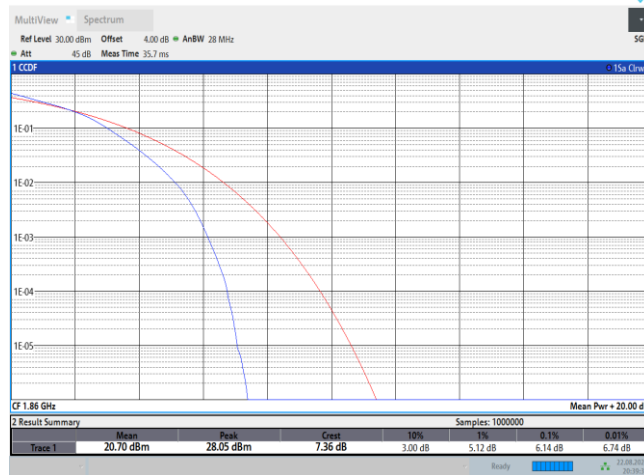
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Band25-20MHz-QPSK-26590-100RB#0



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



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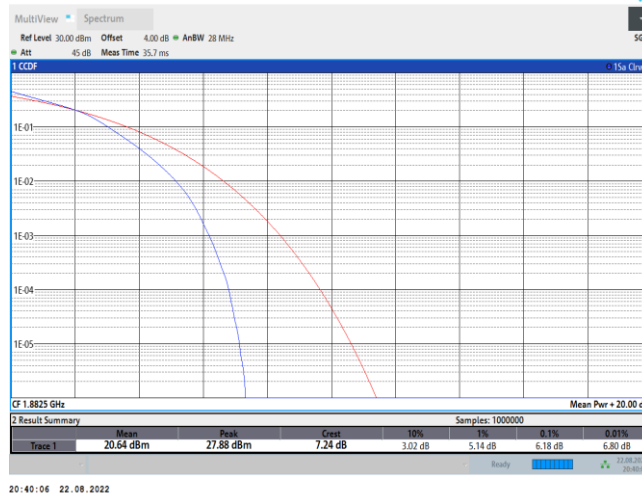


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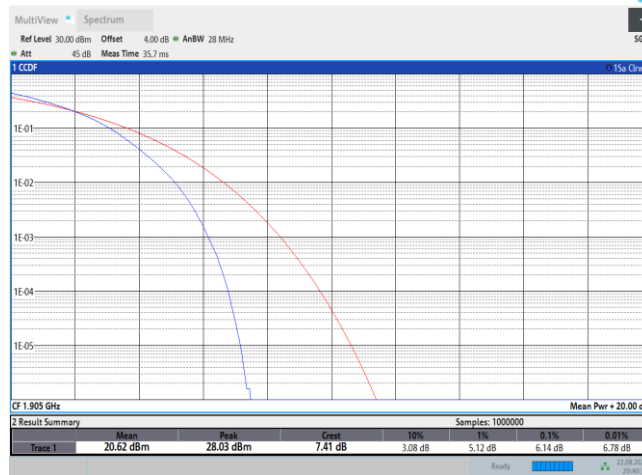
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Band25-20MHz-16QAM-26365-100RB#0



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



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band25	20MHz	QPSK	26365	100RB#0	PASS	PASS
Band25	20MHz	16QAM	26365	100RB#0	PASS	PASS



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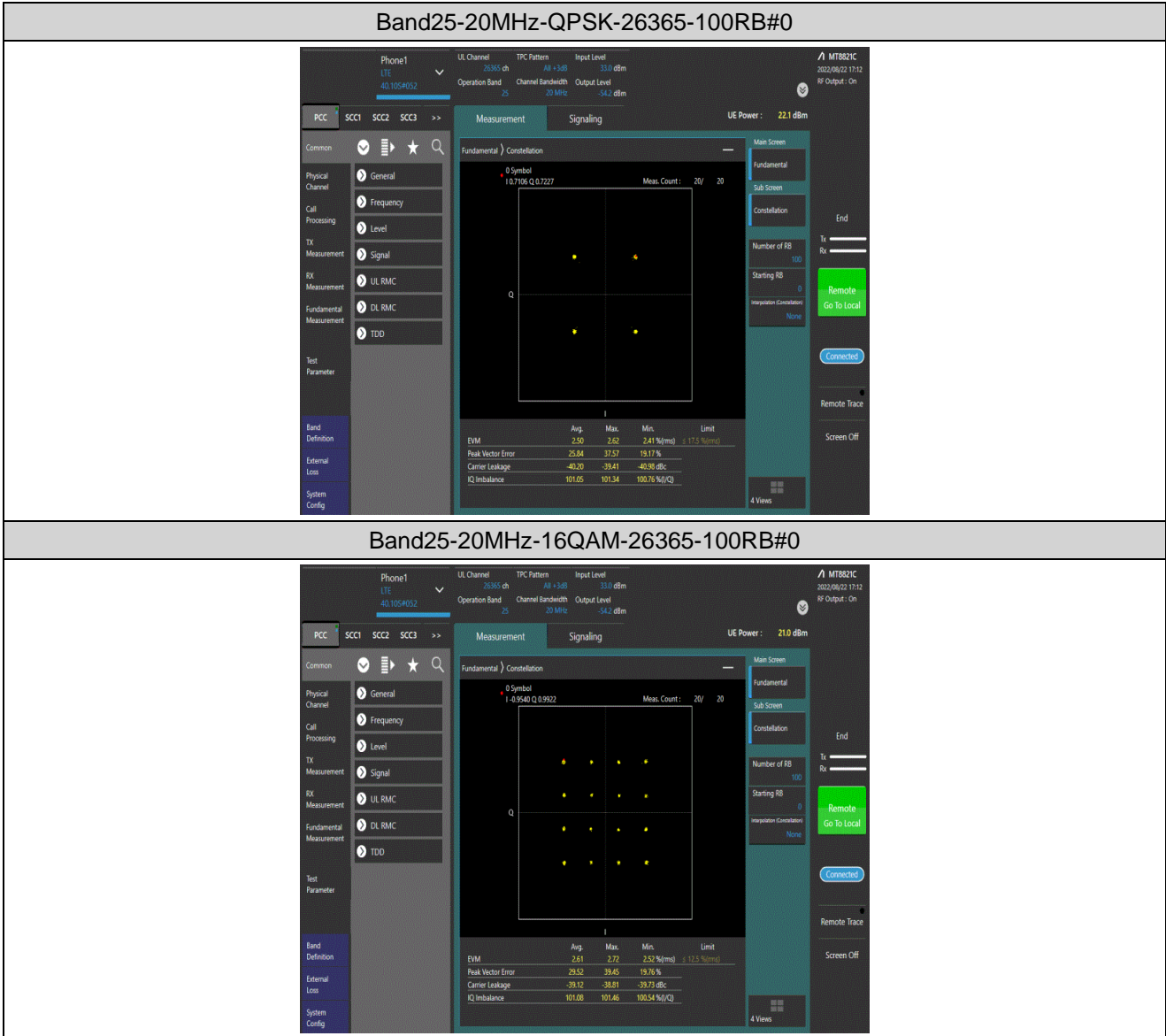
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Test Graphs



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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	1.088	1.28	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.089	1.27	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.089	1.27	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.097	1.28	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.096	1.29	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.097	1.29	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.695	2.96	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.697	2.97	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.688	2.97	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.687	2.96	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.684	2.96	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.687	2.96	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.467	4.91	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.466	4.87	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.467	4.89	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.467	4.91	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.464	4.94	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.461	4.91	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.924	9.62	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.929	9.62	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.915	9.62	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.904	9.66	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9	9.66	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.902	9.62	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.44	14.79	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.434	14.73	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.404	14.70	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.424	14.79	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.412	14.73	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.381	14.70	PASS



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Band25	20MHz	QPSK	26140	100RB#0	17.877	19.40	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.883	19.52	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.869	19.36	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.851	19.40	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.855	19.40	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.821	19.28	PASS



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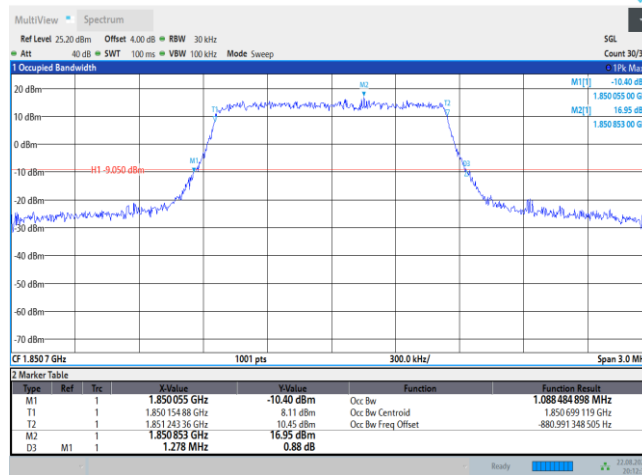
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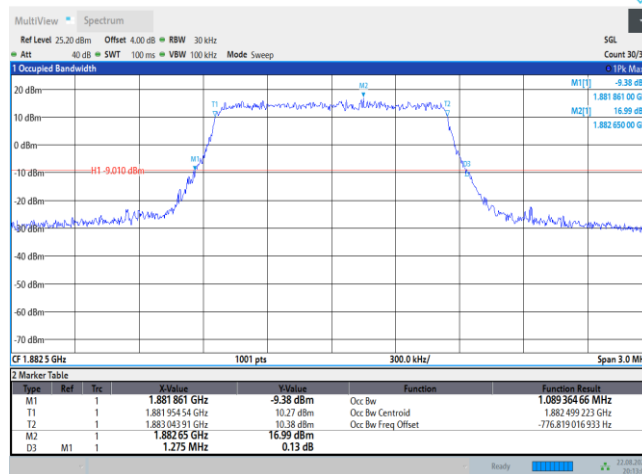
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Test Graphs

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



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



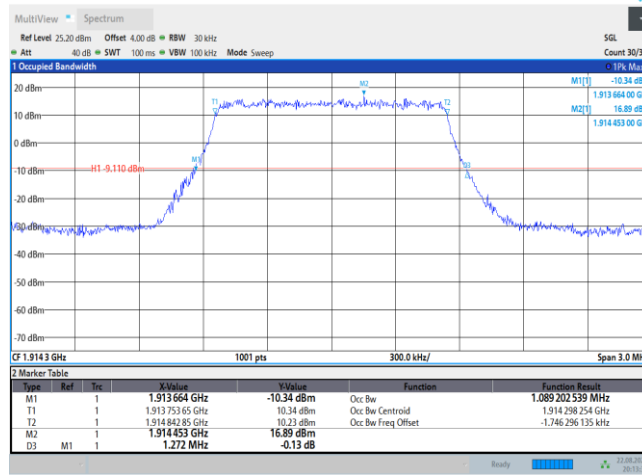
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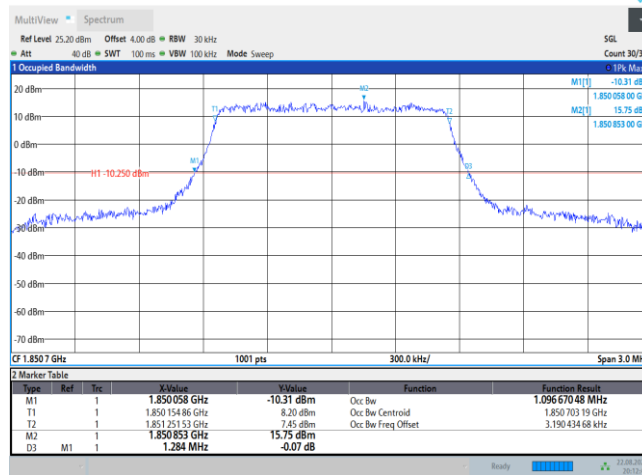
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Band25-1.4MHz-QPSK-26683-6RB#0



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



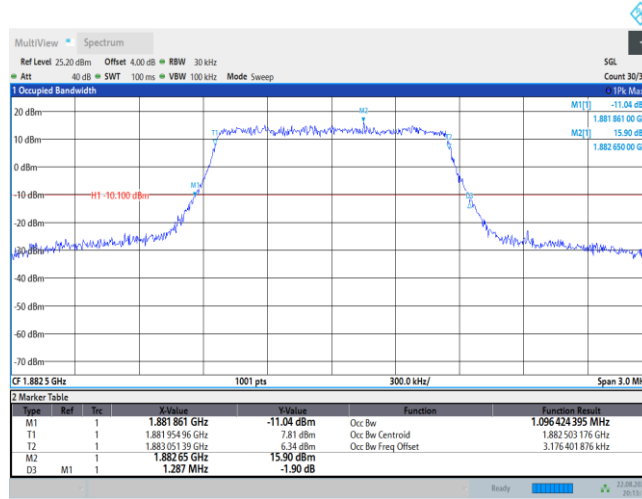
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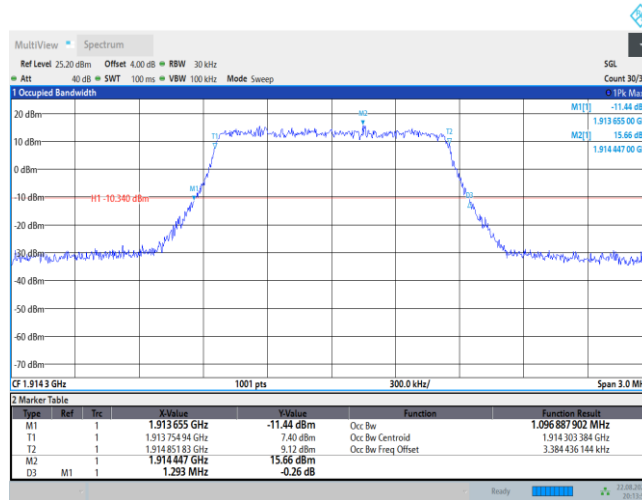
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Band25-1.4MHz-16QAM-26683-6RB#0



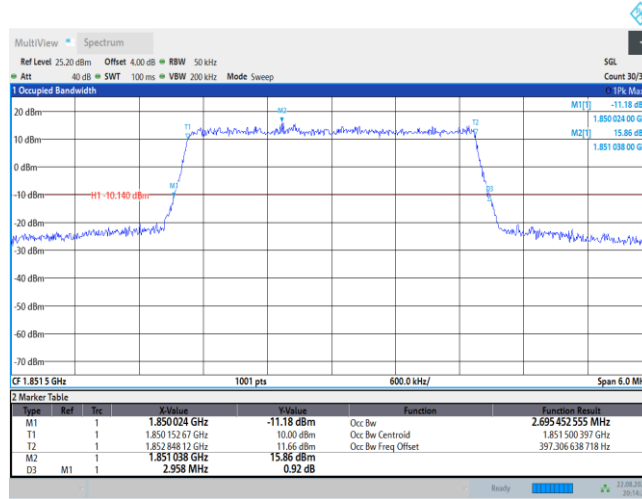
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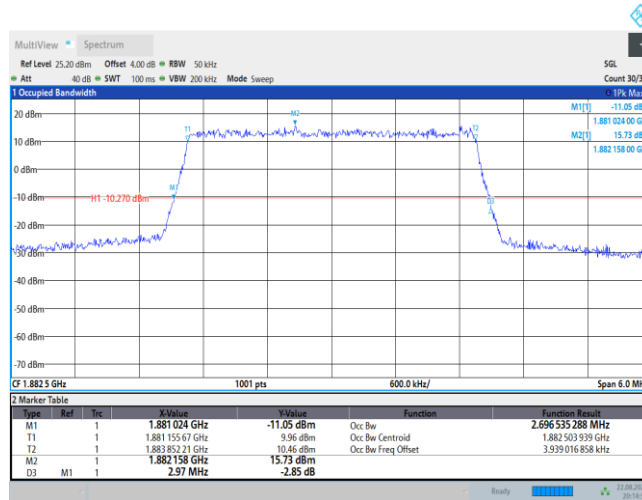
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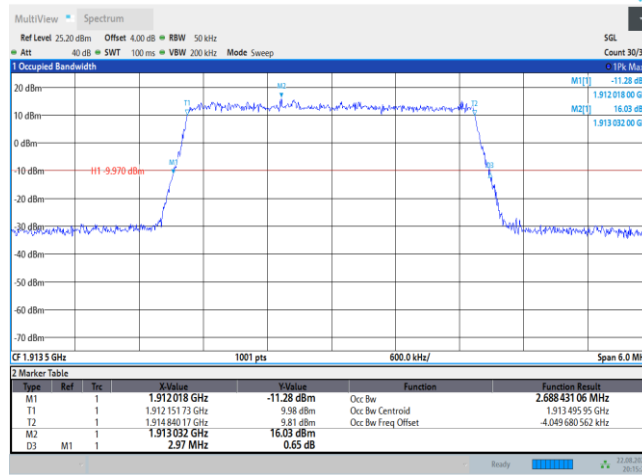
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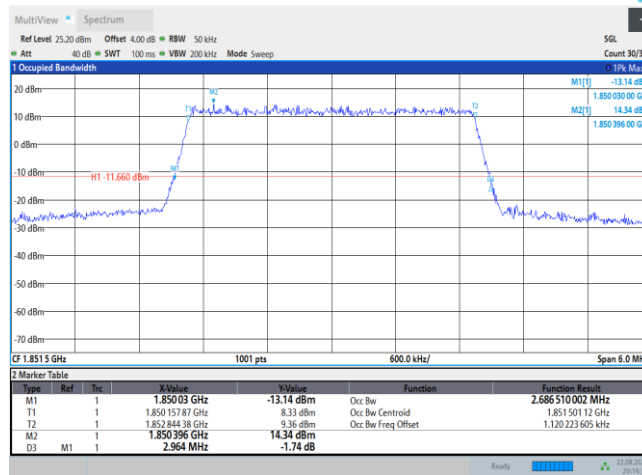
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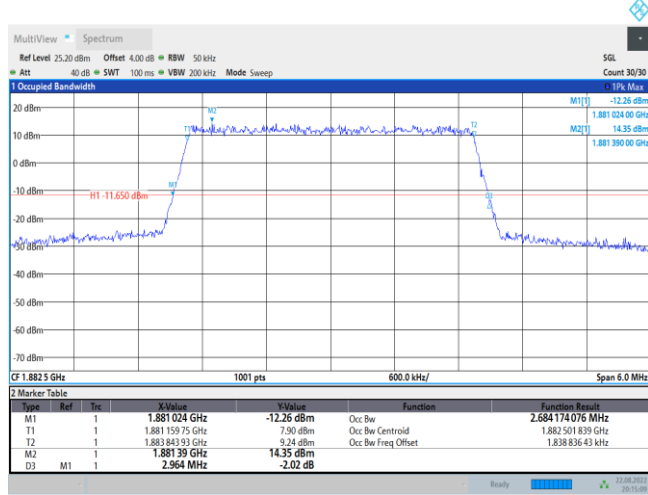
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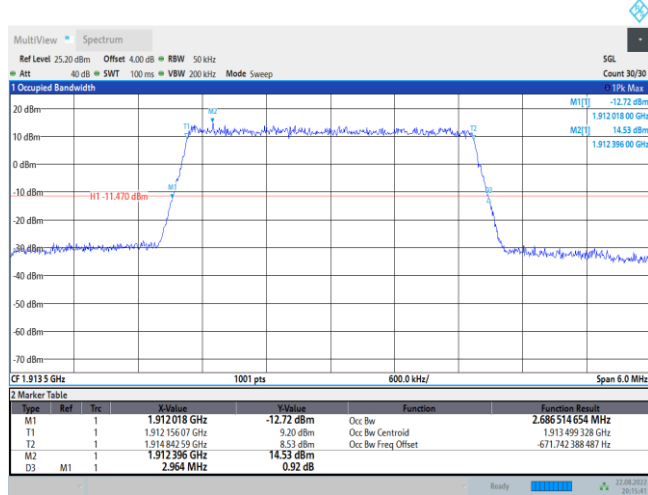
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Band25-3MHz-16QAM-26365-15RB#0



20:15:09 22.08.2022

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



20:15:42 22.08.2022



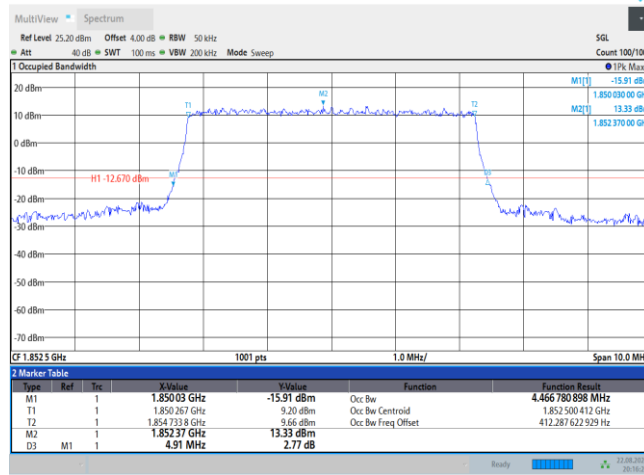
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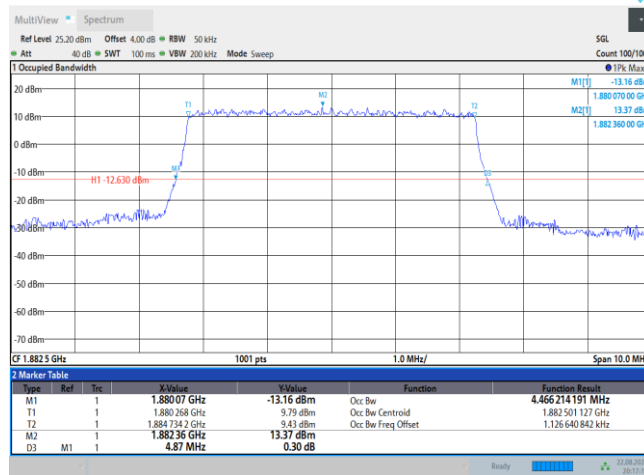
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Band25-5MHz-QPSK-26065-25RB#0



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



20:17:15 22.08.2022



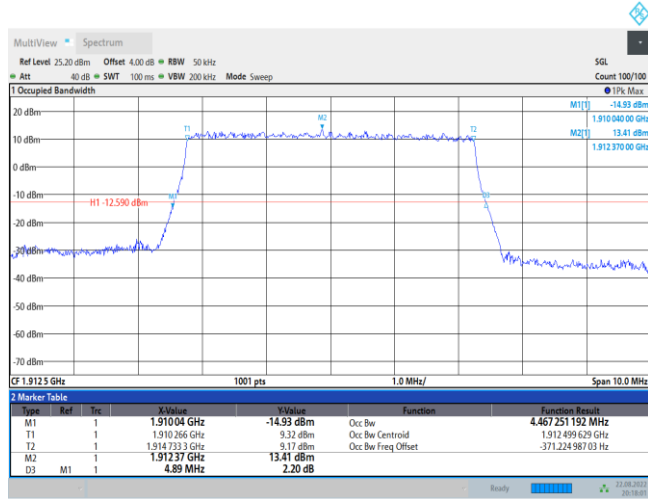
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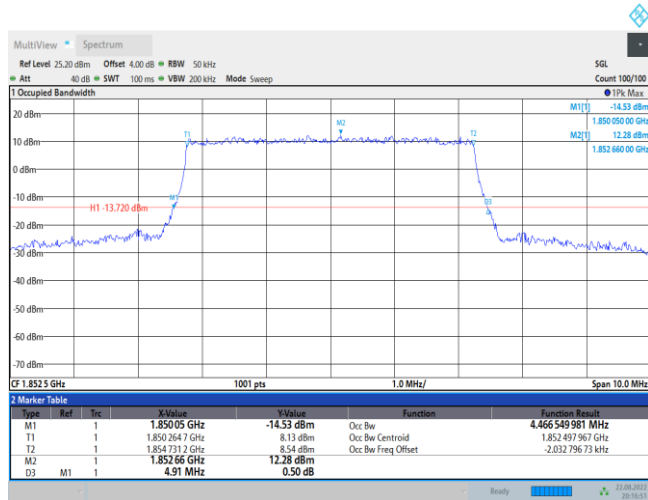
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Band25-5MHz-QPSK-26665-25RB#0



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

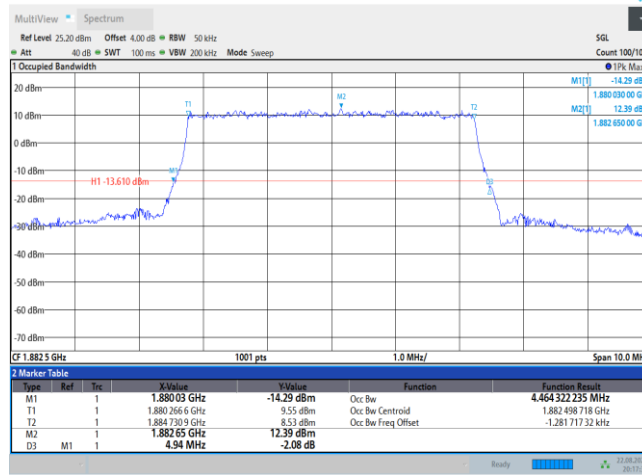


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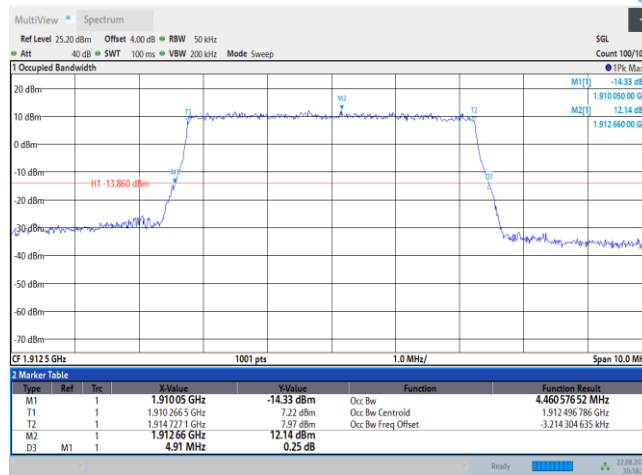
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Band25-5MHz-16QAM-26365-25RB#0



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



20:18:25 22.08.2022



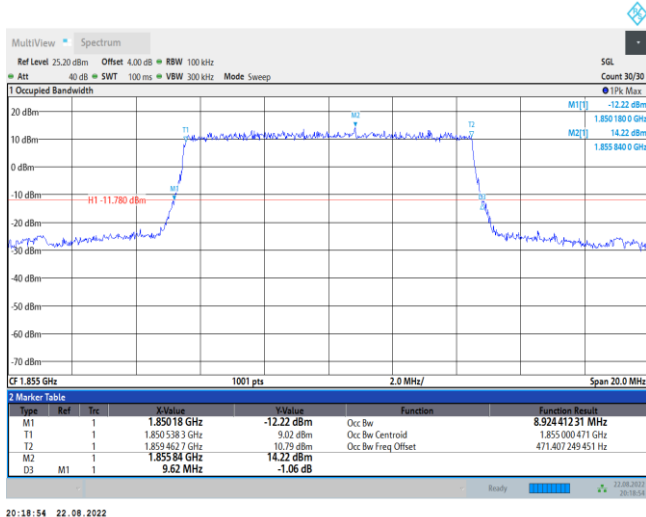
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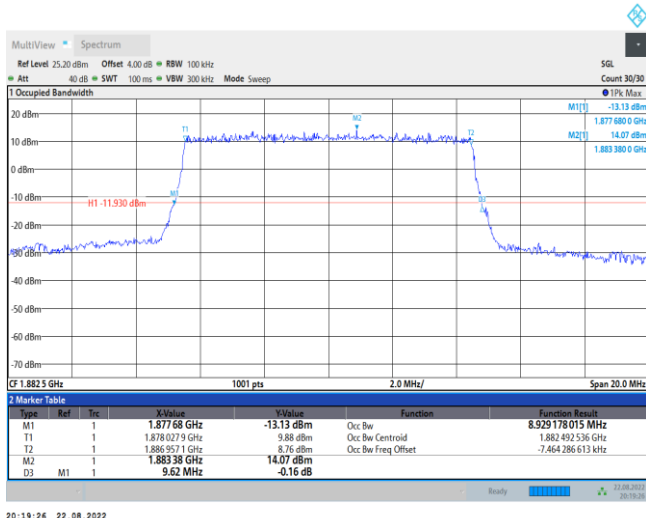
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Band25-10MHz-QPSK-26090-50RB#0



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

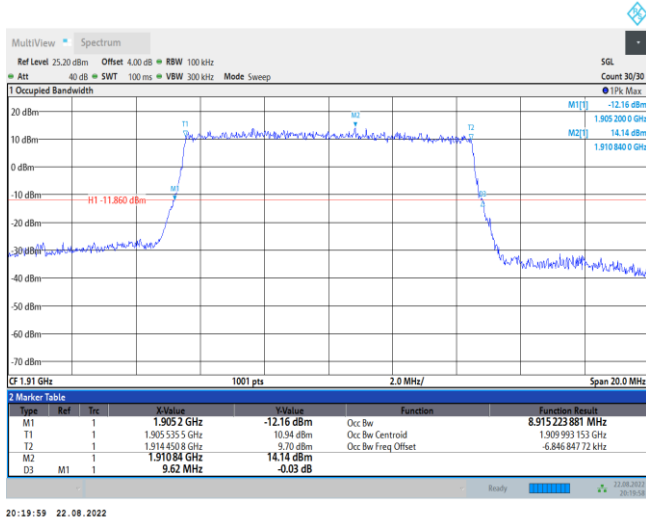


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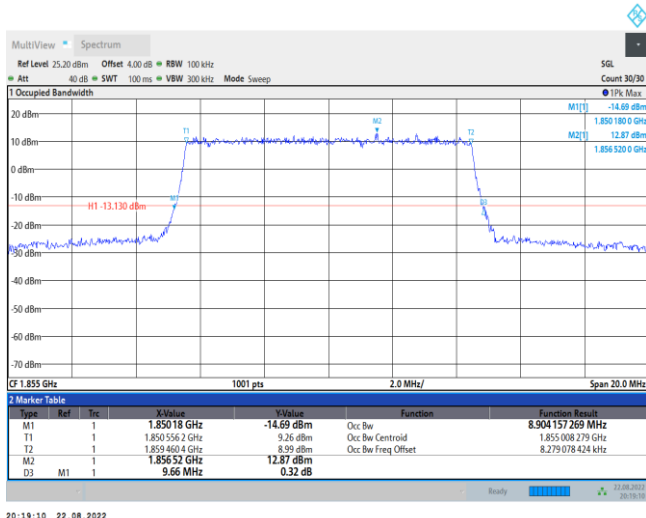


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Band25-10MHz-QPSK-26640-50RB#0



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

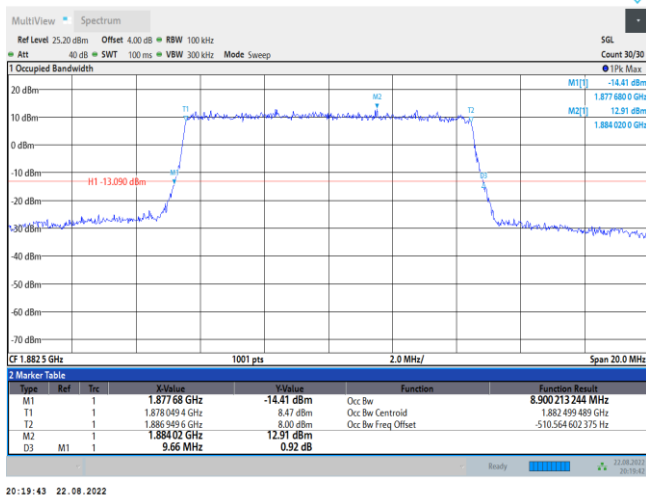


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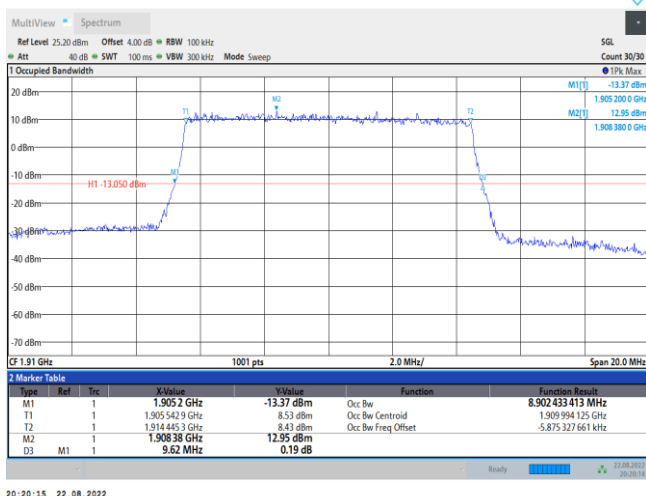
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Band25-10MHz-16QAM-26365-50RB#0



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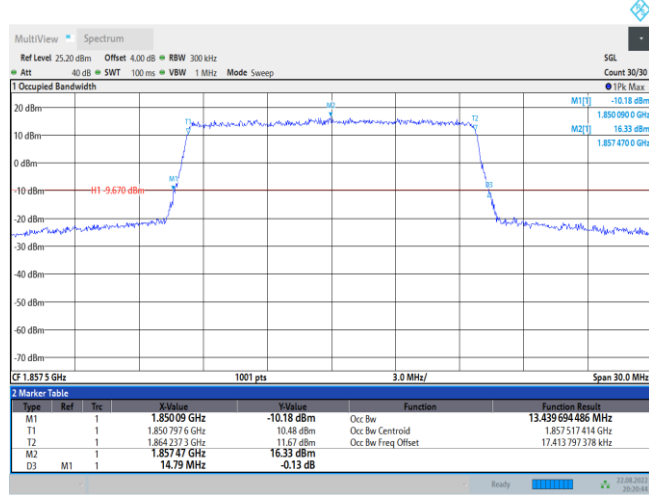


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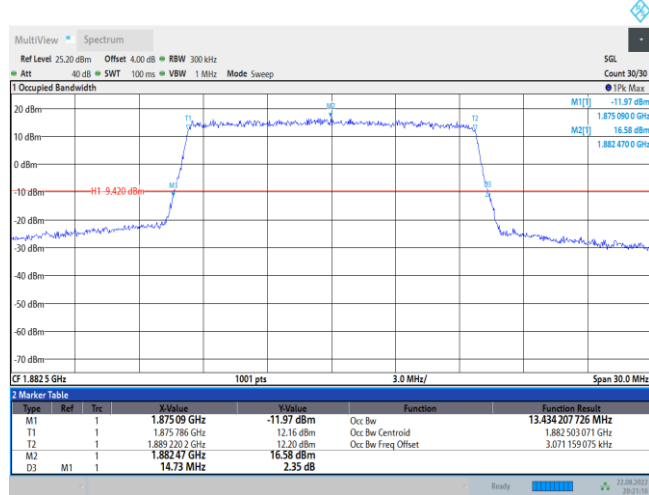
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Band25-15MHz-QPSK-26115-75RB#0



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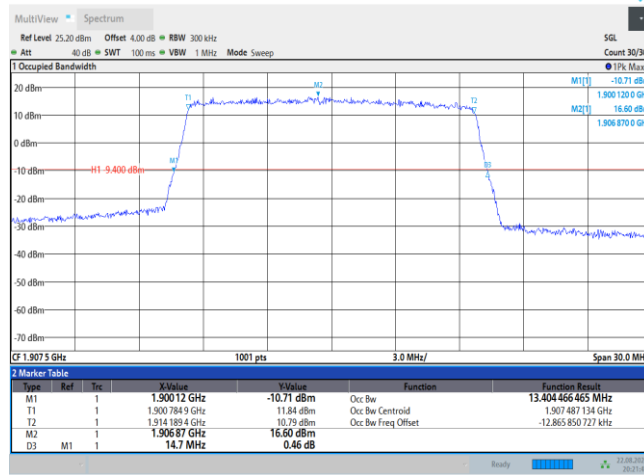


20:21:17 22.08.2022



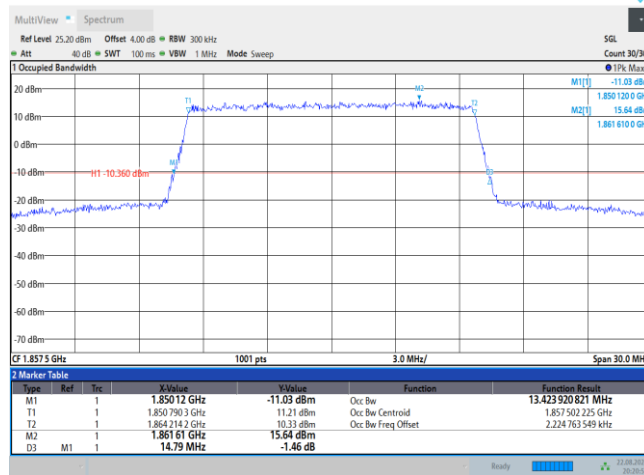
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Band25-15MHz-QPSK-26615-75RB#0



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Band25-15MHz-16QAM-26115-75RB#0



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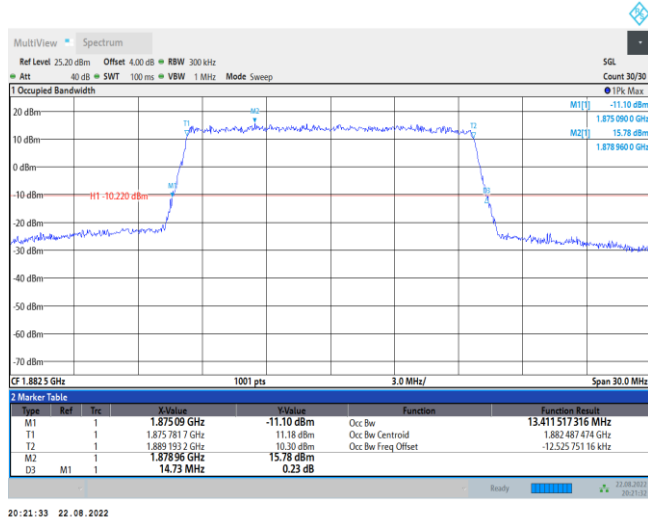
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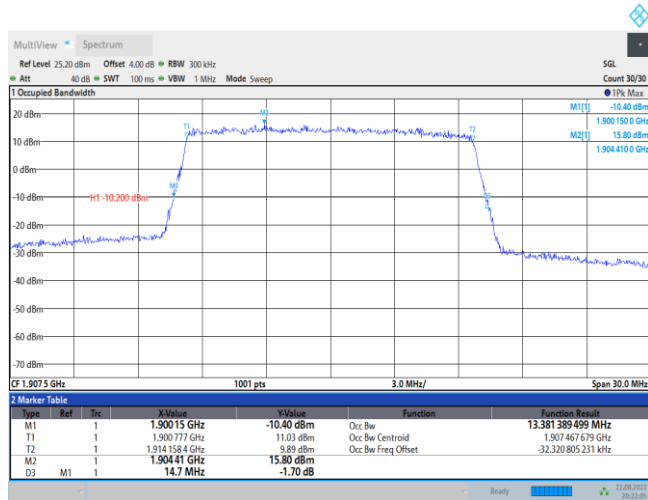
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Band25-15MHz-16QAM-26615-75RB#0

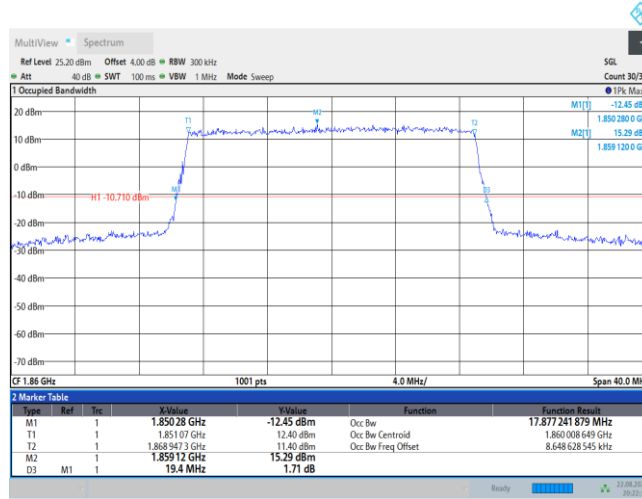


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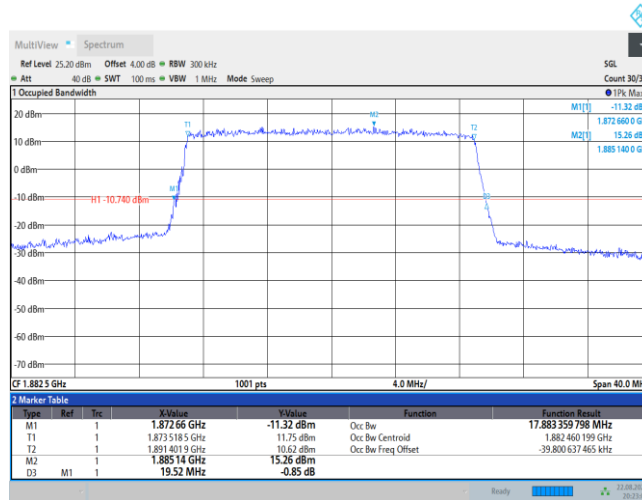
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Band25-20MHz-QPSK-26140-100RB#0



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20:23:08 22.08.2022



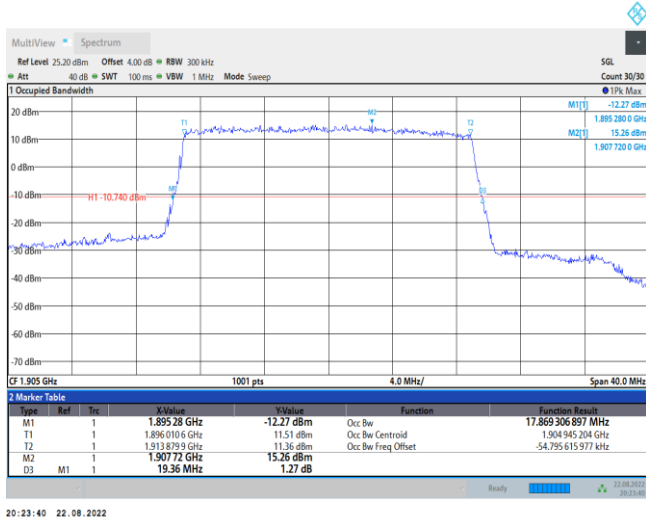
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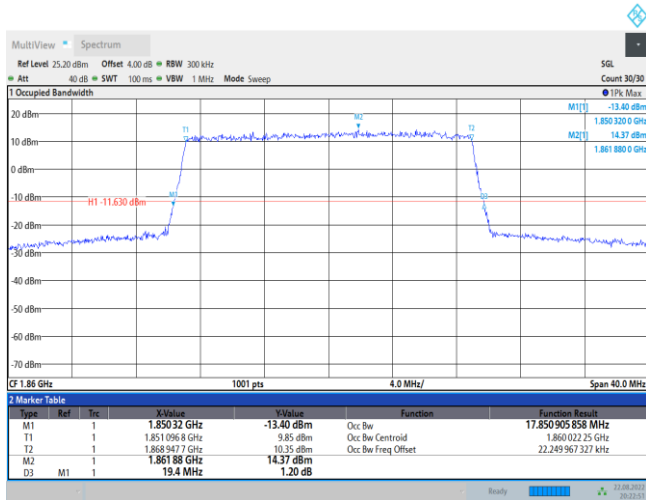
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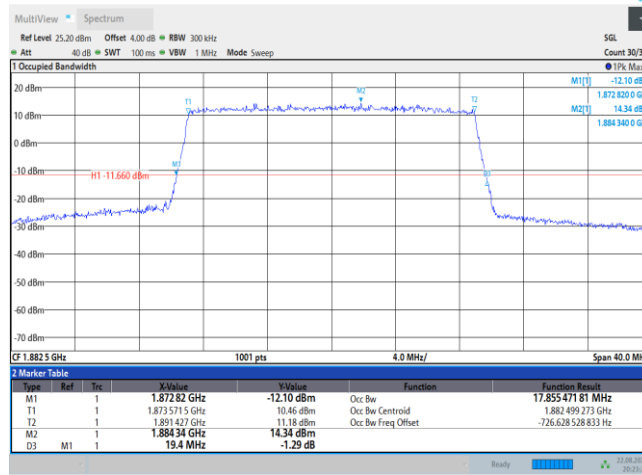


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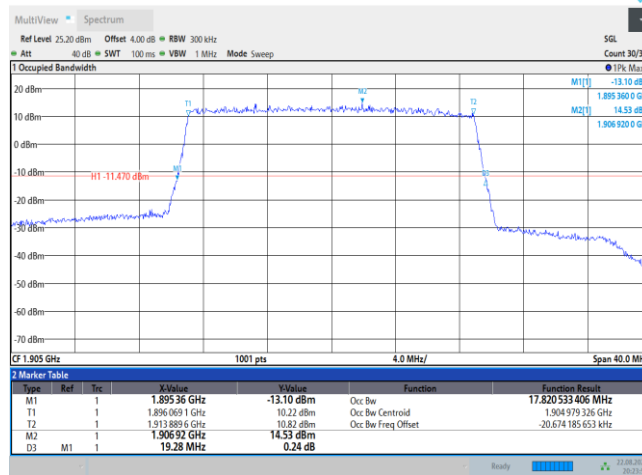
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Band25-20MHz-16QAM-26365-100RB#0



20:23:24 22.08.2022

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



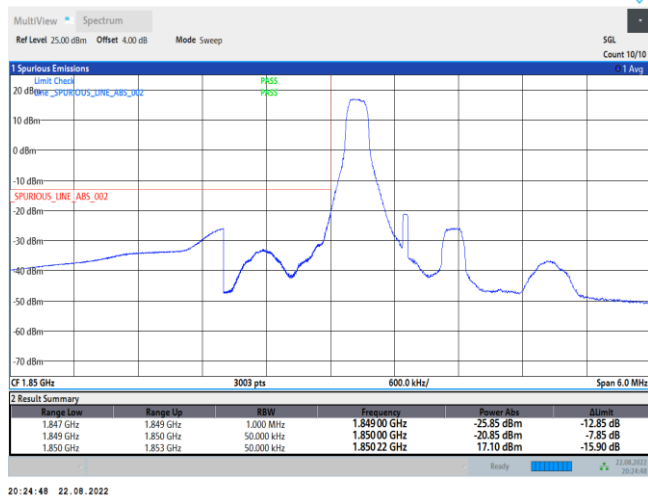
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Band Edge

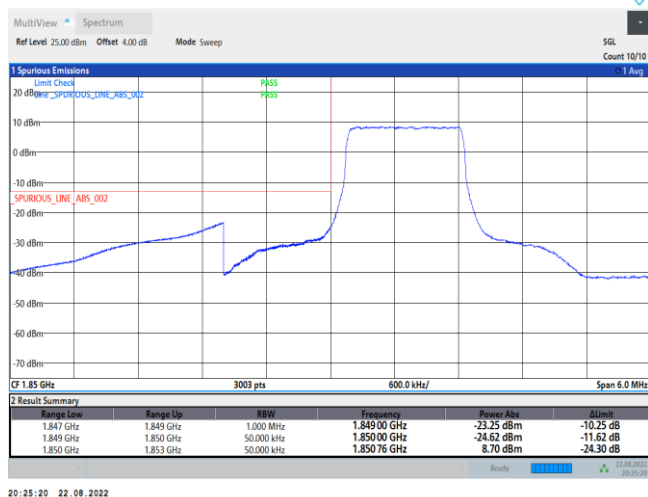
Test Graphs

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



20:24:48 22.08.2022

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



20:25:20 22.08.2022



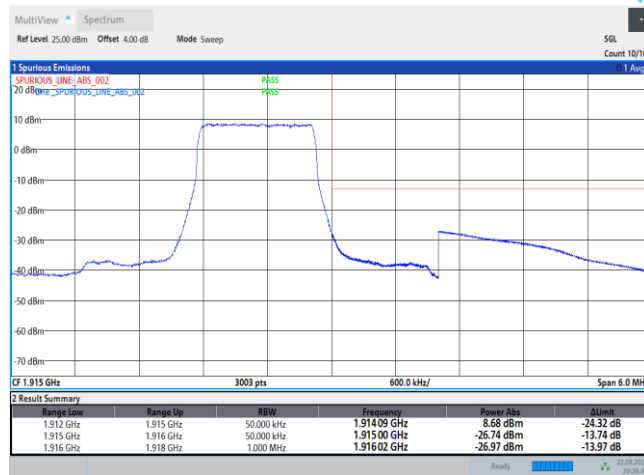
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Band25-1.4MHz-QPSK-26683-1RB#5



20:26:11 22.08.2022

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



20:26:45 22.08.2022



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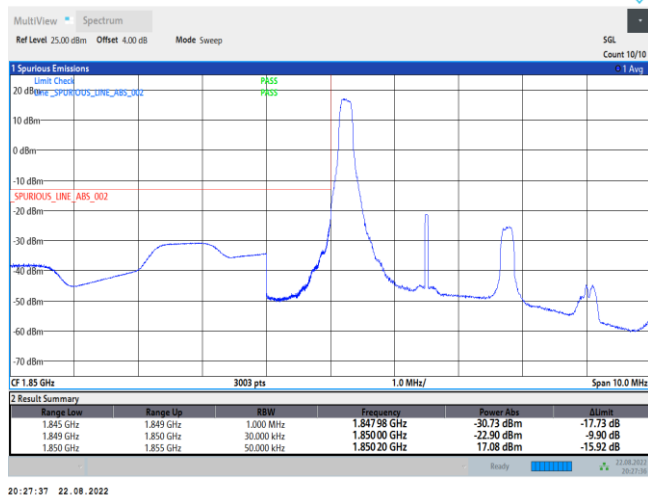
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Band25-3MHz-QPSK-26055-1RB#0



20:27:37 22.08.2022

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



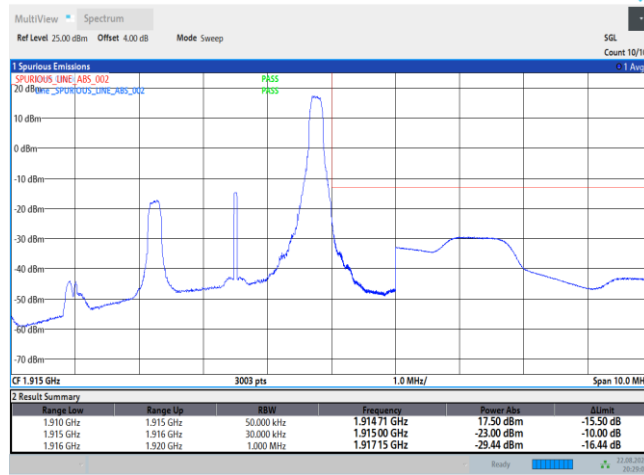
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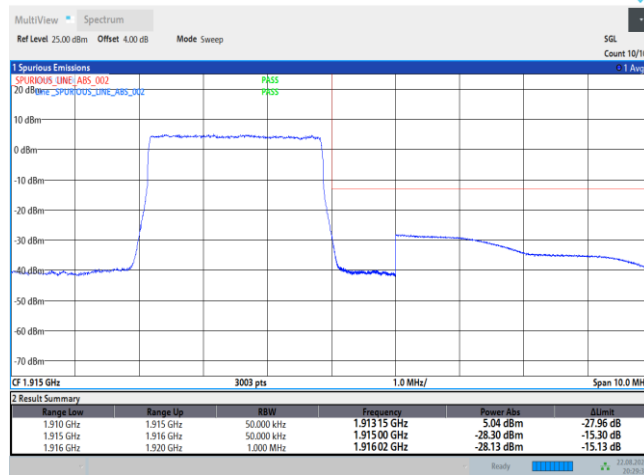
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Band25-3MHz-QPSK-26675-1RB#14



20:29:00 22.08.2022

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



20:29:32 22.08.2022



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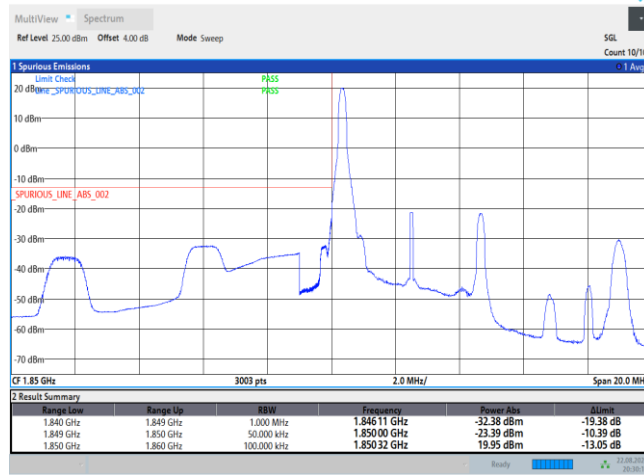
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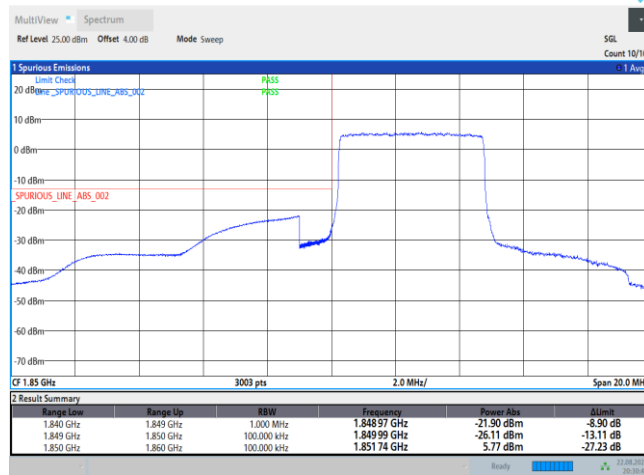
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Band25-5MHz-QPSK-26065-1RB#0



20:30:19 22.08.2022

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



20:30:42 22.08.2022



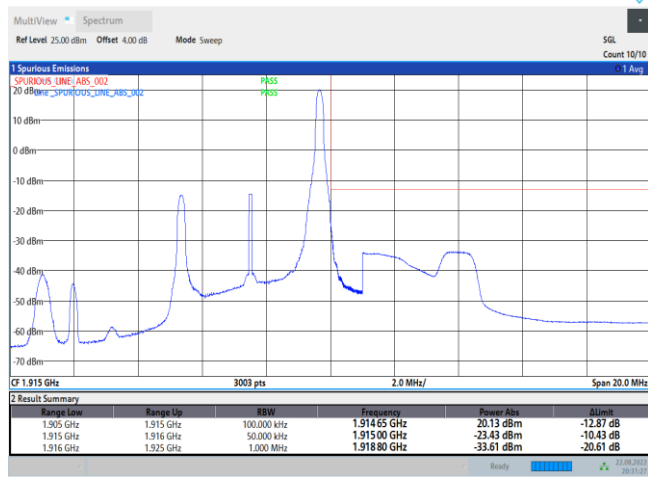
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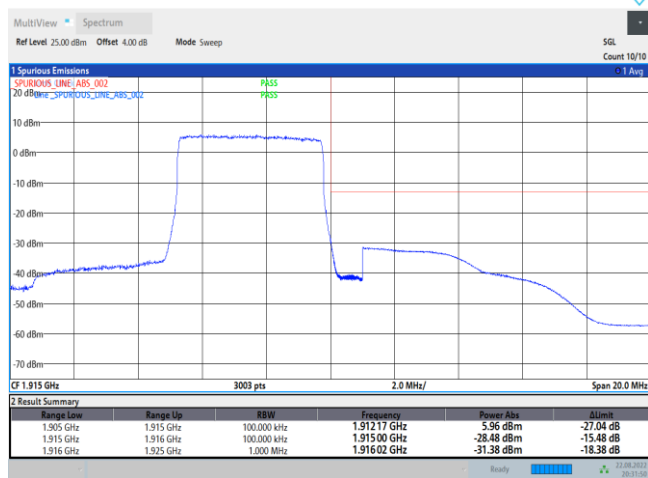
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Band25-5MHz-QPSK-26665-1RB#24



20:31:28 22.08.2022

Band25-5MHz-QPSK-26665-25RB#0

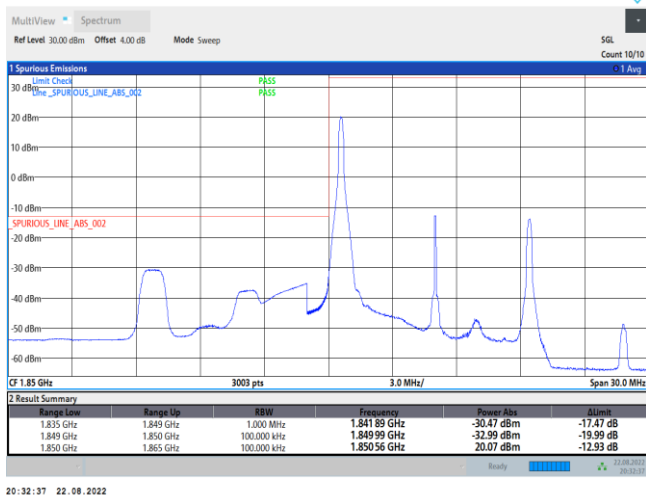


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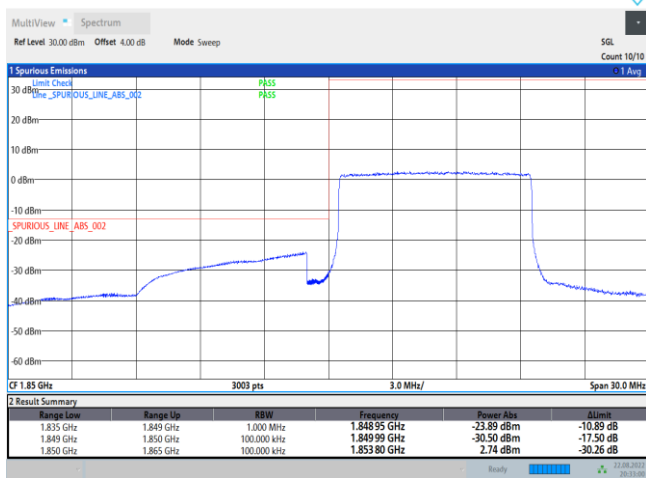
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Band25-10MHz-QPSK-26090-1RB#0



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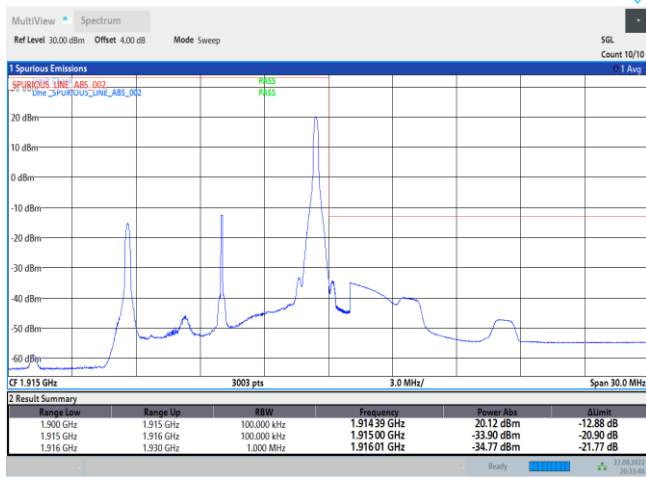


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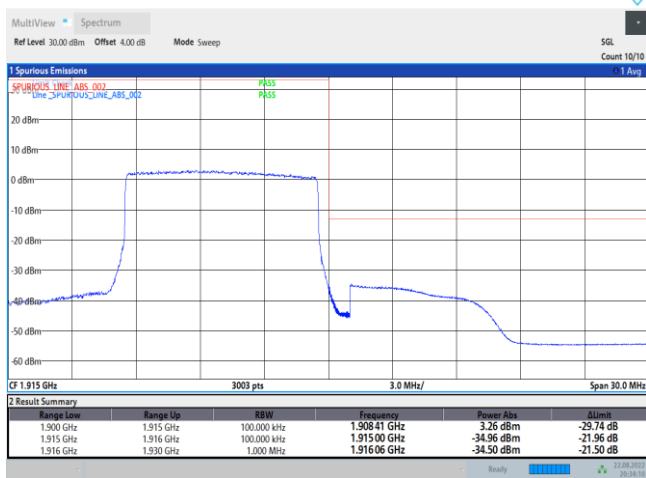
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Band25-10MHz-QPSK-26640-1RB#49



20:33:47 22.08.2022

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

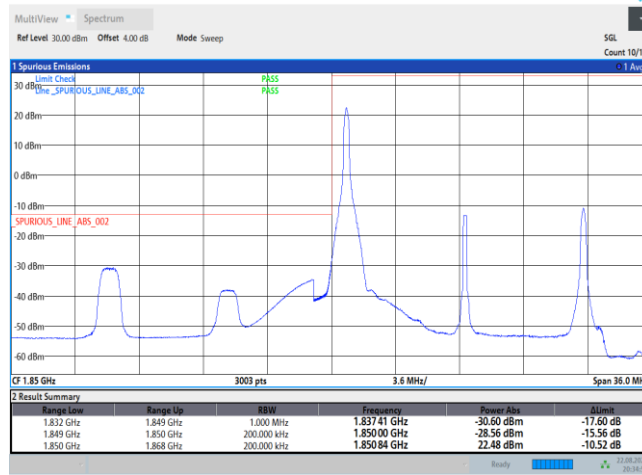


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Band25-15MHz-QPSK-26115-1RB#0

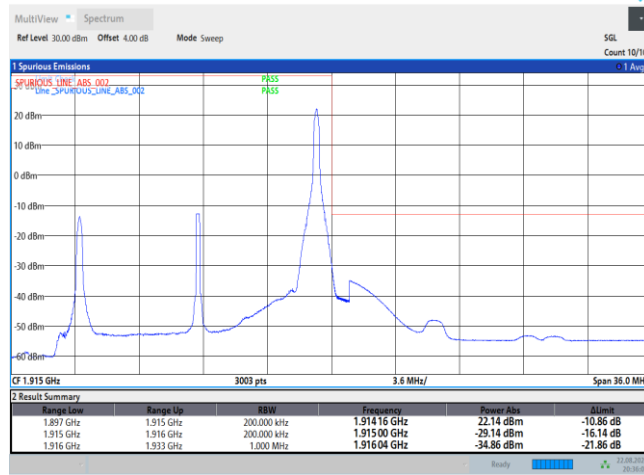


Band25-15MHz-QPSK-26115-75RB#0



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



20:36:06 22.08.2022

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



20:36:29 22.08.2022



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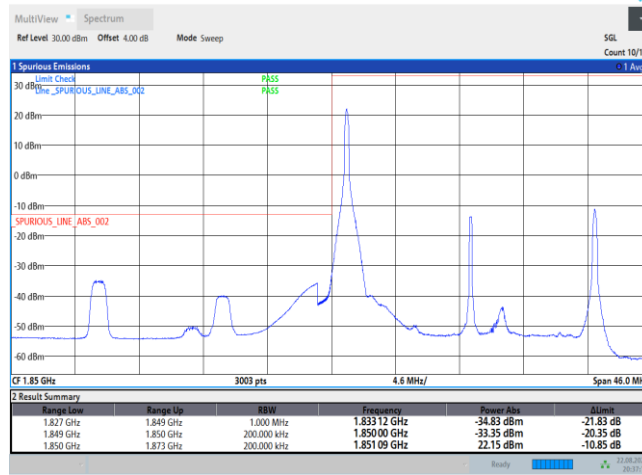
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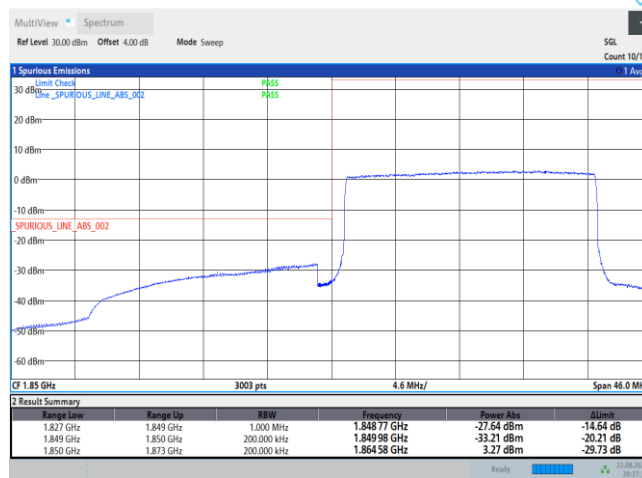
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Band25-20MHz-QPSK-26140-1RB#0



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

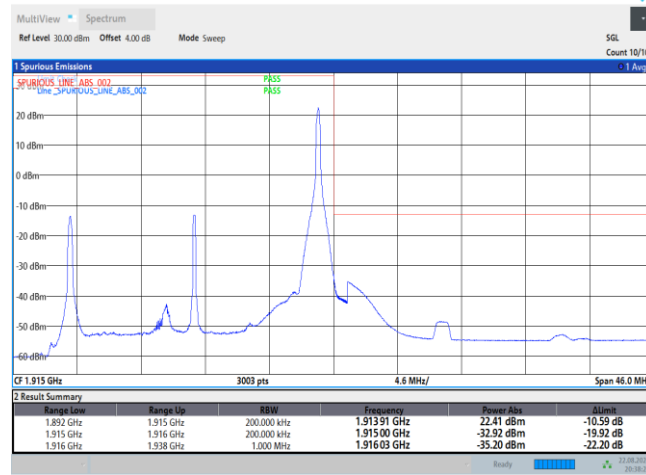


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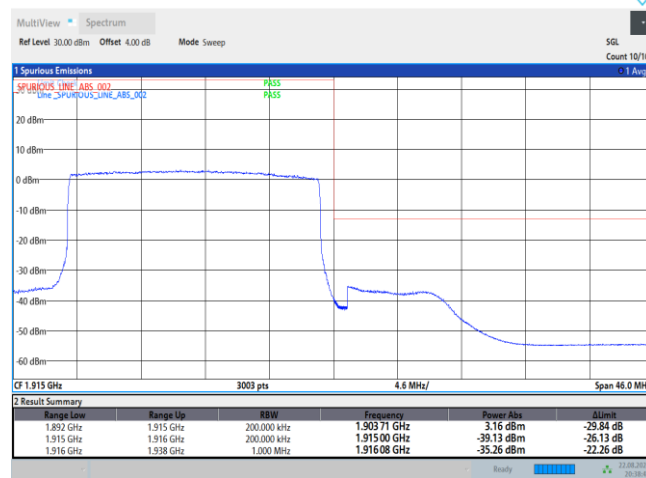
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Band25-20MHz-QPSK-26590-1RB#99



20:38:24 22.08.2022

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



20:38:48 22.08.2022



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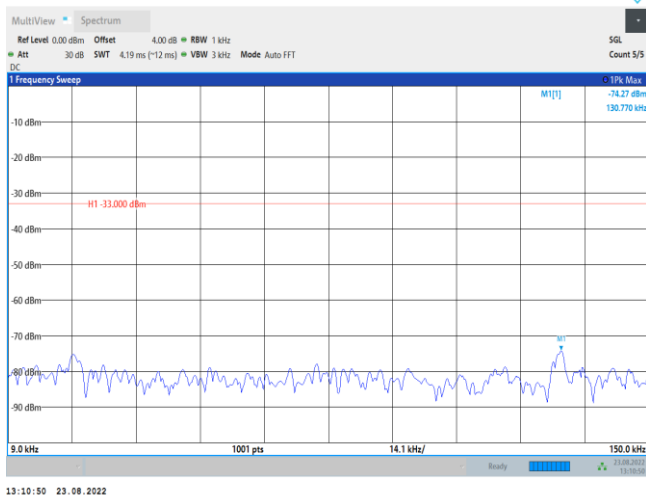
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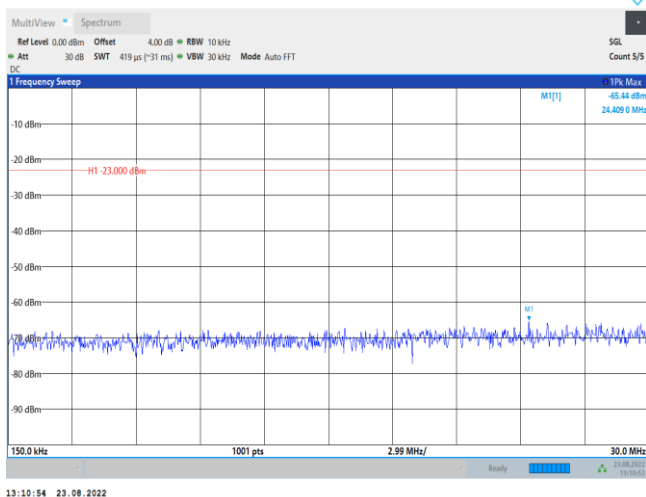
Conducted Spurious Emission

Test Graphs

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

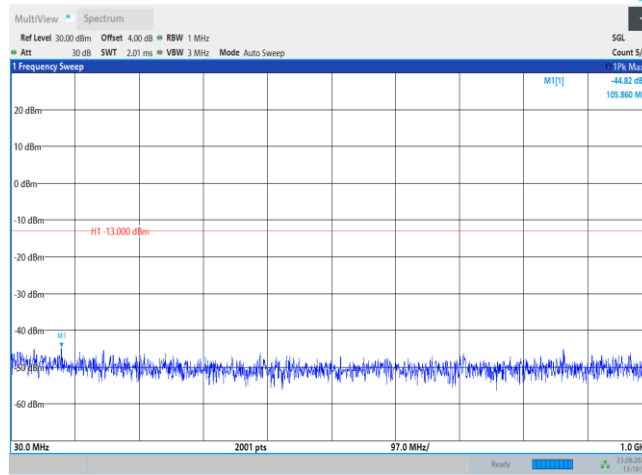


Band25-20MHz-QPSK-26140-1RB#0-Range2:0.15~30MHz



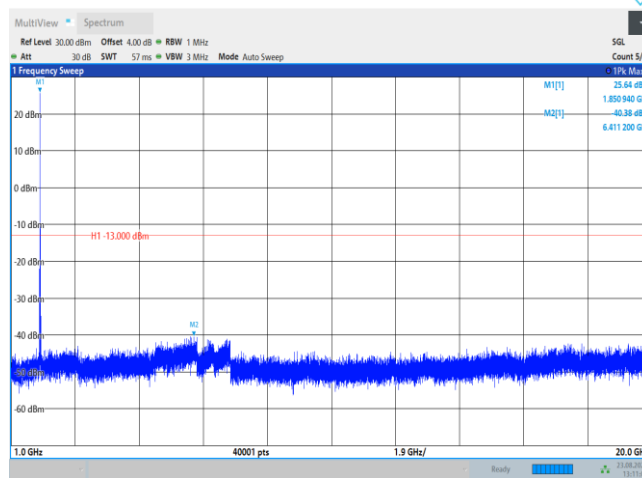
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Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



13:10:58 23.08.2022

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



13:11:02 23.08.2022



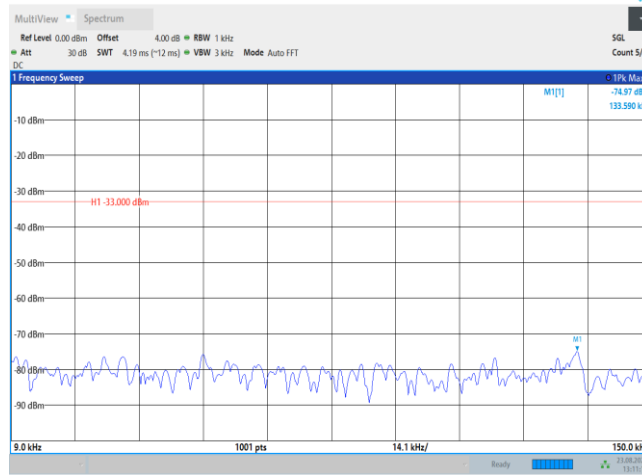
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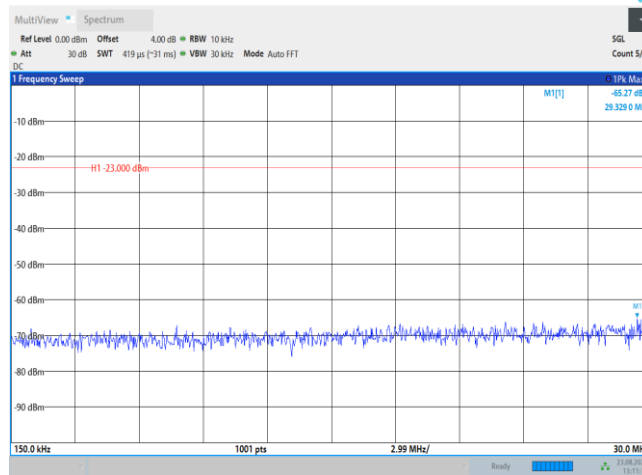
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Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



13:11:16 23.08.2022

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



13:11:19 23.08.2022



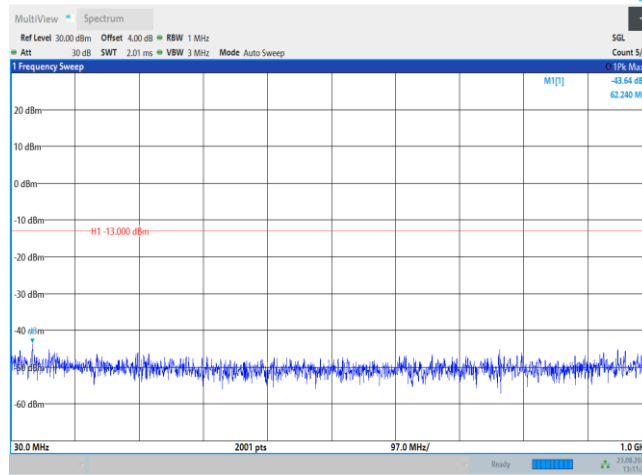
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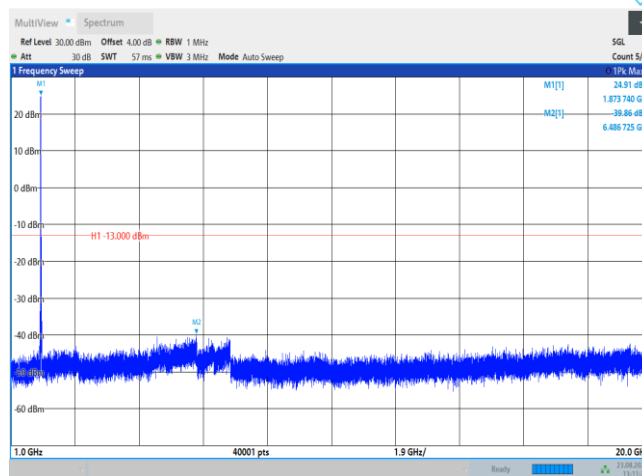
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Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz



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



13:11:28 23.08.2022



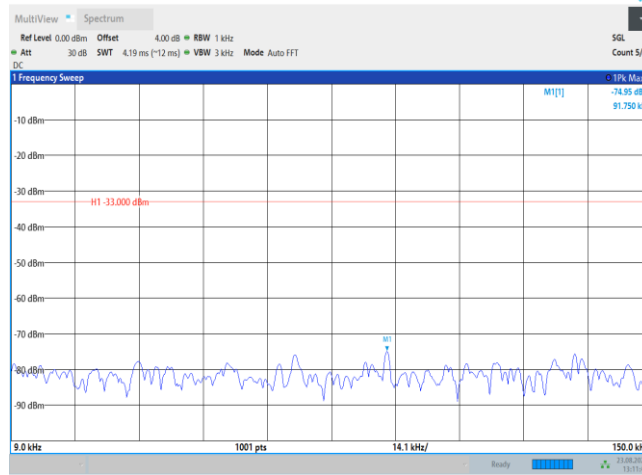
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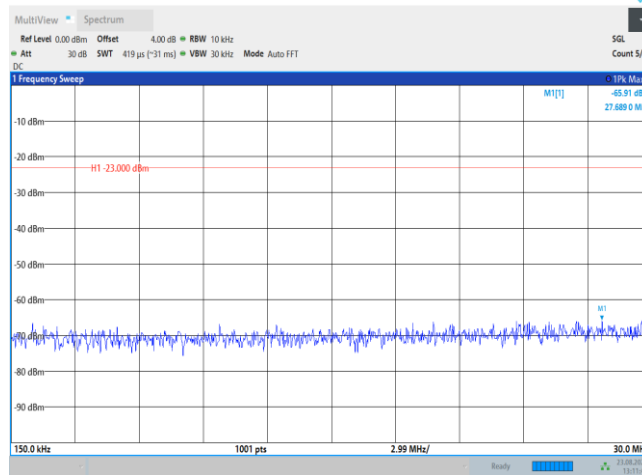
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Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



13:11:41 23.08.2022

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



13:11:45 23.08.2022



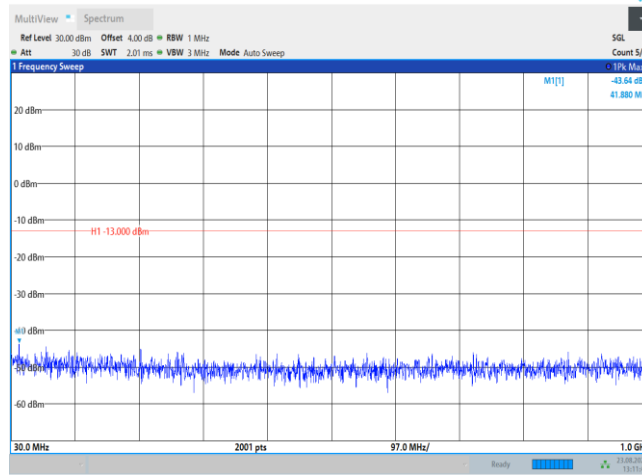
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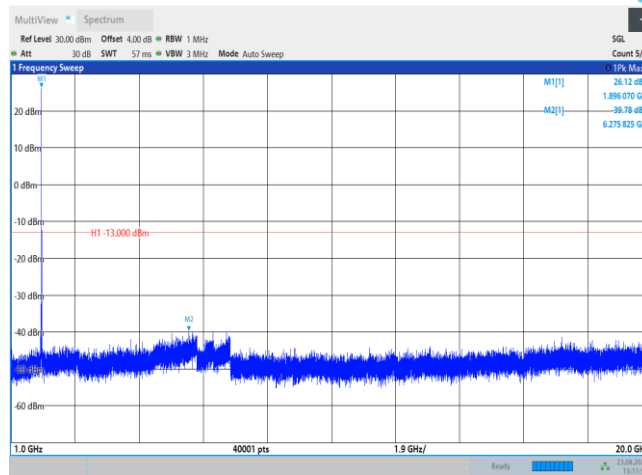
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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



13:11:49 23.08.2022

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



13:11:53 23.08.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band25_ TM1
 Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	62.99	-45.51	29.98	-47.80	-13.00	34.80	254	354	Horizontal
2	5553.2700	65.03	-45.15	32.97	-42.41	-13.00	29.41	126	359	Horizontal
3	7404.3600	46.02	-43.40	36.49	-56.15	-13.00	43.15	233	4	Horizontal
4	9255.4500	38.41	-40.23	38.38	-58.70	-13.00	45.70	216	197	Horizontal
5	11106.5400	34.73	-37.93	39.09	-59.37	-13.00	46.37	199	166	Horizontal
6	12957.6300	34.28	-37.24	39.79	-58.43	-13.00	45.43	142	4	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	71.31	-45.51	29.98	-39.48	-13.00	26.48	215	354	Vertical
2	5553.2700	53.03	-45.15	32.97	-54.41	-13.00	41.41	145	335	Vertical
3	7404.3600	45.63	-43.40	36.49	-56.54	-13.00	43.54	126	152	Vertical
4	9255.4500	38.49	-40.23	38.38	-58.62	-13.00	45.62	261	243	Vertical
5	11106.5400	34.11	-37.93	39.09	-59.99	-13.00	46.99	145	4	Vertical
6	12957.6300	33.94	-37.24	39.79	-58.77	-13.00	45.77	185	358	Vertical



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Test Band = LTE Band25_ TM1
 Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	61.50	-45.68	30.12	-49.32	-13.00	36.32	213	167	Horizontal
2	5613.2700	63.18	-45.04	33.07	-44.05	-13.00	31.05	255	182	Horizontal
3	7484.3600	44.37	-43.18	36.45	-57.62	-13.00	44.62	149	153	Horizontal
4	9355.4500	40.07	-40.00	38.46	-56.74	-13.00	43.74	168	77	Horizontal
5	11226.5400	35.85	-37.40	39.11	-57.70	-13.00	44.70	175	182	Horizontal
6	13097.6300	32.58	-37.01	39.87	-59.81	-13.00	46.81	140	153	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	71.33	-45.68	30.12	-39.49	-13.00	26.49	251	304	Vertical
2	5613.2700	54.86	-45.04	33.07	-52.37	-13.00	39.37	145	289	Vertical
3	7484.3600	46.51	-43.18	36.45	-55.48	-13.00	42.48	133	46	Vertical
4	9355.4500	40.11	-40.00	38.46	-56.70	-13.00	43.70	261	228	Vertical
5	11226.5400	35.74	-37.40	39.11	-57.81	-13.00	44.81	199	31	Vertical
6	13097.6300	32.03	-37.01	39.87	-60.36	-13.00	47.36	142	358	Vertical



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Test Band = LTE Band25_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3792.1800	61.82	-45.89	30.30	-49.03	-13.00	36.03	251	75	Horizontal
2	5688.2700	65.98	-44.87	33.34	-40.81	-13.00	27.81	145	59	Horizontal
3	7584.3600	44.72	-42.96	36.40	-57.10	-13.00	44.10	175	320	Horizontal
4	9480.4500	40.70	-40.15	38.47	-56.24	-13.00	43.24	194	360	Horizontal
5	11376.5400	34.52	-37.38	39.11	-59.01	-13.00	46.01	155	4	Horizontal
6	13272.6300	32.20	-36.97	40.00	-60.02	-13.00	47.02	130	121	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3792.1800	68.53	-45.89	30.30	-42.32	-13.00	29.32	211	108	Vertical
2	5688.2700	58.66	-44.87	33.34	-48.13	-13.00	35.13	145	359	Vertical
3	7584.3600	45.34	-42.96	36.40	-56.48	-13.00	43.48	120	290	Vertical
4	9480.4500	40.48	-40.15	38.47	-56.46	-13.00	43.46	236	336	Vertical
5	11376.5400	34.11	-37.38	39.11	-59.42	-13.00	46.42	261	4	Vertical
6	13272.6300	30.41	-36.97	40.00	-61.81	-13.00	48.81	155	108	Vertical

Remark:

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

Level = Reading Level(dBuV) + AF(dB/m) + Factor(dB)

AF = Antenna Factor(dB/m)

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

Margin = Limit(dBm) - Level(dBm)

dBuV=dbm+95.26



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 Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	0.70	0.000372	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	2.60	0.001381	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	1.00	0.000531	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	1.50	0.000797	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	1.20	0.000637	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	1.10	0.000584	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	1.60	0.000850	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	1.90	0.001009	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	2.00	0.001062	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	0.20	0.000106	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	3.30	0.001753	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	2.20	0.001169	PASS

---End of Attachment---



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