



Appendix B

E-UTRA BAND 25



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1 Effective (Isotropic) Radiated Power Output Data

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
BAND25	1.4MHz	QPSK	26047	1RB#0	23.72	27.72	33.00	PASS
BAND25	1.4MHz	QPSK	26047	1RB#2	23.69	27.69	33.00	PASS
BAND25	1.4MHz	QPSK	26047	1RB#5	23.77	27.77	33.00	PASS
BAND25	1.4MHz	QPSK	26047	3RB#0	23.62	27.62	33.00	PASS
BAND25	1.4MHz	QPSK	26047	3RB#1	23.61	27.61	33.00	PASS
BAND25	1.4MHz	QPSK	26047	3RB#3	23.64	27.64	33.00	PASS
BAND25	1.4MHz	QPSK	26047	6RB#0	22.67	26.67	33.00	PASS
BAND25	1.4MHz	QPSK	26365	1RB#0	23.65	27.65	33.00	PASS
BAND25	1.4MHz	QPSK	26365	1RB#2	23.65	27.65	33.00	PASS
BAND25	1.4MHz	QPSK	26365	1RB#5	23.68	27.68	33.00	PASS
BAND25	1.4MHz	QPSK	26365	3RB#0	23.55	27.55	33.00	PASS
BAND25	1.4MHz	QPSK	26365	3RB#1	23.55	27.55	33.00	PASS
BAND25	1.4MHz	QPSK	26365	3RB#3	23.55	27.55	33.00	PASS
BAND25	1.4MHz	QPSK	26365	6RB#0	22.55	26.55	33.00	PASS
BAND25	1.4MHz	QPSK	26683	1RB#0	23.55	27.55	33.00	PASS
BAND25	1.4MHz	QPSK	26683	1RB#2	23.49	27.49	33.00	PASS
BAND25	1.4MHz	QPSK	26683	1RB#5	23.55	27.55	33.00	PASS
BAND25	1.4MHz	QPSK	26683	3RB#0	23.43	27.43	33.00	PASS
BAND25	1.4MHz	QPSK	26683	3RB#1	23.40	27.40	33.00	PASS
BAND25	1.4MHz	QPSK	26683	3RB#3	23.40	27.40	33.00	PASS
BAND25	1.4MHz	QPSK	26683	6RB#0	22.43	26.43	33.00	PASS
BAND25	1.4MHz	16QAM	26047	1RB#0	22.89	26.89	33.00	PASS
BAND25	1.4MHz	16QAM	26047	1RB#2	22.95	26.95	33.00	PASS
BAND25	1.4MHz	16QAM	26047	1RB#5	22.95	26.95	33.00	PASS
BAND25	1.4MHz	16QAM	26047	3RB#0	22.78	26.78	33.00	PASS
BAND25	1.4MHz	16QAM	26047	3RB#1	22.77	26.77	33.00	PASS
BAND25	1.4MHz	16QAM	26047	3RB#3	22.81	26.81	33.00	PASS
BAND25	1.4MHz	16QAM	26047	6RB#0	21.67	25.67	33.00	PASS
BAND25	1.4MHz	16QAM	26365	1RB#0	22.91	26.91	33.00	PASS
BAND25	1.4MHz	16QAM	26365	1RB#2	22.79	26.79	33.00	PASS
BAND25	1.4MHz	16QAM	26365	1RB#5	22.87	26.87	33.00	PASS
BAND25	1.4MHz	16QAM	26365	3RB#0	22.68	26.68	33.00	PASS
BAND25	1.4MHz	16QAM	26365	3RB#1	22.70	26.70	33.00	PASS
BAND25	1.4MHz	16QAM	26365	3RB#3	22.67	26.67	33.00	PASS
BAND25	1.4MHz	16QAM	26365	6RB#0	21.57	25.57	33.00	PASS
BAND25	1.4MHz	16QAM	26683	1RB#0	22.64	26.64	33.00	PASS
BAND25	1.4MHz	16QAM	26683	1RB#2	22.74	26.74	33.00	PASS
BAND25	1.4MHz	16QAM	26683	1RB#5	22.59	26.59	33.00	PASS
BAND25	1.4MHz	16QAM	26683	3RB#0	22.50	26.50	33.00	PASS
BAND25	1.4MHz	16QAM	26683	3RB#1	22.55	26.55	33.00	PASS
BAND25	1.4MHz	16QAM	26683	3RB#3	22.49	26.49	33.00	PASS
BAND25	1.4MHz	16QAM	26683	6RB#0	21.34	25.34	33.00	PASS
BAND25	1.4MHz	64QAM	26047	1RB#0	21.89	25.89	33.00	PASS

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BAND25	1.4MHz	64QAM	26047	1RB#2	21.88	25.88	33.00	PASS
BAND25	1.4MHz	64QAM	26047	1RB#5	21.94	25.94	33.00	PASS
BAND25	1.4MHz	64QAM	26047	3RB#0	21.66	25.66	33.00	PASS
BAND25	1.4MHz	64QAM	26047	3RB#1	21.69	25.69	33.00	PASS
BAND25	1.4MHz	64QAM	26047	3RB#3	21.70	25.70	33.00	PASS
BAND25	1.4MHz	64QAM	26047	6RB#0	20.63	24.63	33.00	PASS
BAND25	1.4MHz	64QAM	26365	1RB#0	21.82	25.82	33.00	PASS
BAND25	1.4MHz	64QAM	26365	1RB#2	21.83	25.83	33.00	PASS
BAND25	1.4MHz	64QAM	26365	1RB#5	21.78	25.78	33.00	PASS
BAND25	1.4MHz	64QAM	26365	3RB#0	21.65	25.65	33.00	PASS
BAND25	1.4MHz	64QAM	26365	3RB#1	21.65	25.65	33.00	PASS
BAND25	1.4MHz	64QAM	26365	3RB#3	21.63	25.63	33.00	PASS
BAND25	1.4MHz	64QAM	26365	6RB#0	20.53	24.53	33.00	PASS
BAND25	1.4MHz	64QAM	26683	1RB#0	21.72	25.72	33.00	PASS
BAND25	1.4MHz	64QAM	26683	1RB#2	21.61	25.61	33.00	PASS
BAND25	1.4MHz	64QAM	26683	1RB#5	21.76	25.76	33.00	PASS
BAND25	1.4MHz	64QAM	26683	3RB#0	21.43	25.43	33.00	PASS
BAND25	1.4MHz	64QAM	26683	3RB#1	21.51	25.51	33.00	PASS
BAND25	1.4MHz	64QAM	26683	3RB#3	21.45	25.45	33.00	PASS
BAND25	1.4MHz	64QAM	26683	6RB#0	20.36	24.36	33.00	PASS
BAND25	3MHz	QPSK	26055	1RB#0	23.65	27.65	33.00	PASS
BAND25	3MHz	QPSK	26055	1RB#8	23.74	27.74	33.00	PASS
BAND25	3MHz	QPSK	26055	1RB#14	23.73	27.73	33.00	PASS
BAND25	3MHz	QPSK	26055	8RB#0	22.64	26.64	33.00	PASS
BAND25	3MHz	QPSK	26055	8RB#4	22.64	26.64	33.00	PASS
BAND25	3MHz	QPSK	26055	8RB#7	22.67	26.67	33.00	PASS
BAND25	3MHz	QPSK	26055	15RB#0	22.65	26.65	33.00	PASS
BAND25	3MHz	QPSK	26365	1RB#0	23.63	27.63	33.00	PASS
BAND25	3MHz	QPSK	26365	1RB#8	23.65	27.65	33.00	PASS
BAND25	3MHz	QPSK	26365	1RB#14	23.57	27.57	33.00	PASS
BAND25	3MHz	QPSK	26365	8RB#0	22.53	26.53	33.00	PASS
BAND25	3MHz	QPSK	26365	8RB#4	22.50	26.50	33.00	PASS
BAND25	3MHz	QPSK	26365	8RB#7	22.52	26.52	33.00	PASS
BAND25	3MHz	QPSK	26365	15RB#0	22.52	26.52	33.00	PASS
BAND25	3MHz	QPSK	26675	1RB#0	23.37	27.37	33.00	PASS
BAND25	3MHz	QPSK	26675	1RB#8	23.53	27.53	33.00	PASS
BAND25	3MHz	QPSK	26675	1RB#14	23.50	27.50	33.00	PASS
BAND25	3MHz	QPSK	26675	8RB#0	22.28	26.28	33.00	PASS
BAND25	3MHz	QPSK	26675	8RB#4	22.37	26.37	33.00	PASS
BAND25	3MHz	QPSK	26675	8RB#7	22.38	26.38	33.00	PASS
BAND25	3MHz	QPSK	26675	15RB#0	22.40	26.40	33.00	PASS
BAND25	3MHz	16QAM	26055	1RB#0	22.98	26.98	33.00	PASS
BAND25	3MHz	16QAM	26055	1RB#8	22.94	26.94	33.00	PASS
BAND25	3MHz	16QAM	26055	1RB#14	22.86	26.86	33.00	PASS
BAND25	3MHz	16QAM	26055	8RB#0	21.63	25.63	33.00	PASS
BAND25	3MHz	16QAM	26055	8RB#4	21.61	25.61	33.00	PASS
BAND25	3MHz	16QAM	26055	8RB#7	21.65	25.65	33.00	PASS
BAND25	3MHz	16QAM	26055	15RB#0	21.59	25.59	33.00	PASS
BAND25	3MHz	16QAM	26365	1RB#0	22.82	26.82	33.00	PASS
BAND25	3MHz	16QAM	26365	1RB#8	22.82	26.82	33.00	PASS
BAND25	3MHz	16QAM	26365	1RB#14	22.69	26.69	33.00	PASS
BAND25	3MHz	16QAM	26365	8RB#0	21.44	25.44	33.00	PASS
BAND25	3MHz	16QAM	26365	8RB#4	21.49	25.49	33.00	PASS

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BAND25	3MHz	16QAM	26365	8RB#7	21.50	25.50	33.00	PASS
BAND25	3MHz	16QAM	26365	15RB#0	21.45	25.45	33.00	PASS
BAND25	3MHz	16QAM	26675	1RB#0	22.49	26.49	33.00	PASS
BAND25	3MHz	16QAM	26675	1RB#8	22.64	26.64	33.00	PASS
BAND25	3MHz	16QAM	26675	1RB#14	22.50	26.50	33.00	PASS
BAND25	3MHz	16QAM	26675	8RB#0	21.17	25.17	33.00	PASS
BAND25	3MHz	16QAM	26675	8RB#4	21.27	25.27	33.00	PASS
BAND25	3MHz	16QAM	26675	8RB#7	21.30	25.30	33.00	PASS
BAND25	3MHz	16QAM	26675	15RB#0	21.27	25.27	33.00	PASS
BAND25	3MHz	64QAM	26055	1RB#0	21.84	25.84	33.00	PASS
BAND25	3MHz	64QAM	26055	1RB#8	21.96	25.96	33.00	PASS
BAND25	3MHz	64QAM	26055	1RB#14	21.89	25.89	33.00	PASS
BAND25	3MHz	64QAM	26055	8RB#0	20.65	24.65	33.00	PASS
BAND25	3MHz	64QAM	26055	8RB#4	20.59	24.59	33.00	PASS
BAND25	3MHz	64QAM	26055	8RB#7	20.65	24.65	33.00	PASS
BAND25	3MHz	64QAM	26055	15RB#0	20.60	24.60	33.00	PASS
BAND25	3MHz	64QAM	26365	1RB#0	21.87	25.87	33.00	PASS
BAND25	3MHz	64QAM	26365	1RB#8	21.87	25.87	33.00	PASS
BAND25	3MHz	64QAM	26365	1RB#14	21.86	25.86	33.00	PASS
BAND25	3MHz	64QAM	26365	8RB#0	20.50	24.50	33.00	PASS
BAND25	3MHz	64QAM	26365	8RB#4	20.53	24.53	33.00	PASS
BAND25	3MHz	64QAM	26365	8RB#7	20.54	24.54	33.00	PASS
BAND25	3MHz	64QAM	26365	15RB#0	20.49	24.49	33.00	PASS
BAND25	3MHz	64QAM	26675	1RB#0	21.56	25.56	33.00	PASS
BAND25	3MHz	64QAM	26675	1RB#8	21.70	25.70	33.00	PASS
BAND25	3MHz	64QAM	26675	1RB#14	21.76	25.76	33.00	PASS
BAND25	3MHz	64QAM	26675	8RB#0	20.22	24.22	33.00	PASS
BAND25	3MHz	64QAM	26675	8RB#4	20.29	24.29	33.00	PASS
BAND25	3MHz	64QAM	26675	8RB#7	20.31	24.31	33.00	PASS
BAND25	3MHz	64QAM	26675	15RB#0	20.30	24.30	33.00	PASS
BAND25	5MHz	QPSK	26065	1RB#0	23.81	27.81	33.00	PASS
BAND25	5MHz	QPSK	26065	1RB#12	23.83	27.83	33.00	PASS
BAND25	5MHz	QPSK	26065	1RB#24	23.91	27.91	33.00	PASS
BAND25	5MHz	QPSK	26065	12RB#0	22.80	26.80	33.00	PASS
BAND25	5MHz	QPSK	26065	12RB#13	22.87	26.87	33.00	PASS
BAND25	5MHz	QPSK	26065	12RB#6	22.82	26.82	33.00	PASS
BAND25	5MHz	QPSK	26065	25RB#0	22.82	26.82	33.00	PASS
BAND25	5MHz	QPSK	26365	1RB#0	23.76	27.76	33.00	PASS
BAND25	5MHz	QPSK	26365	1RB#12	23.72	27.72	33.00	PASS
BAND25	5MHz	QPSK	26365	1RB#24	23.68	27.68	33.00	PASS
BAND25	5MHz	QPSK	26365	12RB#0	22.74	26.74	33.00	PASS
BAND25	5MHz	QPSK	26365	12RB#13	22.63	26.63	33.00	PASS
BAND25	5MHz	QPSK	26365	12RB#6	22.68	26.68	33.00	PASS
BAND25	5MHz	QPSK	26365	25RB#0	22.66	26.66	33.00	PASS
BAND25	5MHz	QPSK	26665	1RB#0	23.46	27.46	33.00	PASS
BAND25	5MHz	QPSK	26665	1RB#12	23.46	27.46	33.00	PASS
BAND25	5MHz	QPSK	26665	1RB#24	23.62	27.62	33.00	PASS
BAND25	5MHz	QPSK	26665	12RB#0	22.40	26.40	33.00	PASS
BAND25	5MHz	QPSK	26665	12RB#13	22.48	26.48	33.00	PASS
BAND25	5MHz	QPSK	26665	12RB#6	22.39	26.39	33.00	PASS
BAND25	5MHz	QPSK	26665	25RB#0	22.39	26.39	33.00	PASS
BAND25	5MHz	16QAM	26065	1RB#0	22.97	26.97	33.00	PASS
BAND25	5MHz	16QAM	26065	1RB#12	22.89	26.89	33.00	PASS

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BAND25	5MHz	16QAM	26065	1RB#24	22.96	26.96	33.00	PASS
BAND25	5MHz	16QAM	26065	12RB#0	21.80	25.80	33.00	PASS
BAND25	5MHz	16QAM	26065	12RB#13	21.88	25.88	33.00	PASS
BAND25	5MHz	16QAM	26065	12RB#6	21.82	25.82	33.00	PASS
BAND25	5MHz	16QAM	26065	25RB#0	21.80	25.80	33.00	PASS
BAND25	5MHz	16QAM	26365	1RB#0	22.95	26.95	33.00	PASS
BAND25	5MHz	16QAM	26365	1RB#12	22.99	26.99	33.00	PASS
BAND25	5MHz	16QAM	26365	1RB#24	22.90	26.90	33.00	PASS
BAND25	5MHz	16QAM	26365	12RB#0	21.76	25.76	33.00	PASS
BAND25	5MHz	16QAM	26365	12RB#13	21.66	25.66	33.00	PASS
BAND25	5MHz	16QAM	26365	12RB#6	21.66	25.66	33.00	PASS
BAND25	5MHz	16QAM	26365	25RB#0	21.64	25.64	33.00	PASS
BAND25	5MHz	16QAM	26665	1RB#0	22.60	26.60	33.00	PASS
BAND25	5MHz	16QAM	26665	1RB#12	22.52	26.52	33.00	PASS
BAND25	5MHz	16QAM	26665	1RB#24	22.74	26.74	33.00	PASS
BAND25	5MHz	16QAM	26665	12RB#0	21.39	25.39	33.00	PASS
BAND25	5MHz	16QAM	26665	12RB#13	21.41	25.41	33.00	PASS
BAND25	5MHz	16QAM	26665	12RB#6	21.34	25.34	33.00	PASS
BAND25	5MHz	16QAM	26665	25RB#0	21.35	25.35	33.00	PASS
BAND25	5MHz	64QAM	26065	1RB#0	21.98	25.98	33.00	PASS
BAND25	5MHz	64QAM	26065	1RB#12	21.92	25.92	33.00	PASS
BAND25	5MHz	64QAM	26065	1RB#24	21.89	25.89	33.00	PASS
BAND25	5MHz	64QAM	26065	12RB#0	20.82	24.82	33.00	PASS
BAND25	5MHz	64QAM	26065	12RB#13	20.93	24.93	33.00	PASS
BAND25	5MHz	64QAM	26065	12RB#6	20.85	24.85	33.00	PASS
BAND25	5MHz	64QAM	26065	25RB#0	20.82	24.82	33.00	PASS
BAND25	5MHz	64QAM	26365	1RB#0	21.93	25.93	33.00	PASS
BAND25	5MHz	64QAM	26365	1RB#12	21.86	25.86	33.00	PASS
BAND25	5MHz	64QAM	26365	1RB#24	21.92	25.92	33.00	PASS
BAND25	5MHz	64QAM	26365	12RB#0	20.78	24.78	33.00	PASS
BAND25	5MHz	64QAM	26365	12RB#13	20.65	24.65	33.00	PASS
BAND25	5MHz	64QAM	26365	12RB#6	20.70	24.70	33.00	PASS
BAND25	5MHz	64QAM	26365	25RB#0	20.70	24.70	33.00	PASS
BAND25	5MHz	64QAM	26665	1RB#0	21.78	25.78	33.00	PASS
BAND25	5MHz	64QAM	26665	1RB#12	21.59	25.59	33.00	PASS
BAND25	5MHz	64QAM	26665	1RB#24	21.88	25.88	33.00	PASS
BAND25	5MHz	64QAM	26665	12RB#0	20.42	24.42	33.00	PASS
BAND25	5MHz	64QAM	26665	12RB#13	20.47	24.47	33.00	PASS
BAND25	5MHz	64QAM	26665	12RB#6	20.38	24.38	33.00	PASS
BAND25	5MHz	64QAM	26665	25RB#0	20.39	24.39	33.00	PASS
BAND25	10MHz	QPSK	26090	1RB#0	23.88	27.88	33.00	PASS
BAND25	10MHz	QPSK	26090	1RB#24	23.88	27.88	33.00	PASS
BAND25	10MHz	QPSK	26090	1RB#49	23.85	27.85	33.00	PASS
BAND25	10MHz	QPSK	26090	25RB#0	22.85	26.85	33.00	PASS
BAND25	10MHz	QPSK	26090	25RB#12	22.97	26.97	33.00	PASS
BAND25	10MHz	QPSK	26090	25RB#25	22.97	26.97	33.00	PASS
BAND25	10MHz	QPSK	26090	50RB#0	22.97	26.97	33.00	PASS
BAND25	10MHz	QPSK	26365	1RB#0	23.77	27.77	33.00	PASS
BAND25	10MHz	QPSK	26365	1RB#24	23.77	27.77	33.00	PASS
BAND25	10MHz	QPSK	26365	1RB#49	23.71	27.71	33.00	PASS
BAND25	10MHz	QPSK	26365	25RB#0	22.86	26.86	33.00	PASS
BAND25	10MHz	QPSK	26365	25RB#12	22.82	26.82	33.00	PASS
BAND25	10MHz	QPSK	26365	25RB#25	22.81	26.81	33.00	PASS

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BAND25	10MHz	QPSK	26365	50RB#0	22.80	26.80	33.00	PASS
BAND25	10MHz	QPSK	26640	1RB#0	23.68	27.68	33.00	PASS
BAND25	10MHz	QPSK	26640	1RB#24	23.45	27.45	33.00	PASS
BAND25	10MHz	QPSK	26640	1RB#49	23.67	27.67	33.00	PASS
BAND25	10MHz	QPSK	26640	25RB#0	22.74	26.74	33.00	PASS
BAND25	10MHz	QPSK	26640	25RB#12	22.57	26.57	33.00	PASS
BAND25	10MHz	QPSK	26640	25RB#25	22.56	26.56	33.00	PASS
BAND25	10MHz	QPSK	26640	50RB#0	22.58	26.58	33.00	PASS
BAND25	10MHz	16QAM	26090	1RB#0	22.96	26.96	33.00	PASS
BAND25	10MHz	16QAM	26090	1RB#24	22.87	26.87	33.00	PASS
BAND25	10MHz	16QAM	26090	1RB#49	22.89	26.89	33.00	PASS
BAND25	10MHz	16QAM	26090	25RB#0	21.89	25.89	33.00	PASS
BAND25	10MHz	16QAM	26090	25RB#12	21.94	25.94	33.00	PASS
BAND25	10MHz	16QAM	26090	25RB#25	21.98	25.98	33.00	PASS
BAND25	10MHz	16QAM	26090	50RB#0	21.91	25.91	33.00	PASS
BAND25	10MHz	16QAM	26365	1RB#0	22.94	26.94	33.00	PASS
BAND25	10MHz	16QAM	26365	1RB#24	22.95	26.95	33.00	PASS
BAND25	10MHz	16QAM	26365	1RB#49	22.91	26.91	33.00	PASS
BAND25	10MHz	16QAM	26365	25RB#0	21.94	25.94	33.00	PASS
BAND25	10MHz	16QAM	26365	25RB#12	21.88	25.88	33.00	PASS
BAND25	10MHz	16QAM	26365	25RB#25	21.85	25.85	33.00	PASS
BAND25	10MHz	16QAM	26365	50RB#0	21.84	25.84	33.00	PASS
BAND25	10MHz	16QAM	26640	1RB#0	22.94	26.94	33.00	PASS
BAND25	10MHz	16QAM	26640	1RB#24	22.69	26.69	33.00	PASS
BAND25	10MHz	16QAM	26640	1RB#49	22.92	26.92	33.00	PASS
BAND25	10MHz	16QAM	26640	25RB#0	21.81	25.81	33.00	PASS
BAND25	10MHz	16QAM	26640	25RB#12	21.65	25.65	33.00	PASS
BAND25	10MHz	16QAM	26640	25RB#25	21.60	25.60	33.00	PASS
BAND25	10MHz	16QAM	26640	50RB#0	21.61	25.61	33.00	PASS
BAND25	10MHz	64QAM	26090	1RB#0	21.92	25.92	33.00	PASS
BAND25	10MHz	64QAM	26090	1RB#24	21.94	25.94	33.00	PASS
BAND25	10MHz	64QAM	26090	1RB#49	21.96	25.96	33.00	PASS
BAND25	10MHz	64QAM	26090	25RB#0	20.89	24.89	33.00	PASS
BAND25	10MHz	64QAM	26090	25RB#12	20.93	24.93	33.00	PASS
BAND25	10MHz	64QAM	26090	25RB#25	20.88	24.88	33.00	PASS
BAND25	10MHz	64QAM	26090	50RB#0	20.87	24.87	33.00	PASS
BAND25	10MHz	64QAM	26365	1RB#0	21.91	25.91	33.00	PASS
BAND25	10MHz	64QAM	26365	1RB#24	21.92	25.92	33.00	PASS
BAND25	10MHz	64QAM	26365	1RB#49	21.96	25.96	33.00	PASS
BAND25	10MHz	64QAM	26365	25RB#0	20.95	24.95	33.00	PASS
BAND25	10MHz	64QAM	26365	25RB#12	20.94	24.94	33.00	PASS
BAND25	10MHz	64QAM	26365	25RB#25	20.93	24.93	33.00	PASS
BAND25	10MHz	64QAM	26365	50RB#0	20.91	24.91	33.00	PASS
BAND25	10MHz	64QAM	26640	1RB#0	21.96	25.96	33.00	PASS
BAND25	10MHz	64QAM	26640	1RB#24	21.77	25.77	33.00	PASS
BAND25	10MHz	64QAM	26640	1RB#49	21.83	25.83	33.00	PASS
BAND25	10MHz	64QAM	26640	25RB#0	20.86	24.86	33.00	PASS
BAND25	10MHz	64QAM	26640	25RB#12	20.66	24.66	33.00	PASS
BAND25	10MHz	64QAM	26640	25RB#25	20.65	24.65	33.00	PASS
BAND25	10MHz	64QAM	26640	50RB#0	20.67	24.67	33.00	PASS
BAND25	15MHz	QPSK	26115	1RB#0	23.84	27.84	33.00	PASS
BAND25	15MHz	QPSK	26115	1RB#38	23.88	27.88	33.00	PASS
BAND25	15MHz	QPSK	26115	1RB#74	23.66	27.66	33.00	PASS

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BAND25	15MHz	QPSK	26115	36RB#0	22.98	26.98	33.00	PASS
BAND25	15MHz	QPSK	26115	36RB#18	22.89	26.89	33.00	PASS
BAND25	15MHz	QPSK	26115	36RB#39	22.89	26.89	33.00	PASS
BAND25	15MHz	QPSK	26115	75RB#0	22.94	26.94	33.00	PASS
BAND25	15MHz	QPSK	26365	1RB#0	23.71	27.71	33.00	PASS
BAND25	15MHz	QPSK	26365	1RB#38	23.80	27.80	33.00	PASS
BAND25	15MHz	QPSK	26365	1RB#74	23.66	27.66	33.00	PASS
BAND25	15MHz	QPSK	26365	36RB#0	22.84	26.84	33.00	PASS
BAND25	15MHz	QPSK	26365	36RB#18	22.85	26.85	33.00	PASS
BAND25	15MHz	QPSK	26365	36RB#39	22.74	26.74	33.00	PASS
BAND25	15MHz	QPSK	26365	75RB#0	22.81	26.81	33.00	PASS
BAND25	15MHz	QPSK	26615	1RB#0	23.78	27.78	33.00	PASS
BAND25	15MHz	QPSK	26615	1RB#38	23.61	27.61	33.00	PASS
BAND25	15MHz	QPSK	26615	1RB#74	23.67	27.67	33.00	PASS
BAND25	15MHz	QPSK	26615	36RB#0	22.80	26.80	33.00	PASS
BAND25	15MHz	QPSK	26615	36RB#18	22.77	26.77	33.00	PASS
BAND25	15MHz	QPSK	26615	36RB#39	22.59	26.59	33.00	PASS
BAND25	15MHz	QPSK	26615	75RB#0	22.73	26.73	33.00	PASS
BAND25	15MHz	16QAM	26115	1RB#0	22.96	26.96	33.00	PASS
BAND25	15MHz	16QAM	26115	1RB#38	22.89	26.89	33.00	PASS
BAND25	15MHz	16QAM	26115	1RB#74	22.88	26.88	33.00	PASS
BAND25	15MHz	16QAM	26115	36RB#0	21.93	25.93	33.00	PASS
BAND25	15MHz	16QAM	26115	36RB#18	21.91	25.91	33.00	PASS
BAND25	15MHz	16QAM	26115	36RB#39	21.96	25.96	33.00	PASS
BAND25	15MHz	16QAM	26115	75RB#0	21.89	25.89	33.00	PASS
BAND25	15MHz	16QAM	26365	1RB#0	22.90	26.90	33.00	PASS
BAND25	15MHz	16QAM	26365	1RB#38	22.94	26.94	33.00	PASS
BAND25	15MHz	16QAM	26365	1RB#74	22.88	26.88	33.00	PASS
BAND25	15MHz	16QAM	26365	36RB#0	21.90	25.90	33.00	PASS
BAND25	15MHz	16QAM	26365	36RB#18	21.89	25.89	33.00	PASS
BAND25	15MHz	16QAM	26365	36RB#39	21.82	25.82	33.00	PASS
BAND25	15MHz	16QAM	26365	75RB#0	21.83	25.83	33.00	PASS
BAND25	15MHz	16QAM	26615	1RB#0	22.93	26.93	33.00	PASS
BAND25	15MHz	16QAM	26615	1RB#38	22.86	26.86	33.00	PASS
BAND25	15MHz	16QAM	26615	1RB#74	22.90	26.90	33.00	PASS
BAND25	15MHz	16QAM	26615	36RB#0	21.84	25.84	33.00	PASS
BAND25	15MHz	16QAM	26615	36RB#18	21.84	25.84	33.00	PASS
BAND25	15MHz	16QAM	26615	36RB#39	21.63	25.63	33.00	PASS
BAND25	15MHz	16QAM	26615	75RB#0	21.78	25.78	33.00	PASS
BAND25	15MHz	64QAM	26115	1RB#0	21.96	25.96	33.00	PASS
BAND25	15MHz	64QAM	26115	1RB#38	21.89	25.89	33.00	PASS
BAND25	15MHz	64QAM	26115	1RB#74	21.92	25.92	33.00	PASS
BAND25	15MHz	64QAM	26115	36RB#0	20.97	24.97	33.00	PASS
BAND25	15MHz	64QAM	26115	36RB#18	20.95	24.95	33.00	PASS
BAND25	15MHz	64QAM	26115	36RB#39	20.89	24.89	33.00	PASS
BAND25	15MHz	64QAM	26115	75RB#0	20.87	24.87	33.00	PASS
BAND25	15MHz	64QAM	26365	1RB#0	21.86	25.86	33.00	PASS
BAND25	15MHz	64QAM	26365	1RB#38	21.91	25.91	33.00	PASS
BAND25	15MHz	64QAM	26365	1RB#74	21.91	25.91	33.00	PASS
BAND25	15MHz	64QAM	26365	36RB#0	20.92	24.92	33.00	PASS
BAND25	15MHz	64QAM	26365	36RB#18	20.95	24.95	33.00	PASS
BAND25	15MHz	64QAM	26365	36RB#39	20.83	24.83	33.00	PASS
BAND25	15MHz	64QAM	26365	75RB#0	20.89	24.89	33.00	PASS

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BAND25	15MHz	64QAM	26615	1RB#0	21.92	25.92	33.00	PASS
BAND25	15MHz	64QAM	26615	1RB#38	21.89	25.89	33.00	PASS
BAND25	15MHz	64QAM	26615	1RB#74	21.91	25.91	33.00	PASS
BAND25	15MHz	64QAM	26615	36RB#0	20.88	24.88	33.00	PASS
BAND25	15MHz	64QAM	26615	36RB#18	20.87	24.87	33.00	PASS
BAND25	15MHz	64QAM	26615	36RB#39	20.70	24.70	33.00	PASS
BAND25	15MHz	64QAM	26615	75RB#0	20.80	24.80	33.00	PASS
BAND25	20MHz	QPSK	26140	1RB#0	23.93	27.93	33.00	PASS
BAND25	20MHz	QPSK	26140	1RB#49	23.84	27.84	33.00	PASS
BAND25	20MHz	QPSK	26140	1RB#99	23.65	27.65	33.00	PASS
BAND25	20MHz	QPSK	26140	50RB#0	22.89	26.89	33.00	PASS
BAND25	20MHz	QPSK	26140	50RB#25	22.87	26.87	33.00	PASS
BAND25	20MHz	QPSK	26140	50RB#50	22.76	26.76	33.00	PASS
BAND25	20MHz	QPSK	26140	100RB#0	22.84	26.84	33.00	PASS
BAND25	20MHz	QPSK	26365	1RB#0	23.66	27.66	33.00	PASS
BAND25	20MHz	QPSK	26365	1RB#49	23.78	27.78	33.00	PASS
BAND25	20MHz	QPSK	26365	1RB#99	23.63	27.63	33.00	PASS
BAND25	20MHz	QPSK	26365	50RB#0	22.82	26.82	33.00	PASS
BAND25	20MHz	QPSK	26365	50RB#25	22.83	26.83	33.00	PASS
BAND25	20MHz	QPSK	26365	50RB#50	22.73	26.73	33.00	PASS
BAND25	20MHz	QPSK	26365	100RB#0	22.80	26.80	33.00	PASS
BAND25	20MHz	QPSK	26590	1RB#0	23.72	27.72	33.00	PASS
BAND25	20MHz	QPSK	26590	1RB#49	23.71	27.71	33.00	PASS
BAND25	20MHz	QPSK	26590	1RB#99	23.72	27.72	33.00	PASS
BAND25	20MHz	QPSK	26590	50RB#0	22.83	26.83	33.00	PASS
BAND25	20MHz	QPSK	26590	50RB#25	22.77	26.77	33.00	PASS
BAND25	20MHz	QPSK	26590	50RB#50	22.64	26.64	33.00	PASS
BAND25	20MHz	QPSK	26590	100RB#0	22.76	26.76	33.00	PASS
BAND25	20MHz	16QAM	26140	1RB#0	22.89	26.89	33.00	PASS
BAND25	20MHz	16QAM	26140	1RB#49	22.91	26.91	33.00	PASS
BAND25	20MHz	16QAM	26140	1RB#99	22.95	26.95	33.00	PASS
BAND25	20MHz	16QAM	26140	50RB#0	21.87	25.87	33.00	PASS
BAND25	20MHz	16QAM	26140	50RB#25	21.91	25.91	33.00	PASS
BAND25	20MHz	16QAM	26140	50RB#50	21.83	25.83	33.00	PASS
BAND25	20MHz	16QAM	26140	100RB#0	21.88	25.88	33.00	PASS
BAND25	20MHz	16QAM	26365	1RB#0	22.86	26.86	33.00	PASS
BAND25	20MHz	16QAM	26365	1RB#49	22.92	26.92	33.00	PASS
BAND25	20MHz	16QAM	26365	1RB#99	22.79	26.79	33.00	PASS
BAND25	20MHz	16QAM	26365	50RB#0	21.88	25.88	33.00	PASS
BAND25	20MHz	16QAM	26365	50RB#25	21.86	25.86	33.00	PASS
BAND25	20MHz	16QAM	26365	50RB#50	21.78	25.78	33.00	PASS
BAND25	20MHz	16QAM	26365	100RB#0	21.84	25.84	33.00	PASS
BAND25	20MHz	16QAM	26590	1RB#0	22.77	26.77	33.00	PASS
BAND25	20MHz	16QAM	26590	1RB#49	22.99	26.99	33.00	PASS
BAND25	20MHz	16QAM	26590	1RB#99	22.68	26.68	33.00	PASS
BAND25	20MHz	16QAM	26590	50RB#0	21.88	25.88	33.00	PASS
BAND25	20MHz	16QAM	26590	50RB#25	21.86	25.86	33.00	PASS
BAND25	20MHz	16QAM	26590	50RB#50	21.66	25.66	33.00	PASS
BAND25	20MHz	16QAM	26590	100RB#0	21.79	25.79	33.00	PASS
BAND25	20MHz	64QAM	26140	1RB#0	21.92	25.92	33.00	PASS
BAND25	20MHz	64QAM	26140	1RB#49	21.94	25.94	33.00	PASS
BAND25	20MHz	64QAM	26140	1RB#99	21.98	25.98	33.00	PASS
BAND25	20MHz	64QAM	26140	50RB#0	20.89	24.89	33.00	PASS

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BAND25	20MHz	64QAM	26140	50RB#25	20.78	24.78	33.00	PASS
BAND25	20MHz	64QAM	26140	50RB#50	20.88	24.88	33.00	PASS
BAND25	20MHz	64QAM	26140	100RB#0	20.94	24.94	33.00	PASS
BAND25	20MHz	64QAM	26365	1RB#0	21.95	25.95	33.00	PASS
BAND25	20MHz	64QAM	26365	1RB#49	21.95	25.95	33.00	PASS
BAND25	20MHz	64QAM	26365	1RB#99	21.88	25.88	33.00	PASS
BAND25	20MHz	64QAM	26365	50RB#0	20.91	24.91	33.00	PASS
BAND25	20MHz	64QAM	26365	50RB#25	20.93	24.93	33.00	PASS
BAND25	20MHz	64QAM	26365	50RB#50	20.81	24.81	33.00	PASS
BAND25	20MHz	64QAM	26365	100RB#0	20.90	24.90	33.00	PASS
BAND25	20MHz	64QAM	26590	1RB#0	21.83	25.83	33.00	PASS
BAND25	20MHz	64QAM	26590	1RB#49	21.82	25.82	33.00	PASS
BAND25	20MHz	64QAM	26590	1RB#99	21.85	25.85	33.00	PASS
BAND25	20MHz	64QAM	26590	50RB#0	20.92	24.92	33.00	PASS
BAND25	20MHz	64QAM	26590	50RB#25	20.87	24.87	33.00	PASS
BAND25	20MHz	64QAM	26590	50RB#50	20.72	24.72	33.00	PASS
BAND25	20MHz	64QAM	26590	100RB#0	20.81	24.81	33.00	PASS

Note:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

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

b: SGP=Signal Generator Level

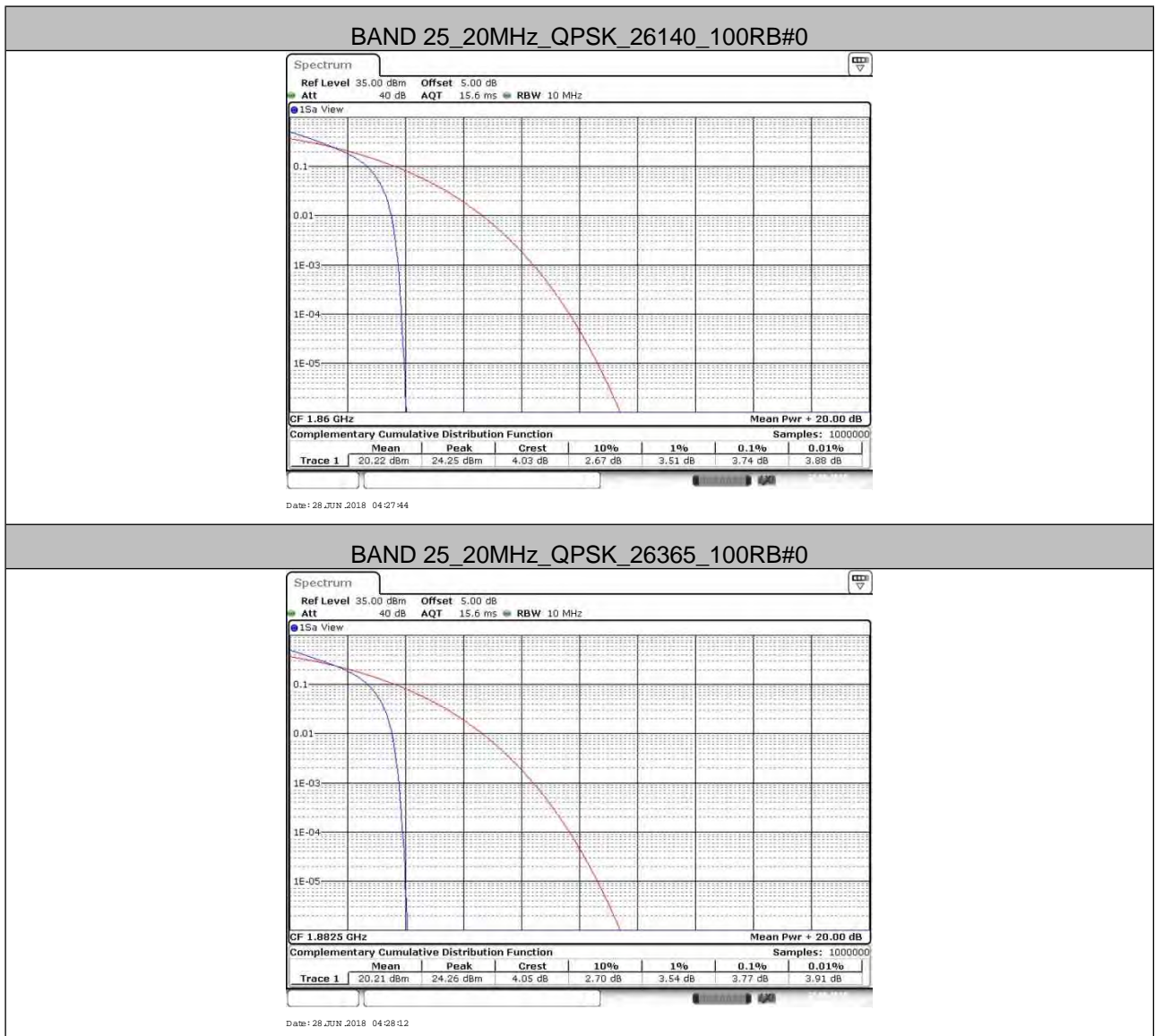


2 Peak-to-Average Ratio

2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND 25	20MHz	QPSK	26140	100RB#0	3.74	13	PASS
			26365	100RB#0	3.77	13	PASS
			26590	100RB#0	4.00	13	PASS
		16QAM	26140	100RB#0	5.54	13	PASS
			26365	100RB#0	5.54	13	PASS
			26590	100RB#0	5.54	13	PASS
		64QAM	26140	100RB#0	6.03	13	PASS
			26365	100RB#0	6.00	13	PASS
			26590	100RB#0	5.97	13	PASS

2.2. Test Plots



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BAND 25_20MHz_QPSK_26590_100RB#0



Date: 28 JUN 2018 04:28:38

BAND 25_20MHz_16QAM_26140_100RB#0



Date: 28 JUN 2018 04:27:52

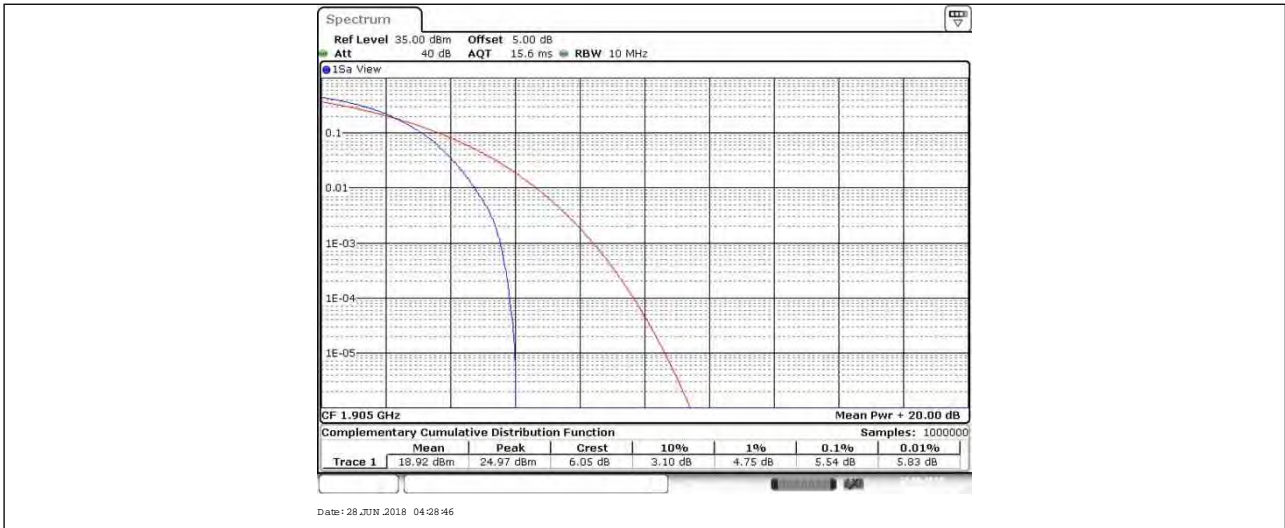
BAND 25_20MHz_16QAM_26365_100RB#0



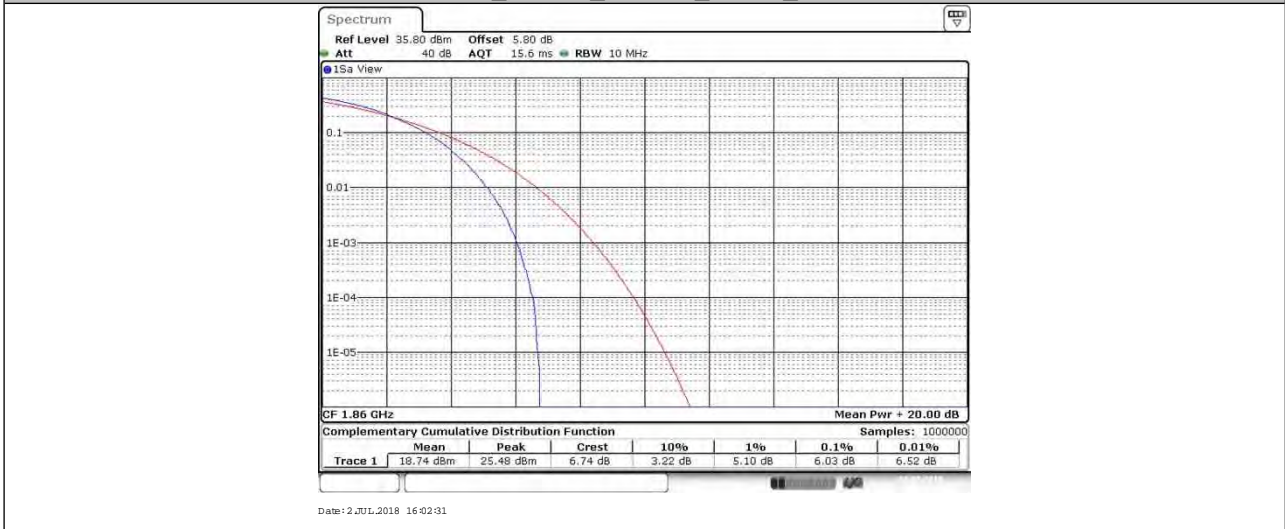
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BAND 25_20MHz_16QAM_26590_100RB#0

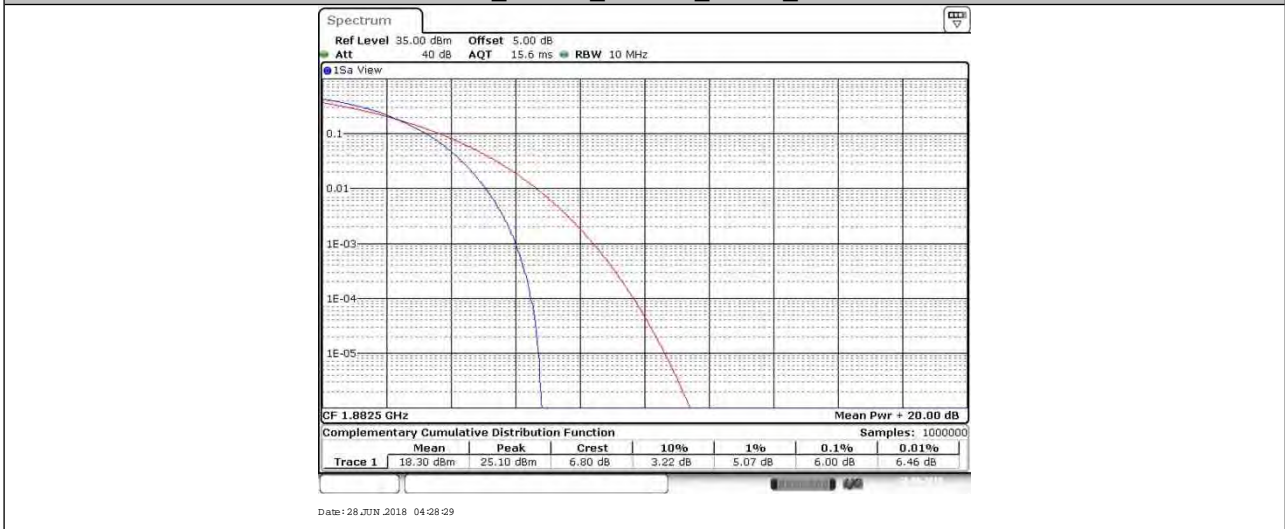
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BAND 25_20MHz_64QAM_26140_100RB#0

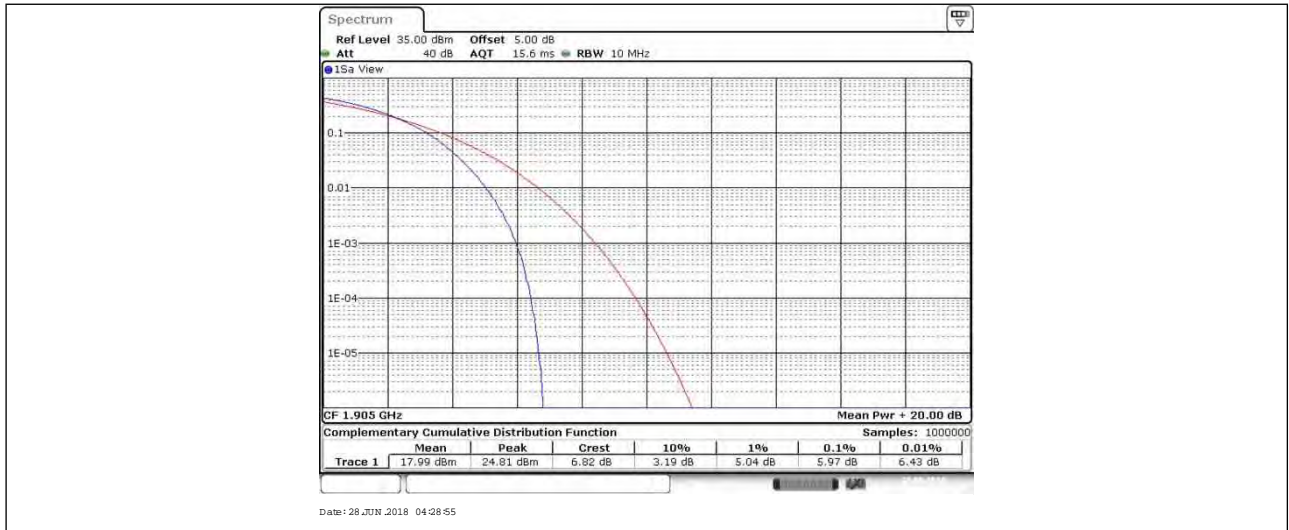


BAND 25_20MHz_64QAM_26365_100RB#0



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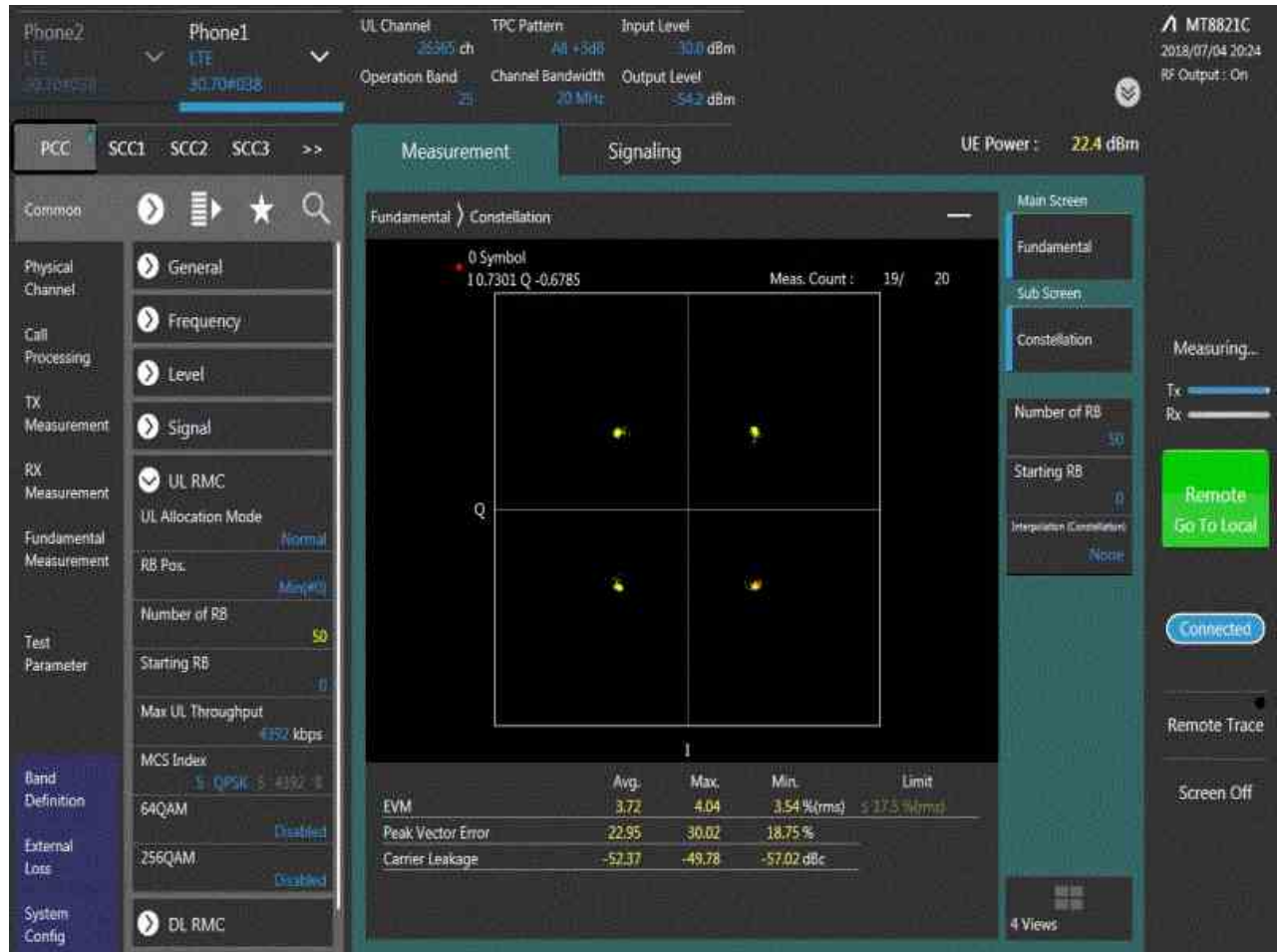
3 Modulation Characteristics

3.1. For LTE

3.1.1. Test BAND = LTE BAND 25

3.1.1.1 Test Mode = LTE /TM1 20MHz

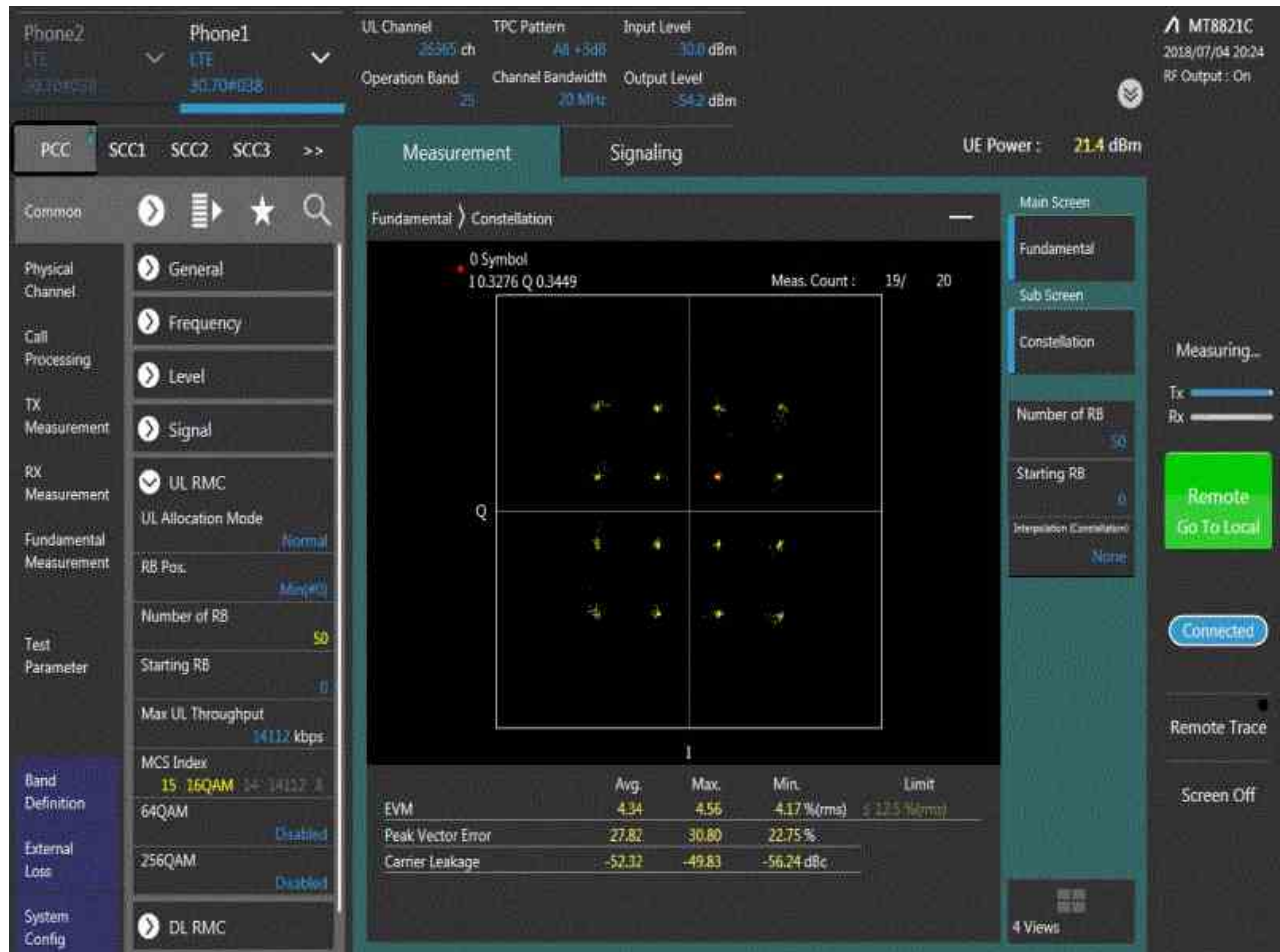
3.1.1.1.1 Test Channel = MCH



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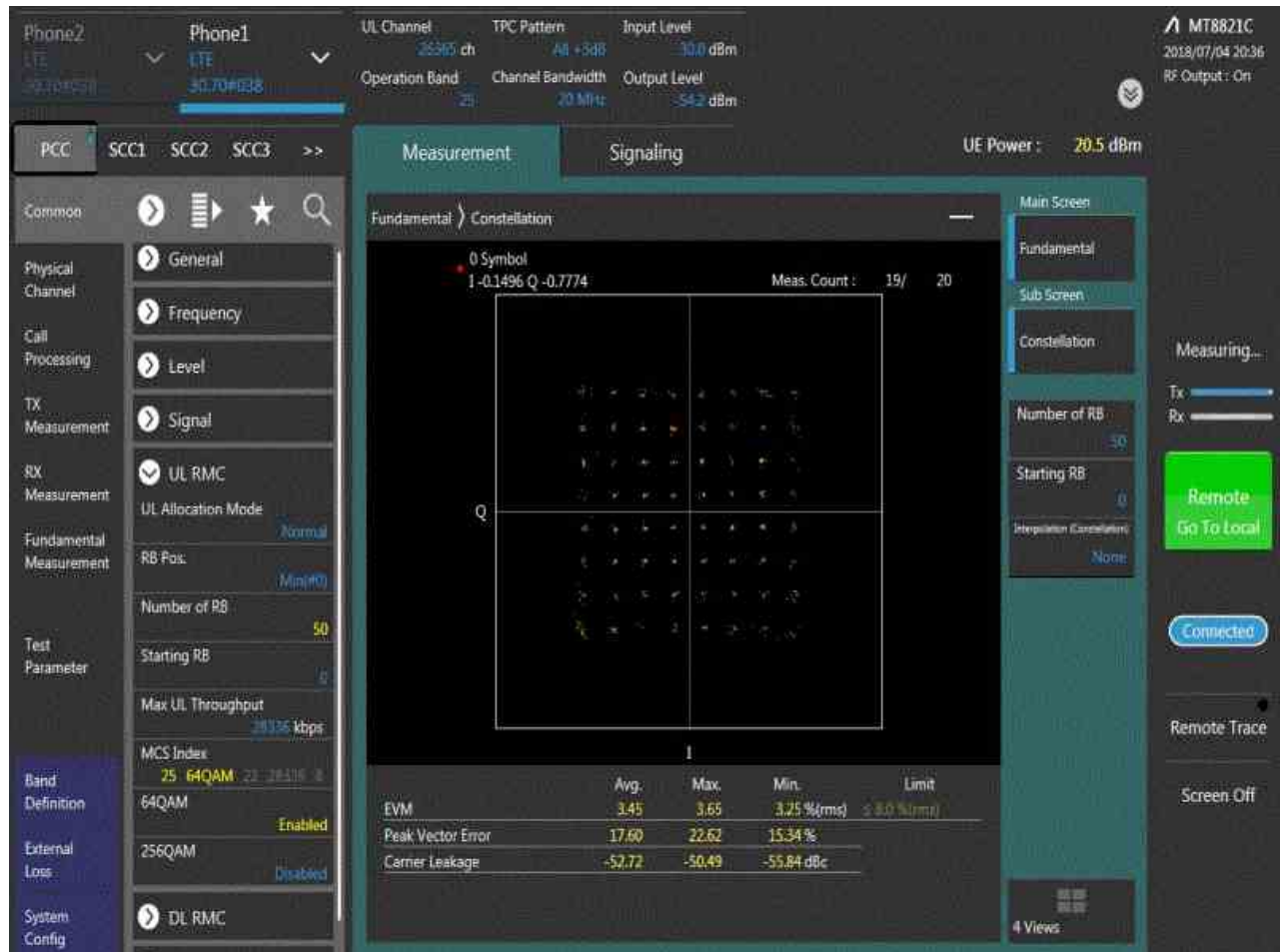
3.1.1.2 Test Mode = LTE /TM2 20MHz

3.1.1.2.1 Test Channel = MCH



3.1.1.3 Test Mode = LTE /TM3 20MHz

3.1.1.3.1 Test Channel = MCH





4 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND25	1.4MHz	QPSK	26047	6RB#0	1.085	1.251	PASS
			26365	6RB#0	1.091	1.260	PASS
			26683	6RB#0	1.091	1.266	PASS
		64QAM	26047	6RB#0	1.088	1.254	PASS
			26365	6RB#0	1.091	1.254	PASS
			26683	6RB#0	1.091	1.263	PASS
		16QAM	26047	6RB#0	1.091	1.254	PASS
			26365	6RB#0	1.094	1.269	PASS
			26683	6RB#0	1.091	1.266	PASS
	3MHz	QPSK	26055	15RB#0	2.685	2.976	PASS
			26365	15RB#0	2.691	3.006	PASS
			26675	15RB#0	2.691	3.180	PASS
		64QAM	26055	15RB#0	2.685	2.976	PASS
			26365	15RB#0	2.685	2.988	PASS
			26675	15RB#0	2.691	3.006	PASS
		16QAM	26055	15RB#0	2.685	2.988	PASS
			26365	15RB#0	2.685	2.988	PASS
			26675	15RB#0	2.691	3.066	PASS
	5MHz	QPSK	26065	25RB#0	4.466	4.860	PASS
			26365	25RB#0	4.456	4.890	PASS
			26665	25RB#0	4.466	5.120	PASS
		64QAM	26065	25RB#0	4.456	4.880	PASS
			26365	25RB#0	4.466	4.890	PASS
			26665	25RB#0	4.466	5.090	PASS
		16QAM	26065	25RB#0	4.456	4.860	PASS
			26365	25RB#0	4.466	4.910	PASS
			26665	25RB#0	4.466	5.960	PASS
	10MHz	QPSK	26090	50RB#0	8.951	10.160	PASS
			26365	50RB#0	8.951	10.380	PASS
			26640	50RB#0	8.931	10.460	PASS

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Shenzhen Branch**

Report No.: SZEM180500437001

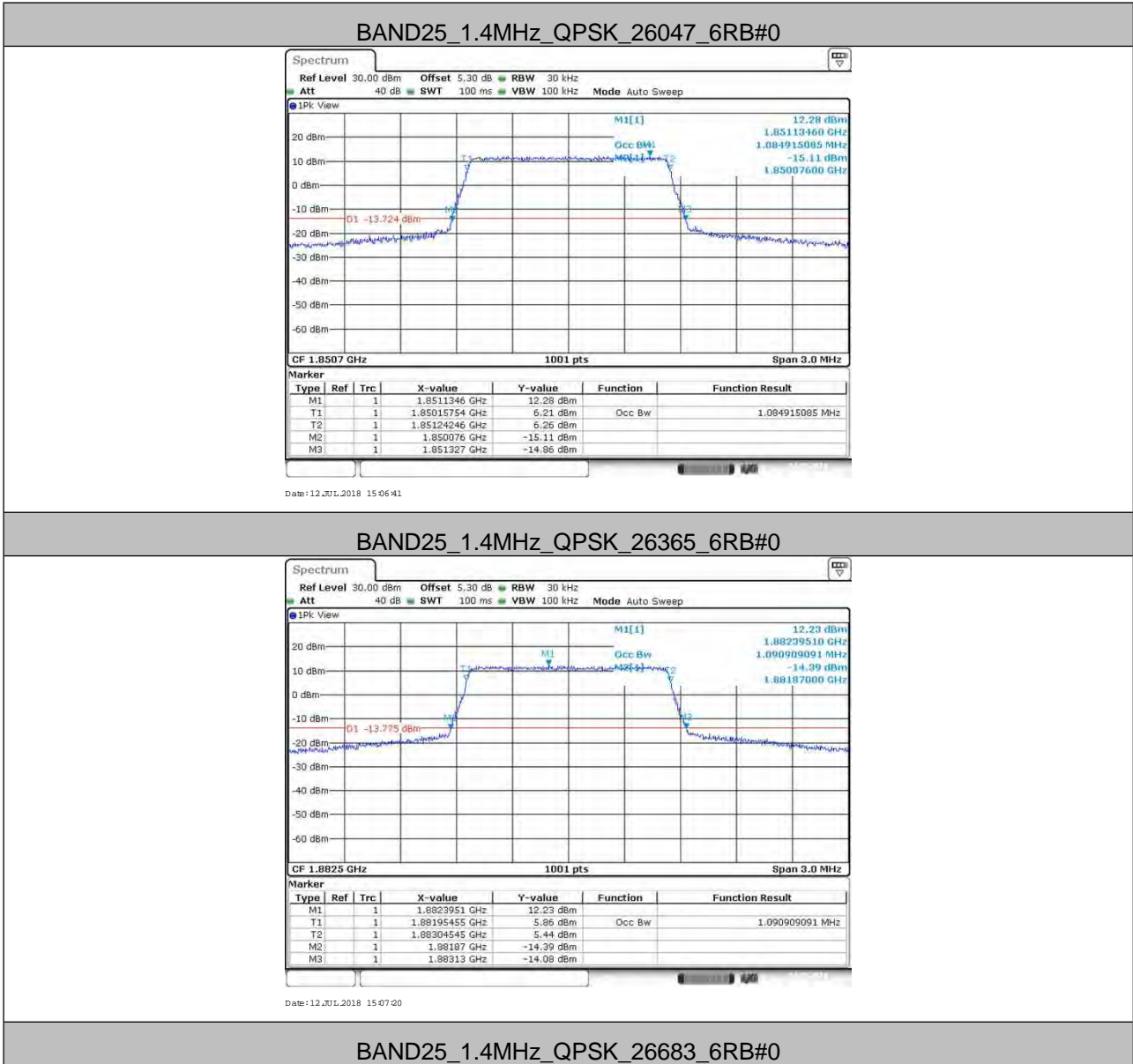
Page: 19 of 74

		64QAM	26090	50RB#0	8.931	10.140	PASS	
			26365	50RB#0	8.951	10.220	PASS	
			26640	50RB#0	8.951	10.340	PASS	
		16QAM	26090	50RB#0	8.931	10.200	PASS	
			26365	50RB#0	8.951	10.340	PASS	
			26640	50RB#0	8.951	10.660	PASS	
	15MHz	QPSK	26115	75RB#0	13.457	15.330	PASS	
			26365	75RB#0	13.457	15.390	PASS	
			26615	75RB#0	13.516	15.510	PASS	
		64QAM	26115	75RB#0	13.487	15.480	PASS	
			26365	75RB#0	13.457	15.390	PASS	
			26615	75RB#0	13.516	15.510	PASS	
		16QAM	26115	75RB#0	13.457	15.090	PASS	
			26365	75RB#0	13.487	15.480	PASS	
			26615	75RB#0	13.516	15.780	PASS	
		20MHz	QPSK	26140	100RB#0	17.902	19.640	PASS
				26365	100RB#0	17.902	19.720	PASS
				26590	100RB#0	17.942	19.720	PASS
	64QAM		26140	100RB#0	17.902	19.640	PASS	
			26365	100RB#0	17.902	19.720	PASS	
			26590	100RB#0	17.942	19.680	PASS	
	16QAM		26140	100RB#0	17.902	19.640	PASS	
			26365	100RB#0	17.902	19.760	PASS	
			26590	100RB#0	17.942	20.040	PASS	

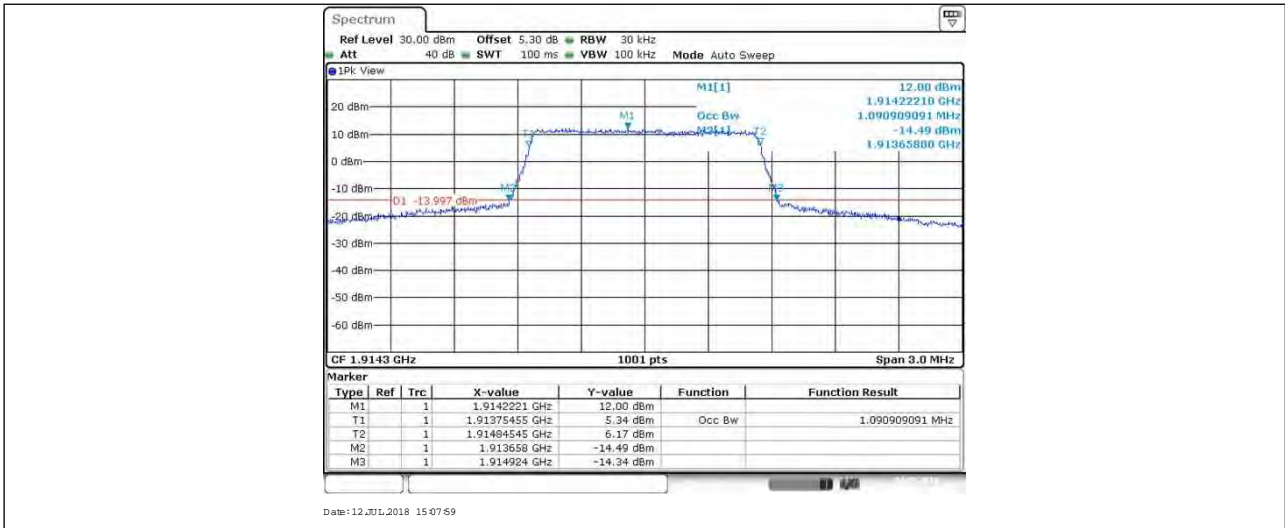
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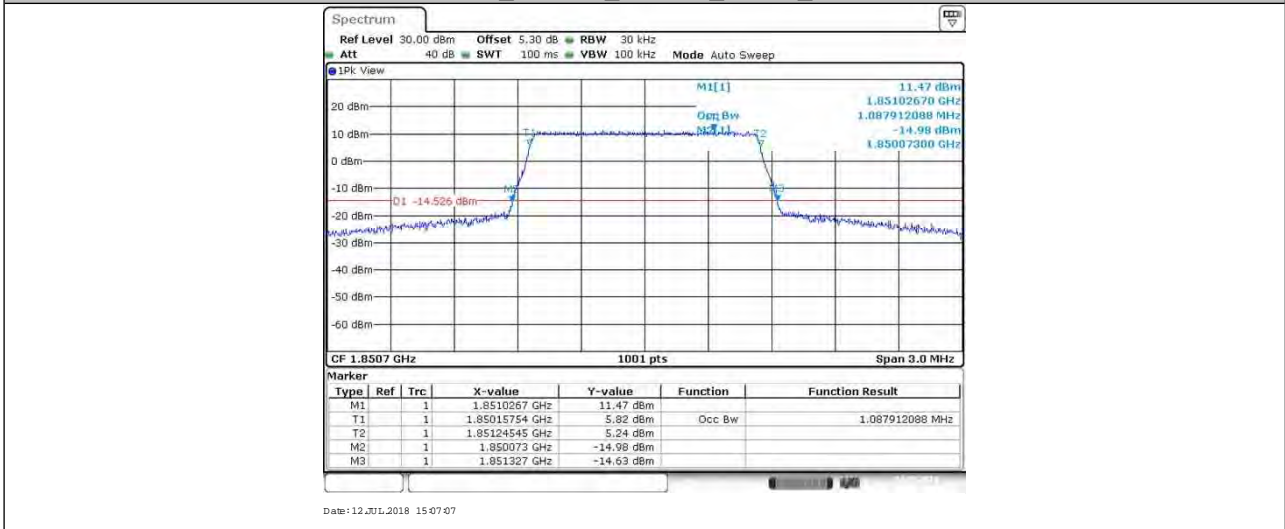
4.2. Test Plots



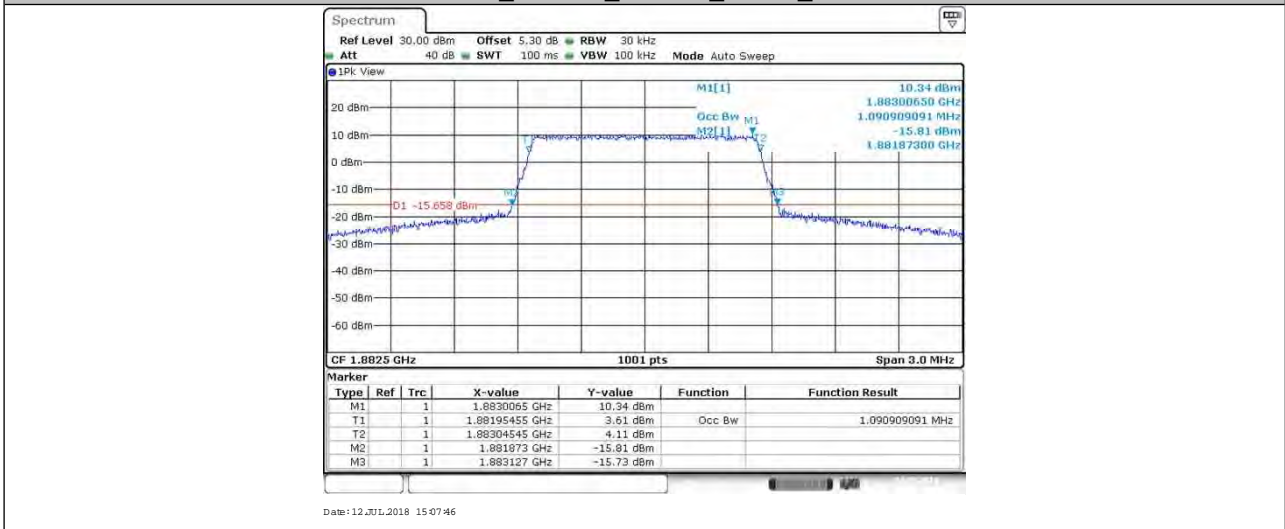
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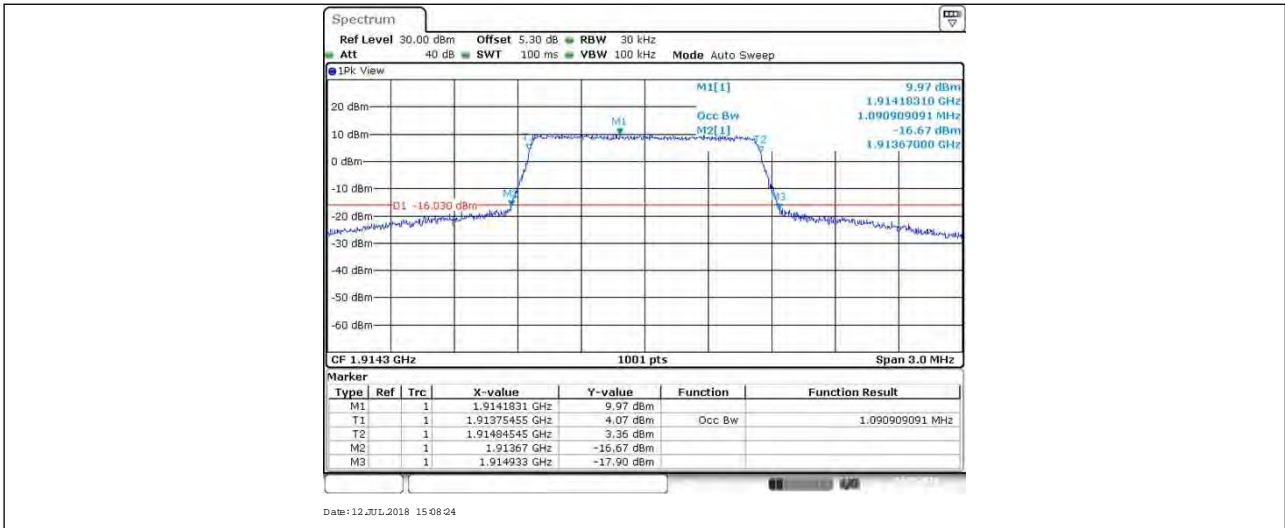


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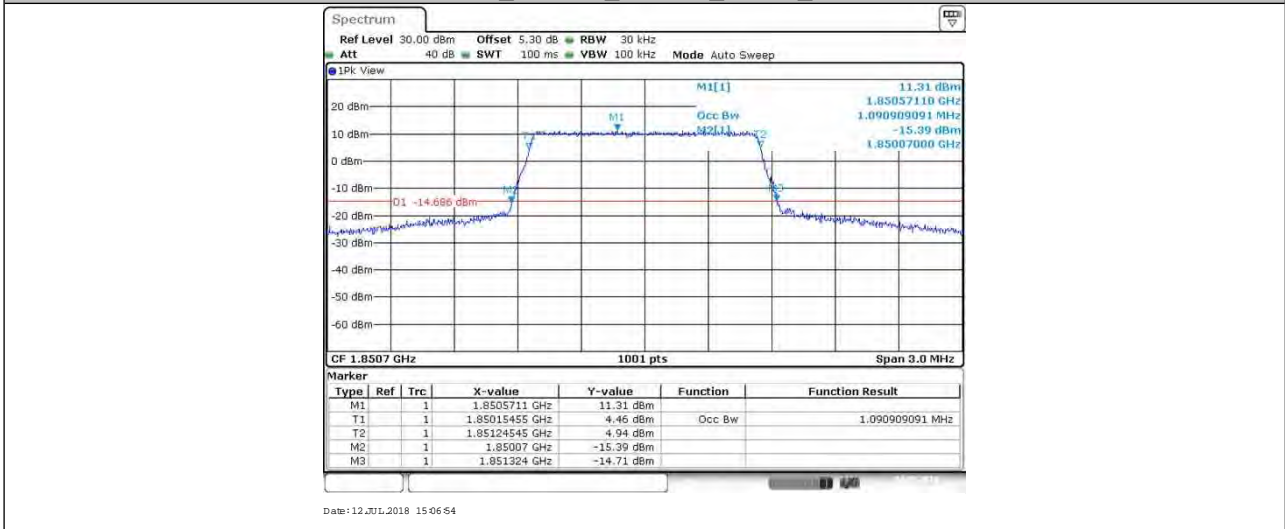


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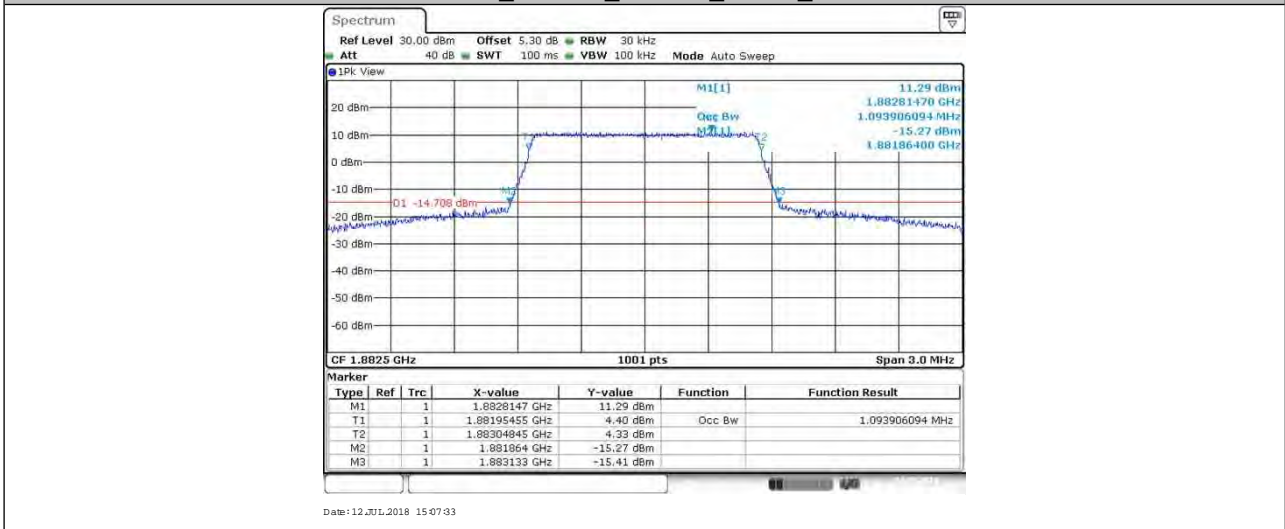
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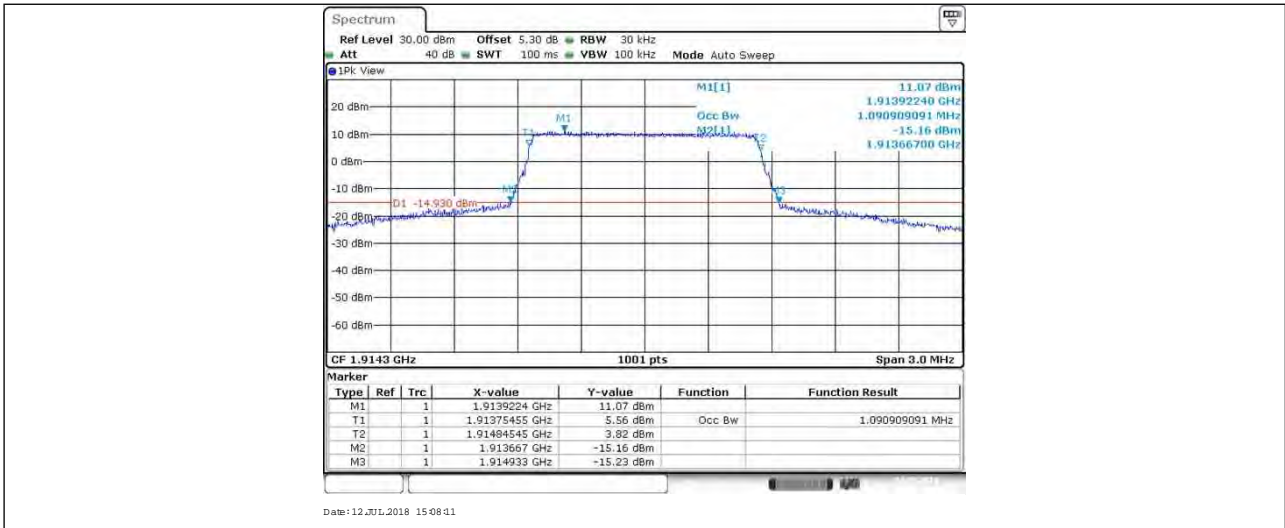


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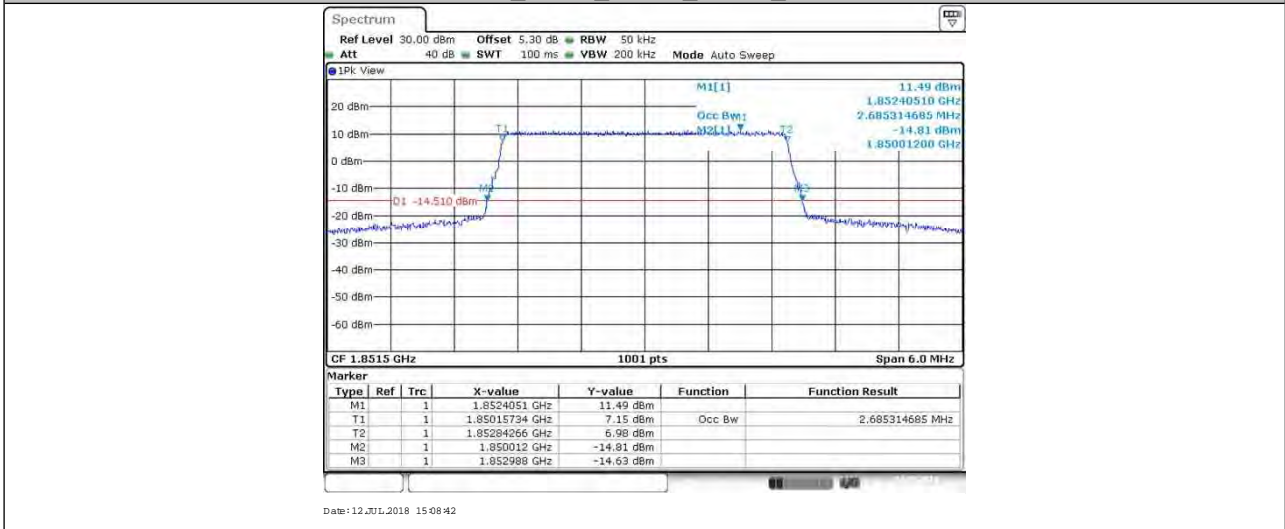


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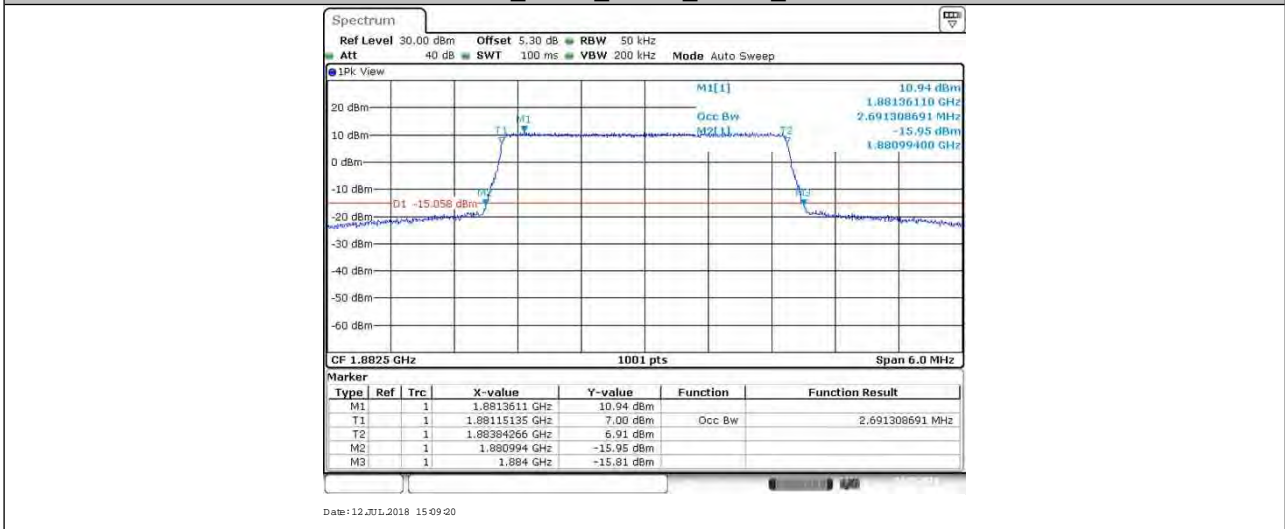
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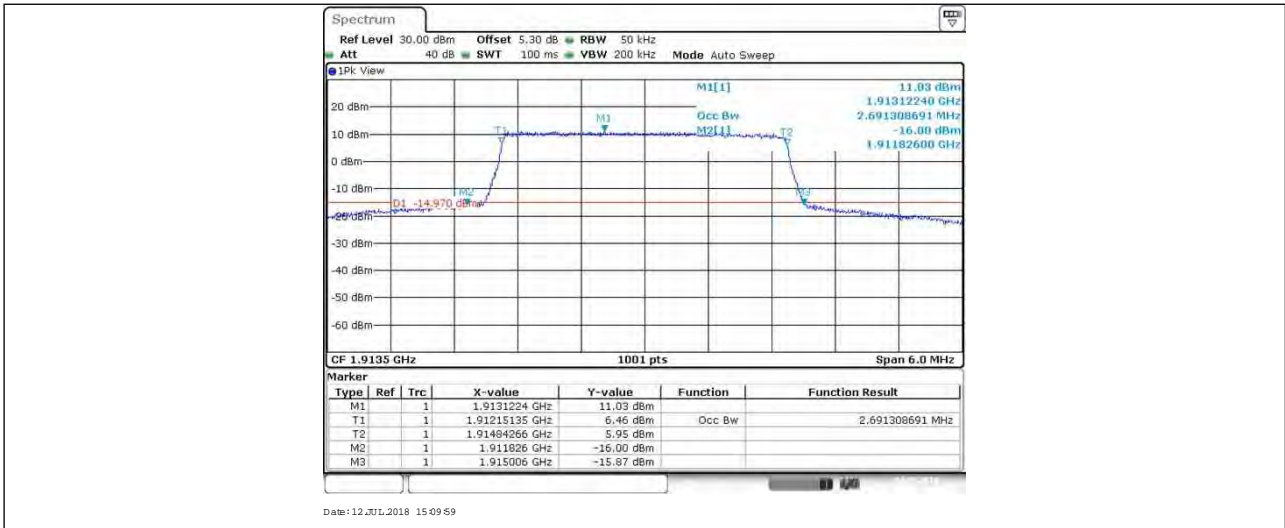


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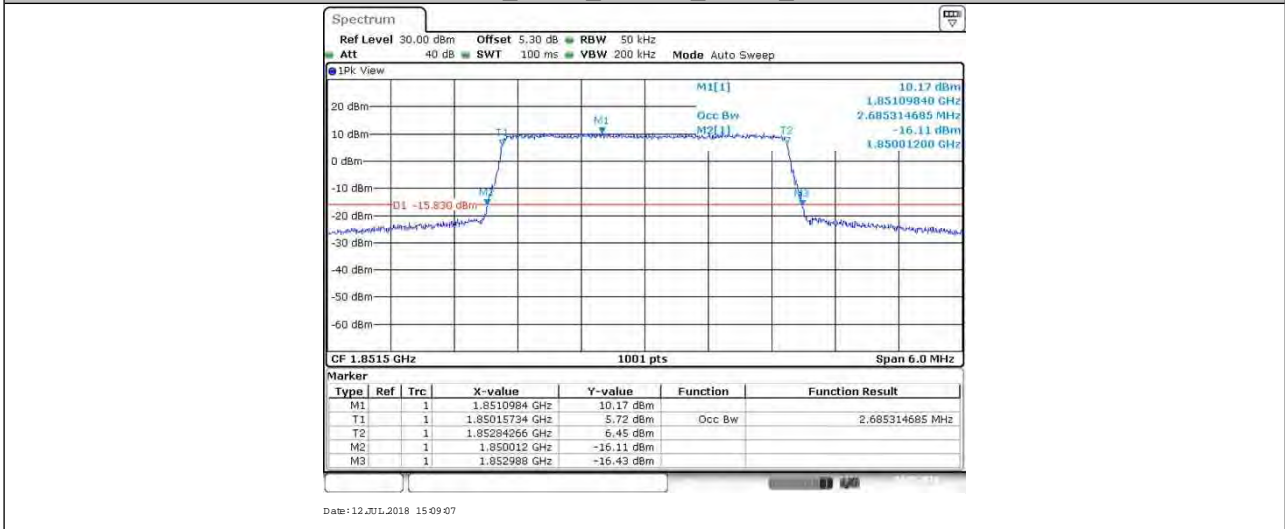


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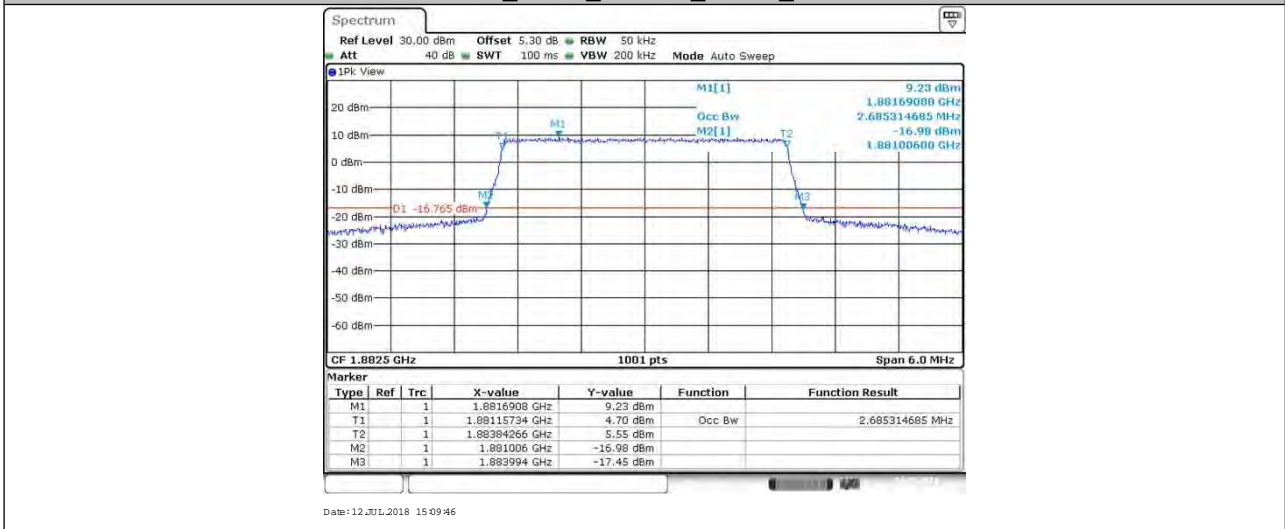
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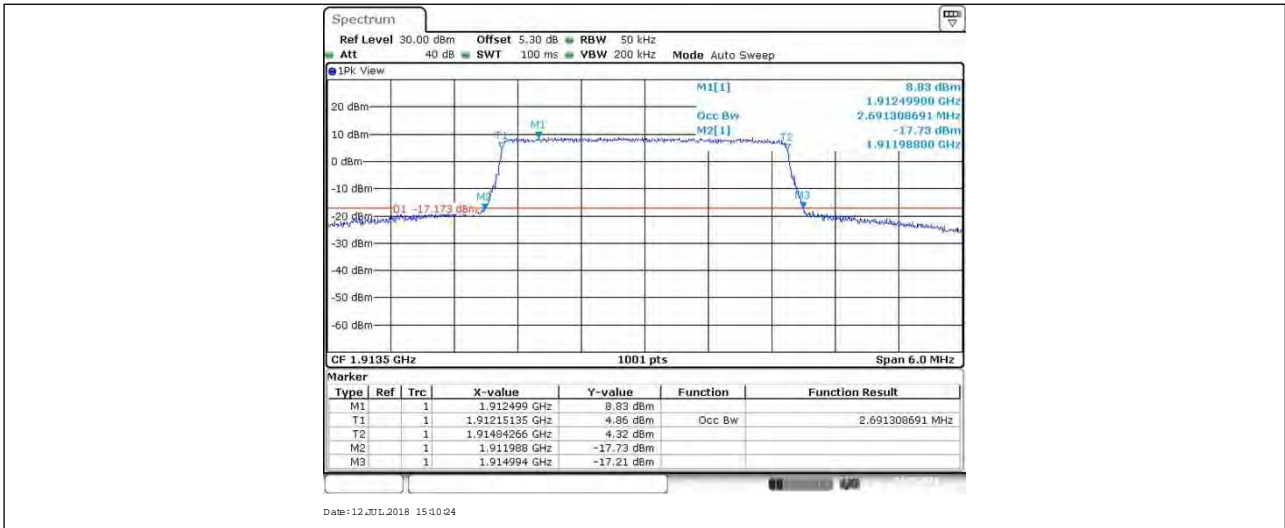


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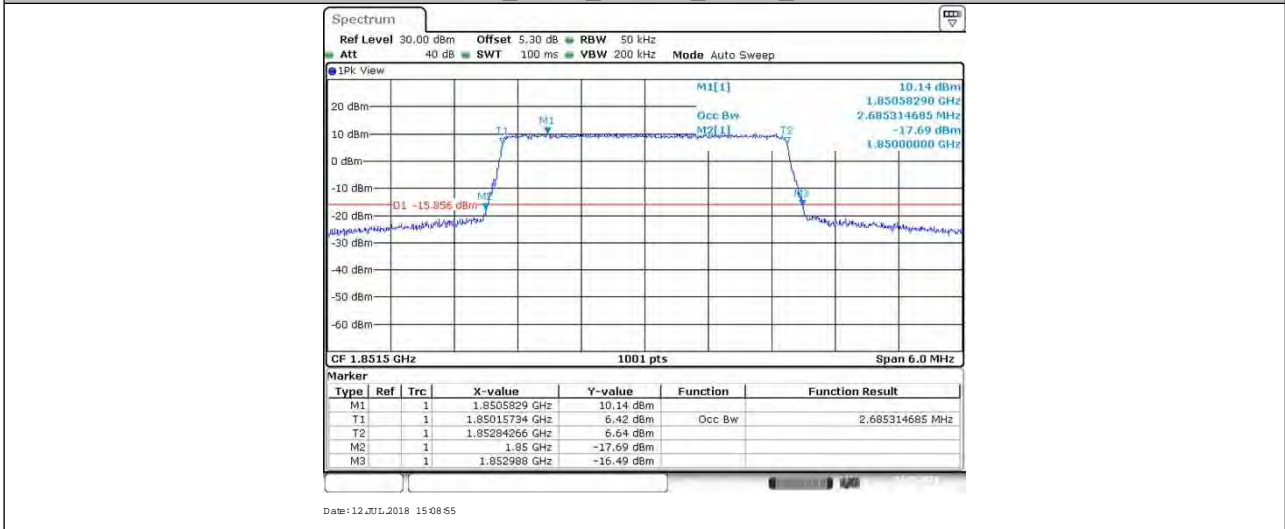


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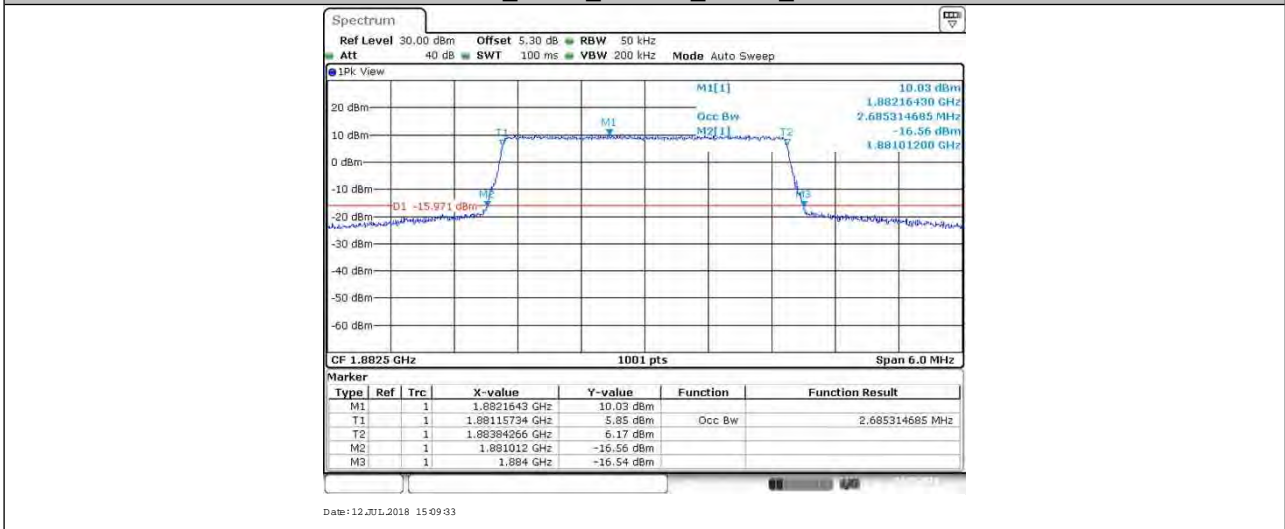
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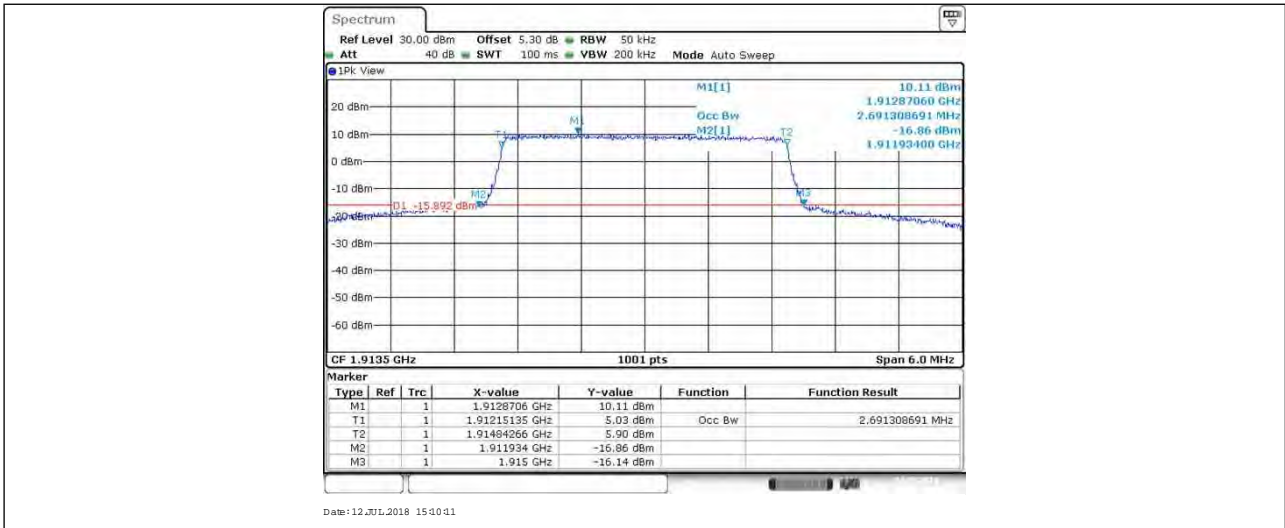


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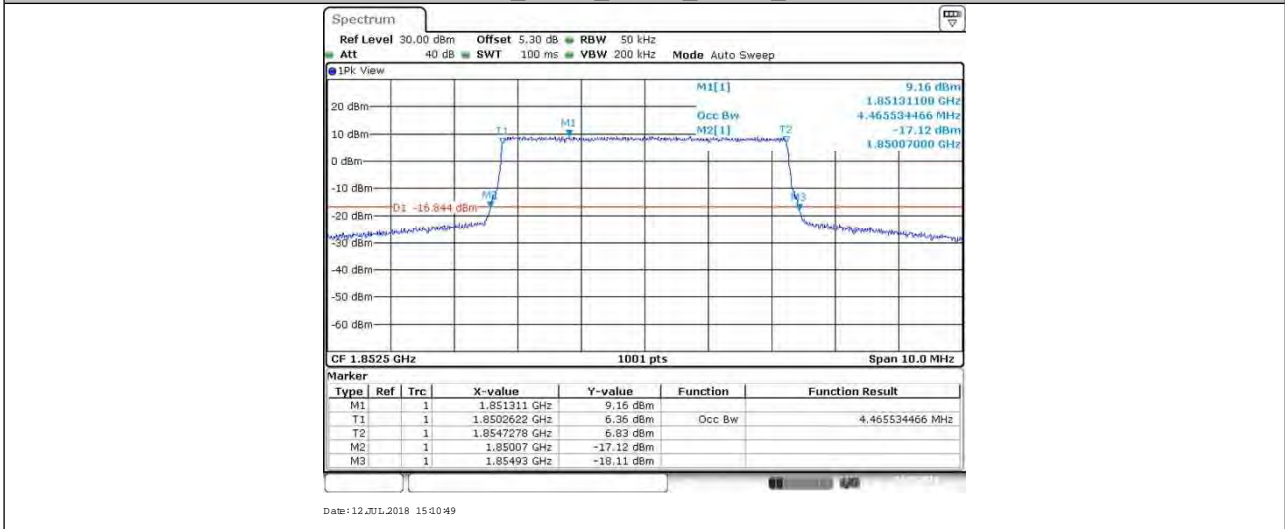


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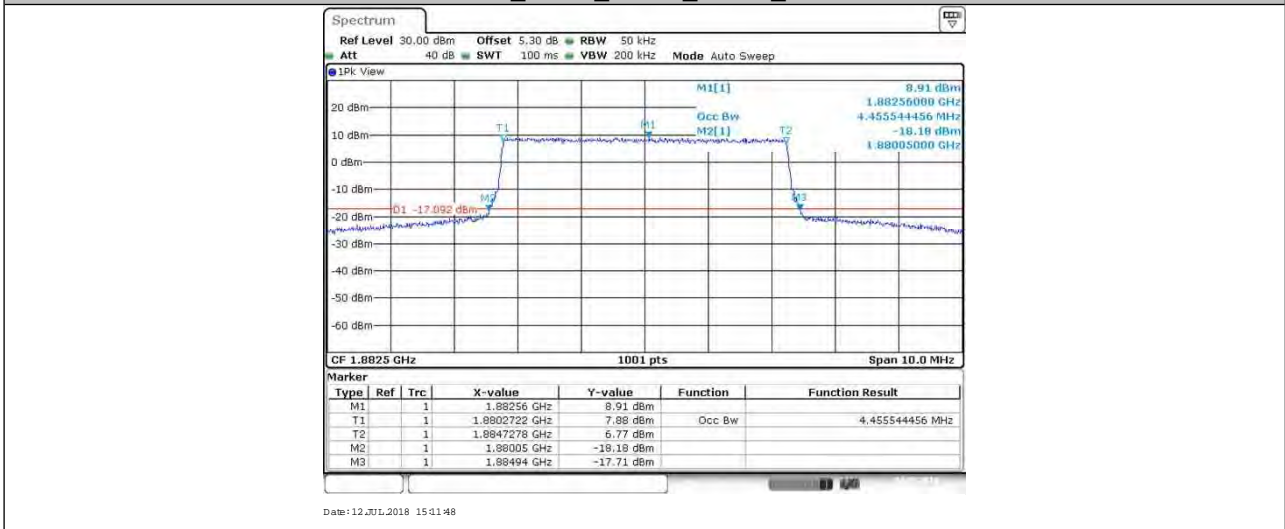
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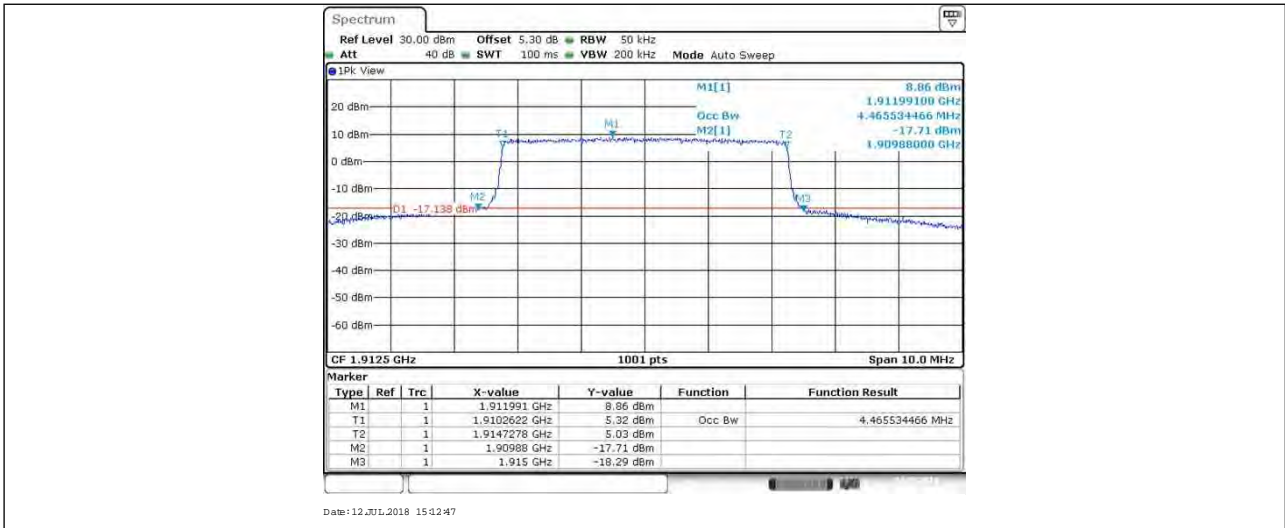


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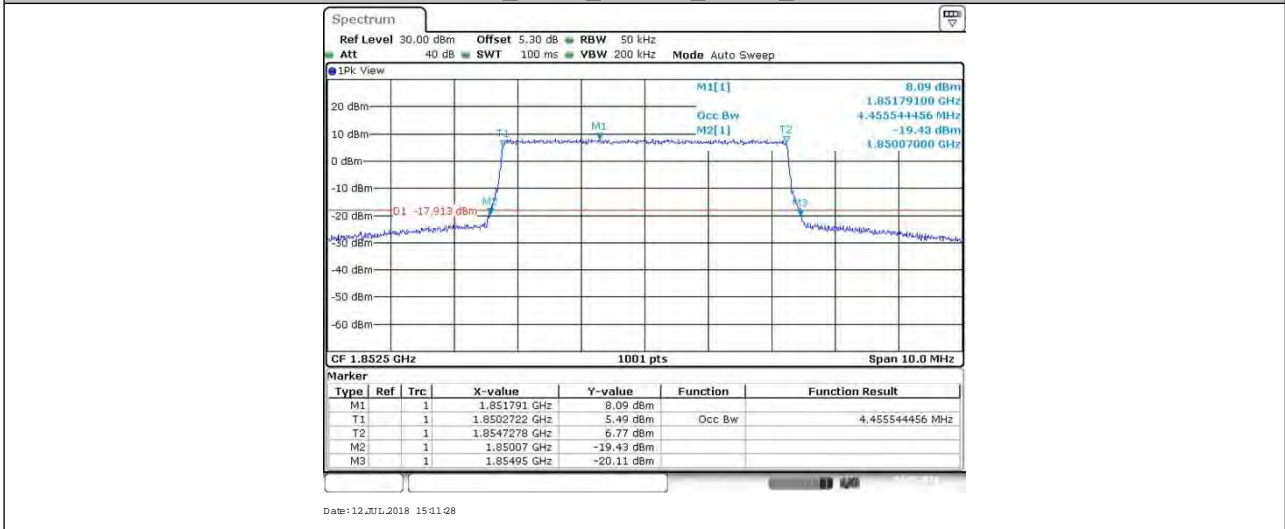


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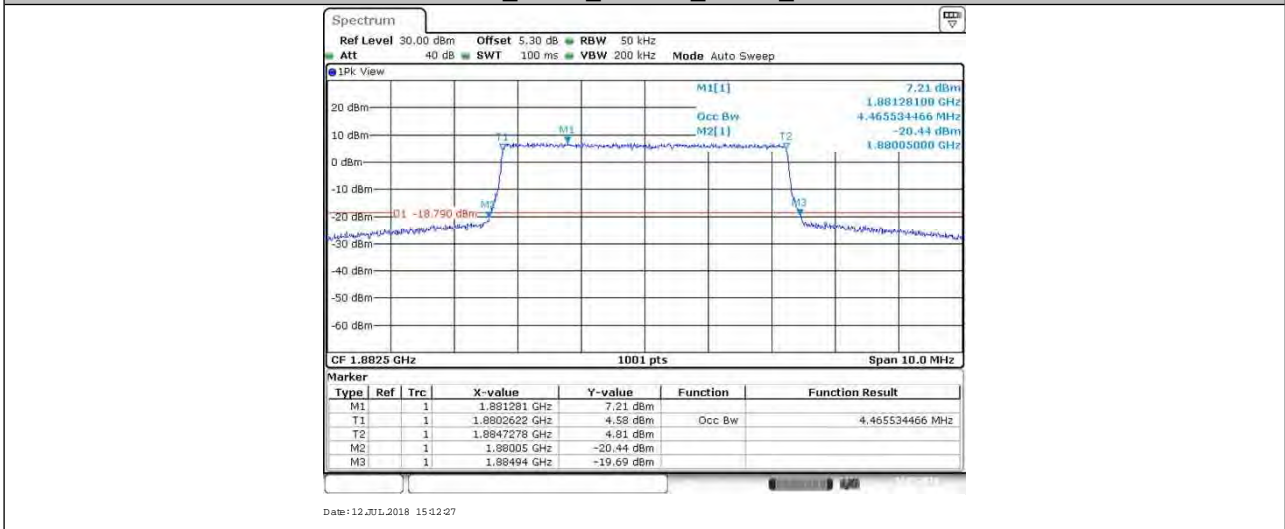
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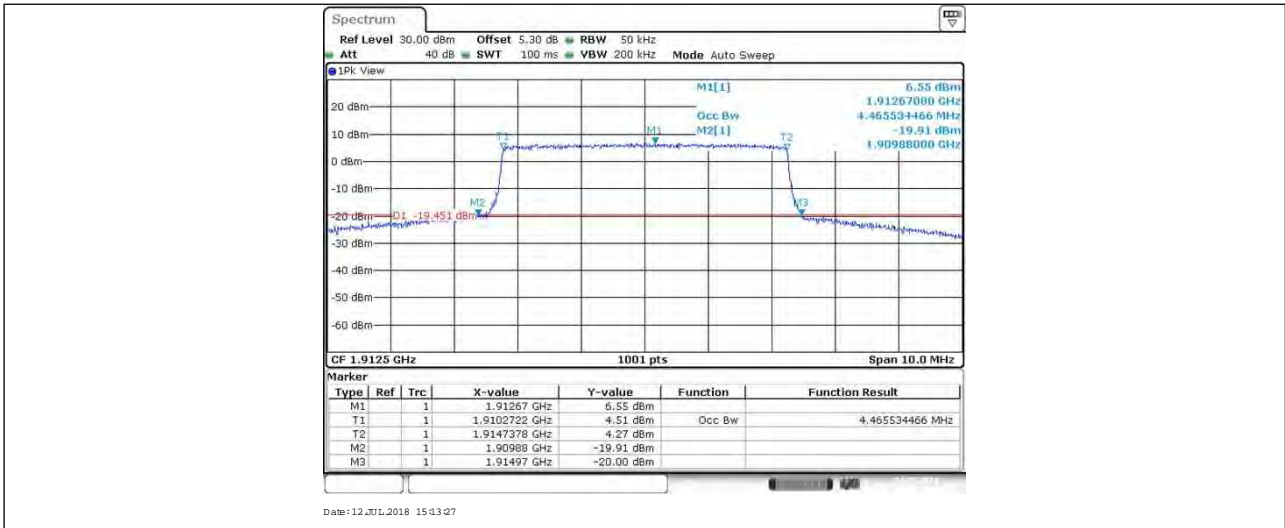


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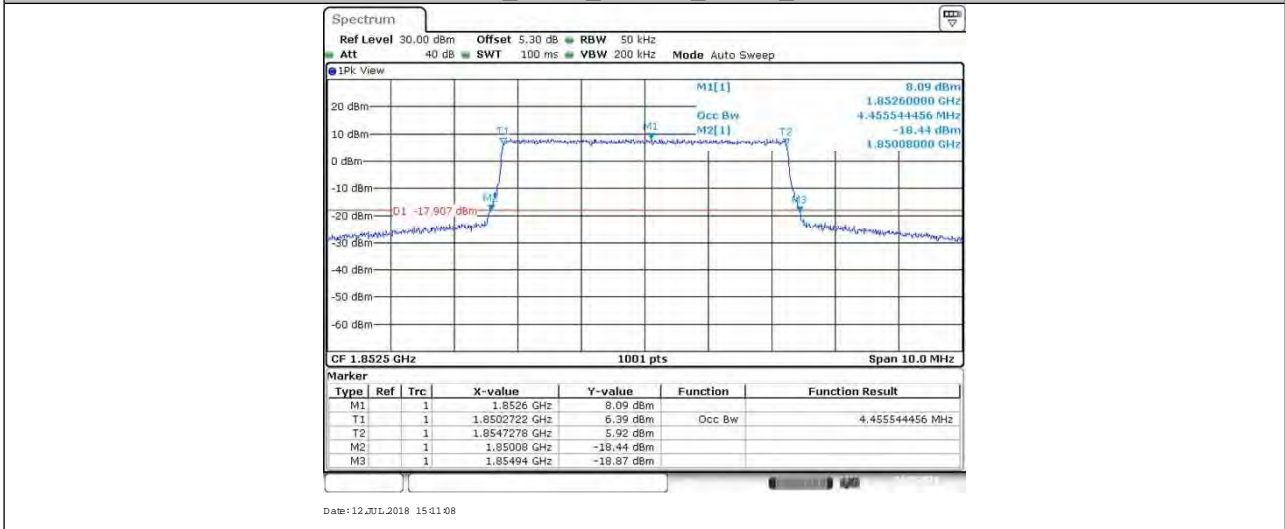


BAND25_5MHz_64QAM_26665_25RB#0

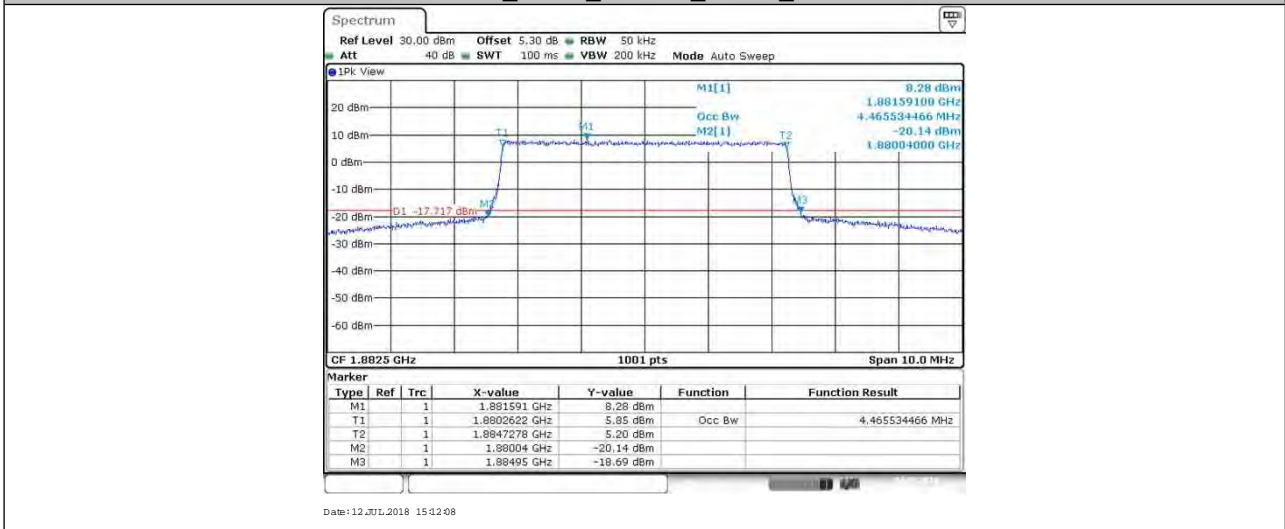
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BAND25_5MHz_16QAM_26065_25RB#0

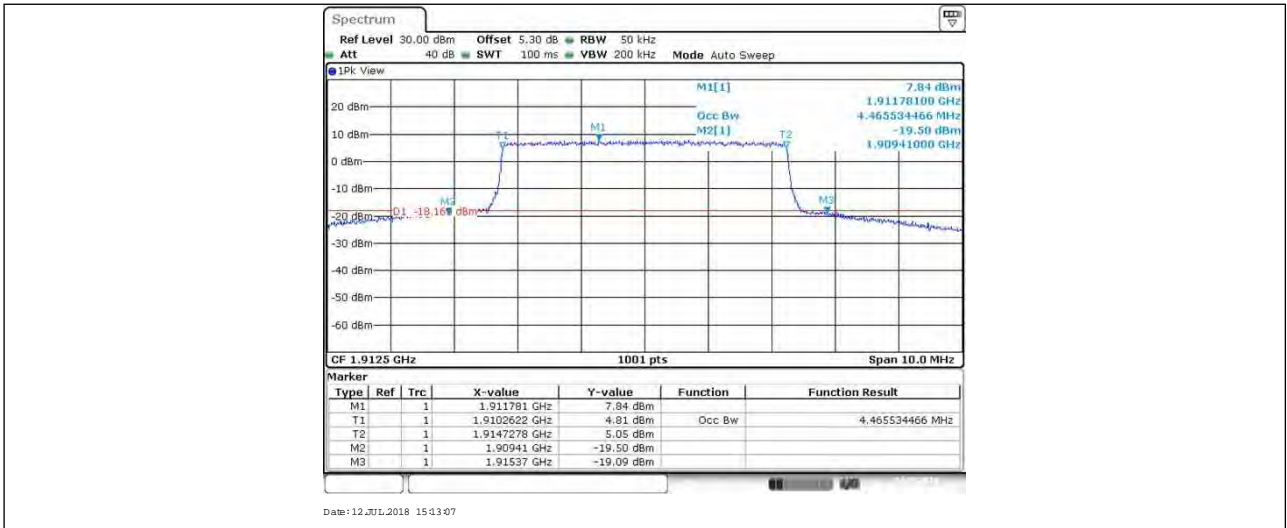


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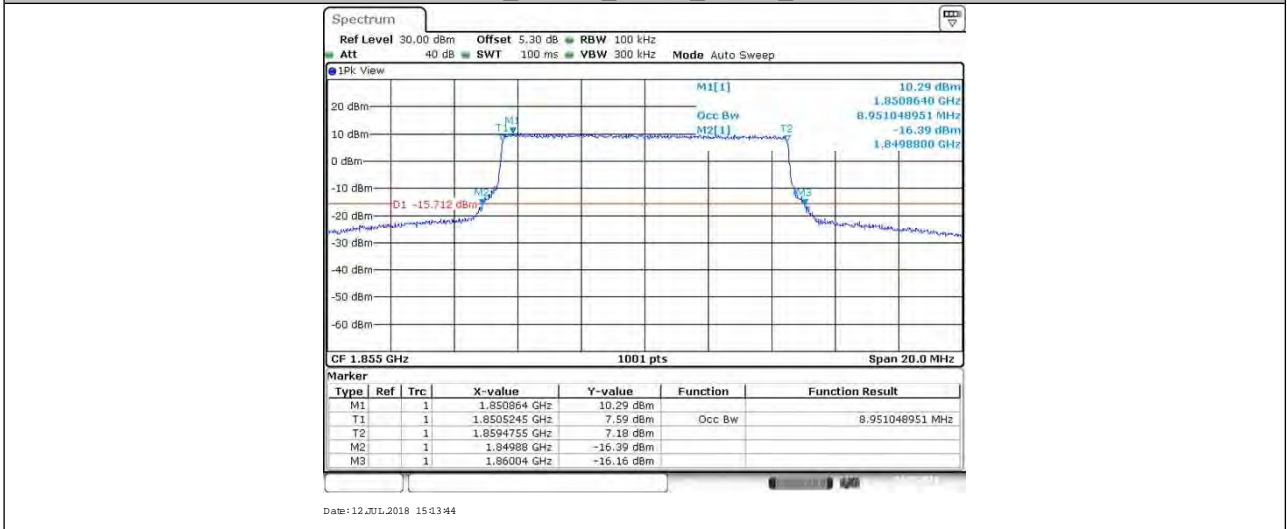


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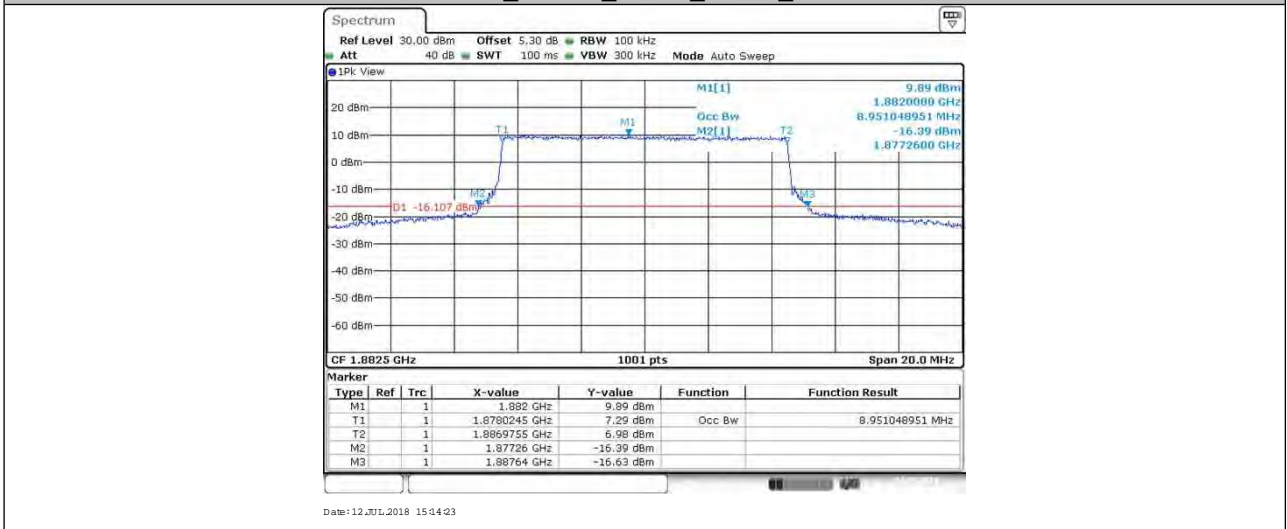
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BAND25_10MHz_QPSK_26090_50RB#0

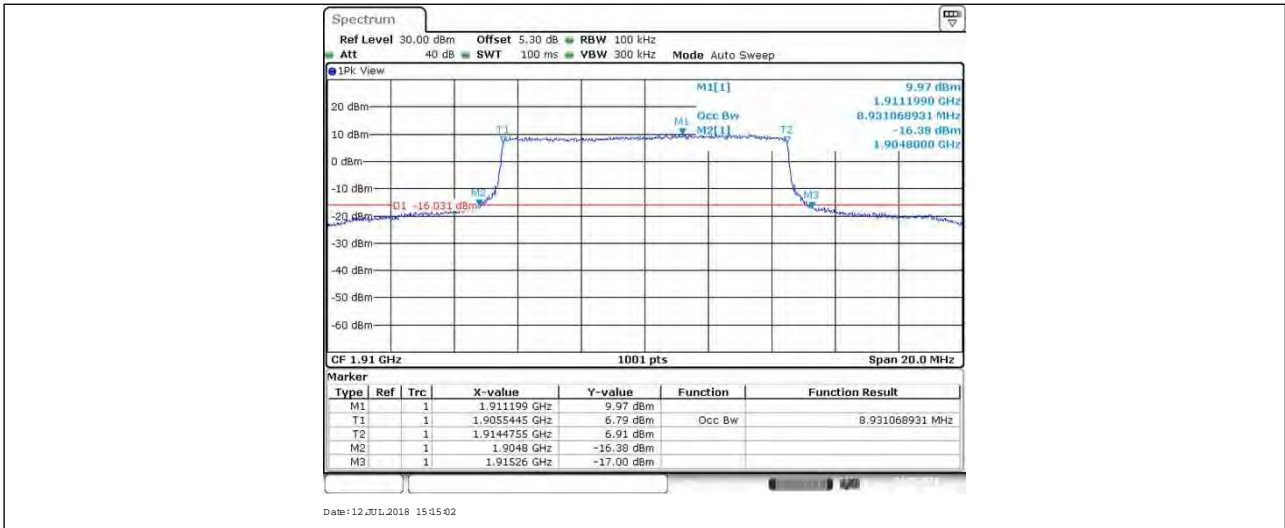


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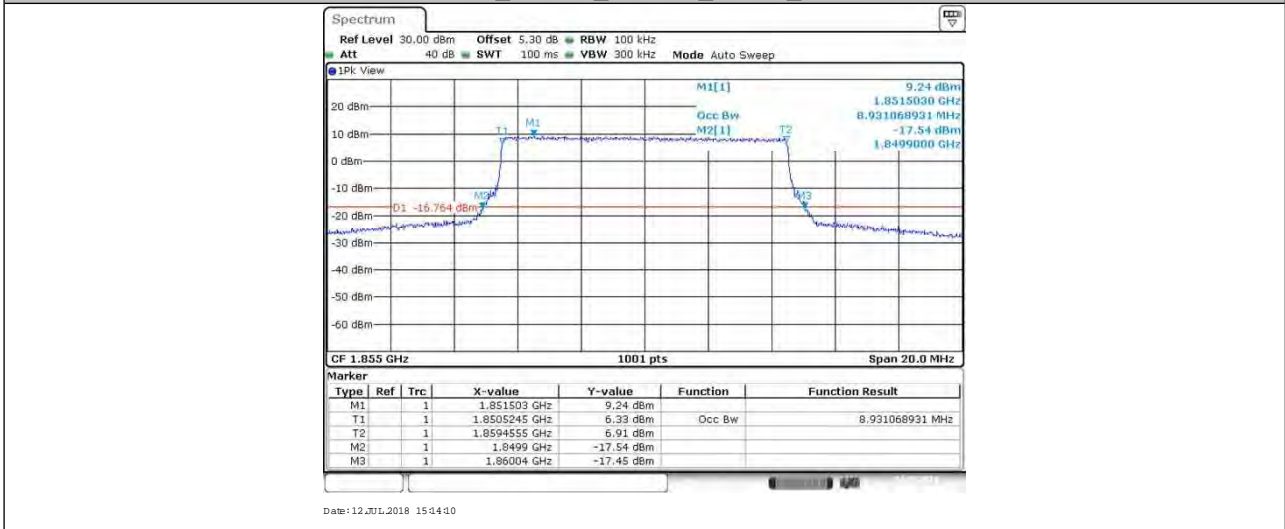


BAND25_10MHz_QPSK_26640_50RB#0

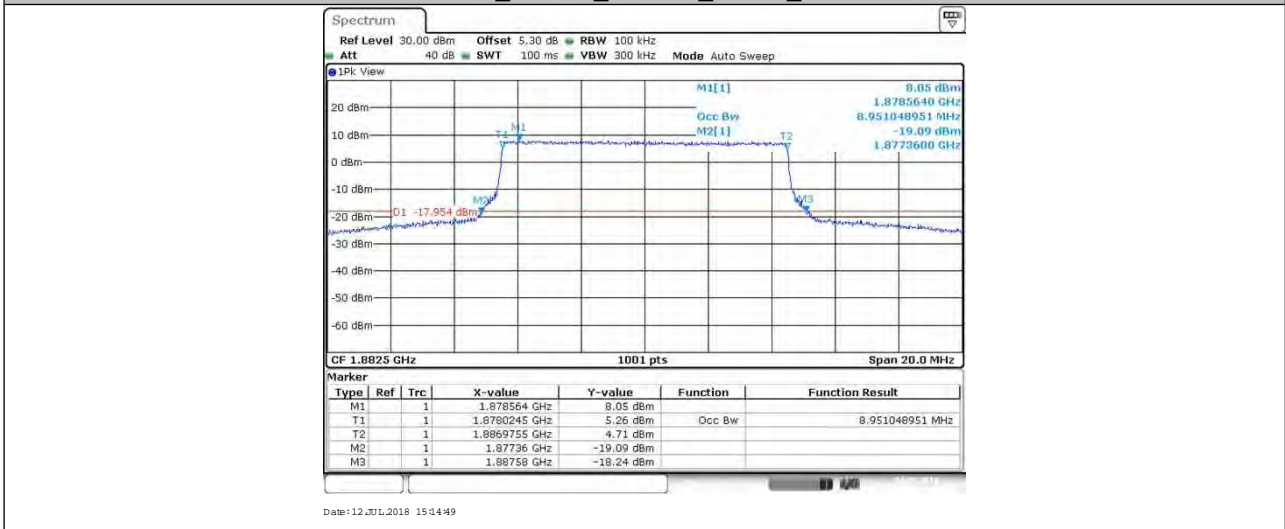
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BAND25_10MHz_64QAM_26090_50RB#0

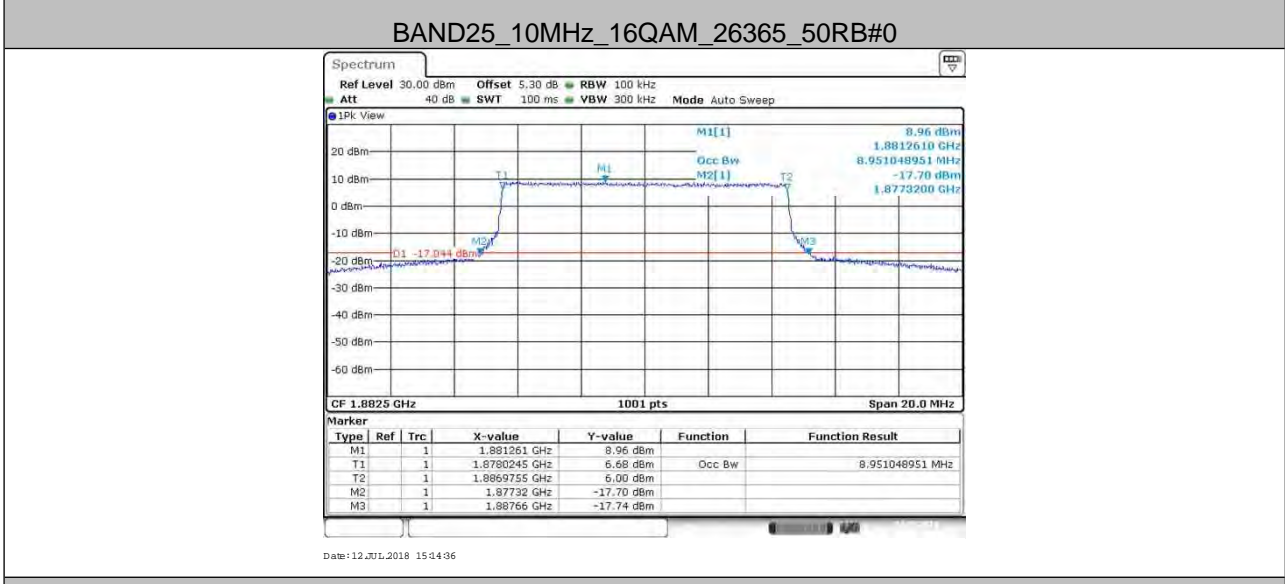
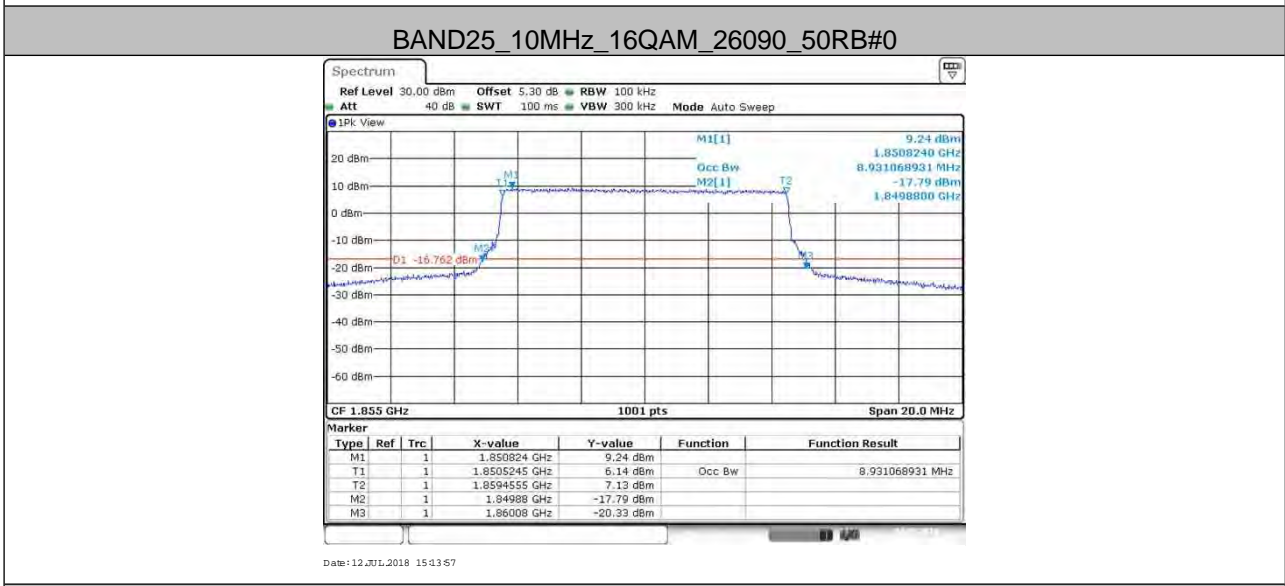
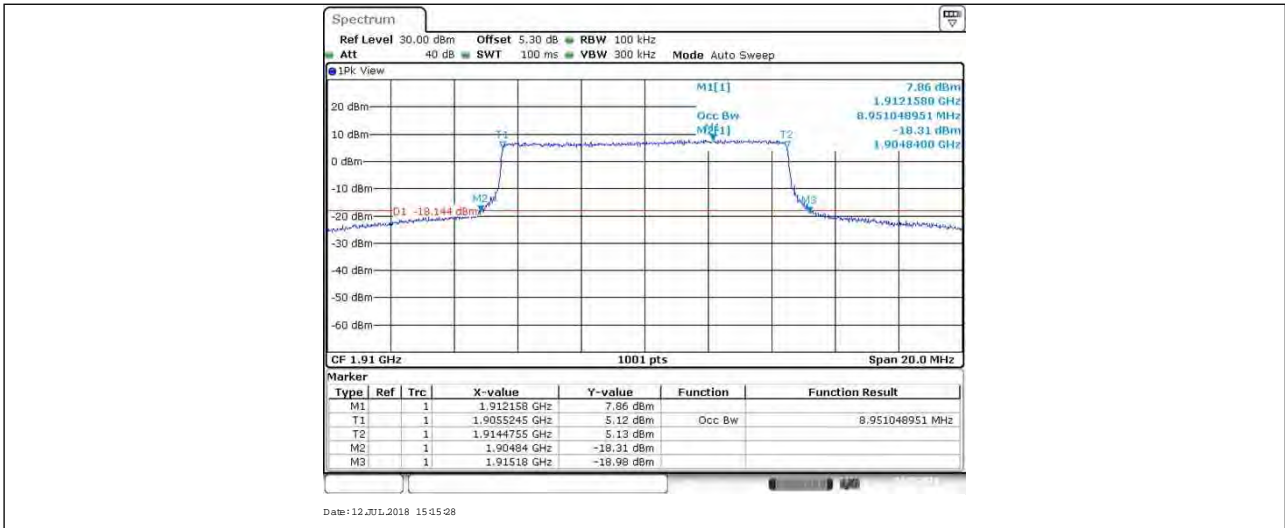


BAND25_10MHz_64QAM_26365_50RB#0



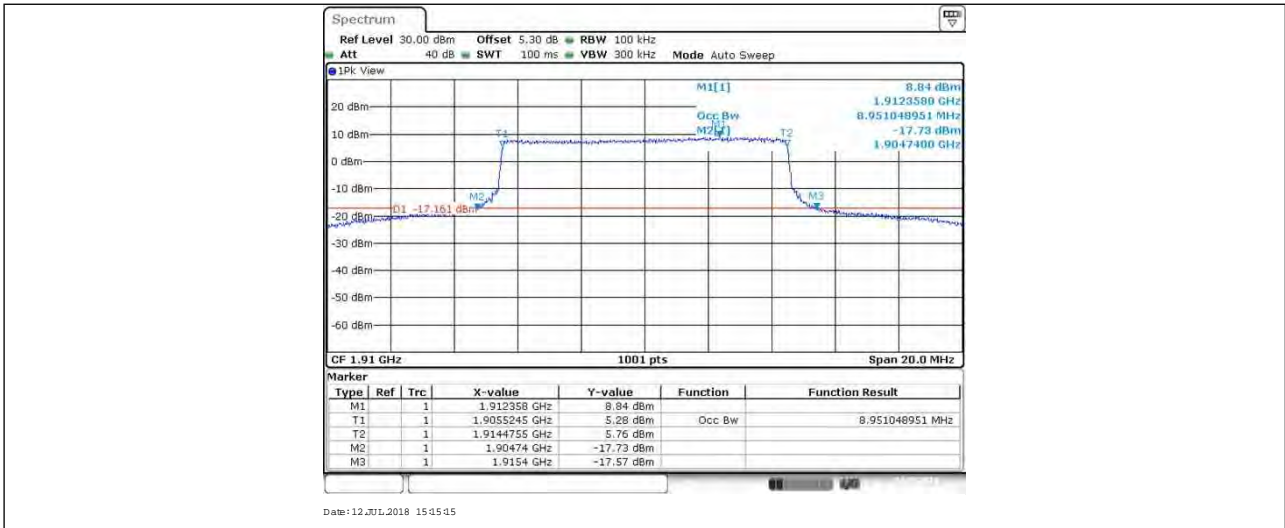
BAND25_10MHz_64QAM_26640_50RB#0

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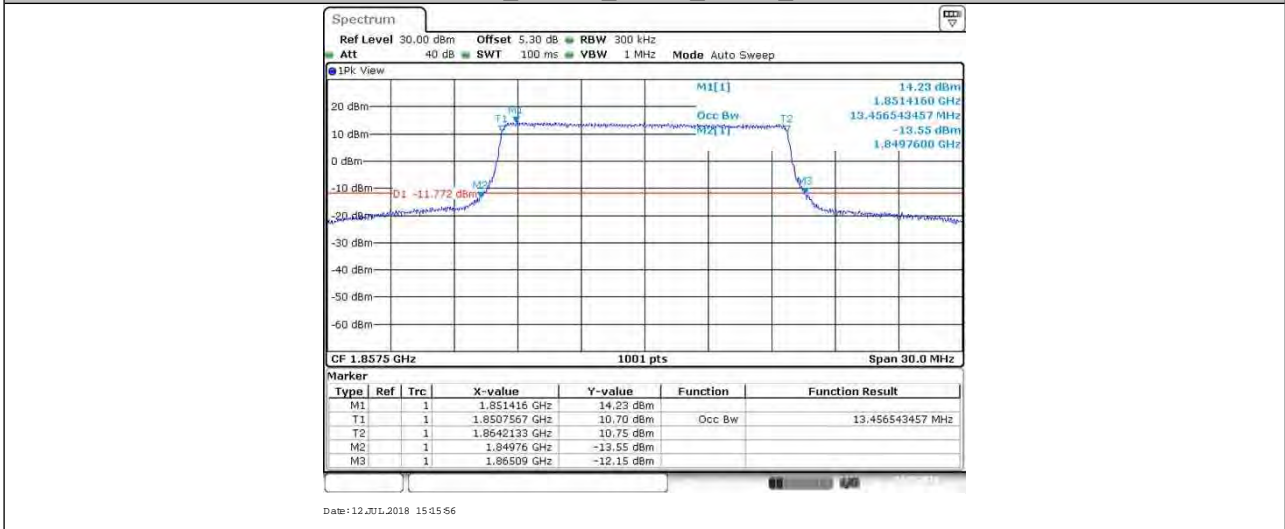


BAND25_10MHz_16QAM_26640_50RB#0

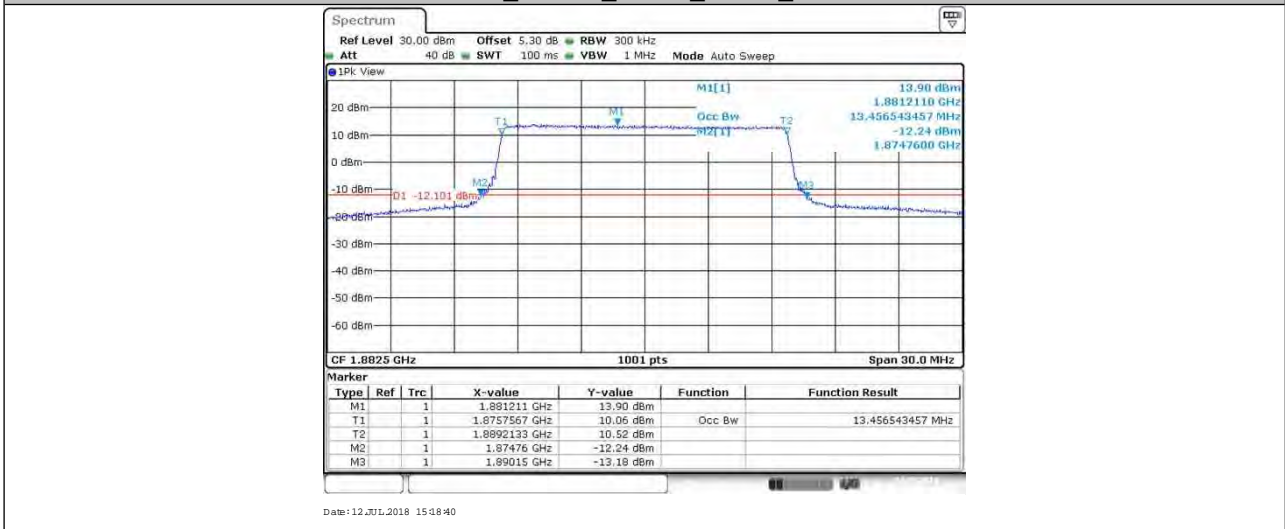
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BAND25_15MHz_QPSK_26115_75RB#0

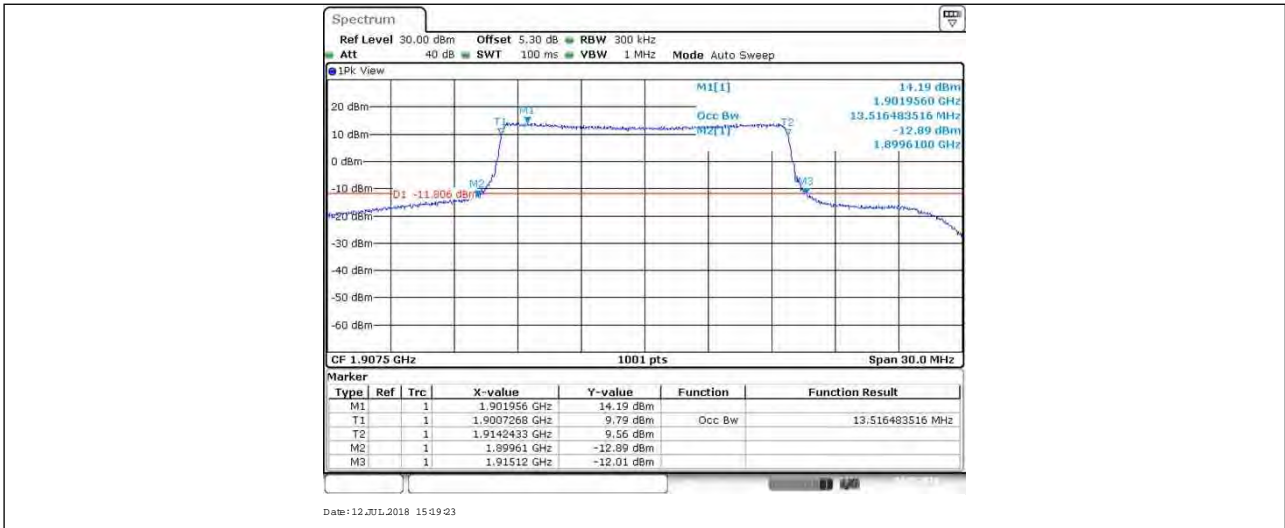


BAND25_15MHz_QPSK_26365_75RB#0

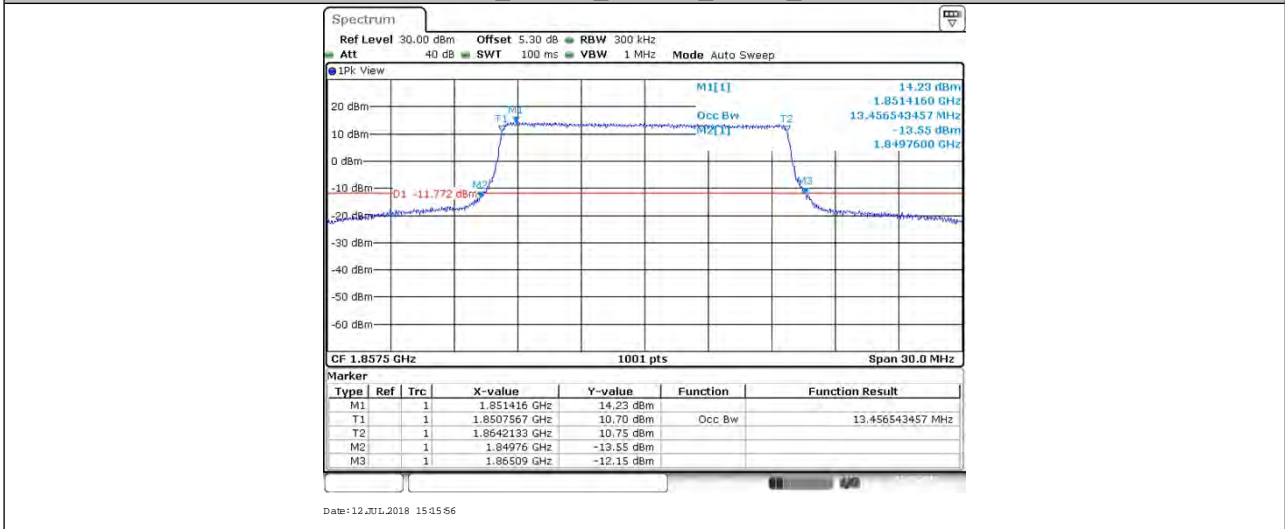


BAND25_15MHz_QPSK_26615_75RB#0

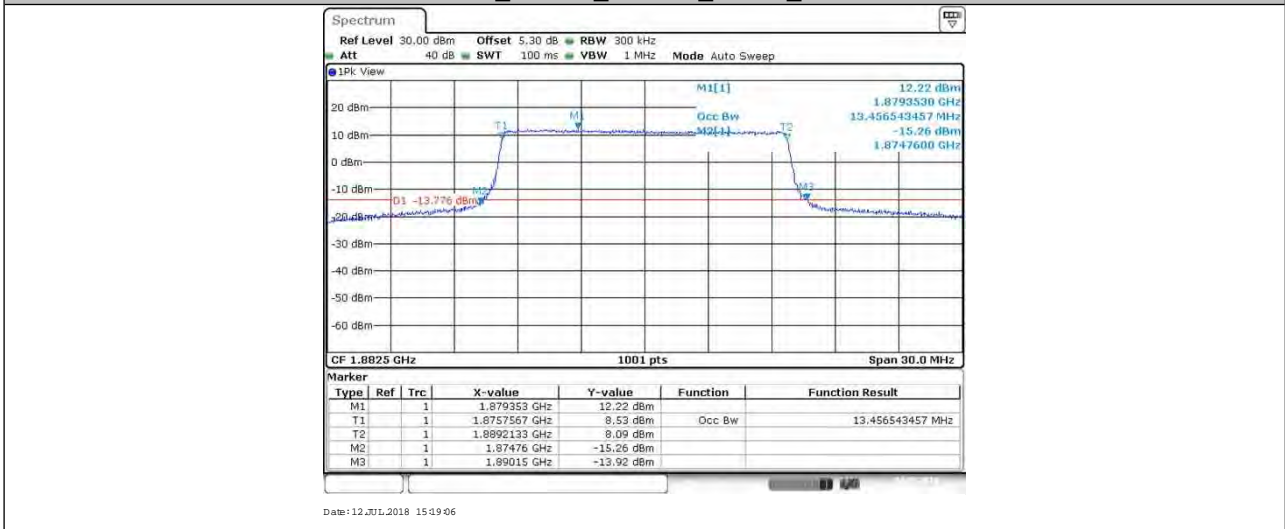
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BAND25_15MHz_64QAM_26115_75RB#0

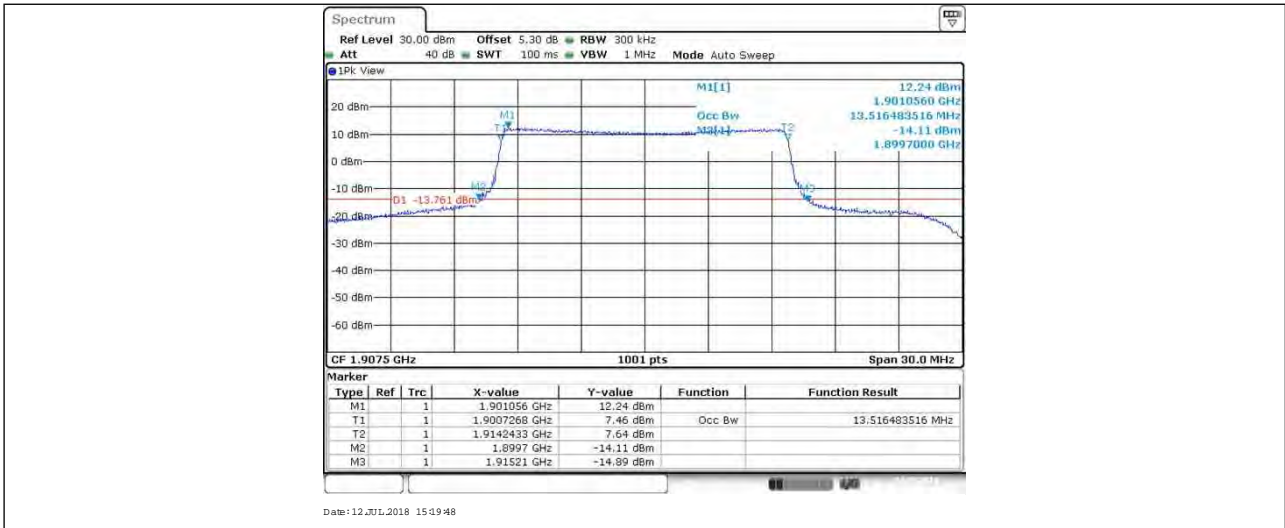


BAND25_15MHz_64QAM_26365_75RB#0

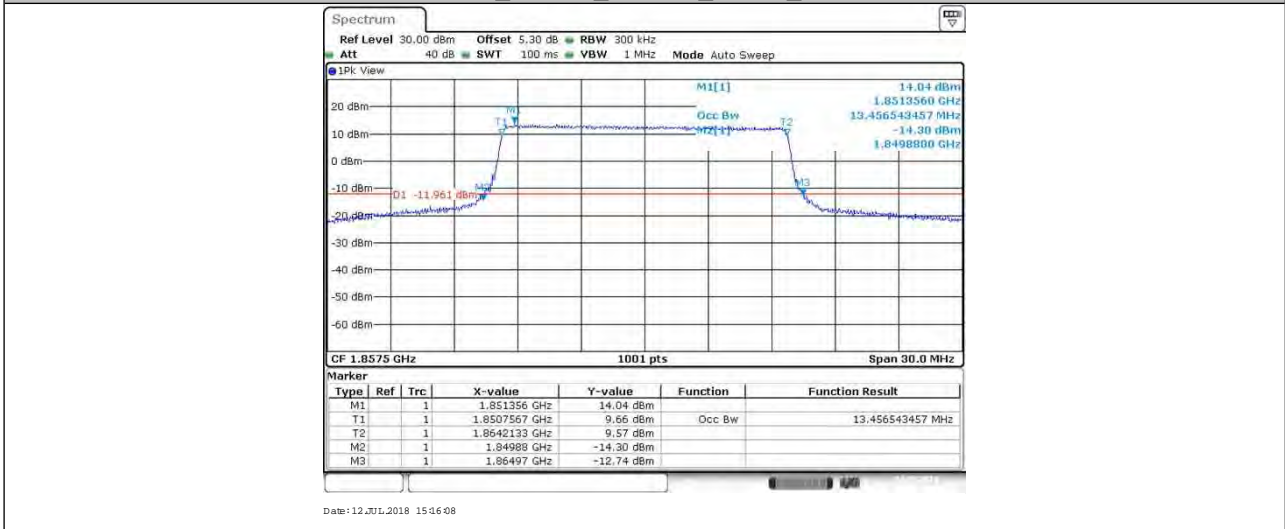


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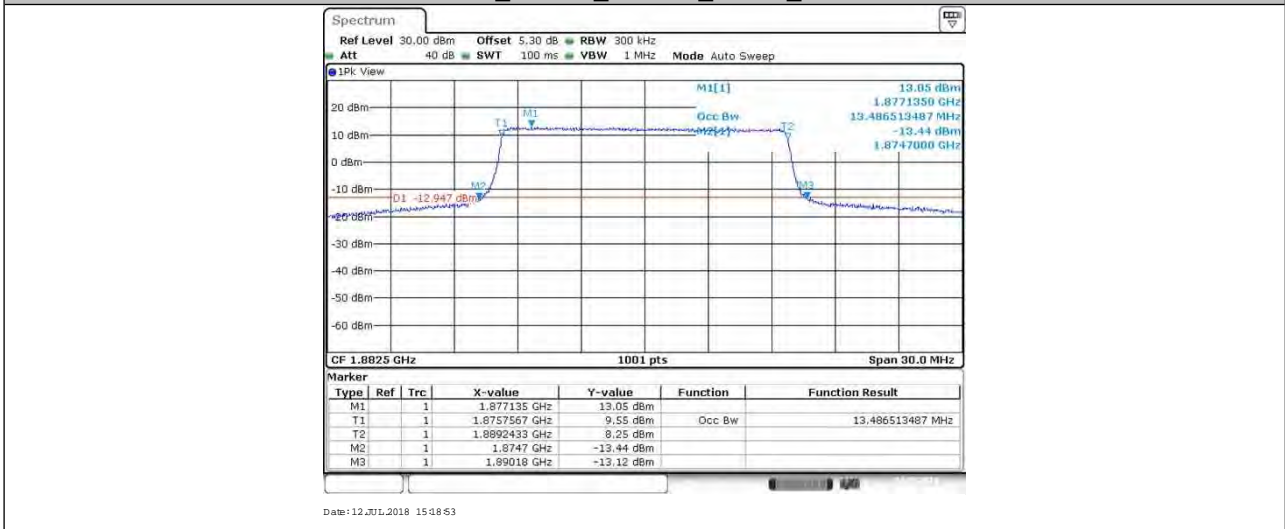
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BAND25_15MHz_16QAM_26115_75RB#0

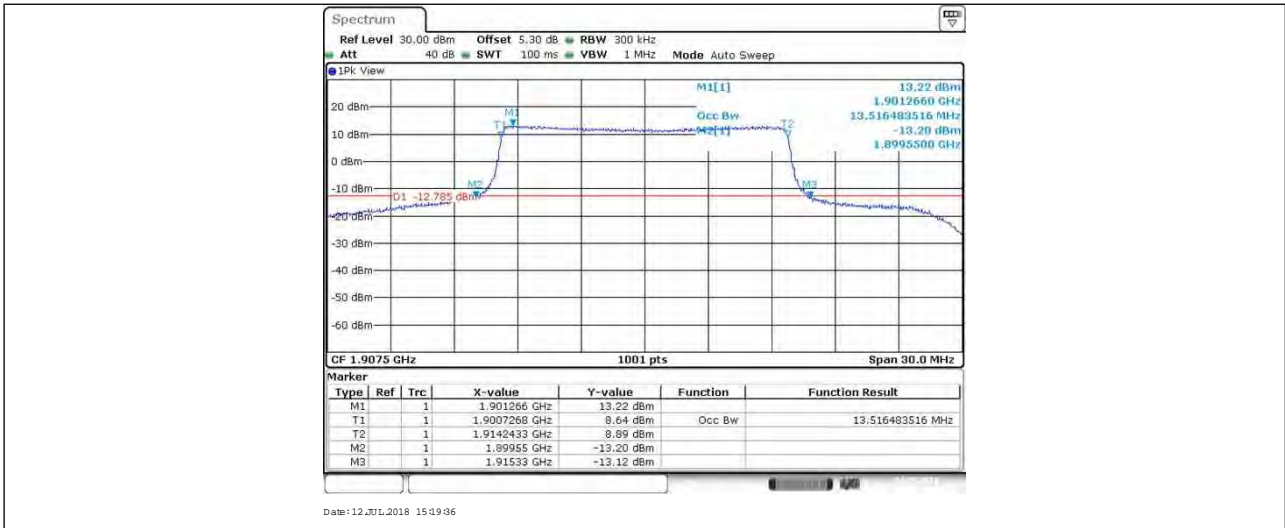


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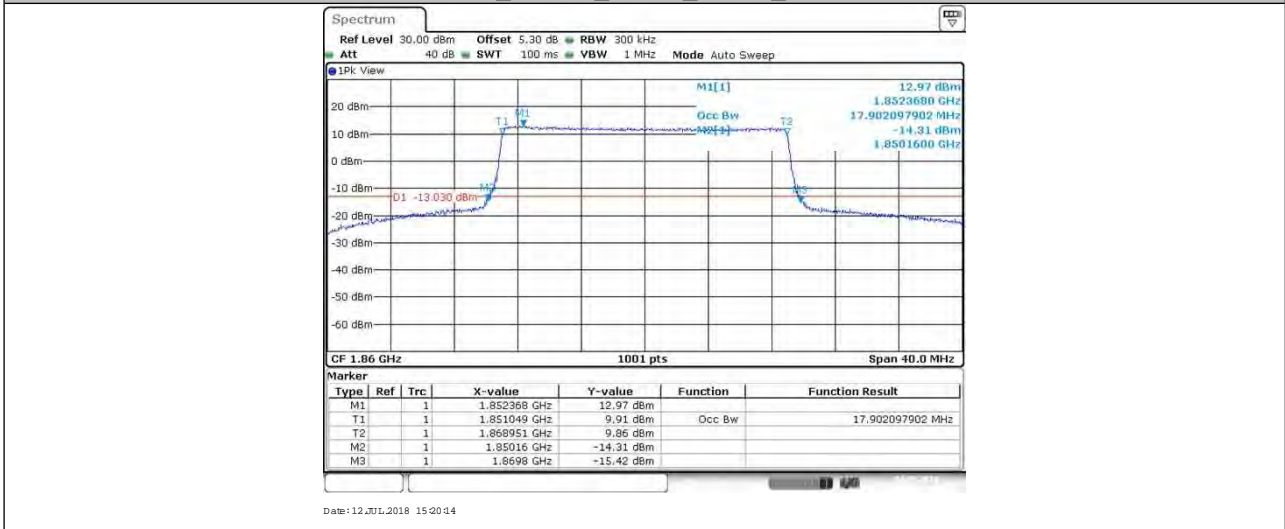


BAND25_15MHz_16QAM_26615_75RB#0

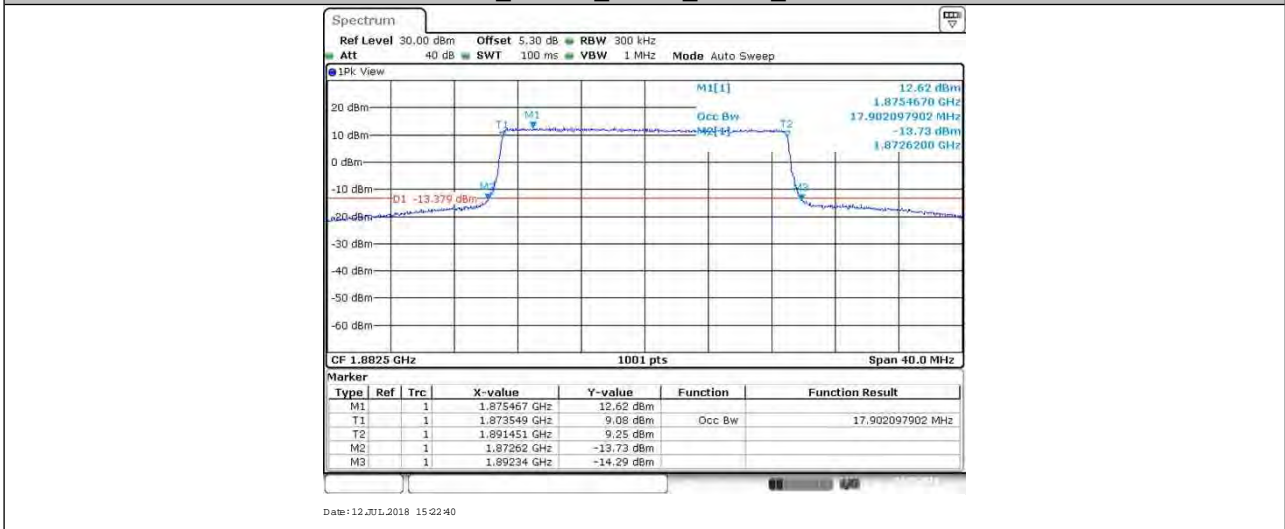
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BAND25_20MHz_QPSK_26140_100RB#0



BAND25_20MHz_QPSK_26365_100RB#0

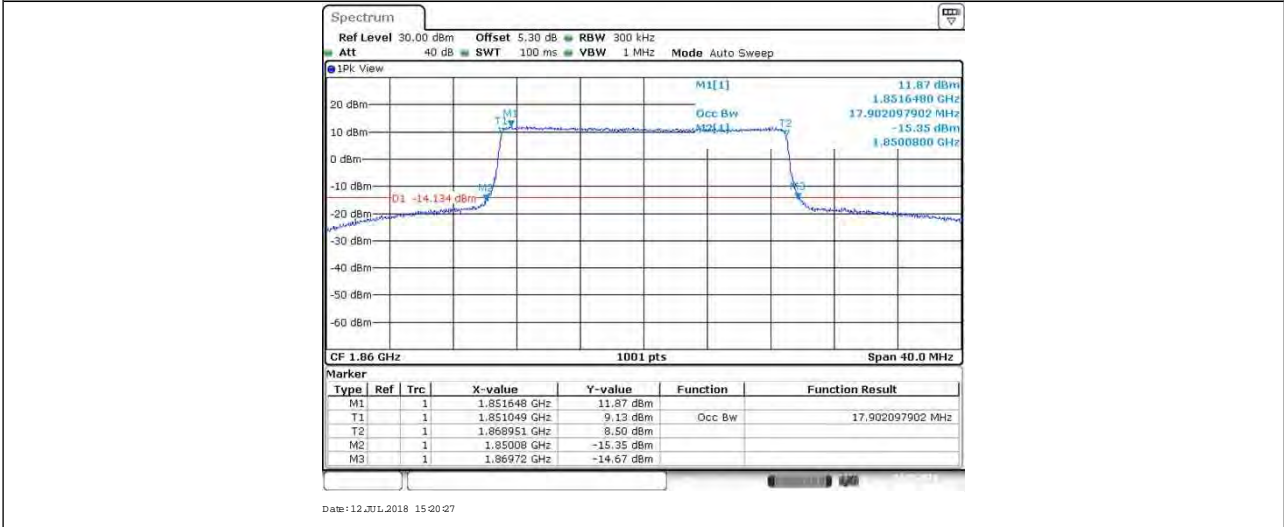


BAND25_20MHz_QPSK_26590_100RB#0

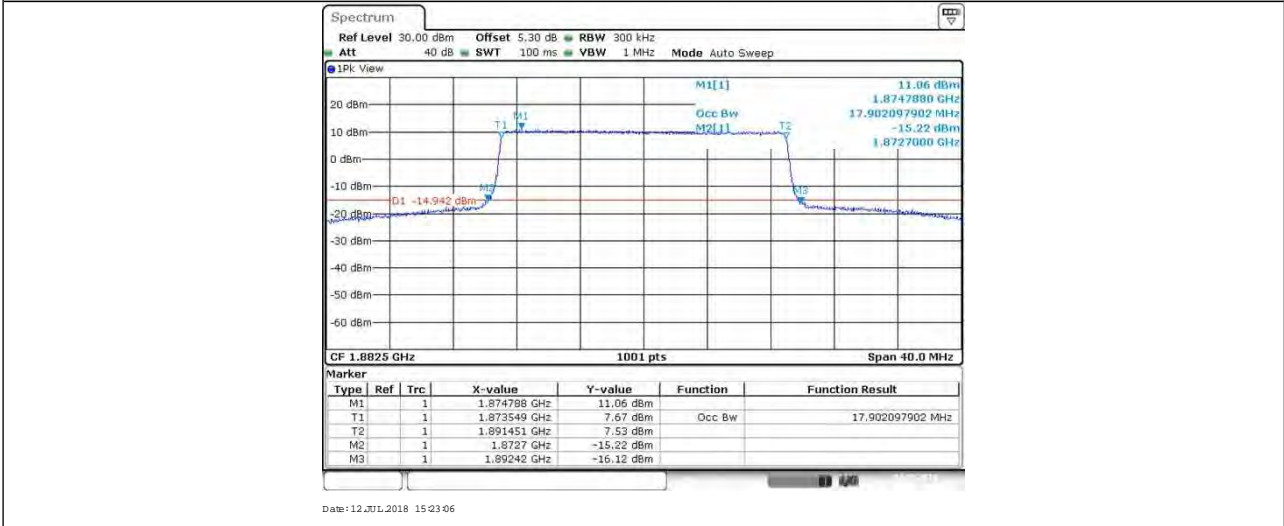
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BAND25_20MHz_64QAM_26140_100RB#0

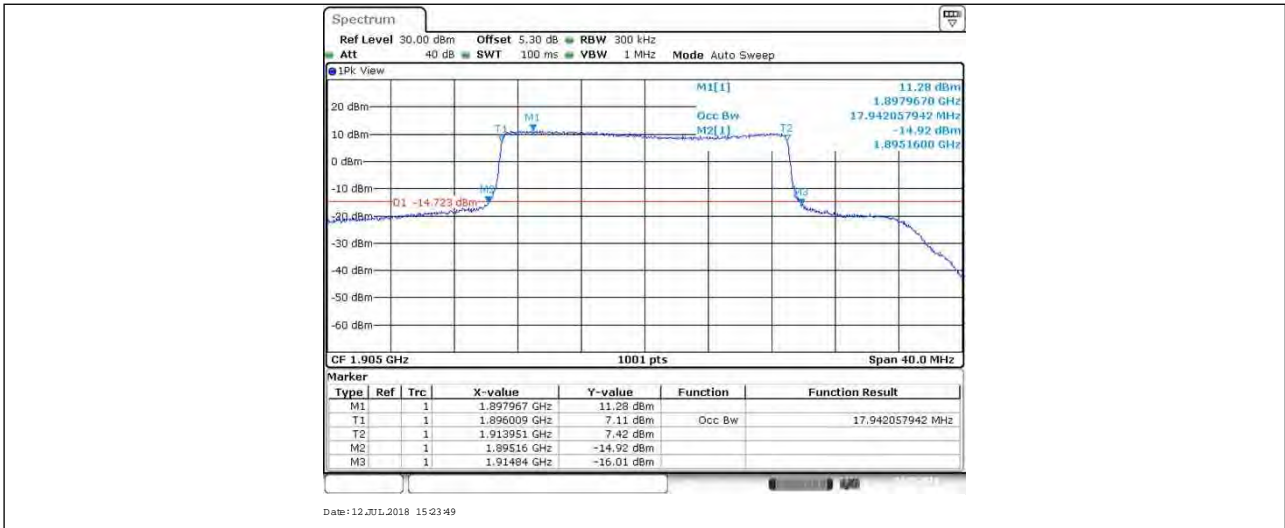


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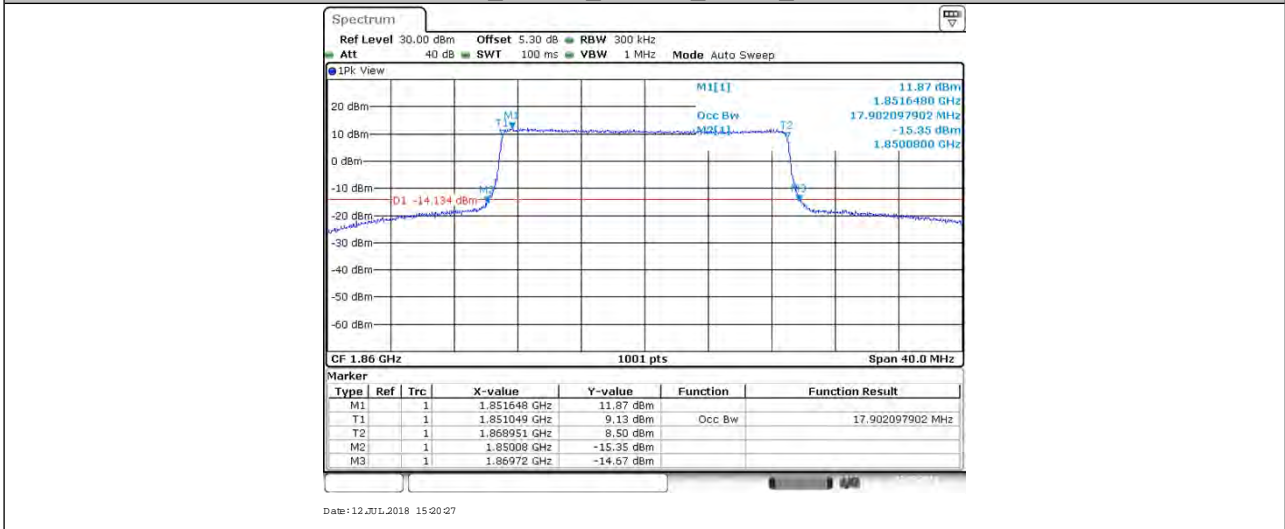
BAND25_20MHz_64QAM_26590_100RB#0

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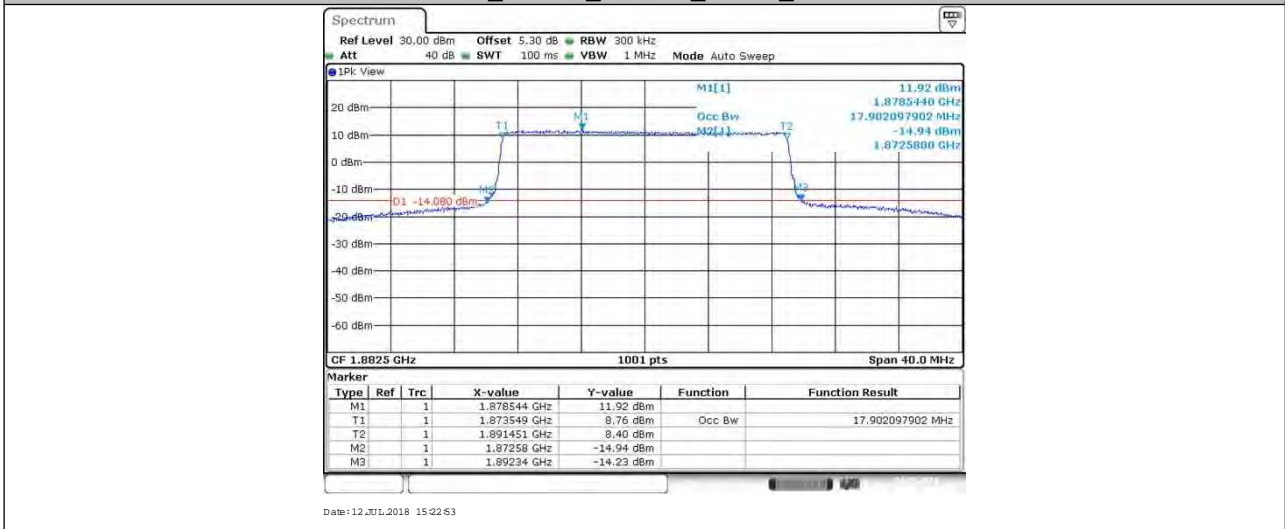
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BAND25_20MHz_16QAM_26140_100RB#0



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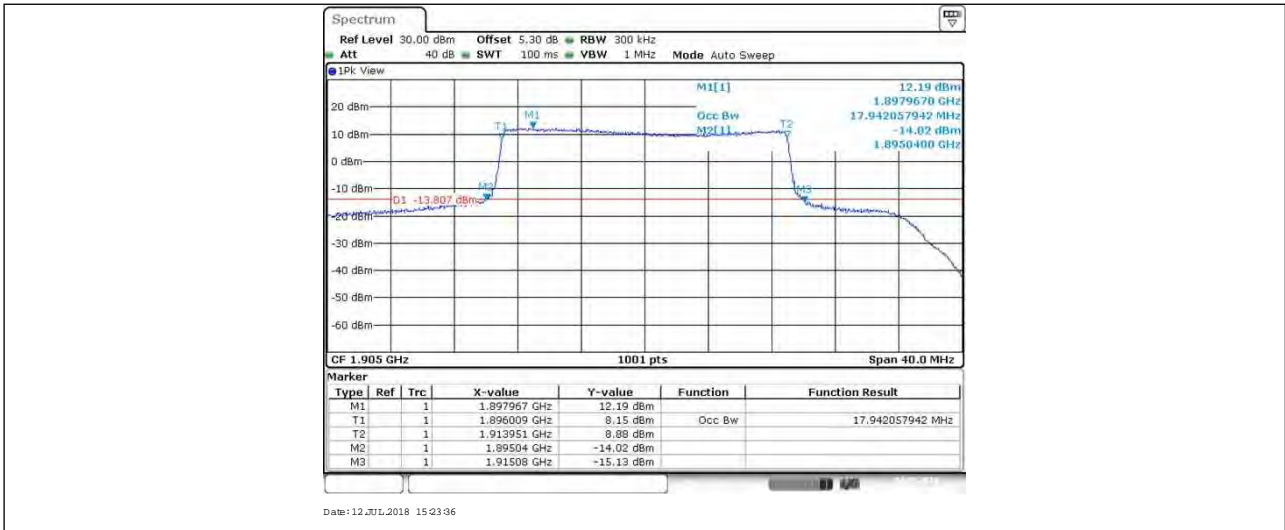
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Date: 12.JUL.2018 15:22:53

BAND25_20MHz_16QAM_26590_100RB#0

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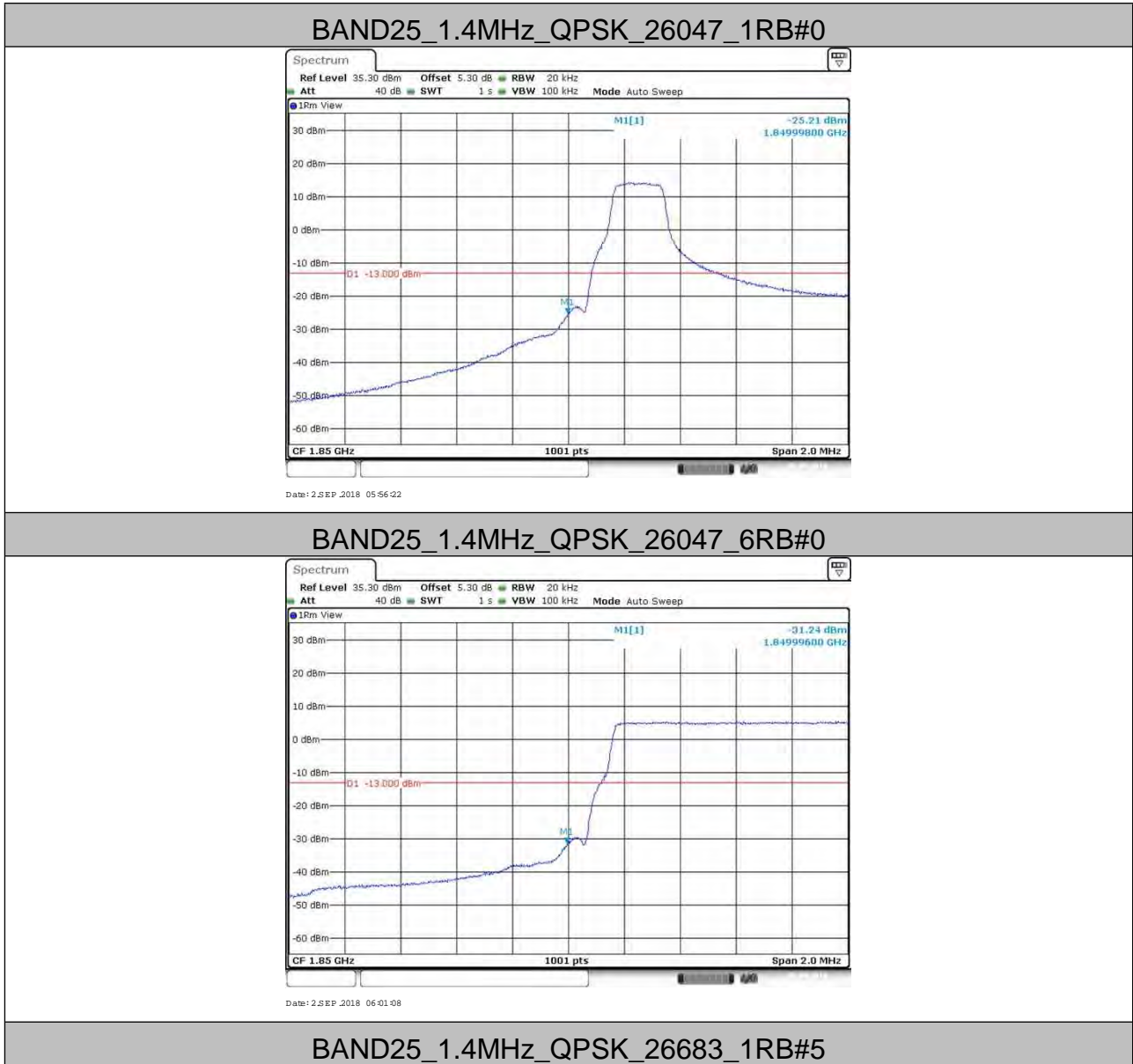


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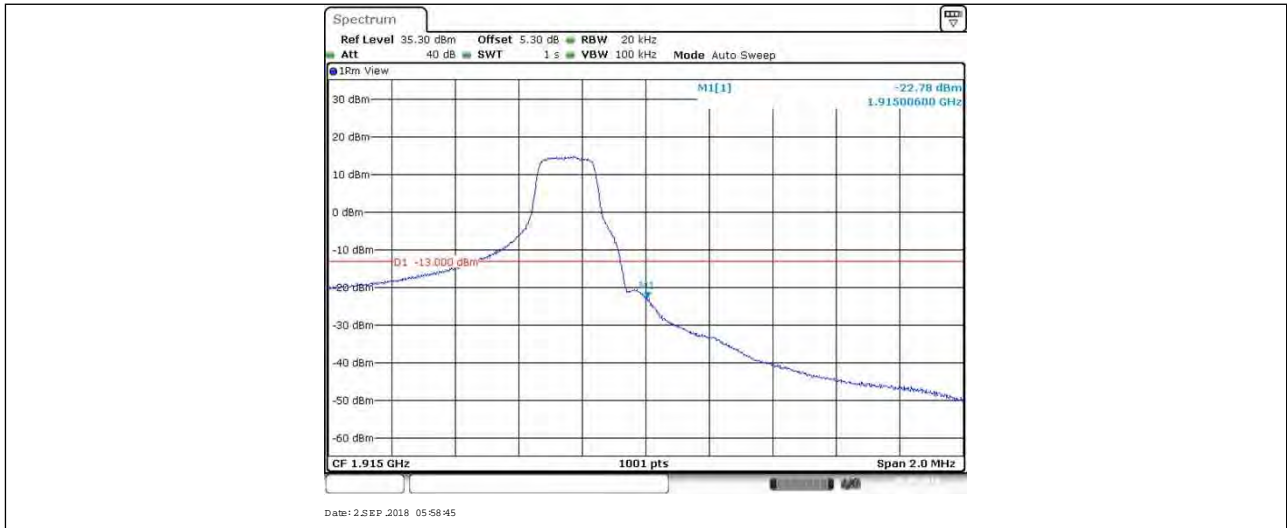


5 Band Edges Compliance

5.1. Test Plots



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BAND25_1.4MHz_QPSK_26683_6RB#0

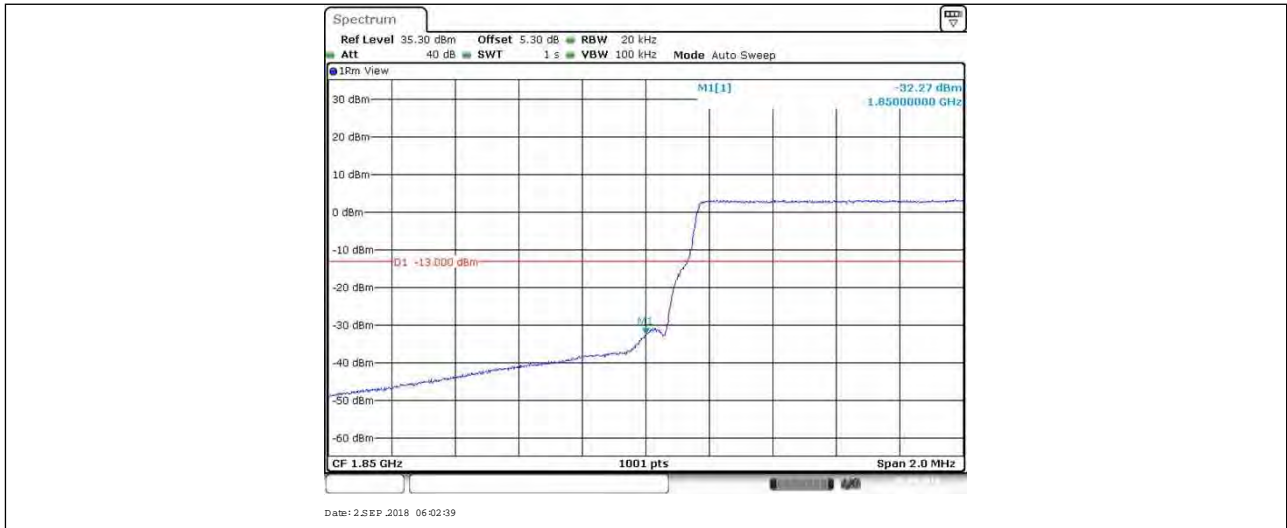


BAND25_1.4MHz_64QAM_26047_1RB#0



BAND25_1.4MHz_64QAM_26047_6RB#0

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BAND25_1.4MHz_64QAM_26683_1RB#5

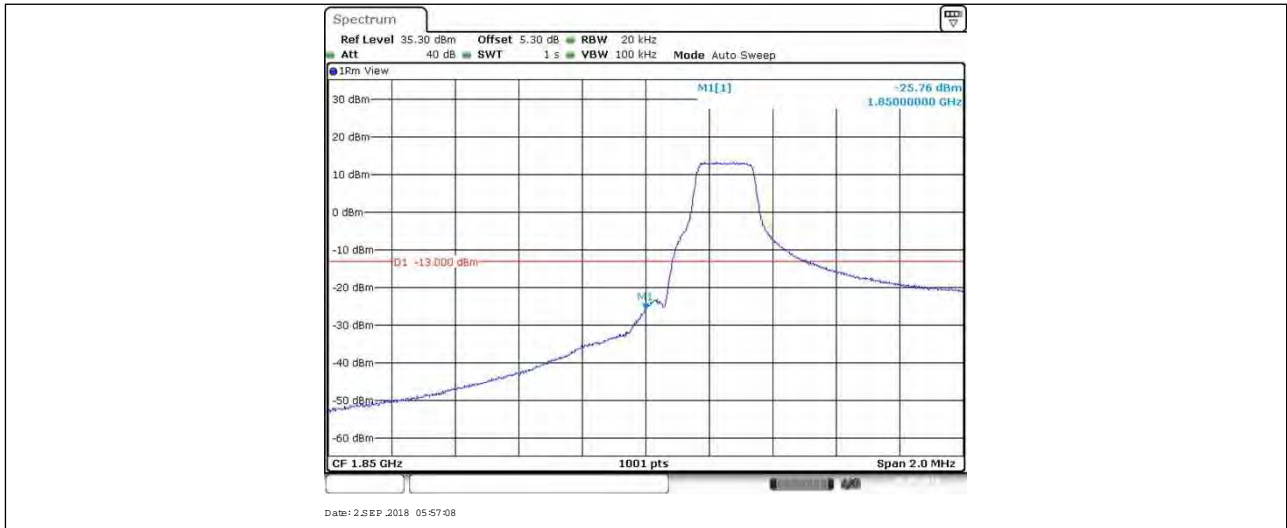


BAND25_1.4MHz_64QAM_26683_6RB#0

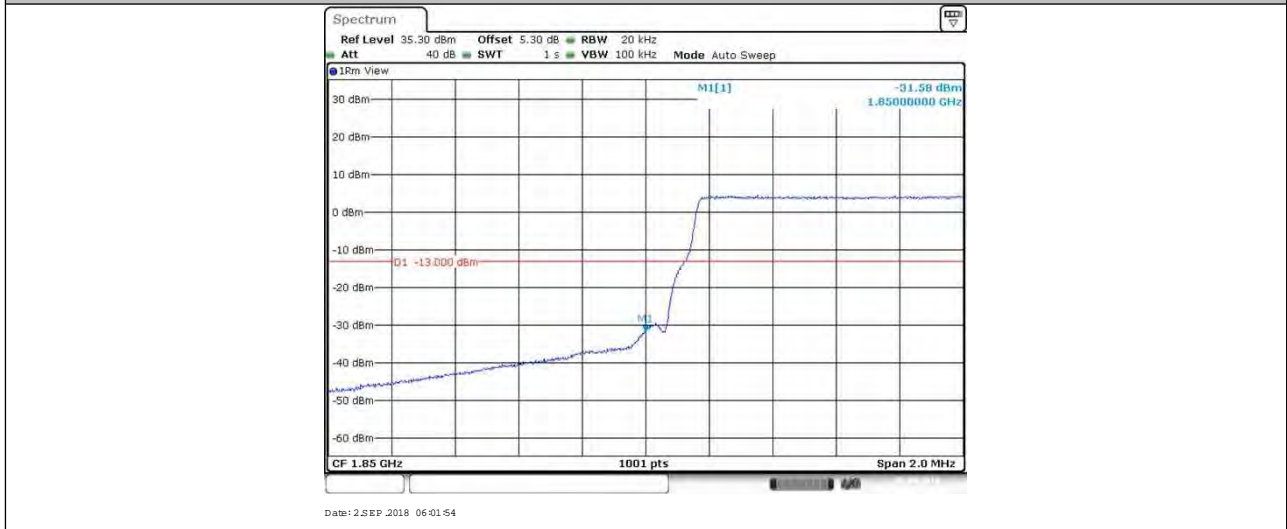


BAND25_1.4MHz_16QAM_26047_1RB#0

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BAND25_1.4MHz_16QAM_26047_6RB#0

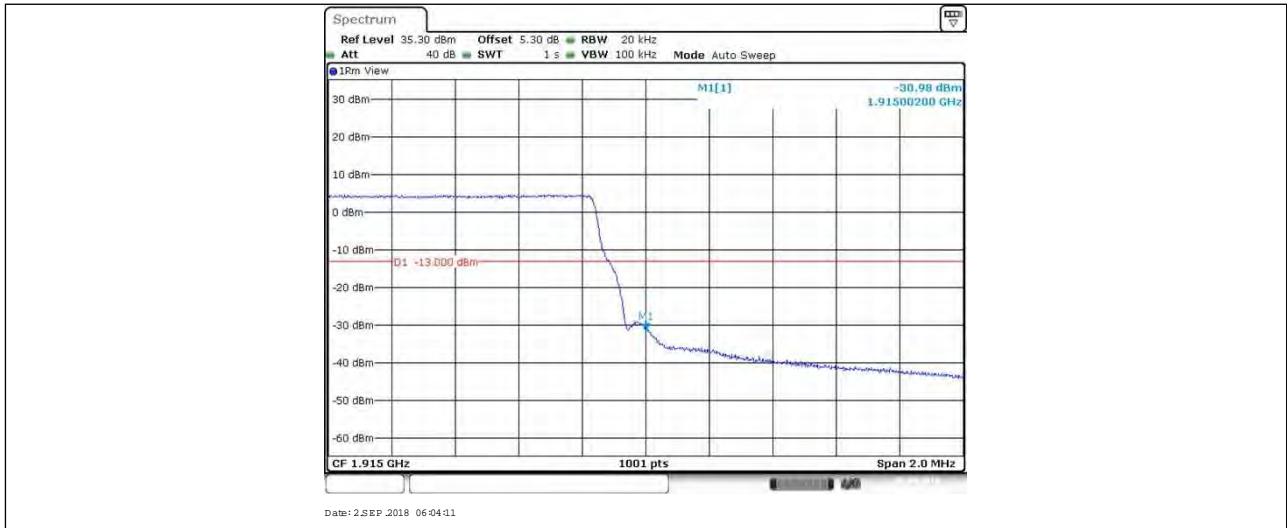


BAND25_1.4MHz_16QAM_26683_1RB#5



BAND25_1.4MHz_16QAM_26683_6RB#0

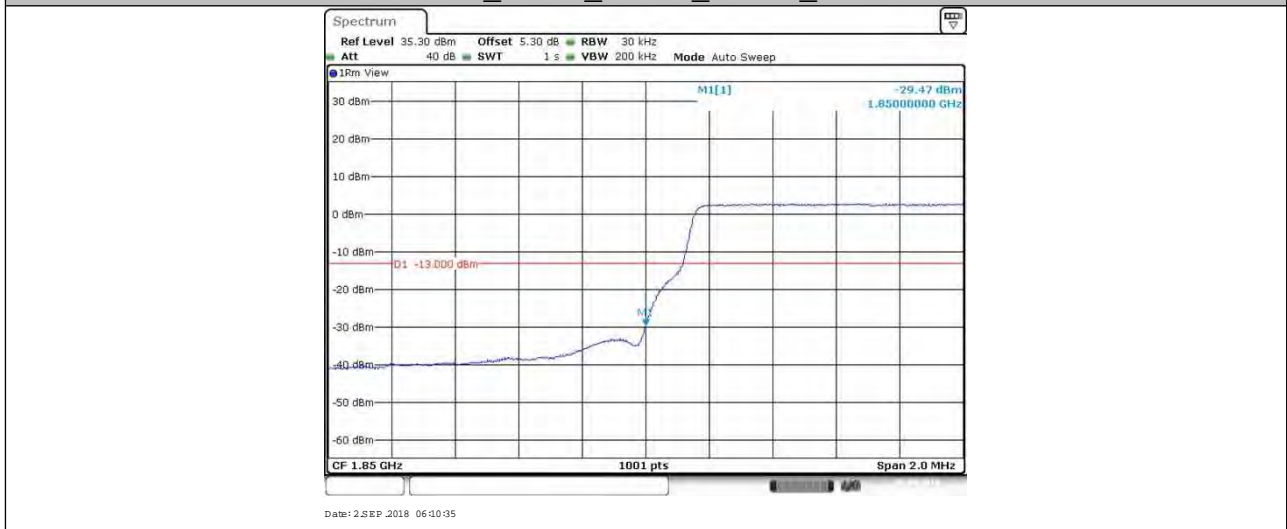
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BAND25_3MHz_QPSK_26055_1RB#0



BAND25_3MHz_QPSK_26055_15RB#0



BAND25_3MHz_QPSK_26675_1RB#14

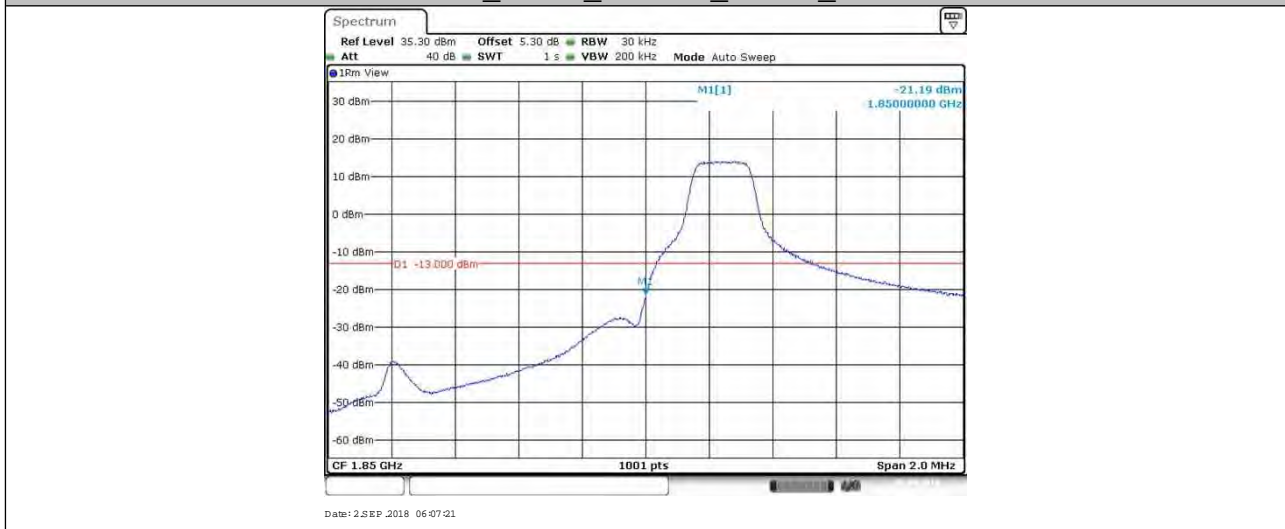
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BAND25_3MHz_QPSK_26675_15RB#0

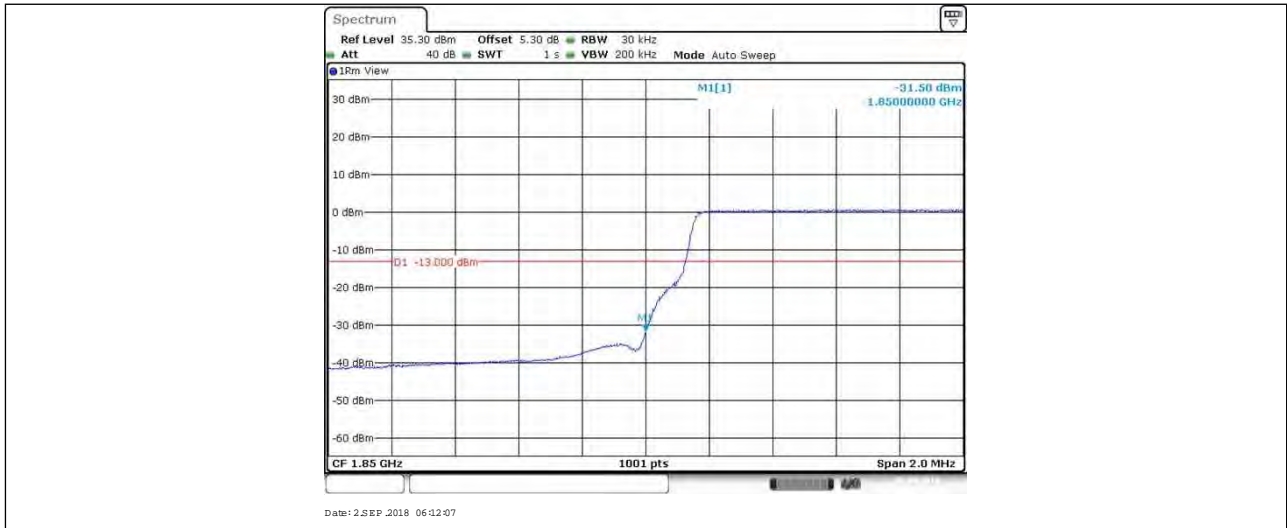


BAND25_3MHz_64QAM_26055_1RB#0



BAND25_3MHz_64QAM_26055_15RB#0

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BAND25_3MHz_64QAM_26675_1RB#14

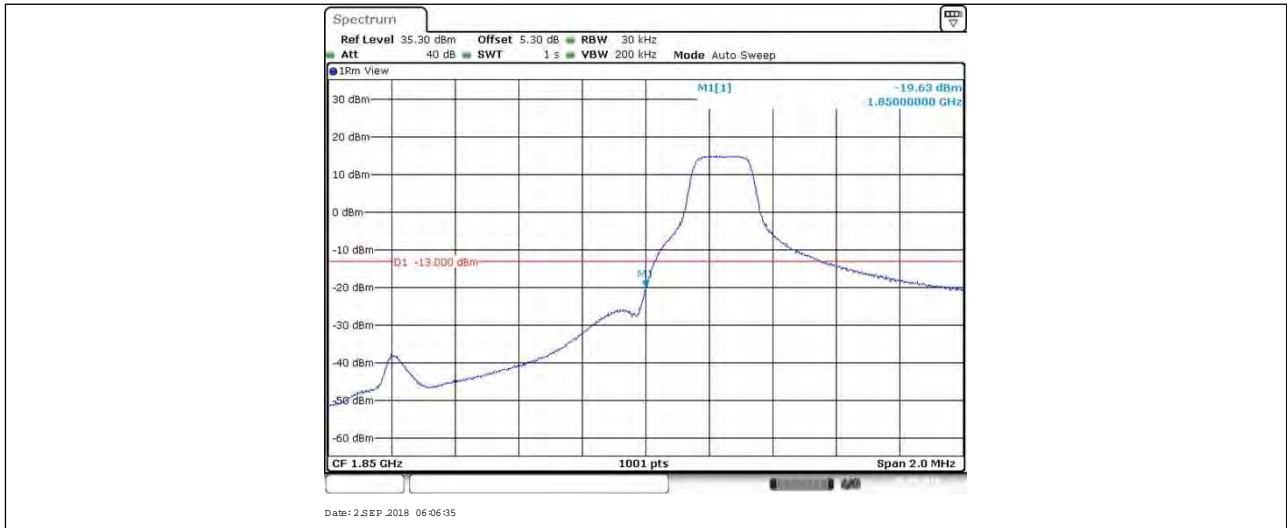


BAND25_3MHz_64QAM_26675_15RB#0



BAND25_3MHz_16QAM_26055_1RB#0

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BAND25_3MHz_16QAM_26055_15RB#0

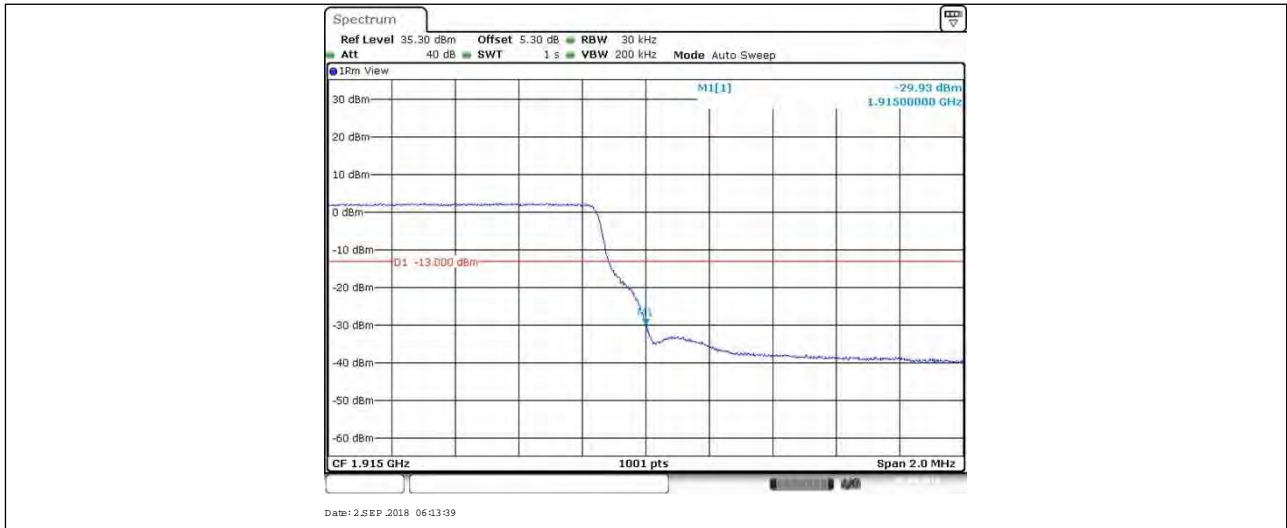


BAND25_3MHz_16QAM_26675_1RB#14



BAND25_3MHz_16QAM_26675_15RB#0

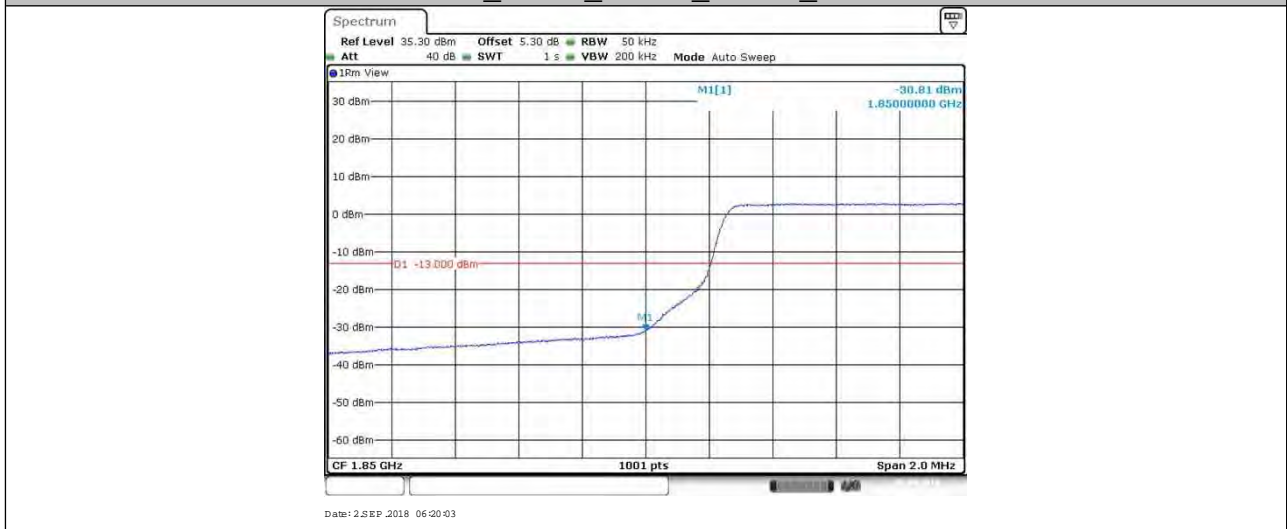
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BAND25_5MHz_QPSK_26065_1RB#0



BAND25_5MHz_QPSK_26065_25RB#0



BAND25_5MHz_QPSK_26665_1RB#24

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BAND25_5MHz_QPSK_26665_25RB#0

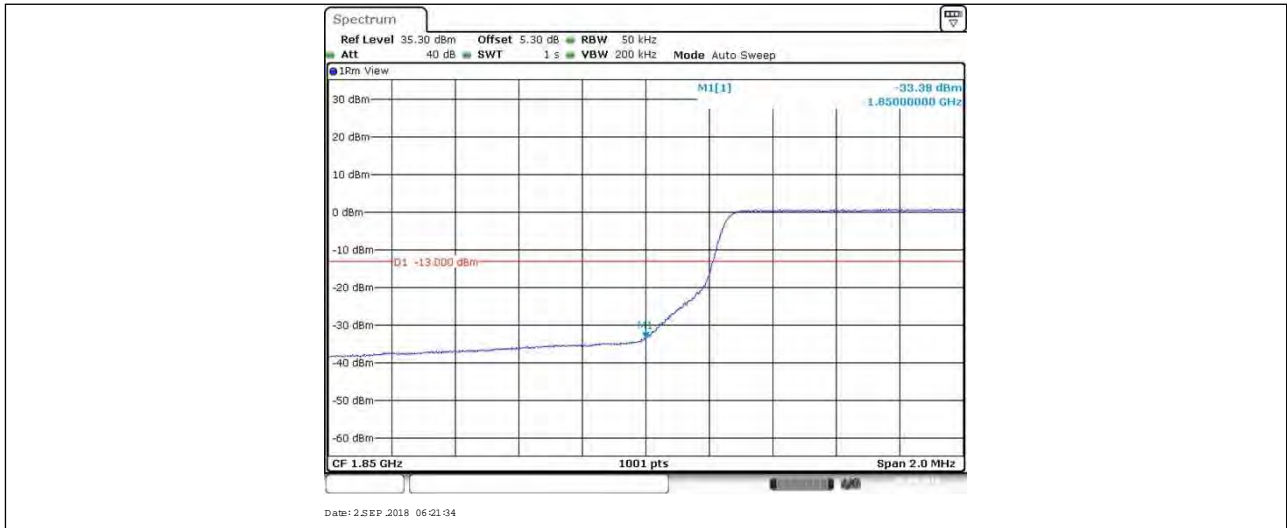


BAND25_5MHz_64QAM_26065_1RB#0



BAND25_5MHz_64QAM_26065_25RB#0

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BAND25_5MHz_64QAM_26665_1RB#24

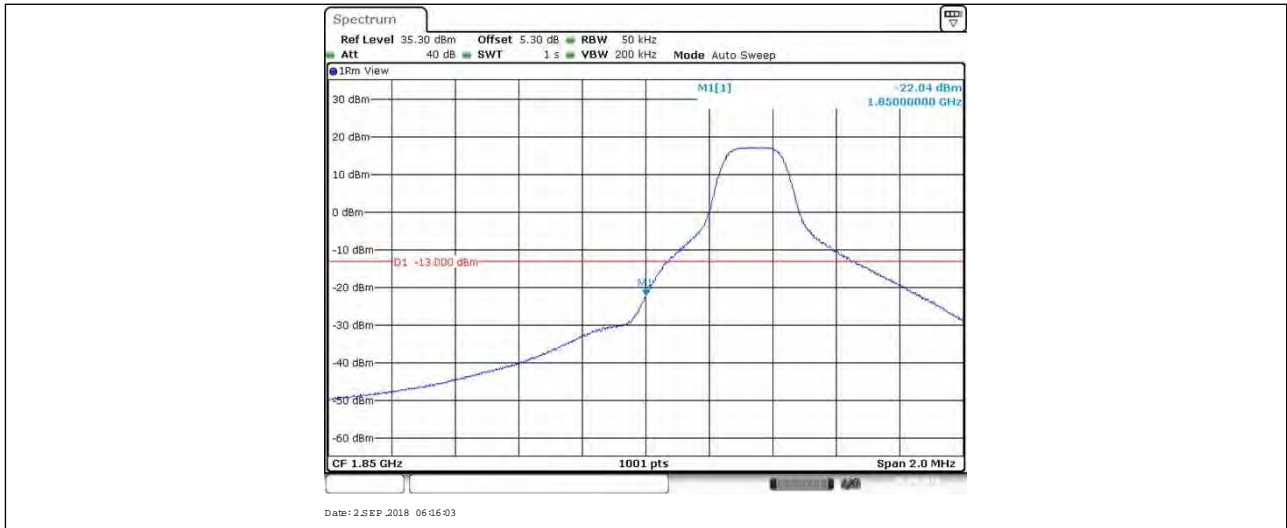


BAND25_5MHz_64QAM_26665_25RB#0

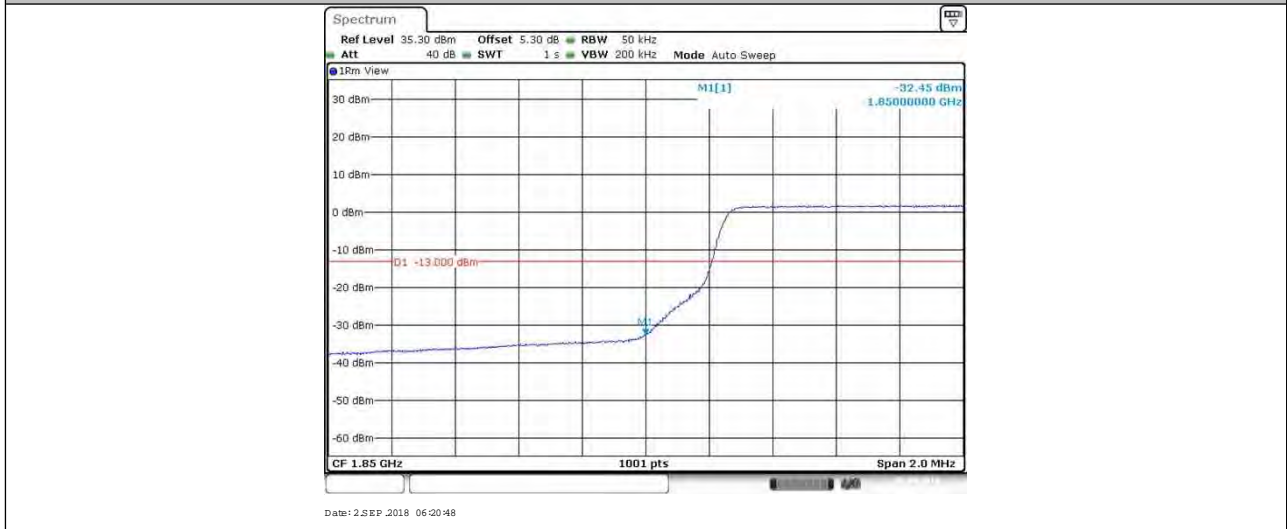


BAND25_5MHz_16QAM_26065_1RB#0

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BAND25_5MHz_16QAM_26065_25RB#0



BAND25_5MHz_16QAM_26665_1RB#24



BAND25_5MHz_16QAM_26665_25RB#0

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BAND25_10MHz_QPSK_26090_1RB#0



BAND25_10MHz_QPSK_26090_50RB#0



BAND25_10MHz_QPSK_26640_1RB#49

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BAND25_10MHz_QPSK_26640_50RB#0

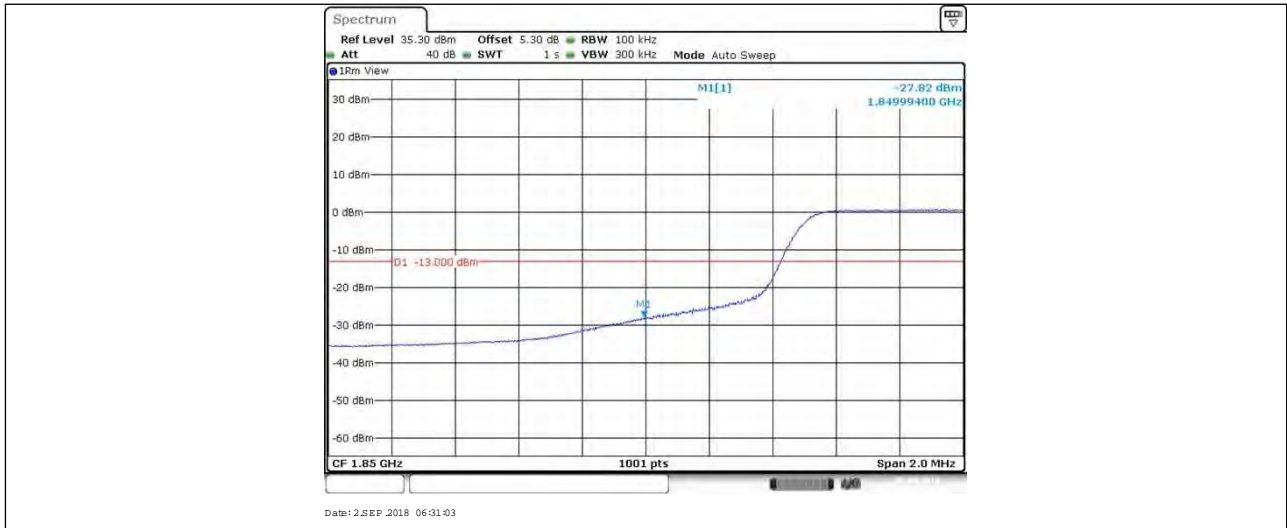


BAND25_10MHz_64QAM_26090_1RB#0



BAND25_10MHz_64QAM_26090_50RB#0

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BAND25_10MHz_64QAM_26640_1RB#49



BAND25_10MHz_64QAM_26640_50RB#0



BAND25_10MHz_16QAM_26090_1RB#0

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BAND25_10MHz_16QAM_26090_50RB#



BAND25_10MHz_16QAM_26640_1RB#49



BAND25_10MHz_16QAM_26640_50RB#

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BAND25_15MHz_QPSK_26115_1RB#0

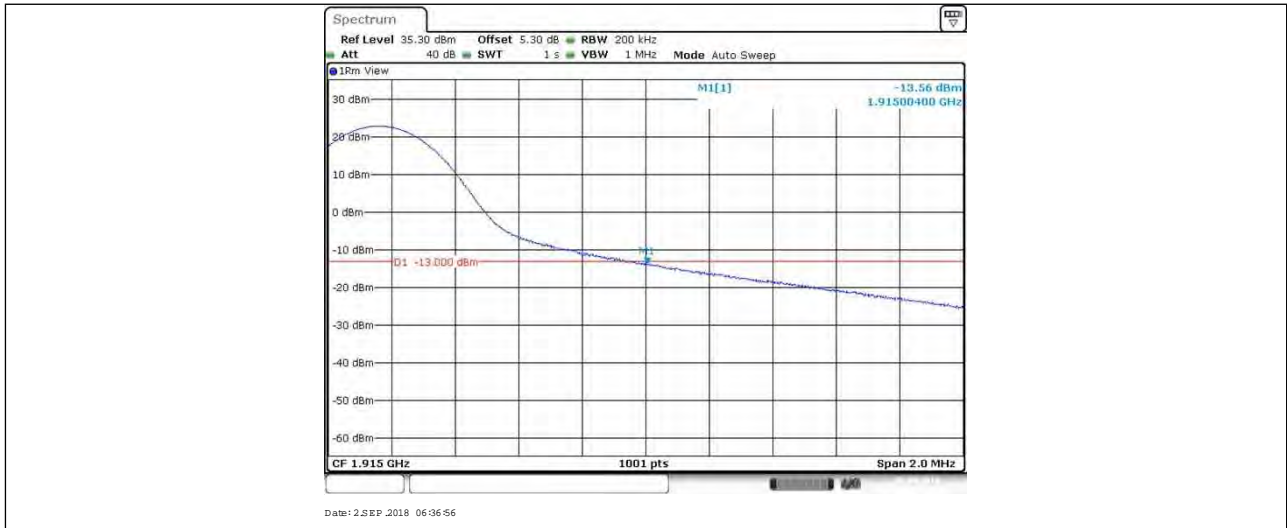


BAND25_15MHz_QPSK_26115_75RB#0



BAND25_15MHz_QPSK_26615_1RB#74

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BAND25_15MHz_QPSK_26615_75RB#0



BAND25_15MHz_64QAM_26115_1RB#0



BAND25_15MHz_64QAM_26115_75RB#0

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BAND25_15MHz_64QAM_26615_1RB#74



BAND25_15MHz_64QAM_26615_75RB#0



BAND25_15MHz_16QAM_26115_1RB#0

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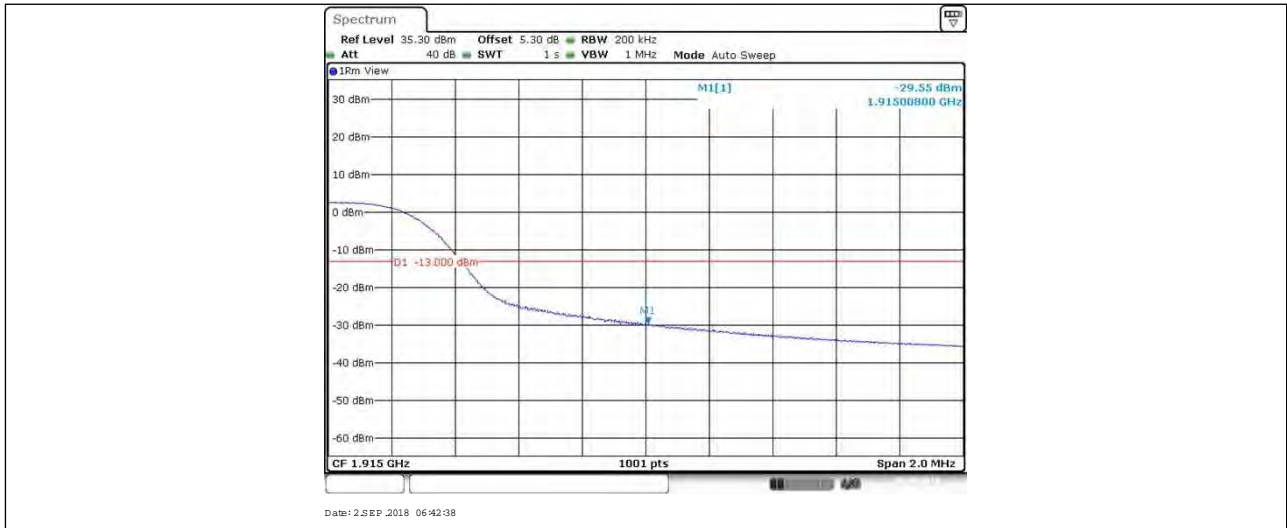


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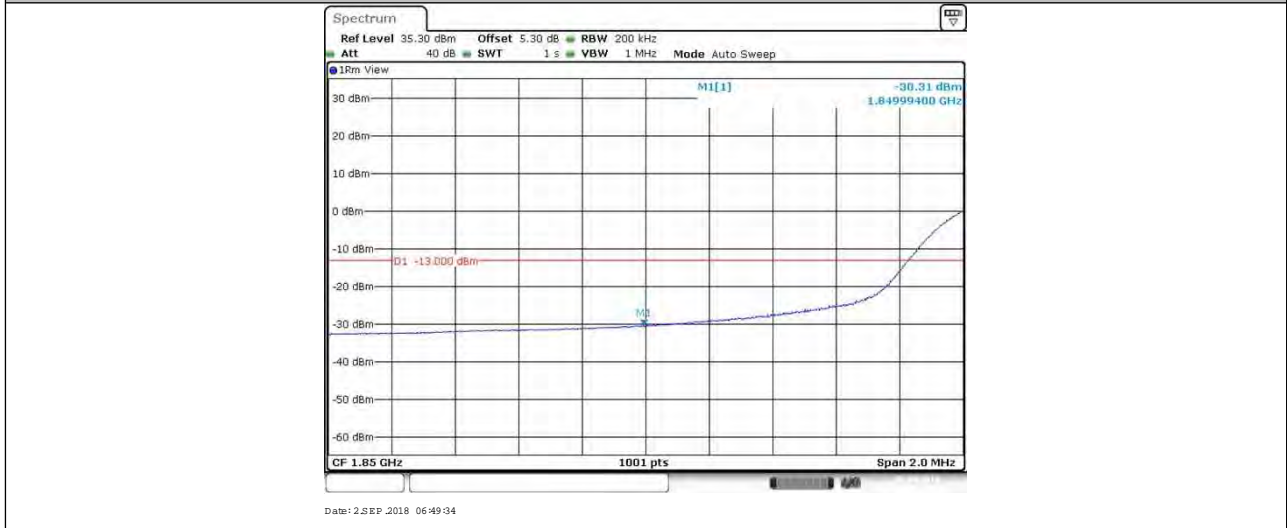
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BAND25_20MHz_QPSK_26140_1RB#0



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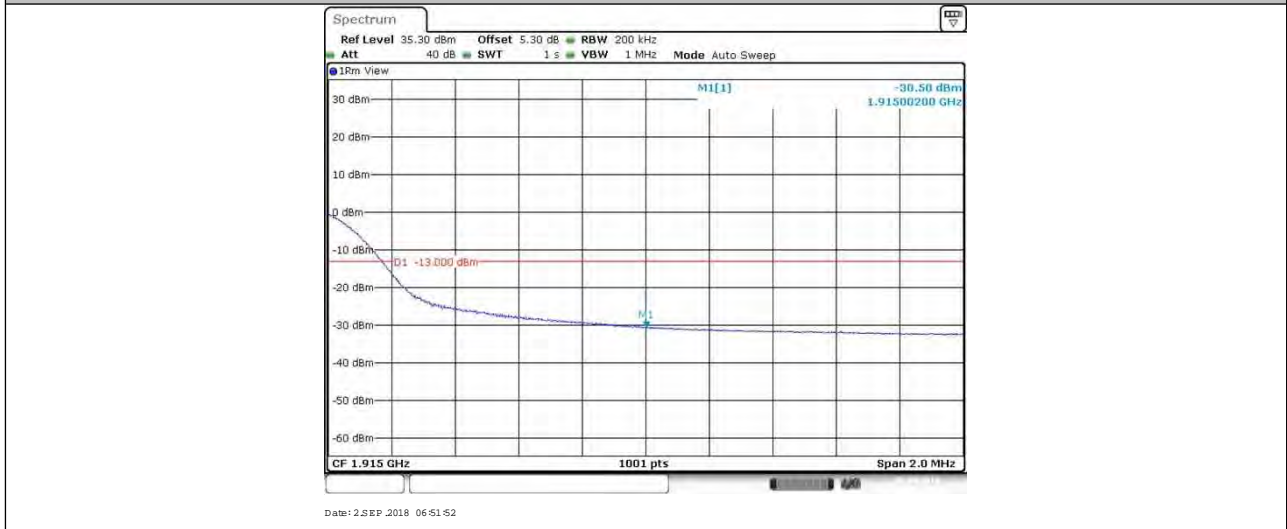


BAND25_20MHz_QPSK_26590_1RB#99

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BAND25_20MHz_QPSK_26590_100RB#0

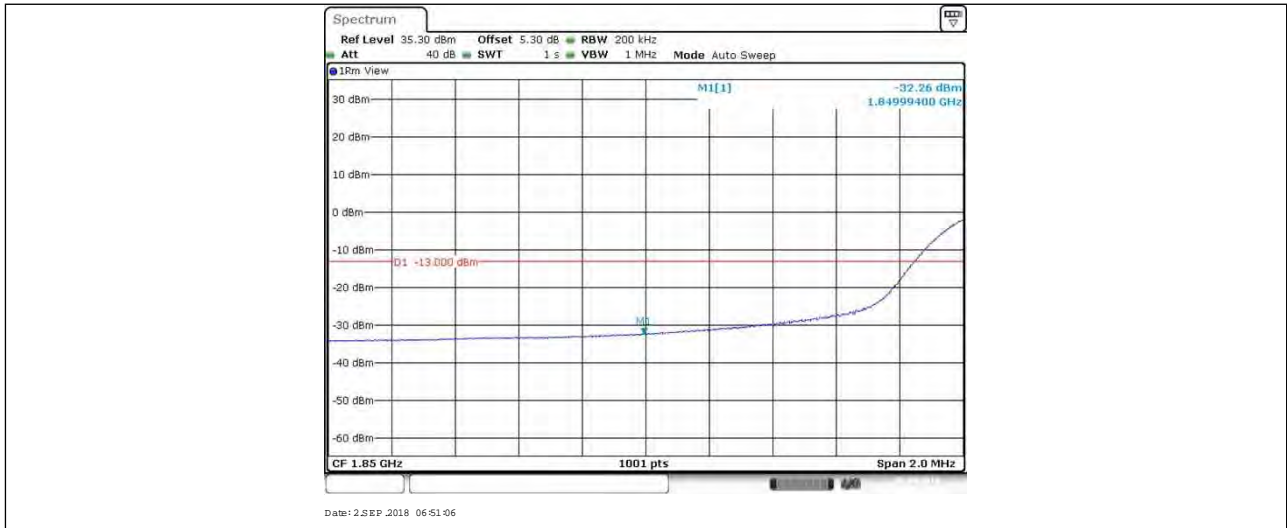


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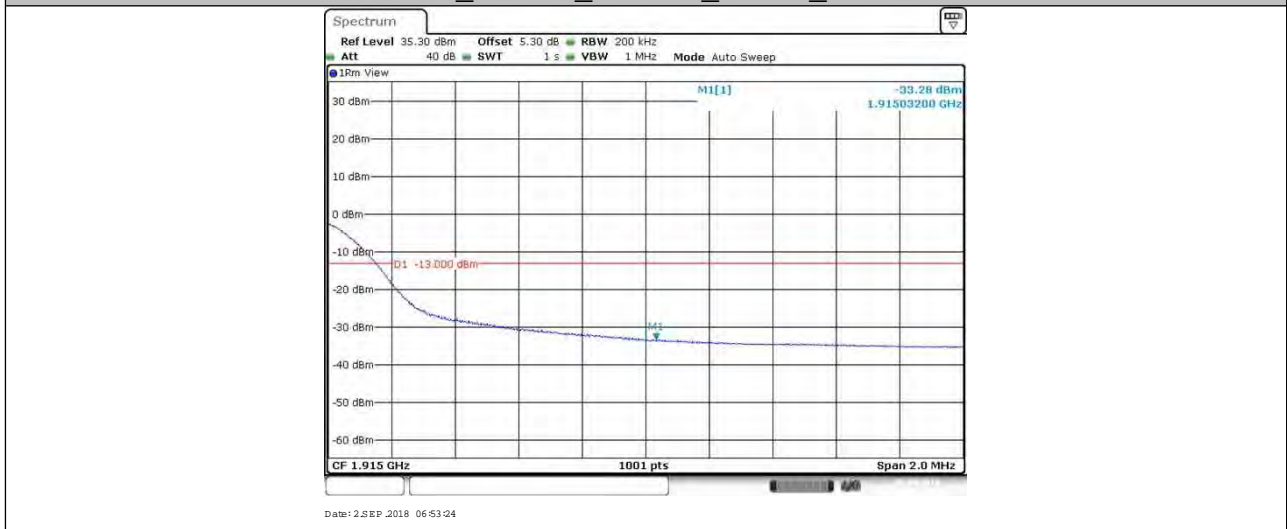
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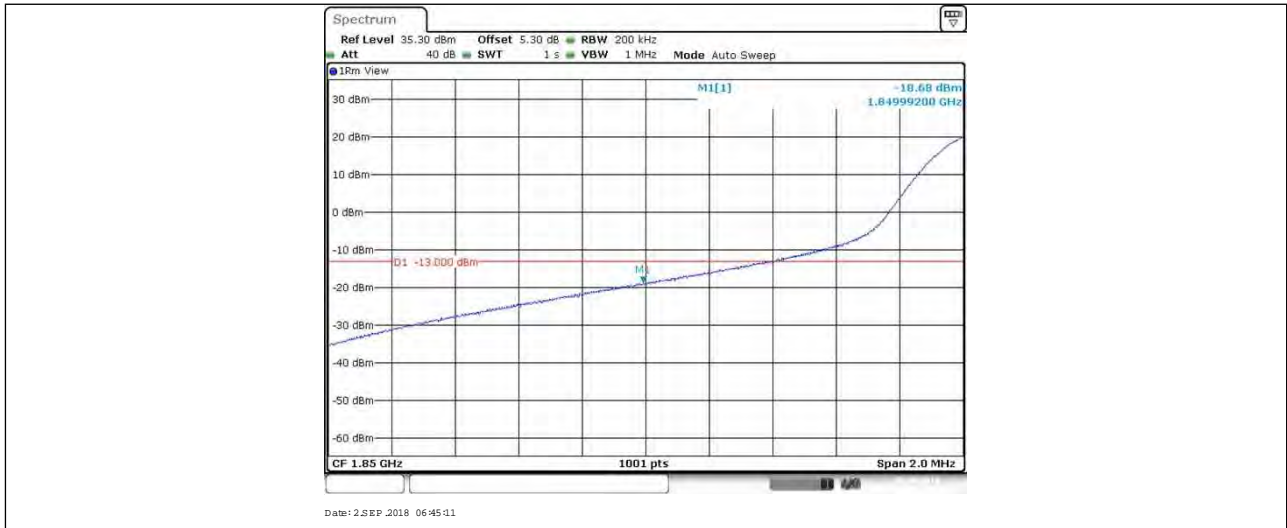


BAND25_20MHz_64QAM_26590_100RB#0



BAND25_20MHz_16QAM_26140_1RB#0

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BAND25_20MHz_16QAM_26140_100RB#0



BAND25_20MHz_16QAM_26590_1RB#99



BAND25_20MHz_16QAM_26590_100RB#0

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

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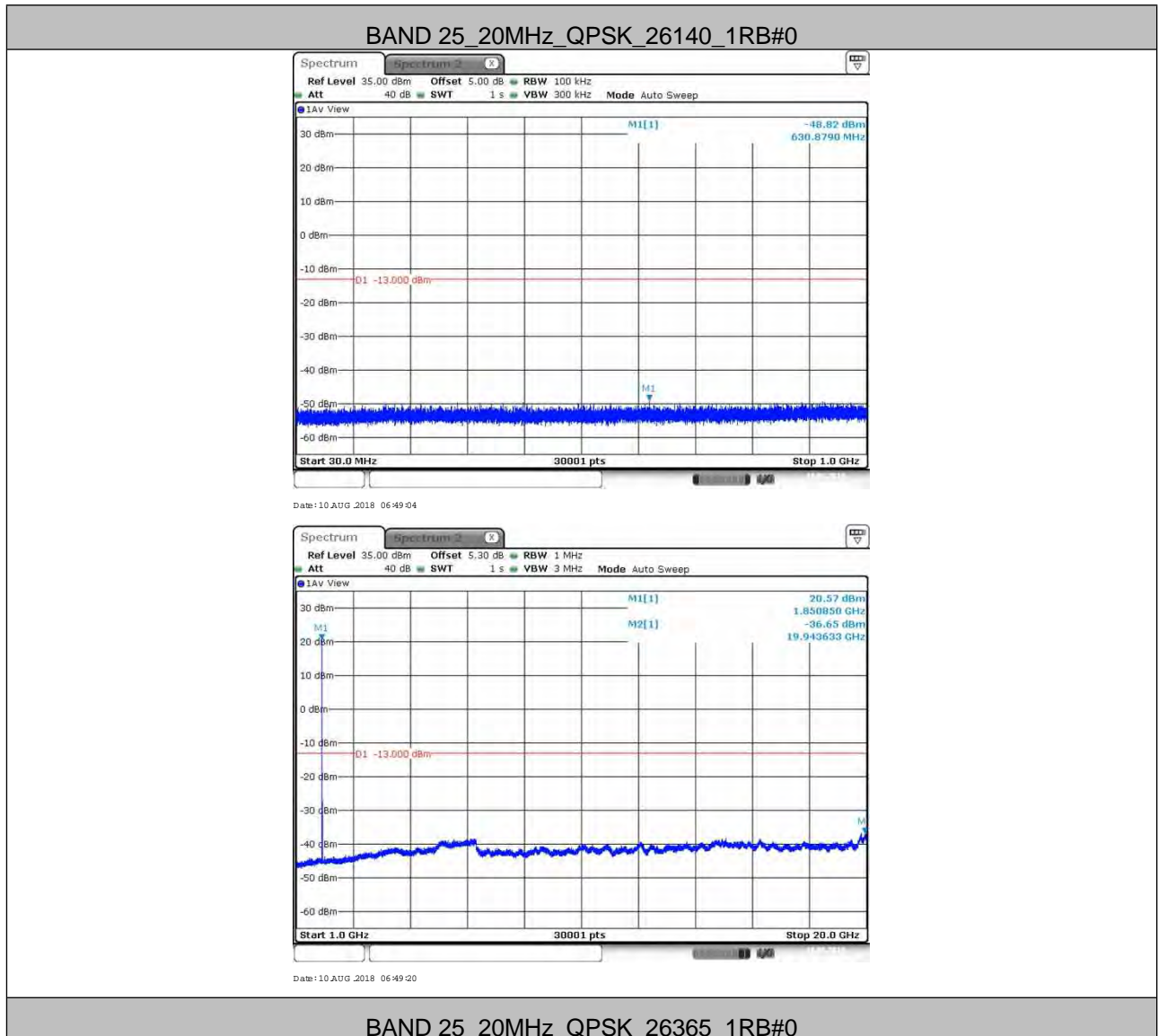


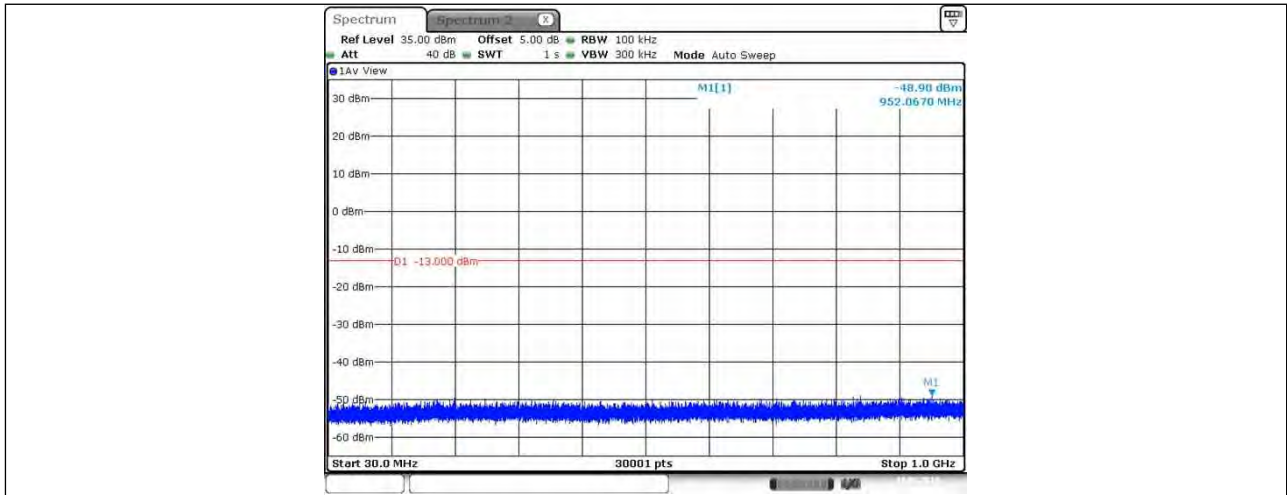
6 Spurious Emission at Antenna Terminal

NOTE1: 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.

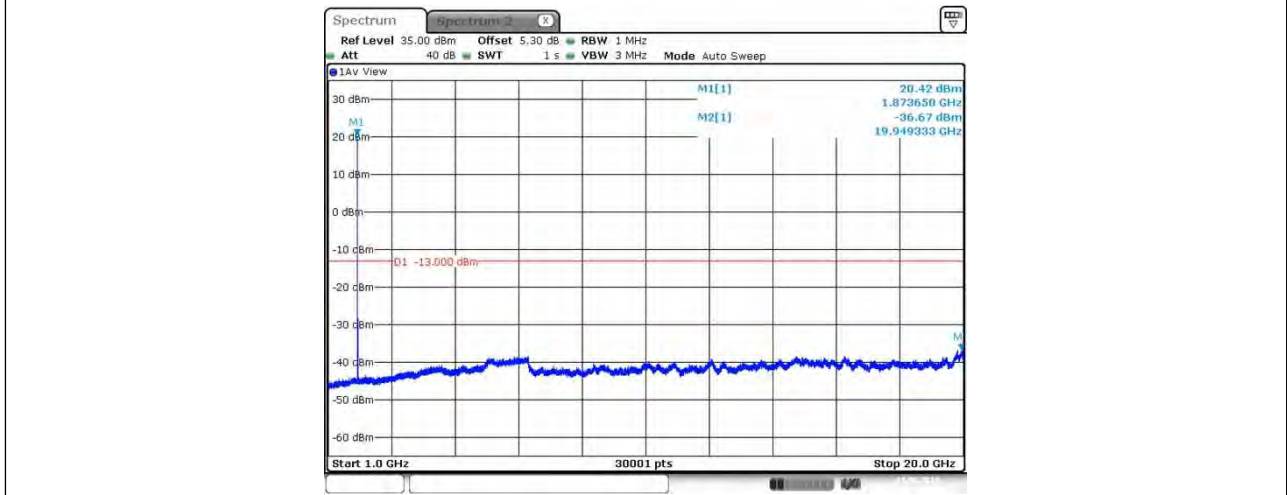
NOTE2: only the worst case data displayed in this report.

6.1. Test Plots



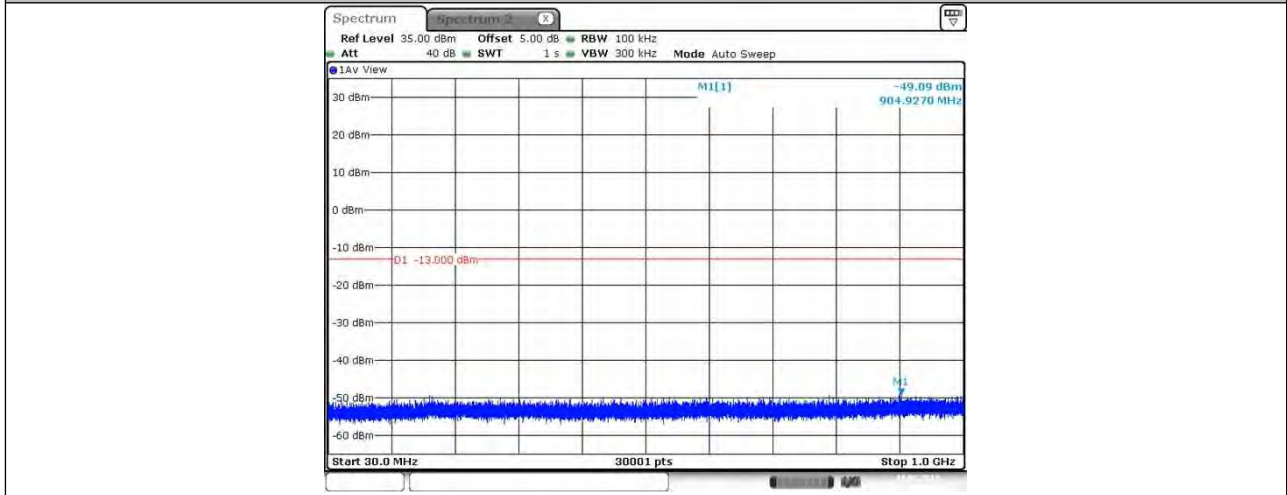


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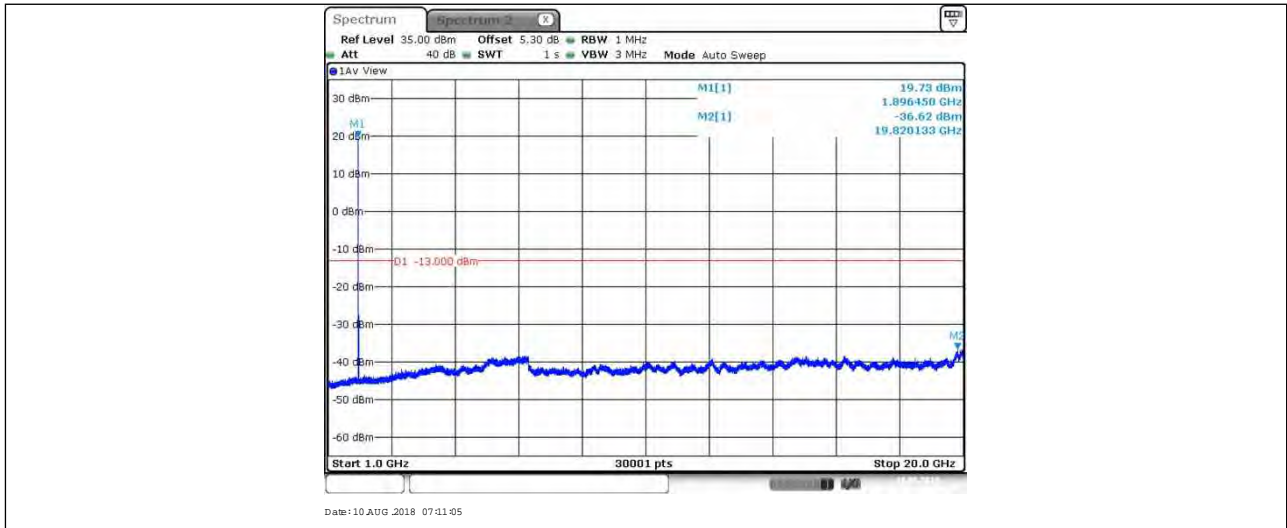
Date: 10 AUG 2018 07:09:13

BAND 25_20MHz_QPSK_26590_1RB#0

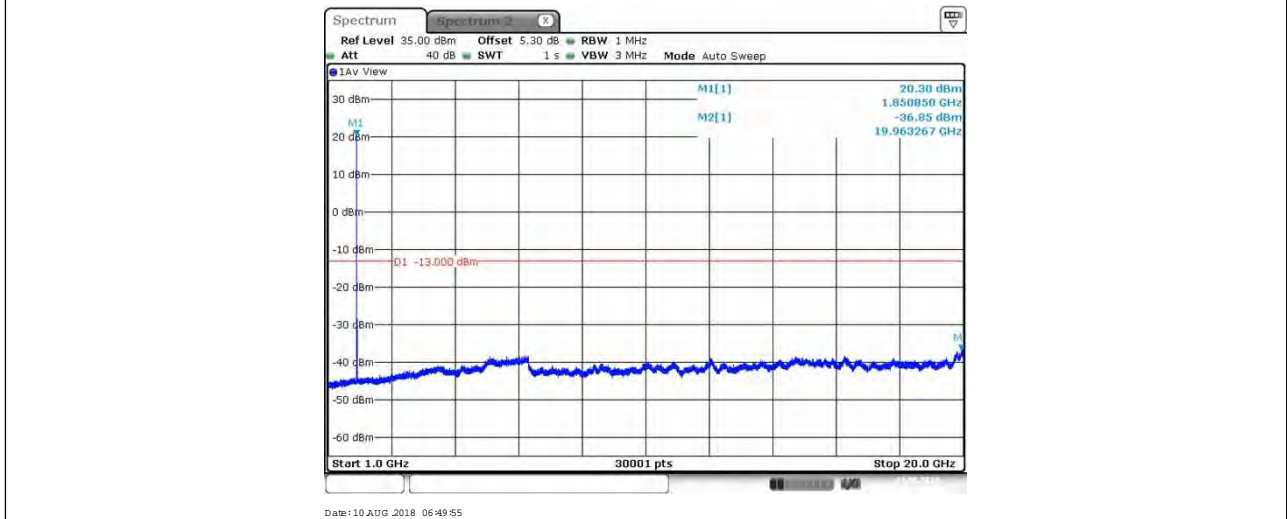
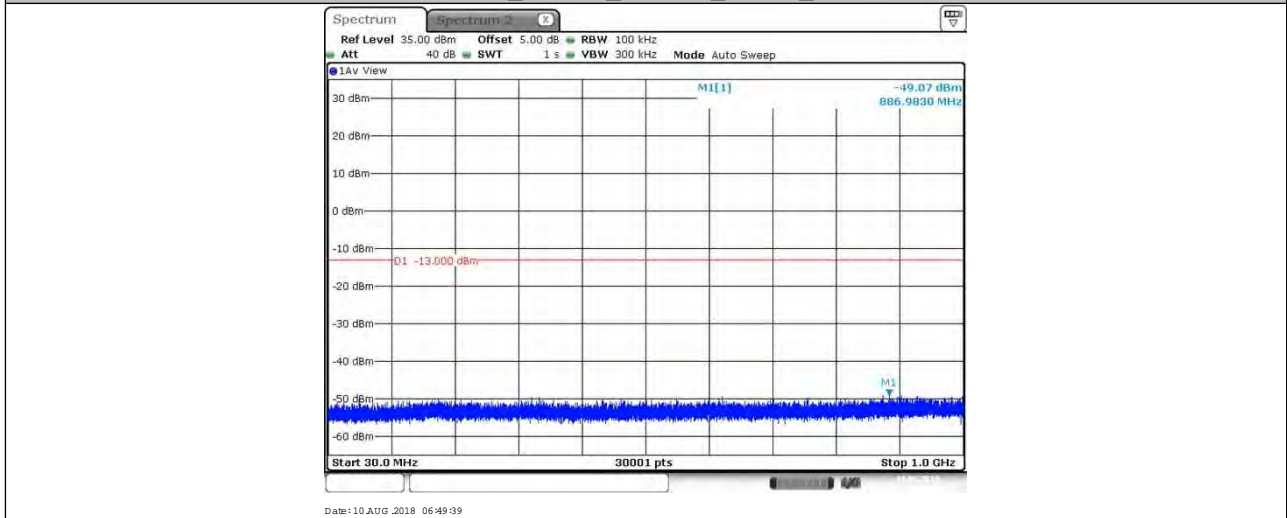


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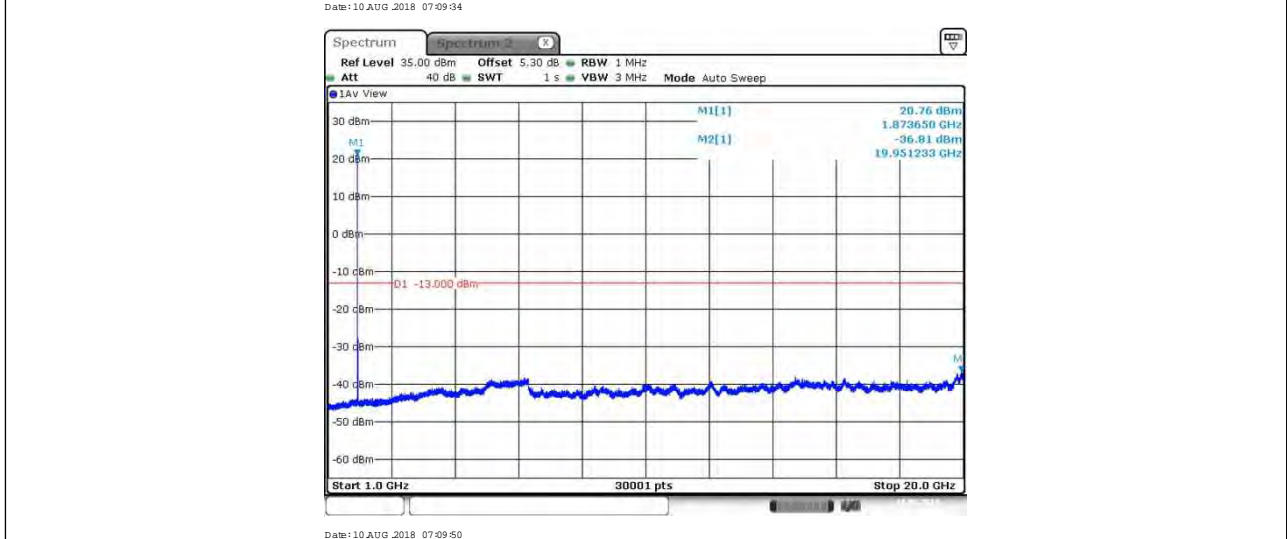
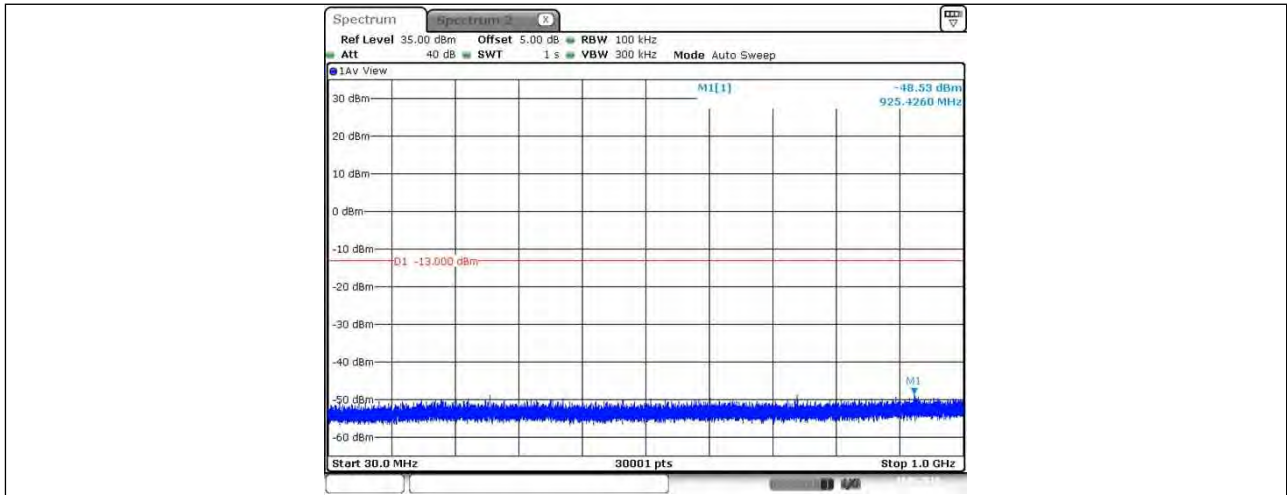


BAND 25_20MHz_16QAM_26140_1RB#0

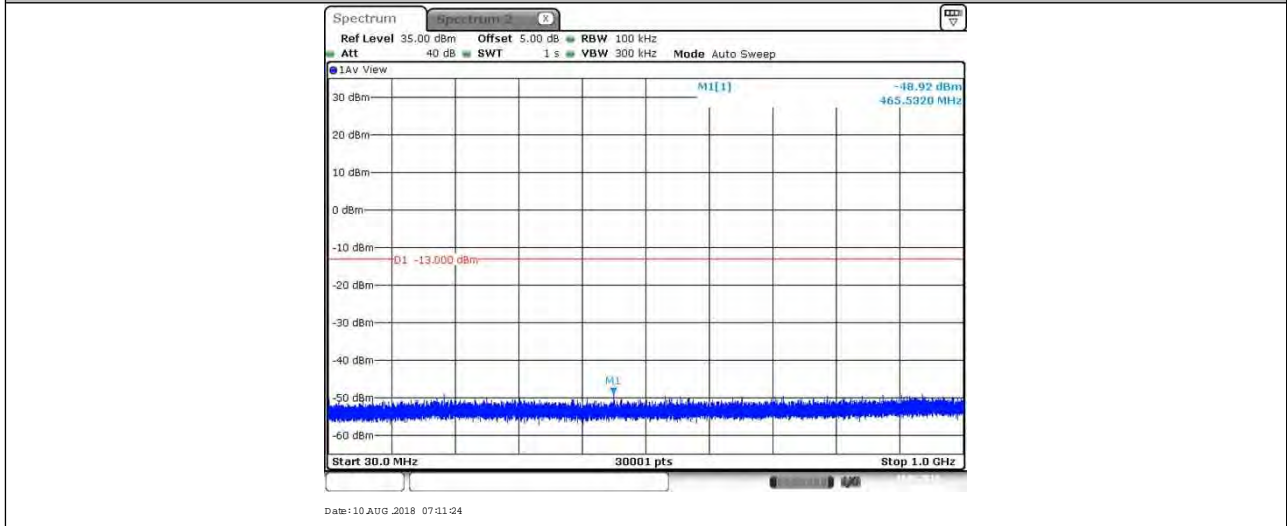


BAND 25_20MHz_16QAM_26365_1RB#0

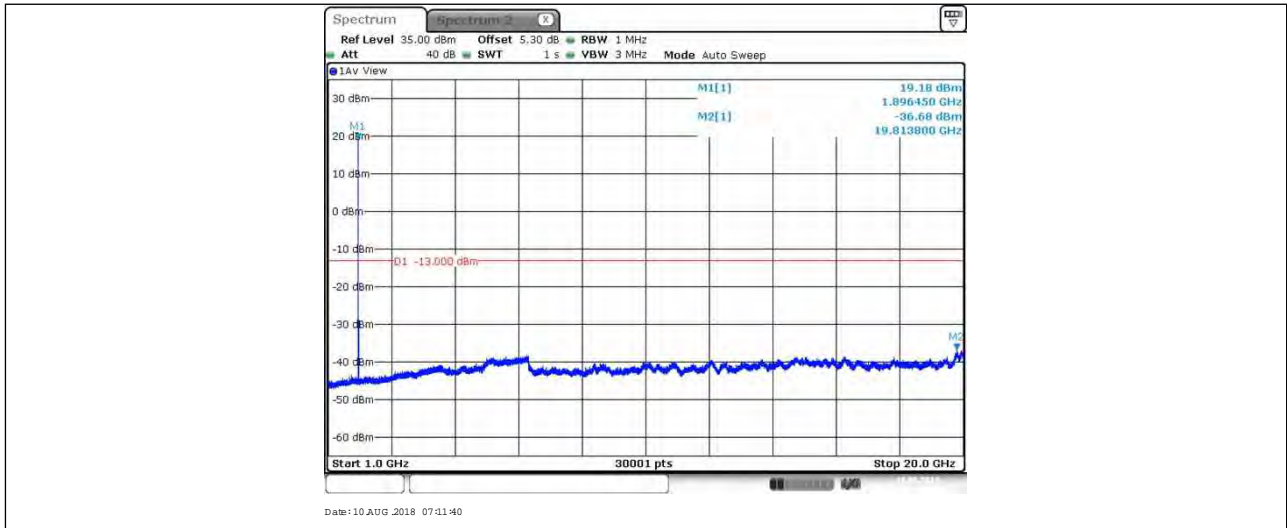
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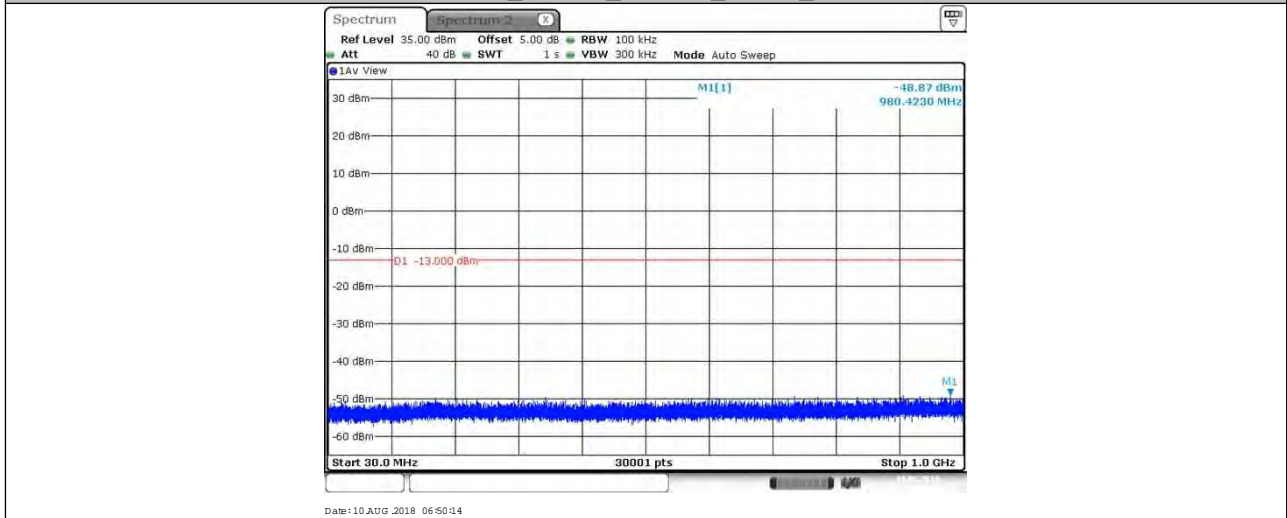
BAND 25_20MHz_16QAM_26590_1RB#0



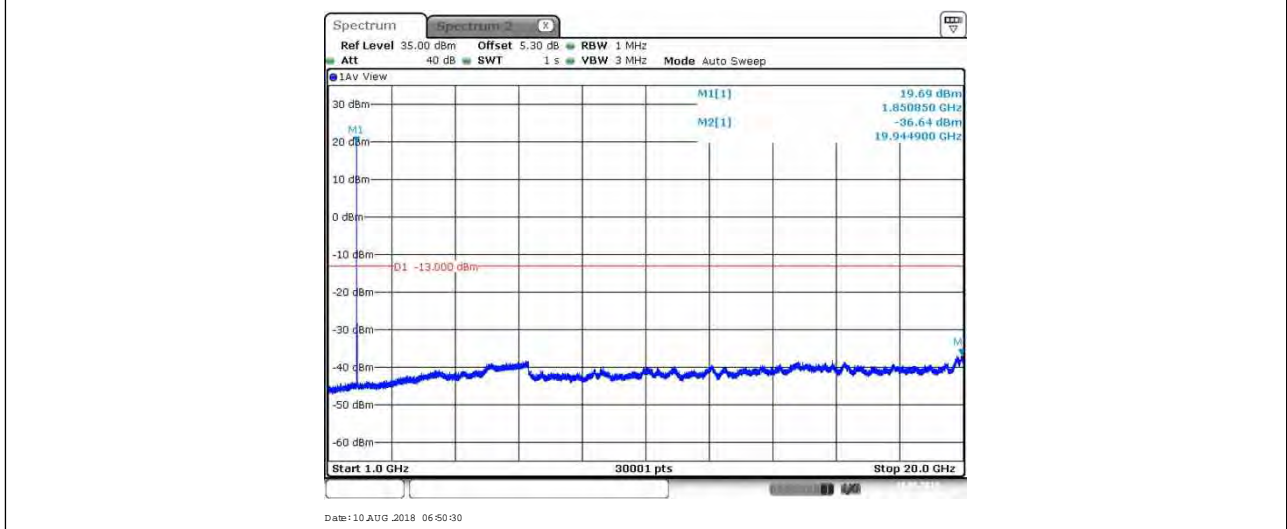
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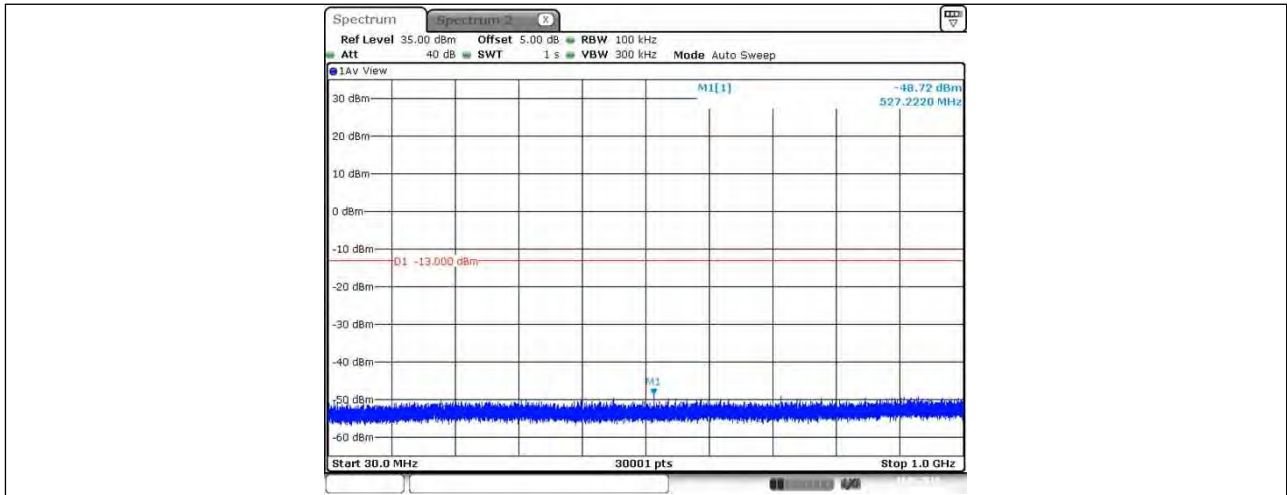
BAND 25_20MHz_64QAM_26140_1RB#0



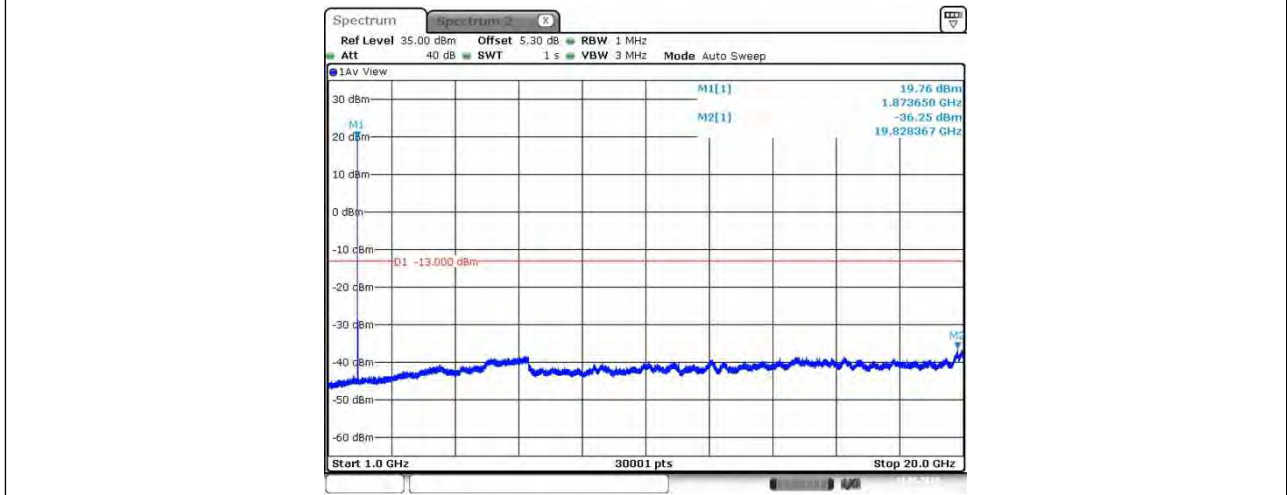
BAND 25_20MHz_64QAM_26365_1RB#0



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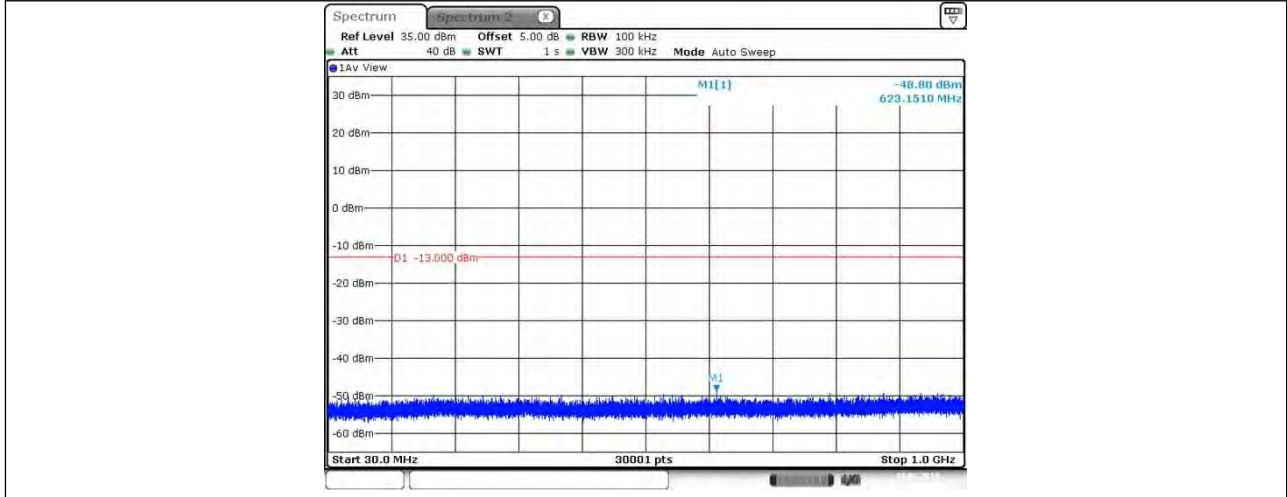


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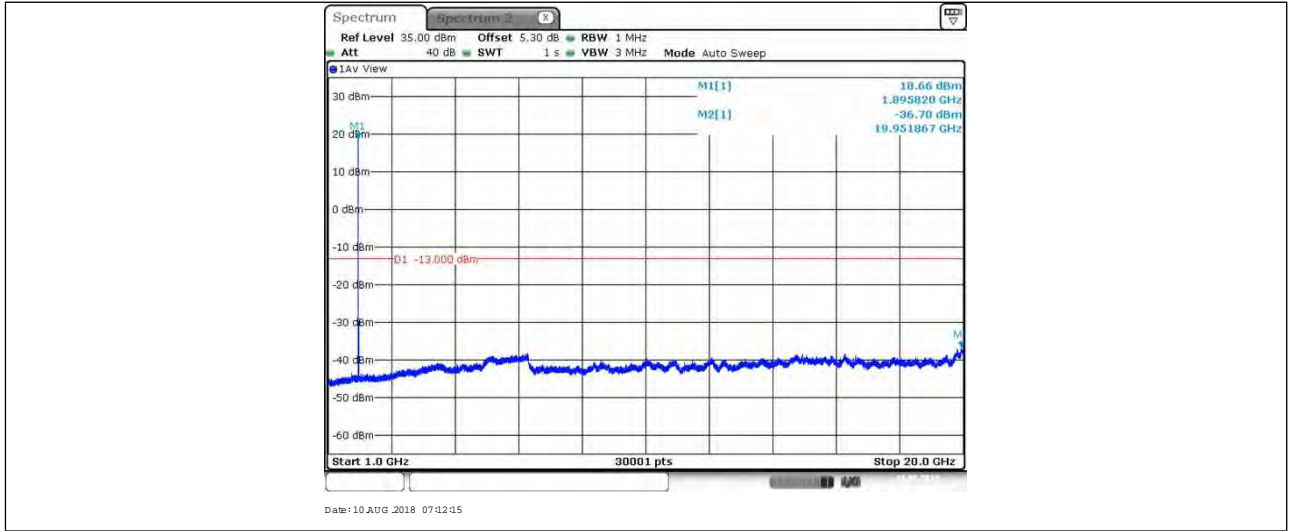
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BAND 25_20MHz_64QAM_26590_1RB#0



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7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test BAND = LTE BAND 25

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

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.500000	-81.54	-13.00	68.54	Vertical
90.500000	-81.50	-13.00	68.50	Vertical
2591.000000	-58.26	-13.00	45.26	Vertical
4403.350000	-66.50	-13.00	53.50	Vertical
5553.200000	-66.27	-13.00	53.27	Vertical
7857.450000	-63.75	-13.00	50.75	Vertical
62.850000	-77.59	-13.00	64.59	Horizontal
104.300000	-85.96	-13.00	72.96	Horizontal
1502.500000	-64.56	-13.00	51.56	Horizontal
3823.225000	-68.08	-13.00	55.08	Horizontal
5553.200000	-66.23	-13.00	53.23	Horizontal
7952.350000	-63.81	-13.00	50.81	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.800000	-81.94	-13.00	68.94	Vertical
90.550000	-81.30	-13.00	68.30	Vertical
1525.000000	-65.12	-13.00	52.12	Vertical
4420.900000	-66.36	-13.00	53.36	Vertical
7965.350000	-63.61	-13.00	50.61	Vertical
10618.325000	-63.00	-13.00	50.00	Vertical
62.200000	-77.94	-13.00	64.94	Horizontal
104.300000	-85.80	-13.00	72.80	Horizontal
1525.000000	-64.05	-13.00	51.05	Horizontal
4294.150000	-66.87	-13.00	53.87	Horizontal
5620.800000	-66.44	-13.00	53.44	Horizontal
9064.825000	-64.24	-13.00	51.24	Horizontal



7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.500000	-81.74	-13.00	68.74	Vertical
90.500000	-81.78	-13.00	68.78	Vertical
2673.500000	-57.48	-13.00	44.48	Vertical
4978.275000	-66.40	-13.00	53.40	Vertical
6250.975000	-65.43	-13.00	52.43	Vertical
9248.775000	-63.32	-13.00	50.32	Vertical
62.300000	-78.10	-13.00	65.10	Horizontal
104.300000	-86.11	-13.00	73.11	Horizontal
1213.000000	-67.07	-13.00	54.07	Horizontal
4410.825000	-67.39	-13.00	54.39	Horizontal
7026.100000	-65.08	-13.00	52.08	Horizontal
9213.675000	-63.74	-13.00	50.74	Horizontal

NOTE:

- 1) The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



8 Frequency Stability

8.1 Frequency Vs Voltage

BAND	Bandwidth	Modulation	Channel	Voltage						Limit (ppm)	Verdict
				RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
BAND25	20MHz	QPSK	26140	100RB#0	VH	NT	1.20	0.000645	±2.5	PASS	
				100RB#0	VL	NT	0.80	0.000430	±2.5	PASS	
				100RB#0	VN	NT	-0.80	-0.000430	±2.5	PASS	
			26365	100RB#0	VH	NT	3.80	0.002019	±2.5	PASS	
				100RB#0	VL	NT	3.10	0.001647	±2.5	PASS	
				100RB#0	VN	NT	5.10	0.002709	±2.5	PASS	
			26590	100RB#0	VH	NT	0.20	0.000105	±2.5	PASS	
				100RB#0	VL	NT	-0.20	-0.000105	±2.5	PASS	
				100RB#0	VN	NT	0.20	0.000105	±2.5	PASS	
		16QAM	26140	100RB#0	VH	NT	2.50	0.001344	±2.5	PASS	
				100RB#0	VL	NT	1.00	0.000538	±2.5	PASS	
				100RB#0	VN	NT	1.60	0.000860	±2.5	PASS	
			26365	100RB#0	VH	NT	4.80	0.002550	±2.5	PASS	
				100RB#0	VL	NT	6.70	0.003559	±2.5	PASS	
				100RB#0	VN	NT	5.10	0.002709	±2.5	PASS	
			26590	100RB#0	VH	NT	0.70	0.000367	±2.5	PASS	
				100RB#0	VL	NT	1.70	0.000892	±2.5	PASS	
				100RB#0	VN	NT	1.00	0.000525	±2.5	PASS	
		64QAM	26140	100RB#0	VH	NT	2.20	0.001183	±2.5	PASS	
				100RB#0	VL	NT	0.50	0.000269	±2.5	PASS	
				100RB#0	VN	NT	0.80	0.000430	±2.5	PASS	
			26365	100RB#0	VH	NT	0.30	0.000159	±2.5	PASS	
				100RB#0	VL	NT	1.20	0.000637	±2.5	PASS	
				100RB#0	VN	NT	-0.30	-0.000159	±2.5	PASS	
			26590	100RB#0	VH	NT	3.10	0.001627	±2.5	PASS	
				100RB#0	VL	NT	0.80	0.000420	±2.5	PASS	
				100RB#0	VN	NT	1.00	0.000525	±2.5	PASS	

8.2 Frequency Vs Temperature

BAND	Bandwidth	Modulation	Channel	Temperature						Limit (ppm)	Verdict
				RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
BAND25	20MHz	QPSK	26140	100RB#0	NV	0	0.30	0.000161	±2.5	PASS	
				100RB#0	NV	10	0.50	0.000269	±2.5	PASS	
				100RB#0	NV	20	2.00	0.001075	±2.5	PASS	
				100RB#0	NV	-20	0.80	0.000430	±2.5	PASS	
				100RB#0	NV	-30	1.10	0.000591	±2.5	PASS	
			26365	100RB#0	NV	0	5.00	0.002656	±2.5	PASS	
				100RB#0	NV	10	6.00	0.003187	±2.5	PASS	
				100RB#0	NV	20	3.70	0.001965	±2.5	PASS	
				100RB#0	NV	-20	3.40	0.001806	±2.5	PASS	

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		16QAM	26590	100RB#0	NV	-30	3.90	0.002072	±2.5	PASS
				100RB#0	NV	0	-0.20	-0.000105	±2.5	PASS
				100RB#0	NV	10	-0.50	-0.000262	±2.5	PASS
				100RB#0	NV	20	1.60	0.000840	±2.5	PASS
				100RB#0	NV	-20	-0.30	-0.000157	±2.5	PASS
				100RB#0	NV	-30	0.60	0.000315	±2.5	PASS
			26140	100RB#0	NV	0	-0.60	-0.000323	±2.5	PASS
				100RB#0	NV	10	0.50	0.000269	±2.5	PASS
				100RB#0	NV	20	3.40	0.001828	±2.5	PASS
				100RB#0	NV	-20	-0.50	-0.000269	±2.5	PASS
				100RB#0	NV	-30	0.70	0.000376	±2.5	PASS
				26365	100RB#0	NV	0	3.10	0.001647	±2.5
		100RB#0	NV		10	6.00	0.003187	±2.5	PASS	
		100RB#0	NV		20	5.30	0.002815	±2.5	PASS	
		100RB#0	NV		-20	3.90	0.002072	±2.5	PASS	
		100RB#0	NV		-30	4.20	0.002231	±2.5	PASS	
		26590	100RB#0		NV	0	0.50	0.000262	±2.5	PASS
			100RB#0	NV	10	0.60	0.000315	±2.5	PASS	
			100RB#0	NV	20	1.00	0.000525	±2.5	PASS	
			100RB#0	NV	-20	2.90	0.001522	±2.5	PASS	
			100RB#0	NV	-30	0.50	0.000262	±2.5	PASS	
			64QAM	26140	100RB#0	NV	0	1.80	0.000968	±2.5
		100RB#0			NV	10	2.70	0.001452	±2.5	PASS
		100RB#0			NV	20	0.70	0.000367	±2.5	PASS
		100RB#0			NV	-20	1.30	0.000699	±2.5	PASS
		100RB#0			NV	-30	1.10	0.000584	±2.5	PASS
		26365			100RB#0	NV	0	0.30	0.000159	±2.5
				100RB#0	NV	10	1.40	0.000744	±2.5	PASS
				100RB#0	NV	20	1.10	0.000584	±2.5	PASS
				100RB#0	NV	-20	1.00	0.000531	±2.5	PASS
				100RB#0	NV	-30	2.50	0.001328	±2.5	PASS
				26590	100RB#0	NV	0	-1.40	-0.000735	±2.5
		100RB#0			NV	10	0.70	0.000367	±2.5	PASS
		100RB#0	NV		20	1.40	0.000735	±2.5	PASS	
		100RB#0	NV		-20	0.20	0.000105	±2.5	PASS	
		100RB#0	NV		-30	1.80	0.000945	±2.5	PASS	

The End

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