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	21.70	22.60	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.00	22.90	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	21.43	22.33	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	21.69	22.59	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#2	22.13	23.03	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	21.34	22.24	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	20.78	21.68	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	21.97	22.87	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.08	22.98	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	21.76	22.66	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	22.01	22.91	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#2	22.05	22.95	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	21.74	22.64	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	20.74	21.64	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	21.56	22.46	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.04	22.94	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	21.53	22.43	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	21.49	22.39	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#2	22.01	22.91	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	21.51	22.41	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	20.84	21.74	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	20.67	21.57	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	20.67	21.57	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	20.44	21.34	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	20.72	21.62	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#2	20.67	21.57	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	20.48	21.38	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	19.75	20.65	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	20.77	21.67	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	20.83	21.73	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	20.52	21.42	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	20.77	21.67	33.00	PASS

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Band25	1.4MHz	16QAM	26365	3RB#2	20.90	21.80	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	20.47	21.37	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	19.83	20.73	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	20.32	21.22	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	20.81	21.71	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	20.30	21.20	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	20.47	21.37	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#2	20.81	21.71	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	20.32	21.22	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	19.93	20.83	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	21.73	22.63	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#7	22.07	22.97	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	21.40	22.30	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	20.83	21.73	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	20.86	21.76	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	20.84	21.74	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	20.74	21.64	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	21.97	22.87	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#7	22.03	22.93	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	21.74	22.64	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	20.89	21.79	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	21.02	21.92	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	20.89	21.79	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	20.76	21.66	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	21.52	22.42	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#7	22.06	22.96	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	21.55	22.45	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	20.92	21.82	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	21.01	21.91	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	20.78	21.68	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	20.89	21.79	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	20.66	21.56	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#7	20.75	21.65	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	20.42	21.32	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	19.73	20.63	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	19.72	20.62	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	19.62	20.52	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	19.70	20.60	33.00	PASS

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Band25	3MHz	16QAM	26365	1RB#0	20.76	21.66	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#7	20.84	21.74	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	20.51	21.41	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	19.46	20.36	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	19.99	20.89	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	19.89	20.79	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	19.81	20.71	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	20.33	21.23	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#7	20.82	21.72	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	20.38	21.28	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	19.99	20.89	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	20.02	20.92	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	19.97	20.87	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	19.95	20.85	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	21.69	22.59	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#13	22.10	23.00	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	21.40	22.30	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	20.91	21.81	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	20.84	21.74	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	20.75	21.65	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	20.82	21.72	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.02	22.92	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#13	22.03	22.93	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	21.74	22.64	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	20.90	21.80	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	20.97	21.87	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	20.80	21.70	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	20.81	21.71	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	21.49	22.39	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#13	22.00	22.90	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	21.51	22.41	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	20.95	21.85	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	20.96	21.86	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	20.82	21.72	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	20.85	21.75	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	20.67	21.57	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#13	20.65	21.55	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	20.50	21.40	33.00	PASS

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Band25	5MHz	16QAM	26065	12RB#0	19.74	20.64	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	19.73	20.63	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	19.61	20.51	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	19.74	20.64	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	20.83	21.73	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#13	20.89	21.79	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	20.49	21.39	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	19.43	20.33	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	19.99	20.89	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	19.91	20.81	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	19.78	20.68	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	20.38	21.28	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#13	20.74	21.64	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	20.32	21.22	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	20.08	20.98	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	19.98	20.88	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	19.98	20.88	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	19.97	20.87	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	21.69	22.59	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#25	22.06	22.96	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	21.37	22.27	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	20.89	21.79	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#13	20.88	21.78	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	20.77	21.67	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	20.79	21.69	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	21.97	22.87	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#25	22.03	22.93	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	21.70	22.60	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	20.92	21.82	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#13	20.95	21.85	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	20.83	21.73	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	20.76	21.66	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	21.57	22.47	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#25	21.98	22.88	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	21.52	22.42	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	20.95	21.85	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#13	20.99	21.89	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	20.82	21.72	33.00	PASS

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Band25	10MHz	QPSK	26640	50RB#0	20.83	21.73	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	20.72	21.62	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#25	20.66	21.56	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	20.48	21.38	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	19.80	20.70	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#13	19.74	20.64	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	19.57	20.47	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	19.71	20.61	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	20.81	21.71	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#25	20.91	21.81	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	20.47	21.37	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#0	19.48	20.38	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#13	20.05	20.95	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	19.90	20.80	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	19.81	20.71	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	20.36	21.26	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#25	20.81	21.71	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	20.32	21.22	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	20.09	20.99	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#13	20.00	20.90	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	19.91	20.81	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	19.88	20.78	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	21.72	22.62	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.06	22.96	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	21.43	22.33	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	20.87	21.77	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	20.85	21.75	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	20.79	21.69	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	20.76	21.66	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.01	22.91	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.02	22.92	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	21.68	22.58	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	20.91	21.81	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#18	21.02	21.92	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	20.79	21.69	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	20.81	21.71	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	21.48	22.38	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.05	22.95	33.00	PASS

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Band25	15MHz	QPSK	26615	1RB#74	21.52	22.42	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	20.96	21.86	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	20.96	21.86	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	20.79	21.69	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	20.88	21.78	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	20.74	21.64	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	20.72	21.62	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	20.49	21.39	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#0	19.74	20.64	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	19.76	20.66	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	19.55	20.45	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	19.69	20.59	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	20.74	21.64	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	20.88	21.78	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	20.51	21.41	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	19.42	20.32	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	20.01	20.91	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	19.88	20.78	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	19.85	20.75	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	20.34	21.24	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	20.72	21.62	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	20.30	21.20	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	19.99	20.89	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	19.97	20.87	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	19.94	20.84	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	19.92	20.82	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	21.89	22.79	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#50	22.20	23.10	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	21.54	22.44	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	21.01	21.91	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	21.02	21.92	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	20.94	21.84	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	20.94	21.84	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.14	23.04	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#50	22.21	23.11	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	21.86	22.76	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	21.03	21.93	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	21.15	22.05	33.00	PASS

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Band25	20MHz	QPSK	26365	50RB#50	20.99	21.89	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	20.93	21.83	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	21.67	22.57	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#50	22.18	23.08	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	21.68	22.58	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	21.08	21.98	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	21.13	22.03	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	20.97	21.87	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.01	21.91	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	20.85	21.75	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#50	20.85	21.75	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	20.60	21.50	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	19.91	20.81	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	19.92	20.82	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	19.75	20.65	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	19.86	20.76	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	20.93	21.83	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#50	21.01	21.91	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	20.62	21.52	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	19.60	20.50	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	20.17	21.07	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	20.01	20.91	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	19.95	20.85	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	20.48	21.38	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#50	20.92	21.82	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	20.49	21.39	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	20.19	21.09	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	20.12	21.02	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	20.11	21.01	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.08	20.98	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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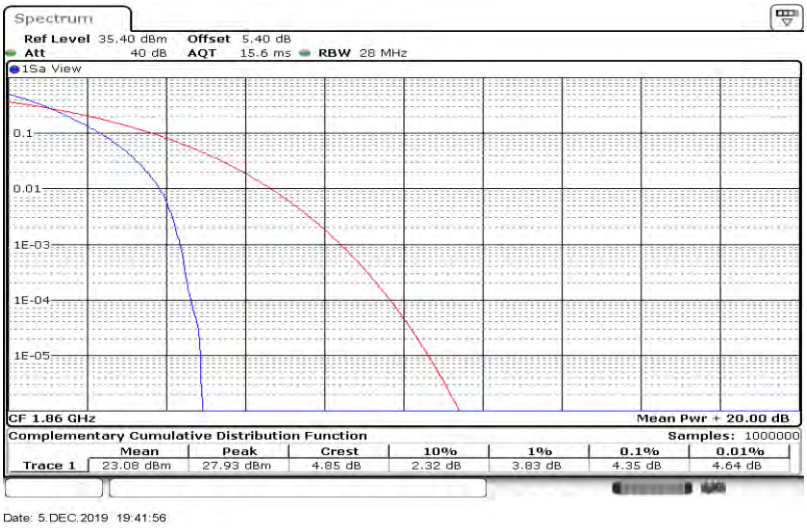
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	4.35	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.70	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.61	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.30	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.62	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.48	13	PASS

2.2. Test Plots

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



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

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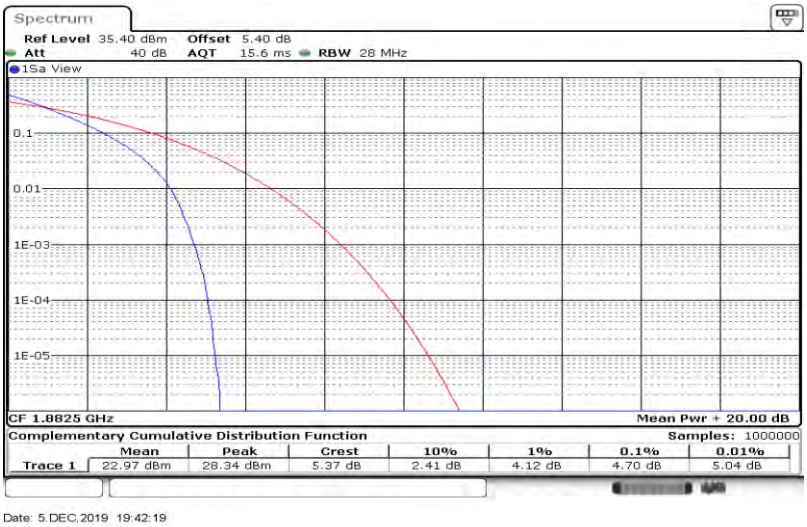
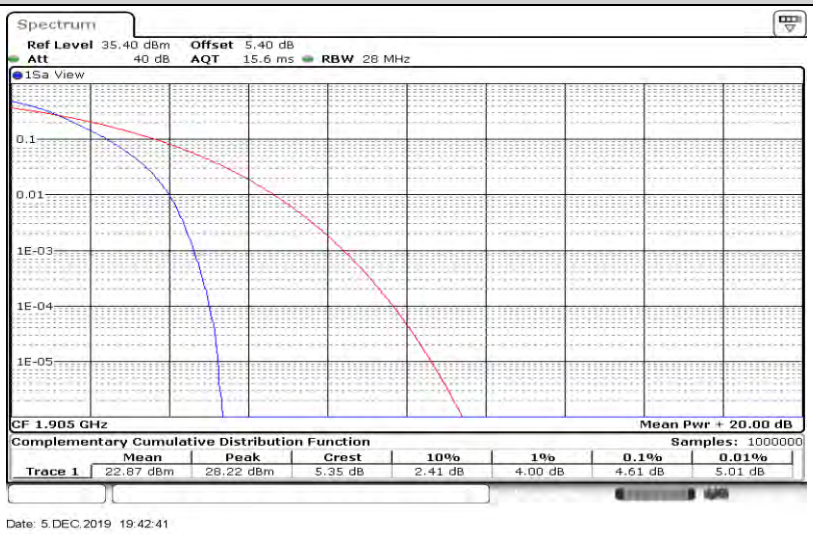


Band25-20MHz-QPSK-26590-100RB#0



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

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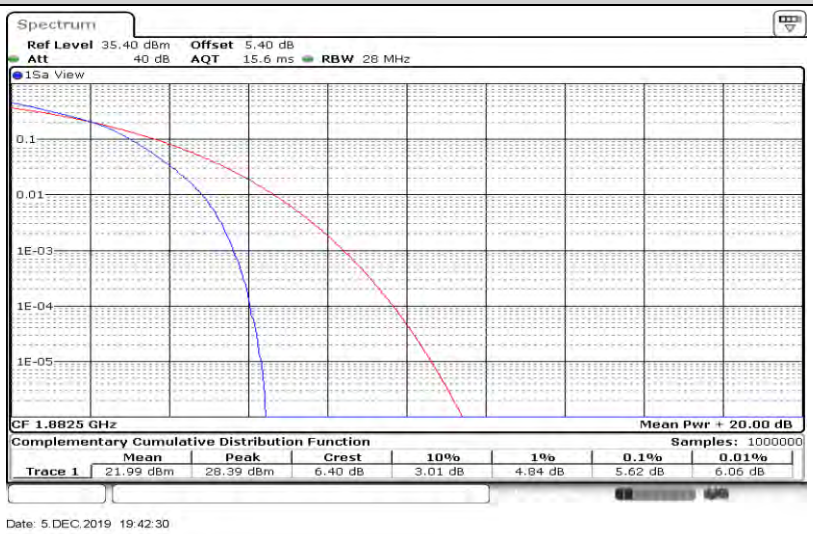

Band25-20MHz-16QAM-26590-100RB#0

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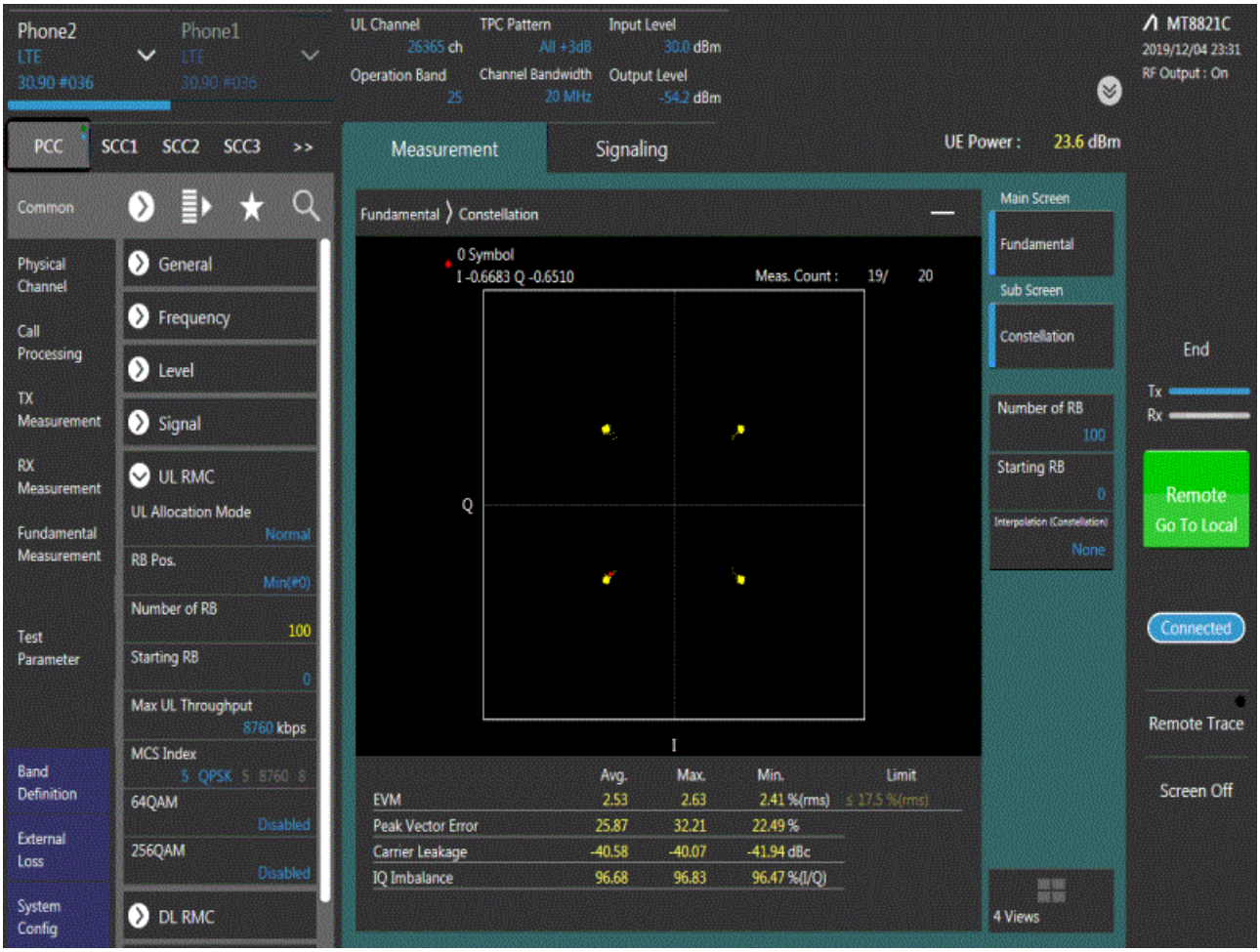
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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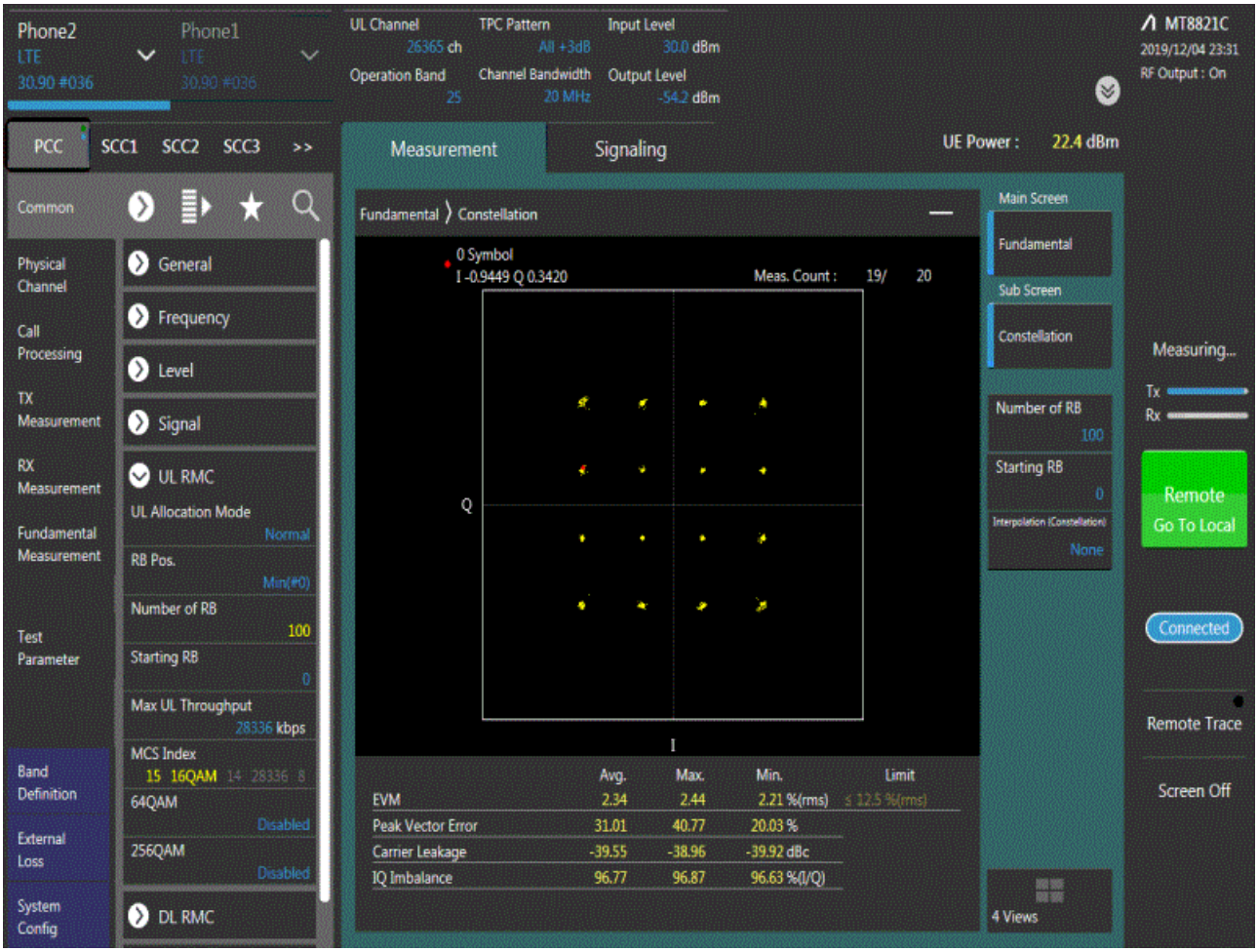
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.094	1.293	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.094	1.296	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.097	1.323	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.091	1.278	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.091	1.281	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.091	1.284	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	3.000	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.697	3.000	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	3.000	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.685	2.970	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.466	4.930	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.476	4.930	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.476	4.930	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.486	4.960	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.496	4.960	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	4.980	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.911	9.720	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.911	9.700	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.911	9.720	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.931	9.720	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.911	9.740	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.911	9.740	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.427	14.700	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.427	14.820	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.457	14.790	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	13.427	14.760	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.822	19.320	PASS

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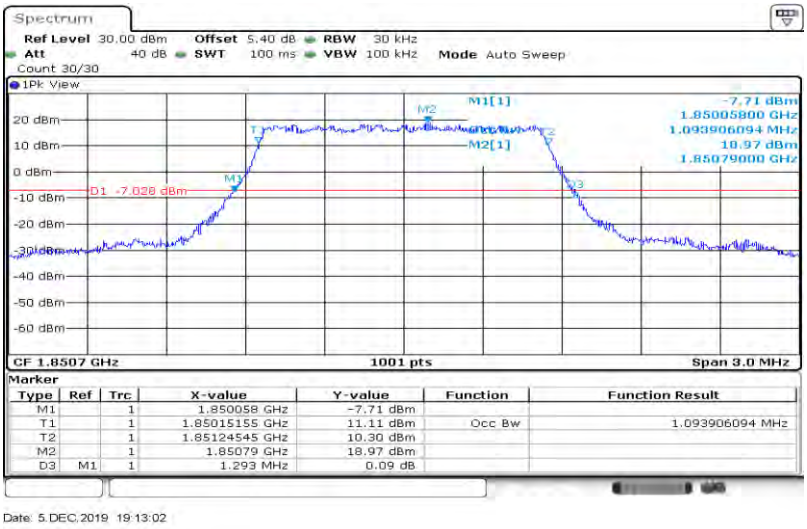
Band25	20MHz	QPSK	26365	100RB#0	17.862	19.480	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.862	19.320	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.822	19.360	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.862	19.400	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.862	19.280	PASS

4.2. Test Plots

Band25-1.4MHz-QPSK-26047-6RB#0-1.094



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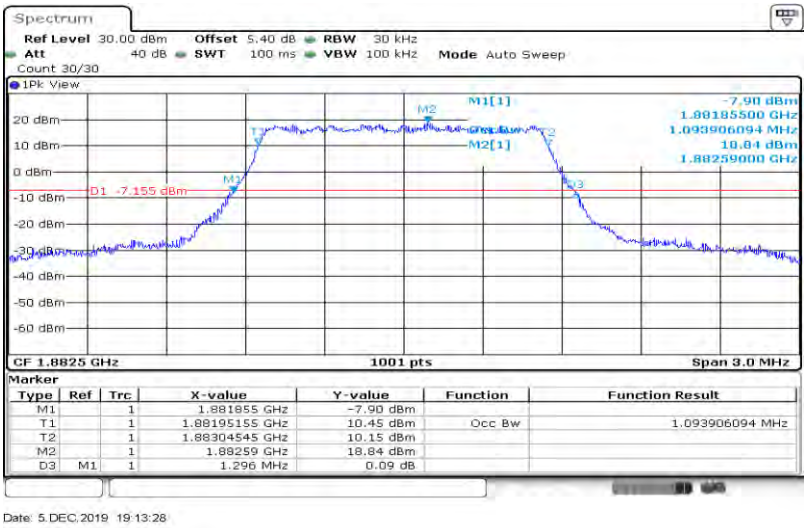

Band25-1.4MHz-QPSK-26683-6RB#0-1.097

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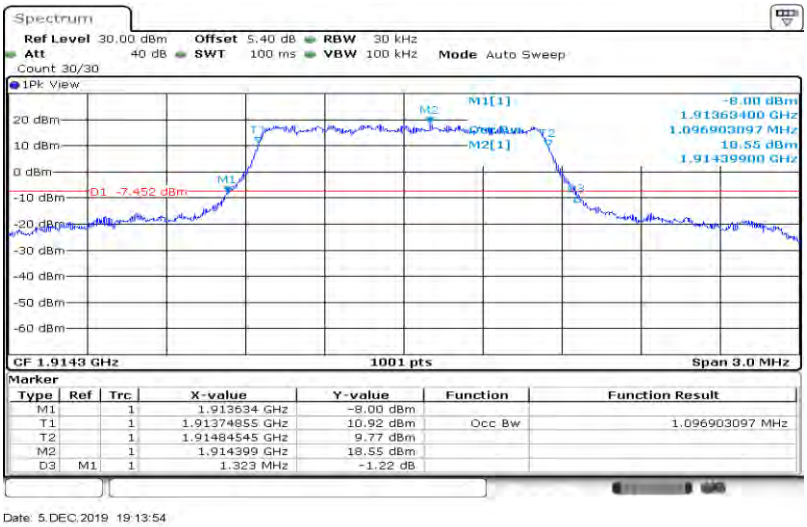
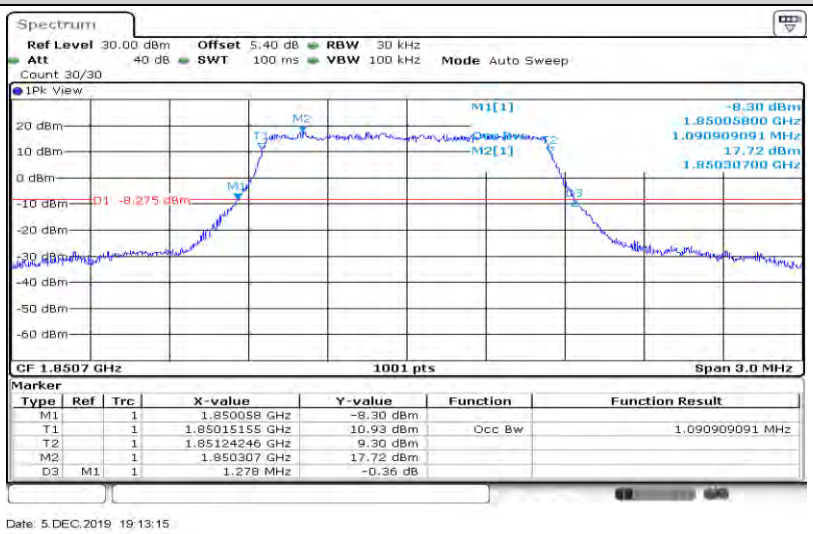


Band25-1.4MHz-16QAM-26047-6RB#0-1.091



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

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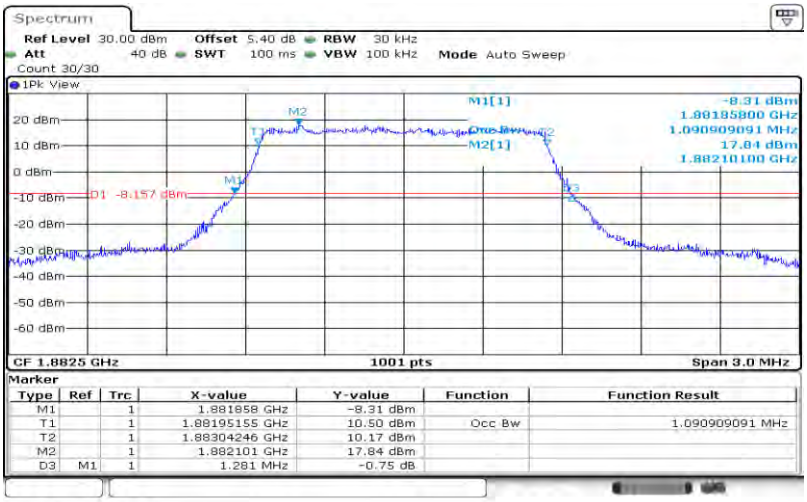
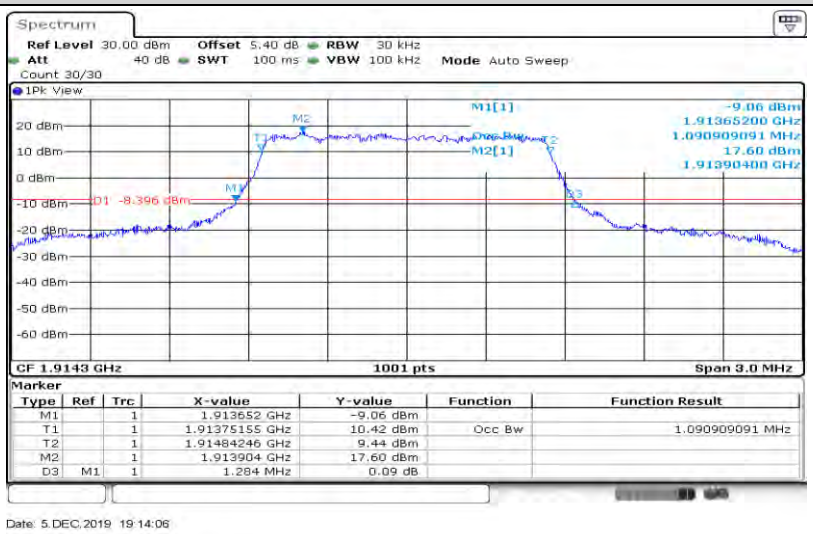


Band25-1.4MHz-16QAM-26683-6RB#0-1.091



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

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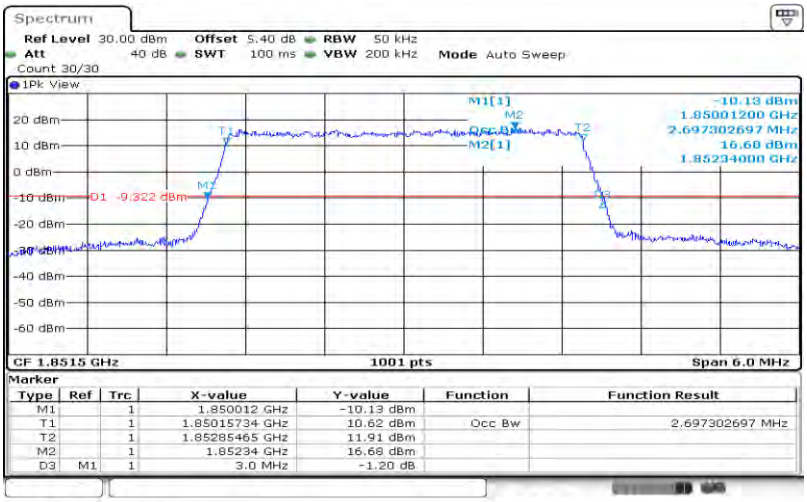
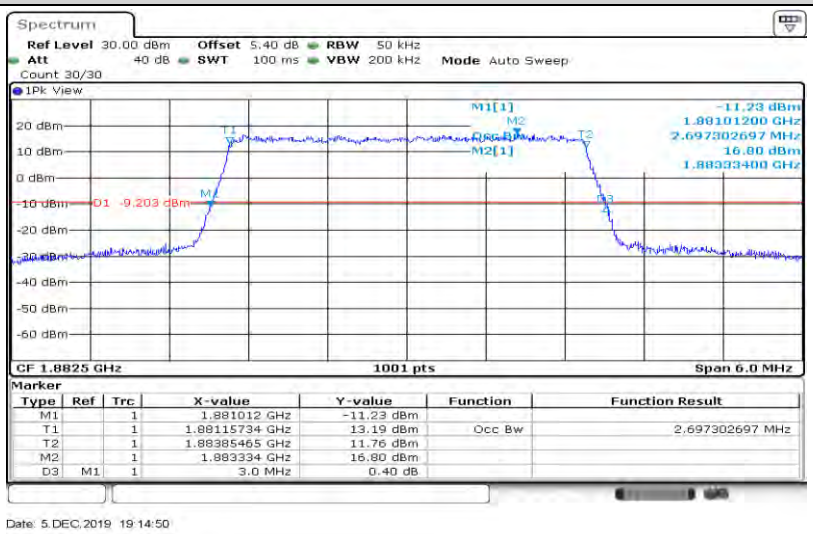


Band25-3MHz-QPSK-26365-15RB#0-2.697



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

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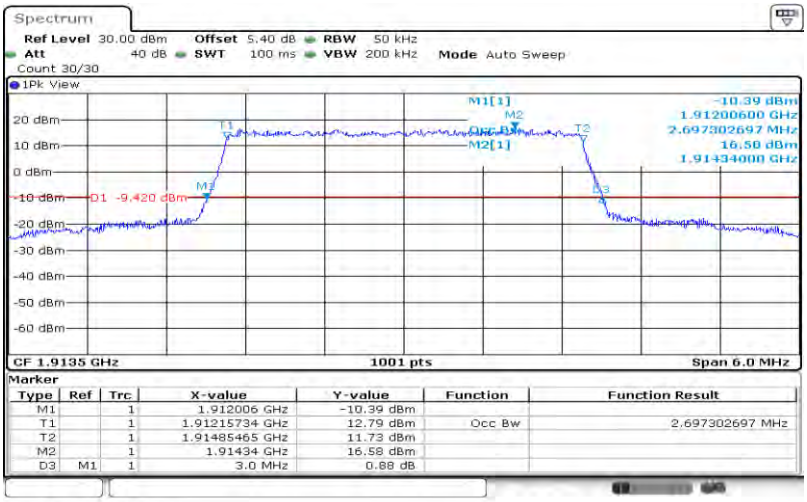
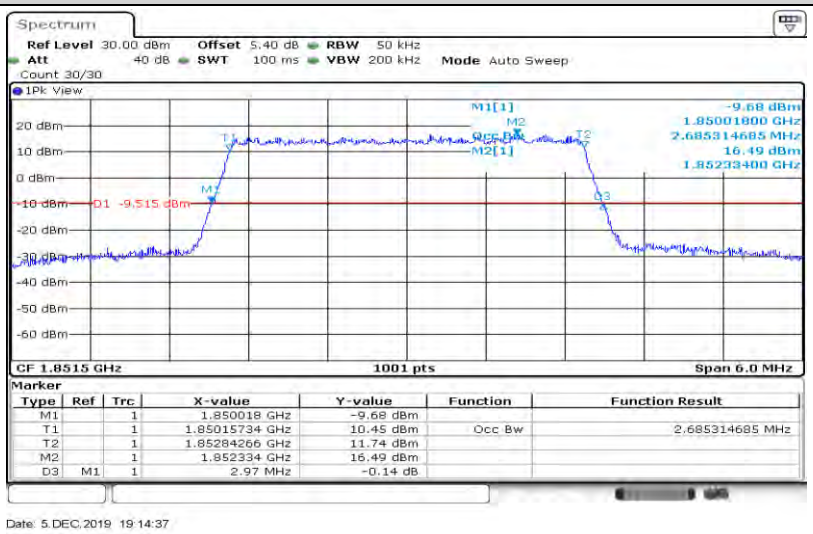


Band25-3MHz-16QAM-26055-15RB#0-2.685



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

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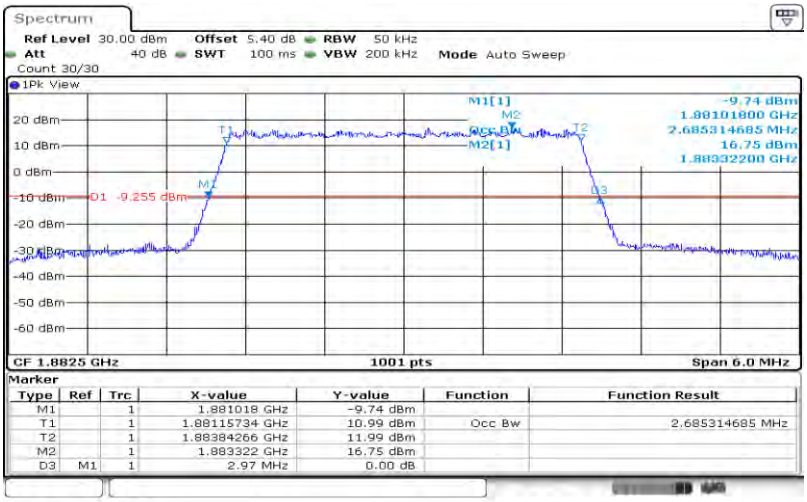
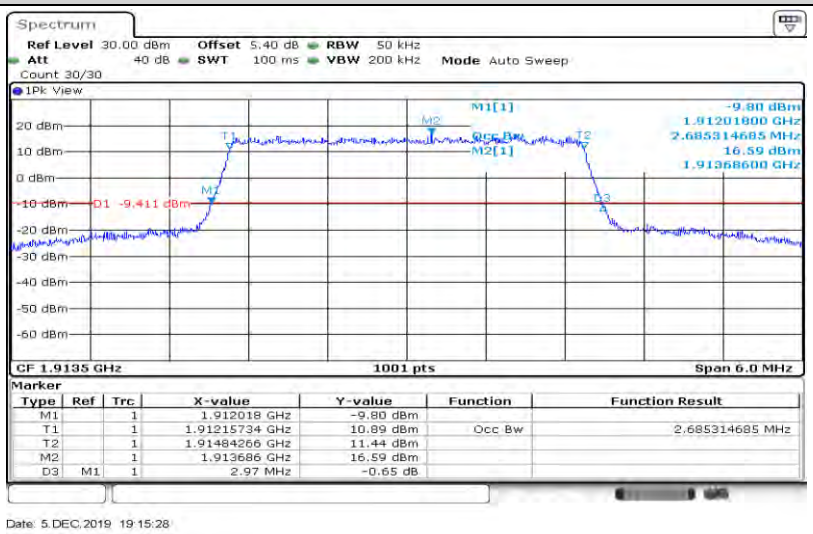


Band25-3MHz-16QAM-26675-15RB#0-2.685



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

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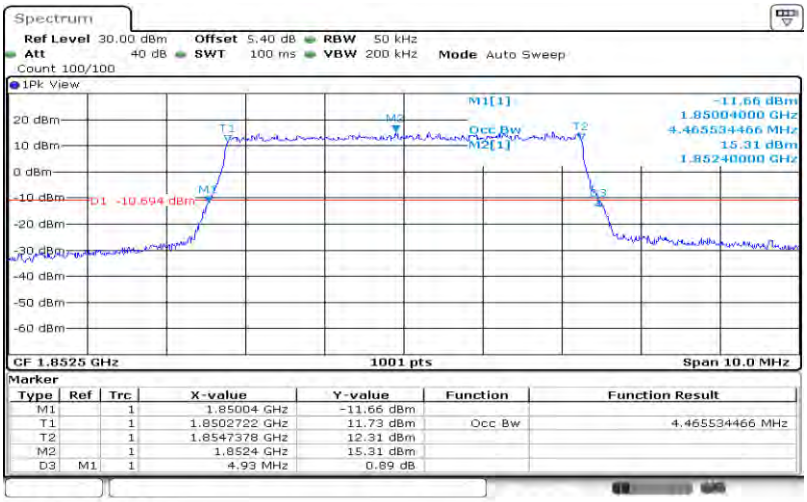

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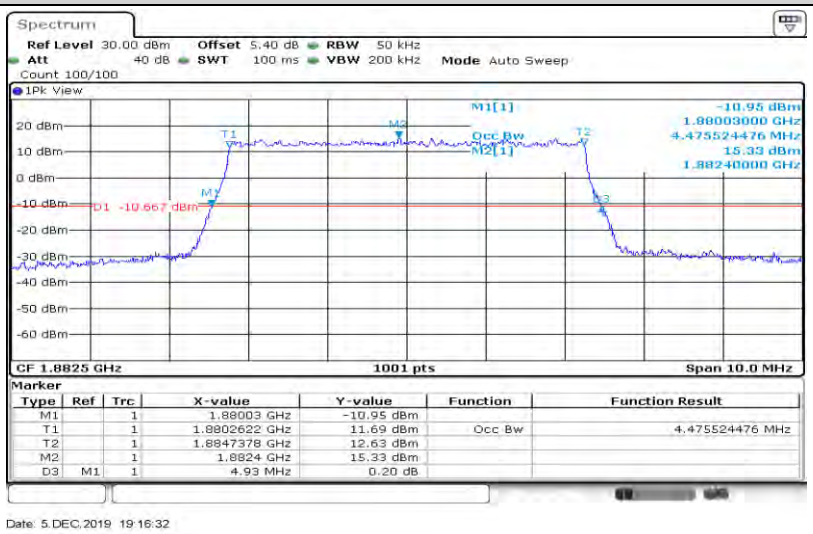

Band25-5MHz-QPSK-26665-25RB#0-4.476

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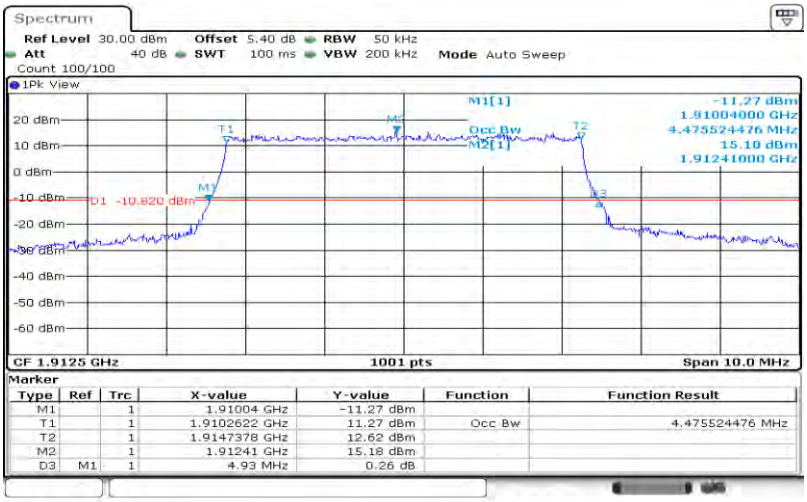

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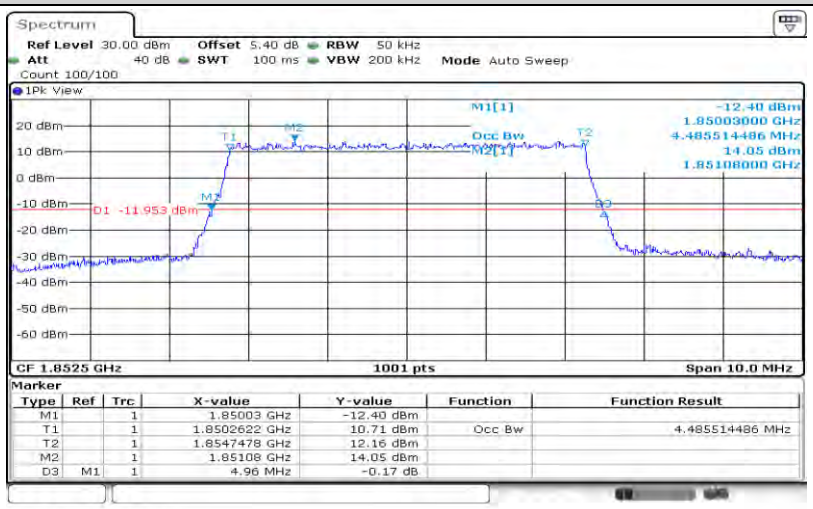
Band25-5MHz-16QAM-26065-25RB#0-4.486



Date: 5.DEC.2019 19:16:12

Band25-5MHz-16QAM-26365-25RB#0-4.496

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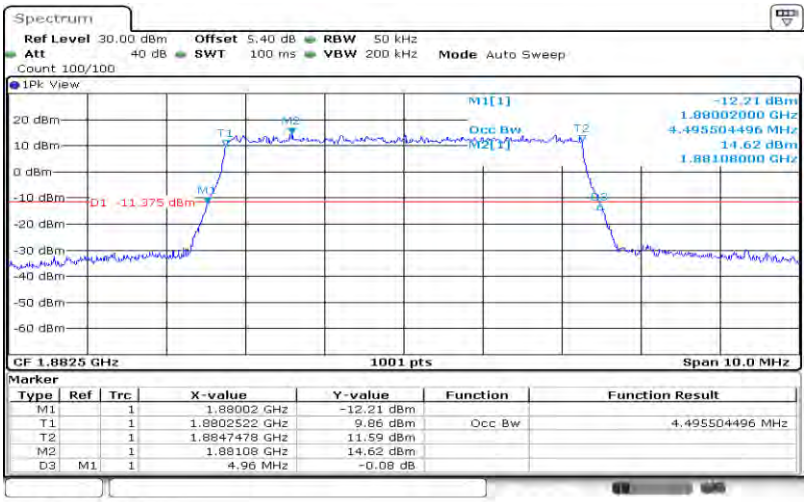

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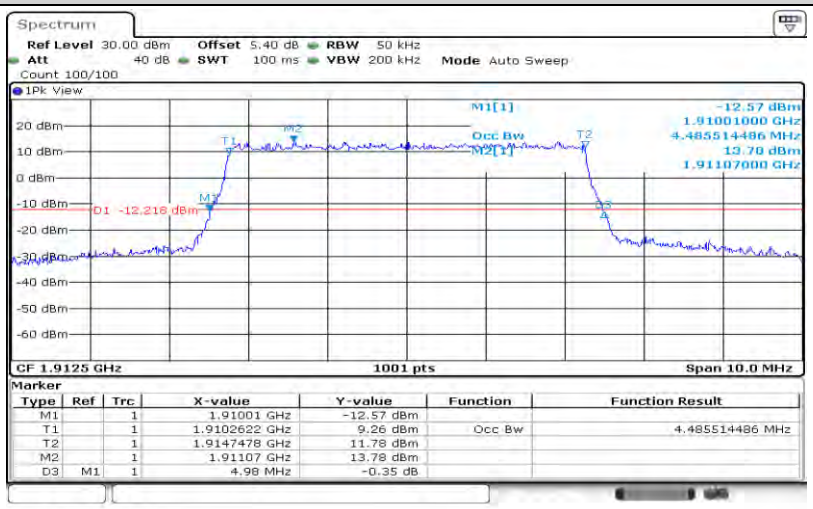

Date: 5.DEC.2019 19:17:31

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

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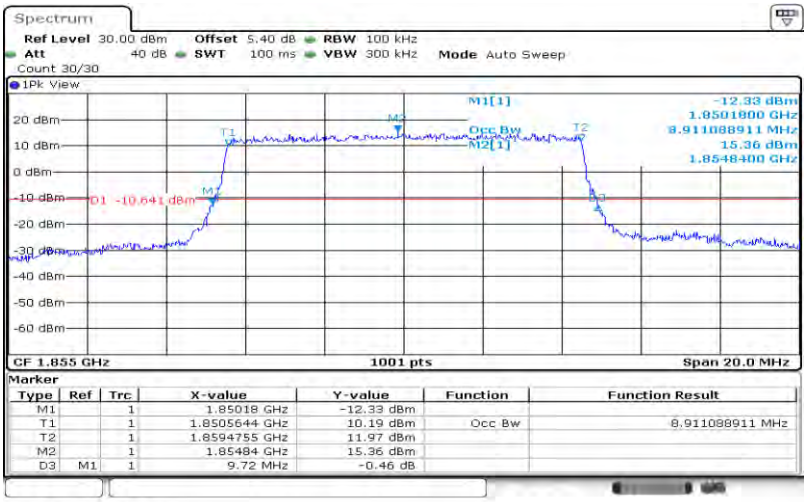

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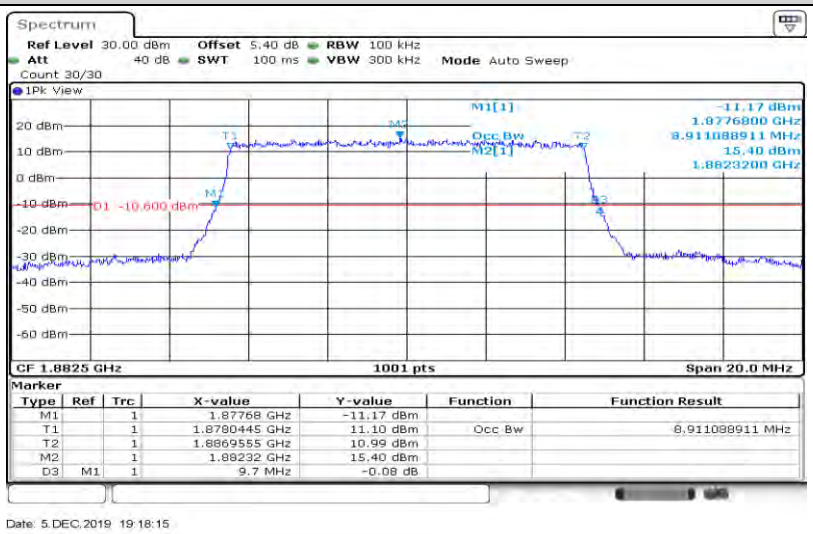

Band25-10MHz-QPSK-26640-50RB#0-8.911

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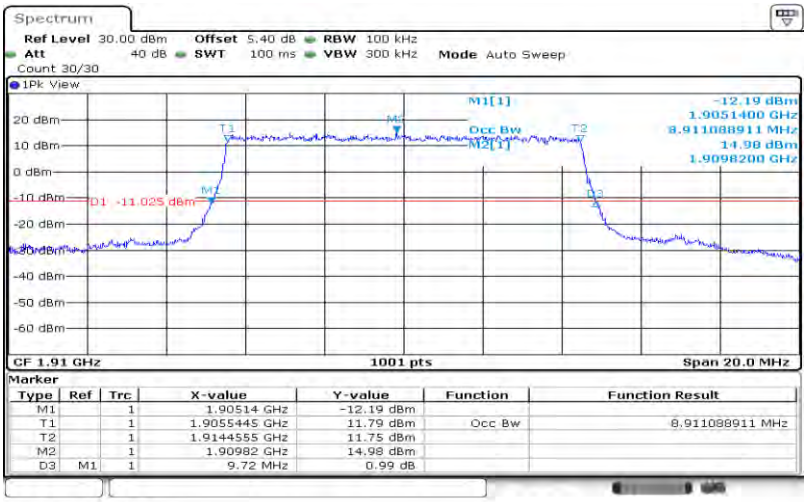
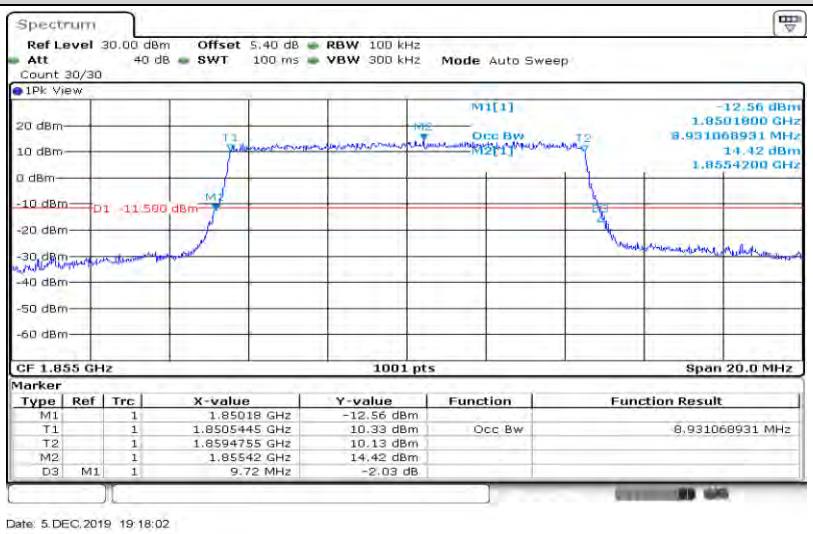


Band25-10MHz-16QAM-26090-50RB#0-8.931



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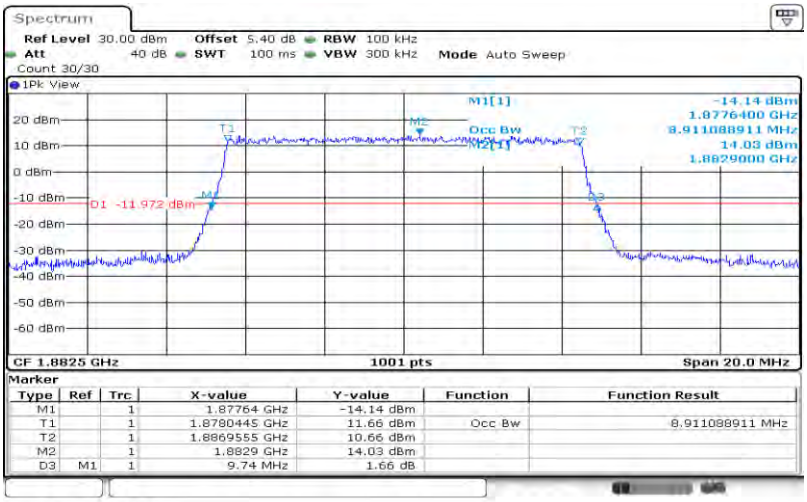

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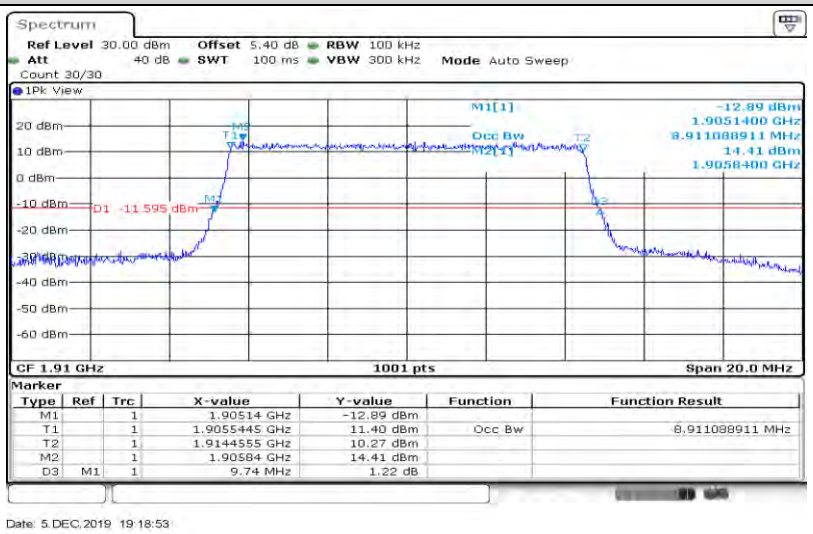

Band25-15MHz-QPSK-26115-75RB#0-13.427

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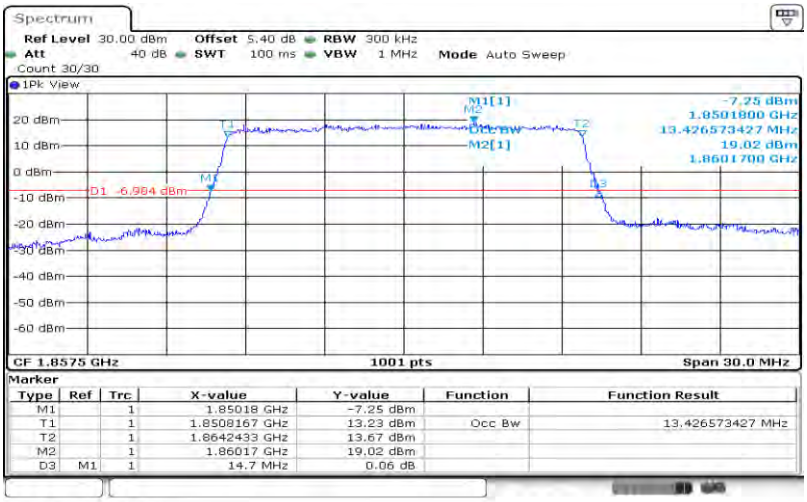

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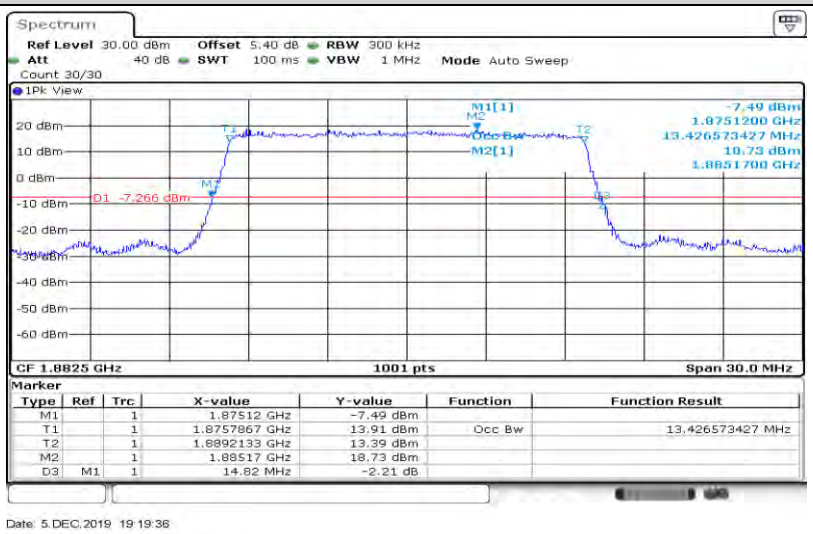

Band25-15MHz-QPSK-26615-75RB#0-13.457

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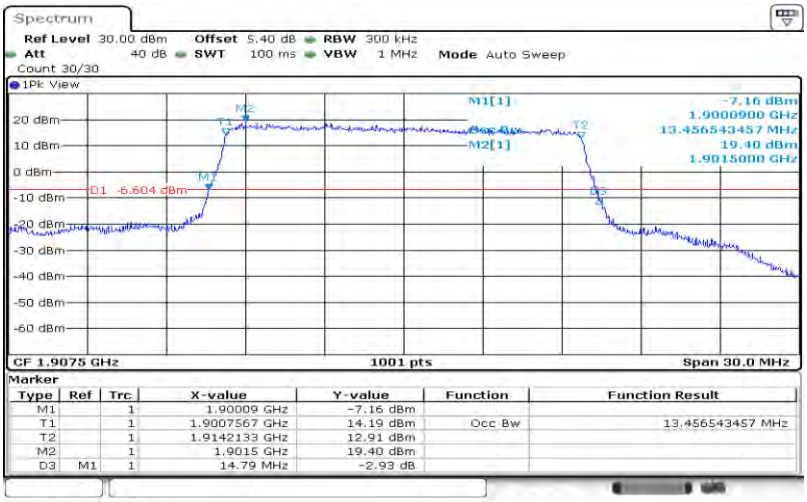

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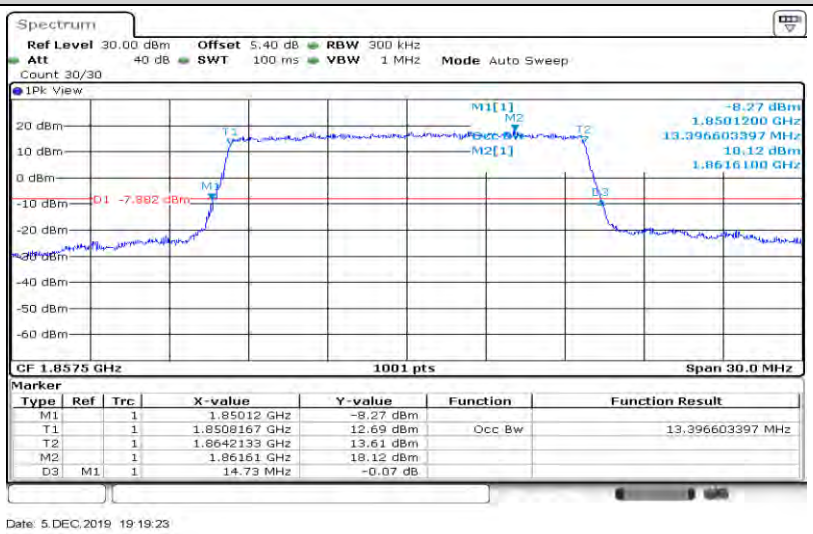

Band25-15MHz-16QAM-26365-75RB#0-13.427

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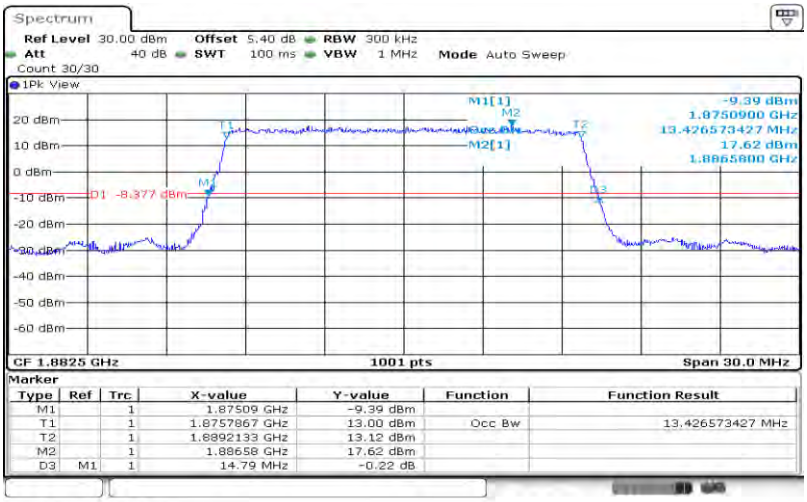

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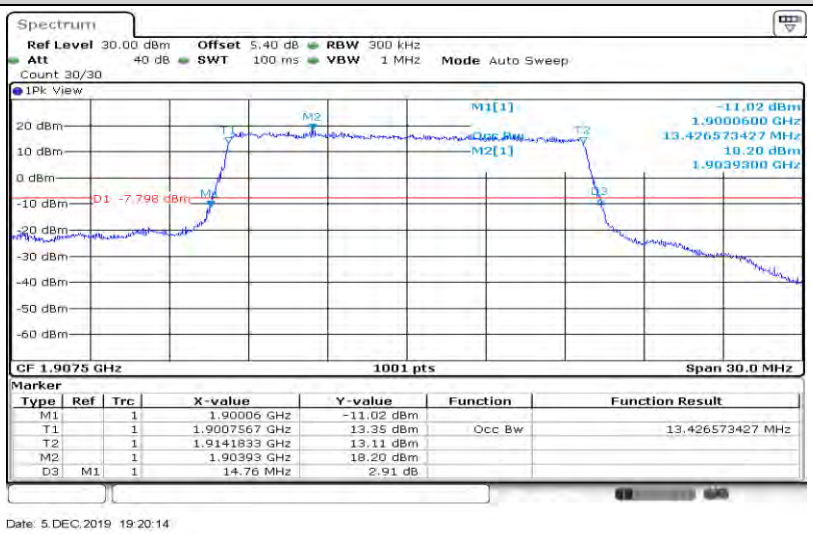

Band25-20MHz-QPSK-26140-100RB#0-17.822

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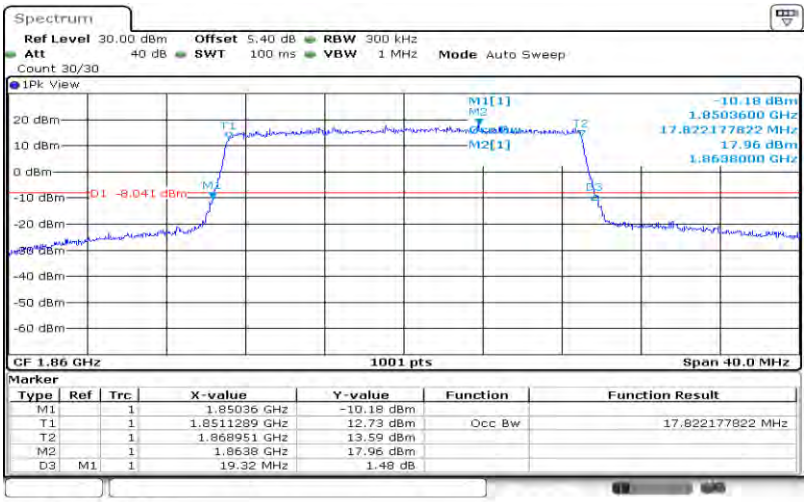
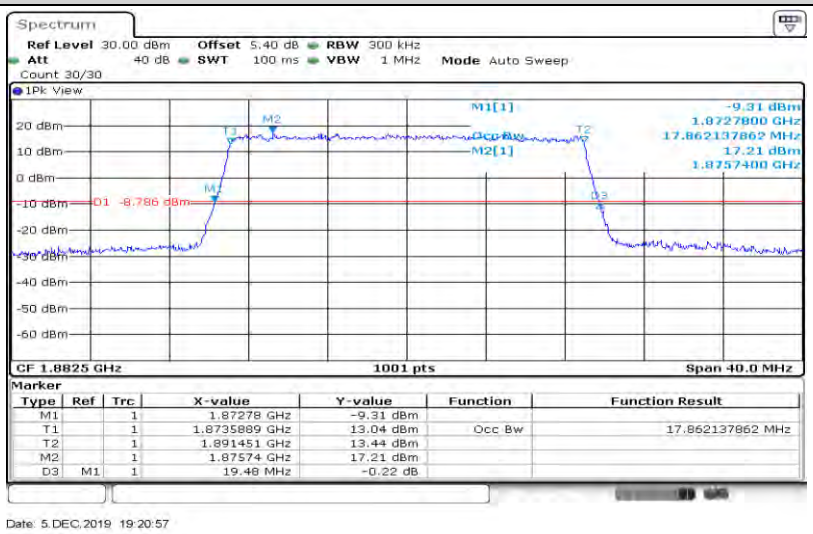


Band25-20MHz-QPSK-26365-100RB#0-17.862



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

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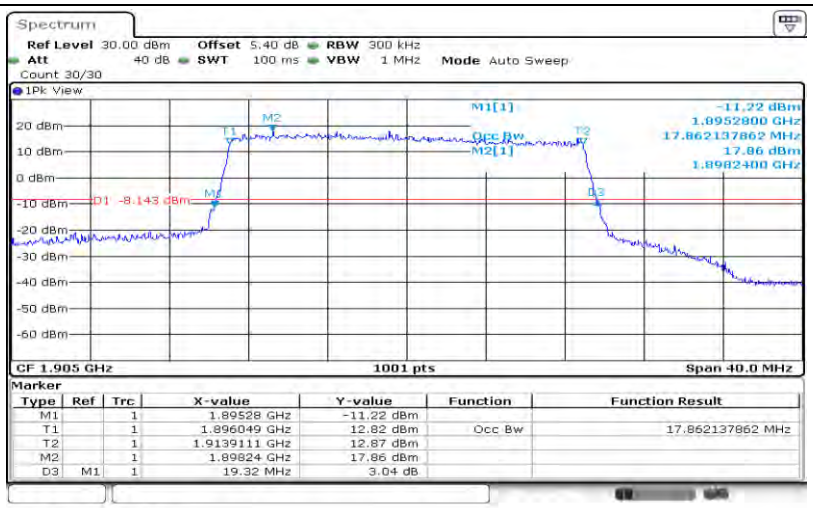

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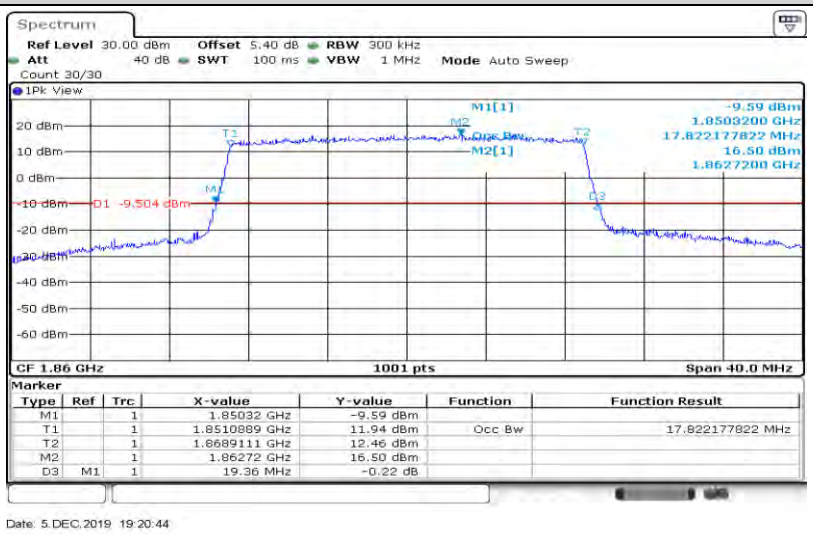

Band25-20MHz-16QAM-26365-100RB#0-17.862

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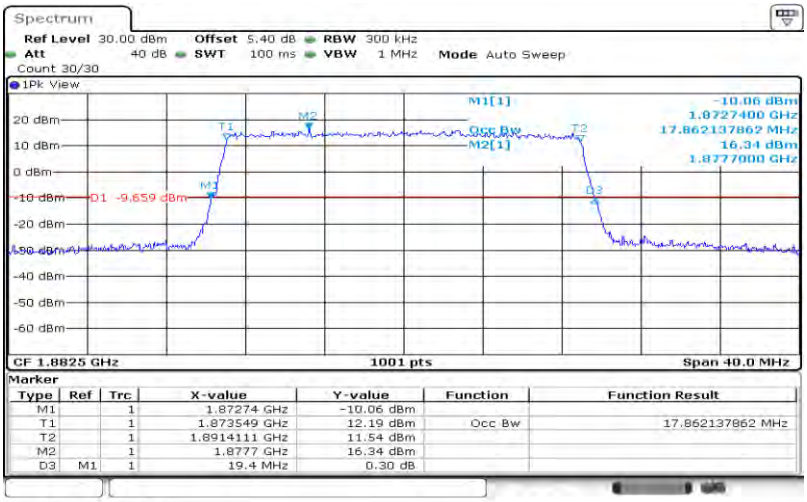

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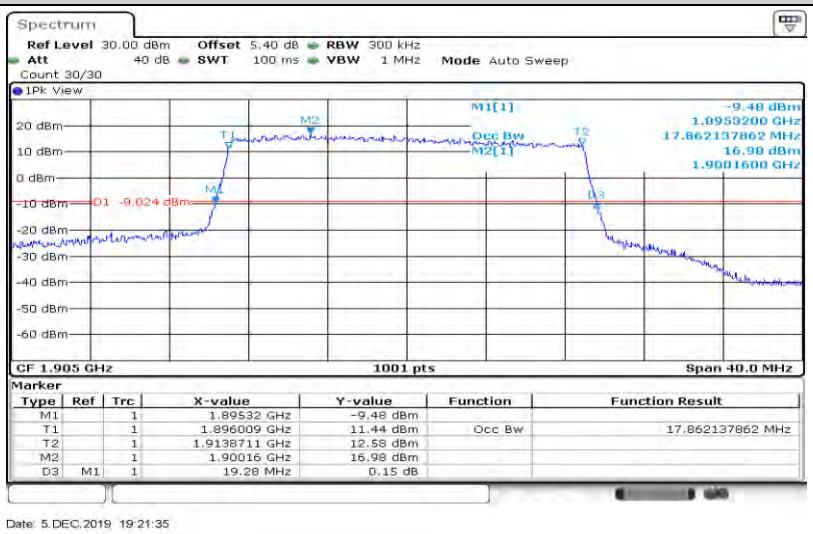

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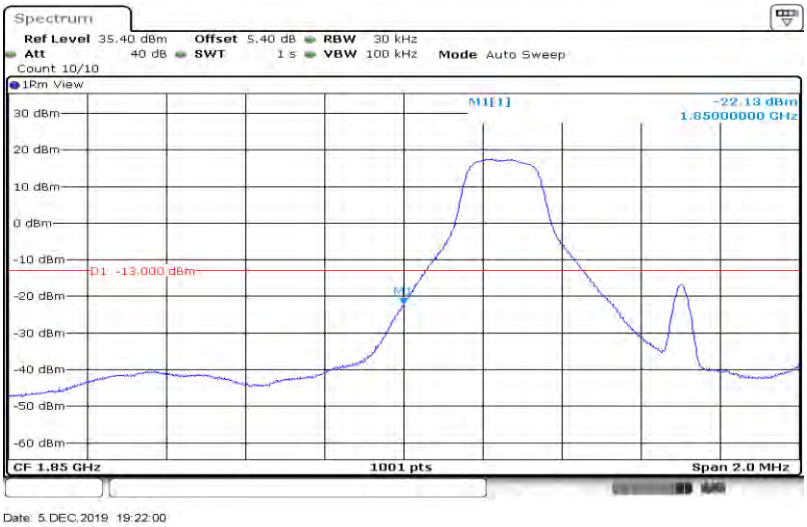
5. Band Edge Compliance

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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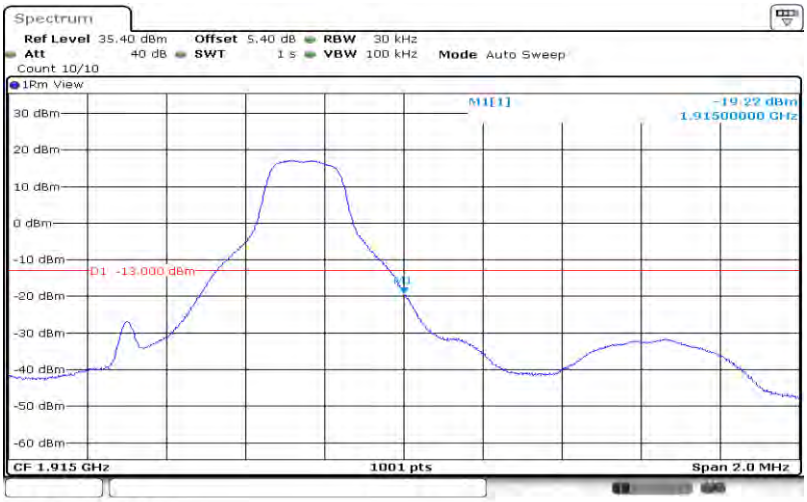

Band25-1.4MHz-QPSK-26683-6RB#0

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

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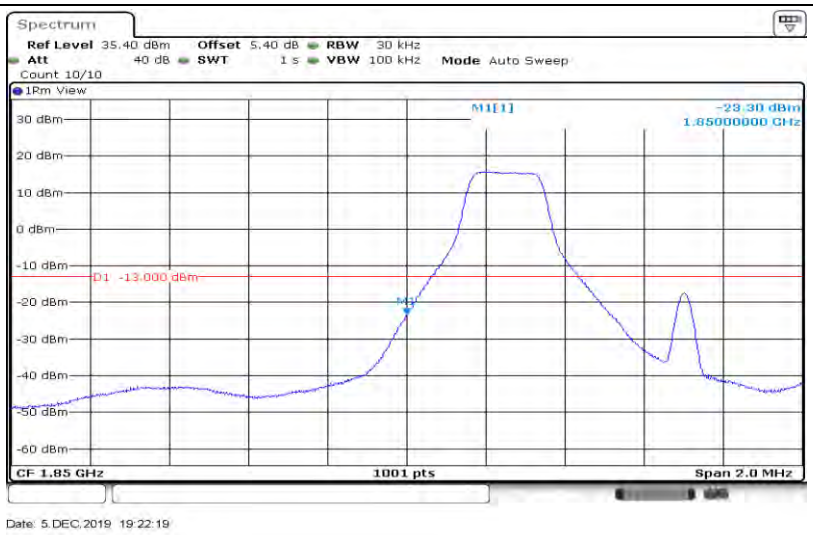

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Band25-1.4MHz-16QAM-26683-1RB#5

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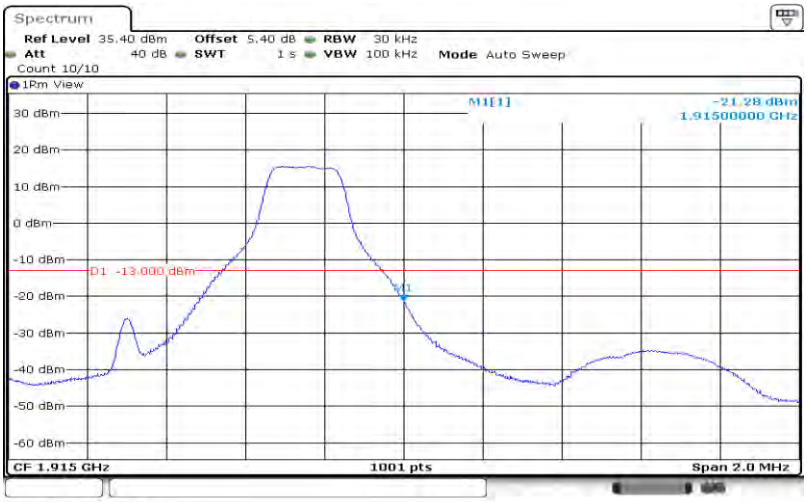

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Band25-3MHz-QPSK-26055-1RB#0

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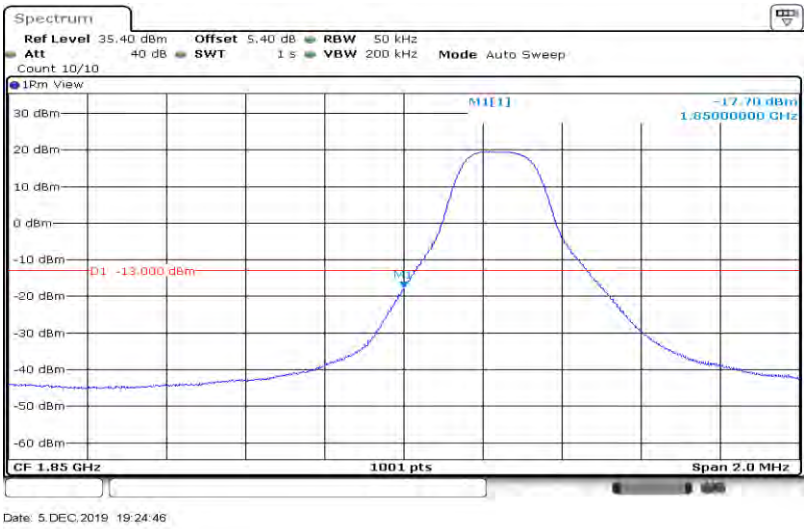

Band25-3MHz-QPSK-26055-15RB#0

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

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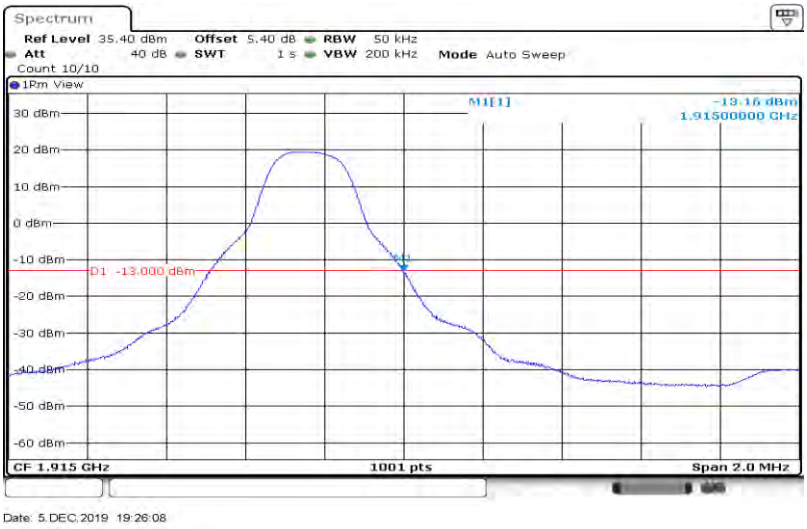

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Band25-3MHz-16QAM-26055-1RB#0

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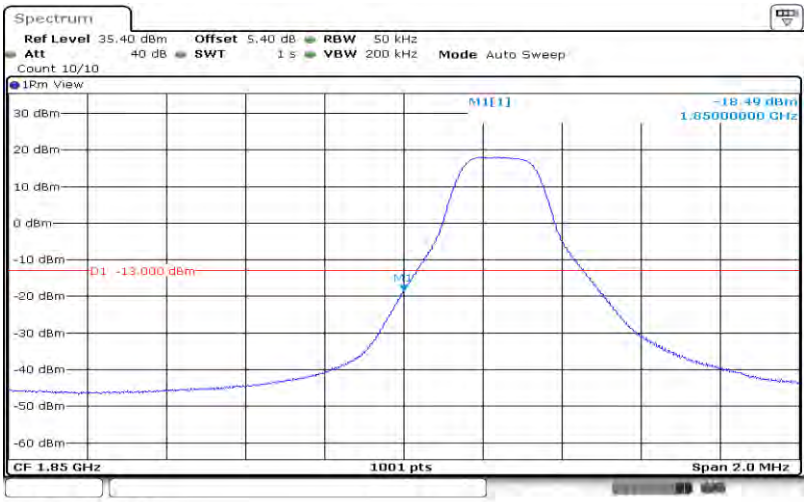

Date: 5.DEC.2019 19:25:05

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

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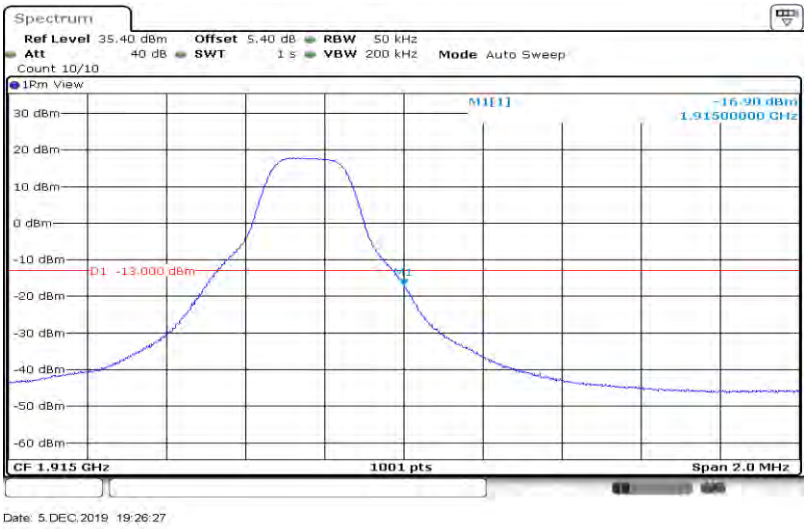

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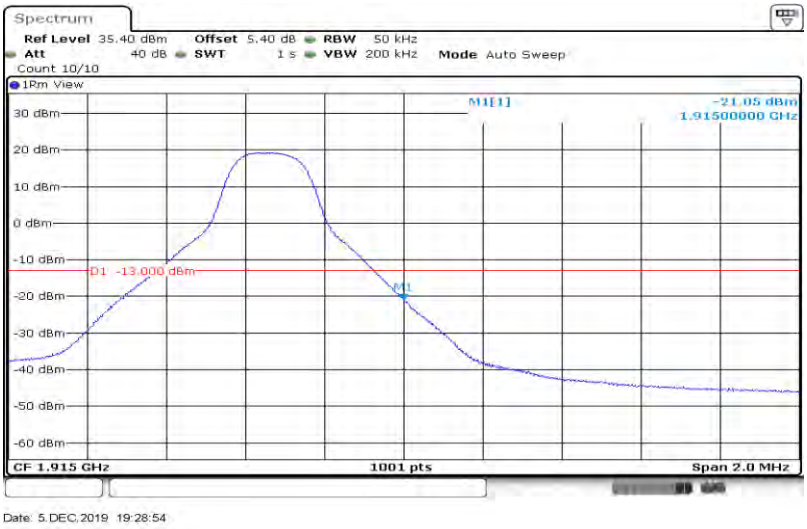

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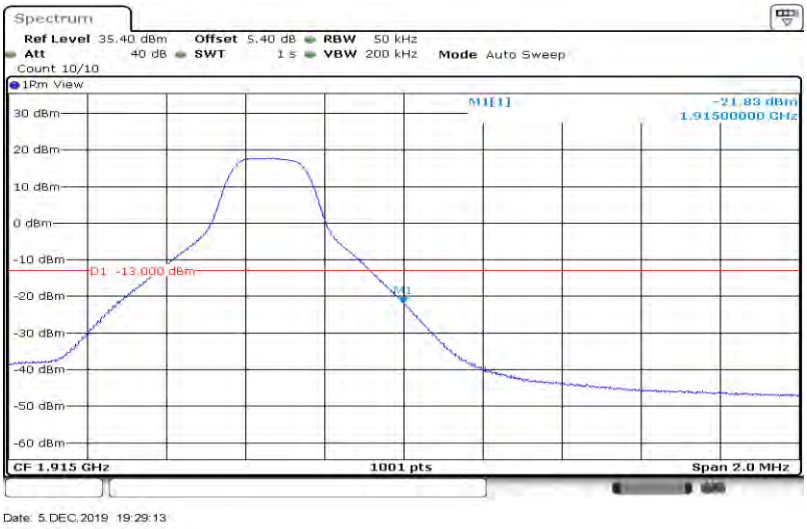

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Band25-10MHz-QPSK-26090-50RB#0

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

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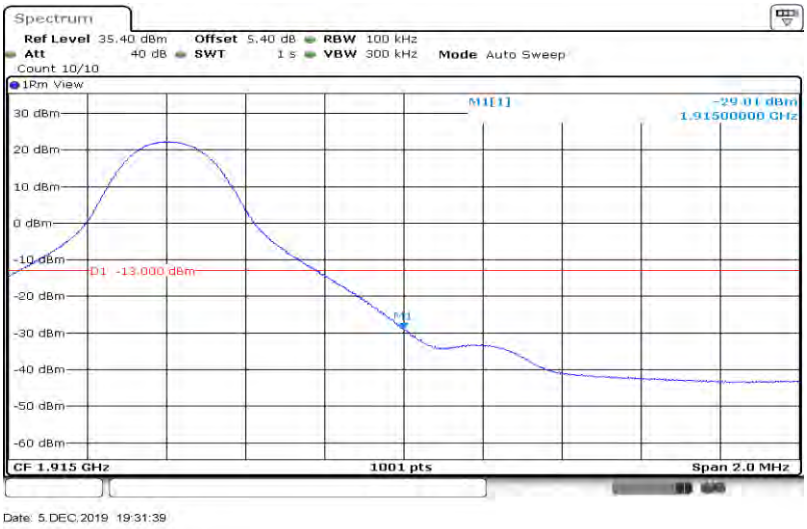

Band25-10MHz-QPSK-26640-50RB#0

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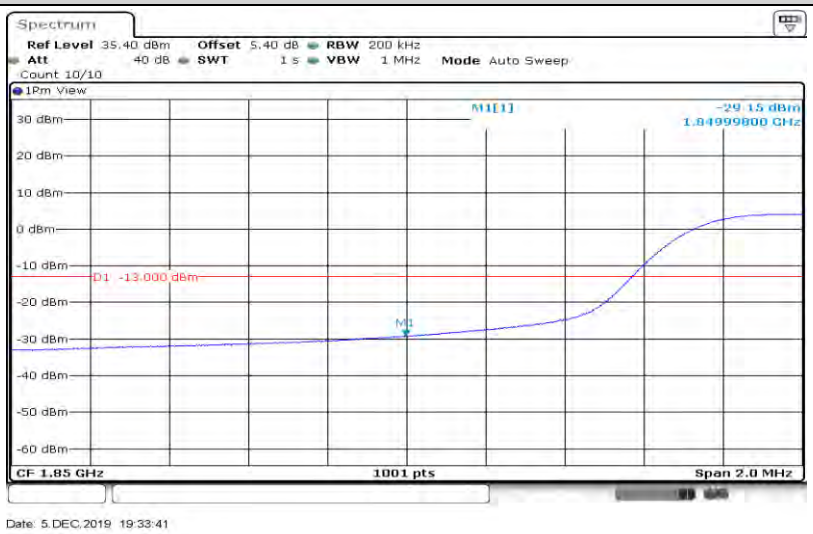
Band25-15MHz-QPSK-26115-75RB#0



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

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

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

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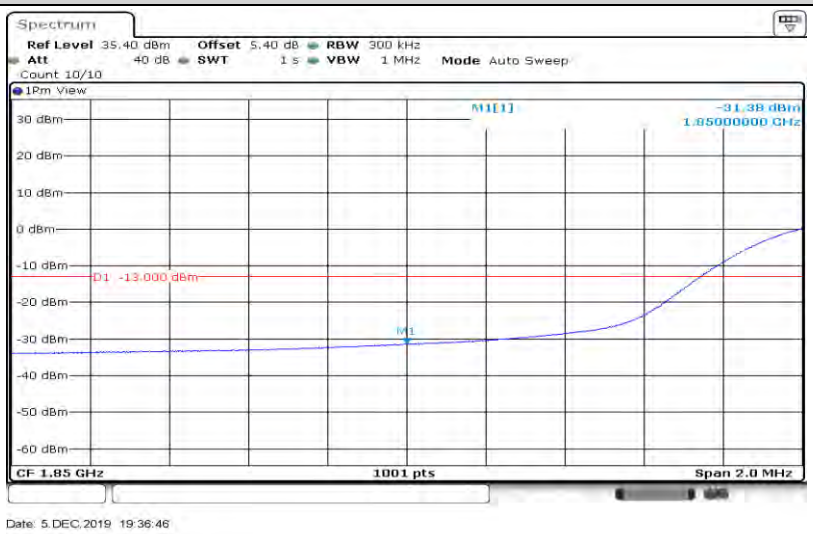
Band25-20MHz-16QAM-26140-100RB#0



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

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Date: 5.DEC.2019 19:37:29

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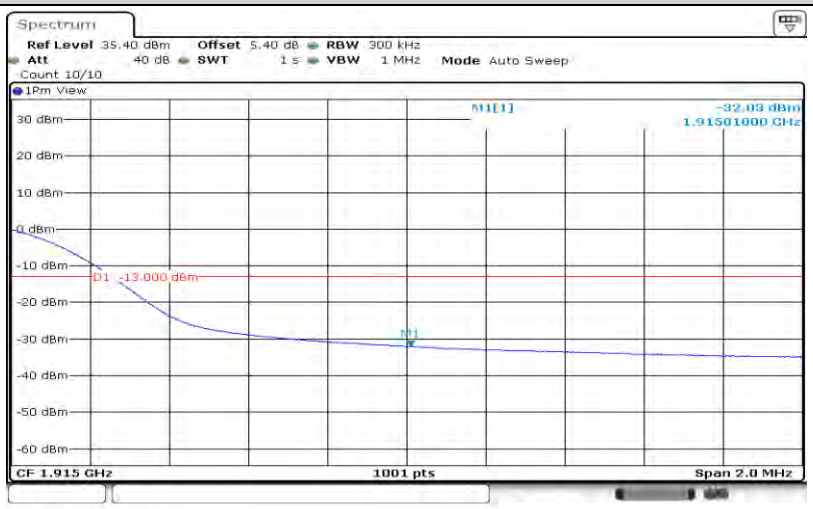

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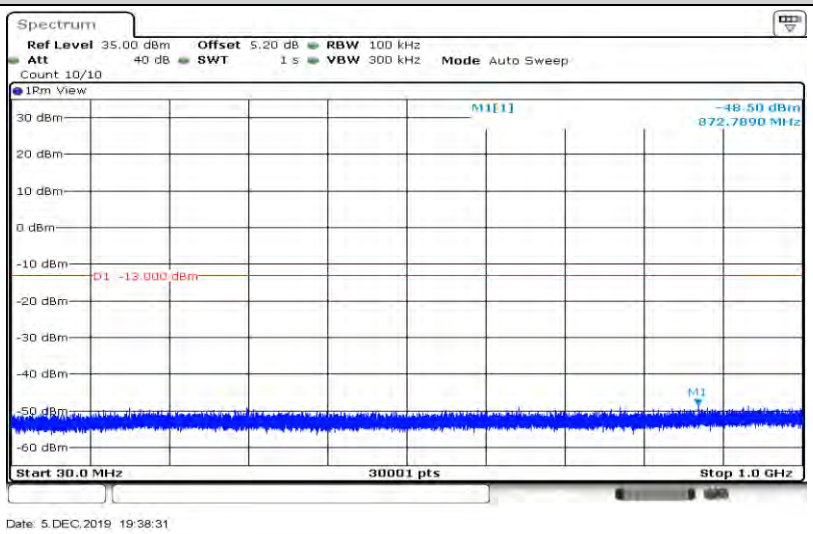
6. Spurious Emission at Antenna Terminal

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 * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

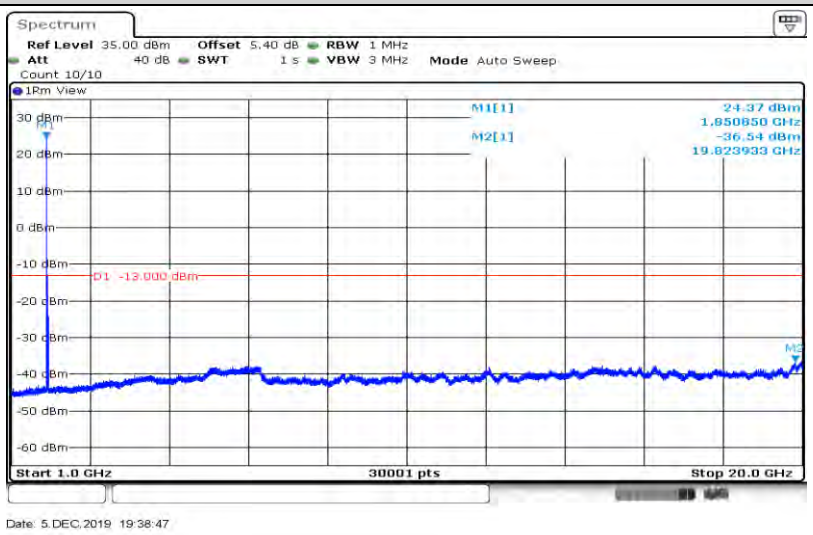
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

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



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



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

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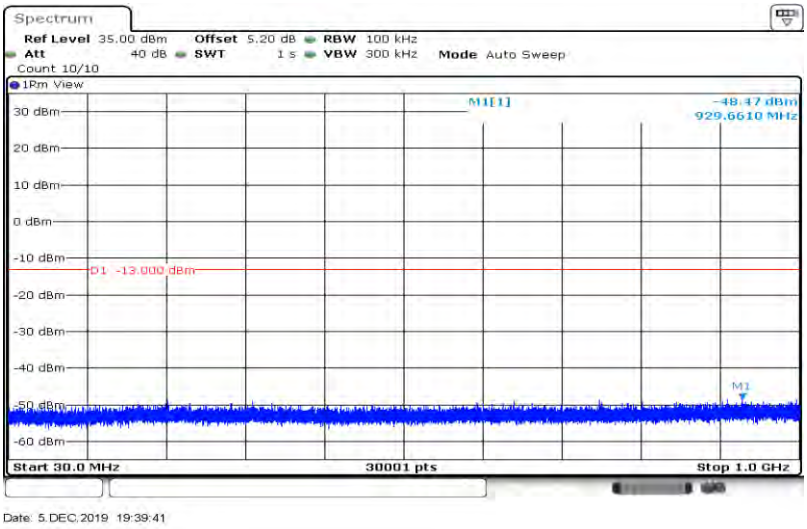
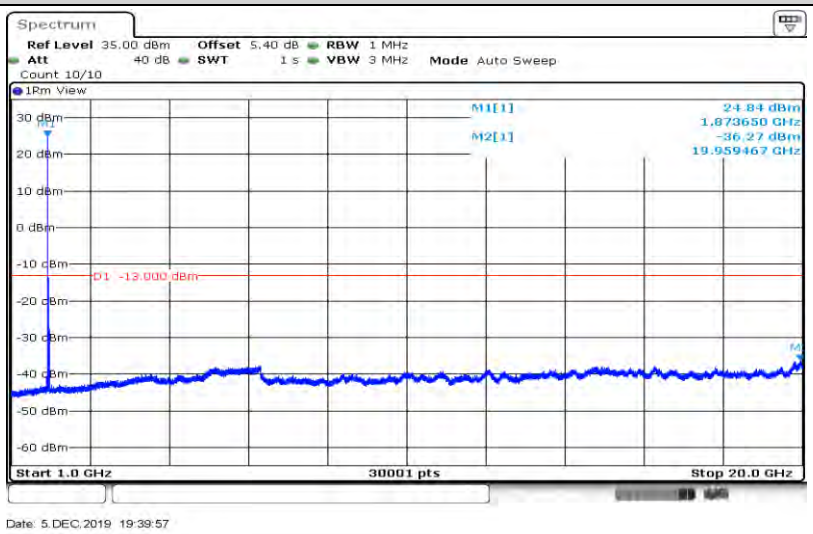


Band25-20MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



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

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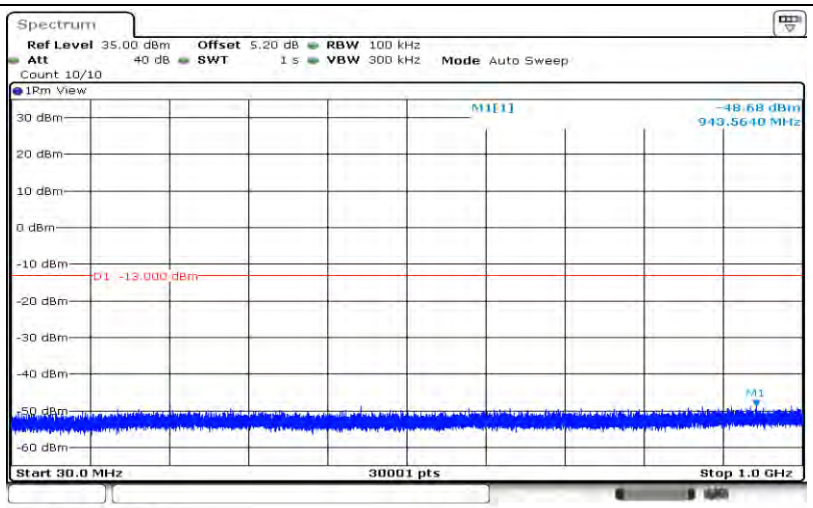
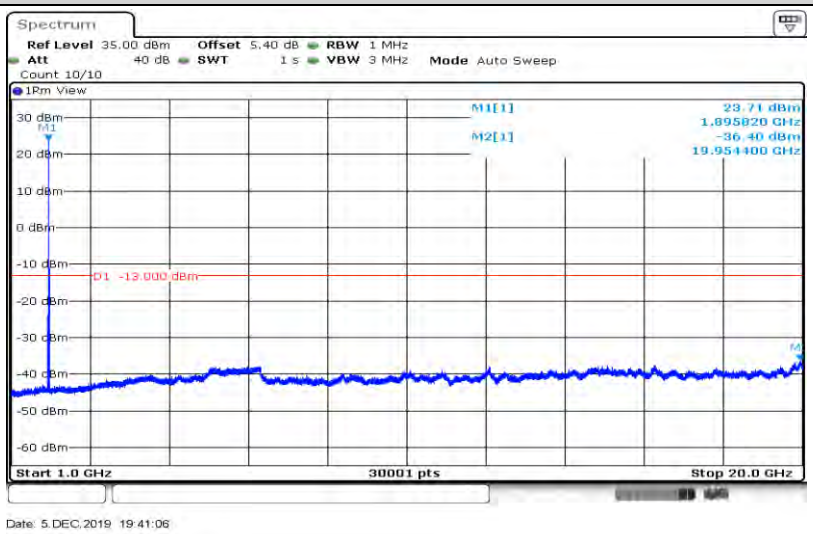


Band25-20MHz-QPSK-26590-1RB#0-Range2:1000~20000MHz



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

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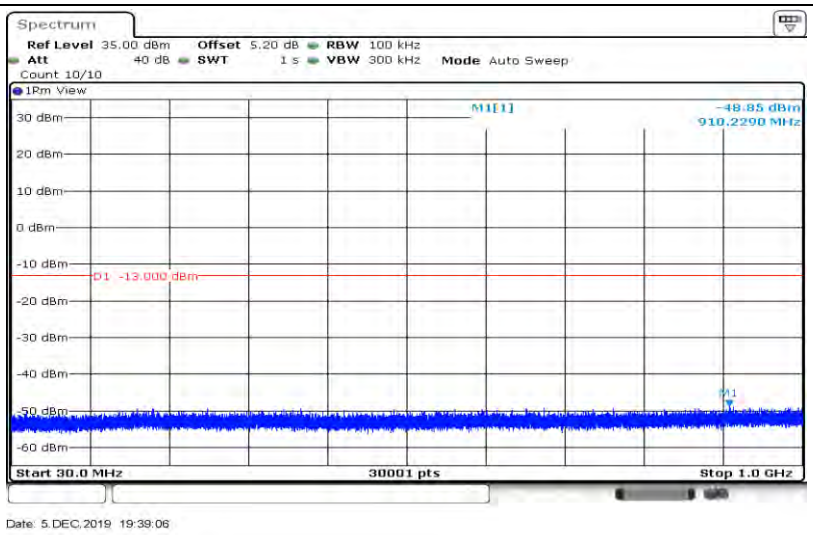
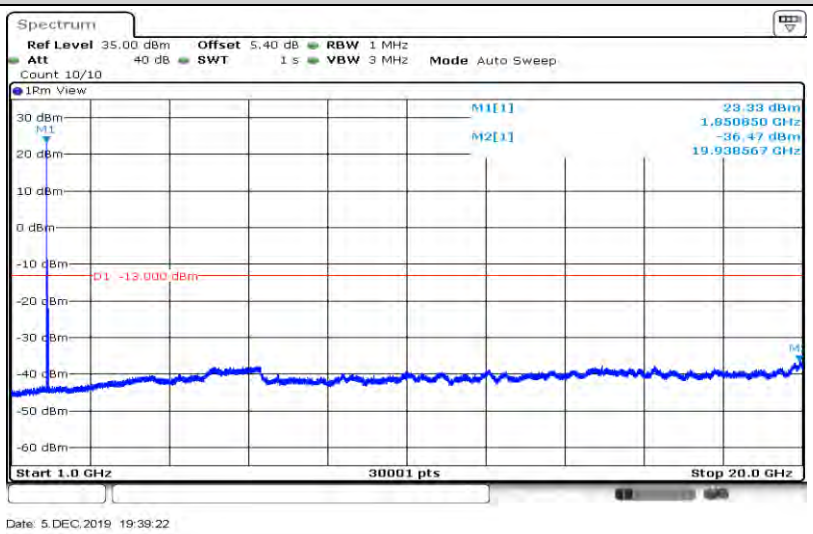


Band25-20MHz-16QAM-26140-1RB#0-Range2:1000~20000MHz



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

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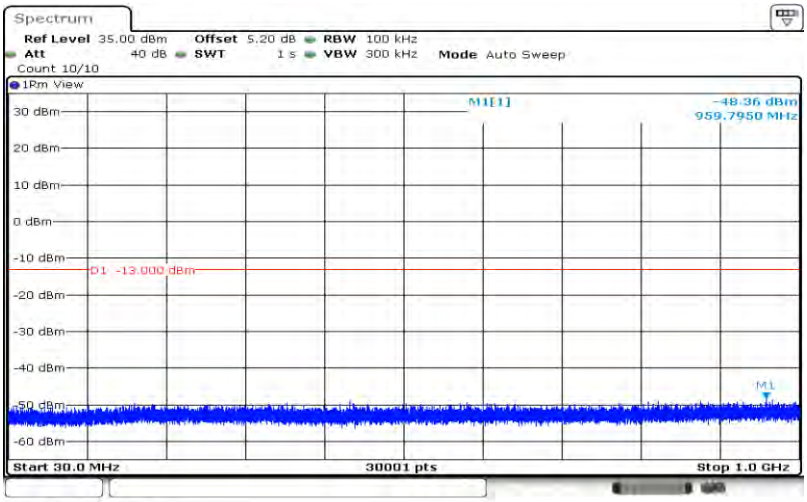
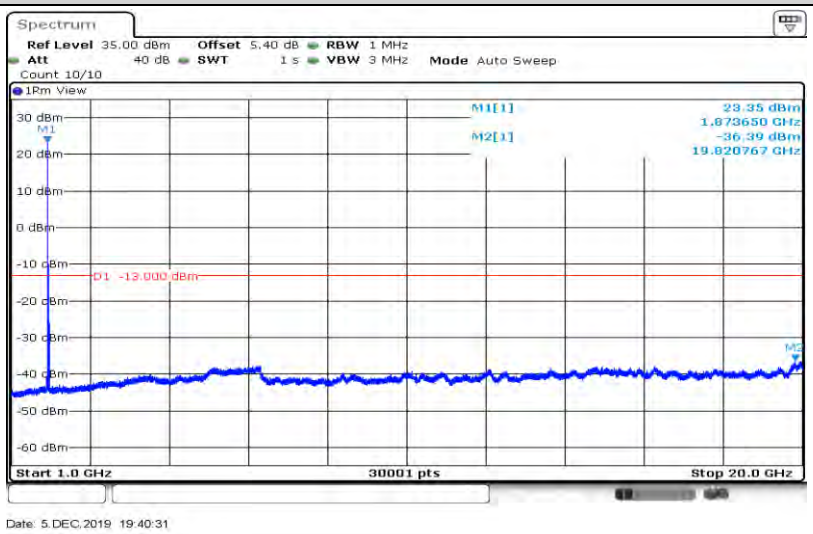


Band25-20MHz-16QAM-26365-1RB#0-Range2:1000~20000MHz



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

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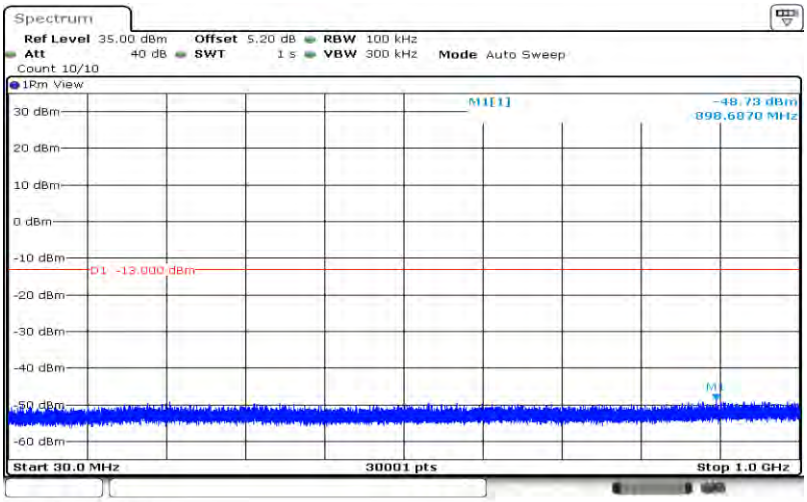
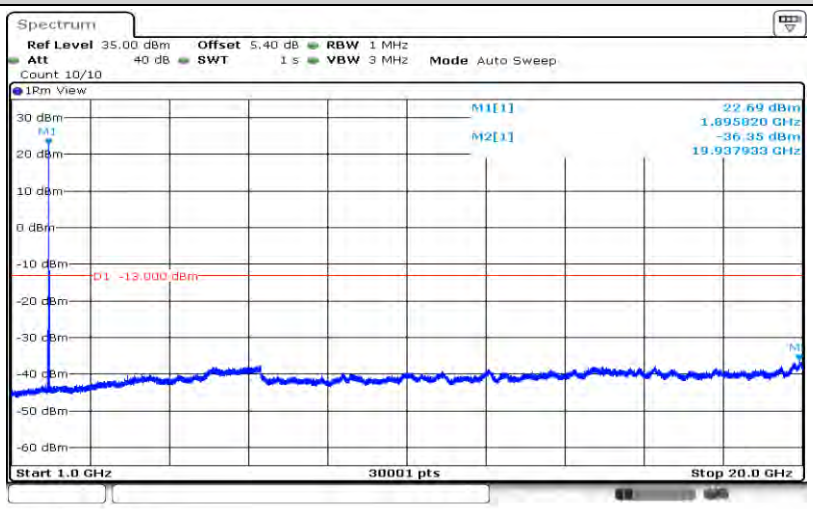


Date: 5.DEC.2019 19:41:25

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)	Height [cm]	Angle [°]	Polarization
108.2344	-65.69	-13.00	52.69	271	90	Vertical
2688.3377	-37.70	-13.00	24.70	254	354	Vertical
3747.0249	-47.26	-13.00	34.26	263	221	Vertical
5620.5874	-47.96	-13.00	34.96	284	90	Vertical
7494.6498	-46.30	-13.00	33.30	271	90	Vertical
17985.9995	-35.57	-13.00	22.57	259	153	Vertical
43.1927	-63.28	-13.00	50.28	174	43	Horizontal
2701.5403	-36.42	-13.00	23.42	165	210	Horizontal
3747.0249	-47.59	-13.00	34.59	185	195	Horizontal
5620.5874	-51.27	-13.00	38.27	174	158	Horizontal
7494.1498	-50.16	-13.00	37.16	196	324	Horizontal
16402.4467	-40.75	-13.00	27.75	185	158	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
112.3086	-64.99	-13.00	51.99	174	186	Vertical
2696.3393	-37.47	-13.00	24.47	158	36	Vertical
3702.0234	-42.33	-13.00	29.33	162	226	Vertical
5553.0851	-49.51	-13.00	36.51	271	86	Vertical
7404.1468	-49.08	-13.00	36.08	258	120	Vertical
17992.4998	-34.81	-13.00	21.81	265	226	Vertical
42.4651	-64.92	-13.00	51.92	271	120	Horizontal
2701.5403	-36.31	-13.00	23.31	256	294	Horizontal
3702.0234	-41.24	-13.00	28.24	241	227	Horizontal
5553.5851	-52.70	-13.00	39.70	258	259	Horizontal
7404.1468	-52.10	-13.00	39.10	269	322	Horizontal
16396.9466	-38.58	-13.00	25.58	224	20	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
113.4242	-64.97	-13.00	51.97	174	140	Vertical
2695.5391	-37.45	-13.00	24.45	185	154	Vertical
3792.0264	-44.62	-13.00	31.62	196	91	Vertical
5688.0896	-45.12	-13.00	32.12	178	91	Vertical
7584.1528	-47.78	-13.00	34.78	174	91	Vertical
17891.9964	-36.40	-13.00	23.40	169	57	Vertical
43.3382	-64.84	-13.00	51.84	174	19	Horizontal
2701.9404	-36.25	-13.00	23.25	185	134	Horizontal
3792.0264	-43.14	-13.00	30.14	177	180	Horizontal
5688.0896	-48.22	-13.00	35.22	195	82	Horizontal
7584.1528	-50.13	-13.00	37.13	184	347	Horizontal
16399.9467	-38.83	-13.00	25.83	178	180	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	0.70	0.000376	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	-0.60	-0.000323	±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	0.50	0.000266	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	0.70	0.000372	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	-0.10	-0.000052	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VH	NT	-0.60	-0.000315	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VL	NT	0.70	0.000376	±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	1.00	0.000538	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VL	NT	-0.80	-0.000425	±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	2.10	0.001116	±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	1.30	0.000682	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	1.20	0.000630	±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	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	1.70	0.000914	±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	-1.00	-0.000538	±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	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	-0.40	-0.000215	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	50	1.00	0.000538	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	0.60	0.000319	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-1.10	-0.000584	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	3.00	0.001594	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	0.20	0.000106	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-0.20	-0.000106	±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	2.10	0.001116	±2.5	PASS

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Band25	20MHz	QPSK	26590	100RB#0	NV	-30	1.70	0.000892	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	0.80	0.000420	±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	0.70	0.000367	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	1.30	0.000682	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	1.90	0.000997	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	2.30	0.001207	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	2.60	0.001365	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-30	1.60	0.000860	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-20	1.50	0.000806	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	-0.30	-0.000161	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	0.70	0.000376	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	1.70	0.000914	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	0.10	0.000054	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	40	1.50	0.000806	±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	0.20	0.000106	±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	1.50	0.000797	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	10	0.30	0.000159	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	0.90	0.000478	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	-0.70	-0.000372	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	-0.60	-0.000319	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	-0.20	-0.000106	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-30	-1.80	-0.000945	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-20	-0.10	-0.000052	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	-1.20	-0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	-0.50	-0.000262	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	20	0.10	0.000052	±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	0.20	0.000105	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	1.00	0.000525	±2.5	PASS

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