Appendix B

E-UTRA Band 4

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.61	22.11	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.61	22.11	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.62	22.12	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.61	22.11	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.64	22.14	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.62	22.12	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.79	21.29	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.48	21.98	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.63	22.13	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.58	22.08	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	**22.67**	22.17	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.65	22.15	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.64	22.14	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.71	21.21	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.49	21.99	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.61	22.11	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.56	22.06	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.65	22.15	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.59	22.09	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.54	22.04	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.59	21.09	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.6	21.1	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.1	21.6	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.94	21.44	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.42	20.92	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.63	21.13	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.55	21.05	30.00	PASS

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Band4	1.4MHz	16QAM	19957	6RB#0	20.62	20.12	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.82	21.32	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.89	21.39	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.88	21.38	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.66	21.16	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.58	21.08	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.48	20.98	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.5	20	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.63	21.13	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.85	21.35	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.01	21.51	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.61	21.11	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.46	20.96	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.72	21.22	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.7	20.2	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.67	22.17	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.67	22.17	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.56	22.06	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.66	21.16	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.6	21.1	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.71	21.21	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.72	21.22	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.55	22.05	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	**22.69**	22.19	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.65	22.15	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.65	21.15	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.63	21.13	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.67	21.17	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.61	21.11	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.63	22.13	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.62	22.12	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.68	22.18	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.65	21.15	30.00	PASS

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Band4	3MHz	QPSK	20385	8RB#0	21.73	21.23	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.65	21.15	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.67	21.17	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.48	20.98	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.83	21.33	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.76	21.26	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.6	20.1	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.69	20.19	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.7	20.2	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.86	20.36	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.76	21.26	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.85	21.35	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.9	21.4	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.55	20.05	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.75	20.25	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.63	20.13	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.52	20.02	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.13	21.63	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.77	21.27	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.57	21.07	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.83	20.33	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.71	20.21	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.77	20.27	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.71	20.21	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.51	22.01	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	**22.67**	22.17	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.57	22.07	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.63	21.13	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.68	21.18	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.61	21.11	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.66	21.16	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.44	21.94	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.64	22.14	30.00	PASS

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Band4	5MHz	QPSK	20175	1RB#12	22.5	22	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.61	21.11	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.63	21.13	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.6	21.1	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.57	21.07	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.5	22	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.65	22.15	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.57	22.07	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.68	21.18	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.68	21.18	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.65	21.15	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.77	21.27	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.68	21.18	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22	21.5	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.41	20.91	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.69	20.19	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.63	20.13	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.6	20.1	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.67	20.17	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.93	21.43	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.82	21.32	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.51	21.01	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.7	20.2	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.74	20.24	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.6	20.1	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.63	20.13	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.86	21.36	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.69	21.19	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.64	21.14	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.68	20.18	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.64	20.14	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.61	20.11	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.72	20.22	30.00	PASS

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Band4	10MHz	QPSK	20000	1RB#0	22.52	22.02	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.67	22.17	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.54	22.04	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.72	21.22	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.71	21.21	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.65	21.15	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.74	21.24	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	**22.71**	22.21	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.65	22.15	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.59	22.09	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.69	21.19	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.64	21.14	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.66	21.16	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.71	21.21	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.69	22.19	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.64	22.14	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.57	22.07	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.74	21.24	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.67	21.17	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.73	21.23	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.74	21.24	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.15	21.65	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.61	21.11	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.67	21.17	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.81	20.31	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.7	20.2	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.79	20.29	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.65	20.15	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.68	21.18	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.91	21.41	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.53	21.03	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.74	20.24	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.65	20.15	30.00	PASS

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Band4	10MHz	16QAM	20175	25RB#0	20.75	20.25	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.67	20.17	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.56	21.06	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.08	21.58	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.48	20.98	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.71	20.21	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.64	20.14	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.82	20.32	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.72	20.22	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.56	22.06	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.67	22.17	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.45	21.95	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.67	21.17	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.69	21.19	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.67	21.17	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.74	21.24	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.59	22.09	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	**22.68**	22.18	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.51	22.01	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.68	21.18	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.7	21.2	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.68	21.18	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.67	21.17	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.59	22.09	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.55	22.05	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.52	22.02	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.74	21.24	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.71	21.21	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.74	21.24	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.64	21.14	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.01	21.51	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.81	21.31	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.53	21.03	30.00	PASS

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Band4	15MHz	16QAM	20025	36RB#0	20.76	20.26	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.67	20.17	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.7	20.2	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.64	20.14	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.6	21.1	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.03	21.53	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.91	21.41	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.71	20.21	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.69	20.19	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	20.69	20.19	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.68	20.18	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.58	21.08	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.77	21.27	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.49	20.99	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.72	20.22	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.71	20.21	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.6	20.1	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.63	20.13	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	**22.54**	22.04	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.29	21.79	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.09	21.59	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.35	20.85	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.64	21.14	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.22	20.72	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.26	20.76	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.49	21.99	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	**22.64**	22.14	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.11	21.61	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.63	21.13	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	**21.71**	21.21	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.7	21.2	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	**21.71**	21.21	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.48	21.98	30.00	PASS

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Band4	20MHz	QPSK	20300	1RB#49	**22.63**	22.13	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.13	21.63	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.64	21.14	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.63	21.13	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.62	21.12	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.55	21.05	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.15	20.65	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.62	21.12	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.39	20.89	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.3	19.8	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.3	19.8	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.27	19.77	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.23	19.73	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.16	20.66	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.78	21.28	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.39	20.89	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.18	19.68	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.73	20.23	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.24	19.74	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.22	19.72	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.01	20.51	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.37	20.87	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.14	20.64	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.18	19.68	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.63	20.13	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.18	19.68	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.66	20.16	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 [dBd]

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

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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.54	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.42	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.33	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.29	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.20	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.06	13	PASS

2.2. Test Plots

Band4-20MHz-QPSK-20050-100RB#0

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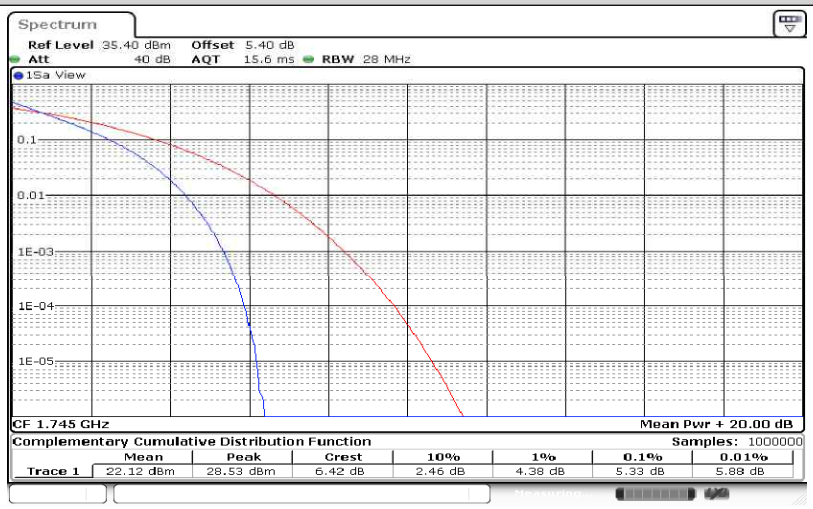
Band4-20MHz-QPSK-20175-100RB#0

Date: 13.JUN.2020 11:29:05

Band4-20MHz-QPSK-20300-100RB#0



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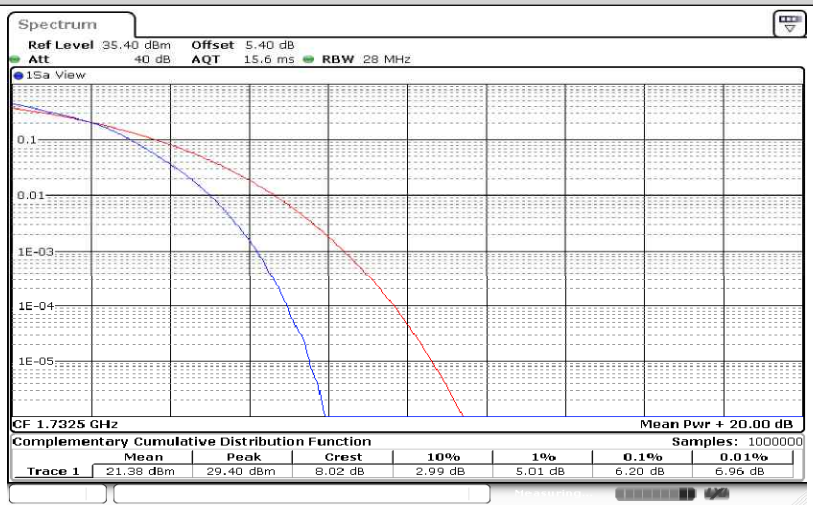
Band4-20MHz-16QAM-20050-100RB#0

Date: 13.JUN.2020 11:28:54

Band4-20MHz-16QAM-20175-100RB#0



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Band4-20MHz-16QAM-20300-100RB#0

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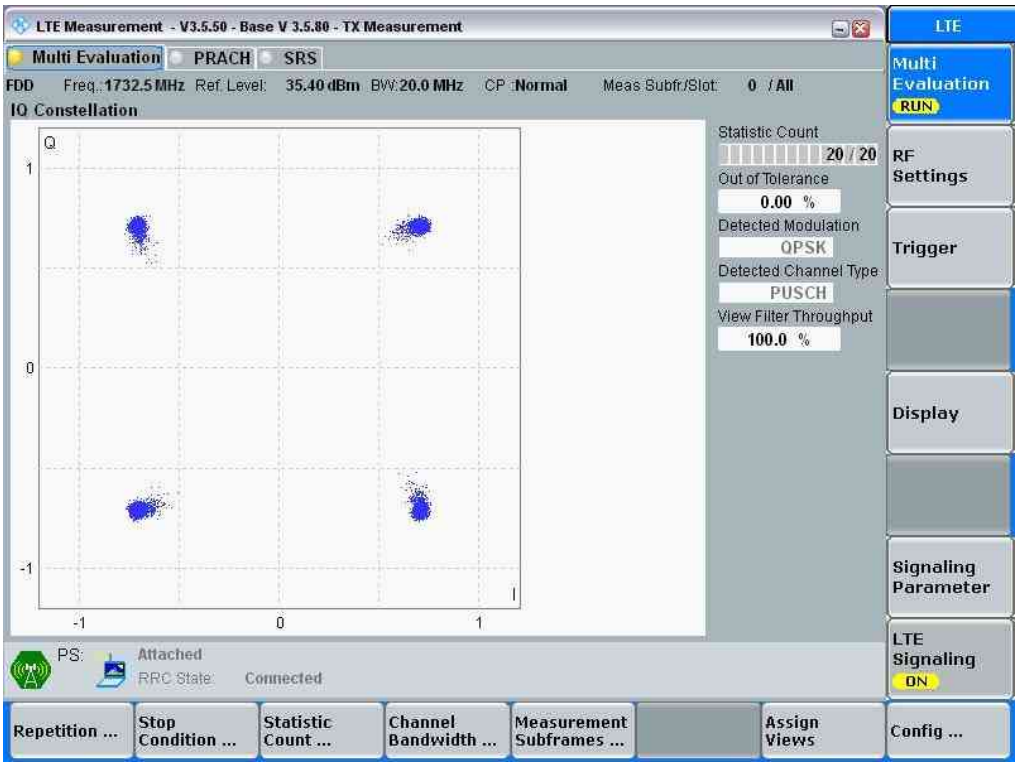
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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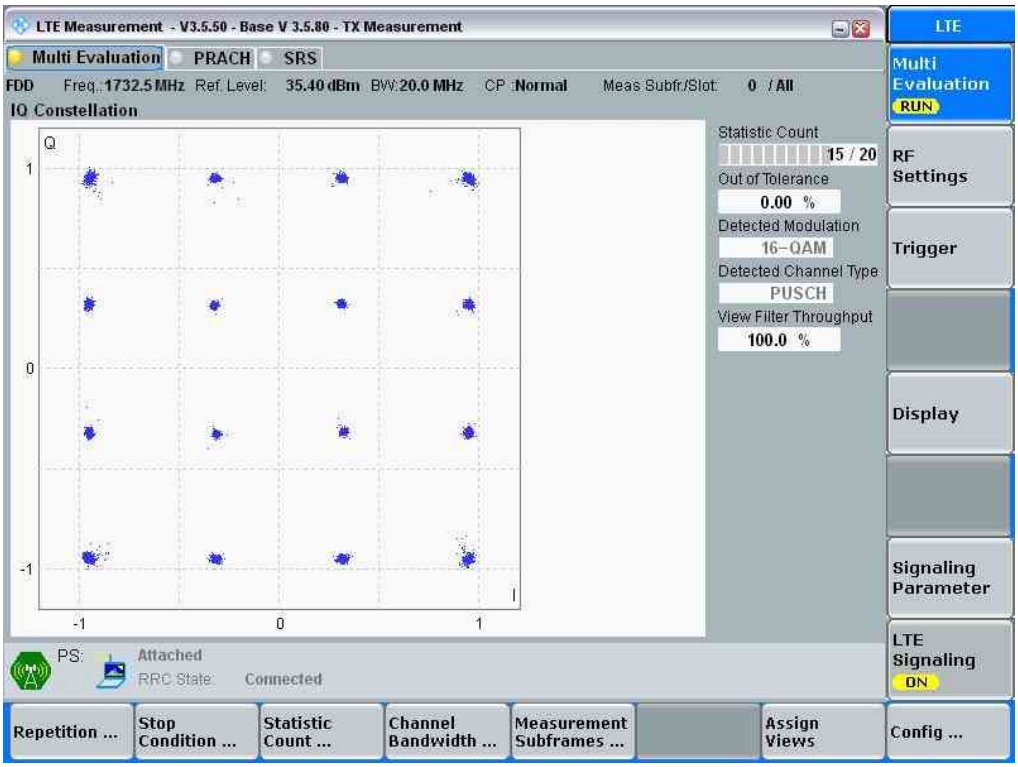
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.088	1.281	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.281	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.302	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.293	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.082	1.275	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.326	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.916	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.685	2.946	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.691	2.886	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.679	2.874	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.673	2.904	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.679	2.922	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.720	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.760	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.466	4.830	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.740	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.790	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.971	9.440	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.971	9.540	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.971	9.500	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.620	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.640	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.660	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.487	14.700	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.580	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.730	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.606	14.550	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.576	14.520	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.576	14.580	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.022	19.200	PASS

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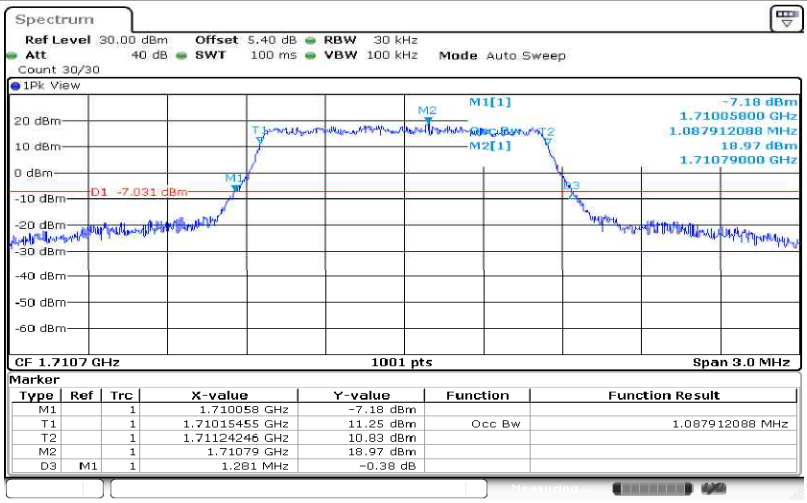
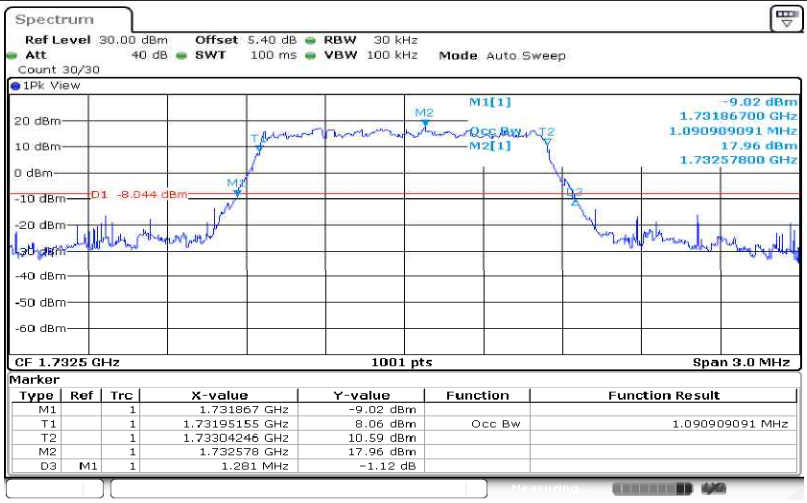
Band4	20MHz	QPSK	20175	100RB#0	18.062	19.040	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.062	19.080	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.320	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.280	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	19.360	PASS

4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.088



Band4-1.4MHz-QPSK-20175-6RB#0-1.091



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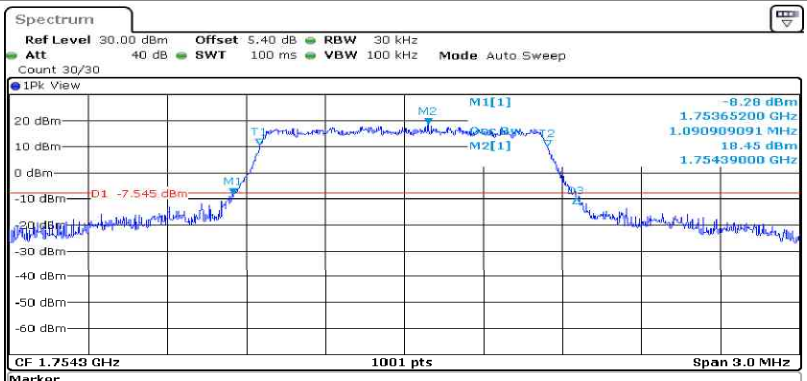
Band4-1.4MHz-QPSK-20393-6RB#0-1.091

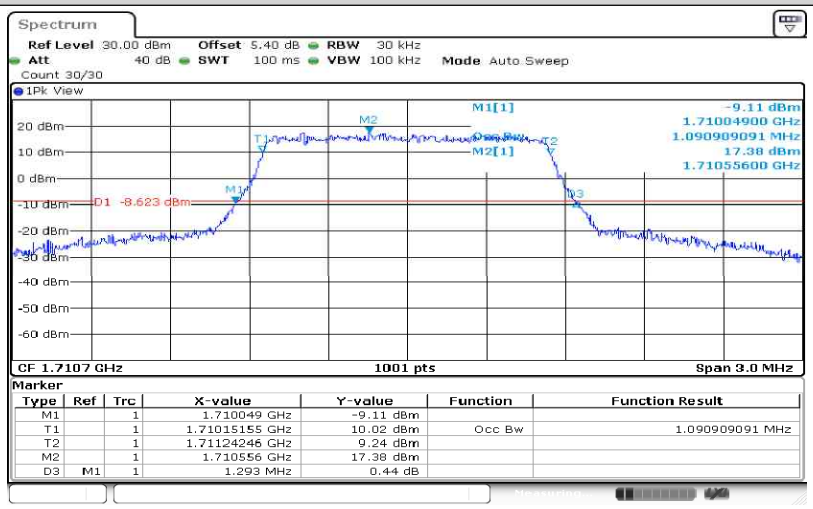


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753652 GHz	-8.28 dBm		
T1		1	1.75375155 GHz	10.65 dBm	Occ Bw	1.090909091 MHz
T2		1	1.75484246 GHz	9.94 dBm		
M2		1	1.75439 GHz	18.45 dBm		
D3	M1	1	1.302 MHz	-1.37 dB		

Date: 13.JUN.2020 10:59:59

Band4-1.4MHz-16QAM-19957-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710049 GHz	-9.11 dBm		
T1		1	1.71015155 GHz	10.02 dBm	Occ Bw	1.090909091 MHz
T2		1	1.71124246 GHz	9.24 dBm		
M2		1	1.710556 GHz	17.38 dBm		
D3	M1	1	1.293 MHz	0.44 dB		

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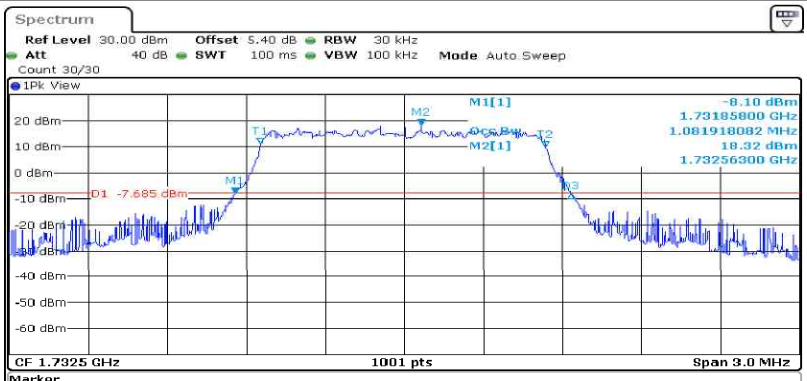
Band4-1.4MHz-16QAM-20175-6RB#0-1.082



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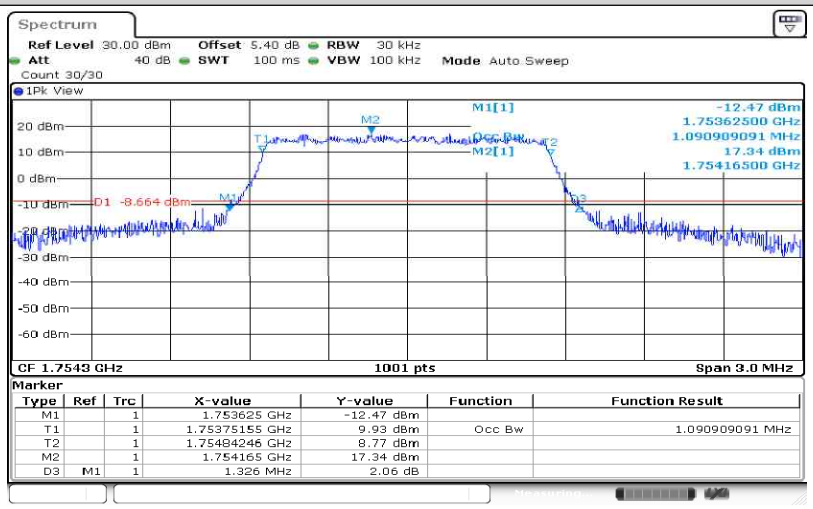
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731858 GHz	-8.10 dBm		
T1		1	1.73195455 GHz	10.94 dBm	Occ Bw	1.081918082 MHz
T2		1	1.73303646 GHz	9.68 dBm		
M2		1	1.732563 GHz	18.32 dBm		
D3	M1	1	1.275 MHz	0.41 dB		

Date: 13.JUN.2020 10:59:46

Band4-1.4MHz-16QAM-20393-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753625 GHz	-12.47 dBm		
T1		1	1.75375155 GHz	9.93 dBm	Occ Bw	1.090909091 MHz
T2		1	1.75484246 GHz	8.77 dBm		
M2		1	1.754165 GHz	17.34 dBm		
D3	M1	1	1.326 MHz	2.06 dB		

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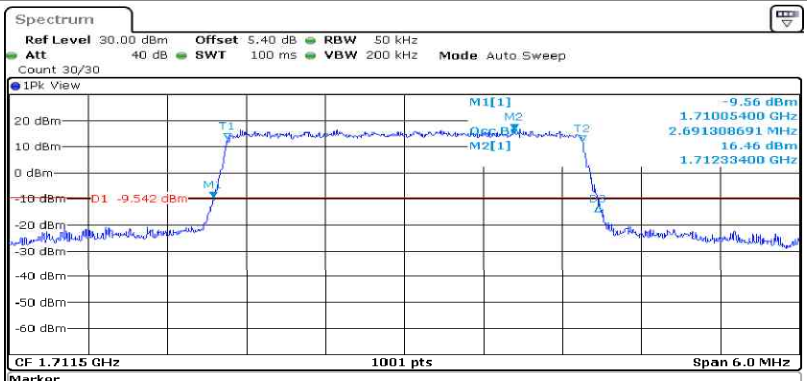
Band4-3MHz-QPSK-19965-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710054 GHz	-9.56 dBm		
T1		1	1.71015734 GHz	13.06 dBm	Occ Bw	2.691308691 MHz
T2		1	1.71284865 GHz	11.83 dBm		
M2		1	1.712334 GHz	16.46 dBm		
D3	M1	1	2.916 MHz	-3.25 dB		

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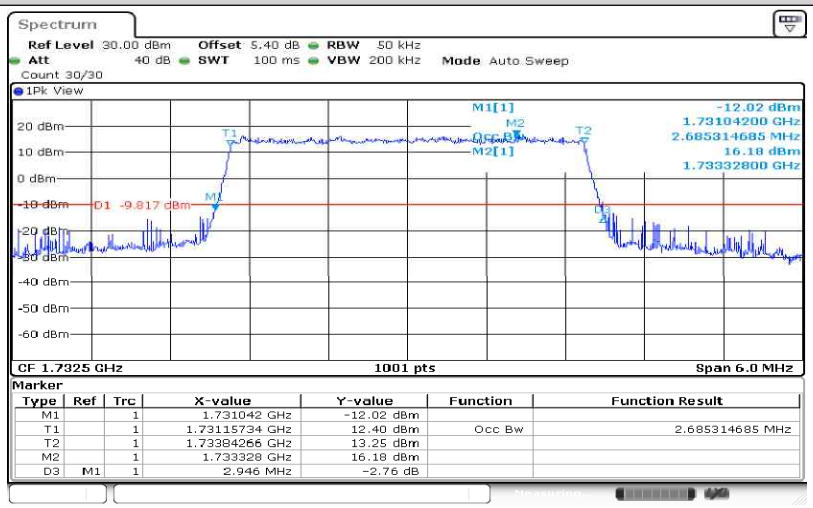
Band4-3MHz-QPSK-20175-15RB#0-2.685



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731042 GHz	-12.02 dBm		
T1		1	1.73115734 GHz	12.40 dBm	Occ Bw	2.685314685 MHz
T2		1	1.73384266 GHz	13.25 dBm		
M2		1	1.733328 GHz	16.18 dBm		
D3	M1	1	2.946 MHz	-2.76 dB		

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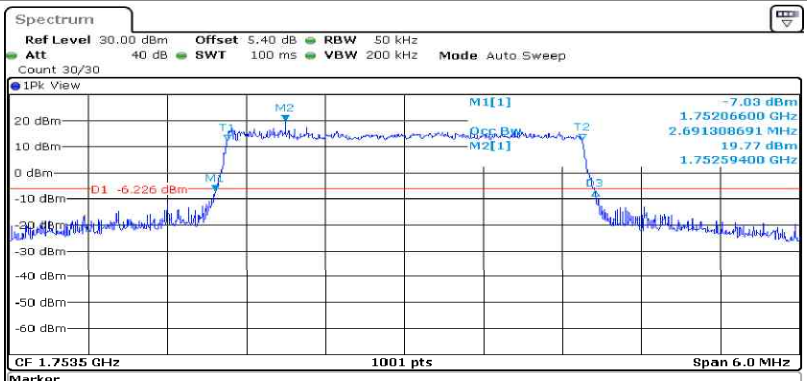
Band4-3MHz-QPSK-20385-15RB#0-2.691



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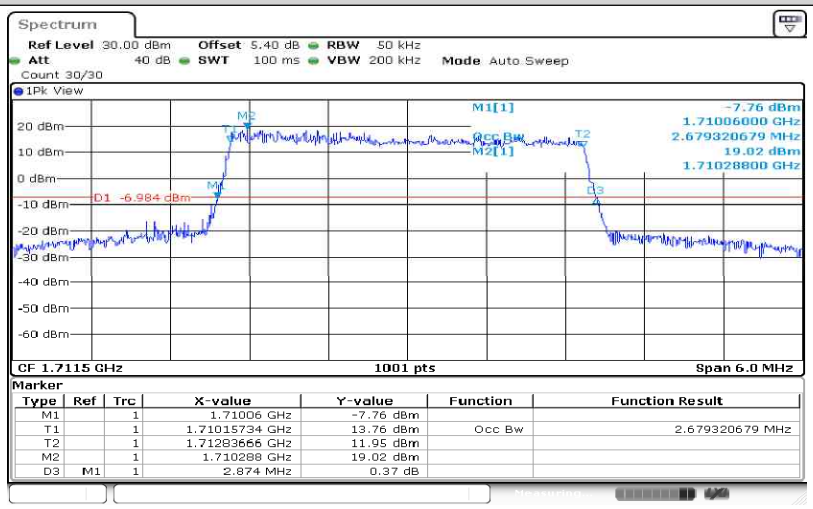
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.752066 GHz	-7.03 dBm		
T1		1	1.75215734 GHz	12.28 dBm	Occ Bw	2.691308691 MHz
T2		1	1.75484865 GHz	12.68 dBm		
M2		1	1.752594 GHz	19.77 dBm		
D3	M1	1	2.886 MHz	0.32 dB		

Date: 13.JUN.2020 11:01:20

Band4-3MHz-16QAM-19965-15RB#0-2.679



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71006 GHz	-7.76 dBm		
T1		1	1.71015734 GHz	13.76 dBm	Occ Bw	2.679320679 MHz
T2		1	1.71283666 GHz	11.95 dBm		
M2		1	1.710288 GHz	19.02 dBm		
D3	M1	1	2.874 MHz	0.37 dB		

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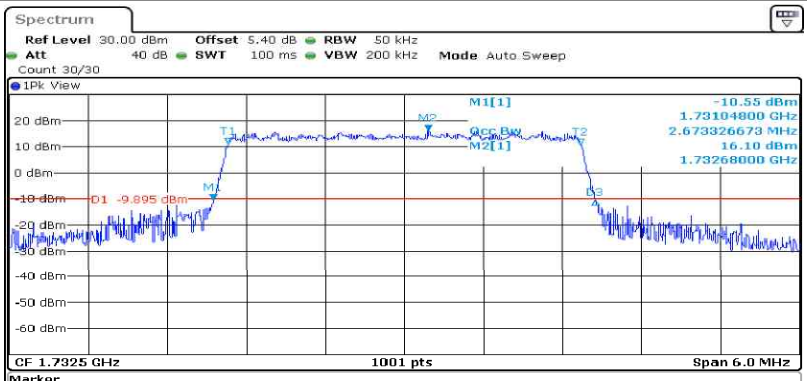
Band4-3MHz-16QAM-20175-15RB#0-2.673

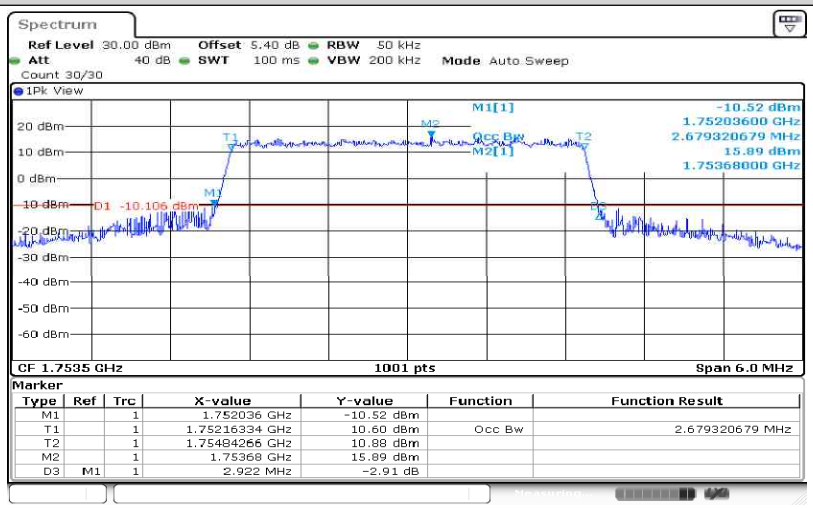


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731048 GHz	-10.55 dBm		
T1		1	1.73116334 GHz	10.87 dBm	Occ Bw	2.673326673 MHz
T2		1	1.73383666 GHz	10.64 dBm		
M2		1	1.73268 GHz	16.10 dBm		
D3	M1	1	2.904 MHz	0.22 dB		

Date: 13.JUN.2020 11:01:07

Band4-3MHz-16QAM-20385-15RB#0-2.679



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.752036 GHz	-10.52 dBm		
T1		1	1.75216334 GHz	10.60 dBm	Occ Bw	2.679320679 MHz
T2		1	1.75484266 GHz	10.88 dBm		
M2		1	1.75368 GHz	15.89 dBm		
D3	M1	1	2.922 MHz	-2.91 dB		

Date: 13.JUN.2020 11:01:33

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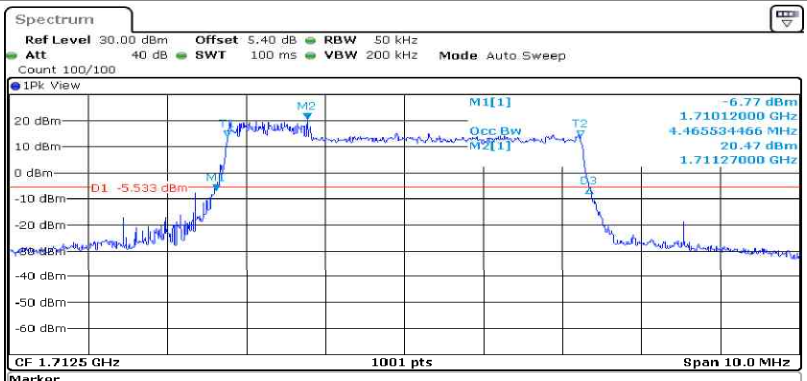
Band4-5MHz-QPSK-19975-25RB#0-4.466

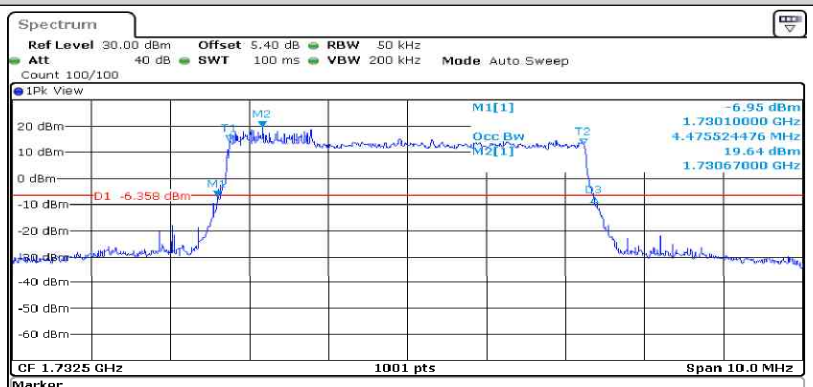


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71012 GHz	-6.77 dBm		
T1		1	1.7102622 GHz	13.93 dBm	Occ Bw	4.465534466 MHz
T2		1	1.7147278 GHz	13.75 dBm		
M2		1	1.71127 GHz	20.47 dBm		
D3	M1	1	4.72 MHz	1.11 dB		

Date: 13.JUN.2020 11:01:57

Band4-5MHz-QPSK-20175-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7301 GHz	-6.95 dBm		
T1		1	1.7302522 GHz	14.32 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7347278 GHz	13.05 dBm		
M2		1	1.73067 GHz	19.64 dBm		
D3	M1	1	4.76 MHz	0.07 dB		

Date: 13.JUN.2020 11:02:36

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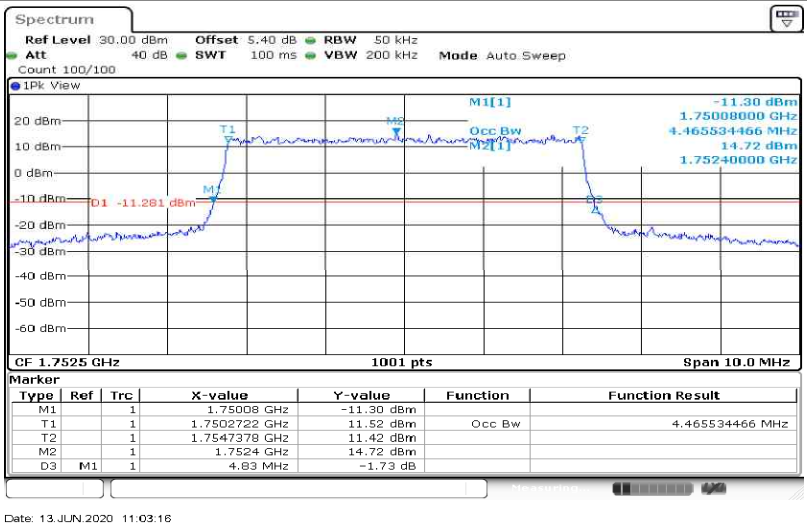
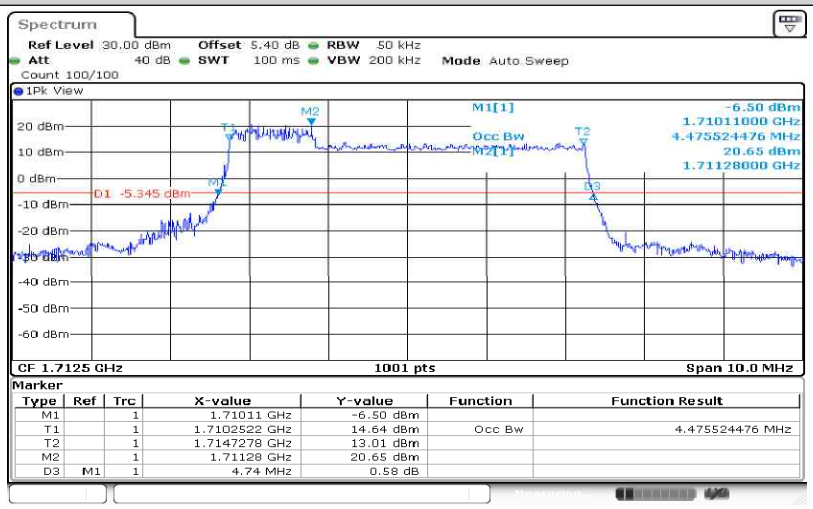
Band4-5MHz-QPSK-20375-25RB#0-4.466



Date: 13.JUN.2020 11:03:16

Band4-5MHz-16QAM-19975-25RB#0-4.476



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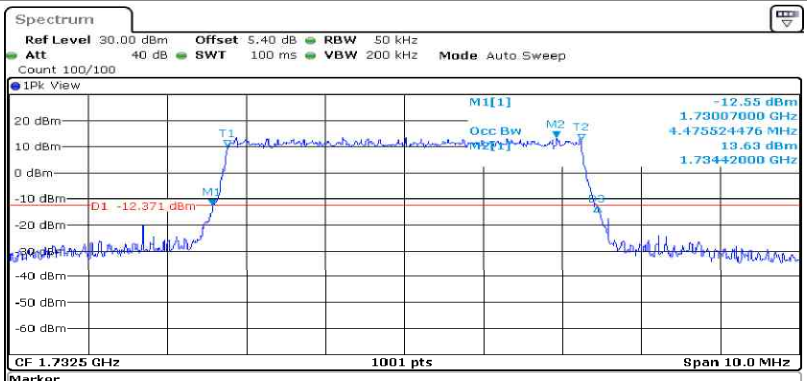
Band4-5MHz-16QAM-20175-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73007 GHz	-12.55 dBm		
T1		1	1.7302622 GHz	10.08 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7347378 GHz	12.60 dBm		
M2		1	1.73442 GHz	13.63 dBm		
D3	M1	1	4.87 MHz	-0.17 dB		

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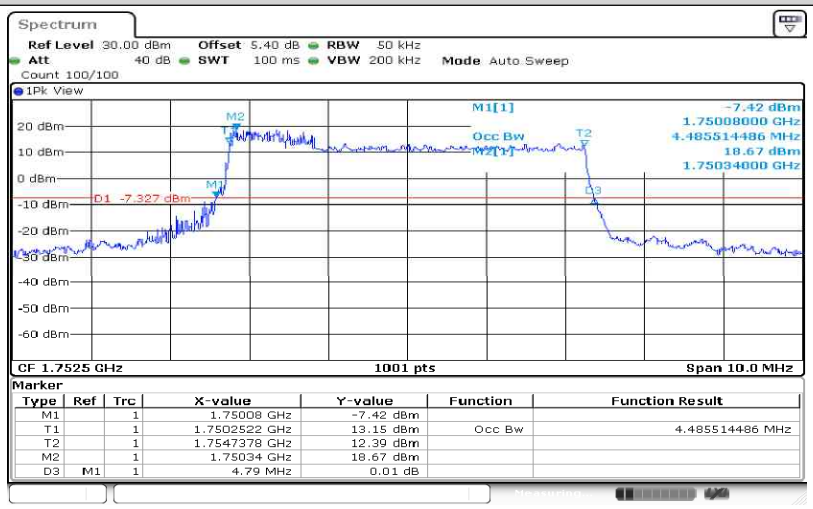
Band4-5MHz-16QAM-20375-25RB#0-4.486



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75008 GHz	-7.42 dBm		
T1		1	1.7502522 GHz	13.15 dBm	Occ Bw	4.485514486 MHz
T2		1	1.7547378 GHz	12.39 dBm		
M2		1	1.75034 GHz	18.67 dBm		
D3	M1	1	4.79 MHz	0.01 dB		

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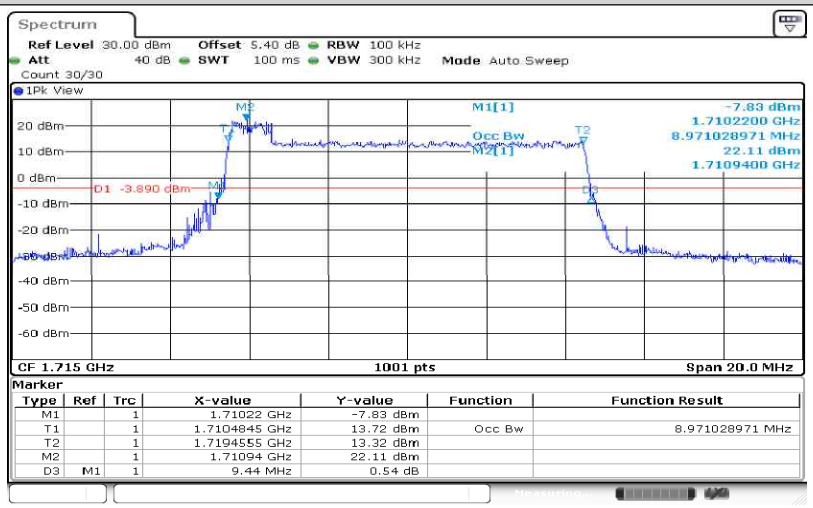
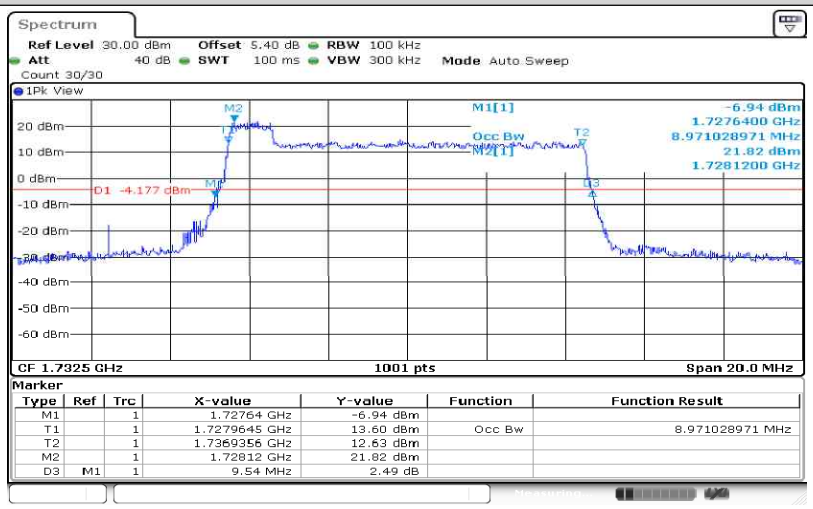
Band4-10MHz-QPSK-20000-50RB#0-8.971



Band4-10MHz-QPSK-20175-50RB#0-8.971



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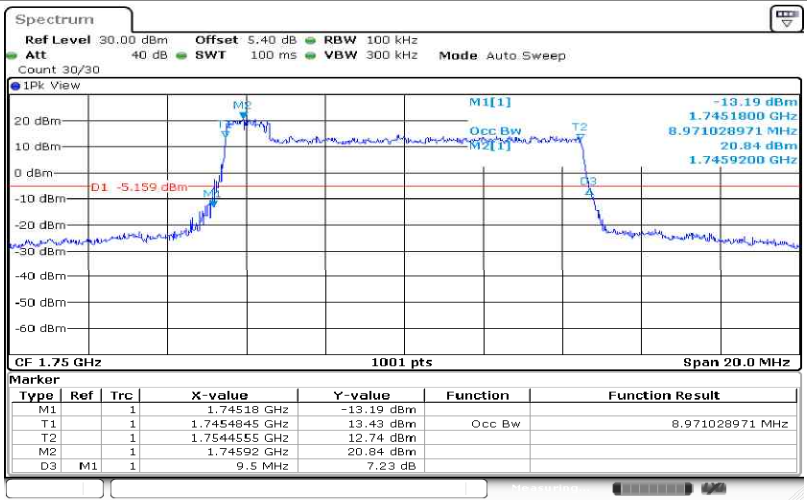
Band4-10MHz-QPSK-20350-50RB#0-8.971

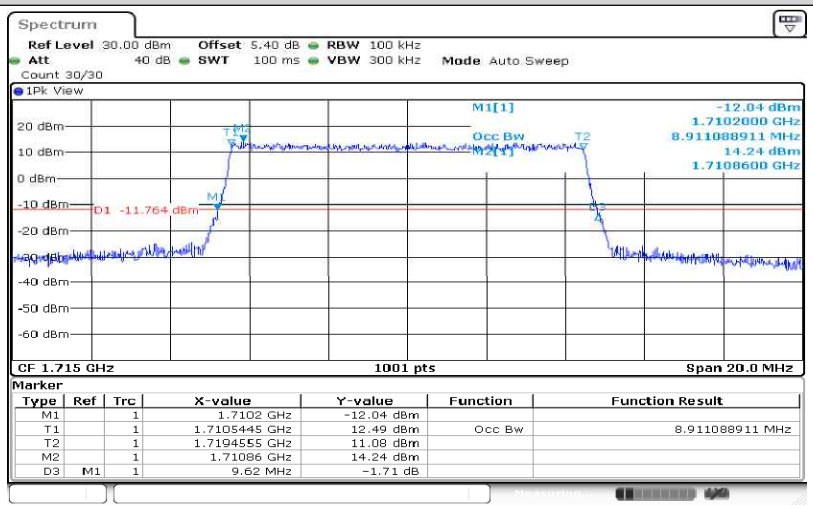


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74518 GHz	-13.19 dBm		
T1		1	1.7454845 GHz	13.43 dBm	Occ Bw	8.971028971 MHz
T2		1	1.7544555 GHz	12.74 dBm		
M2		1	1.74592 GHz	20.84 dBm		
D3	M1	1	9.5 MHz	7.23 dB		

Date: 13.JUN.2020 11:04:44

Band4-10MHz-16QAM-20000-50RB#0-8.911



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7102 GHz	-12.04 dBm		
T1		1	1.7105445 GHz	12.49 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7194555 GHz	11.08 dBm		
M2		1	1.71086 GHz	14.24 dBm		
D3	M1	1	9.62 MHz	-1.71 dB		

Date: 13.JUN.2020 11:04:06

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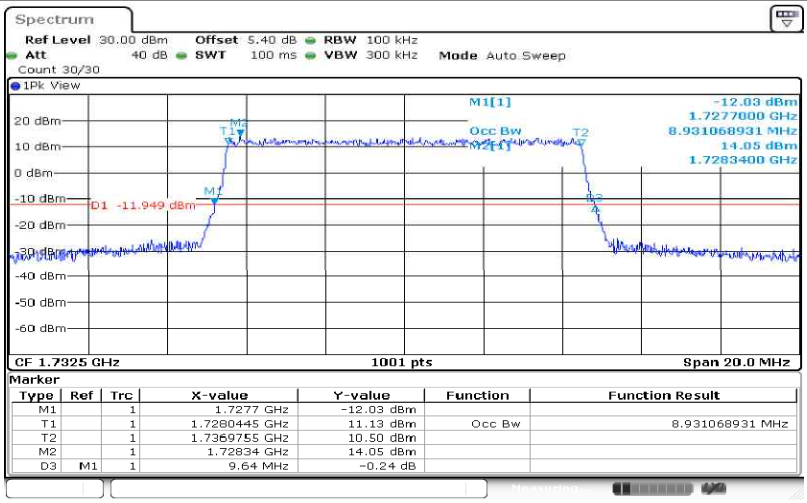
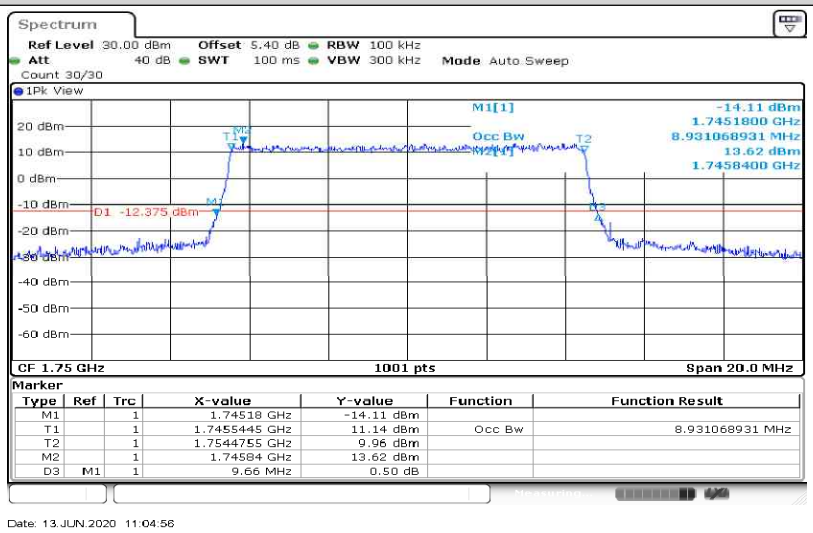


Band4-10MHz-16QAM-20350-50RB#0-8.931



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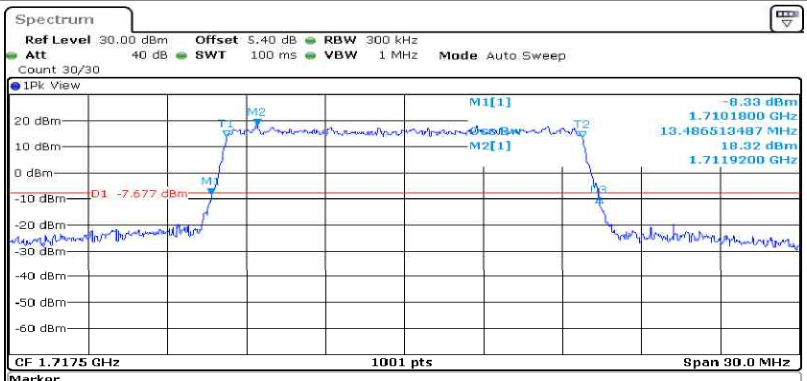
Band4-15MHz-QPSK-20025-75RB#0-13.487



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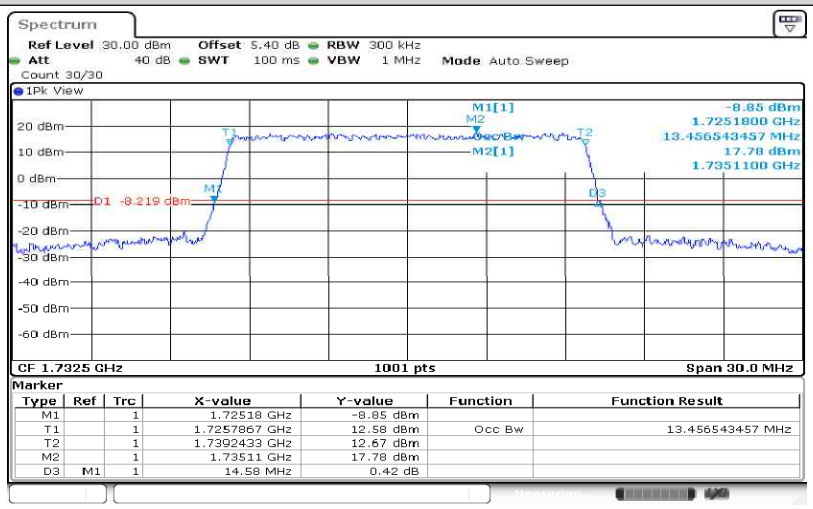
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71018 GHz	-8.33 dBm		
T1		1	1.7107567 GHz	13.81 dBm	Occ Bw	13.486513487 MHz
T2		1	1.7242433 GHz	13.57 dBm		
M2		1	1.71192 GHz	18.32 dBm		
D3	M1	1	14.7 MHz	-0.84 dB		

Date: 13.JUN.2020 11:05:14

Band4-15MHz-QPSK-20175-75RB#0-13.457



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72518 GHz	-8.85 dBm		
T1		1	1.7257867 GHz	12.58 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392433 GHz	12.67 dBm		
M2		1	1.73511 GHz	17.78 dBm		
D3	M1	1	14.58 MHz	0.42 dB		

Date: 13.JUN.2020 11:05:39

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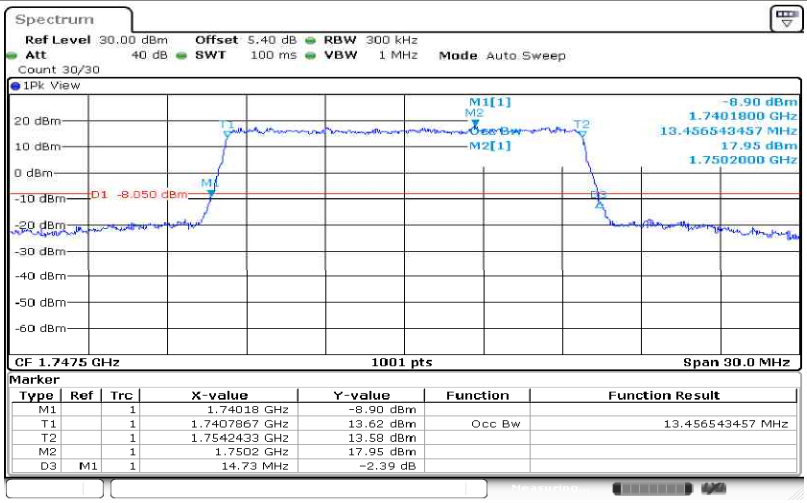
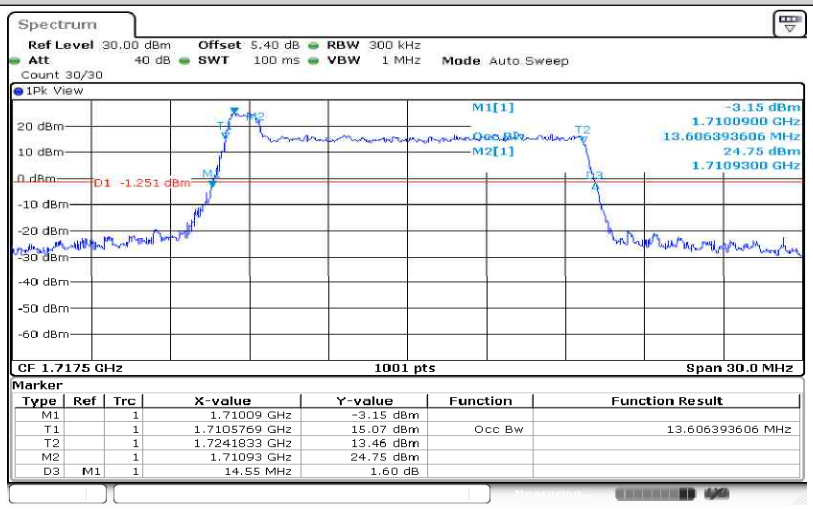
Band4-15MHz-QPSK-20325-75RB#0-13.457



Date: 13.JUN.2020 11:06:05

Band4-15MHz-16QAM-20025-75RB#0-13.606



Date: 13.JUN.2020 11:05:26

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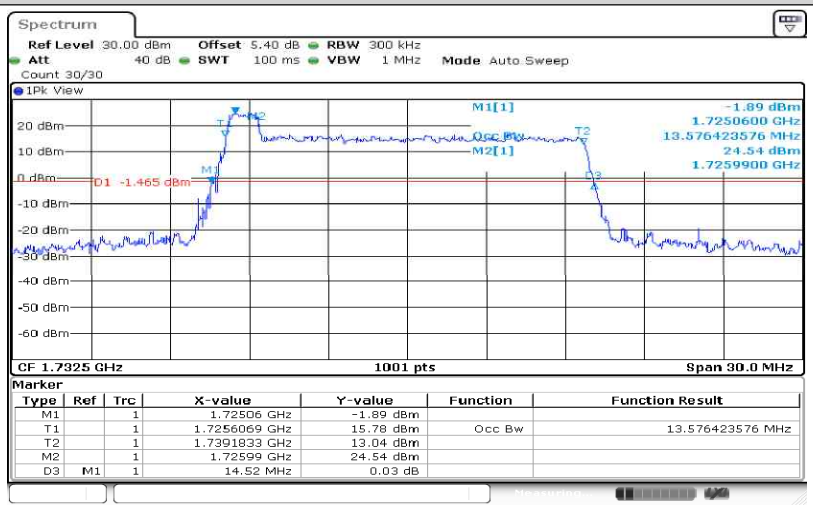
Band4-15MHz-16QAM-20175-75RB#0-13.576



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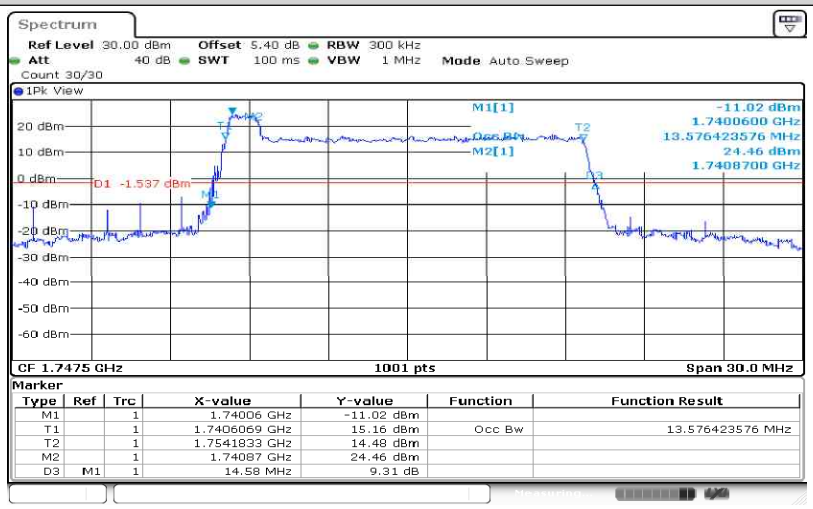

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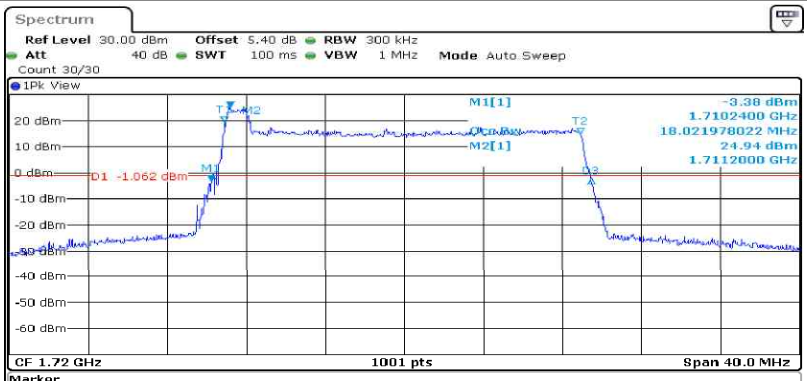
Band4-20MHz-QPSK-20050-100RB#0-18.022



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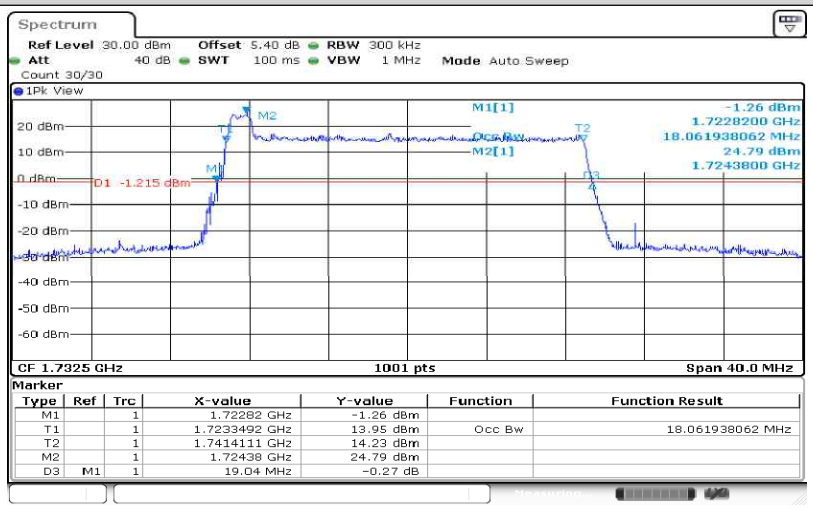
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71024 GHz	-3.38 dBm		
T1		1	1.7108891 GHz	19.38 dBm	Occ Bw	18.021978022 MHz
T2		1	1.7289111 GHz	14.88 dBm		
M2		1	1.7112 GHz	24.94 dBm		
D3	M1	1	19.2 MHz	1.28 dB		

Date: 13.JUN.2020 11:06:35

Band4-20MHz-QPSK-20175-100RB#0-18.062



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72282 GHz	-1.26 dBm		
T1		1	1.7233492 GHz	13.95 dBm	Occ Bw	18.061938062 MHz
T2		1	1.7414111 GHz	14.23 dBm		
M2		1	1.72438 GHz	24.79 dBm		
D3	M1	1	19.04 MHz	-0.27 dB		

Date: 13.JUN.2020 11:07:00

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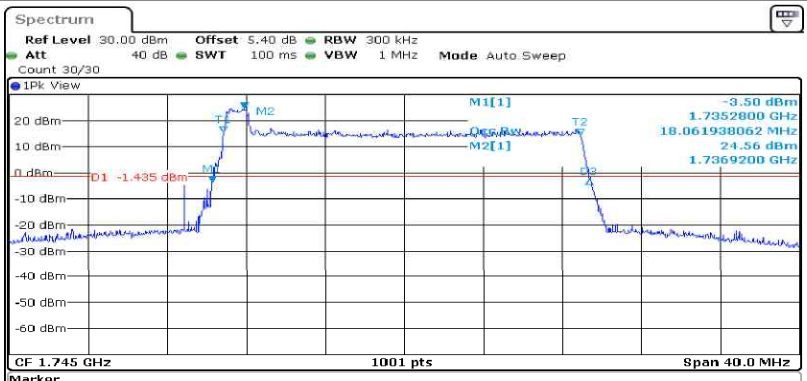
Band4-20MHz-QPSK-20300-100RB#0-18.062



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73528 GHz	-3.50 dBm		
T1		1	1.7358492 GHz	15.59 dBm	Occ Bw	18.061938062 MHz
T2		1	1.7539111 GHz	14.55 dBm		
M2		1	1.73692 GHz	24.56 dBm		
D3	M1	1	19.08 MHz	1.20 dB		

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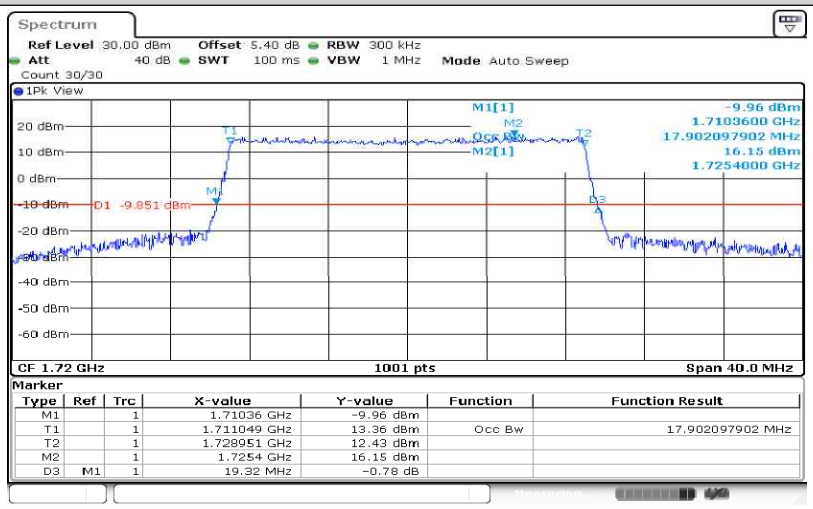
Band4-20MHz-16QAM-20050-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71036 GHz	-9.96 dBm		
T1		1	1.711049 GHz	13.36 dBm	Occ Bw	17.902097902 MHz
T2		1	1.728951 GHz	12.43 dBm		
M2		1	1.7254 GHz	16.15 dBm		
D3	M1	1	19.32 MHz	-0.78 dB		

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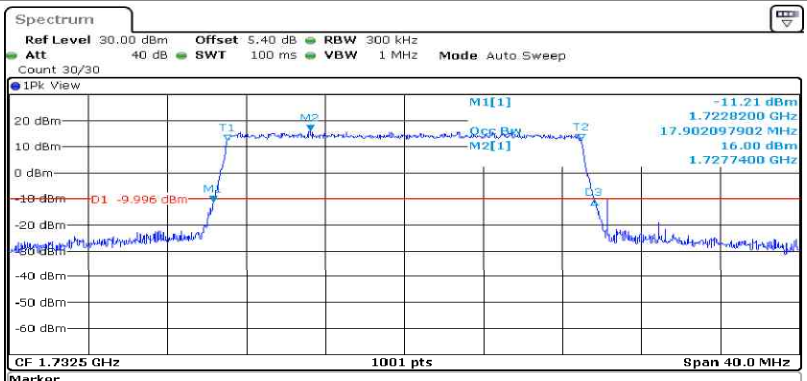

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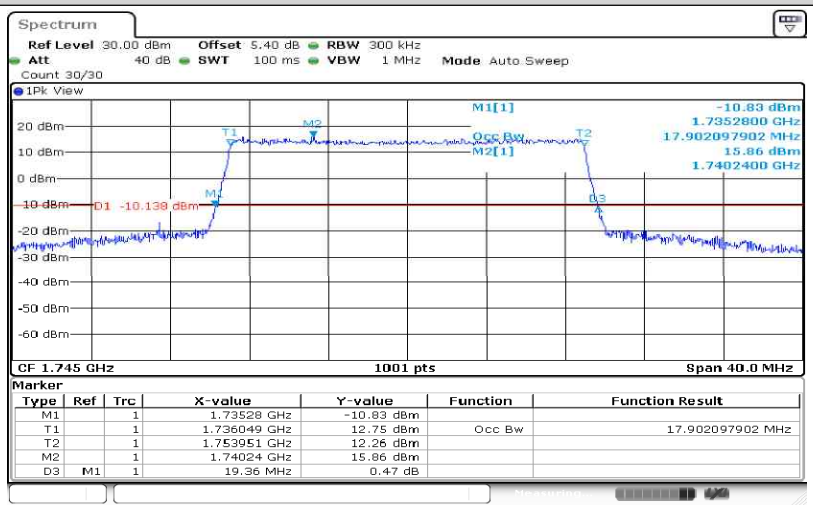
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72282 GHz	-11.21 dBm		
T1		1	1.723549 GHz	12.23 dBm	Occ Bw	17.902097902 MHz
T2		1	1.741451 GHz	12.56 dBm		
M2		1	1.72774 GHz	16.00 dBm		
D3	M1	1	19.28 MHz	0.88 dB		

Date: 13.JUN.2020 11:07:13

Band4-20MHz-16QAM-20300-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73528 GHz	-10.83 dBm		
T1		1	1.736049 GHz	12.75 dBm	Occ Bw	17.902097902 MHz
T2		1	1.753951 GHz	12.26 dBm		
M2		1	1.74024 GHz	15.86 dBm		
D3	M1	1	19.36 MHz	0.47 dB		

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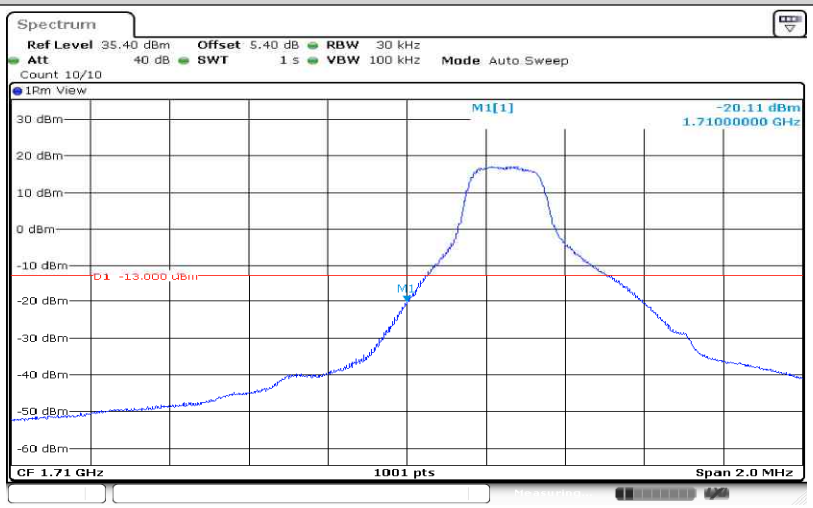
5. Band Edge Compliance

5.1. Test Plots

Band4-1.4MHz-QPSK-19957-1RB#0



Band4-1.4MHz-QPSK-19957-6RB#0

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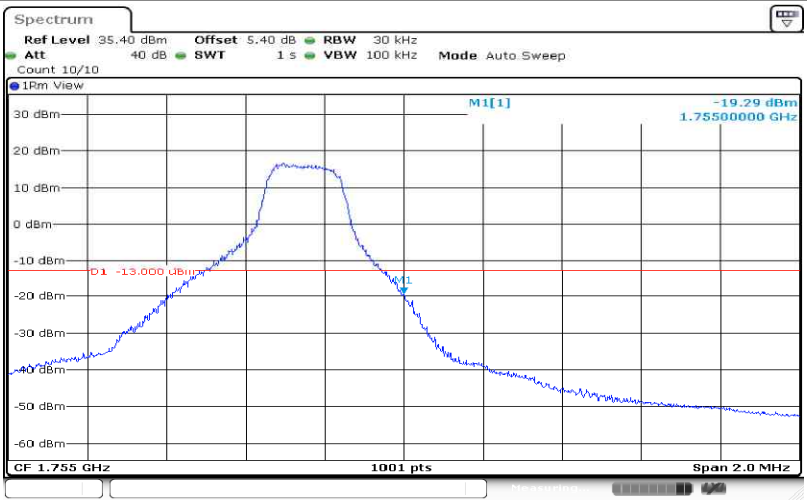
Band4-1.4MHz-QPSK-20393-1RB#5



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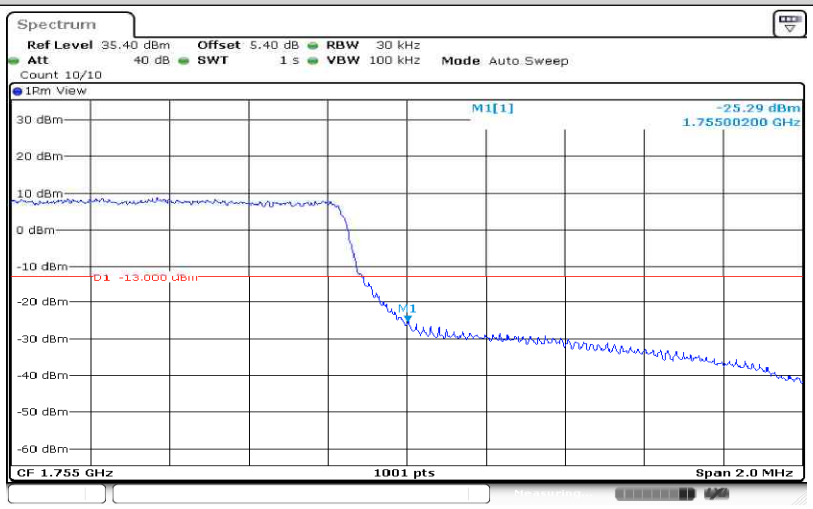

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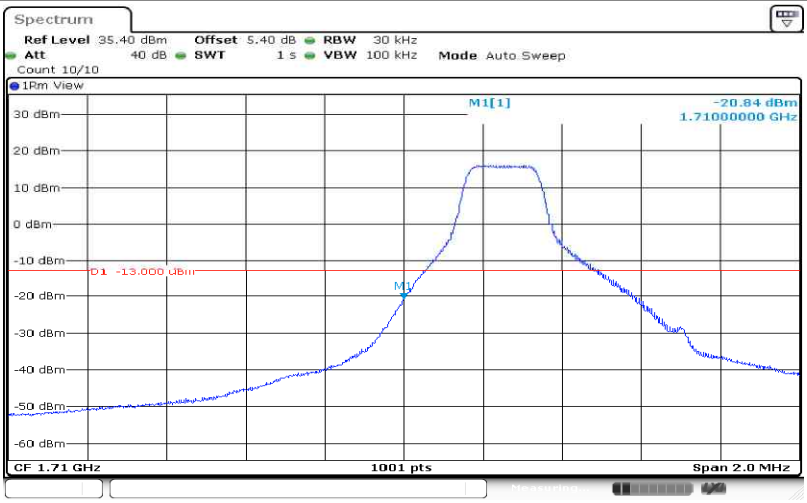
Band4-1.4MHz-16QAM-19957-1RB#0



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Band4-1.4MHz-16QAM-19957-6RB#0

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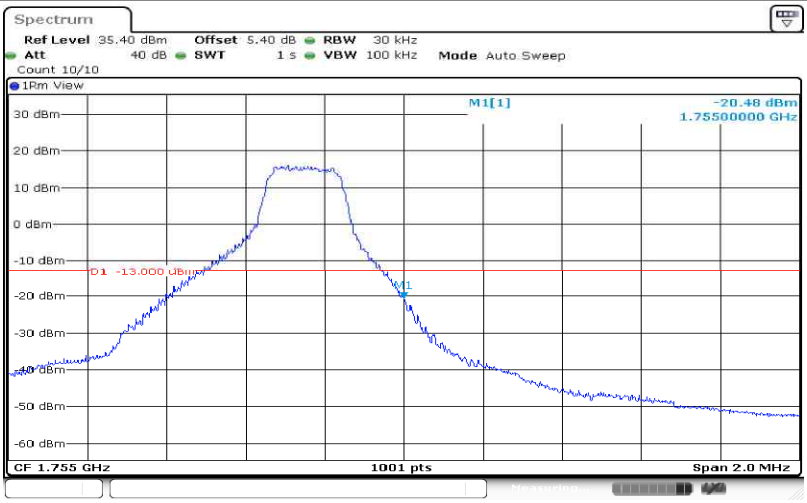

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Band4-1.4MHz-16QAM-20393-6RB#0

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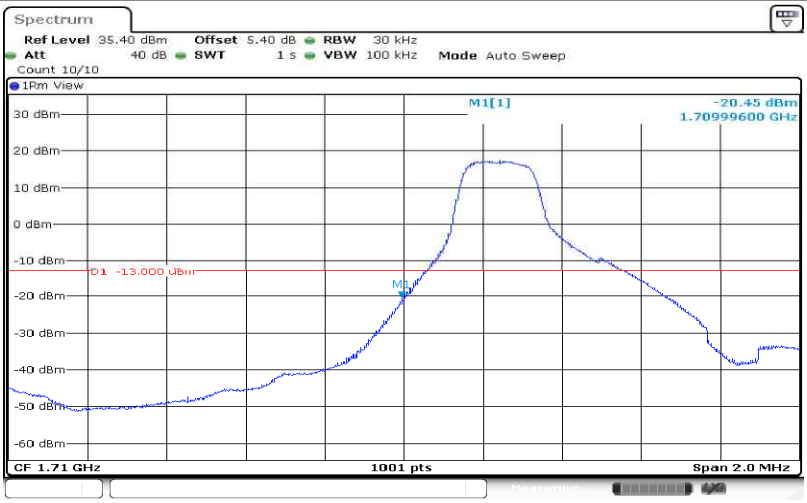
Band4-3MHz-QPSK-19965-1RB#0



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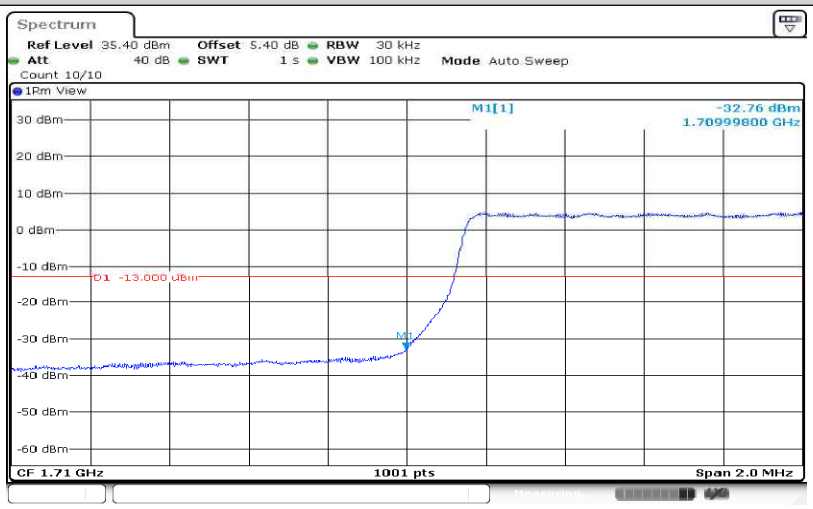
Band4-3MHz-QPSK-19965-15RB#0



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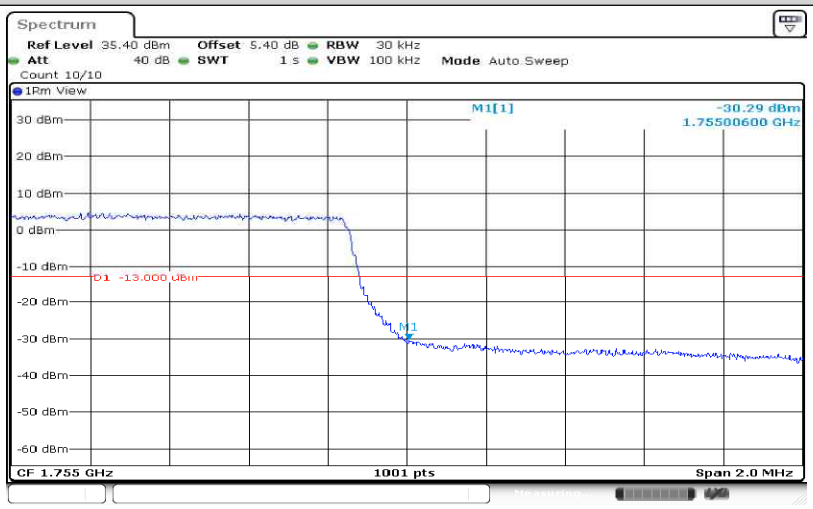
Band4-3MHz-QPSK-20385-1RB#14

Date: 13.JUN.2020 11:12:23

Band4-3MHz-QPSK-20385-15RB#0



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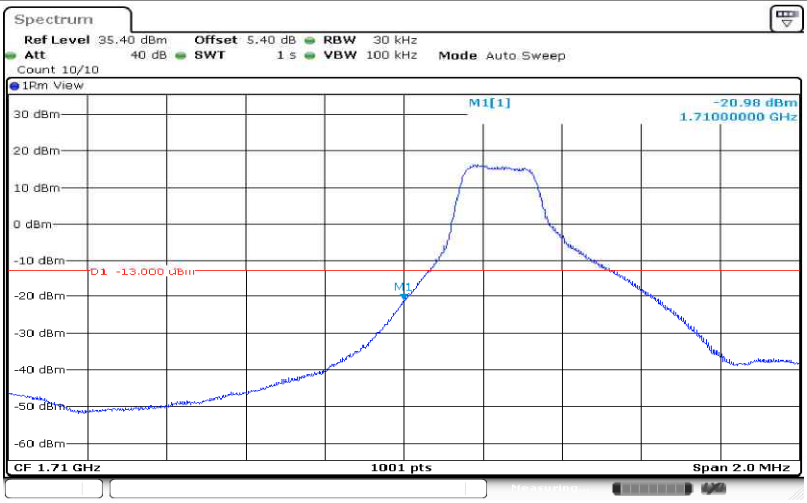
Band4-3MHz-16QAM-19965-1RB#0



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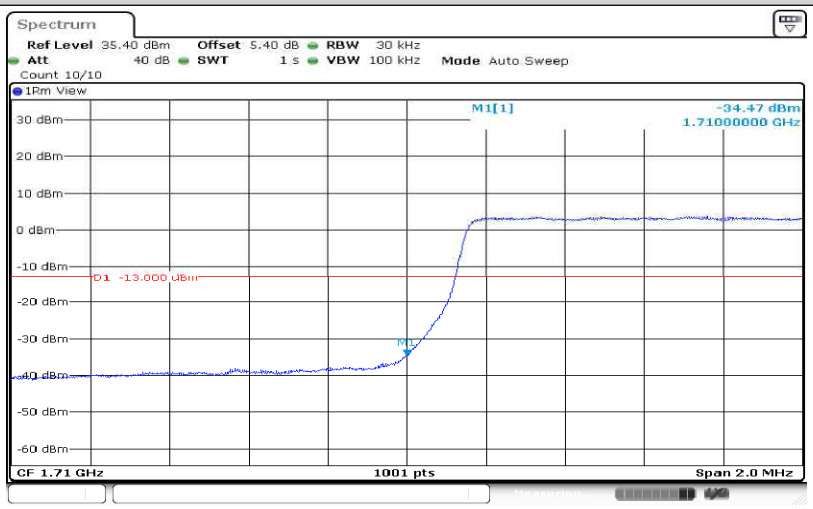

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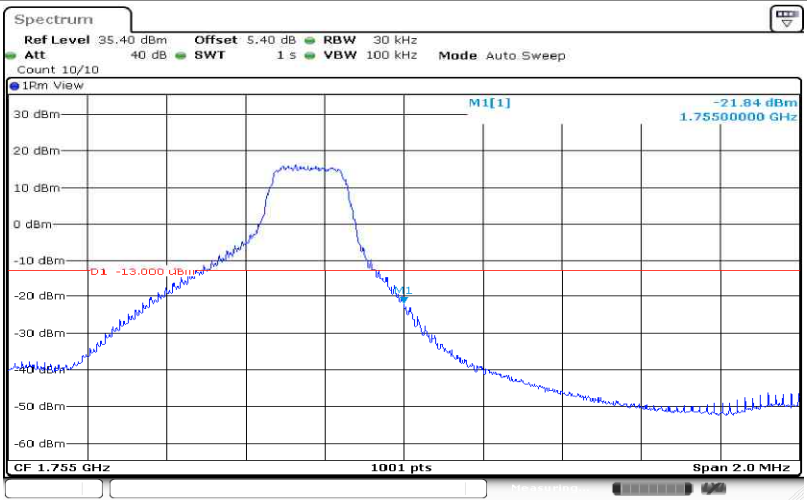
Band4-3MHz-16QAM-20385-1RB#14



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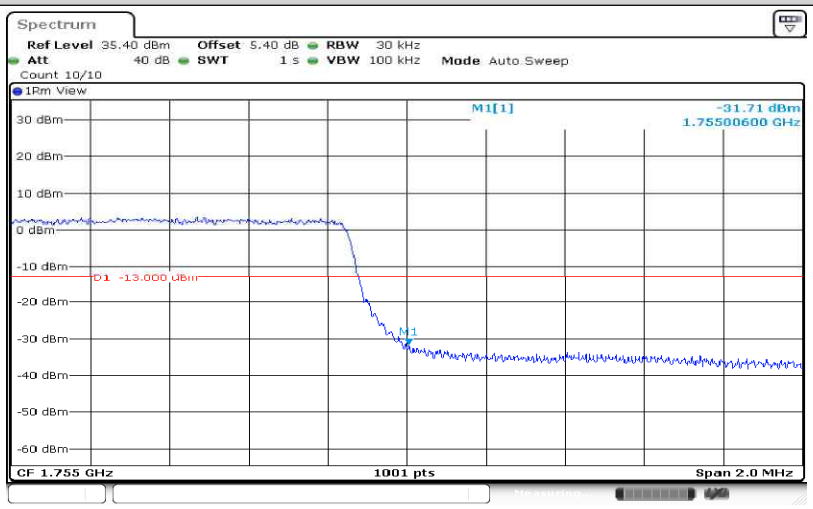

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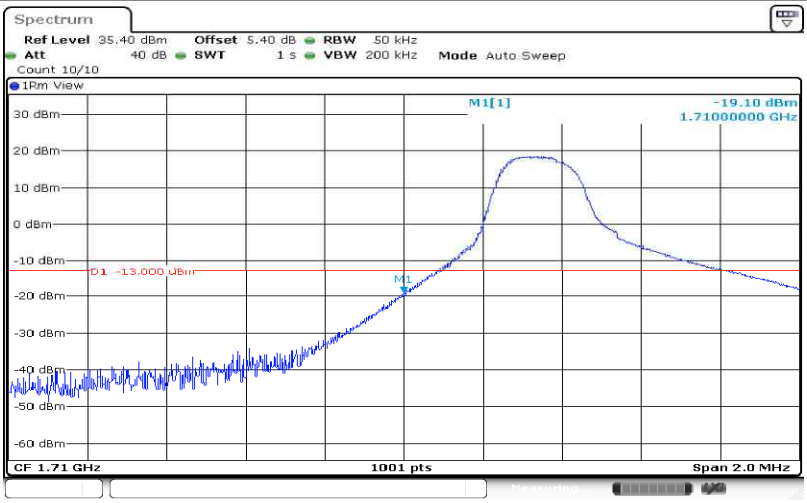
Band4-5MHz-QPSK-19975-1RB#0



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Band4-5MHz-QPSK-19975-25RB#0

Date: 13.JUN.2020 11:14:31

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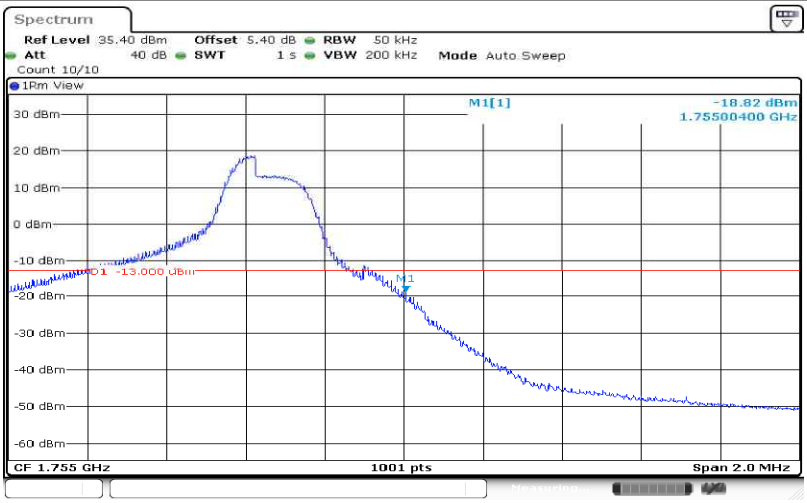
Band4-5MHz-QPSK-20375-1RB#24



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Band4-5MHz-QPSK-20375-25RB#0

Date: 13.JUN.2020 11:15:57

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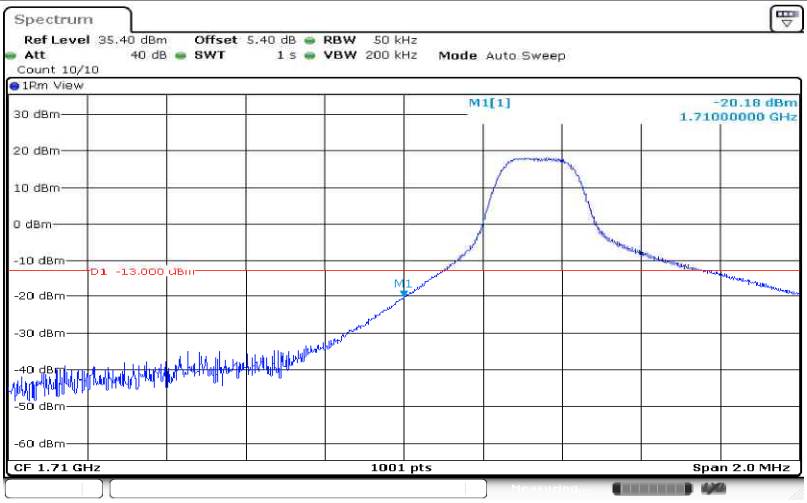
Band4-5MHz-16QAM-19975-1RB#0



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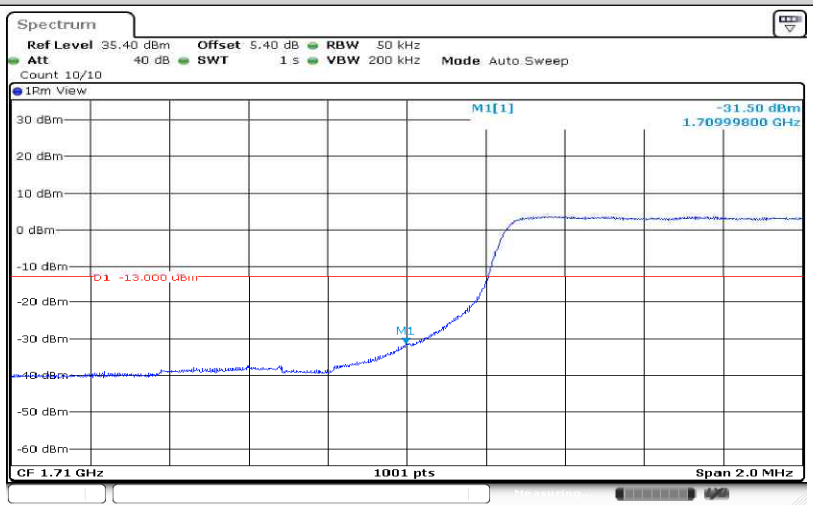
Band4-5MHz-16QAM-19975-25RB#0



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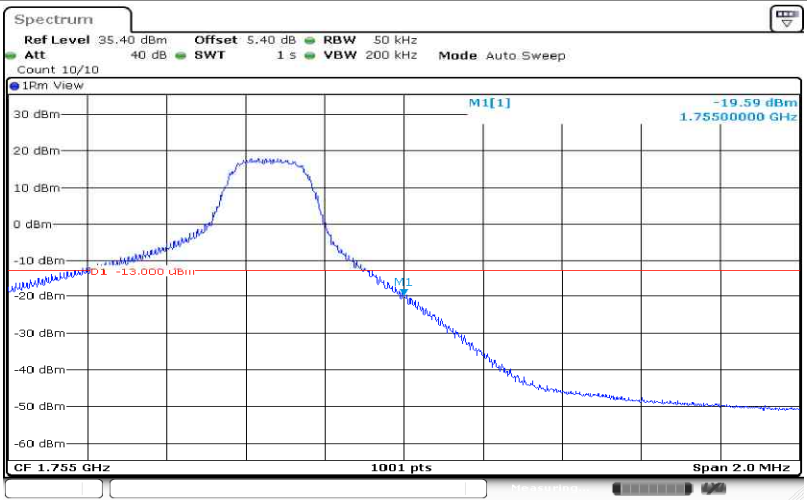

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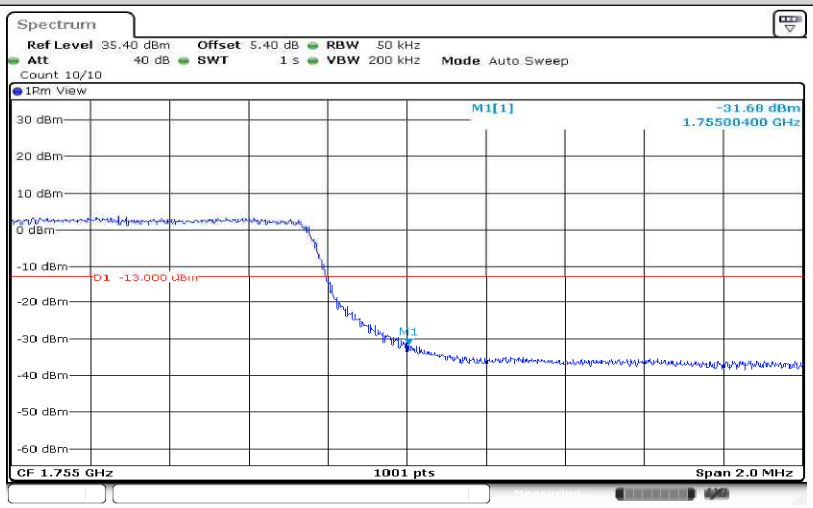

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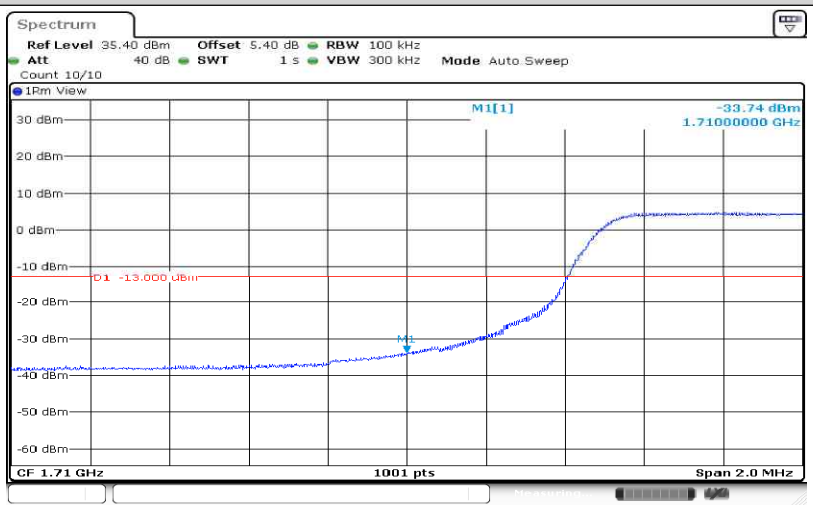
Band4-10MHz-QPSK-20000-1RB#0

Date: 13.JUN.2020 11:16:42

Band4-10MHz-QPSK-20000-50RB#0



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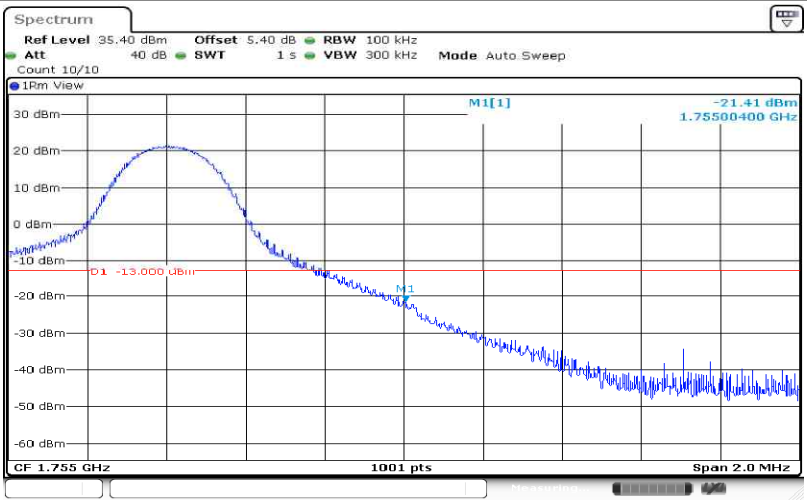
Band4-10MHz-QPSK-20350-1RB#49



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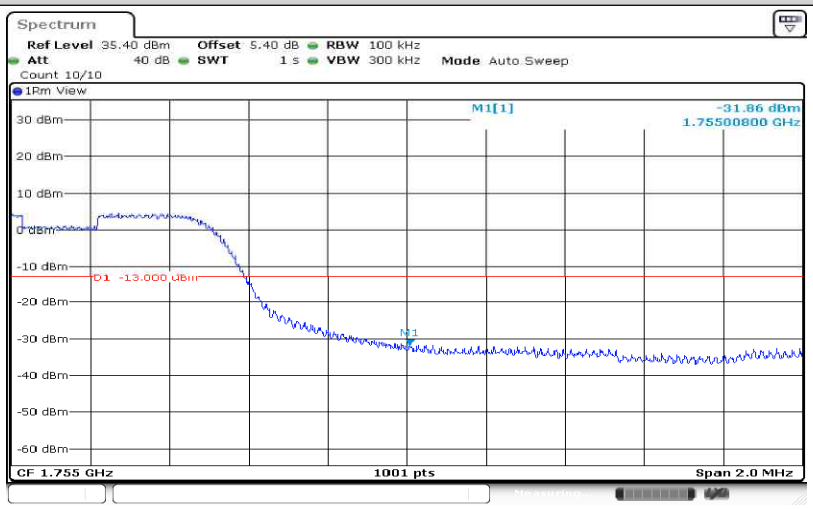

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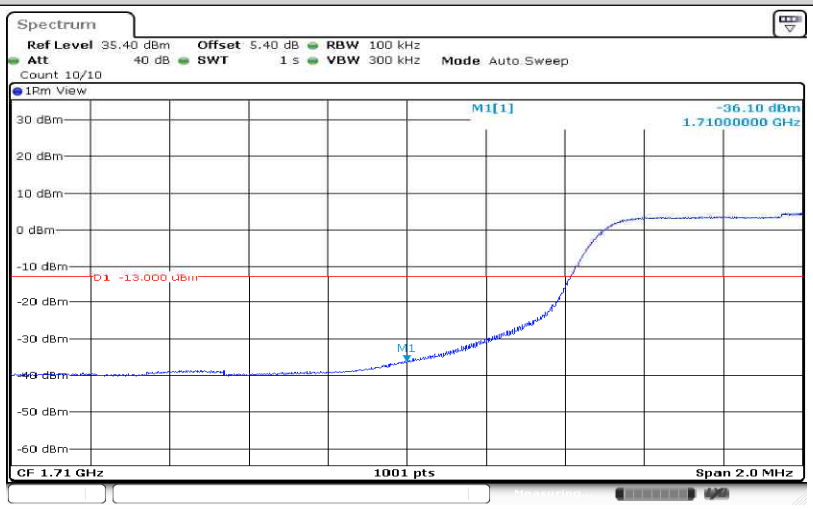
Band4-10MHz-16QAM-20000-1RB#0

Date: 13.JUN.2020 11:17:03

Band4-10MHz-16QAM-20000-50RB#0



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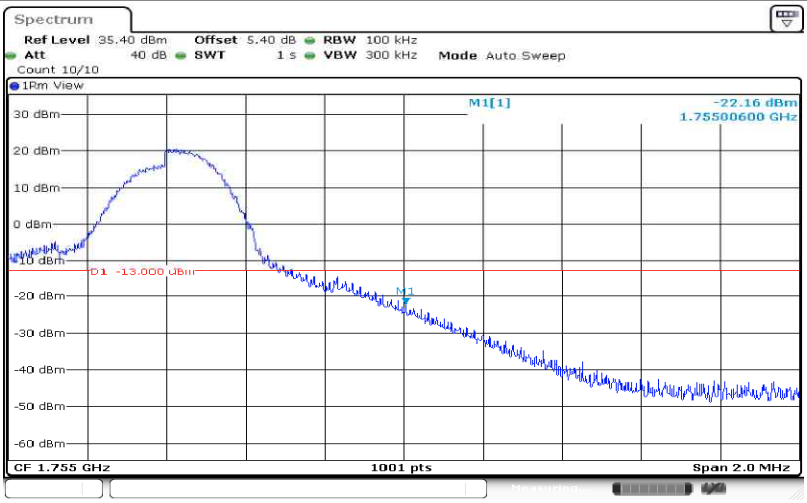
Band4-10MHz-16QAM-20350-1RB#49



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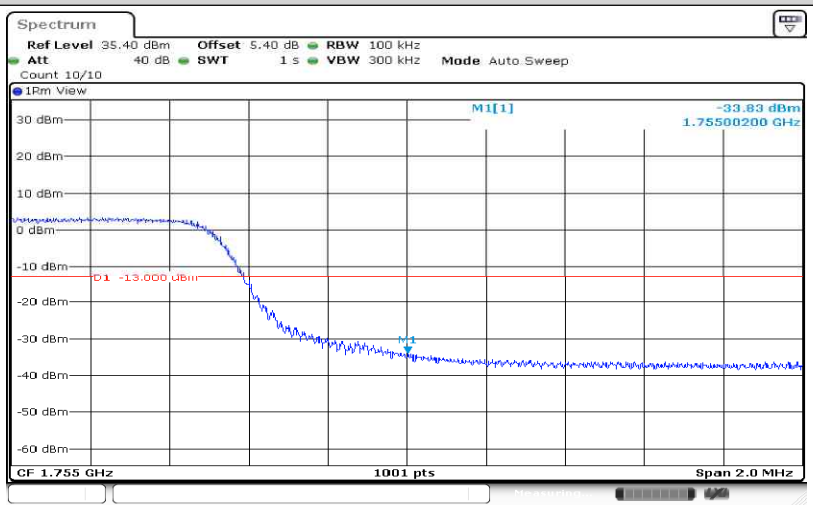

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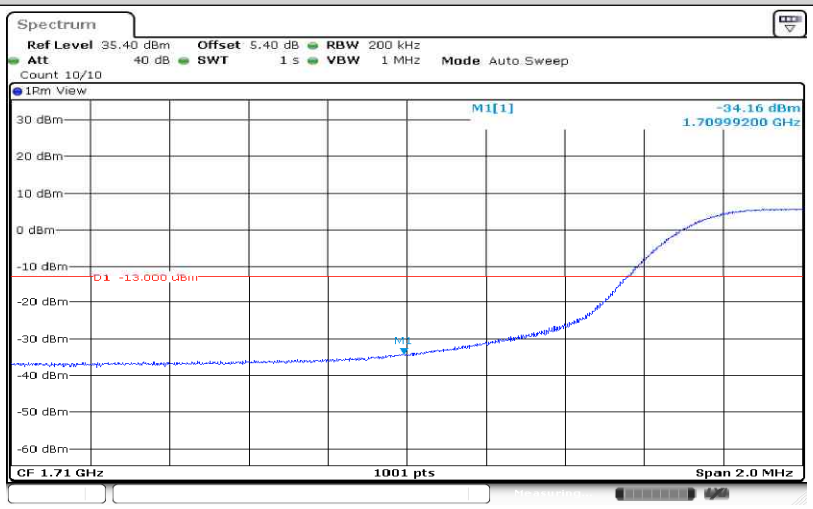
Band4-15MHz-QPSK-20025-1RB#0

Date: 13.JUN.2020 11:19:35

Band4-15MHz-QPSK-20025-75RB#0



Date: 13.JUN.2020 11:20:15

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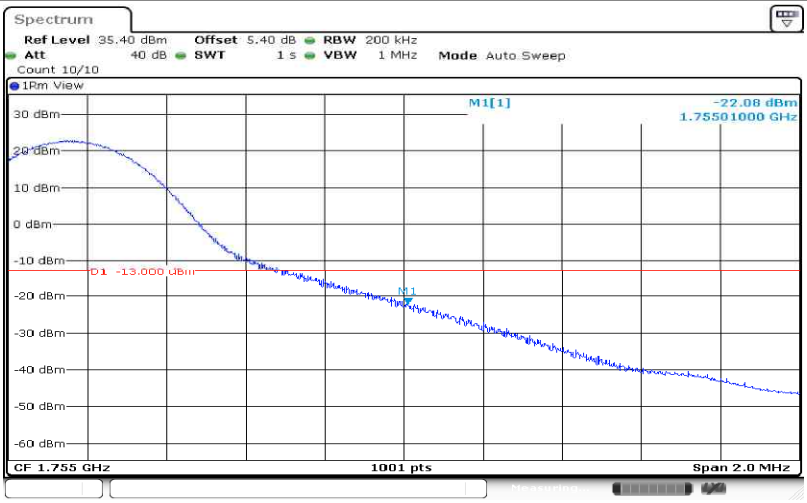
Band4-15MHz-QPSK-20325-1RB#74



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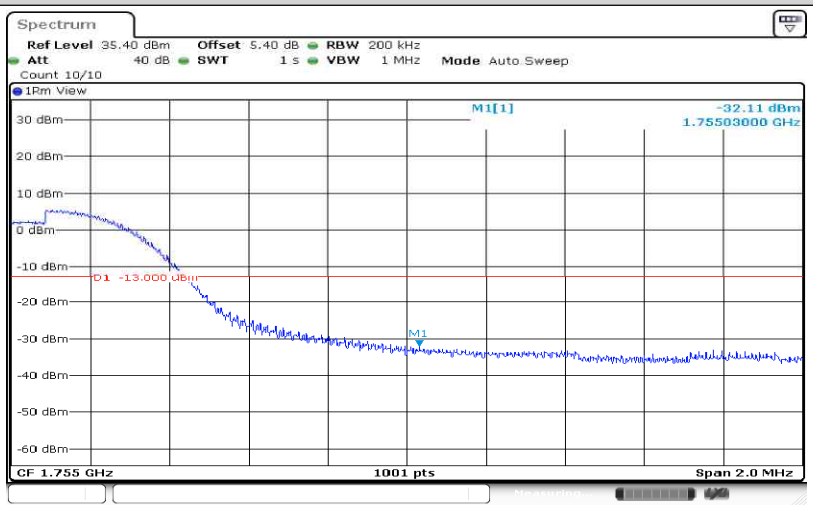
Band4-15MHz-QPSK-20325-75RB#0



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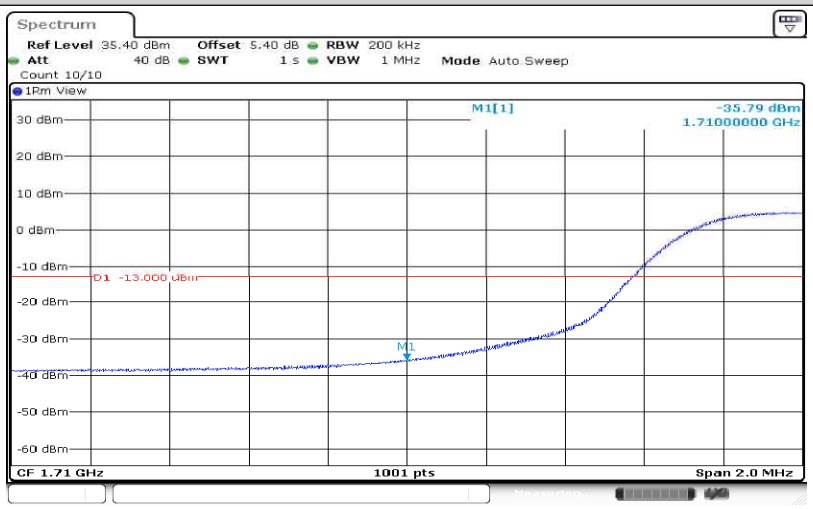
Band4-15MHz-16QAM-20025-1RB#0

Date: 13.JUN.2020 11:19:55

Band4-15MHz-16QAM-20025-75RB#0



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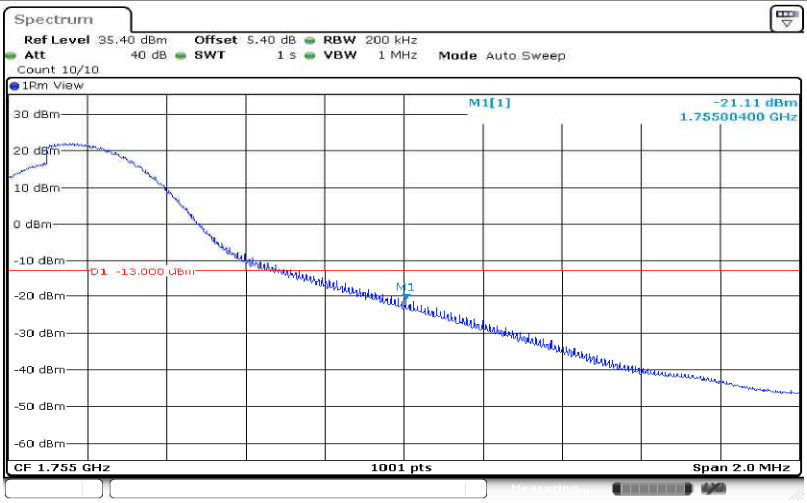
Band4-15MHz-16QAM-20325-1RB#74



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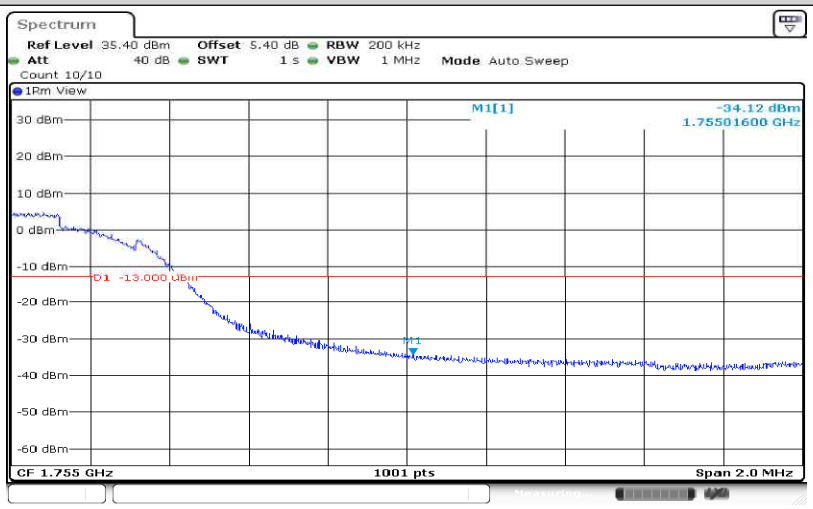
Band4-15MHz-16QAM-20325-75RB#0



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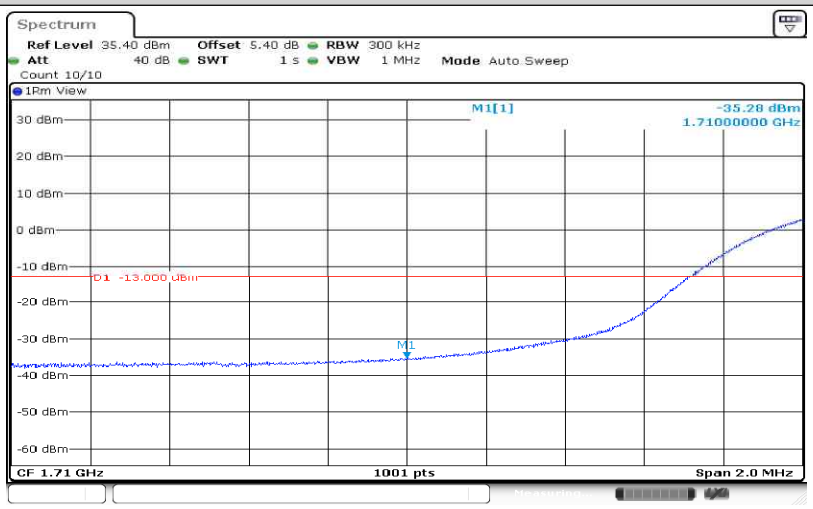
Band4-20MHz-QPSK-20050-1RB#0

Date: 13.JUN.2020 11:22:27

Band4-20MHz-QPSK-20050-100RB#0



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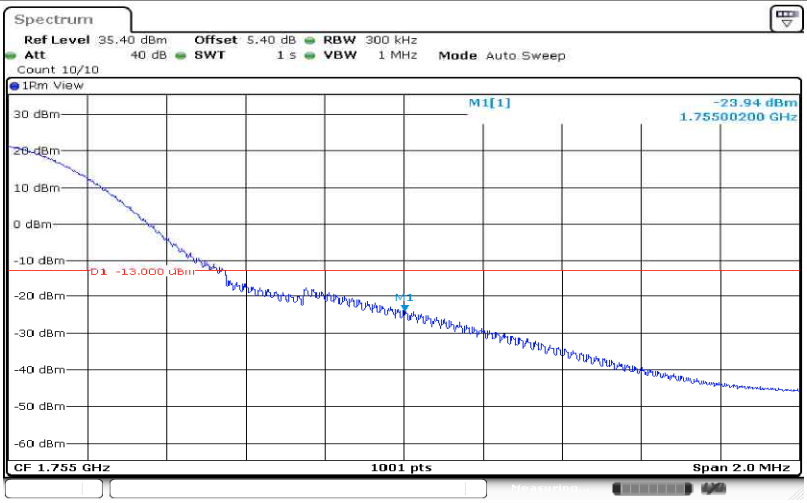
Band4-20MHz-QPSK-20300-1RB#99



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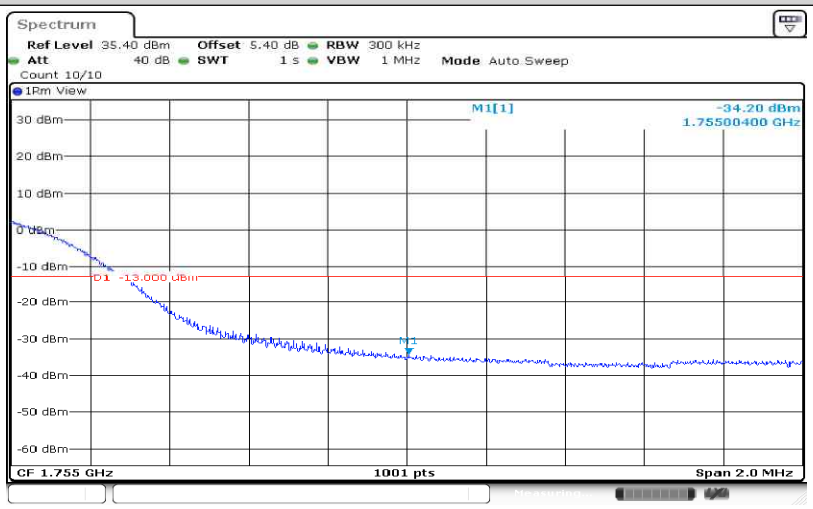
Band4-20MHz-QPSK-20300-100RB#0



Date: 13.JUN.2020 11:24:34

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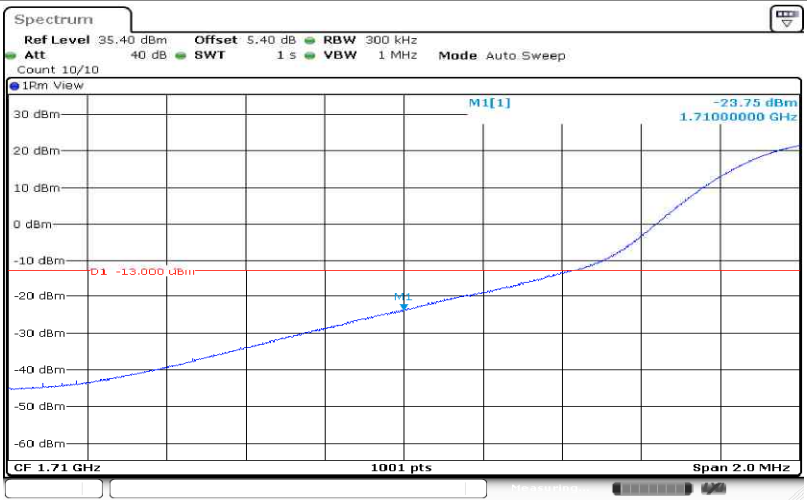
Band4-20MHz-16QAM-20050-1RB#0



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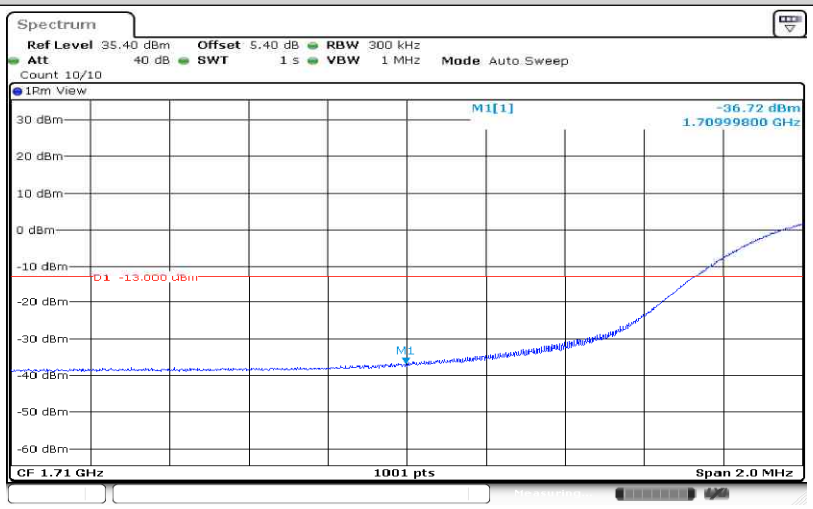
Band4-20MHz-16QAM-20050-100RB#0



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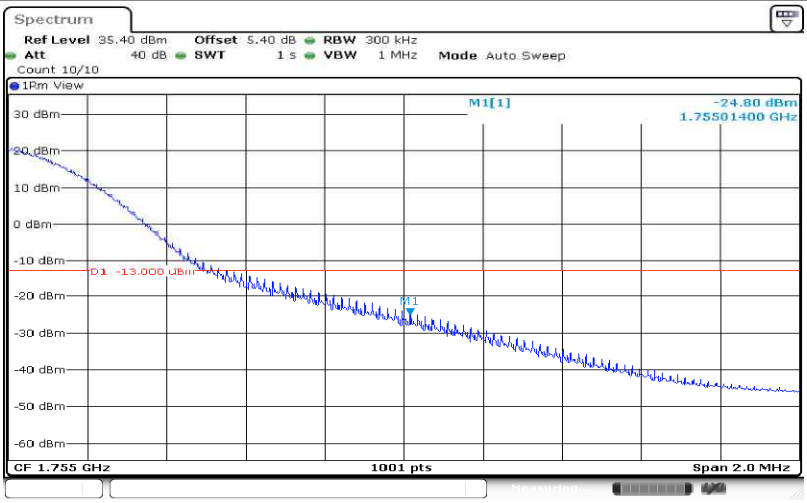
Band4-20MHz-16QAM-20300-1RB#99



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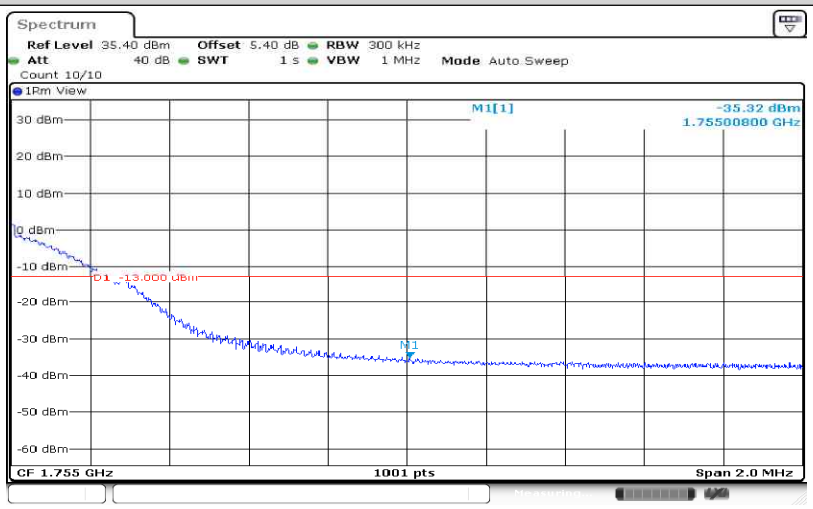
Band4-20MHz-16QAM-20300-100RB#0



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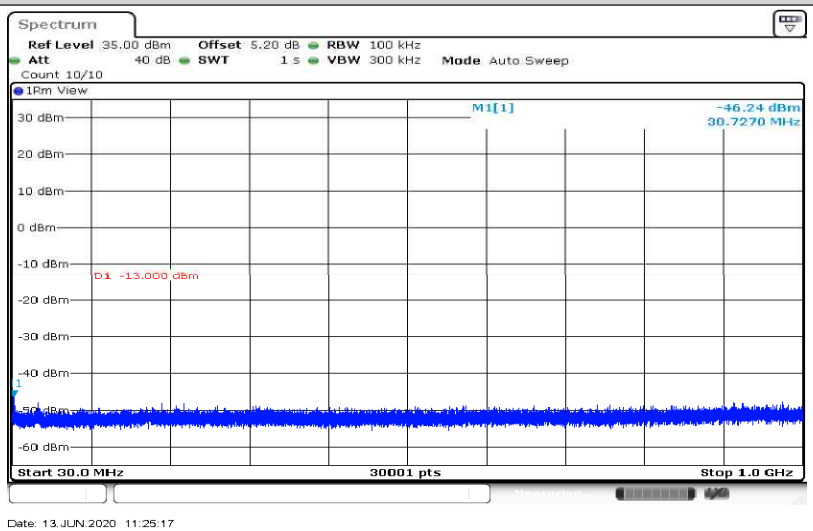
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

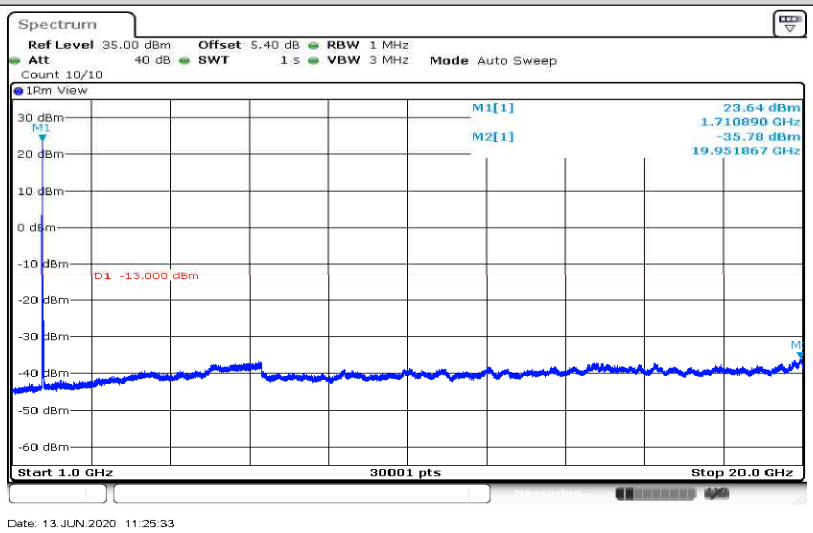
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



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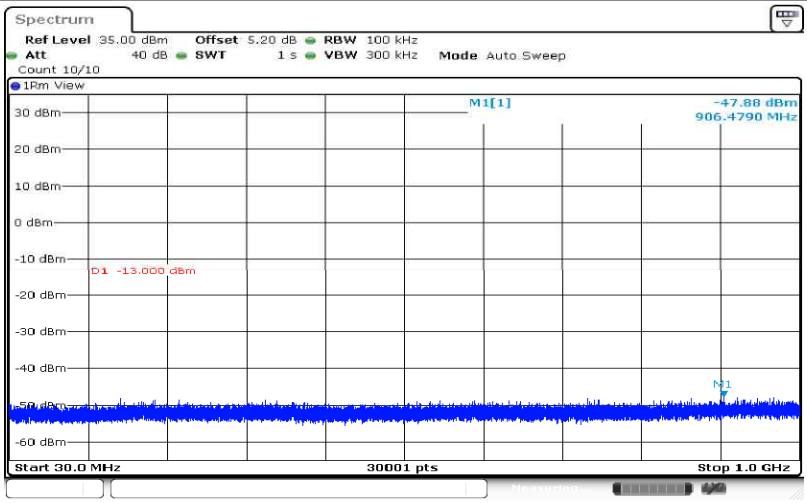
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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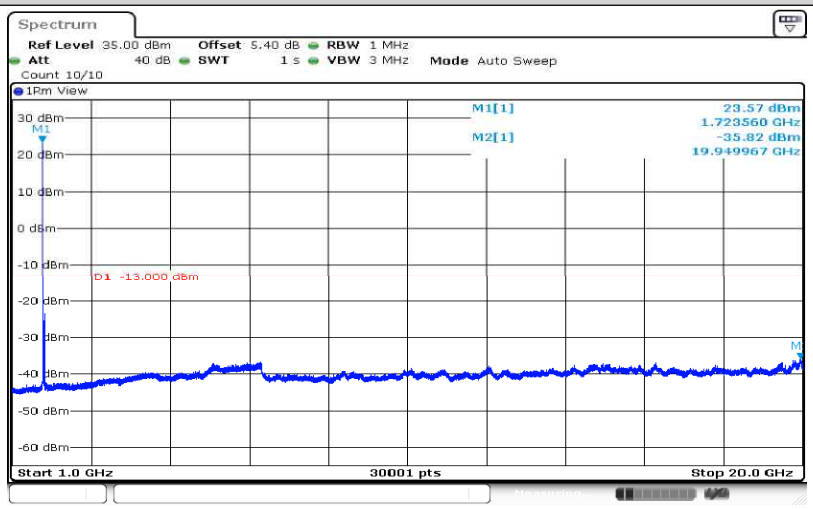
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



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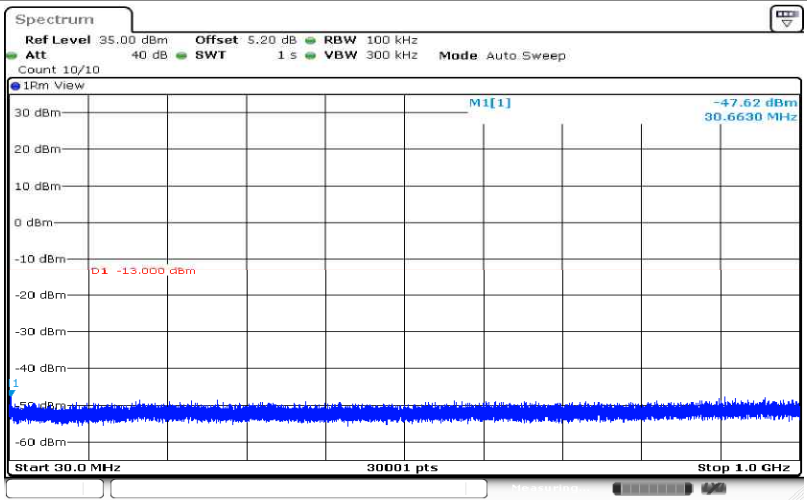
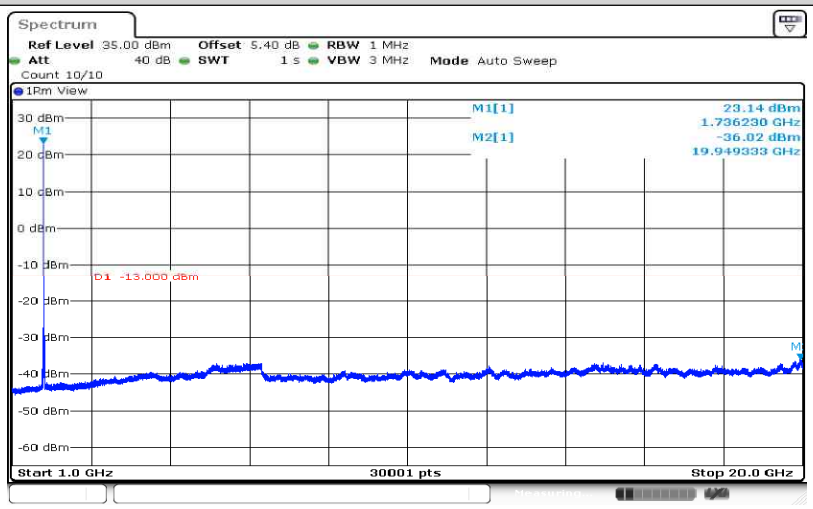
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Date: 13.JUN.2020 11:27:36

Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



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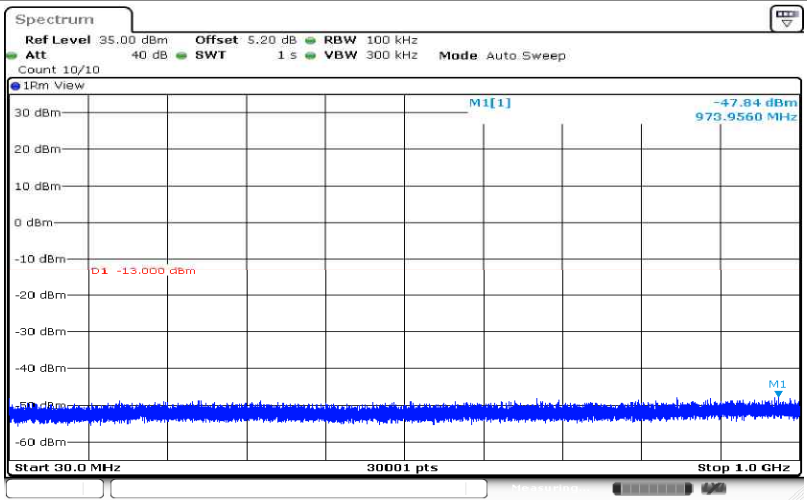
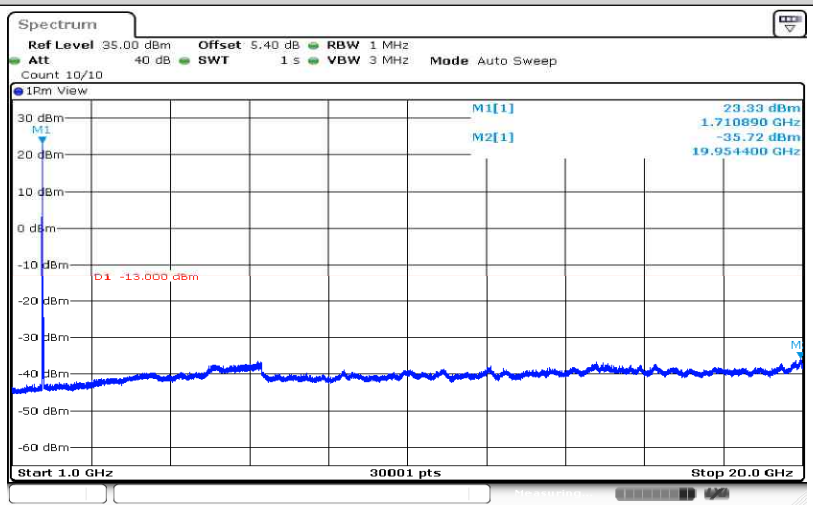
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



Date: 13.JUN.2020 11:25:52

Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



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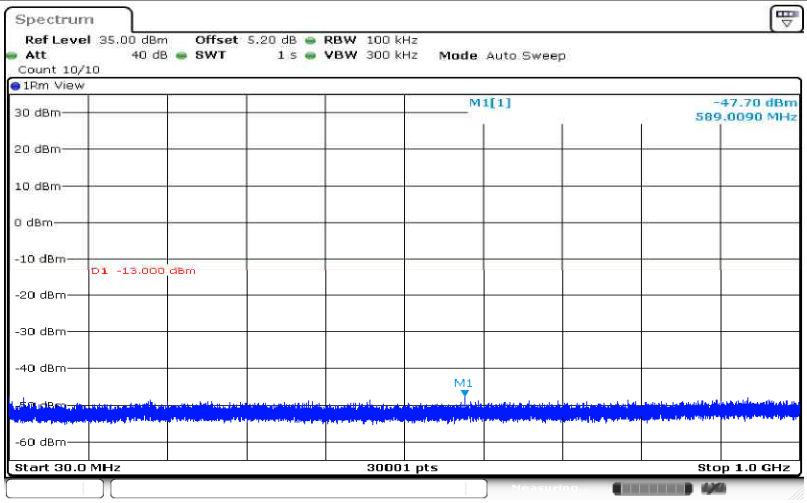
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



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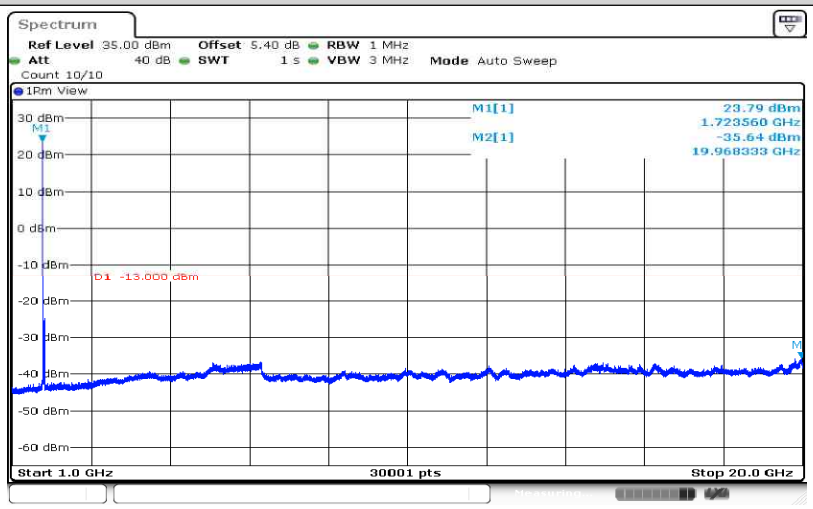
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 13.JUN.2020 11:27:17

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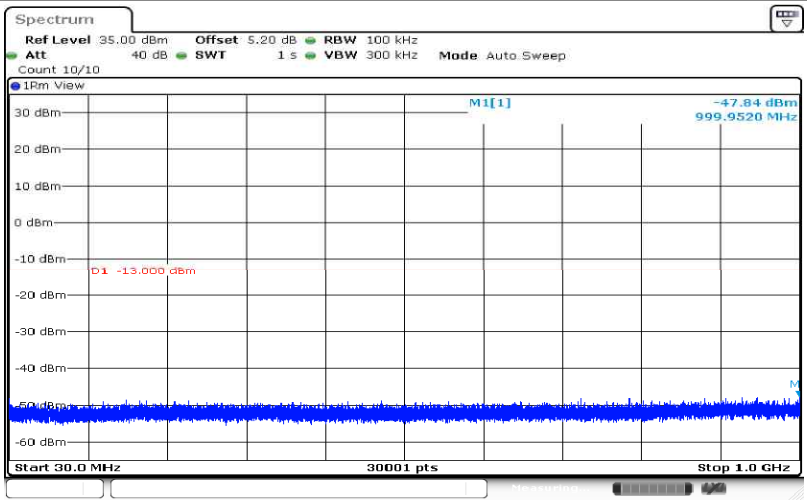
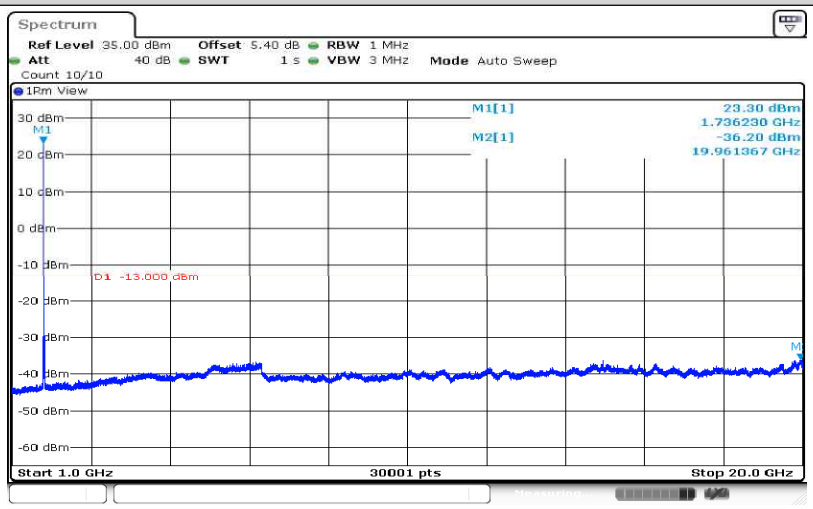
Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Date: 13.JUN.2020 11:28:11

Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 13.JUN.2020 11:28:27

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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
54.6392	-72.41	-13.00	59.41	Vertical
110.1745	-64.72	-13.00	51.72	Vertical
601.3101	-64.01	-13.00	51.01	Vertical
2701.1402	-36.73	-13.00	23.73	Vertical
3422.0141	-57.34	-13.00	44.34	Vertical
17997.9999	-40.10	-13.00	27.10	Vertical
47.2669	-64.96	-13.00	51.96	Horizontal
242.2466	-68.42	-13.00	55.42	Horizontal
591.4156	-63.31	-13.00	50.31	Horizontal
2699.9400	-35.43	-13.00	22.43	Horizontal
3422.0141	-52.91	-13.00	39.91	Horizontal
16383.4461	-44.06	-13.00	31.06	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.2483	-72.02	-13.00	59.02	Vertical
115.4613	-64.83	-13.00	51.83	Vertical
641.5186	-63.45	-13.00	50.45	Vertical
2695.9392	-36.76	-13.00	23.76	Vertical
3447.0149	-58.46	-13.00	45.46	Vertical
17999.5000	-40.30	-13.00	27.30	Vertical
44.7932	-64.18	-13.00	51.18	Horizontal
230.9455	-68.32	-13.00	55.32	Horizontal
497.7574	-67.21	-13.00	54.21	Horizontal
2702.3405	-35.53	-13.00	22.53	Horizontal
3447.0149	-52.51	-13.00	39.51	Horizontal
16394.4465	-43.56	-13.00	30.56	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.5237	-72.42	-13.00	59.42	Vertical
113.8122	-64.88	-13.00	51.88	Vertical
516.8673	-67.09	-13.00	54.09	Vertical
2699.5399	-36.60	-13.00	23.60	Vertical
3472.0157	-58.32	-13.00	45.32	Vertical
17990.4997	-40.30	-13.00	27.30	Vertical
44.5507	-64.87	-13.00	51.87	Horizontal
238.6574	-68.76	-13.00	55.76	Horizontal
548.8789	-65.63	-13.00	52.63	Horizontal
2703.5407	-35.47	-13.00	22.47	Horizontal
3472.5158	-56.36	-13.00	43.36	Horizontal
16388.4463	-43.91	-13.00	30.91	Horizontal

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-3.30	-0.001919	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-8.20	-0.004767	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-16.20	-0.009419	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-6.20	-0.003579	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	4.70	0.002713	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-4.50	-0.002597	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-11.80	-0.006762	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-12.00	-0.006877	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-7.20	-0.004126	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-3.80	-0.002209	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	6.30	0.003663	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-2.70	-0.001570	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-8.70	-0.005022	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-8.00	-0.004618	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-10.40	-0.006003	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-4.10	-0.002350	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-9.40	-0.005387	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-10.80	-0.006189	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-9.20	-0.005349	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-7.50	-0.004360	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-2.80	-0.001628	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-10.00	-0.005814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-16.00	-0.009302	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	4.50	0.002616	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-7.30	-0.004244	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-13.00	-0.007558	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-2.40	-0.001385	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-3.80	-0.002193	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-7.60	-0.004387	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	5.60	0.003232	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	7.00	0.004040	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	1.60	0.000924	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-8.40	-0.004848	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-18.70	-0.010794	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	4.40	0.002521	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	8.00	0.004585	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-9.00	-0.005158	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	0.90	0.000516	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-7.90	-0.004527	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-6.90	-0.003954	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-16.20	-0.009284	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-23.20	-0.013295	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-11.80	-0.006860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-1.10	-0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-16.70	-0.009709	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-13.60	-0.007907	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-14.70	-0.008547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-3.20	-0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-8.70	-0.005058	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-10.40	-0.006047	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-4.90	-0.002828	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-2.40	-0.001385	±2.5	PASS

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Band4	20MHz	16QAM	20175	100RB#0	NV	0	-6.90	-0.003983	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-6.90	-0.003983	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-17.90	-0.010332	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-11.80	-0.006811	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-12.40	-0.007157	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-6.00	-0.003463	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-17.40	-0.009971	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-21.60	-0.012378	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-10.80	-0.006189	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-18.90	-0.010831	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-15.50	-0.008883	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-15.90	-0.009112	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-8.70	-0.004986	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-6.90	-0.003954	±2.5	PASS

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