



Appendix B

E-UTRA Band 25



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Shenzhen Branch

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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	22.93	22.19	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.26	22.52	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.94	22.20	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	22.83	22.09	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	23.01	22.27	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	22.80	22.06	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.93	21.19	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.87	22.13	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.21	22.47	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.87	22.13	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	22.81	22.07	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	23.12	22.38	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	22.72	21.98	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.00	21.26	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.01	22.27	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.21	22.47	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.00	22.26	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	22.81	22.07	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	23.06	22.32	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	22.63	21.89	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.94	21.20	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.97	21.23	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.10	21.36	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.87	21.13	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	21.95	21.21	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	22.03	21.29	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	21.89	21.15	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.95	20.21	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.96	21.22	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.30	21.56	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.92	21.18	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	21.92	21.18	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#1	22.07	21.33	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	21.87	21.13	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.13	20.39	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.85	21.11	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.09	21.35	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.82	21.08	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	21.81	21.07	33.00	PASS



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Band25	1.4MHz	16QAM	26683	3RB#1	22.11	21.37	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	21.76	21.02	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.04	20.30	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.98	22.24	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.24	22.50	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.91	22.17	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	21.95	21.21	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#4	22.16	21.42	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	22.08	21.34	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	21.98	21.24	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.95	22.21	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.29	22.55	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.89	22.15	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	22.15	21.41	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	22.16	21.42	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#4	22.06	21.32	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.10	21.36	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.02	22.28	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.27	22.53	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.96	22.22	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#4	22.14	21.40	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	22.21	21.47	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	21.98	21.24	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.98	21.24	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.01	21.27	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.21	21.47	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.94	21.20	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	20.96	20.22	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	21.11	20.37	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#4	21.05	20.31	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.97	20.23	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.95	21.21	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.34	21.60	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.94	21.20	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#4	21.11	20.37	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	21.16	20.42	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	21.08	20.34	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.12	20.38	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.88	21.14	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.15	21.41	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.77	21.03	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	21.14	20.40	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	21.14	20.40	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#4	20.90	20.16	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.08	20.34	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.83	22.09	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.06	22.32	33.00	PASS



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Band25	5MHz	QPSK	26065	1RB#0	22.82	22.08	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	21.76	21.02	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	22.00	21.26	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	21.93	21.19	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.90	21.16	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.85	22.11	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.12	22.38	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	22.80	22.06	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	21.97	21.23	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	21.97	21.23	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	21.93	21.19	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.91	21.17	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.86	22.12	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.06	22.32	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.80	22.06	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	21.99	21.25	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	22.06	21.32	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	21.90	21.16	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	21.91	21.17	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.80	21.06	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.02	21.28	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.86	21.12	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	20.87	20.13	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#0	20.95	20.21	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	20.92	20.18	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	20.82	20.08	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.79	21.05	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.14	21.40	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.83	21.09	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	21.00	20.26	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	20.97	20.23	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	21.00	20.26	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.99	20.25	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.69	20.95	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.04	21.30	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.69	20.95	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	20.94	20.20	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	20.98	20.24	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	20.77	20.03	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.88	20.14	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.88	22.14	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.15	22.41	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.89	22.15	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#12	21.92	21.18	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	22.07	21.33	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	22.01	21.27	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.00	21.26	33.00	PASS



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Band25	10MHz	QPSK	26365	1RB#49	22.87	22.13	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.23	22.49	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.87	22.13	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	22.06	21.32	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#12	22.12	21.38	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	22.06	21.32	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.98	21.24	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.92	22.18	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.16	22.42	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.00	22.26	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	22.09	21.35	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	22.09	21.35	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#12	21.99	21.25	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.91	21.17	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	21.97	21.23	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.09	21.35	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	21.88	21.14	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	20.94	20.20	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#12	21.02	20.28	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	21.02	20.28	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.00	20.26	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.97	21.23	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.23	21.49	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.87	21.13	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	21.08	20.34	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#12	21.17	20.43	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#0	21.08	20.34	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.15	20.41	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	21.81	21.07	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.13	21.39	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.76	21.02	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	21.05	20.31	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#12	21.08	20.34	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	20.87	20.13	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.01	20.27	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.77	22.03	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.16	22.42	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.78	22.04	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	21.87	21.13	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	22.09	21.35	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	22.02	21.28	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.82	21.08	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.96	22.22	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.10	22.36	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.87	22.13	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	21.94	21.20	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	22.02	21.28	33.00	PASS



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Band25	15MHz	QPSK	26365	36RB#18	21.88	21.14	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.04	21.30	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.93	22.19	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.05	22.31	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.86	22.12	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	21.95	21.21	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	22.00	21.26	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	21.91	21.17	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.87	21.13	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	21.90	21.16	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.01	21.27	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	21.77	21.03	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#0	20.95	20.21	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	21.06	20.32	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	20.89	20.15	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	20.98	20.24	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.84	21.10	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.20	21.46	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	21.93	21.19	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	21.07	20.33	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	21.03	20.29	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	21.03	20.29	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.10	20.36	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.75	21.01	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.11	21.37	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.64	20.90	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	20.93	20.19	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	21.12	20.38	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	20.71	19.97	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	20.91	20.17	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.05	22.31	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.35	22.61	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.02	22.28	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	22.06	21.32	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	22.22	21.48	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.15	21.41	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.12	21.38	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.06	22.32	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.36	22.62	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.01	22.27	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	22.21	21.47	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	22.27	21.53	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#50	22.17	21.43	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.17	21.43	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.10	22.36	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.34	22.60	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.10	22.36	33.00	PASS



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Band25	20MHz	QPSK	26590	50RB#0	22.23	21.49	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	22.26	21.52	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	22.13	21.39	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.11	21.37	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.08	21.34	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.29	21.55	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.07	21.33	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	21.09	20.35	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	21.22	20.48	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	21.18	20.44	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.12	20.38	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.08	21.34	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.39	21.65	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.03	21.29	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	21.26	20.52	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	21.27	20.53	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	21.23	20.49	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.26	20.52	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.95	21.21	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.27	21.53	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	21.92	21.18	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	21.23	20.49	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	21.25	20.51	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	21.01	20.27	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.16	20.42	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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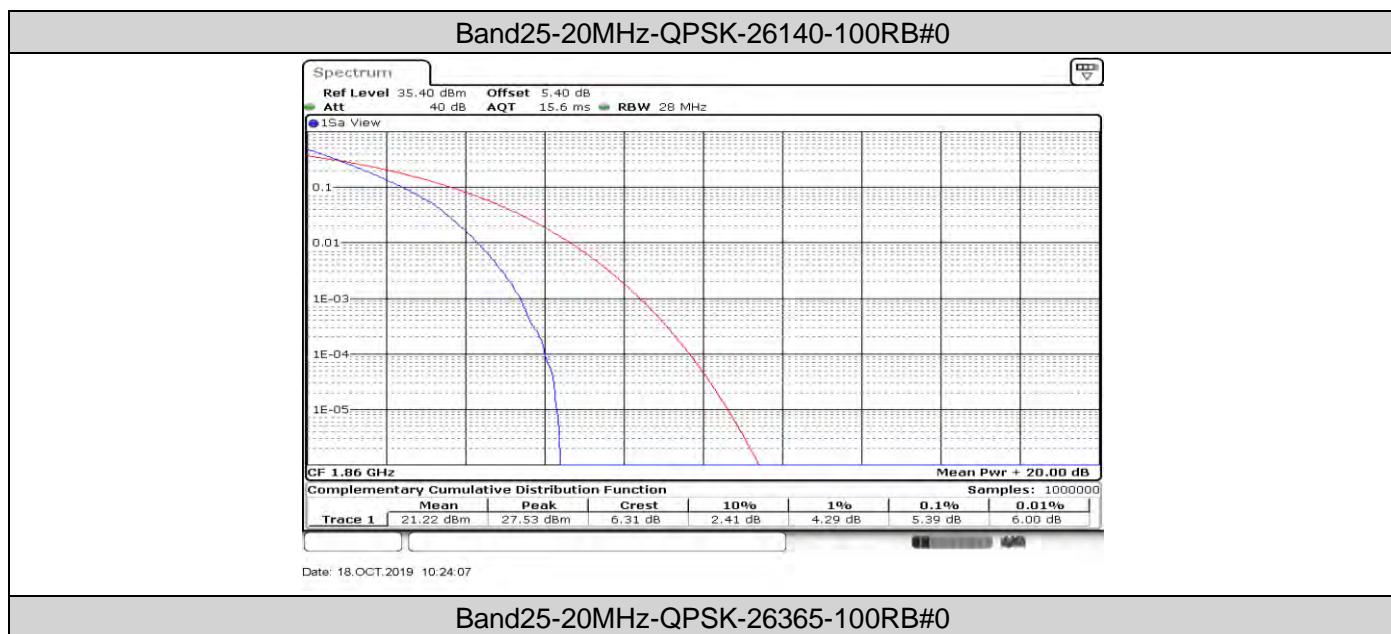


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.39	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.65	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.57	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.12	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.35	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.32	13	PASS

2.2. Test Plots

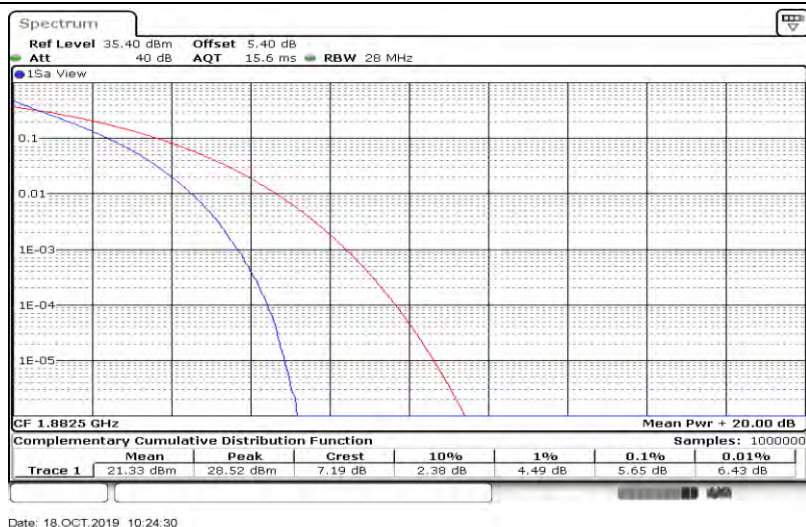


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Band25-20MHz-QPSK-26590-100RB#0



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



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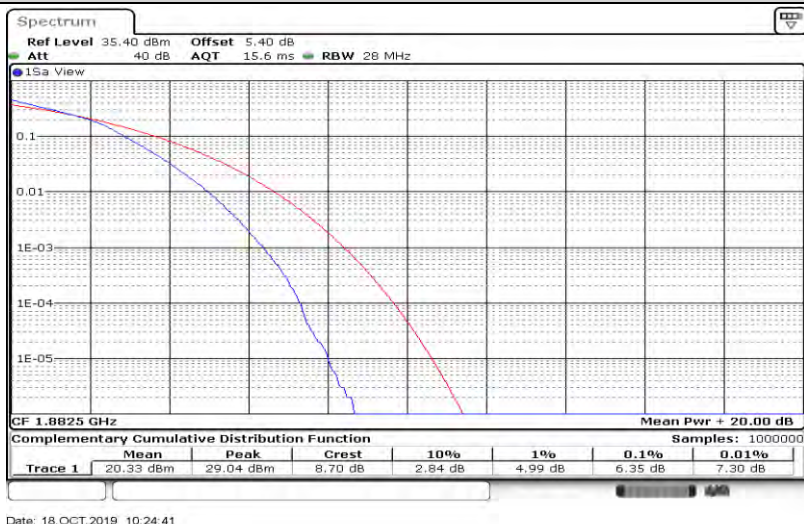
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Band25-20MHz-16QAM-26365-100RB#0



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

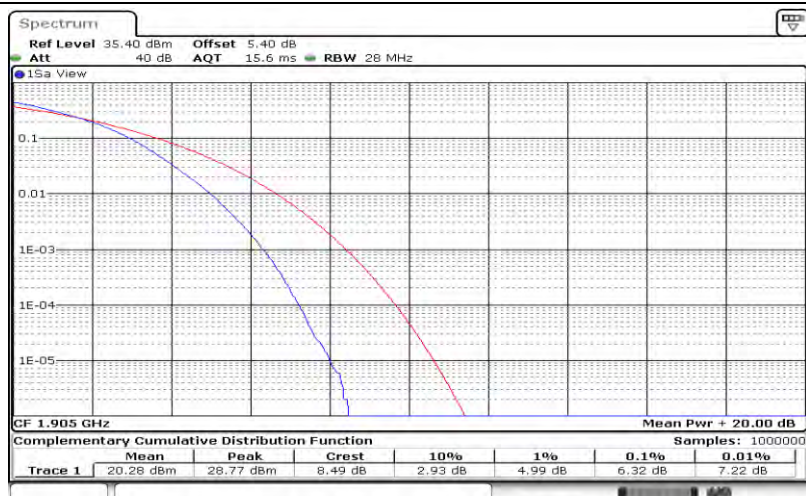


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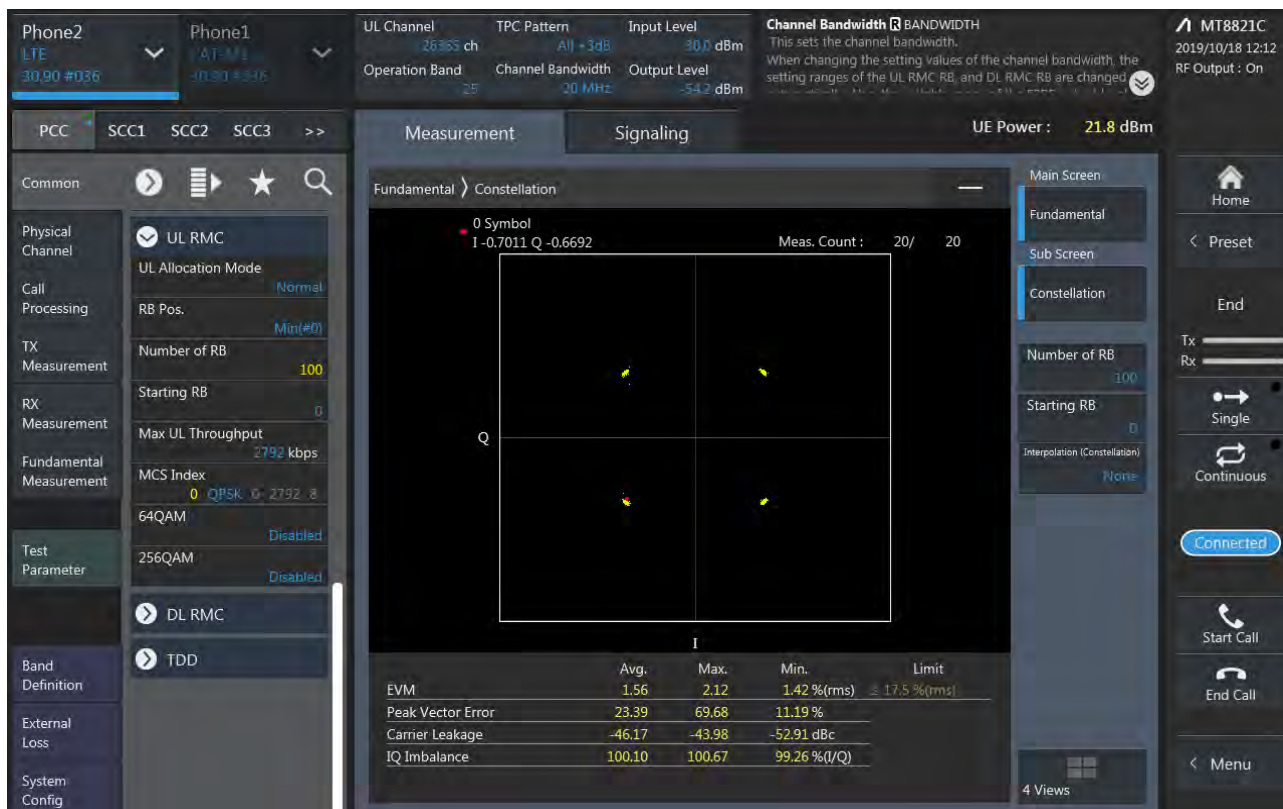
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

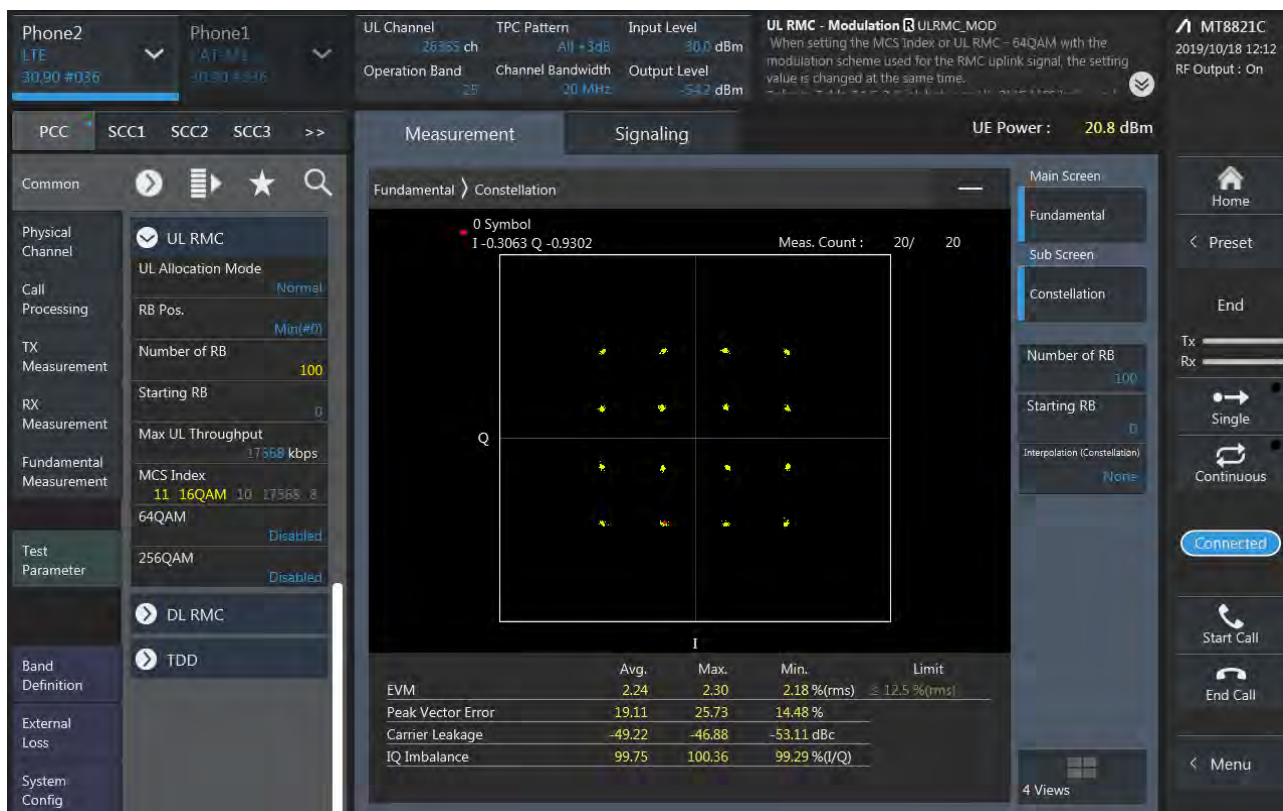
3.1.1. Test Channel = MCH





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	1.088	1.287	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.088	1.293	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.088	1.287	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.088	1.290	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.091	1.302	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.088	1.293	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.685	2.928	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.691	2.922	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.685	2.928	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.679	2.904	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.673	2.904	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.673	2.898	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.486	5.050	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.486	5.110	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.476	5.070	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.496	5.100	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.486	5.170	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	5.030	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.931	9.940	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.951	10.140	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.951	9.920	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.951	10.340	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.951	9.940	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.931	9.840	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.457	15.120	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.487	15.780	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.487	14.940	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.457	15.000	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.487	15.150	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.487	15.000	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.862	19.760	PASS



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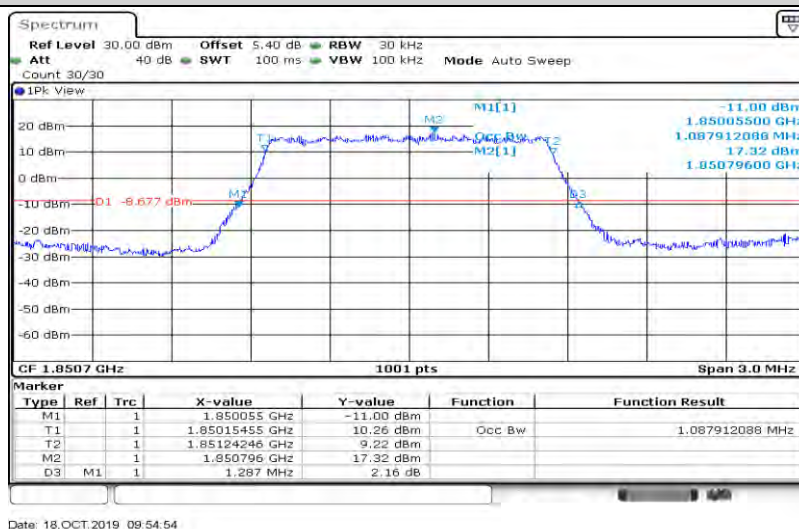
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Band25	20MHz	QPSK	26365	100RB#0	17.902	19.800	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.902	19.600	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.862	19.680	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.942	19.720	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.902	19.560	PASS

4.2. Test Plots

Band25-1.4MHz-QPSK-26047-6RB#0-1.088

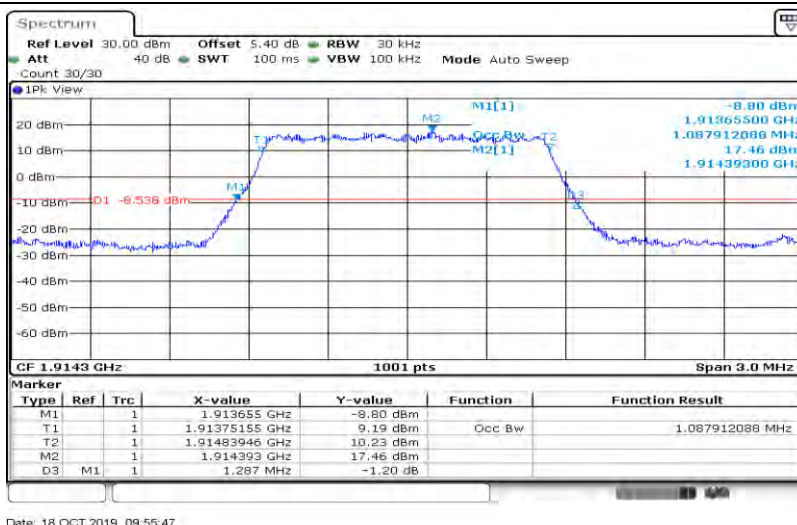


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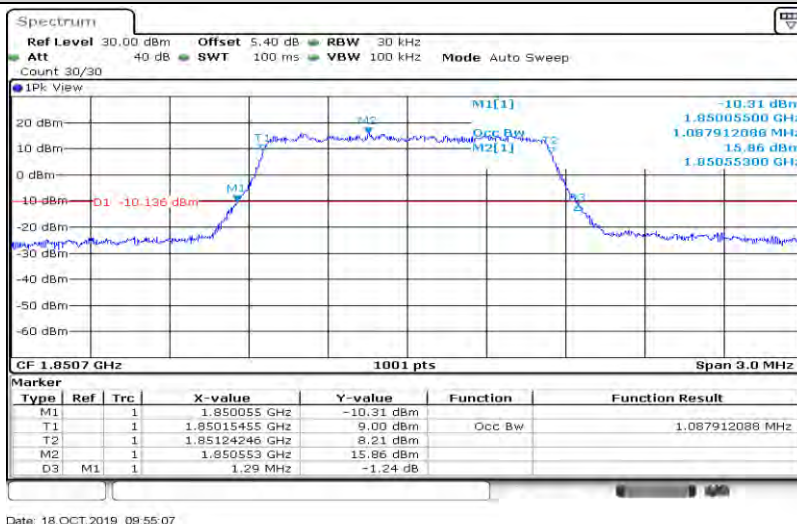


Band25-1.4MHz-QPSK-26683-6RB#0-1.088





Band25-1.4MHz-16QAM-26047-6RB#0-1.088



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



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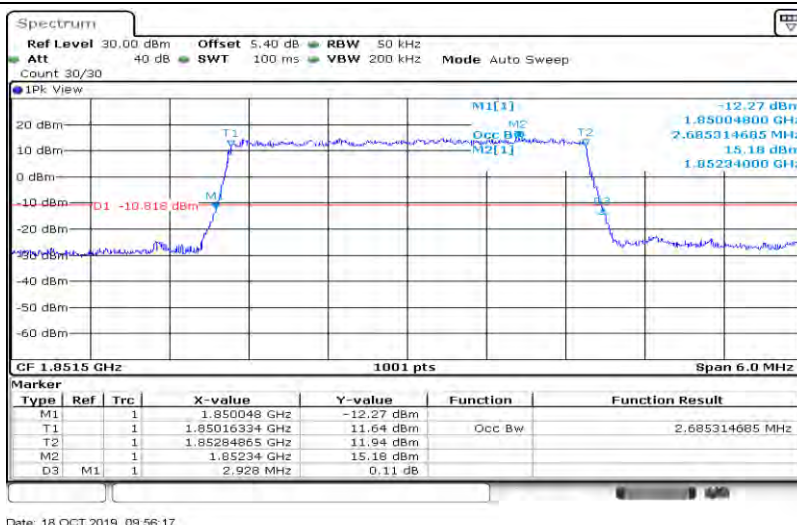


Band25-3MHz-QPSK-26055-15RB#0-2.685

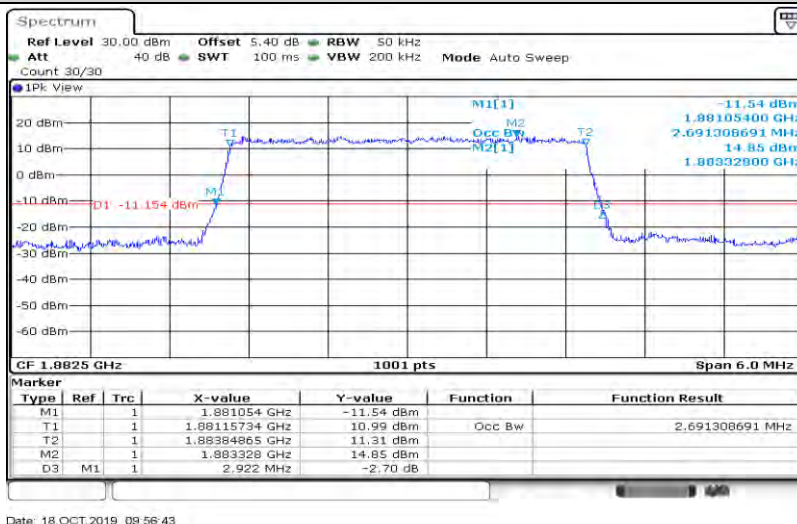


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Band25-3MHz-QPSK-26365-15RB#0-2.691



Band25-3MHz-QPSK-26675-15RB#0-2.685



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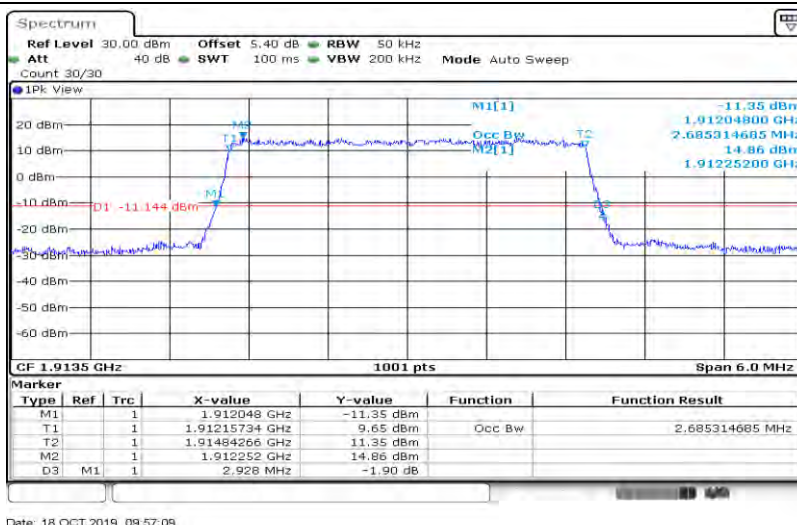
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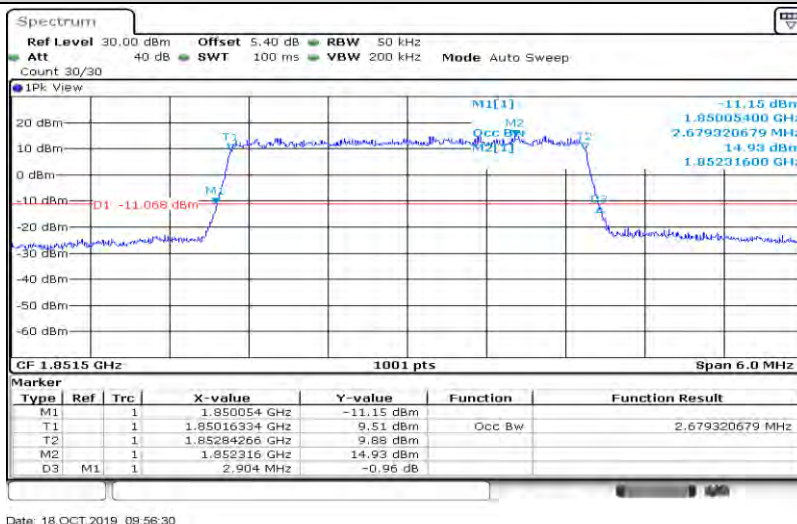
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Band25-3MHz-16QAM-26055-15RB#0-2.679



Band25-3MHz-16QAM-26365-15RB#0-2.673



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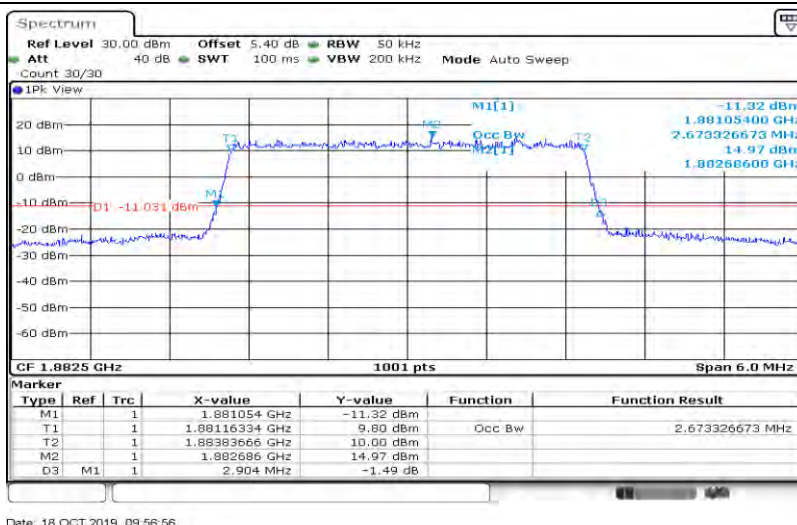
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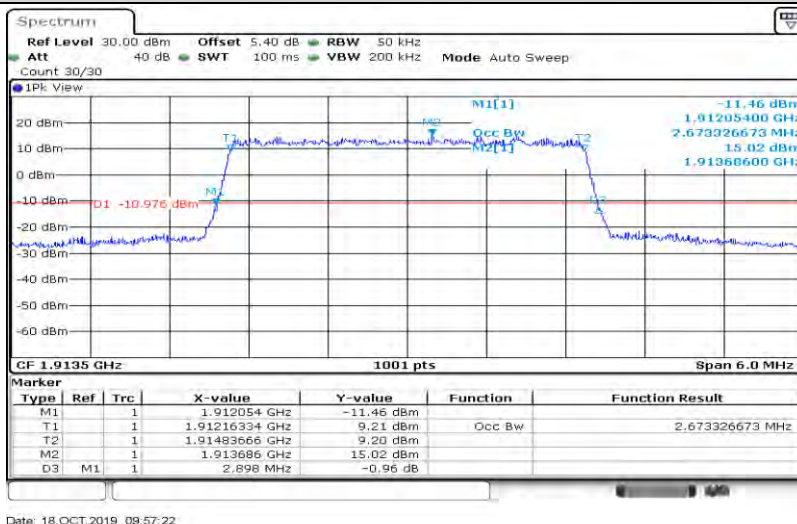
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Date: 18.OCT.2019 09:56:56

Band25-3MHz-16QAM-26675-15RB#0-2.673



Date: 18.OCT.2019 09:57:22

Band25-5MHz-QPSK-26065-25RB#0-4.486

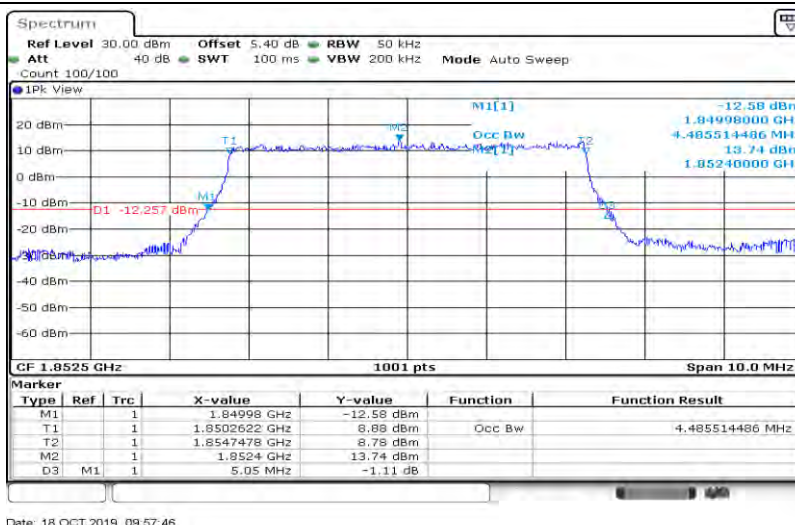


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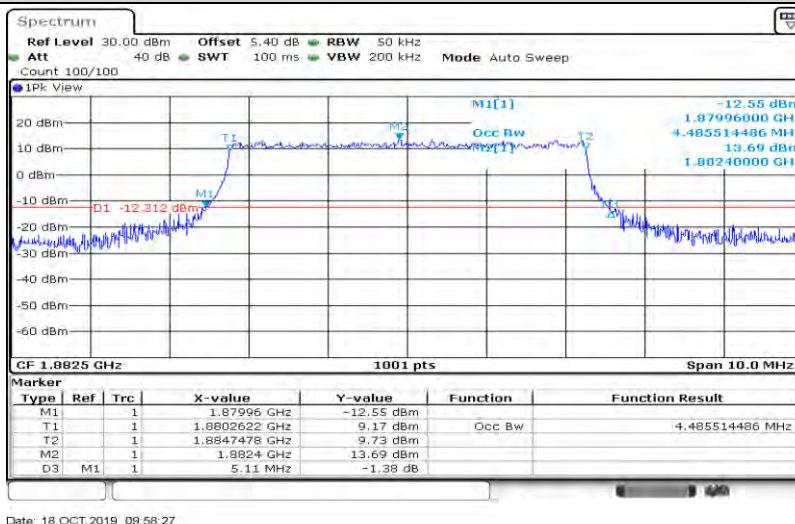
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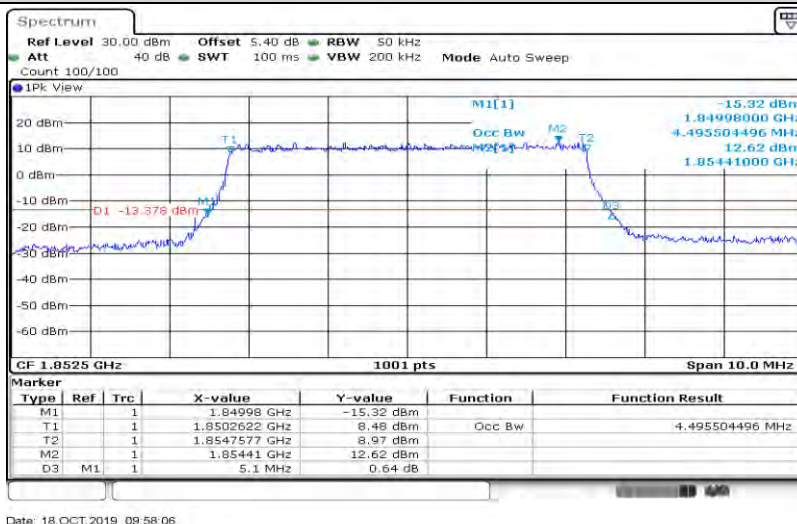
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Band25-5MHz-16QAM-26365-25RB#0-4.486



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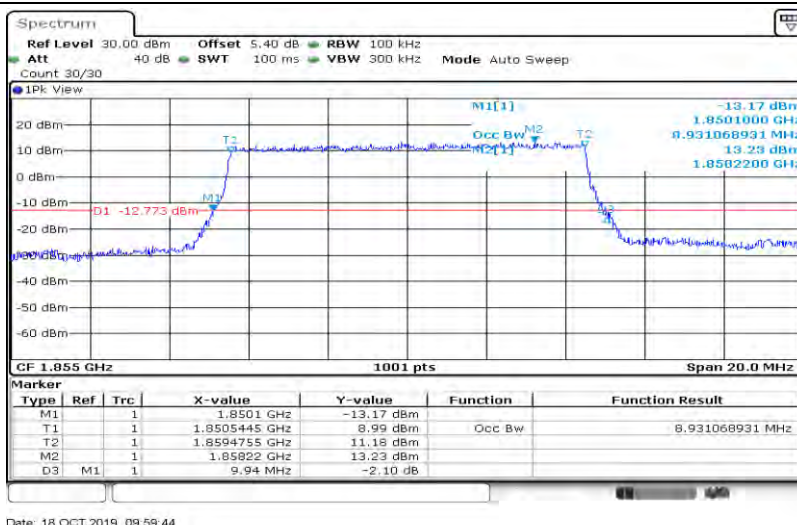


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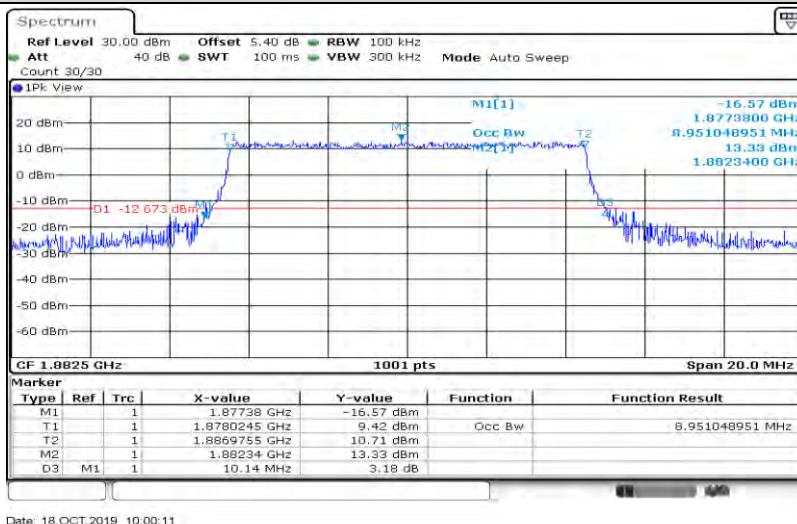


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Band25-10MHz-QPSK-26365-50RB#0-8.951



Band25-10MHz-QPSK-26640-50RB#0-8.951



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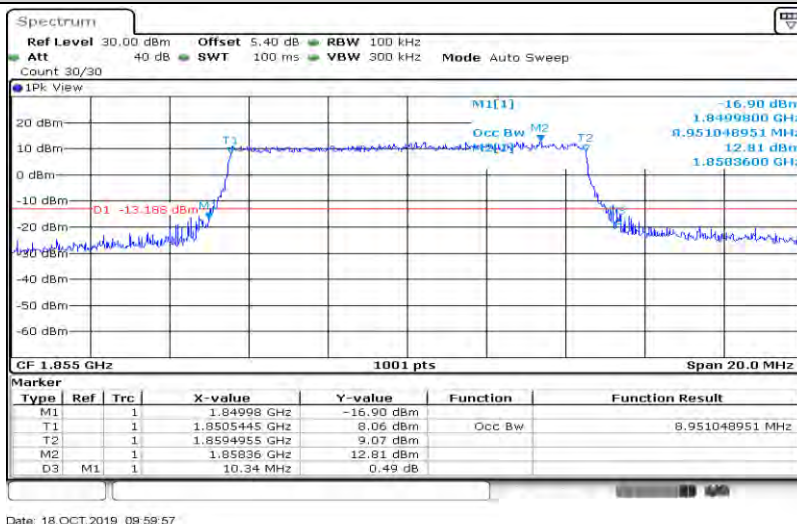
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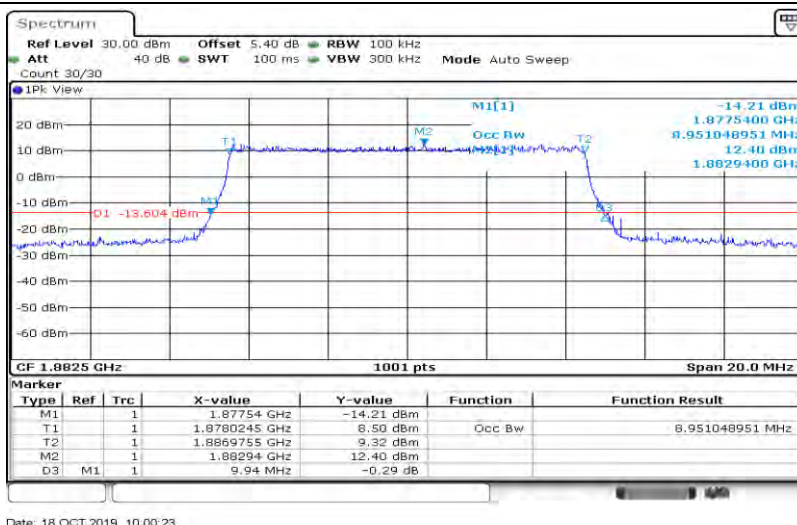


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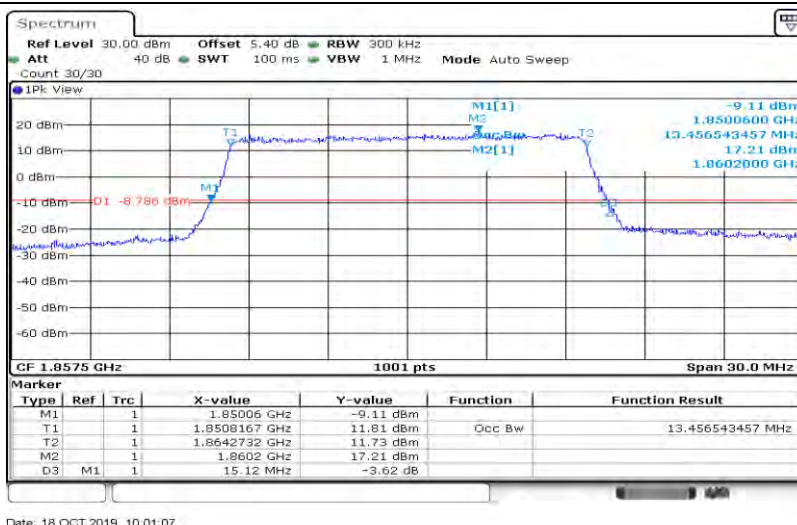


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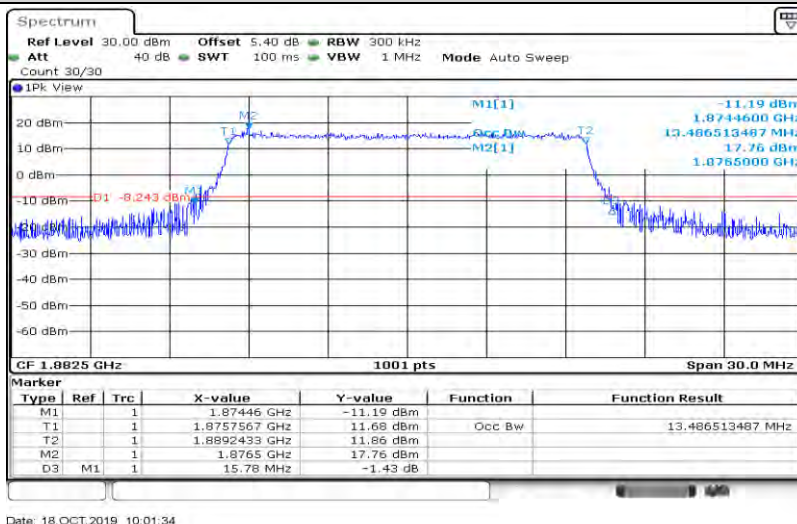


Band25-15MHz-QPSK-26115-75RB#0-13.457





Band25-15MHz-QPSK-26365-75RB#0-13.487



Band25-15MHz-QPSK-26615-75RB#0-13.487



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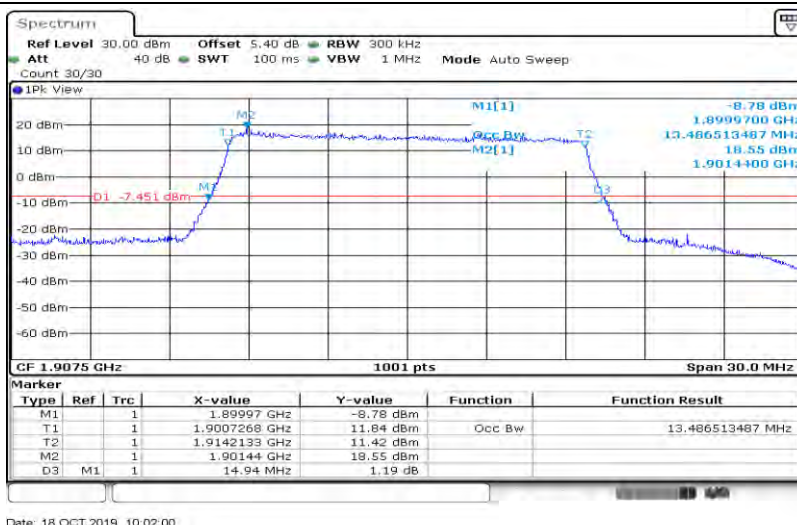
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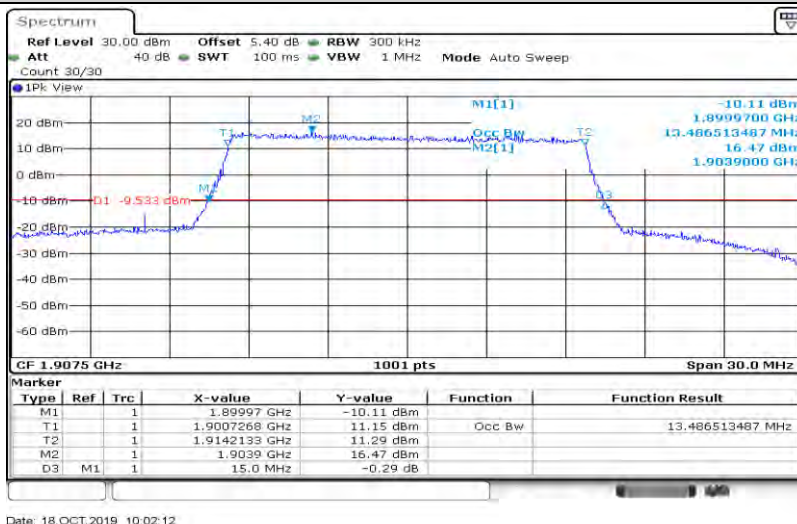


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Band25-15MHz-16QAM-26615-75RB#0-13.487



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

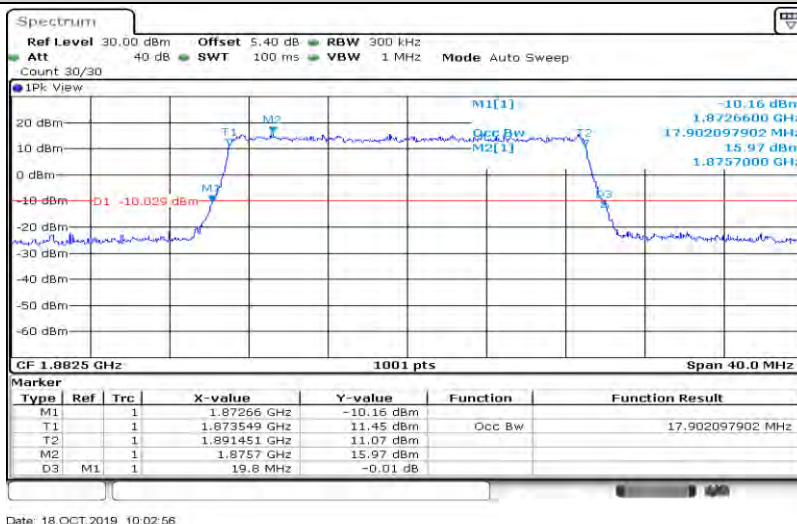


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Band25-20MHz-QPSK-26365-100RB#0-17.902



Band25-20MHz-QPSK-26590-100RB#0-17.902



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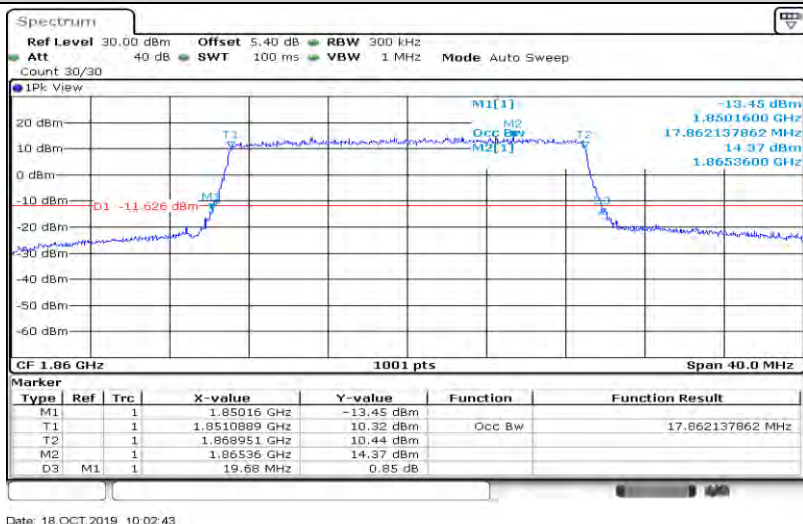
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Band25-20MHz-16QAM-26140-100RB#0-17.862



Band25-20MHz-16QAM-26365-100RB#0-17.942



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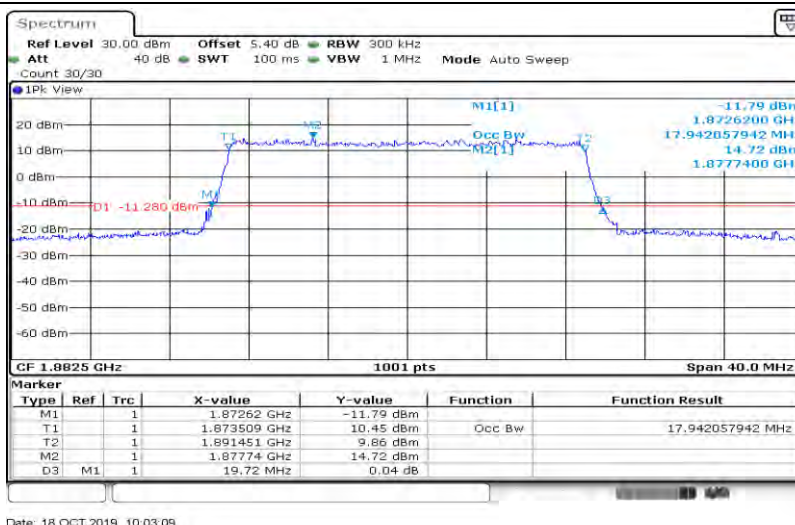
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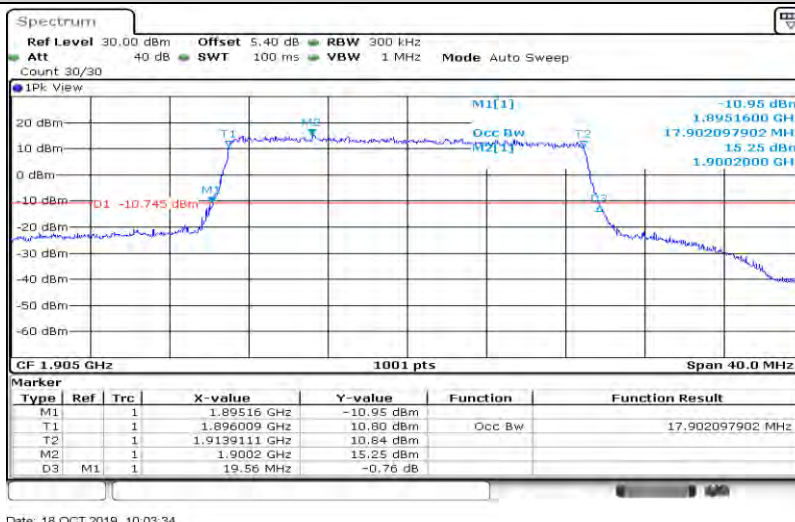
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Date: 18.OCT.2019 10:03:09

Band25-20MHz-16QAM-26590-100RB#0-17.902



Date: 18.OCT.2019 10:03:34



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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-16QAM-26047-6RB#0



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



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



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



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



Band25-10MHz-16QAM-26090-1RB#0

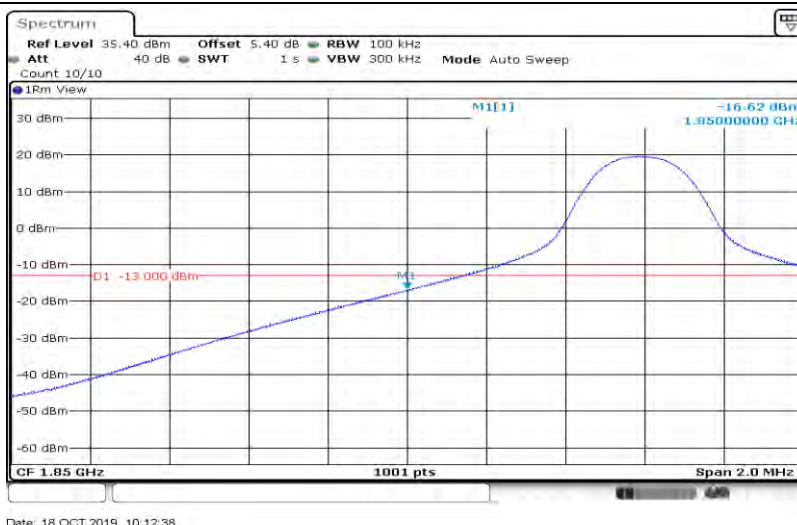


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Band25-10MHz-16QAM-26090-50RB#0



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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Date: 18.OCT.2019 10:15:06

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



Date: 18.OCT.2019 10:15:45

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



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



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

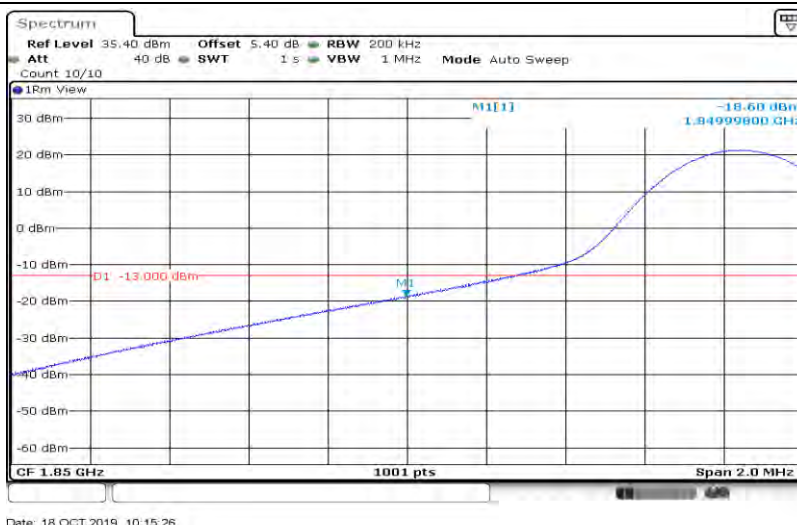


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Band25-15MHz-16QAM-26115-75RB#0



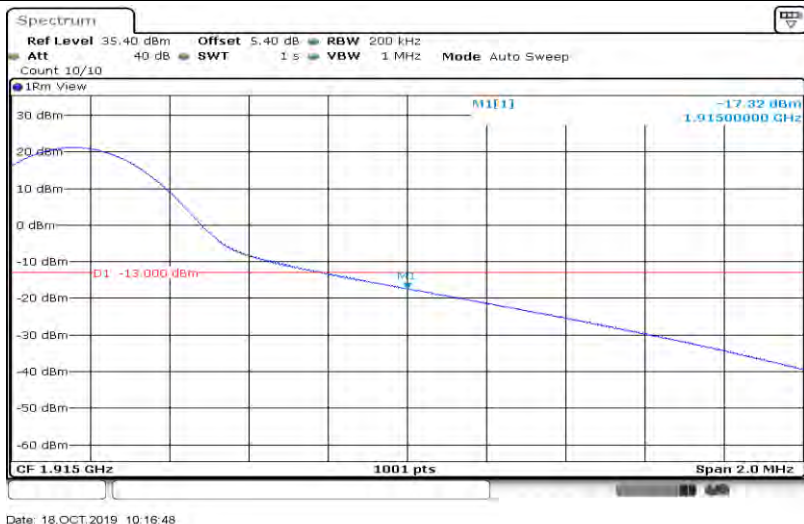
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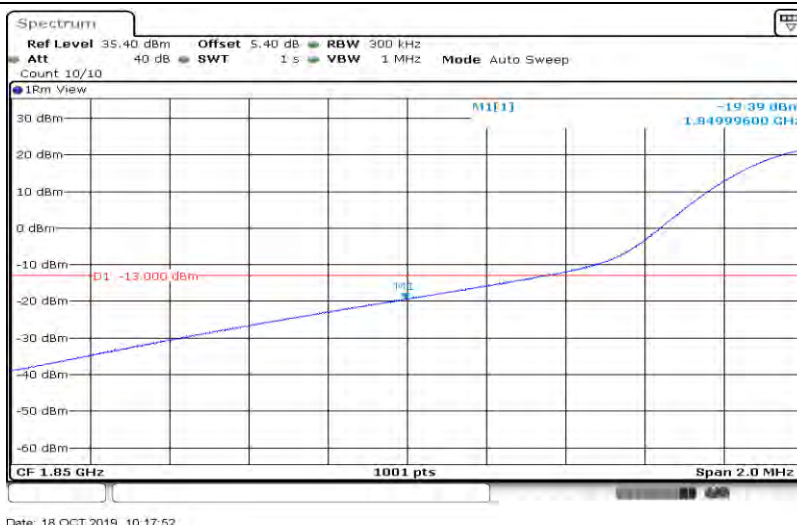
Band25-20MHz-QPSK-26140-1RB#0



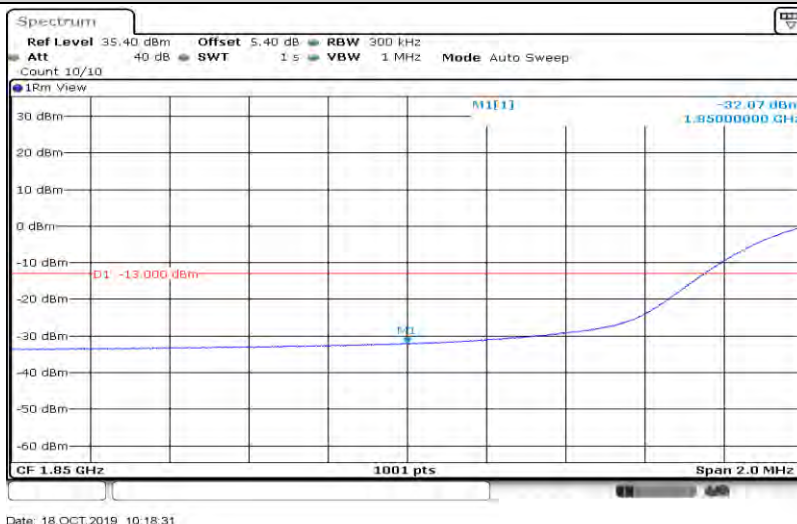
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Band25-20MHz-QPSK-26140-100RB#0



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



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Date: 18.OCT.2019 10:19:16

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



Date: 18.OCT.2019 10:19:55

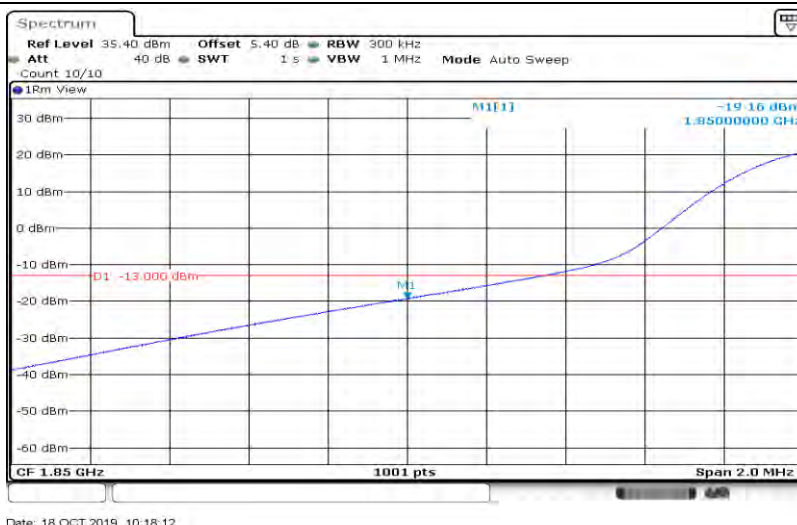
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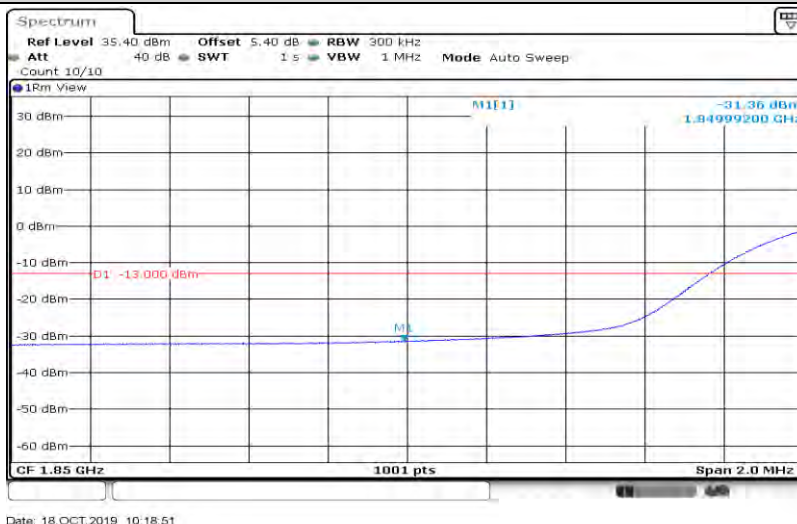
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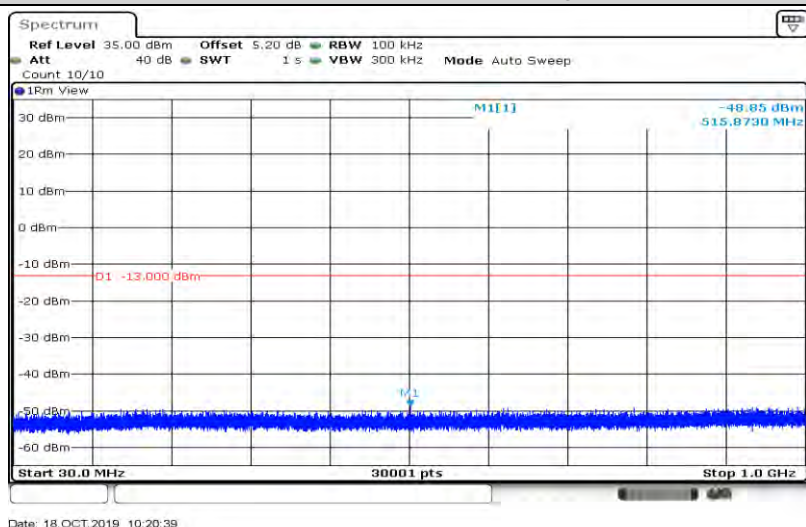
6. Spurious Emission at Antenna Terminal

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.

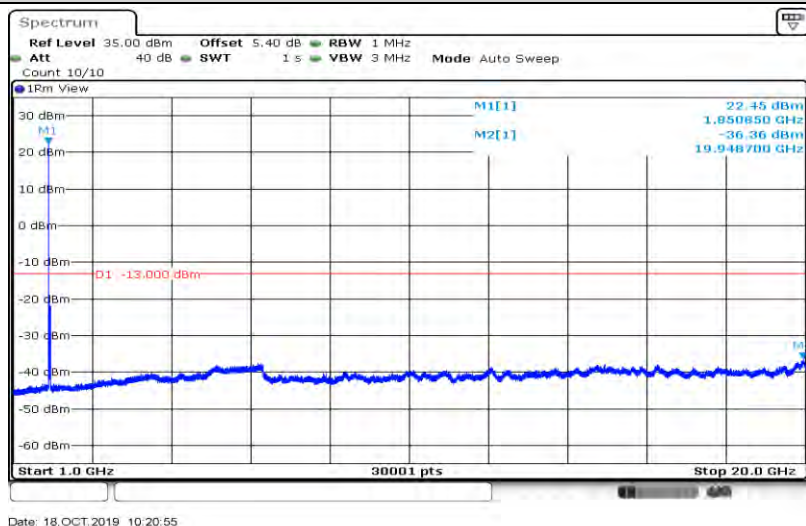
6.1. Test Plots

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



Date: 18.OCT.2019 10:20:39

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



Date: 18.OCT.2019 10:20:55

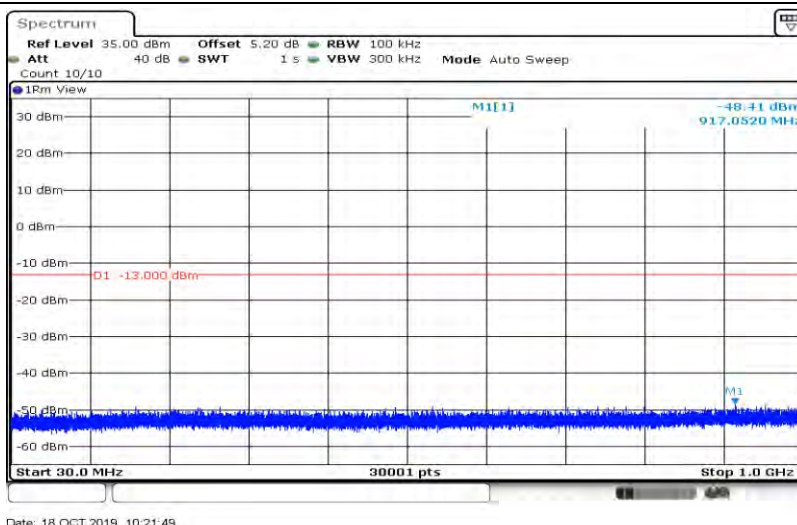
Band25-20MHz-QPSK-26365-1RB#0-Range1:30~1000MHz



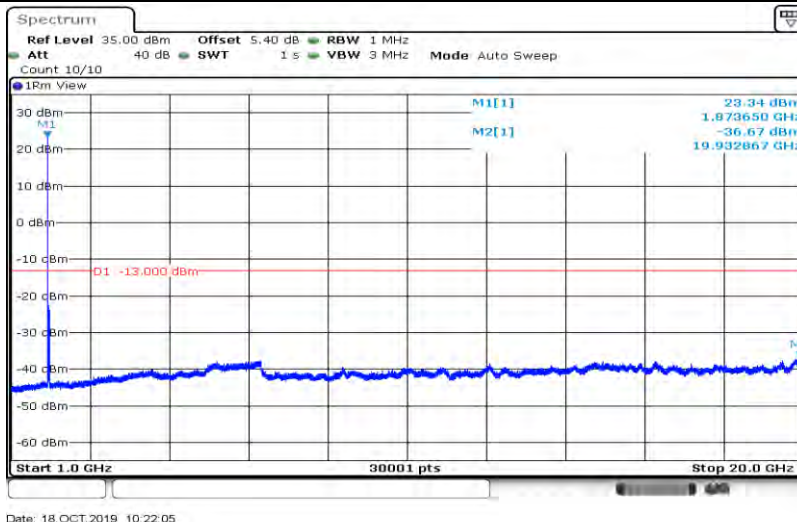
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Band25-20MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz

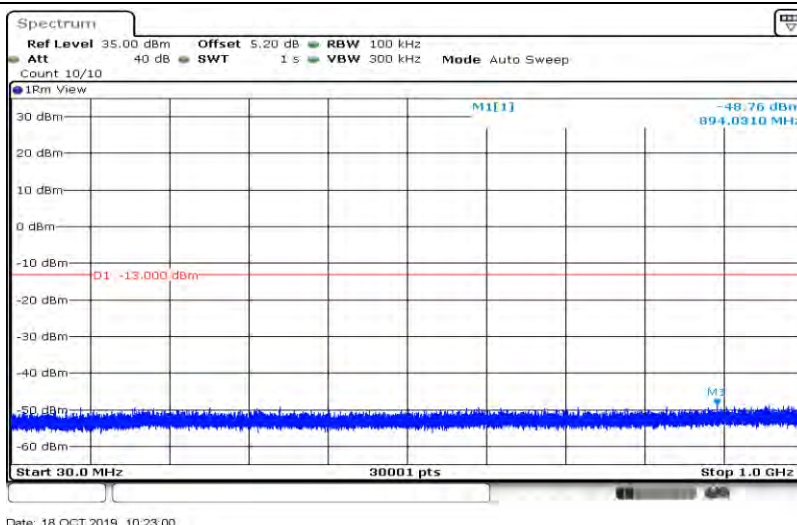


Band25-20MHz-QPSK-26590-1RB#0-Range1:30~1000MHz

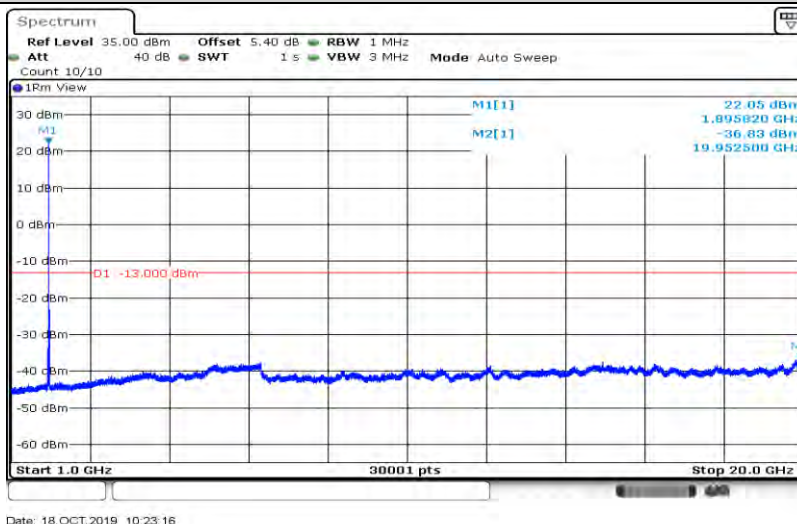


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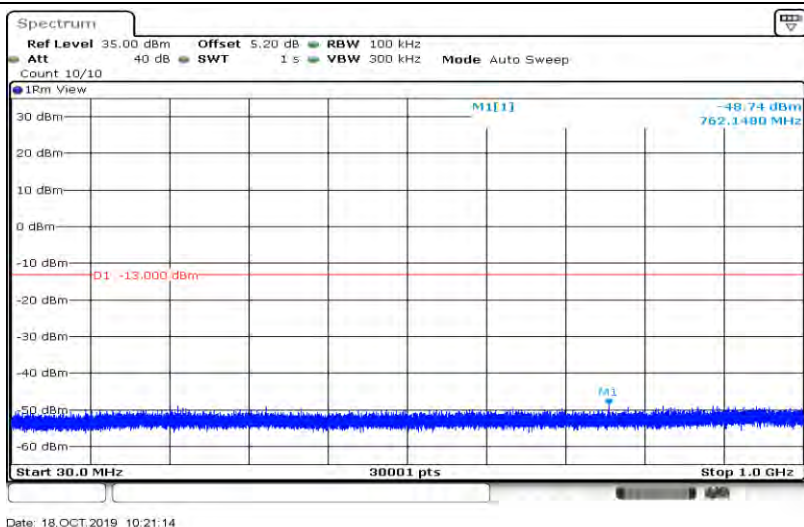


Band25-20MHz-QPSK-26590-1RB#0-Range2:1000~20000MHz

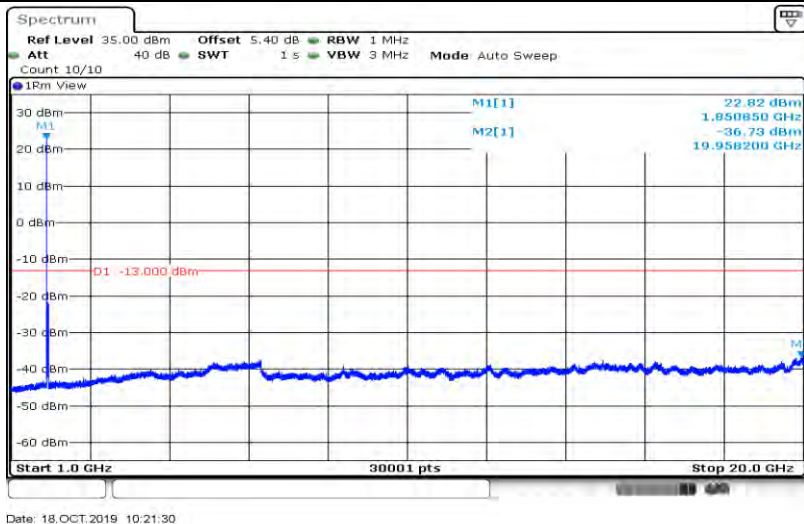


Band25-20MHz-16QAM-26140-1RB#0-Range1:30~1000MHz





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



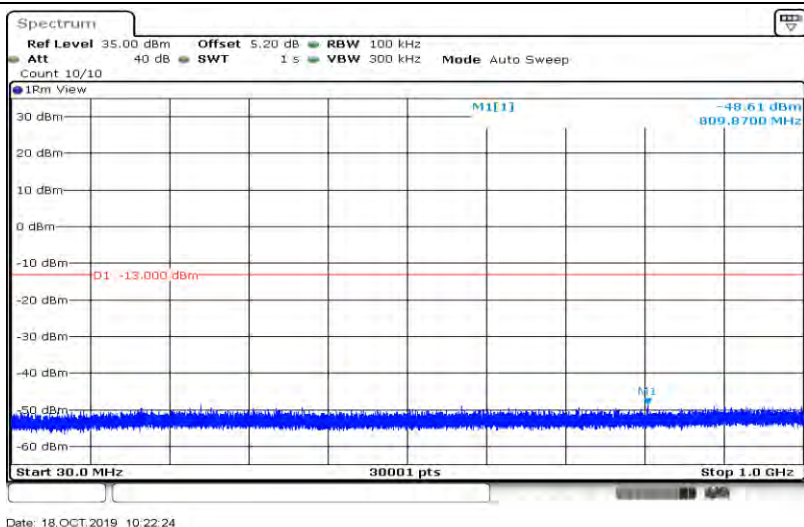
Band25-20MHz-16QAM-26365-1RB#0-Range1:30~1000MHz



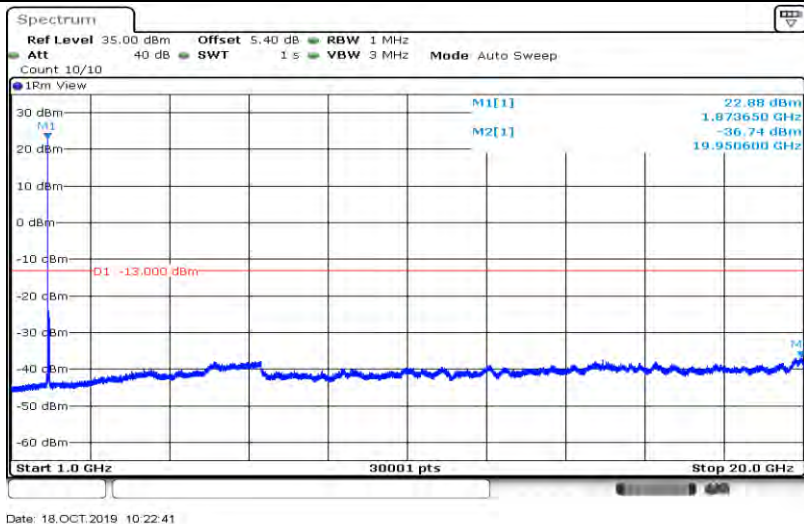
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Band25-20MHz-16QAM-26365-1RB#0-Range2:1000~20000MHz



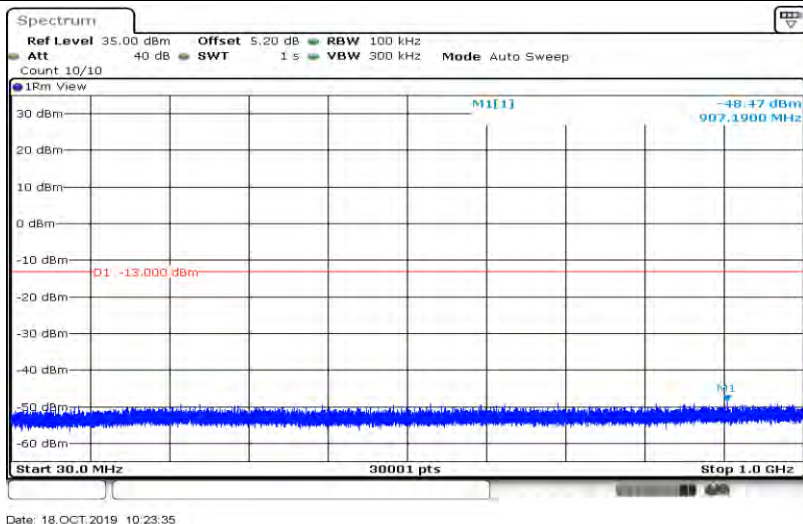
Band25-20MHz-16QAM-26590-1RB#0-Range1:30~1000MHz



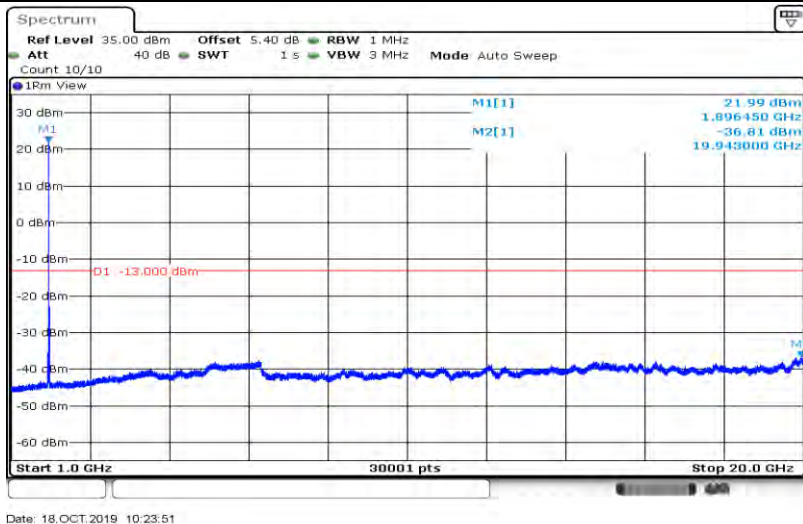
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Band25-20MHz-16QAM-26590-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.4010	-69.20	-13.00	56.20	Vertical
111.0476	-64.61	-13.00	51.61	Vertical
394.3502	-66.83	-13.00	53.83	Vertical
2696.3393	-36.90	-13.00	23.90	Vertical
5565.0855	-55.81	-13.00	42.81	Vertical
17998.5000	-33.09	-13.00	20.09	Vertical
43.0472	-63.64	-13.00	50.64	Horizontal
238.1724	-66.93	-13.00	53.93	Horizontal
524.9672	-65.69	-13.00	52.69	Horizontal
2702.3405	-35.52	-13.00	22.52	Horizontal
5808.0936	-55.20	-13.00	42.20	Horizontal
17999.0000	-37.68	-13.00	24.68	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
36.2083	-67.02	-13.00	54.02	Vertical
115.9948	-63.61	-13.00	50.61	Vertical
308.0644	-69.00	-13.00	56.00	Vertical
2697.1394	-36.71	-13.00	23.71	Vertical
7937.6646	-52.93	-13.00	39.93	Vertical
17995.9999	-33.08	-13.00	20.08	Vertical
44.9387	-63.45	-13.00	50.45	Horizontal
230.8485	-67.81	-13.00	54.81	Horizontal
493.2952	-65.68	-13.00	52.68	Horizontal
2691.5383	-35.79	-13.00	22.79	Horizontal
7984.1661	-53.17	-13.00	40.17	Horizontal
16394.4465	-38.51	-13.00	25.51	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.6734	-70.05	-13.00	57.05	Vertical
112.3571	-64.36	-13.00	51.36	Vertical
402.6926	-66.44	-13.00	53.44	Vertical
2713.1426	-36.85	-13.00	23.85	Vertical
7379.6460	-53.11	-13.00	40.11	Vertical
17989.9997	-33.03	-13.00	20.03	Vertical
40.5250	-63.92	-13.00	50.92	Horizontal
233.7587	-67.46	-13.00	54.46	Horizontal
495.7203	-64.82	-13.00	51.82	Horizontal
2697.9396	-35.73	-13.00	22.73	Horizontal
7992.6664	-53.21	-13.00	40.21	Horizontal
17990.4997	-37.30	-13.00	24.30	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	-2.40	-0.001290	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	-1.00	-0.000538	±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	-5.30	-0.002815	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-1.30	-0.000691	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-3.10	-0.001647	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	-2.00	-0.001050	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	0.70	0.000367	±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	2.20	0.001183	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VN	NT	-8.80	-0.004731	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VH	NT	2.30	0.001237	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VL	NT	-3.30	-0.001753	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VN	NT	-10.60	-0.005631	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VH	NT	-5.30	-0.002815	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VL	NT	-6.30	-0.003307	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VN	NT	-7.60	-0.003990	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	-12.40	-0.006509	±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	-6.80	-0.003656	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	-6.40	-0.003441	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	-6.30	-0.003387	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	-8.80	-0.004731	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	20	-4.60	-0.002473	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	30	-3.80	-0.002043	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	-1.70	-0.000914	±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	-3.70	-0.001965	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-6.50	-0.003453	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-1.80	-0.000956	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-9.80	-0.005206	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-3.80	-0.002019	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-6.30	-0.003347	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-7.70	-0.004090	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-5.60	-0.002975	±2.5	PASS



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Band25	20MHz	QPSK	26590	100RB#0	NV	-30	-3.30	-0.001732	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	-6.40	-0.003360	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	-15.20	-0.007979	±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	-1.10	-0.000577	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	-2.90	-0.001522	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	-8.40	-0.004409	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	-2.10	-0.001102	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-30	-0.60	-0.000323	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-20	-3.50	-0.001882	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	-2.30	-0.001237	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	-2.40	-0.001290	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	-5.00	-0.002688	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	-2.60	-0.001398	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	40	-4.30	-0.002312	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	50	-2.40	-0.001290	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-30	-8.60	-0.004568	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-20	-5.70	-0.003028	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	0	-9.00	-0.004781	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	10	-7.10	-0.003772	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	-3.70	-0.001965	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	-10.00	-0.005312	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	-1.50	-0.000797	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	-6.70	-0.003559	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-30	-7.60	-0.003990	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-20	-9.20	-0.004829	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	-1.30	-0.000682	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	-9.00	-0.004724	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	20	-0.40	-0.000210	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	30	-2.30	-0.001207	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	40	-6.10	-0.003202	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	0.10	0.000052	±2.5	PASS

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