



Appendix B

E-UTRA BAND 25



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1 Effective (Isotropic) Radiated Power Output Data

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	23.61	26.52	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.79	26.70	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.73	26.64	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	23.68	26.59	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	24.01	26.92	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	23.93	26.84	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.83	25.74	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.59	26.50	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.71	26.62	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.46	26.37	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	23.70	26.61	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	23.83	26.74	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	23.74	26.65	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.71	25.62	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.58	26.49	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.97	26.88	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.67	26.58	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	23.84	26.75	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	23.93	26.84	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	23.82	26.73	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.74	25.65	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.00	24.91	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.07	24.98	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.08	24.99	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	22.86	25.77	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	23.13	26.04	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	23.05	25.96	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.74	24.65	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.97	24.88	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.21	25.12	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.17	25.08	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	22.91	25.82	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#1	22.94	25.85	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	22.68	25.59	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.62	24.53	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.20	25.11	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.31	25.22	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.66	25.57	33.00	PASS



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Band25	1.4MHz	16QAM	26683	3RB#0	22.91	25.82	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#1	23.09	26.00	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	23.01	25.92	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.96	24.87	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	24.04	26.95	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.61	26.52	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.99	26.90	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	22.59	25.50	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#4	23.00	25.91	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	22.87	25.78	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.85	25.76	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.91	26.82	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.41	26.32	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.80	26.71	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	22.60	25.51	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#4	22.71	25.62	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	22.73	25.64	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.80	25.71	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.88	26.79	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.53	26.44	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	24.02	26.93	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	22.94	25.85	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#4	22.93	25.84	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	22.90	25.81	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.95	25.86	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.94	24.85	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.12	25.03	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.16	25.07	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	21.99	24.90	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#4	22.05	24.96	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	21.78	24.69	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.84	24.75	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.16	25.07	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.05	24.96	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.13	25.04	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	21.35	24.26	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#4	21.66	24.57	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	21.44	24.35	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.89	24.80	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.13	25.04	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.29	25.20	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.82	25.73	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	21.69	24.60	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#4	21.93	24.84	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	21.53	24.44	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.96	24.87	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.80	26.71	33.00	PASS



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Band25	5MHz	QPSK	26065	1RB#12	23.72	26.63	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.98	26.89	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	22.74	25.65	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	22.75	25.66	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	23.03	25.94	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.81	25.72	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.73	26.64	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.41	26.32	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.72	26.63	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	22.70	25.61	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	22.46	25.37	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	22.93	25.84	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.84	25.75	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.72	26.63	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.41	26.32	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.90	26.81	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	22.89	25.80	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	22.66	25.57	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	22.86	25.77	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.84	25.75	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.14	25.05	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.85	25.76	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.53	25.44	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#0	21.61	24.52	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	21.68	24.59	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	21.69	24.60	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.90	24.81	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.05	24.96	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.51	25.42	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.00	24.91	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	21.64	24.55	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	21.61	24.52	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	21.54	24.45	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.72	24.63	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.38	25.29	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.33	25.24	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.31	25.22	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	21.80	24.71	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	21.73	24.64	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	21.74	24.65	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.81	24.72	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.71	26.62	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	24.17	27.08	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.82	26.73	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	22.91	25.82	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#12	22.78	25.69	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	23.07	25.98	33.00	PASS



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Band25	10MHz	QPSK	26090	50RB#0	22.95	25.86	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.61	26.52	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.75	26.66	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.82	26.73	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	22.84	25.75	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#12	22.59	25.50	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	22.86	25.77	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.79	25.70	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.88	26.79	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.77	26.68	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.68	26.59	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	23.10	26.01	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#12	22.73	25.64	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	22.88	25.79	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.92	25.83	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.28	25.19	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.31	25.22	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.86	25.77	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	21.97	24.88	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#12	21.75	24.66	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	21.81	24.72	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.95	24.86	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.27	25.18	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.35	25.26	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.23	25.14	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#0	21.77	24.68	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#12	21.64	24.55	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	21.69	24.60	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.81	24.72	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.86	25.77	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.32	25.23	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.94	25.85	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	21.79	24.70	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#12	21.87	24.78	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	21.71	24.62	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.84	24.75	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.90	26.81	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	24.35	27.26	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.77	26.68	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	22.97	25.88	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	22.98	25.89	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	23.16	26.07	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.95	25.86	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.82	26.73	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.48	26.39	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.79	26.70	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	22.81	25.72	33.00	PASS



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Band25	15MHz	QPSK	26365	36RB#18	22.66	25.57	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	22.94	25.85	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.73	25.64	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.89	26.80	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.85	26.76	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.54	26.45	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	23.18	26.09	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	22.70	25.61	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	22.85	25.76	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	23.01	25.92	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.40	25.31	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.51	25.42	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.82	25.73	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#0	21.77	24.68	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	21.82	24.73	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	21.98	24.89	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.94	24.85	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.21	25.12	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.20	25.11	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.50	25.41	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	21.50	24.41	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	21.81	24.72	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	21.64	24.55	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.65	24.56	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.79	25.70	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.37	25.28	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.45	25.36	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	21.81	24.72	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	21.82	24.73	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	21.76	24.67	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.89	24.80	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.83	26.74	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	24.27	27.18	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.75	26.66	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	22.90	25.81	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	23.22	26.13	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.95	25.86	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.97	25.88	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.85	26.76	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.54	26.45	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.74	26.65	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	22.80	25.71	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	22.71	25.62	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#50	22.84	25.75	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.81	25.72	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.90	26.81	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	24.02	26.93	33.00	PASS



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Band25	20MHz	QPSK	26590	1RB#99	23.15	26.06	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	23.17	26.08	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	22.92	25.83	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	22.74	25.65	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	23.01	25.92	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.80	25.71	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.46	25.37	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.30	25.21	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	22.08	24.99	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	21.98	24.89	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	22.05	24.96	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.95	24.86	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.10	25.01	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.40	25.31	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.33	25.24	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	21.79	24.70	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	21.81	24.72	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	21.82	24.73	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.70	24.61	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.29	25.20	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.99	25.90	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.35	25.26	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	21.89	24.80	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	21.85	24.76	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	21.73	24.64	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.78	24.69	33.00	PASS

Remark:

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

$$\text{ERP [dBm]} = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{Conducted Power [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$



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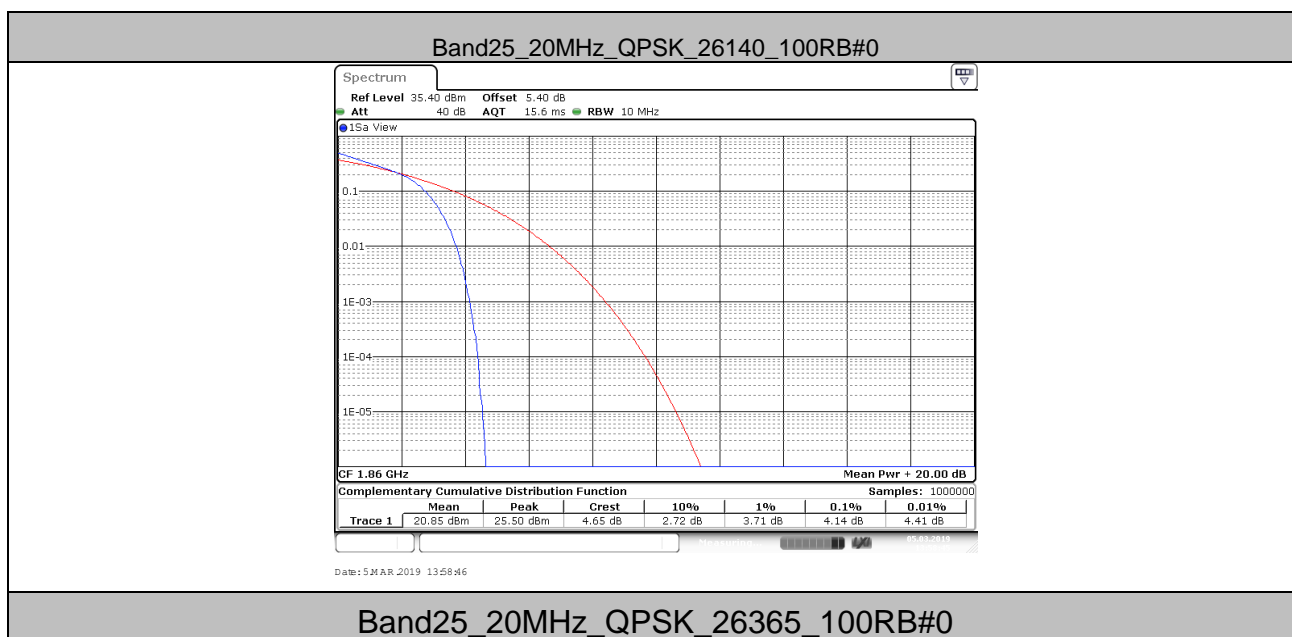
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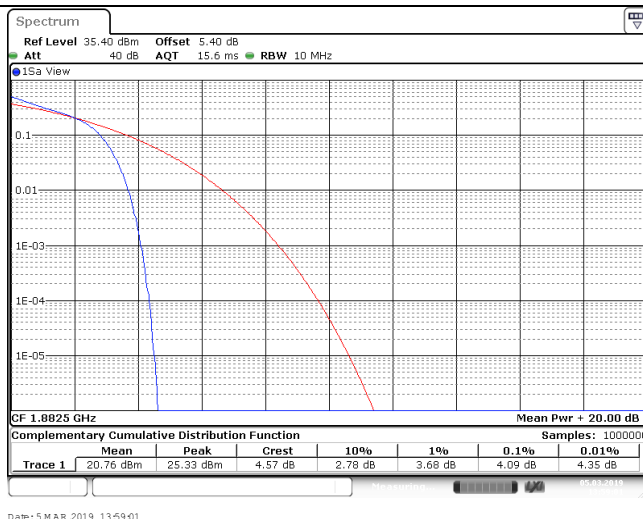
2 Peak-to-Average Ratio

2.1. Test Result

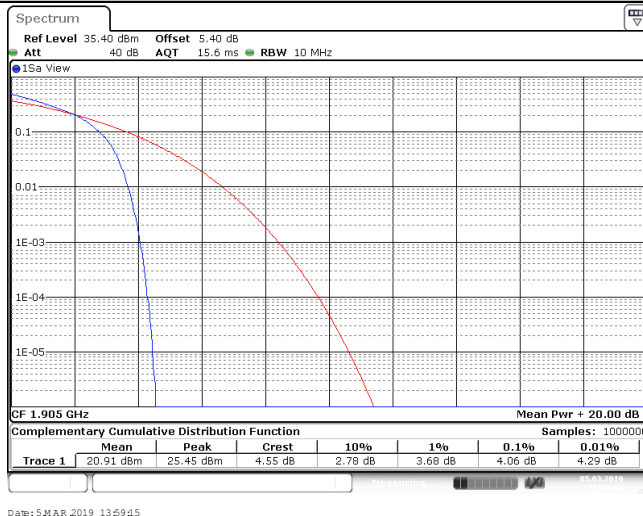
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	4.14	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.09	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.06	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.97	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.94	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	4.06	13	PASS

2.2. Test Plots



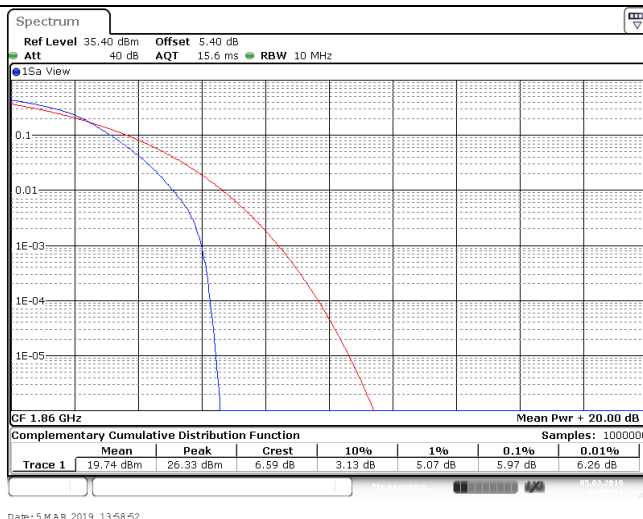


Band25_20MHz_QPSK_26590_100RB#0



Band25_20MHz_16QAM_26140_100RB#0



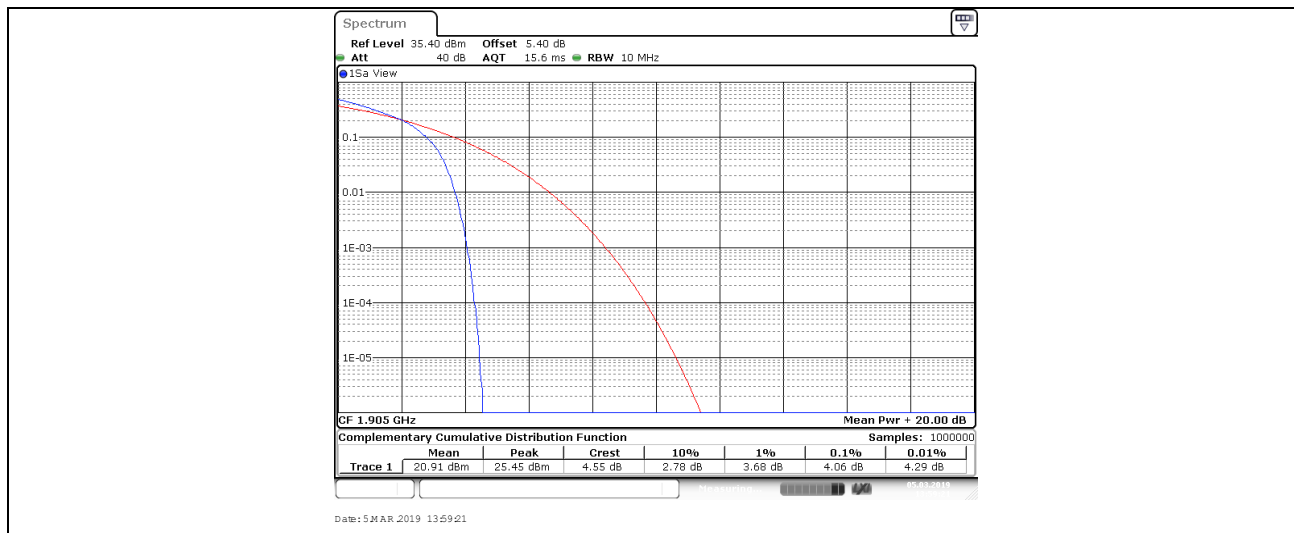


Band25_20MHz_16QAM_26365_100RB#0



Band25_20MHz_16QAM_26590_100RB#0





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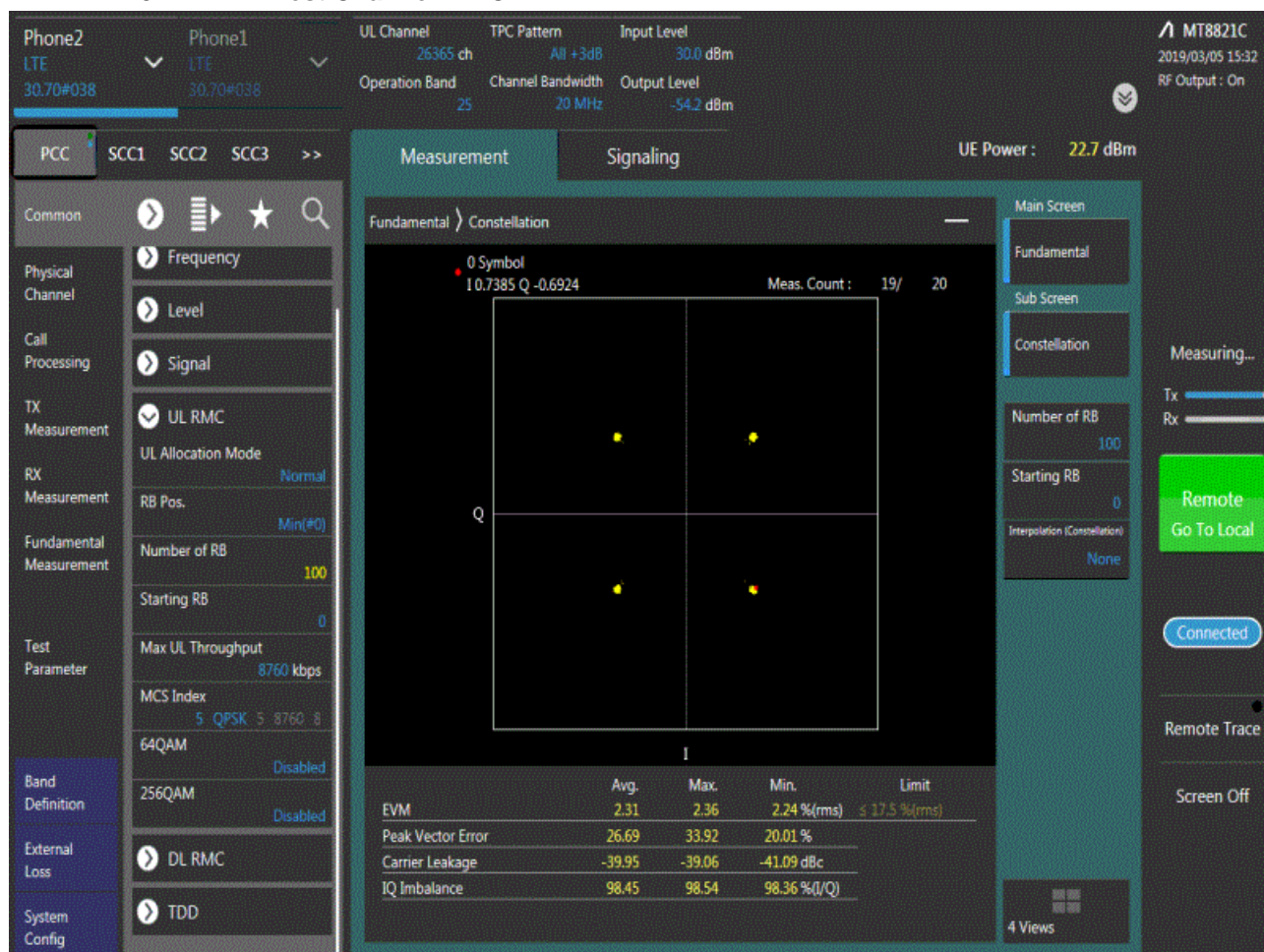
3 Modulation Characteristics

3.1. For LTE

3.1.1 Test BAND = LTE BAND 25

3.1.1.1 Test Mode = LTE /TM1 20MHz

3.1.1.1.1 Test Channel = MCH



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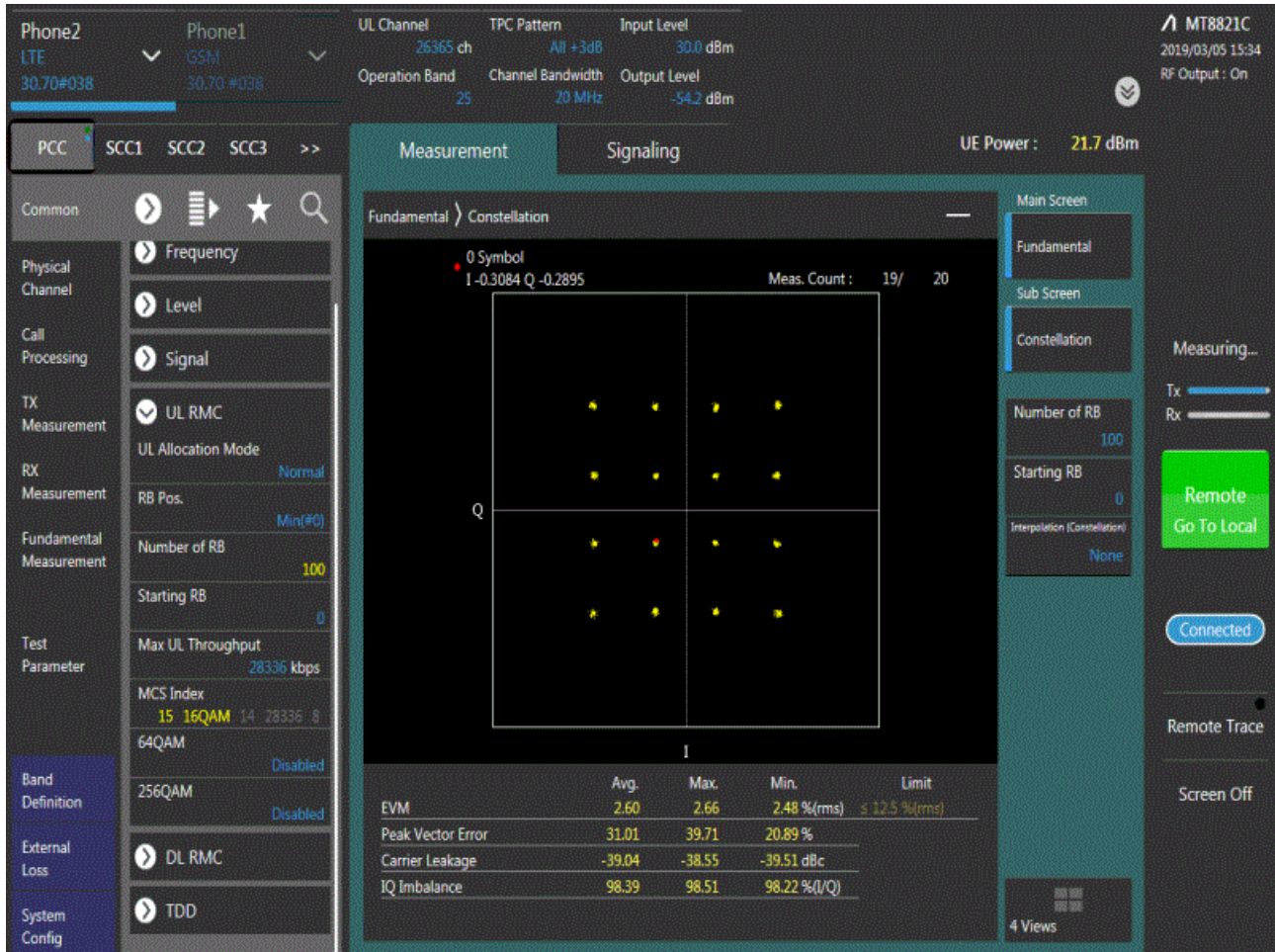
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3.1.1.2 Test Mode = LTE /TM2 20MHz

3.1.1.2.1 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	1.097	1.293	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.103	1.290	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.094	1.311	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.106	1.305	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.1	1.305	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.091	1.296	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	2.982	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.703	2.976	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	2.970	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.697	2.976	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.703	2.988	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.703	2.994	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.466	4.930	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.486	4.930	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.486	4.960	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.486	4.990	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.486	4.960	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.476	4.890	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.931	9.760	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.911	9.680	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.931	9.720	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.931	9.740	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.911	9.720	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.931	9.660	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.427	14.880	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.397	14.730	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.397	14.820	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.457	14.790	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.427	14.760	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.397	14.670	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.902	19.560	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.822	19.160	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.822	19.160	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.862	19.400	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.862	19.360	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.862	19.280	PASS

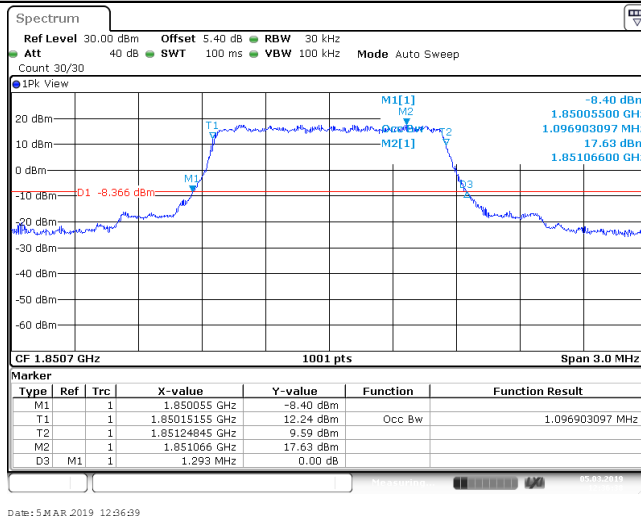


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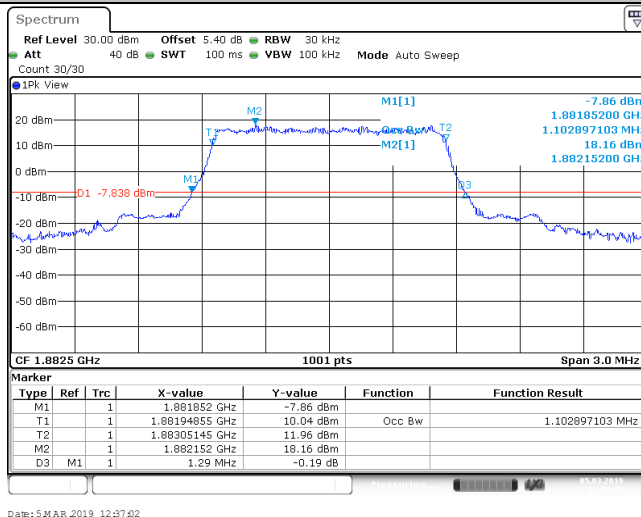
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4.2. Test Plots

Band25_1.4MHz_QPSK_26047_6RB#0

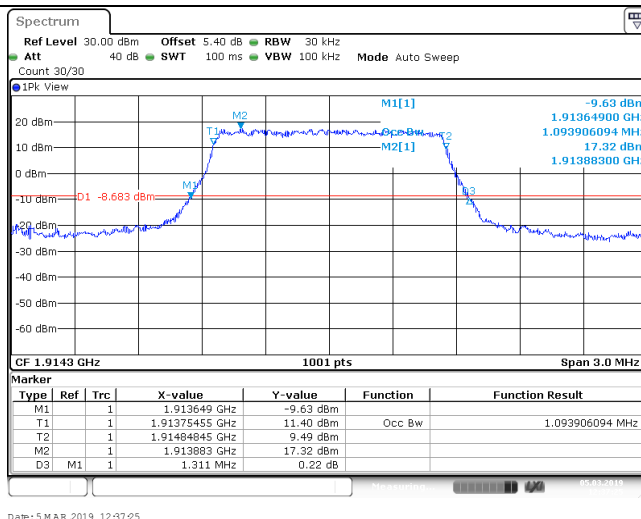


Band25_1.4MHz_QPSK_26365_6RB#0

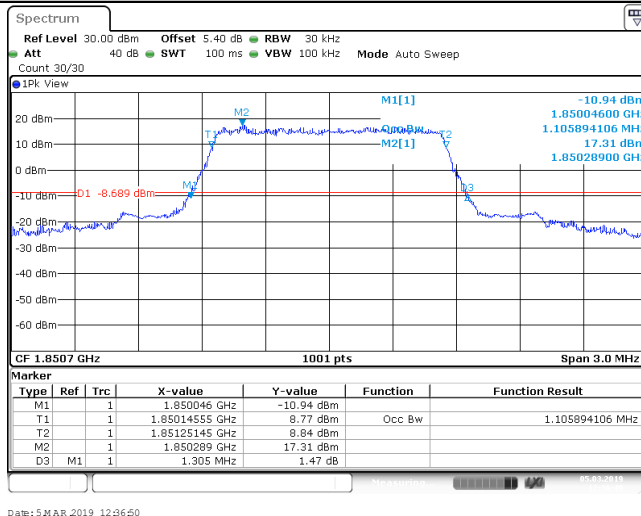


Band25_1.4MHz_QPSK_26683_6RB#0



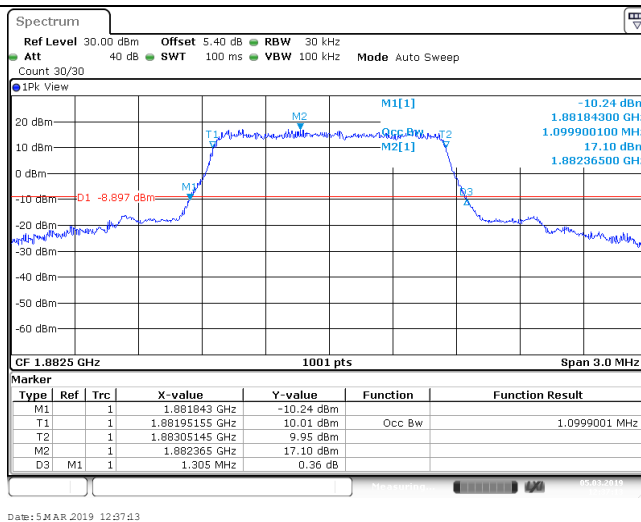


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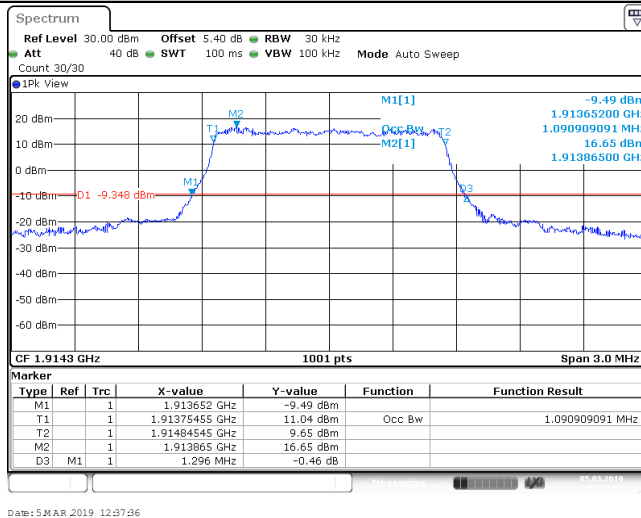


Band25_1.4MHz_16QAM_26365_6RB#0



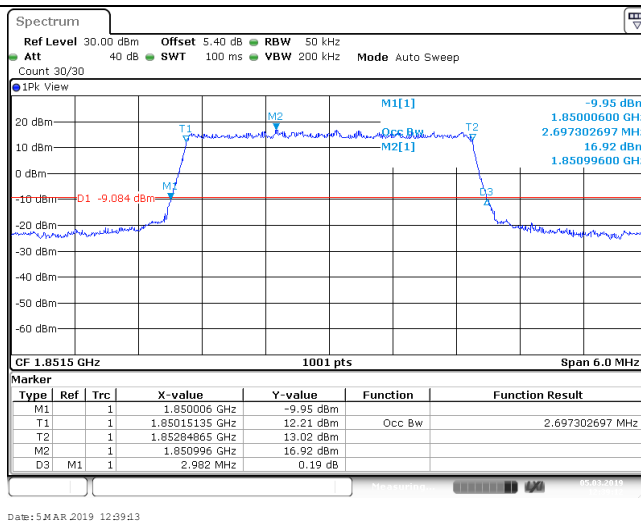


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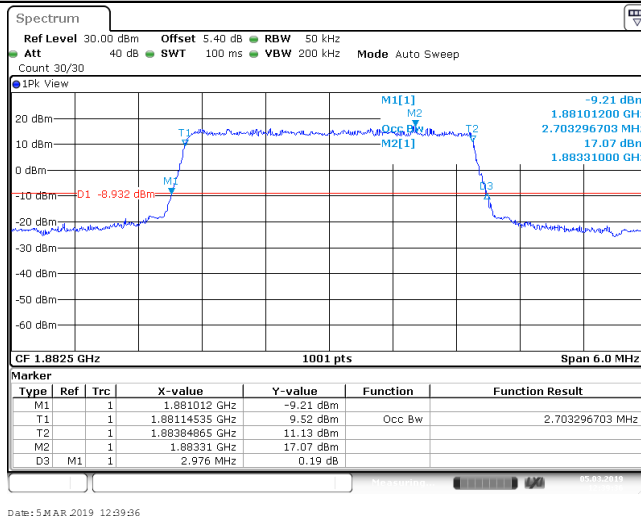


Band25_3MHz_QPSK_26055_15RB#0



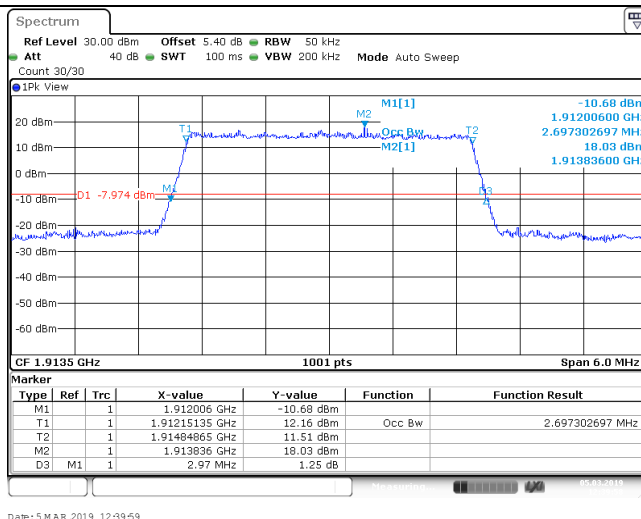


Band25_3MHz_QPSK_26365_15RB#0

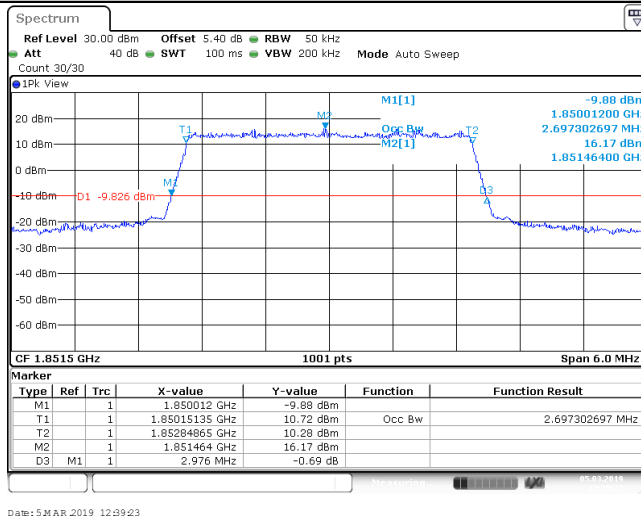


Band25_3MHz_QPSK_26675_15RB#0



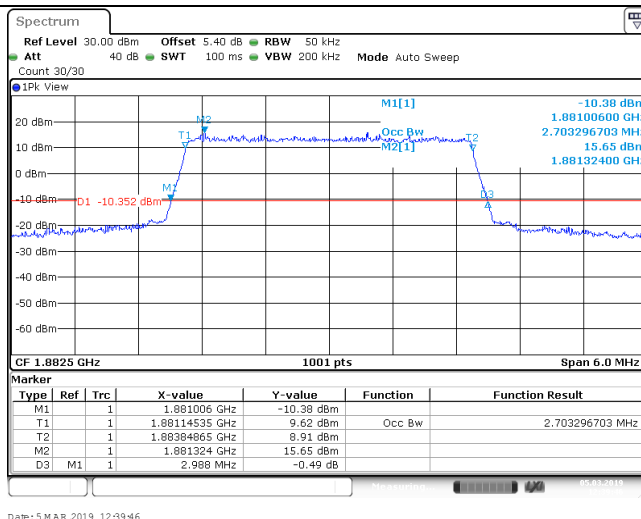


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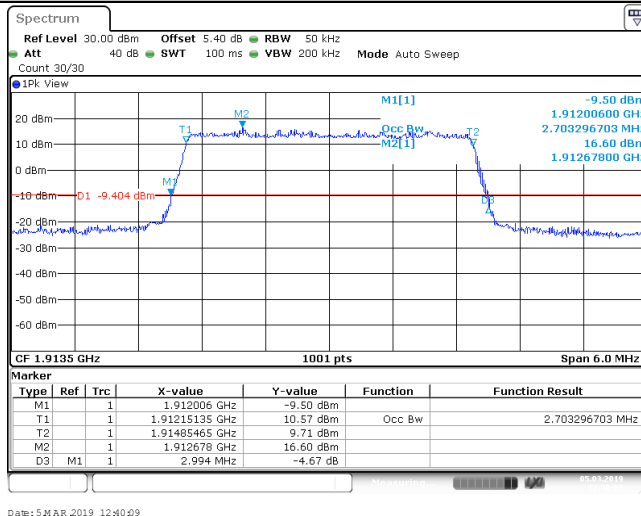


Band25_3MHz_16QAM_26365_15RB#0



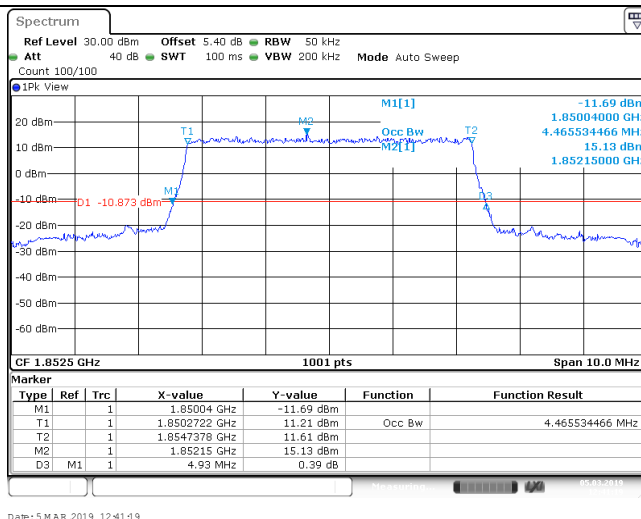


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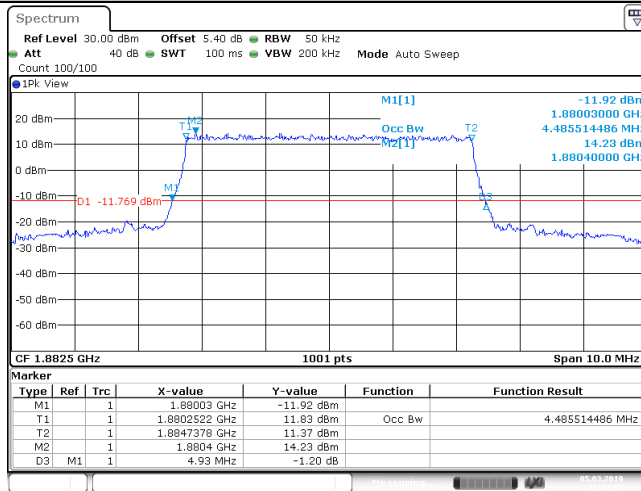
Band25_5MHz_QPSK_26065_25RB#0





Date: 5 MAR. 2019 12:41:49

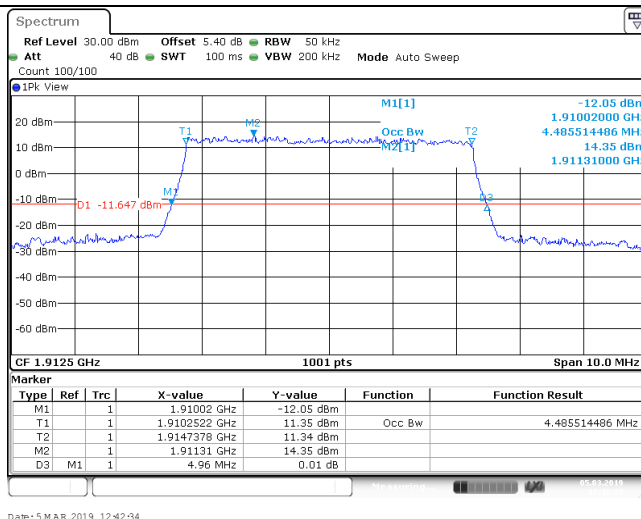
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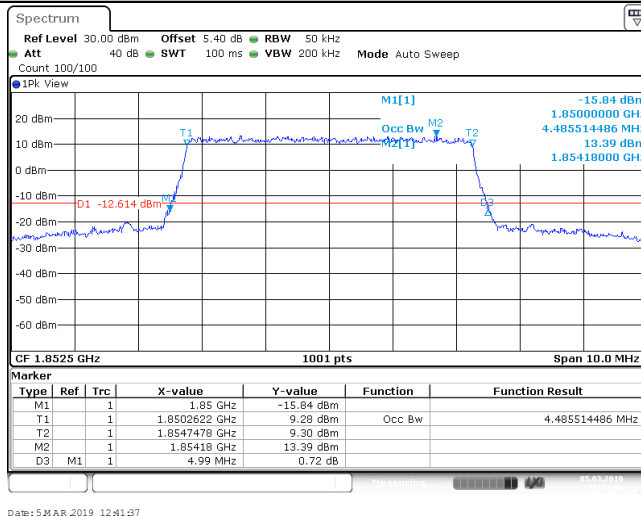
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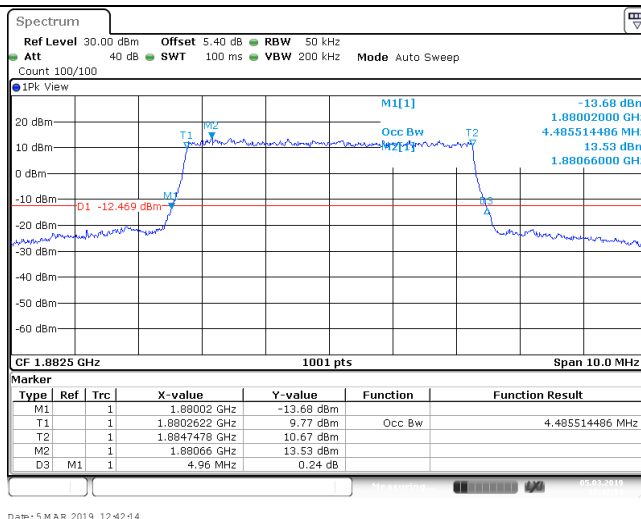


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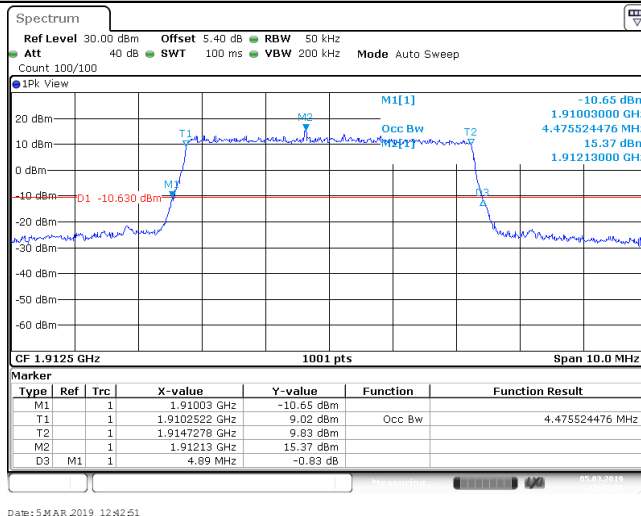


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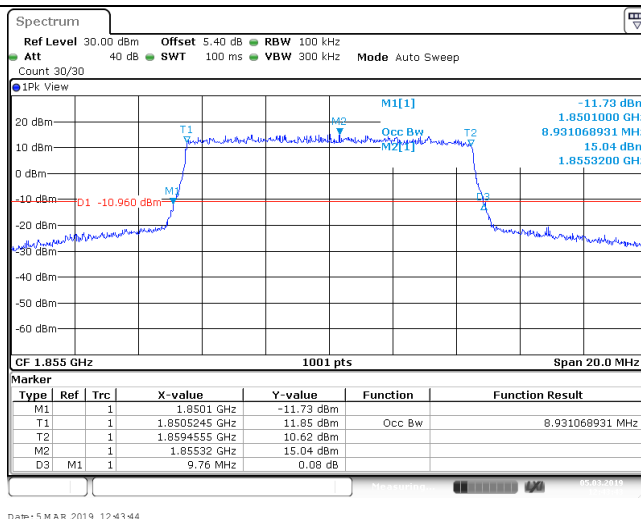


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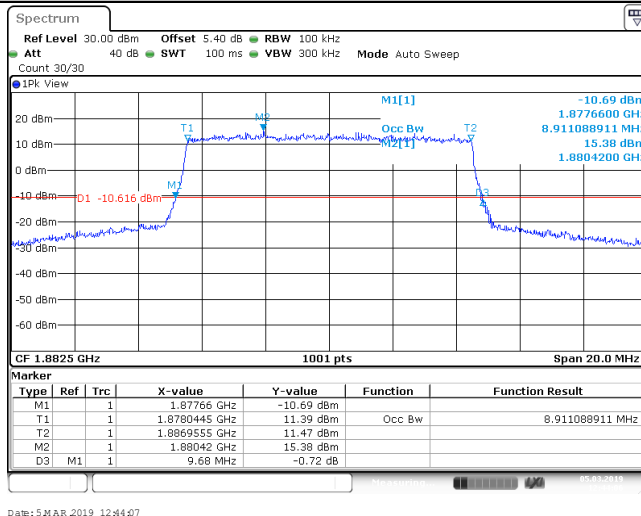


Band25_10MHz_QPSK_26090_50RB#0



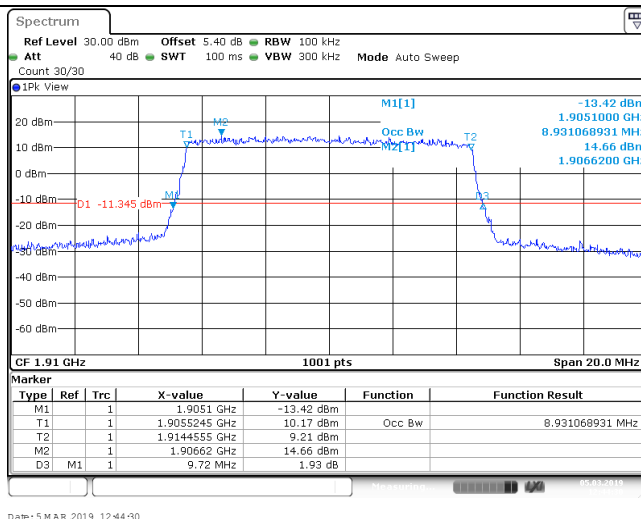


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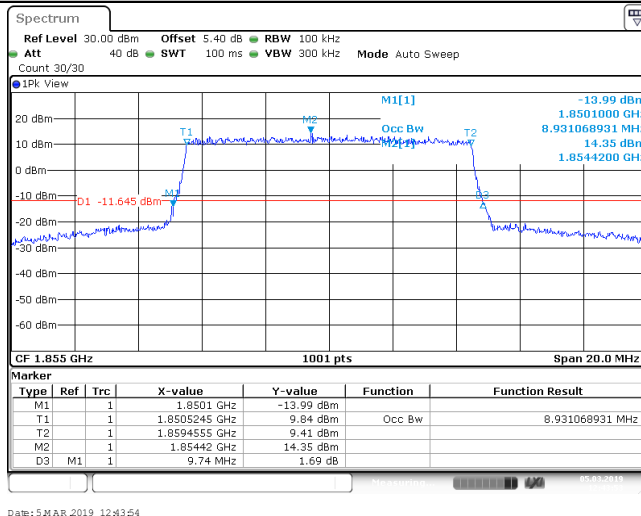


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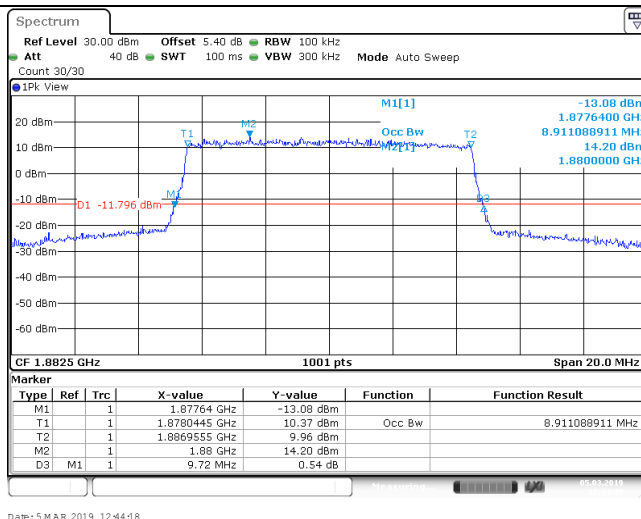


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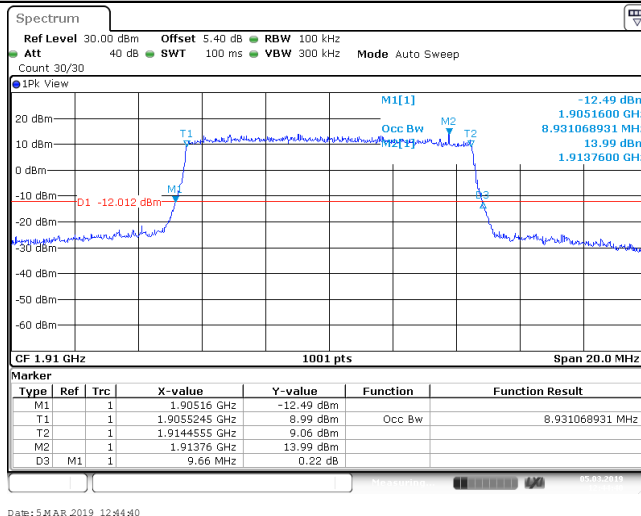


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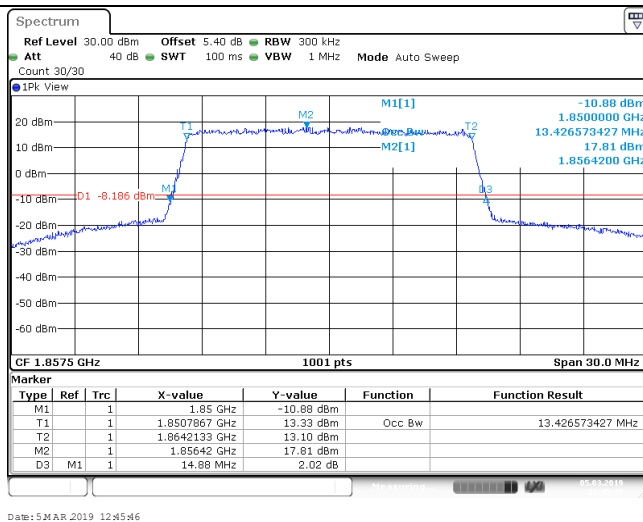


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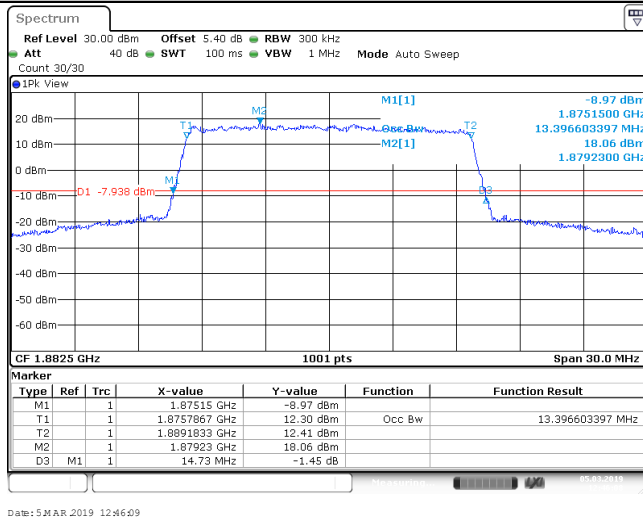


Band25_15MHz_QPSK_26115_75RB#0



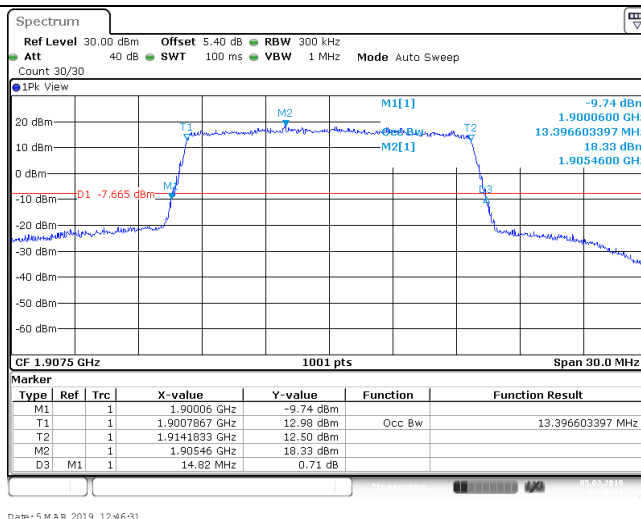


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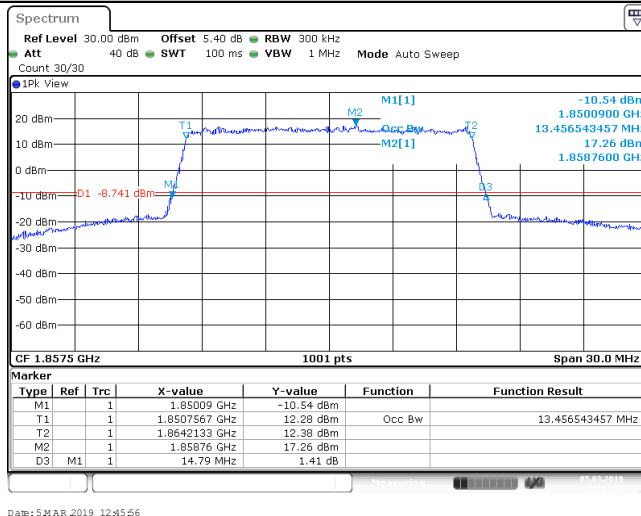


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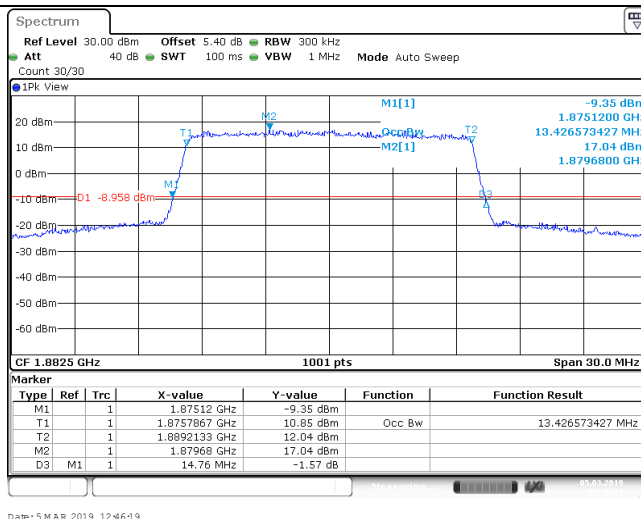


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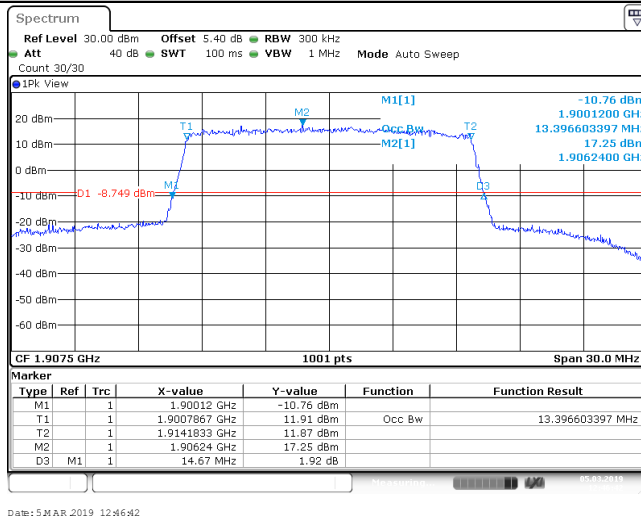


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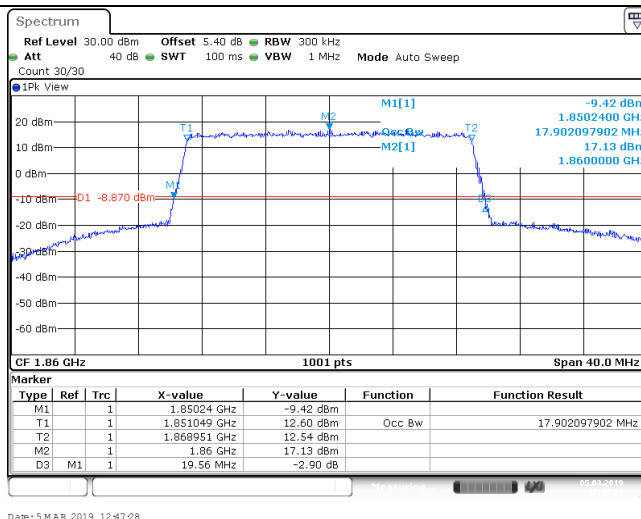


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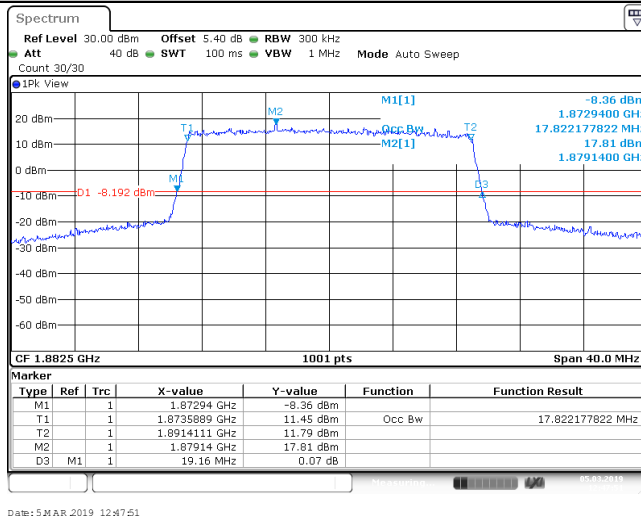


Band25_20MHz_QPSK_26140_100RB#0



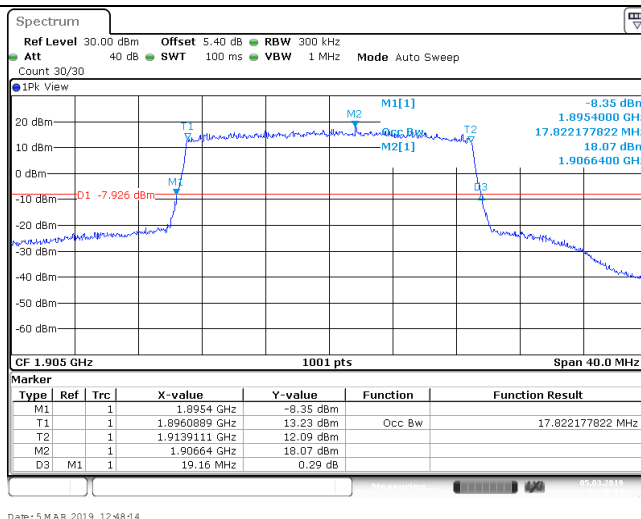


Band25_20MHz_QPSK_26365_100RB#0

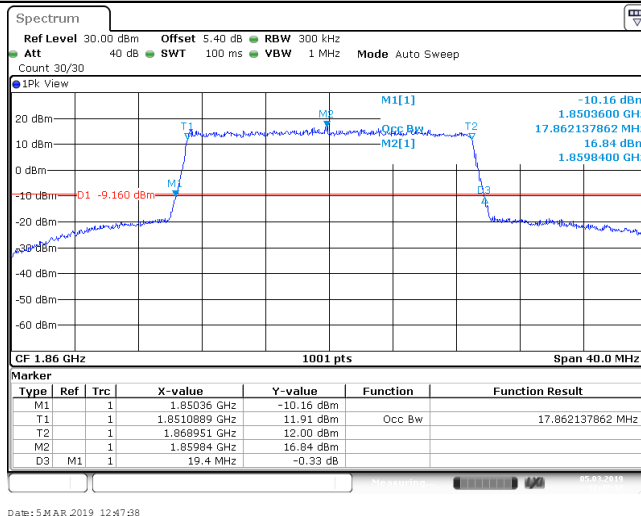


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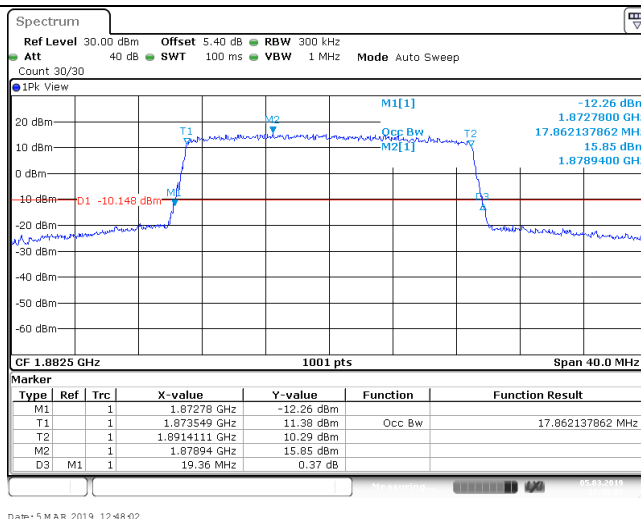


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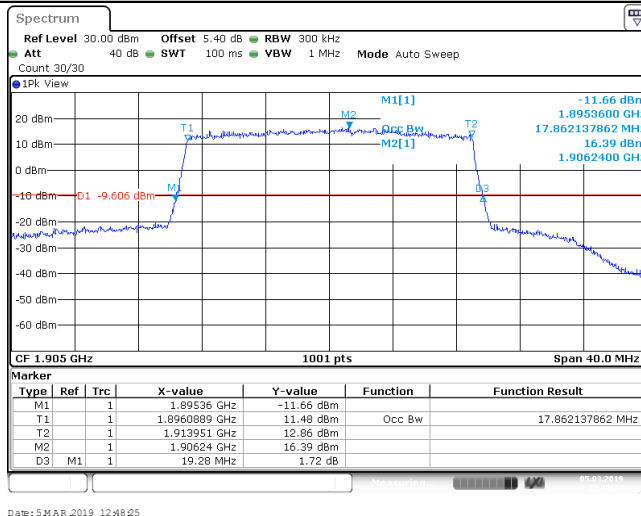


Band25_20MHz_16QAM_26365_100RB#0





Band25_20MHz_16QAM_26590_100RB#0



5 Band Edges Compliance

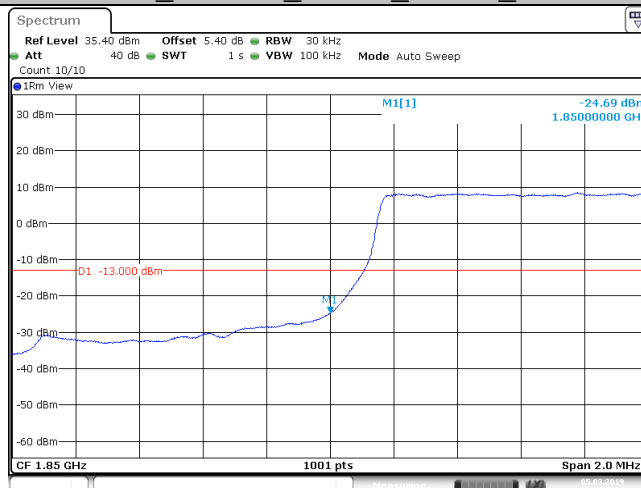
5.1. Test Plots

Band25_1.4MHz_QPSK_26047_1RB#0



Date: 5 MAR 2019 12:48:49

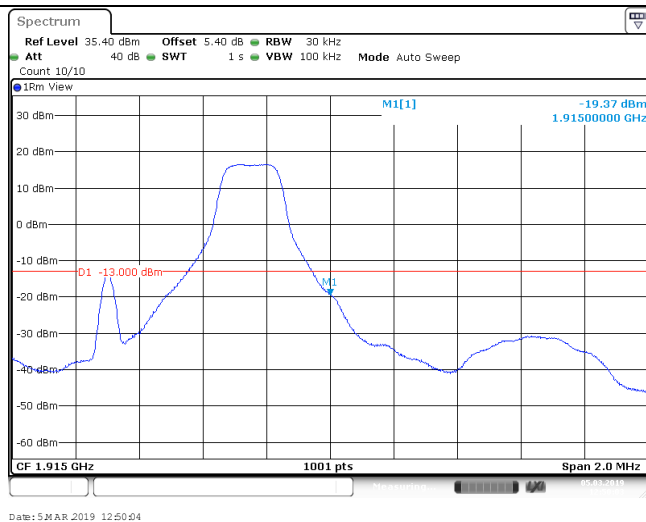
Band25_1.4MHz_QPSK_26047_6RB#0



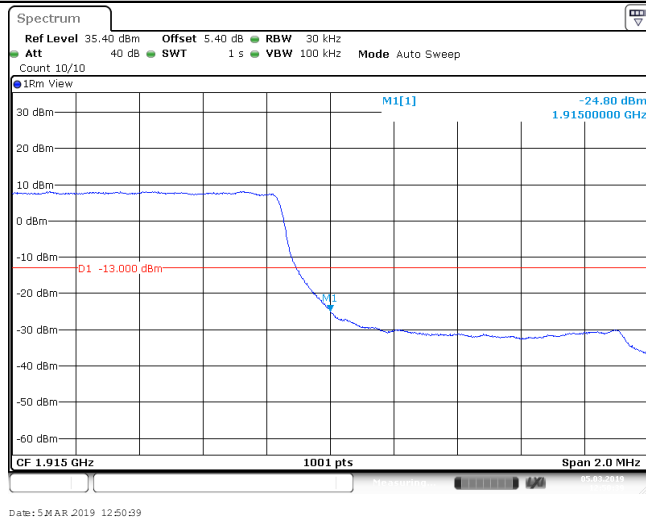
Date: 5 MAR 2019 12:49:23

Band25_1.4MHz_QPSK_26683_1RB#5



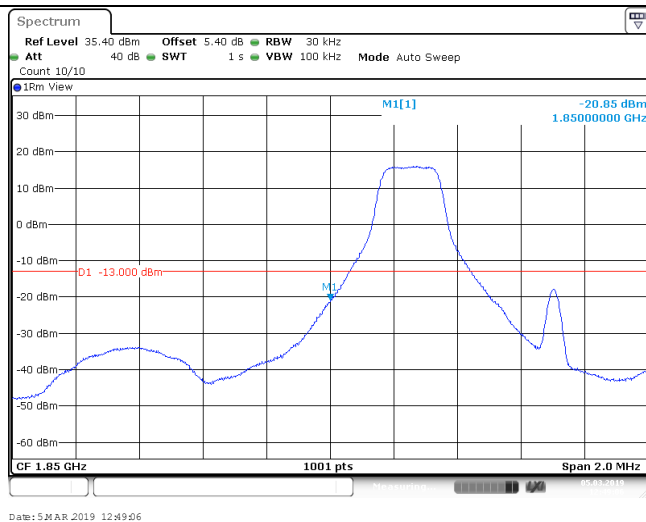


Band25_1.4MHz_QPSK_26683_6RB#0



Band25_1.4MHz_16QAM_26047_1RB#0



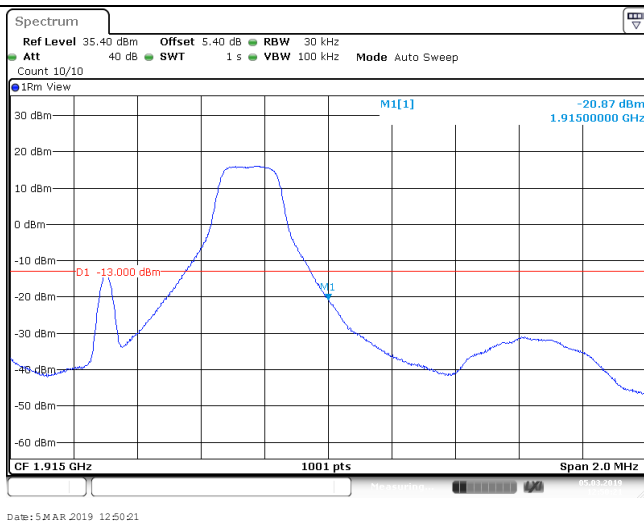


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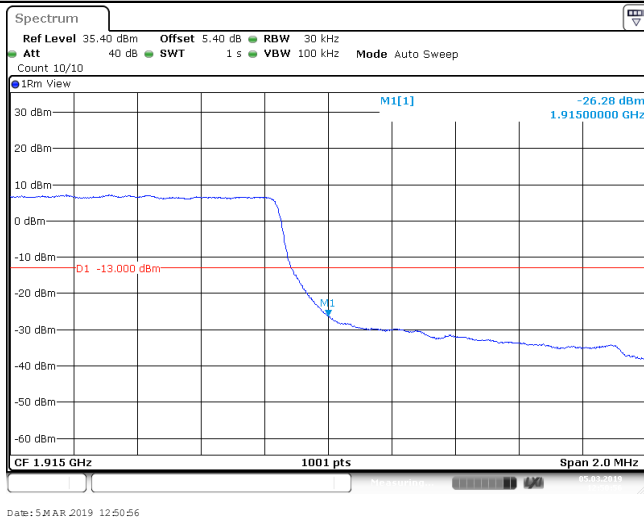


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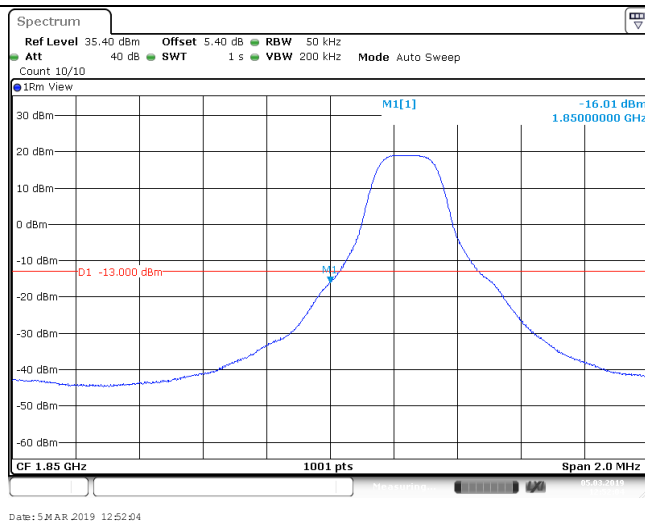


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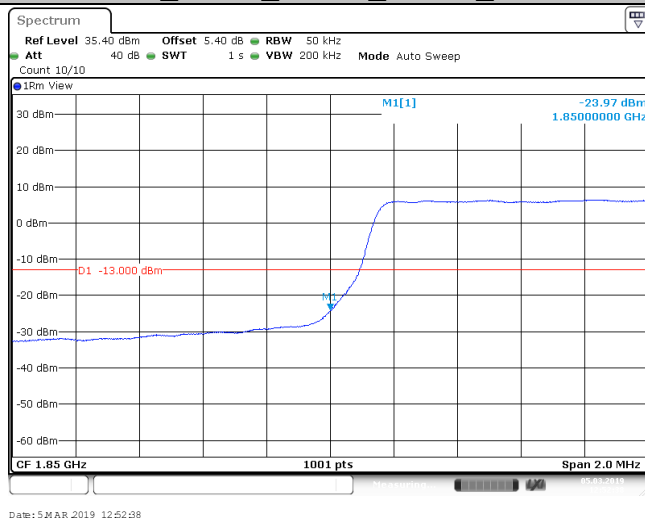


Band25_3MHz_QPSK_26055_1RB#0



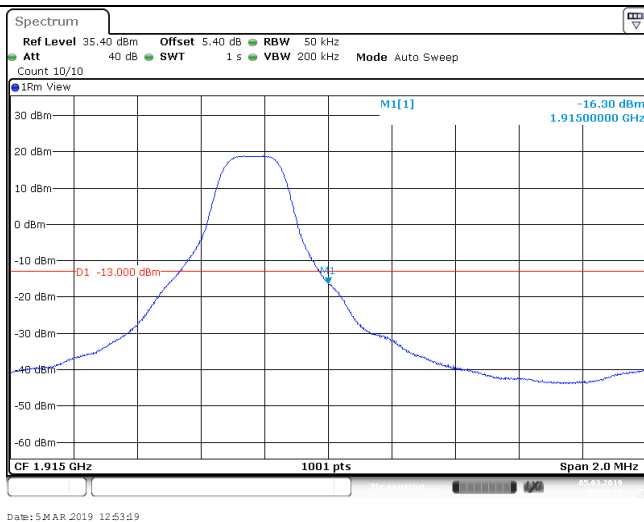


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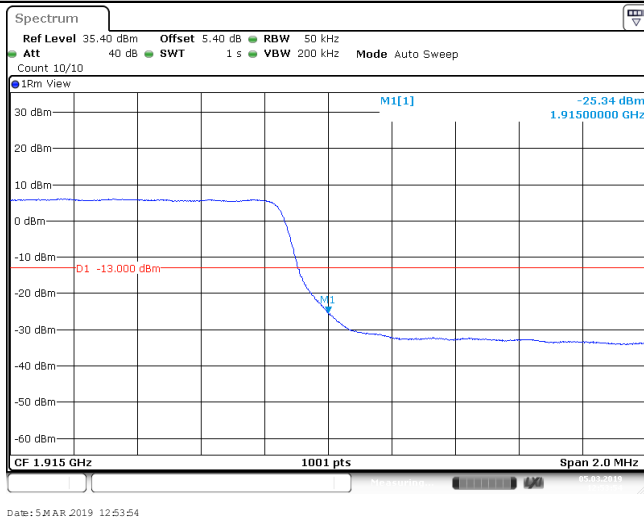


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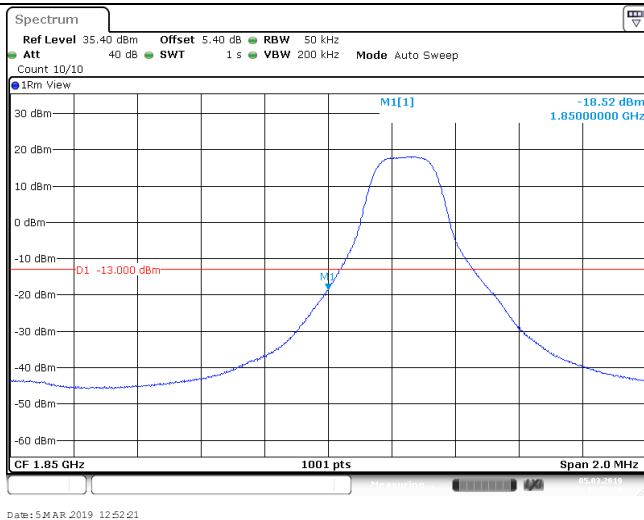


Band25_3MHz_QPSK_26675_15RB#0



Band25_3MHz_16QAM_26055_1RB#0



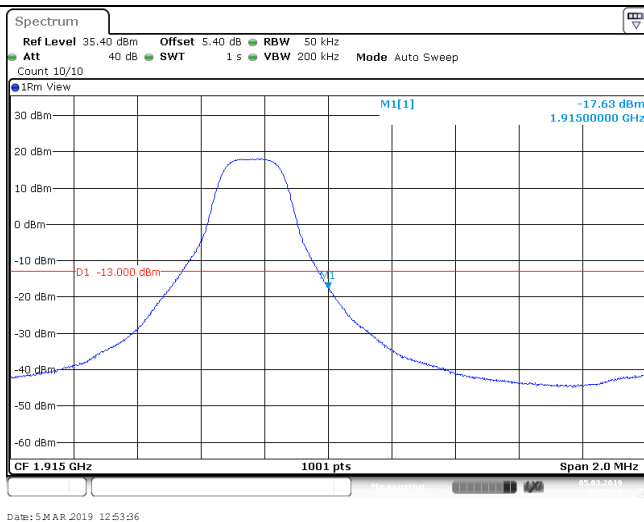


Band25_3MHz_16QAM_26055_15RB#0

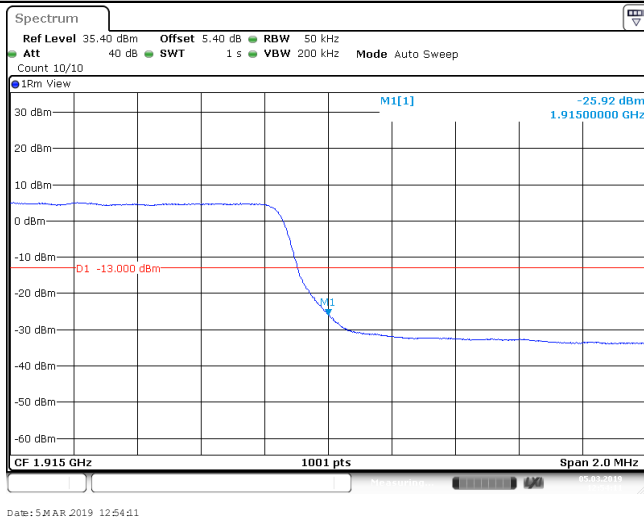


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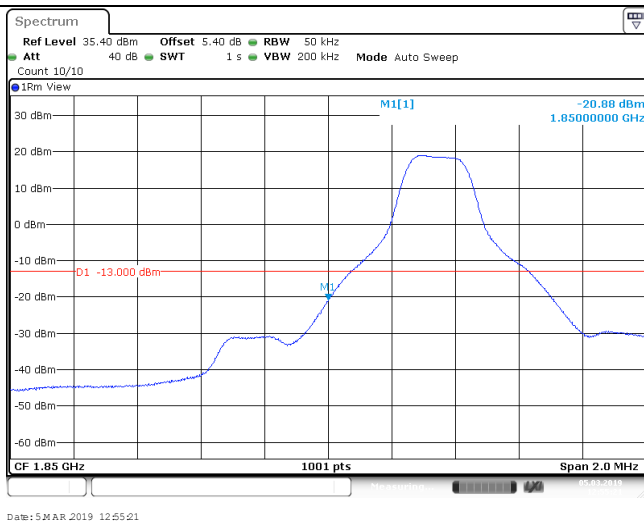


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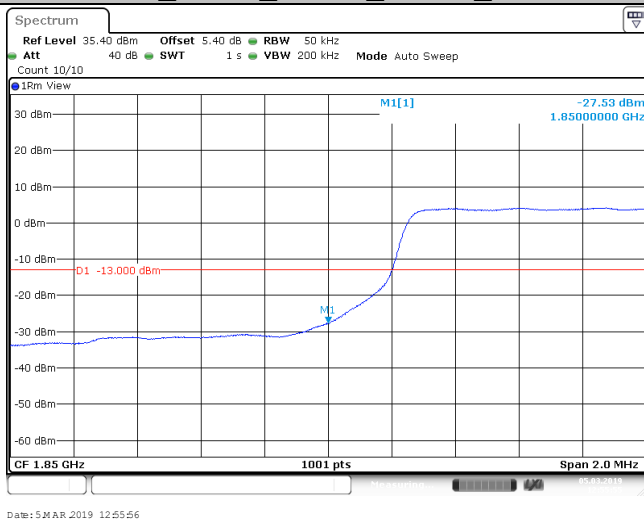


Band25_5MHz_QPSK_26065_1RB#0



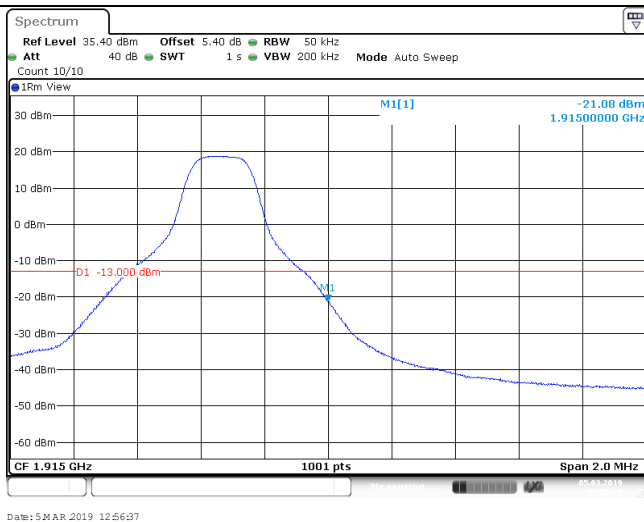


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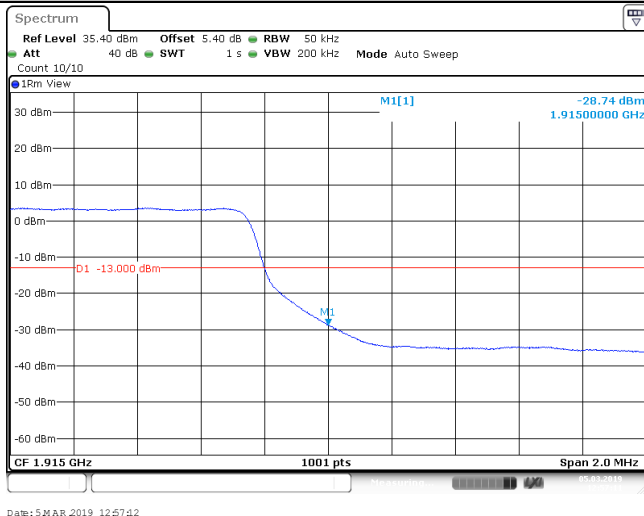


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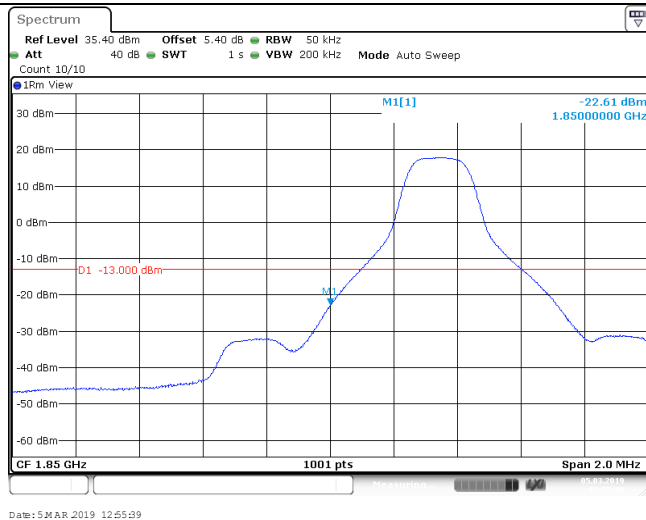


Band25_5MHz_QPSK_26665_25RB#0



Band25_5MHz_16QAM_26065_1RB#0



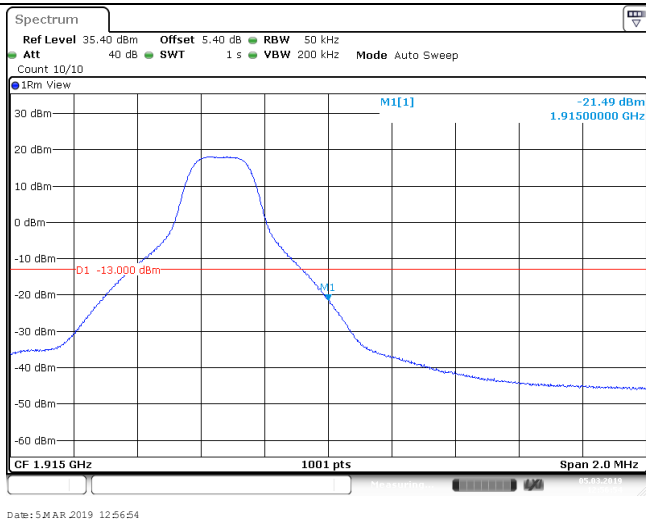


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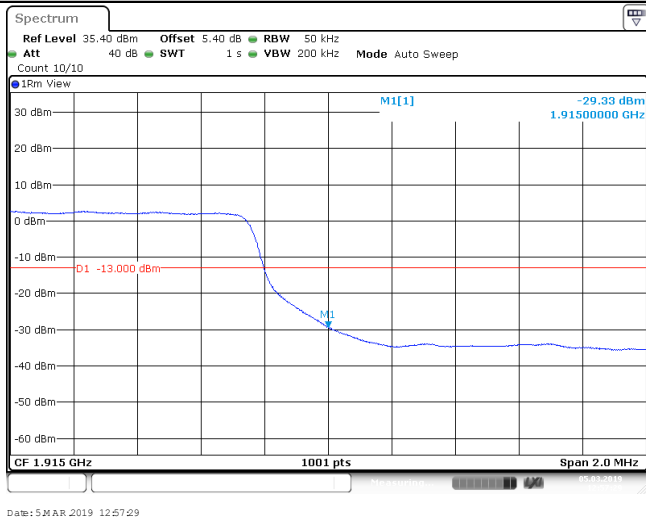


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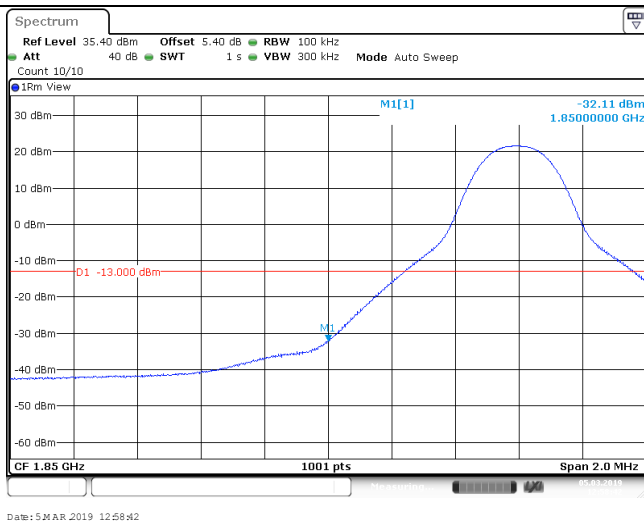


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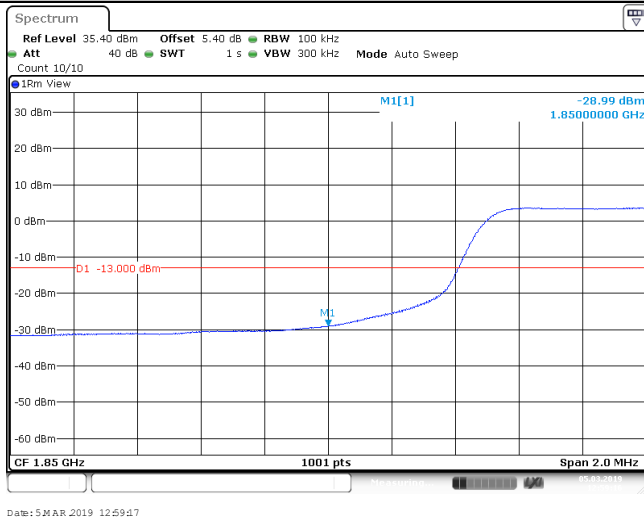


Band25_10MHz_QPSK_26090_1RB#0



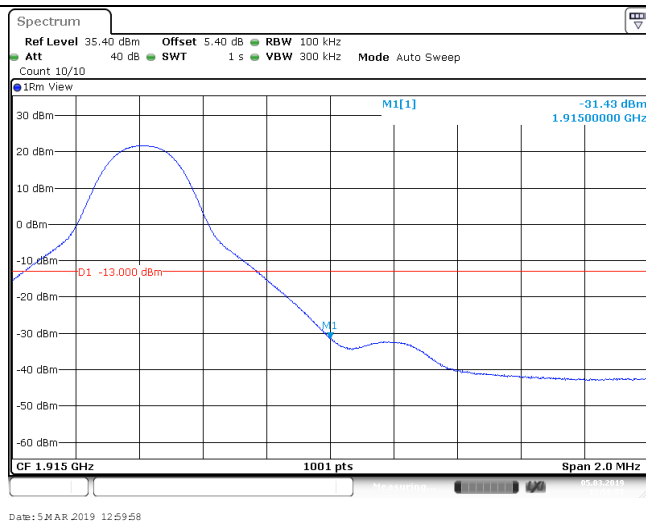


Band25_10MHz_QPSK_26090_50RB#0

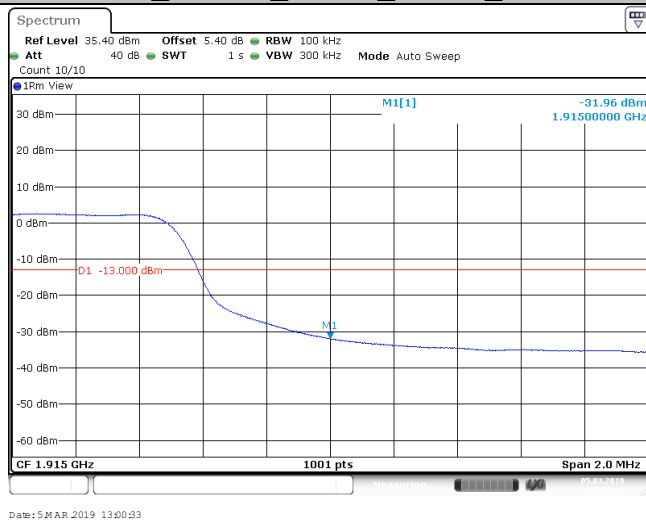


Band25_10MHz_QPSK_26640_1RB#49



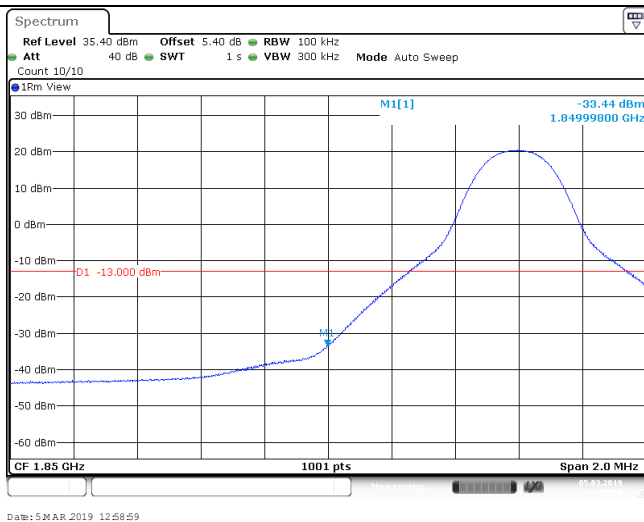


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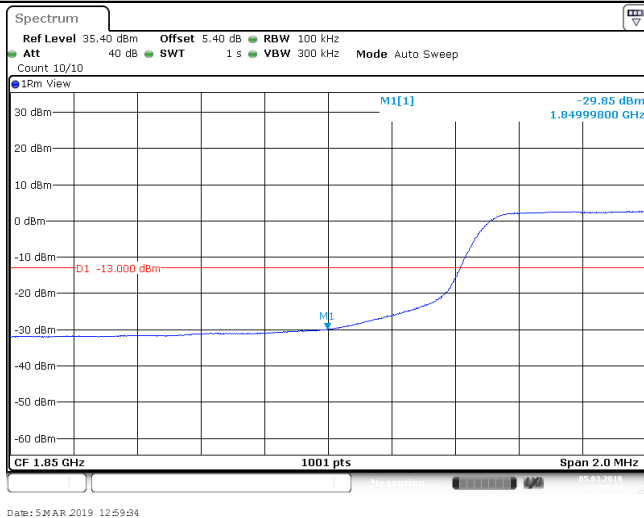


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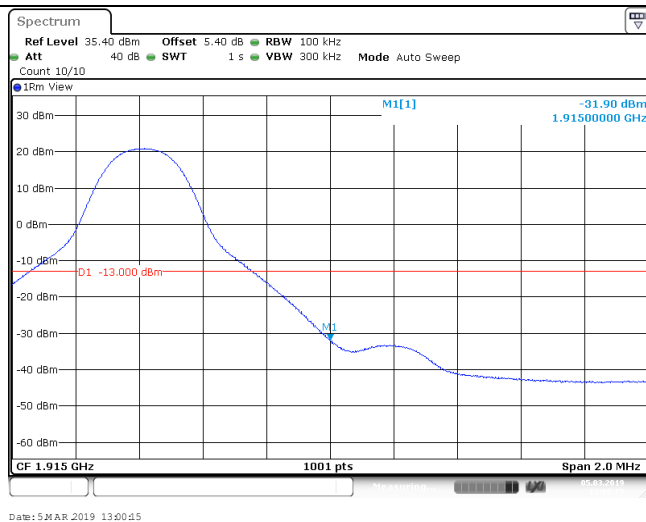


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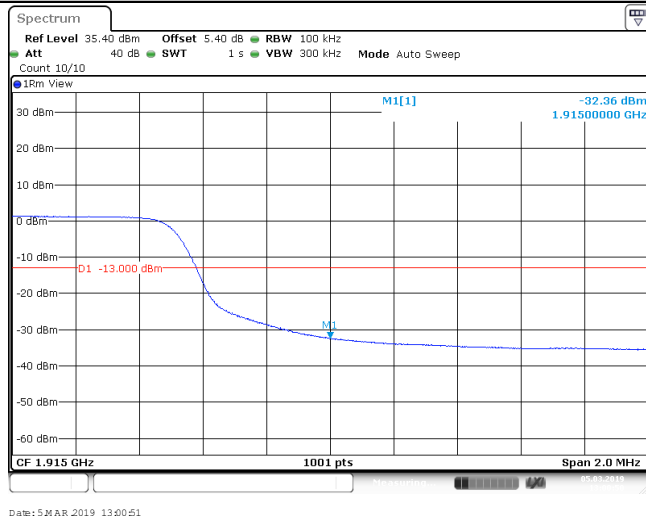


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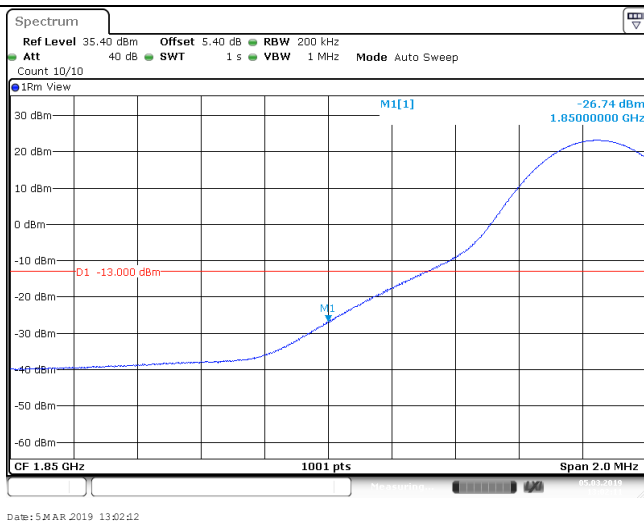


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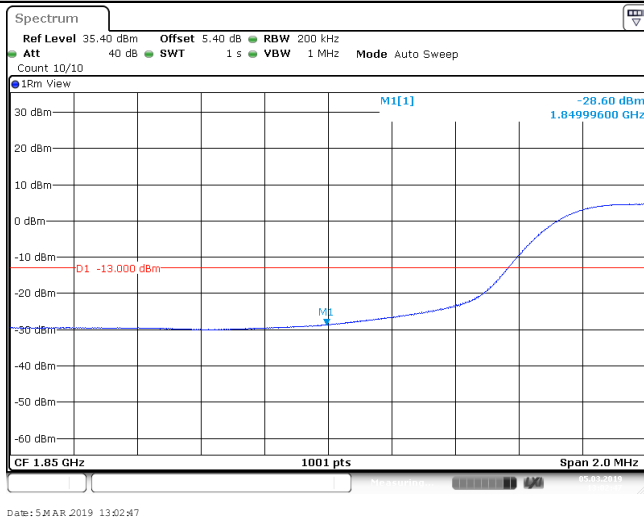


Band25_15MHz_QPSK_26115_1RB#0



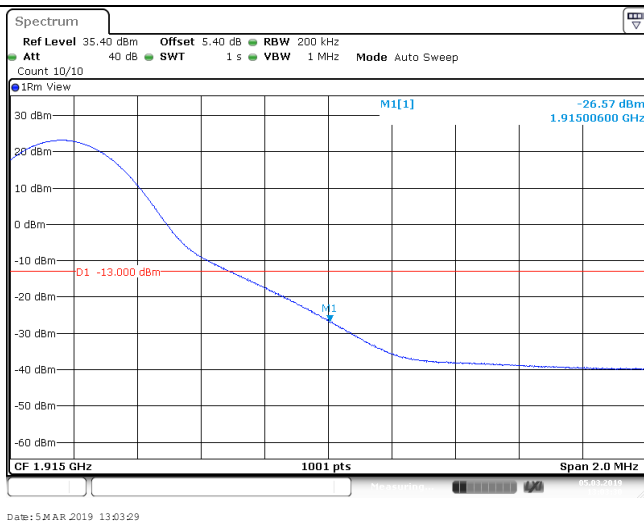


Band25_15MHz_QPSK_26115_75RB#0

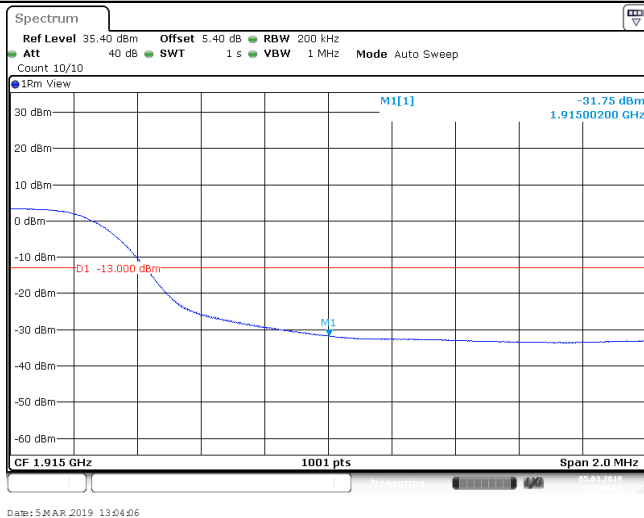


Band25_15MHz_QPSK_26615_1RB#74



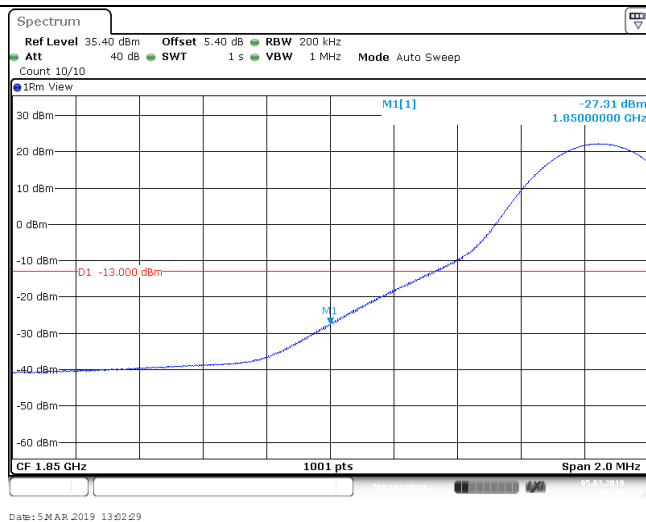


Band25_15MHz_QPSK_26615_75RB#0

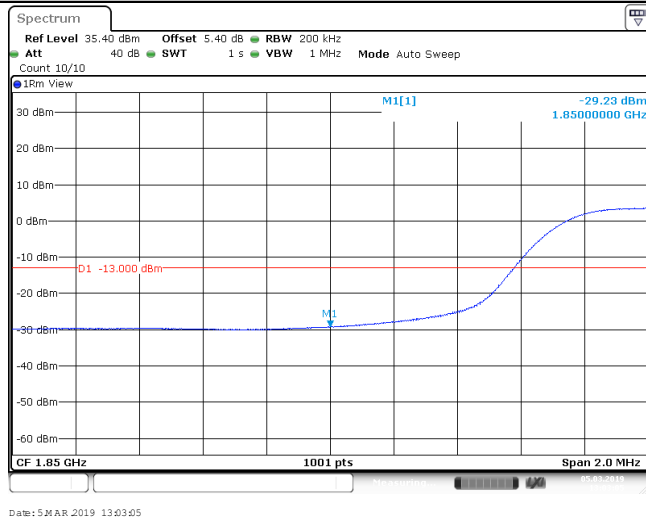


Band25_15MHz_16QAM_26115_1RB#0



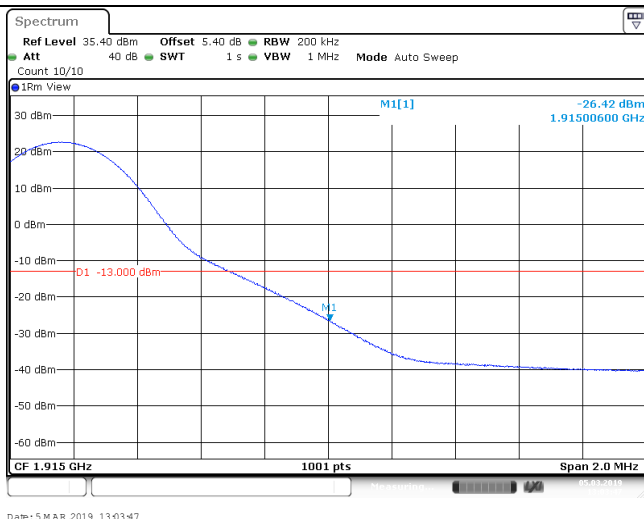


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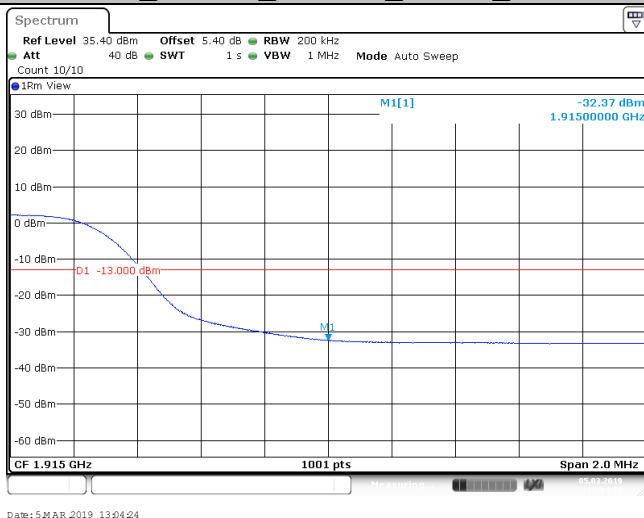


Band25_15MHz_16QAM_26615_1RB#74





Band25_15MHz_16QAM_26615_75RB#0

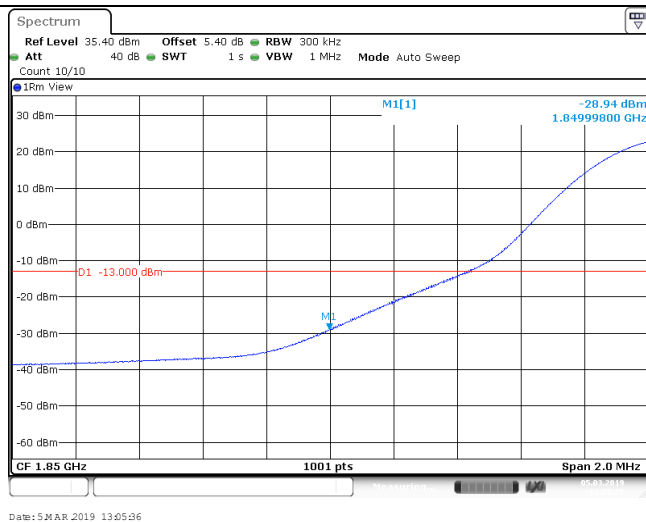


Band25_20MHz_QPSK_26140_1RB#0

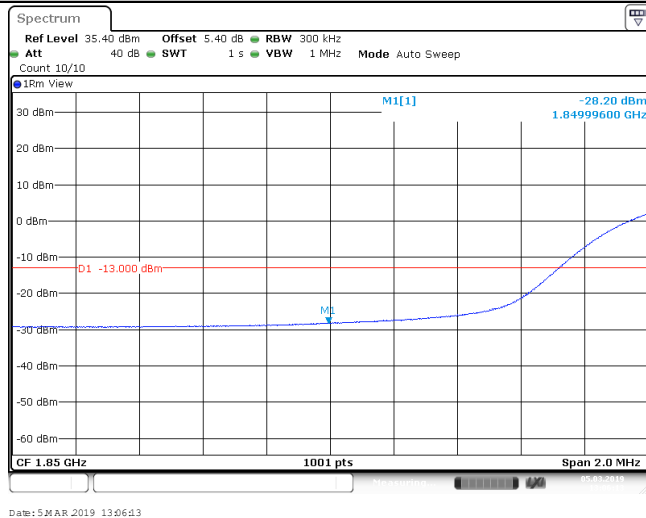


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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

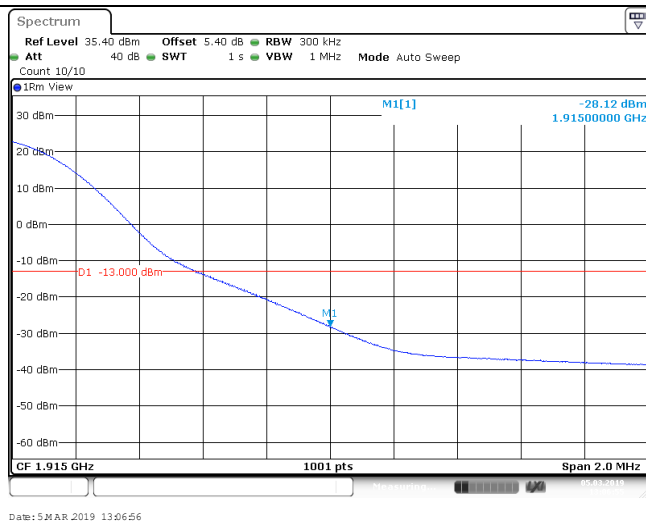


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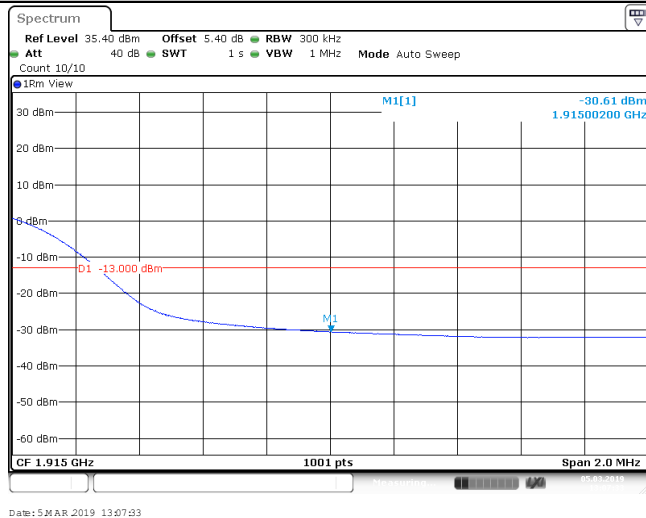


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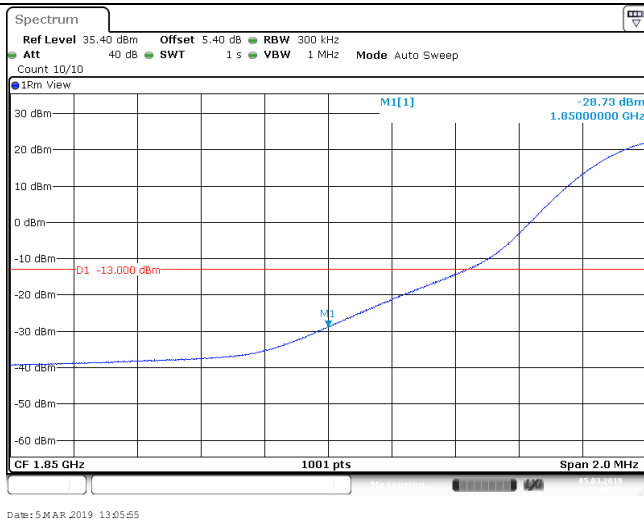


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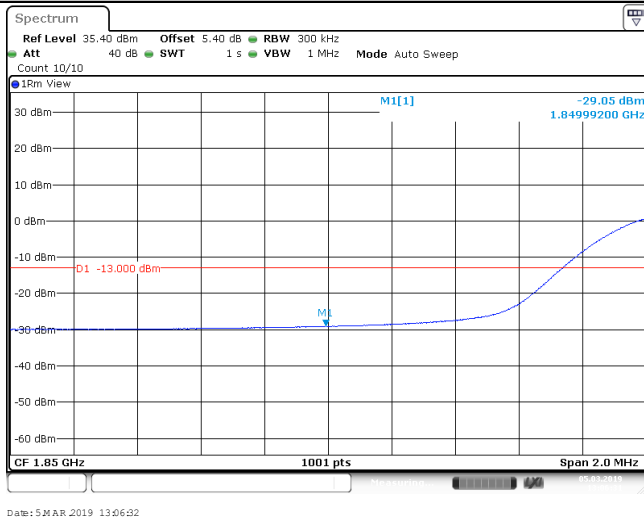


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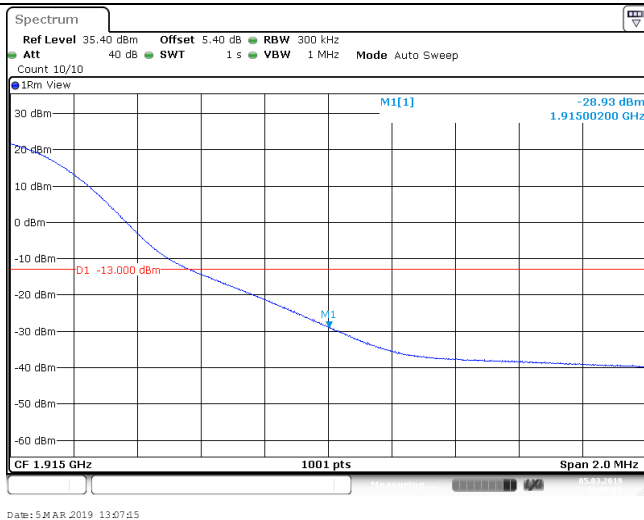


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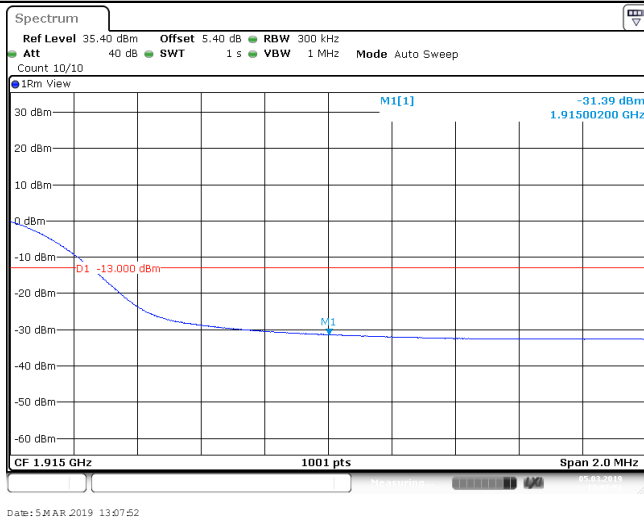


Band25_20MHz_16QAM_26590_1RB#99





Band25_20MHz_16QAM_26590_100RB#0



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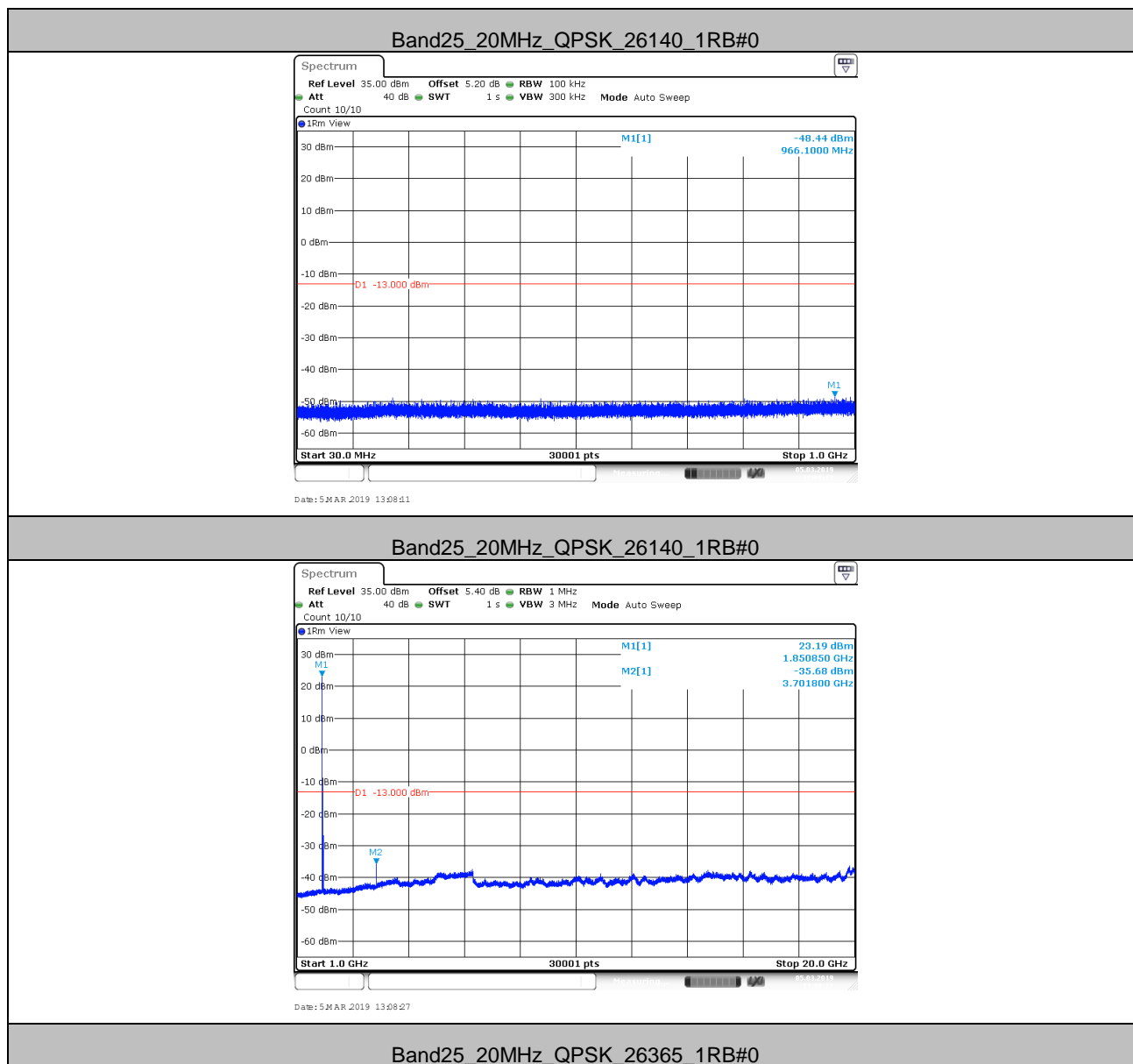
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6 Spurious Emission at Antenna Terminal

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 $< RBW/2$ 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



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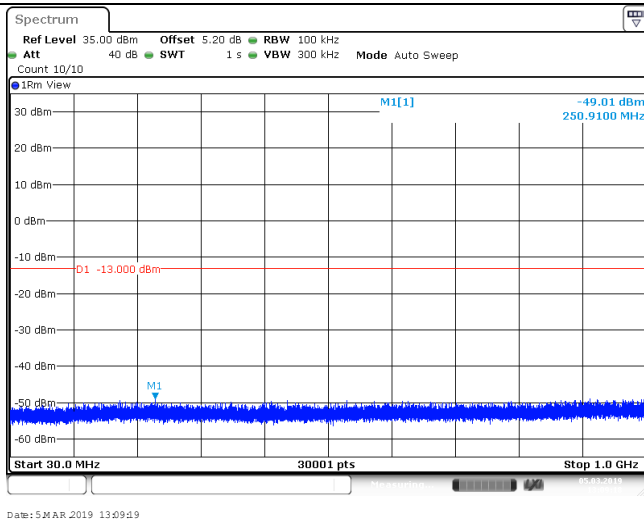
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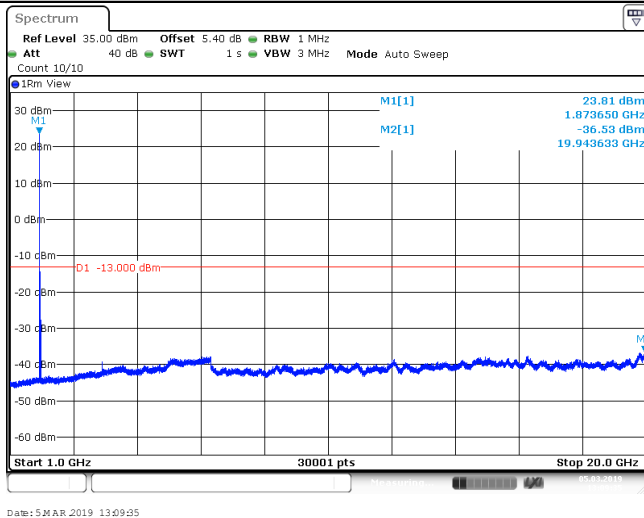
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Band25_20MHz_QPSK_26365_1RB#0



Band25_20MHz_QPSK_26590_1RB#0

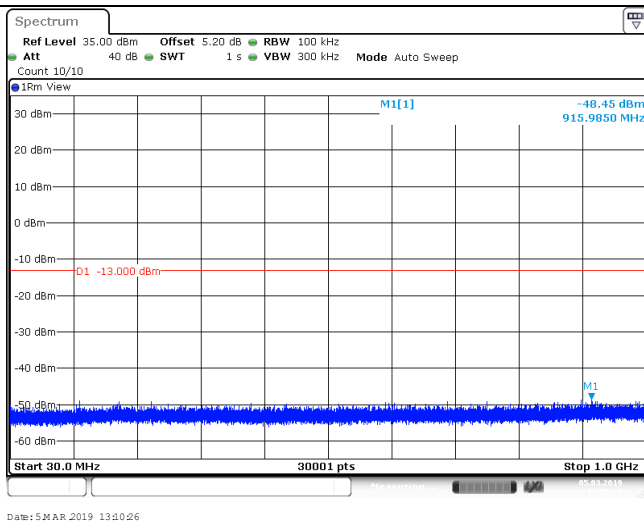


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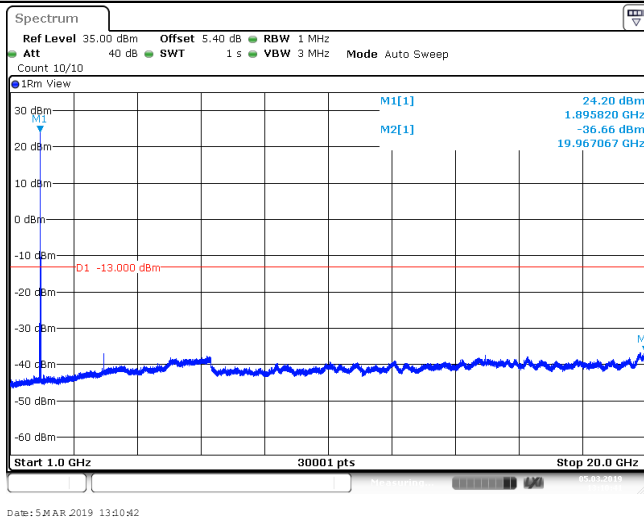
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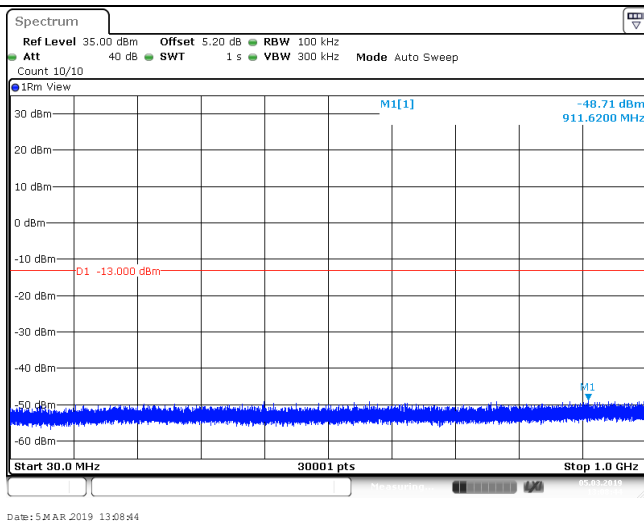


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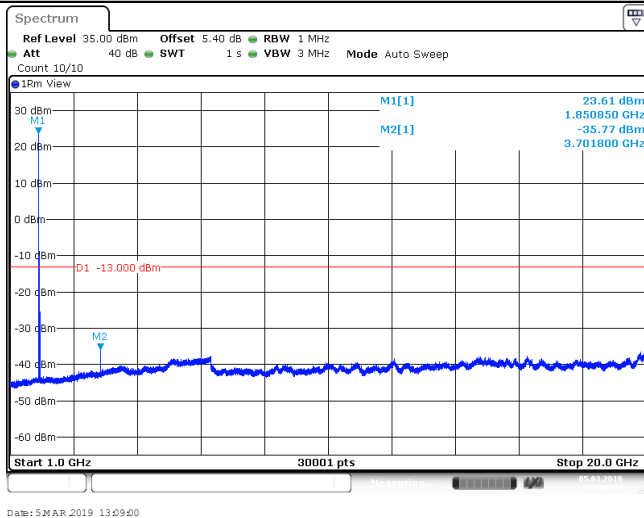


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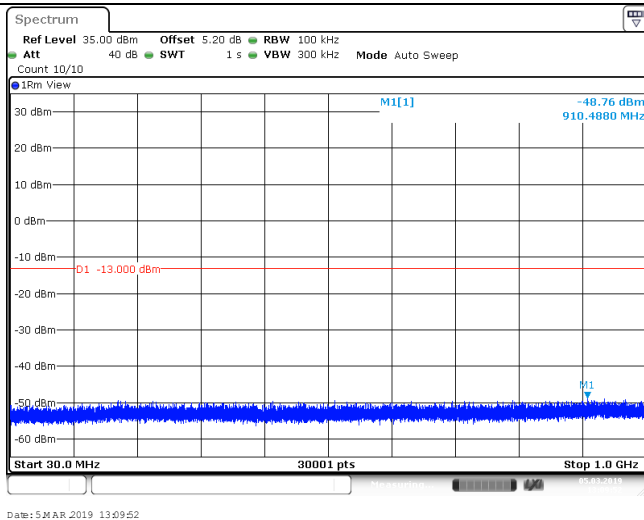


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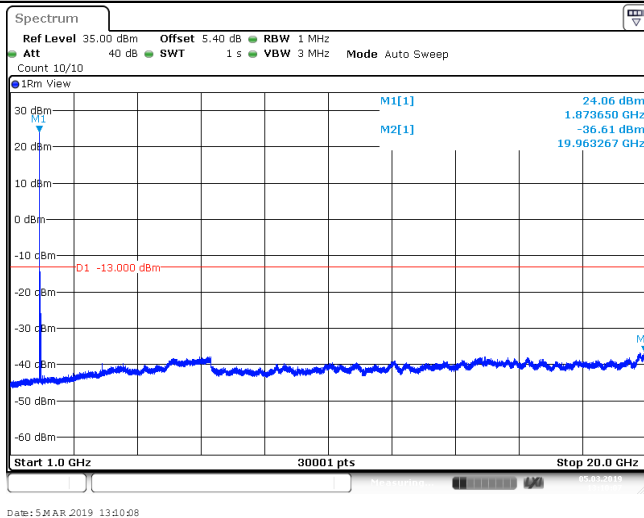


Band25_20MHz_16QAM_26365_1RB#0





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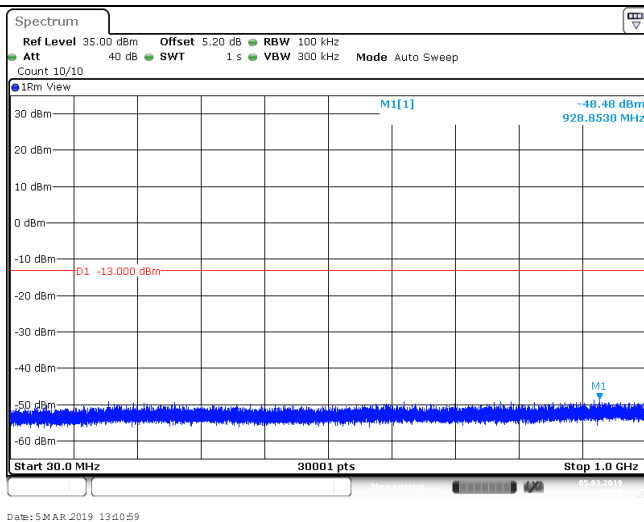


Band25_20MHz_16QAM_26590_1RB#0

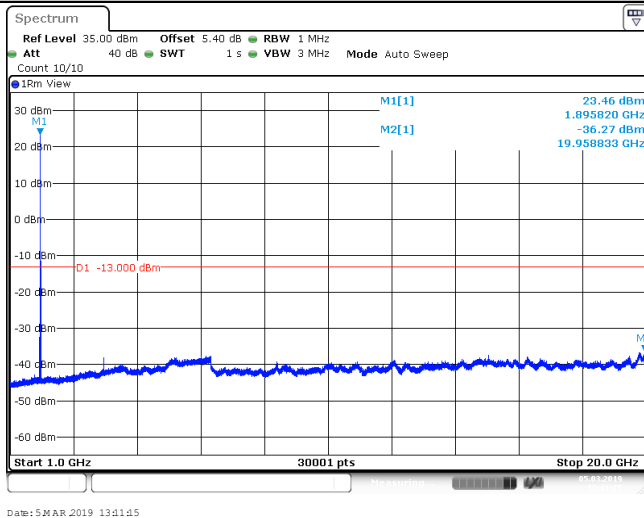


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7 Field Strength of Spurious Radiation

For LTE

7.1.1 Test BAND = LTE BAND 25

7.1.1.1 Test Mode =LTE/TM1 20MHz RB1#0

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
73.8462	-64.90	-13.00	51.90	Vertical
380.3815	-68.41	-13.00	55.41	Vertical
1152.4305	-49.05	-13.00	36.05	Vertical
3702.0234	-40.65	-13.00	27.65	Vertical
7404.1468	-48.15	-13.00	35.15	Vertical
17992.9998	-31.61	-13.00	18.61	Vertical
46.4423	-64.40	-13.00	51.40	Horizontal
234.8257	-68.13	-13.00	55.13	Horizontal
1208.8418	-48.74	-13.00	35.74	Horizontal
3702.0234	-42.61	-13.00	29.61	Horizontal
5553.0851	-45.78	-13.00	32.78	Horizontal
9255.7085	-37.22	-13.00	24.22	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
74.5252	-64.02	-13.00	51.02	Vertical
330.6665	-69.21	-13.00	56.21	Vertical
1425.6851	-47.72	-13.00	34.72	Vertical
3747.0249	-44.99	-13.00	31.99	Vertical
5620.5874	-50.67	-13.00	37.67	Vertical
17978.9993	-31.61	-13.00	18.61	Vertical
44.5022	-64.51	-13.00	51.51	Horizontal
236.7658	-68.55	-13.00	55.55	Horizontal
1429.6859	-48.30	-13.00	35.30	Horizontal
3747.0249	-45.48	-13.00	32.48	Horizontal
7494.1498	-43.12	-13.00	30.12	Horizontal
9368.2123	-38.43	-13.00	25.43	Horizontal



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7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
74.7677	-63.73	-13.00	50.73	Vertical
463.3207	-67.60	-13.00	54.60	Vertical
1222.0444	-48.45	-13.00	35.45	Vertical
3792.0264	-48.78	-13.00	35.78	Vertical
5688.0896	-46.80	-13.00	33.80	Vertical
17997.4999	-31.79	-13.00	18.79	Vertical
45.5693	-64.67	-13.00	51.67	Horizontal
228.8114	-68.75	-13.00	55.75	Horizontal
1207.6415	-48.80	-13.00	35.80	Horizontal
3792.0264	-47.71	-13.00	34.71	Horizontal
5688.0896	-45.36	-13.00	32.36	Horizontal
9480.2160	-39.86	-13.00	26.86	Horizontal

Remark:

- 1) The disturbance above 12.75GHz and 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.
- 2) We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.





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	1.00	0.000538	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	1.30	0.000699	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VH	NT	0.40	0.000215	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-23.20	-0.012324	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	3.10	0.001647	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	0.60	0.000319	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	-0.20	-0.000105	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	1.90	0.000997	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VH	NT	2.30	0.001207	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VL	NT	2.30	0.001237	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VN	NT	-0.50	-0.000269	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VH	NT	0.30	0.000161	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VL	NT	-0.20	-0.000106	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VN	NT	0.50	0.000266	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VH	NT	0.20	0.000106	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VL	NT	0.50	0.000262	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VN	NT	2.80	0.001470	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	1.70	0.000892	±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	0.20	0.000108	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	1.50	0.000806	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	1.20	0.000645	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	0.40	0.000215	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	20	0.20	0.000108	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	30	1.00	0.000538	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	3.60	0.001935	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	50	2.20	0.001183	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	1.50	0.000797	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-11.00	-0.005843	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	1.00	0.000531	±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	2.00	0.001062	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	1.90	0.001009	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-0.50	-0.000266	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-30	1.60	0.000840	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	-0.20	-0.000105	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	0.30	0.000157	±2.5	PASS



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Band25	20MHz	QPSK	26590	100RB#0	NV	10	1.10	0.000577	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	0.60	0.000315	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	-0.40	-0.000210	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	0.30	0.000157	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	0.90	0.000472	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-30	0.50	0.000269	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-20	-0.10	-0.000054	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	2.40	0.001290	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	1.60	0.000860	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	-0.70	-0.000376	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	-0.10	-0.000054	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	40	1.80	0.000968	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	50	1.10	0.000591	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-30	-0.50	-0.000266	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-20	1.20	0.000637	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	0	-1.60	-0.000850	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	10	2.10	0.001116	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	-18.10	-0.009615	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	-18.60	-0.009880	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	-1.70	-0.000903	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	3.80	0.002019	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-30	-0.60	-0.000315	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-20	1.70	0.000892	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	0.60	0.000315	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	0.90	0.000472	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	20	-1.20	-0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	30	-0.70	-0.000367	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	40	0.10	0.000052	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	0.50	0.000262	±2.5	PASS

The End

