



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	23.34	28.34	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.43	28.43	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.35	28.35	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	23.51	28.51	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	23.69	28.69	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	23.60	28.60	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.45	27.45	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.35	28.35	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.32	28.32	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.24	28.24	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	23.42	28.42	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	23.61	28.61	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	23.56	28.56	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.40	27.40	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.27	28.27	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.29	28.29	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.19	28.19	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	23.38	28.38	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	23.42	28.42	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	23.30	28.30	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.31	27.31	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.11	27.11	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.25	27.25	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.12	27.12	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	22.78	27.78	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	22.74	27.74	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	22.54	27.54	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.49	26.49	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.05	27.05	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.23	27.23	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.06	27.06	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	22.66	27.66	33.00	PASS



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Band25	1.4MHz	16QAM	26365	3RB#1	22.72	27.72	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	22.48	27.48	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.45	26.45	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.96	26.96	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.08	27.08	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.96	26.96	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	22.63	27.63	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#1	22.38	27.38	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	22.54	27.54	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.29	26.29	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.24	28.24	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.19	28.19	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.32	28.32	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	22.49	27.49	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#4	22.50	27.50	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	22.50	27.50	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.49	27.49	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.38	28.38	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.38	28.38	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.30	28.30	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	22.41	27.41	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#4	22.42	27.42	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	22.43	27.43	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.43	27.43	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.35	28.35	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.35	28.35	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.16	28.16	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	22.46	27.46	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#4	22.40	27.40	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	22.37	27.37	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.41	27.41	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.07	27.07	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.09	27.09	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.02	27.02	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	21.28	26.28	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#4	21.24	26.24	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	21.24	26.24	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.61	26.61	33.00	PASS



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Band25	3MHz	16QAM	26365	1RB#0	22.06	27.06	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.00	27.00	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.13	27.13	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	21.30	26.30	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#4	21.34	26.34	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	21.38	26.38	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.42	26.42	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.97	26.97	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.06	27.06	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.06	27.06	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	21.59	26.59	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#4	21.20	26.20	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	21.17	26.17	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.43	26.43	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.23	28.23	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.54	28.54	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.98	27.98	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	22.42	27.42	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	22.44	27.44	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	22.34	27.34	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.48	27.48	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.32	28.32	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.52	28.52	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.20	28.20	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	22.38	27.38	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	22.38	27.38	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	22.39	27.39	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.41	27.41	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.18	28.18	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.38	28.38	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.23	28.23	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	22.29	27.29	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	22.39	27.39	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	22.41	27.41	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.38	27.38	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.09	27.09	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.29	27.29	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.96	26.96	33.00	PASS



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Band25	5MHz	16QAM	26065	12RB#0	21.16	26.16	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	21.26	26.26	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	21.22	26.22	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.34	26.34	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.04	27.04	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.31	27.31	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.00	27.00	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	21.30	26.30	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	21.39	26.39	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	21.32	26.32	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.43	26.43	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.95	26.95	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.37	27.37	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.00	27.00	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	21.28	26.28	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	21.31	26.31	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	21.26	26.26	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.29	26.29	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.45	28.45	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.44	28.44	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.21	28.21	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	22.61	27.61	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#12	22.47	27.47	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	22.34	27.34	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.36	27.36	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.34	28.34	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.54	28.54	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.27	28.27	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	22.50	27.50	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#12	22.44	27.44	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	22.38	27.38	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.48	27.48	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.39	28.39	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.33	28.33	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.30	28.30	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	22.44	27.44	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#12	22.37	27.37	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	22.32	27.32	33.00	PASS



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Band25	10MHz	QPSK	26640	50RB#0	22.33	27.33	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.28	27.28	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.19	27.19	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.11	27.11	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	21.69	26.69	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#12	21.36	26.36	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	21.47	26.47	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.34	26.34	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.18	27.18	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.21	27.21	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.17	27.17	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#0	21.37	26.37	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#12	21.43	26.43	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	21.48	26.48	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.38	26.38	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.18	27.18	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.15	27.15	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.23	27.23	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	21.39	26.39	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#12	21.34	26.34	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	21.36	26.36	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.32	26.32	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.46	28.46	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.40	28.40	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.32	28.32	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	22.49	27.49	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	22.40	27.40	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	22.44	27.44	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.53	27.53	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.44	28.44	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.47	28.47	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.27	28.27	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	22.56	27.56	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#18	22.51	27.51	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	22.45	27.45	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.45	27.45	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.14	28.14	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.43	28.43	33.00	PASS



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Band25	15MHz	QPSK	26615	1RB#74	23.15	28.15	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	22.47	27.47	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	22.44	27.44	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	22.32	27.32	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.42	27.42	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.28	27.28	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.06	27.06	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.07	27.07	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#0	21.42	26.42	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	21.38	26.38	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	21.42	26.42	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.60	26.60	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.20	27.20	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.13	27.13	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.14	27.14	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	21.53	26.53	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	21.38	26.38	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	21.39	26.39	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.33	26.33	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.15	27.15	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.06	27.06	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.10	27.10	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	21.35	26.35	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	21.44	26.44	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	21.25	26.25	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.30	26.30	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.48	28.48	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.51	28.51	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.20	28.20	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	22.46	27.46	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	22.49	27.49	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.44	27.44	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.45	27.45	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.45	28.45	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.55	28.55	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.19	28.19	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	22.55	27.55	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	22.47	27.47	33.00	PASS



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Band25	20MHz	QPSK	26365	50RB#50	22.41	27.41	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.43	27.43	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.42	28.42	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.48	28.48	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.25	28.25	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	22.47	27.47	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	22.44	27.44	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	22.32	27.32	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.43	27.43	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.32	27.32	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.18	27.18	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.14	27.14	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	21.28	26.28	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	21.39	26.39	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	21.49	26.49	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.55	26.55	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.33	27.33	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.27	27.27	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.05	27.05	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	21.45	26.45	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	21.43	26.43	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	21.27	26.27	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.40	26.40	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.13	27.13	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.15	27.15	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.15	27.15	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	21.44	26.44	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	21.37	26.37	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	21.41	26.41	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.25	26.25	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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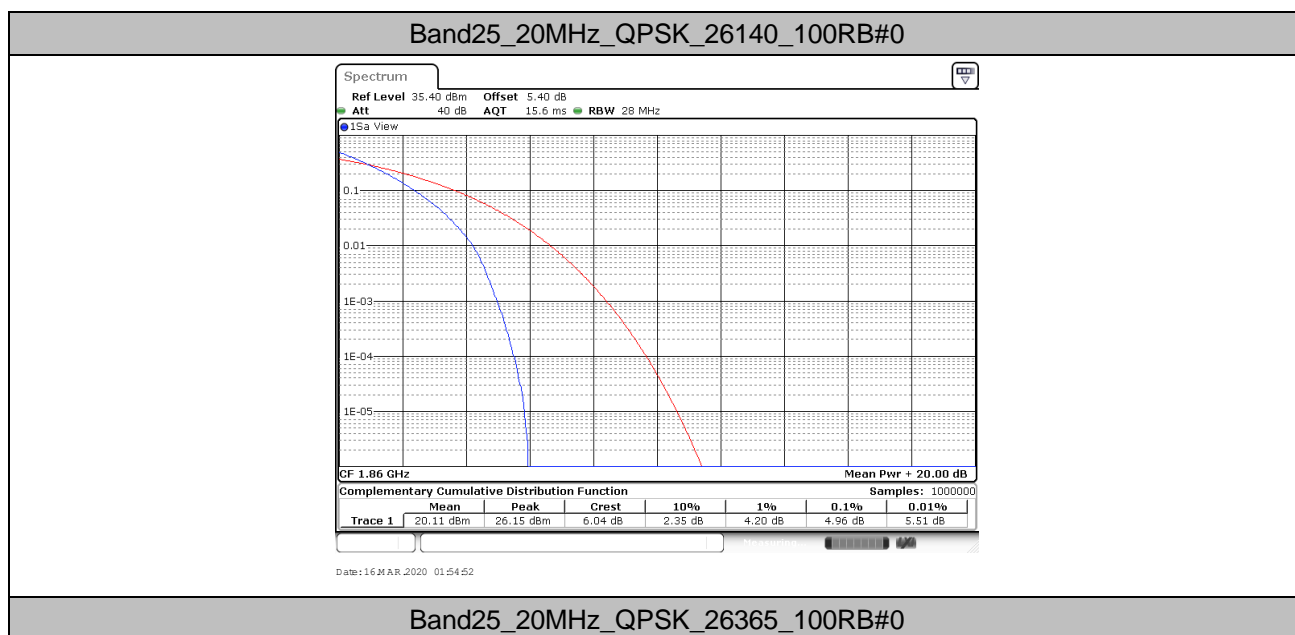
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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	4.96	13.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.99	13.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.96	13.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.88	13.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.91	13.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.88	13.00	PASS

2.2. Test Plots

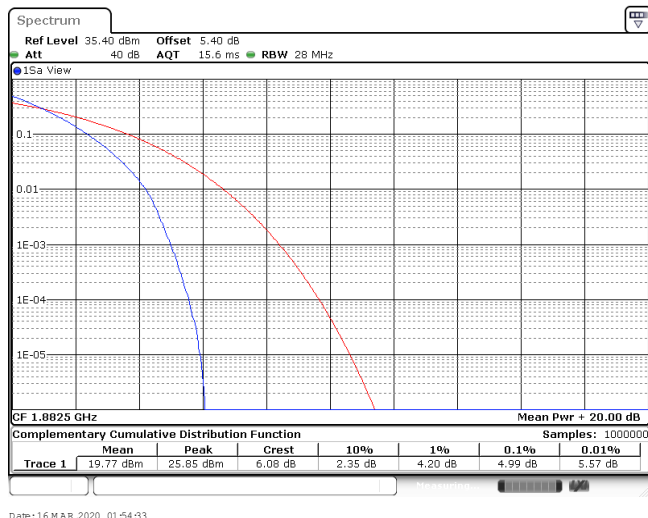


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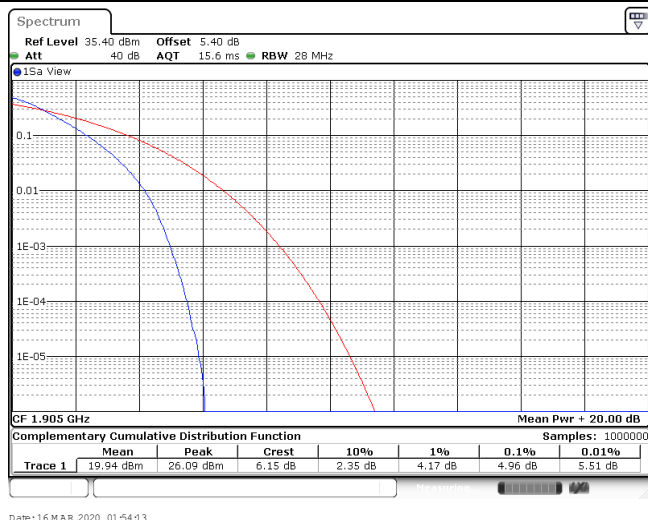
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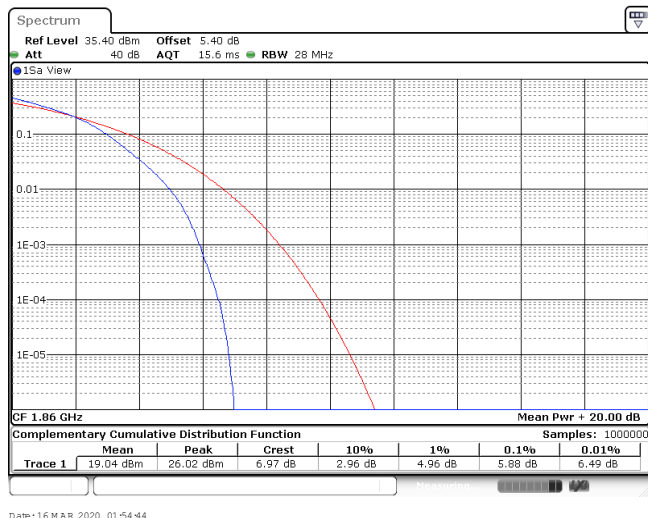


Band25_20MHz_QPSK_26590_100RB#0

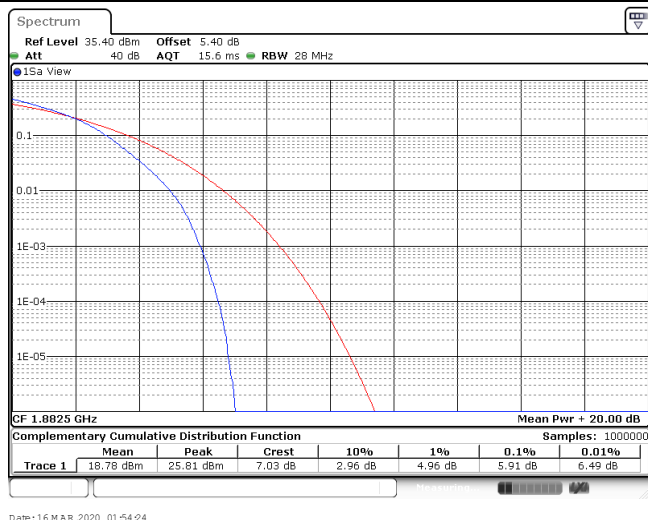


Band25_20MHz_16QAM_26140_100RB#0





Band25_20MHz_16QAM_26365_100RB#0

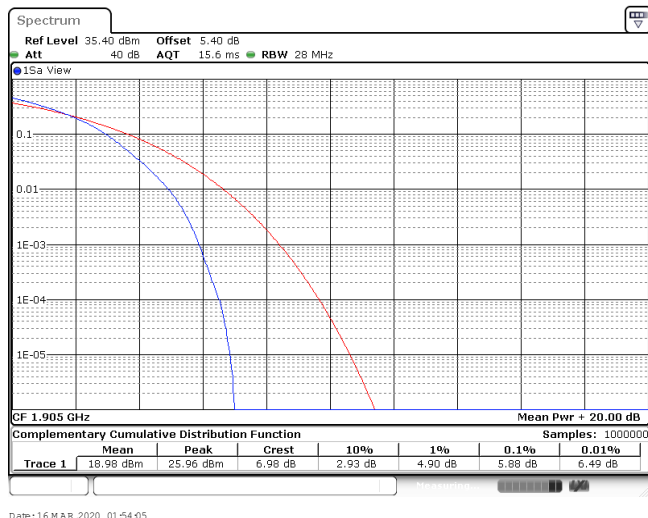


Band25_20MHz_16QAM_26590_100RB#0



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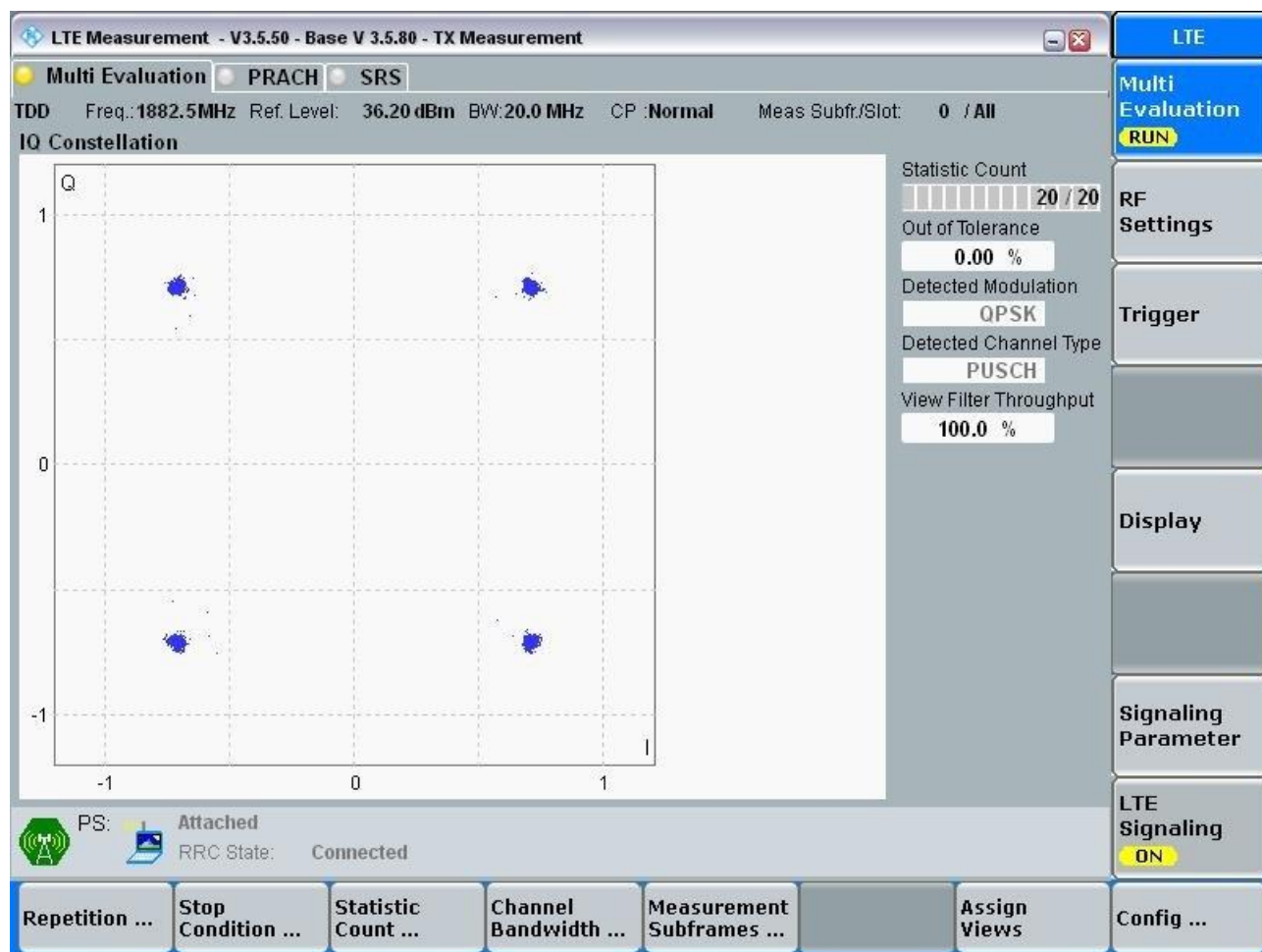
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3. Modulation Characteristics

3.1. Test Band = LTE Band 25

3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH

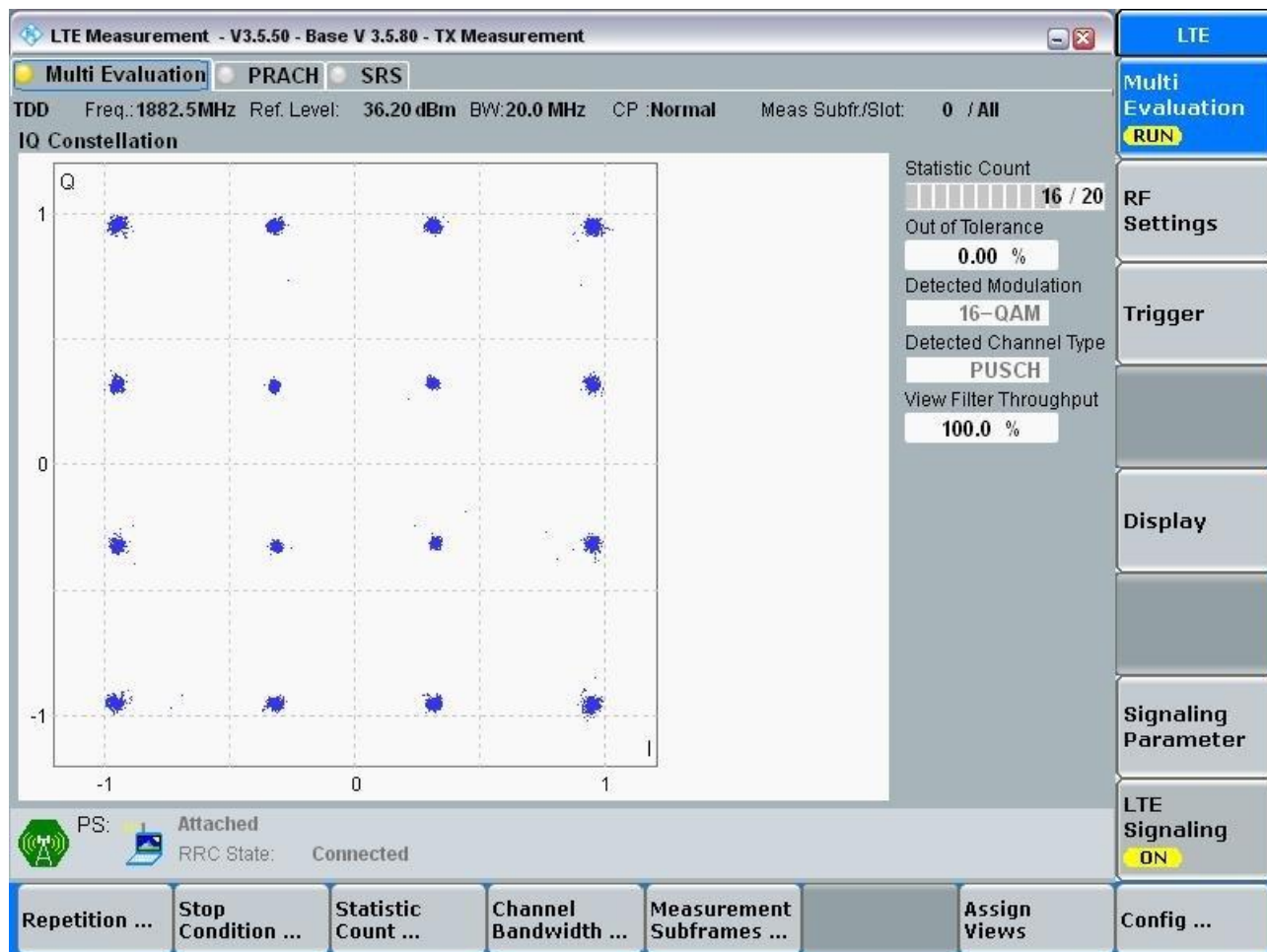


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3.3. Test Mode = LTE /TM2 20MHz

3.3.1. Test Channel = MCH





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	1.290	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.091	1.296	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.088	1.281	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.088	1.284	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.088	1.284	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	2.994	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.697	3.000	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	2.994	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.685	2.964	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.466	4.900	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.466	4.900	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.476	4.900	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.476	4.960	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.476	4.950	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	4.970	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.931	9.660	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.911	9.700	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.911	9.720	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.911	9.780	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.911	9.760	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.911	9.800	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.397	14.730	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.397	14.700	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.427	14.700	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.397	14.760	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.427	14.730	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.427	14.760	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.862	19.320	PASS

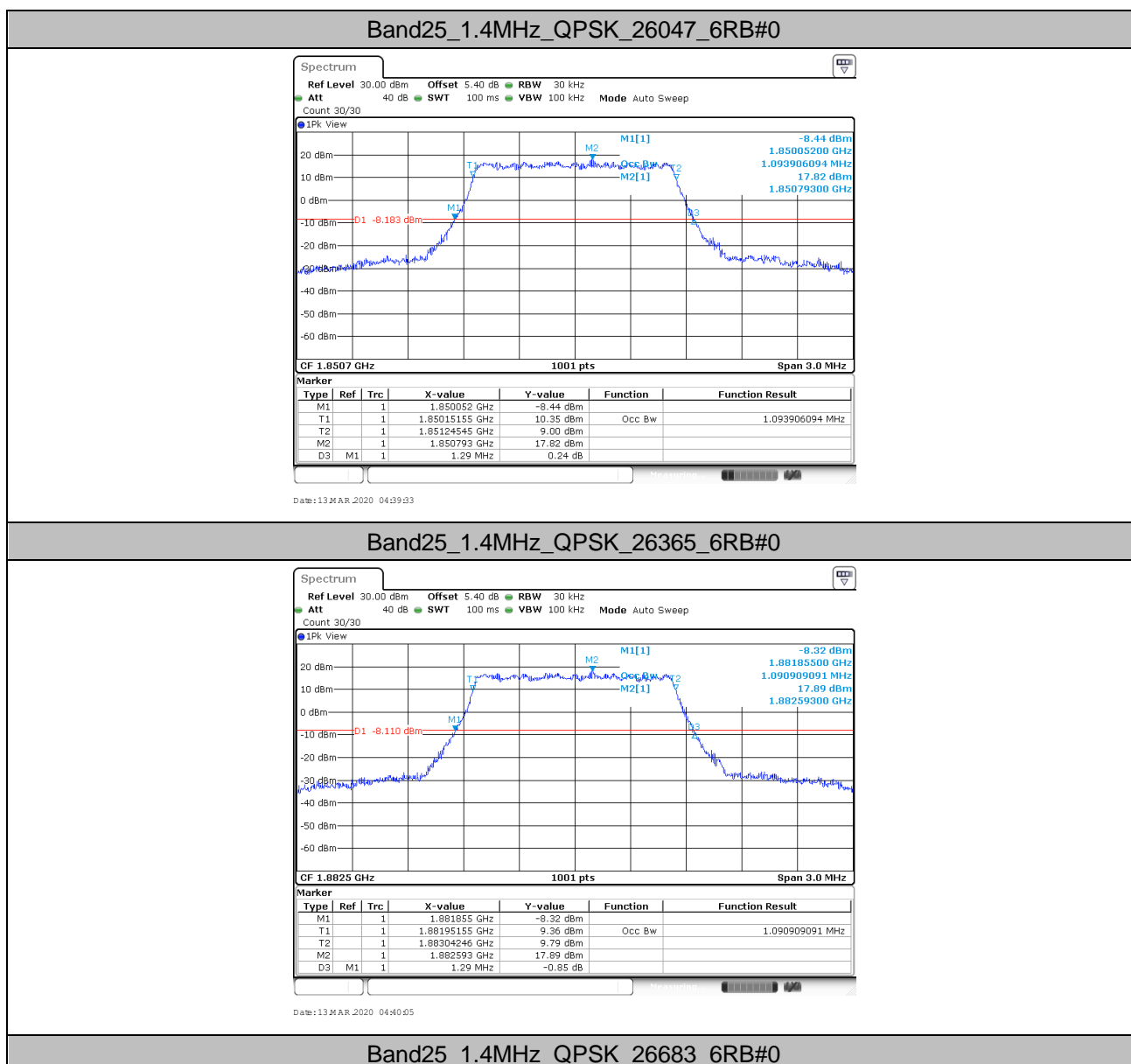


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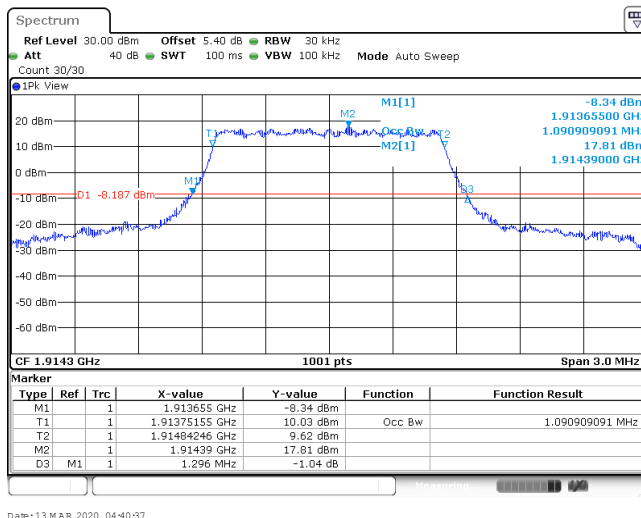
Band25	20MHz	QPSK	26365	100RB#0	17.862	19.320	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.822	19.400	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.822	19.360	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.862	19.400	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.862	19.440	PASS

4.2. Test Plots

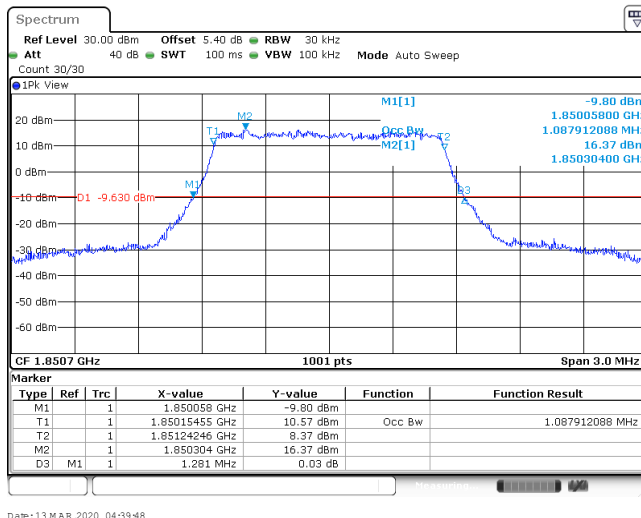


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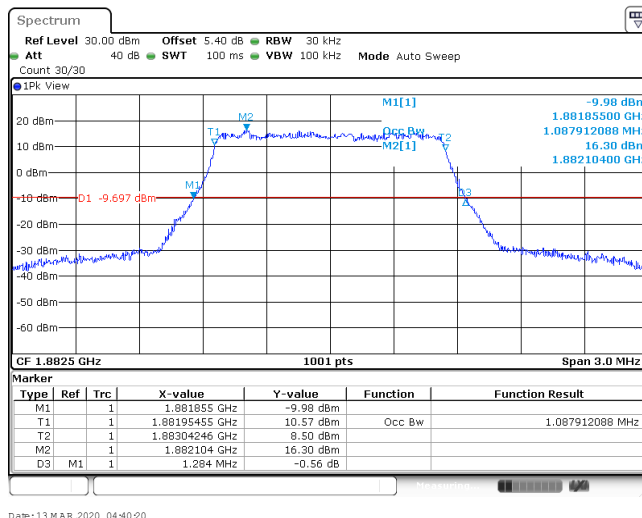


Band25_1.4MHz_16QAM_26047_6RB#0

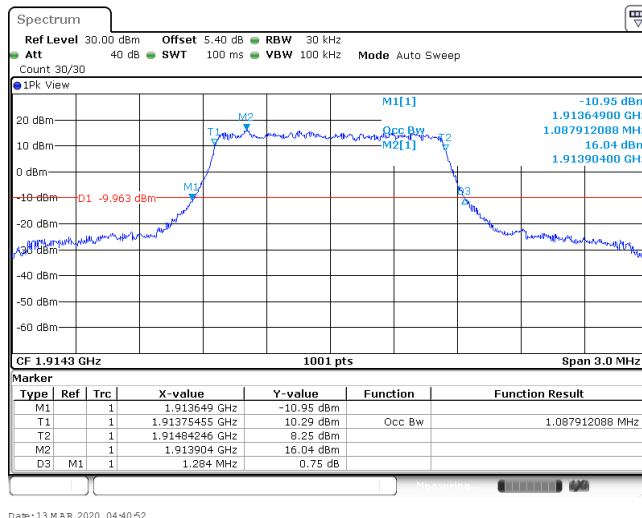


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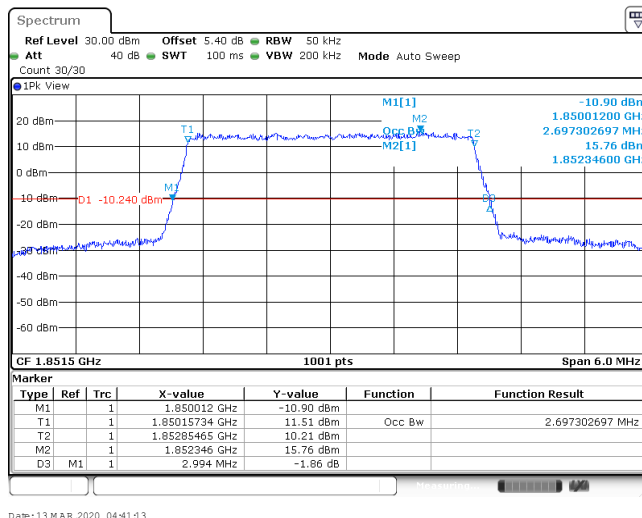


Band25_1.4MHz_16QAM_26683_6RB#0

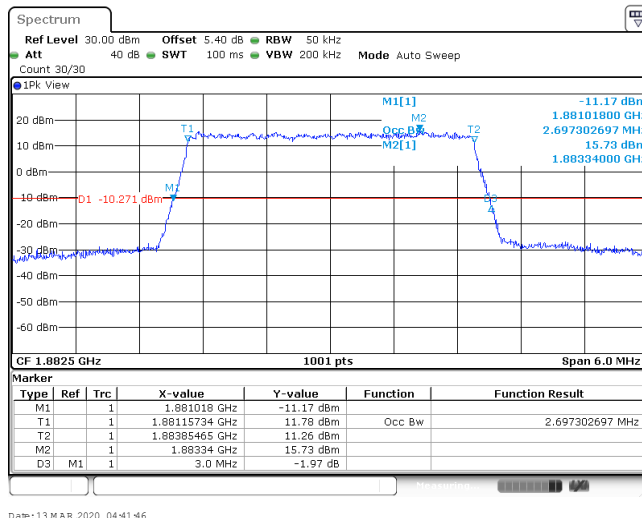


Band25_3MHz_QPSK_26055_15RB#0



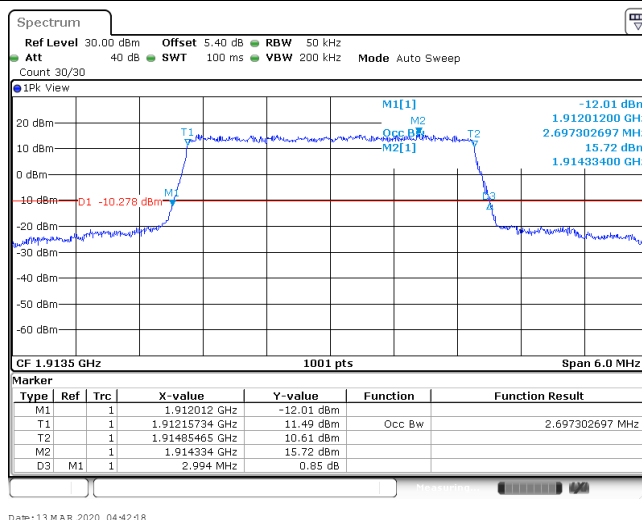


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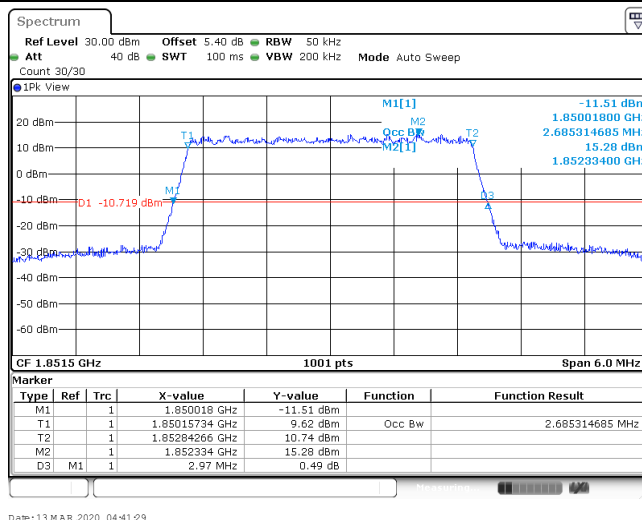


Band25_3MHz_QPSK_26675_15RB#0



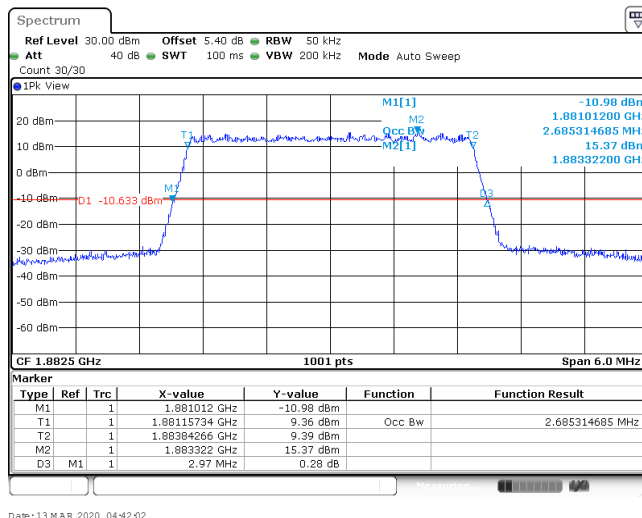


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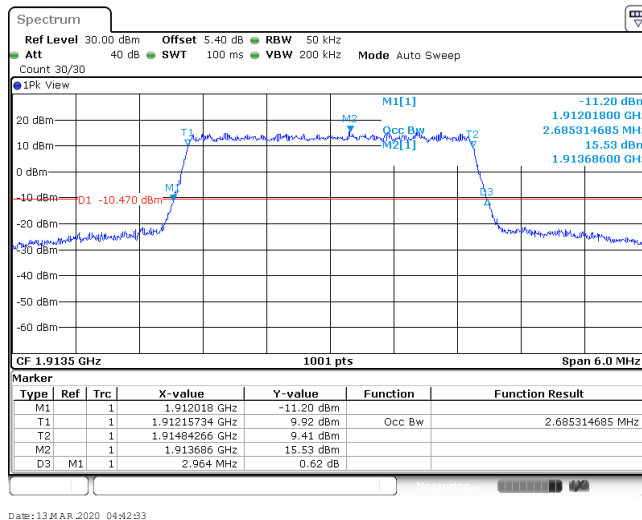


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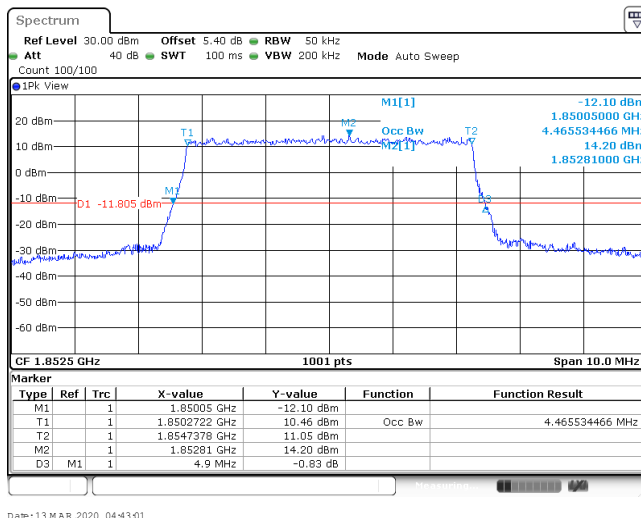


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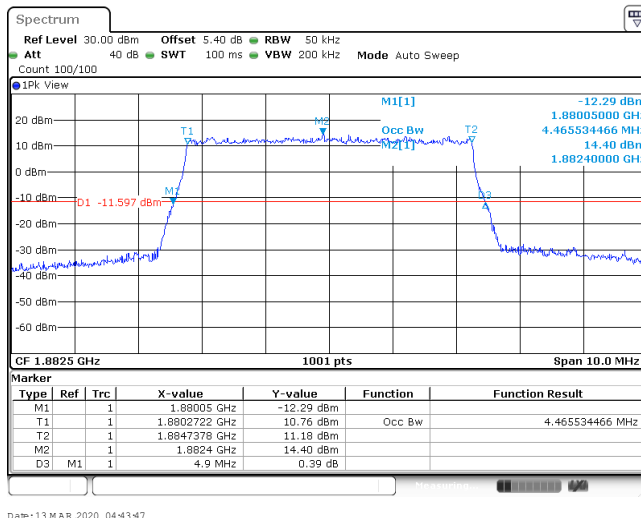
Band25_5MHz_QPSK_26065_25RB#0





Date: 13 MAR 2020 04:43:01

Band25_5MHz_QPSK_26365_25RB#0



Date: 13 MAR 2020 04:43:47

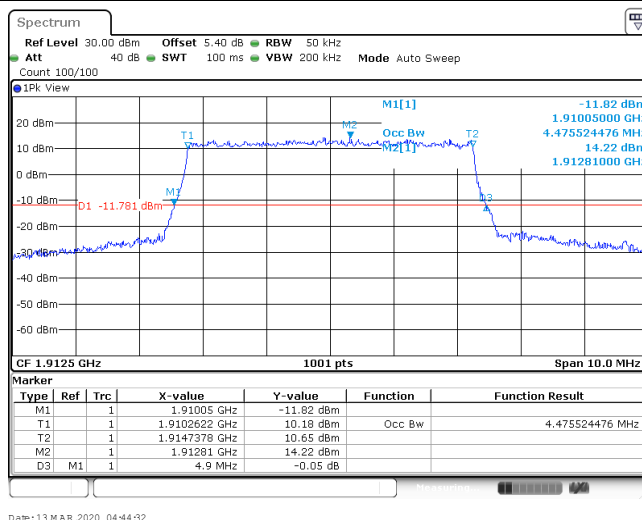
Band25_5MHz_QPSK_26665_25RB#0



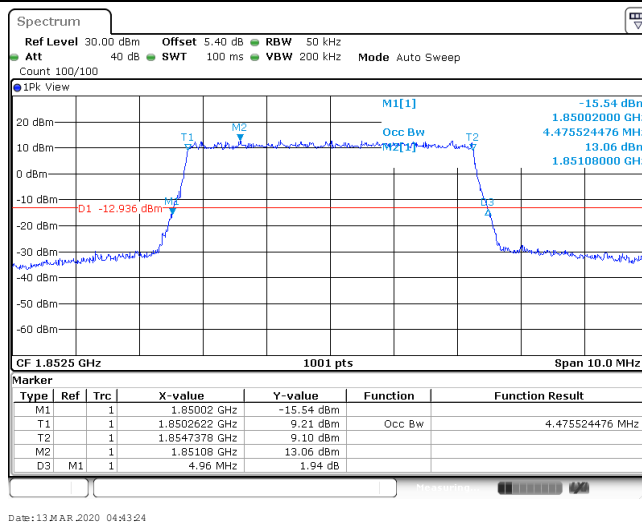
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Shenzhen Branch (CCC Laboratory)

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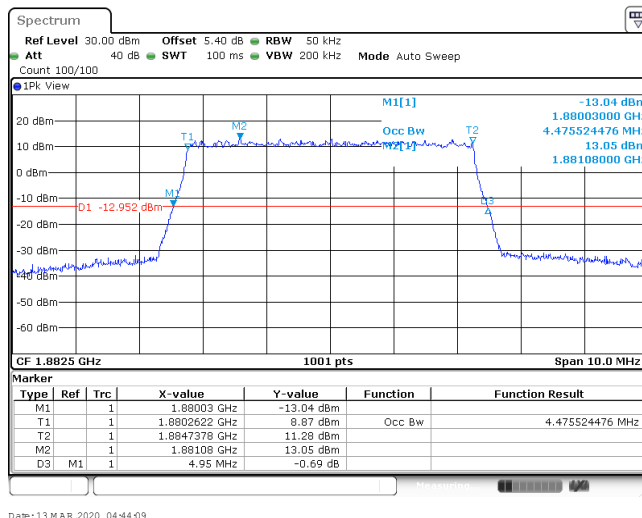


Band25_5MHz_16QAM_26065_25RB#0

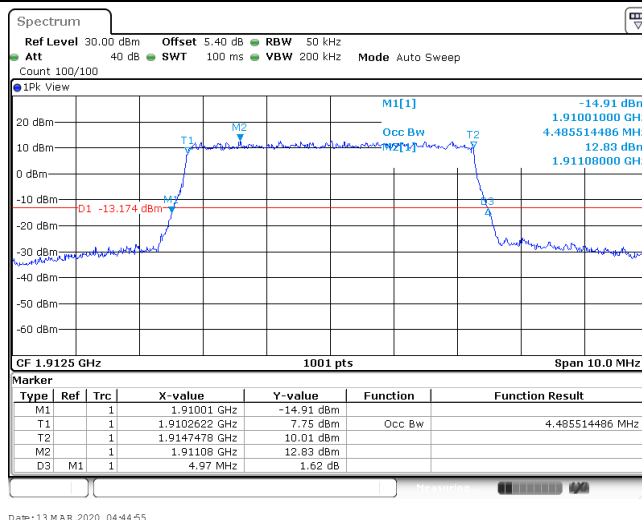


Band25_5MHz_16QAM_26365_25RB#0



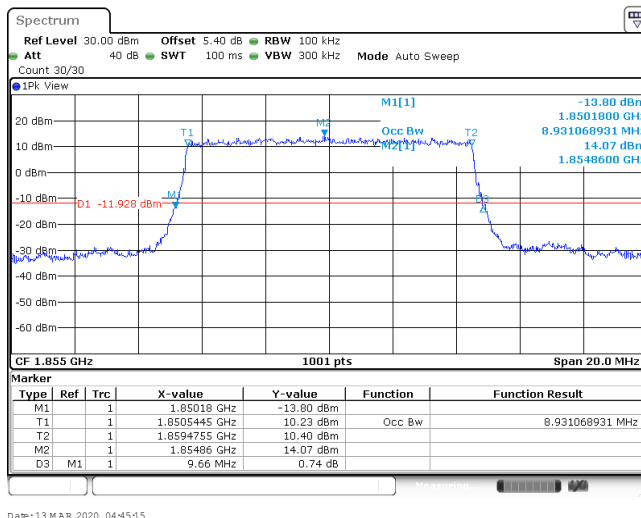


Band25_5MHz_16QAM_26665_25RB#0

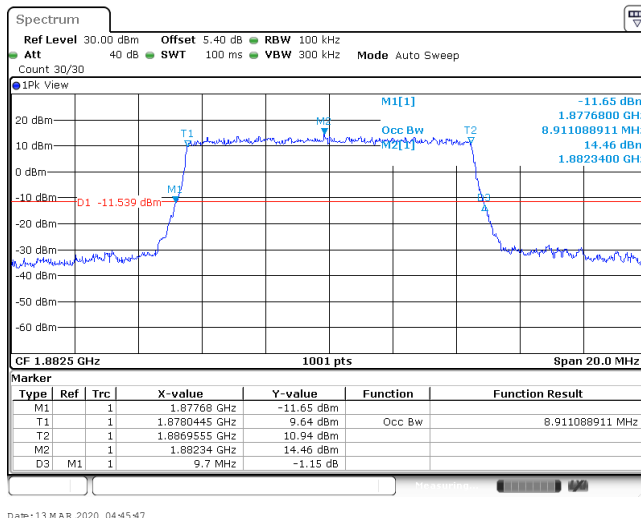


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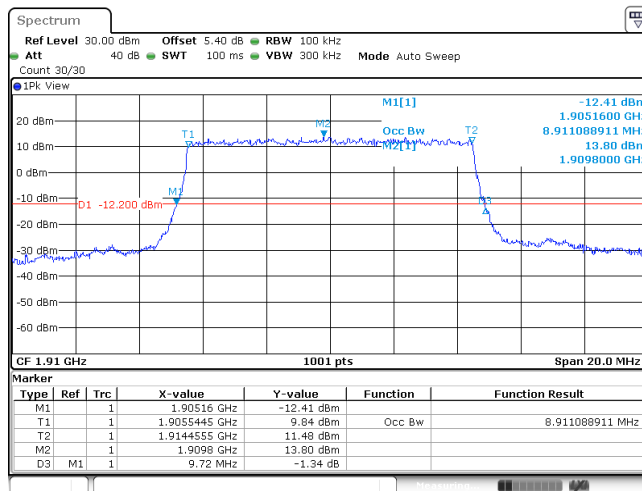


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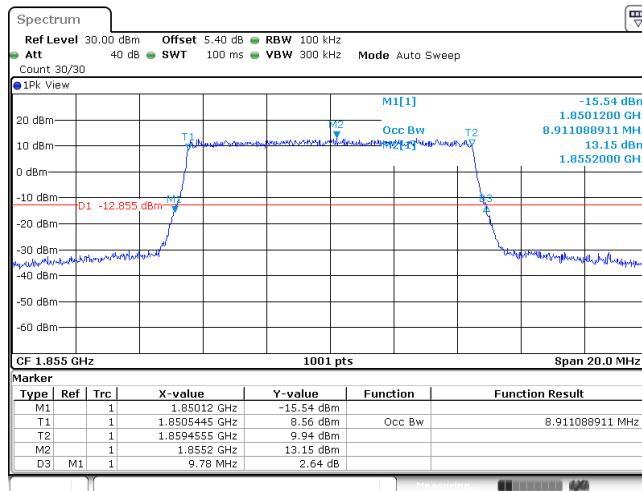
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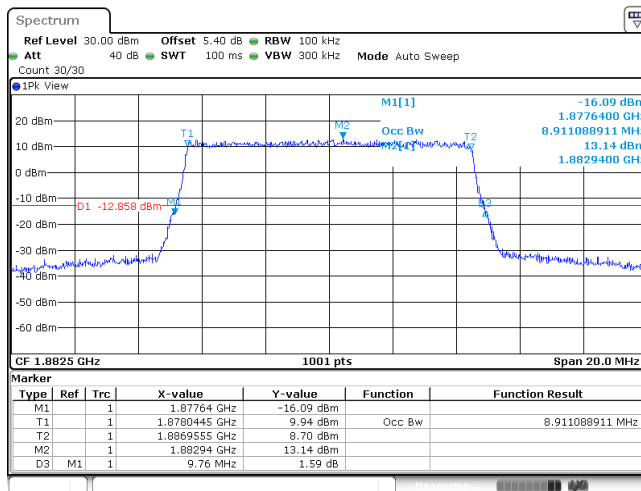
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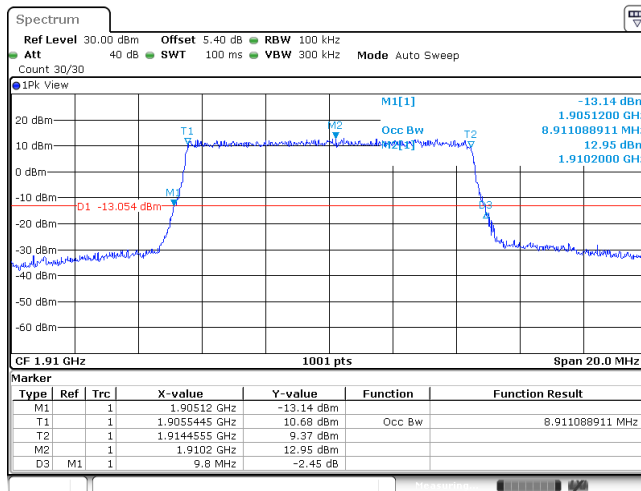
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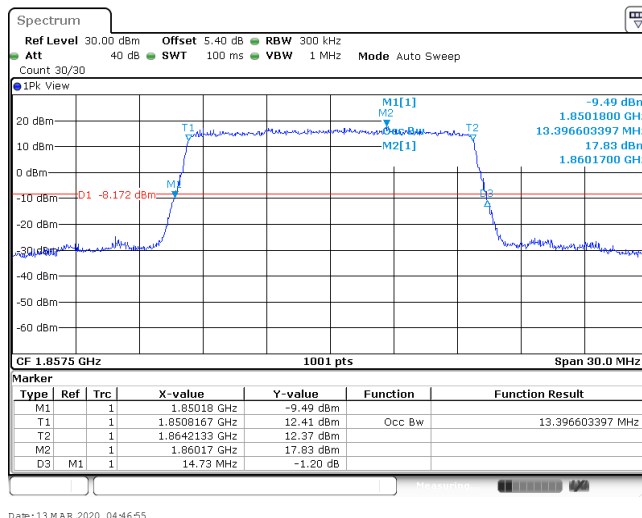
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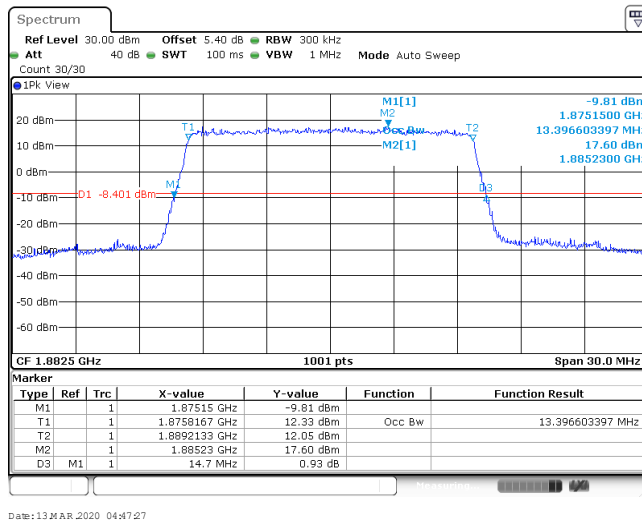
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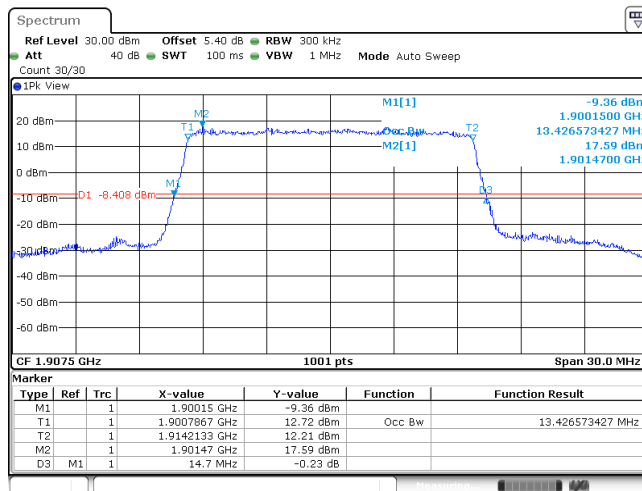


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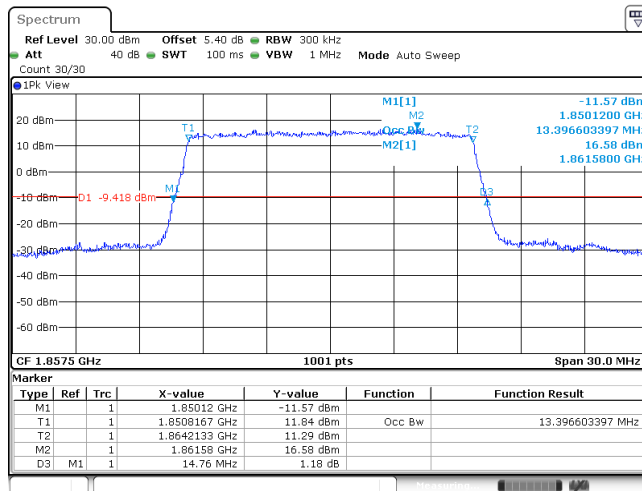
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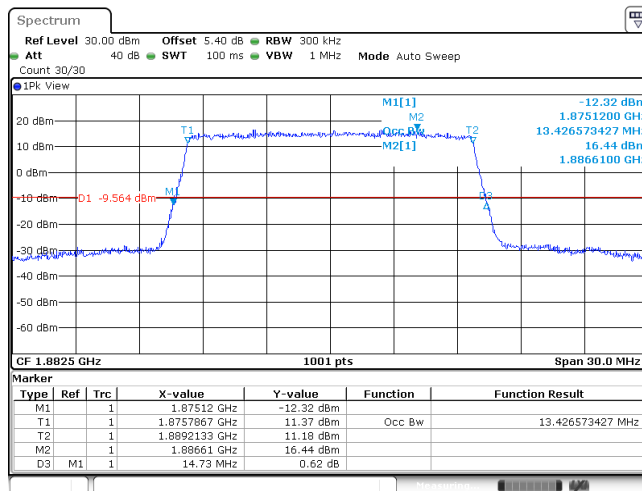
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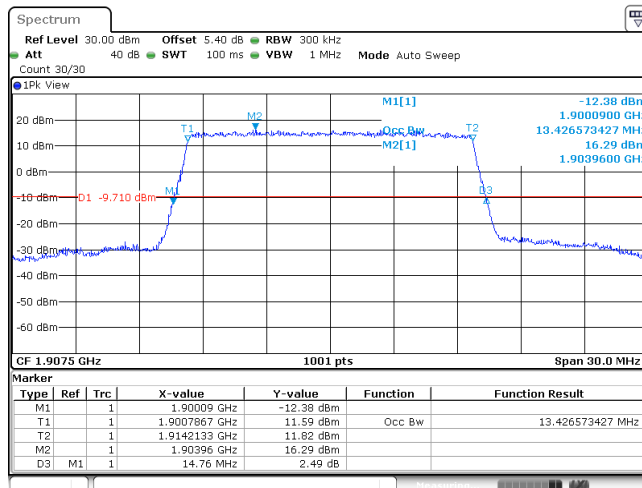
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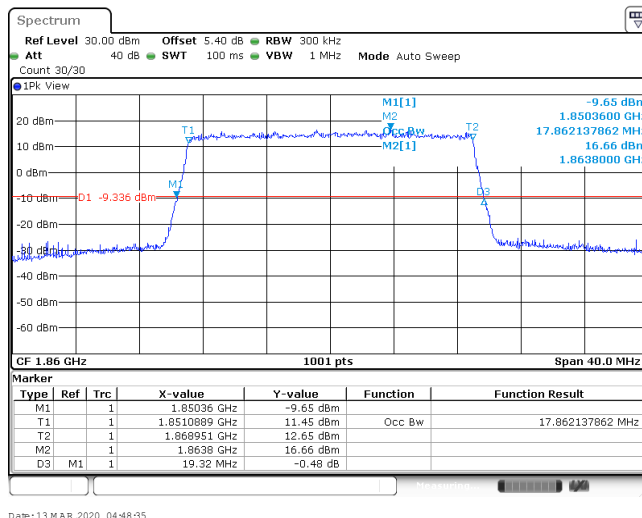
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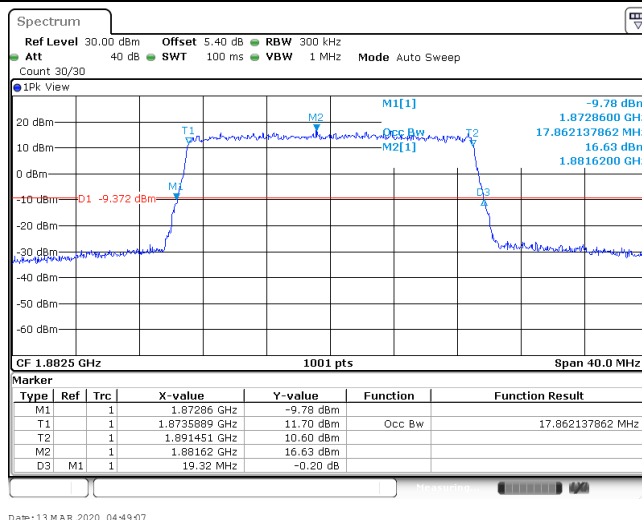
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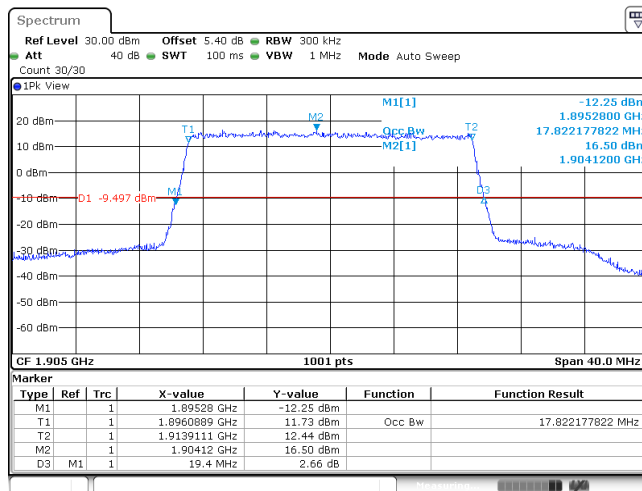


Band25_20MHz_QPSK_26365_100RB#0



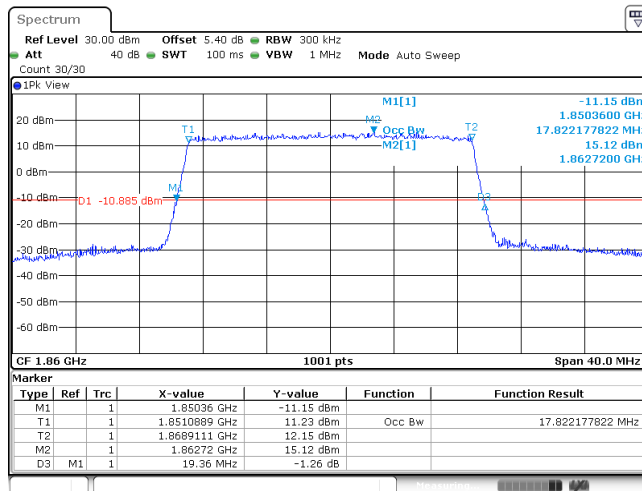
Band25_20MHz_QPSK_26590_100RB#0





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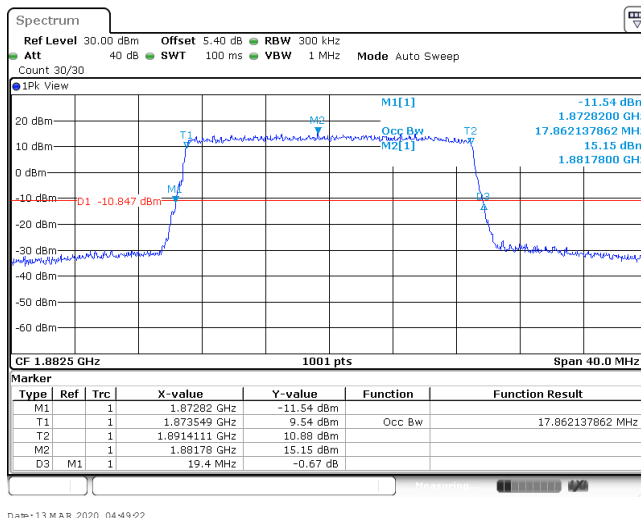
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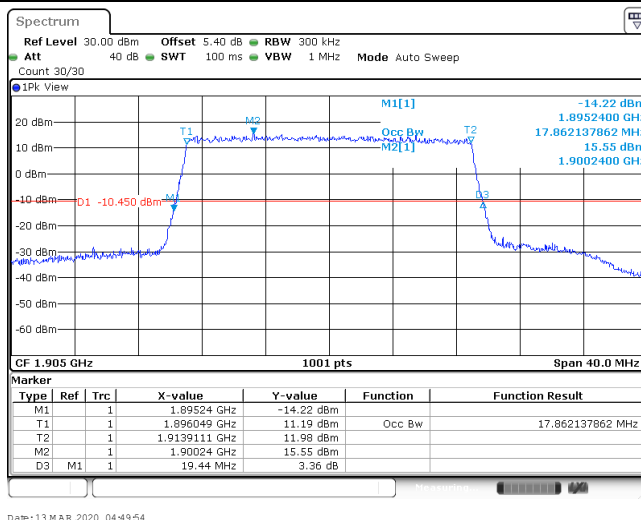
Date: 13 MAR 2020 04:48:51

Band25_20MHz_16QAM_26365_100RB#0





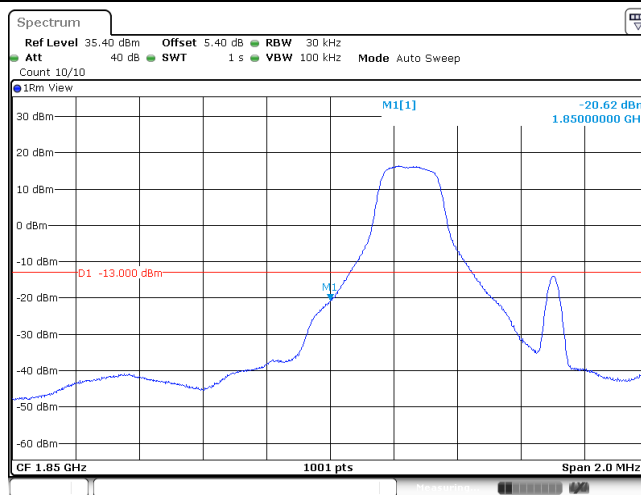
Band25_20MHz_16QAM_26590_100RB#0



5. Band Edge Compliance

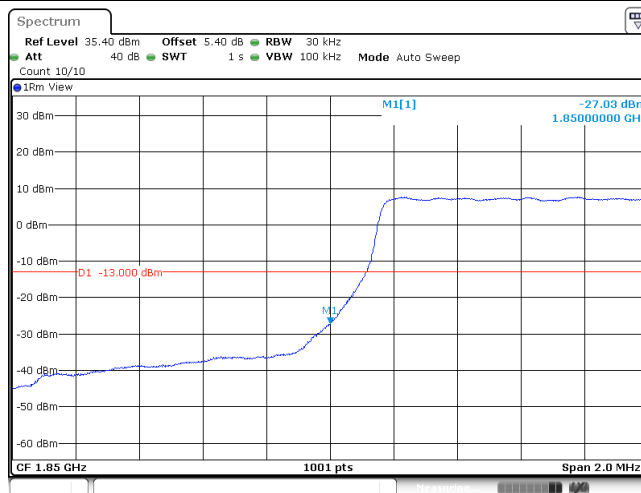
5.1. Test Plots

Band25_1.4MHz_QPSK_26047_1RB#0



Date: 13 MAR 2020 04:50:22

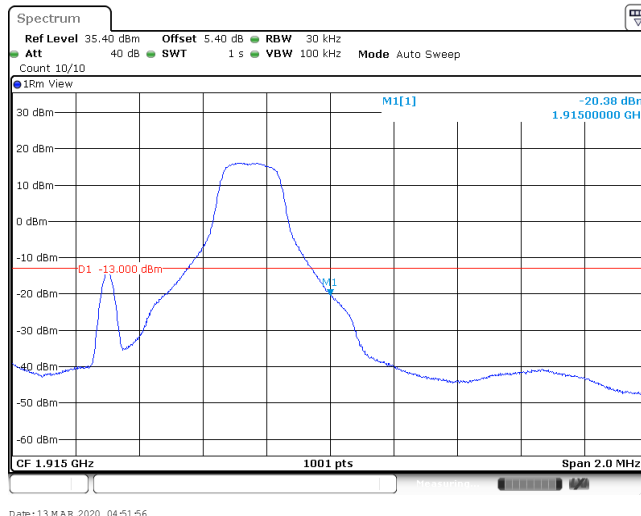
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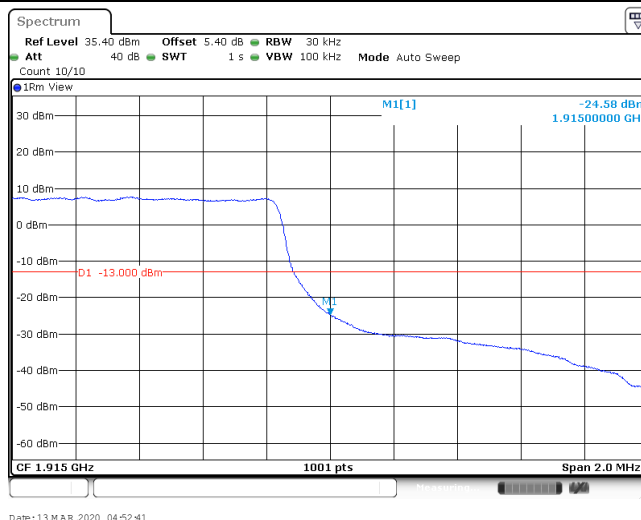
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Date: 13 MAR 2020 04:51:56

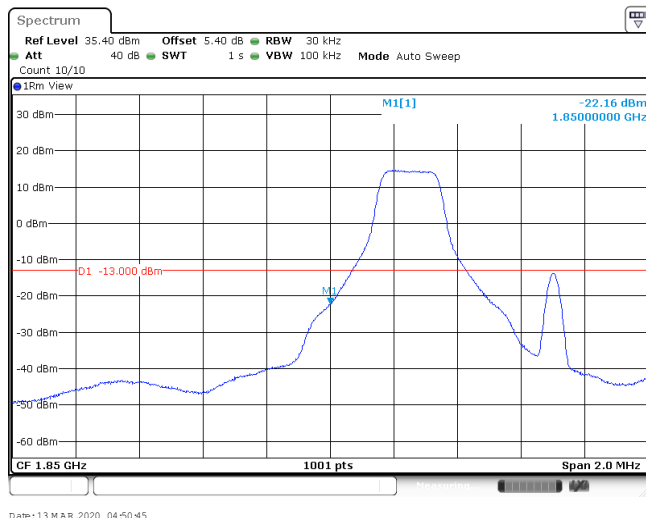
Band25_1.4MHz_QPSK_26683_6RB#0



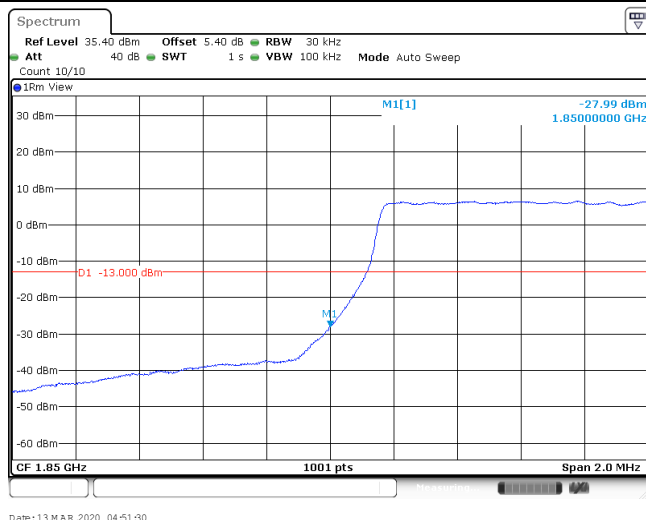
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Band25_1.4MHz_16QAM_26047_1RB#0



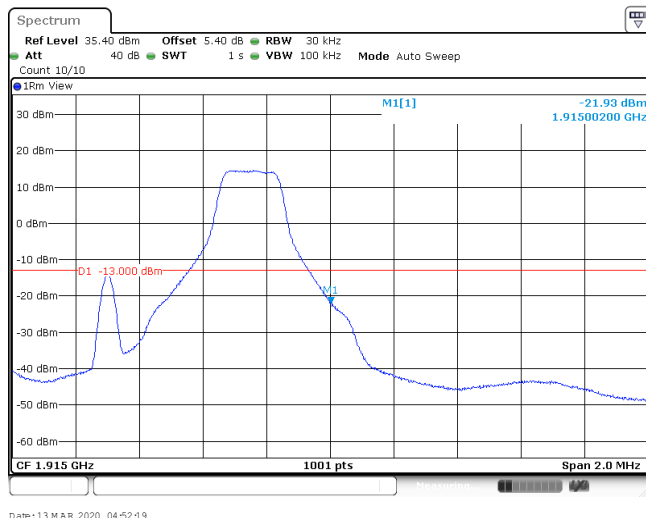


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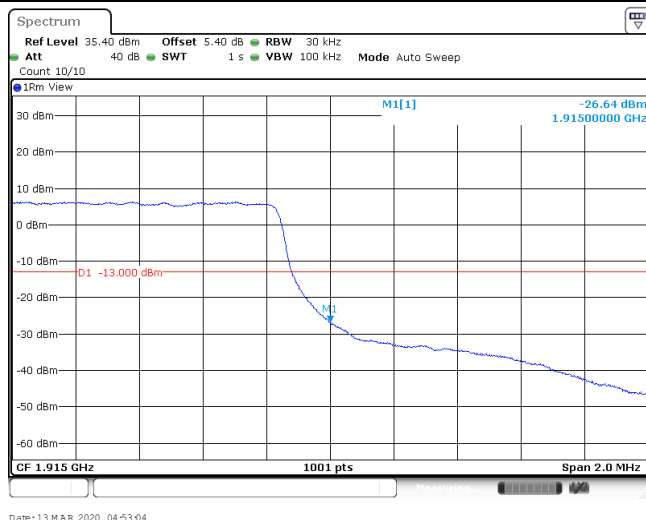


Band25_1.4MHz_16QAM_26683_1RB#5





Band25_1.4MHz_16QAM_26683_6RB#0



Band25_3MHz_QPSK_26055_1RB#0

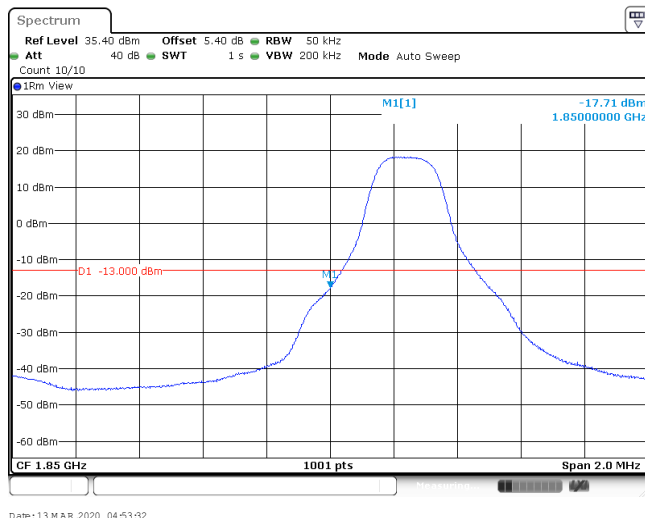


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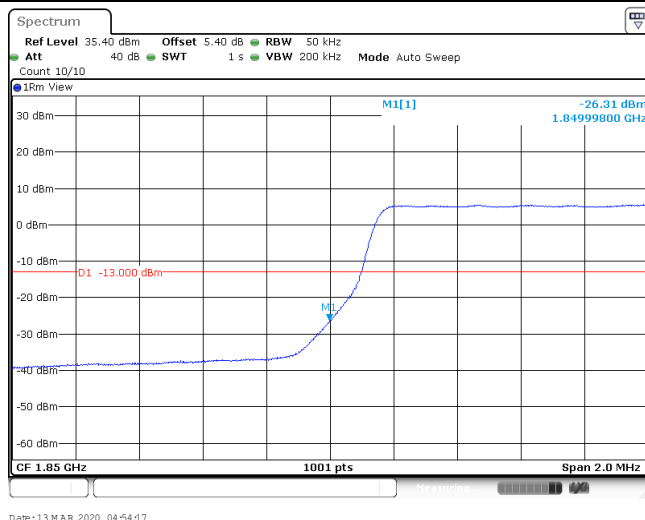
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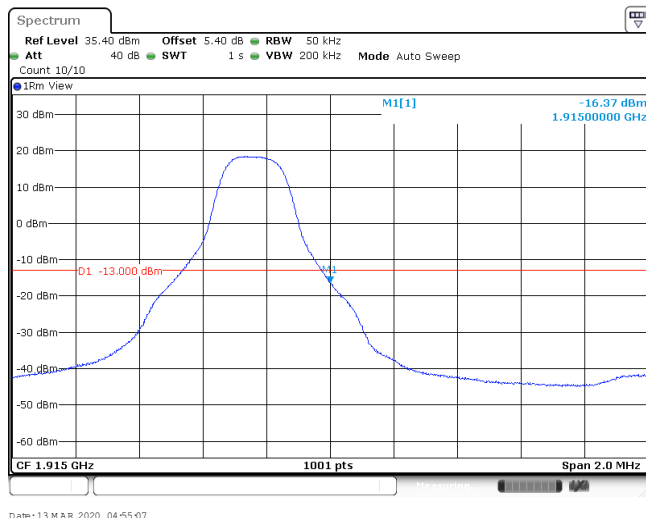


Band25_3MHz_QPSK_26055_15RB#0

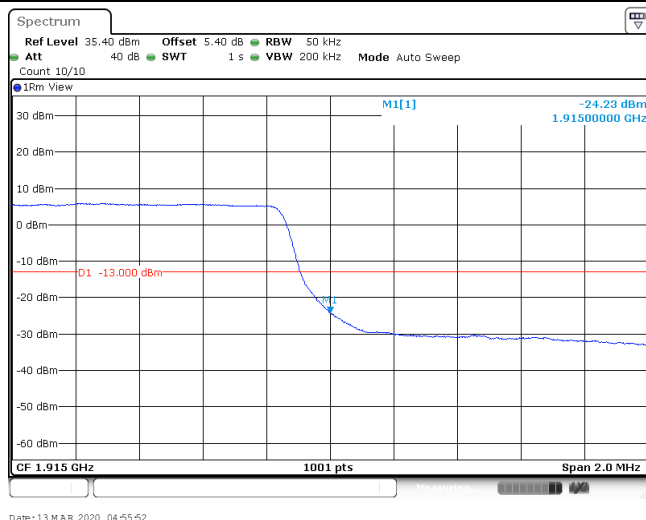


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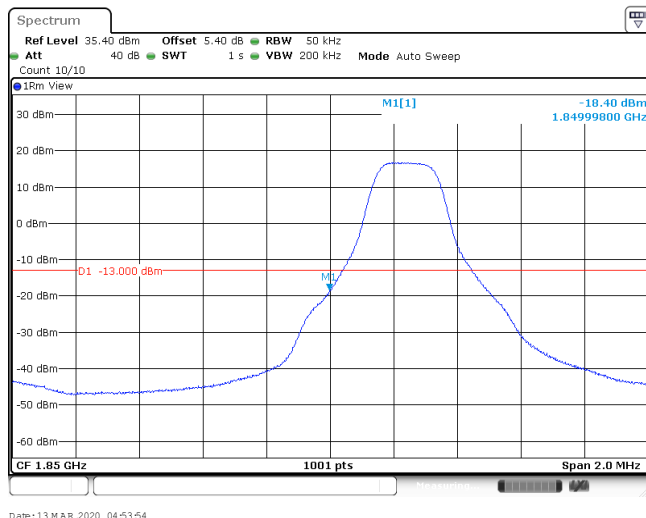


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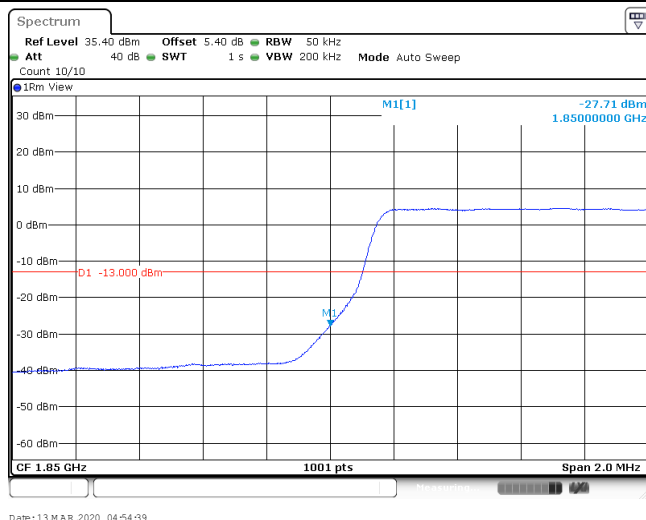


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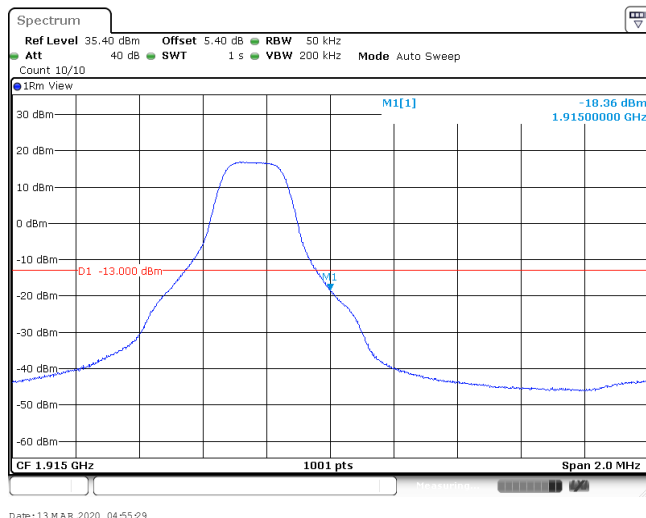


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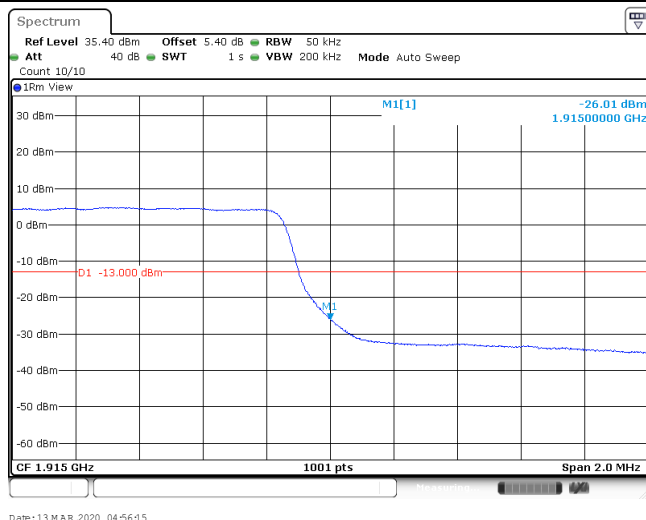


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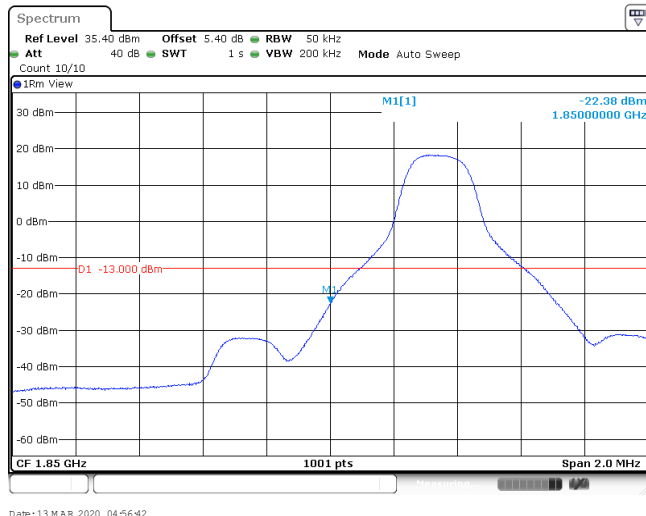


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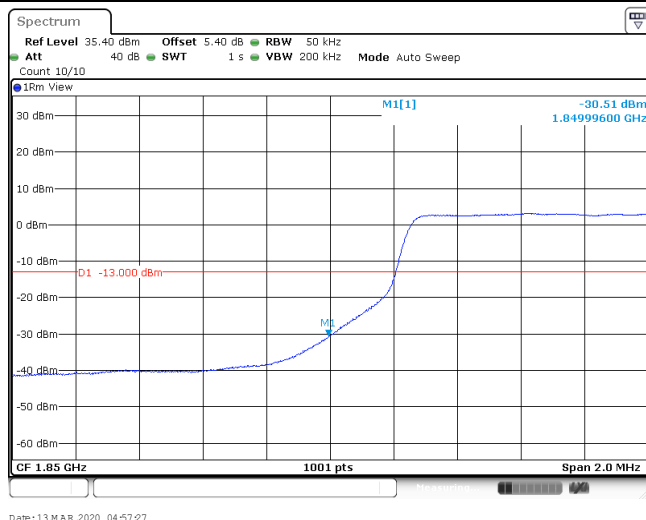
Band25_5MHz_QPSK_26065_1RB#0





Date: 13 MAR 2020 04:56:42

Band25_5MHz_QPSK_26065_25RB#0



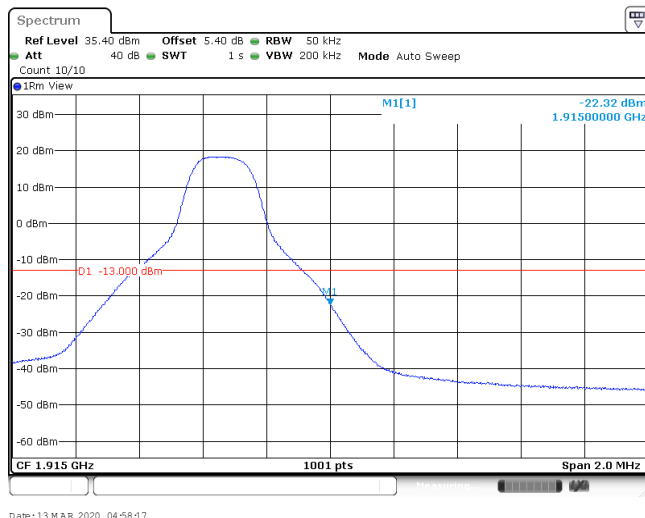
Date: 13 MAR 2020 04:57:27

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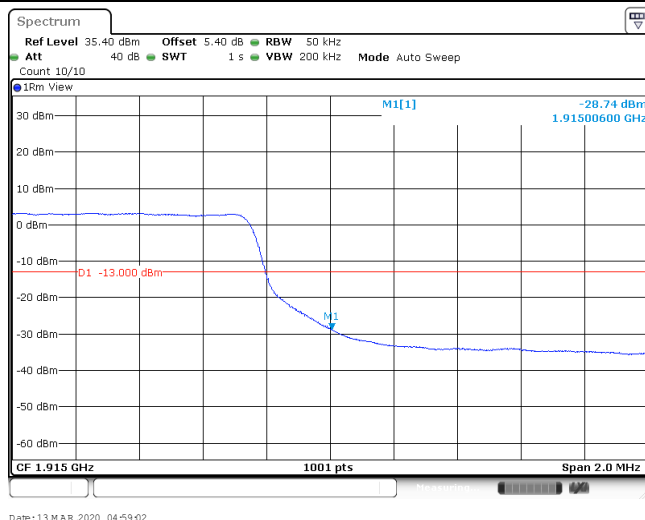


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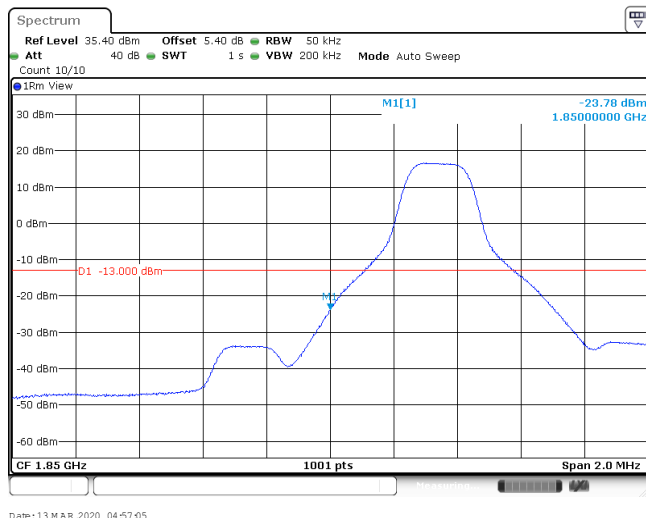


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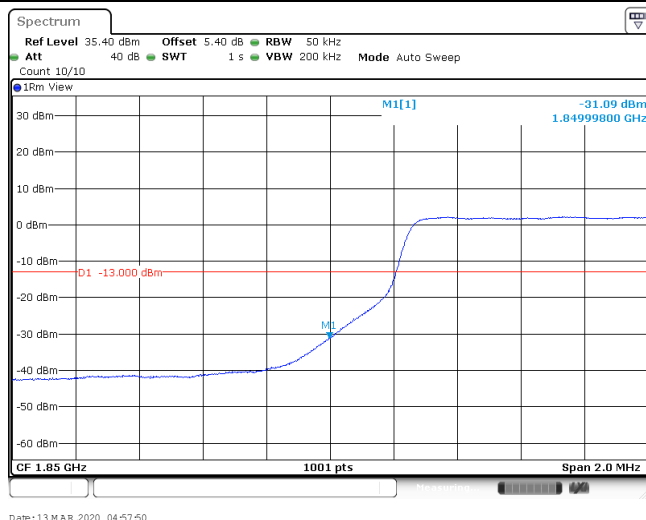


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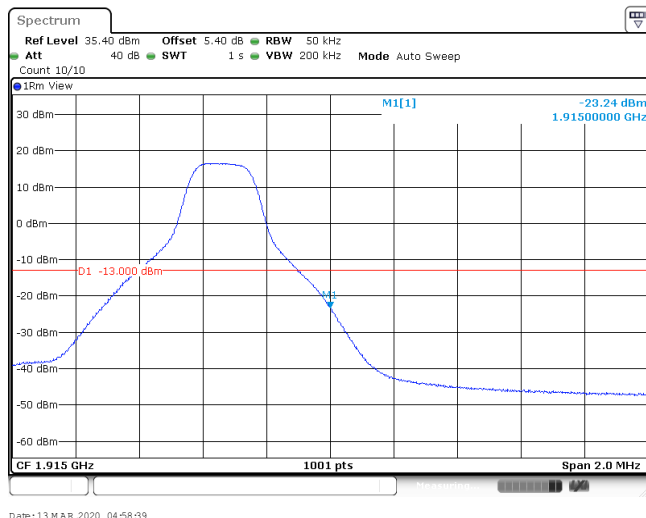


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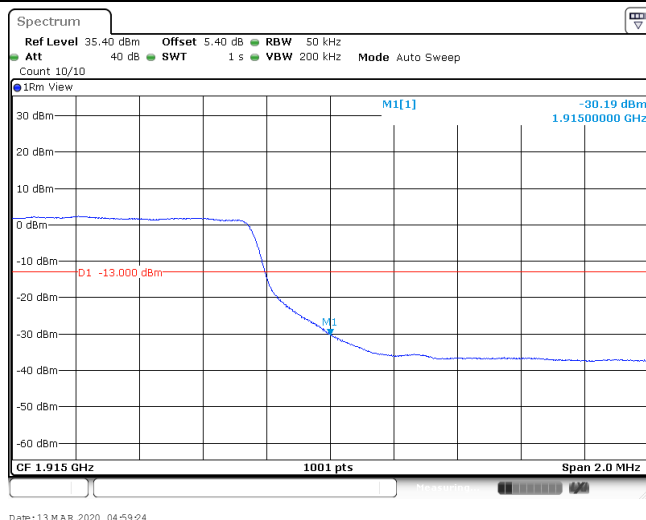


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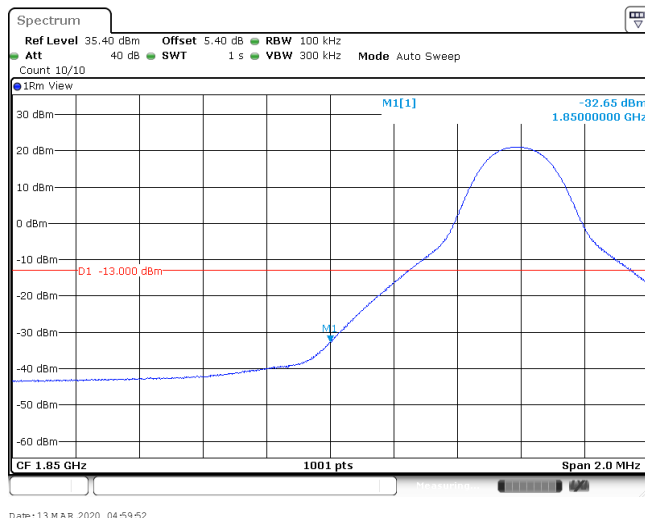


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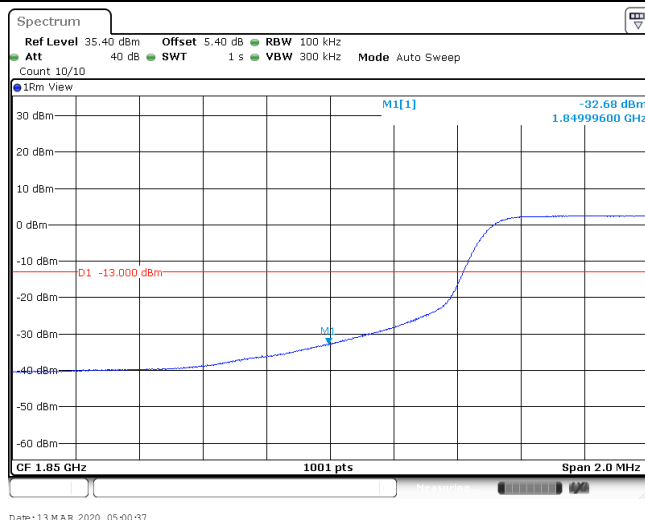


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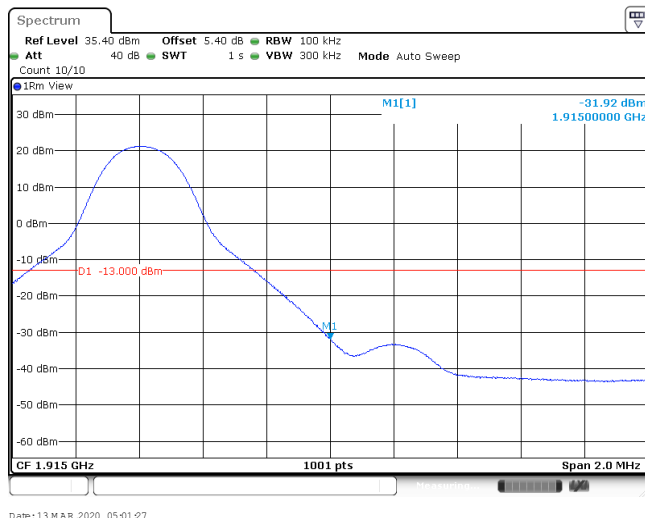


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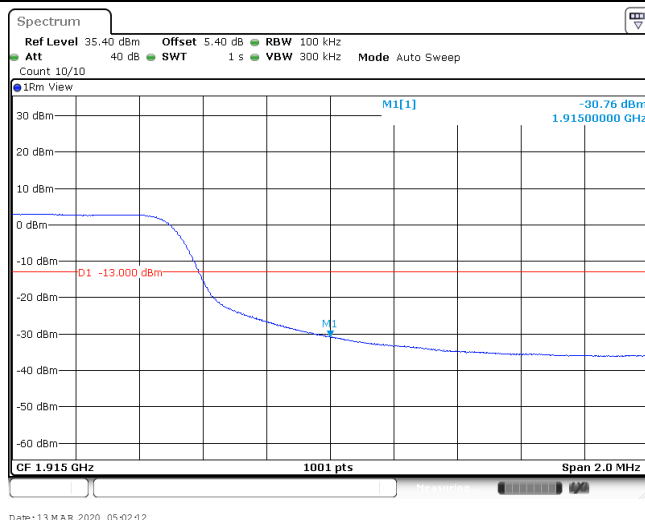


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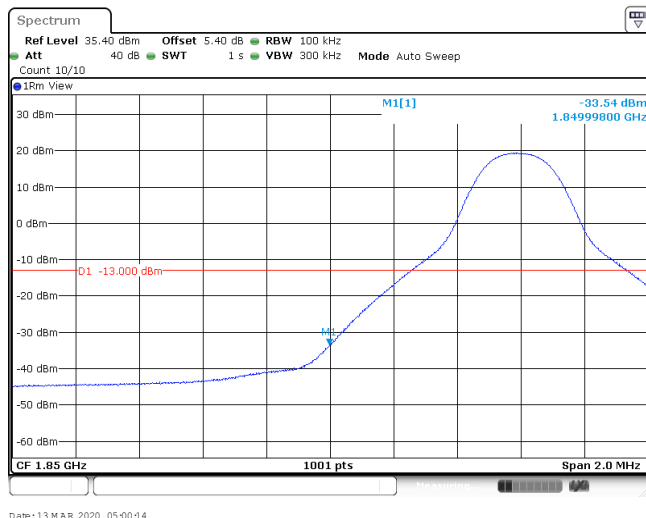


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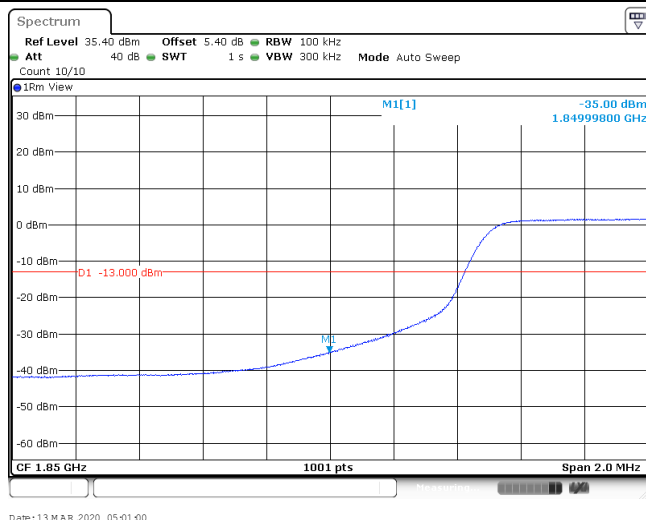
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Date: 13 MAR 2020 05:00:14

Band25_10MHz_16QAM_26090_50RB#0



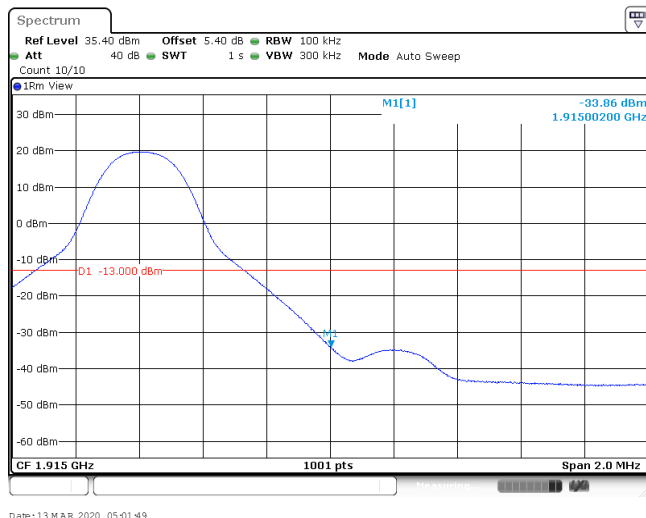
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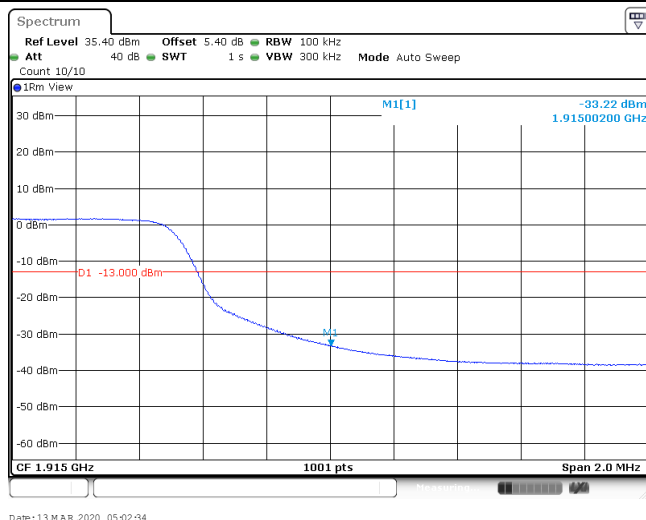


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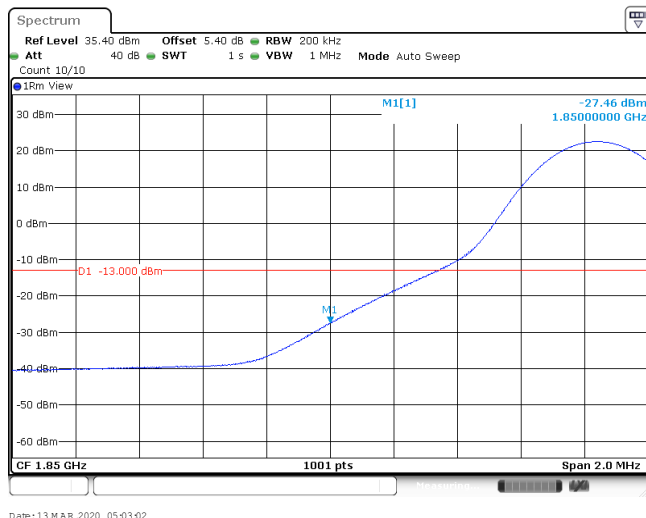
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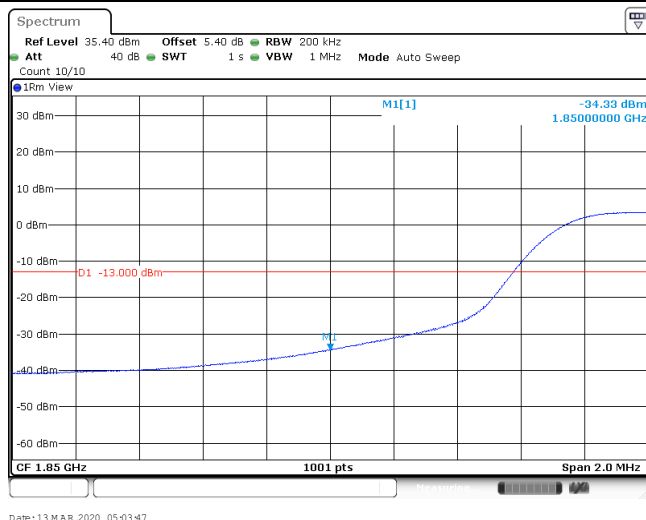
Band25_15MHz_QPSK_26115_1RB#0



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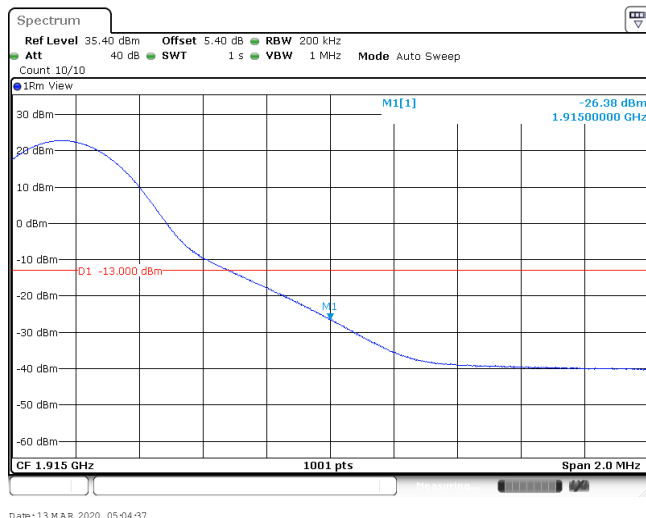


Band25_15MHz_QPSK_26115_75RB#0

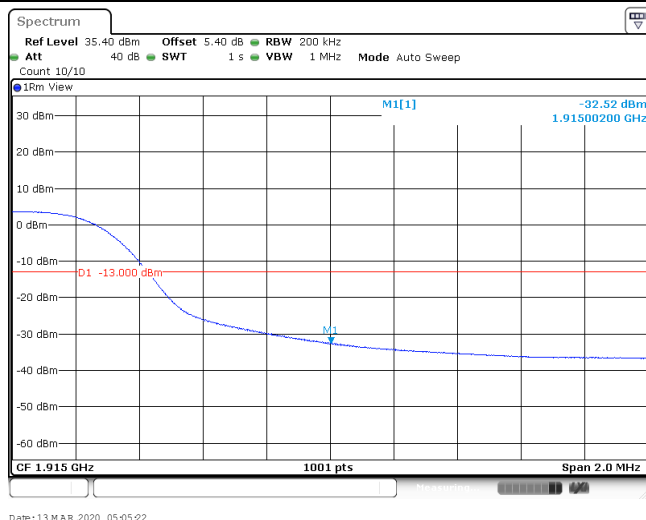


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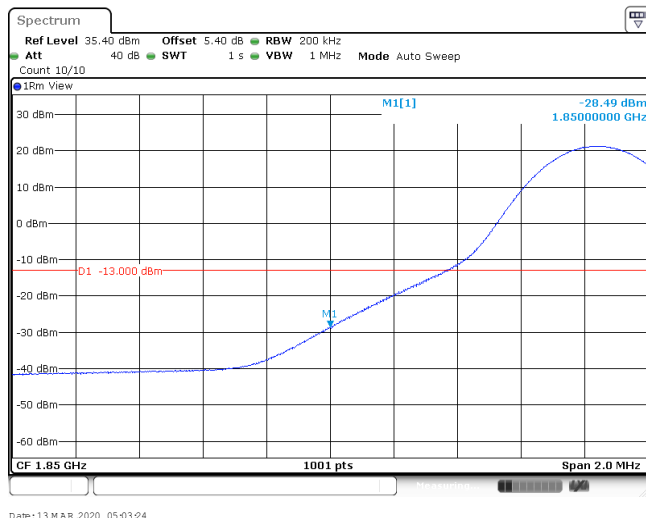


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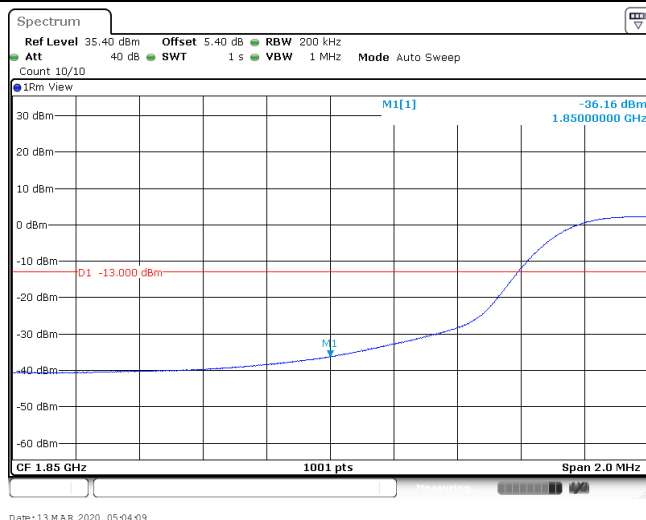


Band25_15MHz_16QAM_26115_1RB#0





Band25_15MHz_16QAM_26115_75RB#0



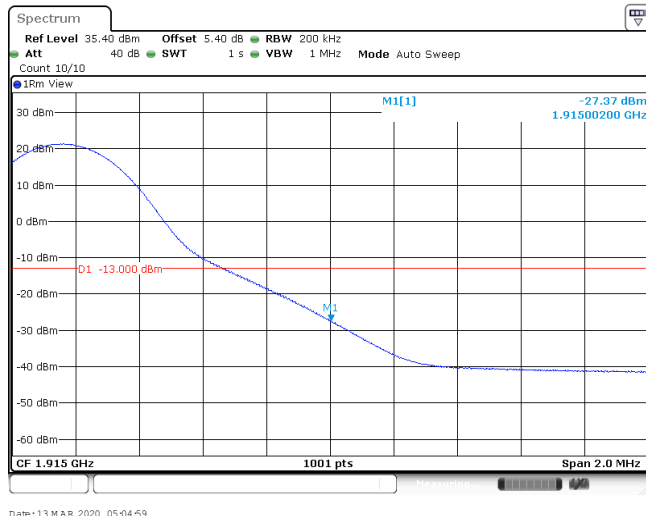
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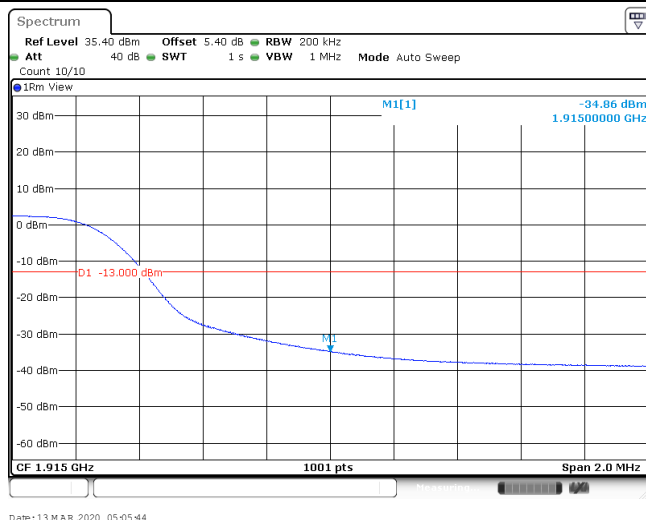
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Band25_15MHz_16QAM_26615_75RB#0



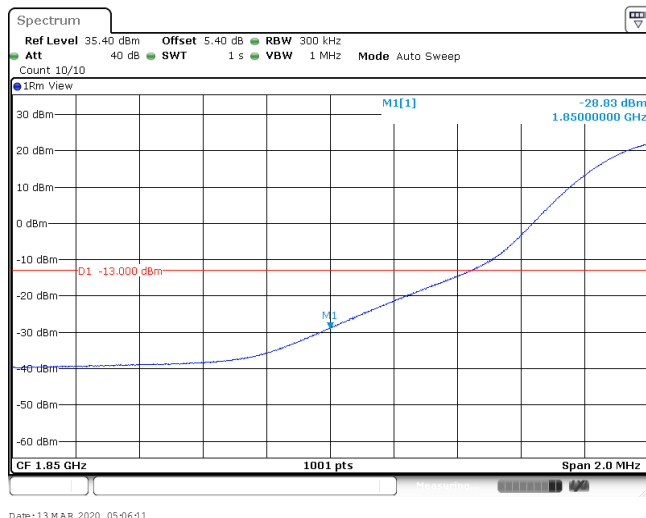
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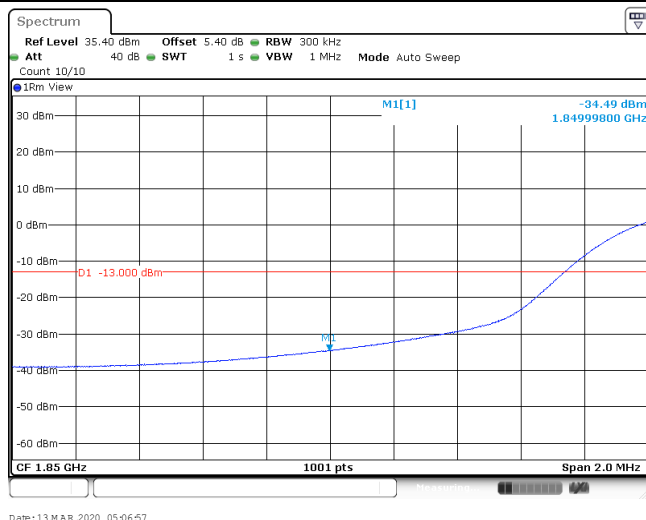
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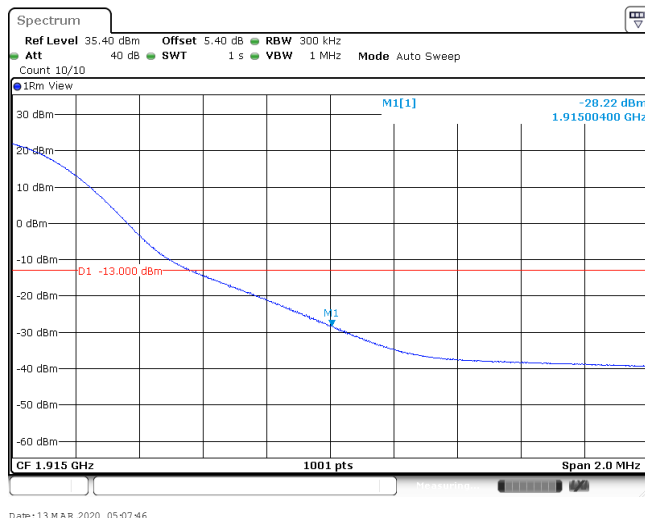


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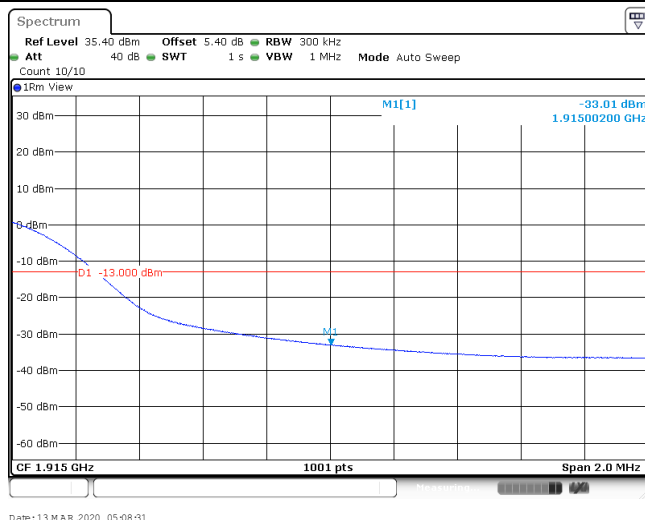


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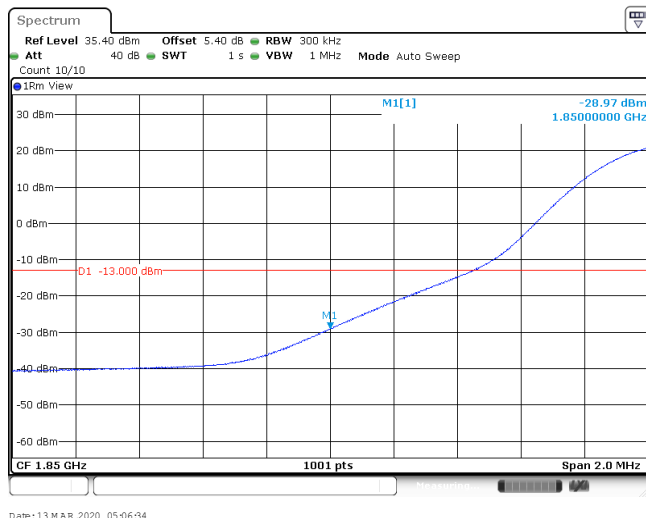


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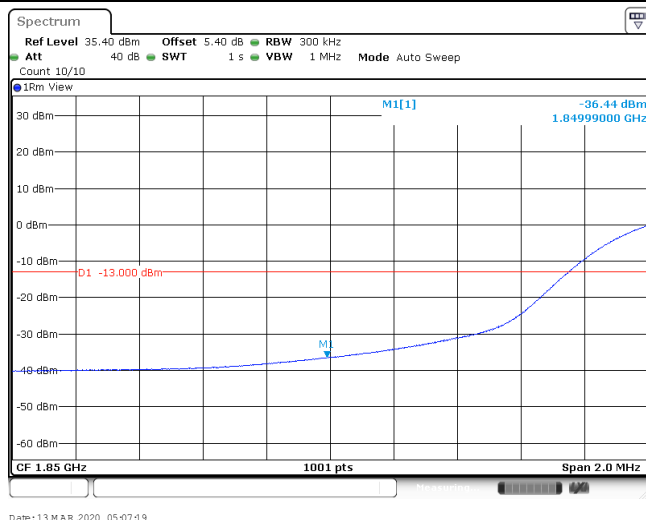


Band25_20MHz_16QAM_26140_1RB#0



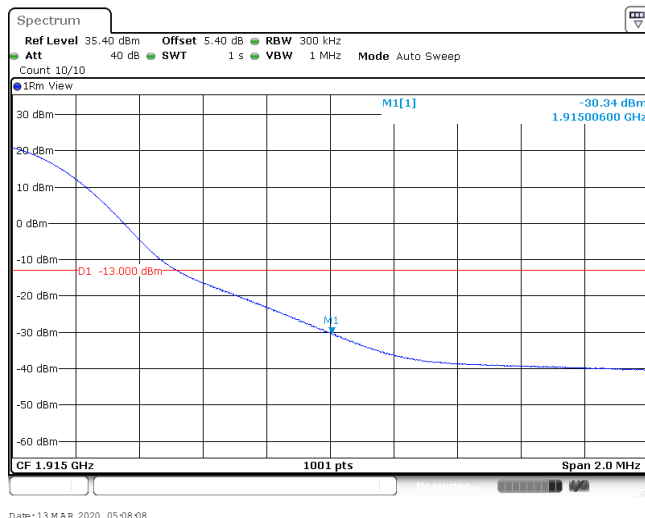


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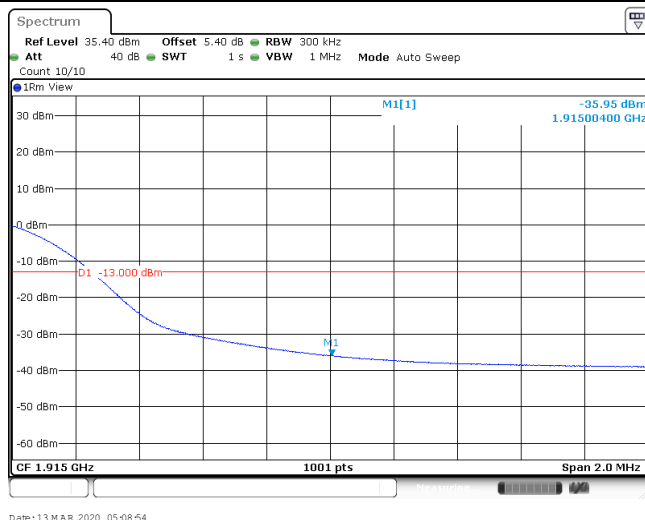


Band25_20MHz_16QAM_26590_1RB#99





Band25_20MHz_16QAM_26590_100RB#0



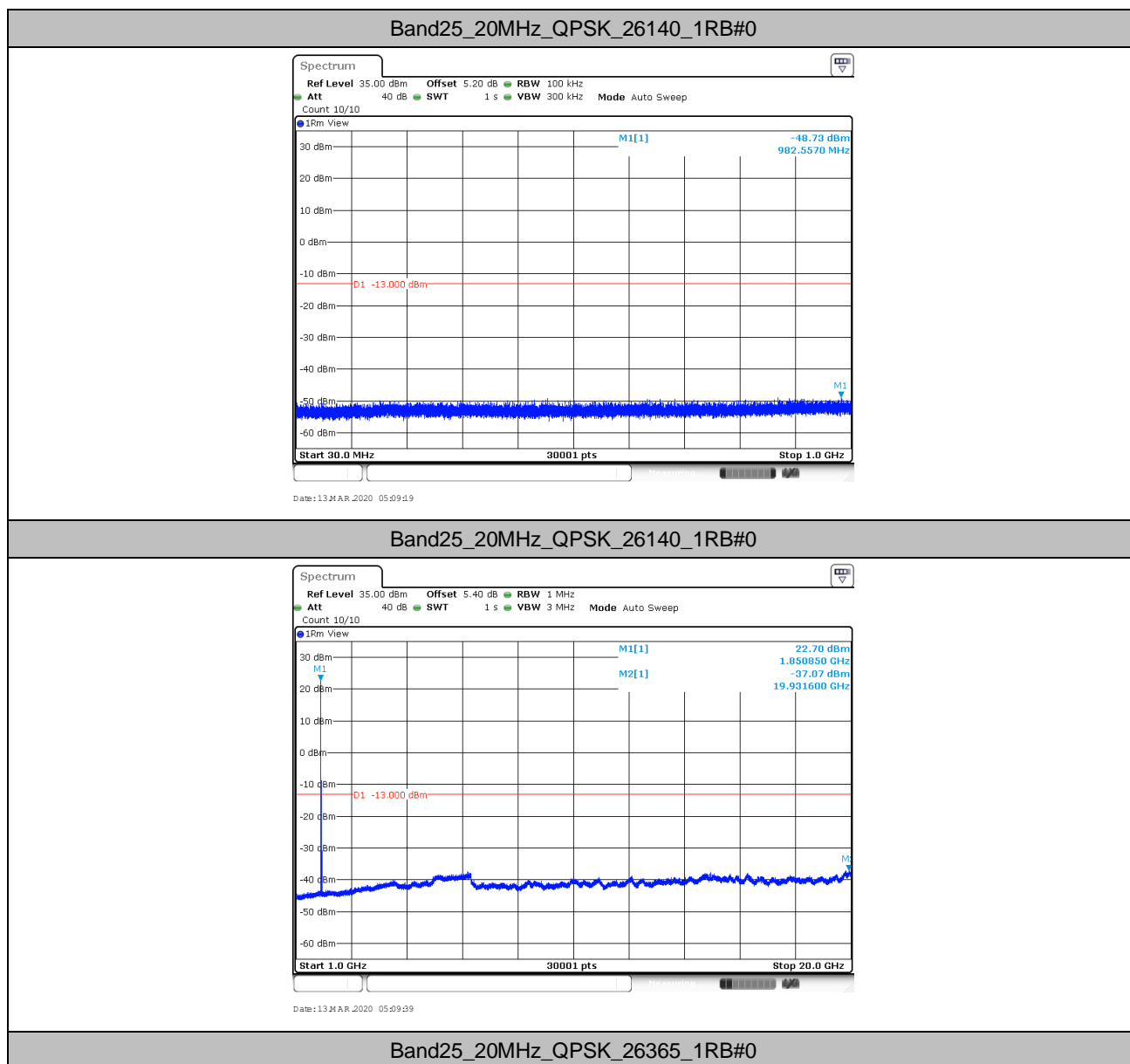


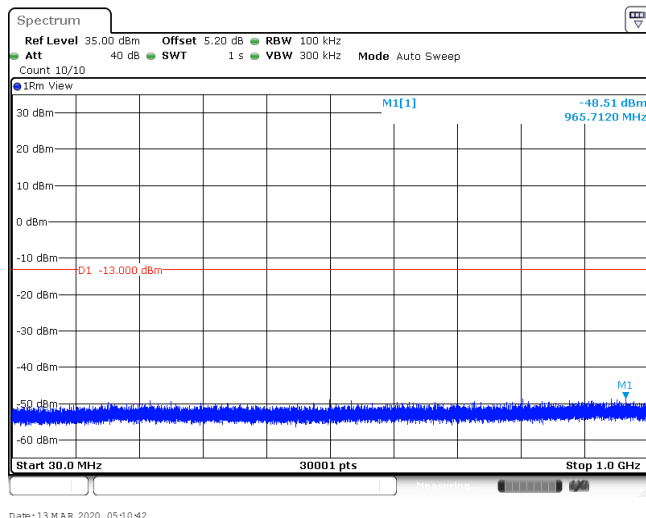
6. Spurious Emission at Antenna Terminal

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 $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

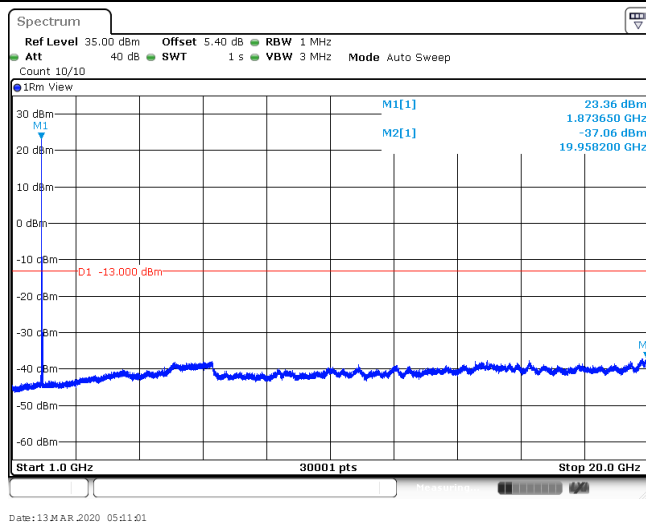
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



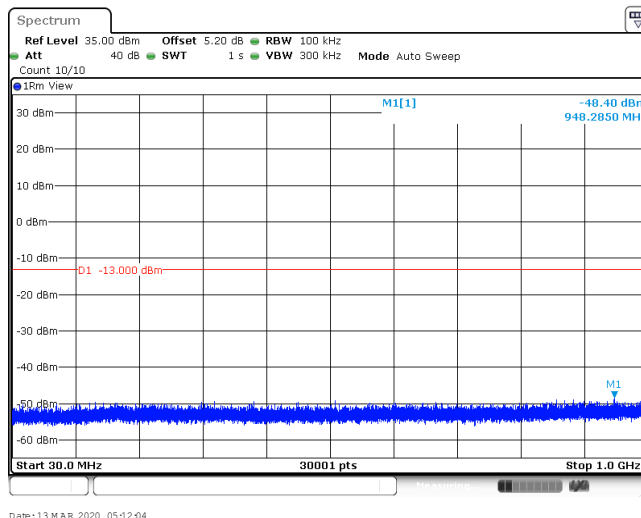


Band25_20MHz_QPSK_26365_1RB#0

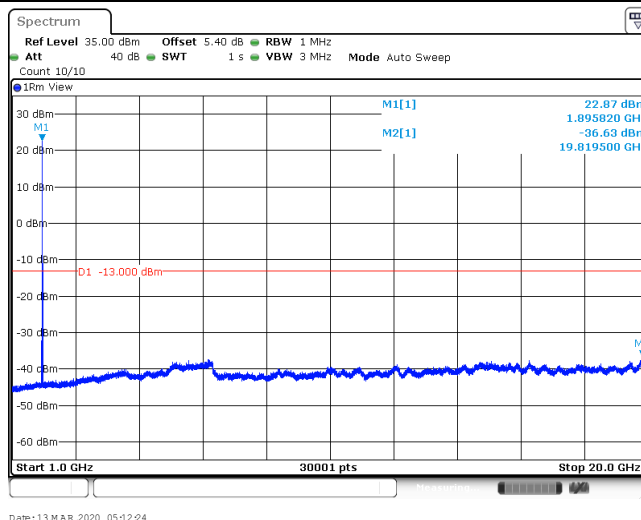


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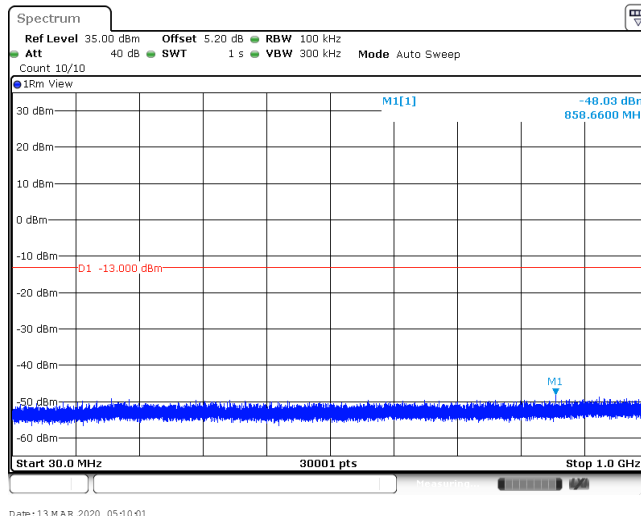


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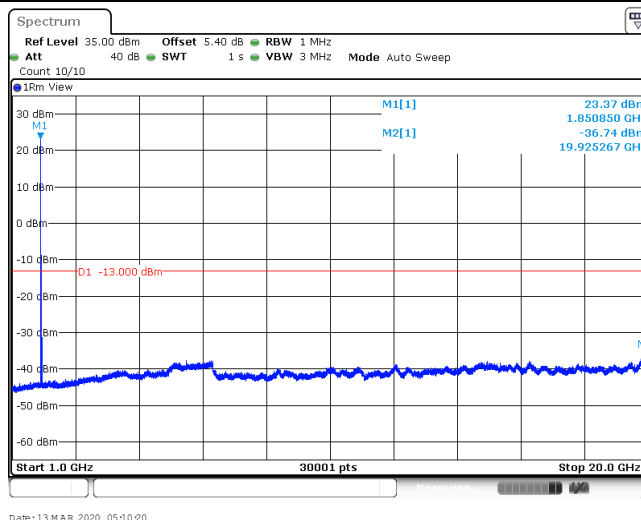


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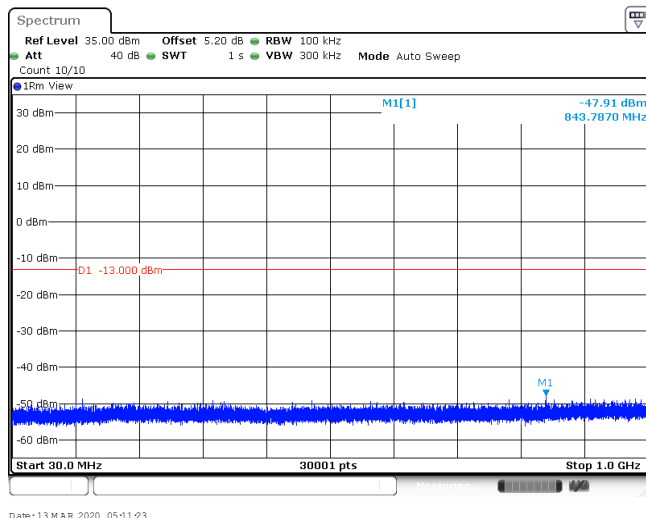


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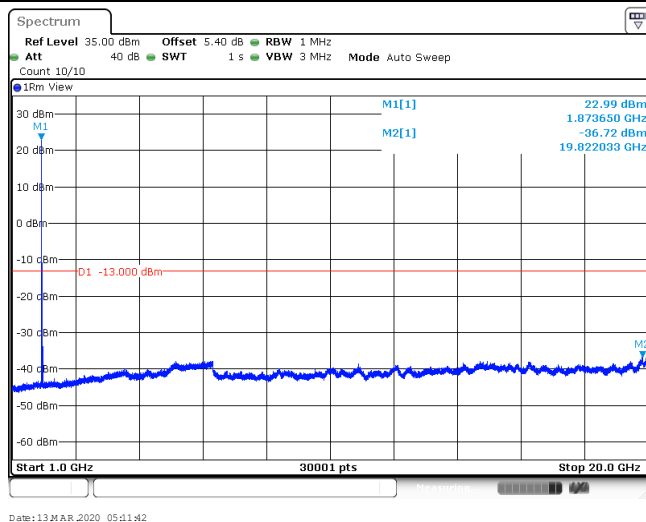


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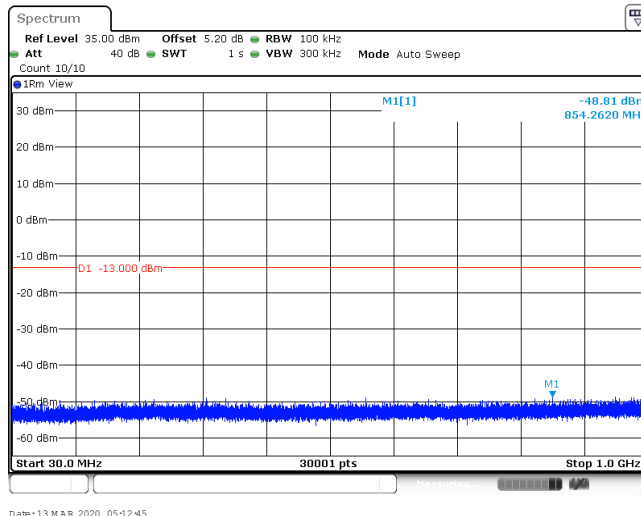


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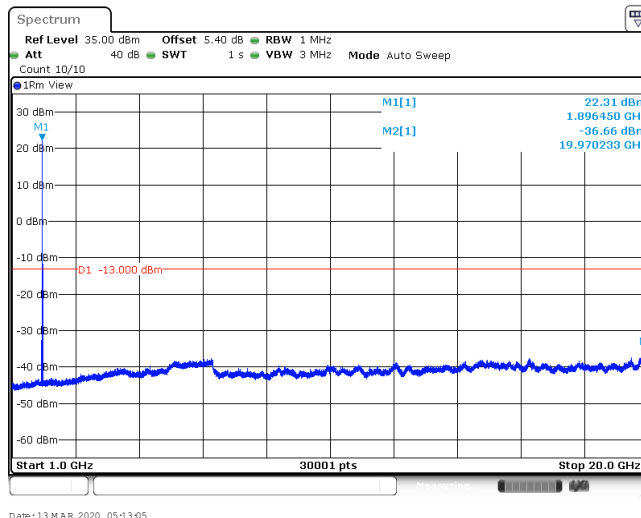


Band25_20MHz_16QAM_26590_1RB#0





Band25_20MHz_16QAM_26590_1RB#0



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 25

7.1.1. Test Mode = LTE/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.4541	-64.77	-13.00	51.77	Vertical
618.8194	-64.02	-13.00	51.02	Vertical
2733.5467	-38.35	-13.00	25.35	Vertical
5553.0851	-57.39	-13.00	44.39	Vertical
14496.8832	-48.40	-13.00	35.40	Vertical
17997.4999	-41.05	-13.00	28.05	Vertical
43.6777	-64.60	-13.00	51.60	Horizontal
231.2366	-68.82	-13.00	55.82	Horizontal
2699.1398	-36.47	-13.00	23.47	Horizontal
5553.5851	-59.93	-13.00	46.93	Horizontal
16399.4466	-44.59	-13.00	31.59	Horizontal
17997.4999	-46.19	-13.00	33.19	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.1560	-64.31	-13.00	51.31	Vertical
617.7039	-64.20	-13.00	51.20	Vertical
3747.0249	-58.20	-13.00	45.20	Vertical
5620.5874	-60.78	-13.00	47.78	Vertical
14481.3827	-48.23	-13.00	35.23	Vertical
44.8902	-63.47	-13.00	50.47	Horizontal
243.7017	-68.70	-13.00	55.70	Horizontal
3747.0249	-59.98	-13.00	46.98	Horizontal
5620.5874	-60.59	-13.00	47.59	Horizontal
16381.9461	-44.42	-13.00	31.42	Horizontal



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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
115.0248	-64.55	-13.00	51.55	Vertical
605.8693	-64.01	-13.00	51.01	Vertical
3792.0264	-59.83	-13.00	46.83	Vertical
5688.0896	-59.88	-13.00	46.88	Vertical
14499.3833	-47.55	-13.00	34.55	Vertical
17989.4997	-41.50	-13.00	28.50	Vertical
43.0957	-64.35	-13.00	51.35	Horizontal
231.3336	-68.36	-13.00	55.36	Horizontal
3792.0264	-56.95	-13.00	43.95	Horizontal
5688.0896	-59.17	-13.00	46.17	Horizontal
16398.4466	-44.75	-13.00	31.75	Horizontal
17998.5000	-46.01	-13.00	33.01	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 had been displayed..





8. Frequency Stability

8.1. Frequency Vs Voltage

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	2.70	0.001452	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	-5.90	-0.003172	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VH	NT	-6.10	-0.003280	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-7.30	-0.003878	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	6.70	0.003559	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	1.80	0.000945	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	-8.10	-0.004252	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VH	NT	-8.90	-0.004672	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VL	NT	-0.40	-0.000215	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VN	NT	-3.60	-0.001935	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VH	NT	5.10	0.002742	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VL	NT	5.00	0.002656	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VN	NT	3.10	0.001647	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VH	NT	7.90	0.004197	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VL	NT	0.20	0.000105	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VN	NT	1.20	0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	0.40	0.000210	±2.5	PASS

8.2. Frequency Vs Temperature

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	4.30	0.002312	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	-0.80	-0.000430	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	-7.30	-0.003925	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	6.00	0.003226	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	20	0.40	0.000215	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	30	-4.00	-0.002151	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	-10.70	-0.005753	±2.5	PASS



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Band25	20MHz	QPSK	26140	100RB#0	NV	50	1.10	0.000591	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	0.80	0.000425	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-4.50	-0.002390	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-11.50	-0.006109	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	3.50	0.001859	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-1.60	-0.000850	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-5.40	-0.002869	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-10.60	-0.005631	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	7.60	0.004037	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-30	0.30	0.000157	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	-10.10	-0.005302	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	-1.20	-0.000630	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	10	7.40	0.003885	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	-0.90	-0.000472	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	-7.70	-0.004042	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	3.40	0.001785	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	-3.80	-0.001995	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-30	-9.50	-0.005108	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-20	-5.40	-0.002903	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	-2.70	-0.001452	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	-0.20	-0.000108	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	2.60	0.001398	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	4.60	0.002473	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	40	6.30	0.003387	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	50	7.90	0.004247	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-30	-10.50	-0.005578	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-20	-8.60	-0.004568	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	0	-7.00	-0.003718	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	10	-5.20	-0.002762	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	-4.00	-0.002125	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	-3.30	-0.001753	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	-2.20	-0.001169	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	-1.30	-0.000691	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-30	1.60	0.000840	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-20	2.40	0.001260	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	2.40	0.001260	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	3.80	0.001995	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	20	4.00	0.002100	±2.5	PASS



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Band25	20MHz	16QAM	26590	100RB#0	NV	30	4.80	0.002520	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	40	2.90	0.001522	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	2.60	0.001365	±2.5	PASS

The End

