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# Appendix B.10

## 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	23.63	27.63	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.62	27.58	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.55	27.45	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.66	27.49	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.58	27.38	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.70	26.53	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.53	26.93	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.67	26.94	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.45	25.75	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.49	26.96	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.38	27.03	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.53	26.88	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.93	25.73	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.94	26.66	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.80	26.69	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.75	26.68	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.96	25.61	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	23.03	25.75	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.88	25.83	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.73	25.7	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.66	24.66	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.69	25.75	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.68	25.88	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.61	25.79	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	21.75	24.67	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#2	21.83	25.58	33	PASS



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Band25	1.4MHz	64QAM	26047	1RB#5	21.70	27.6	33	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	20.66	27.65	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	21.75	27.43	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#2	21.88	27.42	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#5	21.79	27.42	33	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	20.67	26.58	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	21.58	26.8	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#2	21.68	26.82	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#5	21.52	25.76	33	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	20.46	27.02	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.60	27	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.60	27	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.58	25.77	33	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.69	26.59	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.65	26.68	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.70	26.68	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.70	25.59	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.75	25.79	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.43	25.91	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.42	25.81	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.42	24.72	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.58	25.93	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.80	25.86	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.94	25.94	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.82	24.77	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.76	25.58	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	23.02	27.68	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	23.00	27.68	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	23.00	27.44	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.77	27.45	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.59	27.46	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.68	26.59	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.68	26.85	33	PASS



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Band25	3MHz	16QAM	26675	15RB#0	21.59	26.87	33	PASS
Band25	3MHz	64QAM	26055	1RB#0	21.79	25.72	33	PASS
Band25	3MHz	64QAM	26055	1RB#8	21.91	26.98	33	PASS
Band25	3MHz	64QAM	26055	1RB#14	21.81	27.09	33	PASS
Band25	3MHz	64QAM	26055	15RB#0	20.72	26.95	33	PASS
Band25	3MHz	64QAM	26365	1RB#0	21.93	25.81	33	PASS
Band25	3MHz	64QAM	26365	1RB#8	21.86	26.69	33	PASS
Band25	3MHz	64QAM	26365	1RB#14	21.94	26.77	33	PASS
Band25	3MHz	64QAM	26365	15RB#0	20.77	26.62	33	PASS
Band25	3MHz	64QAM	26675	1RB#0	21.58	25.55	33	PASS
Band25	3MHz	64QAM	26675	1RB#8	21.68	25.81	33	PASS
Band25	3MHz	64QAM	26675	1RB#14	21.66	25.86	33	PASS
Band25	3MHz	64QAM	26675	15RB#0	20.58	25.81	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.68	24.73	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.60	25.96	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.59	25.95	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.70	25.92	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.68	24.74	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.69	25.65	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.70	27.77	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.73	27.81	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.44	27.52	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.45	27.45	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.46	27.47	33	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.59	26.57	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.85	26.79	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.87	26.93	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.80	27.05	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.72	26.96	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.98	27.03	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	23.09	25.79	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.95	26.76	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.81	26.82	33	PASS



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Band25	5MHz	16QAM	26665	1RB#0	22.69	26.6	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.77	25.6	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.62	25.87	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.55	25.8	33	PASS
Band25	5MHz	64QAM	26065	1RB#0	21.81	25.88	33	PASS
Band25	5MHz	64QAM	26065	1RB#12	21.86	24.77	33	PASS
Band25	5MHz	64QAM	26065	1RB#24	21.81	26.06	33	PASS
Band25	5MHz	64QAM	26065	25RB#0	20.73	25.92	33	PASS
Band25	5MHz	64QAM	26365	1RB#0	21.96	25.98	33	PASS
Band25	5MHz	64QAM	26365	1RB#12	21.95	24.8	33	PASS
Band25	5MHz	64QAM	26365	1RB#24	21.92	25.74	33	PASS
Band25	5MHz	64QAM	26365	25RB#0	20.74	27.57	33	PASS
Band25	5MHz	64QAM	26665	1RB#0	21.65	27.64	33	PASS
Band25	5MHz	64QAM	26665	1RB#12	21.66	27.65	33	PASS
Band25	5MHz	64QAM	26665	1RB#24	21.60	27.51	33	PASS
Band25	5MHz	64QAM	26665	25RB#0	20.57	27.48	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.77	26.67	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.62	26.81	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.64	26.79	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.72	25.69	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.81	26.93	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.71	27.09	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.71	27	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.77	25.81	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.52	26.99	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.45	26.78	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.47	26.76	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.57	25.68	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.79	25.75	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.81	25.8	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.93	25.71	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.76	24.69	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	23.05	25.98	33	PASS



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Band25	10MHz	16QAM	26365	1RB#24	22.96	25.95	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	23.03	25.93	33	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.79	24.78	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.76	25.87	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.82	27.65	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.60	27.69	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.60	27.65	33	PASS
Band25	10MHz	64QAM	26090	1RB#0	21.87	27.52	33	PASS
Band25	10MHz	64QAM	26090	1RB#24	21.80	27.44	33	PASS
Band25	10MHz	64QAM	26090	1RB#49	21.88	26.66	33	PASS
Band25	10MHz	64QAM	26090	50RB#0	20.77	26.79	33	PASS
Band25	10MHz	64QAM	26365	1RB#0	22.06	25.73	33	PASS
Band25	10MHz	64QAM	26365	1RB#24	21.92	27.02	33	PASS
Band25	10MHz	64QAM	26365	1RB#49	21.98	27.1	33	PASS
Band25	10MHz	64QAM	26365	50RB#0	20.80	26.97	33	PASS
Band25	10MHz	64QAM	26640	1RB#0	21.74	25.8	33	PASS
Band25	10MHz	64QAM	26640	1RB#24	21.71	26.99	33	PASS
Band25	10MHz	64QAM	26640	1RB#49	21.68	26.79	33	PASS
Band25	10MHz	64QAM	26640	50RB#0	20.55	26.62	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.57	25.7	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.60	25.79	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.61	25.73	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.67	25.81	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.64	24.73	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.72	25.99	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.69	26.03	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.78	25.8	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.65	24.77	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.51	25.84	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.48	27.63	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.67	27.58	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.81	27.45	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.79	27.49	33	PASS



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Band25	15MHz	16QAM	26115	75RB#0	21.69	26.53	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.93	26.93	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	23.09	26.94	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	23.00	25.75	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.81	26.96	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.99	27.03	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.78	26.88	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.76	25.73	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.68	26.66	33	PASS
Band25	15MHz	64QAM	26115	1RB#0	21.75	26.69	33	PASS
Band25	15MHz	64QAM	26115	1RB#38	21.80	26.68	33	PASS
Band25	15MHz	64QAM	26115	1RB#74	21.71	25.61	33	PASS
Band25	15MHz	64QAM	26115	75RB#0	20.69	25.75	33	PASS
Band25	15MHz	64QAM	26365	1RB#0	21.98	25.83	33	PASS
Band25	15MHz	64QAM	26365	1RB#38	21.95	25.7	33	PASS
Band25	15MHz	64QAM	26365	1RB#74	21.93	24.66	33	PASS
Band25	15MHz	64QAM	26365	75RB#0	20.78	25.75	33	PASS
Band25	15MHz	64QAM	26615	1RB#0	21.87	25.88	33	PASS
Band25	15MHz	64QAM	26615	1RB#38	21.77	25.79	33	PASS
Band25	15MHz	64QAM	26615	1RB#74	21.65	24.67	33	PASS
Band25	15MHz	64QAM	26615	75RB#0	20.71	25.58	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.65	27.6	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.52	27.65	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.65	27.43	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.66	27.42	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.69	27.42	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.73	26.58	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.63	26.8	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.72	26.82	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.65	25.76	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.52	27.02	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.44	27	33	PASS



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Band25	20MHz	QPSK	26590	100RB#0	22.66	27	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.79	25.77	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.81	26.59	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.80	26.68	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.73	26.68	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	23.02	25.59	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	23.10	25.79	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.97	25.91	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.80	25.81	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.99	24.72	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.79	25.93	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.62	25.86	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.70	25.94	33	PASS
Band25	20MHz	64QAM	26140	1RB#0	21.79	24.77	33	PASS
Band25	20MHz	64QAM	26140	1RB#49	21.73	25.58	33	PASS
Band25	20MHz	64QAM	26140	1RB#99	21.81	27.68	33	PASS
Band25	20MHz	64QAM	26140	100RB#0	20.73	27.68	33	PASS
Band25	20MHz	64QAM	26365	1RB#0	21.99	27.44	33	PASS
Band25	20MHz	64QAM	26365	1RB#49	22.03	27.45	33	PASS
Band25	20MHz	64QAM	26365	1RB#99	21.80	27.46	33	PASS
Band25	20MHz	64QAM	26365	100RB#0	20.77	26.59	33	PASS
Band25	20MHz	64QAM	26590	1RB#0	21.84	26.85	33	PASS
Band25	20MHz	64QAM	26590	1RB#49	21.68	26.87	33	PASS
Band25	20MHz	64QAM	26590	1RB#99	21.60	25.72	33	PASS
Band25	20MHz	64QAM	26590	100RB#0	20.71	26.98	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	5.04	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.64	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.50	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.82	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.50	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.38	13	PASS
Band25	20MHz	64QAM	26140	100RB#0	6.30	13	PASS
Band25	20MHz	64QAM	26365	100RB#0	6.82	13	PASS
Band25	20MHz	64QAM	26590	100RB#0	6.72	13	PASS



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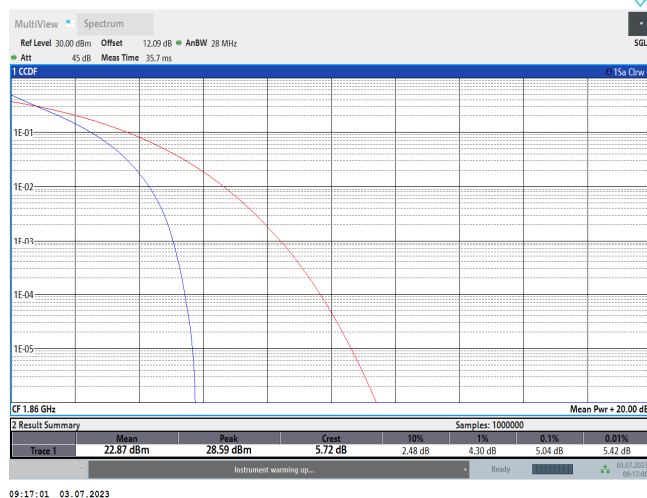
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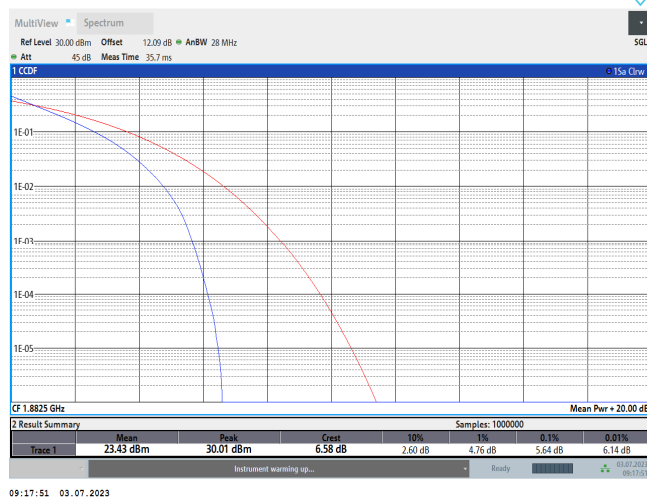
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### Test Graphs

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



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



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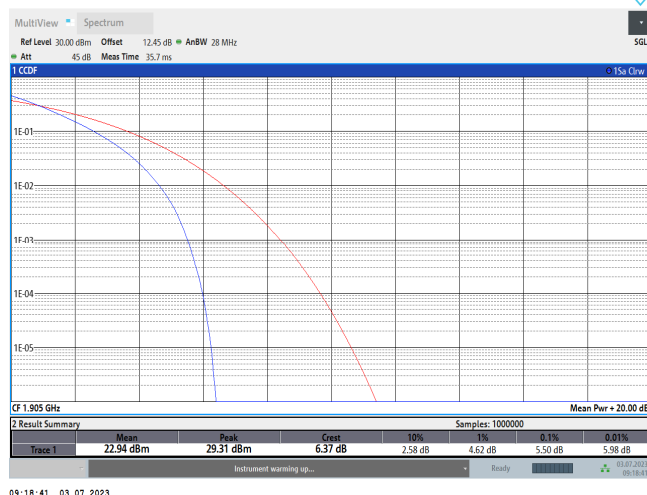
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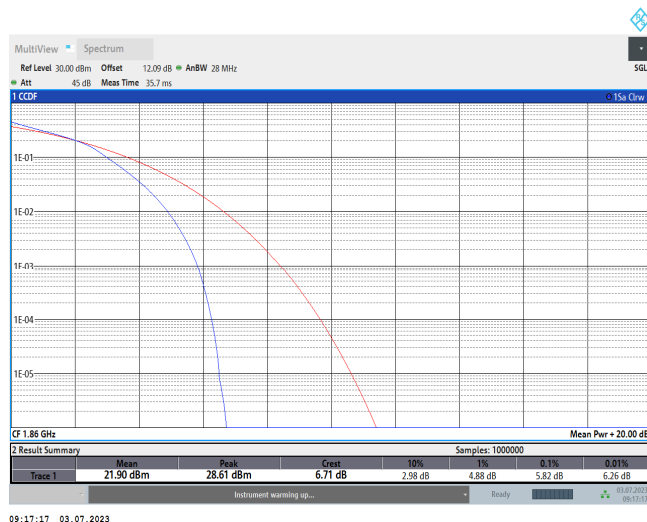
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### Band25-20MHz-QPSK-26590-100RB#0



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



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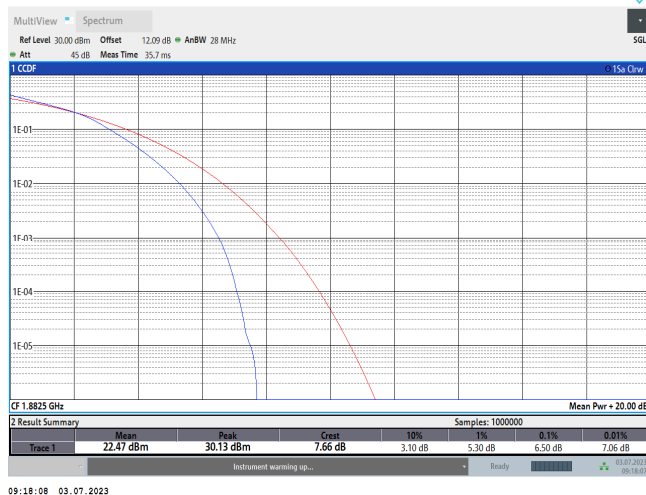
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### Band25-20MHz-16QAM-26365-100RB#0



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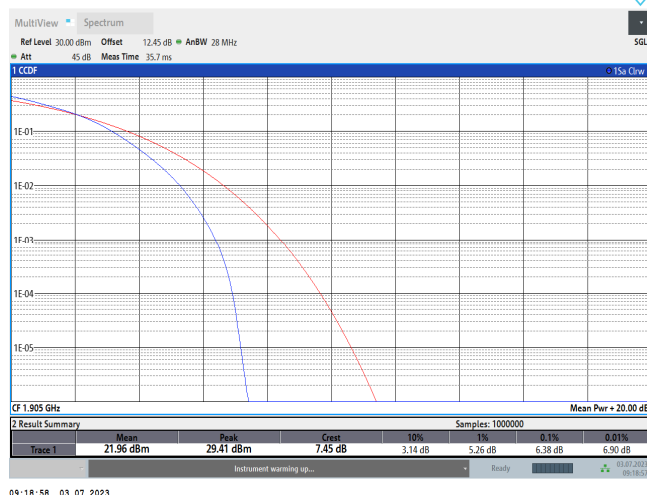


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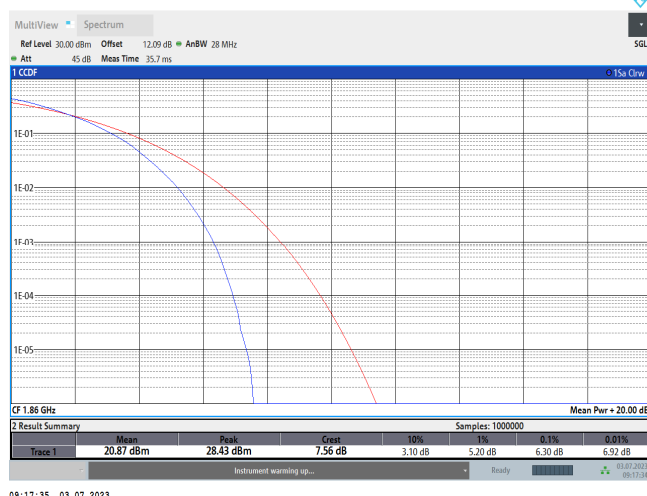
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### Band25-20MHz-16QAM-26590-100RB#0



09:18:58 03.07.2023

### Band25-20MHz-64QAM-26140-100RB#0



09:17:35 03.07.2023



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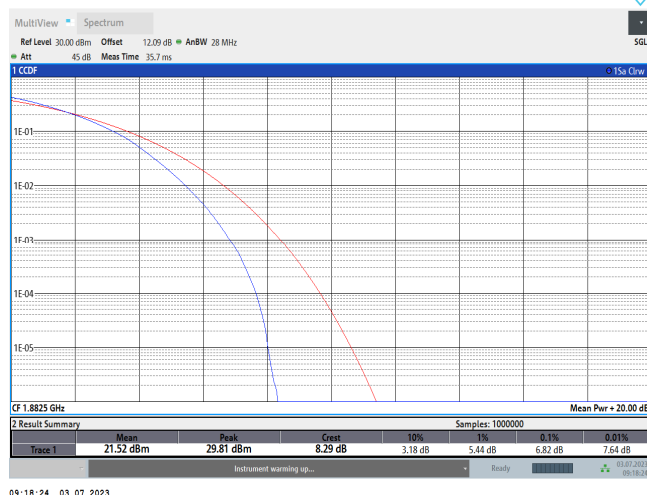
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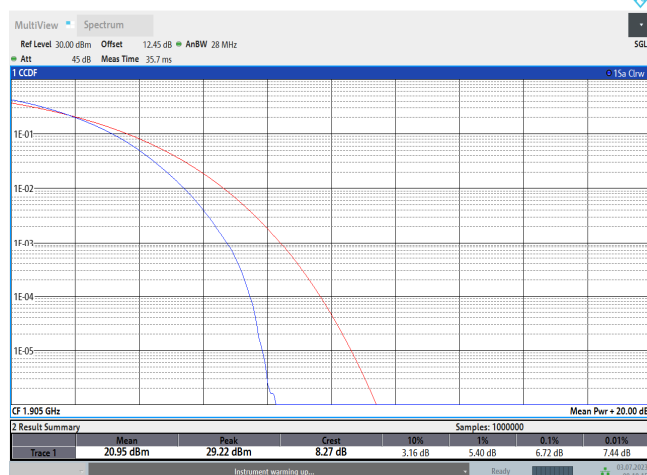
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### Band25-20MHz-64QAM-26365-100RB#0



09:18:24 03.07.2023

### Band25-20MHz-64QAM-26590-100RB#0



09:19:15 03.07.2023



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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
Band25	20MHz	64QAM	26365	100RB#0	PASS	PASS



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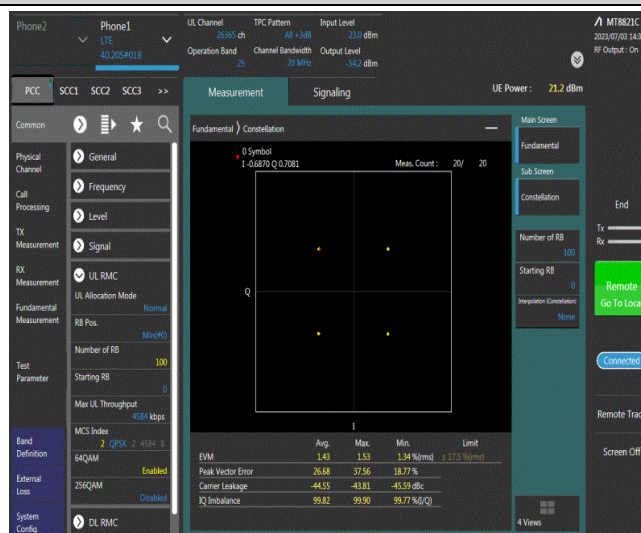
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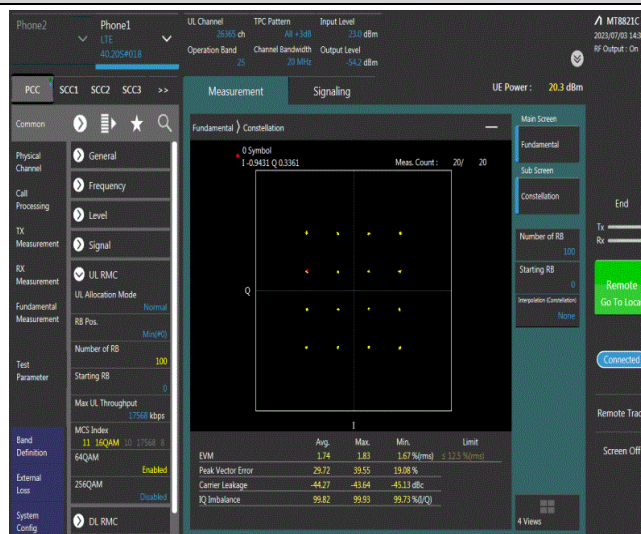
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### Test Graphs

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



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



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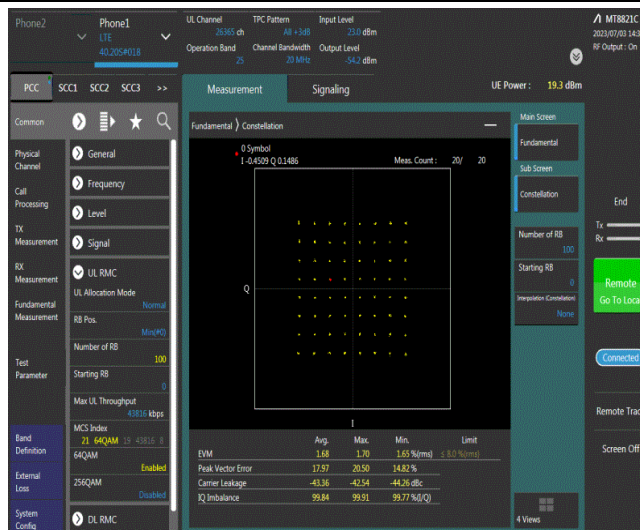


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### Band25-20MHz-64QAM-26365-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.085	1.24	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.086	1.24	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.085	1.23	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.092	1.24	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.092	1.24	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.093	1.24	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	1.09	1.24	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	1.092	1.24	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	1.092	1.24	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	2.99	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.696	2.99	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.694	2.98	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.69	2.98	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.687	2.99	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.688	2.99	PASS
Band25	3MHz	64QAM	26055	15RB#0	2.689	2.95	PASS
Band25	3MHz	64QAM	26365	15RB#0	2.691	2.95	PASS
Band25	3MHz	64QAM	26675	15RB#0	2.688	2.95	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.473	4.88	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.472	4.86	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.47	4.88	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.468	4.90	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.471	4.92	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.464	4.86	PASS
Band25	5MHz	64QAM	26065	25RB#0	4.48	4.92	PASS
Band25	5MHz	64QAM	26365	25RB#0	4.476	4.92	PASS
Band25	5MHz	64QAM	26665	25RB#0	4.477	4.92	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.931	9.62	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.948	9.66	PASS



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Band25	10MHz	QPSK	26640	50RB#0	8.911	9.58	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.919	9.62	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.919	9.58	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.908	9.58	PASS
Band25	10MHz	64QAM	26090	50RB#0	8.933	9.62	PASS
Band25	10MHz	64QAM	26365	50RB#0	8.934	9.68	PASS
Band25	10MHz	64QAM	26640	50RB#0	8.916	9.62	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.438	14.79	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.484	14.70	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.471	14.70	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.442	14.73	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.467	14.76	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.433	14.73	PASS
Band25	15MHz	64QAM	26115	75RB#0	13.423	14.79	PASS
Band25	15MHz	64QAM	26365	75RB#0	13.44	14.85	PASS
Band25	15MHz	64QAM	26615	75RB#0	13.431	14.82	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.889	19.40	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.947	19.44	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.938	19.28	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.873	19.32	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.908	19.40	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.904	19.32	PASS
Band25	20MHz	64QAM	26140	100RB#0	17.855	19.56	PASS
Band25	20MHz	64QAM	26365	100RB#0	17.919	19.44	PASS
Band25	20MHz	64QAM	26590	100RB#0	17.904	19.40	PASS



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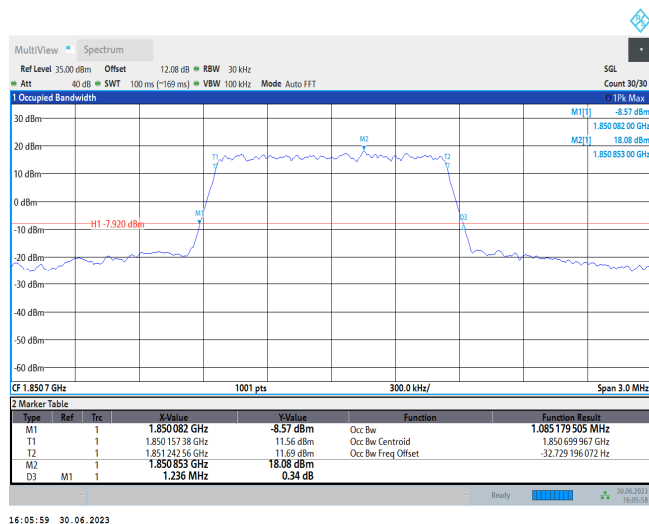
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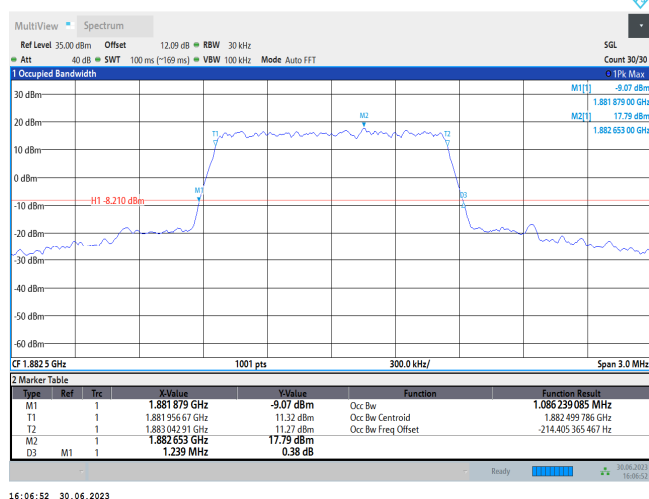
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## Test Graphs

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



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



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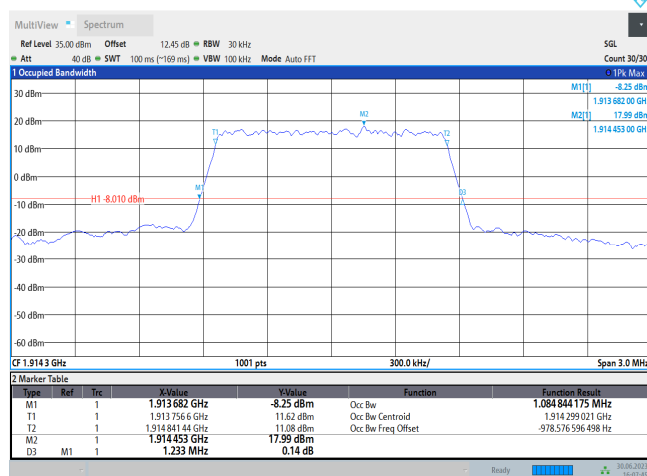


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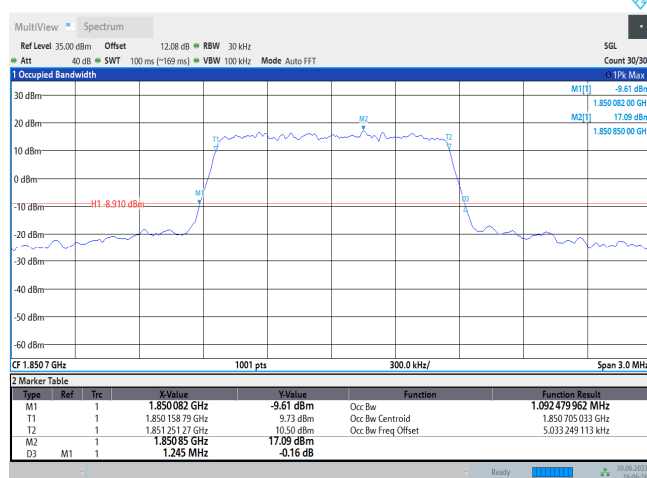
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## Band25-1.4MHz-16QAM-26047-6RB#0



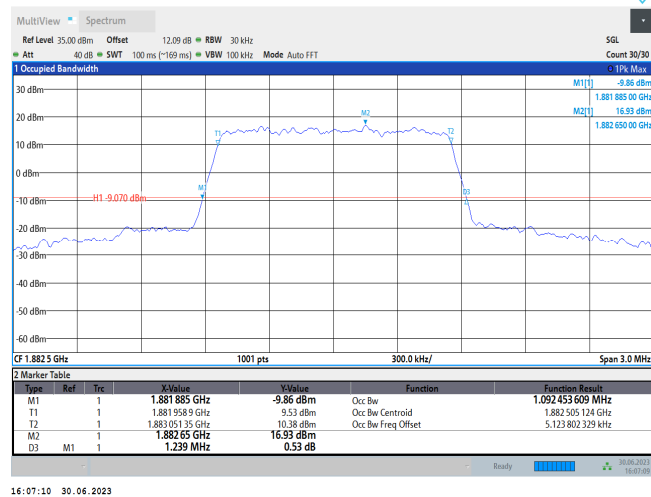
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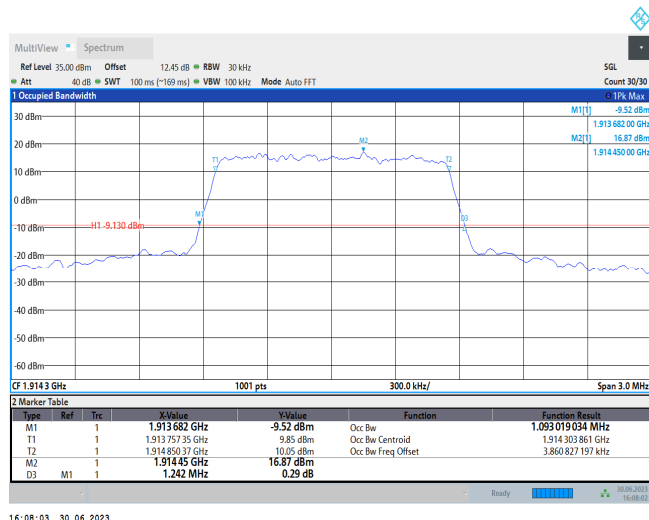


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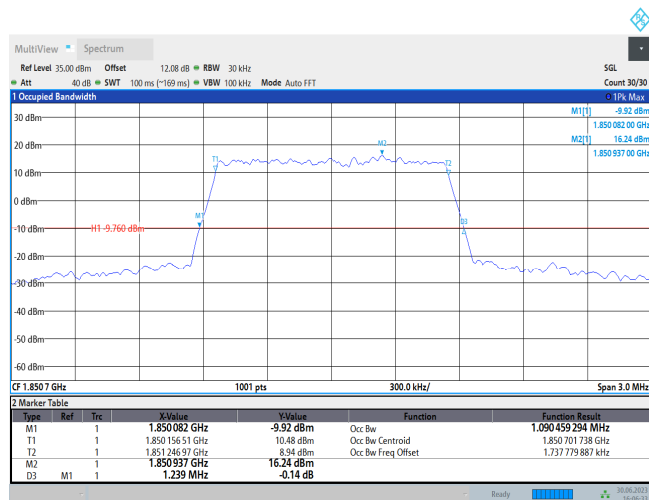
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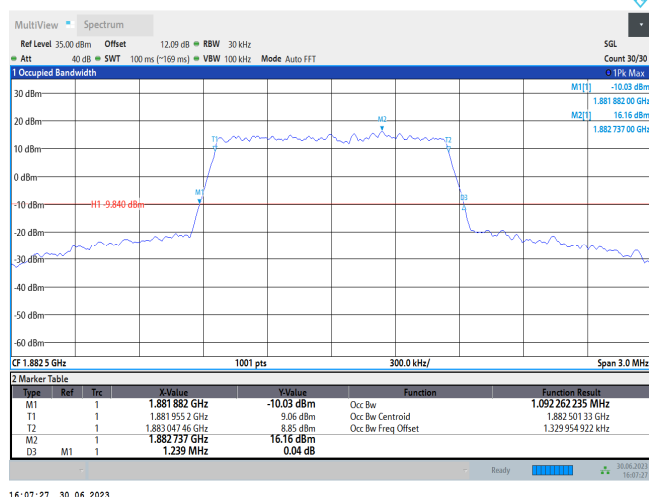
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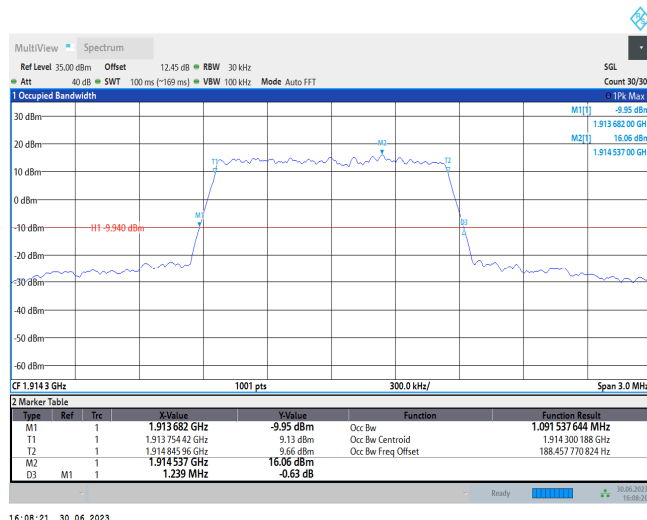


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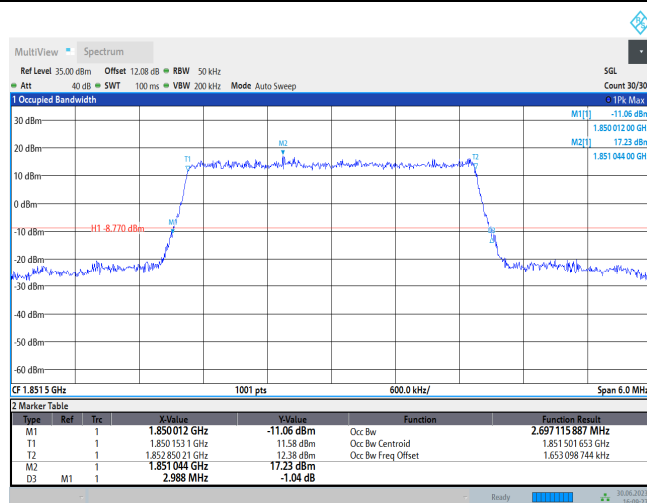
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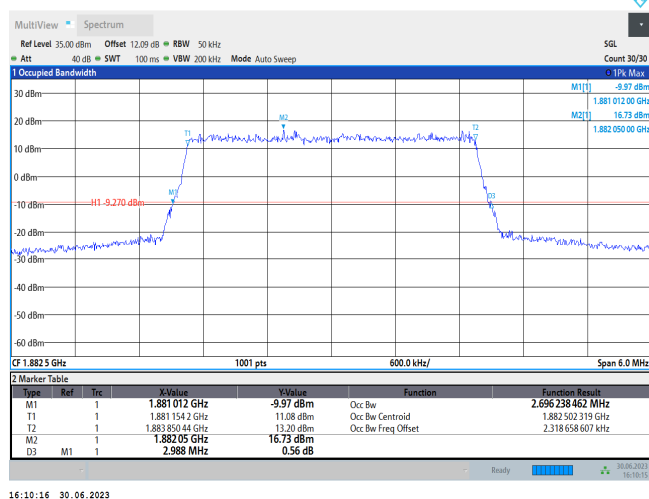
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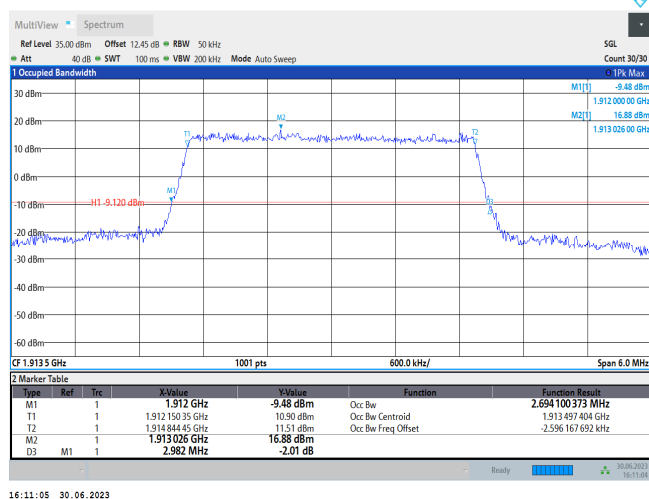


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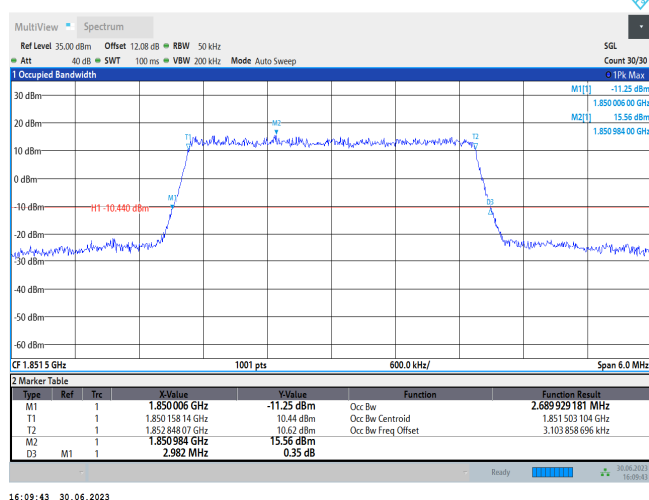
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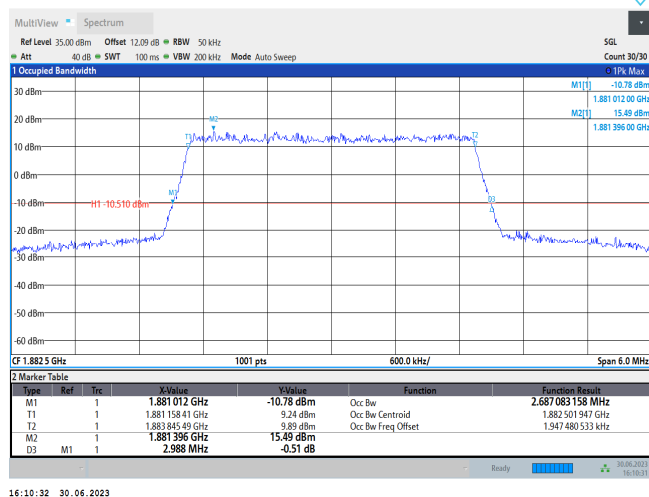
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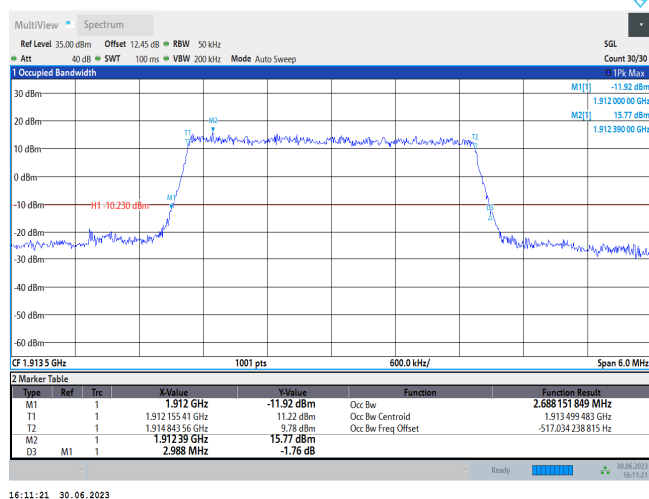
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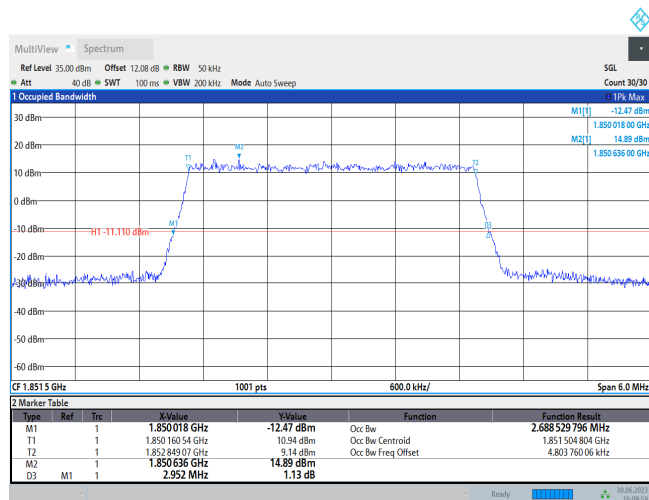
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## Band25-3MHz-16QAM-26675-15RB#0



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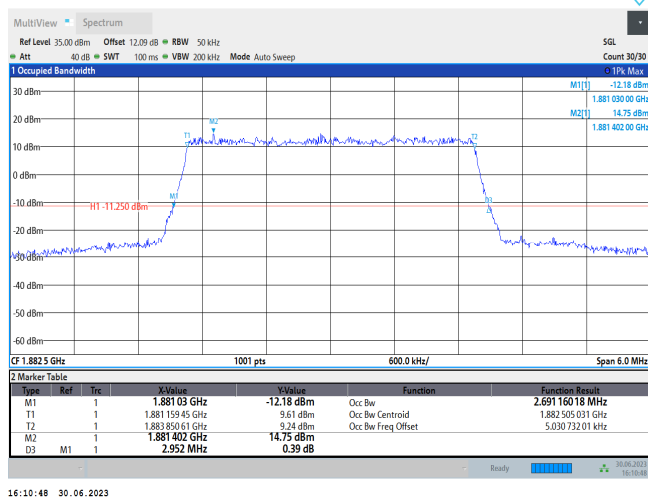


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### Band25-3MHz-64QAM-26365-15RB#0



16:10:48 30.06.2023



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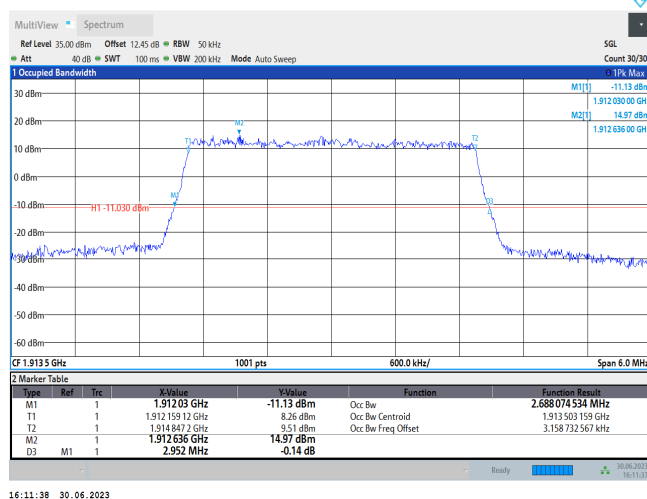
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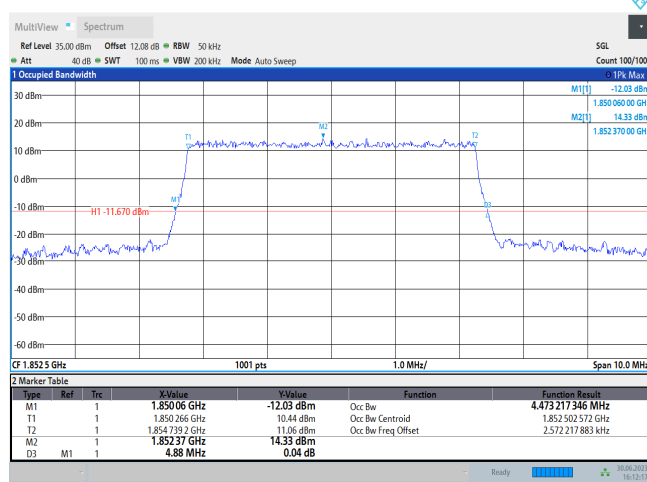
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## Band25-3MHz-64QAM-26675-15RB#0



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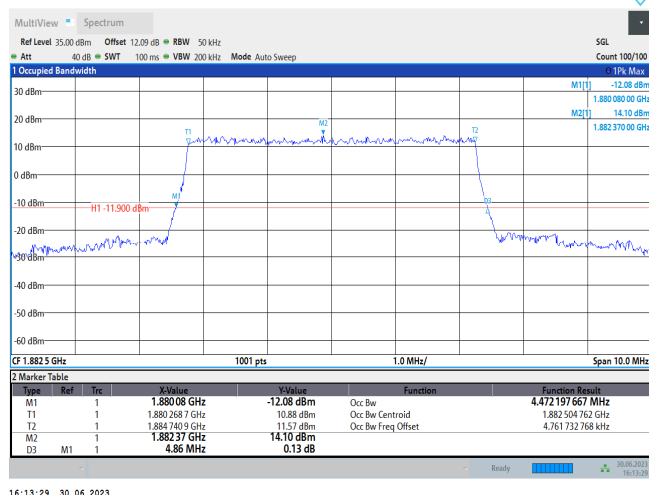
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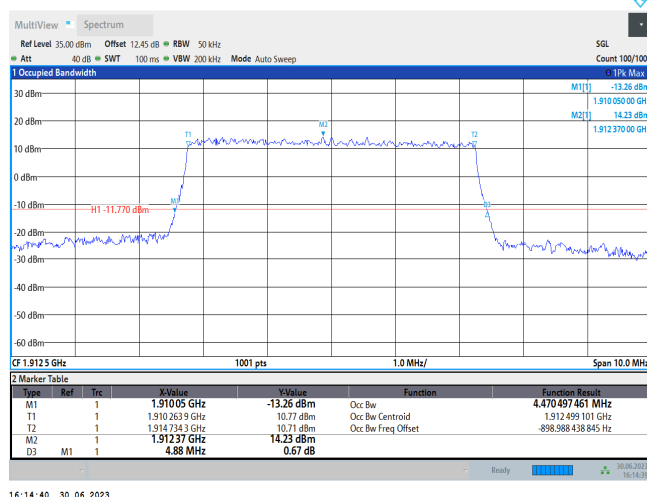
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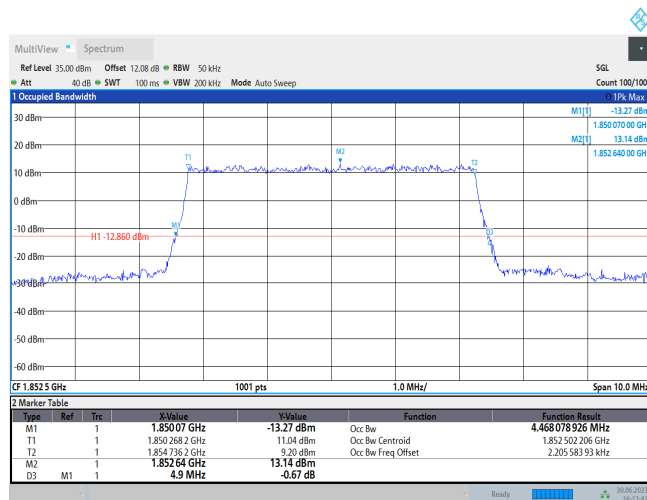
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## Band25-5MHz-QPSK-26665-25RB#0



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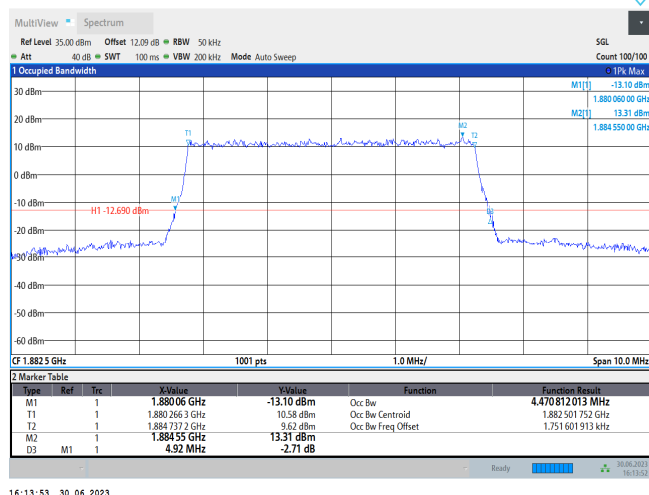
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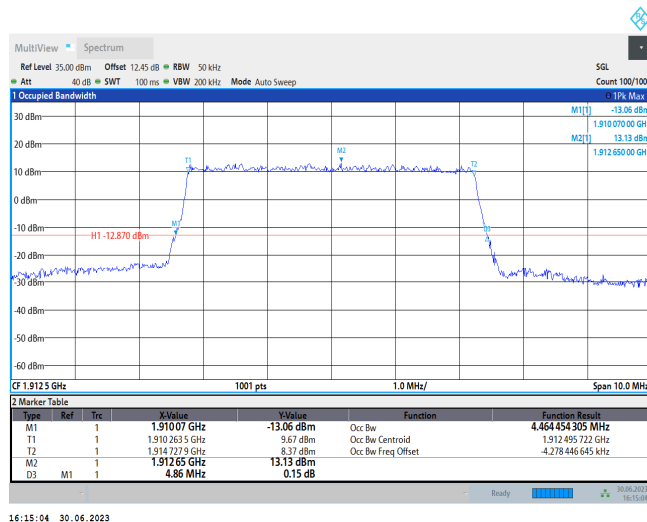


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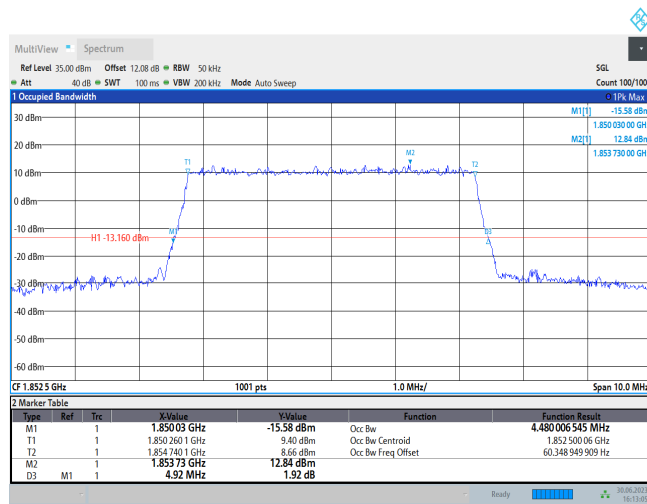
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## Band25-5MHz-16QAM-26665-25RB#0



16:15:04 30.06.2023

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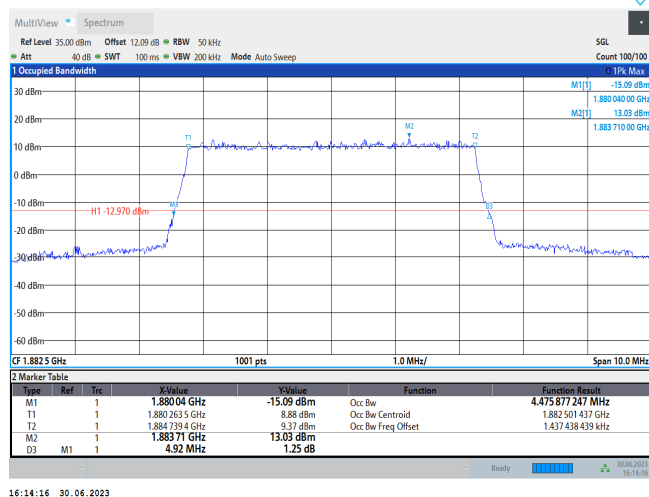
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Report No.: XEWM2306000327RG01

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## Band25-5MHz-64QAM-26365-25RB#0

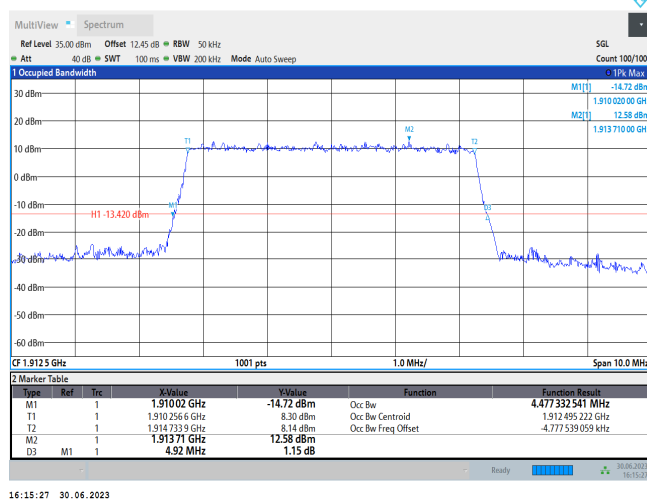


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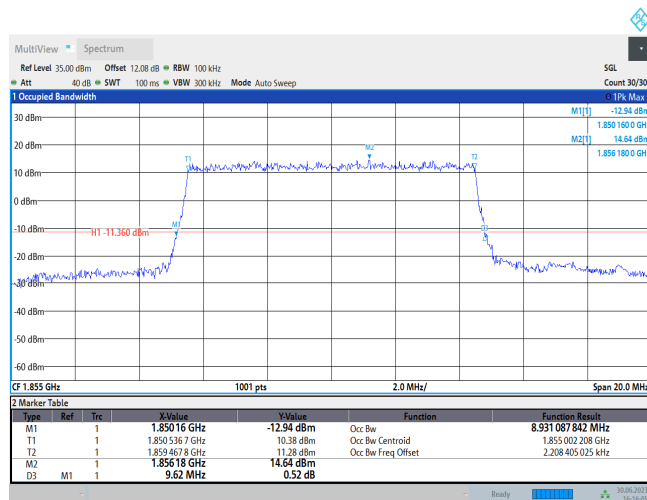
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## Band25-5MHz-64QAM-26665-25RB#0



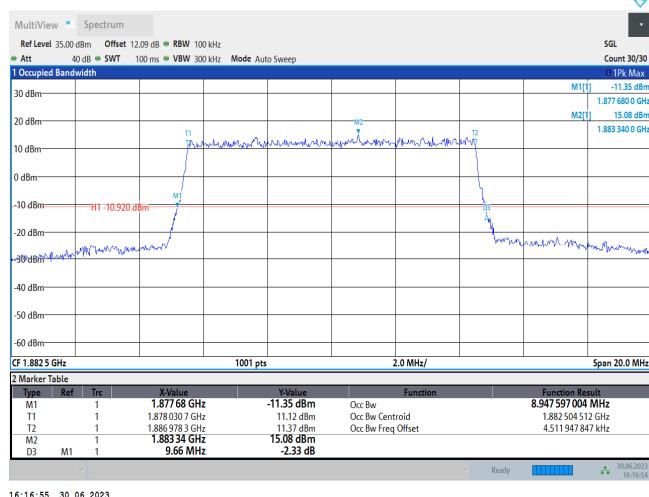
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16:16:05 30.06.2023

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Report No.: XEWM2306000327RG01

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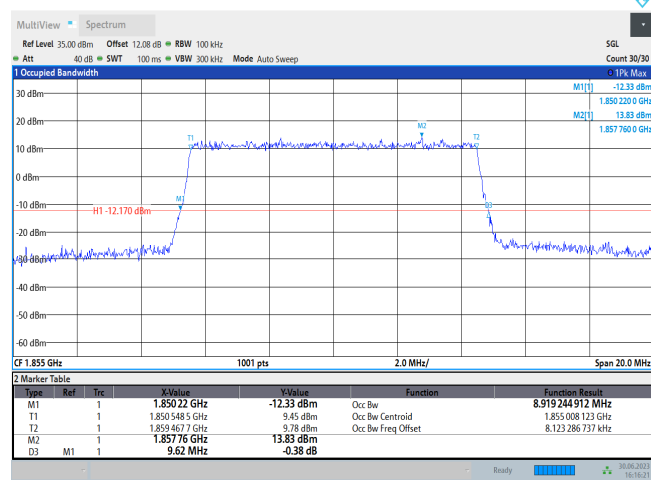
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## Band25-10MHz-QPSK-26640-50RB#0



16:17:45 30.06.2023

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



16:16:22 30.06.2023

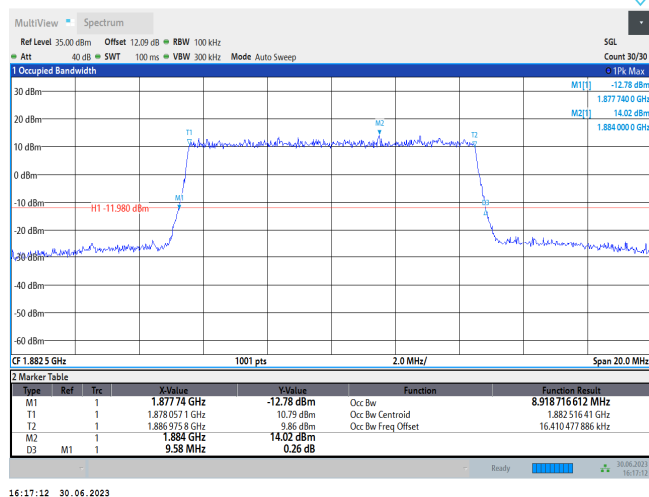


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### Band25-10MHz-16QAM-26365-50RB#0



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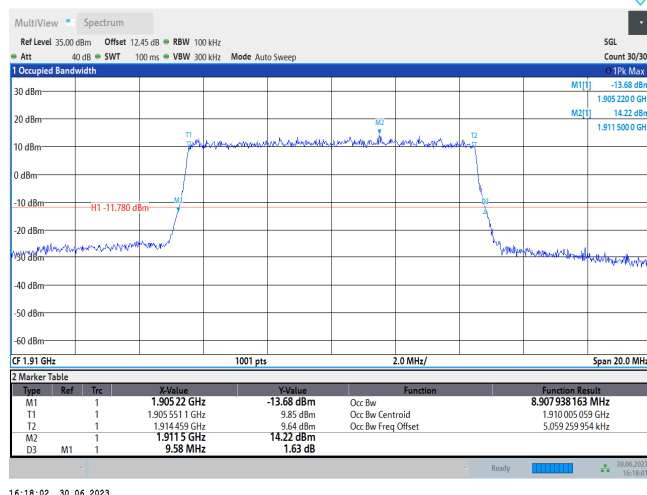
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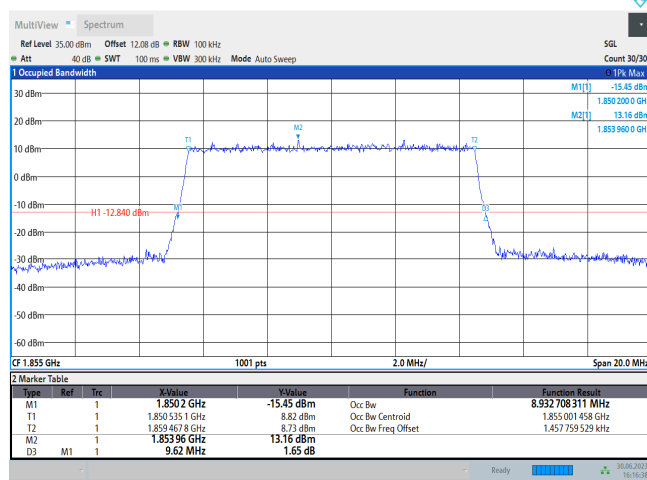
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16:18:02 30.06.2023

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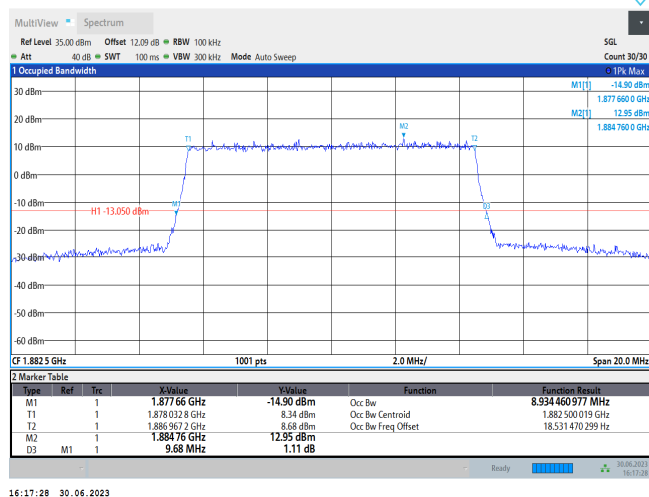
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### Band25-10MHz-64QAM-26365-50RB#0



16:17:28 30.06.2023



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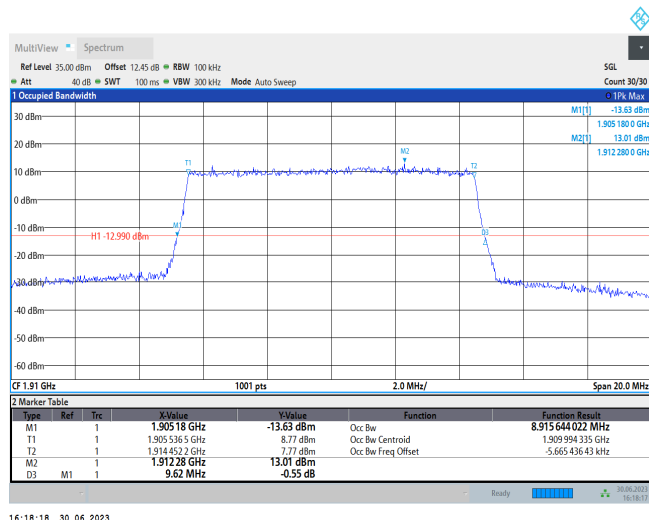
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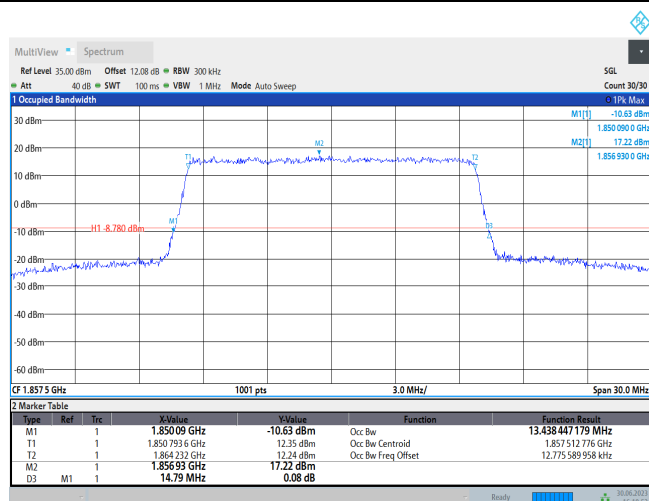
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## Band25-10MHz-64QAM-26640-50RB#0



16:18:18 30.06.2023

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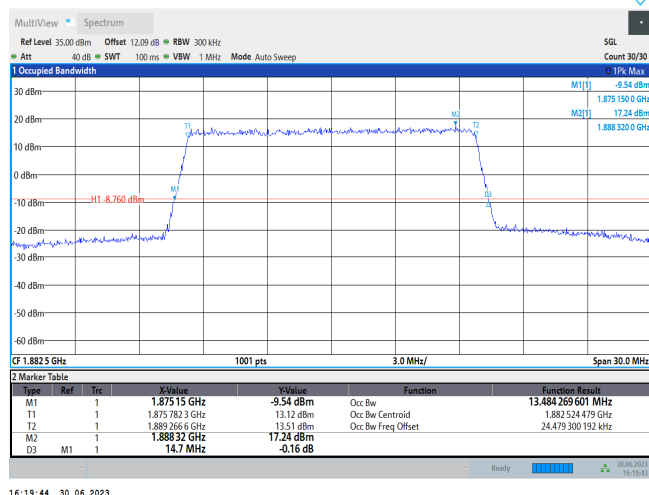
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## Band25-15MHz-QPSK-26365-75RB#0



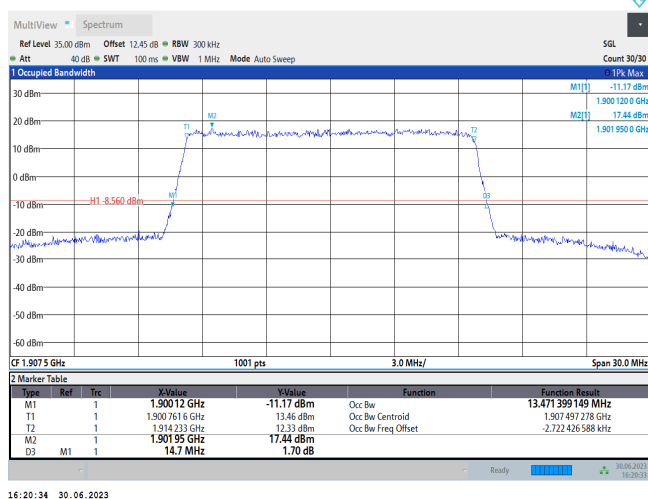


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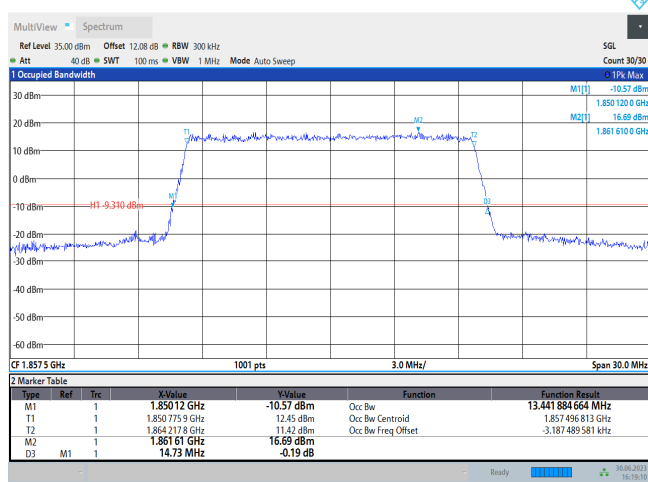
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## Band25-15MHz-QPSK-26615-75RB#0



16:20:34 30.06.2023

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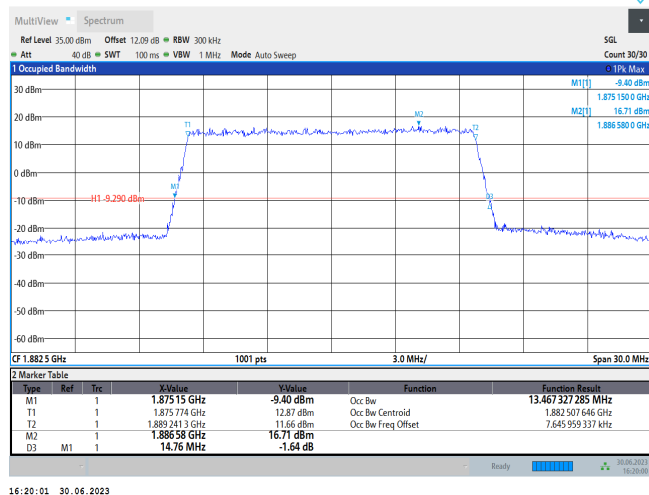
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### Band25-15MHz-16QAM-26365-75RB#0



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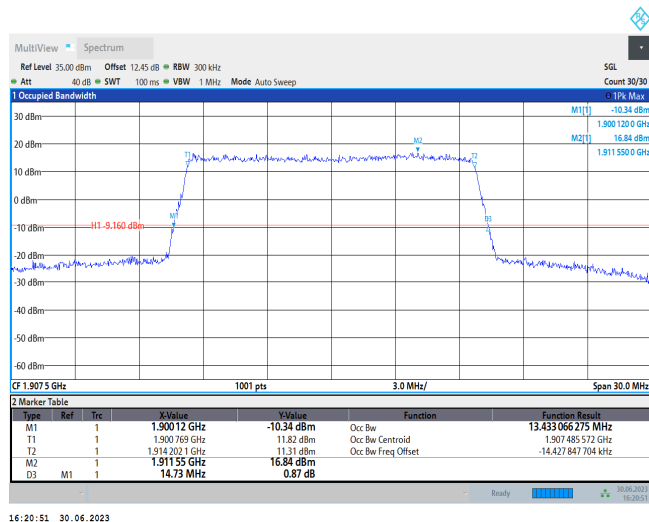
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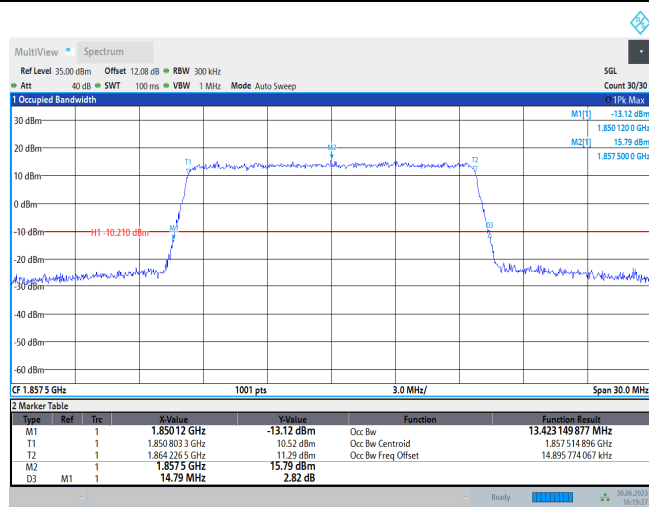
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## Band25-15MHz-16QAM-26615-75RB#0



16:20:51 30.06.2023

## Band25-15MHz-64QAM-26115-75RB#0



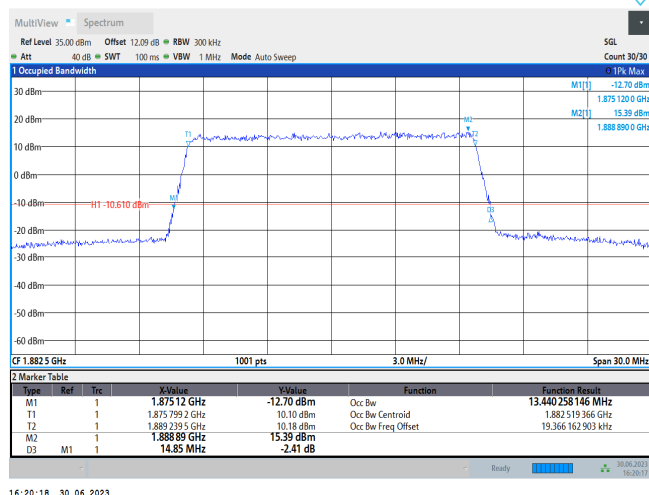
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## Band25-15MHz-64QAM-26365-75RB#0



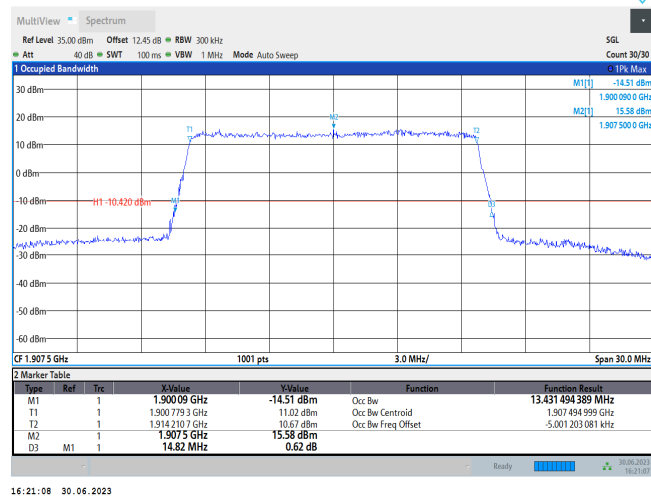
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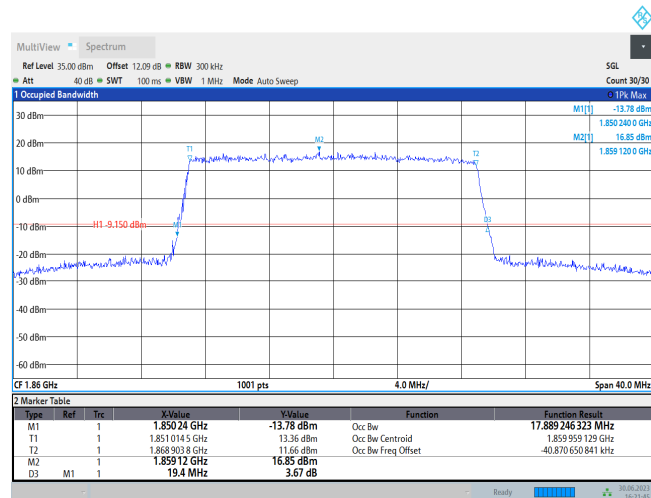
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## Band25-15MHz-64QAM-26615-75RB#0



16:21:08 30.06.2023

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



16:21:45 30.06.2023



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

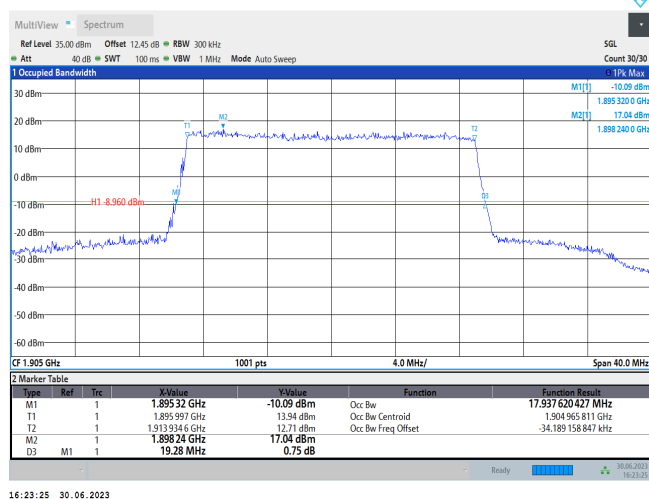


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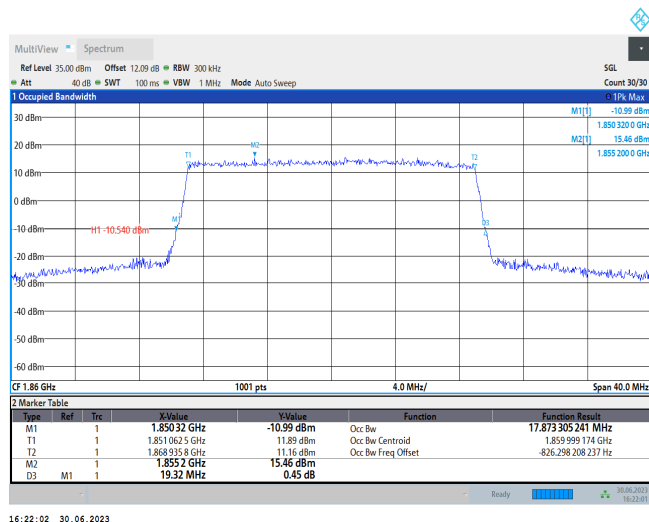
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## Band25-20MHz-QPSK-26590-100RB#0



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

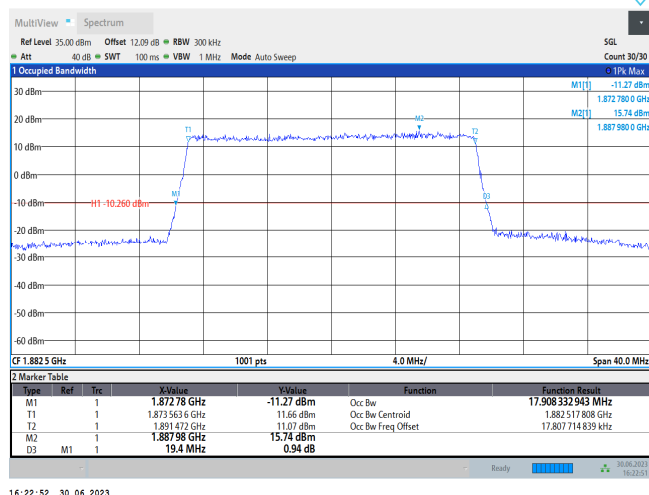


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## Band25-20MHz-16QAM-26365-100RB#0



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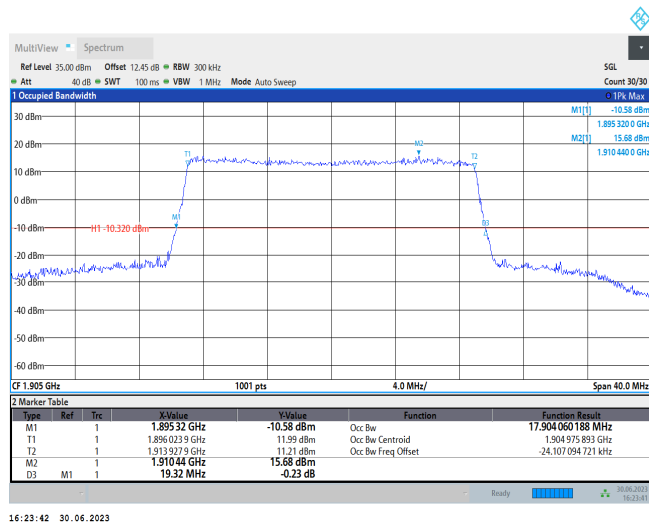
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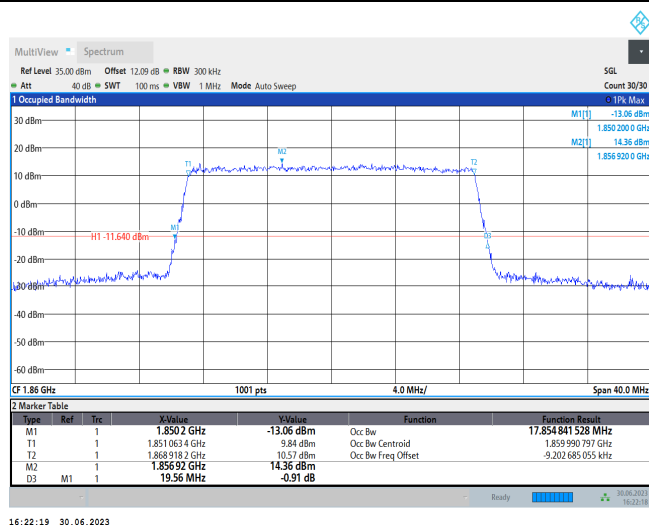
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## Band25-20MHz-64QAM-26140-100RB#0



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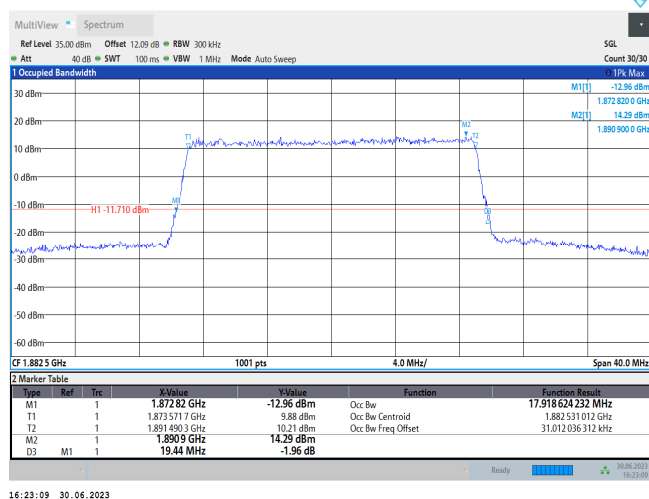
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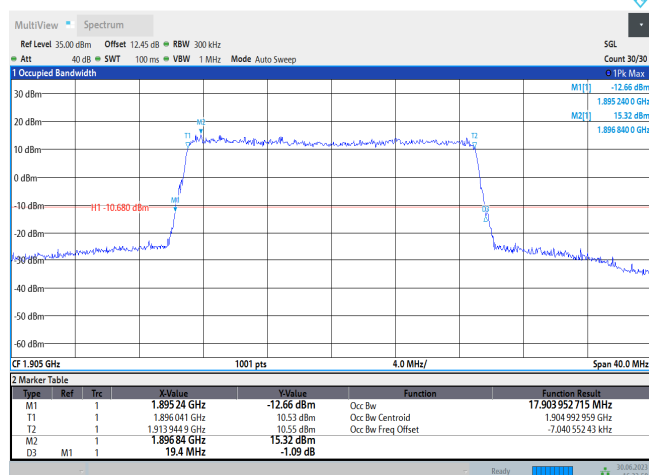
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## Band25-20MHz-64QAM-26365-100RB#0



16:23:09 30.06.2023

## Band25-20MHz-64QAM-26590-100RB#0



16:23:59 30.06.2023



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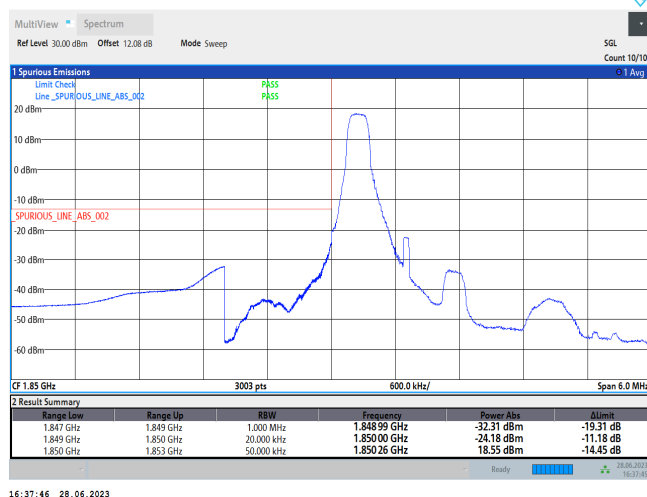
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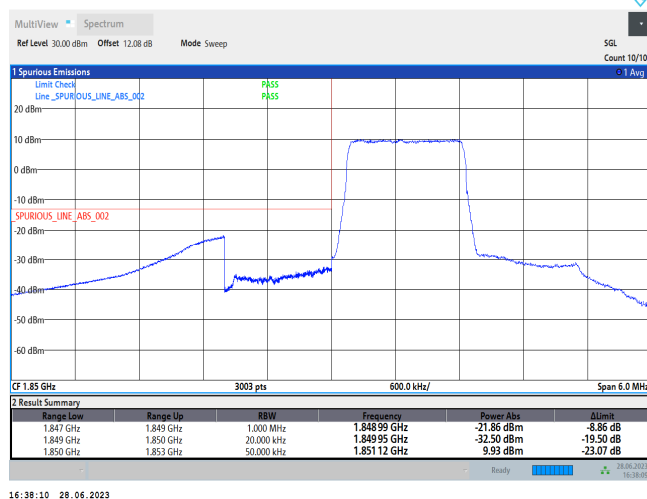
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## Test Graphs

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



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

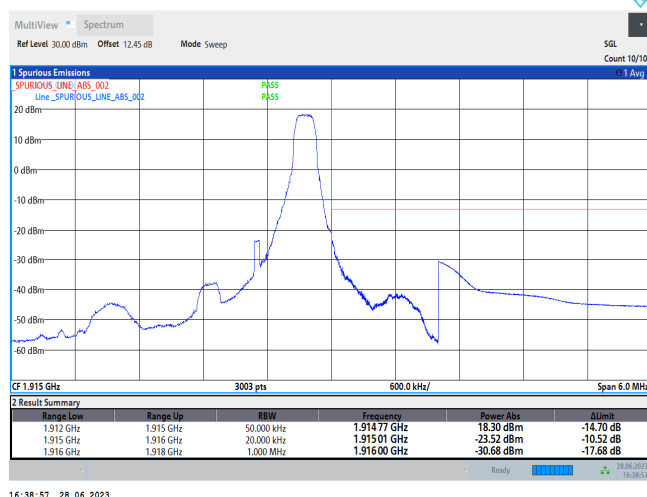


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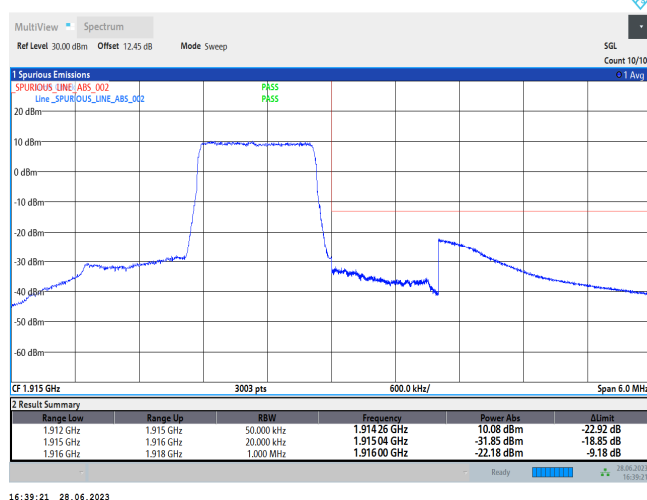
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## Band25-1.4MHz-QPSK-26683-6RB#0

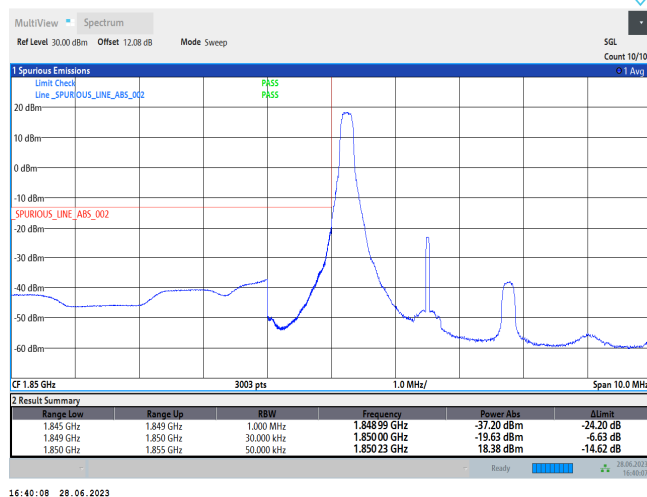


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## Band25-3MHz-QPSK-26055-1RB#0



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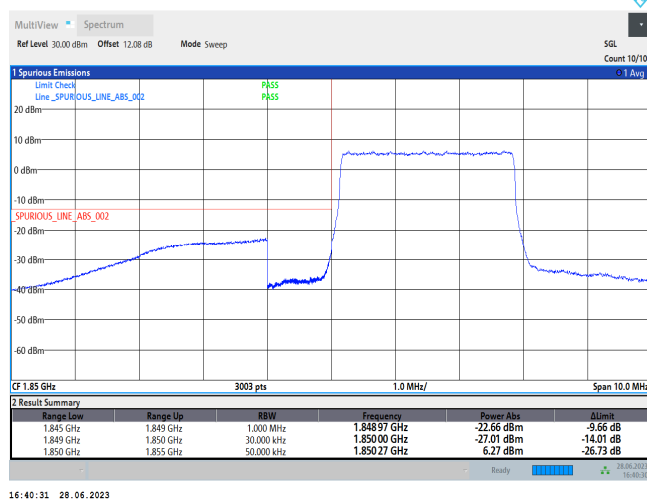
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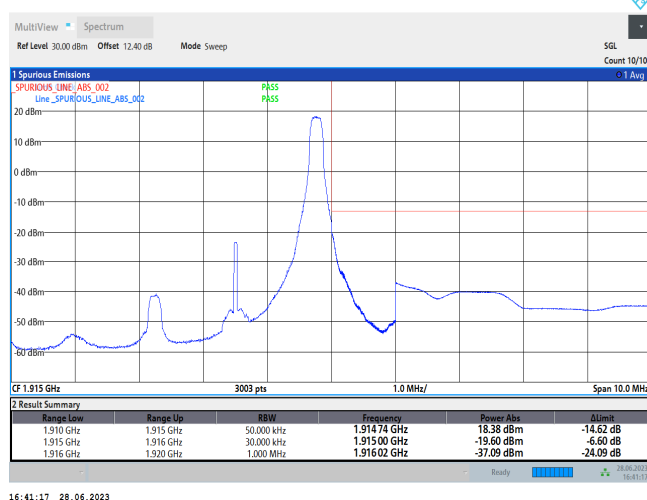
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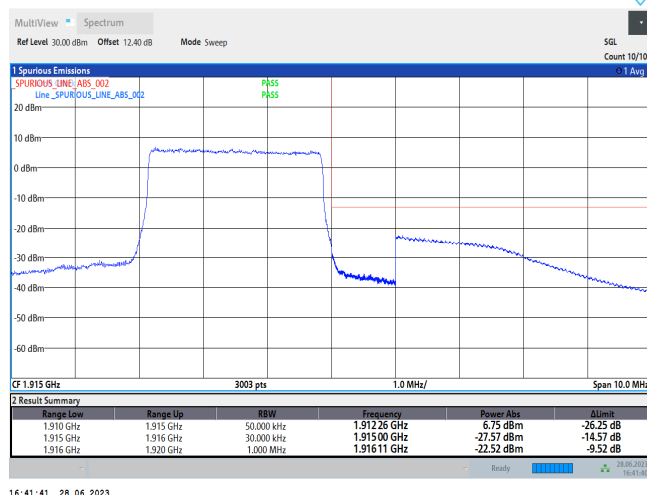


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## Band25-3MHz-QPSK-26675-15RB#0



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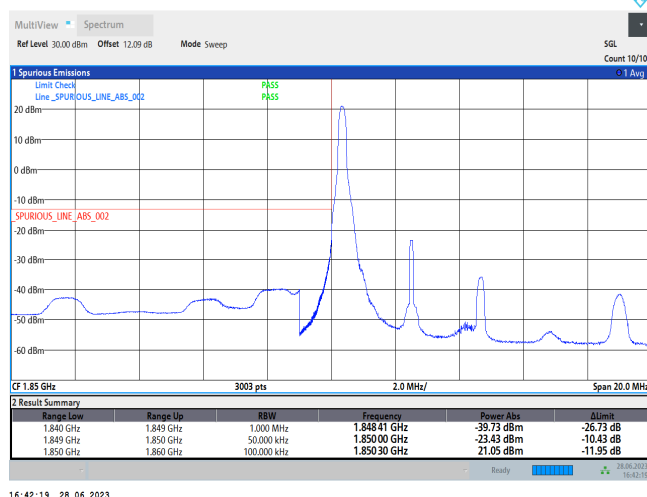
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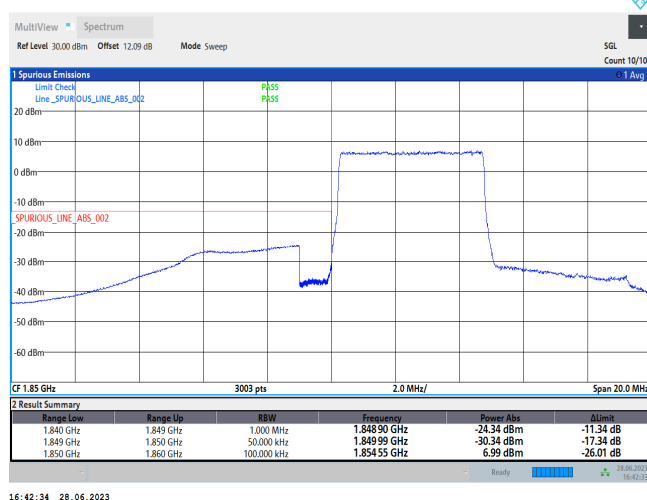
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### Band25-5MHz-QPSK-26065-1RB#0



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



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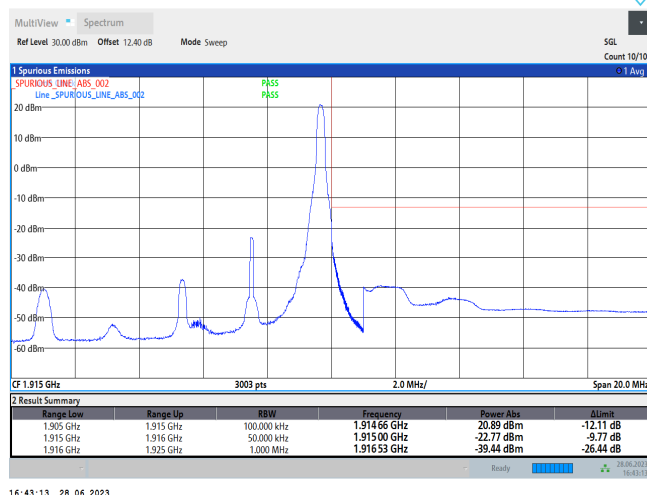


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## Band25-5MHz-QPSK-26665-1RB#24



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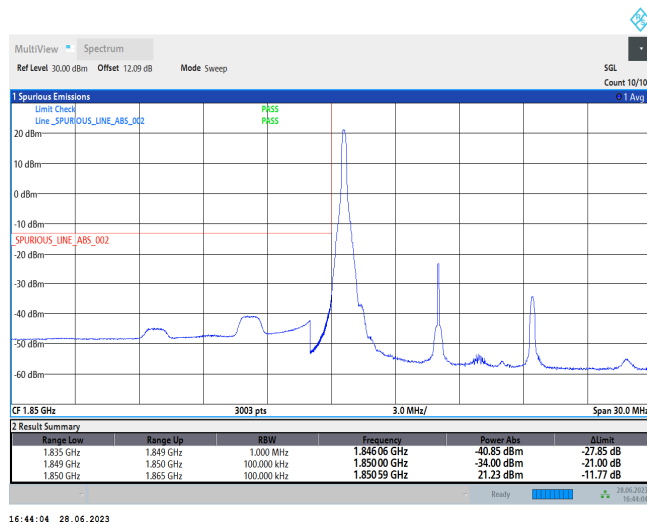
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## Band25-5MHz-QPSK-26665-25RB#0



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

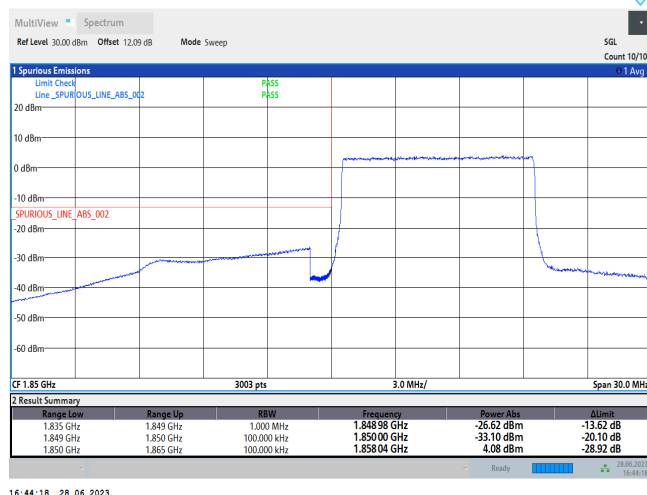


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## Band25-10MHz-QPSK-26090-50RB#0



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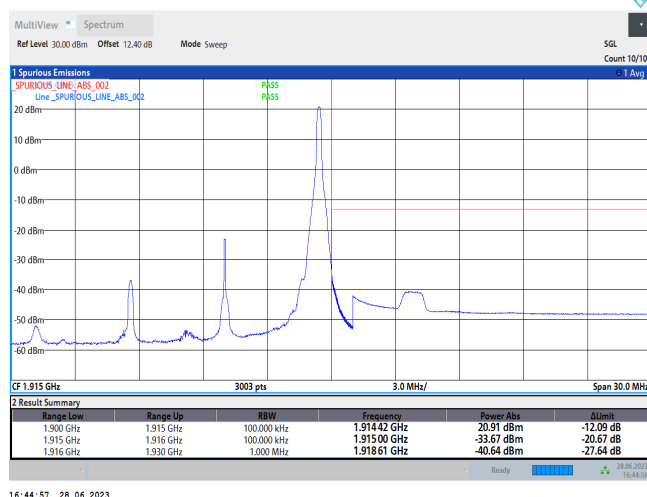
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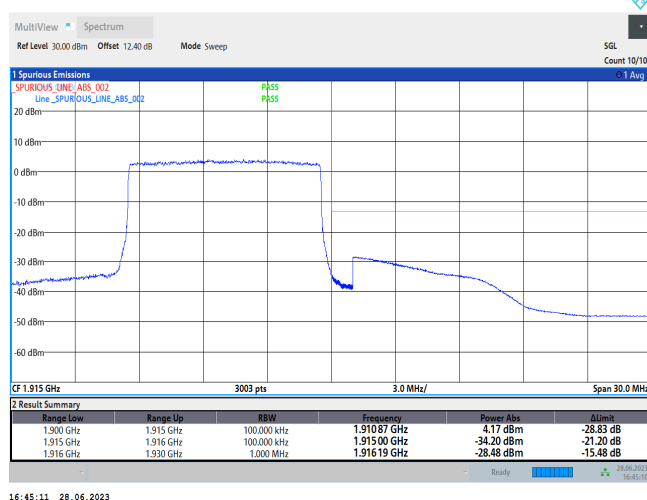
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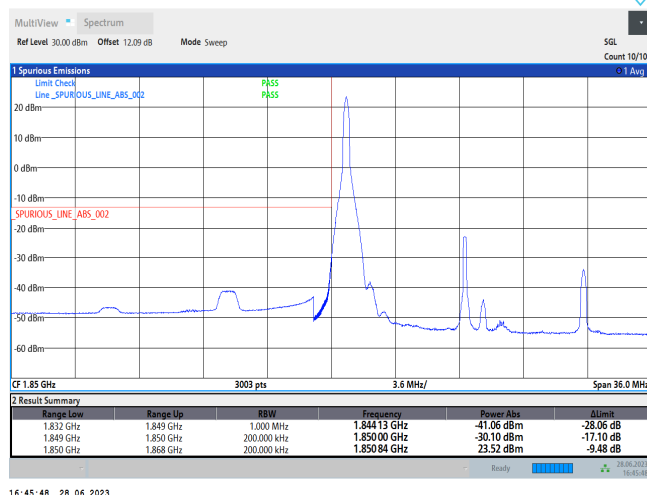


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## Band25-15MHz-QPSK-26115-1RB#0



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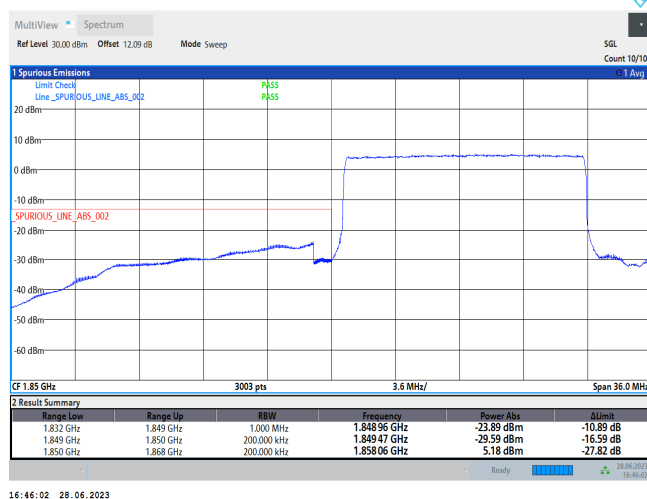
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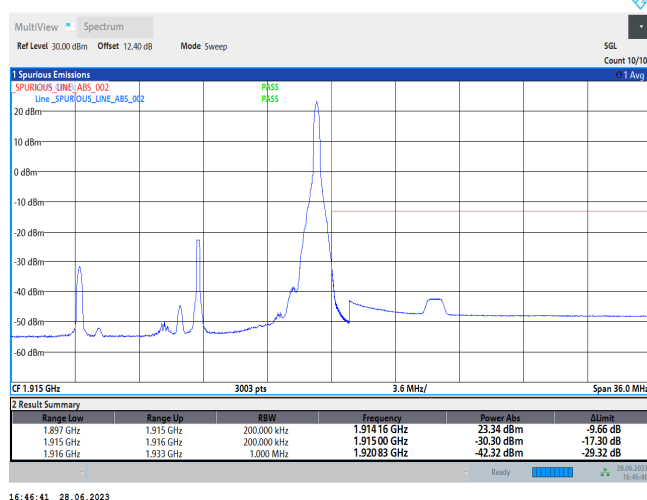
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## Band25-15MHz-QPSK-26115-75RB#0



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





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



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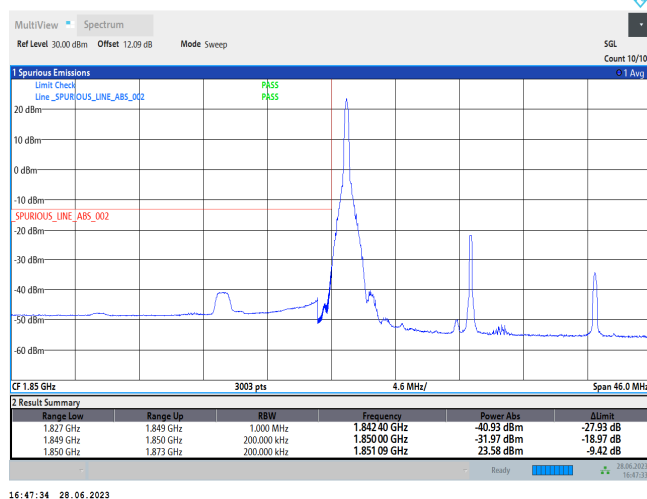
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## Band25-20MHz-QPSK-26140-1RB#0



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

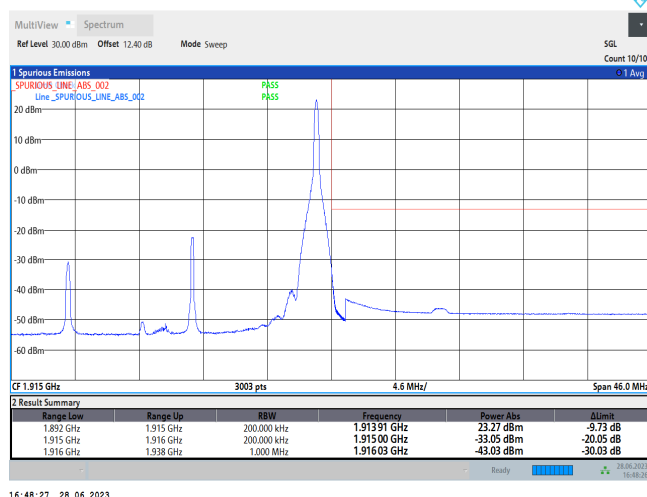


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## Band25-20MHz-QPSK-26590-1RB#99



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



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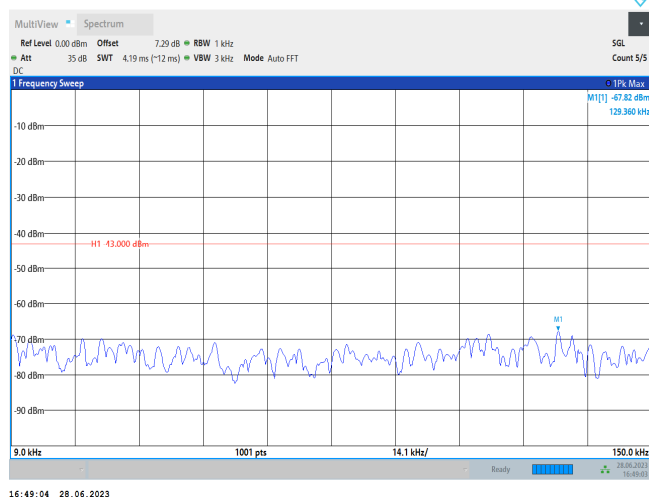
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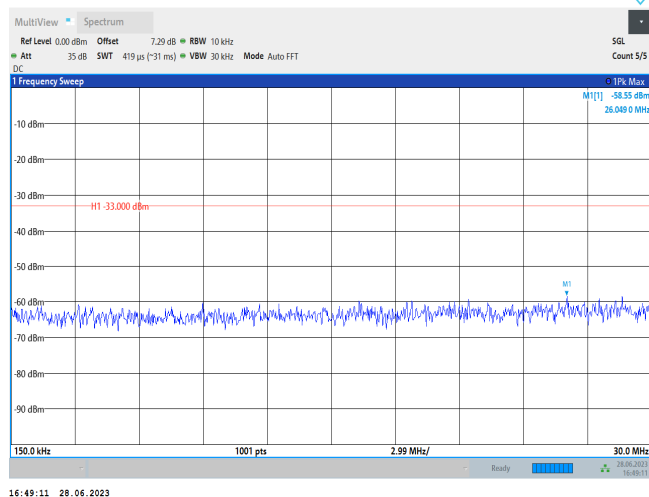
### Conducted Spurious Emission

#### 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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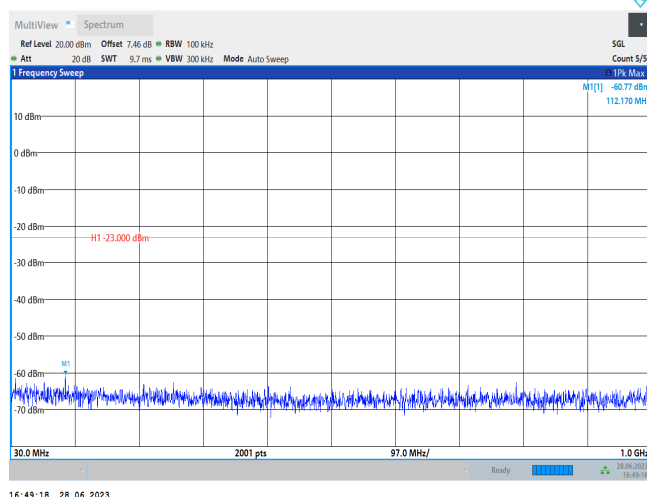
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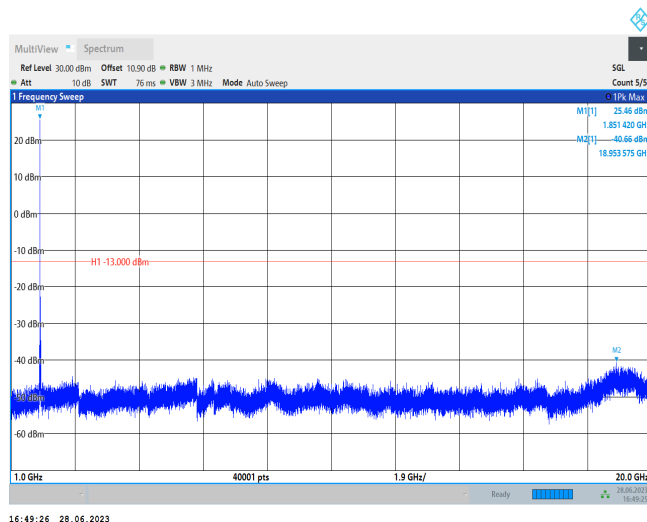
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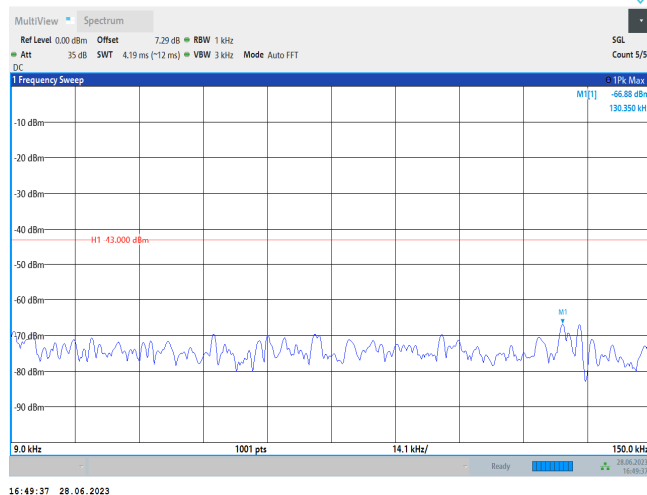


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### Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



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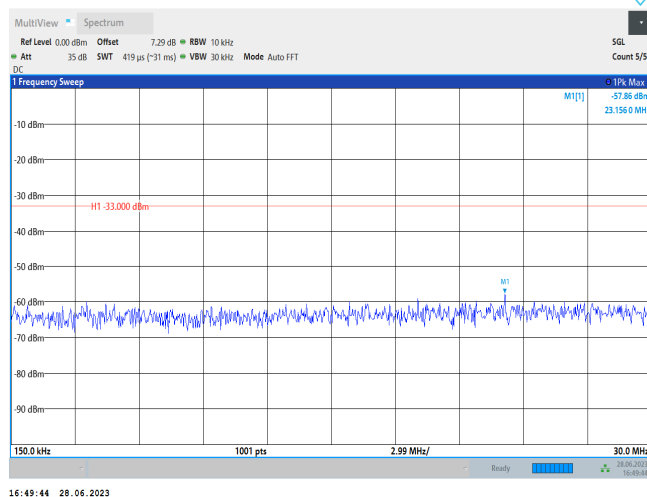


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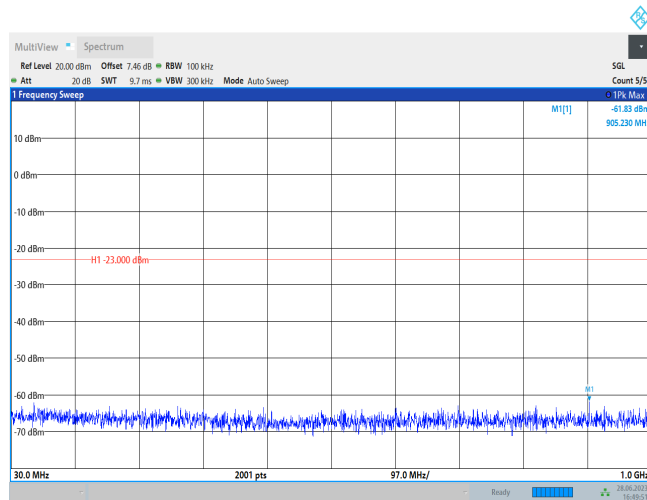
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### Band25-20MHz-QPSK-26365-1RB#0-Range2:0.15~30MHz



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



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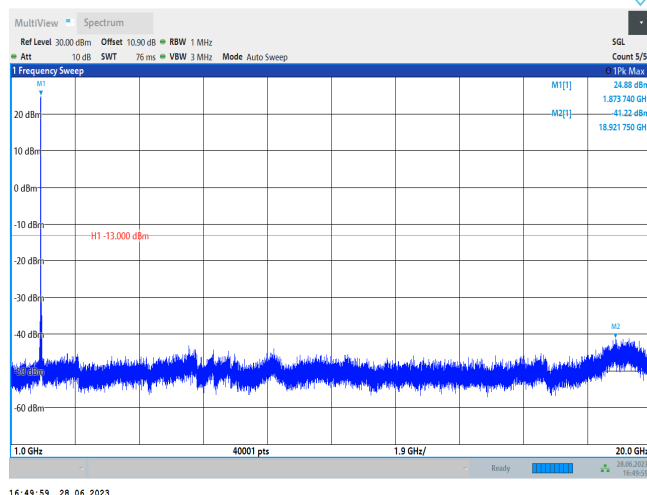
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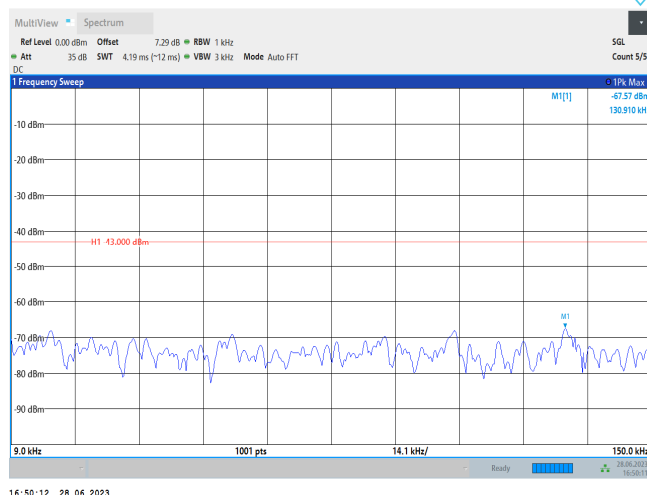
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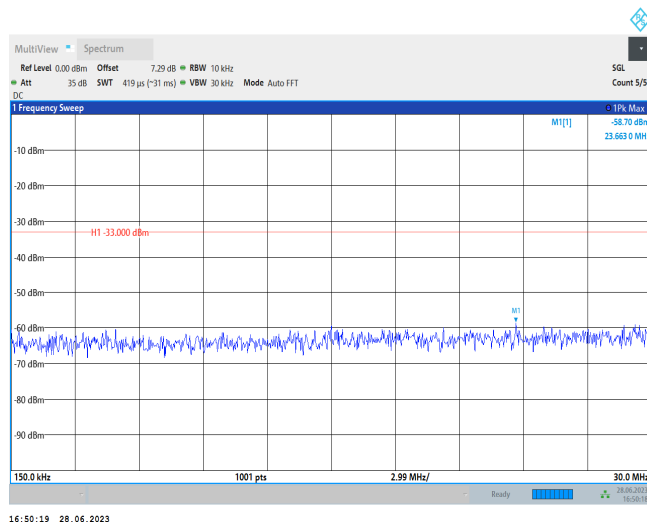
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### Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



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



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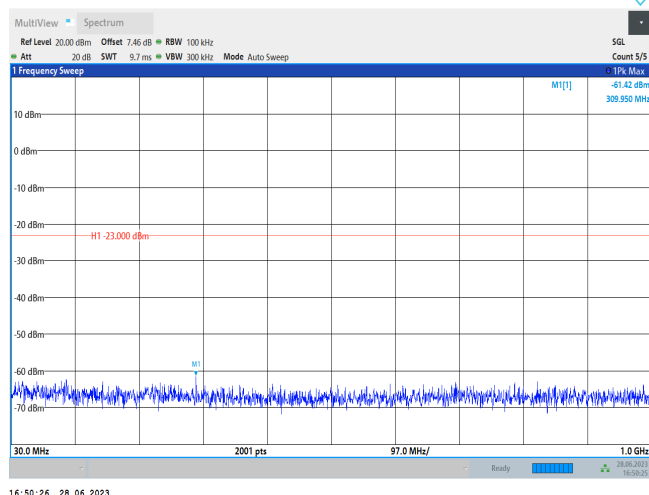


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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



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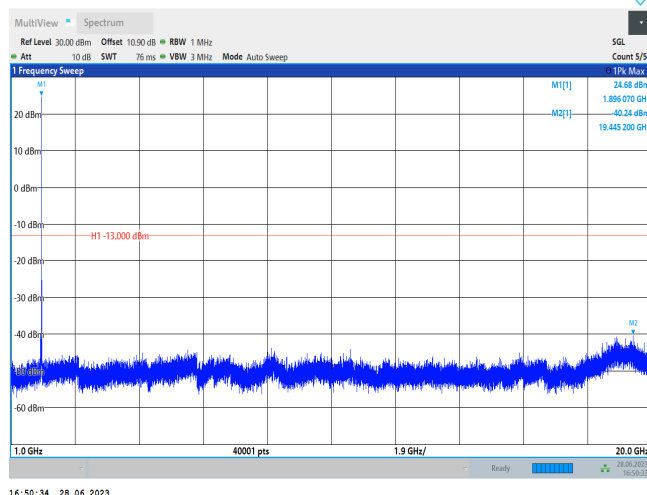
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### Band25-20MHz-QPSK-26590-1RB#0-Range4:1000~20000MHz



16:50:34 28.06.2023



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## Field Strength of Spurious Radiation

Test Band = LTE\_25\_TM1\_20MHz

Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2802.2002	39.36	-21.83	28.30	-49.43	-13.00	36.43	233	184	Horizontal
2	3943.2377	48.71	-44.19	29.87	-60.87	-13.00	47.87	336	112	Horizontal
3	5678.5071	48.11	-41.20	32.50	-55.85	-13.00	42.85	364	62	Horizontal
4	7690.3876	45.84	-37.68	36.76	-50.34	-13.00	37.34	254	268	Horizontal
5	10964.7186	45.43	-37.14	40.14	-46.83	-13.00	33.83	117	18	Horizontal
6	15208.0883	46.53	-35.36	39.72	-44.37	-13.00	31.37	129	170	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2997.1108	38.88	-21.77	28.58	-49.57	-13.00	36.57	169	341	Vertical
2	3884.4354	48.80	-44.31	29.70	-61.07	-13.00	48.07	332	108	Vertical
3	6134.5254	47.72	-40.63	33.33	-54.84	-13.00	41.84	257	41	Vertical
4	8877.8351	46.11	-36.22	36.74	-48.63	-13.00	35.63	118	207	Vertical
5	11018.7207	45.64	-37.09	40.12	-46.59	-13.00	33.59	225	149	Vertical
6	15203.8882	46.30	-35.33	39.71	-44.58	-13.00	31.58	365	167	Vertical



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Test Band = LTE\_25\_TM1\_20MHz  
Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2810.4234	39.30	-21.84	28.30	-49.50	-13.00	36.50	367	308	Horizontal
2	3886.2354	48.79	-44.30	29.70	-61.07	-13.00	48.07	148	323	Horizontal
3	6100.924	47.29	-40.54	33.40	-55.11	-13.00	42.11	229	247	Horizontal
4	9910.4764	45.24	-35.24	38.61	-46.65	-13.00	33.65	352	305	Horizontal
5	15206.8883	46.69	-35.35	39.71	-44.21	-13.00	31.21	196	283	Horizontal
6	17998.8	46.61	-43.05	48.18	-43.52	-13.00	30.52	226	336	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2993.7771	39.00	-21.78	28.56	-49.48	-13.00	36.48	332	300	Vertical
2	4441.2576	48.22	-43.22	30.10	-60.16	-13.00	47.16	259	170	Vertical
3	6885.1554	46.82	-39.25	35.46	-52.23	-13.00	39.23	226	304	Vertical
4	8885.6354	45.80	-36.20	36.73	-48.93	-13.00	35.93	341	40	Vertical
5	10963.5185	45.43	-37.14	40.14	-46.83	-13.00	33.83	155	17	Vertical
6	16582.1433	46.97	-35.39	39.46	-44.22	-13.00	31.22	368	26	Vertical



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Test Band = LTE\_25\_TM1\_20MHz  
Test Channel = HCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2993.5548	39.07	-21.78	28.56	-49.41	-13.00	36.41	137	119	Horizontal
2	3915.6366	48.56	-44.20	29.76	-61.14	-13.00	48.14	229	125	Horizontal
3	5674.307	48.01	-41.22	32.50	-55.97	-13.00	42.97	364	188	Horizontal
4	8453.0181	45.55	-36.71	36.41	-50.01	-13.00	37.01	148	228	Horizontal
5	10966.5187	45.50	-37.13	40.13	-46.76	-13.00	33.76	229	165	Horizontal
6	16559.9424	46.94	-35.45	39.42	-44.35	-13.00	31.35	324	206	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2989.7766	39.14	-21.79	28.54	-49.37	-13.00	36.37	289	218	Vertical
2	3915.6366	48.88	-44.20	29.76	-60.82	-13.00	47.82	334	134	Vertical
3	6391.9357	47.50	-40.81	33.73	-54.84	-13.00	41.84	148	210	Vertical
4	8503.4201	45.53	-36.48	36.51	-49.70	-13.00	36.70	226	32	Vertical
5	11022.3209	45.67	-37.12	40.12	-46.59	-13.00	33.59	325	242	Vertical
6	17987.9995	46.71	-43.13	47.98	-43.70	-13.00	30.70	227	269	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
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-10.41	-0.005530	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-20.23	-0.010746	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-9.11	-0.004839	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-15.34	-0.008149	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-20.14	-0.010699	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-6.28	-0.003336	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-9.94	-0.005280	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	5.92	0.003145	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-5.44	-0.002890	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-8.11	-0.004308	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-6.18	-0.003283	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-7.02	-0.003729	PASS

---End of Attachment---



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