



# Appendix B

## E-UTRA Band 25



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

### ANT2:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	24.53	27.6	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	24.67	27.74	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	24.30	27.37	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	24.76	27.83	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	24.62	27.69	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	24.71	27.78	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	23.51	26.58	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	24.30	27.37	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	24.28	27.35	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	24.56	27.63	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	24.51	27.58	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	24.58	27.65	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	24.53	27.6	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	23.47	26.54	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	24.35	27.42	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	24.36	27.43	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	24.36	27.43	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	24.28	27.35	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	24.36	27.43	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	24.63	27.7	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	23.30	26.37	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	23.30	26.37	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	23.19	26.26	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	23.30	26.37	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	23.70	26.77	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	23.31	26.38	33.00	PASS



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Band25	1.4MHz	16QAM	26047	3RB#3	23.63	26.7	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	22.51	25.58	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	23.00	26.07	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	23.06	26.13	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	23.27	26.34	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	23.62	26.69	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#1	23.25	26.32	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	23.47	26.54	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	22.46	25.53	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.96	26.03	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.72	25.79	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.99	26.06	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	23.41	26.48	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#1	23.90	26.97	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	23.47	26.54	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	22.44	25.51	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	24.49	27.56	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	24.55	27.62	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	24.41	27.48	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	23.48	26.55	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#4	23.44	26.51	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	23.38	26.45	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	23.41	26.48	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	24.45	27.52	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	24.32	27.39	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	24.40	27.47	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	23.45	26.52	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	23.36	26.43	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#4	23.37	26.44	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	23.44	26.51	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	24.50	27.57	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	24.34	27.41	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	24.56	27.63	33.00	PASS



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Band25	3MHz	QPSK	26675	8RB#4	23.45	26.52	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	23.49	26.56	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	23.38	26.45	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	23.42	26.49	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.84	25.91	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	23.00	26.07	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.95	26.02	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	22.38	25.45	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	22.36	25.43	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#4	22.51	25.58	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	22.55	25.62	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.78	25.85	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	23.09	26.16	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	23.05	26.12	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#4	22.21	25.28	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	22.24	25.31	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	22.29	25.36	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	22.66	25.73	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.93	26	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.97	26.04	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	23.15	26.22	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	22.45	25.52	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	22.35	25.42	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#4	22.44	25.51	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	22.59	25.66	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	24.52	27.59	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	24.40	27.47	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	24.43	27.5	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	23.41	26.48	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	23.42	26.49	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	23.57	26.64	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	23.42	26.49	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	24.38	27.45	33.00	PASS



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Band25	5MHz	QPSK	26365	1RB#0	24.46	27.53	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	24.27	27.34	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	23.43	26.5	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	23.38	26.45	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	23.49	26.56	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	23.37	26.44	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	24.54	27.61	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	24.34	27.41	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	24.50	27.57	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	23.41	26.48	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	23.55	26.62	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	23.50	26.57	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	23.42	26.49	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	23.02	26.09	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	23.38	26.45	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	23.19	26.26	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	22.56	25.63	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#0	22.56	25.63	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	22.40	25.47	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	22.58	25.65	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.90	25.97	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	23.41	26.48	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.94	26.01	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	22.34	25.41	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	22.43	25.5	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	22.37	25.44	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	22.46	25.53	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	23.12	26.19	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.94	26.01	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	23.25	26.32	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	22.57	25.64	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	22.49	25.56	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	22.54	25.61	33.00	PASS



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Band25	5MHz	16QAM	26665	25RB#0	22.41	25.48	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	24.40	27.47	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	24.77	27.84	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	24.44	27.51	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#12	23.52	26.59	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	23.53	26.6	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	23.49	26.56	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	23.51	26.58	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	24.32	27.39	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	24.50	27.57	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	24.73	27.8	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	23.56	26.63	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#12	23.58	26.65	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	23.32	26.39	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	23.45	26.52	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	24.63	27.7	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	24.28	27.35	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	24.55	27.62	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	23.55	26.62	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	23.28	26.35	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#12	23.33	26.4	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	23.41	26.48	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	23.27	26.34	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	23.11	26.18	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	23.09	26.16	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	22.63	25.7	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#12	22.68	25.75	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	22.54	25.61	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	22.79	25.86	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	23.17	26.24	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	23.15	26.22	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.11	26.18	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	22.50	25.57	33.00	PASS



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Band25	10MHz	16QAM	26365	25RB#12	22.51	25.58	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#0	22.55	25.62	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	22.63	25.7	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	23.26	26.33	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	23.19	26.26	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	23.22	26.29	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	22.54	25.61	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#12	22.49	25.56	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	22.59	25.66	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	22.46	25.53	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	24.39	27.46	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	24.58	27.65	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	24.49	27.56	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	23.35	26.42	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	23.37	26.44	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	23.53	26.6	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	23.50	26.57	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	24.23	27.3	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	24.21	27.28	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	24.36	27.43	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	23.35	26.42	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	23.34	26.41	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#18	23.45	26.52	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	23.40	26.47	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	24.16	27.23	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	24.22	27.29	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	24.41	27.48	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	23.27	26.34	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	23.45	26.52	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	23.23	26.3	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	23.47	26.54	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	23.17	26.24	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.98	26.05	33.00	PASS



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Band25	15MHz	16QAM	26115	1RB#38	23.08	26.15	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#0	22.52	25.59	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	22.53	25.6	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	22.58	25.65	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	22.49	25.56	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.92	25.99	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.90	25.97	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	23.05	26.12	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	22.43	25.5	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	22.35	25.42	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	22.45	25.52	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	22.48	25.55	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	23.02	26.09	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	23.06	26.13	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.15	26.22	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	22.36	25.43	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	22.29	25.36	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	22.30	25.37	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	22.48	25.55	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	24.22	27.29	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	24.53	27.6	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	24.54	27.61	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	23.46	26.53	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	23.49	26.56	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	23.44	26.51	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	23.52	26.59	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	24.25	27.32	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	24.44	27.51	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	24.50	27.57	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	23.47	26.54	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	23.45	26.52	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#50	23.31	26.38	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	23.40	26.47	33.00	PASS



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Band25	20MHz	QPSK	26590	1RB#0	24.38	27.45	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	24.59	27.66	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	24.09	27.16	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	23.58	26.65	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	23.45	26.52	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	23.30	26.37	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	23.47	26.54	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	23.06	26.13	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	23.09	26.16	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	23.04	26.11	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	22.63	25.7	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	22.58	25.65	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	22.64	25.71	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	22.60	25.67	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.88	25.95	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.94	26.01	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.78	25.85	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	22.36	25.43	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	22.50	25.57	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	22.43	25.5	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	22.39	25.46	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.99	26.06	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	23.08	26.15	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	23.10	26.17	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	22.60	25.67	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	22.46	25.53	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	22.40	25.47	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	22.55	25.62	33.00	PASS

Remark:

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

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

$$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$$

The conducted Power is measured by Base Station Simulator



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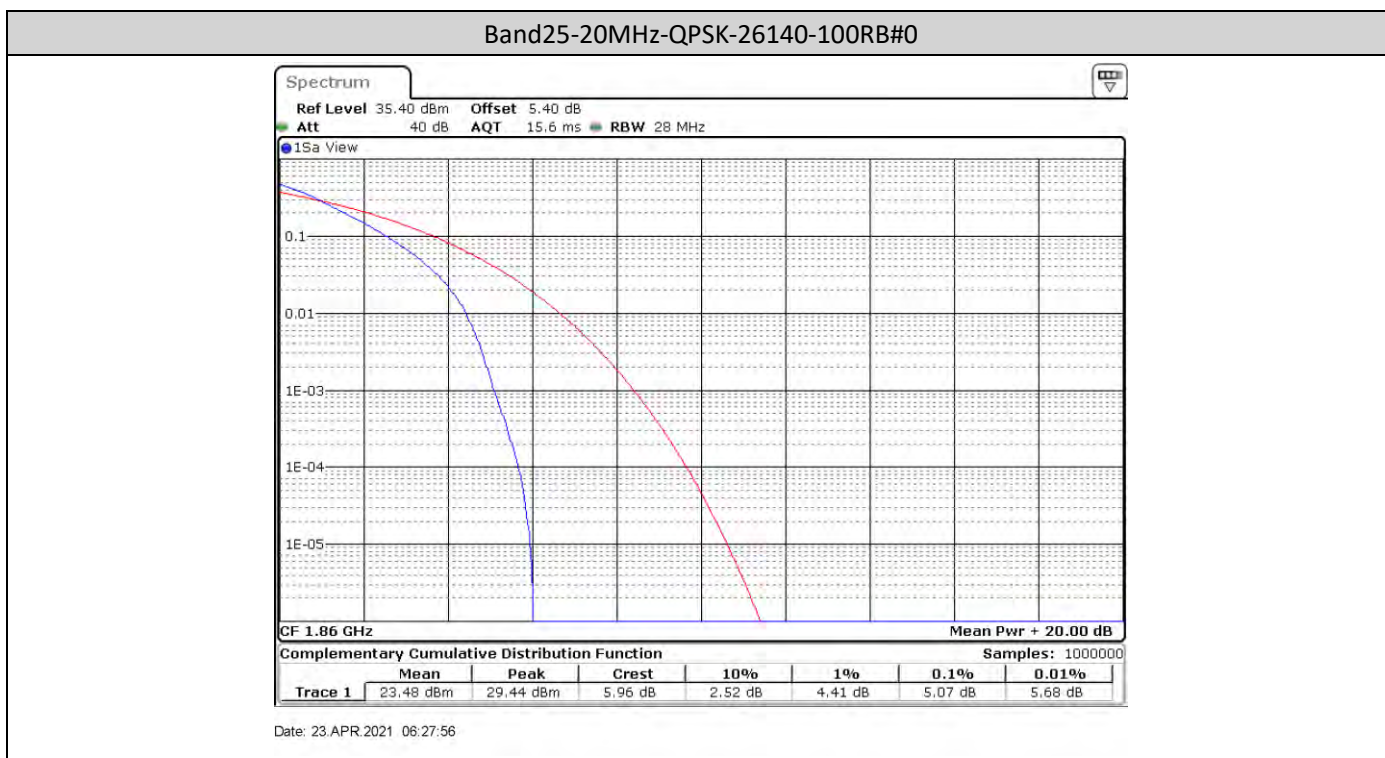


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.07	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.13	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.01	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.06	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.06	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.00	13	PASS

### 2.2. Test Plots



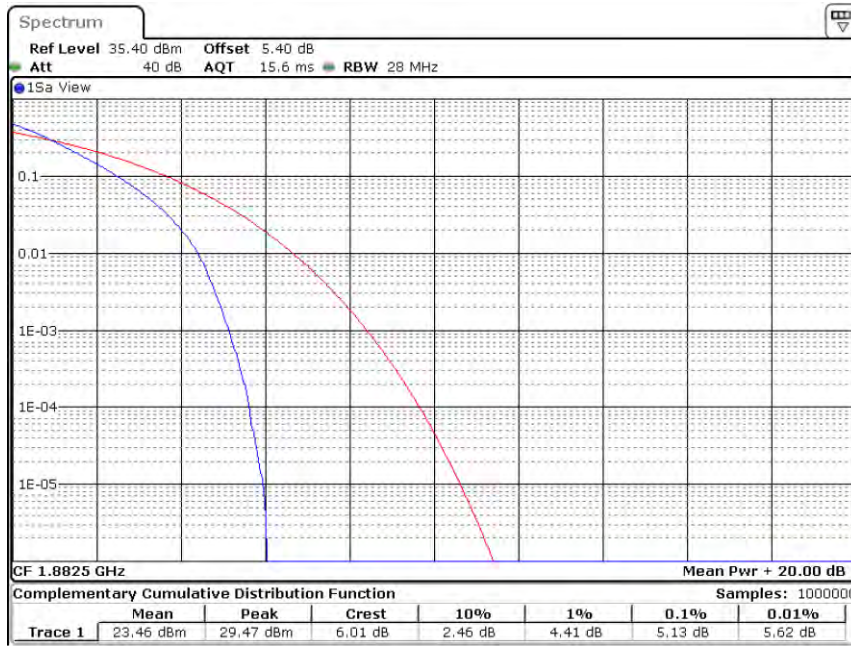
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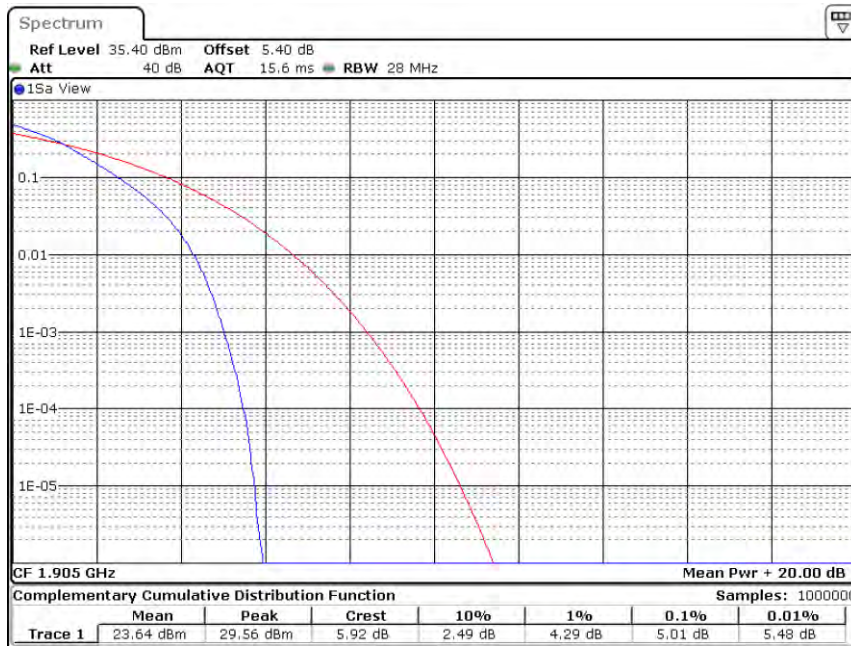
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**Band25-20MHz-QPSK-26365-100RB#0**



Date: 23.APR.2021 06:28:19

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



Date: 23.APR.2021 06:28:42



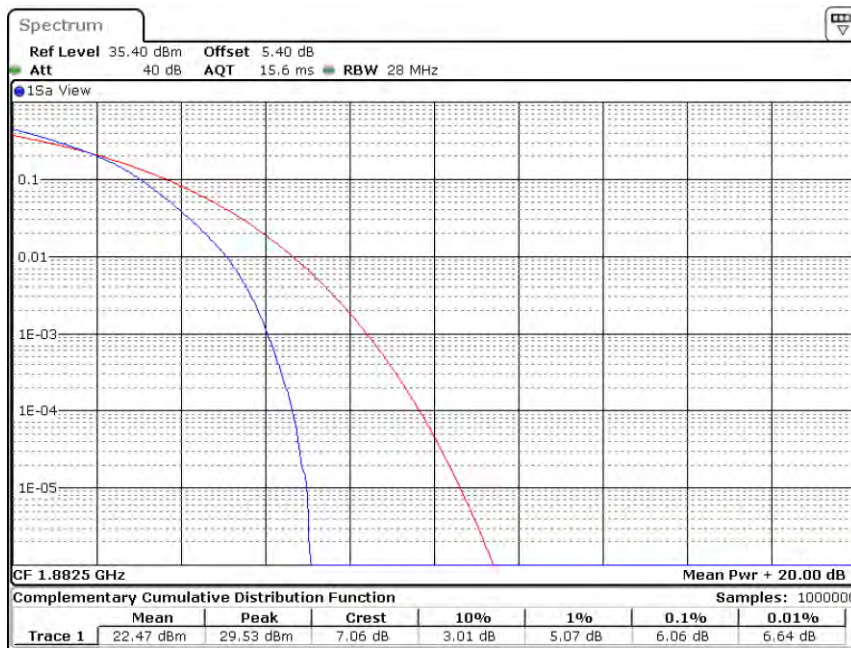
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**Band25-20MHz-16QAM-26140-100RB#0**



Date: 23.APR.2021 06:28:07

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



Date: 23.APR.2021 06:28:30



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



Date: 23.APR.2021 06:28:53

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.

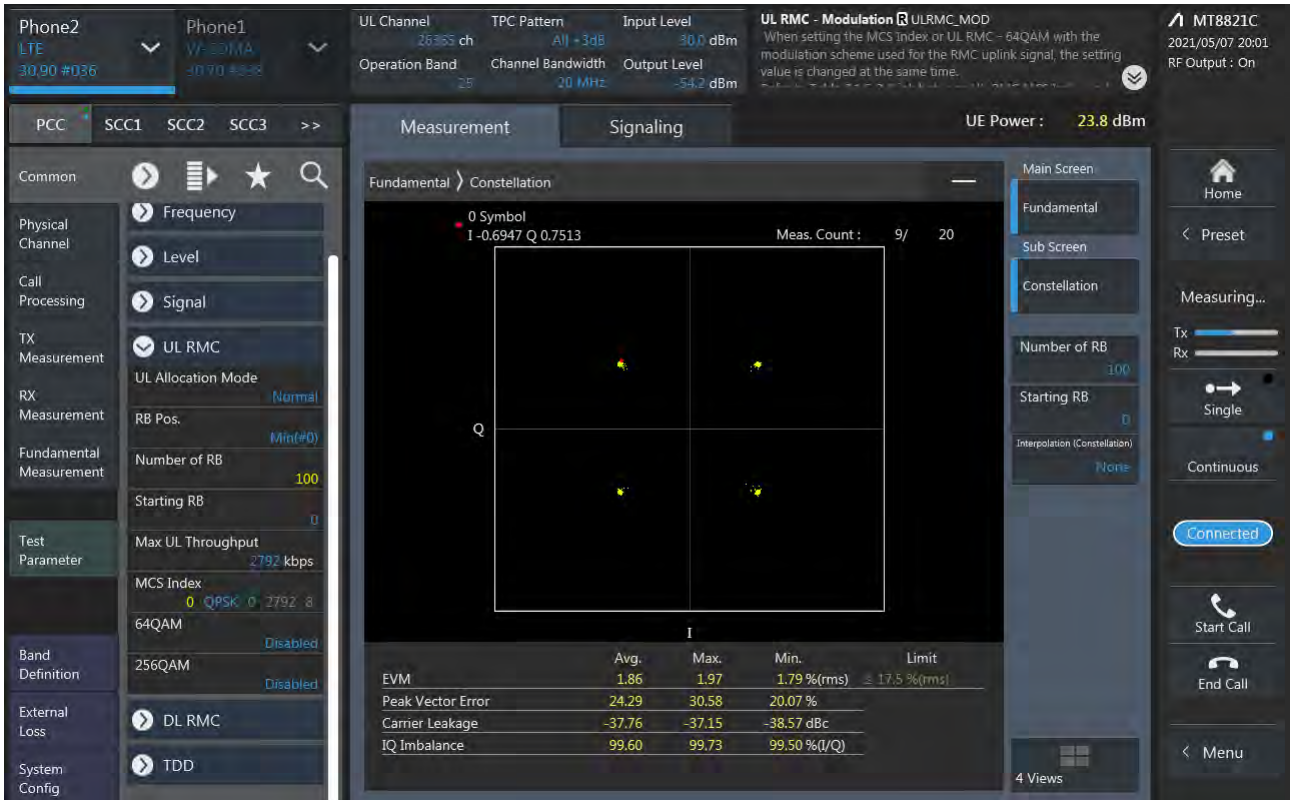


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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1. Test Channel = MCH



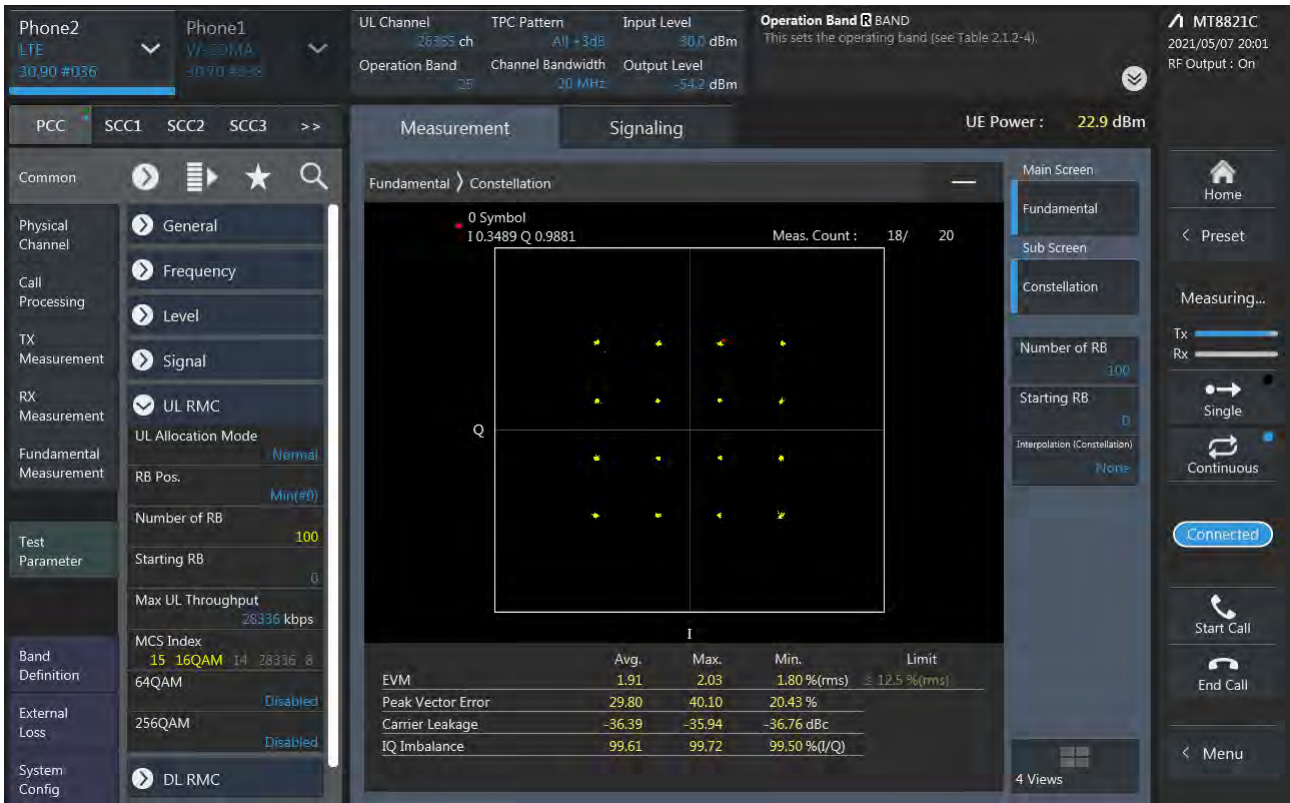
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### 3.2. Test Mode = LTE /TM2 20MHz

#### 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	1.091	1.287	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.091	1.284	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.094	1.287	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.088	1.275	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.091	1.287	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.091	1.281	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	2.988	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.691	2.988	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	2.994	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.691	2.976	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.466	4.930	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.466	4.920	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.476	4.930	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.476	4.950	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.486	4.930	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	4.940	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.931	9.700	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.931	9.680	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.891	9.680	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.911	9.780	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.911	9.680	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.891	9.720	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.427	14.790	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.397	14.730	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.397	14.730	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.427	14.670	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.397	14.640	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.397	14.640	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.822	19.320	PASS



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Band25	20MHz	QPSK	26365	100RB#0	17.862	19.400	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.822	19.320	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.862	19.360	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.822	19.440	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.782	19.320	PASS



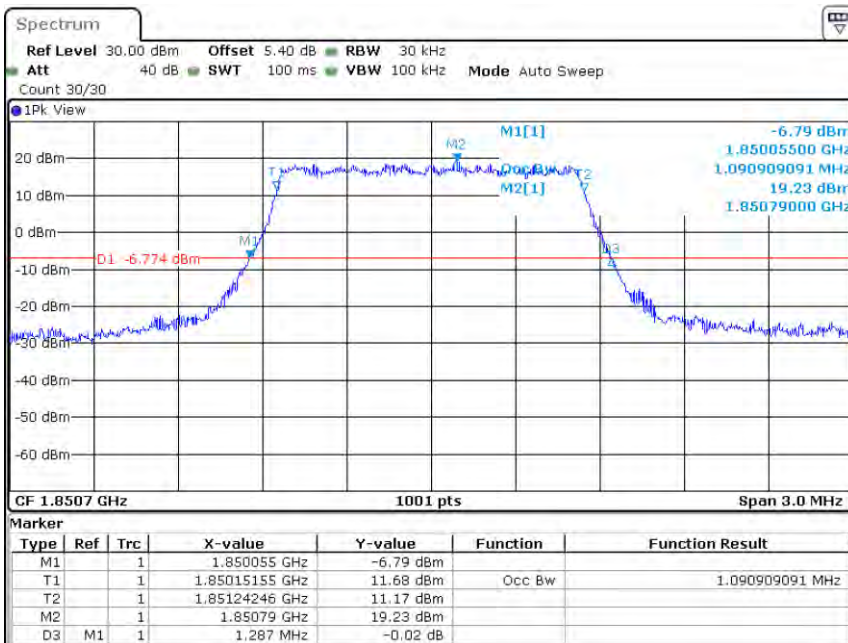
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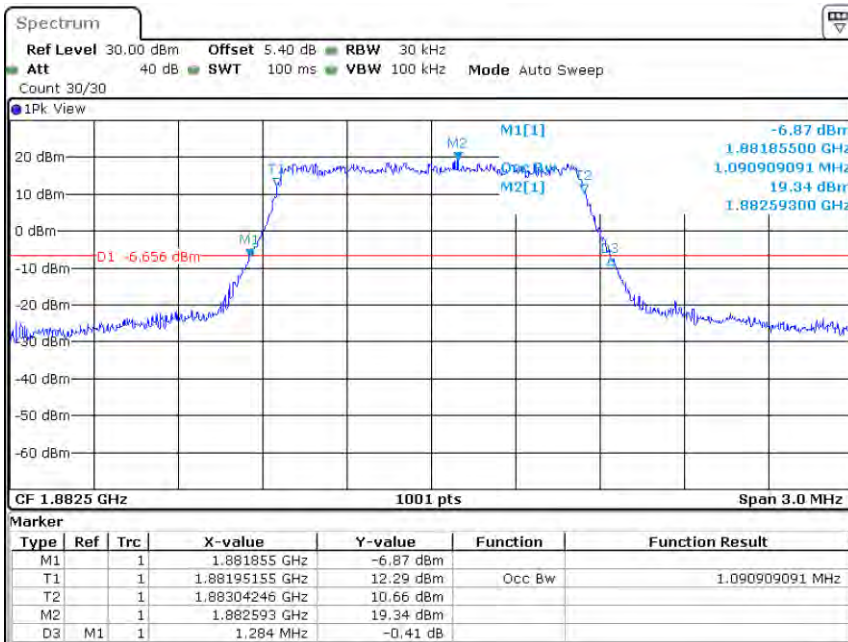
## 4.2. Test Plots

Band25-1.4MHz-QPSK-26047-6RB#0-1.091



Date: 23.APR.2021 05:58:23

Band25-1.4MHz-QPSK-26365-6RB#0-1.091



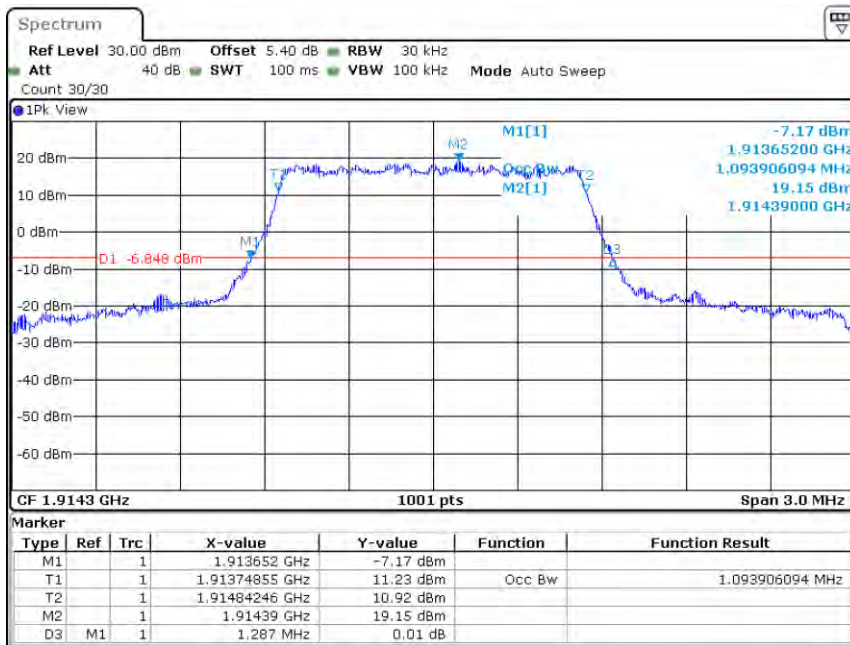
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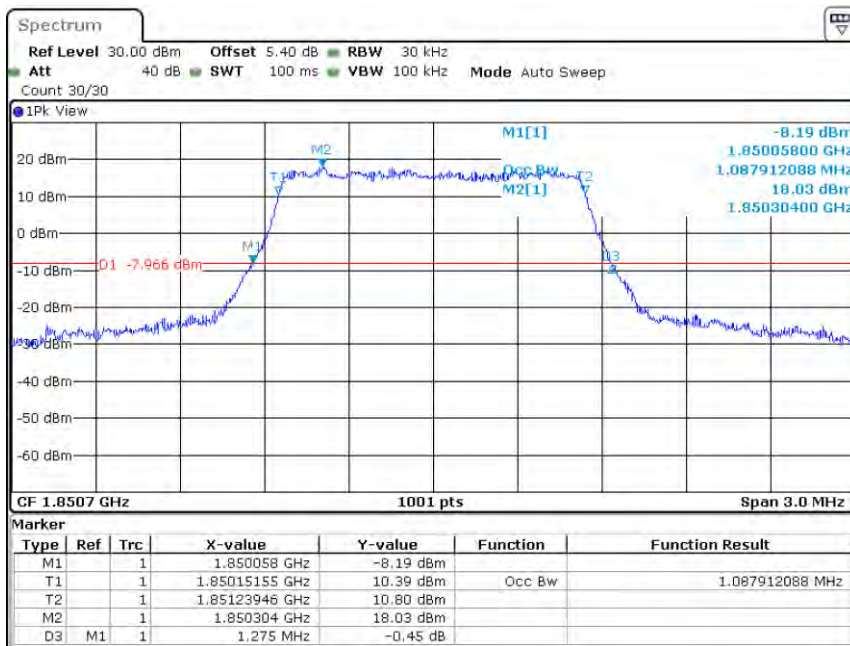


Band25-1.4MHz-QPSK-26683-6RB#0-1.094



Date: 23.APR 2021 05:59:14

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

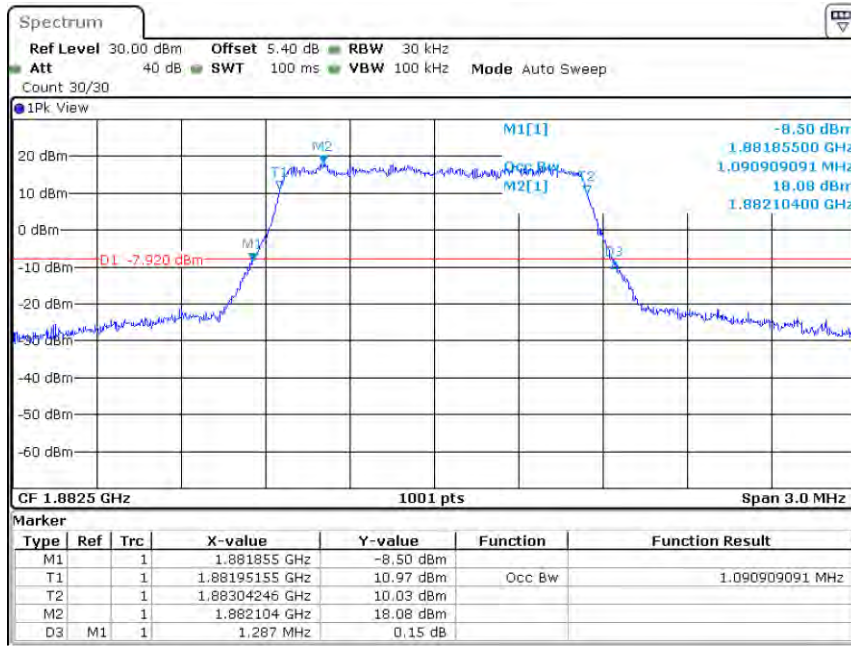


Date: 23.APR 2021 05:58:35



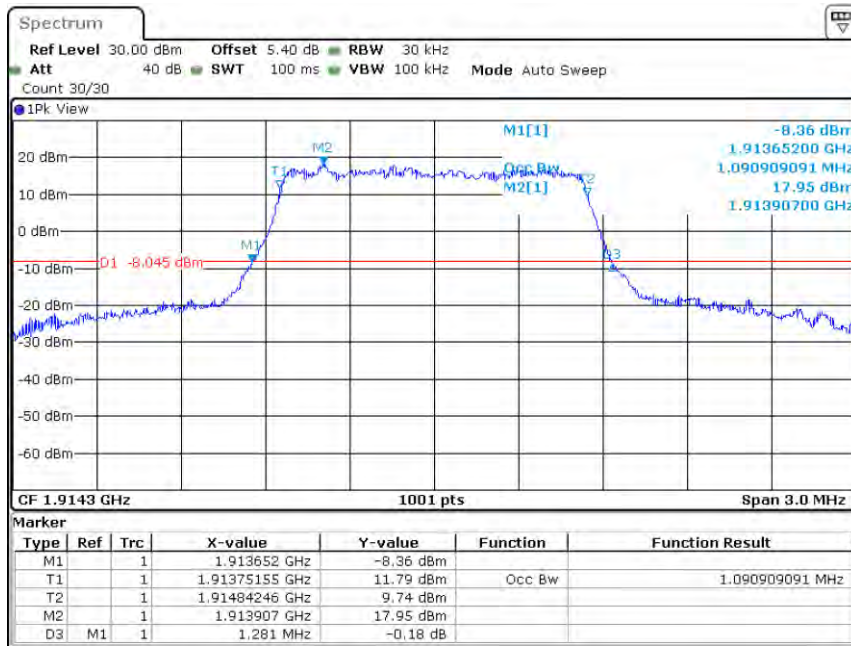
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**Band25-1.4MHz-16QAM-26365-6RB#0-1.091**



Date: 23.APR 2021 05:59:01

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



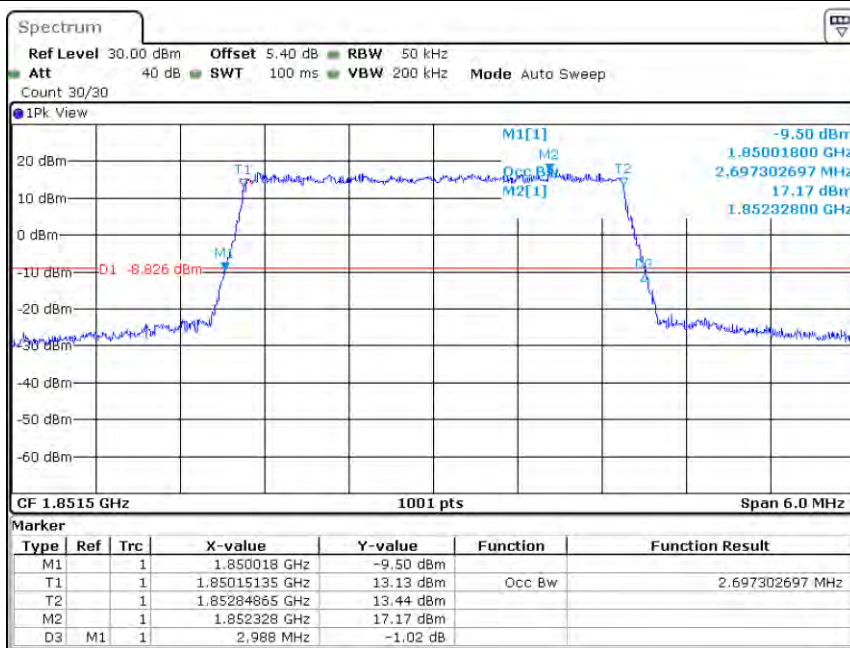
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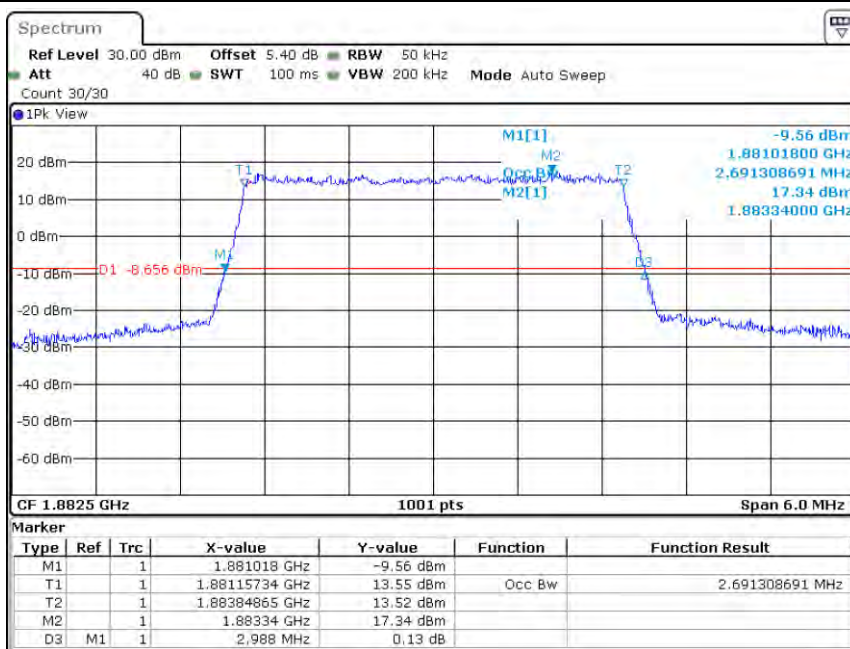


Band25-3MHz-QPSK-26055-15RB#0-2.697



Date: 23.APR 2021 05:59:45

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

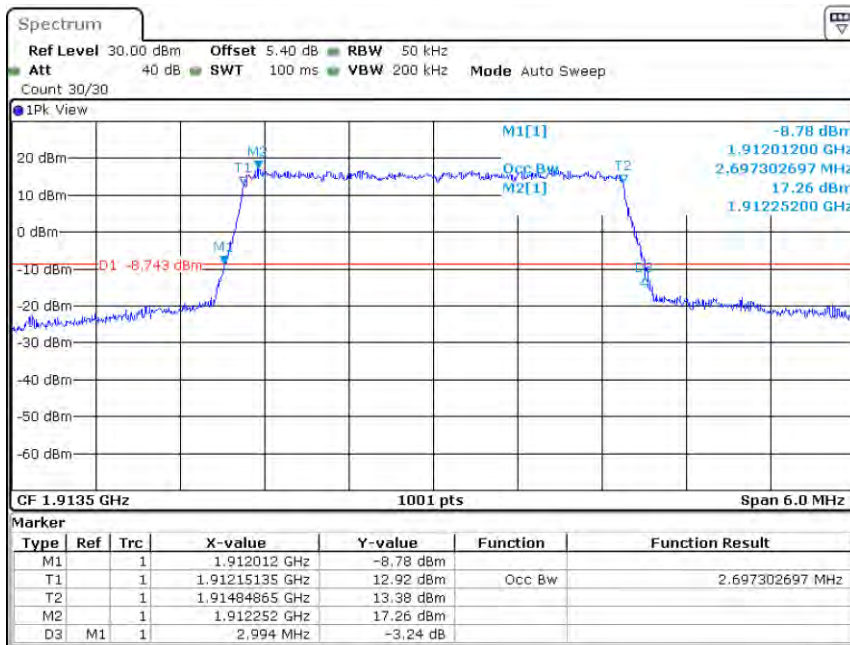


Date: 23.APR 2021 06:00:11



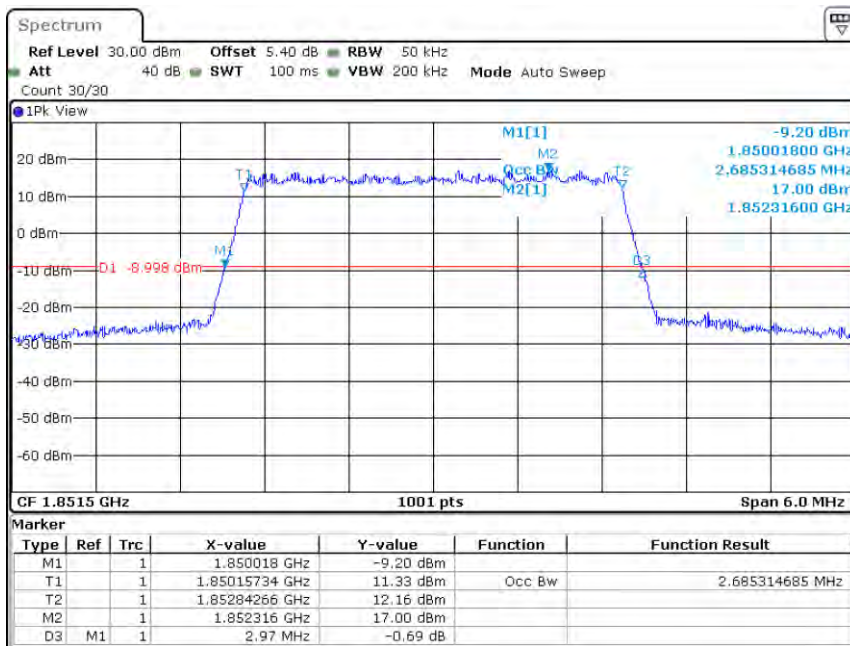
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**Band25-3MHz-QPSK-26675-15RB#0-2.697**



Date: 23.APR 2021 06:00:37

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



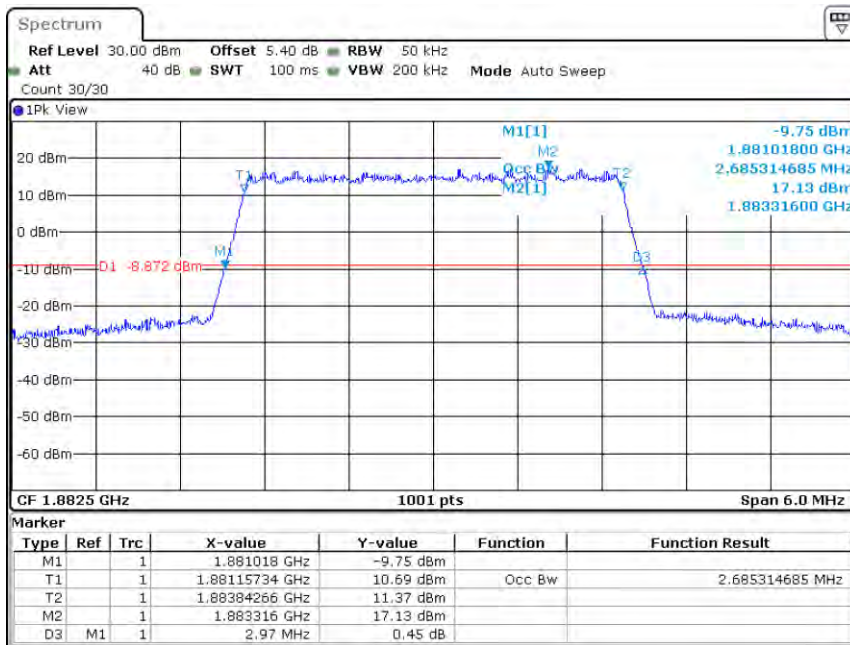
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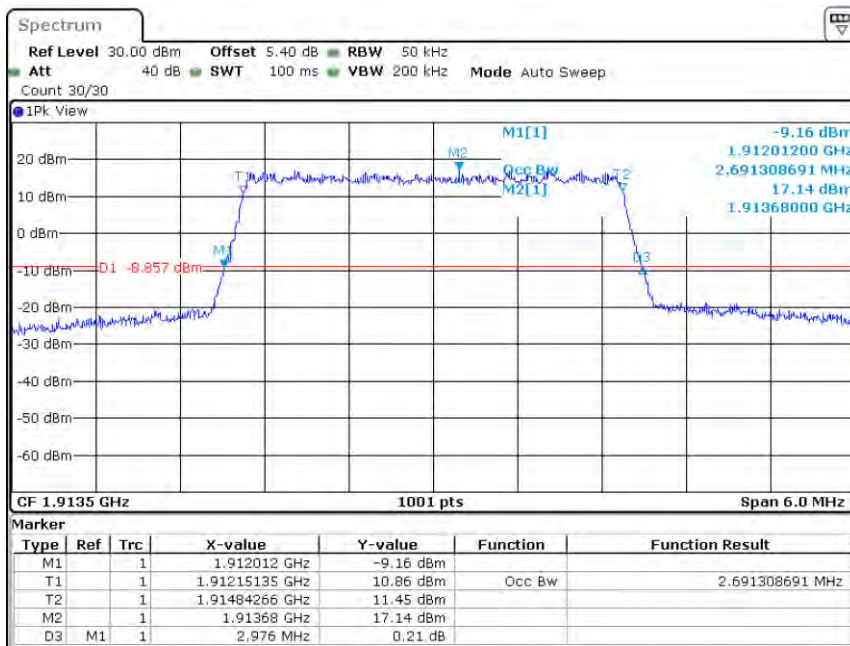


**Band25-3MHz-16QAM-26365-15RB#0-2.685**



Date: 23.APR 2021 06:00:24

**Band25-3MHz-16QAM-26675-15RB#0-2.691**

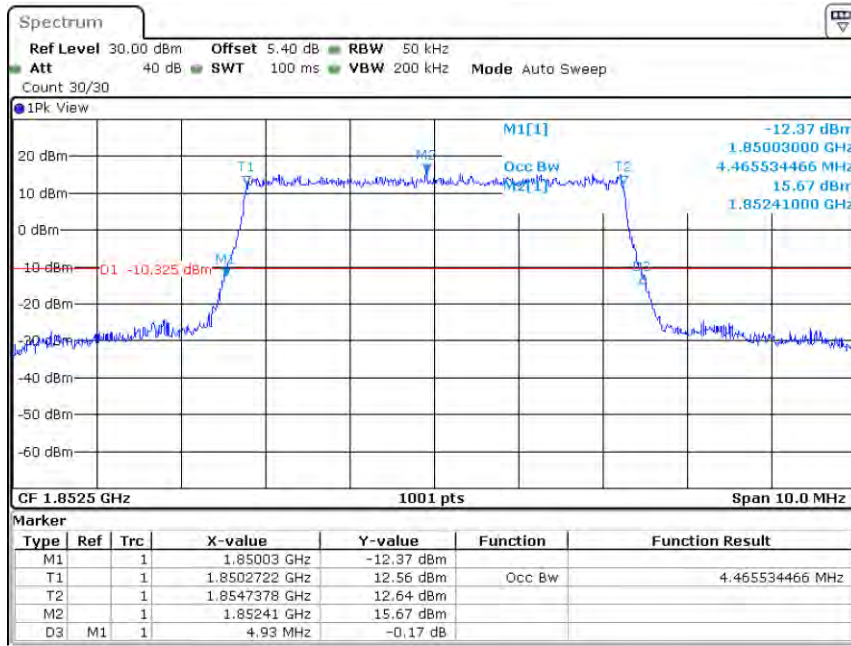


Date: 23.APR 2021 06:00:50



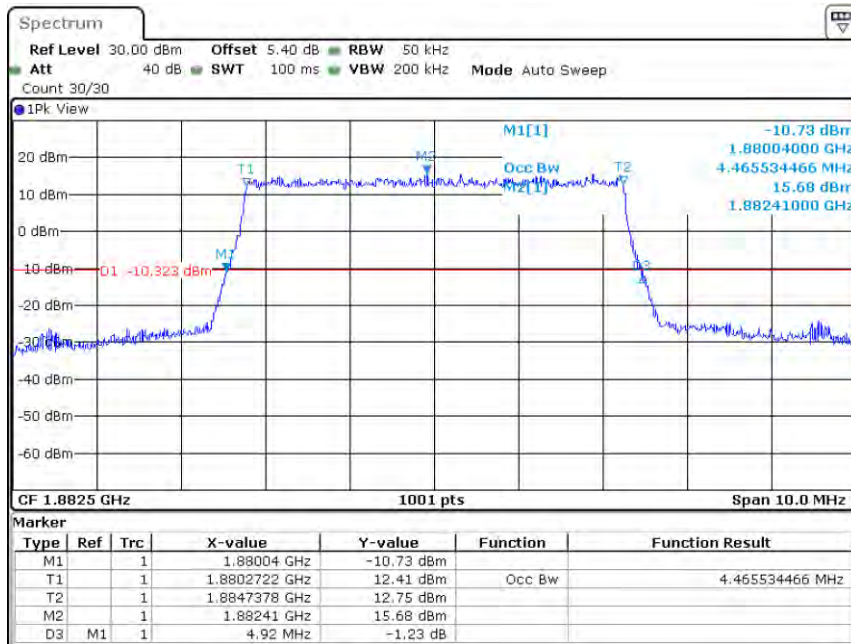
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**Band25-5MHz-QPSK-26065-25RB#0-4.466**



Date: 23.APR 2021 06:01:08

**Band25-5MHz-QPSK-26365-25RB#0-4.466**

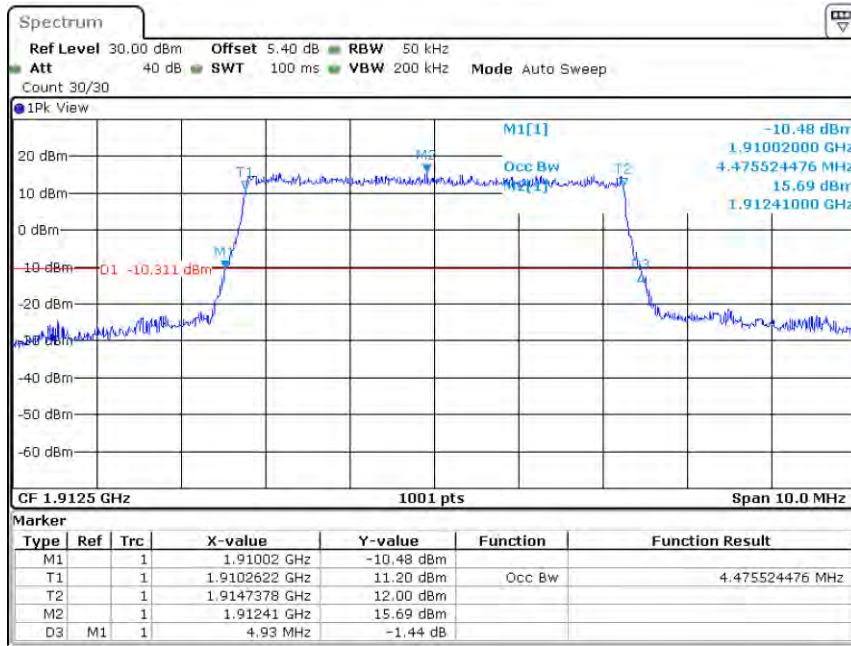


Date: 23.APR 2021 06:01:34



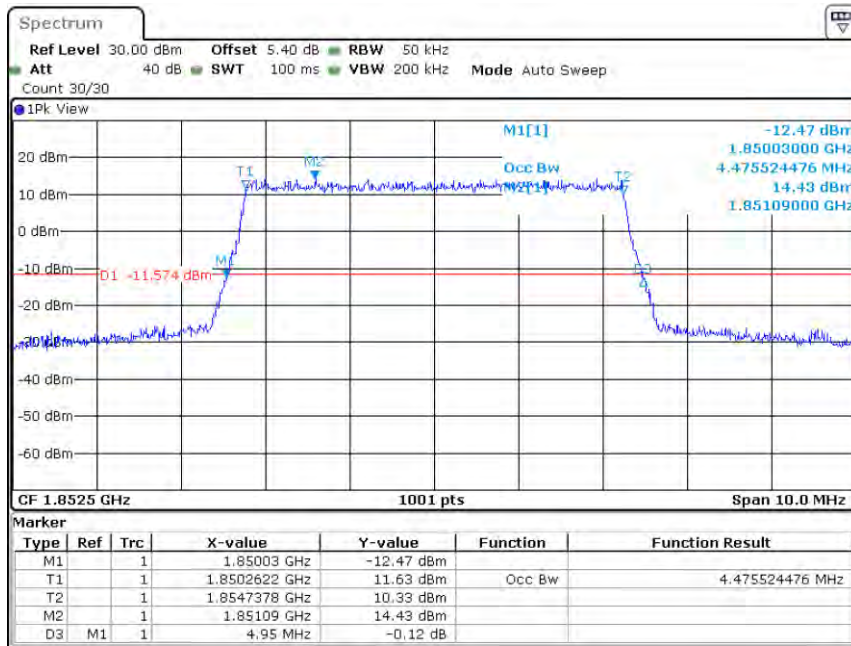
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**Band25-5MHz-QPSK-26665-25RB#0-4.476**



Date: 23.APR 2021 06:02:00

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



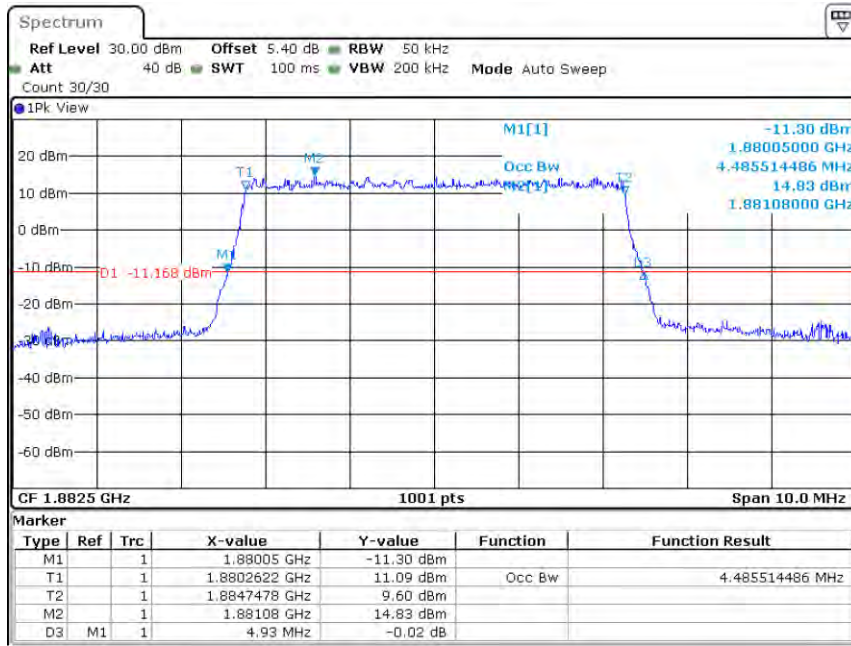
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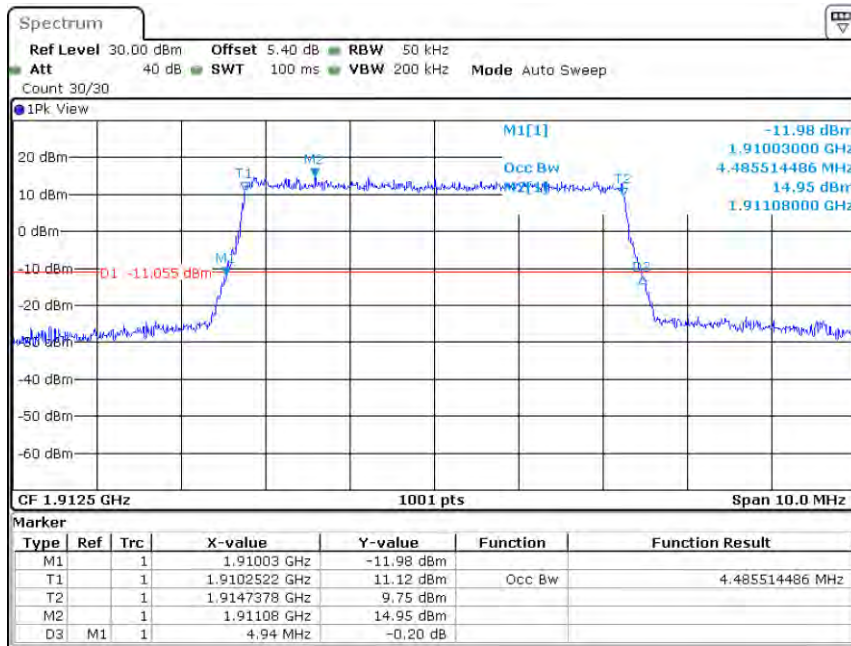


**Band25-5MHz-16QAM-26365-25RB#0-4.486**



Date: 23.APR.2021 06:01:47

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

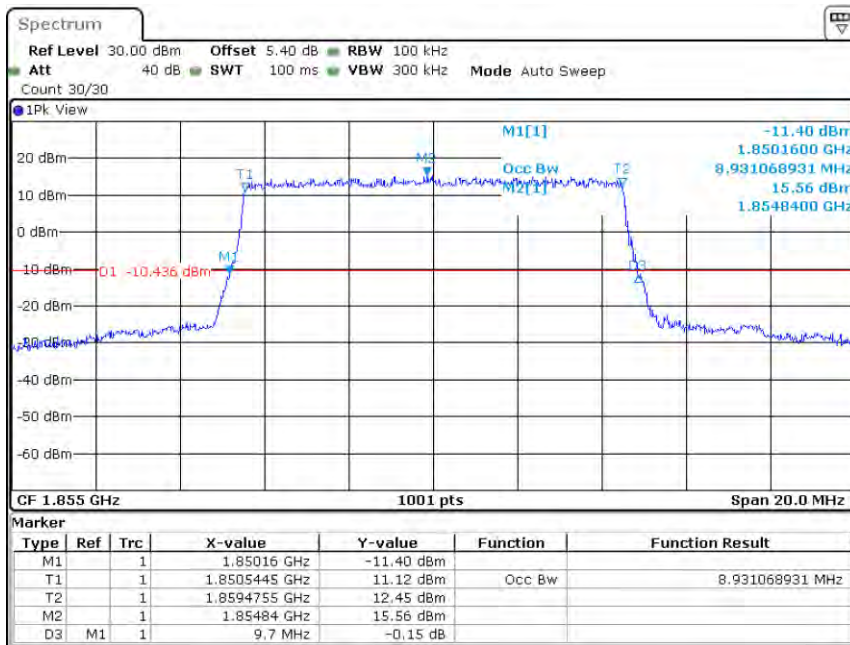


Date: 23.APR.2021 06:02:13



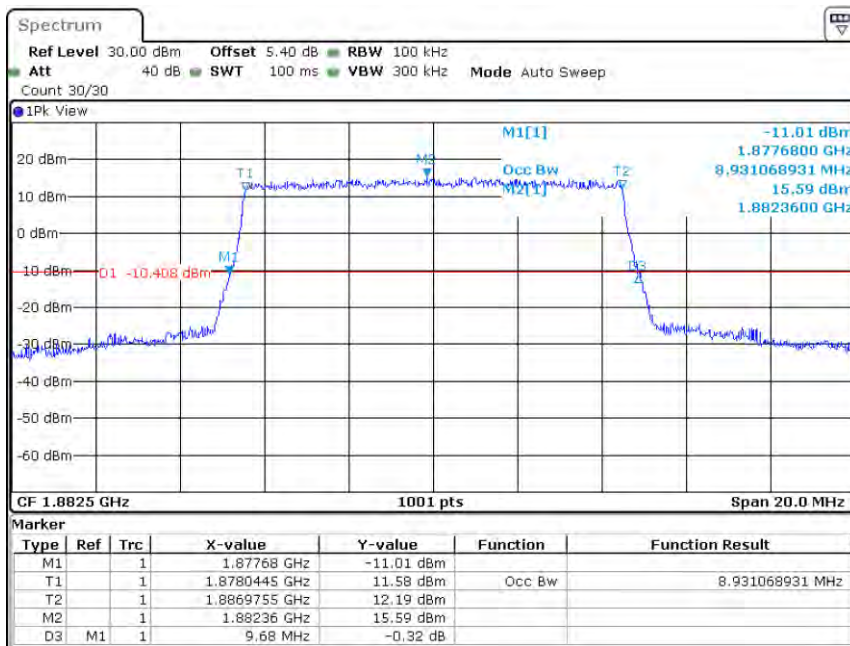
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**Band25-10MHz-QPSK-26090-50RB#0-8.931**



Date: 23.APR 2021 06:02:31

**Band25-10MHz-QPSK-26365-50RB#0-8.931**



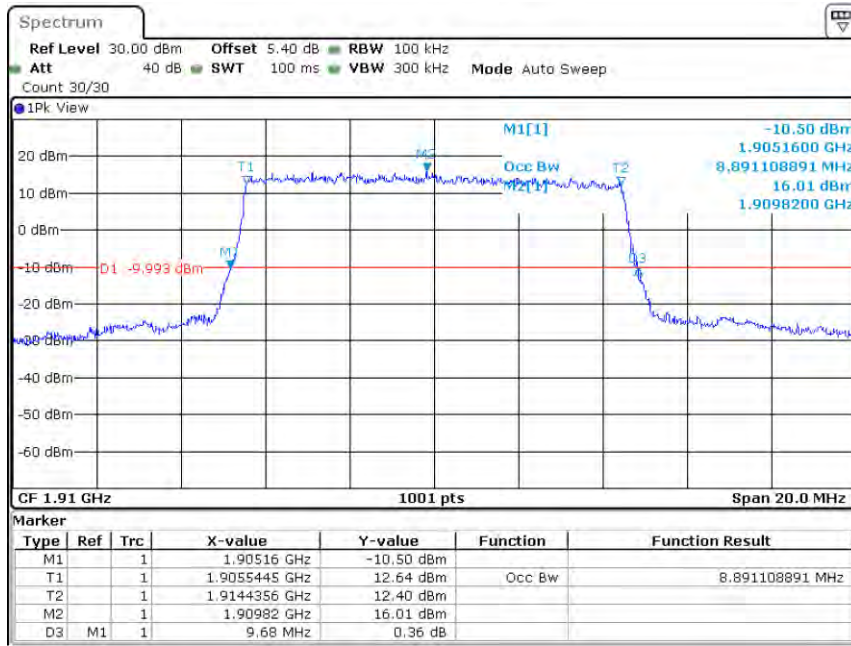
Date: 23.APR 2021 06:02:57



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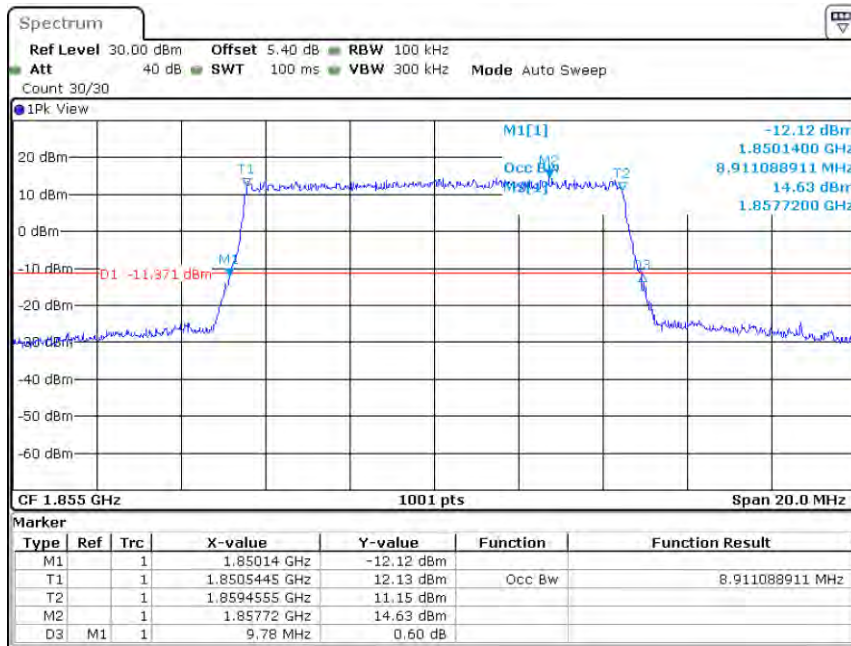


Band25-10MHz-QPSK-26640-50RB#0-8.891



Date: 23.APR 2021 06:03:23

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



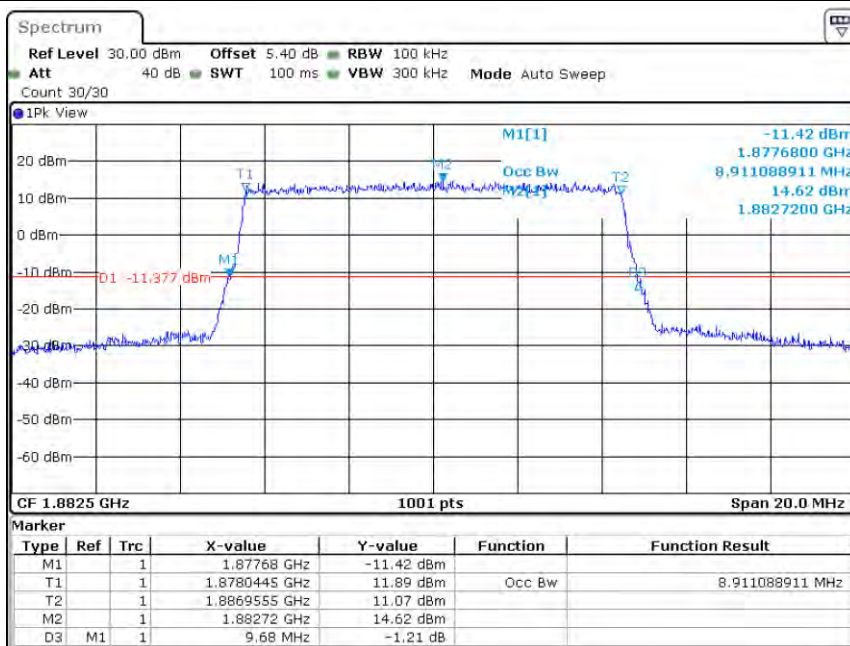
Date: 23.APR 2021 06:02:44



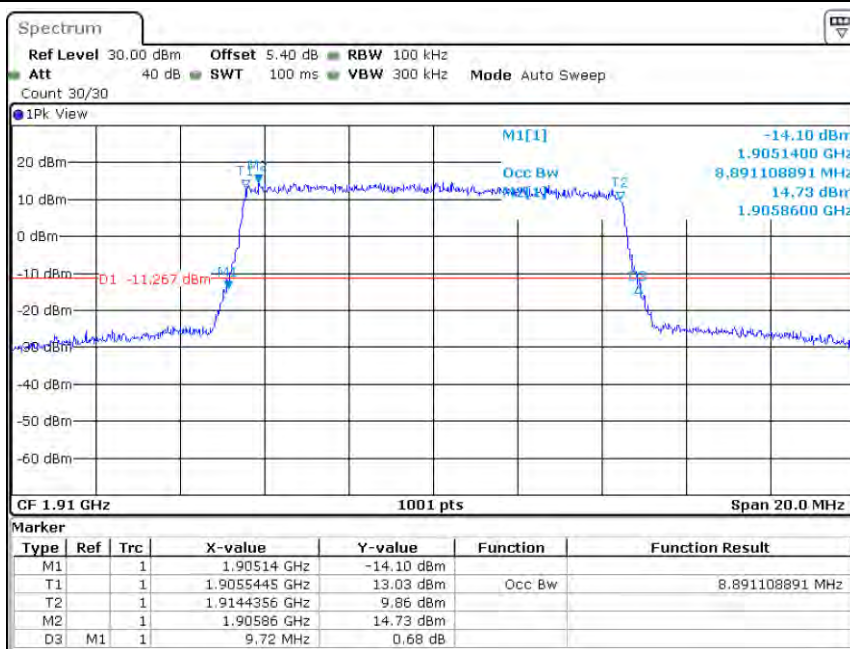
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Band25-10MHz-16QAM-26365-50RB#0-8.911



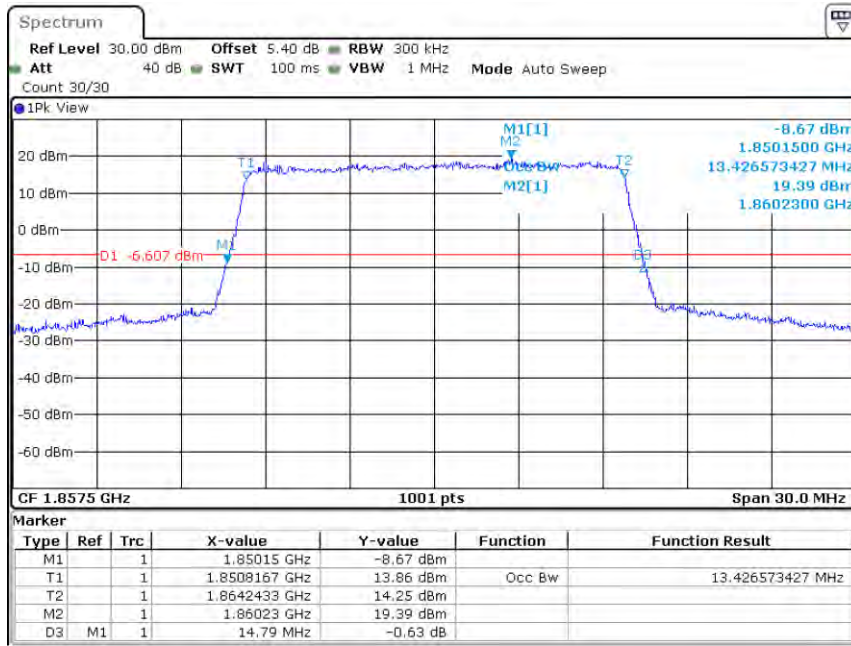
Band25-10MHz-16QAM-26640-50RB#0-8.891



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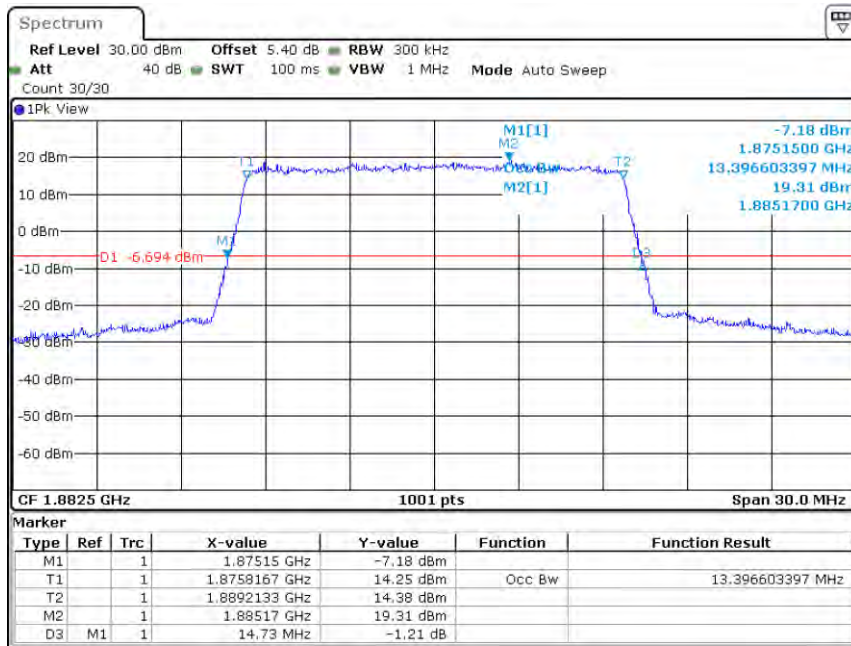


Band25-15MHz-QPSK-26115-75RB#0-13.427



Date: 23.APR 2021 06:03:54

Band25-15MHz-QPSK-26365-75RB#0-13.397



Date: 23.APR 2021 06:04:20

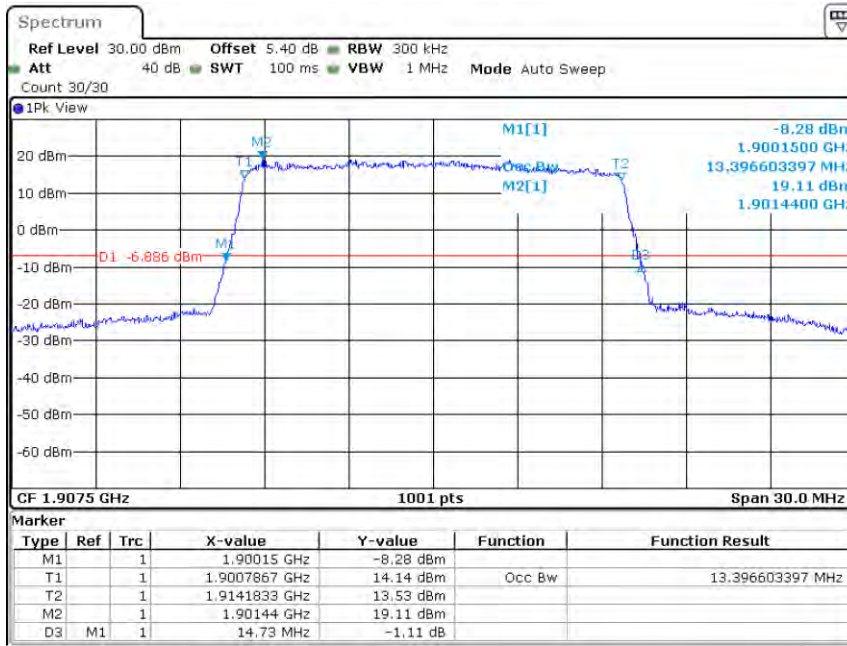


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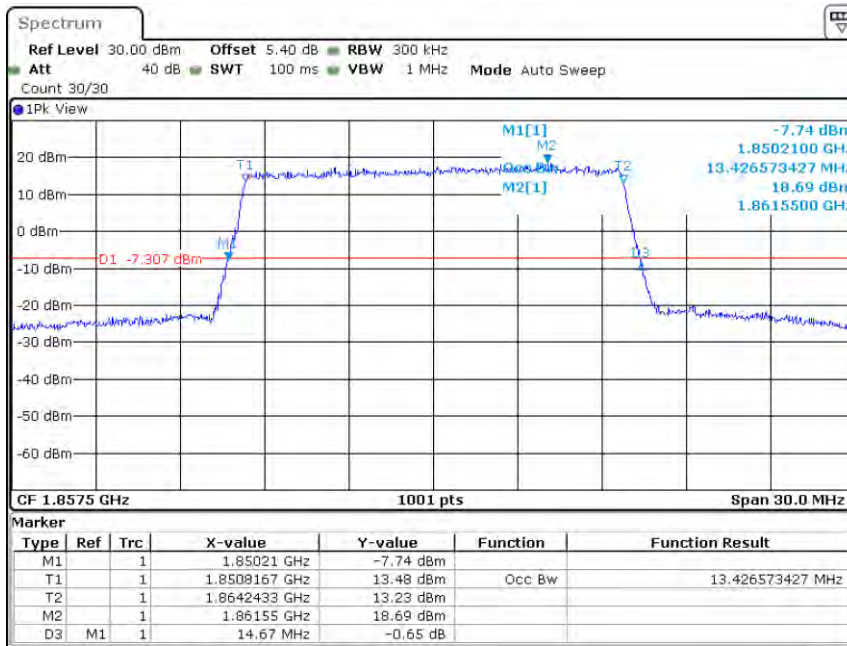


Band25-15MHz-QPSK-26615-75RB#0-13.397



Date: 23.APR 2021 06:04:46

Band25-15MHz-16QAM-26115-75RB#0-13.427



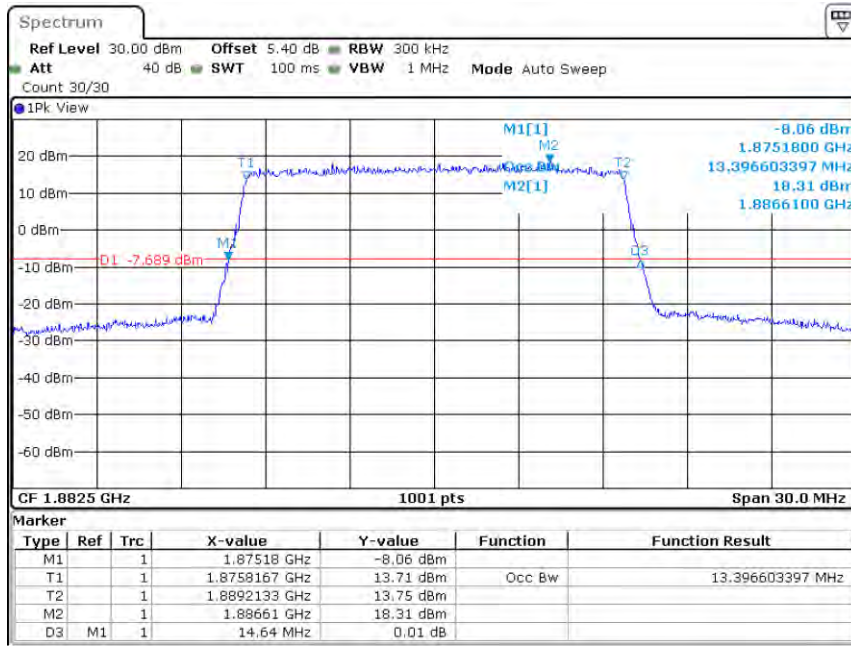
Date: 23.APR 2021 06:04:07



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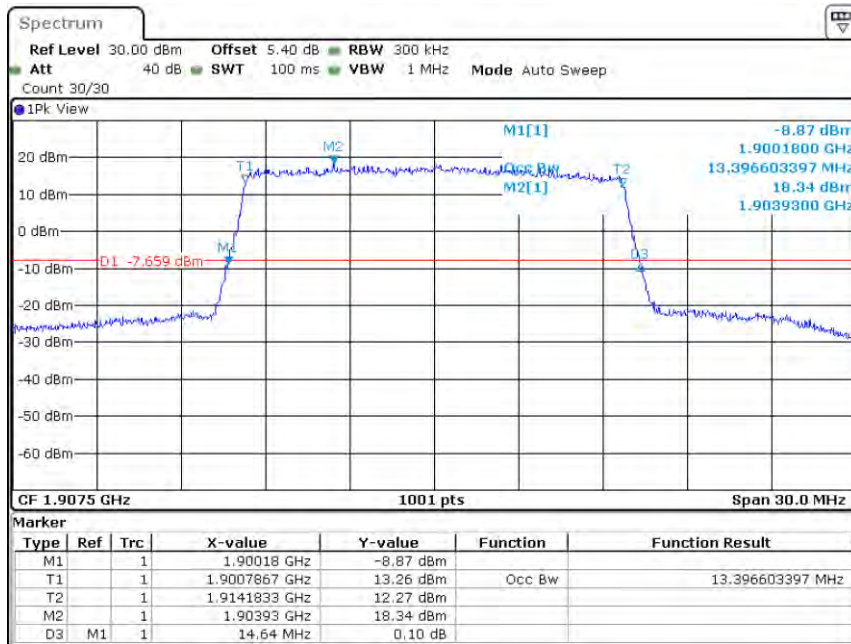


Band25-15MHz-16QAM-26365-75RB#0-13.397



Date: 23.APR 2021 06:04:33

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

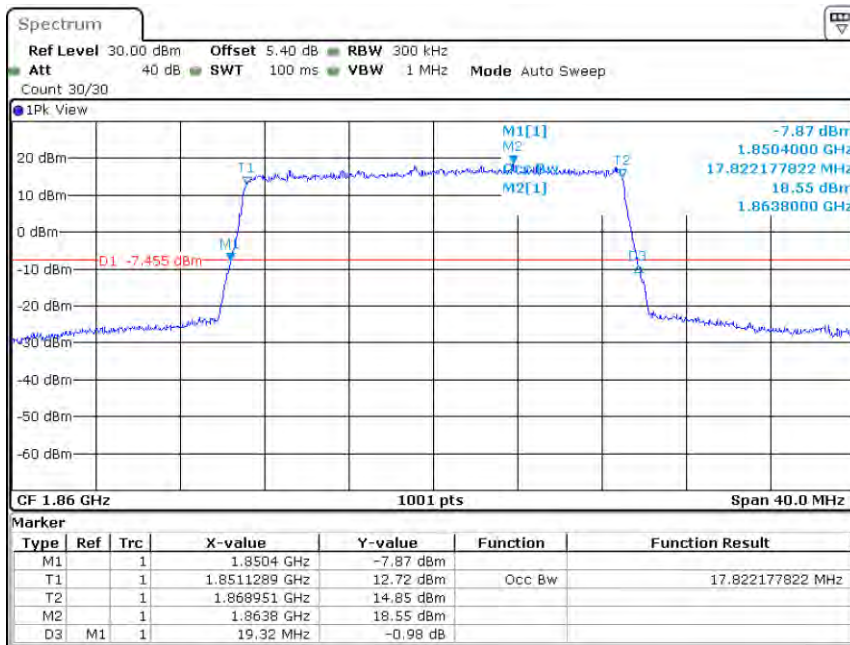


Date: 23.APR 2021 06:04:58



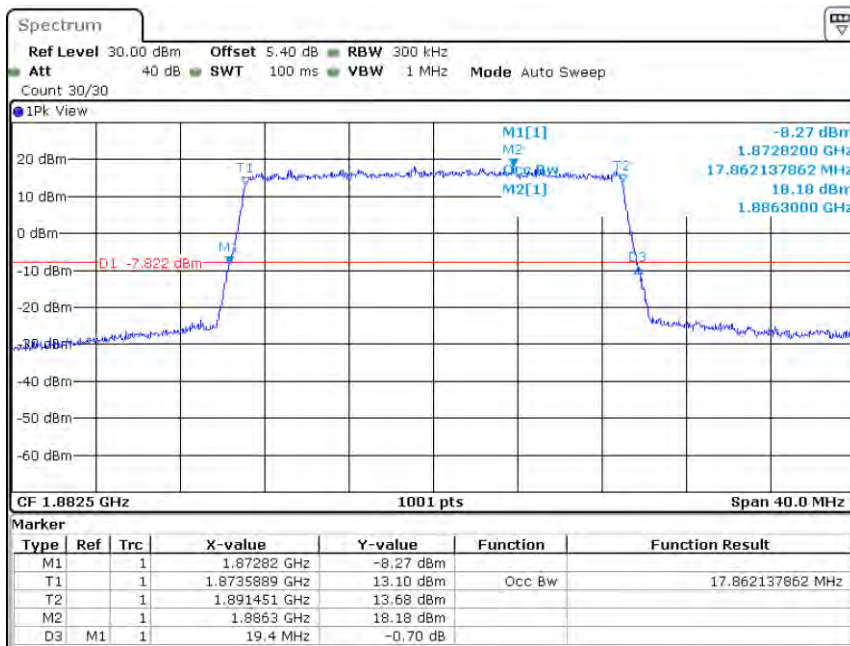
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**Band25-20MHz-QPSK-26140-100RB#0-17.822**



Date: 23.APR 2021 06:05:17

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



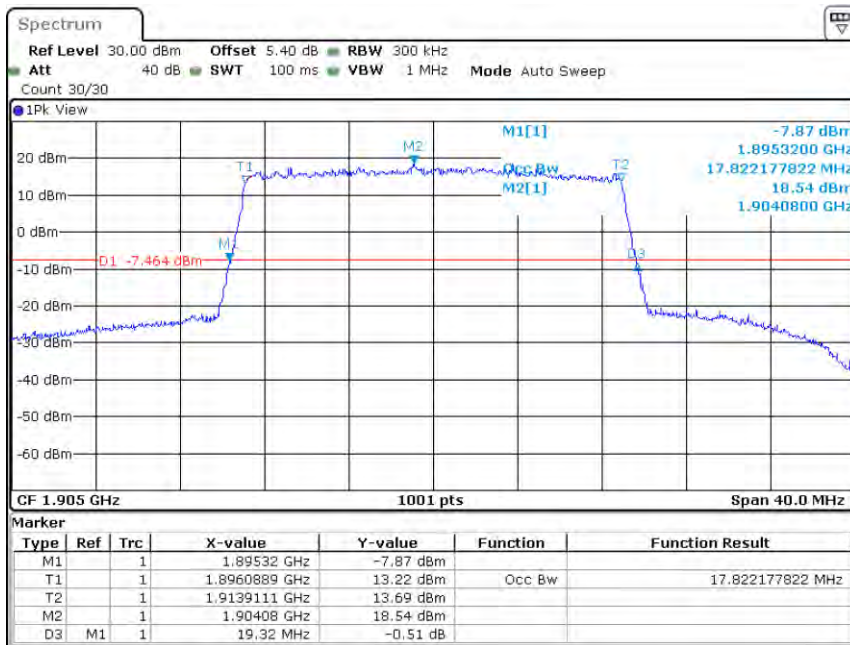
Date: 23.APR 2021 06:05:43



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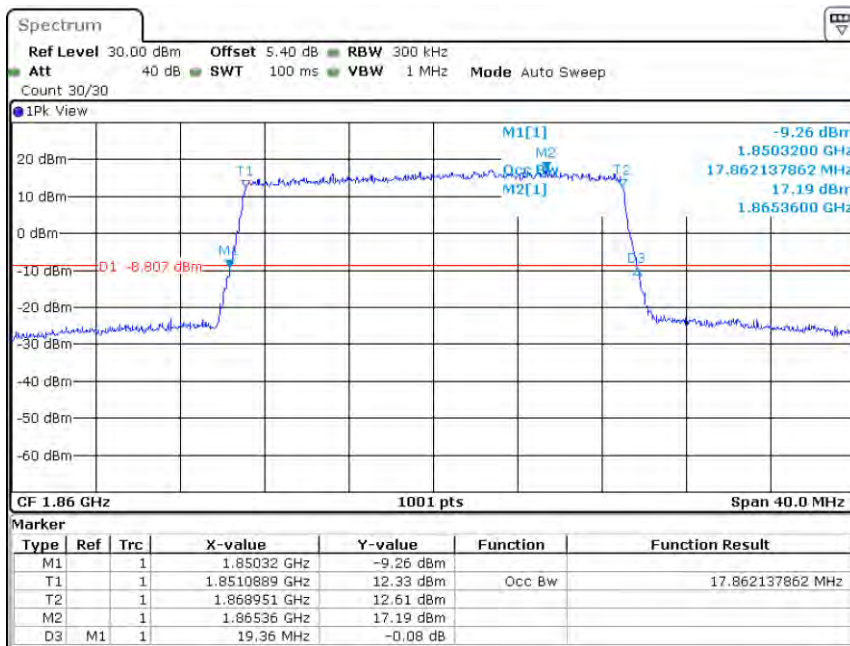


**Band25-20MHz-QPSK-26590-100RB#0-17.822**



Date: 23.APR 2021 06:06:09

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



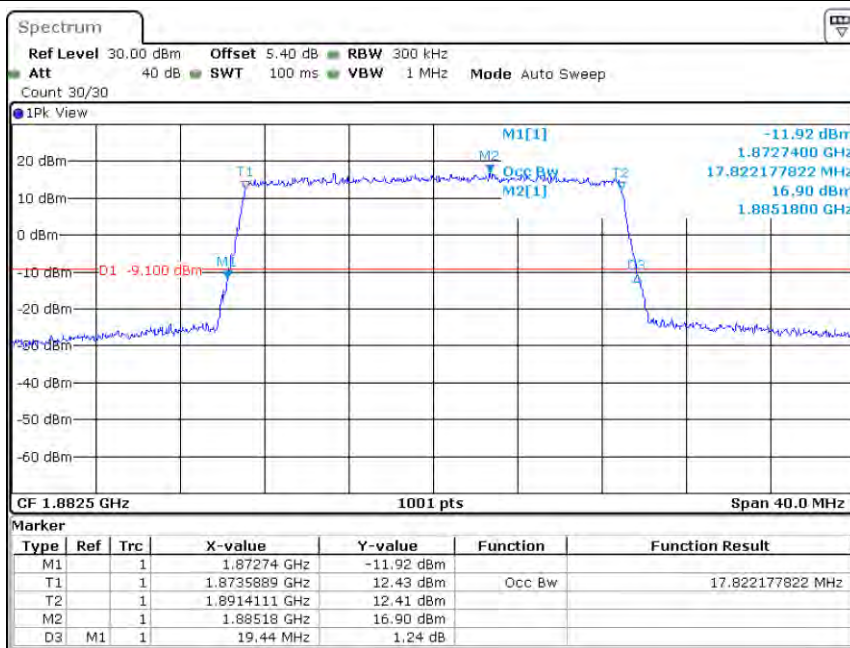
Date: 23.APR 2021 06:05:30



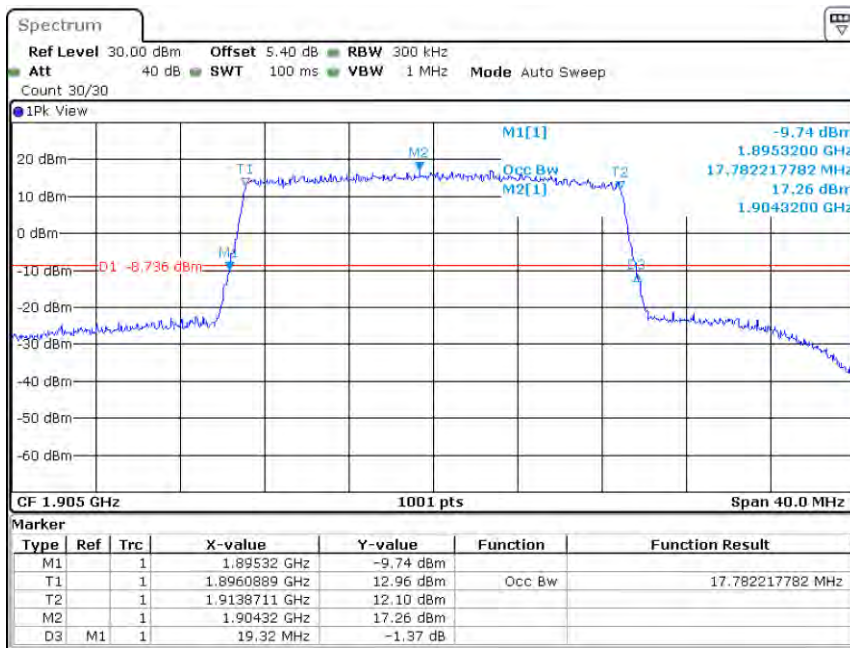
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Band25-20MHz-16QAM-26365-100RB#0-17.822



Band25-20MHz-16QAM-26590-100RB#0-17.782



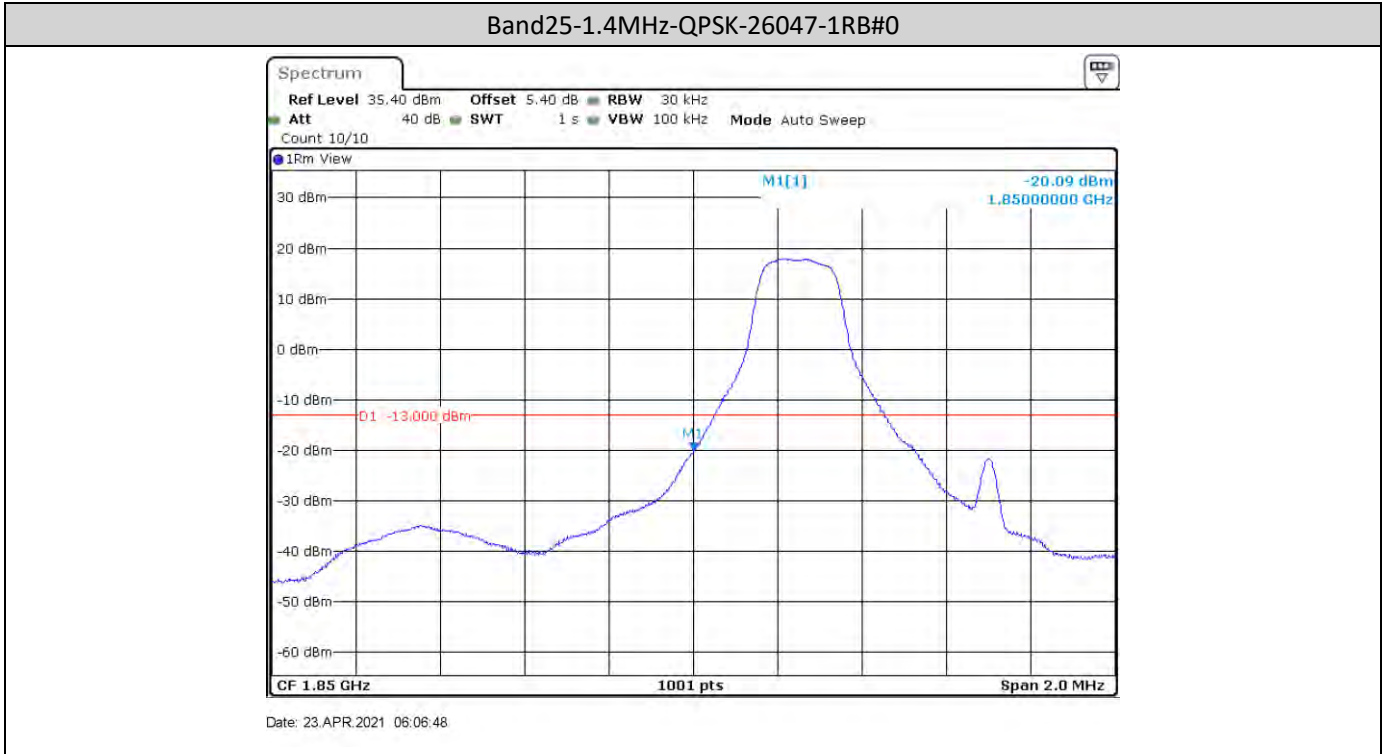
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## 5. Band Edge Compliance

### 5.1. Test Plots



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



Date: 23.APR.2021 06:07:29

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



Date: 23.APR.2021 06:08:15



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



Date: 23.APR.2021 06:09:10

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



Date: 23.APR.2021 06:07:09



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



Date: 23.APR.2021 06:07:50

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



Date: 23.APR.2021 06:08:49



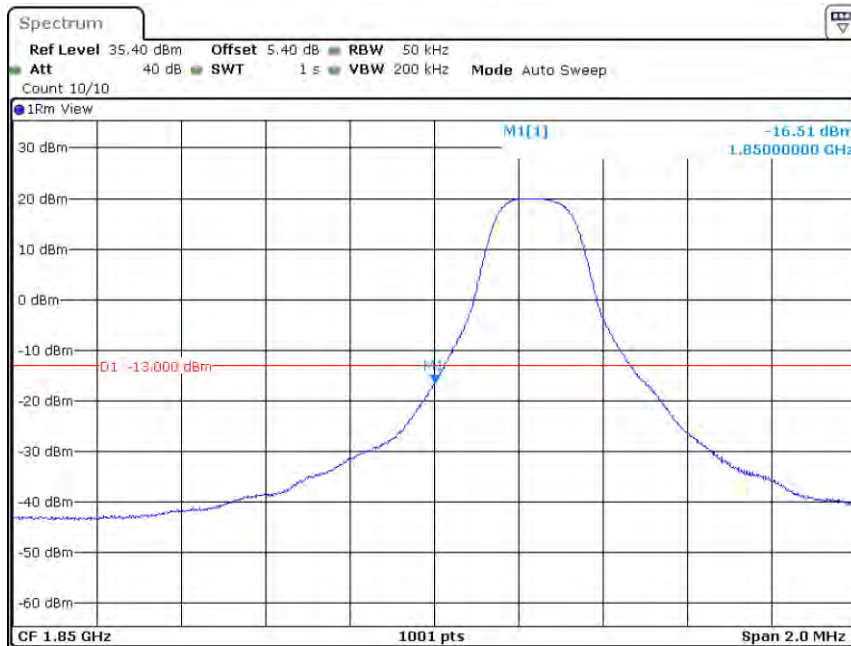
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**Band25-1.4MHz-16QAM-26683-6RB#0**



Date: 23.APR.2021 06:09:30

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



Date: 23.APR.2021 06:09:57



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



Date: 23.APR.2021 06:10:38

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



Date: 23.APR.2021 06:11:24



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



Date: 23.APR.2021 06:12:04

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



Date: 23.APR.2021 06:10:17



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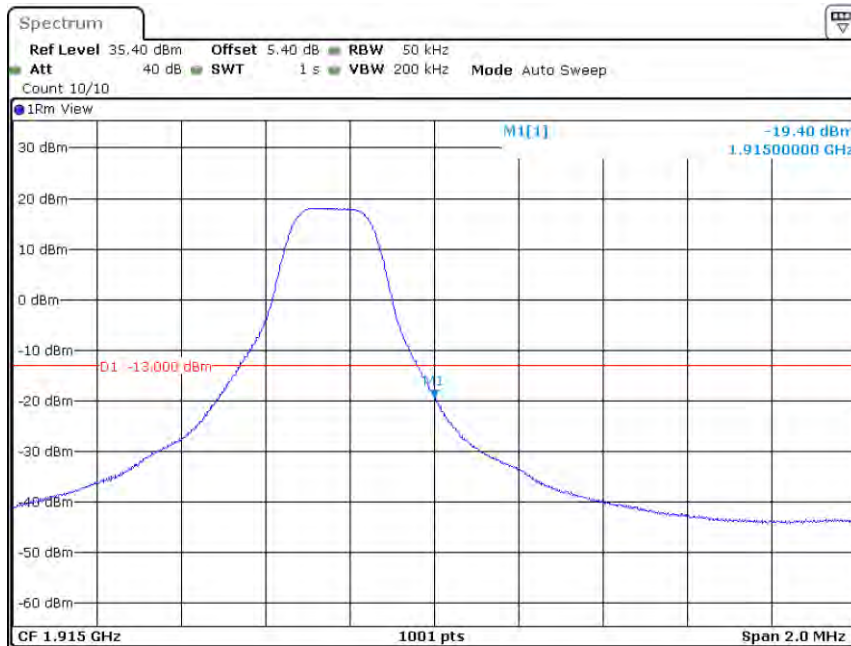


**Band25-3MHz-16QAM-26055-15RB#0**



Date: 23.APR.2021 06:10:59

**Band25-3MHz-16QAM-26675-1RB#14**



Date: 23.APR.2021 06:11:44



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



Date: 23.APR.2021 06:12:25

**Band25-5MHz-QPSK-26065-1RB#0**



Date: 23.APR.2021 06:12:52



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



Date: 23.APR.2021 06:13:33

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



Date: 23.APR.2021 06:14:18



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



Date: 23.APR.2021 06:15:00

**Band25-5MHz-16QAM-26065-1RB#0**



Date: 23.APR.2021 06:13:12



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



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



Date: 23.APR.2021 06:13:53

**Band25-5MHz-16QAM-26665-1RB#24**



Date: 23.APR.2021 06:14:39



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



Date: 23.APR.2021 06:15:20

**Band25-10MHz-QPSK-26090-1RB#0**



Date: 23.APR.2021 06:15:47



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



Date: 23.APR.2021 06:16:28

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



Date: 23.APR.2021 06:17:13



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



Date: 23.APR.2021 06:17:54

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



Date: 23.APR.2021 06:16:07



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



Date: 23.APR.2021 06:16:48

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



Date: 23.APR.2021 06:17:34



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



Date: 23.APR.2021 06:18:15

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



Date: 23.APR.2021 06:18:41



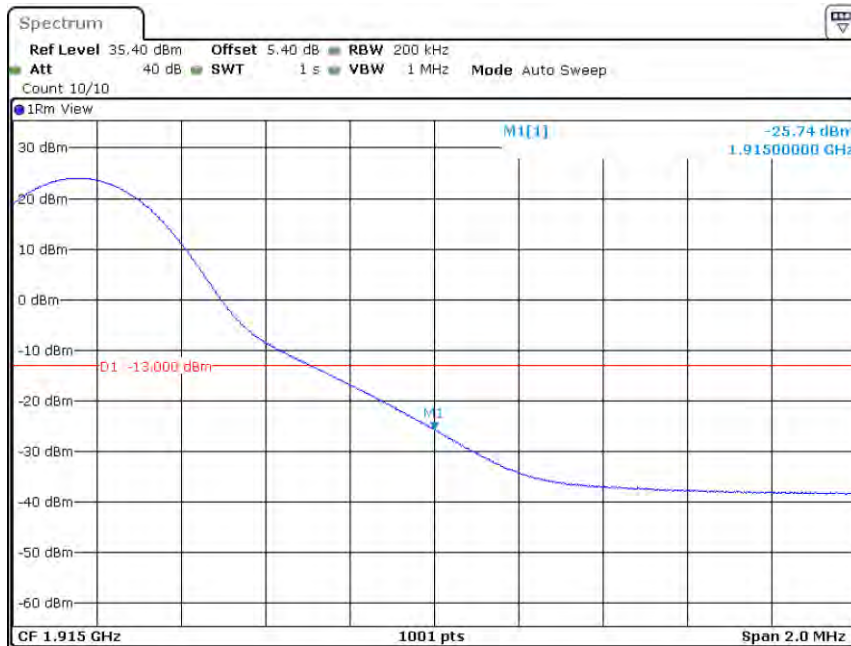
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**Band25-15MHz-QPSK-26115-75RB#0**



Date: 23.APR.2021 06:19:23

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



Date: 23.APR.2021 06:20:08



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



Date: 23.APR.2021 06:20:49

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



Date: 23.APR.2021 06:19:02



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



Date: 23.APR.2021 06:19:43

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



Date: 23.APR.2021 06:20:29



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



Date: 23.APR.2021 06:21:10

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



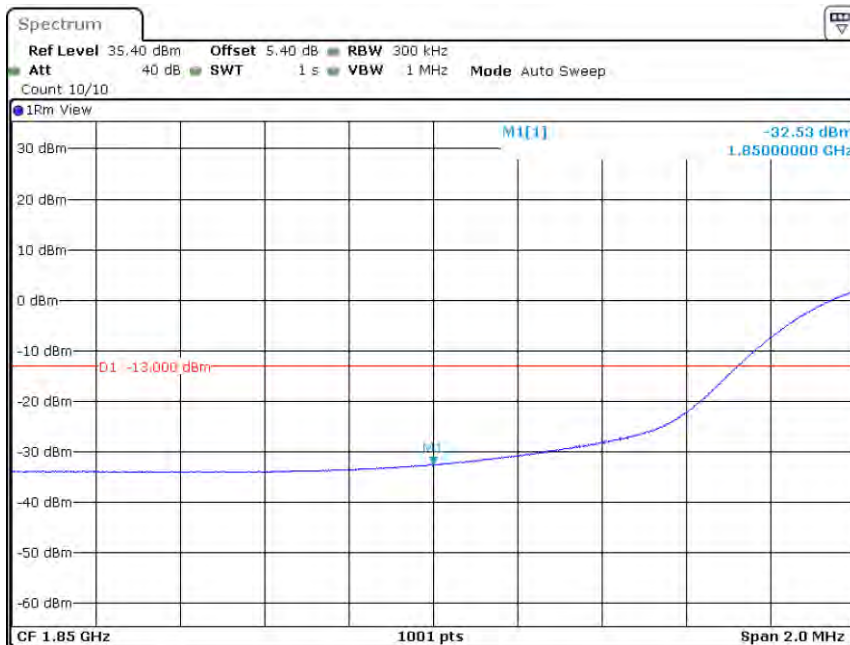
Date: 23.APR.2021 06:21:36



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



Date: 23.APR.2021 06:22:17

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



Date: 23.APR.2021 06:23:03



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



Date: 23.APR.2021 06:23:44

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



Date: 23.APR.2021 06:21:57



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



Date: 23.APR.2021 06:22:38

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



Date: 23.APR.2021 06:23:24



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



Date: 23.APR.2021 06:24:05



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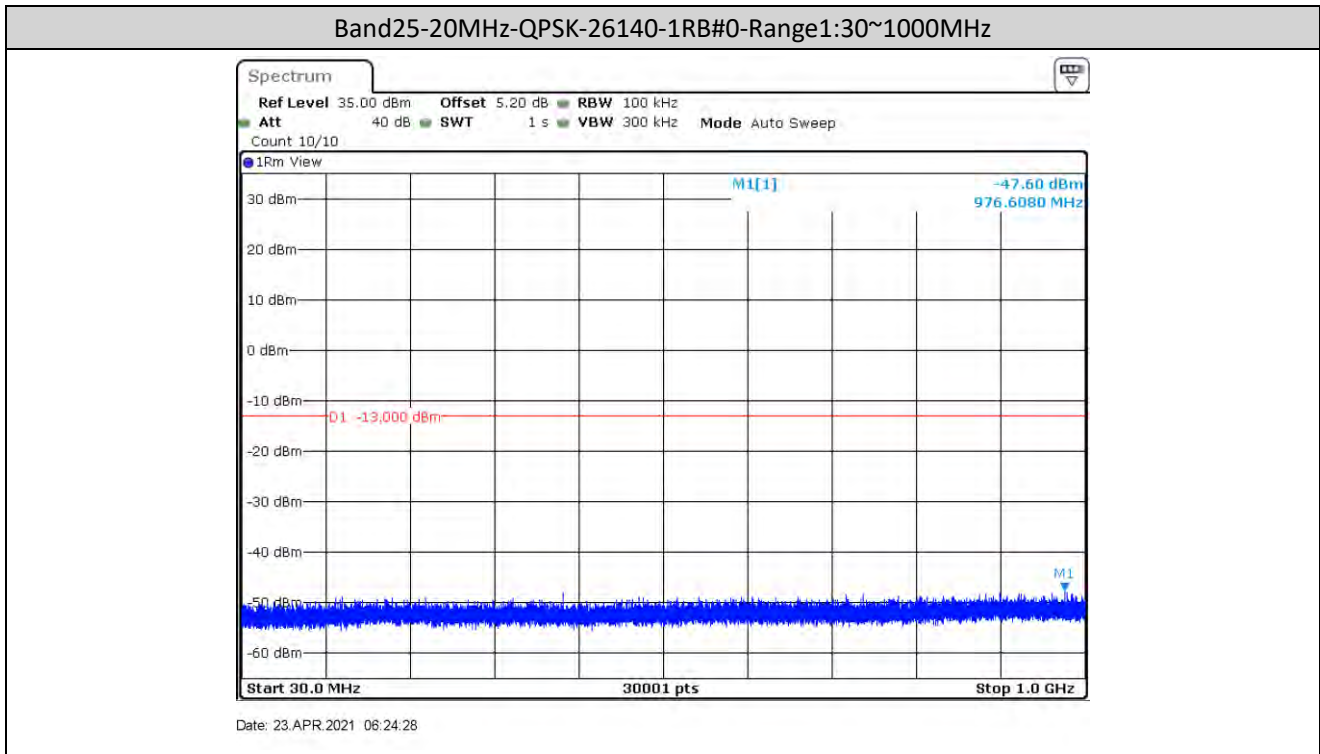
## 6. Spurious Emission at Antenna Terminal

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: 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.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

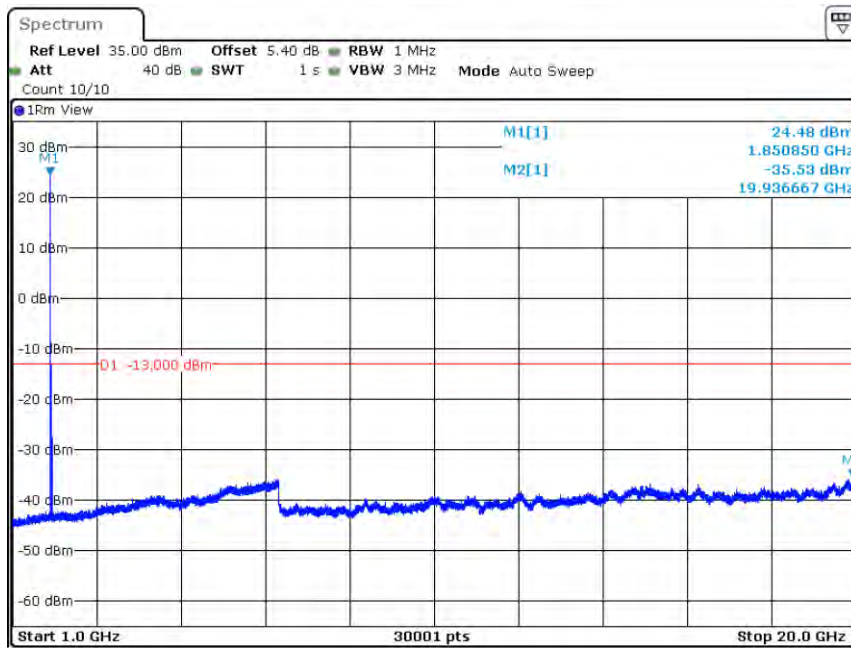
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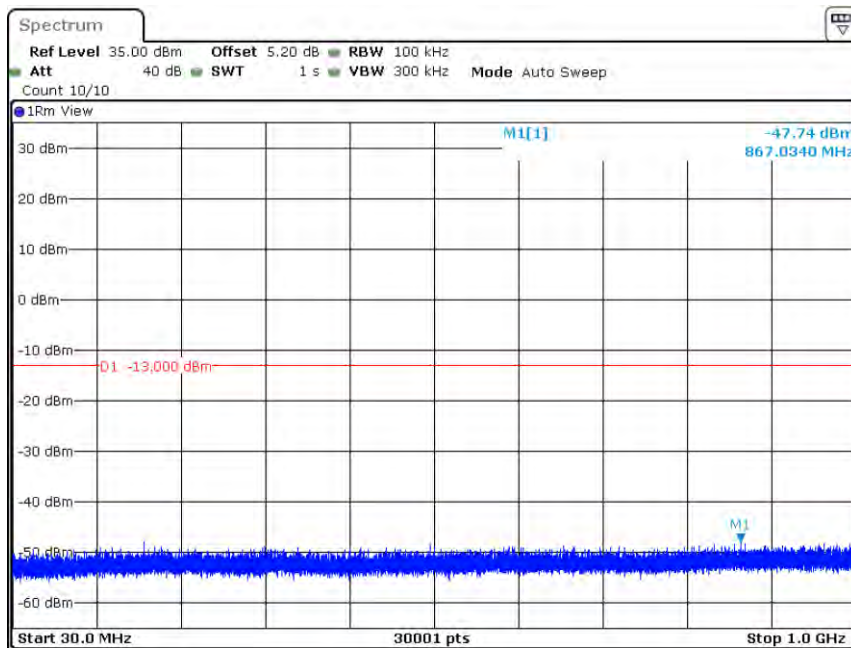
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**Band25-20MHz-QPSK-26140-1RB#0-Range2:1000~20000MHz**



Date: 23.APR.2021 06:24:44

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



Date: 23.APR.2021 06:25:38

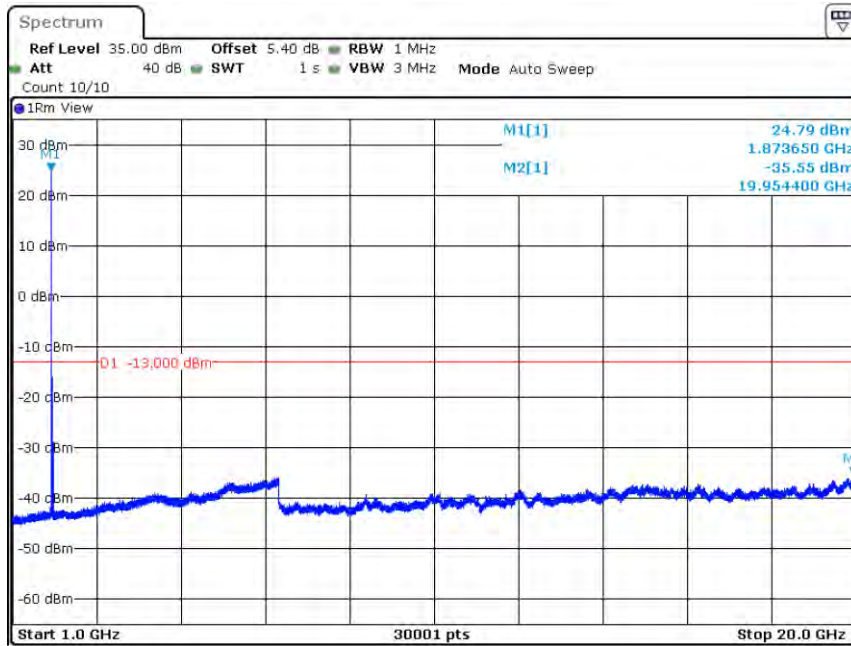


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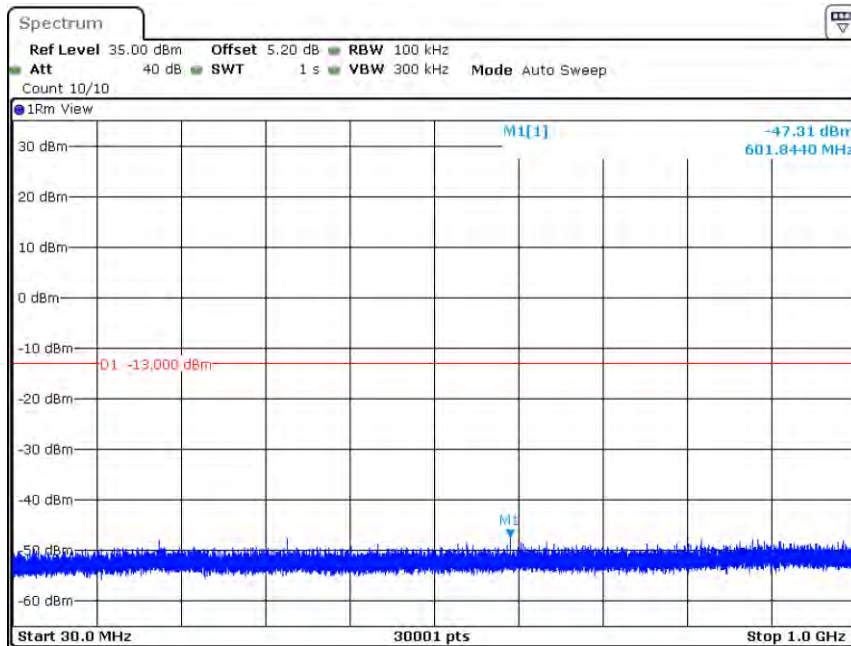


**Band25-20MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz**



Date: 23.APR.2021 06:25:54

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



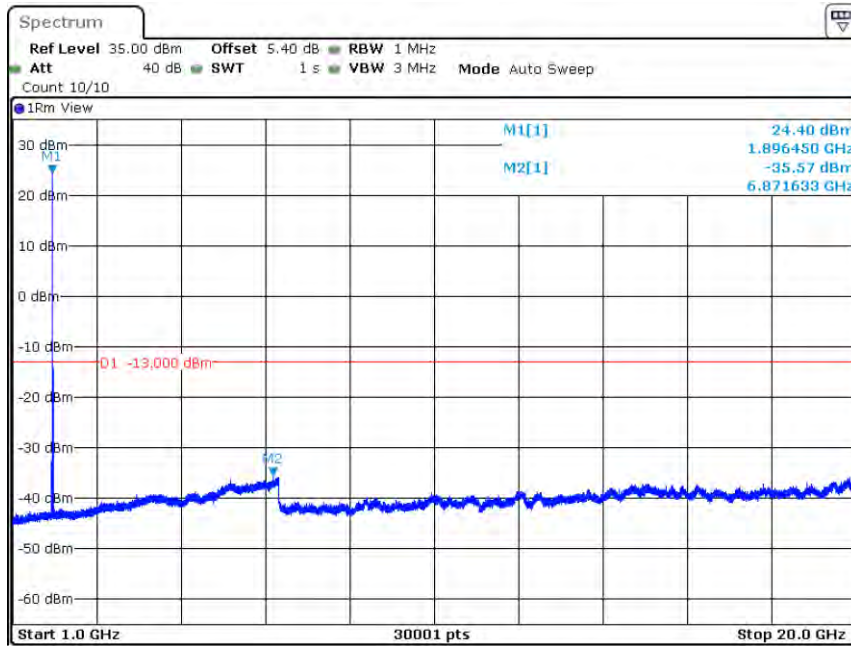
Date: 23.APR.2021 06:26:49



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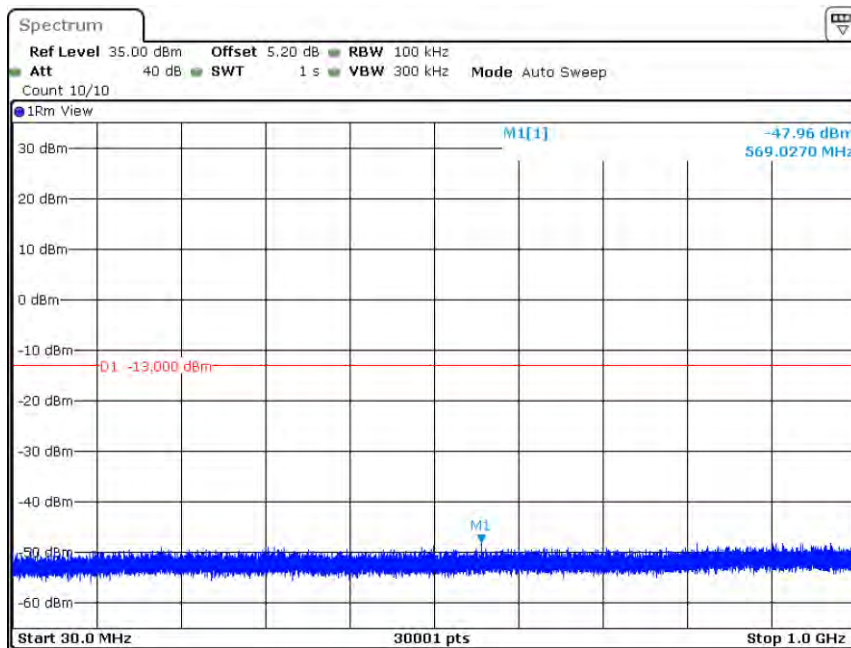
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**Band25-20MHz-QPSK-26590-1RB#0-Range2:1000~20000MHz**



Date: 23.APR.2021 06:27:05

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



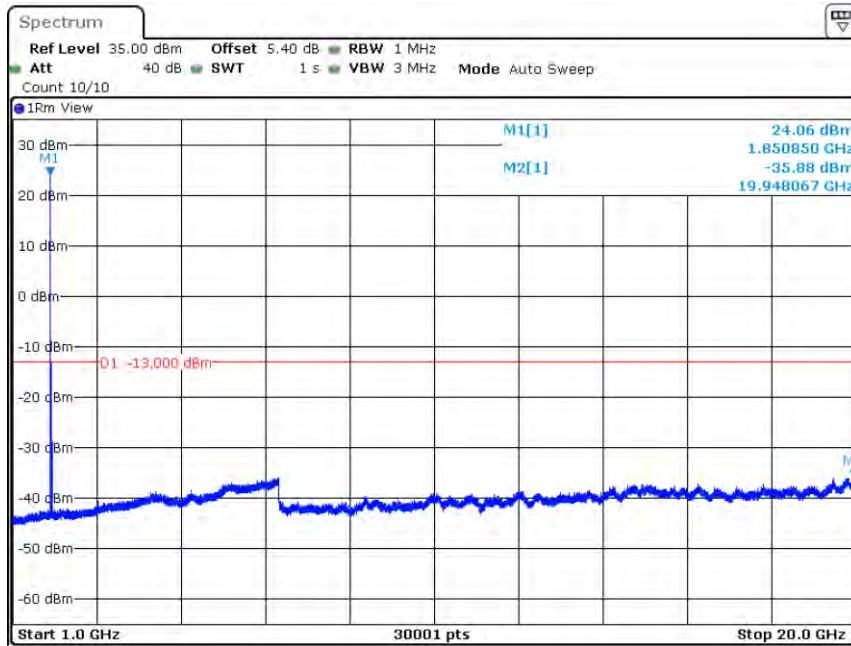
Date: 23.APR.2021 06:25:03



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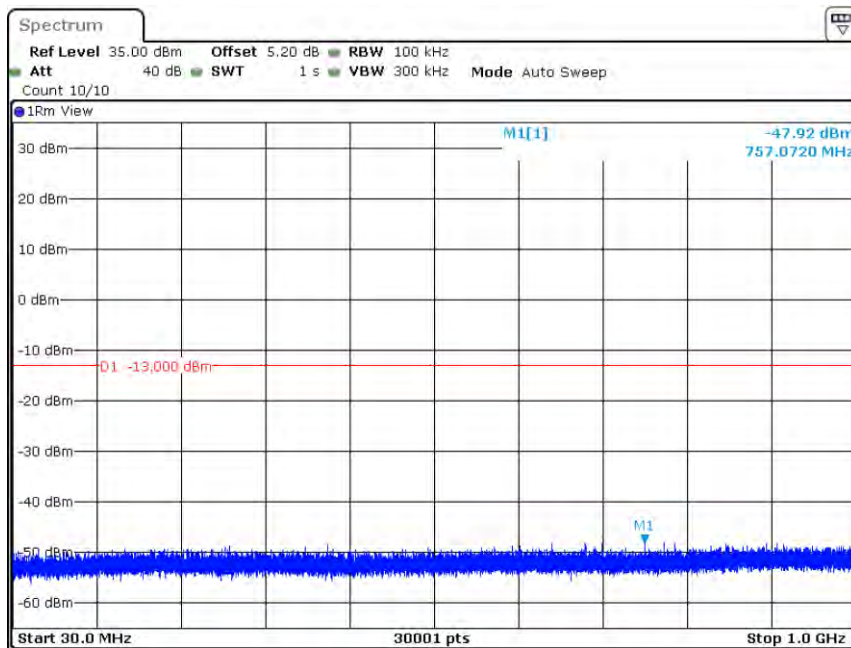
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**Band25-20MHz-16QAM-26140-1RB#0-Range2:1000~20000MHz**



Date: 23.APR.2021 06:25:19

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

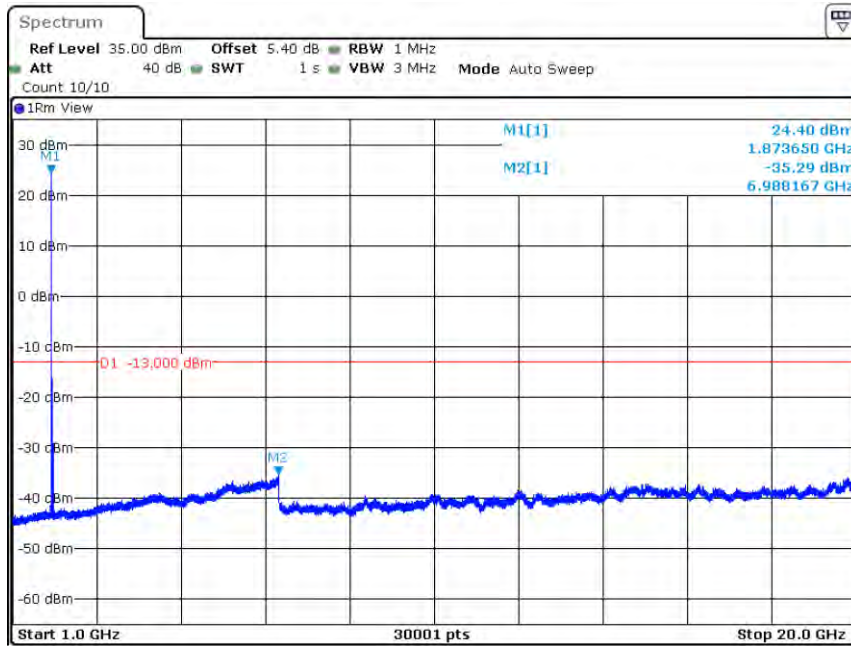


Date: 23.APR.2021 06:26:13



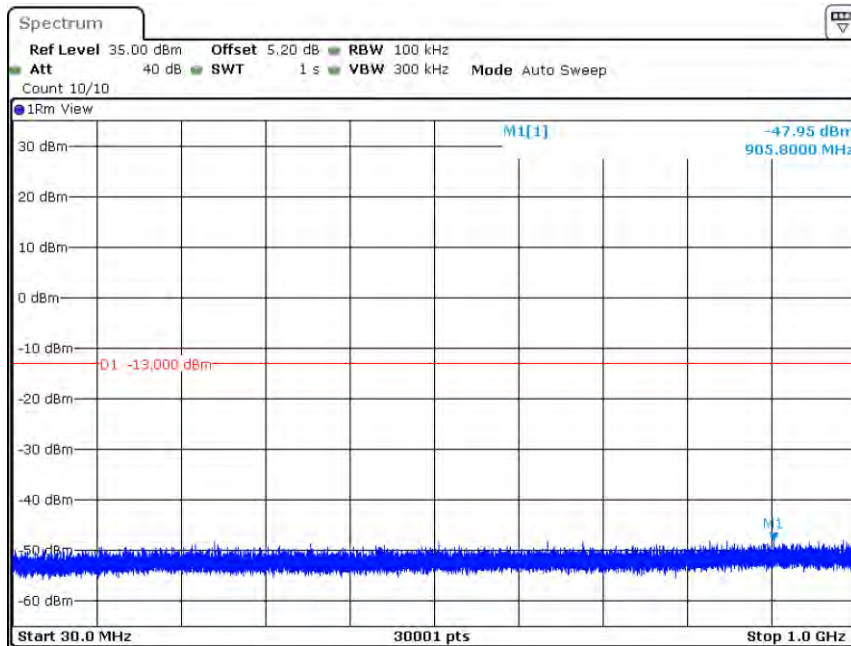
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**Band25-20MHz-16QAM-26365-1RB#0-Range2:1000~20000MHz**



Date: 23.APR.2021 06:26:30

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



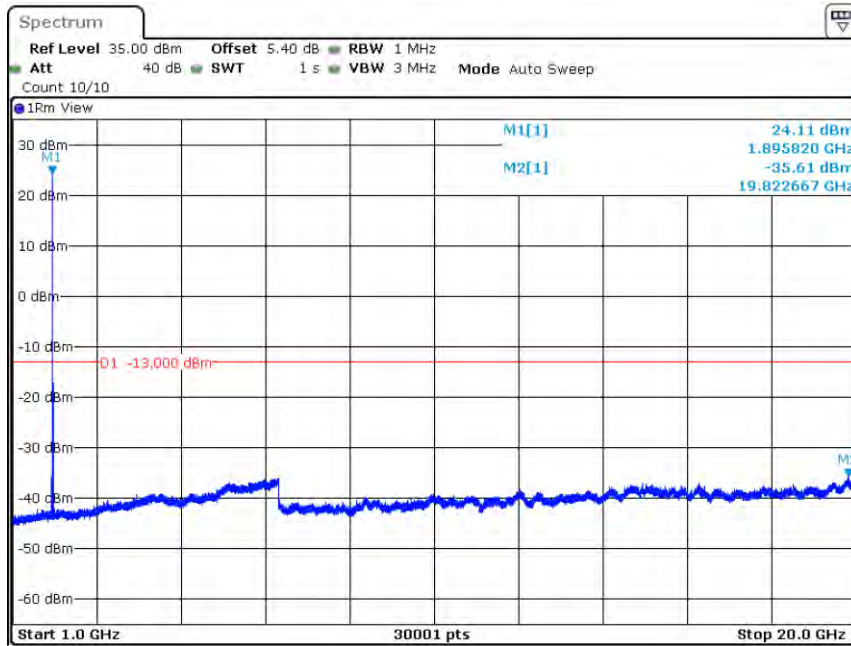
Date: 23.APR.2021 06:27:24



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



Date: 23.APR.2021 06:27:41



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## 7. Field Strength of Spurious Radiation

ANT1:

7.1. Test Band = LTE\_Band=25 BW=20MHz\_TM1

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.3690	-90.90	-58.52	-13.00	45.52	Horizontal
2	230.4513	-90.04	-61.56	-13.00	48.56	Horizontal
3	554.5931	-87.16	-56.41	-13.00	43.41	Horizontal
4	3702.0234	-42.90	-50.12	-13.00	37.12	Horizontal
5	5553.0851	-26.28	-27.83	-13.00	14.83	Horizontal
6	9255.2085	-49.94	-42.98	-13.00	29.98	Horizontal

7.2. Test Band = LTE\_Band=25 BW=20MHz\_TM1

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.4323	-90.86	-67.01	-13.00	54.01	Vertical
2	109.7925	-90.65	-58.76	-13.00	45.76	Vertical
3	471.8902	-86.95	-58.27	-13.00	45.27	Vertical
4	3702.0234	-41.71	-49.73	-13.00	36.73	Vertical
5	5553.0851	-25.07	-27.04	-13.00	14.04	Vertical
6	9255.7085	-48.94	-41.94	-13.00	28.94	Vertical



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**7.3. Test Band = LTE\_Band=25 BW=20MHz\_TM1**

**7.3.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1880	-91.51	-59.08	-13.00	46.08	Horizontal
2	231.1789	-89.53	-61.05	-13.00	48.05	Horizontal
3	554.3505	-87.17	-56.42	-13.00	43.42	Horizontal
4	3747.0249	-39.20	-45.82	-13.00	32.82	Horizontal
5	5620.5874	-25.94	-27.42	-13.00	14.42	Horizontal
6	9367.7123	-51.09	-44.48	-13.00	31.48	Horizontal

**7.4. Test Band = LTE\_Band=25 BW=20MHz\_TM1**

**7.4.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.3708	-90.18	-66.75	-13.00	53.75	Vertical
2	109.9137	-90.88	-58.96	-13.00	45.96	Vertical
3	425.5669	-88.52	-60.60	-13.00	47.60	Vertical
4	3747.0249	-42.74	-50.06	-13.00	37.06	Vertical
5	5620.5874	-22.32	-24.18	-13.00	11.18	Vertical
6	9367.7123	-48.24	-41.48	-13.00	28.48	Vertical



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**7.5. Test Band = LTE\_Band=25 BW=20MHz\_TM1**

**7.5.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.1581	-91.43	-59.07	-13.00	46.07	Horizontal
2	236.3933	-89.89	-61.48	-13.00	48.48	Horizontal
3	552.7741	-87.01	-56.27	-13.00	43.27	Horizontal
4	3792.0264	-36.16	-42.92	-13.00	29.92	Horizontal
5	5687.5896	-22.48	-23.32	-13.00	10.32	Horizontal
6	9479.7160	-47.86	-41.63	-13.00	28.63	Horizontal

**7.6. Test Band = LTE\_Band=25 BW=20MHz\_TM1**

**7.6.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	47.2197	-90.87	-67.27	-13.00	54.27	Vertical
2	114.6431	-90.52	-59.00	-13.00	46.00	Vertical
3	472.0115	-88.29	-59.61	-13.00	46.61	Vertical
4	3792.0264	-40.22	-47.57	-13.00	34.57	Vertical
5	5688.0896	-21.14	-22.66	-13.00	9.66	Vertical
6	9479.7160	-46.12	-39.78	-13.00	26.78	Vertical



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**ANT2:**

**7.7. Test Band = LTE\_Band=25 BW=20MHz\_TM1**

**7.7.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.1564	-71.69	-55.91	-13.00	42.91	Horizontal
2	234.9381	-81.43	-69.85	-13.00	56.85	Horizontal
3	1193.0241	-73.79	-46.08	-13.00	33.08	Horizontal
4	2998.7498	-73.04	-32.37	-13.00	19.37	Horizontal
5	5580.5860	-50.48	-52.09	-13.00	39.09	Horizontal
6	16409.947	-59.13	-43.64	-13.00	30.64	Horizontal

**7.8. Test Band = LTE\_Band=25 BW=20MHz\_TM1**

**7.8.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.1564	-73.55	-70.19	-13.00	57.19	Vertical
2	110.3988	-81.19	-65.91	-13.00	52.91	Vertical
3	1196.7746	-73.64	-45.96	-13.00	32.96	Vertical
4	3000.0000	-73.25	-32.42	-13.00	19.42	Vertical
5	5581.0860	-45.79	-47.74	-13.00	34.74	Vertical
6	17989.999	-58.35	-38.88	-13.00	25.88	Vertical



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**7.9. Test Band = LTE\_Band=25 BW=20MHz \_TM1**

**7.9.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.1564	-72.01	-56.23	-13.00	43.23	Horizontal
2	236.8784	-80.83	-69.20	-13.00	56.20	Horizontal
3	1077.0096	-73.72	-47.53	-13.00	34.53	Horizontal
4	2981.9978	-72.76	-32.47	-13.00	19.47	Horizontal
5	5642.5881	-50.66	-51.96	-13.00	38.96	Horizontal
6	16400.946	-59.03	-43.17	-13.00	30.17	Horizontal

**7.10. Test Band = LTE\_Band=25 BW=20MHz \_TM1**

**7.10.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.5518	-75.28	-68.94	-13.00	55.94	Vertical
2	108.7011	-81.10	-66.06	-13.00	53.06	Vertical
3	1087.7610	-73.49	-46.66	-13.00	33.66	Vertical
4	2992.4991	-72.87	-32.31	-13.00	19.31	Vertical
5	5640.0880	-46.14	-47.93	-13.00	34.93	Vertical
6	17999.000	-58.28	-38.84	-13.00	25.84	Vertical



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**7.11. Test Band = LTE\_Band=25 BW=20MHz \_TM1**

**7.11.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.0351	-72.91	-57.13	-13.00	44.13	Horizontal
2	240.2738	-80.93	-69.23	-13.00	56.23	Horizontal
3	1294.7868	-73.39	-45.23	-13.00	32.23	Horizontal
4	2993.9993	-73.06	-32.56	-13.00	19.56	Horizontal
5	5727.0909	-50.46	-51.86	-13.00	38.86	Horizontal
6	16400.446	-59.36	-43.48	-13.00	30.48	Horizontal

**7.12. Test Band = LTE\_Band=25 BW=20MHz \_TM1**

**7.12.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6731	-74.63	-68.19	-13.00	55.19	Vertical
2	115.4919	-80.89	-66.02	-13.00	53.02	Vertical
3	1150.0188	-73.53	-46.15	-13.00	33.15	Vertical
4	2999.4999	-73.27	-32.46	-13.00	19.46	Vertical
5	5729.5910	-47.06	-49.17	-13.00	36.17	Vertical
6	17971.999	-57.85	-38.34	-13.00	25.34	Vertical

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	1.50	0.000806	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	1.20	0.000645	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VH	NT	-0.90	-0.000484	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	3.20	0.001700	±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	1.60	0.000850	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	1.90	0.000997	±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	0.30	0.000157	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VL	NT	1.50	0.000806	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VN	NT	2.00	0.001075	±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	1.00	0.000531	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VN	NT	2.70	0.001434	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VH	NT	-0.70	-0.000372	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VL	NT	1.40	0.000735	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VN	NT	-0.90	-0.000472	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	1.50	0.000787	±2.5	PASS



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## 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	-0.10	-0.000054	±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	-10	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	2.60	0.001398	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	1.20	0.000645	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	20	0.50	0.000269	±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	-0.40	-0.000215	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	50	-0.10	-0.000054	±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	2.30	0.001222	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	0.40	0.000212	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	0.80	0.000425	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	2.40	0.001275	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	1.90	0.001009	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-0.10	-0.000053	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-0.40	-0.000212	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	0.60	0.000319	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-30	-0.10	-0.000052	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	0.20	0.000105	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-10	0.30	0.000157	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	2.10	0.001102	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	10	1.50	0.000787	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	1.70	0.000892	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	1.50	0.000787	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	0.90	0.000472	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	1.40	0.000735	±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	-20	0.80	0.000430	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-10	-1.20	-0.000645	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	-0.10	-0.000054	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	2.50	0.001344	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	2.20	0.001183	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	2.10	0.001129	±2.5	PASS



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Band25	20MHz	16QAM	26140	100RB#0	NV	40	0.10	0.000054	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	50	0.00	0.000000	±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	-0.20	-0.000106	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-10	1.80	0.000956	±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	1.10	0.000584	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	2.00	0.001062	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	1.20	0.000637	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	0.20	0.000106	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	1.90	0.001009	±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	-20	1.20	0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-10	0.70	0.000367	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	1.80	0.000945	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	3.30	0.001732	±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	2.30	0.001207	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	40	1.10	0.000577	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	-0.70	-0.000367	±2.5	PASS



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