

# Appendix B.7

## LTE Band 25

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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 2 of 68

## 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	22.63	22.93	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.23	23.53	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.6	23.9	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.74	23.04	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.68	23.98	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.81	24.11	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.69	23.99	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.82	23.12	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.54	23.84	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.62	23.92	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.42	23.72	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.68	22.98	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.96	23.26	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.57	22.87	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.95	23.25	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.81	22.11	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	23.03	23.33	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	23.13	23.43	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.98	23.28	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.9	22.2	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.85	23.15	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.82	23.12	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.53	22.83	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.74	22.04	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	21.85	22.15	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#2	21.99	22.29	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#5	21.81	22.11	33	PASS

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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 3 of 68

Band25	1.4MHz	64QAM	26047	6RB#0	19.75	20.05	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	21.87	22.17	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#2	22.05	22.35	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#5	21.86	22.16	33	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	20.79	21.09	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	21.72	22.02	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#2	21.82	22.12	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#5	21.71	22.01	33	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	20.64	20.94	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.67	23.97	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.66	23.96	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.69	23.99	33	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.71	23.01	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.79	24.09	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.76	24.06	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.78	24.08	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.84	23.14	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.65	23.95	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.56	23.86	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.36	23.66	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.7	23	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.94	23.24	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.89	23.19	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.8	23.1	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.77	22.07	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	23.13	23.43	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	23.08	23.38	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	23	23.3	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.84	22.14	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.97	23.27	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.62	22.92	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.63	22.93	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.68	21.98	33	PASS

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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 4 of 68

Band25	3MHz	64QAM	26055	1RB#0	21.83	22.13	33	PASS
Band25	3MHz	64QAM	26055	1RB#8	21.88	22.18	33	PASS
Band25	3MHz	64QAM	26055	1RB#14	21.9	22.2	33	PASS
Band25	3MHz	64QAM	26055	15RB#0	20.7	21	33	PASS
Band25	3MHz	64QAM	26365	1RB#0	21.9	22.2	33	PASS
Band25	3MHz	64QAM	26365	1RB#8	21.93	22.23	33	PASS
Band25	3MHz	64QAM	26365	1RB#14	21.92	22.22	33	PASS
Band25	3MHz	64QAM	26365	15RB#0	20.78	21.08	33	PASS
Band25	3MHz	64QAM	26675	1RB#0	21.8	22.1	33	PASS
Band25	3MHz	64QAM	26675	1RB#8	21.86	22.16	33	PASS
Band25	3MHz	64QAM	26675	1RB#14	21.72	22.02	33	PASS
Band25	3MHz	64QAM	26675	15RB#0	20.67	20.97	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.61	23.91	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.88	24.18	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.39	23.69	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.8	23.1	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.7	24	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.94	24.24	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.69	23.99	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.85	23.15	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.62	23.92	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.52	23.82	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.53	23.83	33	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.74	23.04	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.83	23.13	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	23.17	23.47	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.9	23.2	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.78	22.08	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	23.02	23.32	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	23.16	23.46	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	23	23.3	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.87	22.17	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.76	23.06	33	PASS

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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 5 of 68

Band25	5MHz	16QAM	26665	1RB#12	23.02	23.32	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.7	23	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.73	22.03	33	PASS
Band25	5MHz	64QAM	26065	1RB#0	21.76	22.06	33	PASS
Band25	5MHz	64QAM	26065	1RB#12	22.08	22.38	33	PASS
Band25	5MHz	64QAM	26065	1RB#24	21.79	22.09	33	PASS
Band25	5MHz	64QAM	26065	25RB#0	20.77	21.07	33	PASS
Band25	5MHz	64QAM	26365	1RB#0	21.85	22.15	33	PASS
Band25	5MHz	64QAM	26365	1RB#12	22.13	22.43	33	PASS
Band25	5MHz	64QAM	26365	1RB#24	21.96	22.26	33	PASS
Band25	5MHz	64QAM	26365	25RB#0	20.85	21.15	33	PASS
Band25	5MHz	64QAM	26665	1RB#0	21.74	22.04	33	PASS
Band25	5MHz	64QAM	26665	1RB#12	22.07	22.37	33	PASS
Band25	5MHz	64QAM	26665	1RB#24	21.73	22.03	33	PASS
Band25	5MHz	64QAM	26665	25RB#0	20.74	21.04	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.68	23.98	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.61	23.91	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.78	24.08	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.92	23.22	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.81	24.11	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.93	24.23	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.8	24.1	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.96	23.26	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.71	24.01	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.83	24.13	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.65	23.95	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.92	23.22	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.97	23.27	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	23.14	23.44	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	23.06	23.36	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.91	22.21	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	23.11	23.41	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.13	23.43	33	PASS

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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 6 of 68

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Band25	10MHz	16QAM	26365	50RB#0	21.96	22.26	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.95	23.25	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	23.14	23.44	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.84	23.14	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.91	22.21	33	PASS
Band25	10MHz	64QAM	26090	1RB#0	21.96	22.26	33	PASS
Band25	10MHz	64QAM	26090	1RB#24	22.01	22.31	33	PASS
Band25	10MHz	64QAM	26090	1RB#49	22.02	22.32	33	PASS
Band25	10MHz	64QAM	26090	50RB#0	20.68	20.98	33	PASS
Band25	10MHz	64QAM	26365	1RB#0	21.95	22.25	33	PASS
Band25	10MHz	64QAM	26365	1RB#24	22.1	22.4	33	PASS
Band25	10MHz	64QAM	26365	1RB#49	22.04	22.34	33	PASS
Band25	10MHz	64QAM	26365	50RB#0	20.96	21.26	33	PASS
Band25	10MHz	64QAM	26640	1RB#0	21.95	22.25	33	PASS
Band25	10MHz	64QAM	26640	1RB#24	22.04	22.34	33	PASS
Band25	10MHz	64QAM	26640	1RB#49	21.86	22.16	33	PASS
Band25	10MHz	64QAM	26640	50RB#0	20.91	21.21	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.58	23.88	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.77	24.07	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.71	24.01	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.91	23.21	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.66	23.96	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.81	24.11	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.68	23.98	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.9	23.2	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.66	23.96	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.71	24.01	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.57	23.87	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.92	23.22	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.87	23.17	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	23.14	23.44	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.97	23.27	33	PASS

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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 7 of 68

Band25	15MHz	16QAM	26115	75RB#0	21.73	22.03	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.91	23.21	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	23.09	23.39	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.98	23.28	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.88	22.18	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.95	23.25	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.92	23.22	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.92	23.22	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.89	22.19	33	PASS
Band25	15MHz	64QAM	26115	1RB#0	21.84	22.14	33	PASS
Band25	15MHz	64QAM	26115	1RB#38	21.95	22.25	33	PASS
Band25	15MHz	64QAM	26115	1RB#74	21.92	22.22	33	PASS
Band25	15MHz	64QAM	26115	75RB#0	20.82	21.12	33	PASS
Band25	15MHz	64QAM	26365	1RB#0	21.87	22.17	33	PASS
Band25	15MHz	64QAM	26365	1RB#38	22	22.3	33	PASS
Band25	15MHz	64QAM	26365	1RB#74	21.84	22.14	33	PASS
Band25	15MHz	64QAM	26365	75RB#0	20.86	21.16	33	PASS
Band25	15MHz	64QAM	26615	1RB#0	21.82	22.12	33	PASS
Band25	15MHz	64QAM	26615	1RB#38	21.94	22.24	33	PASS
Band25	15MHz	64QAM	26615	1RB#74	21.79	22.09	33	PASS
Band25	15MHz	64QAM	26615	75RB#0	20.9	21.2	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.37	23.67	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.85	24.15	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.52	23.82	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.82	23.12	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.46	23.76	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.88	24.18	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.51	23.81	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.92	23.22	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.47	23.77	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.83	24.13	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.39	23.69	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.88	23.18	33	PASS

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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 8 of 68

Band25	20MHz	16QAM	26140	1RB#0	22.65	22.95	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	23.09	23.39	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.79	23.09	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.8	22.1	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.74	23.04	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	23.24	23.54	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.73	23.03	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.9	22.2	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.73	23.03	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	23.14	23.44	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.57	22.87	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.86	22.16	33	PASS
Band25	20MHz	64QAM	26140	1RB#0	21.53	21.83	33	PASS
Band25	20MHz	64QAM	26140	1RB#49	22.04	22.34	33	PASS
Band25	20MHz	64QAM	26140	1RB#99	21.69	21.99	33	PASS
Band25	20MHz	64QAM	26140	100RB#0	20.8	21.1	33	PASS
Band25	20MHz	64QAM	26365	1RB#0	21.68	21.98	33	PASS
Band25	20MHz	64QAM	26365	1RB#49	22.11	22.41	33	PASS
Band25	20MHz	64QAM	26365	1RB#99	21.65	21.95	33	PASS
Band25	20MHz	64QAM	26365	100RB#0	20.89	21.19	33	PASS
Band25	20MHz	64QAM	26590	1RB#0	21.72	22.02	33	PASS
Band25	20MHz	64QAM	26590	1RB#49	22.05	22.35	33	PASS
Band25	20MHz	64QAM	26590	1RB#99	21.67	21.97	33	PASS
Band25	20MHz	64QAM	26590	100RB#0	20.9	21.2	33	PASS

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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 9 of 68

## 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	5.26	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.24	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.10	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.04	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.98	13	PASS
Band25	20MHz	64QAM	26140	100RB#0	6.40	13	PASS
Band25	20MHz	64QAM	26365	100RB#0	6.38	13	PASS
Band25	20MHz	64QAM	26590	100RB#0	6.42	13	PASS

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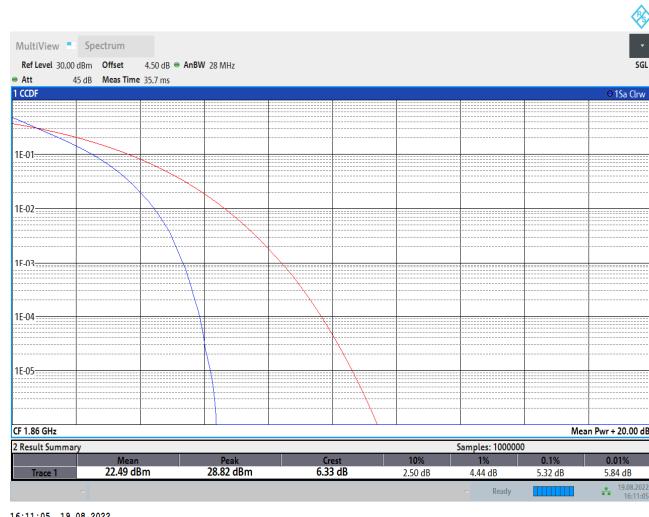
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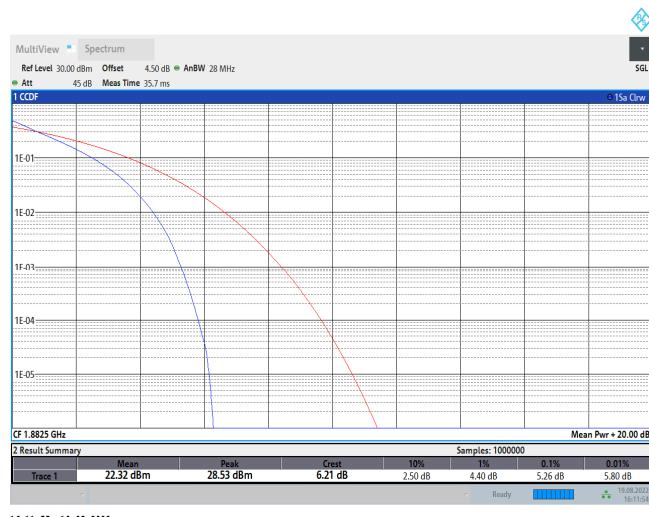
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Rev.: 01  
Page: 10 of 68

## Test Graphs

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



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



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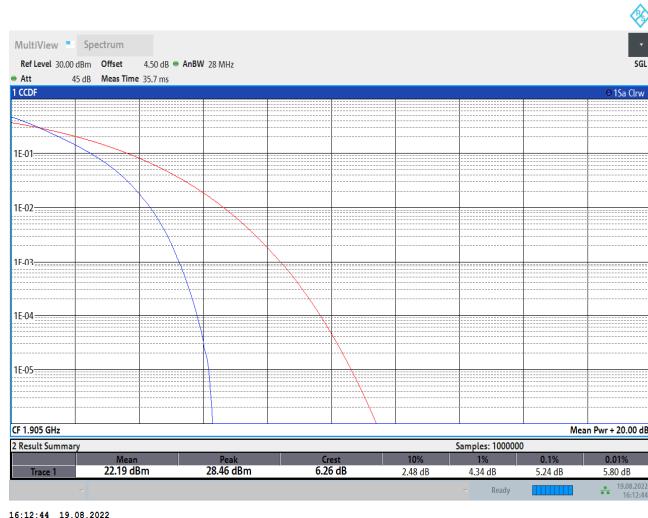
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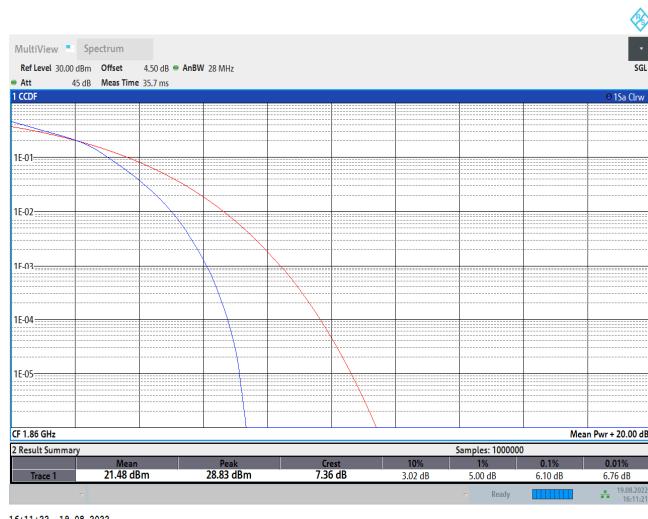
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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 11 of 68

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



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



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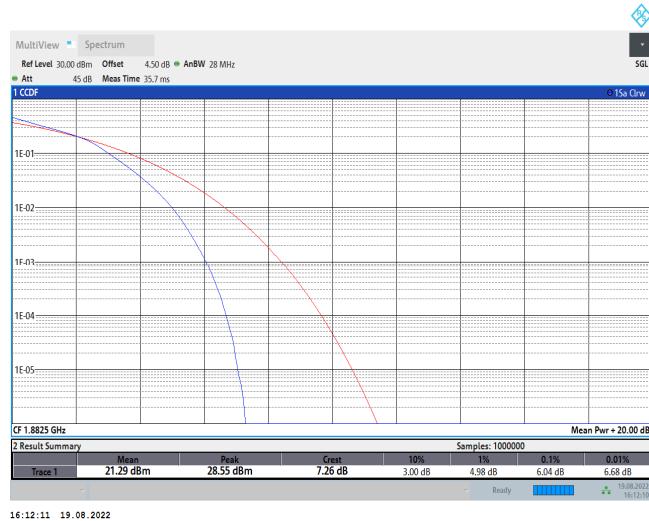


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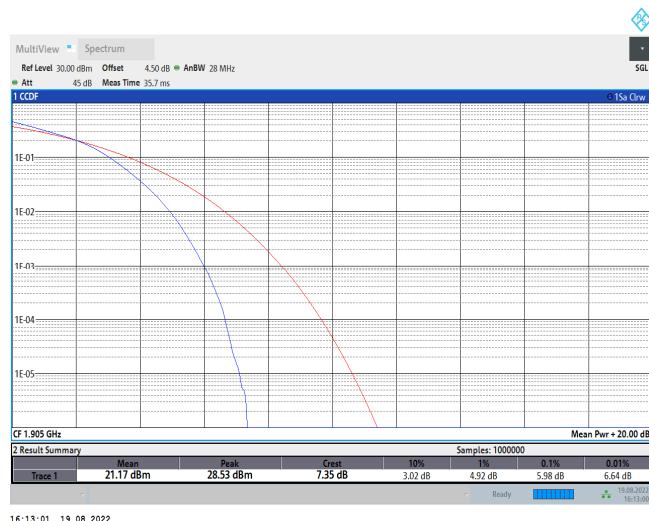
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Rev.: 01  
Page: 12 of 68

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



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



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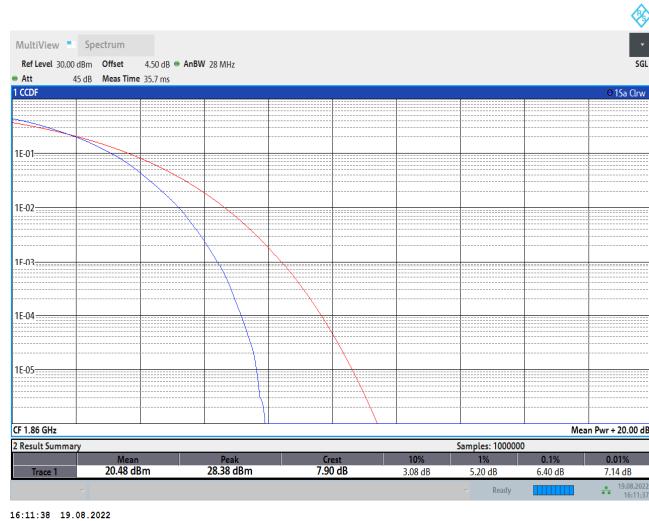
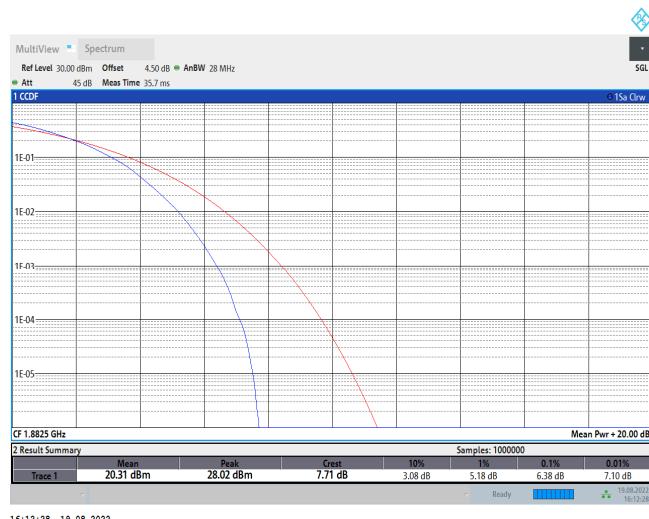
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**Band25-20MHz-64QAM-26140-100RB#0****Band25-20MHz-64QAM-26365-100RB#0**

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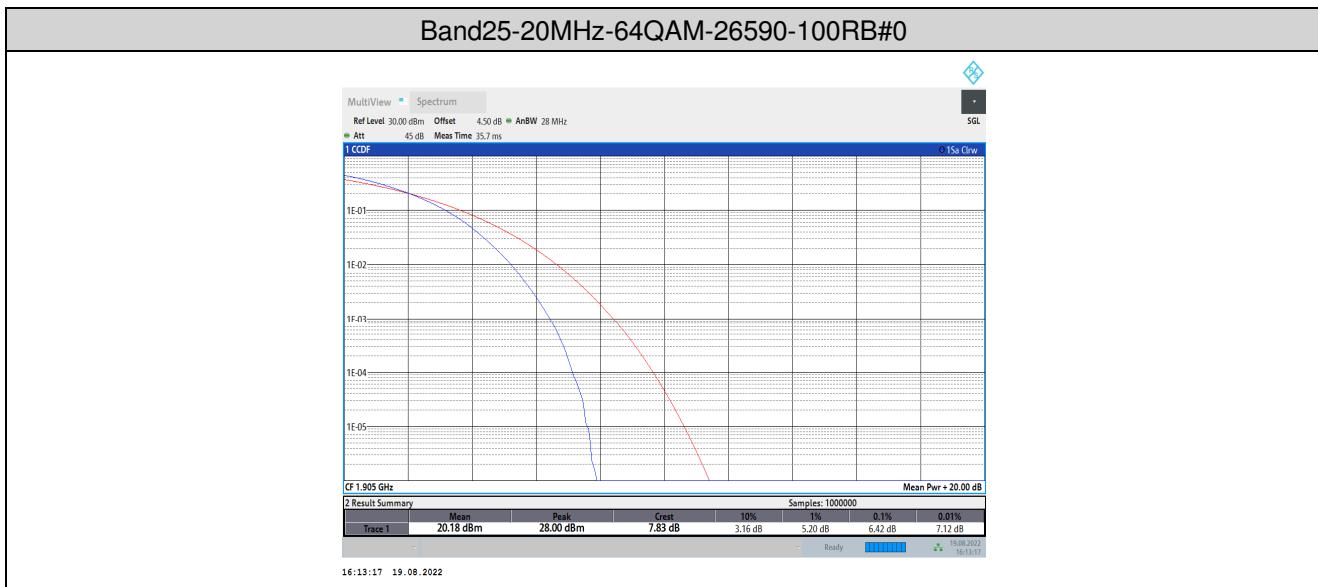
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Rev.: 01  
Page: 15 of 68

## 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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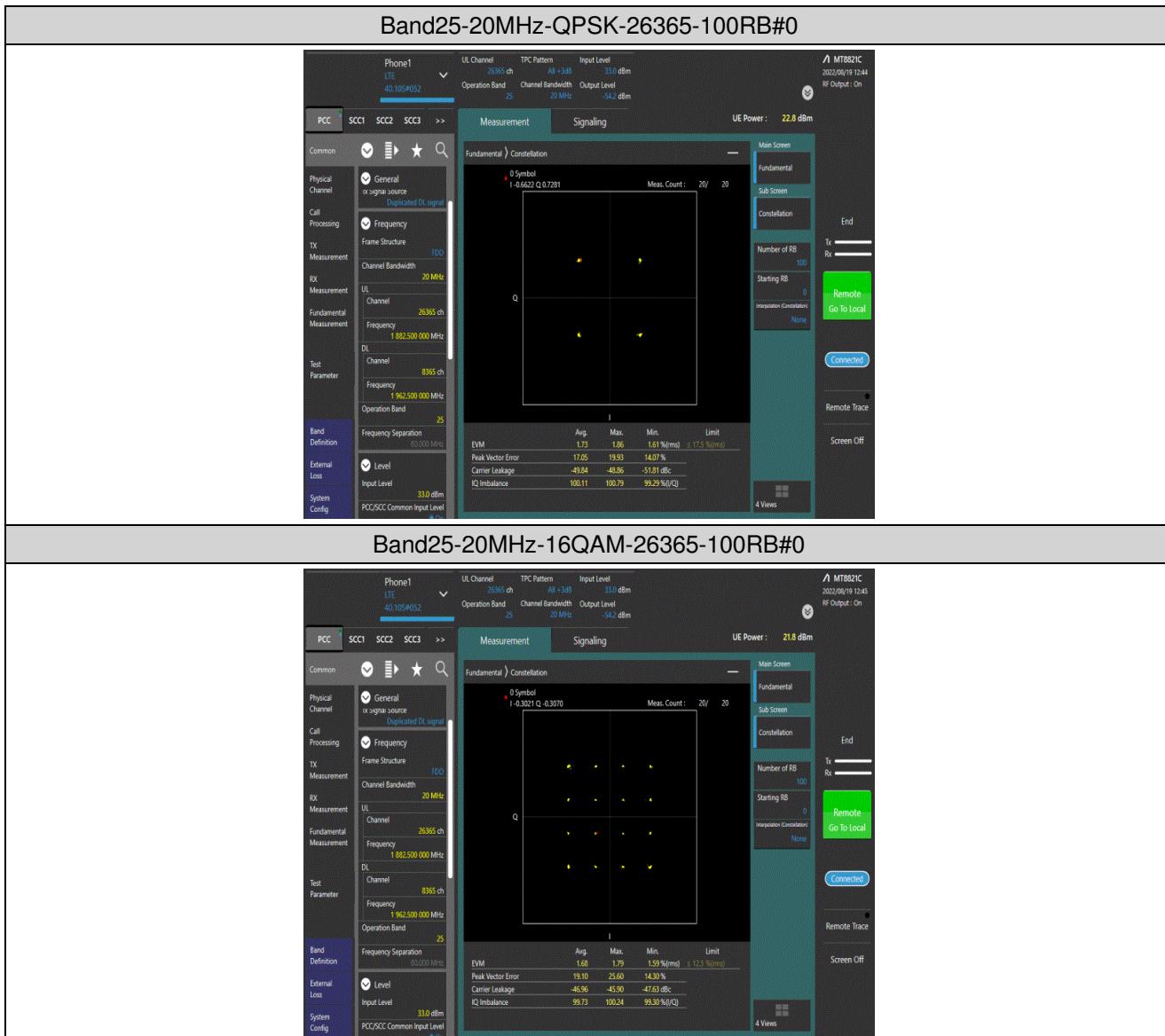
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## Test Graphs



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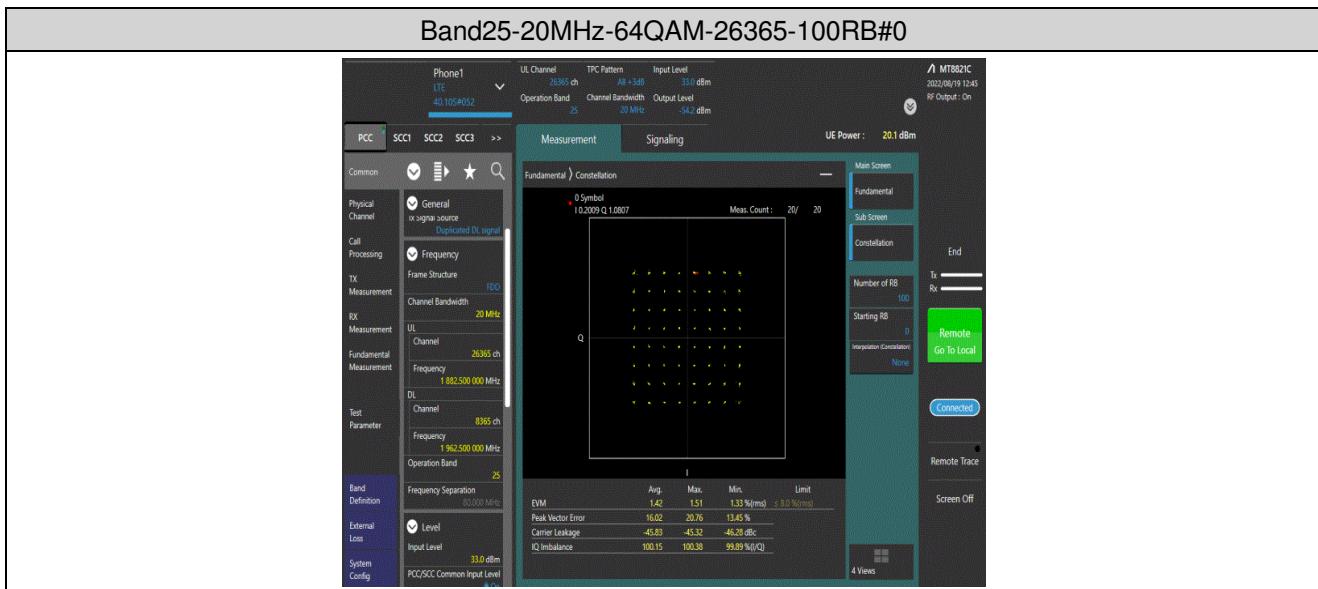
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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 17 of 68



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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 18 of 68

## 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	1.28	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.084	1.28	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.085	1.29	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.097	1.31	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.096	1.31	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.099	1.31	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	1.096	1.31	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	1.096	1.31	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	1.097	1.32	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.687	2.89	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.686	2.89	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.687	2.89	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.682	2.90	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.677	2.89	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.679	2.90	PASS
Band25	3MHz	64QAM	26055	15RB#0	2.679	2.90	PASS
Band25	3MHz	64QAM	26365	15RB#0	2.679	2.90	PASS
Band25	3MHz	64QAM	26675	15RB#0	2.682	3.20	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.478	5.40	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.474	5.03	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.471	5.03	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.473	4.76	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.474	5.04	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.477	5.05	PASS
Band25	5MHz	64QAM	26065	25RB#0	4.485	5.16	PASS
Band25	5MHz	64QAM	26365	25RB#0	4.479	5.05	PASS
Band25	5MHz	64QAM	26665	25RB#0	4.486	5.03	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.944	9.78	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.955	9.82	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.954	10.22	PASS

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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 19 of 68

Band25	10MHz	16QAM	26090	50RB#0	8.929	9.78	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.927	9.88	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.947	10.60	PASS
Band25	10MHz	64QAM	26090	50RB#0	8.949	9.90	PASS
Band25	10MHz	64QAM	26365	50RB#0	8.939	9.78	PASS
Band25	10MHz	64QAM	26640	50RB#0	8.957	9.88	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.525	15.18	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.525	15.72	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.555	15.15	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.508	15.51	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.505	15.18	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.54	15.27	PASS
Band25	15MHz	64QAM	26115	75RB#0	13.488	15.21	PASS
Band25	15MHz	64QAM	26365	75RB#0	13.492	15.27	PASS
Band25	15MHz	64QAM	26615	75RB#0	13.528	15.18	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.978	21.60	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.971	19.88	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.98	19.52	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.933	23.76	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.937	19.72	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.936	19.64	PASS
Band25	20MHz	64QAM	26140	100RB#0	17.954	19.68	PASS
Band25	20MHz	64QAM	26365	100RB#0	17.933	19.80	PASS
Band25	20MHz	64QAM	26590	100RB#0	17.948	19.60	PASS

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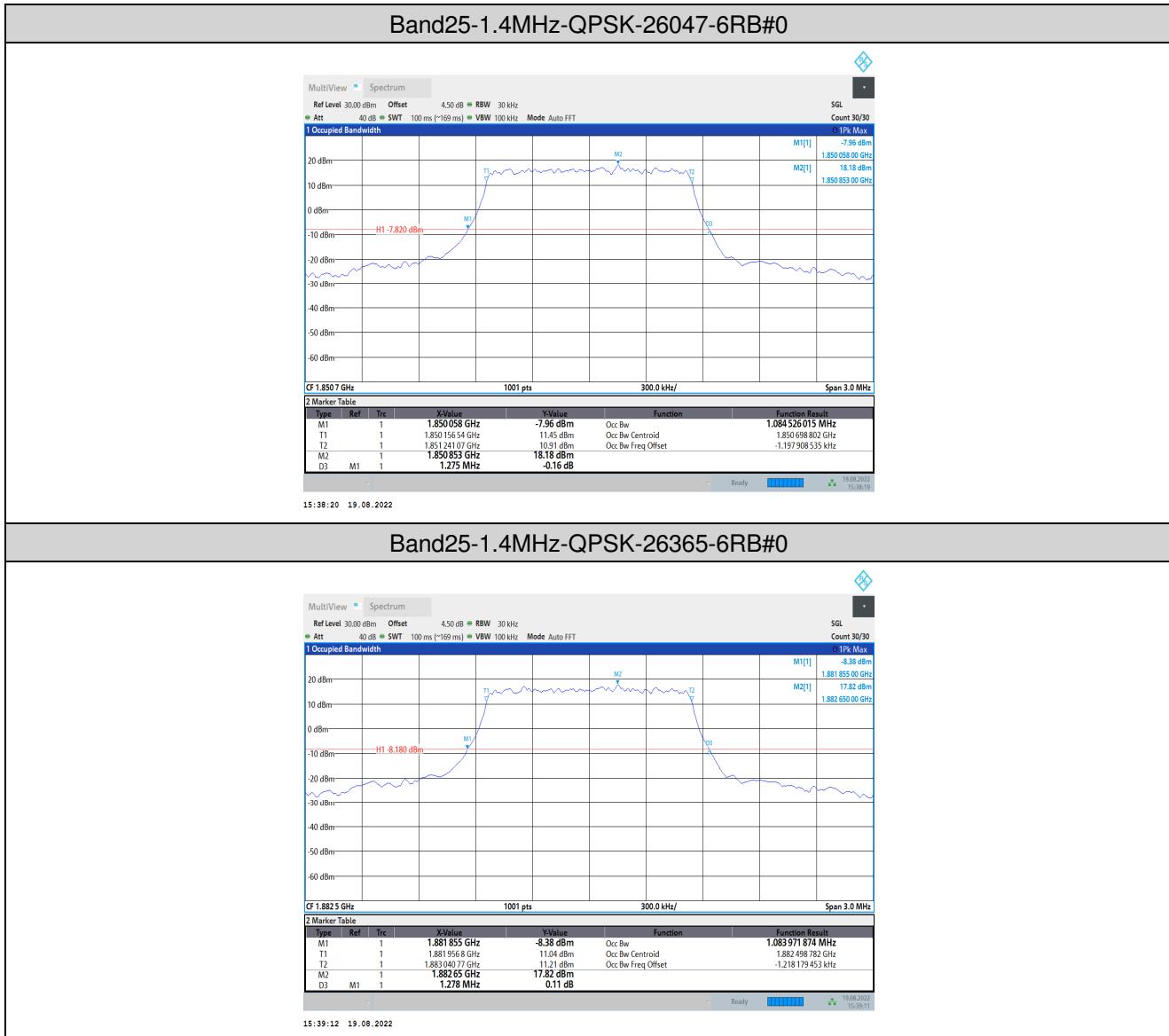


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 Page: 20 of 68

## Test Graphs



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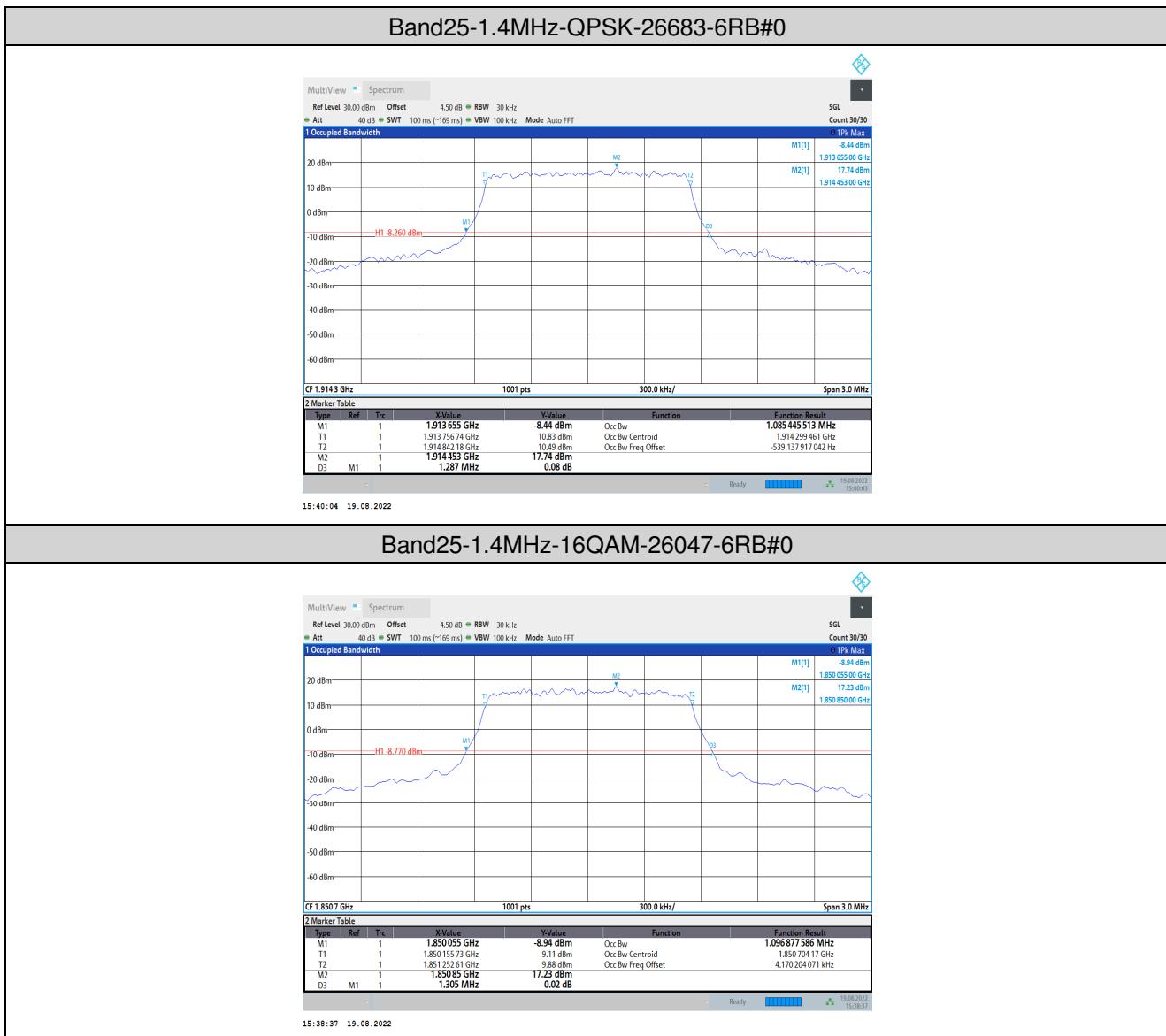


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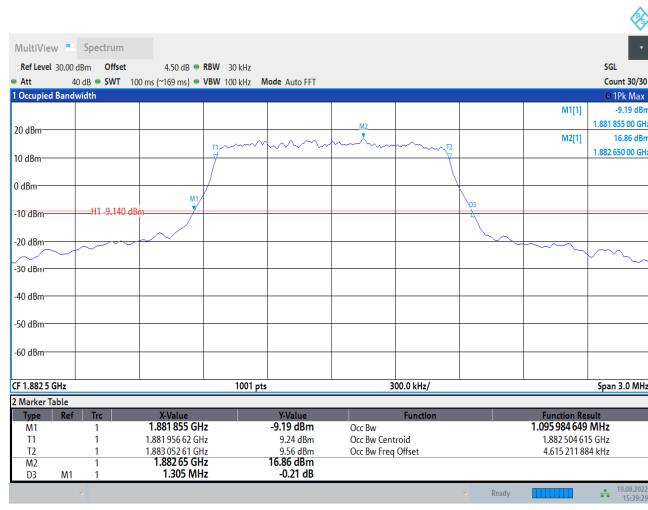
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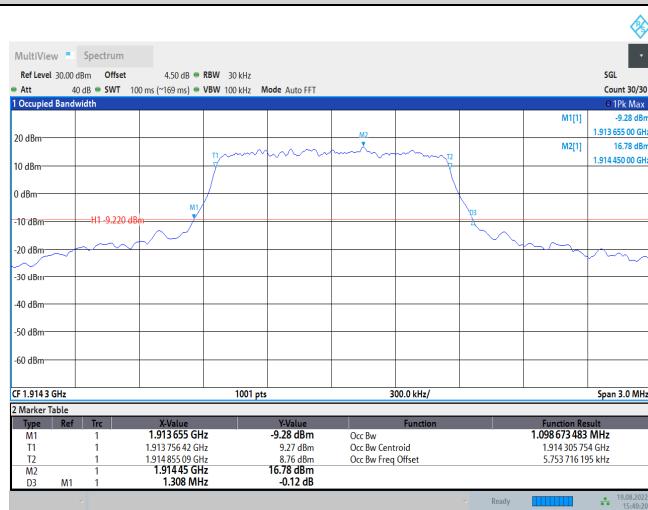
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Report No.: SEWM2208000146RG04  
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### Band25-1.4MHz-16QAM-26365-6RB#0



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



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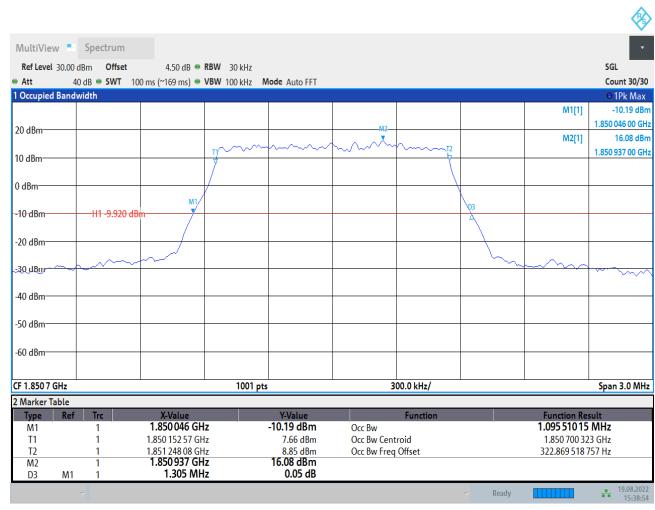


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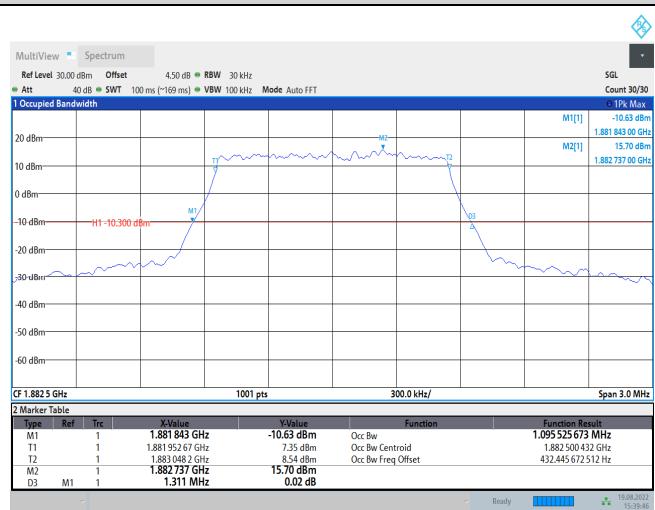
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Rev.: 01  
Page: 23 of 68

Band25-1.4MHz-64QAM-26047-6RB#0



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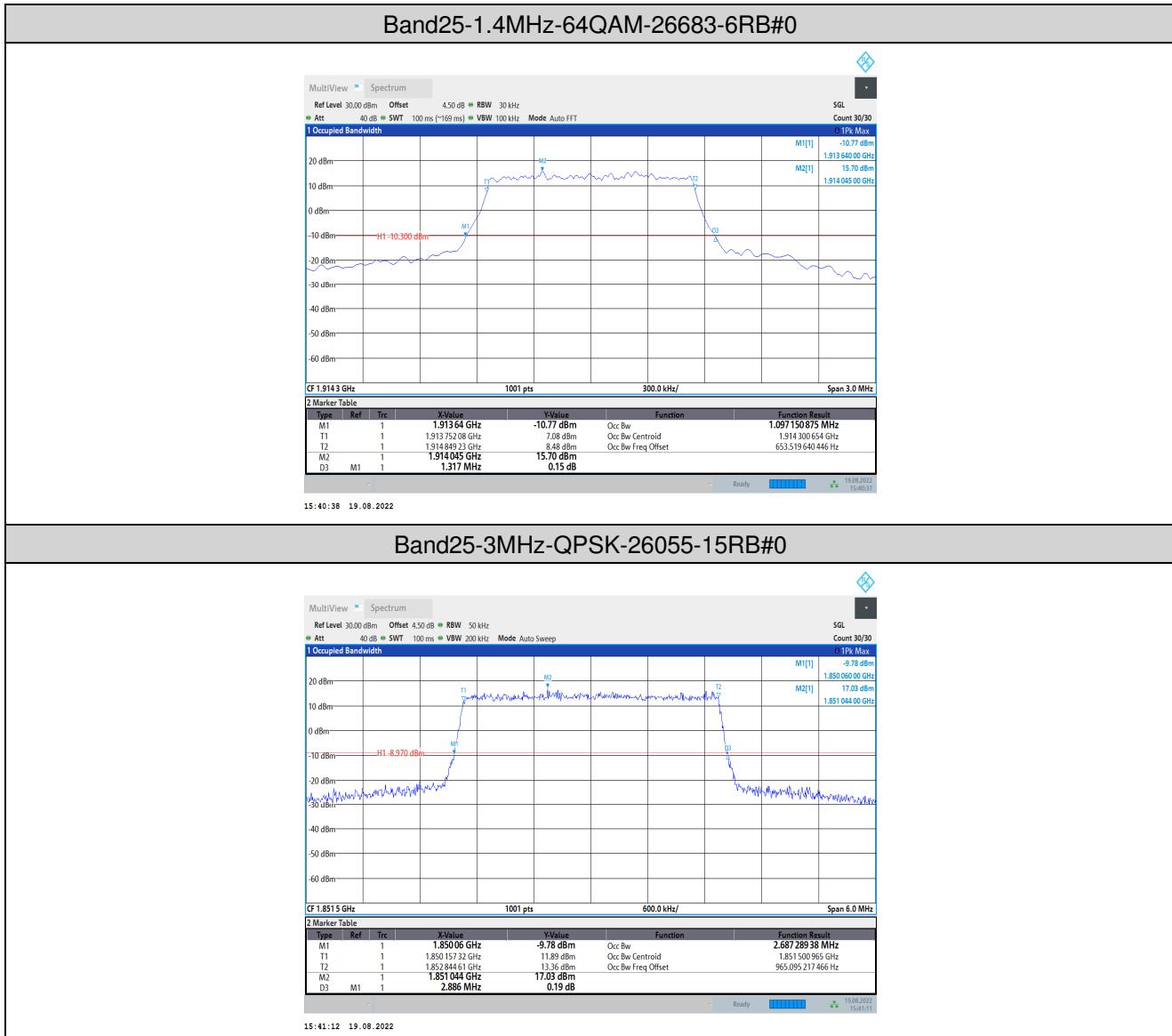


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Page: 24 of 68



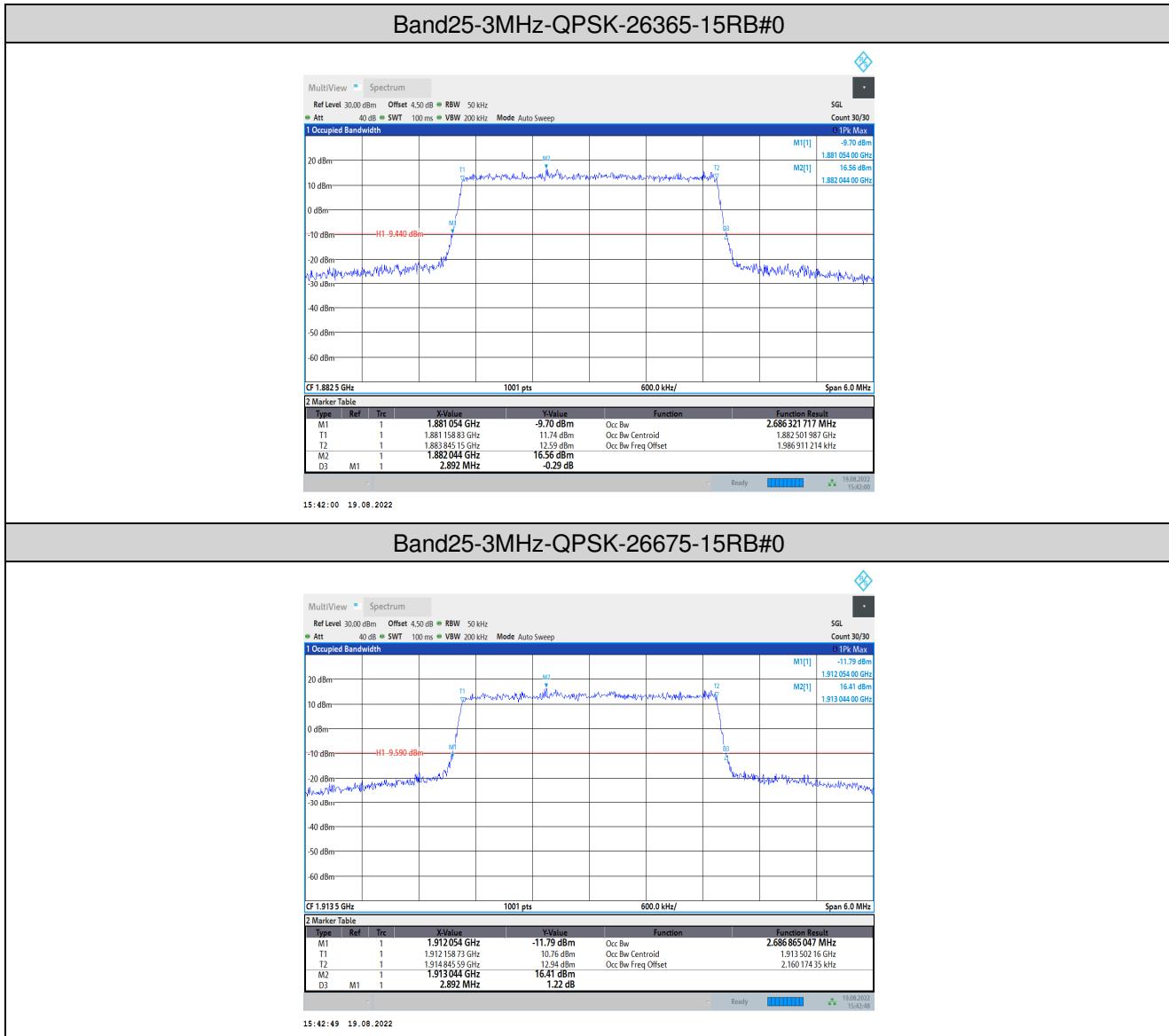
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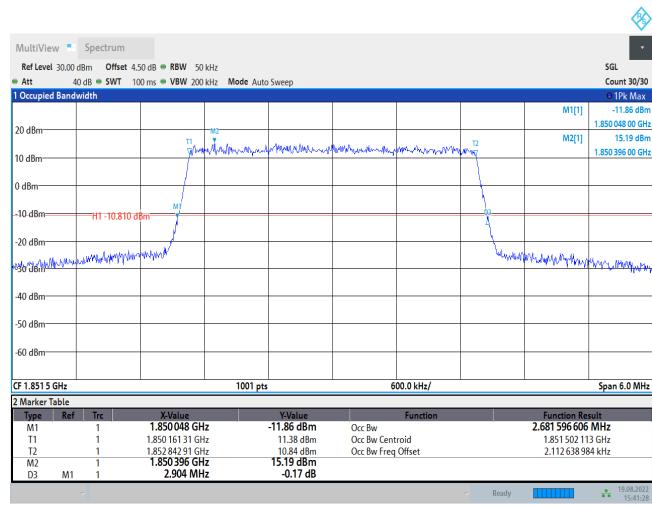
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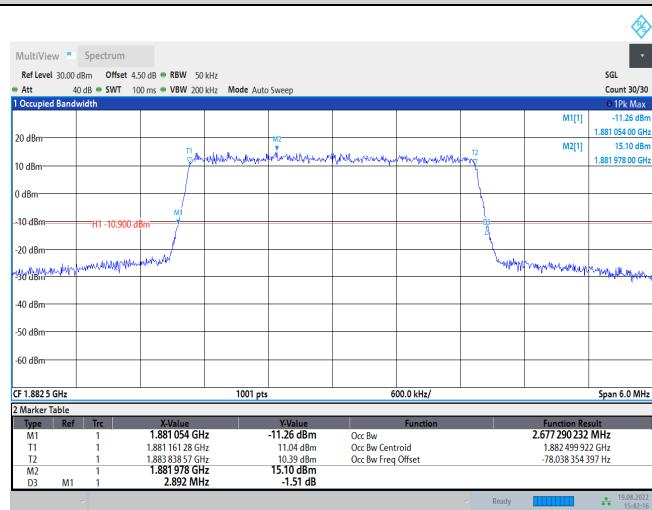
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Report No.: SEWM2208000146RG04  
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Page: 26 of 68

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



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



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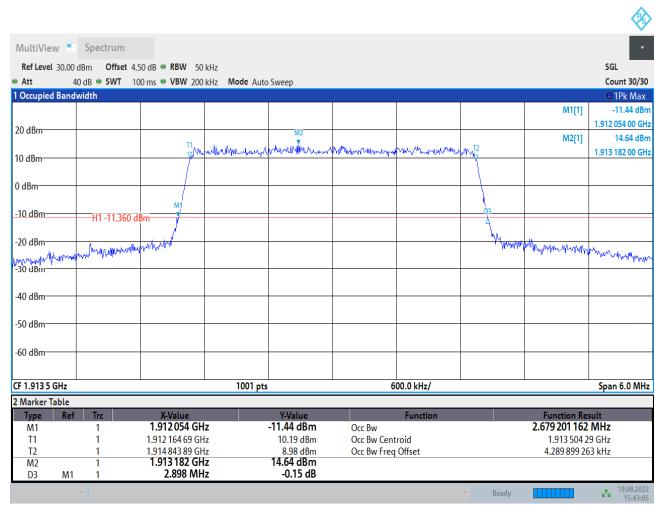
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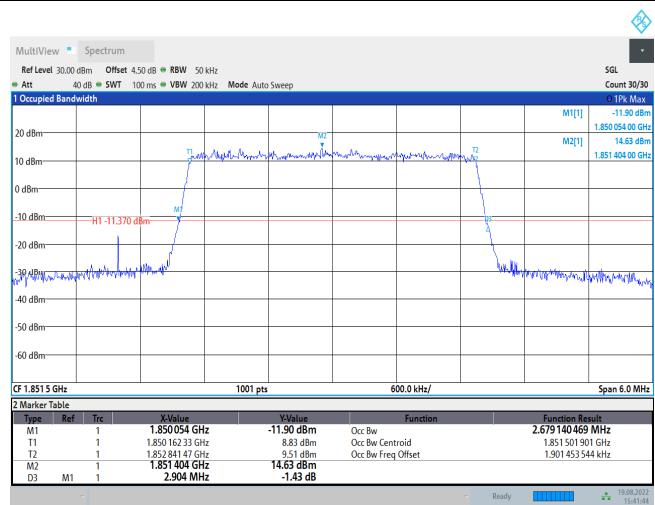
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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 27 of 68

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



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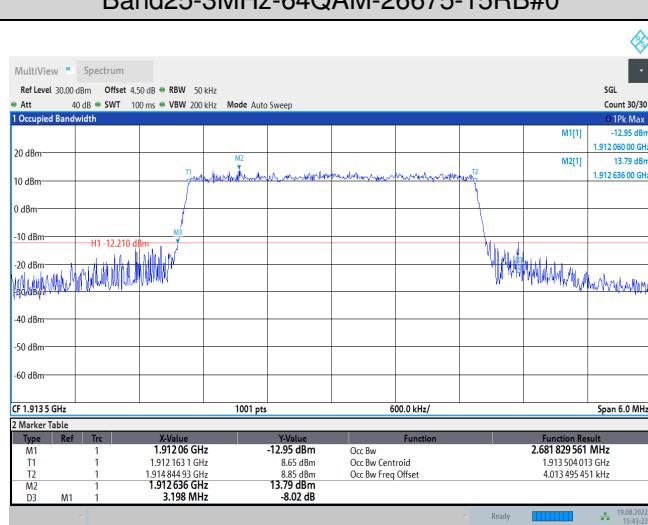
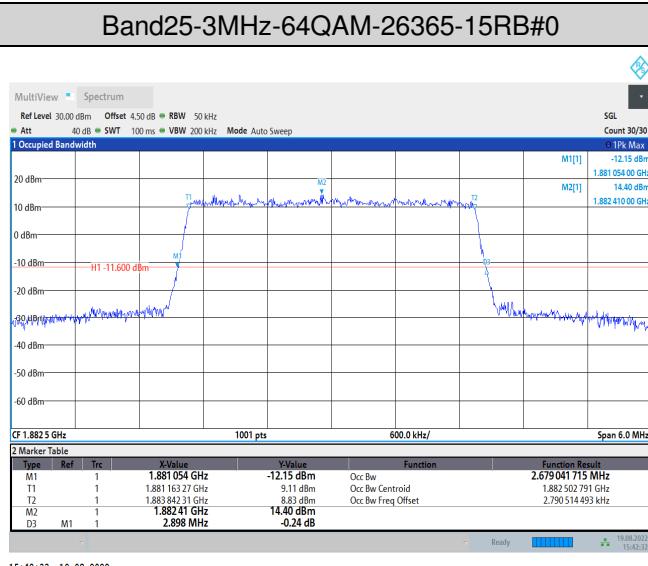


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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 28 of 68

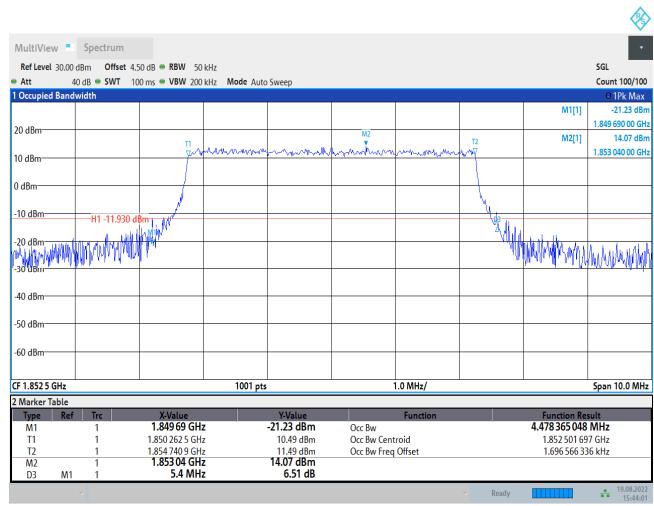


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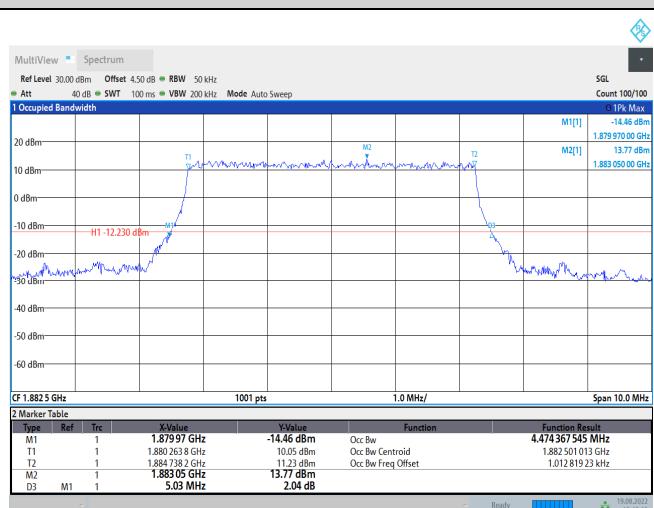


Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 29 of 68

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



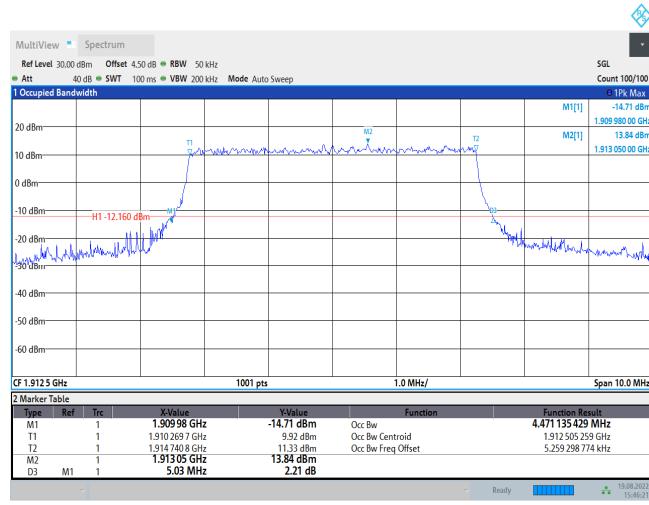
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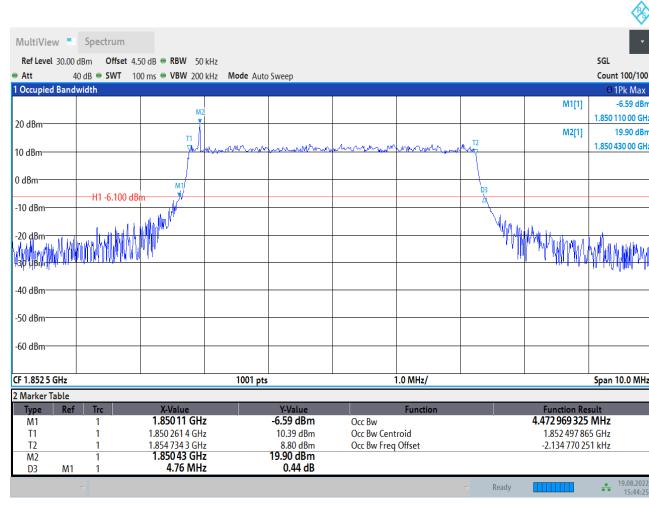
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Report No.: SEWM2208000146RG04  
 Rev.: 01  
 Page: 30 of 68

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

15:46:22 19.08.2022

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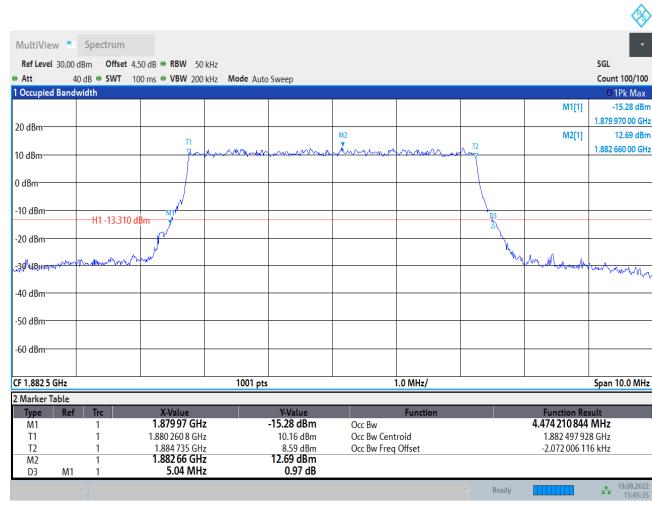
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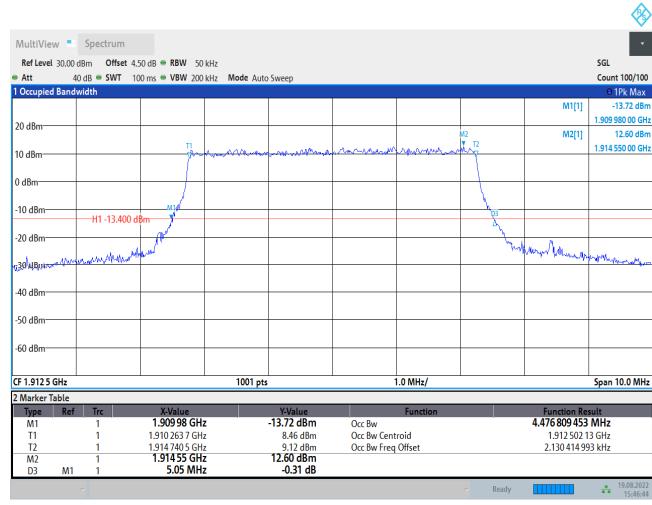
Report No.: SEWM2208000146RG04  
 Rev.: 01  
 Page: 31 of 68

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



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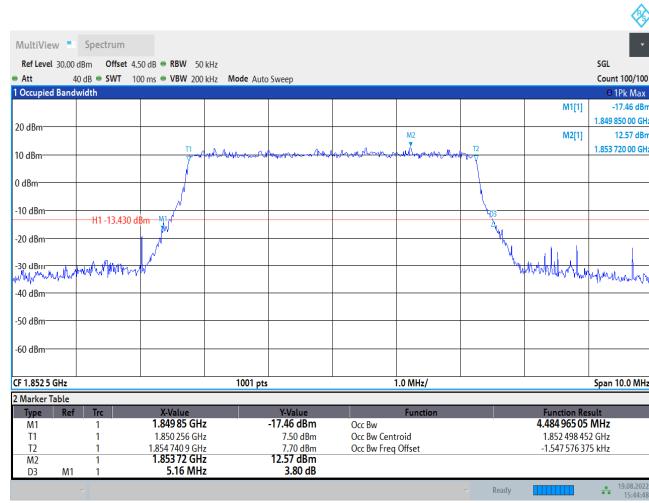
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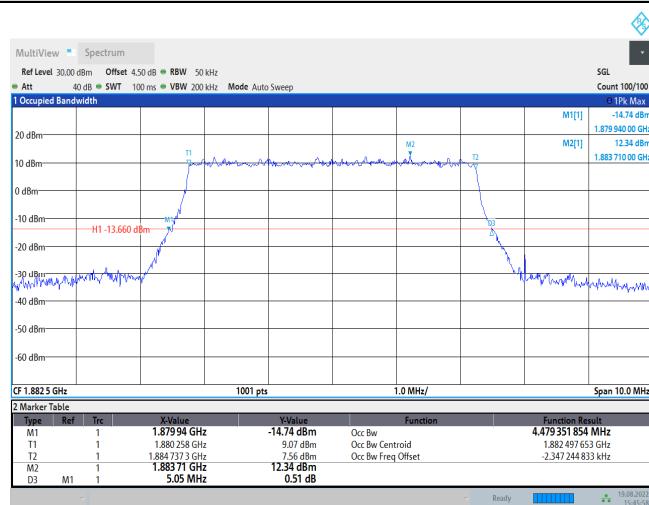
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Report No.: SEWM2208000146RG04  
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 Page: 32 of 68

### Band25-5MHz-64QAM-26065-25RB#0



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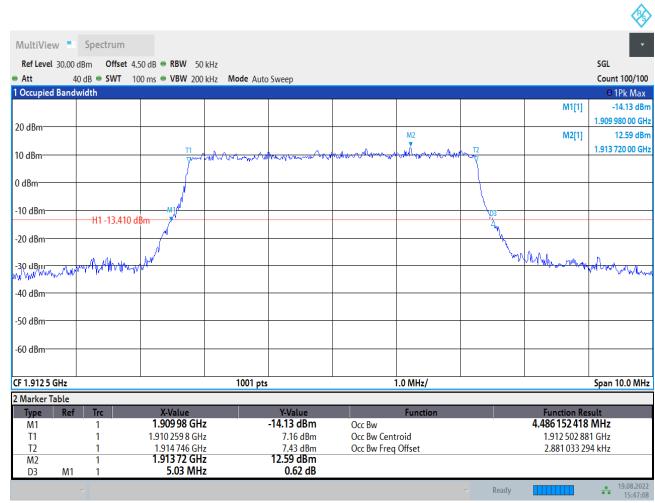
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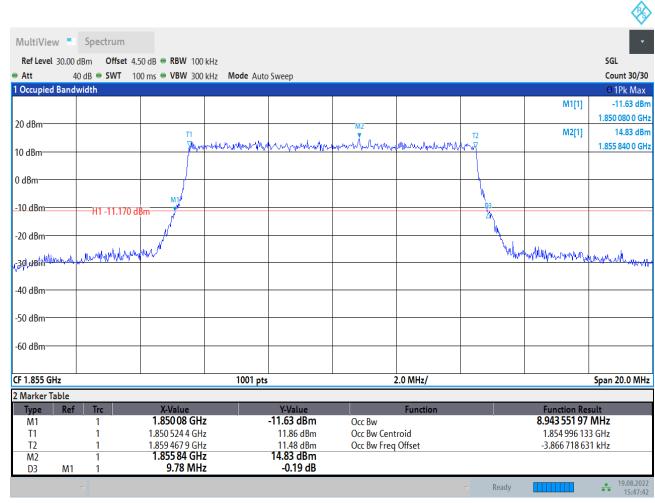
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 Rev.: 01  
 Page: 33 of 68

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



15:47:09 19.08.2022

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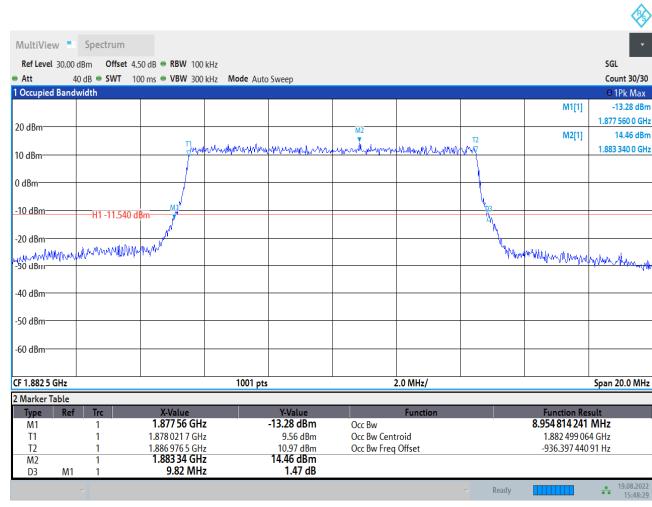
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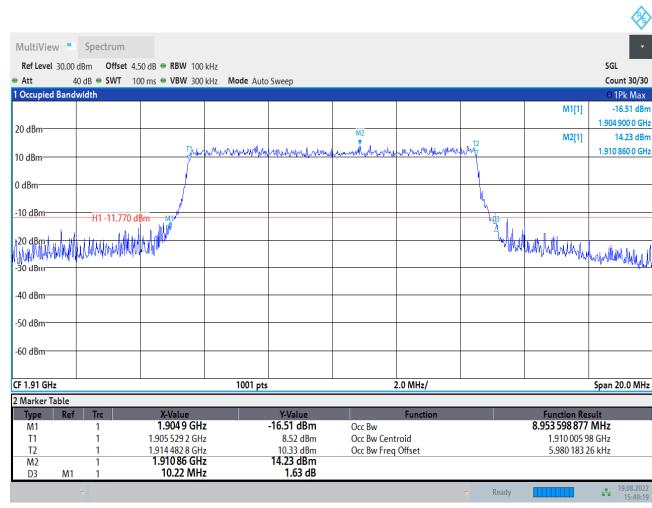
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Rev.: 01  
Page: 34 of 68

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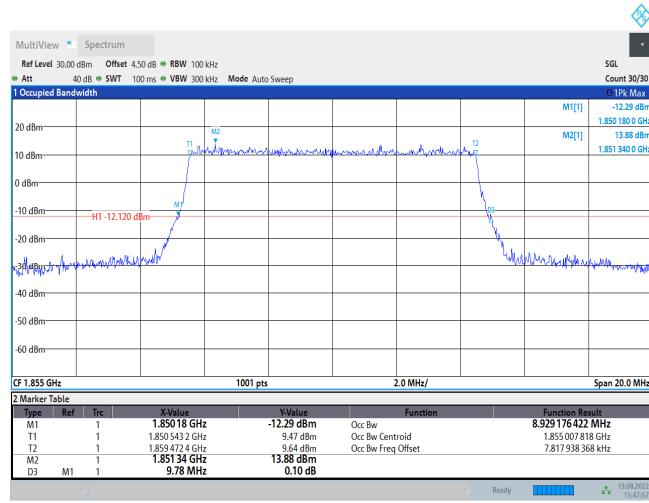
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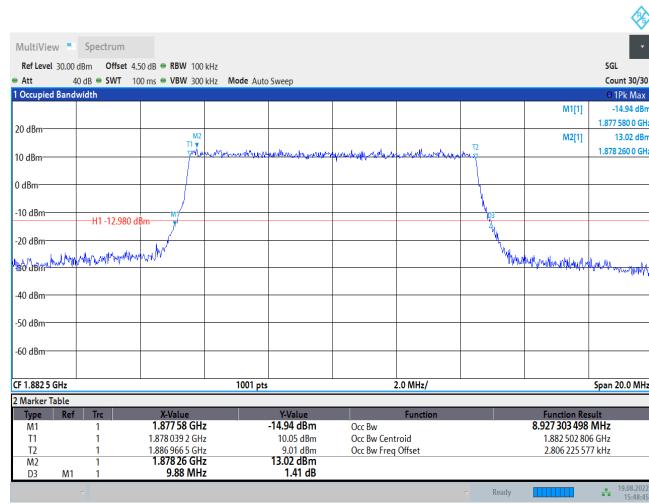
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Rev.: 01  
Page: 35 of 68

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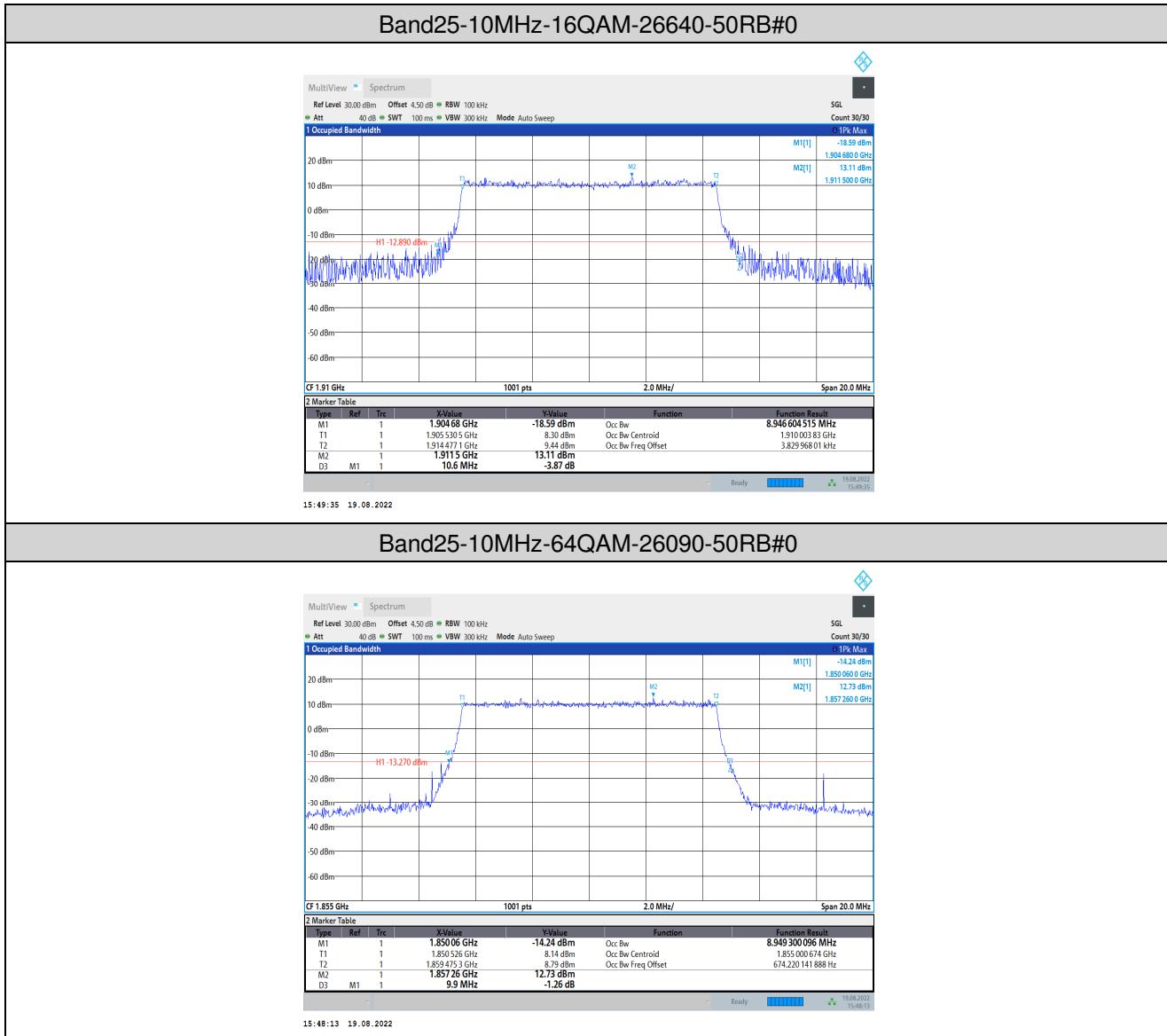
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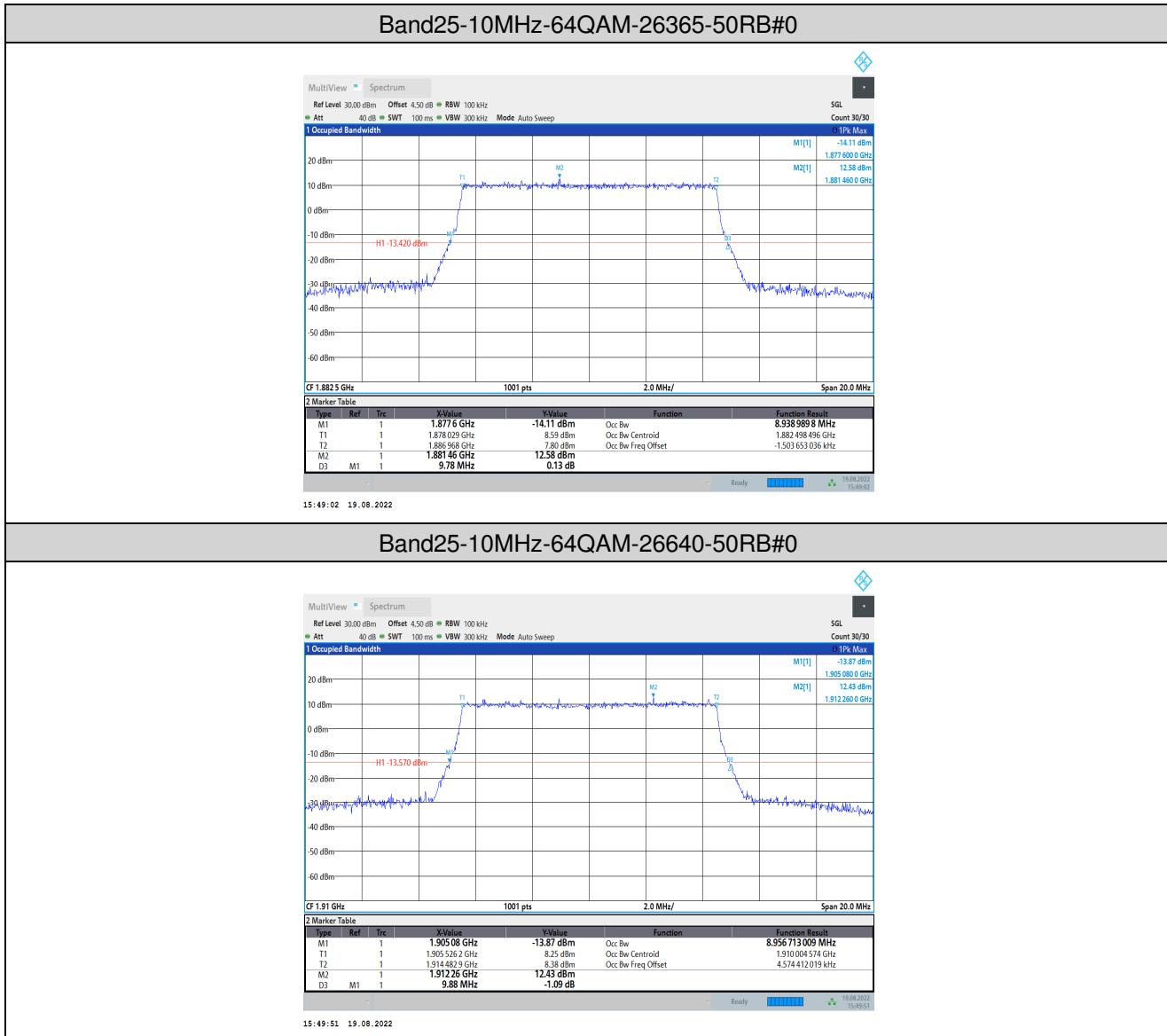


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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 38 of 68



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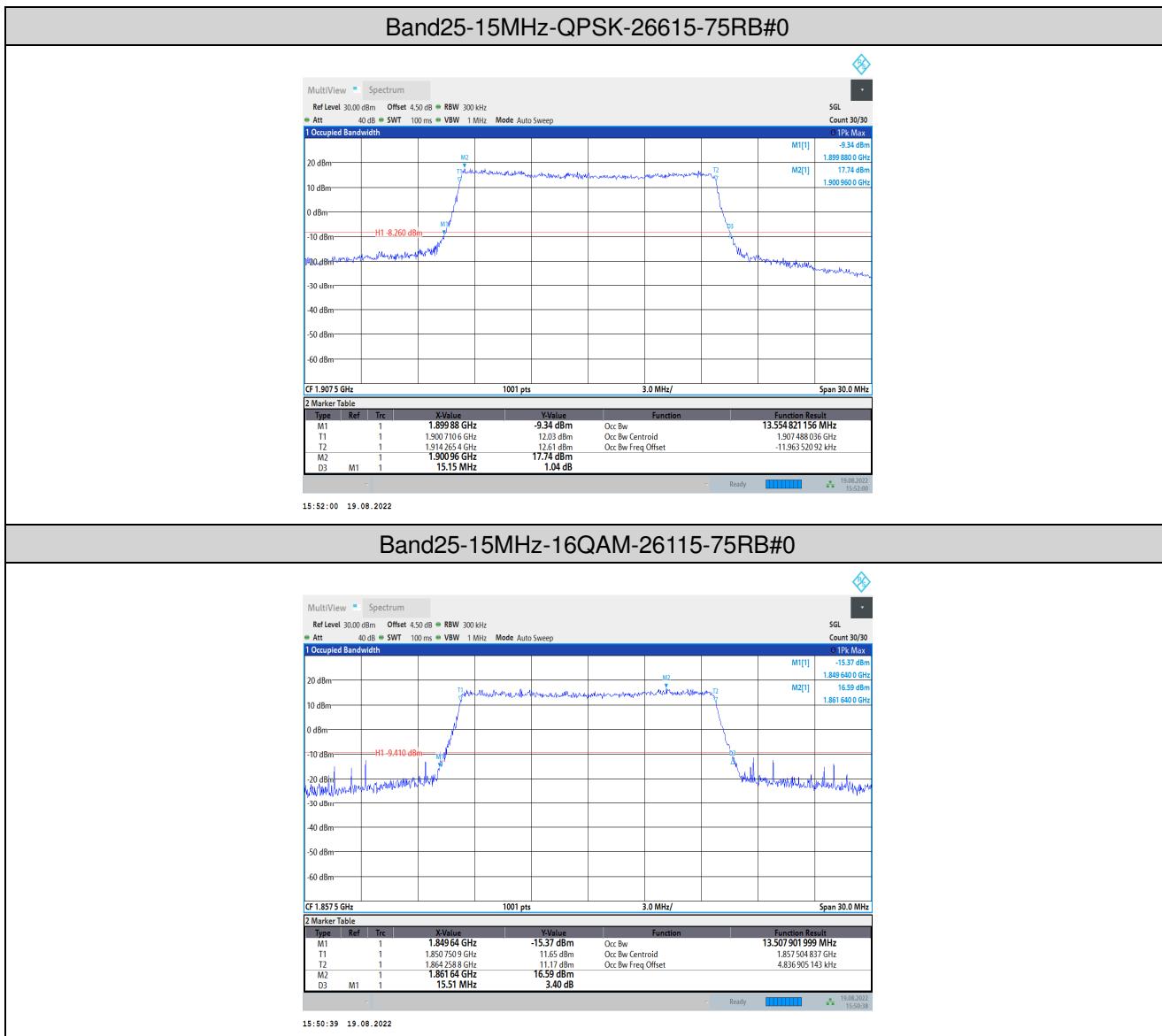


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 Rev.: 01  
 Page: 39 of 68



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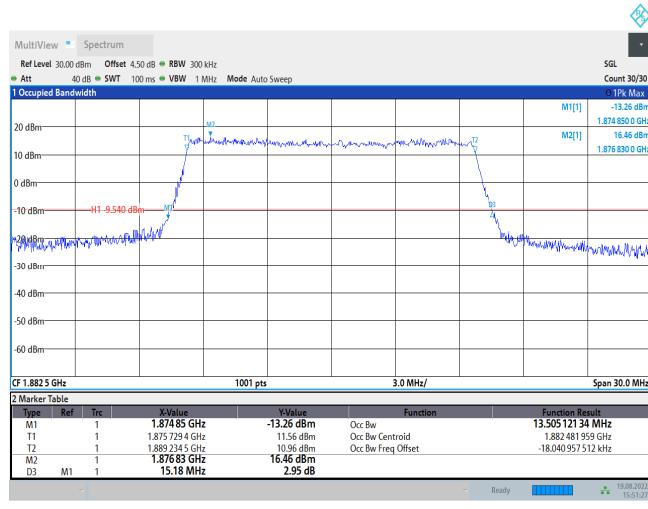
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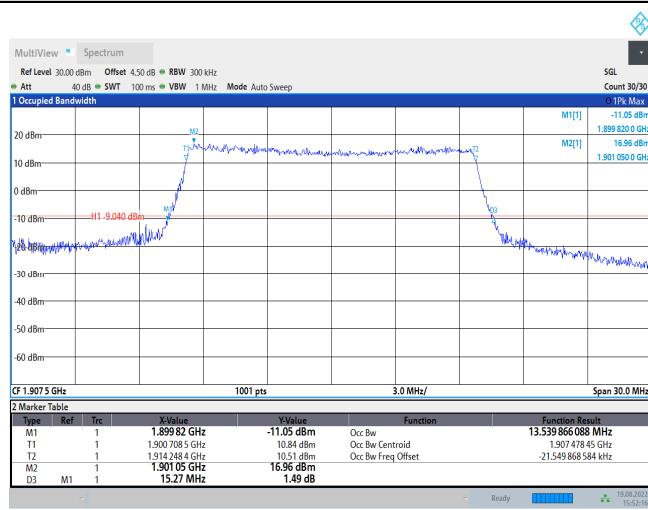
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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 40 of 68

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



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



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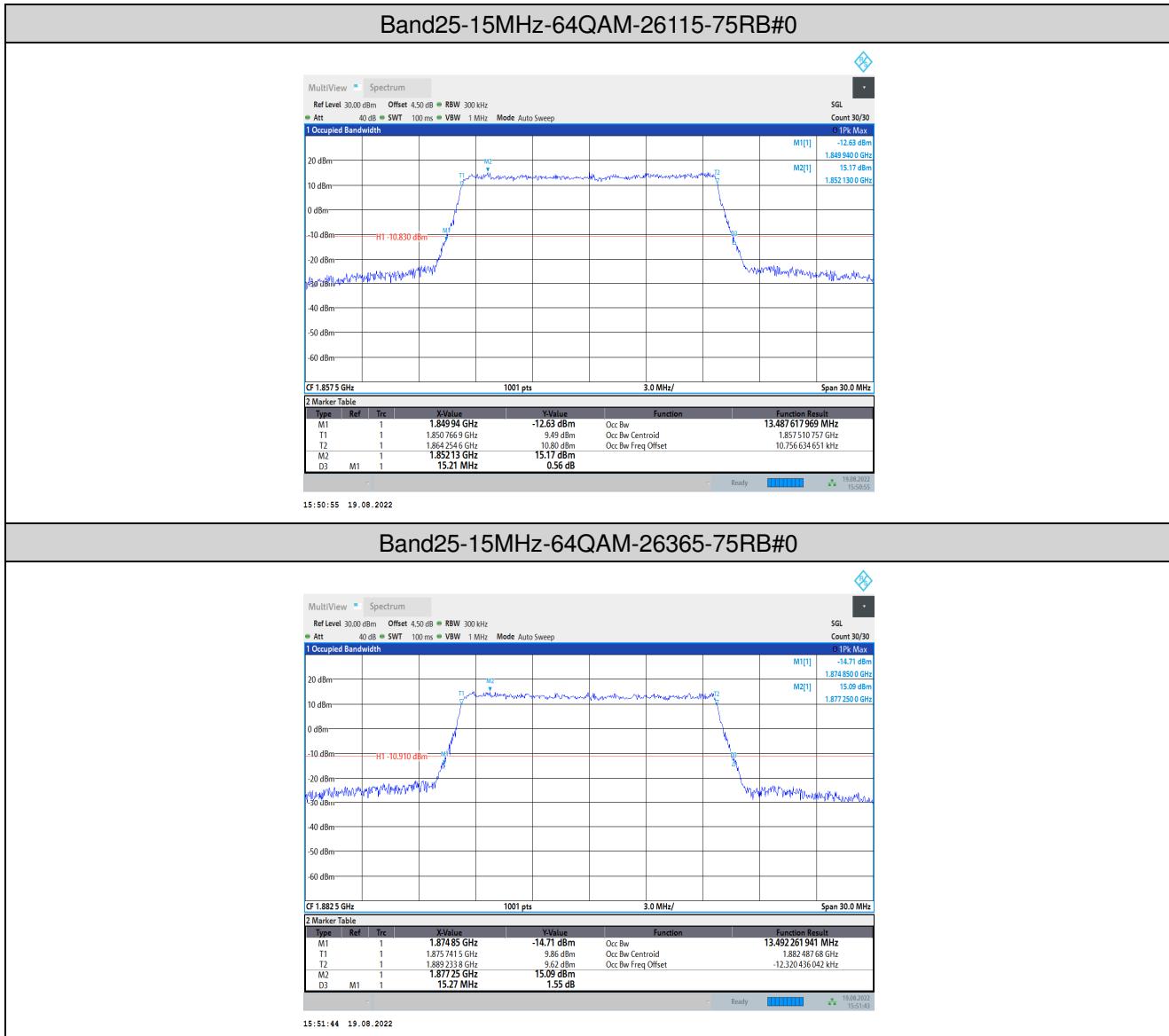


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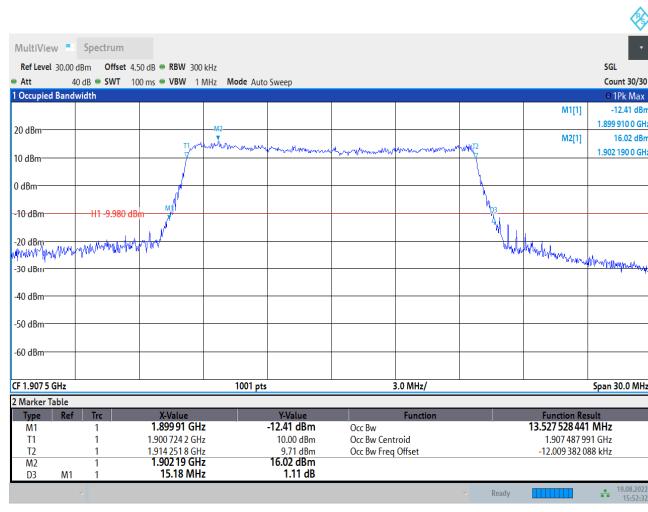
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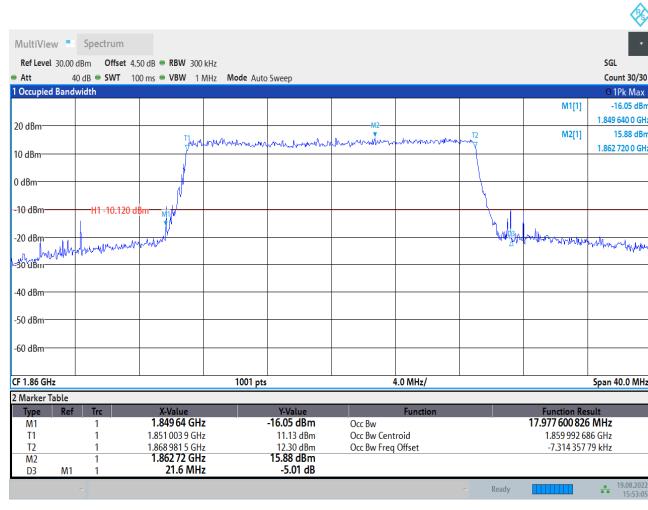
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Rev.: 01

Page: 42 of 68

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

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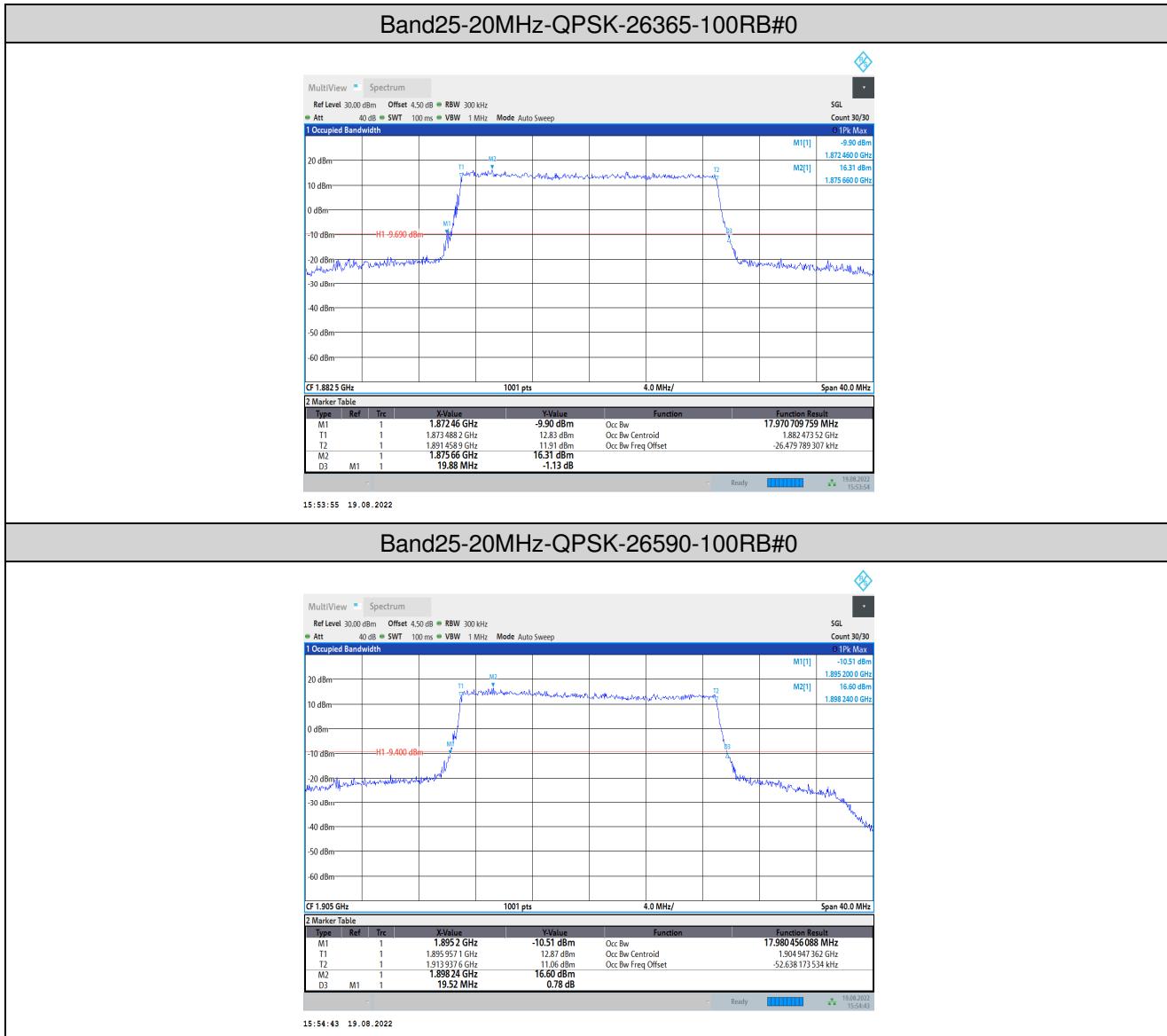
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Page: 43 of 68



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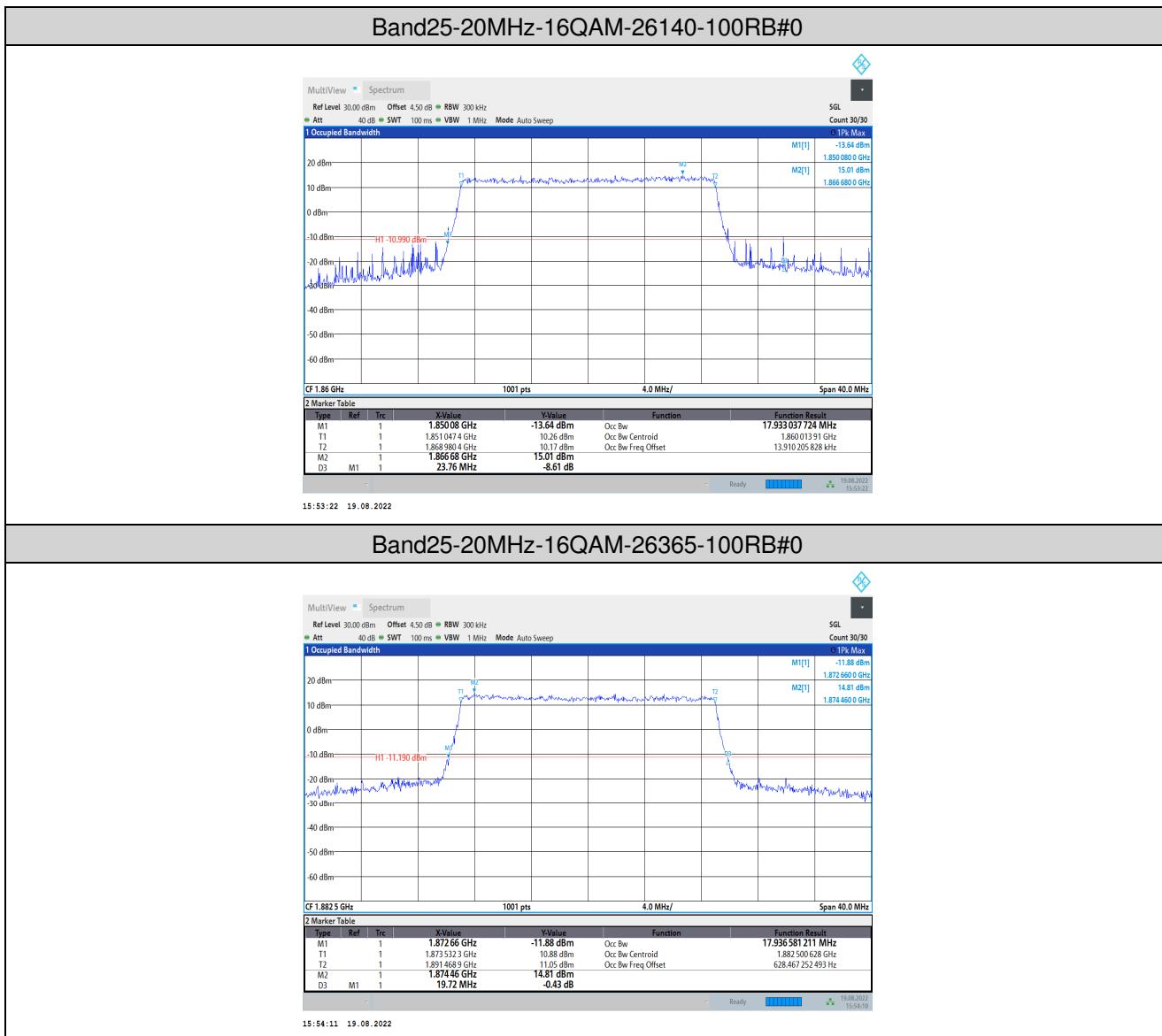


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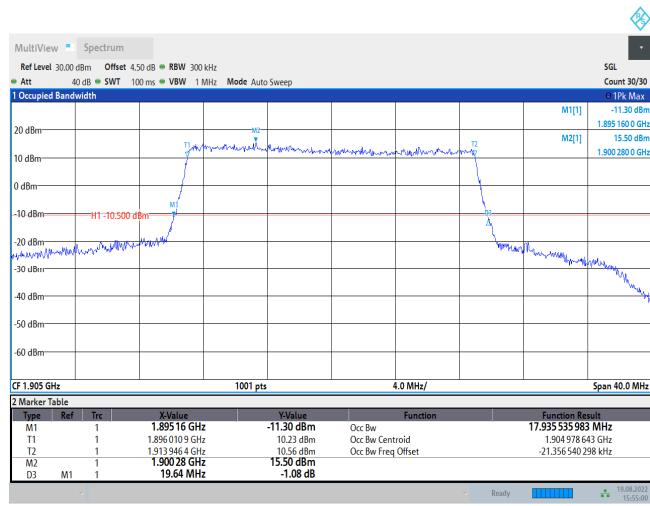
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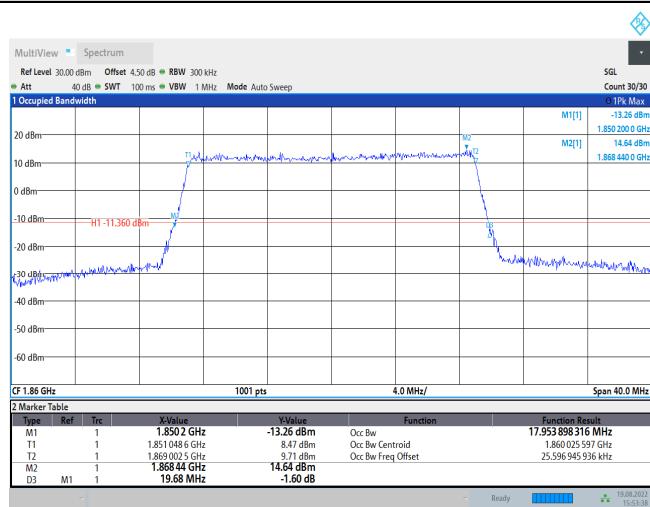
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Band25-20MHz-16QAM-26590-100RB#0



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



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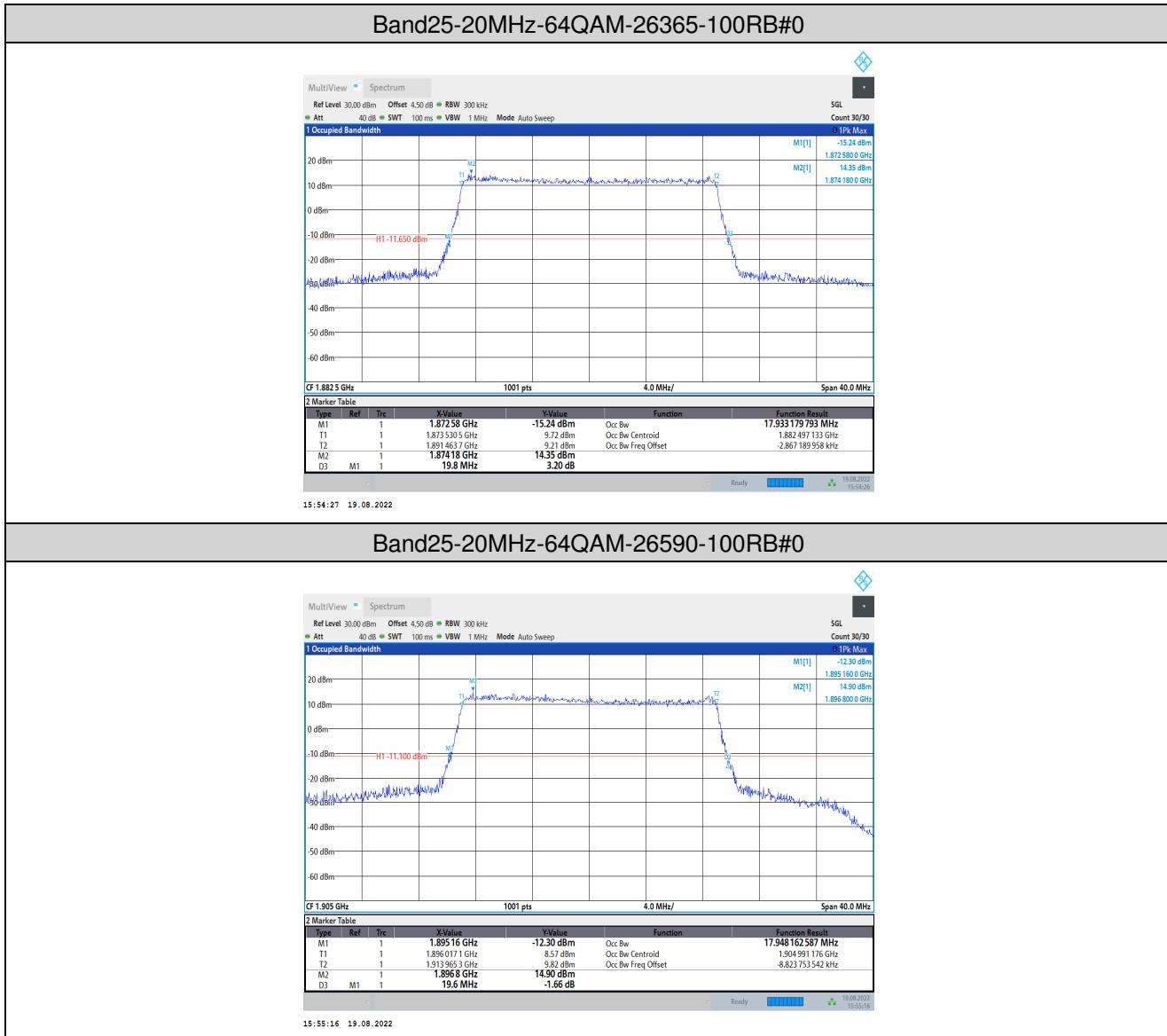
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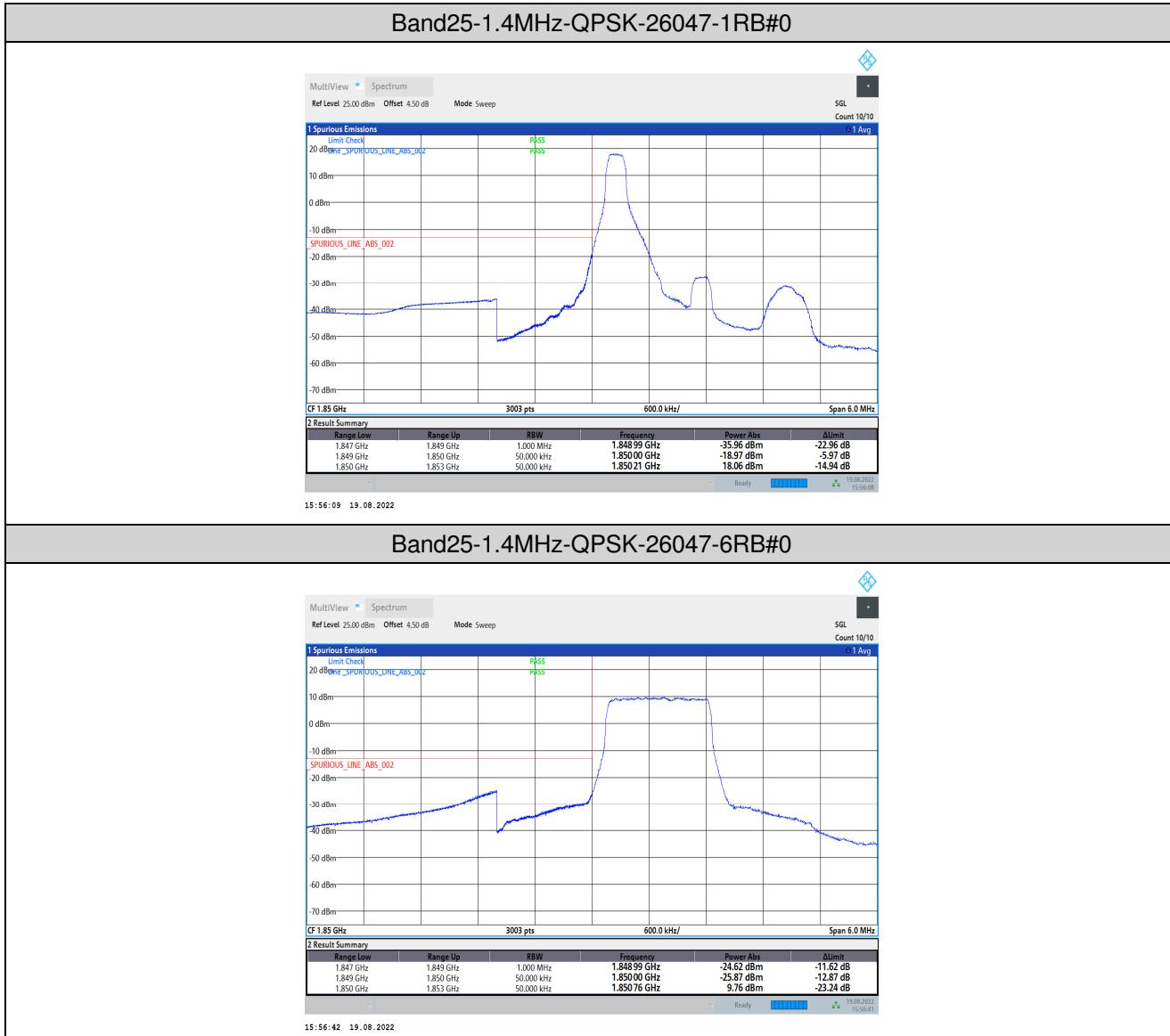
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## Band Edge

### Test Graphs



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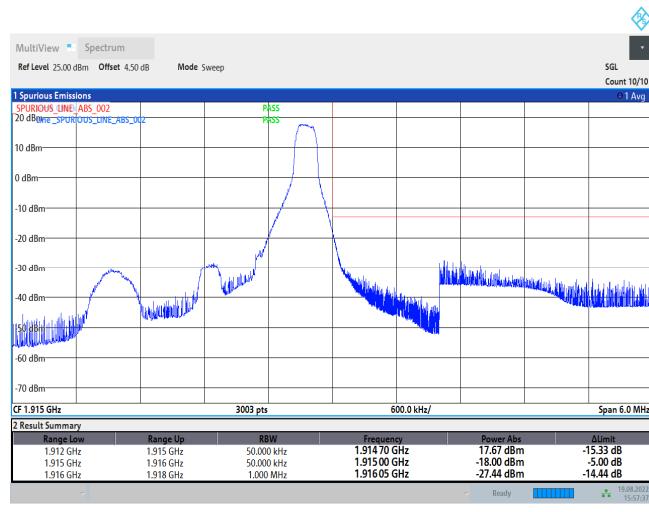


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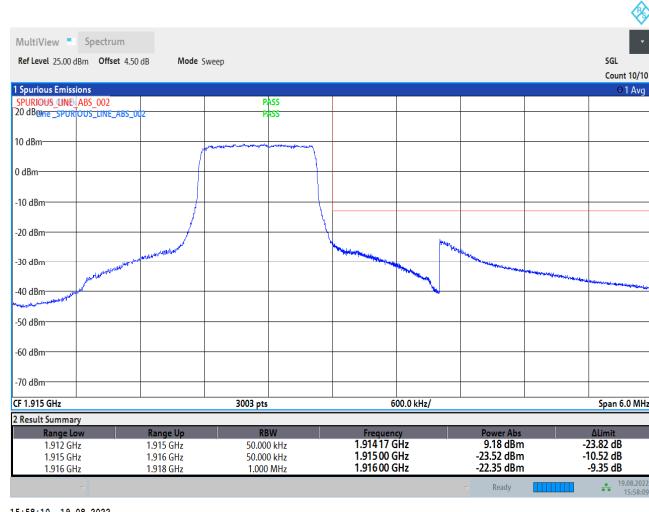
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Rev.: 01

Page: 48 of 68

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

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

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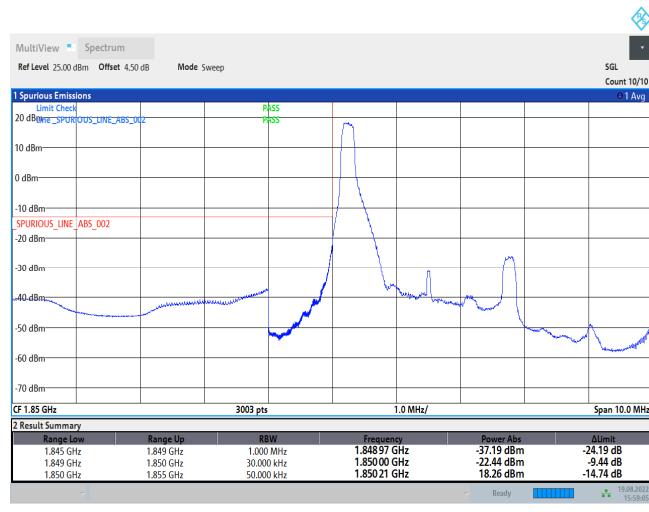
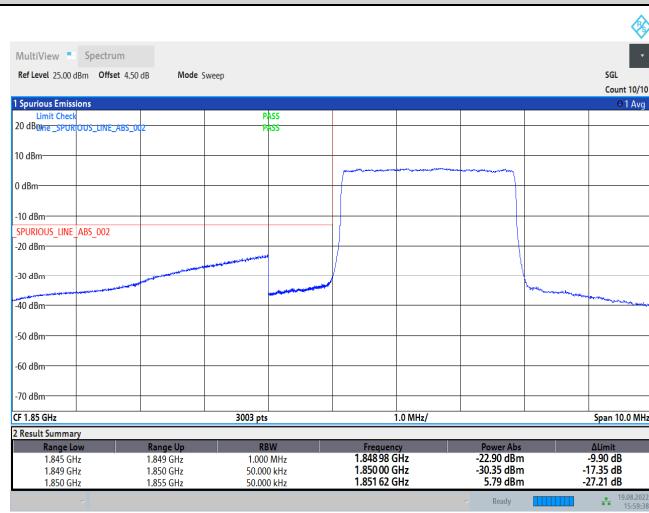
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Report No.: SEWM2208000146RG04

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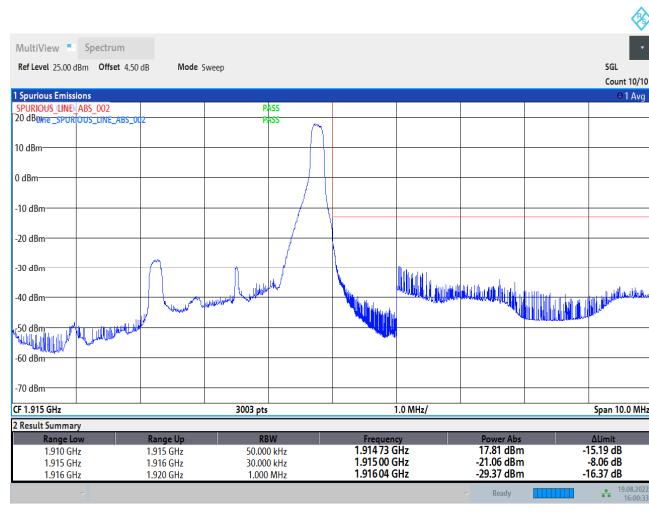
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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 50 of 68

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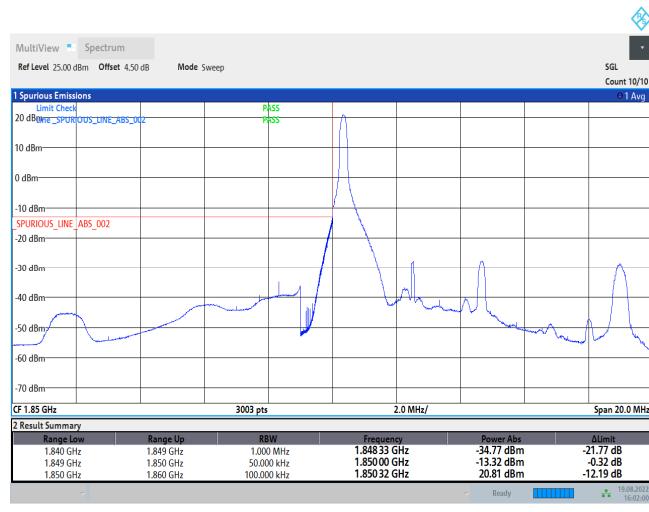
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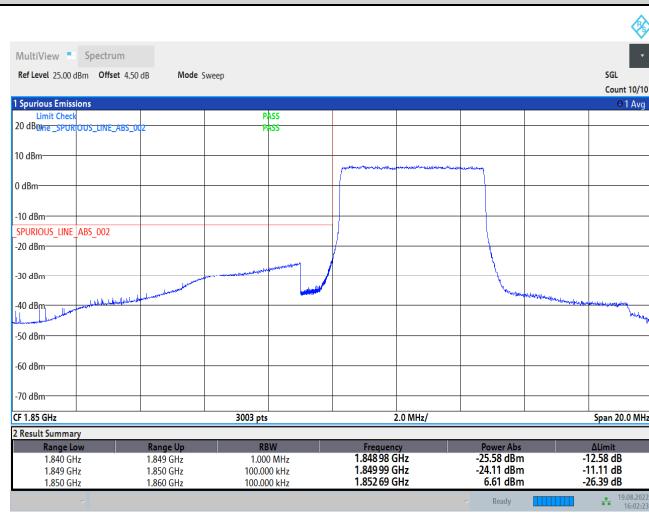
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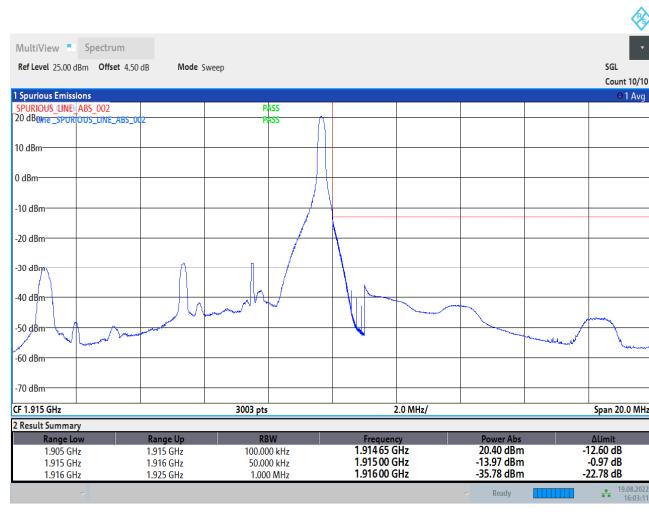
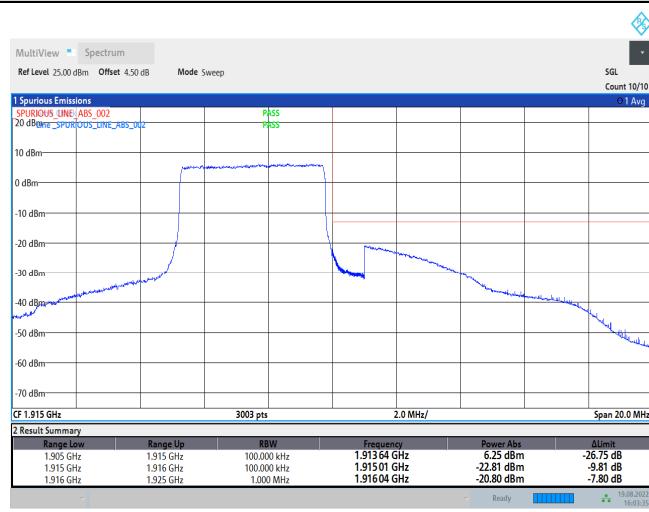
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Rev.: 01

Page: 52 of 68

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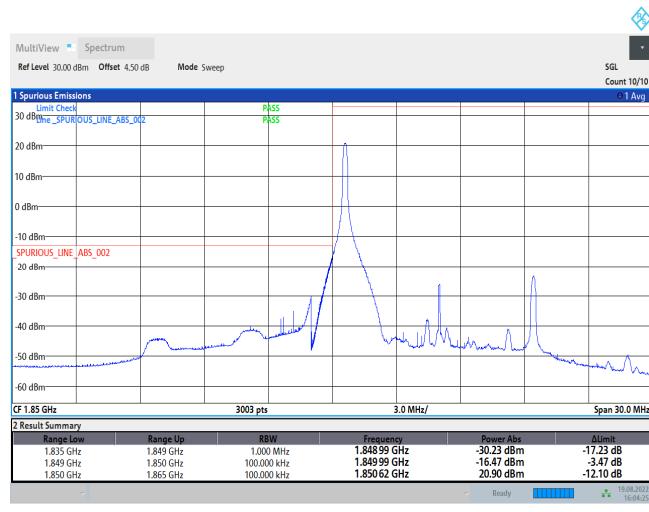
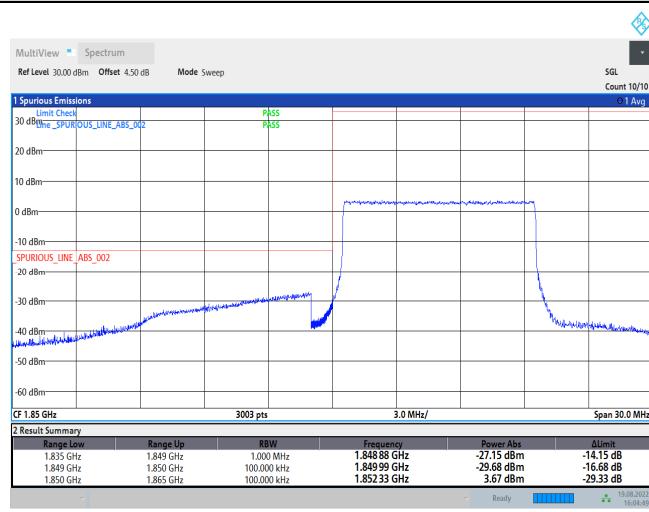
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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 53 of 68

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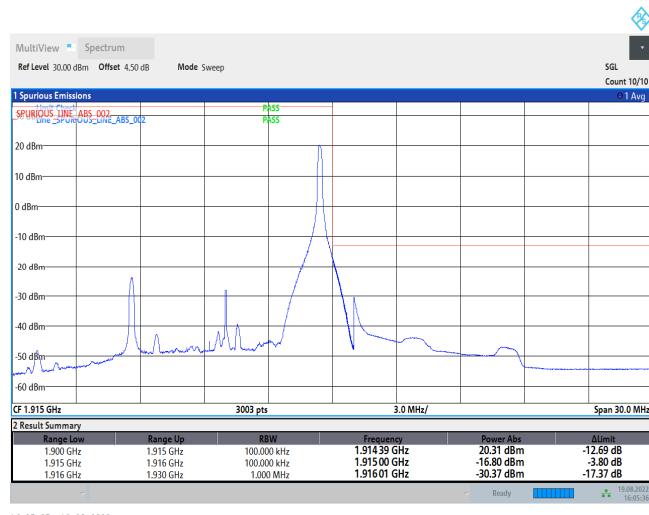
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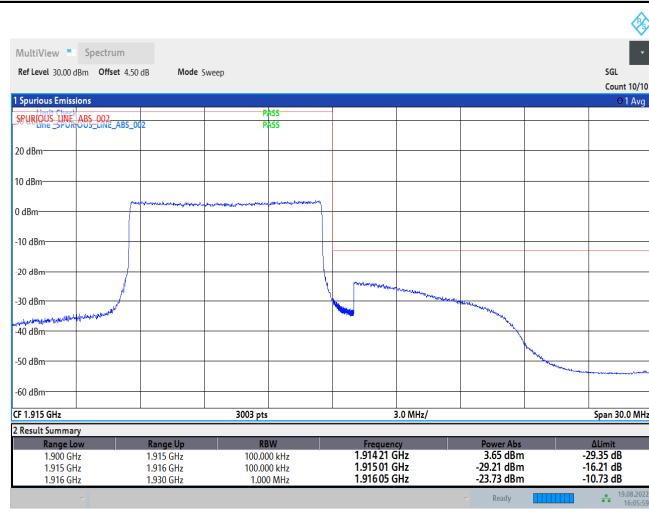
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 Page: 54 of 68

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



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



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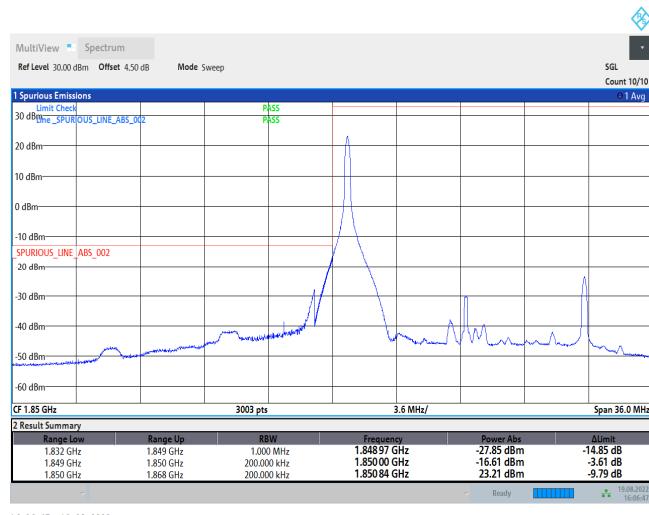
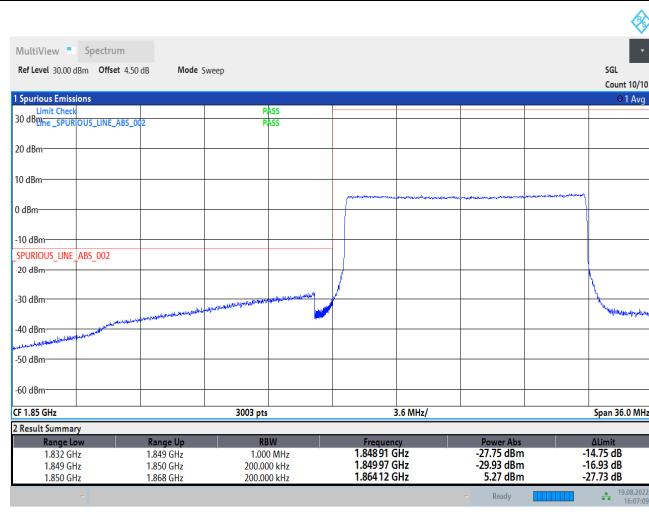
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Rev.: 01

Page: 55 of 68

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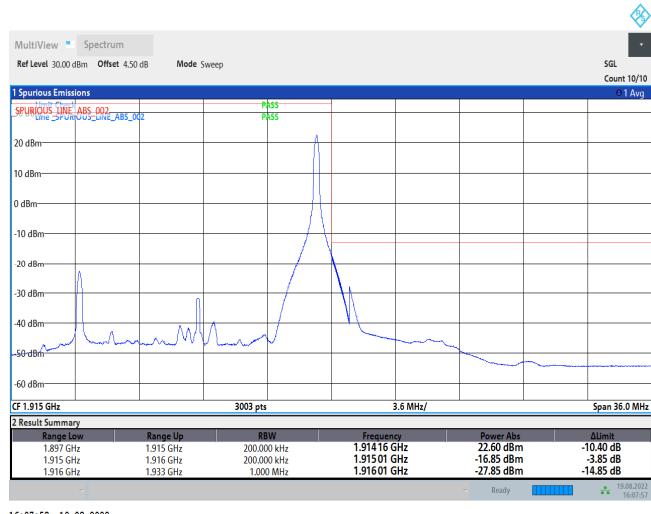
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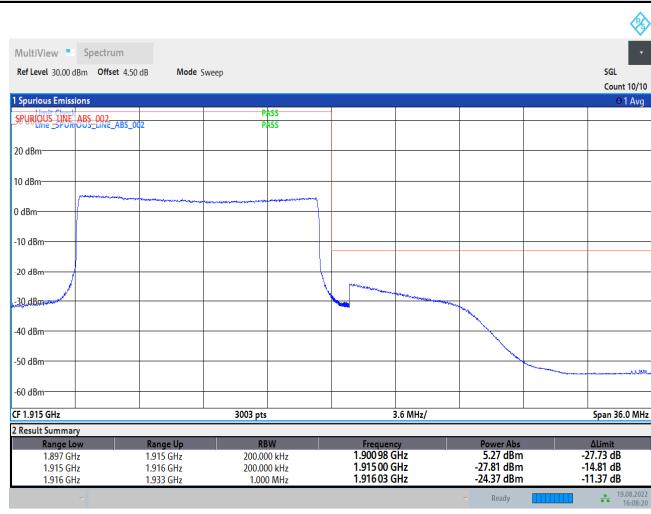
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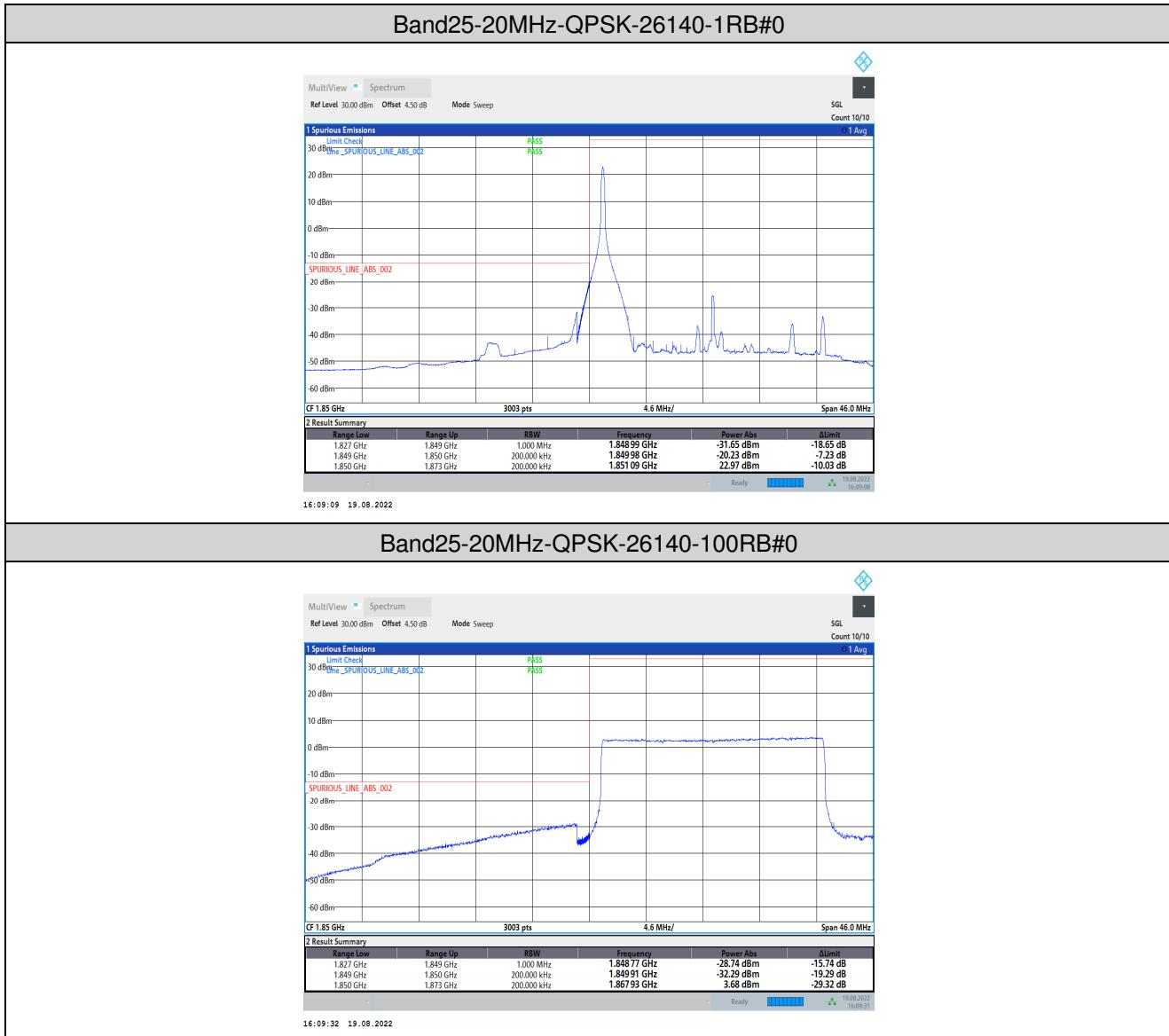


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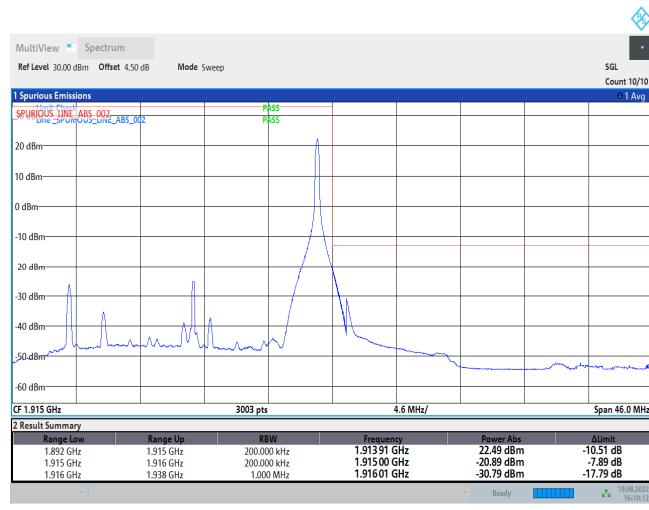
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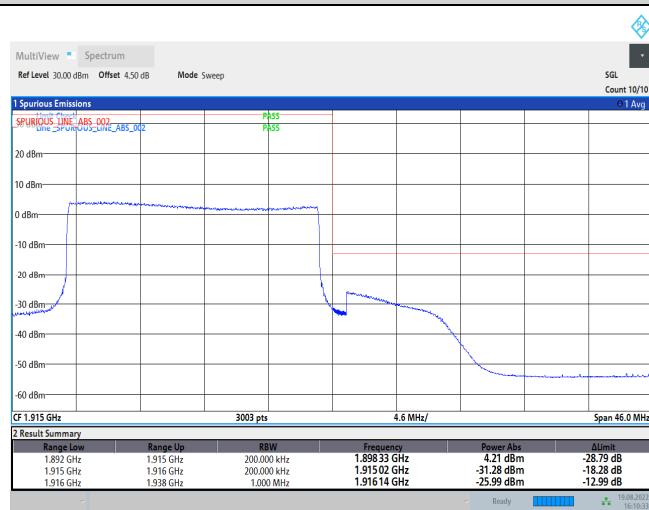
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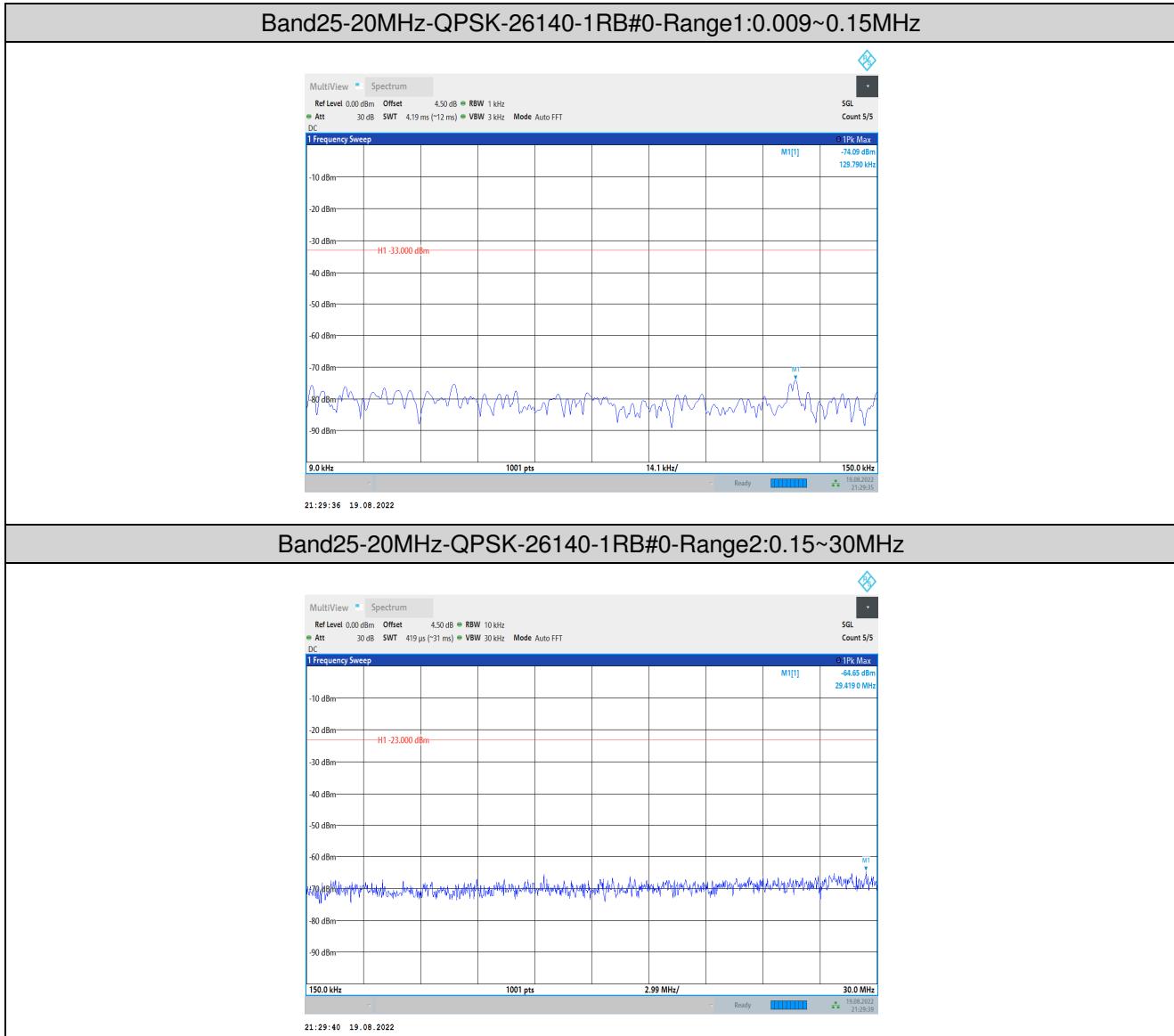
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## Conducted Spurious Emission

### Test Graphs



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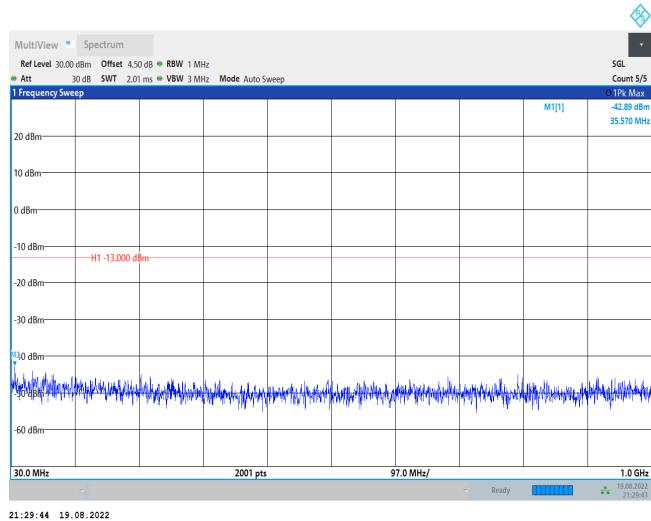
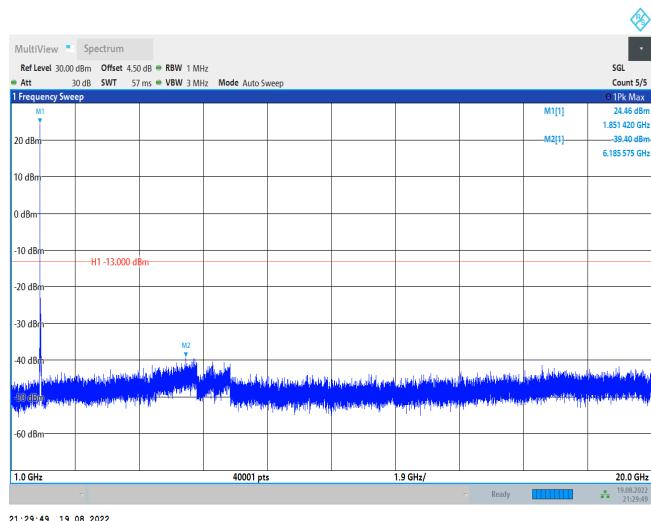


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Rev.: 01  
Page: 60 of 68

**Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz****Band25-20MHz-QPSK-26140-1RB#0-Range4:1000~20000MHz**

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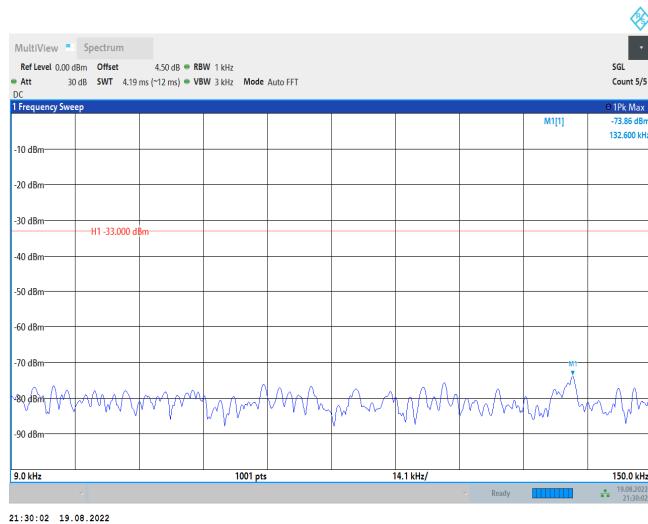
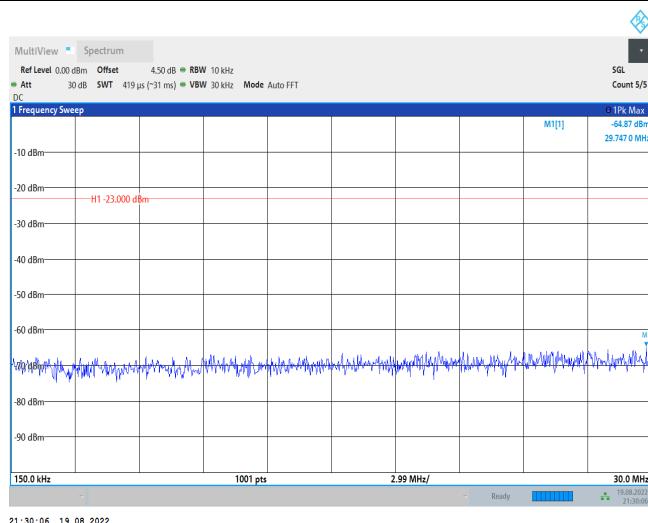
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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 61 of 68

**Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz****Band25-20MHz-QPSK-26365-1RB#0-Range2:0.15~30MHz**

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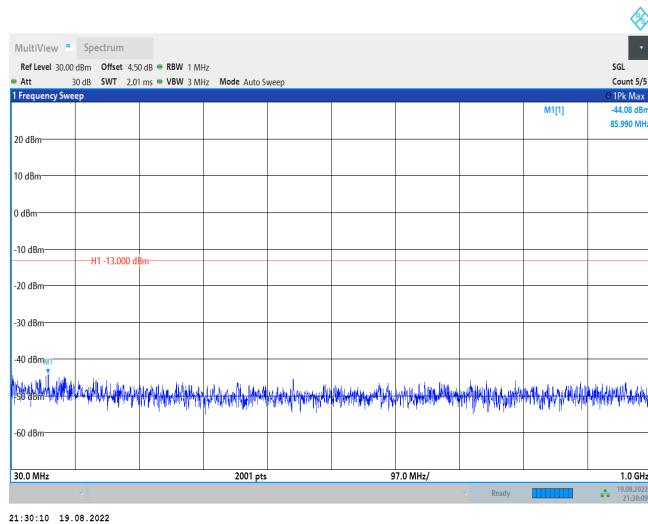
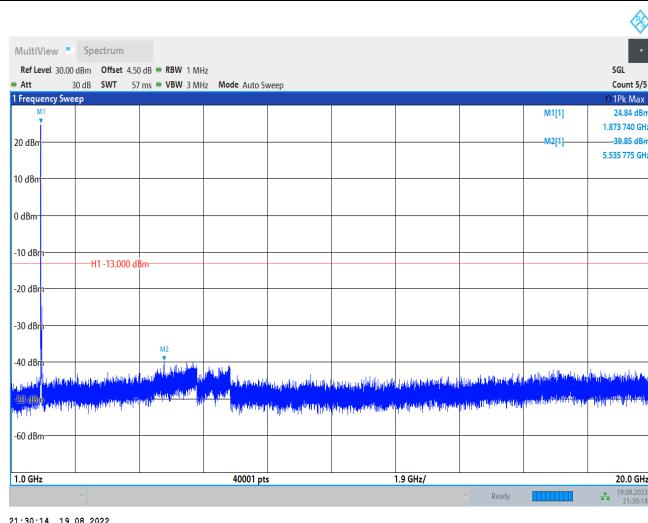


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Report No.: SEWM2208000146RG04

Rev.: 01

Page: 62 of 68

**Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz****Band25-20MHz-QPSK-26365-1RB#0-Range4:1000~20000MHz**

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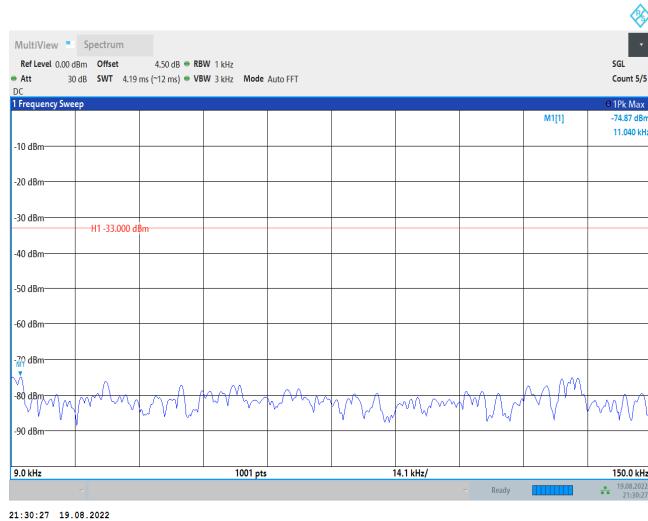
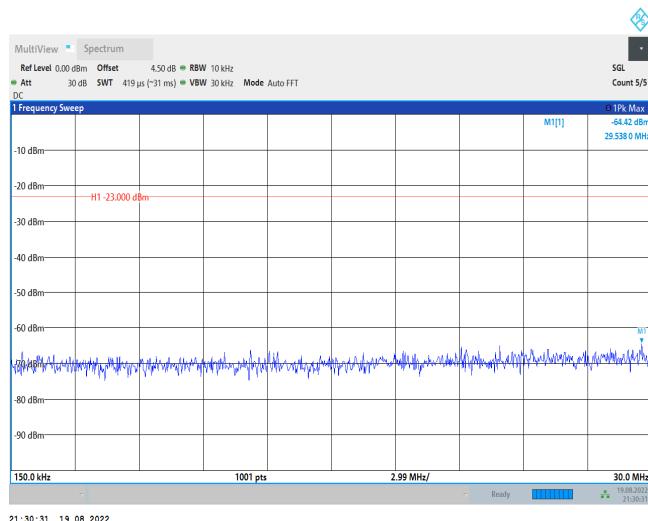
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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 63 of 68

**Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz****Band25-20MHz-QPSK-26590-1RB#0-Range2:0.15~30MHz**

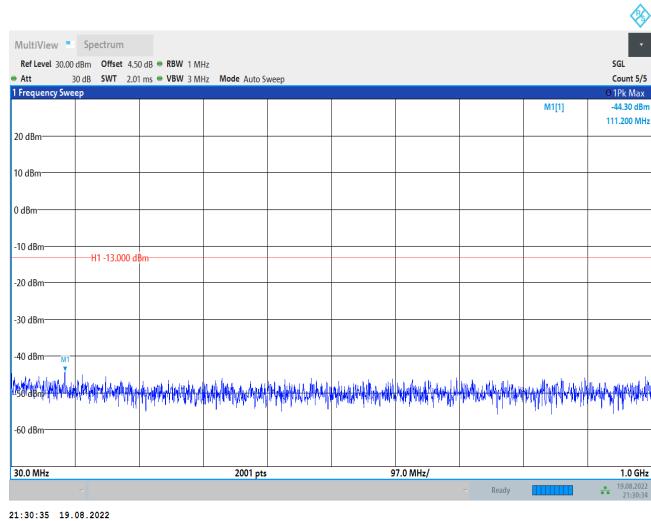
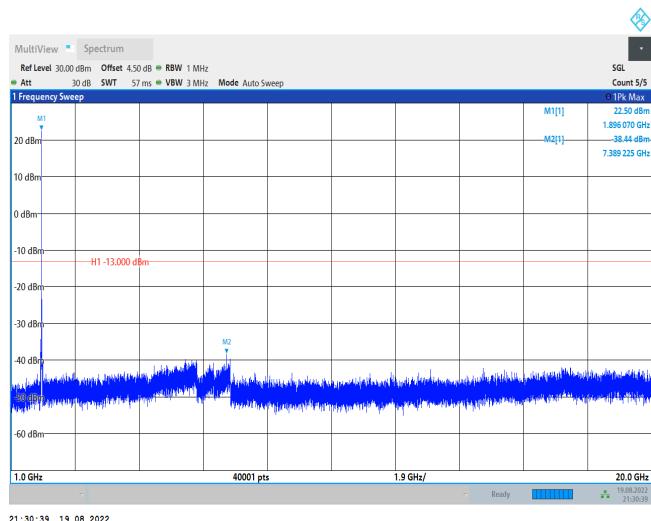
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Rev.: 01  
Page: 64 of 68

**Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz****Band25-20MHz-QPSK-26590-1RB#0-Range4:1000~20000MHz**

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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 65 of 68

## Field Strength of Spurious Radiation

Test Band = LTE Band25\_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	58.10	-45.51	29.98	-52.69	-13.00	39.69	126	24	Horizontal
2	5553.2700	47.47	-45.15	32.97	-59.97	-13.00	46.97	231	162	Horizontal
3	7404.3600	45.95	-43.40	36.49	-56.22	-13.00	43.22	145	269	Horizontal
4	9255.4500	37.73	-40.23	38.38	-59.38	-13.00	46.38	199	162	Horizontal
5	11106.5400	32.02	-37.93	39.09	-62.08	-13.00	49.08	198	344	Horizontal
6	12957.6300	32.56	-37.24	39.79	-60.15	-13.00	47.15	175	285	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	56.15	-45.51	29.98	-54.64	-13.00	41.64	216	101	Vertical
2	5553.2700	47.52	-45.15	32.97	-59.92	-13.00	46.92	152	329	Vertical
3	7404.3600	44.69	-43.40	36.49	-57.48	-13.00	44.48	142	132	Vertical
4	9255.4500	37.58	-40.23	38.38	-59.53	-13.00	46.53	133	55	Vertical
5	11106.5400	32.55	-37.93	39.09	-61.55	-13.00	48.55	211	255	Vertical
6	12957.6300	32.77	-37.24	39.79	-59.94	-13.00	46.94	163	1	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	57.04	-45.68	30.12	-53.78	-13.00	40.78	216	14	Horizontal
2	5613.2700	48.19	-45.04	33.07	-59.04	-13.00	46.04	145	194	Horizontal
3	7484.3600	44.34	-43.18	36.45	-57.65	-13.00	44.65	185	270	Horizontal
4	9355.4500	38.58	-40.00	38.46	-58.23	-13.00	45.23	175	317	Horizontal
5	11226.5400	34.77	-37.40	39.11	-58.78	-13.00	45.78	199	103	Horizontal
6	13097.6300	30.90	-37.01	39.87	-61.49	-13.00	48.49	142	286	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	52.81	-45.68	30.12	-58.01	-13.00	45.01	211	85	Vertical
2	5613.2700	48.12	-45.04	33.07	-59.11	-13.00	46.11	165	178	Vertical
3	7484.3600	43.87	-43.18	36.45	-58.12	-13.00	45.12	148	330	Vertical
4	9355.4500	38.84	-40.00	38.46	-57.97	-13.00	44.97	199	56	Vertical
5	11226.5400	35.15	-37.40	39.11	-58.40	-13.00	45.40	165	147	Vertical
6	13097.6300	31.52	-37.01	39.87	-60.87	-13.00	47.87	147	238	Vertical

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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 67 of 68

**Test Band = LTE Band25\_ TM1**

**Test Channel = High**

Final Data List										
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3792.1800	54.38	-45.89	30.30	-56.47	-13.00	43.47	213	194	Horizontal
2	5688.2700	47.06	-44.87	33.34	-59.73	-13.00	46.73	265	254	Horizontal
3	7584.3600	44.70	-42.96	36.40	-57.12	-13.00	44.12	145	0	Horizontal
4	9480.4500	40.82	-40.15	38.47	-56.12	-13.00	43.12	185	86	Horizontal
5	11376.5400	34.47	-37.38	39.11	-59.06	-13.00	46.06	145	222	Horizontal
6	13272.6300	30.84	-36.97	40.00	-61.38	-13.00	48.38	196	40	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3792.1800	51.73	-45.89	30.30	-59.12	-13.00	46.12	213	71	Vertical
2	5688.2700	48.91	-44.87	33.34	-57.88	-13.00	44.88	162	40	Vertical
3	7584.3600	45.02	-42.96	36.40	-56.80	-13.00	43.80	142	13	Vertical
4	9480.4500	40.30	-40.15	38.47	-56.64	-13.00	43.64	165	344	Vertical
5	11376.5400	33.75	-37.38	39.11	-59.78	-13.00	46.78	182	299	Vertical
6	13272.6300	31.91	-36.97	40.00	-60.31	-13.00	47.31	175	13	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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Report No.: SEWM2208000146RG04  
Rev.: 01  
Page: 68 of 68

## 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	-11.60	-0.006162	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-24.00	-0.012749	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	2.40	0.001275	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-12.20	-0.006481	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	0.00	0.000000	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-10.70	-0.005684	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-2.80	-0.001487	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-11.00	-0.005843	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-7.80	-0.004143	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-2.60	-0.001381	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-0.80	-0.000425	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-13.00	-0.006906	PASS

---End of Attachment---

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