

Appendix B

E-UTRA Band 25



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	23.58	24.58	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.55	24.55	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.67	24.67	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	23.74	24.74	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	23.61	24.61	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	23.70	24.7	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.68	23.68	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.60	24.6	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.42	24.42	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.48	24.48	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	23.46	24.46	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	23.68	24.68	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	23.62	24.62	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.46	23.46	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.24	24.24	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.17	24.17	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.24	24.24	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	23.20	24.2	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	23.40	24.4	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	23.48	24.48	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.37	23.37	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.48	23.48	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.18	23.18	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.23	23.23	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	22.79	23.79	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	22.93	23.93	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	22.81	23.81	33.00	PASS

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Band25	1.4MHz	16QAM	26047	6RB#0	21.77	22.77	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.96	22.96	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.02	23.02	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.28	23.28	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	22.27	23.27	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#1	22.81	23.81	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	22.80	23.8	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.63	22.63	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.75	23.75	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.84	22.84	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.79	22.79	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	22.43	23.43	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#1	22.45	23.45	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	22.53	23.53	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.29	22.29	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.58	24.58	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.69	24.69	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.69	24.69	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	22.64	23.64	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#4	22.68	23.68	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	22.73	23.73	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.76	23.76	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.31	24.31	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.57	24.57	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.56	24.56	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	22.58	23.58	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	22.51	23.51	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#4	22.54	23.54	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.50	23.5	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.21	24.21	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.38	24.38	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.27	24.27	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#4	22.41	23.41	33.00	PASS

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Band25	3MHz	QPSK	26675	8RB#0	22.48	23.48	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	22.45	23.45	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.37	23.37	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.25	23.25	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.32	23.32	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.15	23.15	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	21.52	22.52	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	21.57	22.57	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#4	21.42	22.42	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.73	22.73	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.94	22.94	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.06	23.06	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.17	23.17	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#4	21.30	22.3	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	21.31	22.31	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	21.26	22.26	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.70	22.7	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.78	22.78	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.88	22.88	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.90	22.9	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	21.11	22.11	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	21.24	22.24	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#4	21.29	22.29	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.37	22.37	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.40	24.4	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.55	24.55	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.67	24.67	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	22.78	23.78	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	22.75	23.75	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	22.59	23.59	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.74	23.74	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.19	24.19	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.40	24.4	33.00	PASS

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Band25	5MHz	QPSK	26365	1RB#12	23.37	24.37	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	22.55	23.55	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	22.52	23.52	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	22.55	23.55	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.51	23.51	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.17	24.17	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.38	24.38	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.27	24.27	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	22.36	23.36	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	22.44	23.44	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	22.39	23.39	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.39	23.39	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.15	23.15	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.36	23.36	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.12	23.12	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	21.34	22.34	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#0	21.68	22.68	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	21.51	22.51	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.52	22.52	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.11	23.11	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.13	23.13	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.09	23.09	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	21.29	22.29	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	21.49	22.49	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	21.60	22.6	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.60	22.6	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.82	22.82	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.96	22.96	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.23	23.23	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	21.10	22.1	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	21.17	22.17	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	21.34	22.34	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.30	22.3	33.00	PASS

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Band25	10MHz	QPSK	26090	1RB#0	23.73	24.73	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	24.21	25.21	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.20	24.2	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#12	22.84	23.84	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	22.93	23.93	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	22.59	23.59	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.72	23.72	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.89	23.89	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.45	24.45	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.80	24.8	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	22.77	23.77	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#12	22.70	23.7	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	22.43	23.43	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.60	23.6	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.76	24.76	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.95	23.95	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.25	24.25	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	22.62	23.62	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	22.31	23.31	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#12	22.44	23.44	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.37	23.37	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.44	23.44	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.21	23.21	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.27	23.27	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	21.87	22.87	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#12	21.64	22.64	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	21.68	22.68	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.63	22.63	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.97	22.97	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.01	23.01	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.37	23.37	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	21.41	22.41	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#12	21.69	22.69	33.00	PASS

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Band25	10MHz	16QAM	26365	25RB#0	21.56	22.56	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.60	22.6	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	21.90	22.9	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.28	23.28	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.95	22.95	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	21.39	22.39	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#12	21.34	22.34	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	21.44	22.44	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.38	22.38	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.13	24.13	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.74	24.74	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	24.11	25.11	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	22.43	23.43	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	22.93	23.93	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	22.86	23.86	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.62	23.62	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.51	23.51	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	24.07	25.07	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.24	24.24	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	22.84	23.84	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	22.38	23.38	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#18	22.73	23.73	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.60	23.6	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.83	23.83	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.75	24.75	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.18	24.18	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	22.56	23.56	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	22.81	23.81	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	22.32	23.32	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.55	23.55	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.31	23.31	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.20	23.2	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.18	23.18	33.00	PASS

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Band25	15MHz	16QAM	26115	36RB#0	21.59	22.59	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	21.51	22.51	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	21.54	22.54	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.51	22.51	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.27	23.27	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.98	22.98	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.39	23.39	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	21.43	22.43	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	21.58	22.58	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	21.46	22.46	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.50	22.5	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.95	22.95	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.96	22.96	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.97	22.97	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	21.56	22.56	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	21.40	22.4	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	21.44	22.44	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.35	22.35	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.11	24.11	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	24.32	25.32	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.68	24.68	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	22.83	23.83	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	23.01	24.01	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.46	23.46	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.66	23.66	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.63	23.63	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.08	24.08	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	24.21	25.21	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	22.73	23.73	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	22.93	23.93	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#50	22.41	23.41	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.45	23.45	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.06	24.06	33.00	PASS

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Band25	20MHz	QPSK	26590	1RB#49	24.11	25.11	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.74	23.74	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	22.75	23.75	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	22.59	23.59	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	22.21	23.21	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.55	23.55	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.36	23.36	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.28	23.28	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.10	23.1	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	21.59	22.59	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	21.79	22.79	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	21.63	22.63	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.56	22.56	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.45	23.45	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.12	23.12	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.09	23.09	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	21.65	22.65	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	21.44	22.44	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	21.64	22.64	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.44	22.44	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.03	23.03	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.38	23.38	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.07	23.07	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	21.48	22.48	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	21.48	22.48	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	21.31	22.31	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.36	22.36	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2 5	20MHz	QPSK	26140	100RB#0	4.93	13	PASS
Band2 5	20MHz	QPSK	26365	100RB#0	4.90	13	PASS
Band2 5	20MHz	QPSK	26590	100RB#0	4.99	13	PASS
Band2 5	20MHz	16QAM	26140	100RB#0	5.86	13	PASS
Band2 5	20MHz	16QAM	26365	100RB#0	5.80	13	PASS
Band2 5	20MHz	16QAM	26590	100RB#0	5.88	13	PASS

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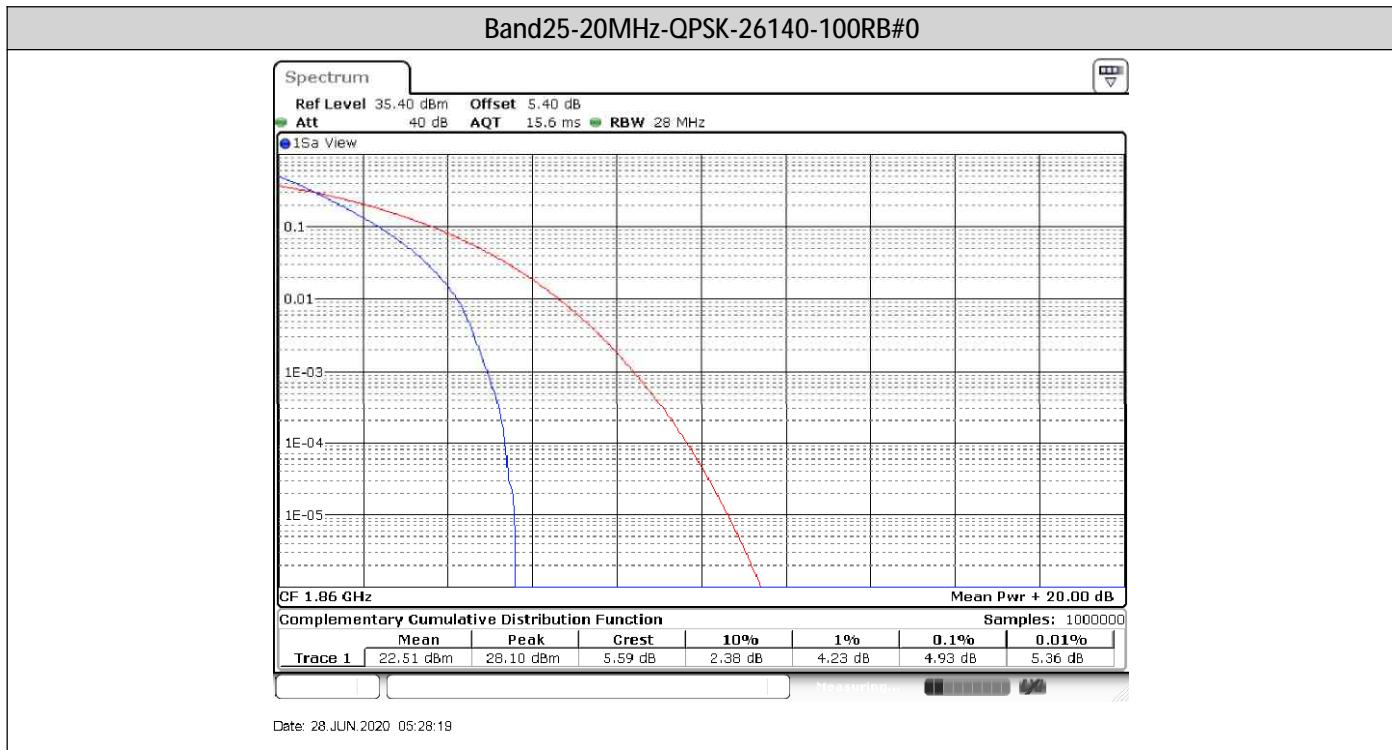
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2.2. Test Plots



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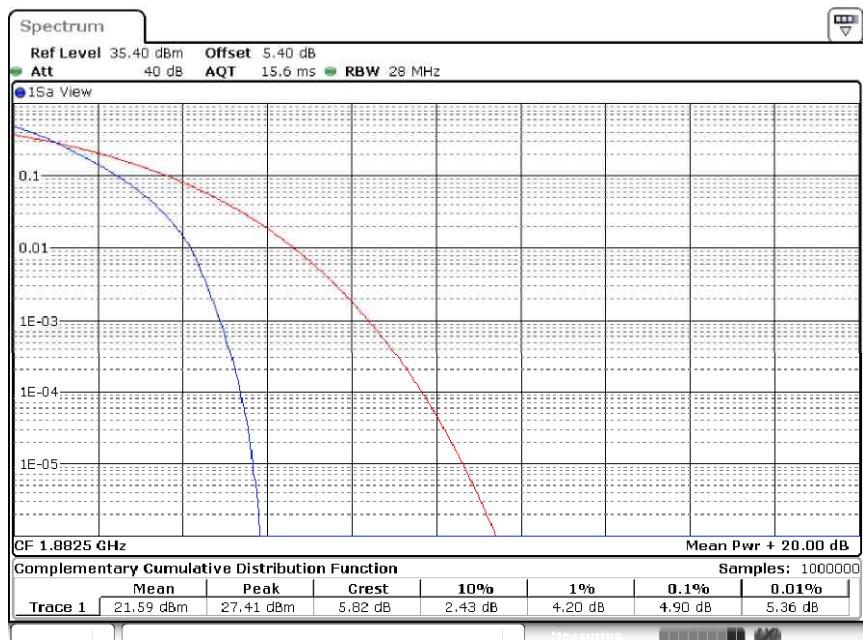
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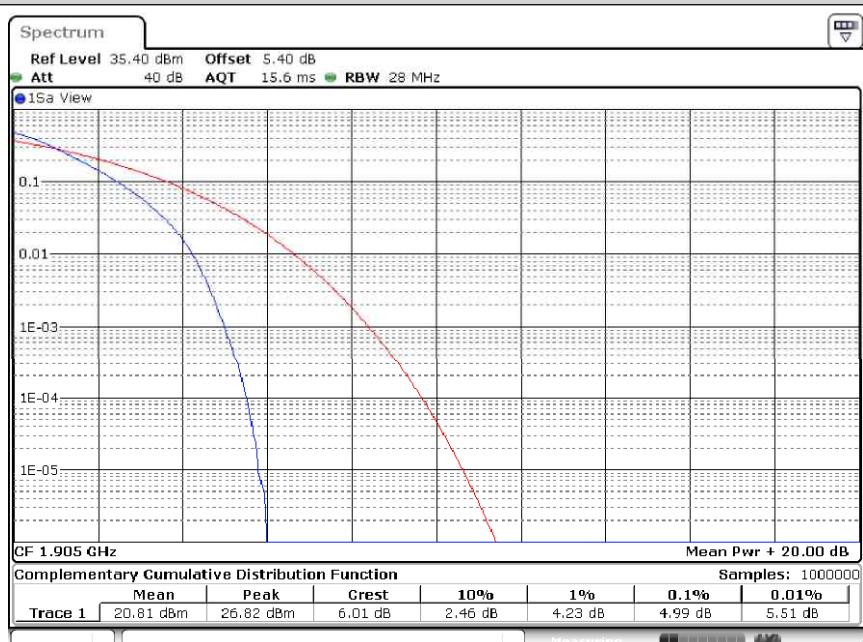
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Band25-20MHz-QPSK-26365-100RB#0



Date: 28.JUN.2020 05:28:41

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



Date: 28.JUN.2020 05:29:04

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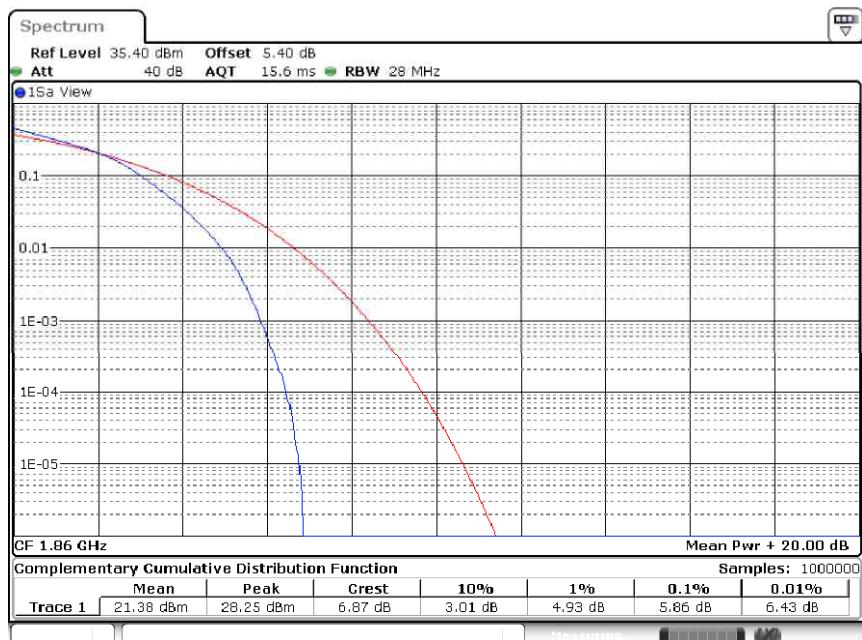
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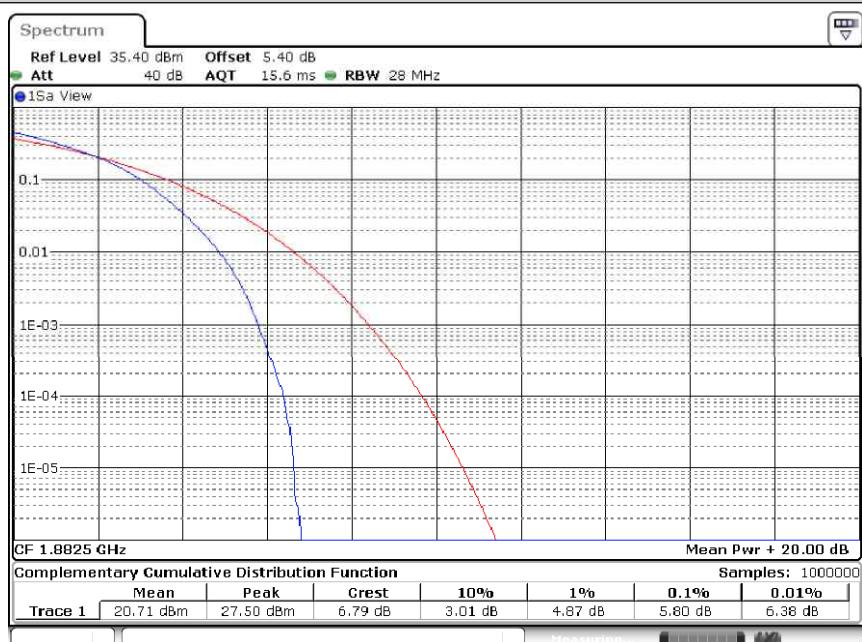
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Band25-20MHz-16QAM-26140-100RB#0



Date: 28.JUN.2020 05:28:30

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



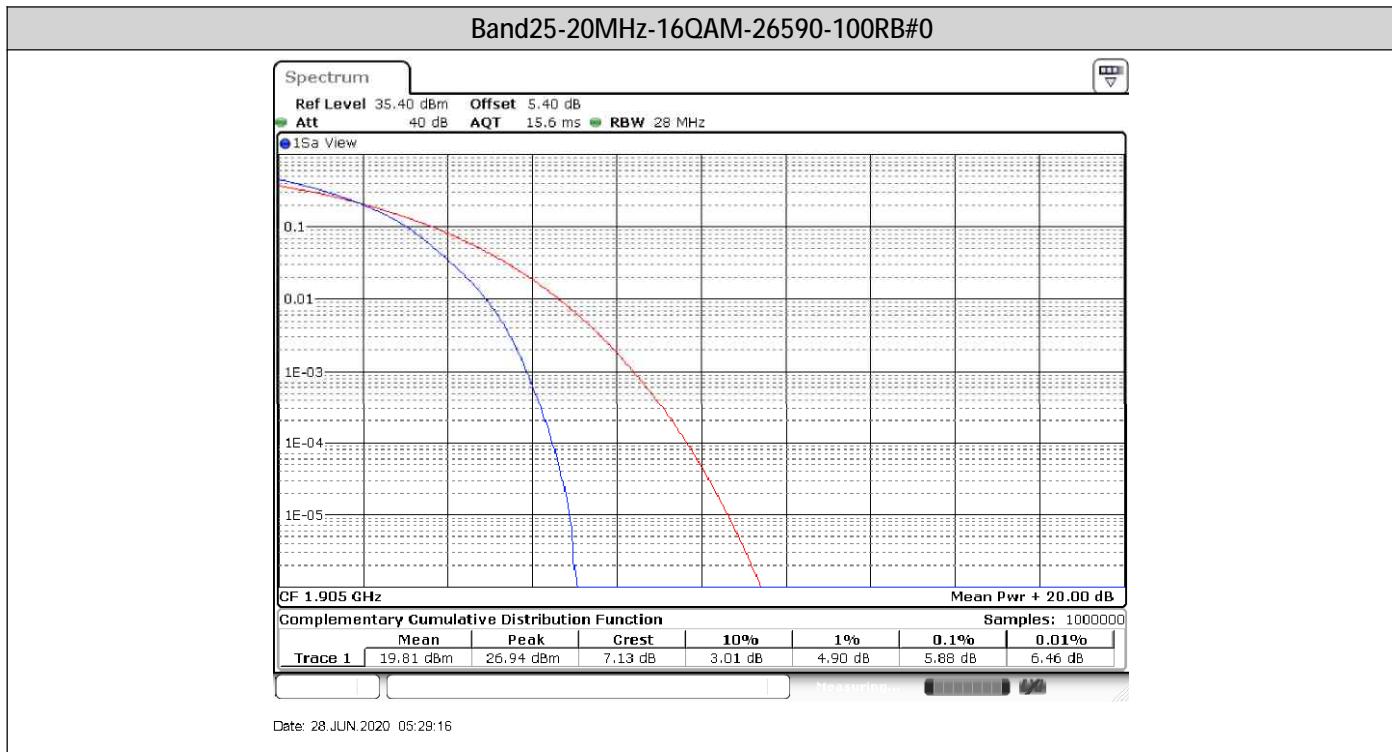
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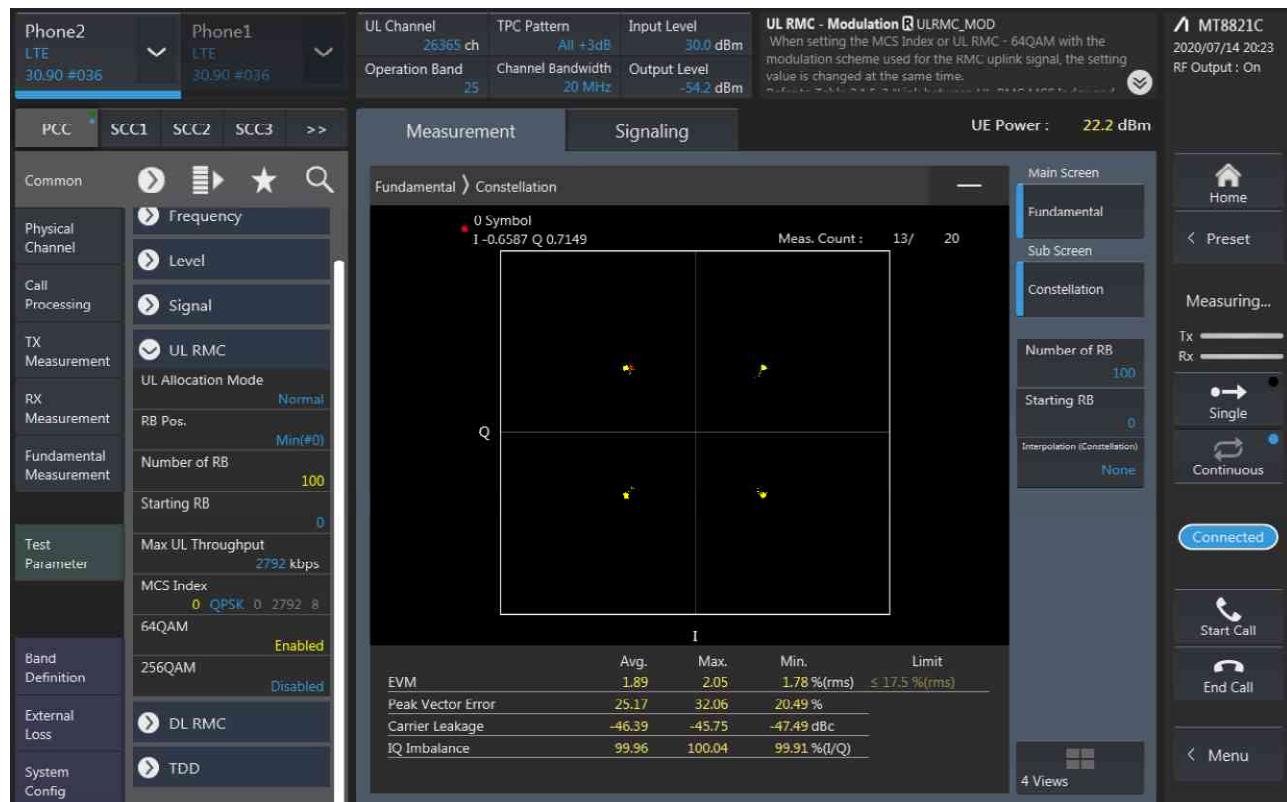


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

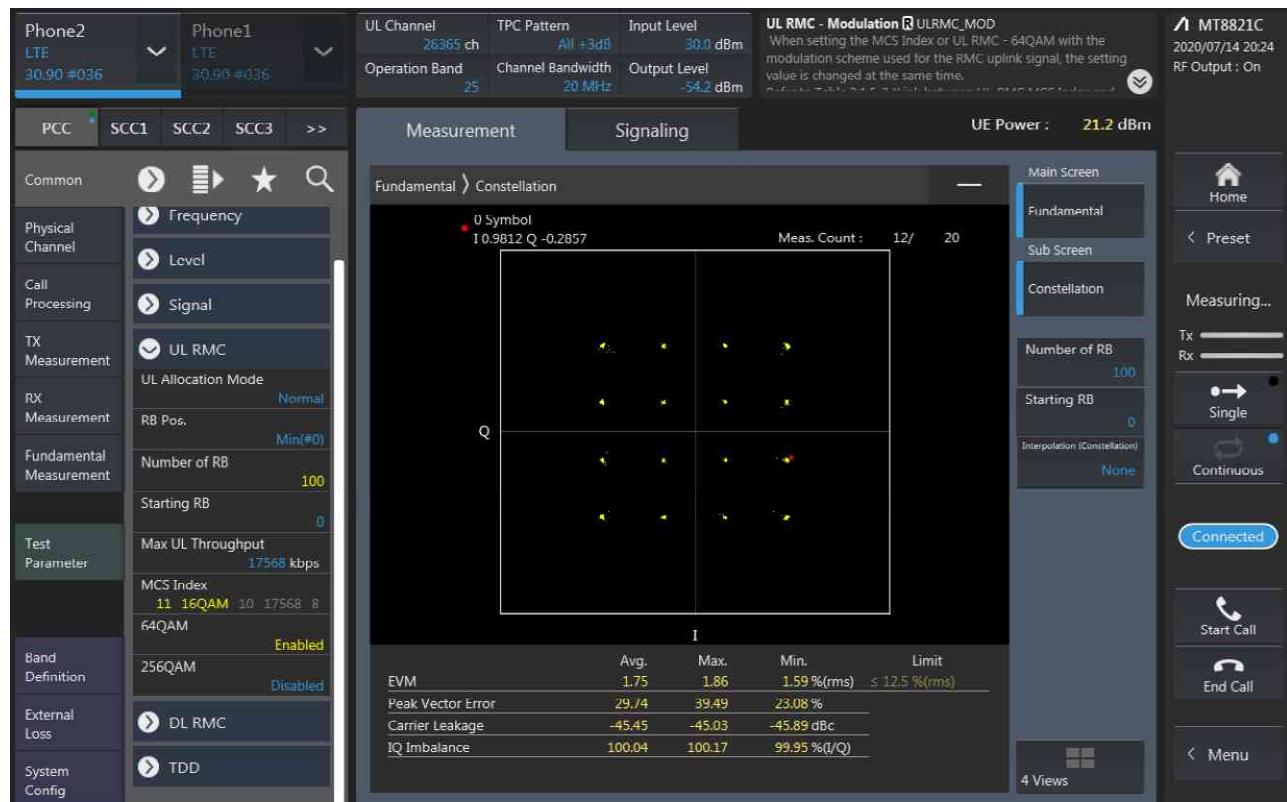


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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.094	1.290	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.091	1.284	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.091	1.296	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.091	1.284	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.091	1.281	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.091	1.281	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	3.006	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.697	3.000	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	3.000	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.685	2.976	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.685	2.970	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.466	4.930	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.476	4.930	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.466	4.910	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.496	4.950	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.496	4.960	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	4.960	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.911	9.740	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.911	9.680	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.931	9.740	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.911	9.720	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.911	9.740	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.911	9.720	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.427	14.760	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.397	14.730	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.457	14.730	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.427	14.760	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.397	14.640	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.457	14.730	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.862	19.440	PASS

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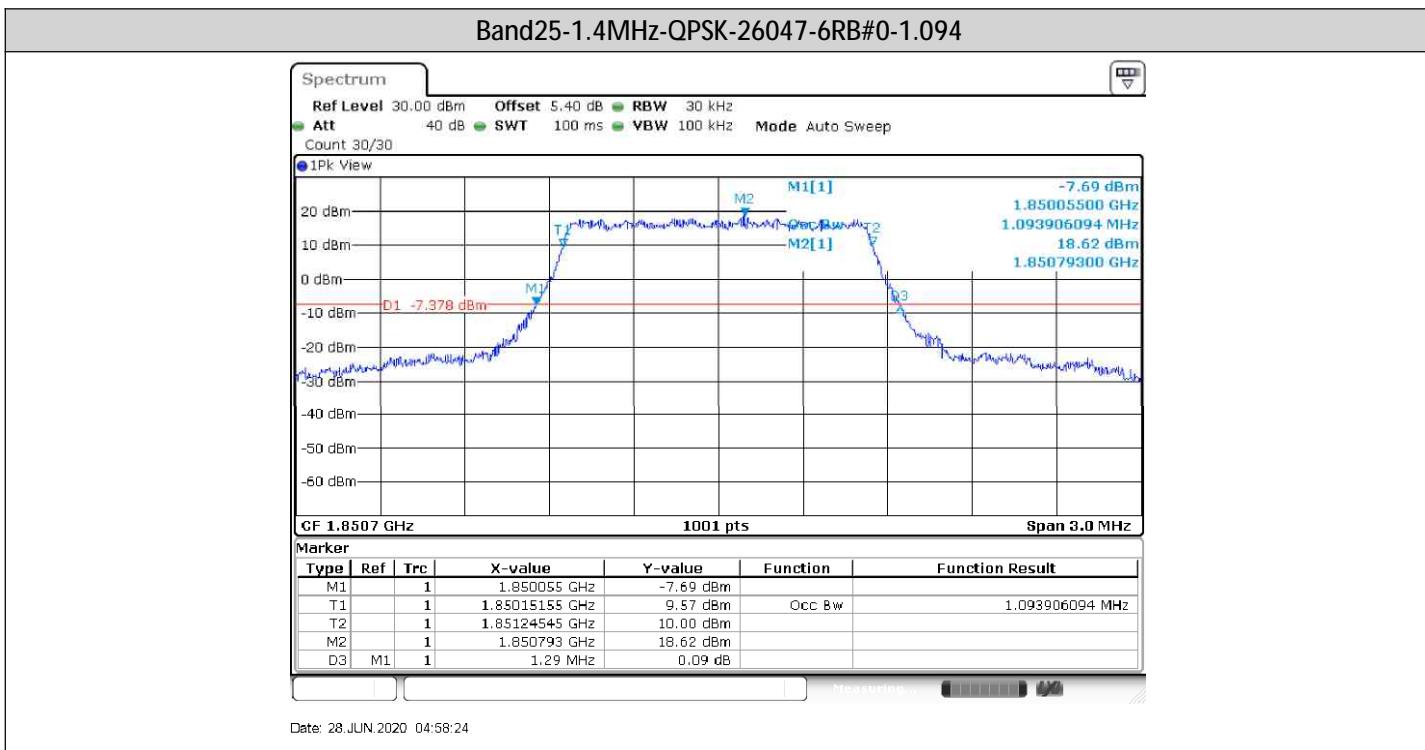
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Band25	20MHz	QPSK	26365	100RB#0	17.822	19.320	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.862	19.360	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.862	19.400	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.822	19.320	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.862	19.280	PASS

4.2. Test Plots



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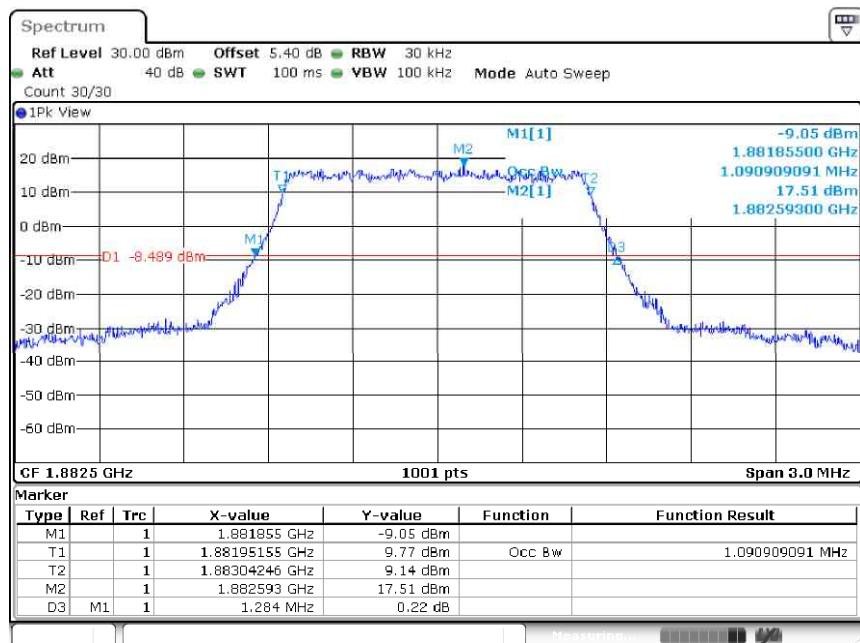
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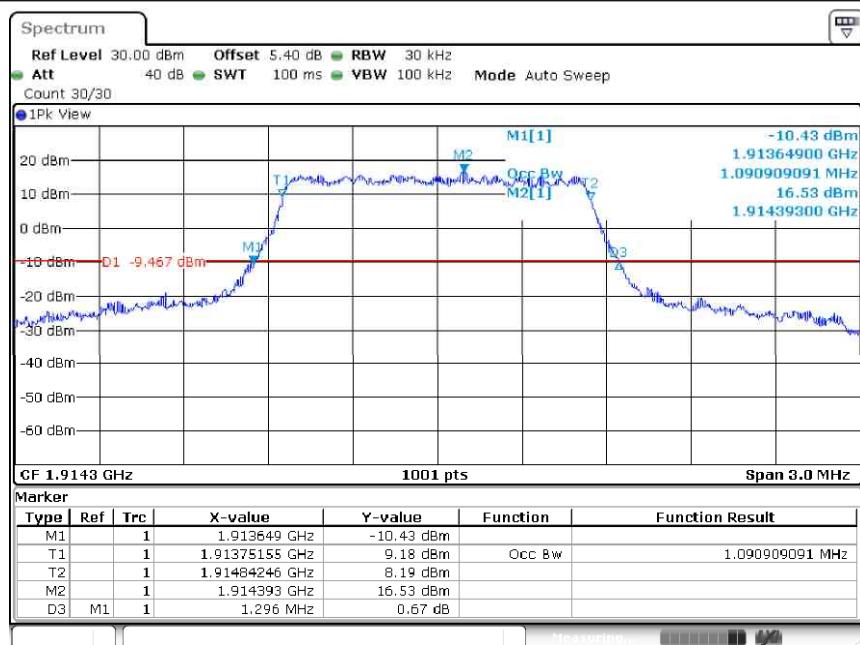
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Band25-1.4MHz-QPSK-26365-6RB#0-1.091



Date: 28.JUN.2020 04:58:50

Band25-1.4MHz-QPSK-26683-6RB#0-1.091



Date: 28.JUN.2020 04:59:16

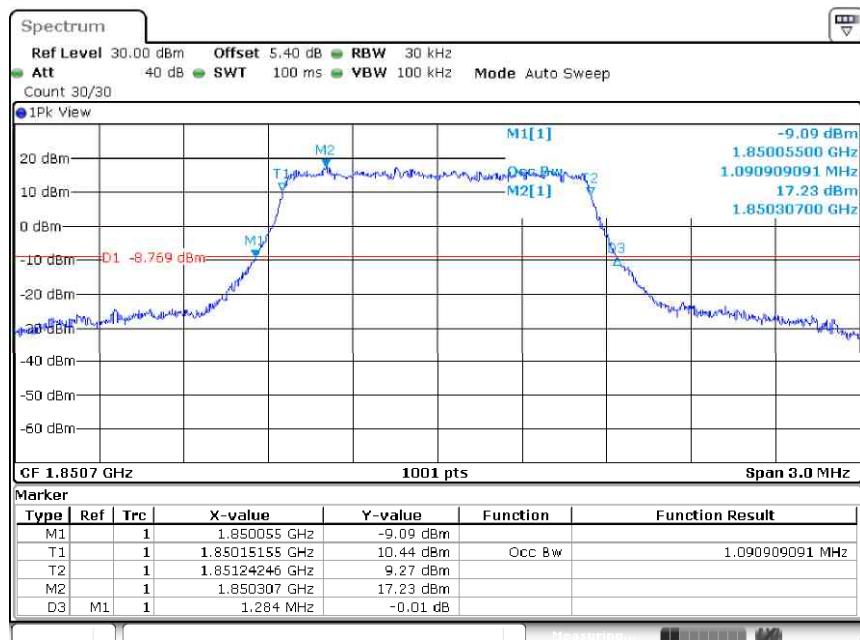
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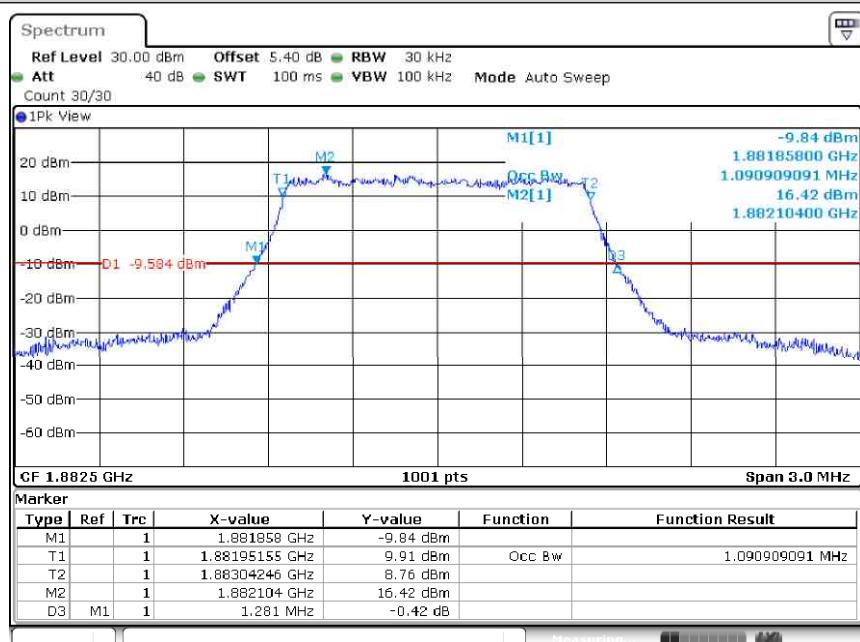
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Band25-1.4MHz-16QAM-26047-6RB#0-1.091



Date: 28.JUN.2020 04:58:37

Band25-1.4MHz-16QAM-26365-6RB#0-1.091



Date: 28.JUN.2020 04:59:03

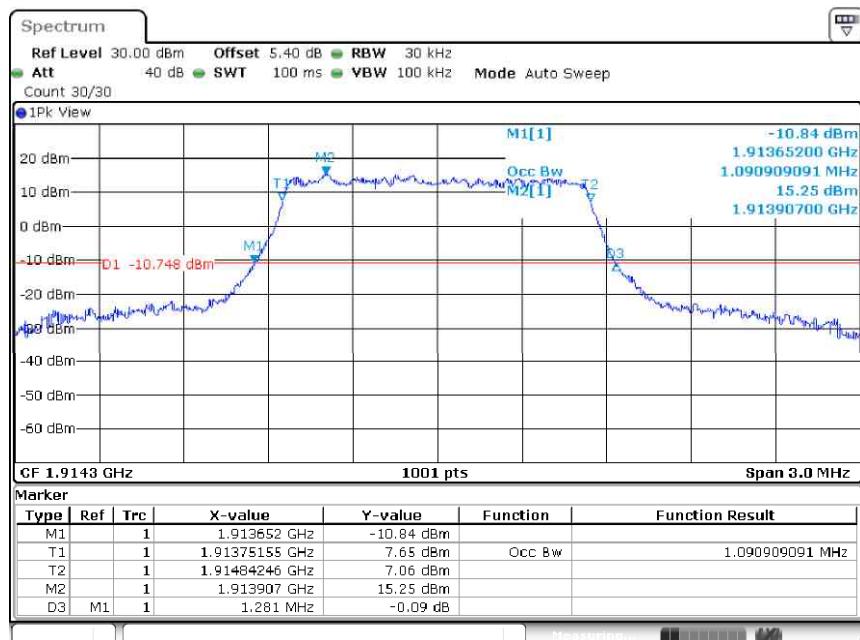
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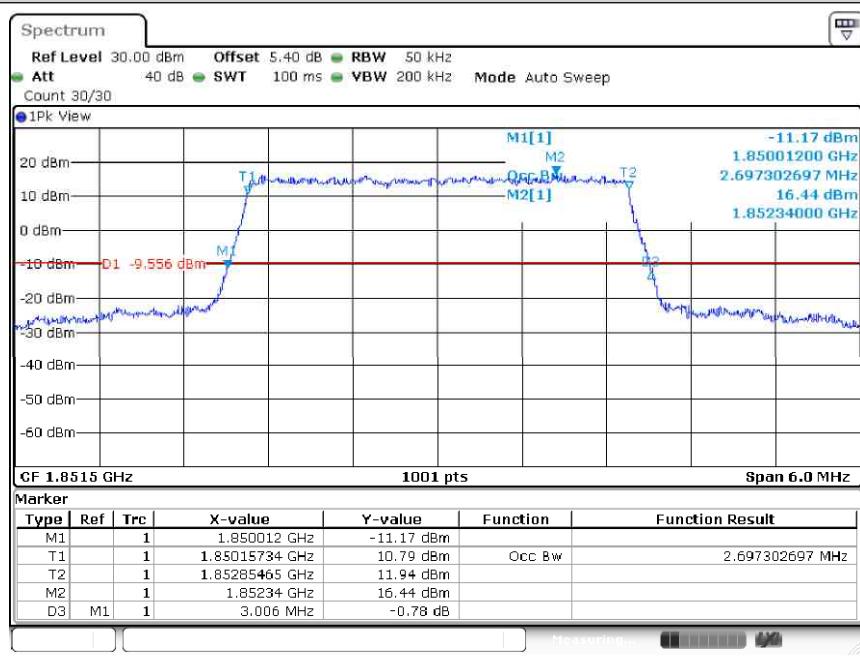


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Band25-1.4MHz-16QAM-26683-6RB#0-1.091



Band25-3MHz-QPSK-26055-15RB#0-2.697



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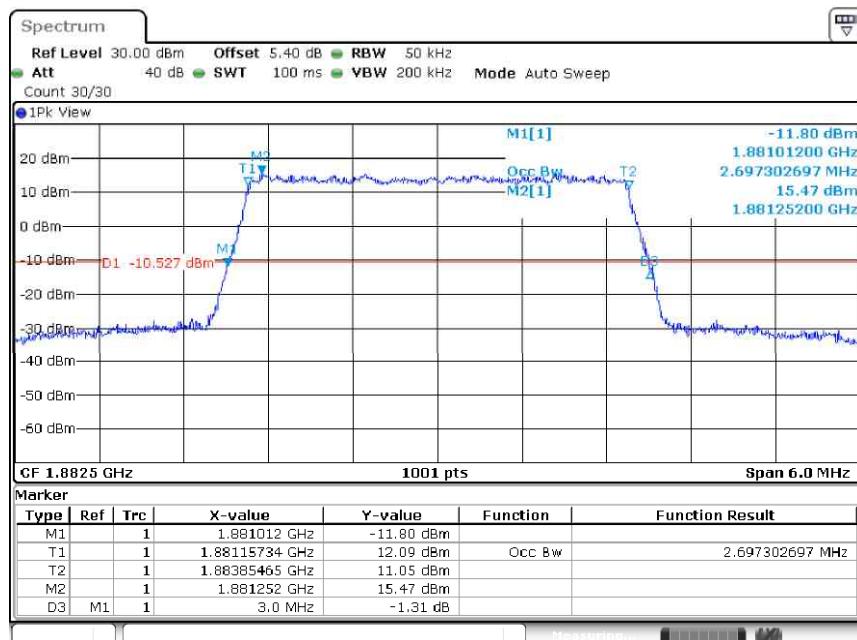
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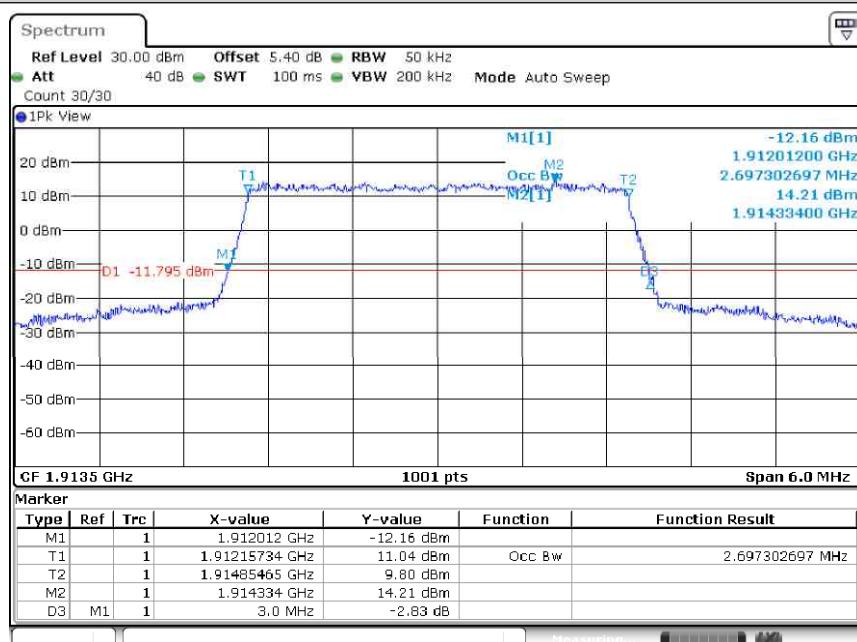


Band25-3MHz-QPSK-26365-15RB#0-2.697



Date: 28.JUN.2020 05:00:13

Band25-3MHz-QPSK-26675-15RB#0-2.697



Date: 28.JUN.2020 05:00:39

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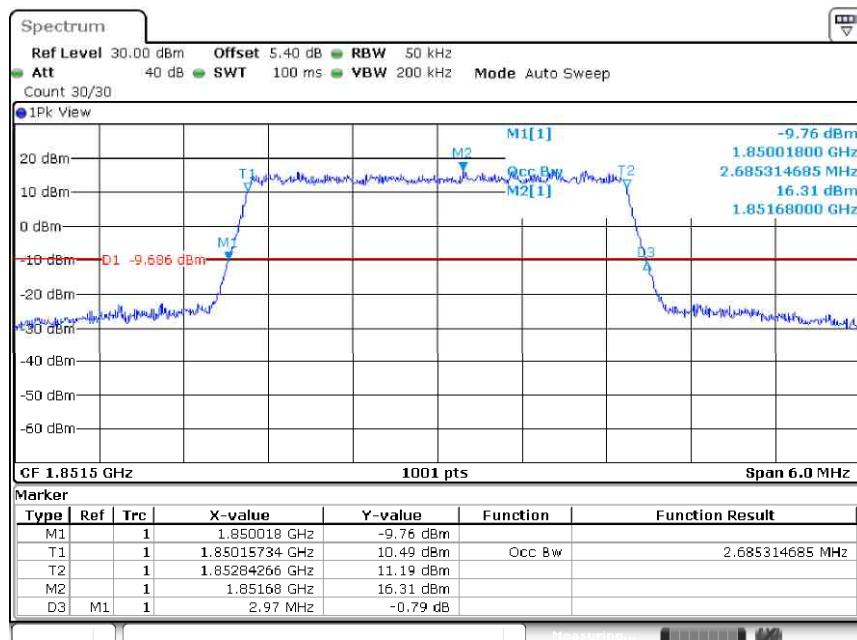
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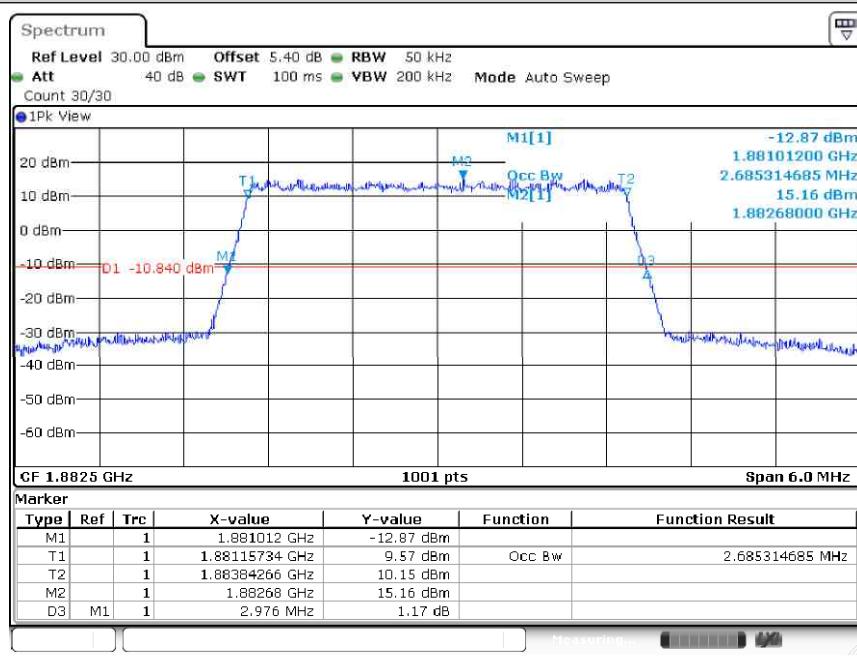
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Band25-3MHz-16QAM-26055-15RB#0-2.685



Band25-3MHz-16QAM-26365-15RB#0-2.685

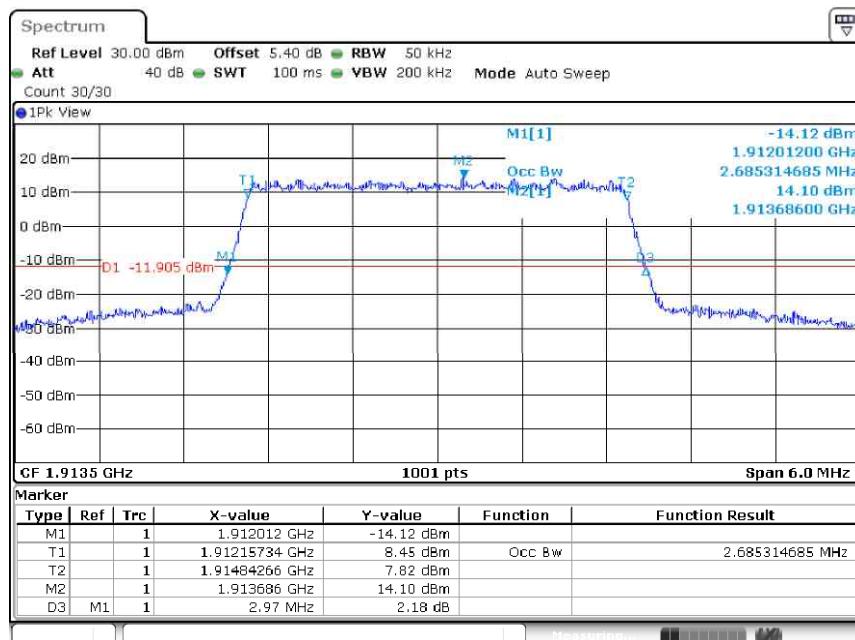


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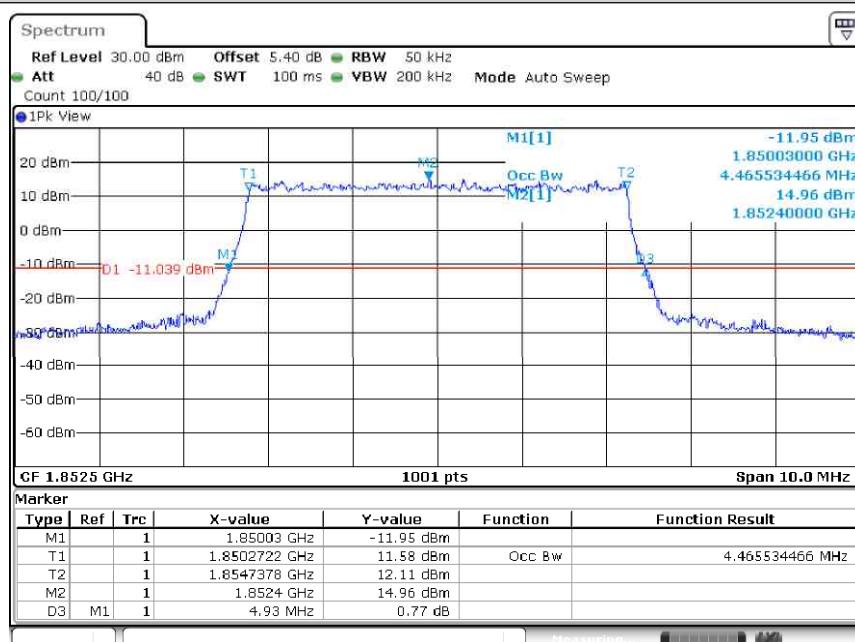


Band25-3MHz-16QAM-26675-15RB#0-2.685



Date: 28.JUN.2020 05:00:52

Band25-5MHz-QPSK-26065-25RB#0-4.466



Date: 28.JUN.2020 05:01:16

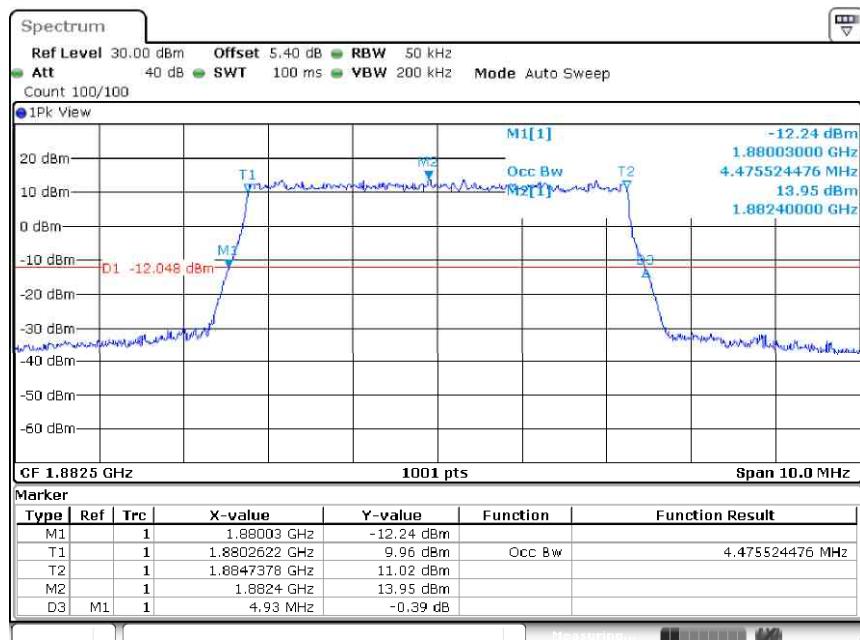
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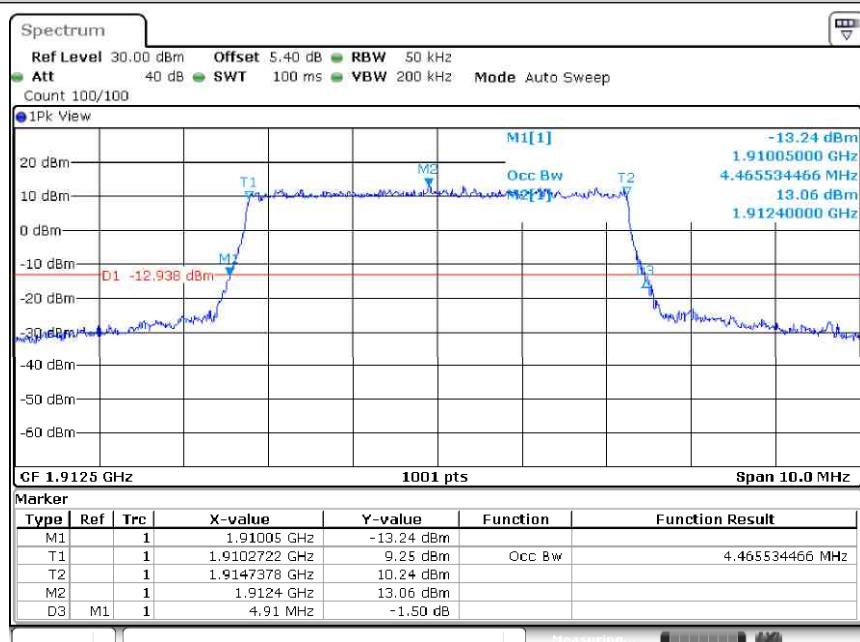
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Band25-5MHz-QPSK-26365-25RB#0-4.476



Date: 28.JUN.2020 05:01:56

Band25-5MHz-QPSK-26665-25RB#0-4.466



Date: 28.JUN.2020 05:02:36

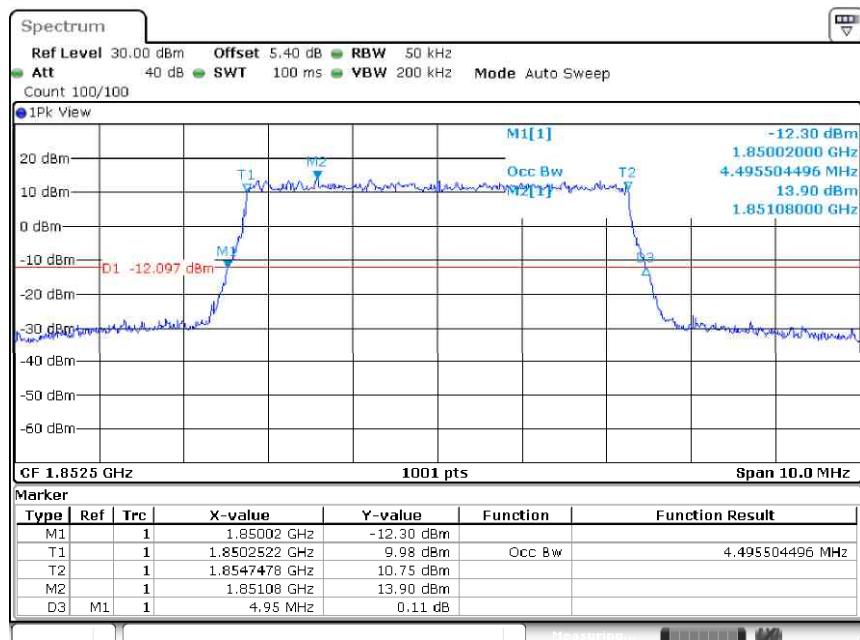
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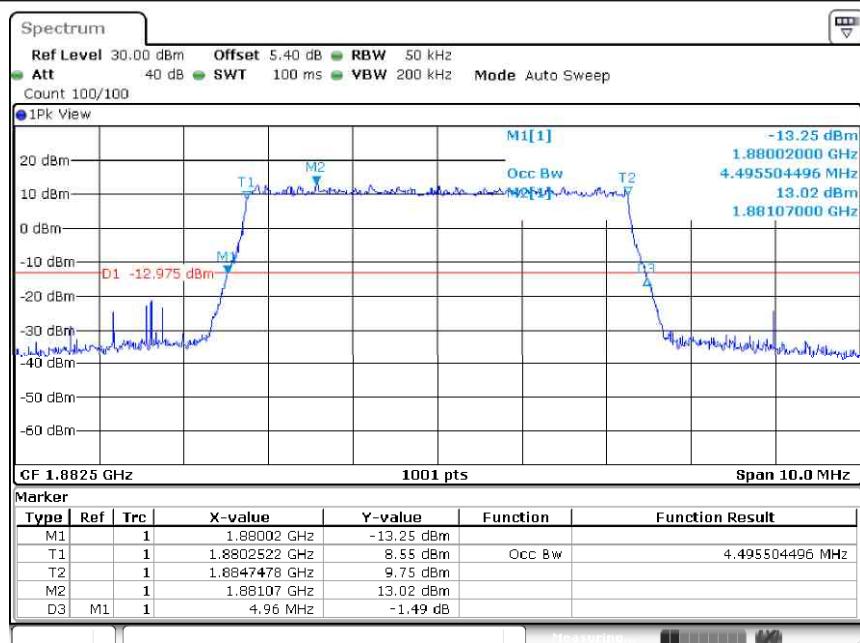
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Band25-5MHz-16QAM-26065-25RB#0-4.496



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Date: 28.JUN.2020 05:02:16

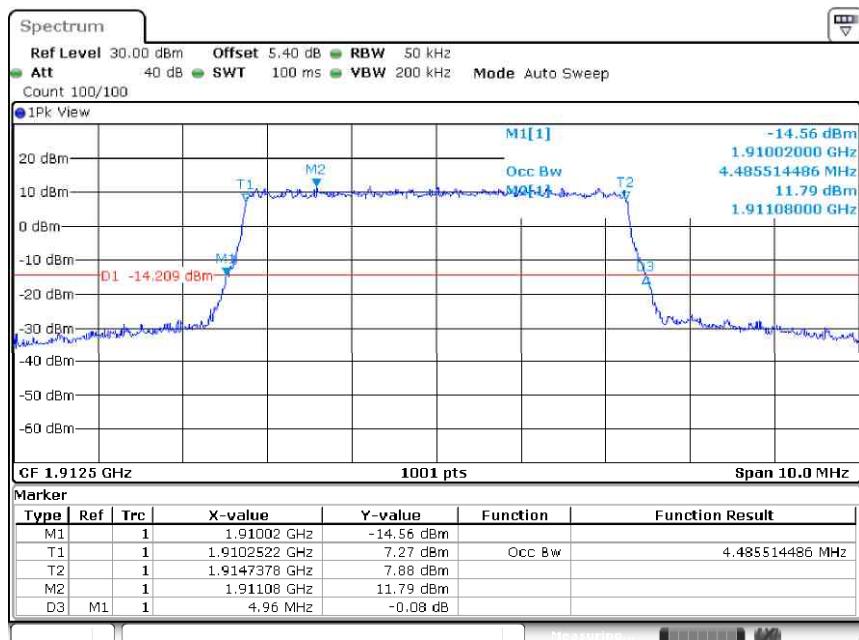
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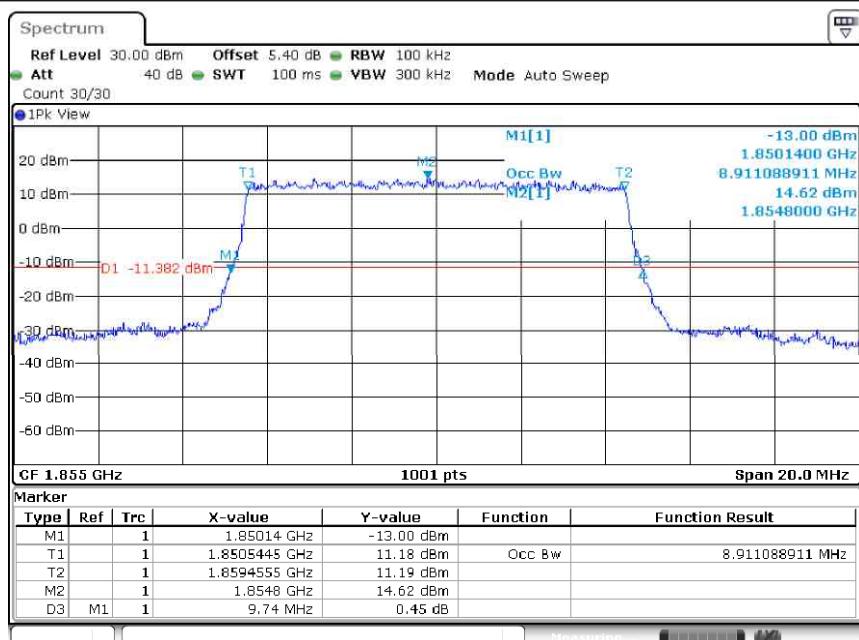
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Band25-5MHz-16QAM-26665-25RB#0-4.486



Date: 28.JUN.2020 05:02:55

Band25-10MHz-QPSK-26090-50RB#0-8.911



Date: 28-JUN-2020 05:03:13

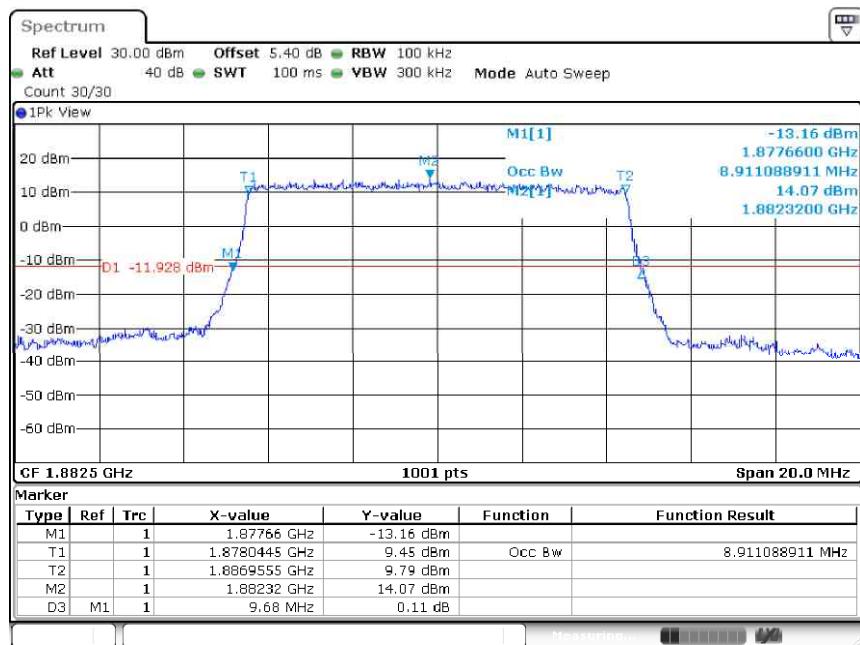
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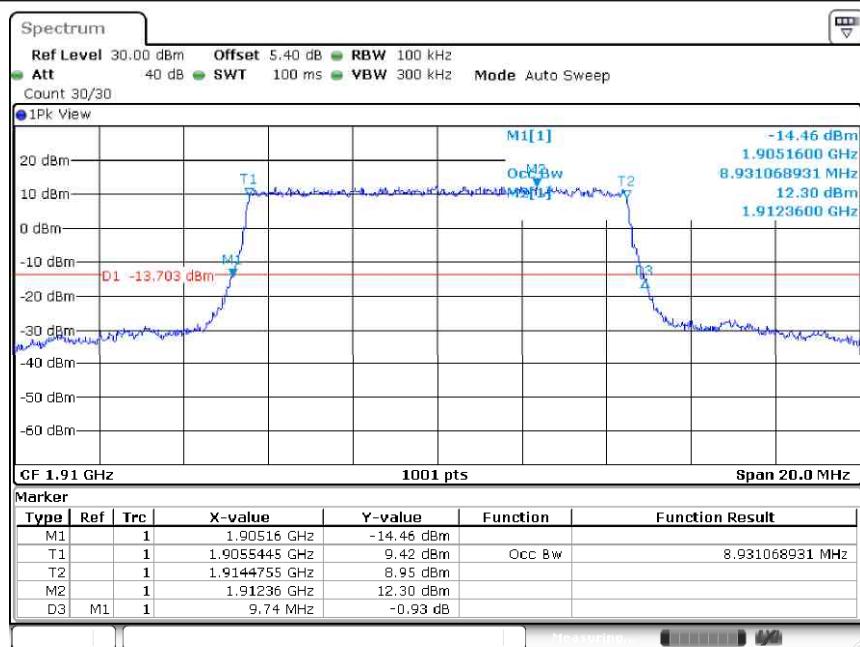
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Band25-10MHz-QPSK-26365-50RB#0-8.911



Date: 28.JUN.2020 05:03:39

Band25-10MHz-QPSK-26640-50RB#0-8.931



Date: 28.JUN.2020 05:04:04

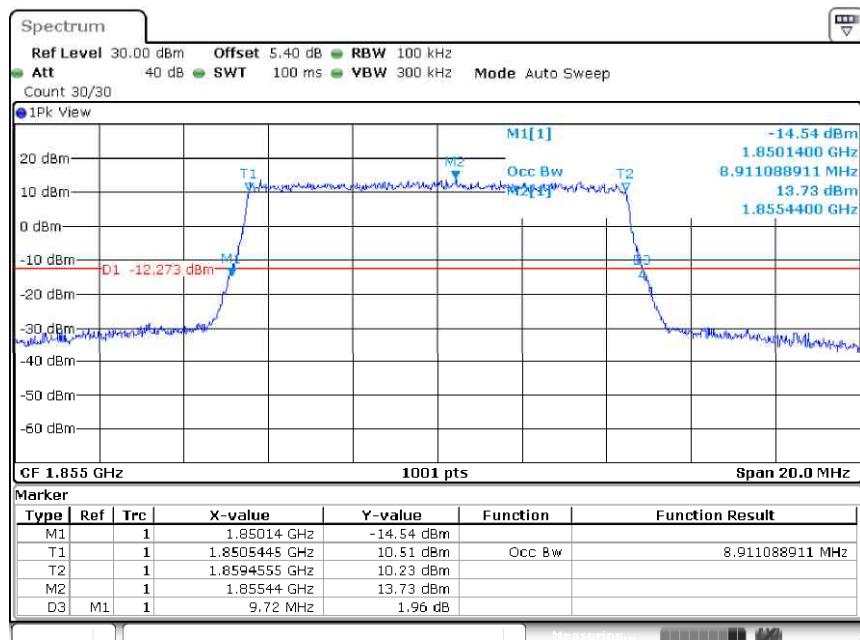
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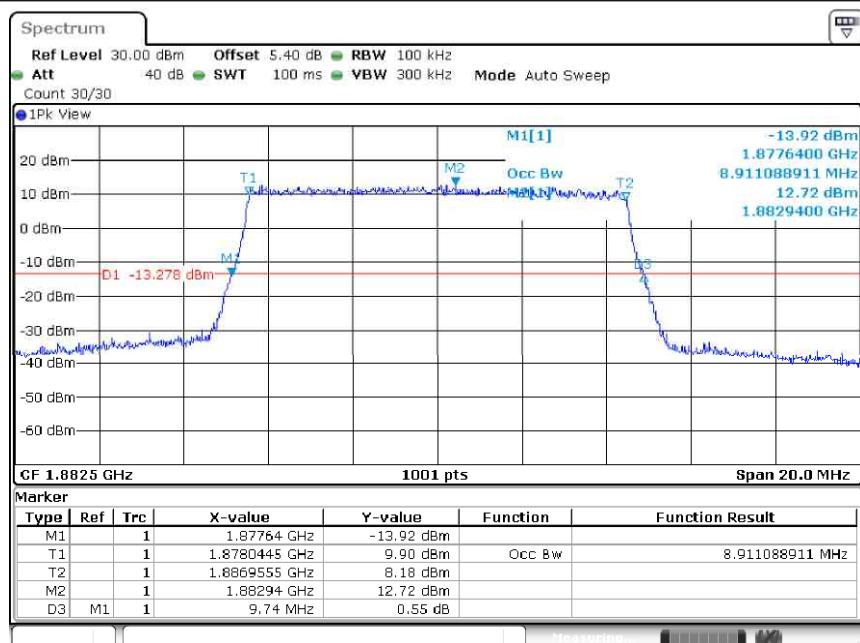
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Band25-10MHz-16QAM-26090-50RB#0-8.911



Date: 28.JUN.2020 05:03:26

Band25-10MHz-16QAM-26365-50RB#0-8.911



Date: 28.JUN.2020 05:03:51

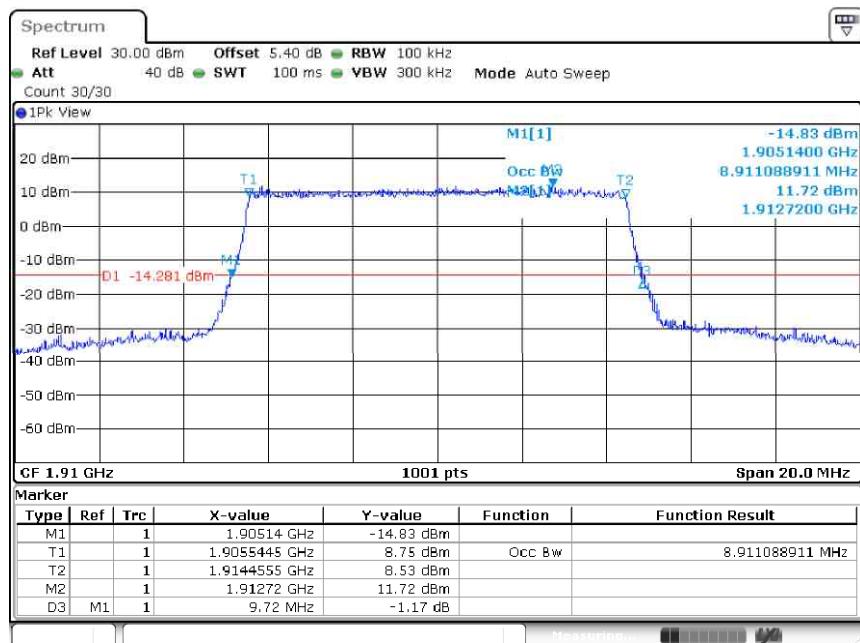
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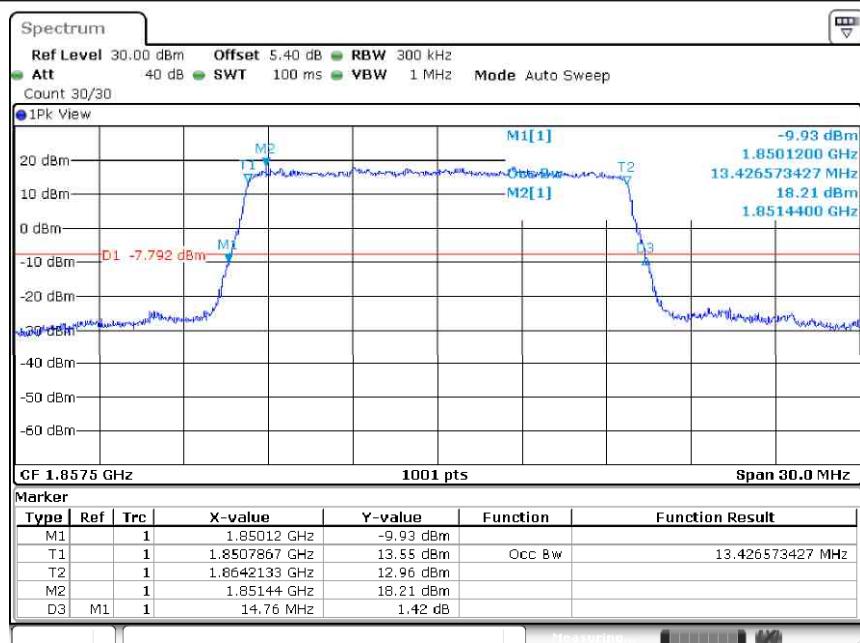
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Band25-10MHz-16QAM-26640-50RB#0-8.911



Date: 28.JUN.2020 05:04:17

Band25-15MHz-QPSK-26115-75RB#0-13.427



Date: 28.JUN.2020 05:04:35

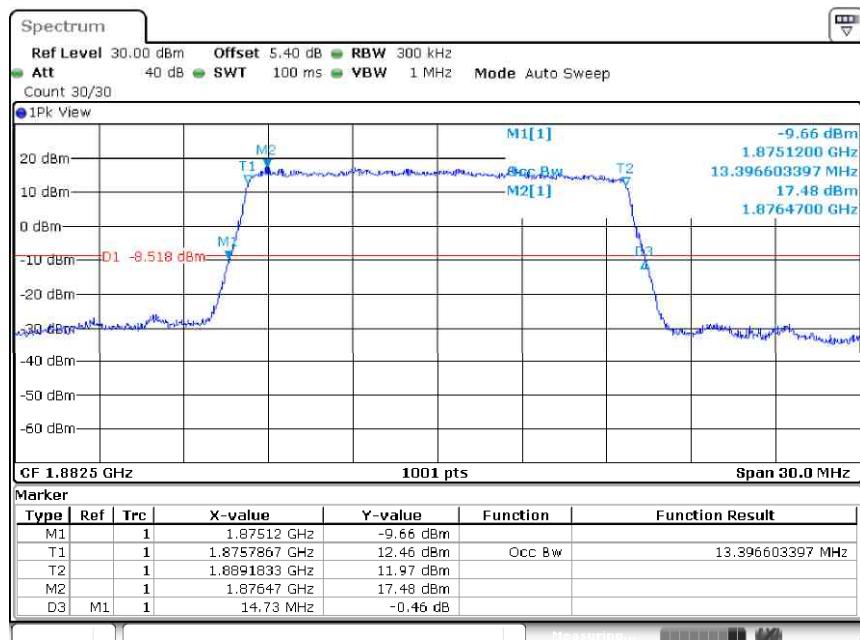
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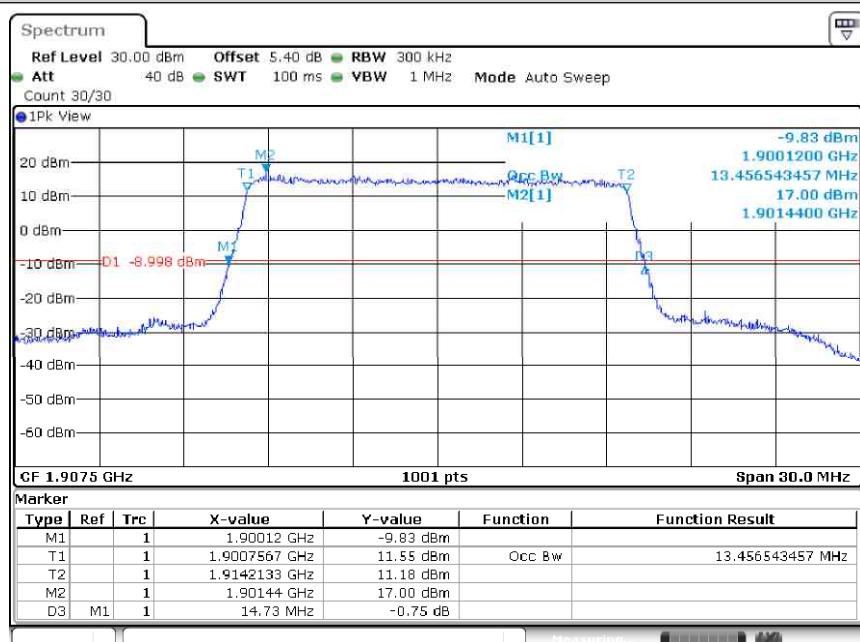
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Band25-15MHz-QPSK-26365-75RB#0-13.397



Date: 28.JUN.2020 05:05:00

Band25-15MHz-QPSK-26615-75RB#0-13.457



Date: 28.JUN.2020 05:05:26

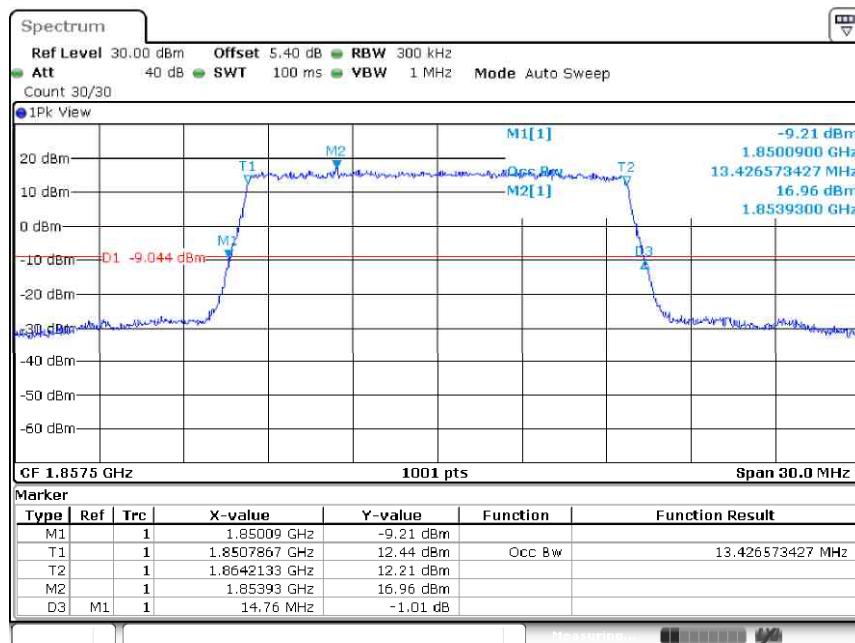
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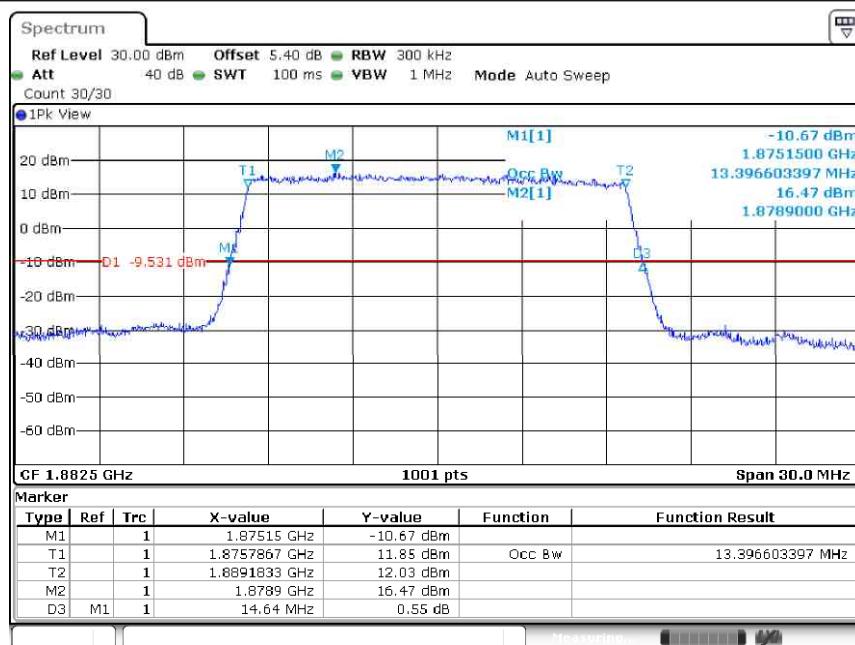
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Band25-15MHz-16QAM-26115-75RB#0-13.427



Date: 28.JUN.2020 05:04:47

Band25-15MHz-16QAM-26365-75RB#0-13.397



Date: 28.JUN.2020 05:05:13

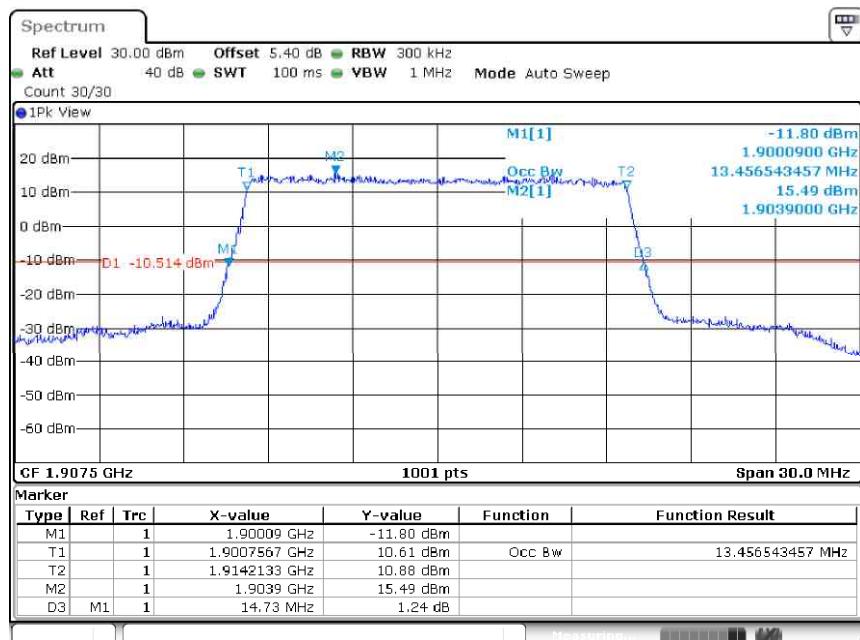
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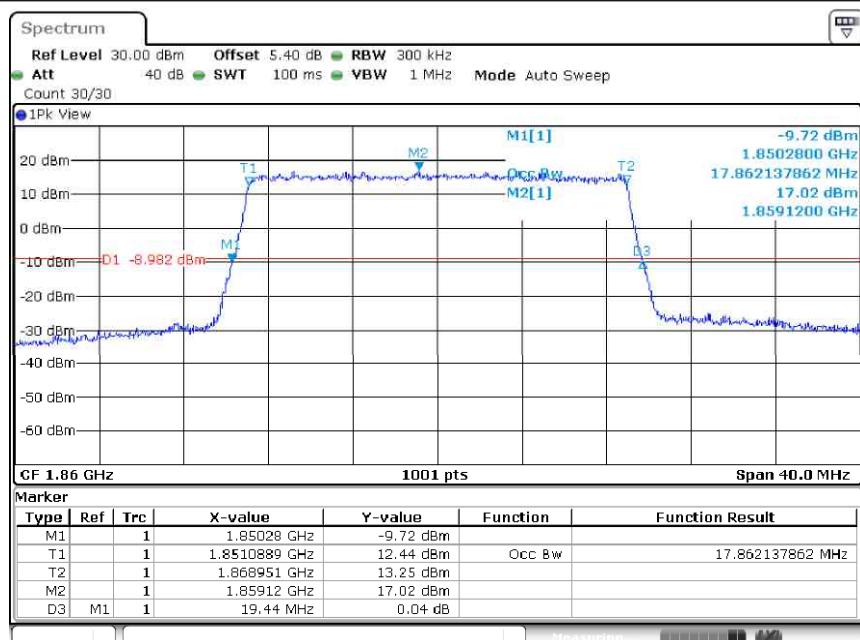
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Band25-15MHz-16QAM-26615-75RB#0-13.457



Date: 28.JUN.2020 05:05:39

Band25-20MHz-QPSK-26140-100RB#0-17.862



Date: 28.JUN.2020 05:05:56

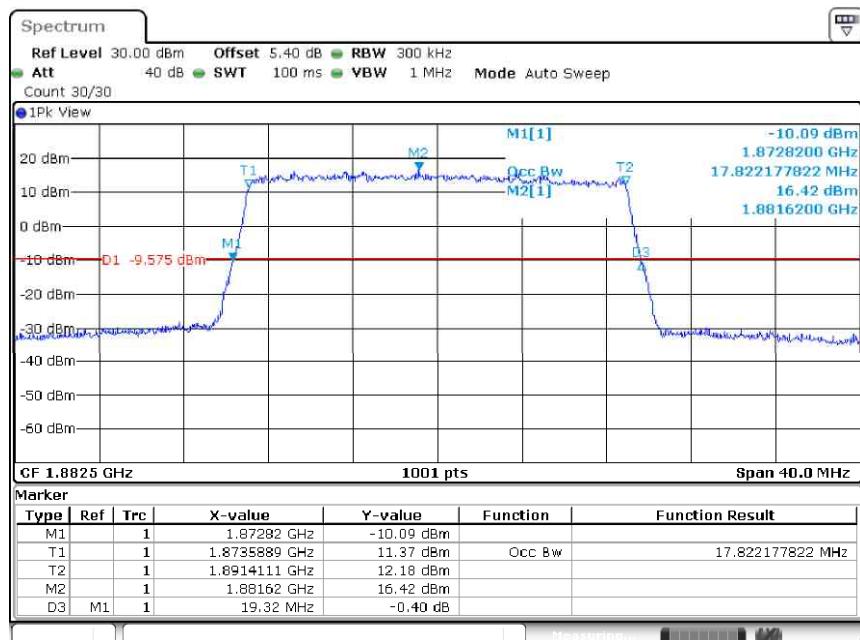
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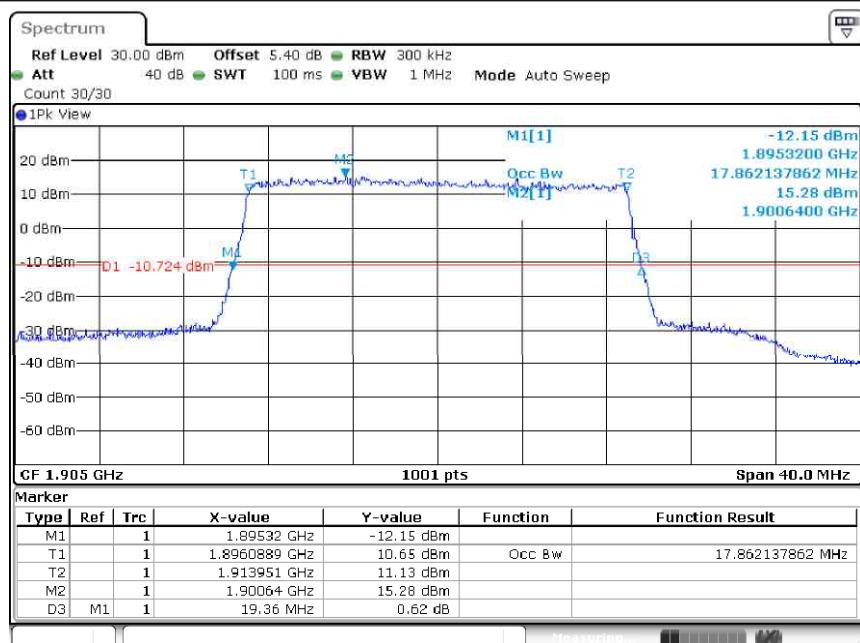
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Band25-20MHz-QPSK-26365-100RB#0-17.822



Date: 28.JUN.2020 05:06:22

Band25-20MHz-QPSK-26590-100RB#0-17.862



Date: 28.JUN.2020 05:06:48

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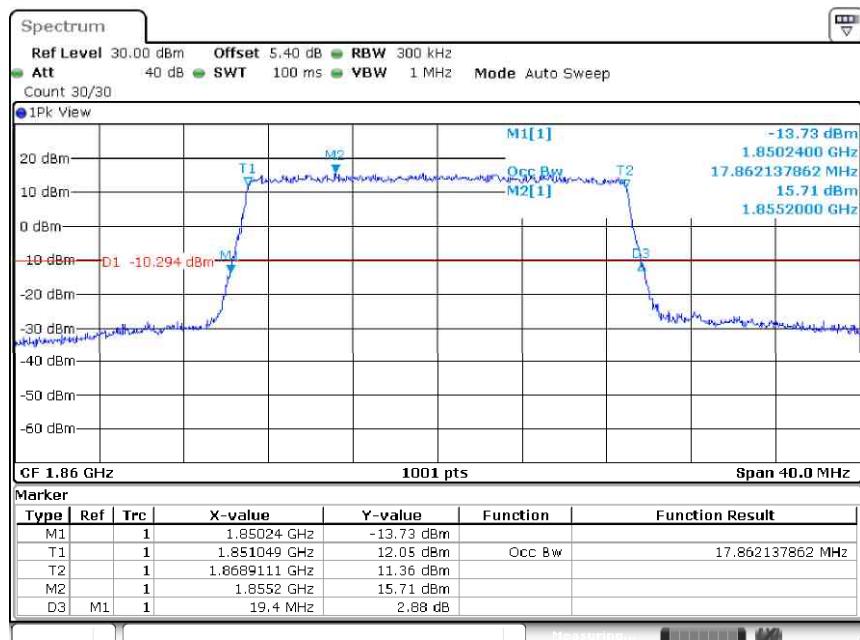
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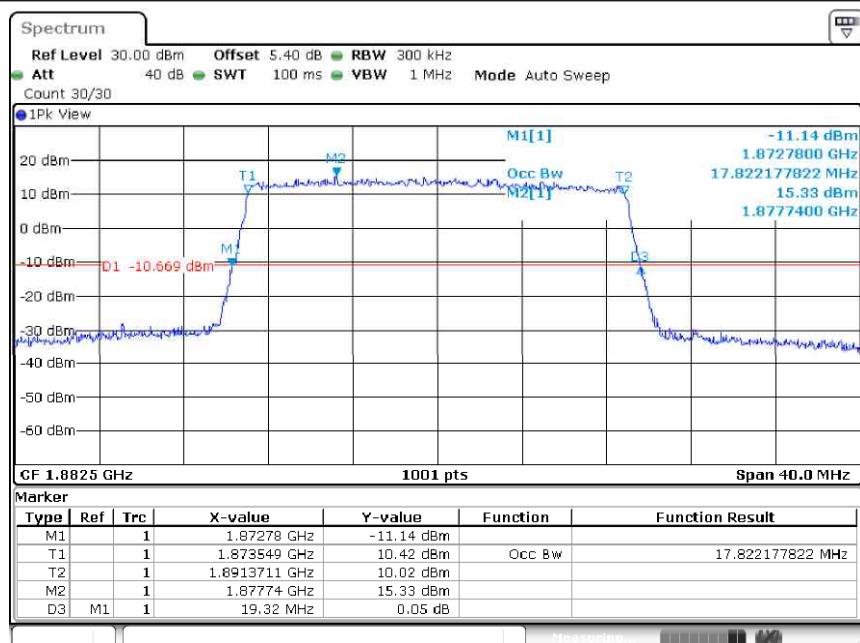


Band25-20MHz-16QAM-26140-100RB#0-17.862



Date: 28.JUN.2020 05:06:09

Band25-20MHz-16QAM-26365-100RB#0-17.822



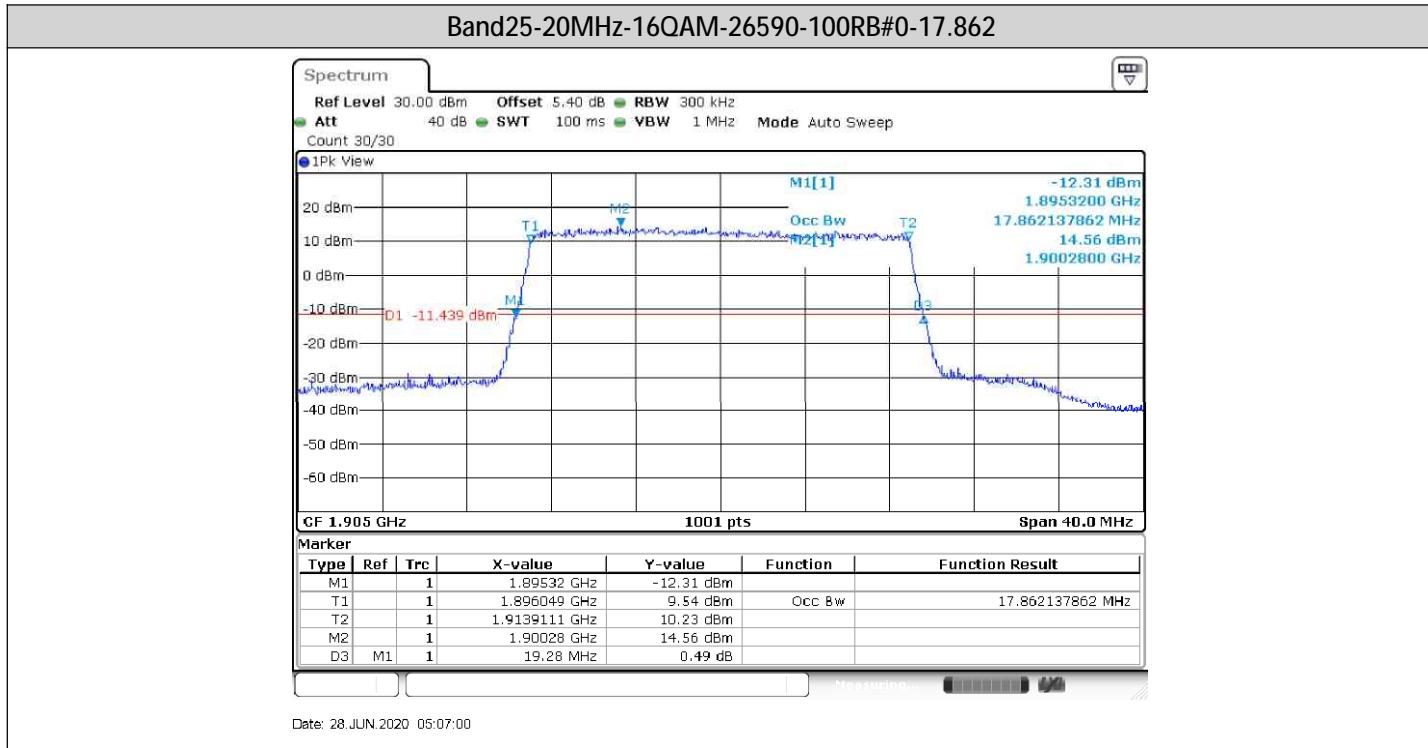
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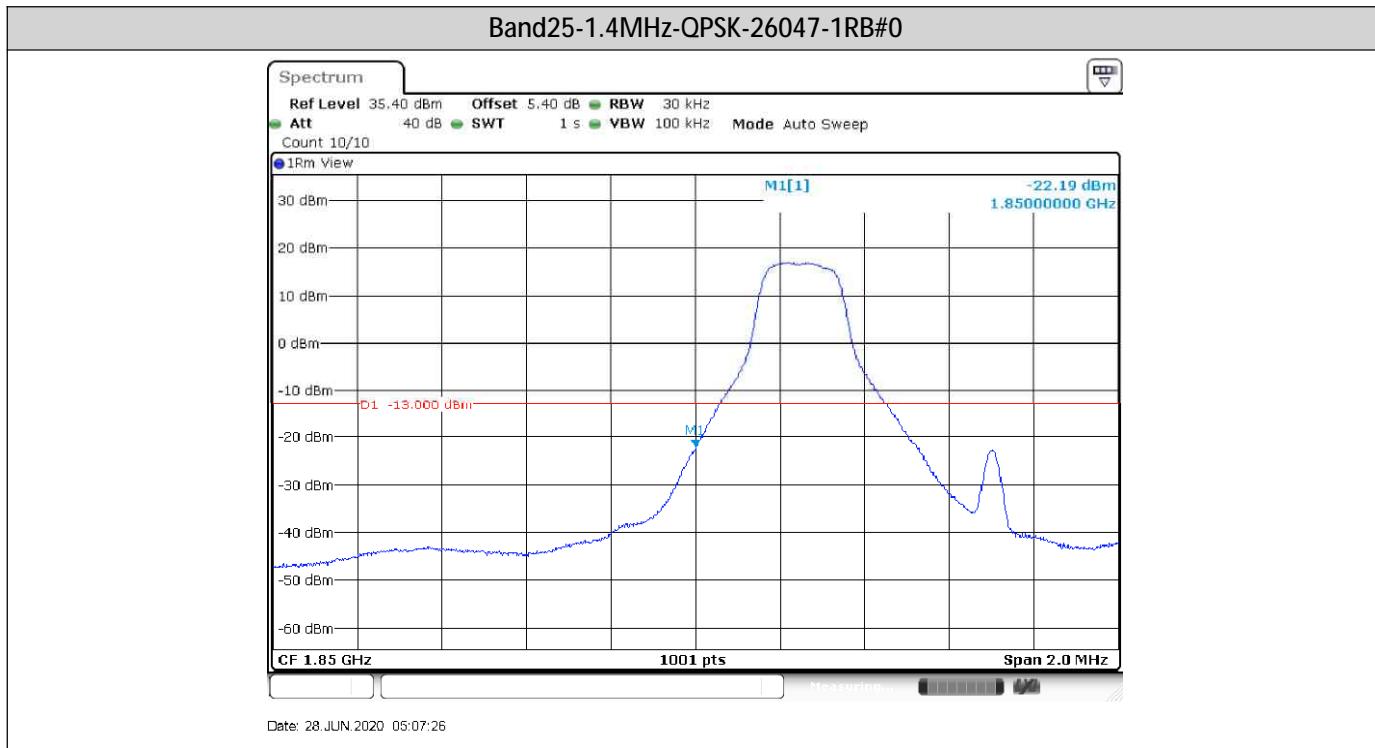
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5. Band Edge Compliance

5.1. Test Plots



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



Date: 28.JUN.2020 05:08:07

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



Date: 28.JUN.2020 05:08:53

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



Date: 28.JUN.2020 05:09:34

Band25-1.4MHz-16QAM-26047-1RB#0



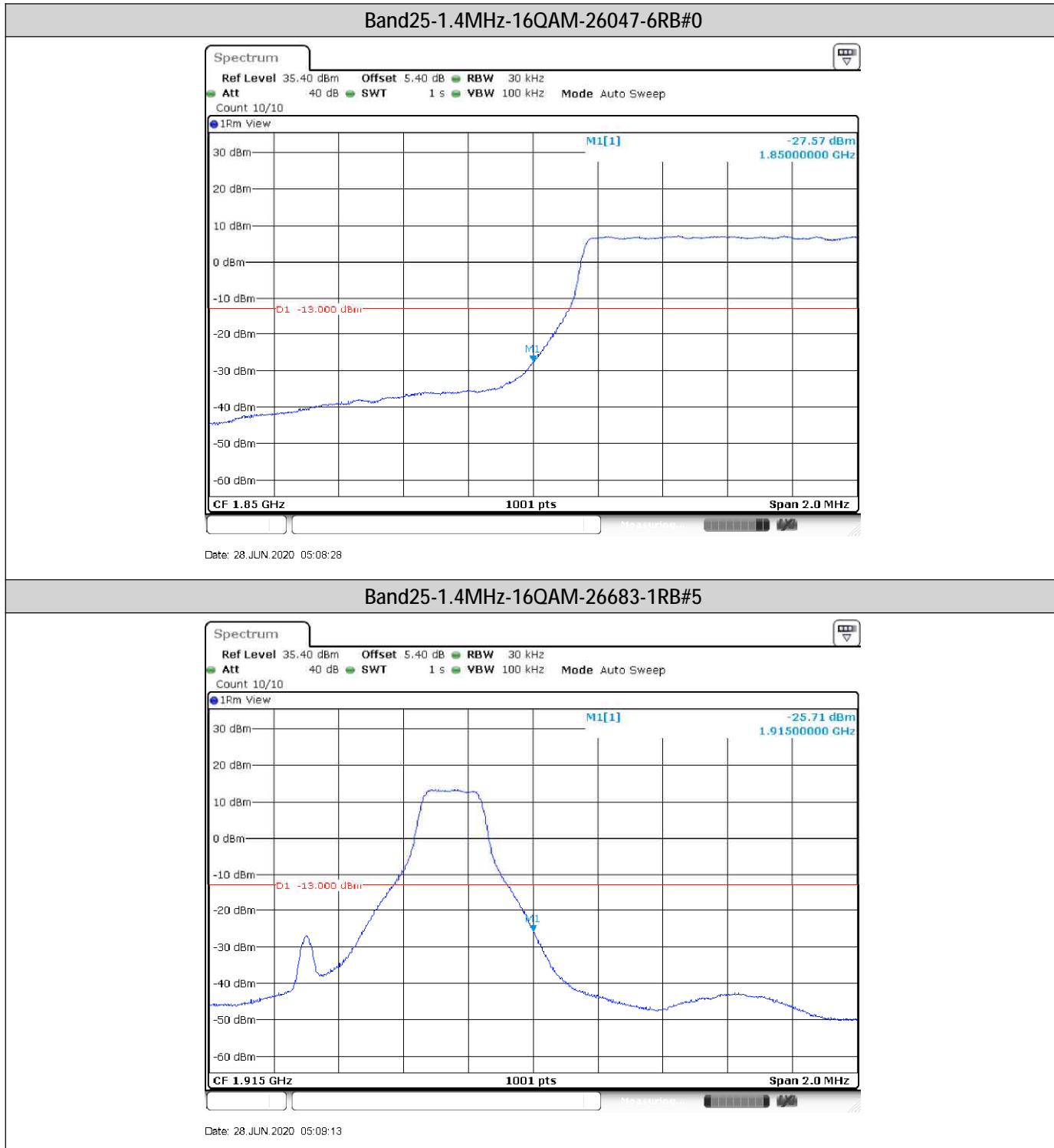
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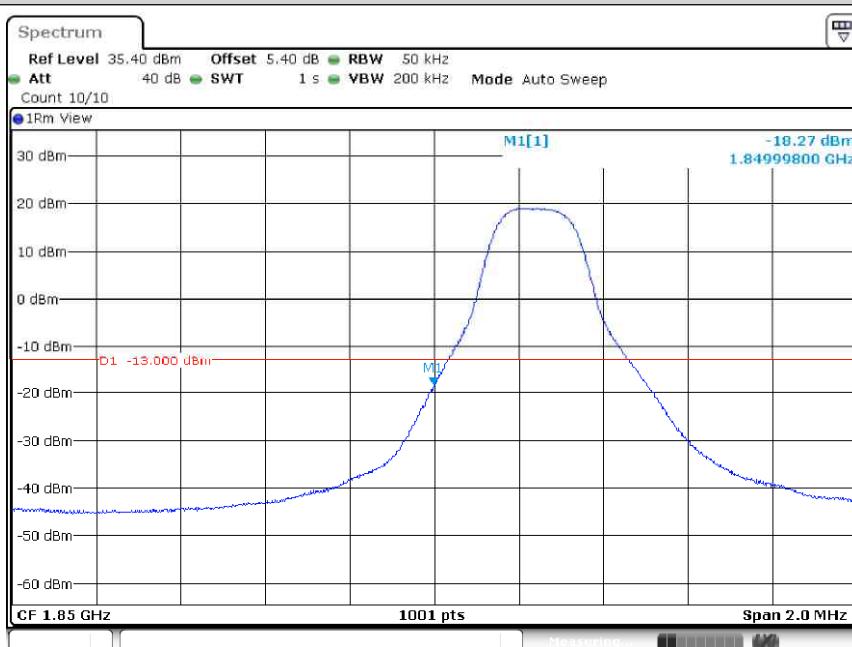


Band25-1.4MHz-16QAM-26683-6RB#0



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



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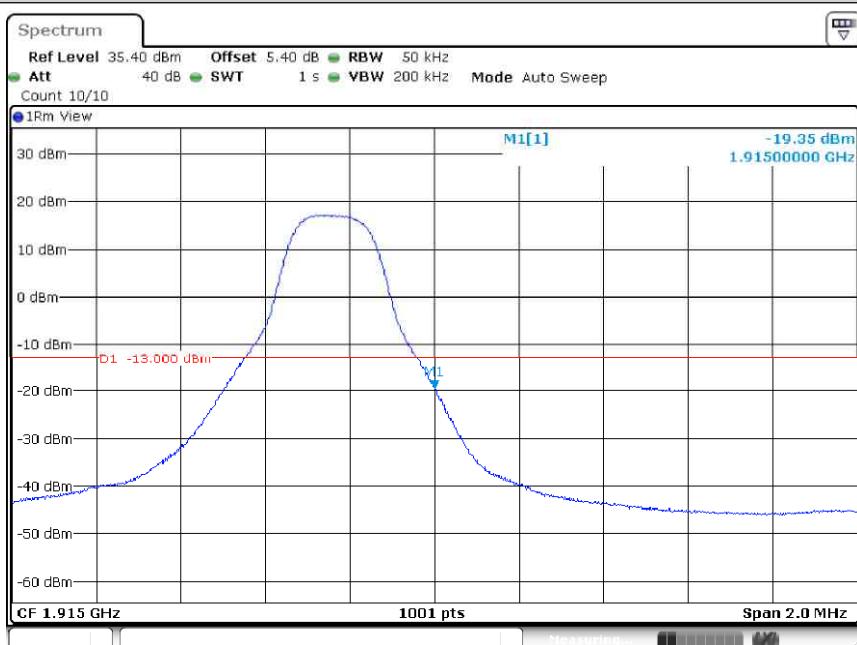
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Band25-3MHz-QPSK-26055-15RB#0



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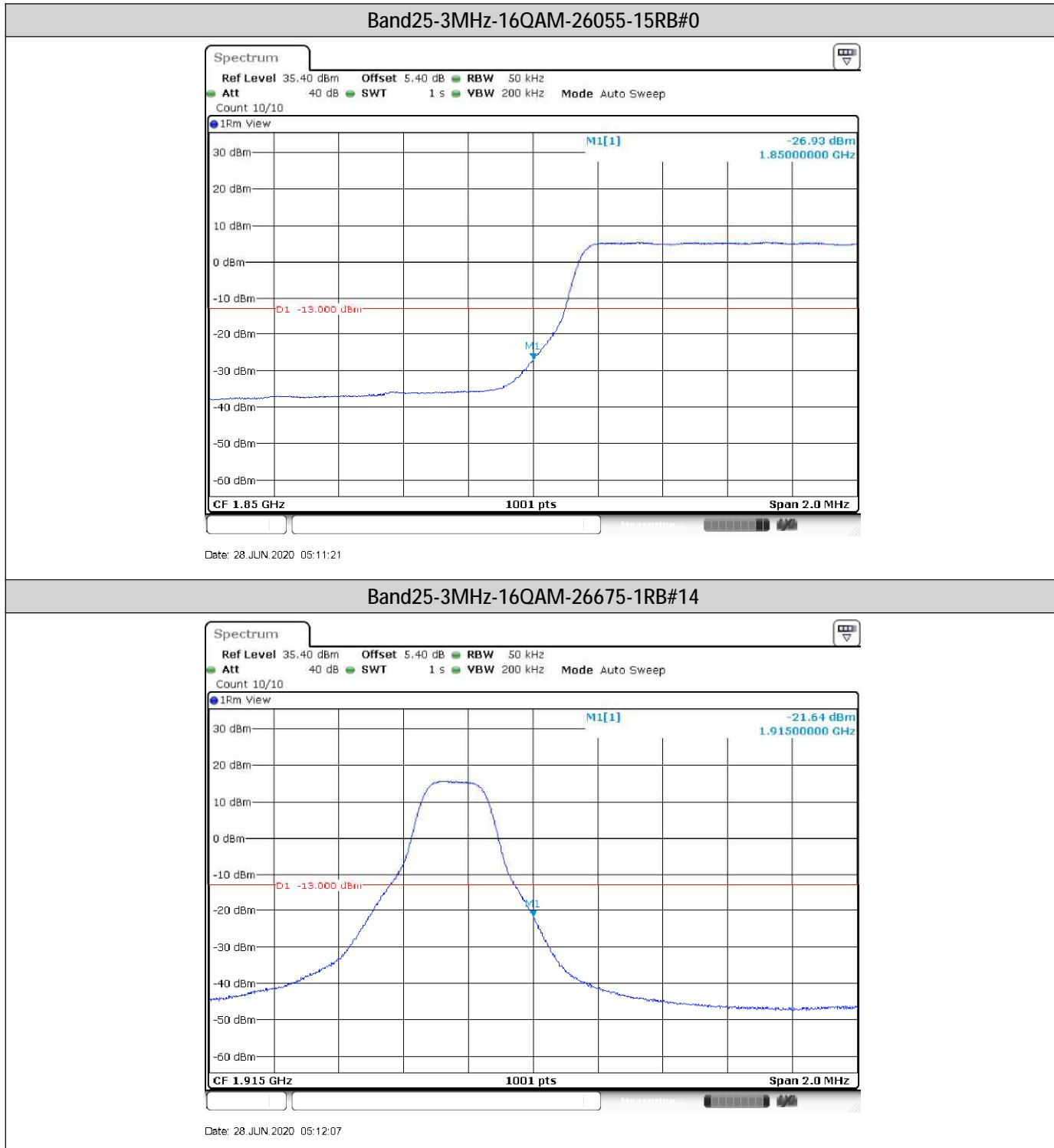
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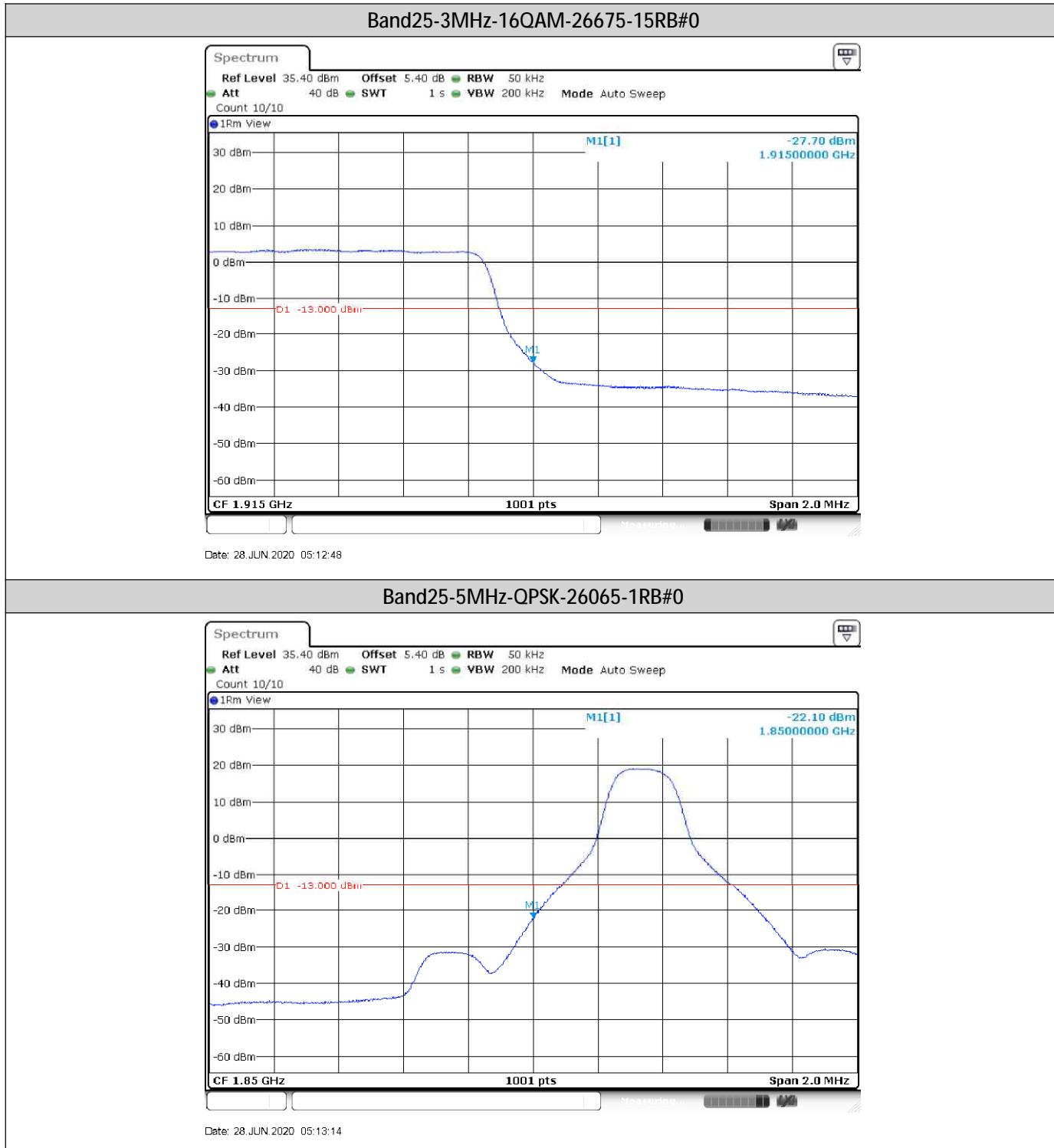


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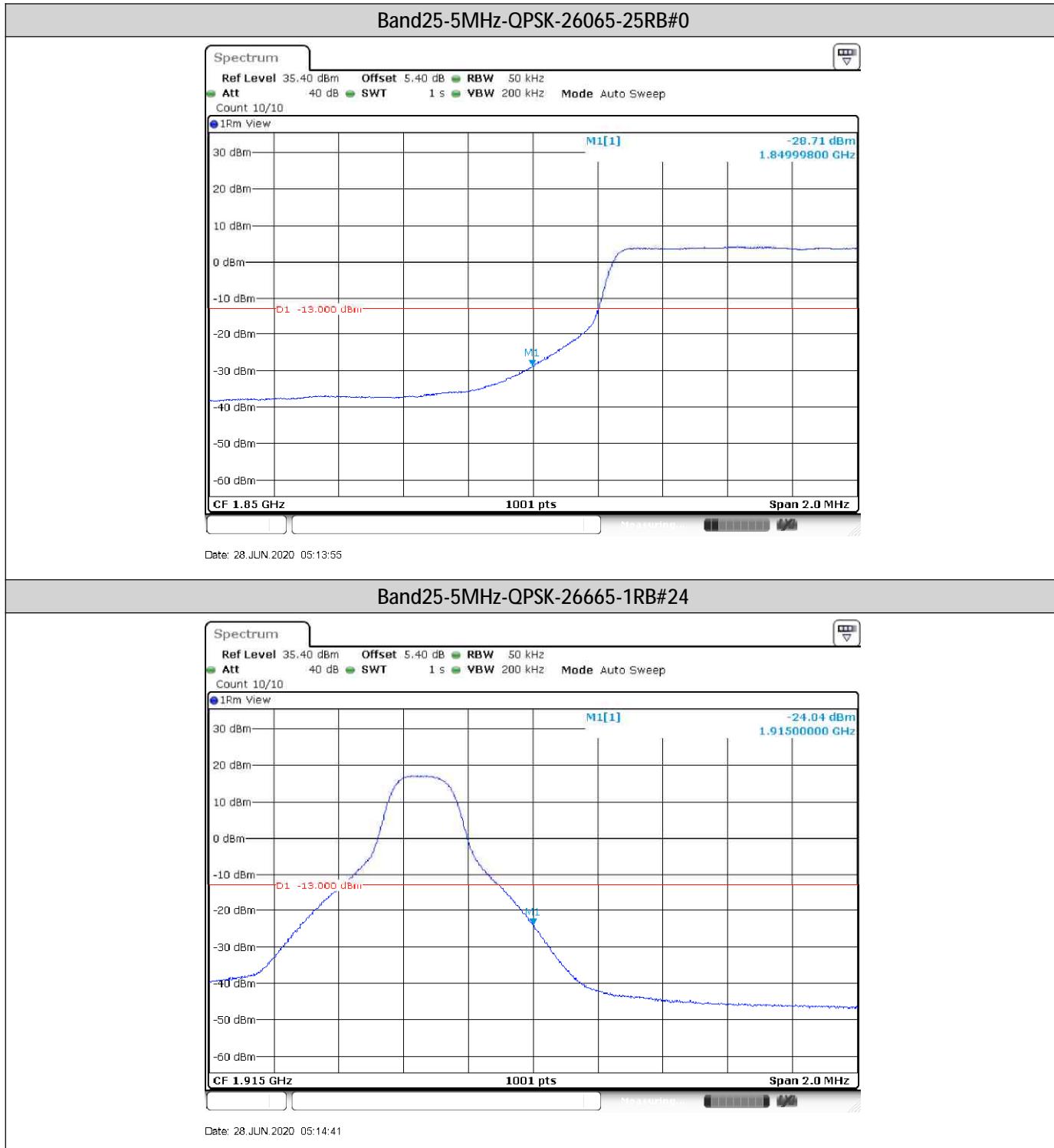


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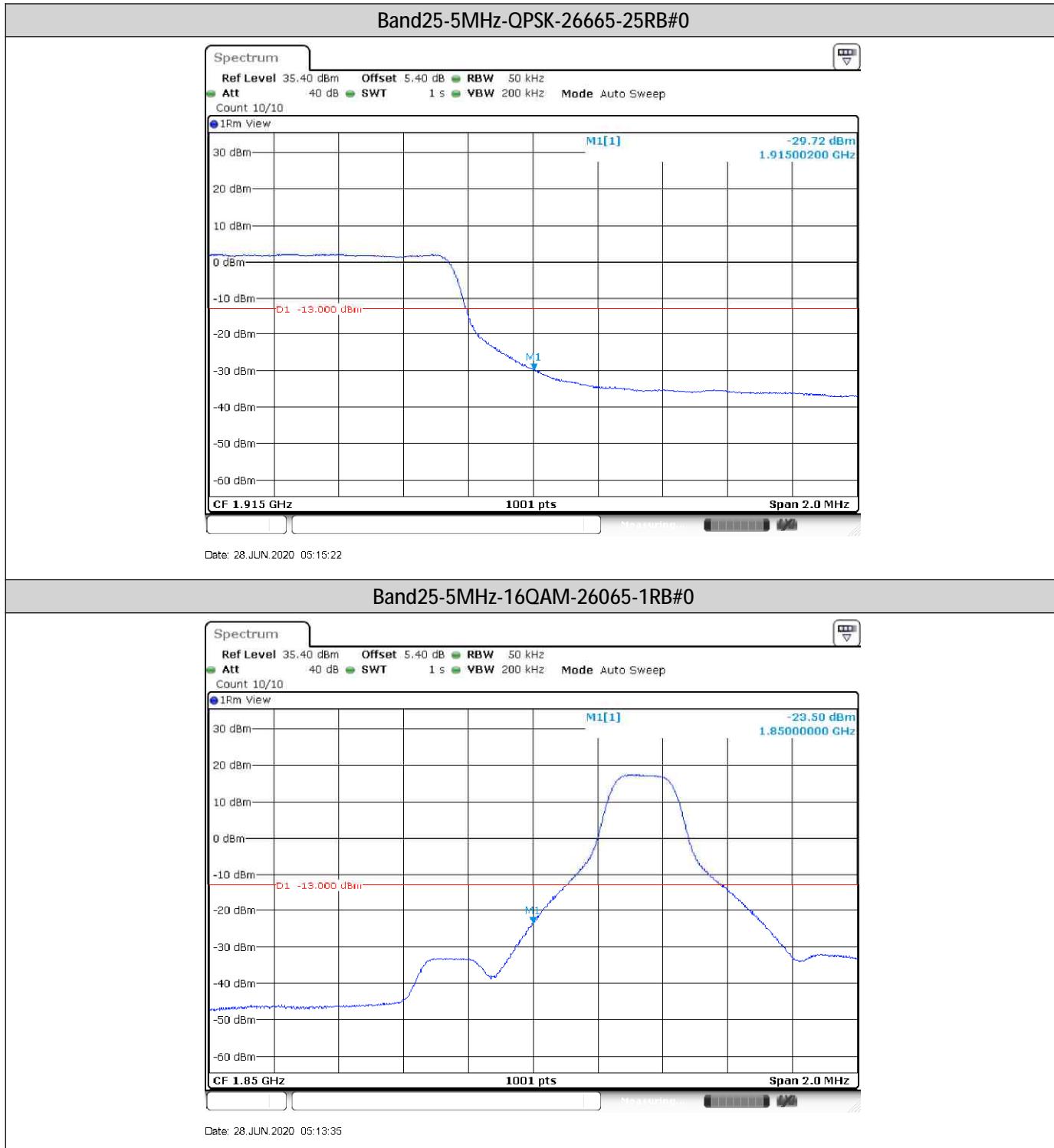


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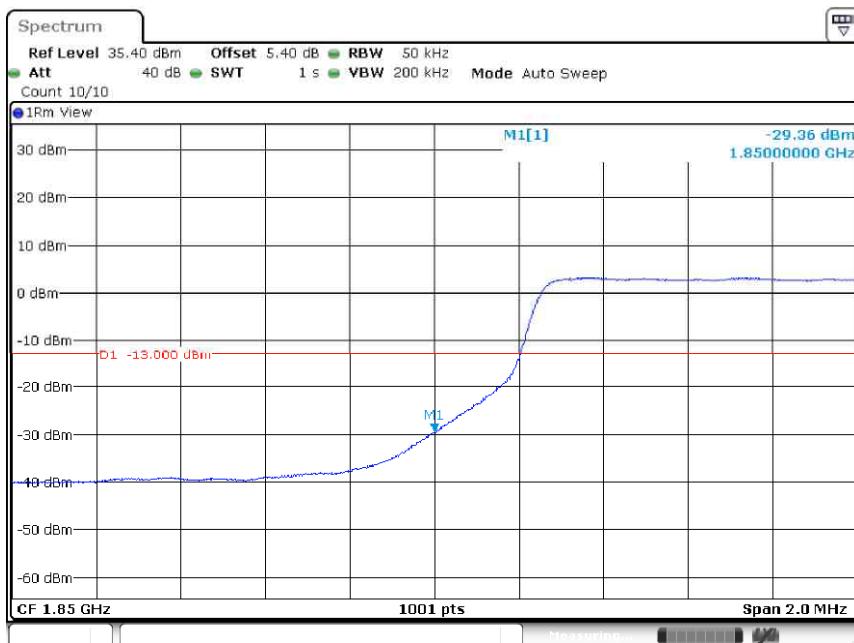
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Band25-5MHz-16QAM-26065-25RB#0



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Band25-5MHz-16QAM-26665-1RB#24



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



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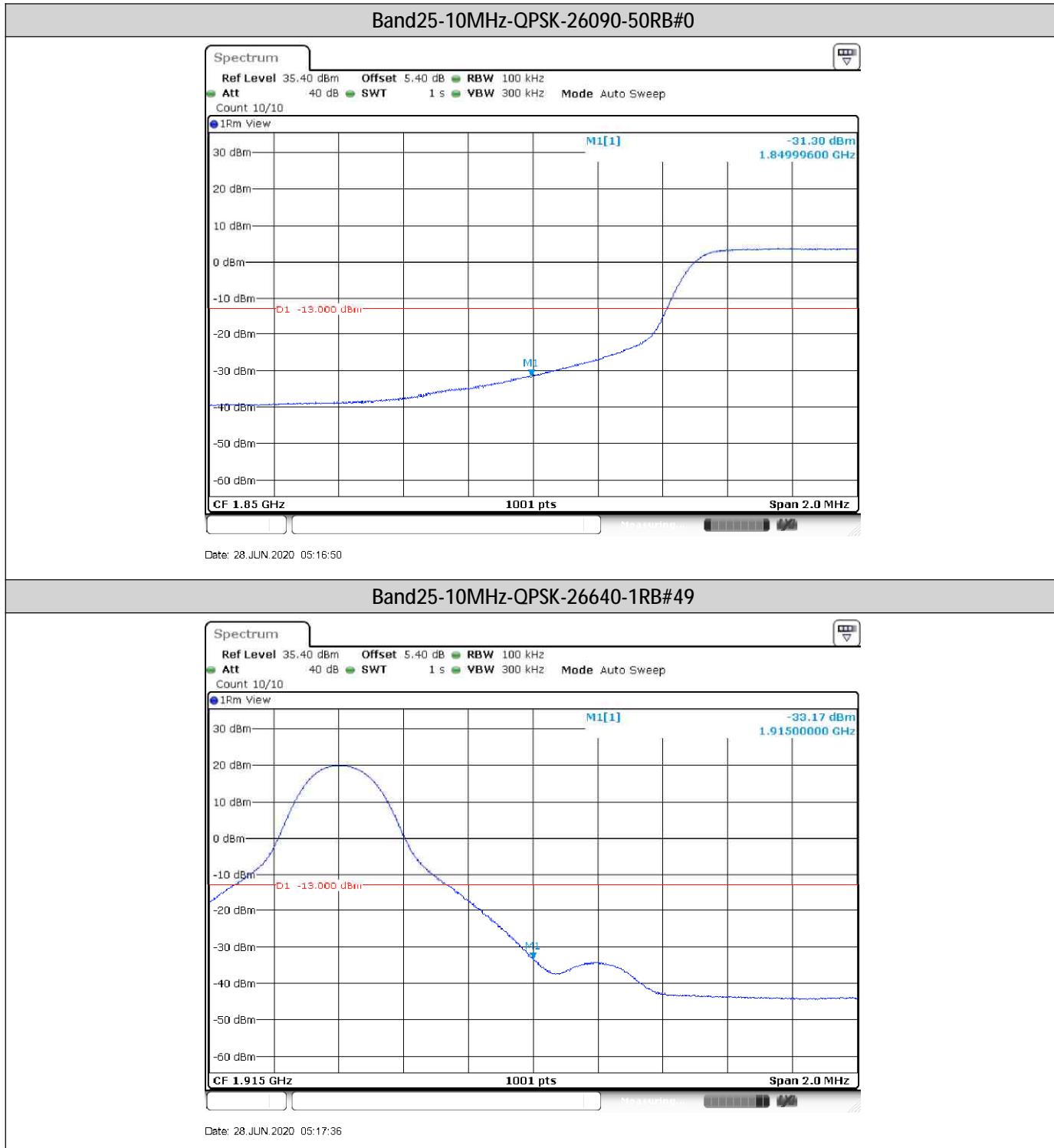
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Band25-10MHz-16QAM-26090-50RB#0



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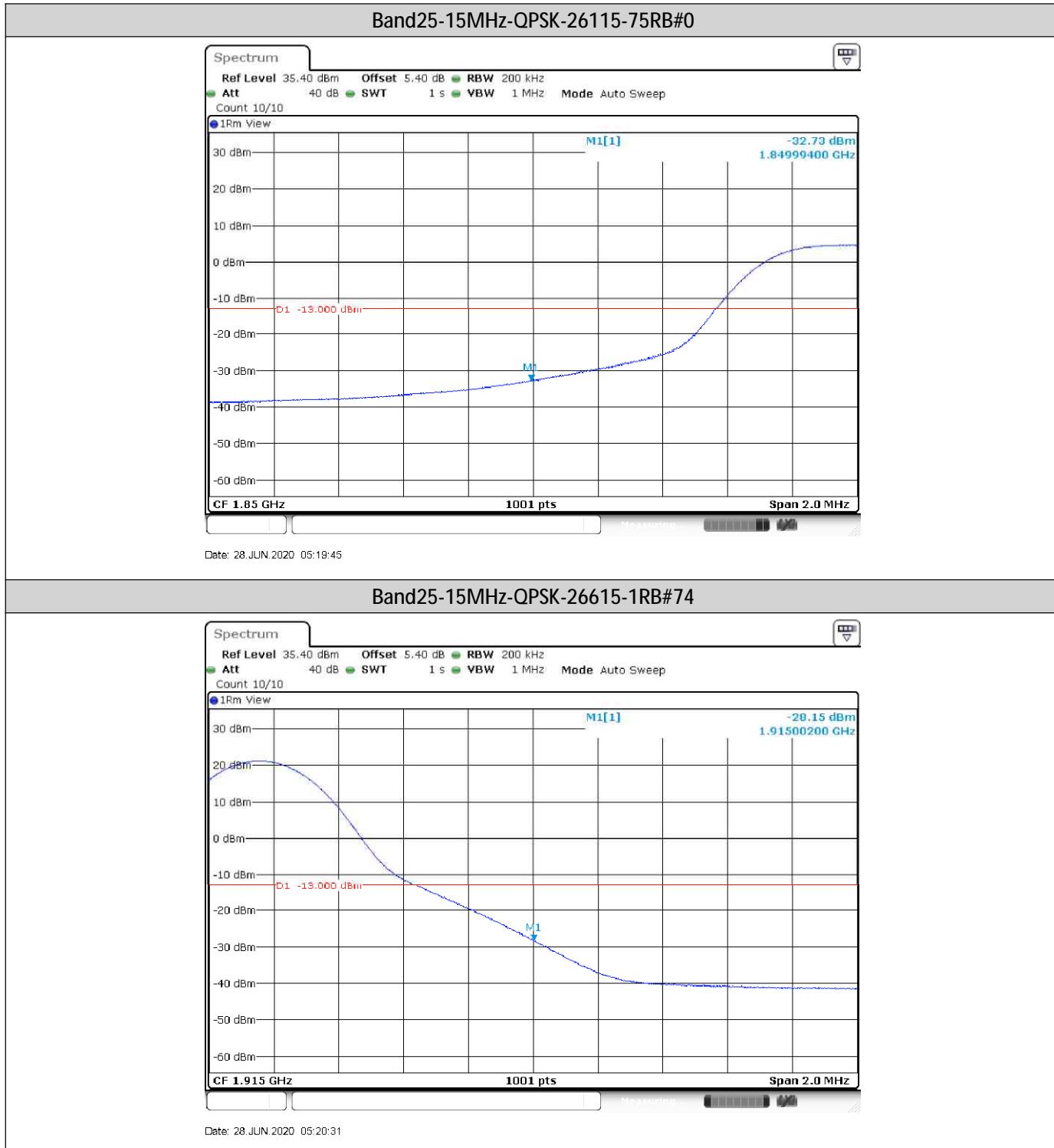
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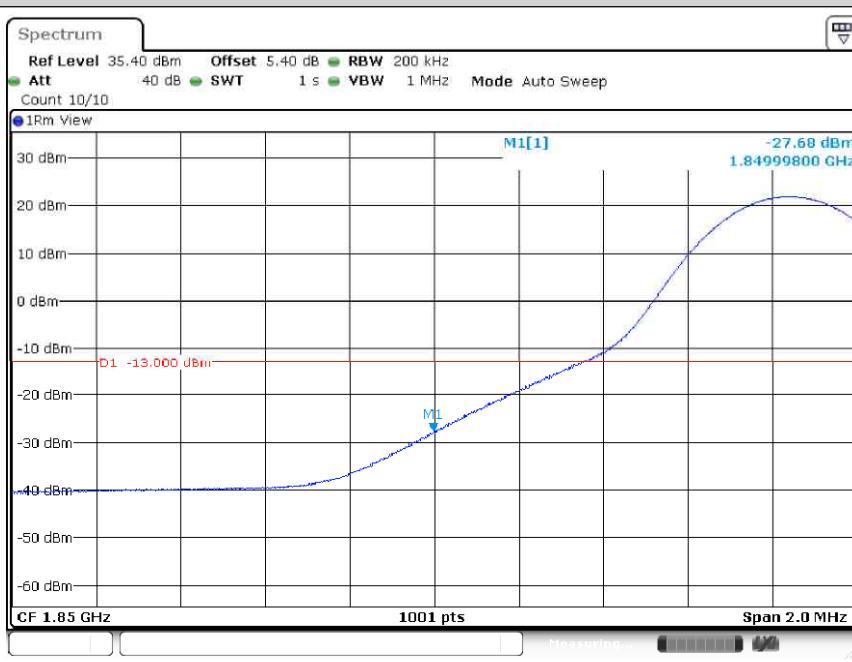




Band25-15MHz-QPSK-26615-75RB#0



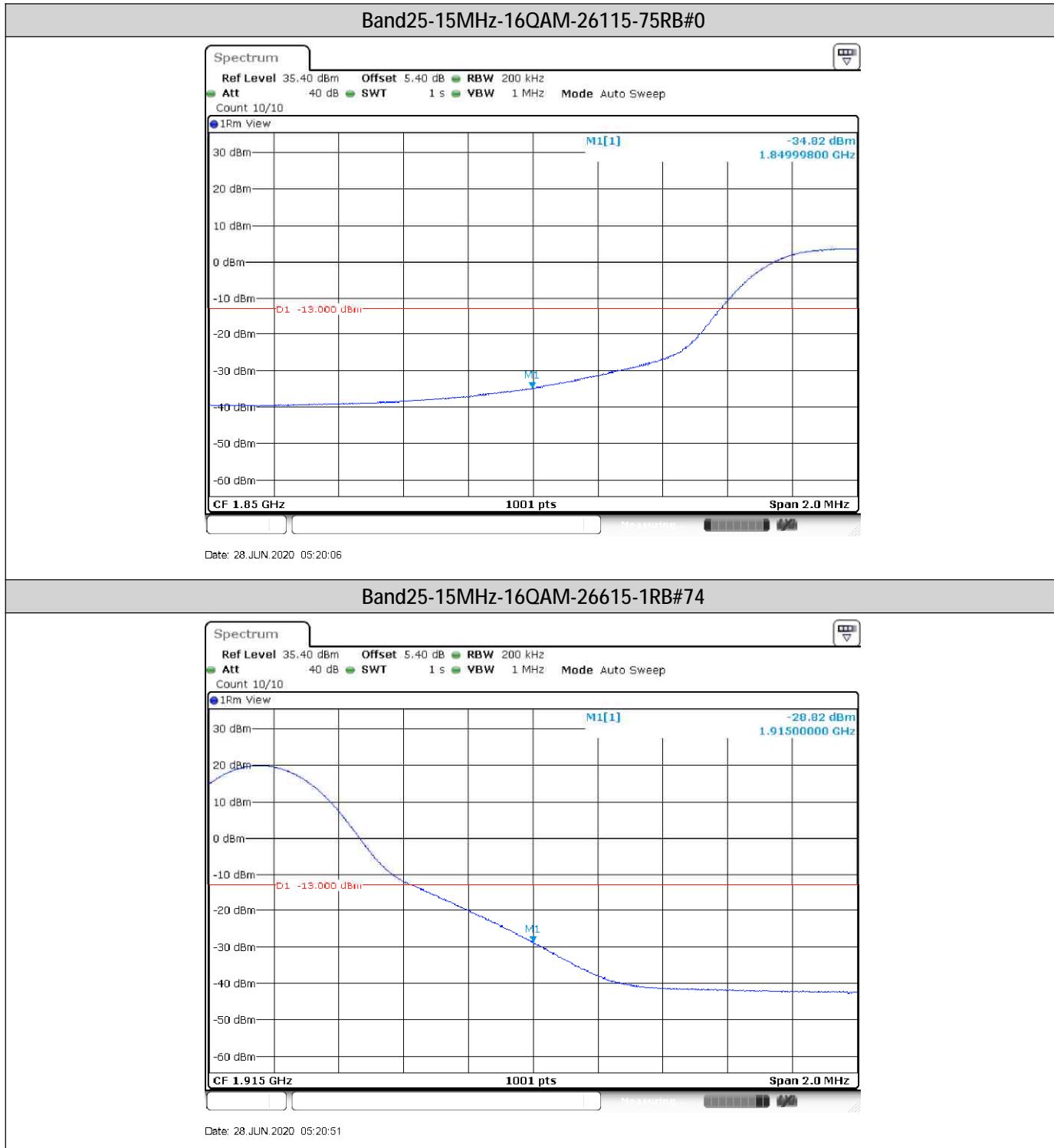
Band25-15MHz-16QAM-26115-1RB#0



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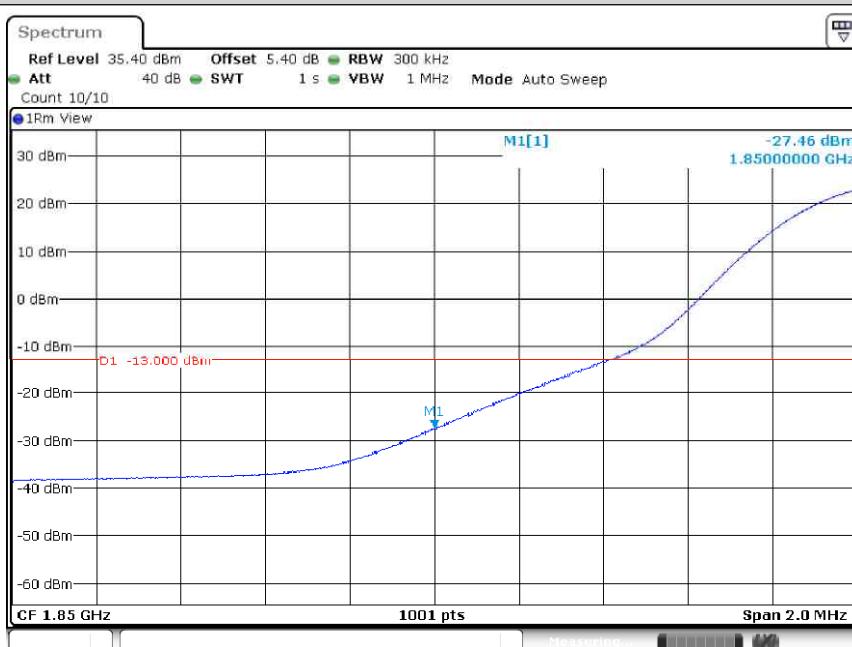
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Band25-15MHz-16QAM-26615-75RB#0



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



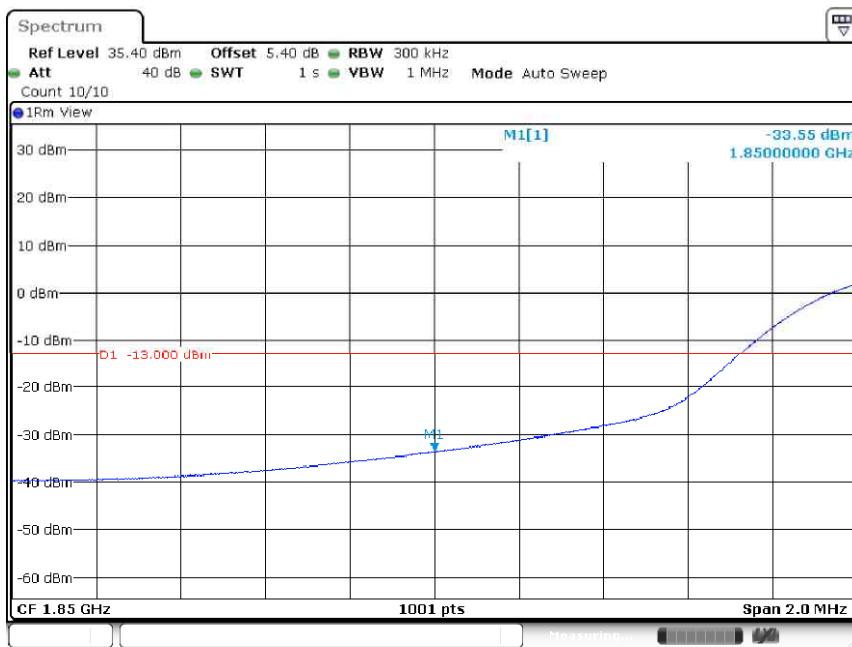
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Band25-20MHz-QPSK-26140-100RB#0



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

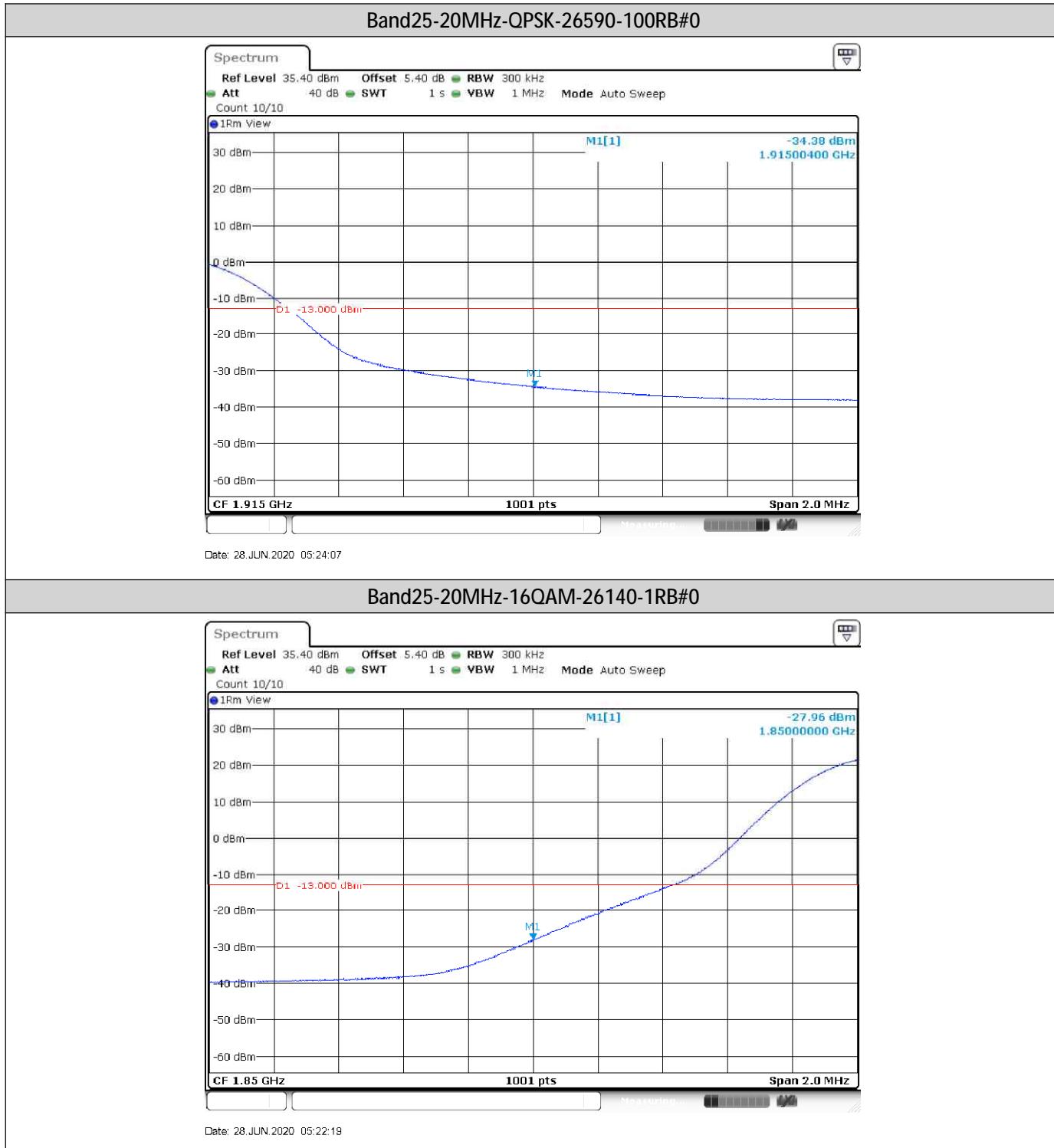


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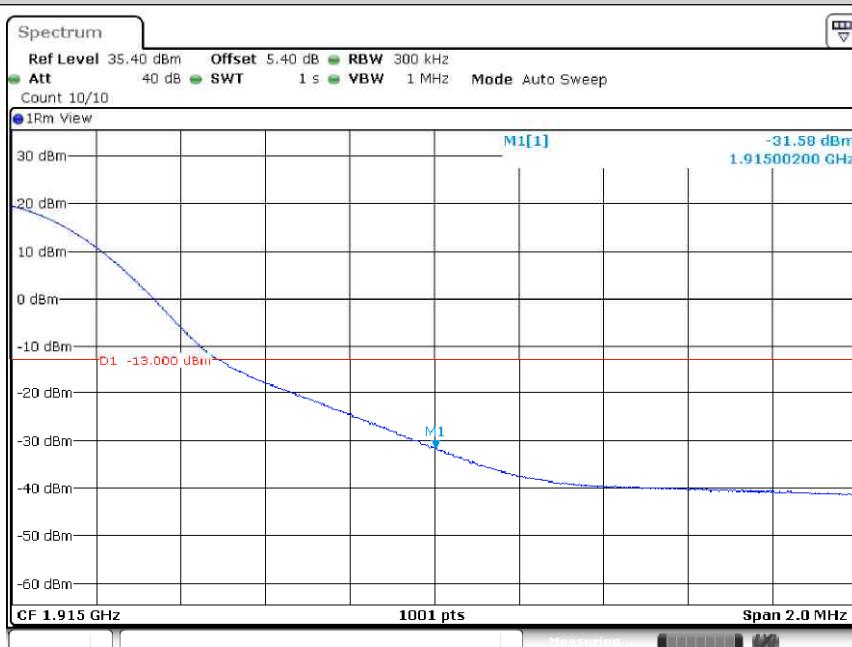


Band25-20MHz-16QAM-26140-100RB#0



Date: 28.JUN.2020 05:23:00

Band25-20MHz-16QAM-26590-1RB#99



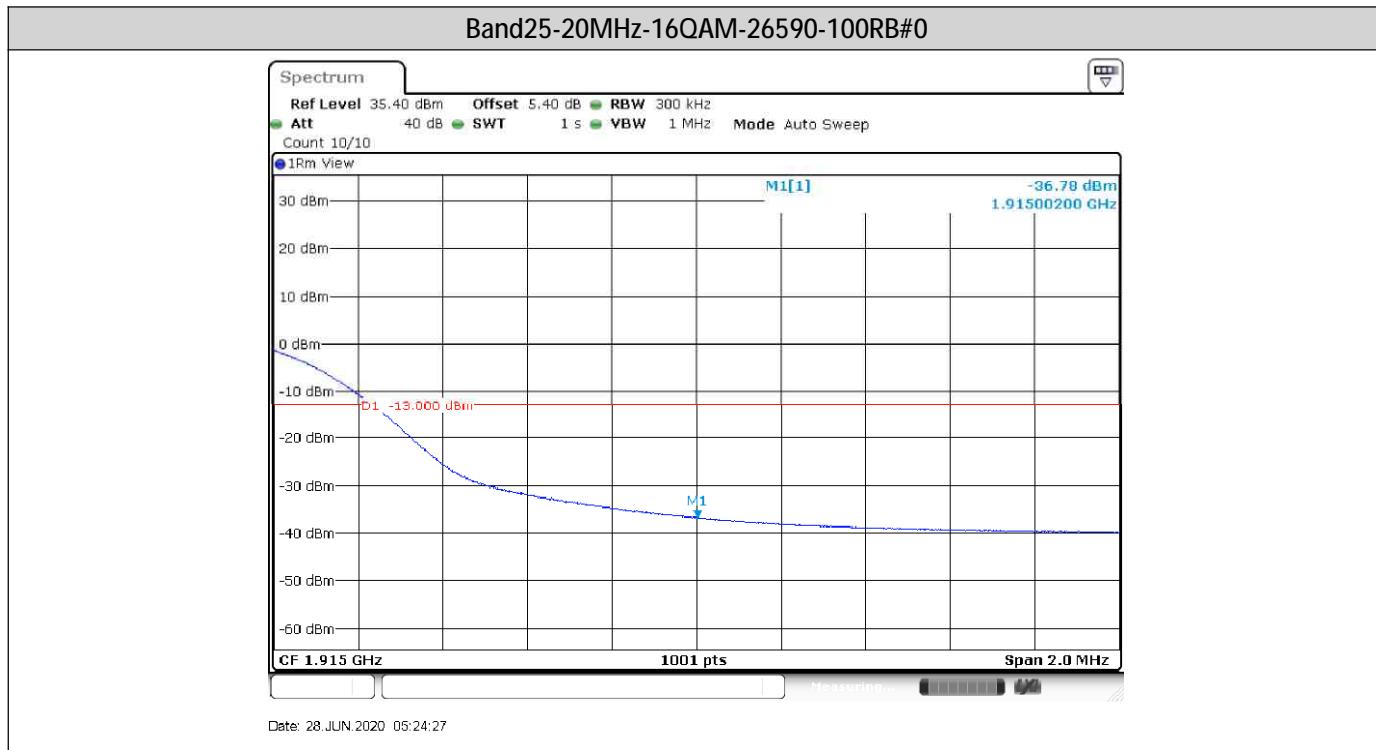
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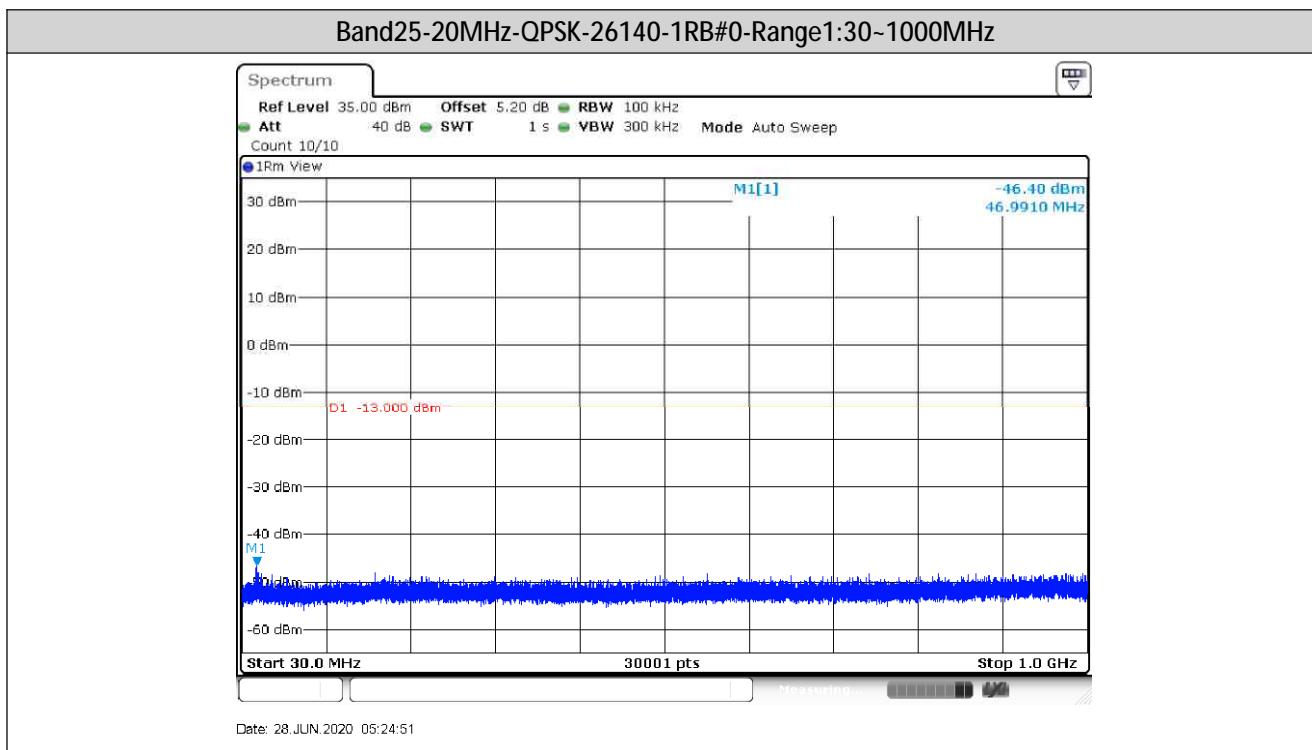
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6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Plots



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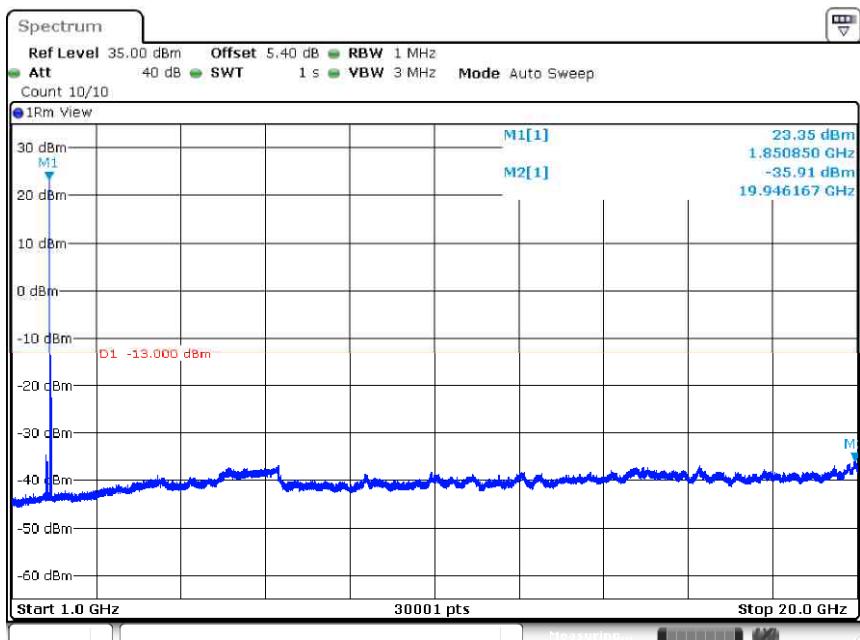
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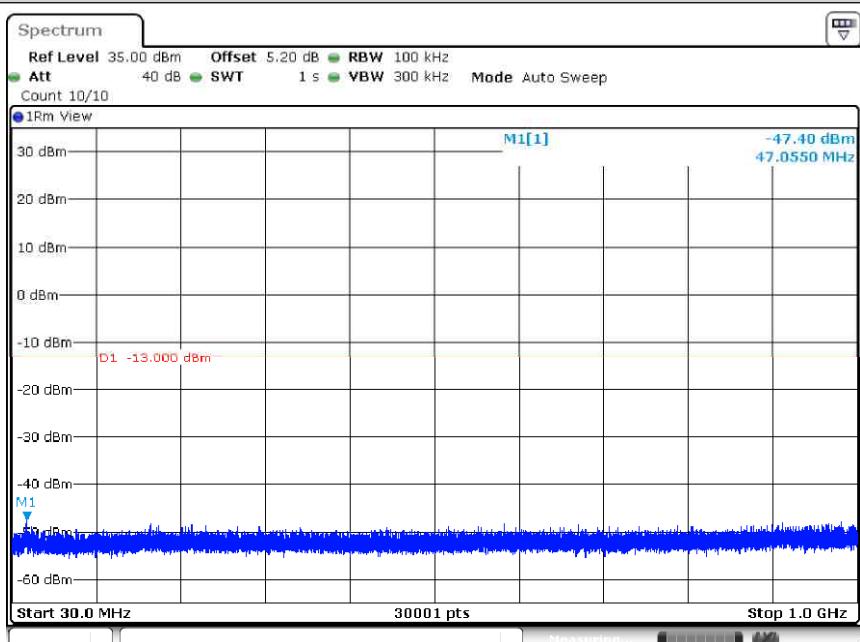
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Band25-20MHz-QPSK-26140-1RB#0-Range2:1000~20000MHz



Date: 28.JUN.2020 05:25:07

Band25-20MHz-QPSK-26365-1RB#0-Range1:30~1000MHz



Date: 28 JUN 2020 05:26:01



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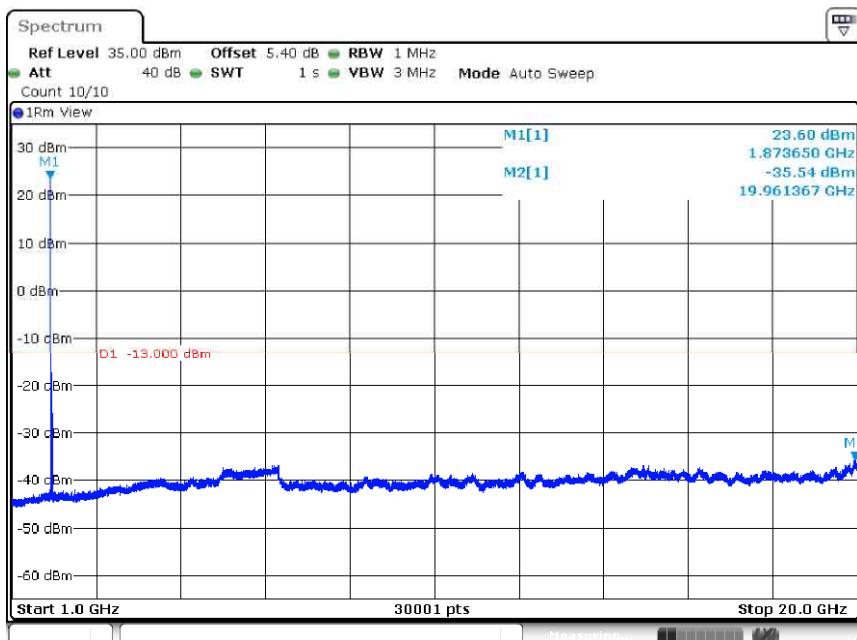
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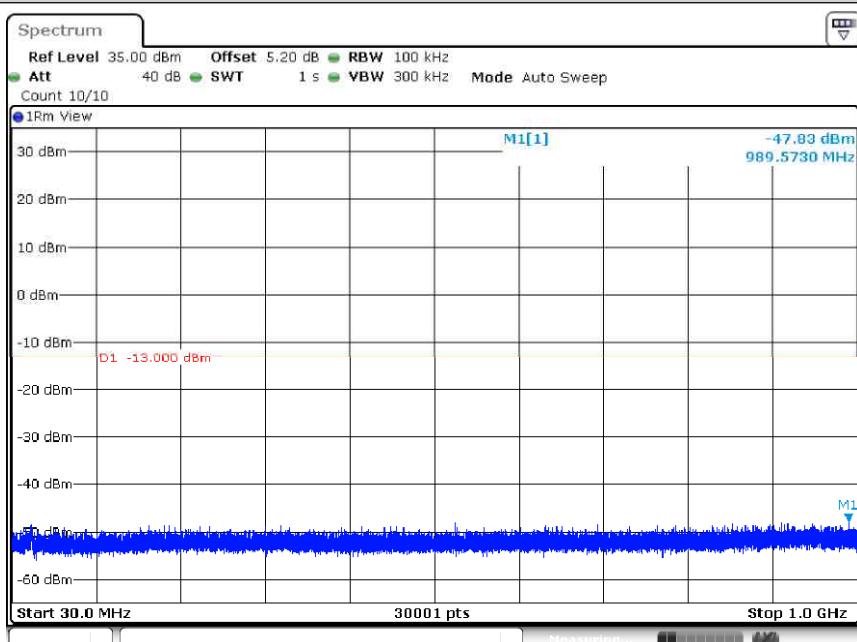
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Date: 28.JUN.2020 05:27:12

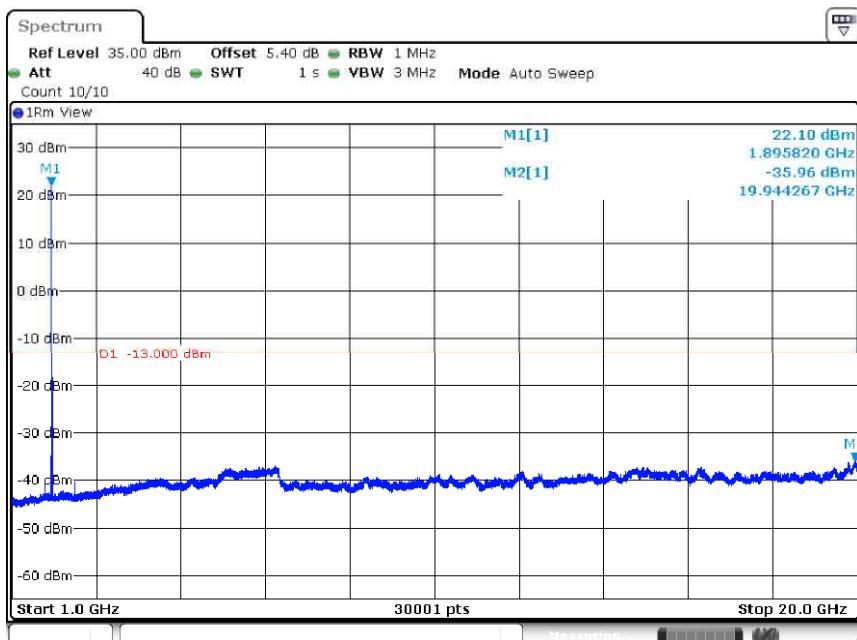
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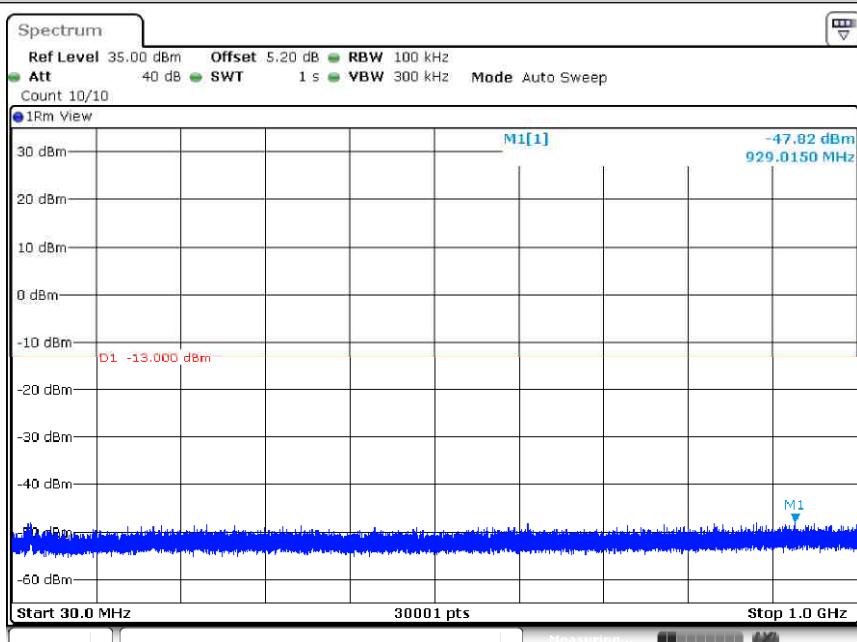
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Band25-20MHz-QPSK-26590-1RB#0-Range2:1000~20000MHz



Date: 28.JUN.2020 05:27:28

Band25-20MHz-16QAM-26140-1RB#0-Range1:30~1000MHz



Date: 28.JUN.2020 05:25:26

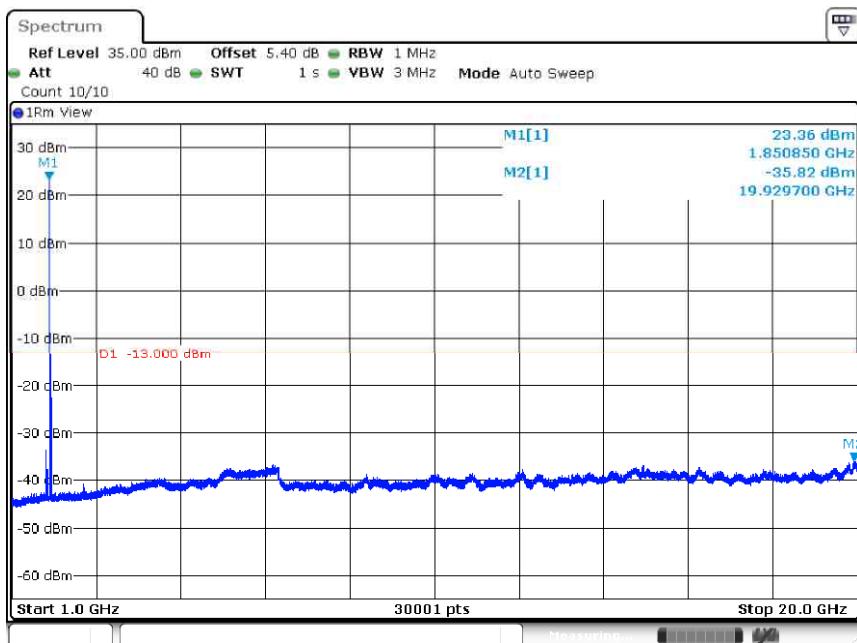
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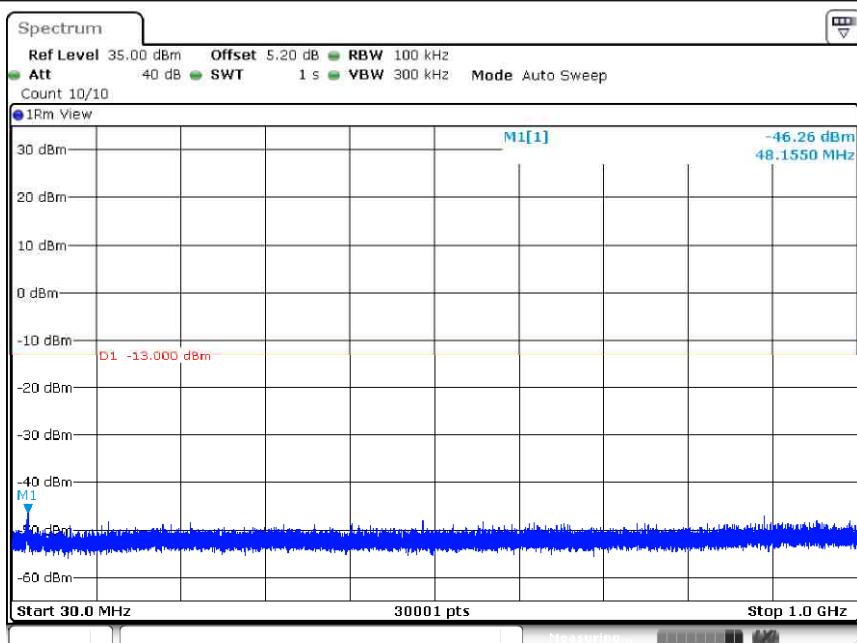
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Band25-20MHz-16QAM-26140-1RB#0-Range2:1000~20000MHz



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Band25-20MHz-16QAM-26365-1RB#0-Range1:30~1000MHz



Date: 28.JUN.2020 05:26:36

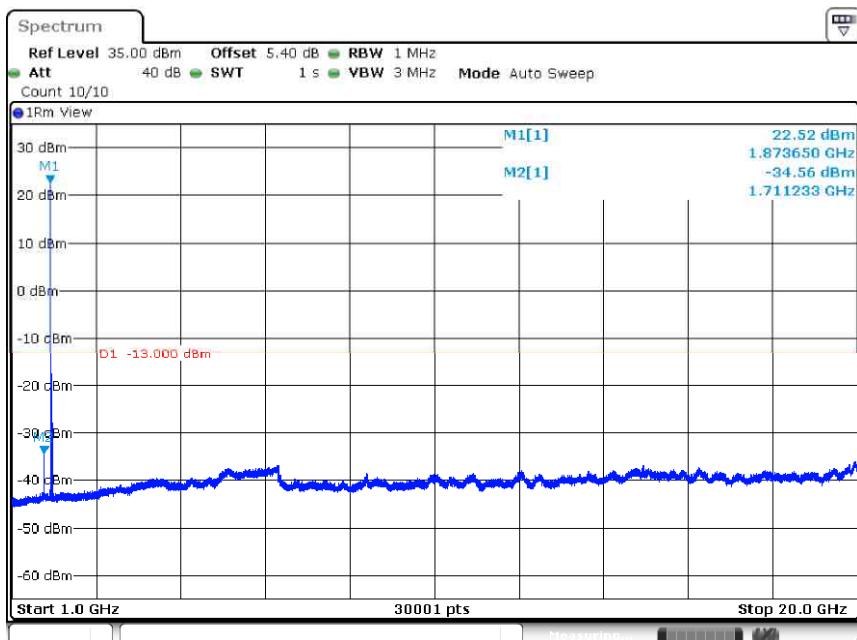
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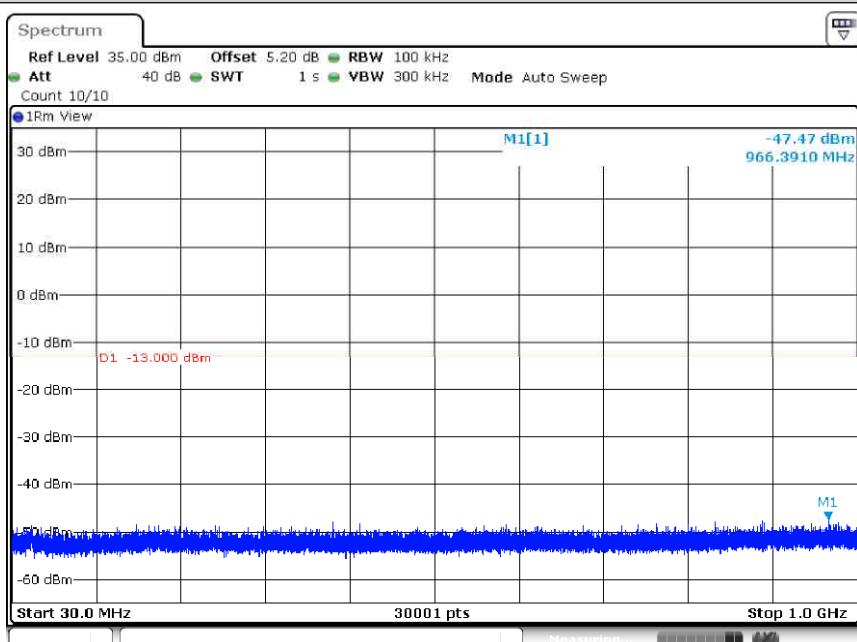
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Date: 28.JUN.2020 05:26:53

Band25-20MHz-16QAM-26590-1RB#0-Range1:30~1000MHz



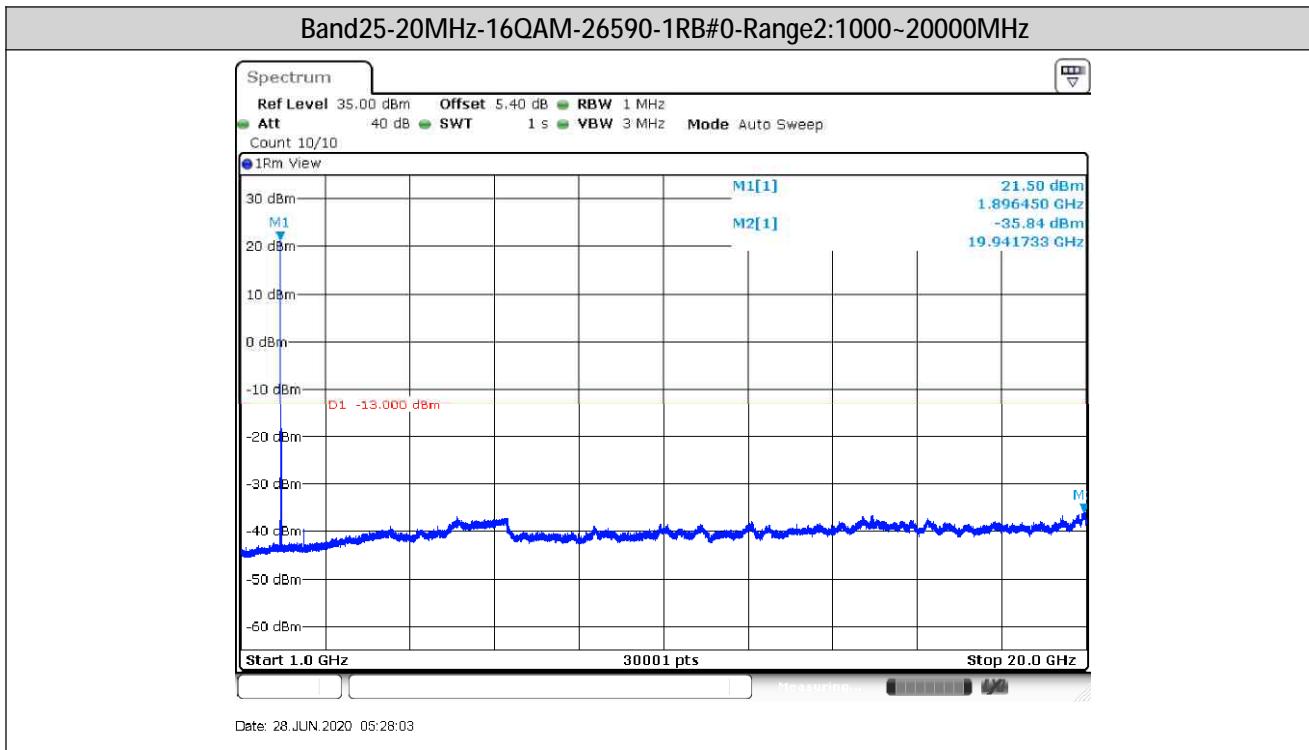
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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.8245	-52.06	-13.00	39.06	Vertical
74.7677	-51.14	-13.00	38.14	Vertical
2702.3405	-37.76	-13.00	24.76	Vertical
3641.0214	-61.33	-13.00	48.33	Vertical
14482.3827	-47.79	-13.00	34.79	Vertical
17999.0000	-40.64	-13.00	27.64	Vertical
41.4951	-57.45	-13.00	44.45	Horizontal
65.6493	-55.90	-13.00	42.90	Horizontal
2699.9400	-36.41	-13.00	23.41	Horizontal
3702.0234	-58.89	-13.00	45.89	Horizontal
16398.4466	-43.65	-13.00	30.65	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.8245	-52.06	-13.00	39.06	Vertical
73.4582	-52.43	-13.00	39.43	Vertical
2704.7409	-37.64	-13.00	24.64	Vertical
3747.0249	-58.76	-13.00	45.76	Vertical
14480.3827	-47.58	-13.00	34.58	Vertical
17997.9999	-40.34	-13.00	27.34	Vertical
41.4466	-57.96	-13.00	44.96	Horizontal
65.3583	-56.61	-13.00	43.61	Horizontal
2690.7381	-36.62	-13.00	23.62	Horizontal
3747.0249	-56.92	-13.00	43.92	Horizontal
16394.9465	-43.88	-13.00	30.88	Horizontal
17996.4999	-44.86	-13.00	31.86	Horizontal

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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.9215	-52.43	-13.00	39.43	Vertical
74.0402	-51.89	-13.00	38.89	Vertical
334.4012	-69.02	-13.00	56.02	Vertical
3792.5264	-60.06	-13.00	47.06	Vertical
7985.1662	-55.66	-13.00	42.66	Vertical
14486.3829	-47.53	-13.00	34.53	Vertical
61.5266	-56.26	-13.00	43.26	Horizontal
635.6983	-63.10	-13.00	50.10	Horizontal
2697.5395	-36.59	-13.00	23.59	Horizontal
7254.6418	-57.24	-13.00	44.24	Horizontal
16397.4466	-43.36	-13.00	30.36	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	VL	NT	0.60	0.000323	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	0.30	0.000161	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VH	NT	0.60	0.000323	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	0.20	0.000106	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	3.00	0.001594	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	0.90	0.000478	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	1.00	0.000525	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	0.20	0.000105	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VH	NT	-0.10	-0.000052	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VL	NT	1.30	0.000699	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VN	NT	2.30	0.001237	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VH	NT	2.40	0.001290	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VL	NT	1.10	0.000584	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VN	NT	2.30	0.001222	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VH	NT	2.50	0.001328	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VL	NT	0.30	0.000157	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VN	NT	-0.10	-0.000052	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	0.70	0.000367	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	NV	-30	1.60	0.000860	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	0.60	0.000323	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	1.40	0.000753	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	20	1.00	0.000538	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	30	0.50	0.000269	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	0.60	0.000323	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	50	-0.10	-0.000054	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-0.70	-0.000372	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	0.20	0.000106	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-0.60	-0.000319	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-0.70	-0.000372	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	0.30	0.000159	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	1.00	0.000531	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	1.60	0.000850	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-0.30	-0.000159	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-30	-0.90	-0.000472	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	1.40	0.000735	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	2.00	0.001050	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	10	1.60	0.000840	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	0.50	0.000262	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	1.80	0.000945	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	0.50	0.000262	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	-0.60	-0.000315	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-30	1.20	0.000645	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-20	2.10	0.001129	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	1.20	0.000645	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	2.60	0.001398	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	1.70	0.000914	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	1.80	0.000968	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	40	1.90	0.001022	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	50	1.70	0.000914	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-30	0.30	0.000159	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-20	0.60	0.000319	±2.5	PASS

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Band25	20MHz	16QAM	26365	100RB#0	NV	10	-0.40	-0.000212	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	-0.40	-0.000212	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	0.60	0.000319	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	1.20	0.000637	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	2.70	0.001434	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-30	0.90	0.000472	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-20	-0.50	-0.000262	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	2.00	0.001050	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	20	0.50	0.000262	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	30	2.70	0.001417	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	40	0.20	0.000105	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	0.20	0.000105	±2.5	PASS

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