



Appendix B

E-UTRA Band 4





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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



1. Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.14	22.36	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.27	22.49	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.12	22.34	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.21	22.43	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.27	22.49	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.24	22.46	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.33	21.55	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.22	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.34	22.56	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.21	22.43	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.32	22.54	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.37	22.59	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.33	22.55	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.36	21.58	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.20	22.42	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.32	22.54	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.20	22.42	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.27	22.49	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.34	22.56	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.28	22.50	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.29	21.51	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.38	21.60	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.58	21.80	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.45	21.67	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.38	21.60	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.46	21.68	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.35	21.57	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.37	20.59	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.51	21.73	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.53	21.75	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.48	21.70	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.43	21.65	30.00	PASS



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t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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Band4	1.4MHz	16QAM	20175	3RB#1	22.47	21.69	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.42	21.64	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.45	20.67	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.36	21.58	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.58	21.80	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.37	21.59	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.36	21.58	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.34	21.56	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.44	21.66	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.46	20.68	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.16	22.38	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.19	22.41	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.17	22.39	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.26	21.48	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.30	21.52	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.27	21.49	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.29	21.51	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.27	22.49	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.27	22.49	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.25	22.47	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.30	21.52	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.32	21.54	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.28	21.50	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.30	21.52	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.23	22.45	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.23	22.45	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.21	22.43	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.27	21.49	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.30	21.52	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.26	21.48	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.25	21.47	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.44	21.66	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.38	21.60	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.33	21.55	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.31	20.53	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.33	20.55	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.31	20.53	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.23	20.45	30.00	PASS



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Band4	3MHz	16QAM	20175	1RB#0	22.47	21.69	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.53	21.75	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.48	21.70	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.41	20.63	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.42	20.64	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.36	20.58	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.35	20.57	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.50	21.72	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.46	21.68	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.42	21.64	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.34	20.56	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.39	20.61	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.39	20.61	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.30	20.52	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.05	22.27	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.34	22.56	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.05	22.27	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.23	21.45	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.29	21.51	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.20	21.42	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.28	21.50	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.15	22.37	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.43	22.65	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.16	22.38	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.30	21.52	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.34	21.56	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.27	21.49	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.32	21.54	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.15	22.37	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.43	22.65	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.10	22.32	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.26	21.48	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.32	21.54	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.24	21.46	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.28	21.50	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.26	21.48	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.53	21.75	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.29	21.51	30.00	PASS



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Band4	5MHz	16QAM	19975	12RB#0	21.26	20.48	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.34	20.56	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.31	20.53	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.26	20.48	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.44	21.66	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.64	21.86	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.33	21.55	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.44	20.66	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.43	20.65	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.37	20.59	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.35	20.57	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.37	21.59	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.61	21.83	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.32	21.54	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.39	20.61	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.45	20.67	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.37	20.59	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.33	20.55	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.15	22.37	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.30	22.52	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.20	22.42	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.32	21.54	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.28	21.50	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.36	21.58	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.31	21.53	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.23	22.45	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.36	22.58	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.25	22.47	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.40	21.62	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.36	21.58	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.32	21.54	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.37	21.59	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.23	22.45	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.37	22.59	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.19	22.41	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.37	21.59	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.35	21.57	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.32	21.54	30.00	PASS



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Band4	10MHz	QPSK	20350	50RB#0	22.36	21.58	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.40	21.62	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.45	21.67	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.31	21.53	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.27	20.49	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.30	20.52	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.36	20.58	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.34	20.56	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.37	21.59	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.52	21.74	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.40	21.62	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.44	20.66	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.41	20.63	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.38	20.60	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.42	20.64	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.43	21.65	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.64	21.86	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.45	21.67	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.43	20.65	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.40	20.62	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.36	20.58	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.40	20.62	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.10	22.32	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.24	22.46	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.17	22.39	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.23	21.45	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.29	21.51	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.30	21.52	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.29	21.51	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.22	22.44	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.30	22.52	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.20	22.42	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.39	21.61	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.37	21.59	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.39	21.61	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.40	21.62	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.23	22.45	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.33	22.55	30.00	PASS



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Band4	15MHz	QPSK	20325	1RB#74	23.18	22.40	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.36	21.58	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.37	21.59	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.33	21.55	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.37	21.59	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.43	21.65	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.35	21.57	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.41	21.63	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.30	20.52	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.36	20.58	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.35	20.57	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.29	20.51	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.36	21.58	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.46	21.68	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.41	21.63	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.47	20.69	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.44	20.66	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.44	20.66	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.44	20.66	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.37	21.59	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.50	21.72	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.47	21.69	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.43	20.65	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.46	20.68	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.41	20.63	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.43	20.65	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.08	22.30	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.35	22.57	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.12	22.34	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.28	21.50	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.34	21.56	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.30	21.52	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.26	21.48	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.09	22.31	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.36	22.58	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.14	22.36	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.47	21.69	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.38	21.60	30.00	PASS



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Band4	20MHz	QPSK	20175	50RB#50	22.32	21.54	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.39	21.61	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.14	22.36	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.40	22.62	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.09	22.31	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.36	21.58	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.38	21.60	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.35	21.57	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.35	21.57	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.26	21.48	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.46	21.68	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.25	21.47	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.28	20.50	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.37	20.59	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.31	20.53	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.25	20.47	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.22	21.44	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.64	21.86	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.33	21.55	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.49	20.71	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.41	20.63	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.38	20.60	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.42	20.64	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.43	21.65	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.69	21.91	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.42	21.64	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.40	20.62	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.40	20.62	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.41	20.63	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.40	20.62	30.00	PASS

Remark:

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

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

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



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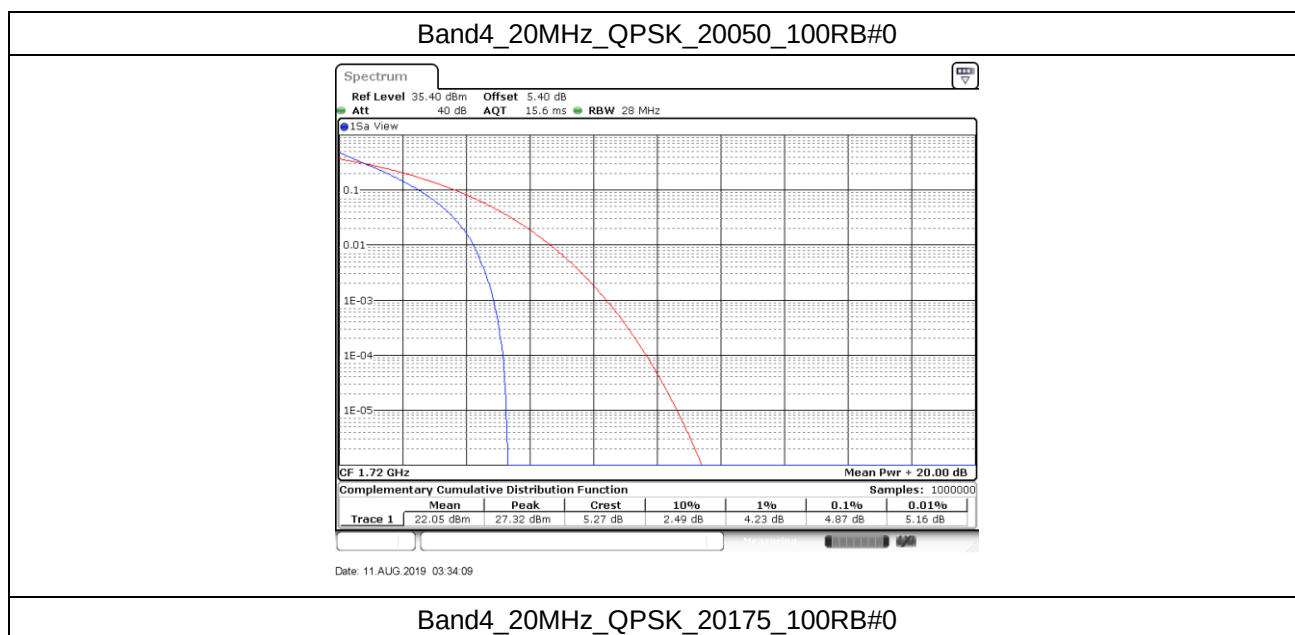
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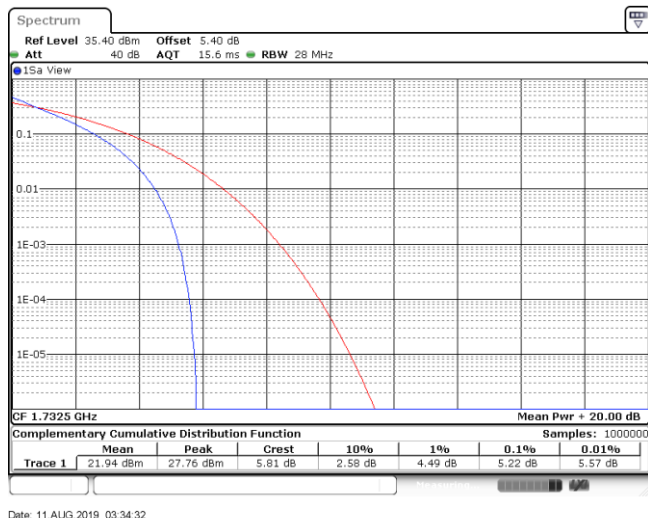
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

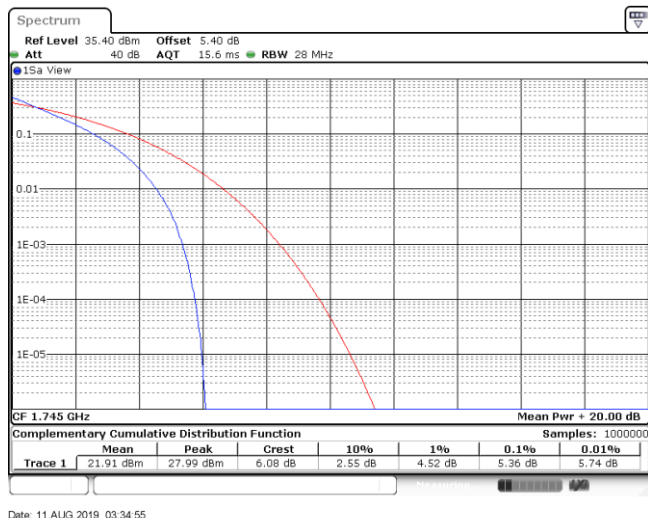
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.87	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.22	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.36	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.74	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.09	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.20	13	PASS

2.2. Test Plots



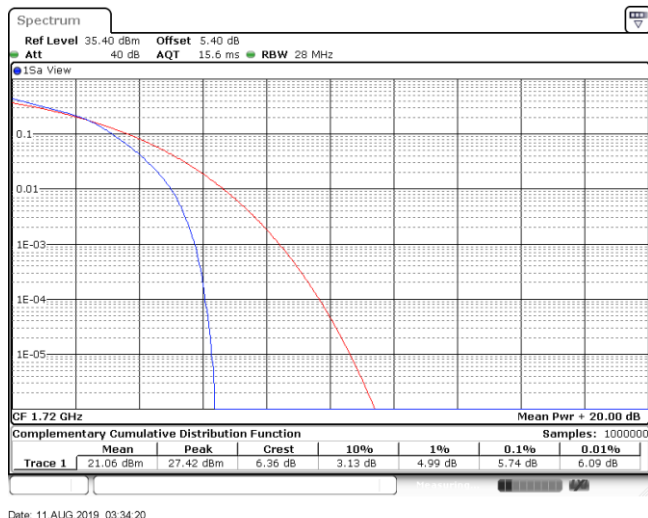


Band4_20MHz_QPSK_20300_100RB#0

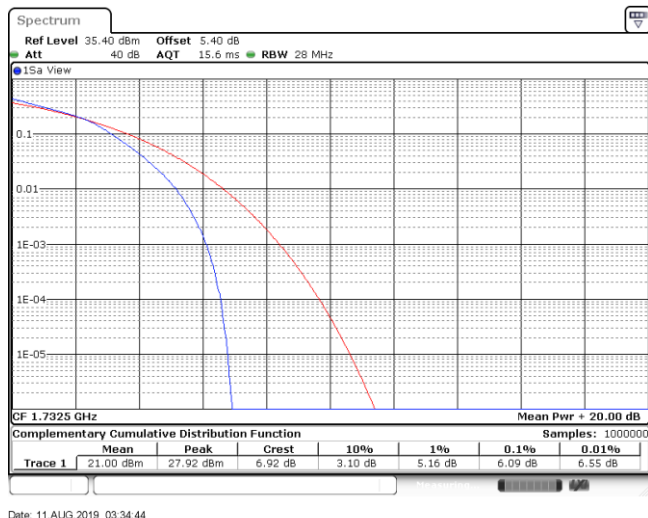


Band4_20MHz_16QAM_20050_100RB#0





Band4_20MHz_16QAM_20175_100RB#0

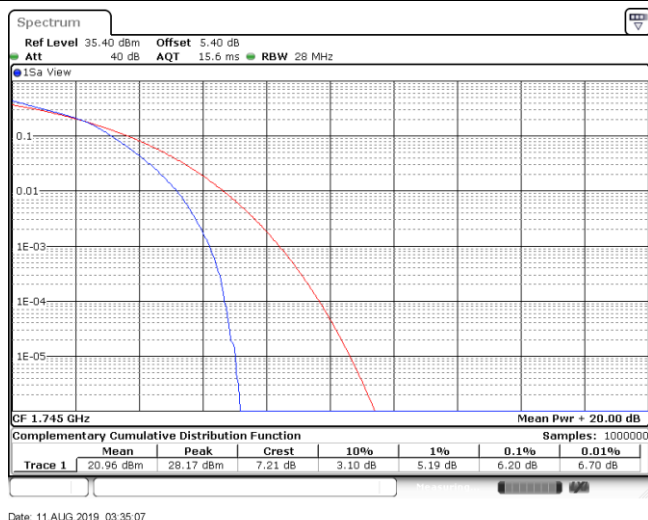


Band4_20MHz_16QAM_20300_100RB#0



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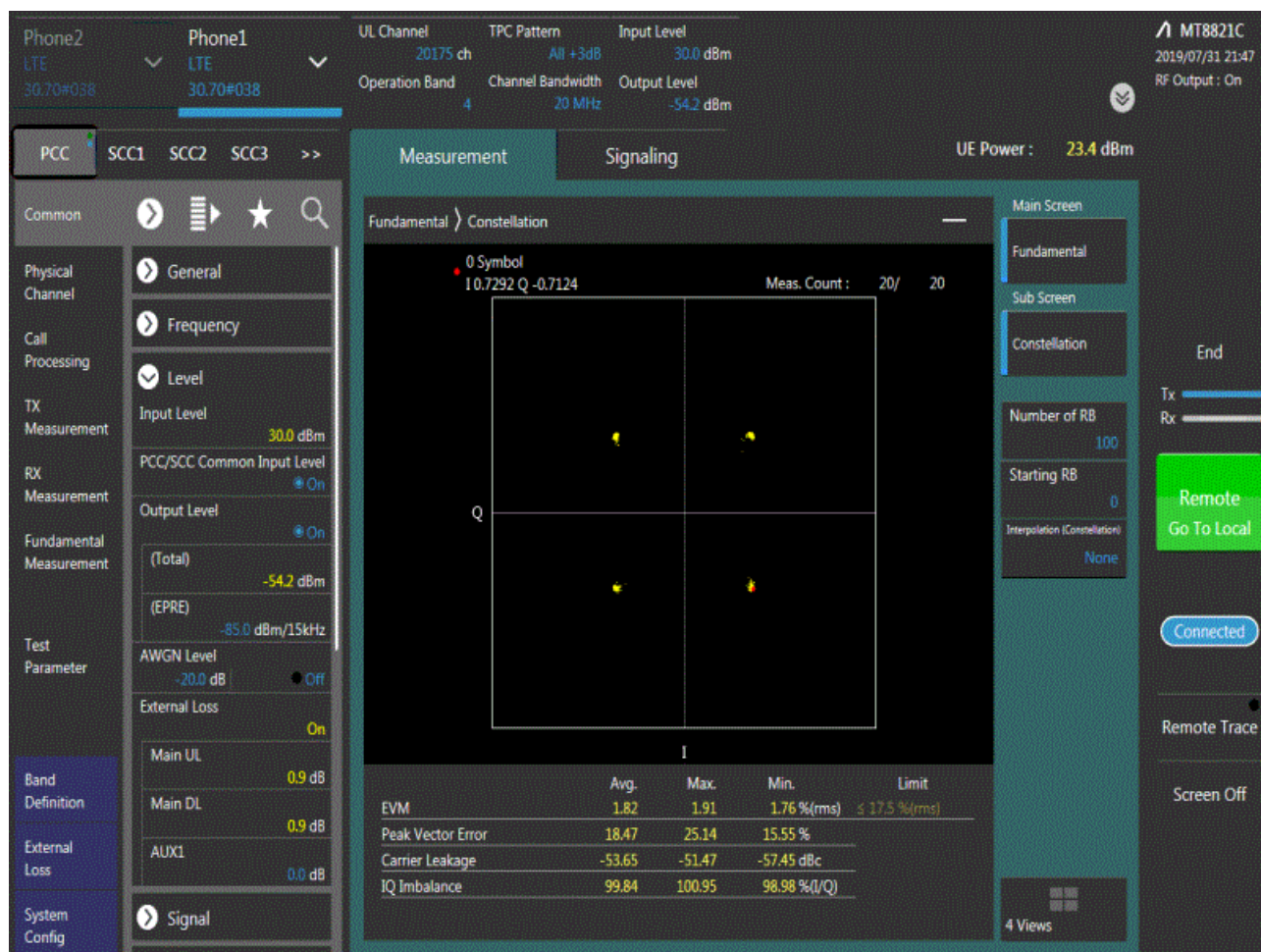


3. Modulation Characteristics

3.1. Test Band = LTE Band 4

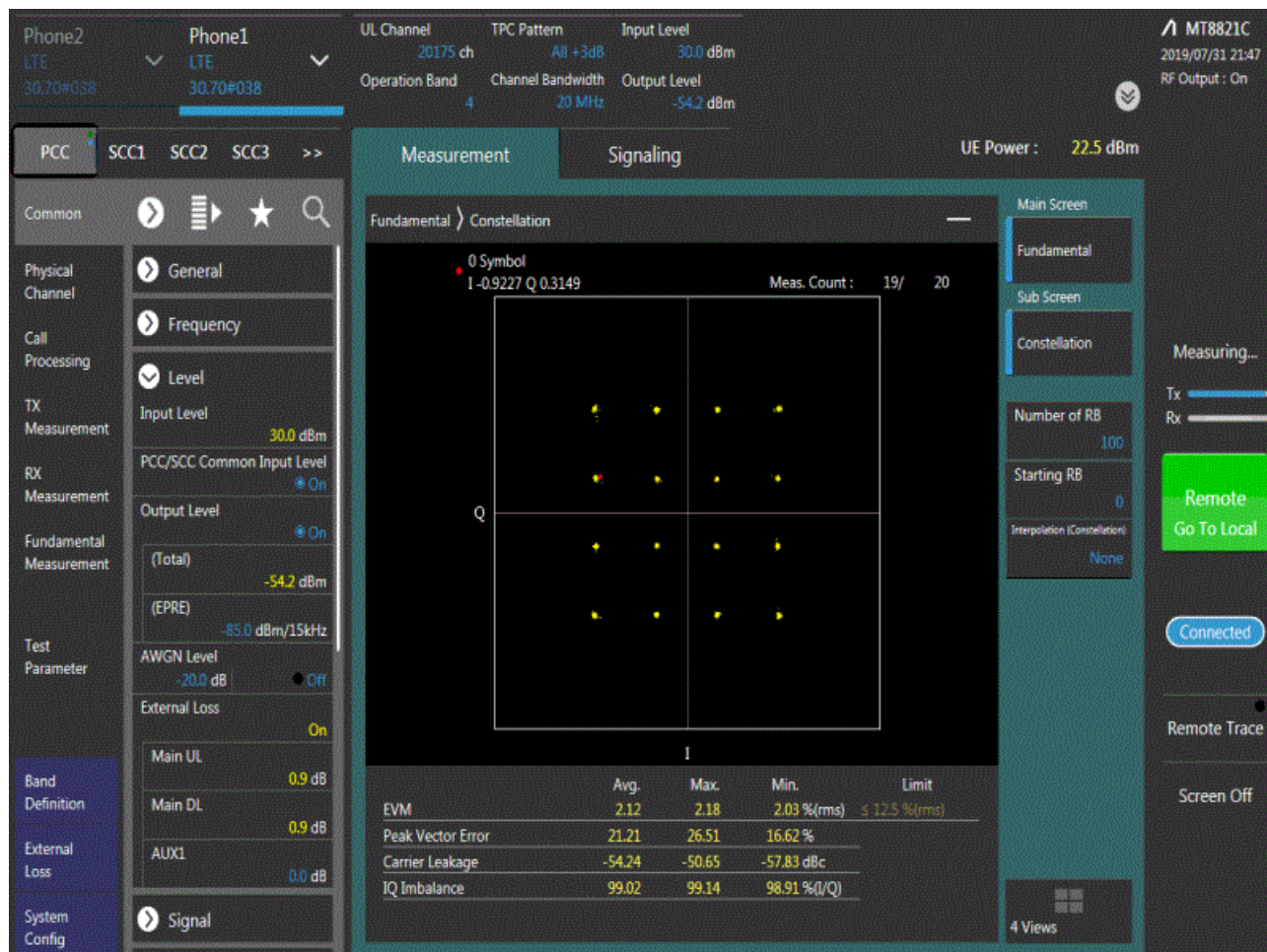
3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH



3.3. Test Mode = LTE /TM2 20MHz

3.3.1. 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
Band4	1.4MHz	QPSK	19957	6RB#0	1.088	1.287	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.275	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.278	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.317	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.082	1.287	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.290	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.928	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.910	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.685	2.916	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.673	2.904	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.679	2.898	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.673	2.898	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	5.070	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	5.070	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	5.060	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	5.100	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	5.060	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.496	5.110	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.951	9.900	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.900	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.951	9.860	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.951	9.880	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.951	9.960	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.951	9.900	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.487	15.480	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.880	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	15.090	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.516	15.030	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.516	14.970	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.487	15.030	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.920	PASS



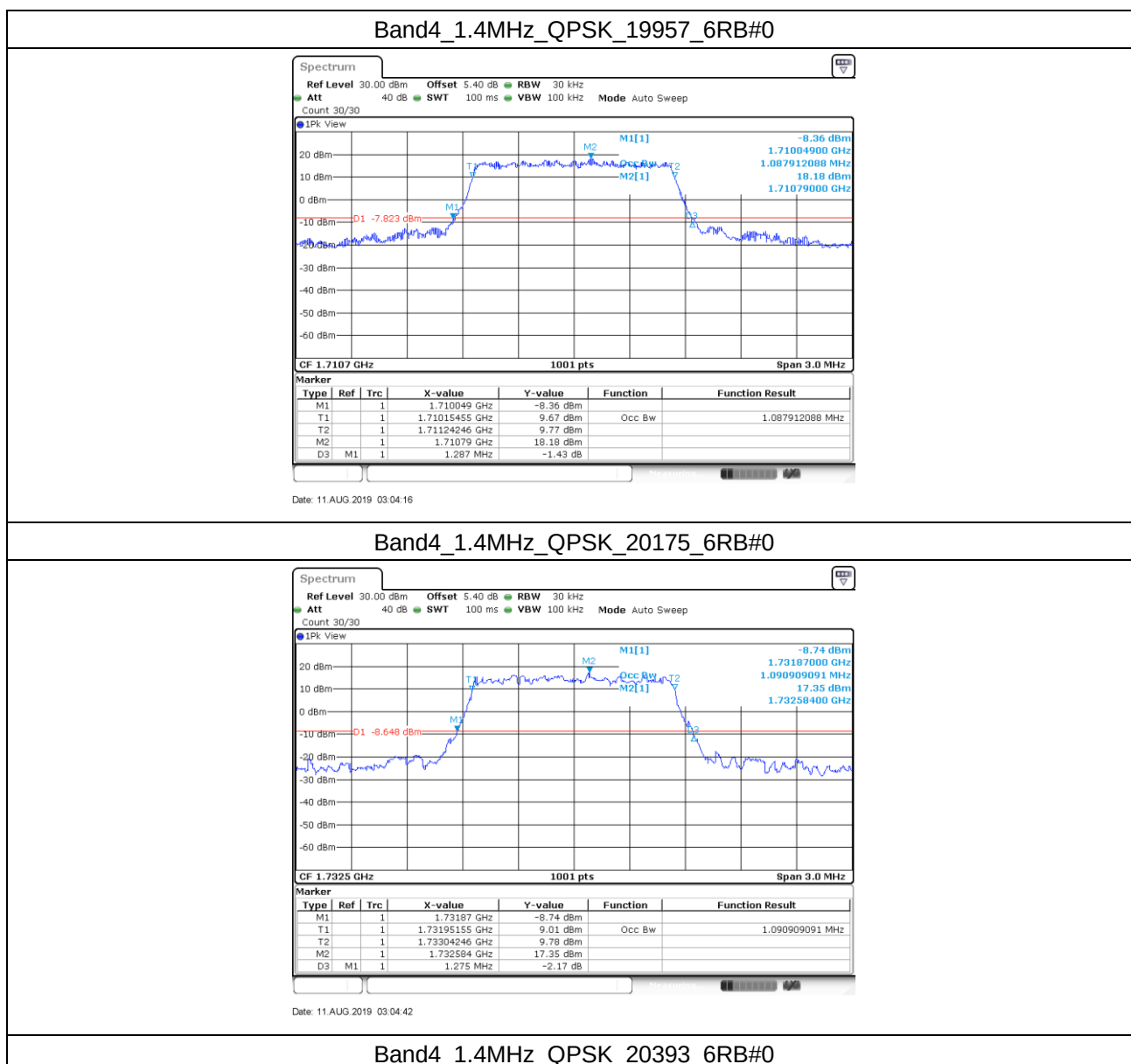
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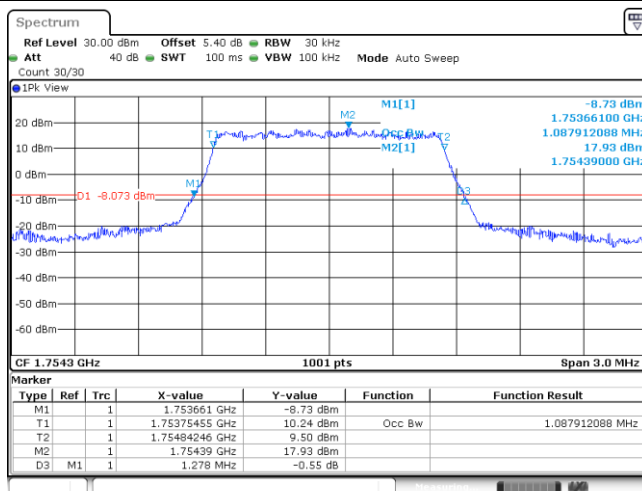
Band4	20MHz	QPSK	20175	100RB#0	17.902	19.680	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.640	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.942	19.600	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.800	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.942	19.680	PASS

4.2. Test Plots



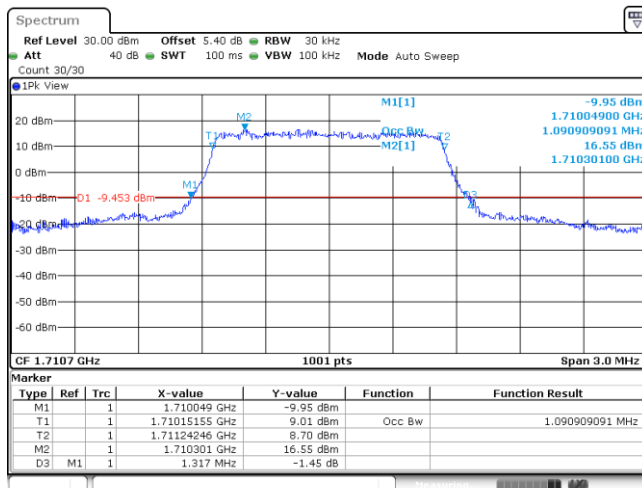
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Date: 11 AUG 2019 03:05:08

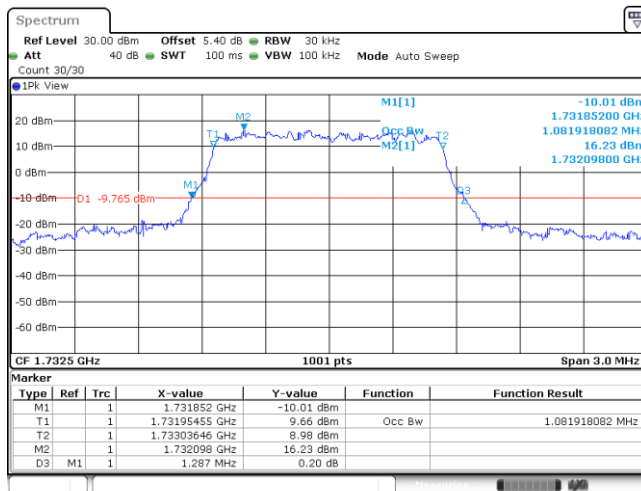
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Date: 11 AUG 2019 03:04:29

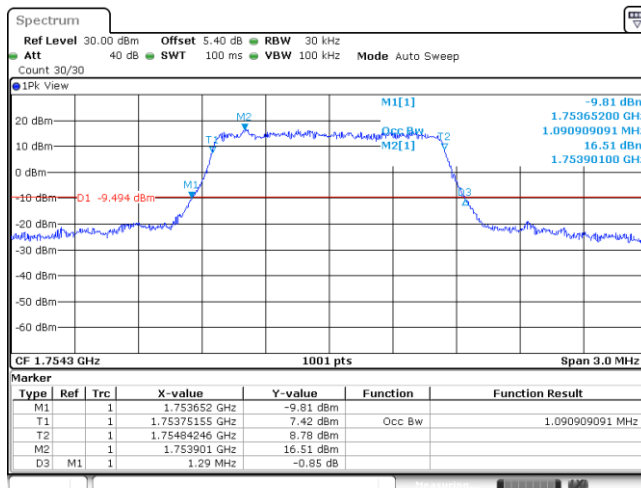
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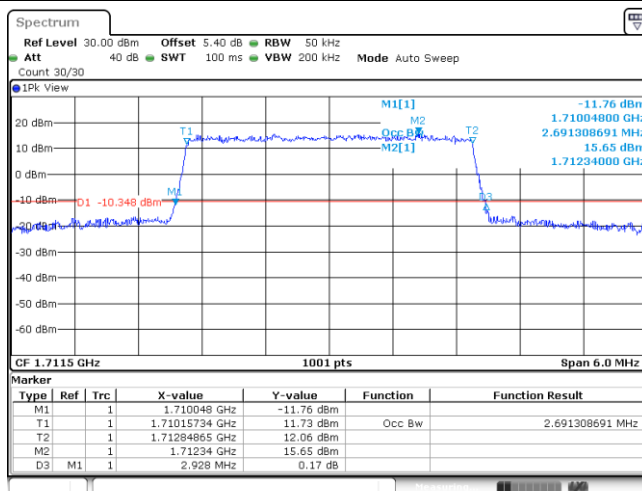
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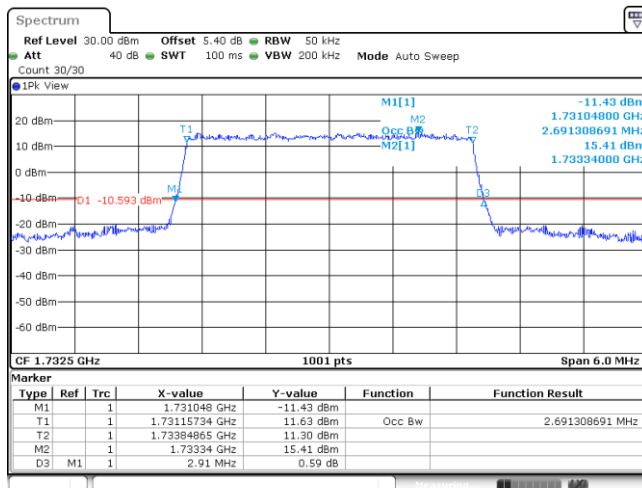
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Date: 11 AUG 2019 03:05:39

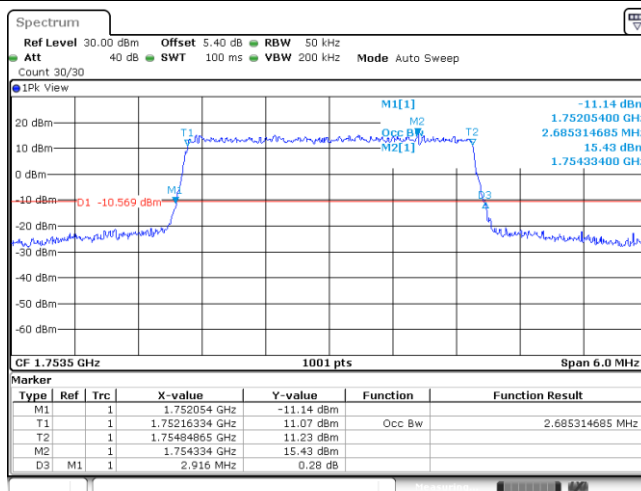
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Date: 11 AUG 2019 03:06:05

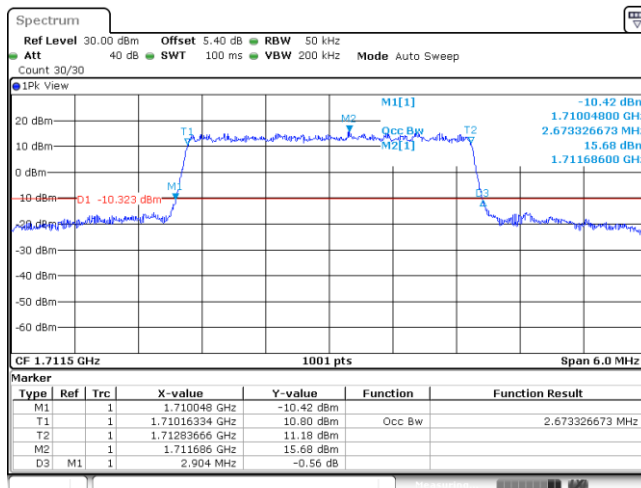
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Date: 11 AUG 2019 03:06:31

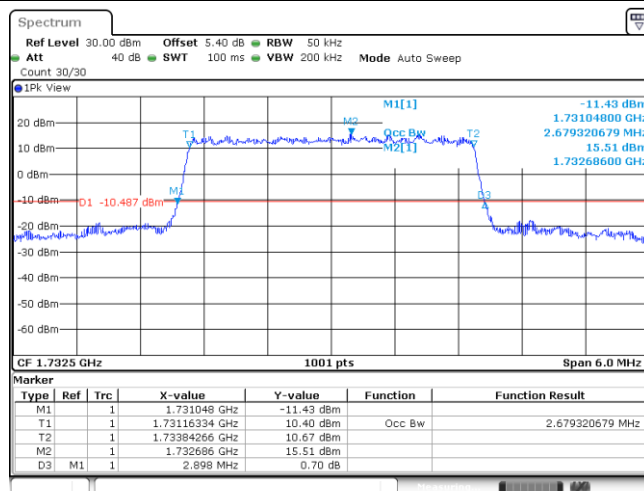
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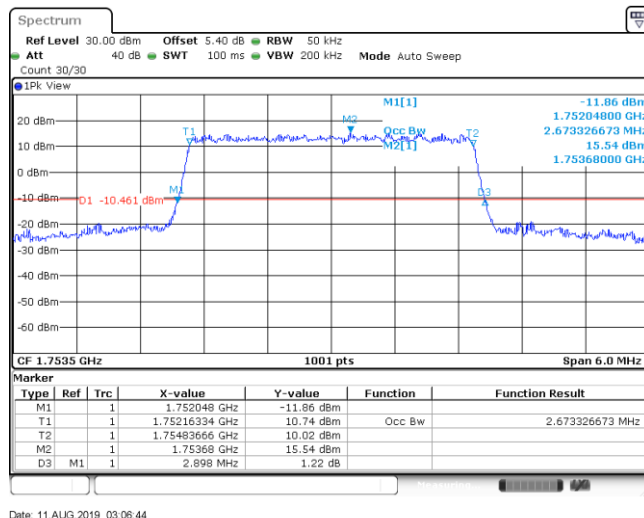
Date: 11 AUG 2019 03:05:52

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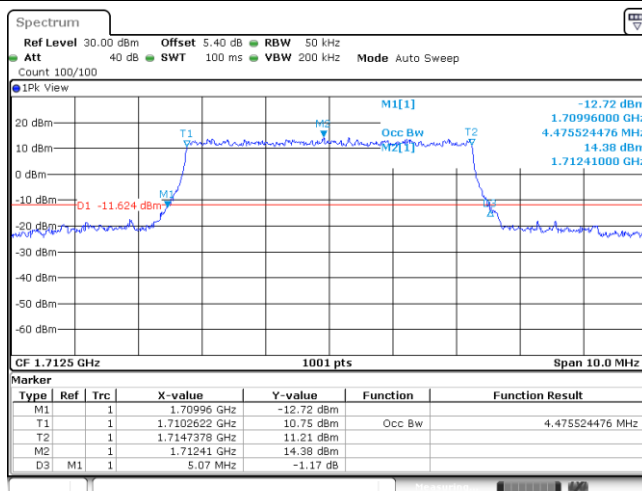


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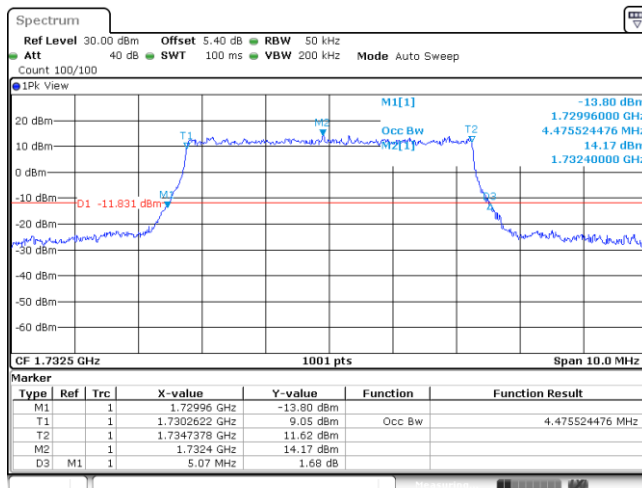
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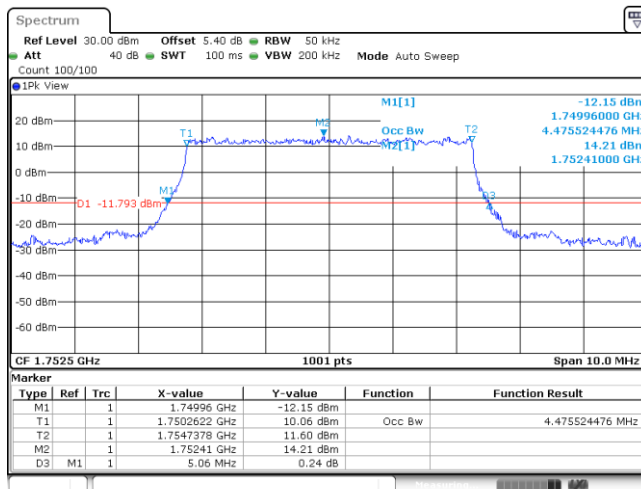
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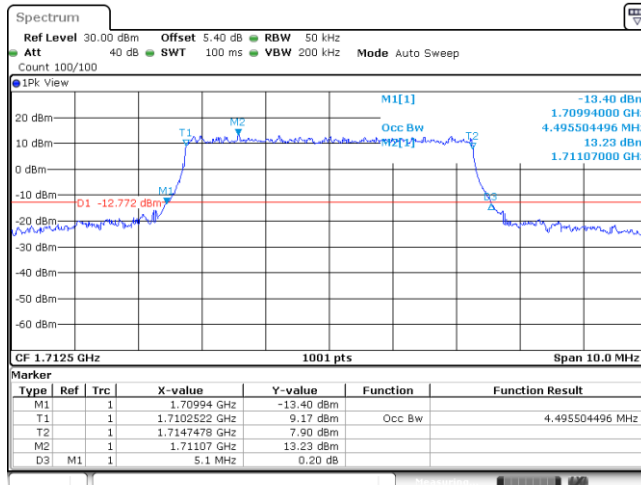
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Date: 11 AUG 2019 03:08:29

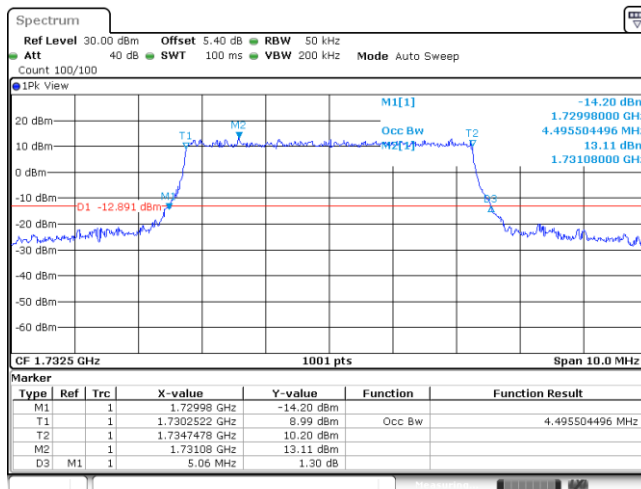
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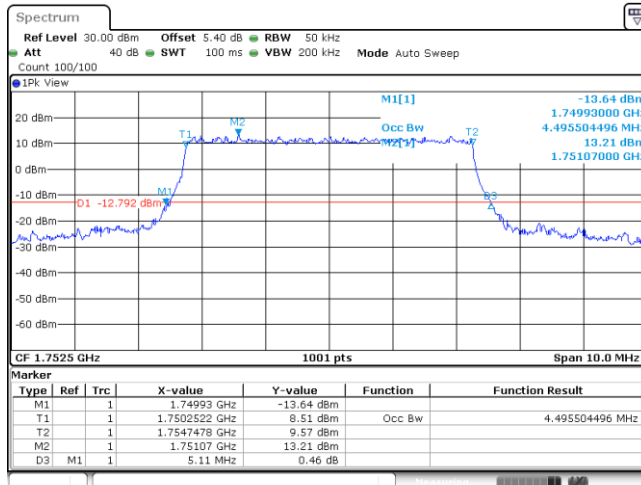
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Date: 11 AUG 2019 03:08:09

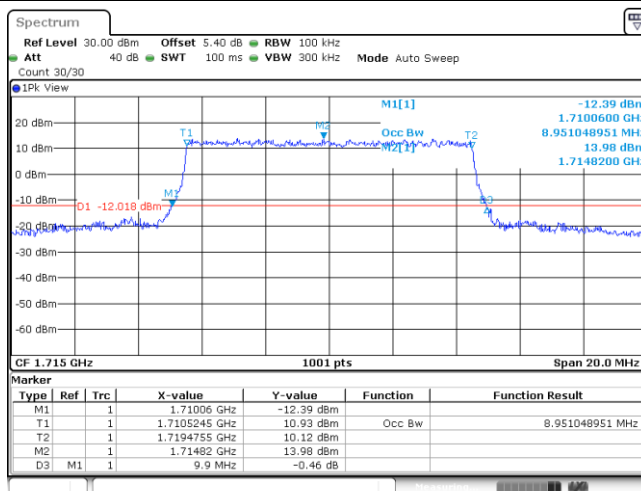
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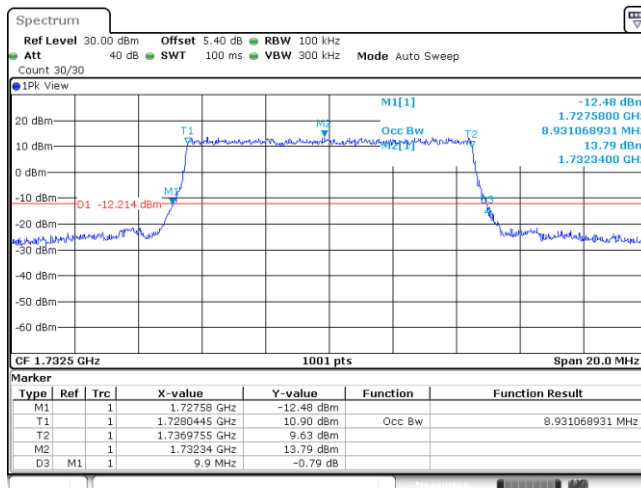
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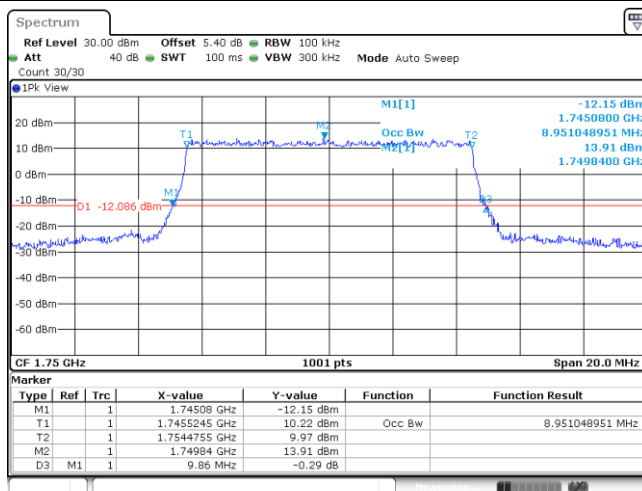
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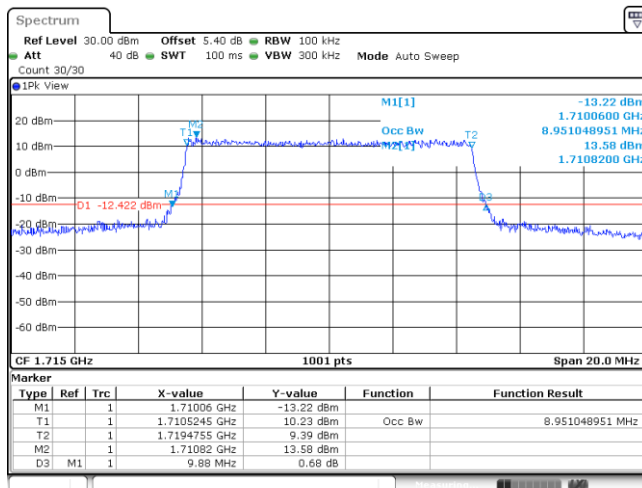
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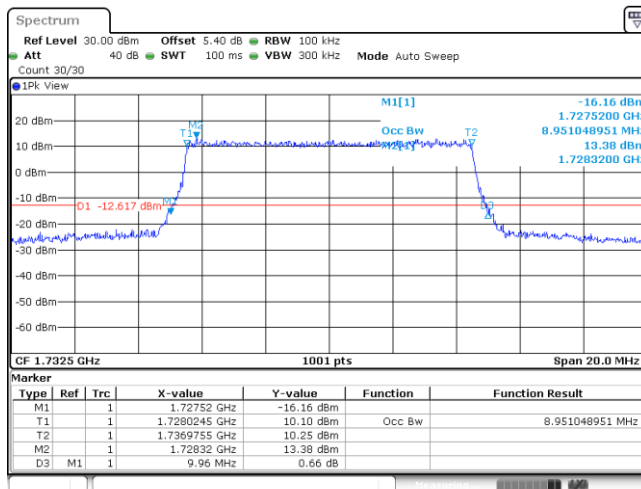
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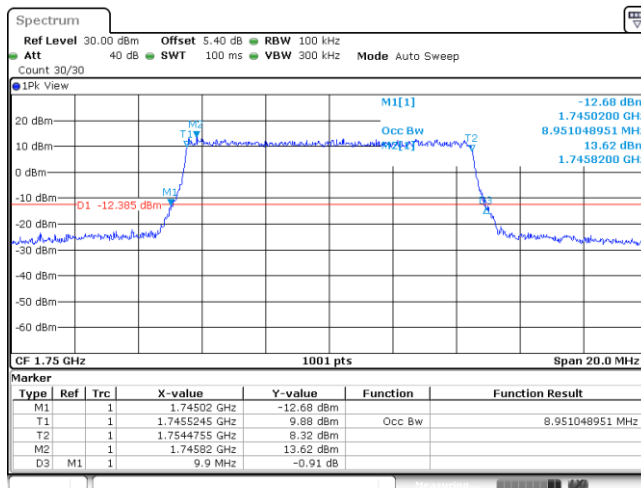
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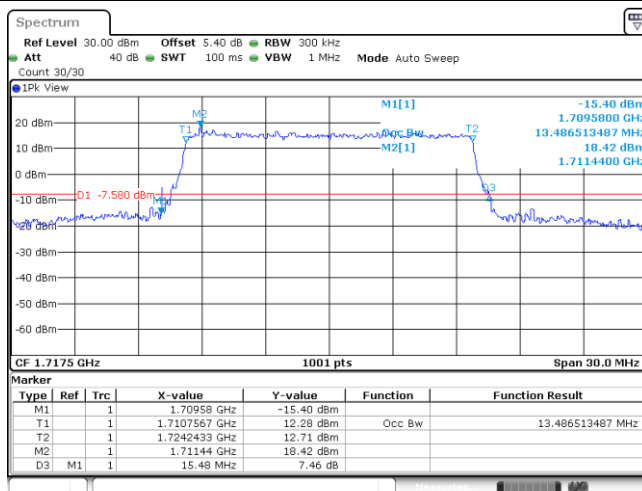
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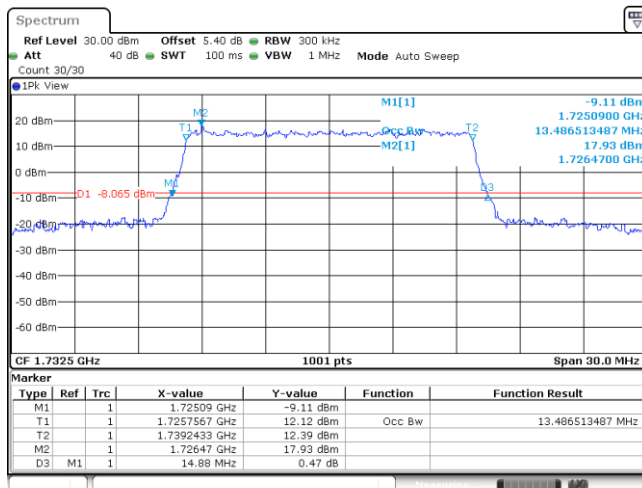
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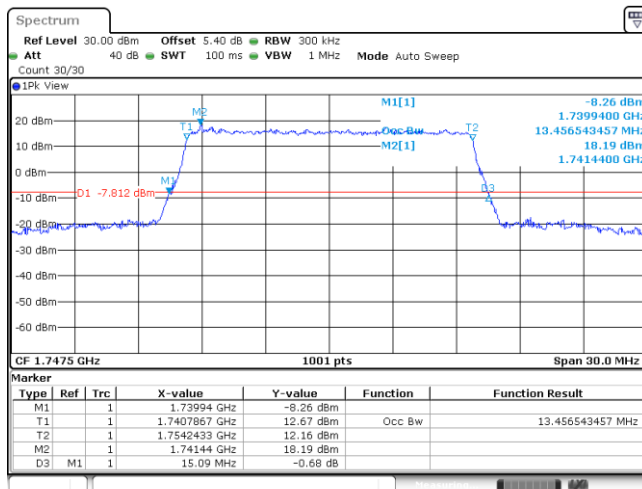
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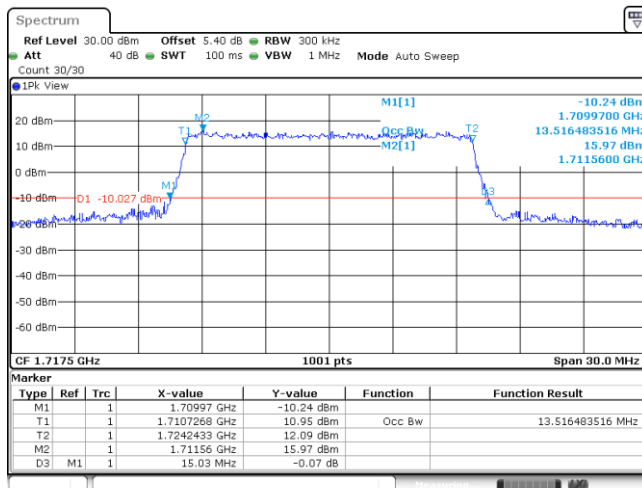
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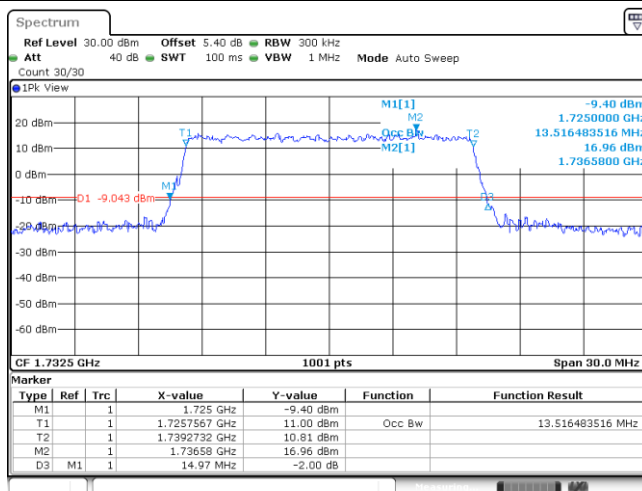
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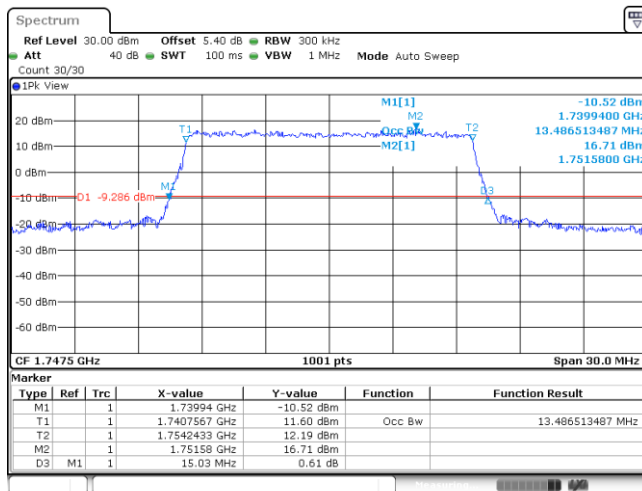
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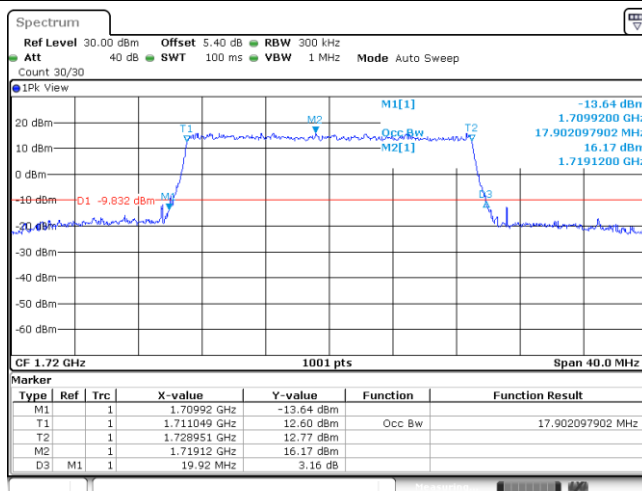
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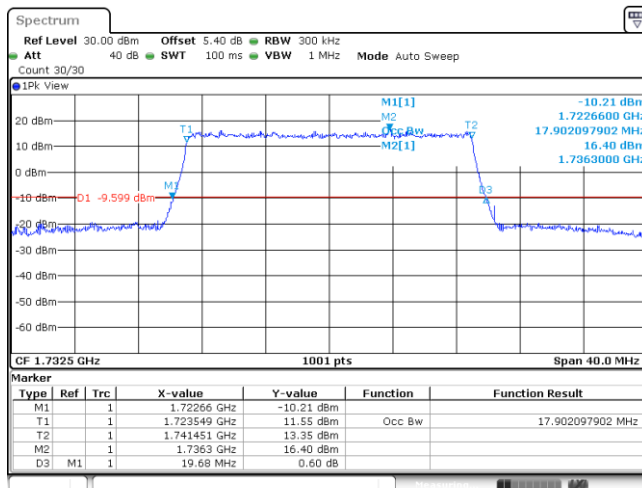
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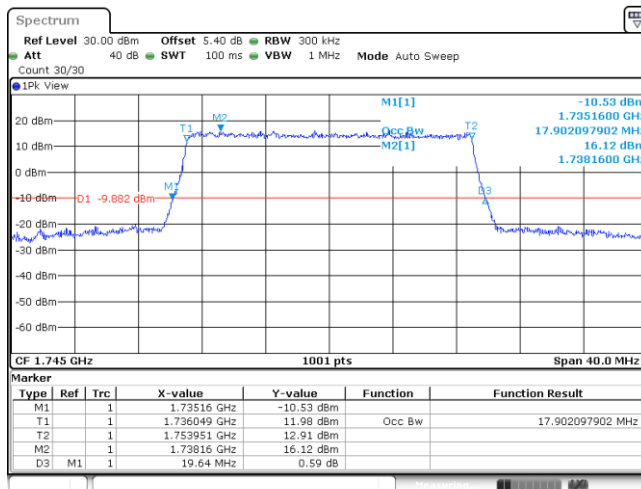
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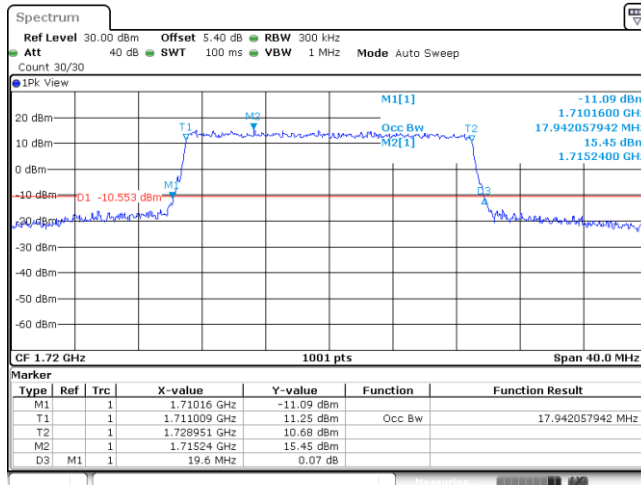
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Date: 11 AUG 2019 03:12:44

Band4_20MHz_16QAM_20050_100RB#0



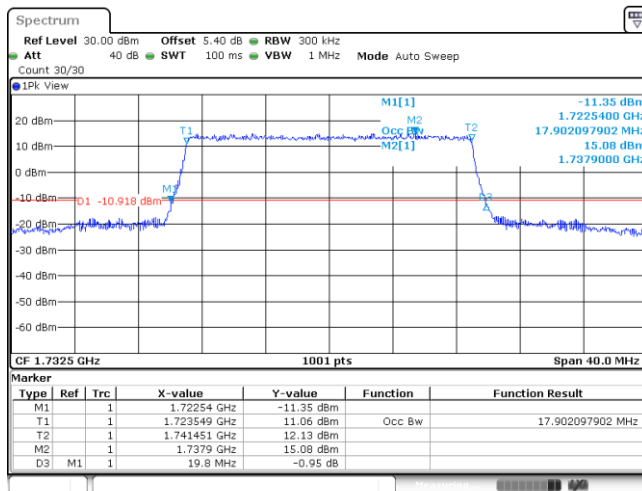
Date: 11 AUG 2019 03:12:05

Band4_20MHz_16QAM_20175_100RB#0



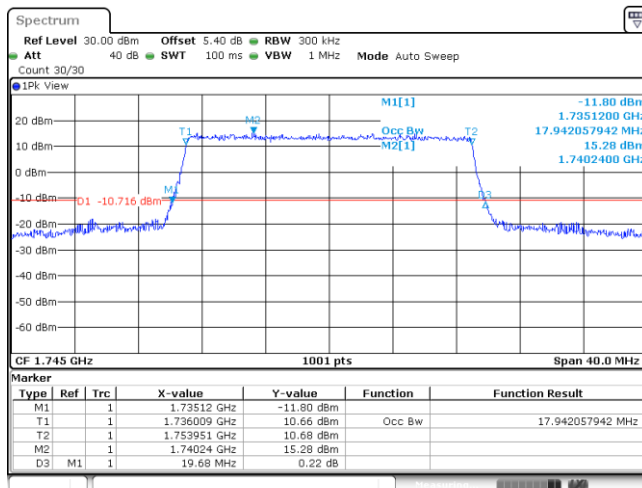
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Date: 11 AUG 2019 03:12:31

Band4_20MHz_16QAM_20300_100RB#0



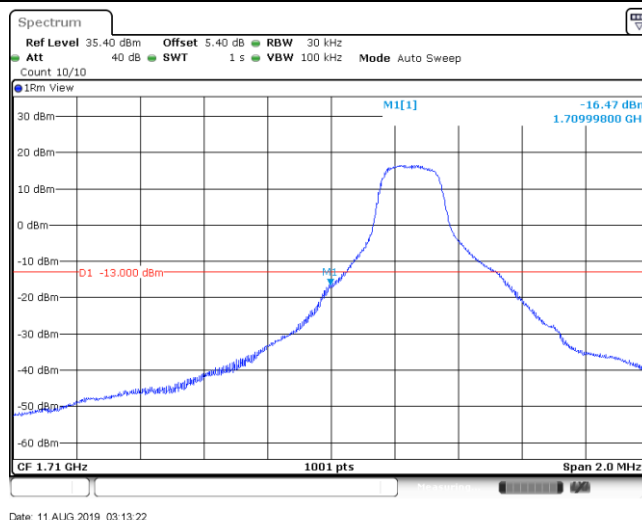
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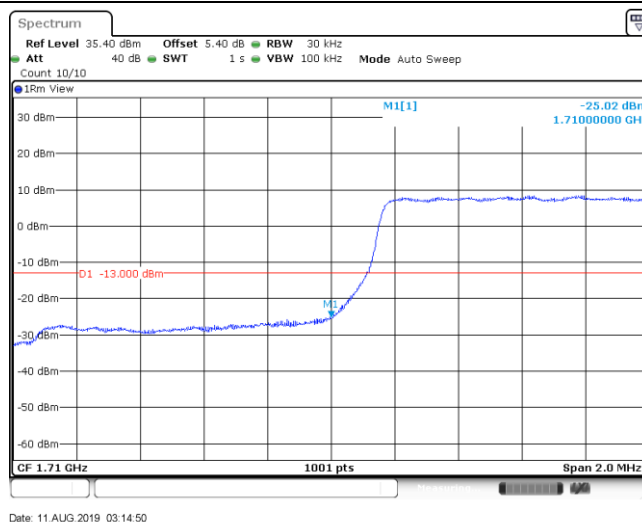
5. Band Edge Compliance

5.1. Test Plots

Band4_1.4MHz_QPSK_19957_1RB#0

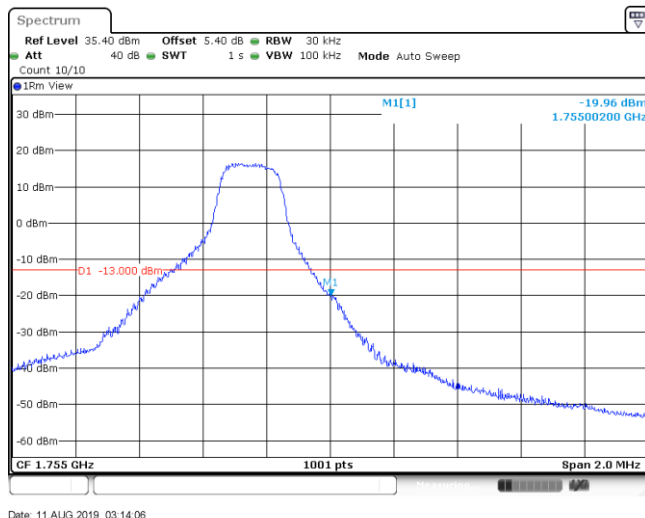


Band4_1.4MHz_QPSK_19957_6RB#0

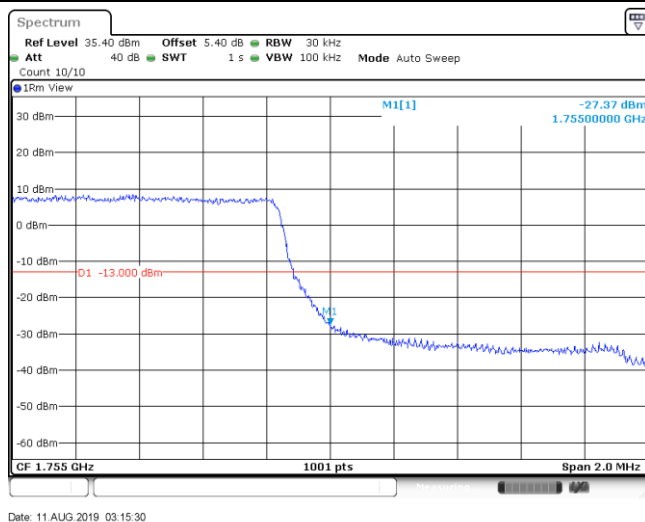


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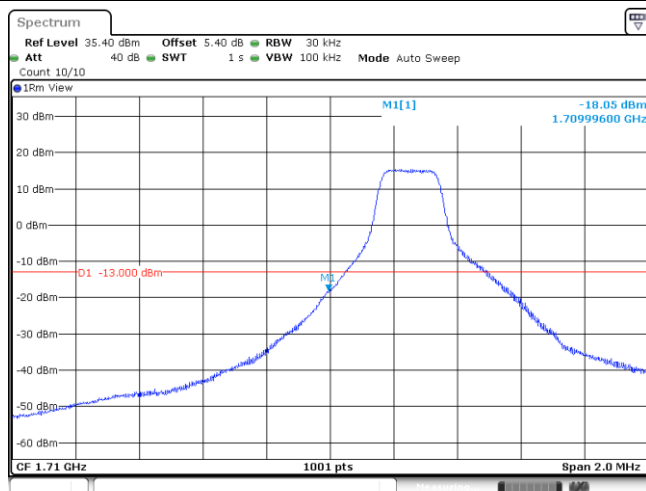


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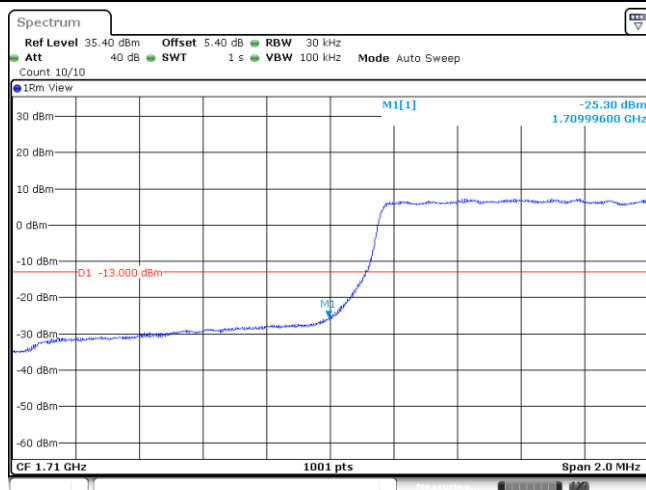
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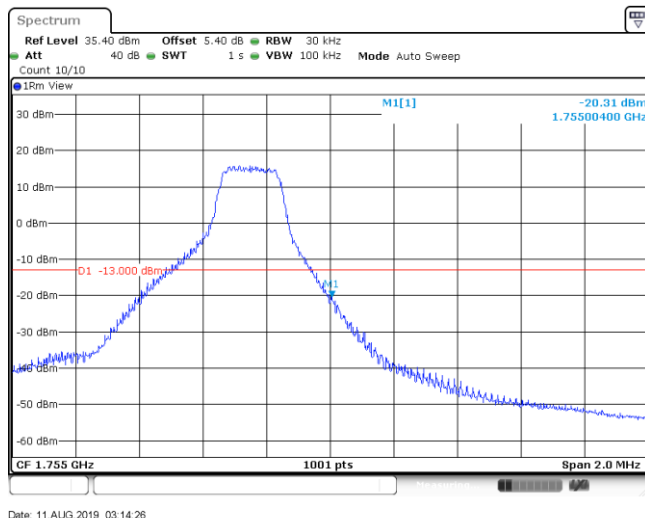
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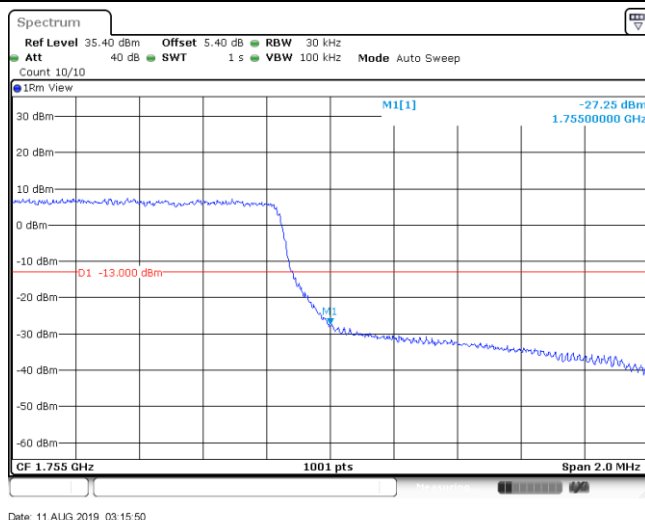
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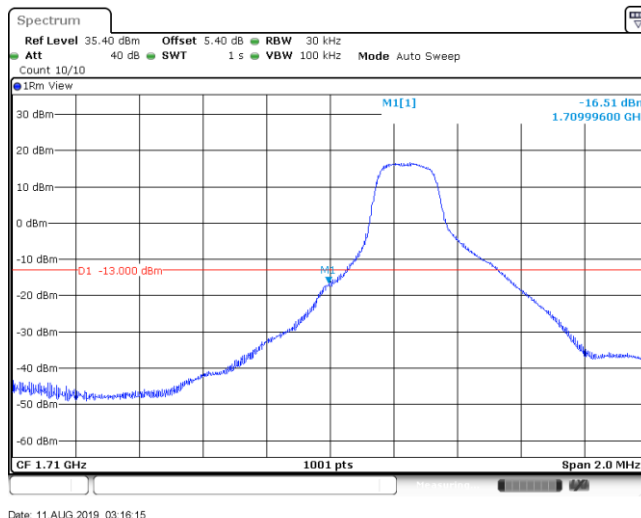
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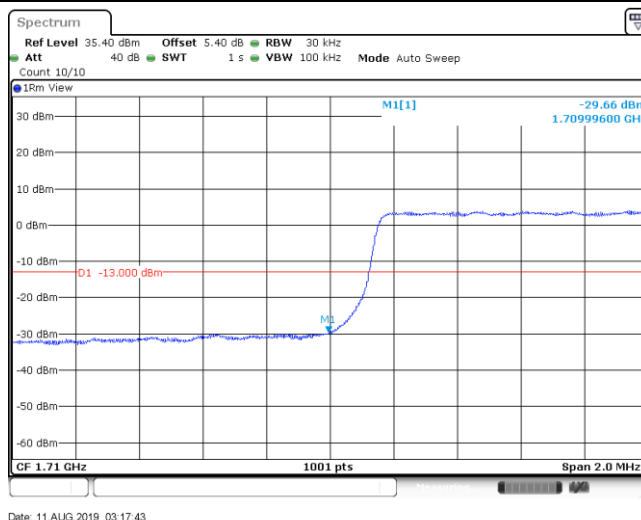
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Band4_3MHz_QPSK_19965_1RB#0





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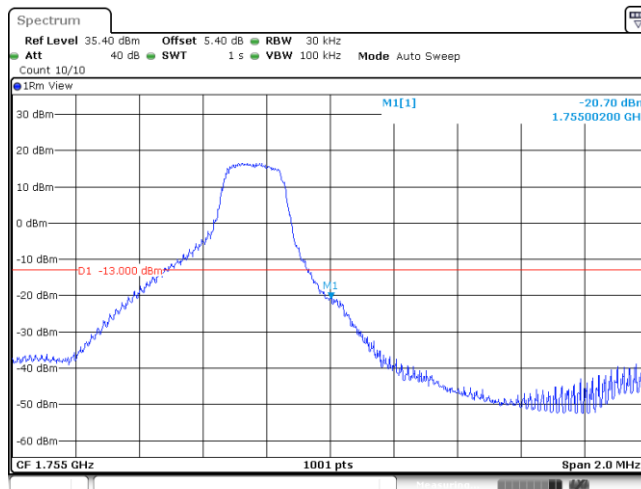


Band4_3MHz_QPSK_20385_1RB#14



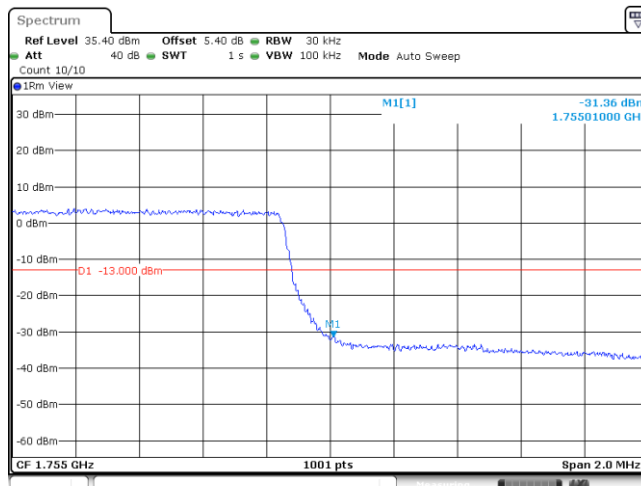
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Date: 11 AUG. 2019 03:16:59

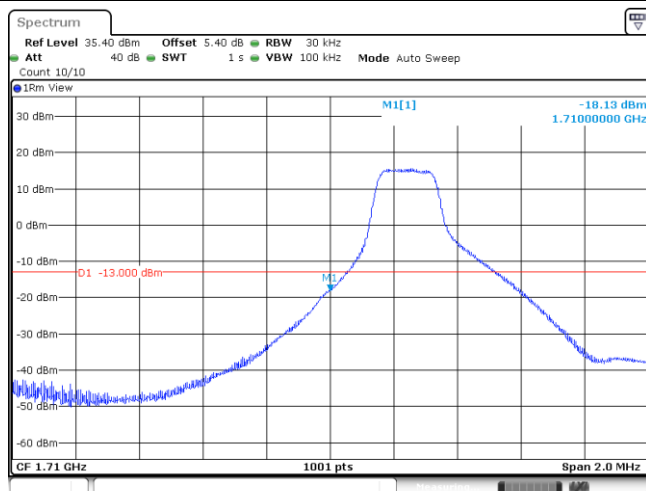
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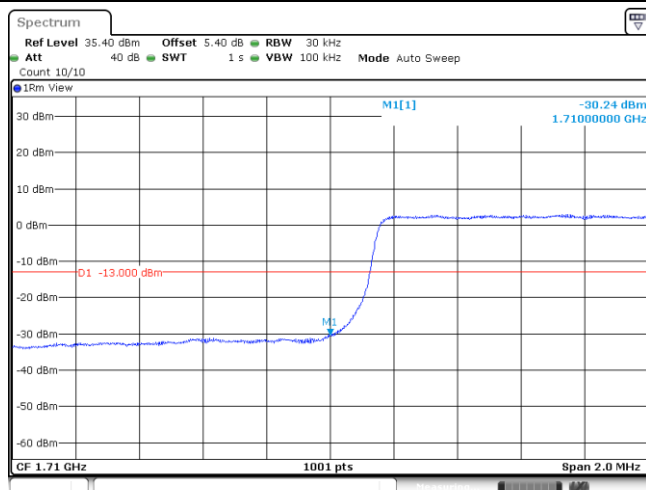
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Date: 11 AUG.2019 03:16:35

Band4_3MHz_16QAM_19965_15RB#0



Date: 11 AUG.2019 03:18:03

Band4_3MHz_16QAM_20385_1RB#14

