



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	23.39	23.19	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.71	23.51	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.34	23.14	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	23.60	23.40	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	23.52	23.32	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	23.63	23.43	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.51	22.31	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.32	23.12	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.37	23.17	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.56	23.36	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	23.39	23.19	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	23.42	23.22	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	23.42	23.22	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.38	22.18	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.74	23.54	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.53	23.33	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.29	23.09	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	23.46	23.26	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	23.59	23.39	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	23.61	23.41	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.43	22.23	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.80	21.60	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.95	21.75	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.71	21.51	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	22.50	22.30	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	22.82	22.62	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	22.68	22.48	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.59	21.39	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.76	21.56	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.07	21.87	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.34	22.14	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	22.53	22.33	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#1	22.82	22.62	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	22.62	22.42	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.65	21.45	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.65	22.45	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.55	22.35	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.41	22.21	33.00	PASS



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Band25	1.4MHz	16QAM	26683	3RB#3	22.76	22.56	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#1	22.56	22.36	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	22.64	22.44	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.61	21.41	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.57	23.37	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.62	23.42	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.33	23.13	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	22.53	22.33	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#4	22.46	22.26	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	22.48	22.28	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.54	22.34	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.30	23.10	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.31	23.11	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.69	23.49	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	22.47	22.27	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	22.45	22.25	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#4	22.52	22.32	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.54	22.34	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.46	23.26	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.41	23.21	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.50	23.30	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#4	22.84	22.64	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	22.27	22.07	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	22.73	22.53	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.54	22.34	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.59	21.39	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.03	21.83	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.97	21.77	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	21.22	21.02	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	21.29	21.09	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#4	21.42	21.22	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.50	21.30	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.84	21.64	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.73	21.53	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.84	21.64	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#4	21.35	21.15	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	21.28	21.08	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	21.22	21.02	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.50	21.30	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.90	21.70	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.00	21.80	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.99	21.79	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	21.75	21.55	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	21.53	21.33	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#4	21.46	21.26	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.54	21.34	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.39	23.19	33.00	PASS



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Band25	5MHz	QPSK	26065	1RB#12	23.29	23.09	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.54	23.34	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	22.39	22.19	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	22.55	22.35	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	22.39	22.19	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.55	22.35	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.23	23.03	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.48	23.28	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.07	22.87	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	22.38	22.18	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	22.46	22.26	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	22.52	22.32	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.48	22.28	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.27	23.07	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.15	22.95	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.40	23.20	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	22.10	21.90	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	22.39	22.19	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	22.82	22.62	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.41	22.21	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.73	21.53	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.27	22.07	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.29	22.09	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	21.42	21.22	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#0	21.40	21.20	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	21.34	21.14	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.52	21.32	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.79	21.59	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.52	22.32	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.77	21.57	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	21.44	21.24	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	21.24	21.04	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	21.34	21.14	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.43	21.23	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.12	21.92	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.74	21.54	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.47	22.27	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	21.43	21.23	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	21.41	21.21	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	21.49	21.29	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.41	21.21	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.67	23.47	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.35	23.15	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.93	22.73	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#12	22.39	22.19	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	22.91	22.71	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	22.31	22.11	33.00	PASS



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Band25	10MHz	QPSK	26090	50RB#0	22.47	22.27	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.31	23.11	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.43	23.23	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.70	23.50	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	22.79	22.59	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#12	22.52	22.32	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	22.43	22.23	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.53	22.33	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.85	22.65	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.89	23.69	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.81	23.61	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	22.79	22.59	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	22.42	22.22	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#12	22.19	21.99	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.65	22.45	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.26	22.06	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.29	22.09	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.11	21.91	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	21.59	21.39	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#12	21.43	21.23	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	21.41	21.21	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.41	21.21	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.09	21.89	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	21.99	21.79	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.95	21.75	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	21.54	21.34	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#12	21.64	21.44	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#0	21.53	21.33	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.40	21.20	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.38	22.18	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.63	22.43	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.96	21.76	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	21.58	21.38	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#12	21.61	21.41	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	21.67	21.47	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.57	21.37	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.17	22.97	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.67	23.47	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.14	22.94	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	22.39	22.19	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	22.34	22.14	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	22.82	22.62	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.47	22.27	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.06	22.86	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.43	23.23	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.48	23.28	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	22.81	22.61	33.00	PASS



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Band25	15MHz	QPSK	26365	36RB#39	22.37	22.17	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#18	22.53	22.33	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.65	22.45	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.23	23.03	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.39	23.19	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.63	23.43	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	22.47	22.27	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	22.83	22.63	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	22.14	21.94	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.81	22.61	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.51	22.31	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.00	21.80	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.21	22.01	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#0	21.56	21.36	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	21.35	21.15	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	21.29	21.09	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.50	21.30	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.96	21.76	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.57	22.37	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.00	21.80	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	21.64	21.44	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	21.58	21.38	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	21.61	21.41	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.47	21.27	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.27	22.07	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.05	21.85	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.10	21.90	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	21.59	21.39	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	21.53	21.33	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	21.53	21.33	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.63	21.43	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.58	23.38	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.31	23.11	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.56	23.36	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	22.41	22.21	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	22.69	22.49	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.38	22.18	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.53	22.33	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.92	22.72	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.55	23.35	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.76	23.56	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	22.64	22.44	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	22.92	22.72	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#50	22.37	22.17	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.66	22.46	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.34	23.14	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.24	23.04	33.00	PASS



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Band25	20MHz	QPSK	26590	1RB#99	22.96	22.76	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	22.75	22.55	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	22.67	22.47	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	22.24	22.04	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.62	22.42	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.08	21.88	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.98	21.78	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.08	21.88	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	21.54	21.34	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	21.46	21.26	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	21.55	21.35	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.39	21.19	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.35	22.15	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.09	21.89	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.52	22.32	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	21.53	21.33	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	21.62	21.42	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	21.66	21.46	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.59	21.39	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.41	22.21	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.62	22.42	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.23	22.03	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	21.74	21.54	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	21.64	21.44	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	21.78	21.58	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.65	21.45	33.00	PASS

Remark:

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

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

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



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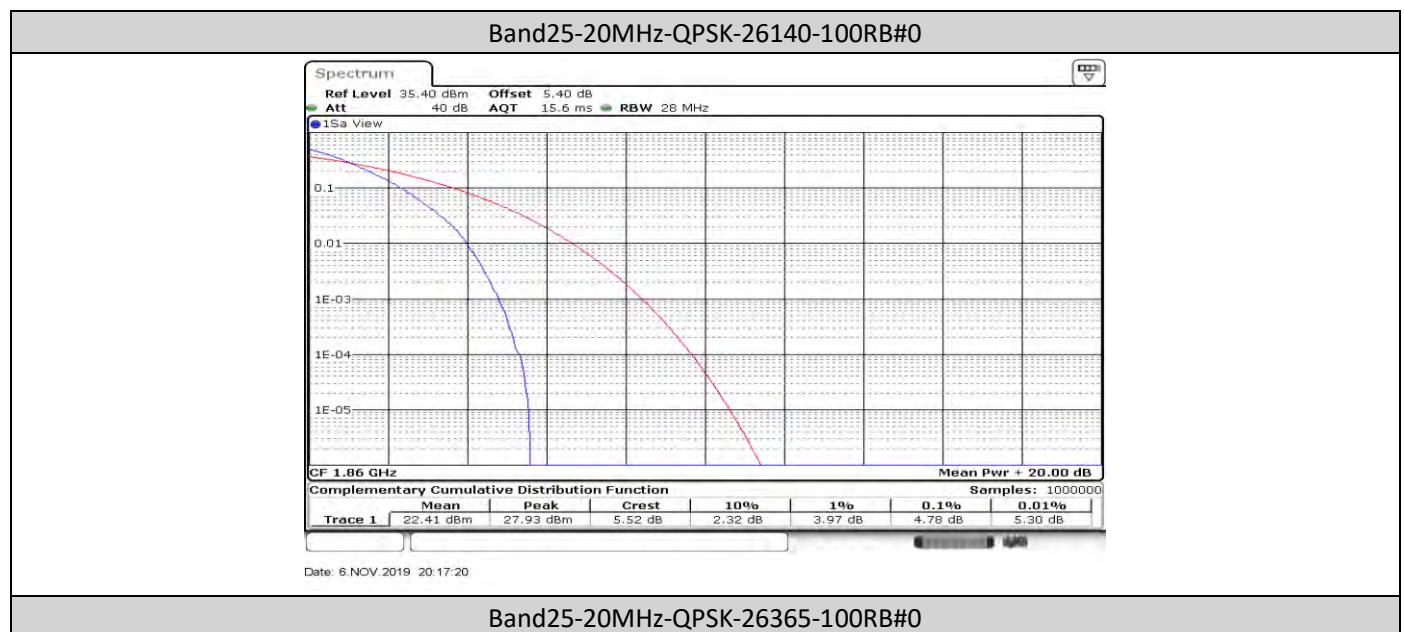


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	4.78	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.96	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.70	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.62	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.91	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.80	13	PASS

2.2. Test Plots





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



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



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

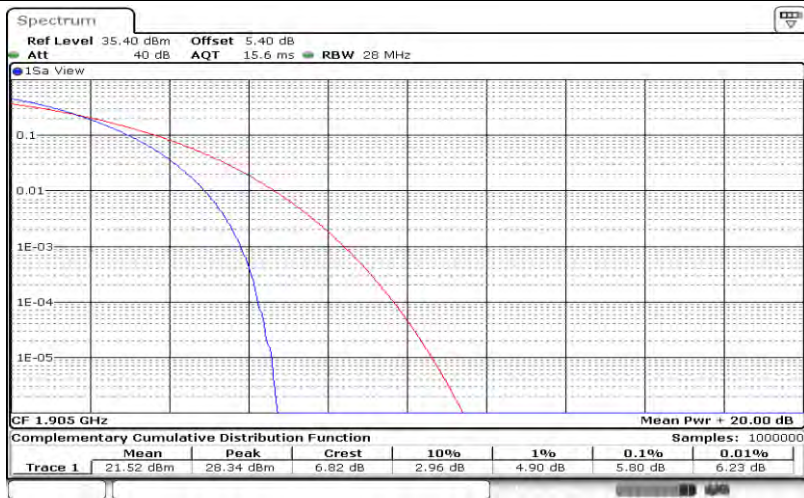


Band25-20MHz-16QAM-26590-100RB#0



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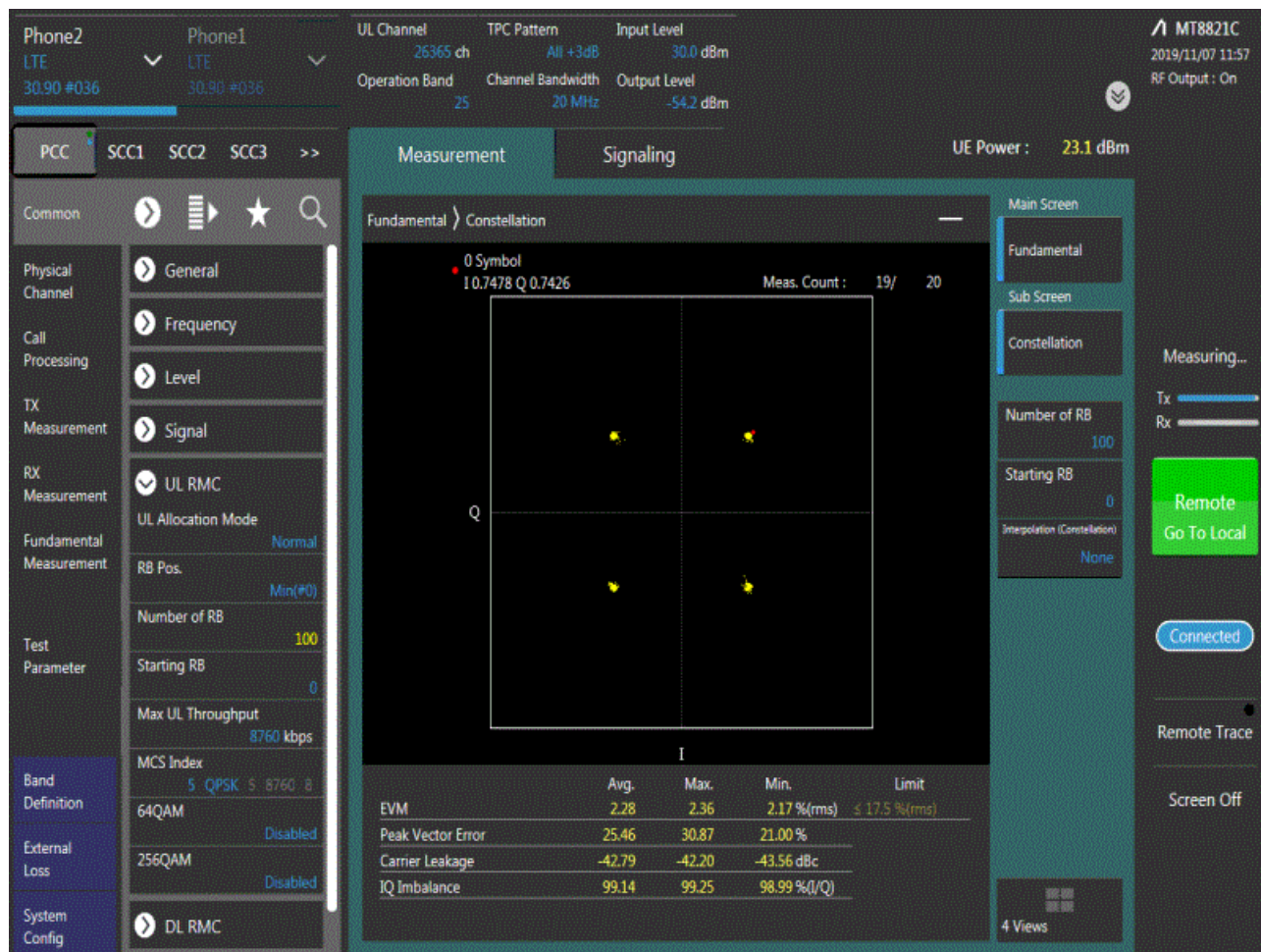
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

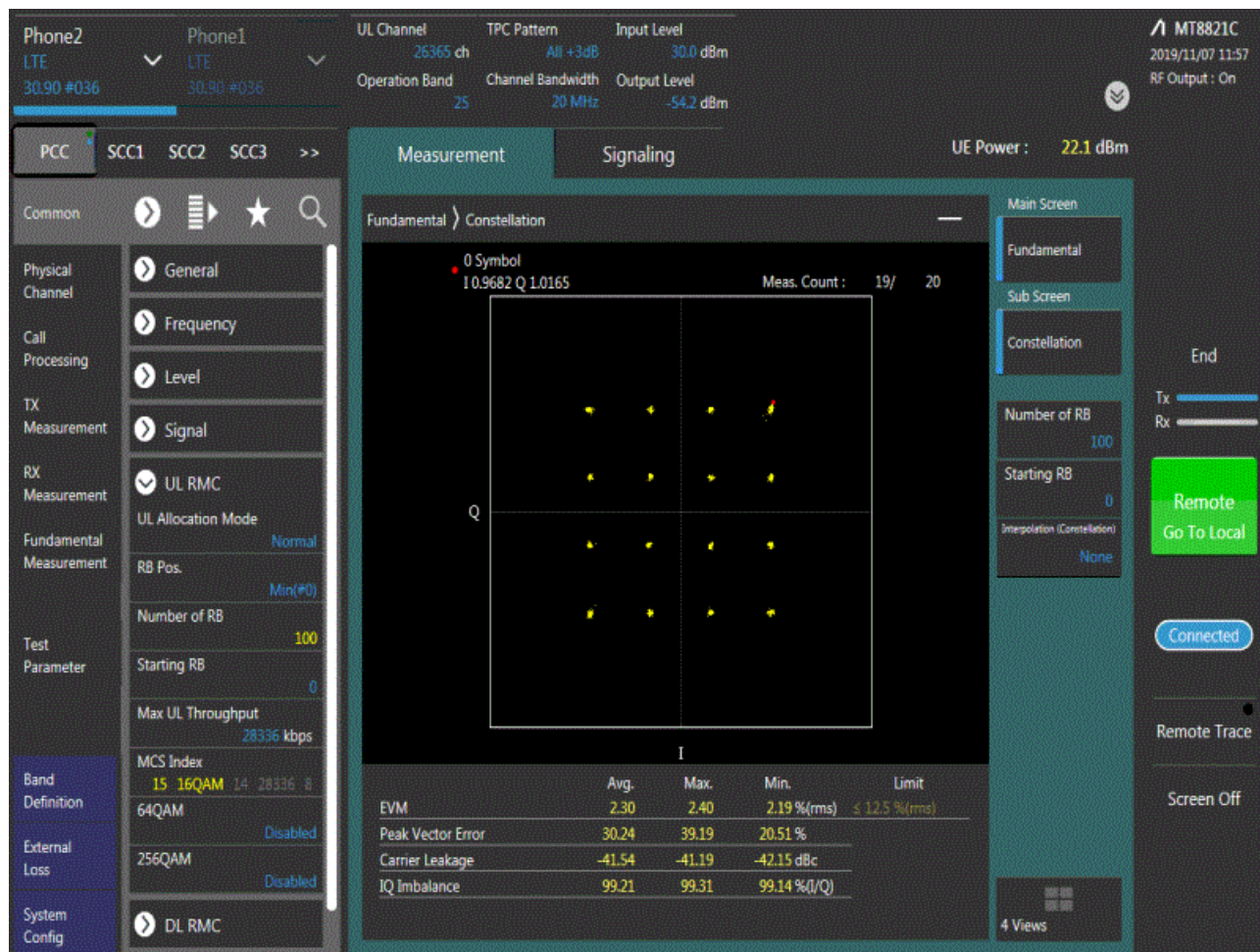
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. 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	1.100	1.290	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.097	1.314	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.094	1.320	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.097	1.308	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.091	1.278	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.103	1.320	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	2.988	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.697	2.976	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.703	3.006	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.697	2.994	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.697	3.000	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.697	3.000	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.466	4.940	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.476	4.940	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.486	5.000	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.476	4.920	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.486	4.950	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	4.940	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.911	9.600	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.911	9.700	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.931	9.820	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.911	9.680	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.931	9.680	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.911	9.680	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.367	14.700	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.457	14.880	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.397	14.730	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.397	14.730	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.427	14.790	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.397	14.760	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.822	19.200	PASS



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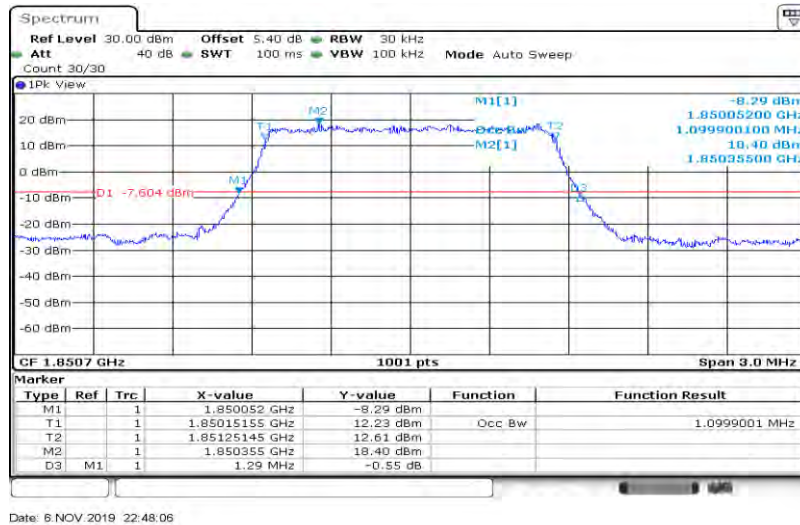
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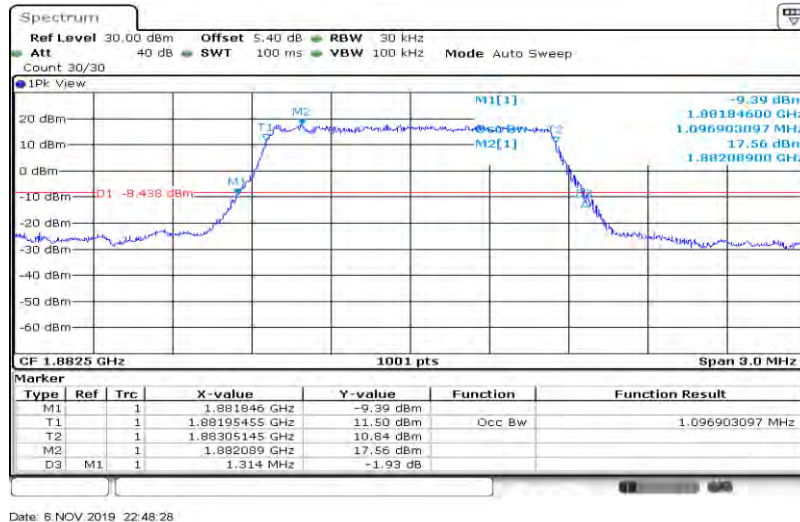
Band25	20MHz	QPSK	26365	100RB#0	17.862	19.480	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.782	19.200	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.862	19.320	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.862	19.240	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.782	19.320	PASS

4.2. Test Plots

Band25-1.4MHz-QPSK-26047-6RB#0-1.1



Band25-1.4MHz-QPSK-26365-6RB#0-1.097

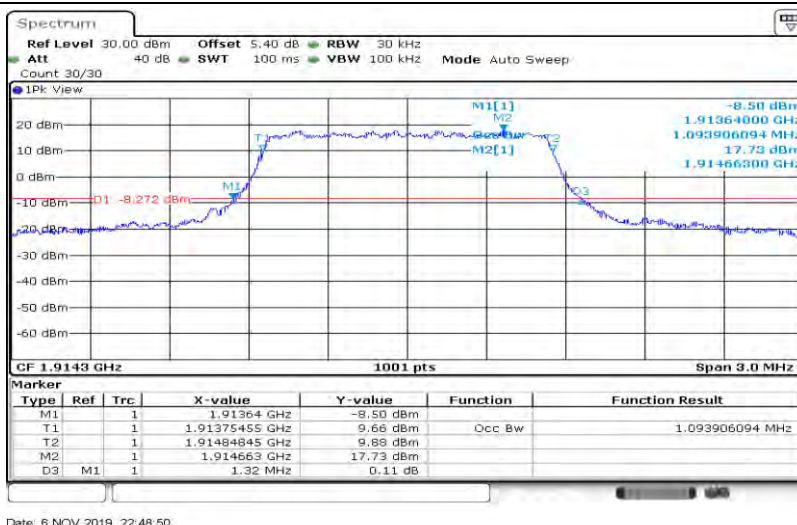


Band25-1.4MHz-QPSK-26683-6RB#0-1.094

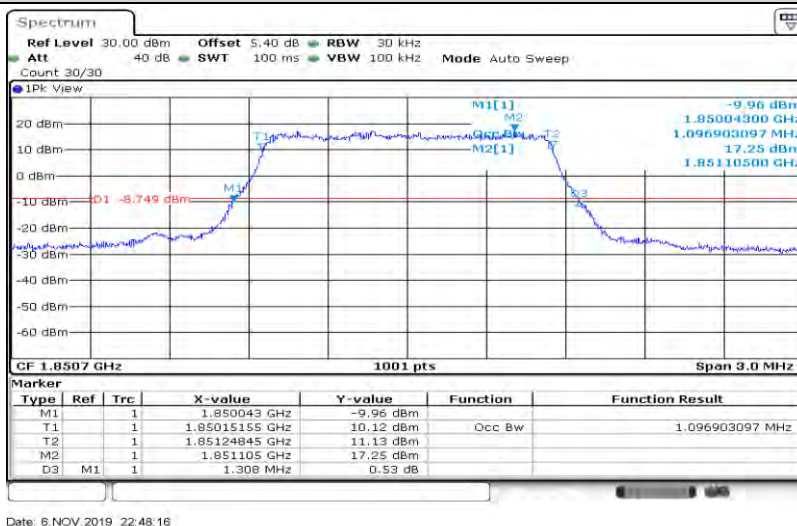


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Band25-1.4MHz-16QAM-26047-6RB#0-1.097

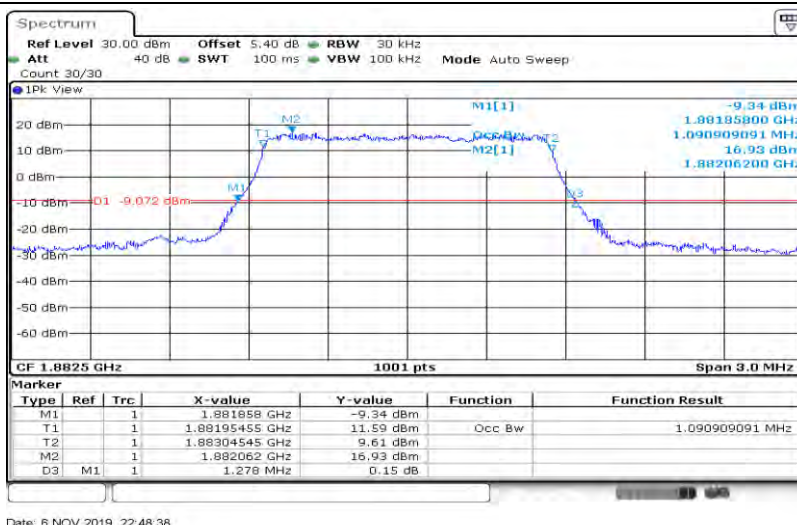


Band25-1.4MHz-16QAM-26365-6RB#0-1.091



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Band25-1.4MHz-16QAM-26683-6RB#0-1.103

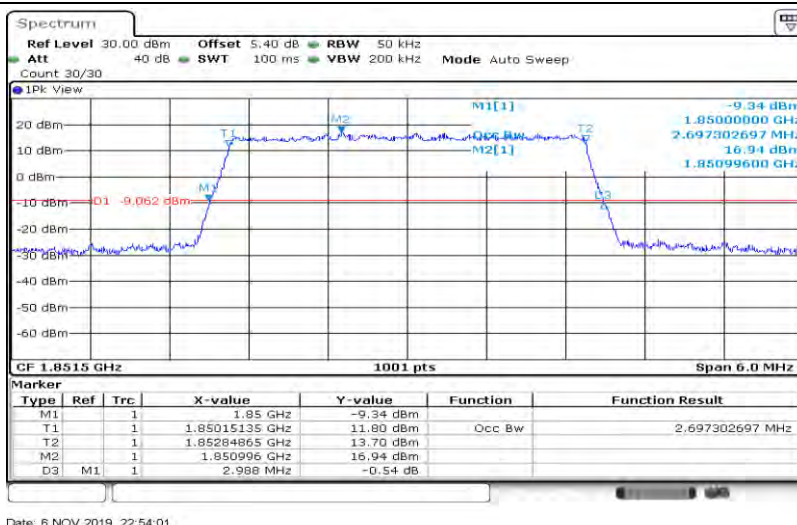


Band25-3MHz-QPSK-26055-15RB#0-2.697

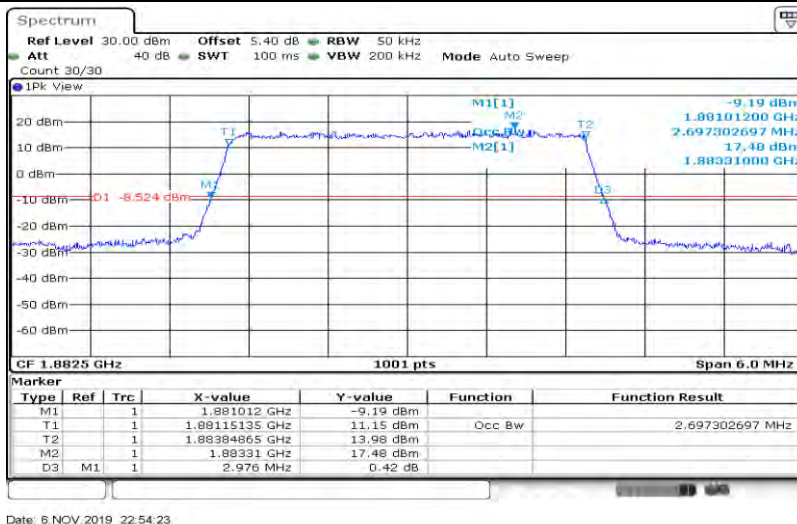


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Band25-3MHz-QPSK-26365-15RB#0-2.697

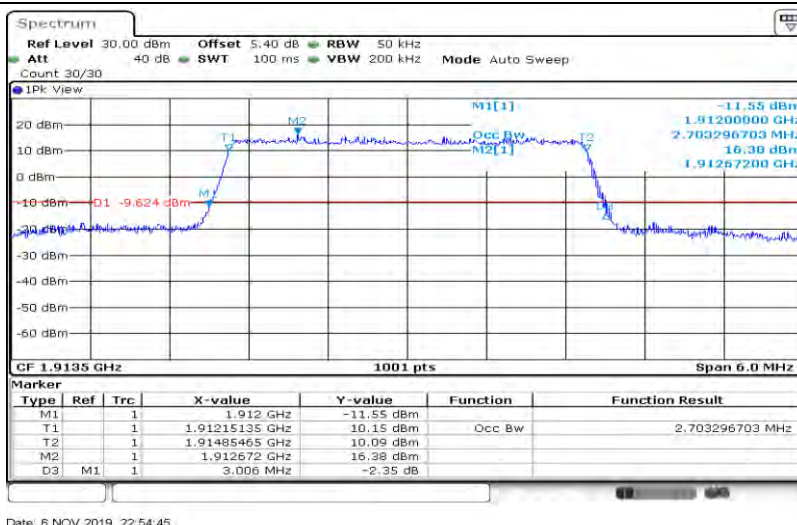


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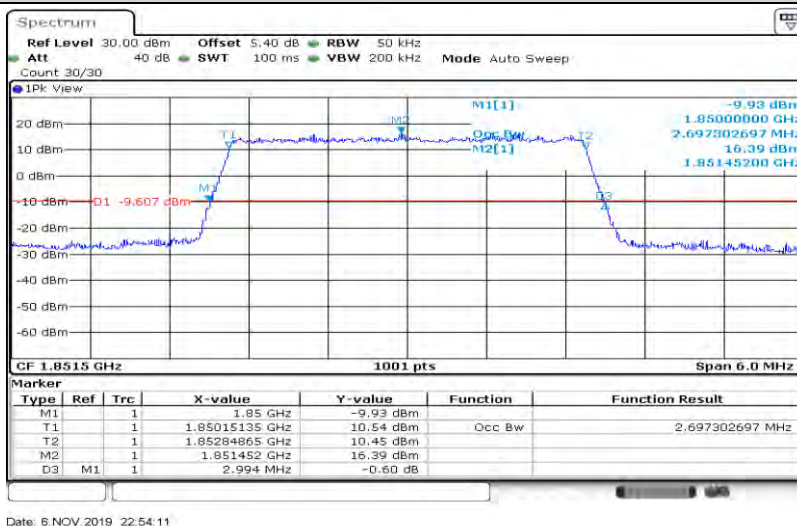


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Band25-3MHz-16QAM-26055-15RB#0-2.697

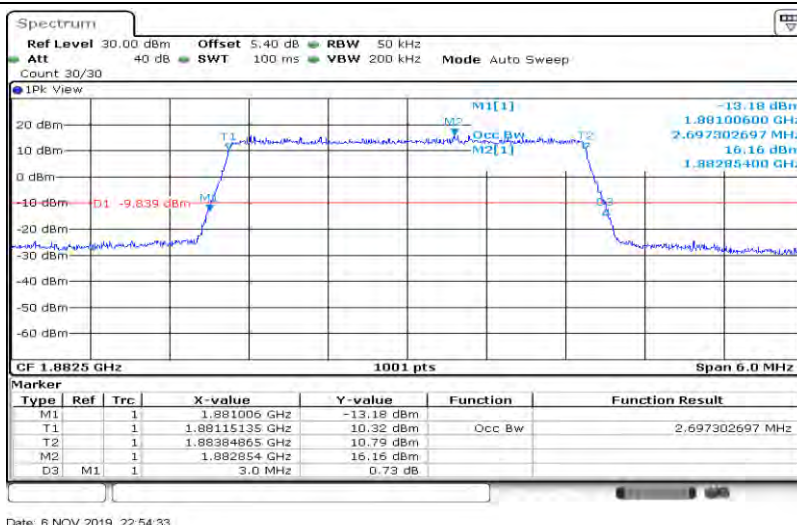


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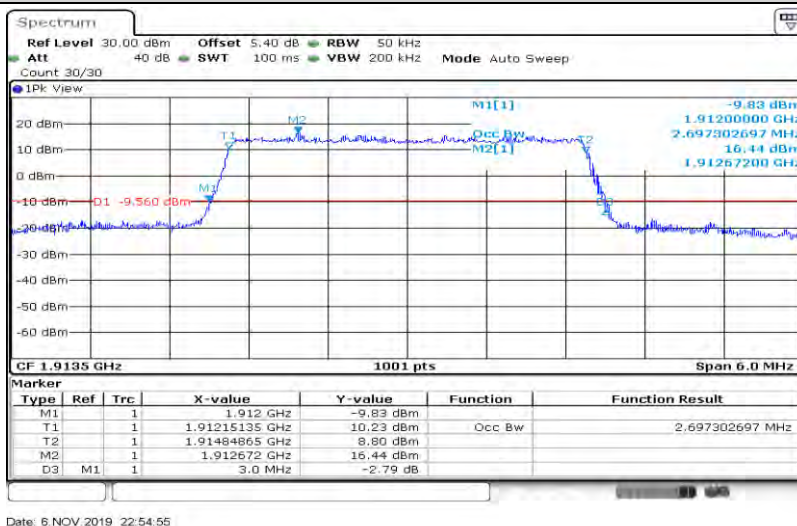


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Band25-3MHz-16QAM-26675-15RB#0-2.697

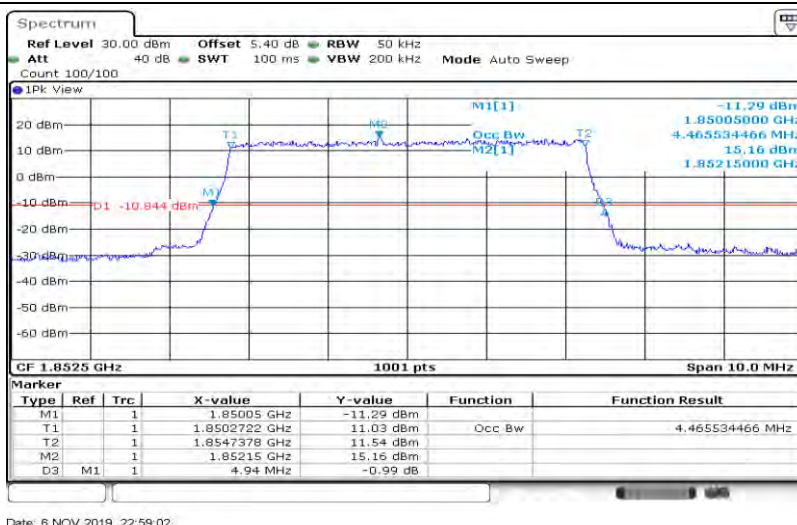


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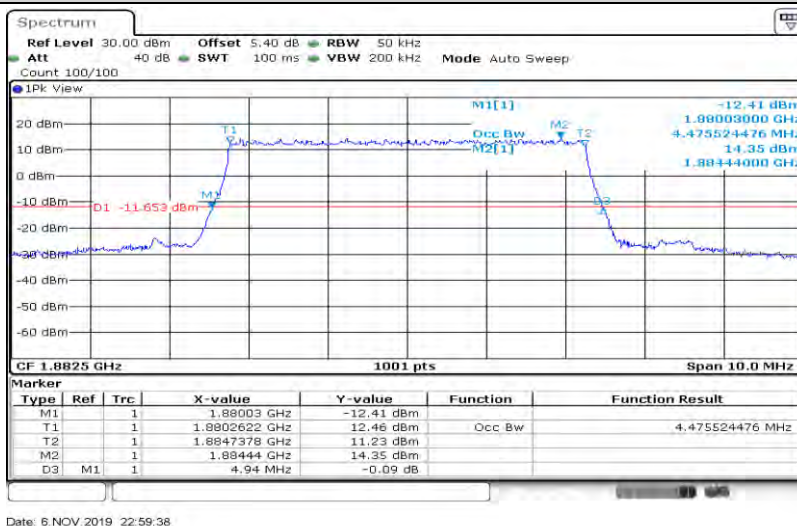


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Band25-5MHz-QPSK-26365-25RB#0-4.476

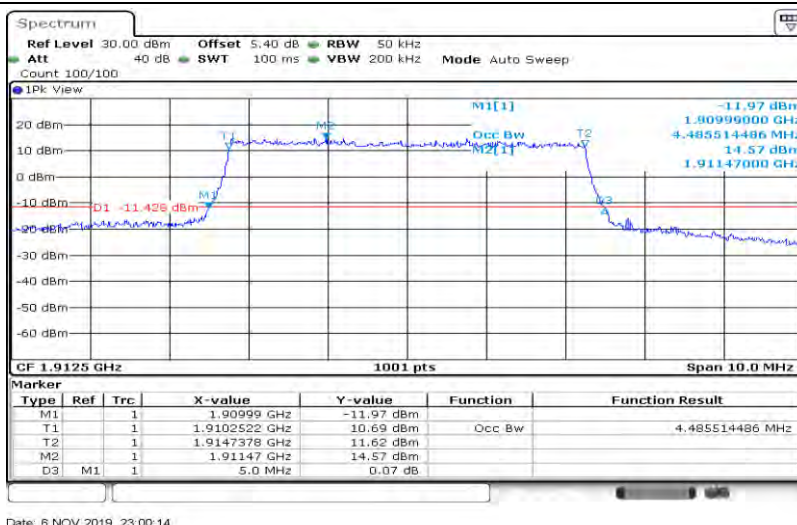


Band25-5MHz-QPSK-26665-25RB#0-4.486

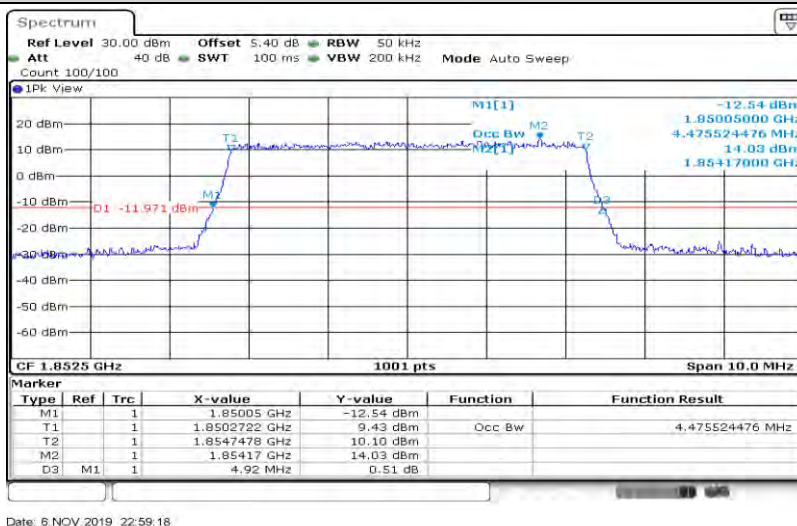


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Band25-5MHz-16QAM-26065-25RB#0-4.476



Band25-5MHz-16QAM-26365-25RB#0-4.486



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



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





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

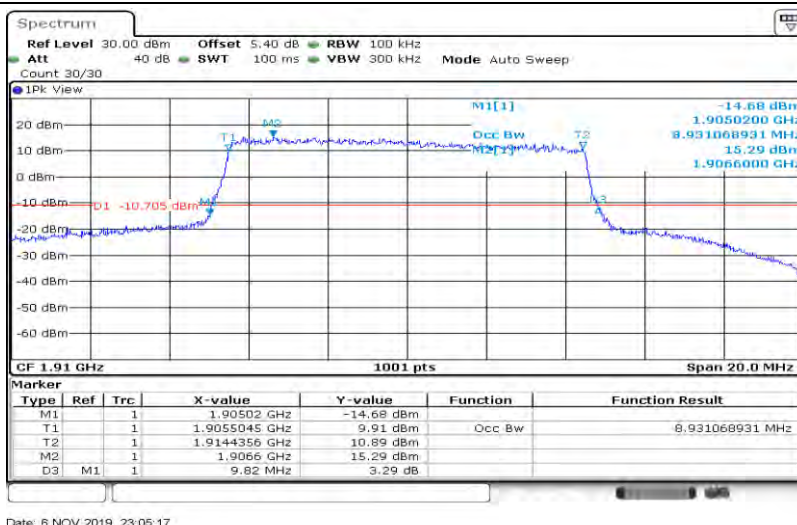


Band25-10MHz-QPSK-26640-50RB#0-8.931

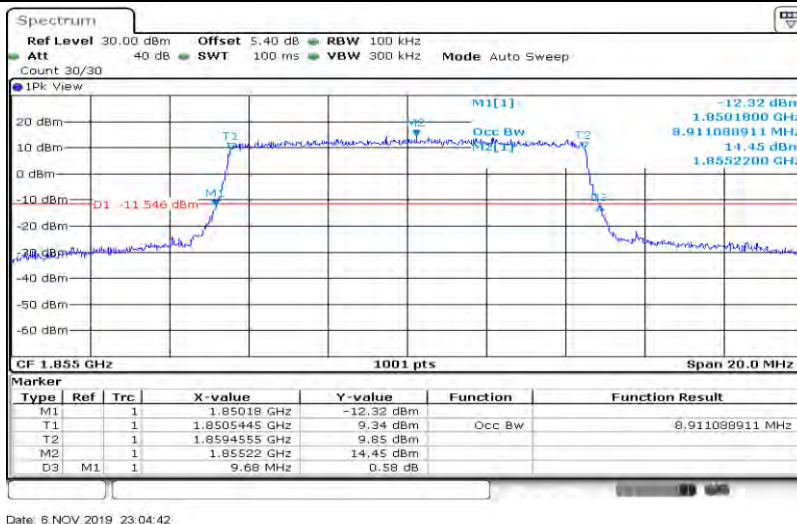


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Band25-10MHz-16QAM-26090-50RB#0-8.911

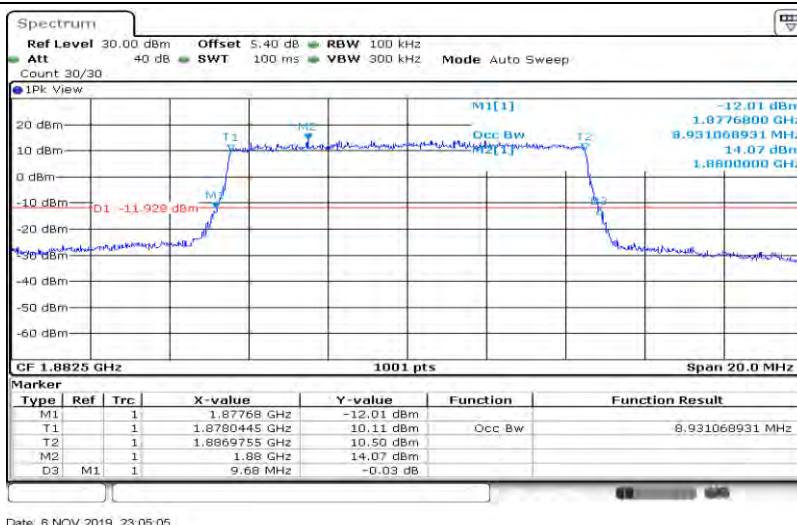


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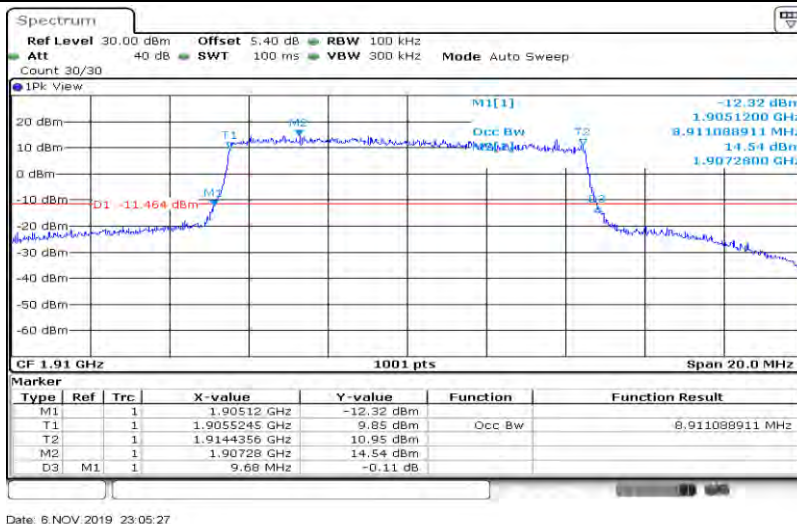


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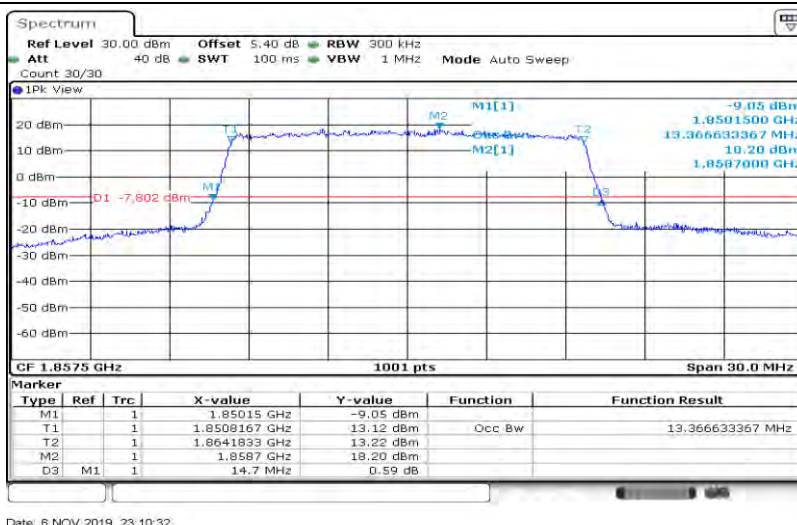


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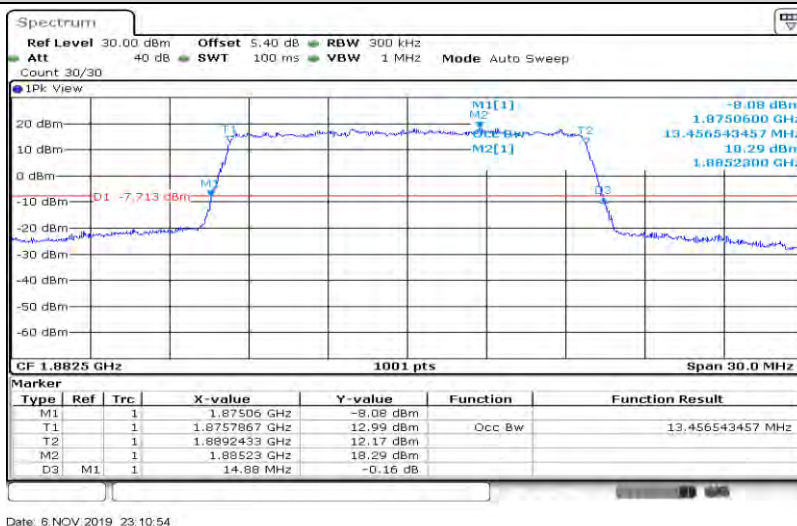


Band25-15MHz-QPSK-26115-75RB#0-13.367





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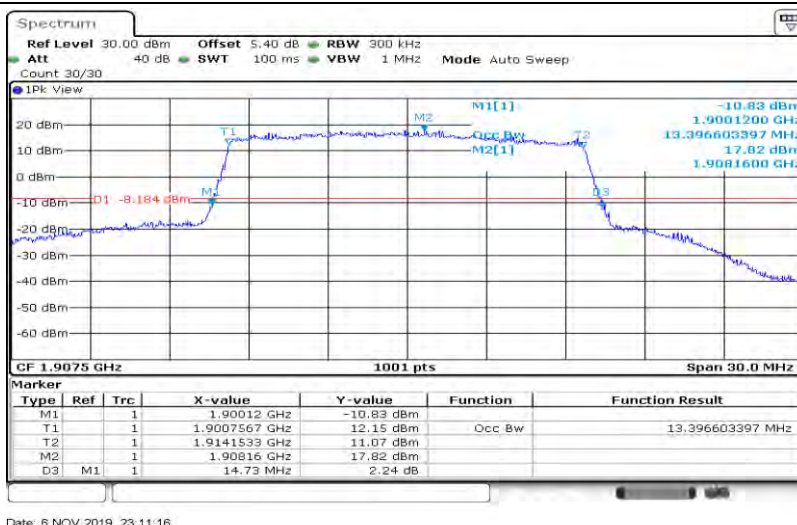


Band25-15MHz-QPSK-26615-75RB#0-13.397



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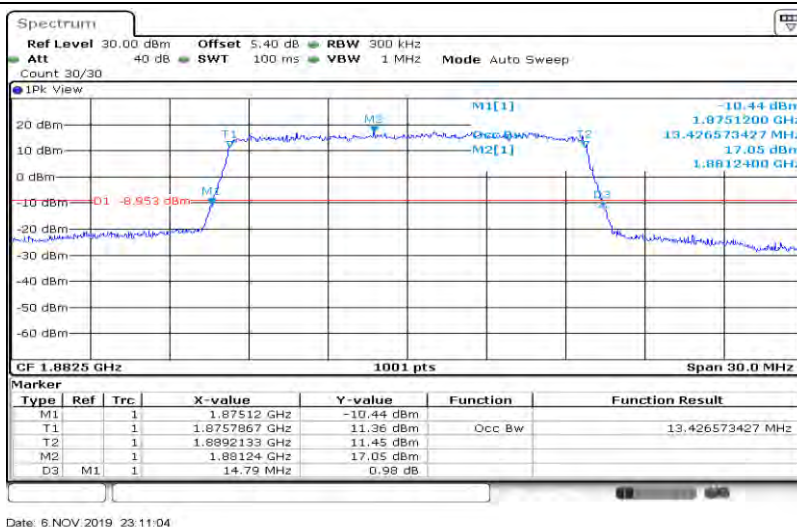


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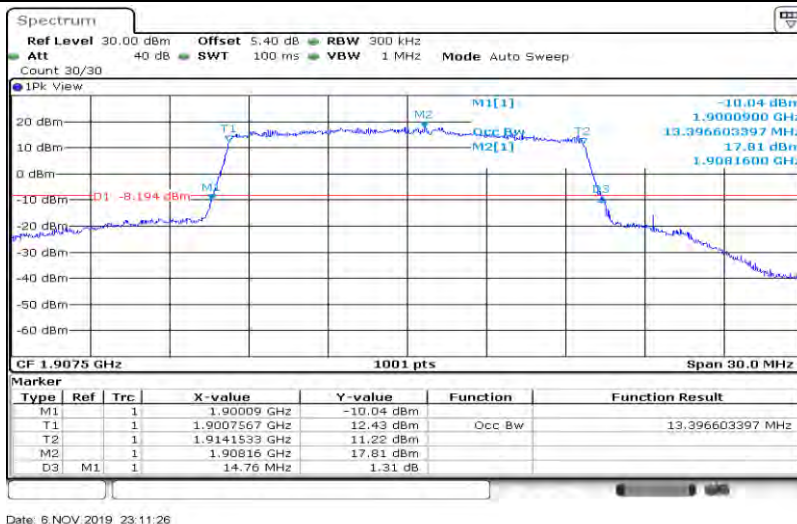


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Band25-15MHz-16QAM-26615-75RB#0-13.397

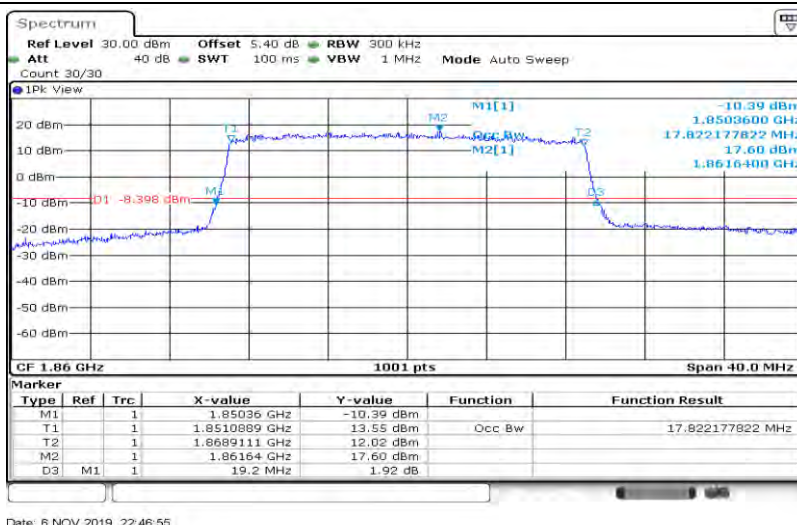


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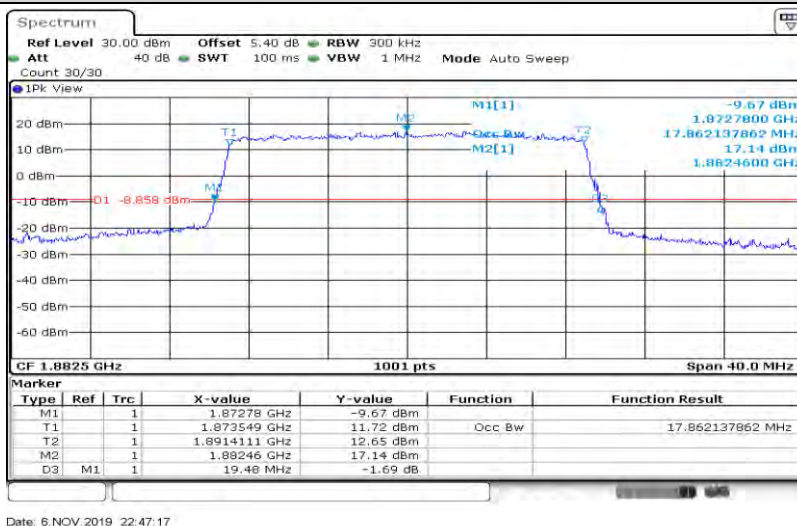


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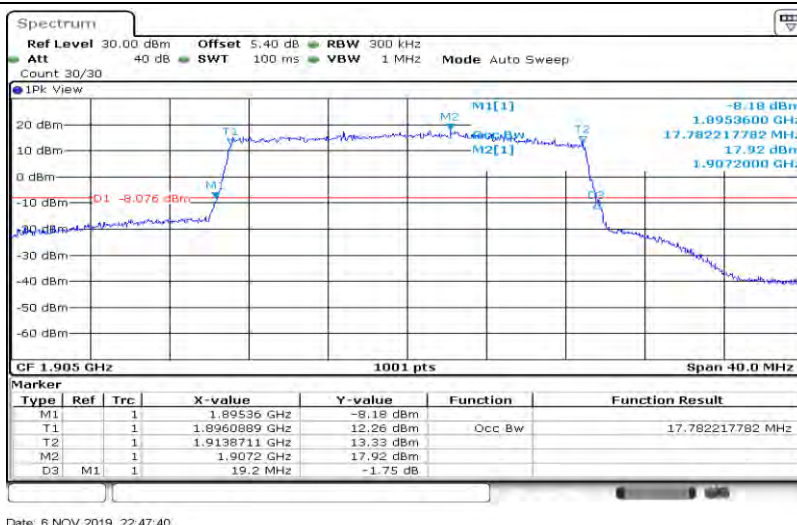


Band25-20MHz-QPSK-26365-100RB#0-17.862

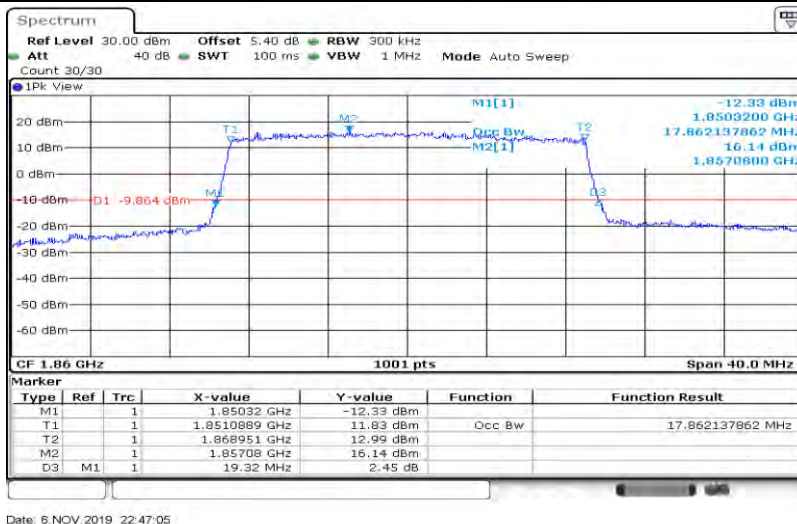


Band25-20MHz-QPSK-26590-100RB#0-17.782





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

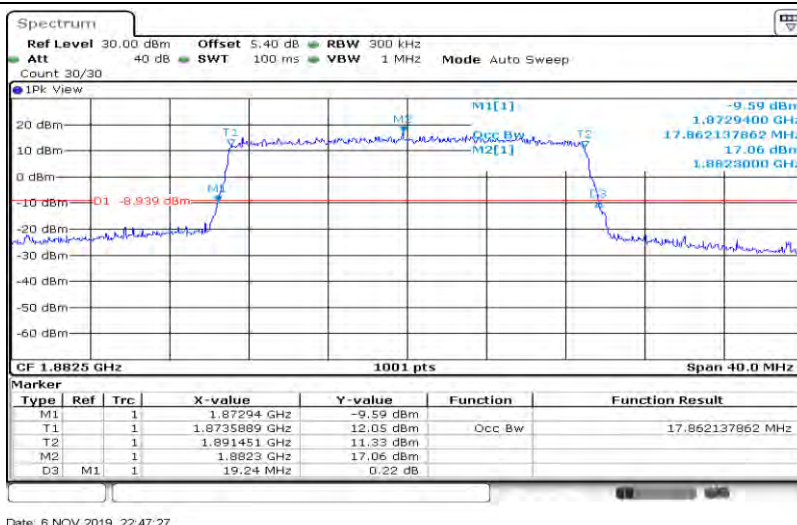


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5. Band Edge Compliance

5.1. Test Plots

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



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



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



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



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



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



Band25-1.4MHz-16QAM-26683-1RB#5



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



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



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



Band25-3MHz-QPSK-26675-1RB#14



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



Band25-3MHz-16QAM-26055-1RB#0



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



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



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



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



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



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



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



Band25-10MHz-16QAM-26640-1RB#49



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



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

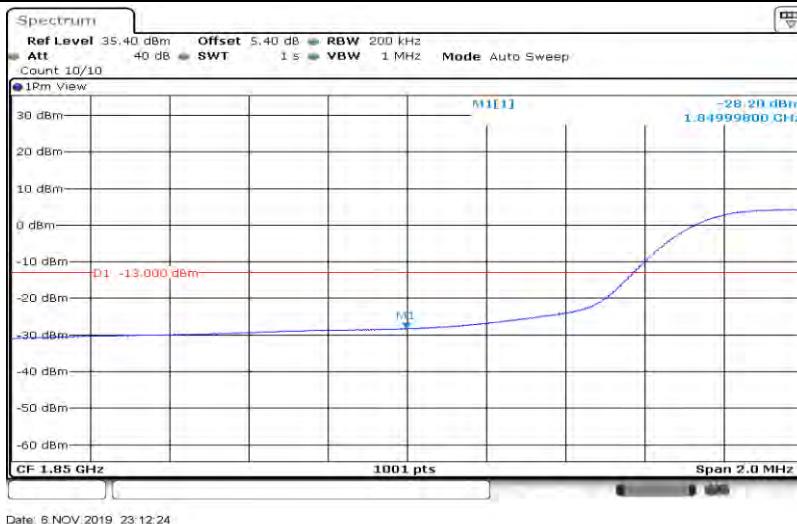


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Band25-15MHz-QPSK-26115-75RB#0

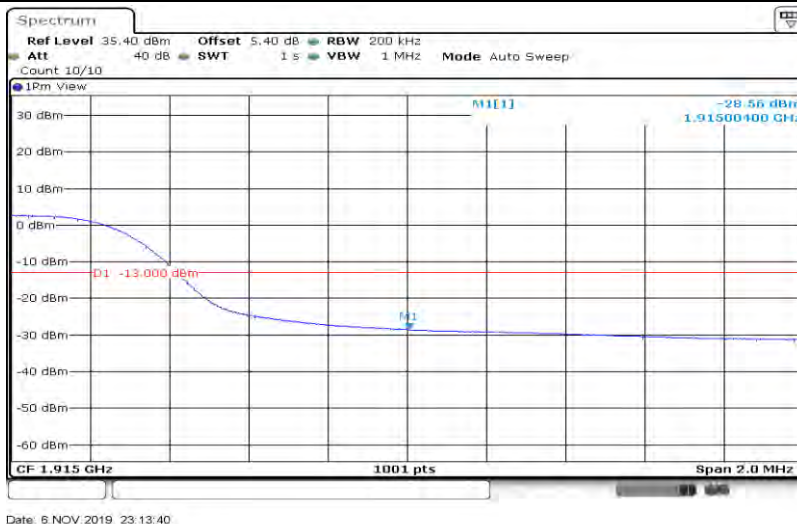


Band25-15MHz-QPSK-26615-1RB#74





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



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



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



Band25-15MHz-16QAM-26615-1RB#74

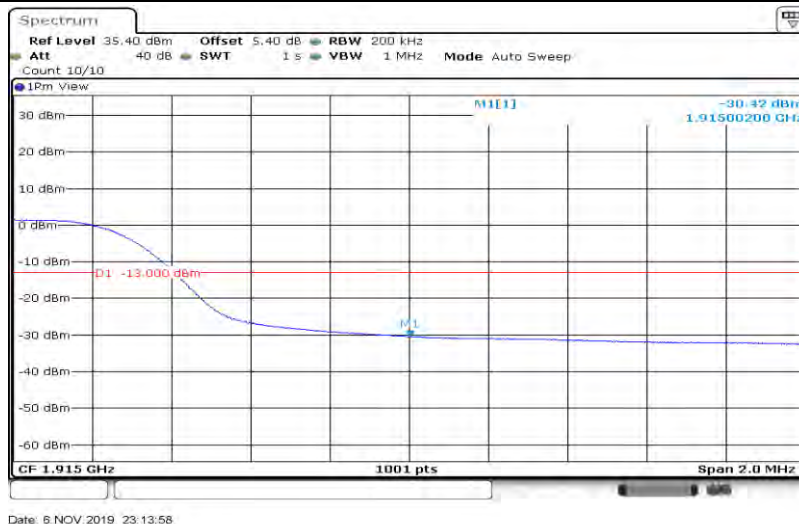


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Band25-15MHz-16QAM-26615-75RB#0



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

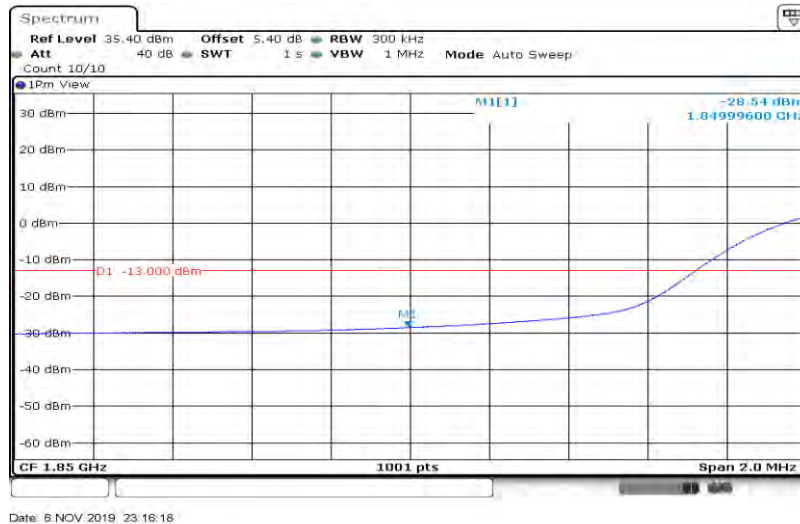


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Band25-20MHz-QPSK-26140-100RB#0



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



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Date: 6 NOV. 2019 23:17:00

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



Date: 6 NOV. 2019 23:17:36

Band25-20MHz-16QAM-26140-1RB#0

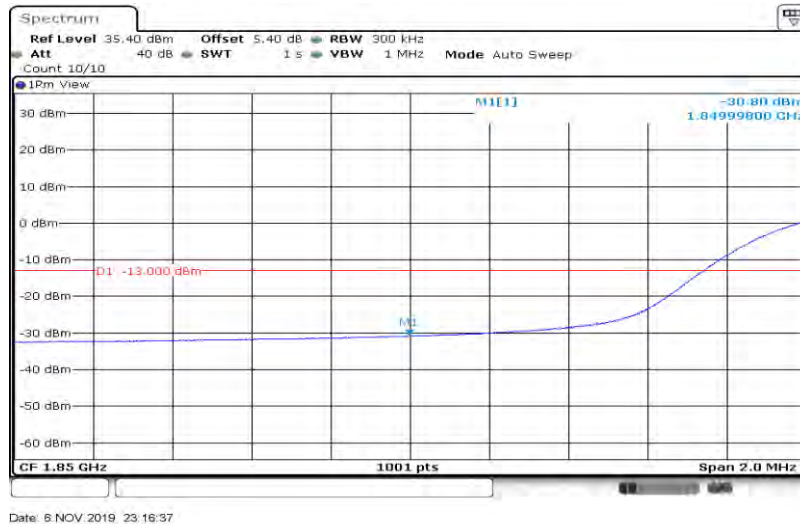


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Band25-20MHz-16QAM-26140-100RB#0



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



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

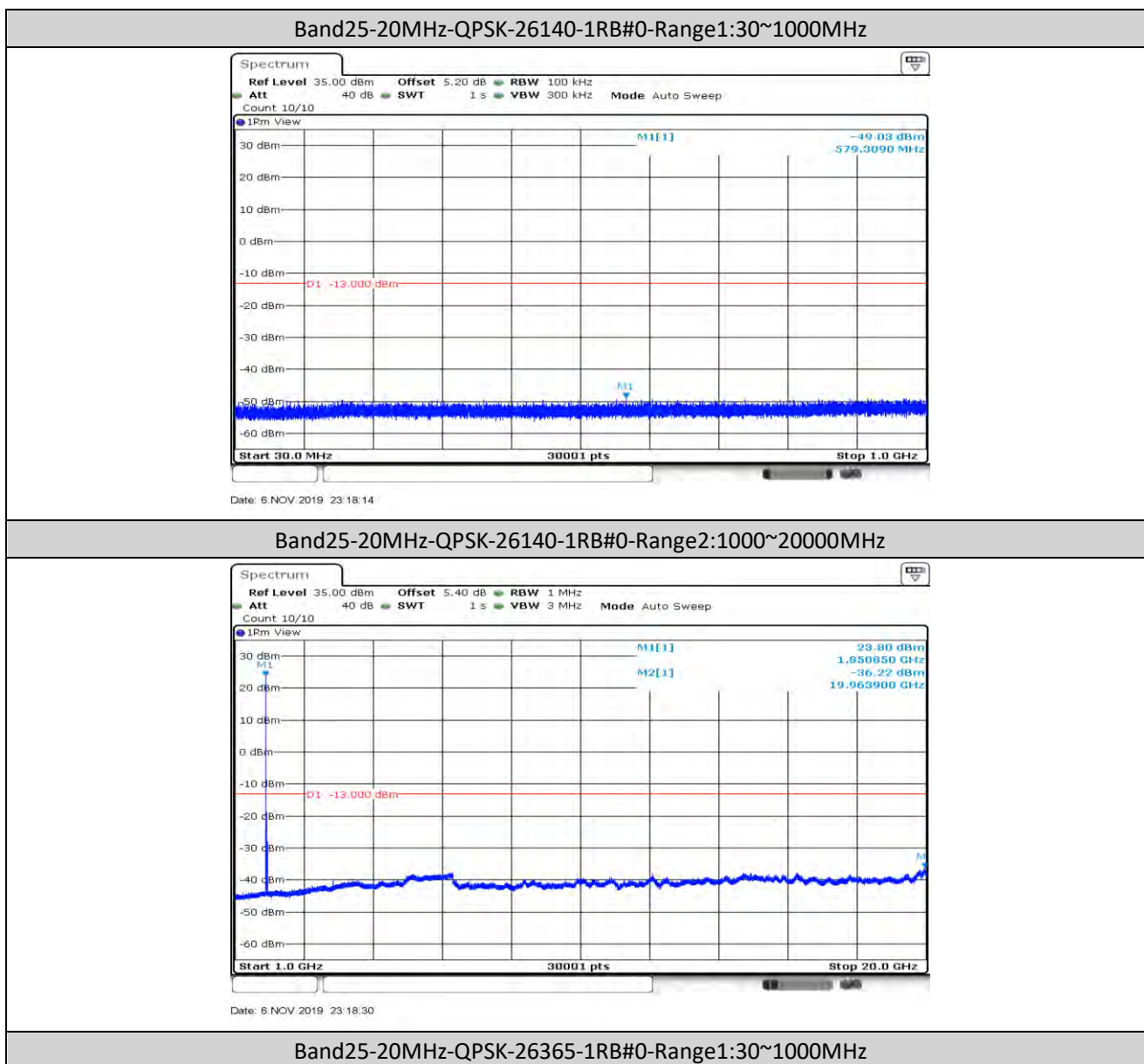


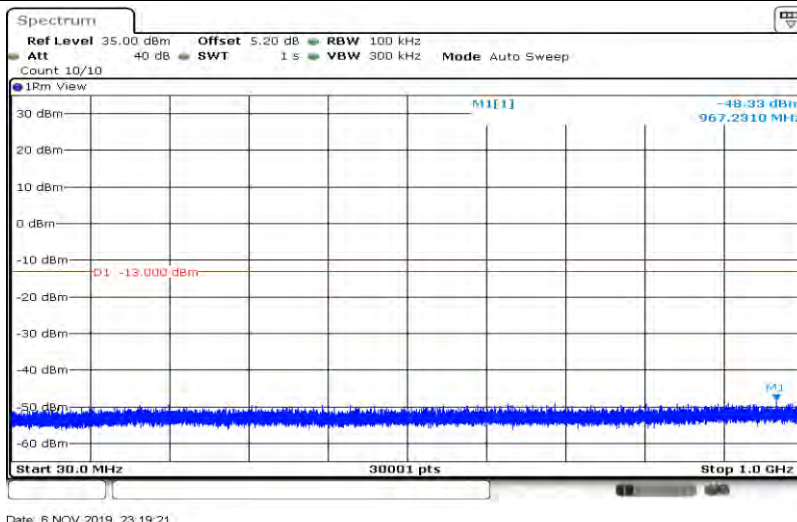
6. Spurious Emission at Antenna Terminal

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.

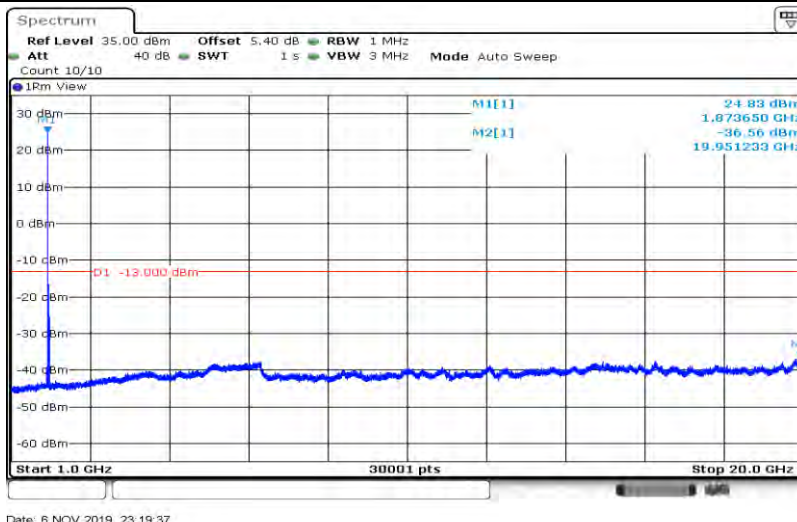
Remark2: only the worst case data displayed in this report.

6.1. Test Plots





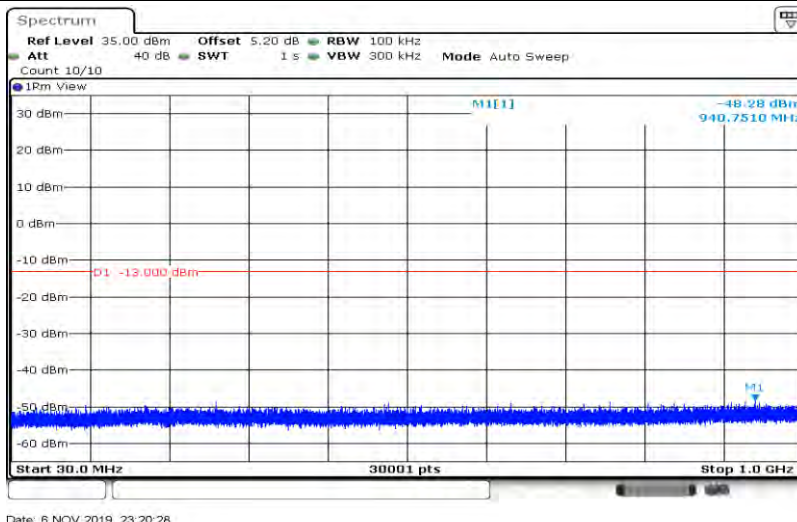
Band25-20MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



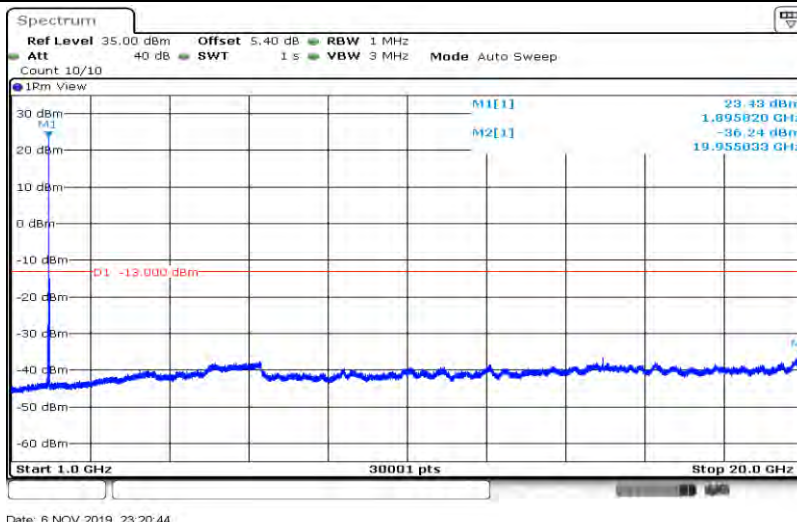
Band25-20MHz-QPSK-26590-1RB#0-Range1:30~1000MHz



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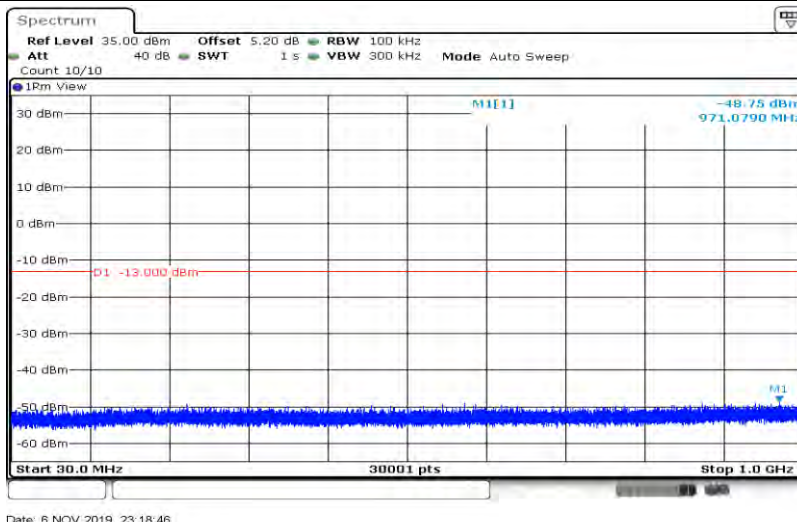


Band25-20MHz-QPSK-26590-1RB#0-Range2:1000~20000MHz

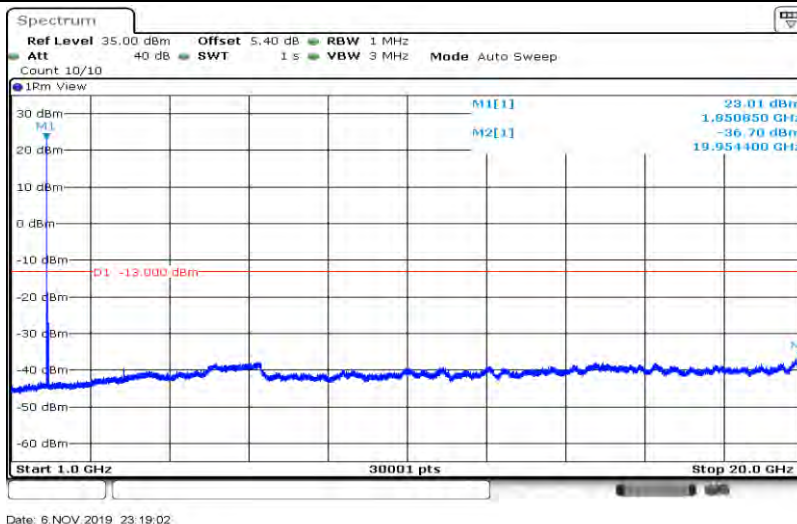


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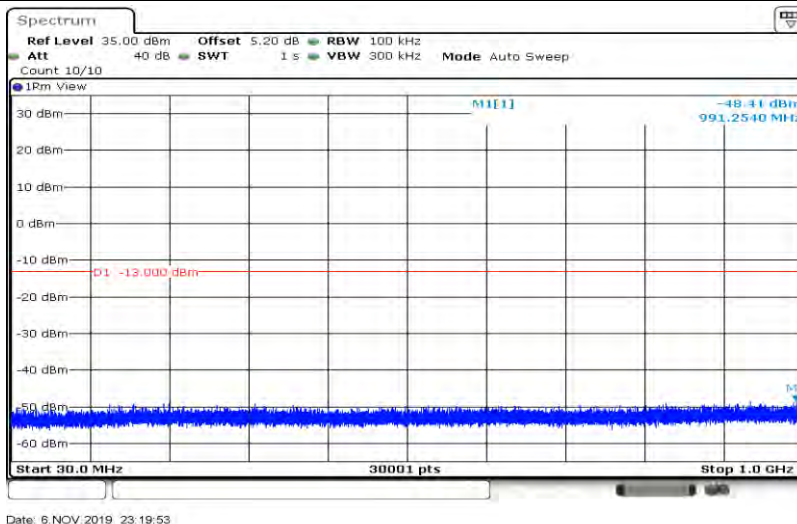


Band25-20MHz-16QAM-26140-1RB#0-Range2:1000~20000MHz

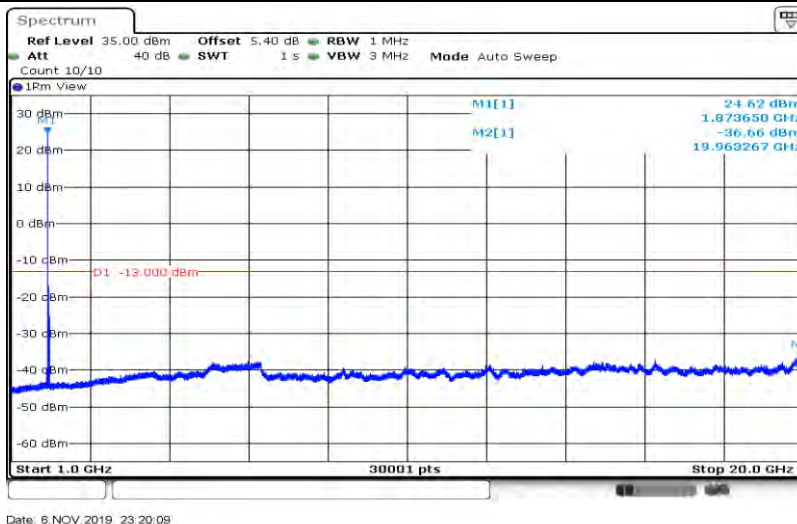


Band25-20MHz-16QAM-26365-1RB#0-Range1:30~1000MHz



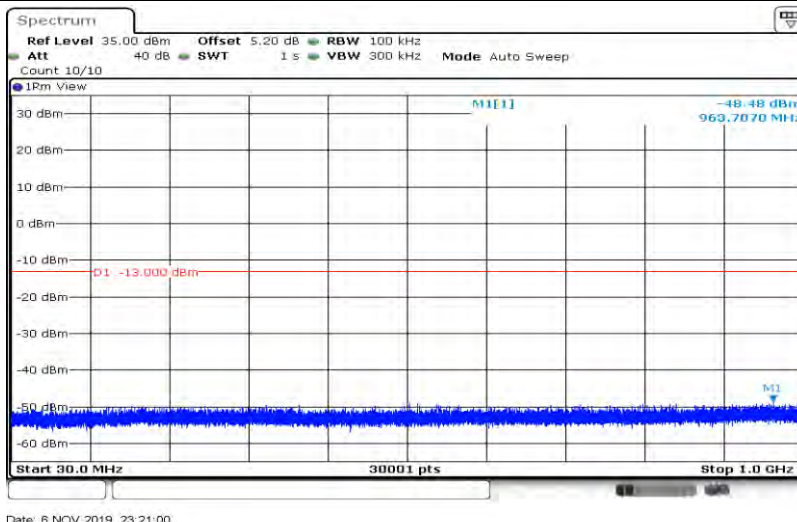


Band25-20MHz-16QAM-26365-1RB#0-Range2:1000~20000MHz

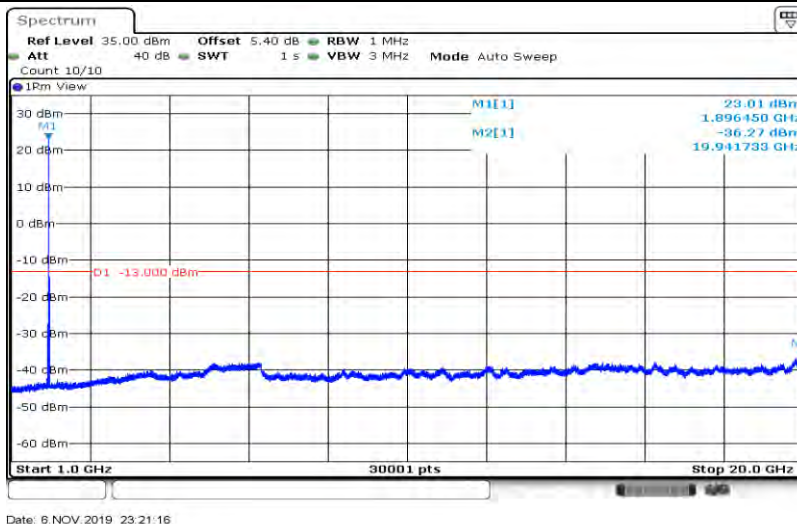


Band25-20MHz-16QAM-26590-1RB#0-Range1:30~1000MHz





Band25-20MHz-16QAM-26590-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
32.5706	-70.73	-13.00	57.73	Vertical
116.3828	-65.19	-13.00	52.19	Vertical
838.4384	-60.78	-13.00	47.78	Vertical
2693.9388	-37.54	-13.00	24.54	Vertical
7332.1444	-51.71	-13.00	38.71	Vertical
17997.4999	-33.04	-13.00	20.04	Vertical
42.0771	-64.10	-13.00	51.10	Horizontal
230.5090	-68.72	-13.00	55.72	Horizontal
867.1034	-61.11	-13.00	48.11	Horizontal
2699.9400	-36.20	-13.00	23.20	Horizontal
3702.0234	-54.93	-13.00	41.93	Horizontal
17998.5000	-37.37	-13.00	24.37	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
32.4736	-70.84	-13.00	57.84	Vertical
109.6410	-65.17	-13.00	52.17	Vertical
862.0106	-61.62	-13.00	48.62	Vertical
2698.7397	-37.53	-13.00	24.53	Vertical
9310.7104	-47.94	-13.00	34.94	Vertical
17991.4997	-33.06	-13.00	20.06	Vertical
47.5094	-64.68	-13.00	51.68	Horizontal
226.2408	-69.60	-13.00	56.60	Horizontal
773.7847	-62.48	-13.00	49.48	Horizontal
2700.7401	-36.35	-13.00	23.35	Horizontal
10652.2551	-46.72	-13.00	33.72	Horizontal
16405.4468	-36.87	-13.00	23.87	Horizontal



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Shenzhen Branch Inspection & Testing Services Laboratory

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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
32.4251	-70.54	-13.00	57.54	Vertical
111.1446	-64.63	-13.00	51.63	Vertical
846.3928	-61.22	-13.00	48.22	Vertical
2695.5391	-37.43	-13.00	24.43	Vertical
11394.7798	-45.85	-13.00	32.85	Vertical
17989.9997	-32.85	-13.00	19.85	Vertical
41.6406	-64.51	-13.00	51.51	Horizontal
233.2252	-67.04	-13.00	54.04	Horizontal
906.3903	-59.66	-13.00	46.66	Horizontal
2699.5399	-36.34	-13.00	23.34	Horizontal
10009.2336	-47.41	-13.00	34.41	Horizontal
16398.9466	-36.83	-13.00	23.83	Horizontal

Remark:

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



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	VL	NT	0.40	0.000215	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	0.80	0.000430	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VH	NT	1.20	0.000645	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	1.10	0.000584	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-1.20	-0.000637	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-0.10	-0.000053	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	0.80	0.000420	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	0.40	0.000210	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VH	NT	-0.40	-0.000210	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VL	NT	0.30	0.000161	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VN	NT	1.70	0.000914	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VH	NT	0.60	0.000323	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VL	NT	1.20	0.000637	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VN	NT	0.80	0.000425	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VH	NT	0.30	0.000159	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VL	NT	1.20	0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VN	NT	1.00	0.000525	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	1.10	0.000577	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	NV	-30	0.40	0.000215	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	1.90	0.001022	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	1.10	0.000591	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	0.30	0.000161	±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	2.60	0.001398	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	-0.10	-0.000054	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	50	0.60	0.000323	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	2.10	0.001116	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	0.10	0.000053	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	0.40	0.000212	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	1.00	0.000531	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	0.40	0.000212	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-0.70	-0.000372	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	2.20	0.001169	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	0.00	0.000000	±2.5	PASS



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Band25	20MHz	QPSK	26590	100RB#0	NV	-30	1.20	0.000630	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	0.60	0.000315	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	10	-0.60	-0.000315	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	1.00	0.000525	±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	-0.50	-0.000262	±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	1.40	0.000753	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-20	4.00	0.002151	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	2.80	0.001505	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	2.00	0.001075	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	1.20	0.000645	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	-1.20	-0.000645	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	40	0.60	0.000323	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	50	1.00	0.000538	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-30	2.60	0.001381	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-20	-0.30	-0.000159	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	0	1.20	0.000637	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	10	-1.00	-0.000531	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	1.50	0.000797	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	1.80	0.000956	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	0.90	0.000478	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	1.40	0.000744	±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	-20	1.20	0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	0.30	0.000157	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	1.30	0.000682	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	20	0.80	0.000420	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	30	0.80	0.000420	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	40	1.70	0.000892	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	0.70	0.000367	±2.5	PASS



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