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 (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.95	27.96	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.07	28.08	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.00	28.01	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.16	28.17	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.11	28.12	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.98	27.99	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.15	27.16	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.01	28.02	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.00	28.01	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.88	27.89	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.06	28.07	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.01	28.02	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.09	28.10	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.10	27.11	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.08	28.09	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.26	28.27	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.04	28.05	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.32	28.33	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.22	28.23	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.25	28.26	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.27	27.28	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.12	27.13	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.21	27.22	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.31	27.32	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.89	26.90	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	23.10	27.11	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	23.00	27.01	30.00	PASS

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Band4	1.4MHz	16QAM	19957	6RB#0	22.05	26.06	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.99	27.00	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.20	27.21	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.04	27.05	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.96	26.97	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.07	27.08	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.97	26.98	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.29	26.30	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.26	27.27	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.36	27.37	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.18	27.19	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.25	27.26	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.22	27.23	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.22	27.23	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.42	26.43	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.84	27.85	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.98	27.99	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.90	27.91	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.99	27.00	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.97	26.98	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.89	26.90	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.98	26.99	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.85	27.86	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.03	28.04	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.93	27.94	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.97	26.98	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.94	26.95	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.98	26.99	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.94	26.95	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.06	28.07	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.27	28.28	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.04	28.05	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	23.07	27.08	30.00	PASS

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Band4	3MHz	QPSK	20385	8RB#7	23.15	27.16	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.22	27.23	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.96	26.97	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.02	27.03	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.94	26.95	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.94	25.95	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.03	26.04	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.01	26.02	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.83	25.84	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.30	27.31	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.44	27.45	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.02	27.03	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.97	25.98	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.05	26.06	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.91	25.92	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.99	26.00	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.13	27.14	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.41	27.42	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.37	27.38	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.20	26.21	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.19	26.20	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.27	26.28	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.24	26.25	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.90	27.91	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.93	27.94	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.84	27.85	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.96	26.97	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.04	27.05	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.95	26.96	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.03	27.04	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.83	27.84	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.03	28.04	30.00	PASS

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Band4	5MHz	QPSK	20175	12RB#6	23.02	27.03	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.08	27.09	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.86	26.87	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.06	27.07	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.86	27.87	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.02	28.03	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.12	28.13	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.17	27.18	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.23	27.24	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	23.12	27.13	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.17	27.18	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.86	26.87	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.99	27.00	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.88	26.89	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.94	25.95	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.87	25.88	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.01	26.02	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.03	26.04	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.10	27.11	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.14	27.15	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.07	27.08	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.00	26.01	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.87	25.88	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.92	25.93	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.91	25.92	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.05	27.06	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.11	27.12	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.31	27.32	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.12	26.13	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.20	26.21	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.13	26.14	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.06	26.07	30.00	PASS

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Band4	10MHz	QPSK	20000	1RB#0	23.86	27.87	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.04	28.05	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.96	27.97	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.94	26.95	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.86	26.87	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.04	27.05	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.05	27.06	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.04	28.05	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.02	28.03	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.89	27.90	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.13	27.14	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.05	27.06	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.93	26.94	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.07	27.08	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.07	28.08	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.05	28.06	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.07	28.08	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.24	27.25	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.12	27.13	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.28	27.29	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.29	27.30	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.12	27.13	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.14	27.15	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.00	27.01	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.93	25.94	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.02	26.03	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.05	26.06	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.03	26.04	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.18	27.19	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.14	27.15	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.05	27.06	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.09	26.10	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.11	26.12	30.00	PASS

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Band4	10MHz	16QAM	20175	25RB#0	21.89	25.90	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.01	26.02	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.42	27.43	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.44	27.45	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.14	27.15	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.36	26.37	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	22.16	26.17	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.18	26.19	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.14	26.15	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.90	27.91	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.92	27.93	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.88	27.89	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.93	26.94	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	23.03	27.04	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	23.09	27.10	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.92	26.93	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.83	27.84	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.89	27.90	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.88	27.89	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	23.00	27.01	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	23.09	27.10	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.90	26.91	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.07	27.08	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.00	28.01	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.06	28.07	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.98	27.99	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	23.15	27.16	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	23.21	27.22	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	23.07	27.08	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.08	27.09	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.12	27.13	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.18	27.19	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.16	27.17	30.00	PASS

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Band4	15MHz	16QAM	20025	36RB#0	21.99	26.00	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	22.02	26.03	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	22.04	26.05	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.98	25.99	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.24	27.25	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.30	27.31	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.19	27.20	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.96	25.97	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.93	25.94	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.95	25.96	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.93	25.94	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.40	27.41	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.45	27.46	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.17	27.18	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	22.22	26.23	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	22.09	26.10	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	22.08	26.09	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.14	26.15	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.89	27.90	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.94	27.95	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.75	27.76	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.86	26.87	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.02	27.03	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.08	27.09	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.87	26.88	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.93	27.94	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.99	28.00	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.84	27.85	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.97	26.98	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.08	27.09	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.81	26.82	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.04	27.05	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.99	28.00	30.00	PASS

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Band4	20MHz	QPSK	20300	1RB#49	24.11	28.12	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.86	27.87	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.39	27.40	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.33	27.34	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.97	26.98	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.23	27.24	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.29	27.30	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.33	27.34	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.95	26.96	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.78	25.79	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.95	25.96	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.92	25.93	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.90	25.91	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.01	27.02	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.15	27.16	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.00	27.01	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.07	26.08	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.93	25.94	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.82	25.83	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.00	26.01	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.05	27.06	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.02	27.03	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.05	27.06	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.24	26.25	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.15	26.16	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	22.08	26.09	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.15	26.16	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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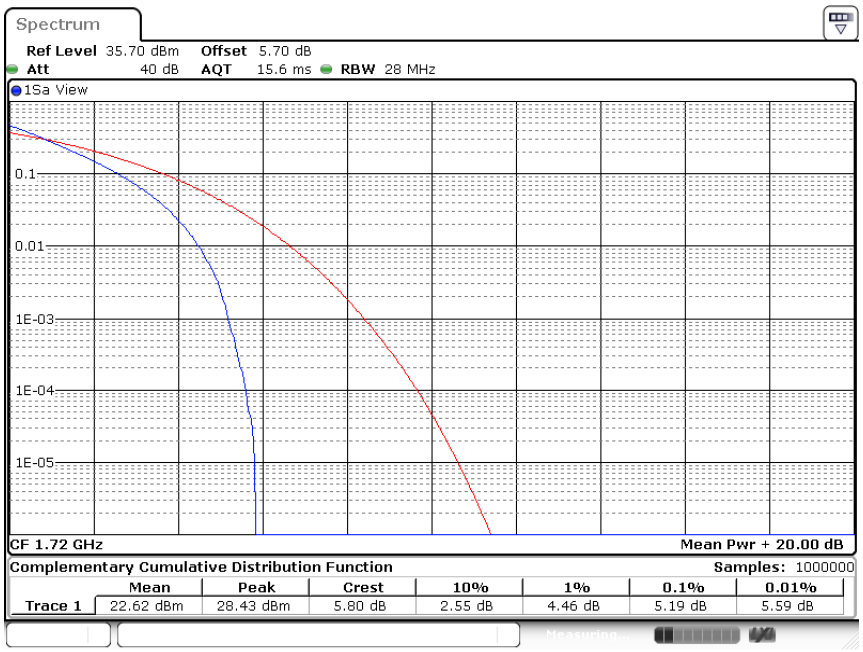
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.19	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.10	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.16	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.03	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.00	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.00	13	PASS

2.2. Test Plots

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



Date: 4.JAN.2021 22:24:31

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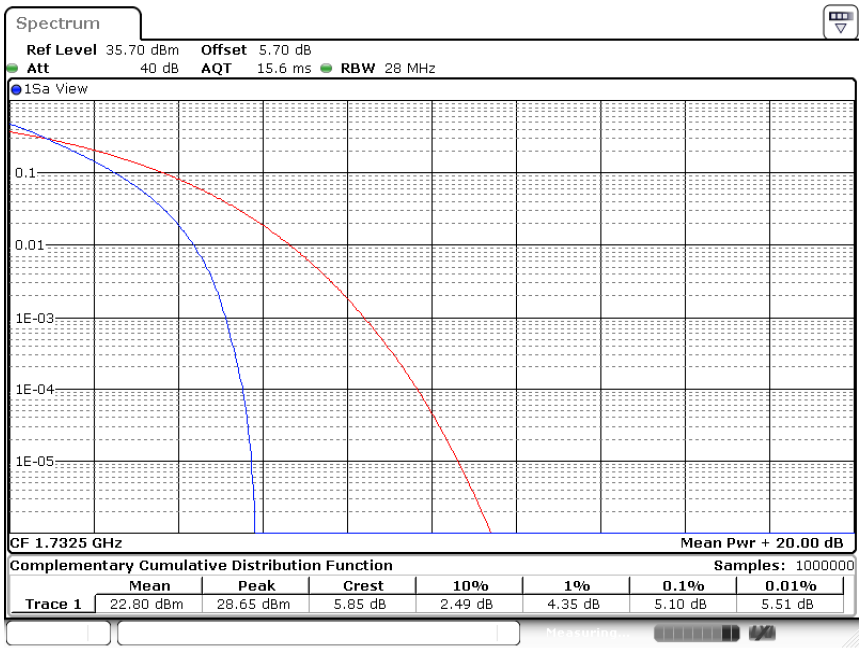
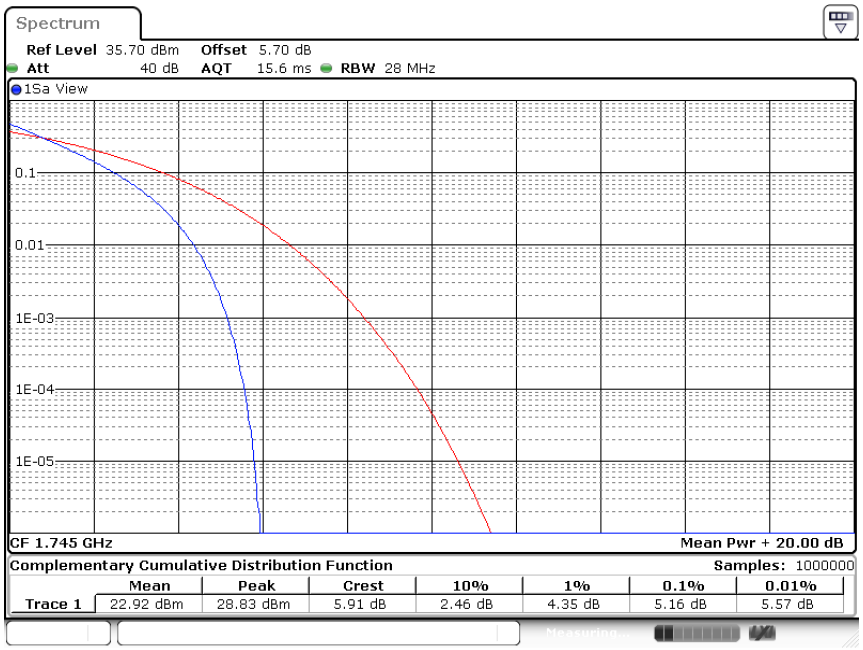
Band4-20MHz-QPSK-20175-100RB#0



Date: 4.JAN.2021 22:24:54

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



Date: 4.JAN.2021 22:25:17

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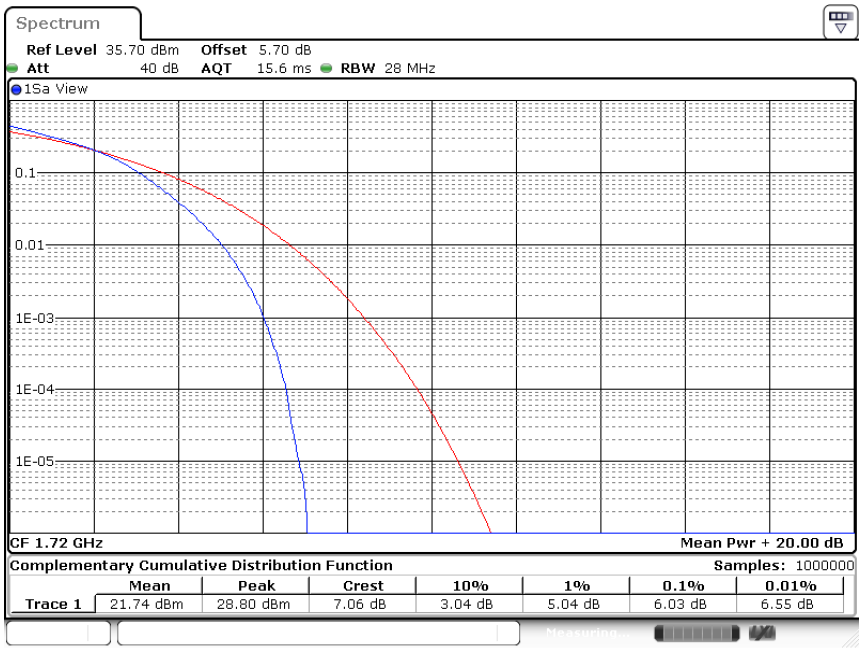
Band4-20MHz-16QAM-20050-100RB#0



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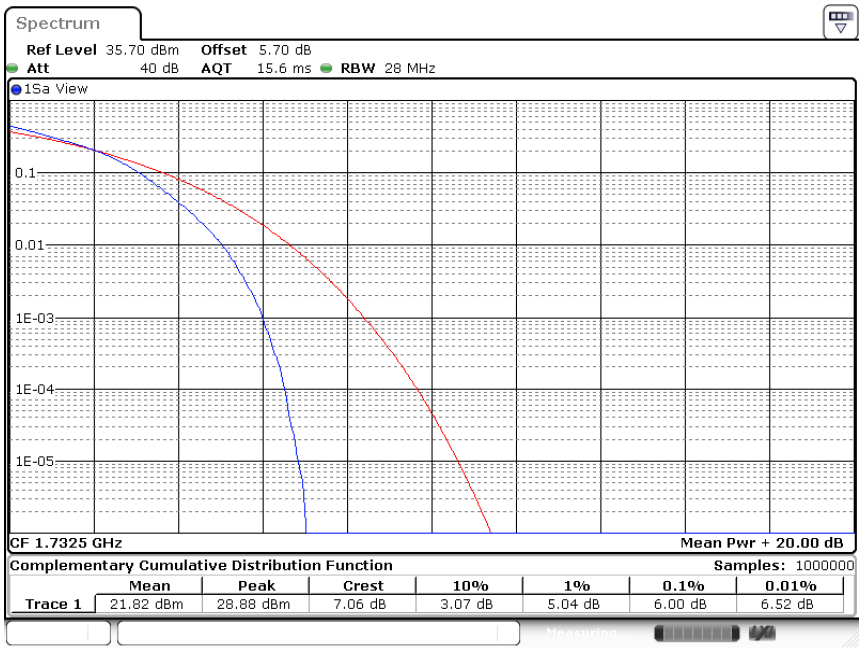
Band4-20MHz-16QAM-20175-100RB#0



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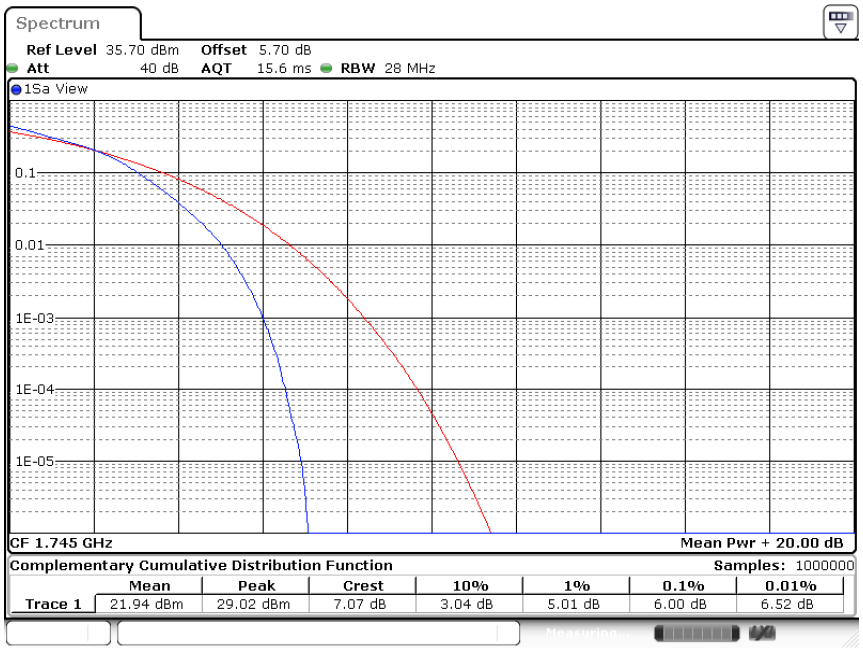
Band4-20MHz-16QAM-20300-100RB#0



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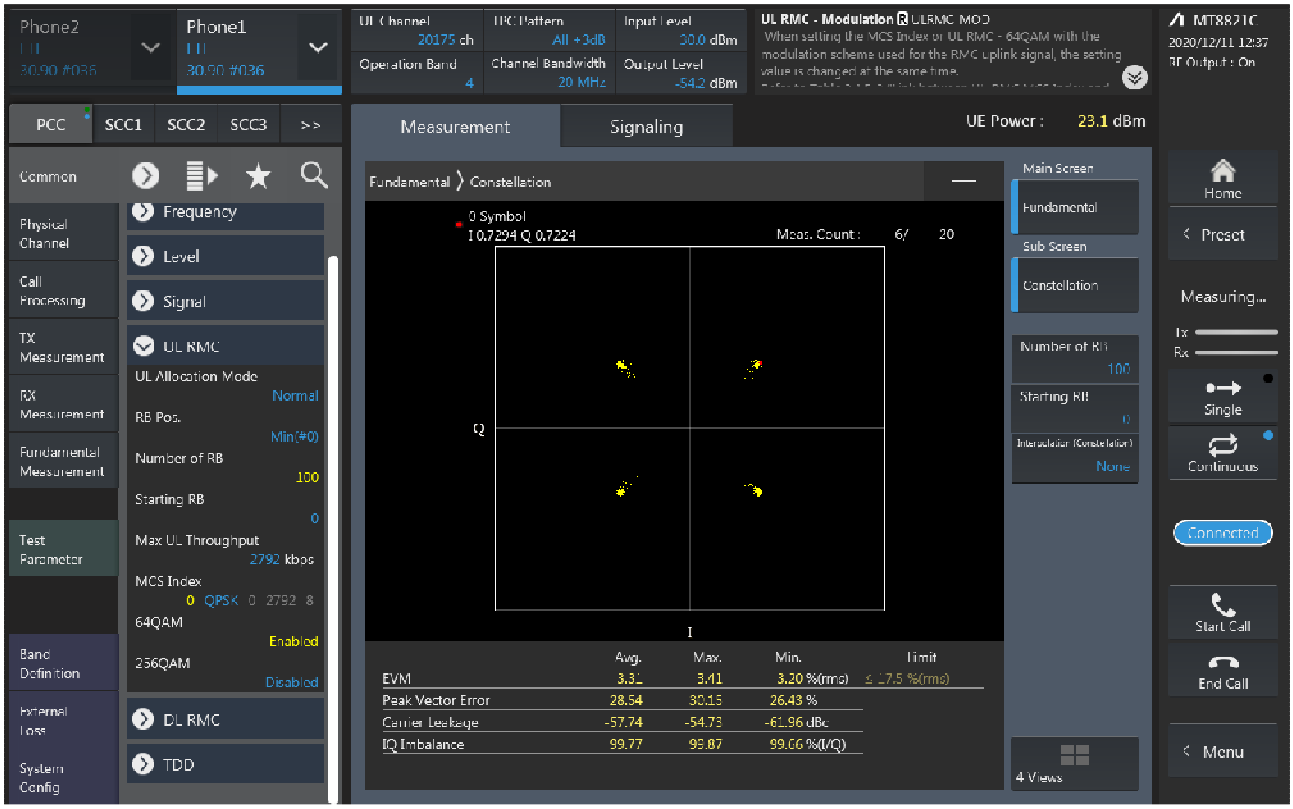
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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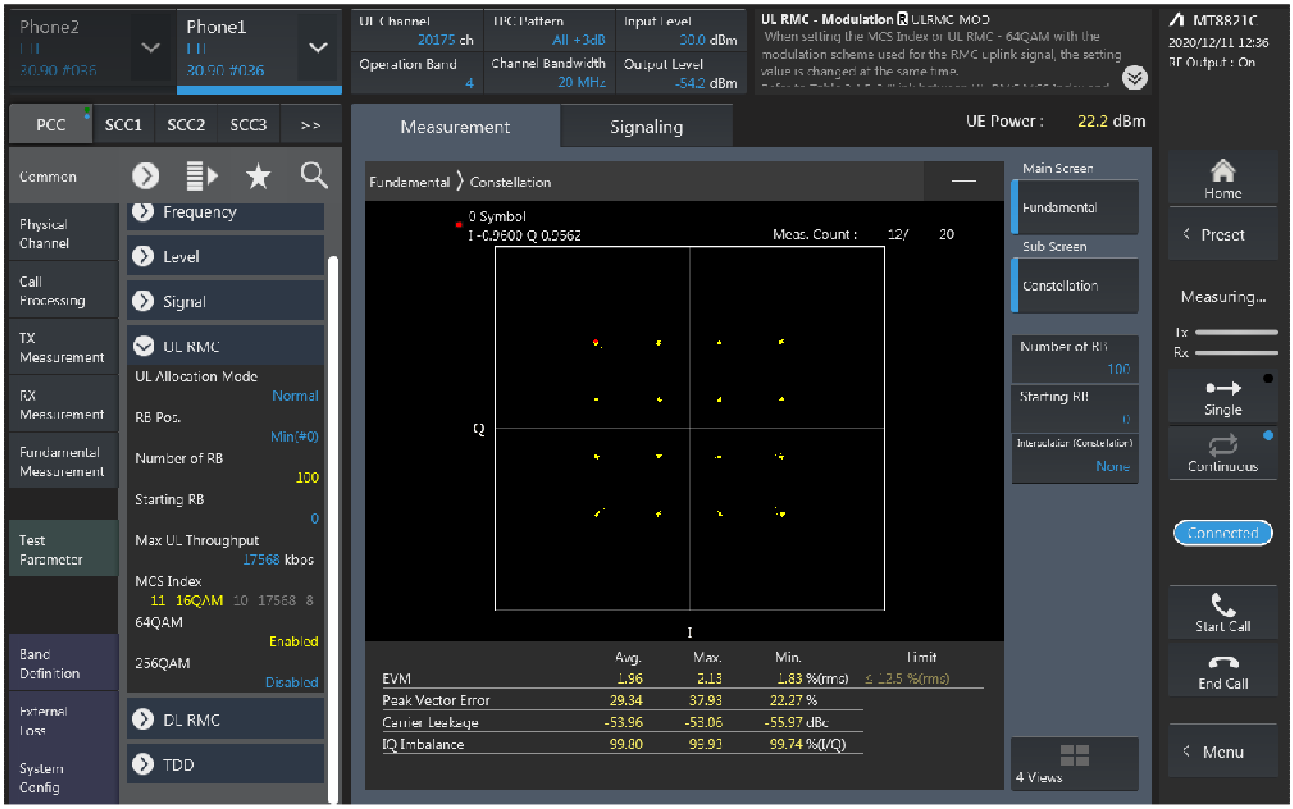
3.2. Test Mode = LTE /TM2 20MHz

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	1.091	1.284	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.275	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.281	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.278	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.281	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.281	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.916	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.685	2.922	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.685	2.916	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.679	2.892	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.679	2.904	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.673	2.898	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.830	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.850	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.830	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.860	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	4.860	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.580	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.580	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.951	9.600	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.600	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.580	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.600	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.760	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.640	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.487	14.610	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.550	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.490	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.640	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.240	PASS

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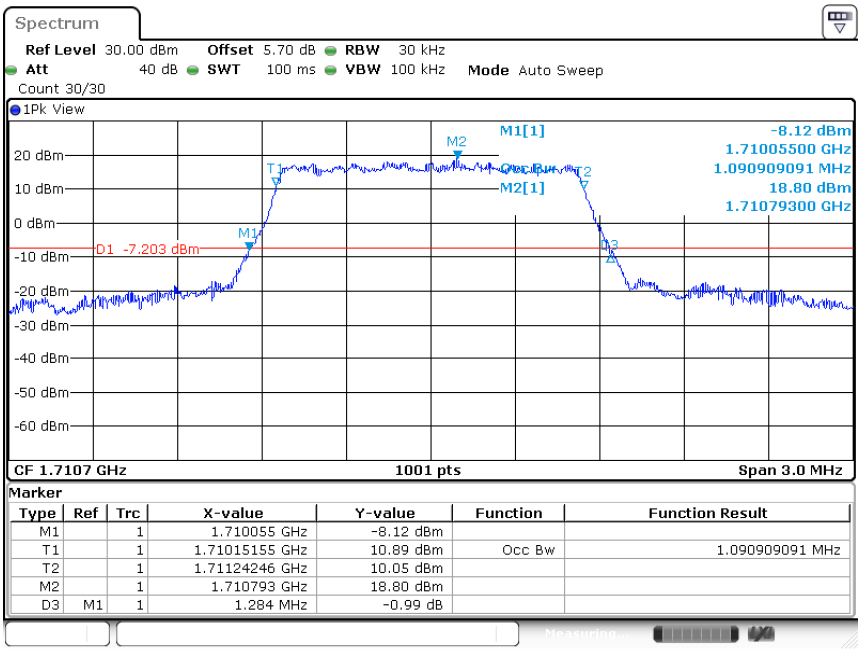
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.240	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.320	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.862	19.160	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.200	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	19.320	PASS

4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.091



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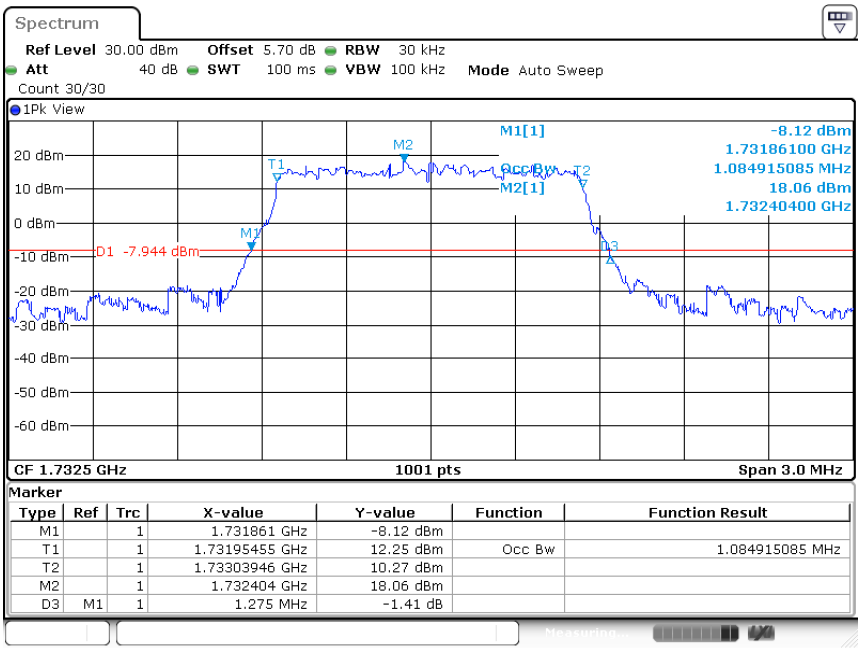
Band4-1.4MHz-QPSK-20175-6RB#0-1.085



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731861 GHz	-8.12 dBm		
T1		1	1.73195455 GHz	12.25 dBm	Occ Bw	1.084915085 MHz
T2		1	1.73303946 GHz	10.27 dBm		
M2		1	1.732404 GHz	18.06 dBm		
D3	M1	1	1.275 MHz	-1.41 dB		

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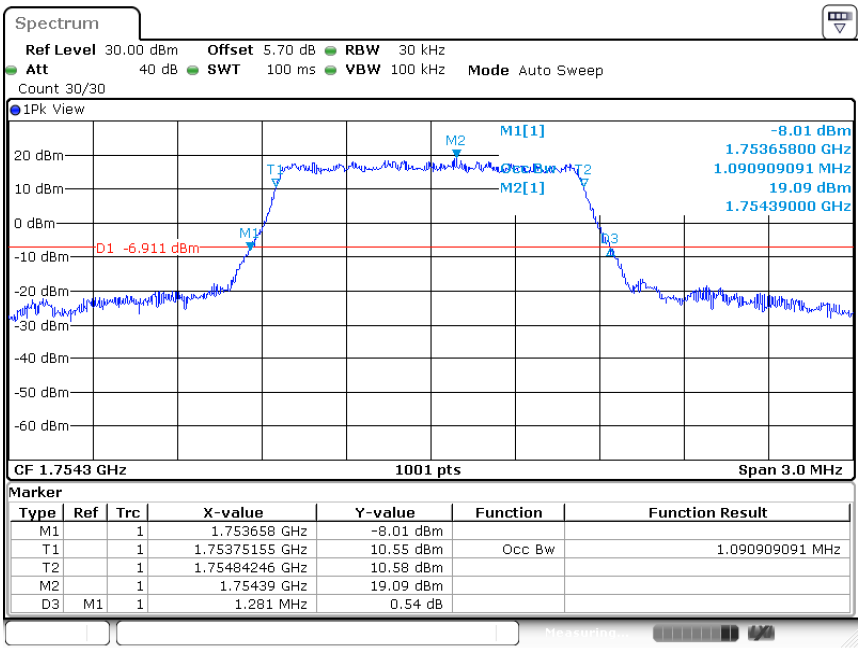
Band4-1.4MHz-QPSK-20393-6RB#0-1.091



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753658 GHz	-8.01 dBm		
T1		1	1.75375155 GHz	10.55 dBm	Occ Bw	1.090909091 MHz
T2		1	1.75484246 GHz	10.58 dBm		
M2		1	1.75439 GHz	19.09 dBm		
D3	M1	1	1.281 MHz	0.54 dB		

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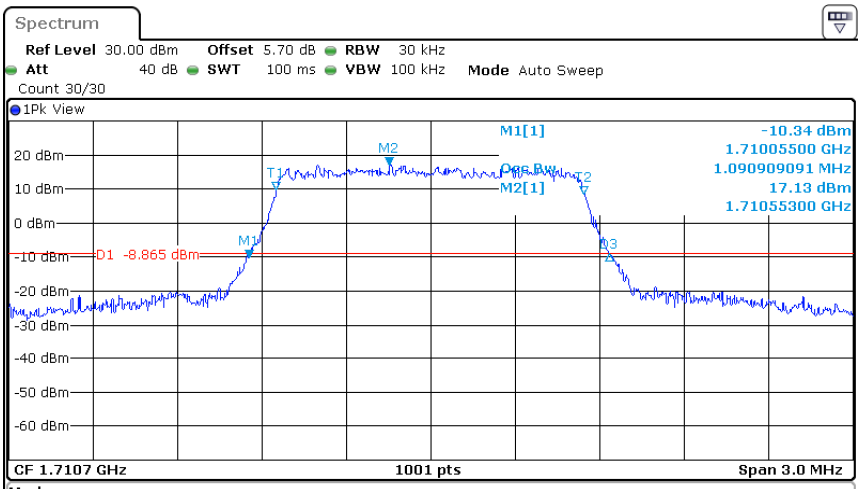
Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710055 GHz	-10.34 dBm		
T1		1	1.71015155 GHz	9.71 dBm	Occ Bw	1.090909091 MHz
T2		1	1.71124246 GHz	8.63 dBm		
M2		1	1.710553 GHz	17.13 dBm		
D3	M1	1	1.278 MHz	1.40 dB		

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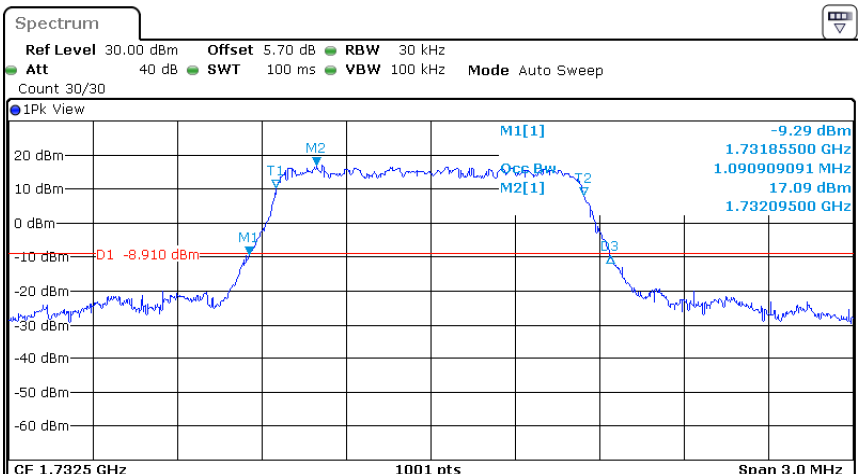
Band4-1.4MHz-16QAM-20175-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731855 GHz	-9.29 dBm		
T1		1	1.73195155 GHz	10.47 dBm	Occ Bw	1.090909091 MHz
T2		1	1.73304246 GHz	8.23 dBm		
M2		1	1.732095 GHz	17.09 dBm		
D3	M1	1	1.281 MHz	-0.24 dB		

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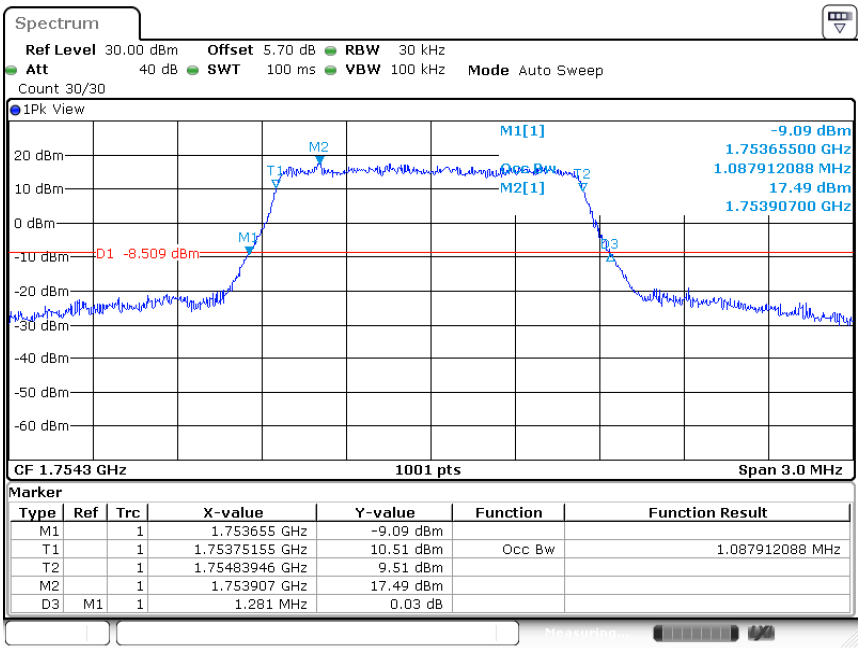

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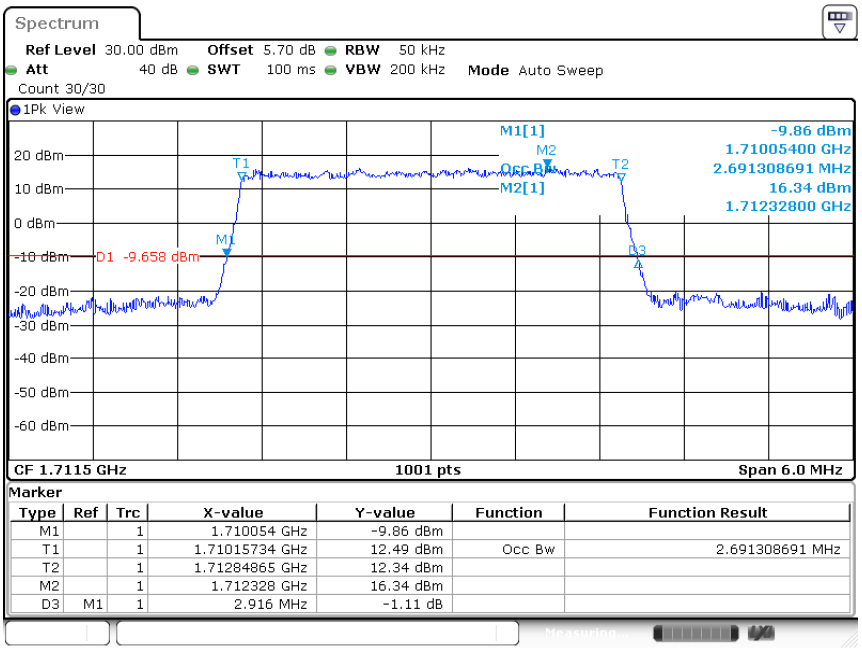

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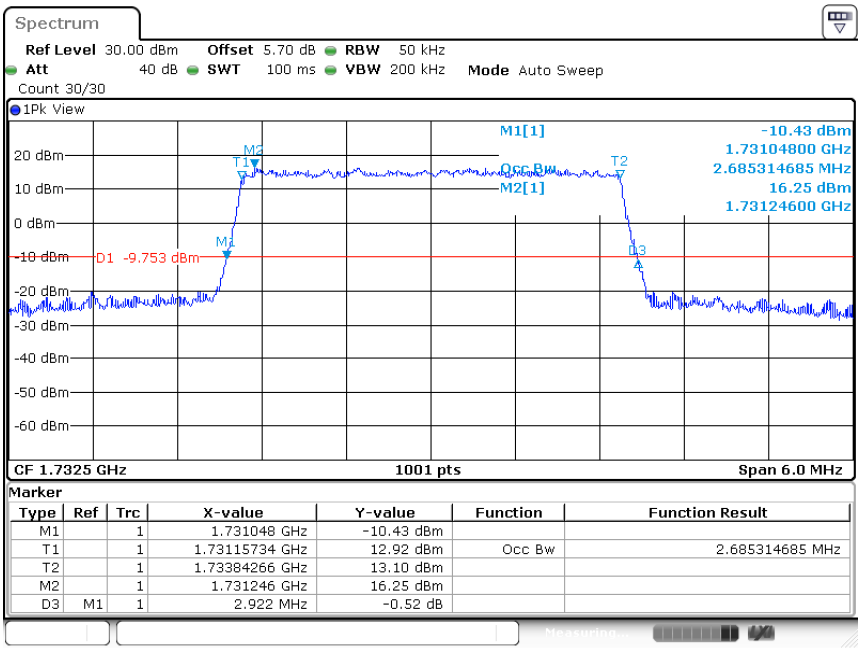

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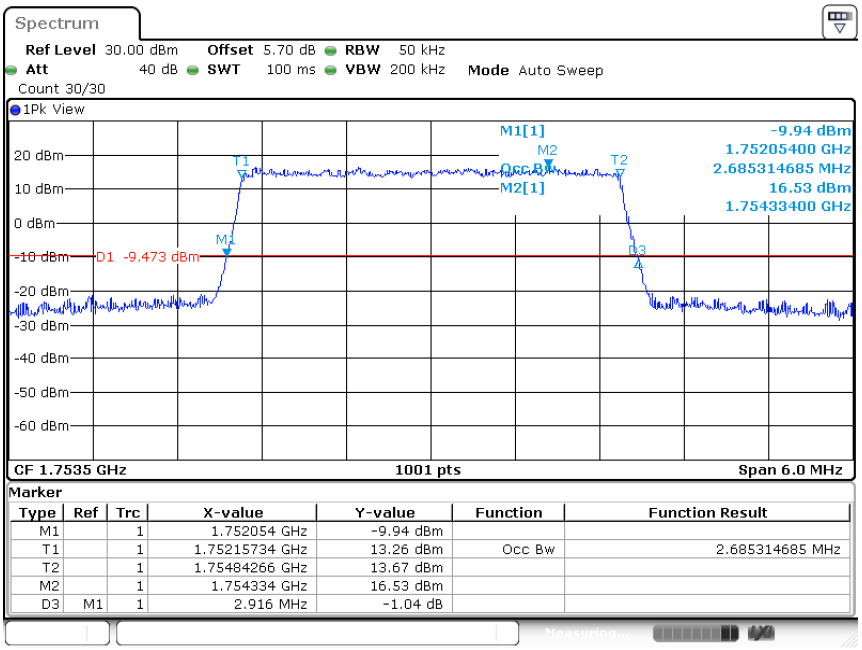

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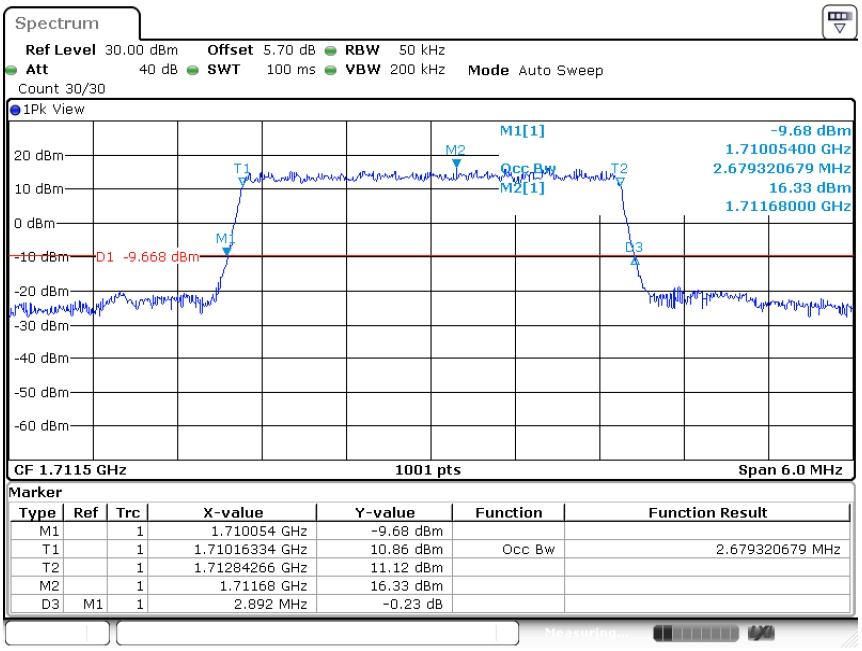
Band4-3MHz-16QAM-19965-15RB#0-2.679

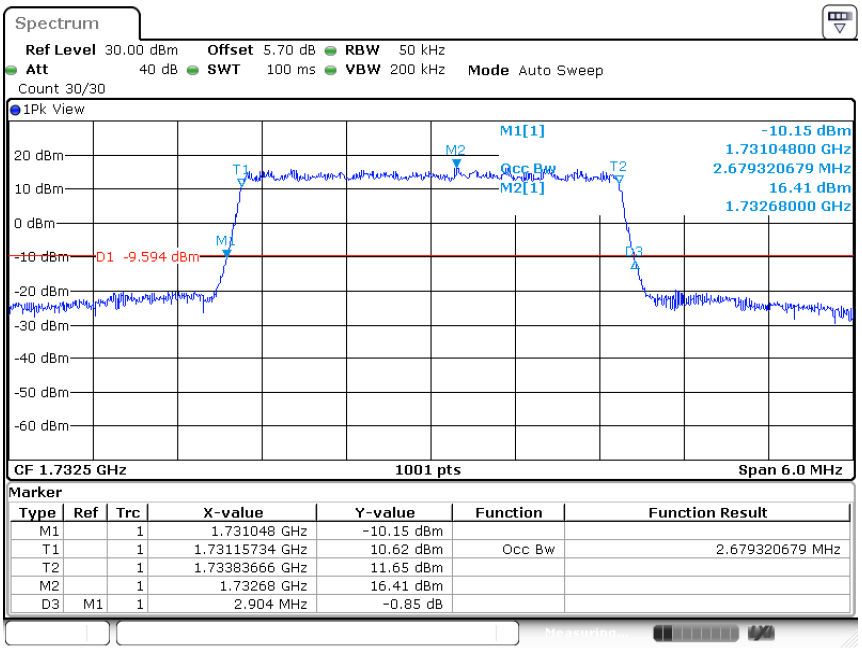


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710054 GHz	-9.68 dBm		
T1		1	1.71016334 GHz	10.86 dBm	Occ Bw	2.679320679 MHz
T2		1	1.71284266 GHz	11.12 dBm		
M2		1	1.71168 GHz	16.33 dBm		
D3	M1	1	2.892 MHz	-0.23 dB		

Date: 4.JAN.2021 21:56:11

Band4-3MHz-16QAM-20175-15RB#0-2.679



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731048 GHz	-10.15 dBm		
T1		1	1.73115734 GHz	10.62 dBm	Occ Bw	2.679320679 MHz
T2		1	1.73383666 GHz	11.65 dBm		
M2		1	1.73268 GHz	16.41 dBm		
D3	M1	1	2.904 MHz	-0.85 dB		

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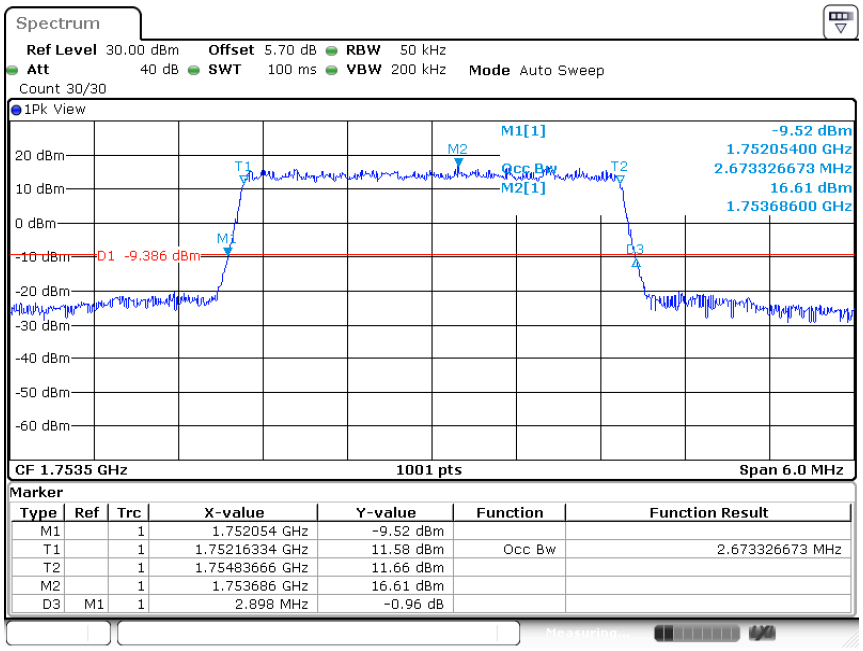
Band4-3MHz-16QAM-20385-15RB#0-2.673



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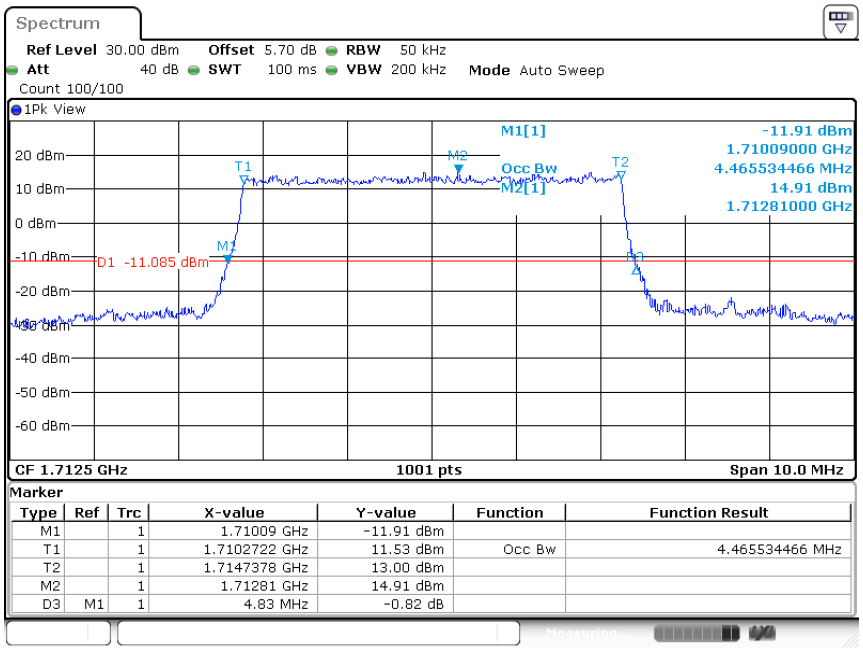
Band4-5MHz-QPSK-19975-25RB#0-4.466



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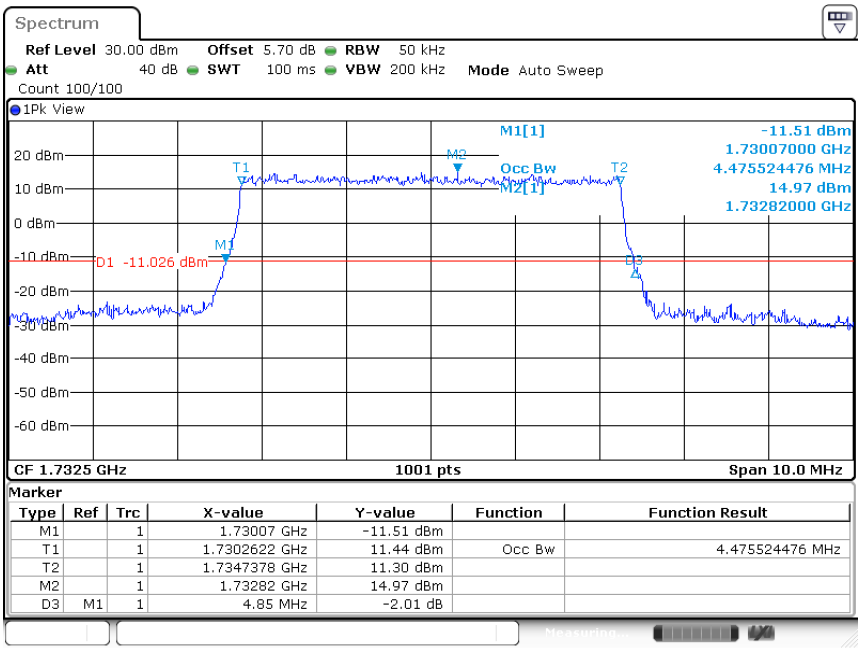
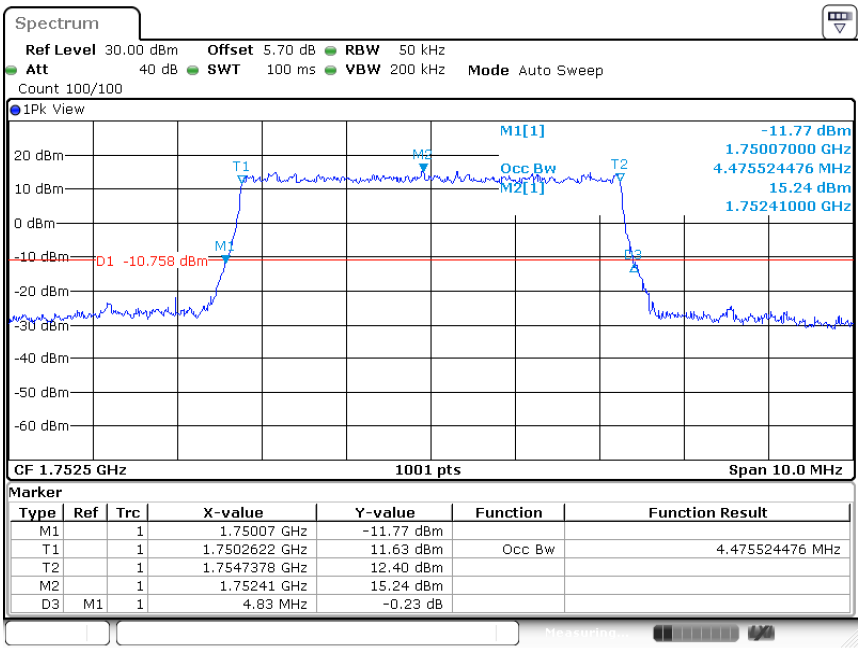
Band4-5MHz-QPSK-20175-25RB#0-4.476



Date: 4.JAN.2021 21:58:08

Band4-5MHz-QPSK-20375-25RB#0-4.476



Date: 4.JAN.2021 21:58:47

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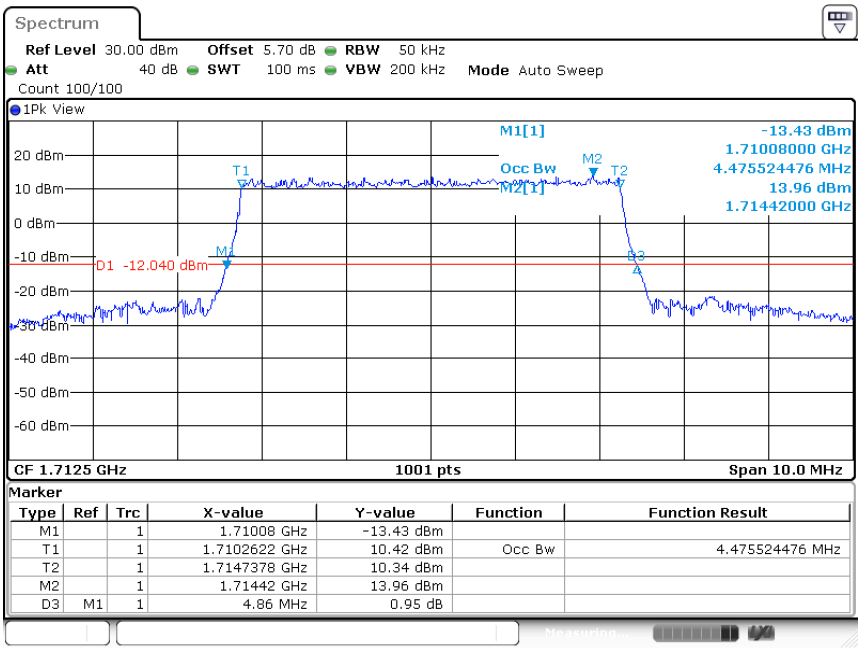
Band4-5MHz-16QAM-19975-25RB#0-4.476

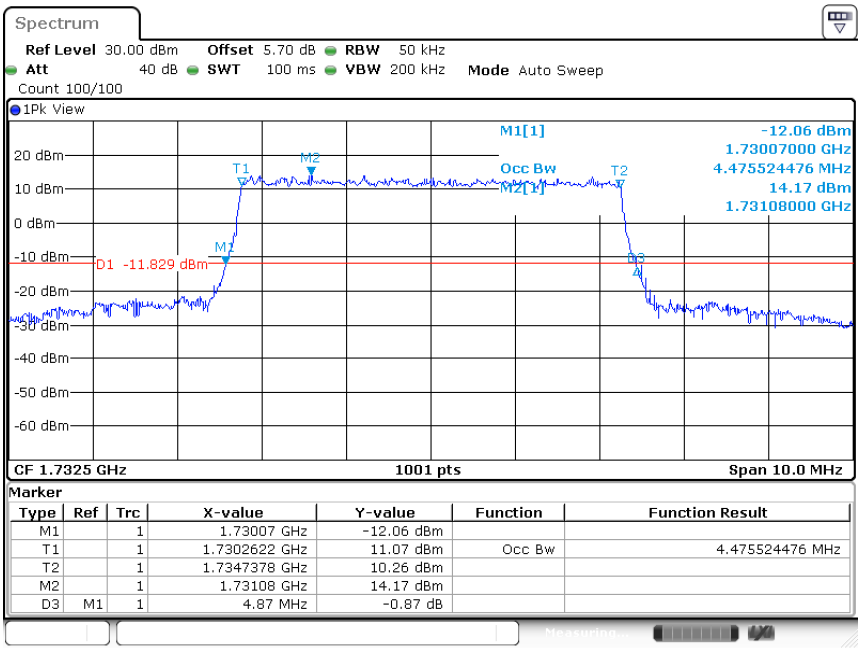


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71008 GHz	-13.43 dBm		
T1		1	1.7102622 GHz	10.42 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7147378 GHz	10.34 dBm		
M2		1	1.71442 GHz	13.96 dBm		
D3	M1	1	4.86 MHz	0.95 dB		

Date: 4.JAN.2021 21:57:47

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73007 GHz	-12.06 dBm		
T1		1	1.7302622 GHz	11.07 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7347378 GHz	10.26 dBm		
M2		1	1.73108 GHz	14.17 dBm		
D3	M1	1	4.87 MHz	-0.87 dB		

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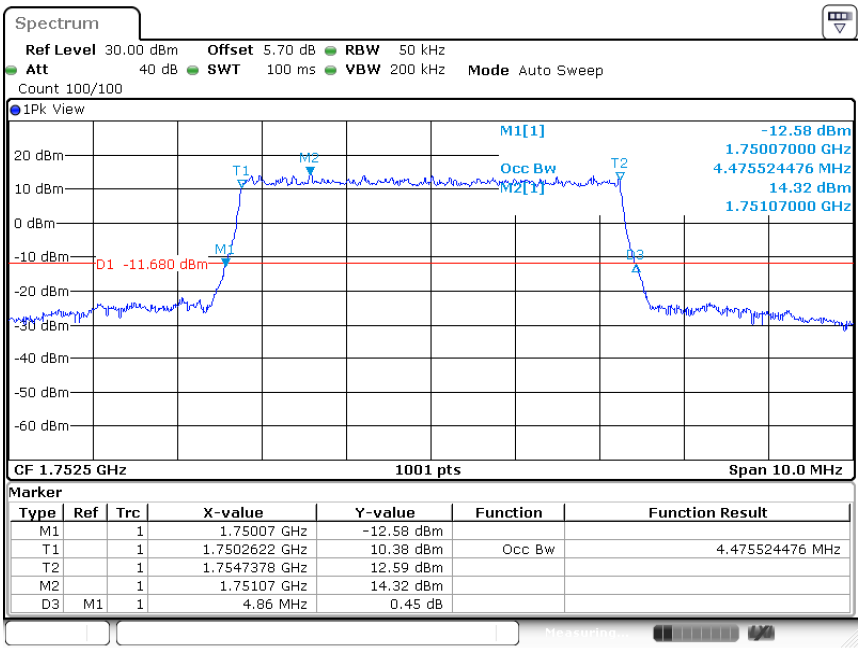
Band4-5MHz-16QAM-20375-25RB#0-4.476



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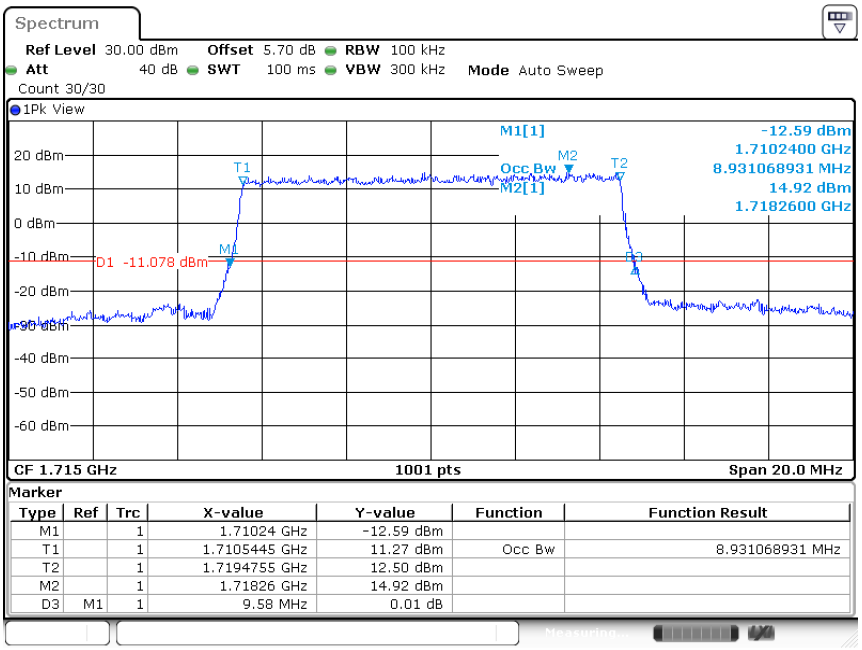
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75007 GHz	-12.58 dBm		
T1		1	1.7502622 GHz	10.38 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7547378 GHz	12.59 dBm		
M2		1	1.75107 GHz	14.32 dBm		
D3	M1	1	4.86 MHz	0.45 dB		

Date: 4.JAN.2021 21:59:07

Band4-10MHz-QPSK-20000-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71024 GHz	-12.59 dBm		
T1		1	1.7105445 GHz	11.27 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7194755 GHz	12.50 dBm		
M2		1	1.71826 GHz	14.92 dBm		
D3	M1	1	9.58 MHz	0.01 dB		

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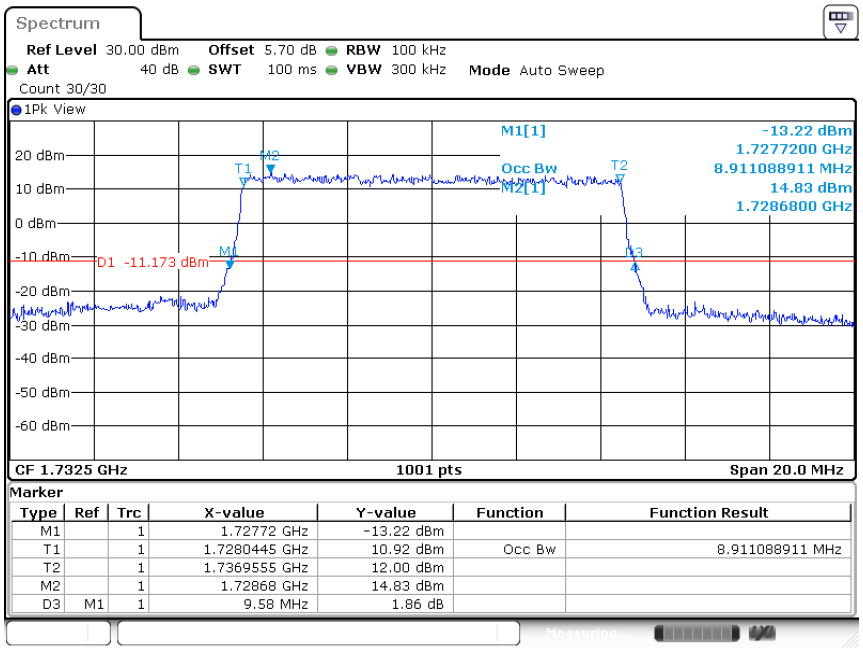
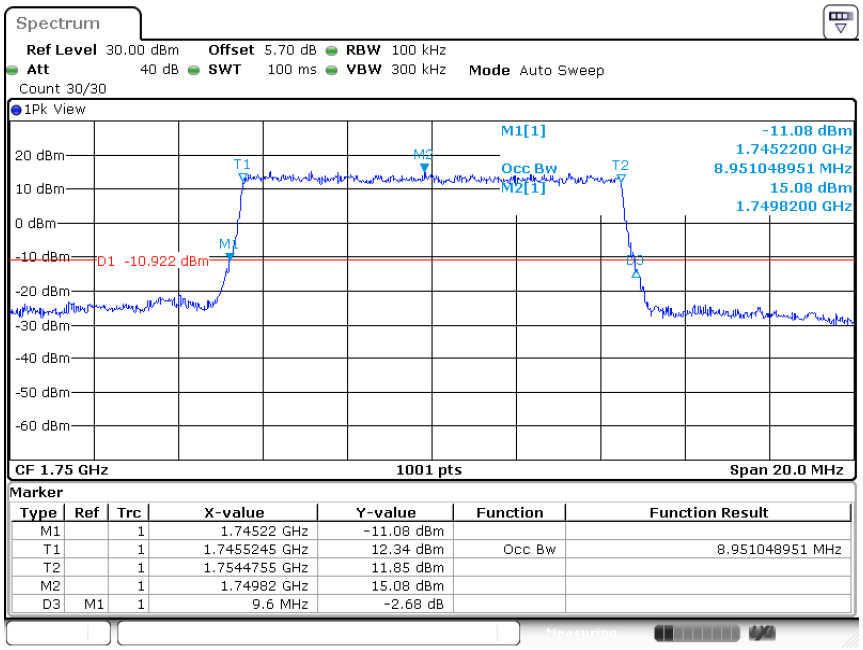
Band4-10MHz-QPSK-20175-50RB#0-8.911



Date: 4.JAN.2021 21:59:50

Band4-10MHz-QPSK-20350-50RB#0-8.951



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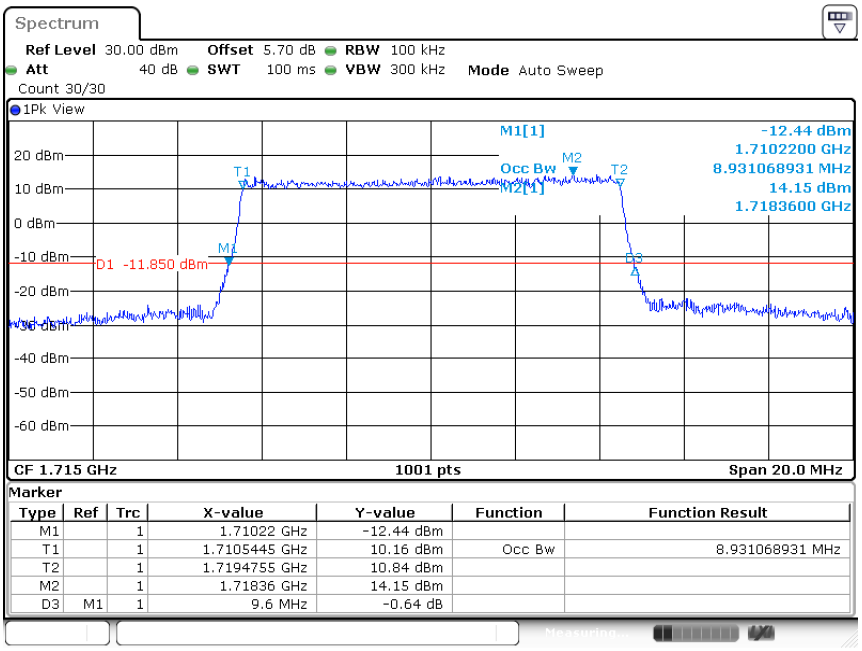
Band4-10MHz-16QAM-20000-50RB#0-8.931

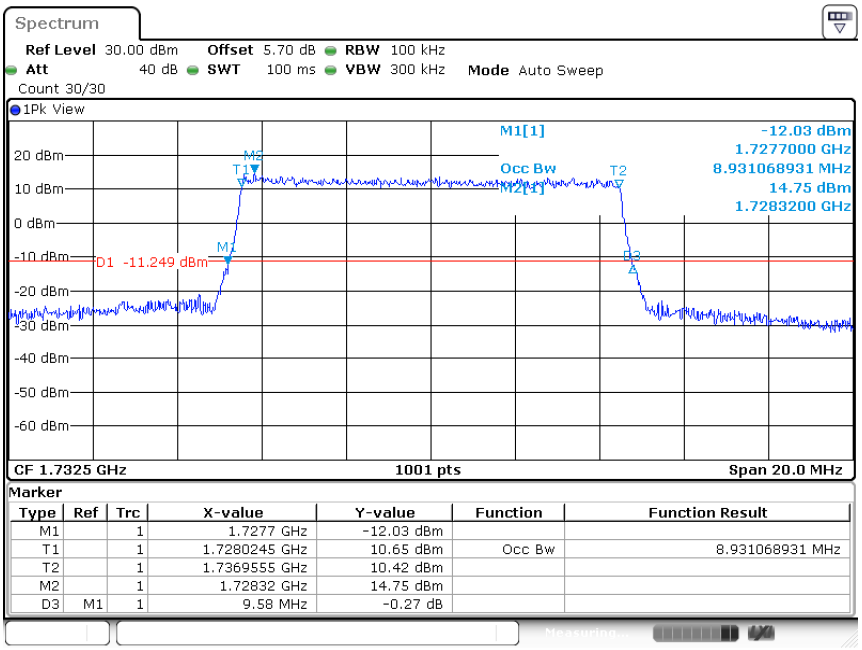


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71022 GHz	-12.44 dBm		
T1		1	1.7105445 GHz	10.16 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7194755 GHz	10.84 dBm		
M2		1	1.71836 GHz	14.15 dBm		
D3	M1	1	9.6 MHz	-0.64 dB		

Date: 4.JAN.2021 21:59:37

Band4-10MHz-16QAM-20175-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7277 GHz	-12.03 dBm		
T1		1	1.7280245 GHz	10.65 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7369555 GHz	10.42 dBm		
M2		1	1.72832 GHz	14.75 dBm		
D3	M1	1	9.58 MHz	-0.27 dB		

Date: 4.JAN.2021 22:00:03

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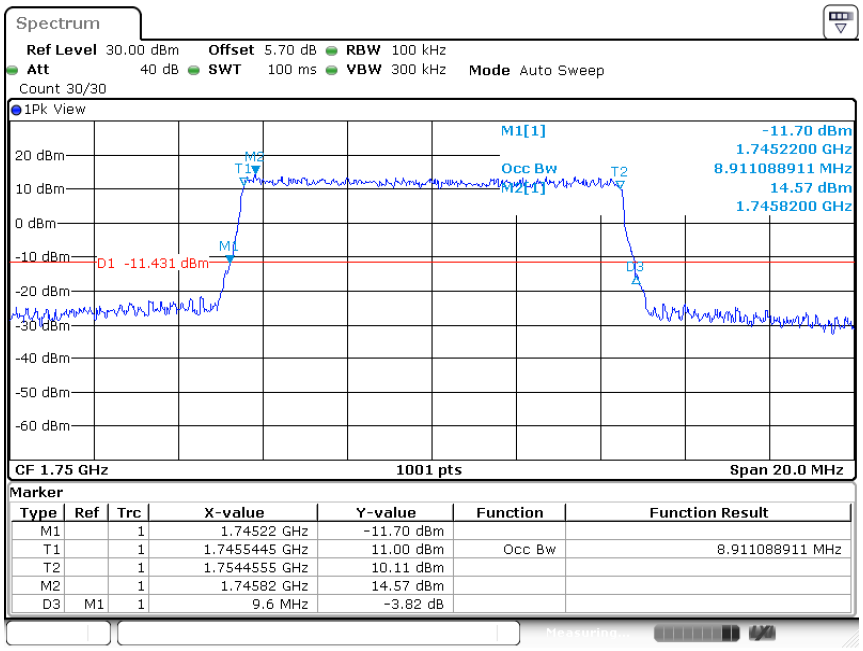
Band4-10MHz-16QAM-20350-50RB#0-8.911



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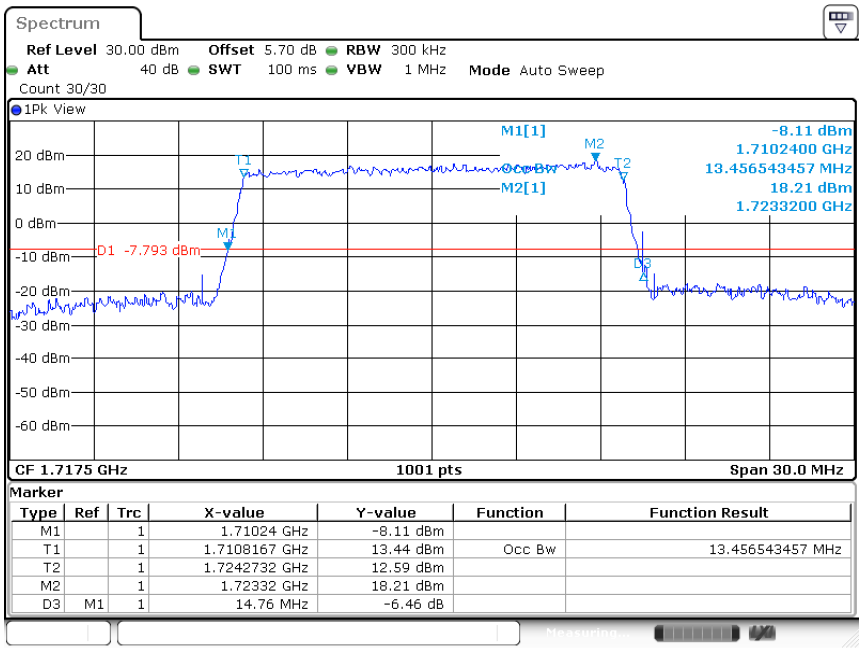
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74522 GHz	-11.70 dBm		
T1		1	1.7455445 GHz	11.00 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7544555 GHz	10.11 dBm		
M2		1	1.74582 GHz	14.57 dBm		
D3	M1	1	9.6 MHz	-3.82 dB		

Date: 4.JAN.2021 22:00:30

Band4-15MHz-QPSK-20025-75RB#0-13.457



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71024 GHz	-8.11 dBm		
T1		1	1.7108167 GHz	13.44 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7242732 GHz	12.59 dBm		
M2		1	1.72332 GHz	18.21 dBm		
D3	M1	1	14.76 MHz	-6.46 dB		

Date: 4.JAN.2021 22:00:47

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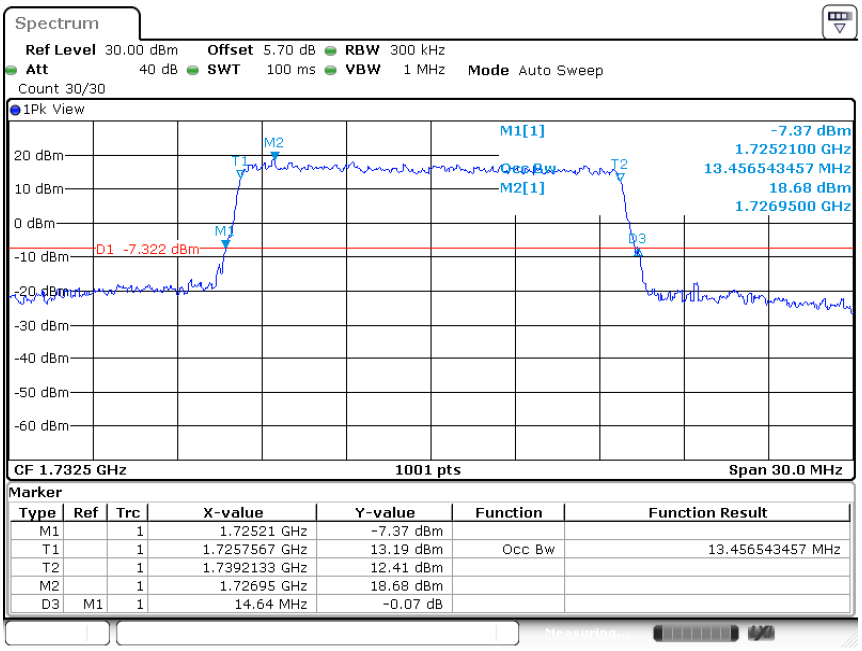
Band4-15MHz-QPSK-20175-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72521 GHz	-7.37 dBm		
T1		1	1.7257567 GHz	13.19 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392133 GHz	12.41 dBm		
M2		1	1.72695 GHz	18.68 dBm		
D3	M1	1	14.64 MHz	-0.07 dB		

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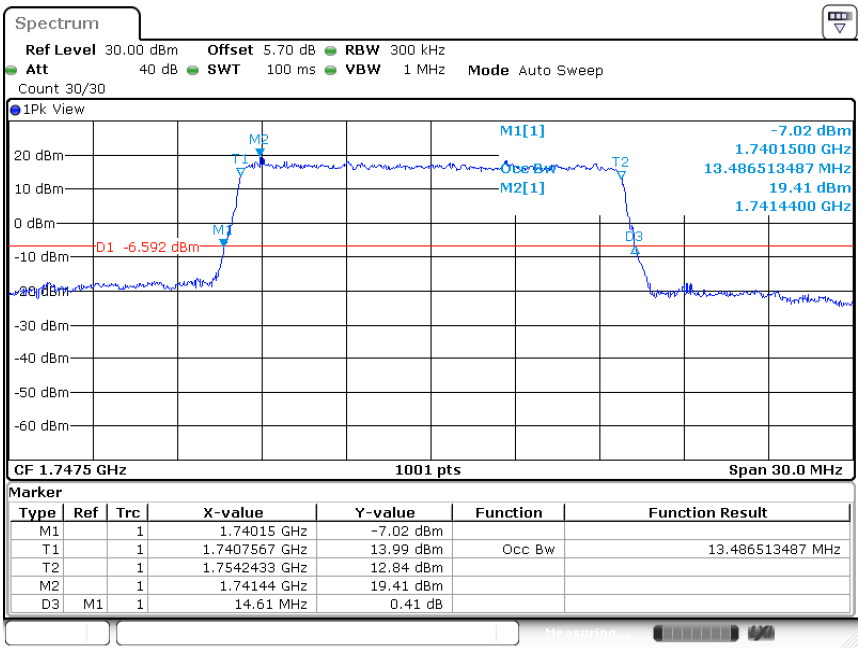
Band4-15MHz-QPSK-20325-75RB#0-13.487



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74015 GHz	-7.02 dBm		
T1		1	1.7407567 GHz	13.99 dBm	Occ Bw	13.486513487 MHz
T2		1	1.7542433 GHz	12.84 dBm		
M2		1	1.74144 GHz	19.41 dBm		
D3	M1	1	14.61 MHz	0.41 dB		

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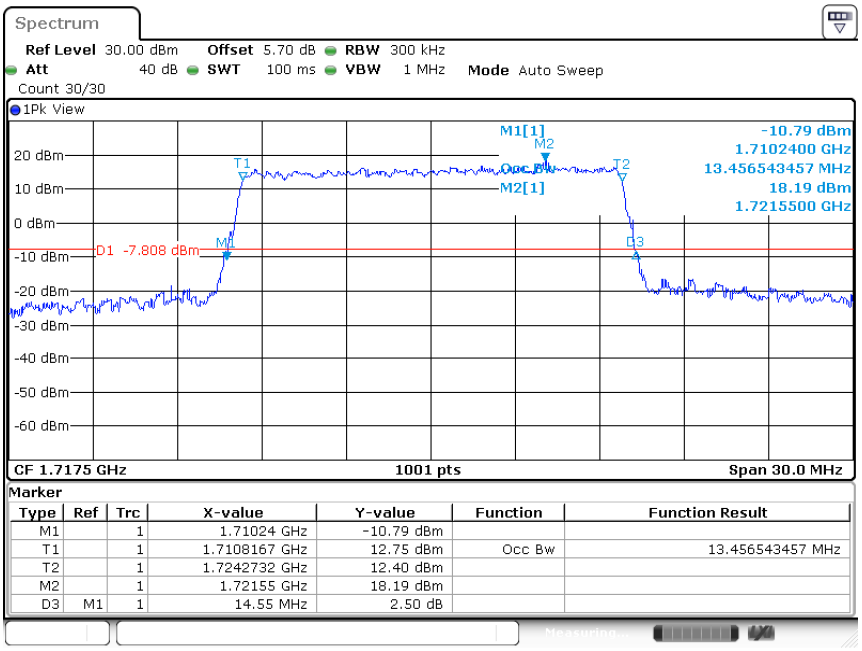
Band4-15MHz-16QAM-20025-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71024 GHz	-10.79 dBm		
T1		1	1.7108167 GHz	12.75 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7242732 GHz	12.40 dBm		
M2		1	1.72155 GHz	18.19 dBm		
D3	M1	1	14.55 MHz	2.50 dB		

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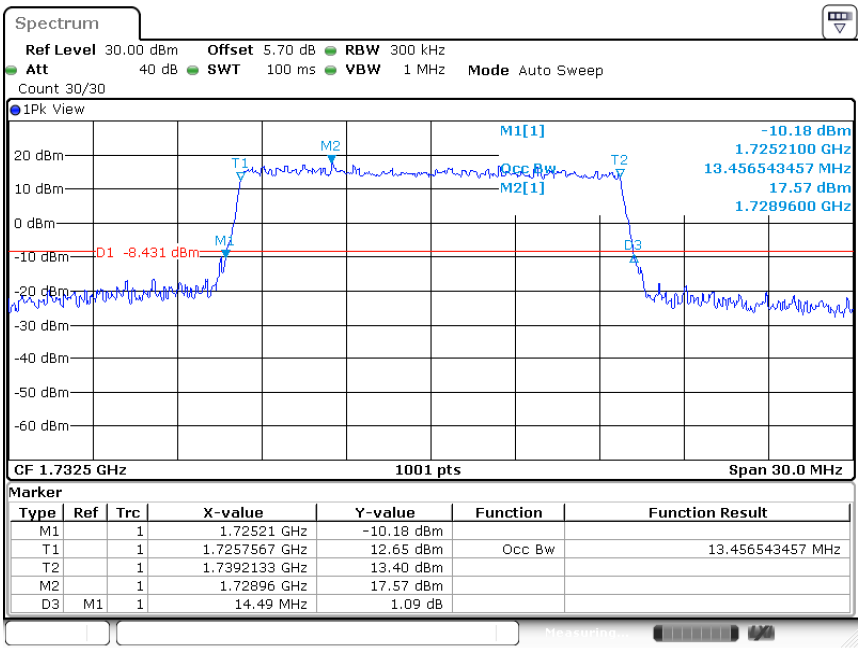
Band4-15MHz-16QAM-20175-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72521 GHz	-10.18 dBm		
T1		1	1.7257567 GHz	12.65 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392133 GHz	13.40 dBm		
M2		1	1.72896 GHz	17.57 dBm		
D3	M1	1	14.49 MHz	1.09 dB		

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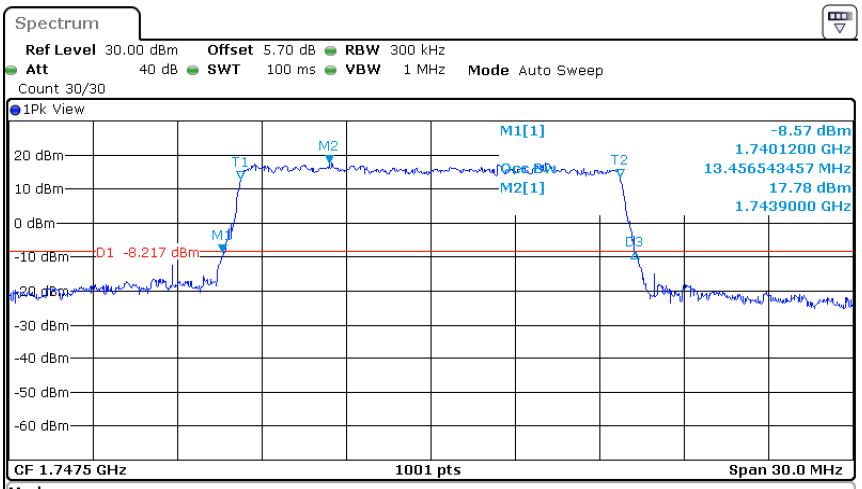

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74012 GHz	-8.57 dBm		
T1		1	1.7407567 GHz	12.98 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542133 GHz	13.63 dBm		
M2		1	1.7439 GHz	17.78 dBm		
D3	M1	1	14.64 MHz	0.26 dB		

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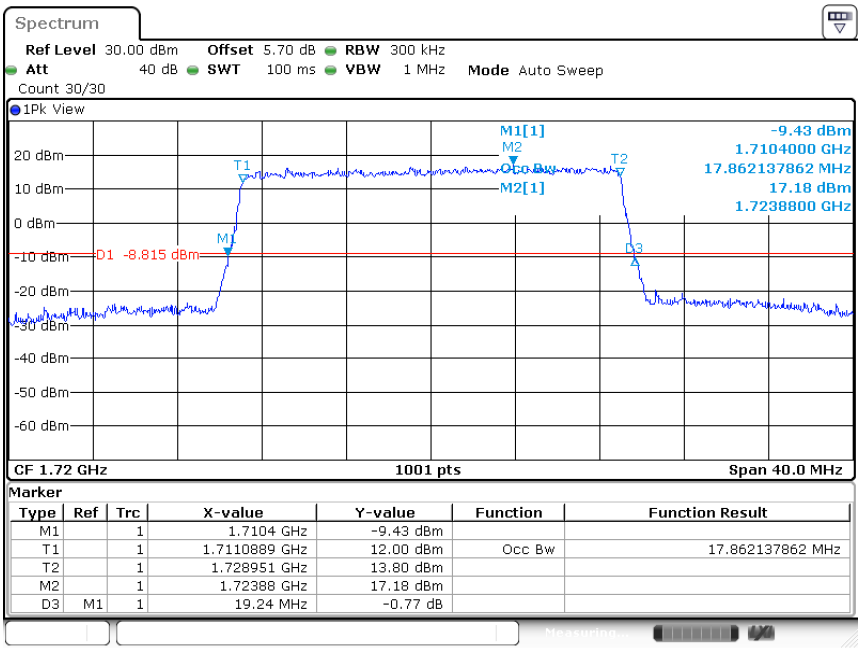
Band4-20MHz-QPSK-20050-100RB#0-17.862



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7104 GHz	-9.43 dBm		
T1		1	1.7110889 GHz	12.00 dBm	Occ Bw	17.862137862 MHz
T2		1	1.728951 GHz	13.80 dBm		
M2		1	1.72388 GHz	17.18 dBm		
D3	M1	1	19.24 MHz	-0.77 dB		

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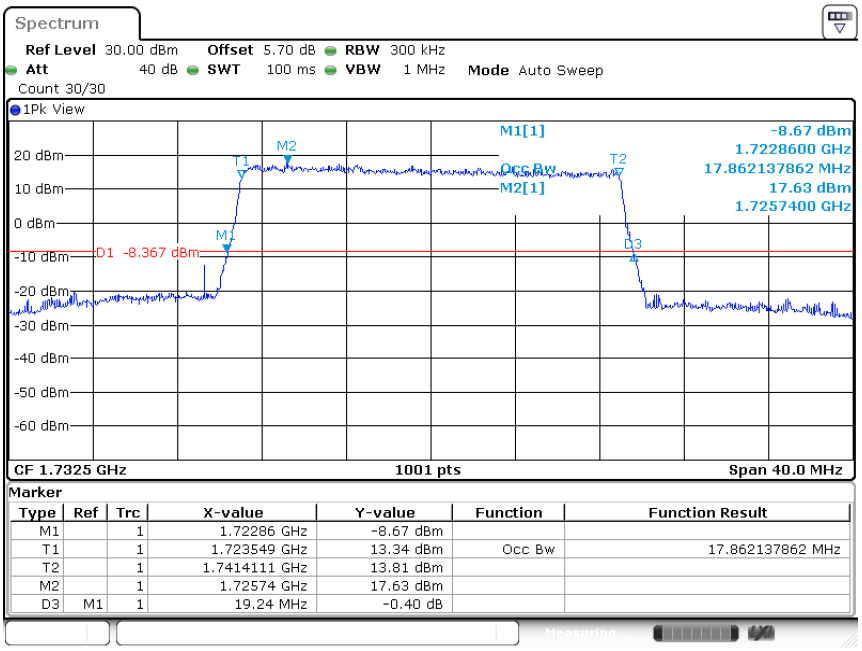

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72286 GHz	-8.67 dBm		
T1		1	1.723549 GHz	13.34 dBm	Occ Bw	17.862137862 MHz
T2		1	1.7414111 GHz	13.81 dBm		
M2		1	1.72574 GHz	17.63 dBm		
D3	M1	1	19.24 MHz	-0.40 dB		

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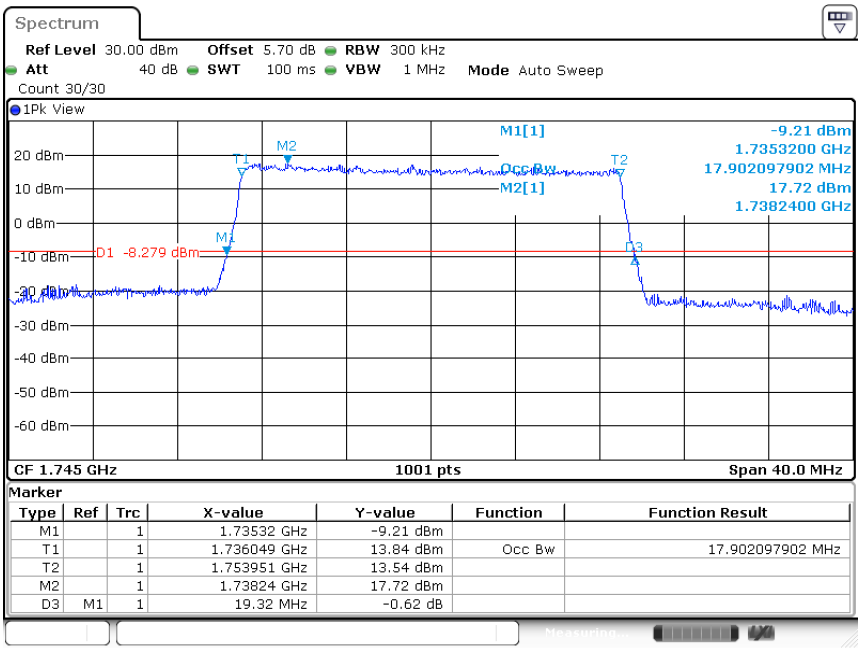
Band4-20MHz-QPSK-20300-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73532 GHz	-9.21 dBm		
T1		1	1.736049 GHz	13.84 dBm	Occ Bw	17.902097902 MHz
T2		1	1.753951 GHz	13.54 dBm		
M2		1	1.73824 GHz	17.72 dBm		
D3	M1	1	19.32 MHz	-0.62 dB		

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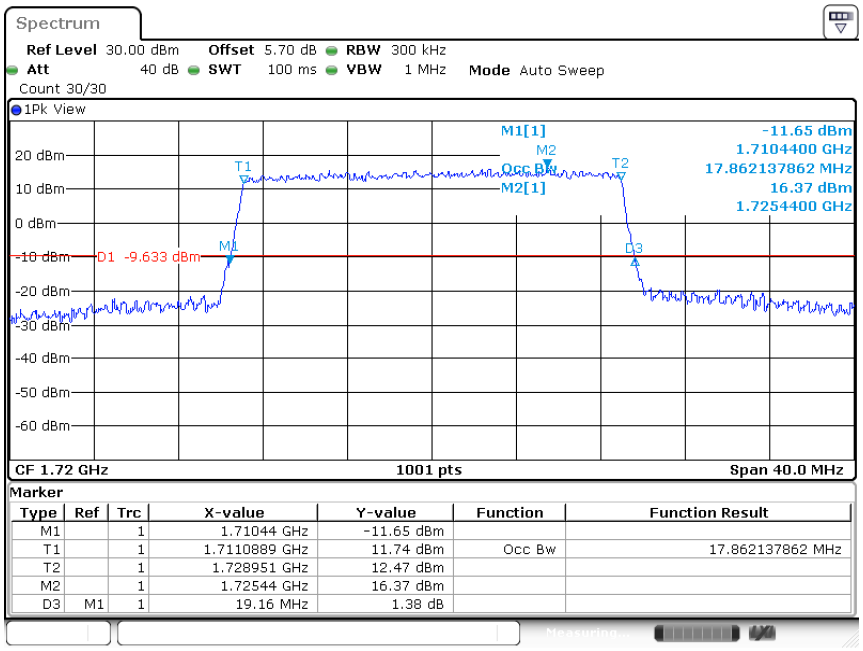

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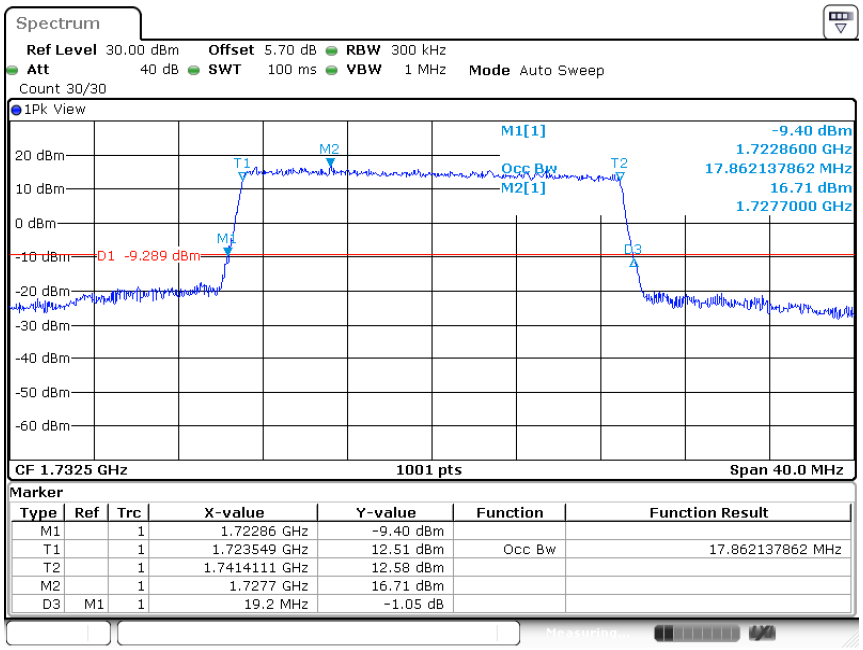
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71044 GHz	-11.65 dBm		
T1		1	1.7110889 GHz	11.74 dBm	Occ Bw	17.862137862 MHz
T2		1	1.728951 GHz	12.47 dBm		
M2		1	1.72544 GHz	16.37 dBm		
D3	M1	1	19.16 MHz	1.38 dB		

Date: 4.JAN.2021 22:02:23

Band4-20MHz-16QAM-20175-100RB#0-17.862



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72286 GHz	-9.40 dBm		
T1		1	1.723549 GHz	12.51 dBm	Occ Bw	17.862137862 MHz
T2		1	1.7414111 GHz	12.58 dBm		
M2		1	1.7277 GHz	16.71 dBm		
D3	M1	1	19.2 MHz	-1.05 dB		

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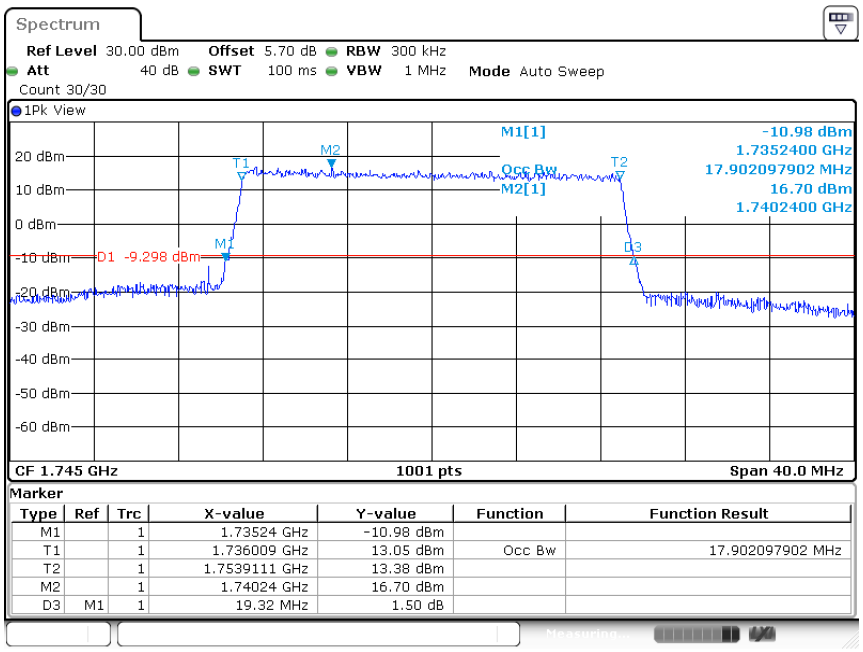

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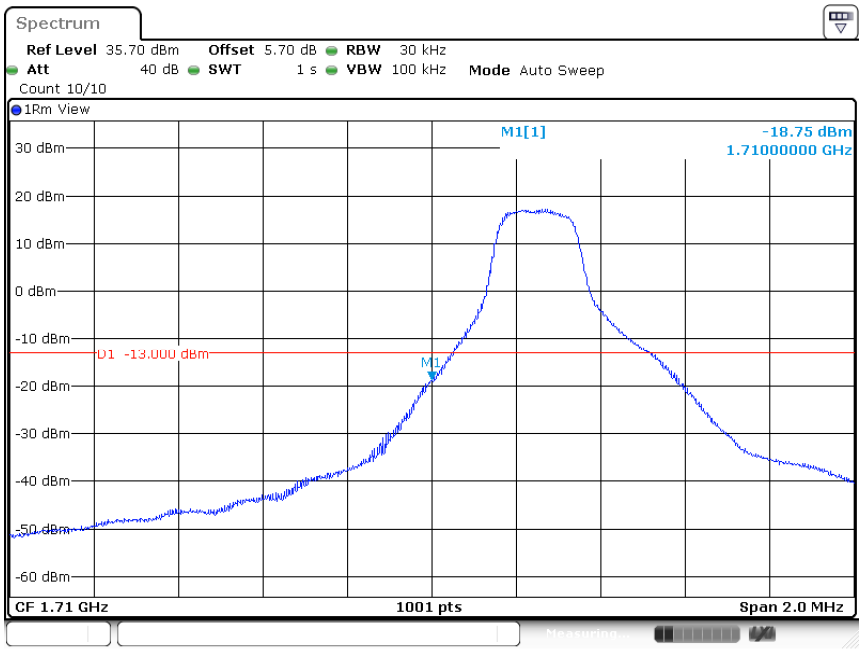
5. Band Edge Compliance

5.1. Test Plots

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


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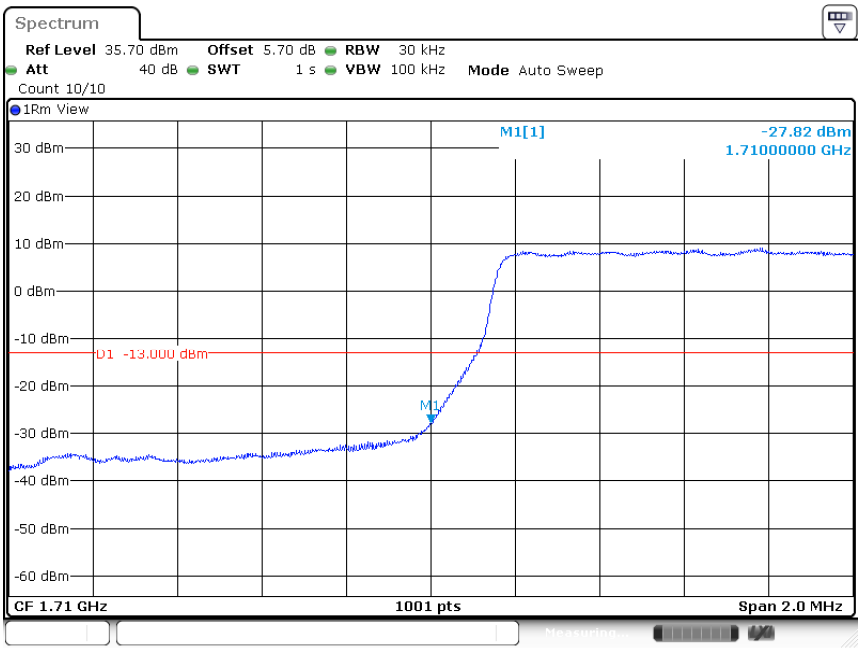
Band4-1.4MHz-QPSK-19957-6RB#0



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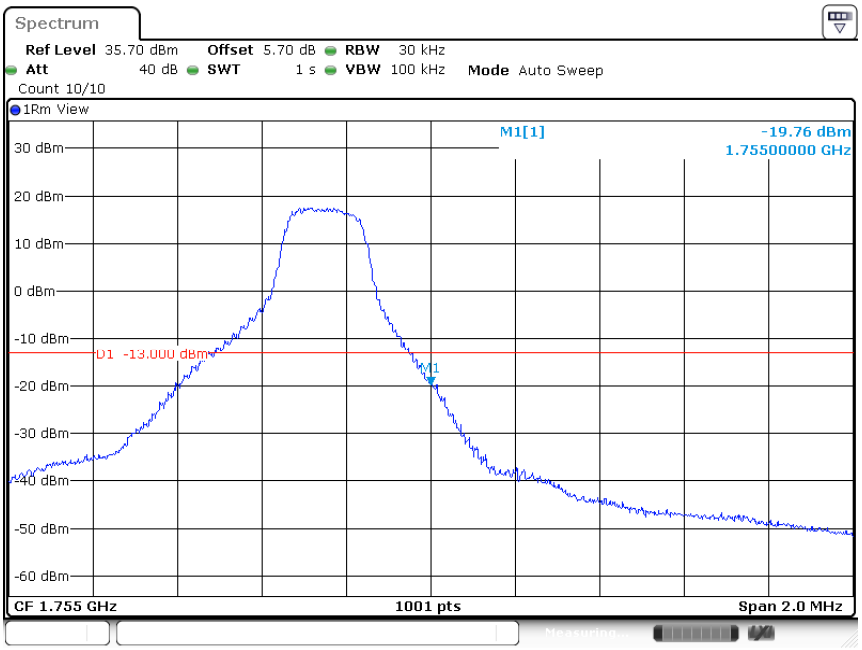
Band4-1.4MHz-QPSK-20393-1RB#5



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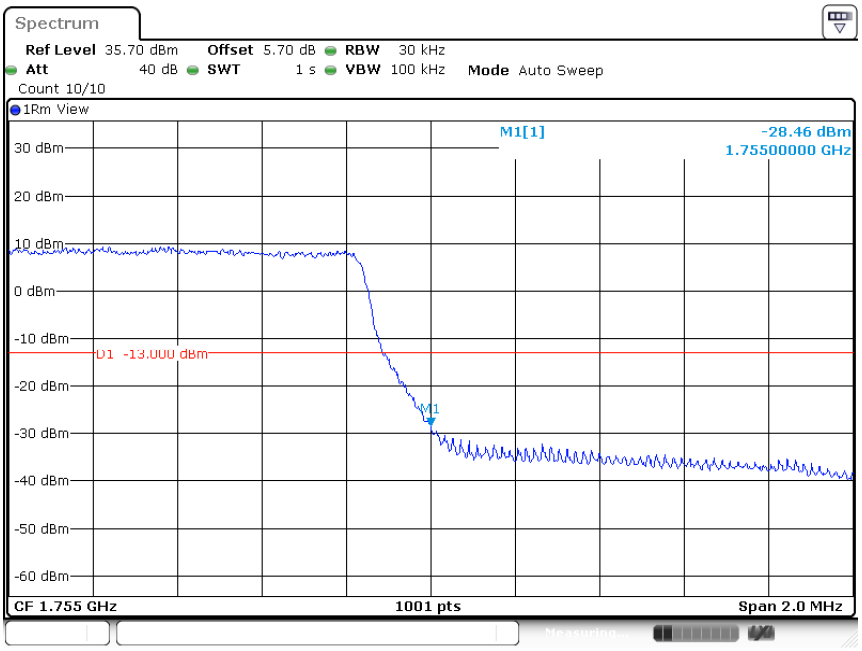
Band4-1.4MHz-QPSK-20393-6RB#0



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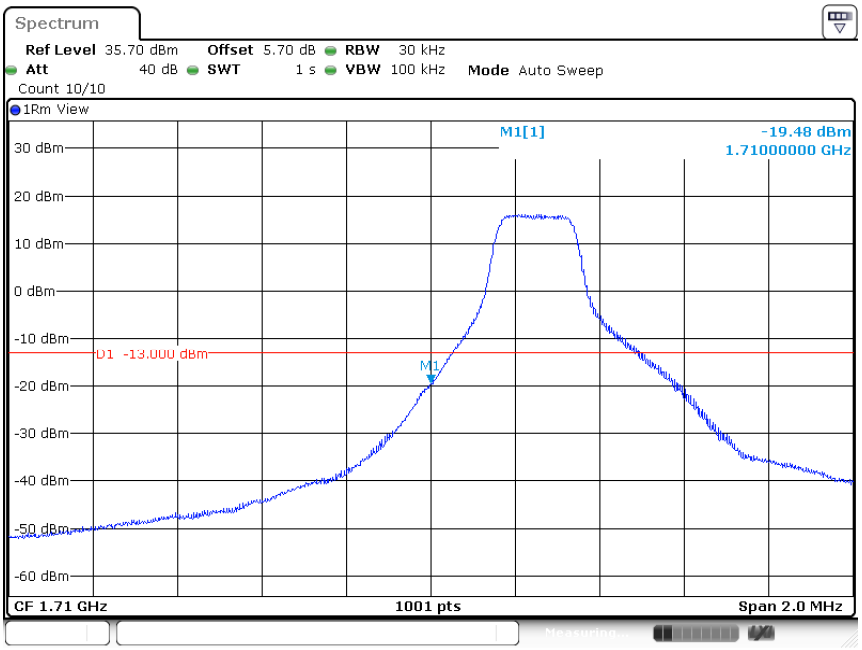

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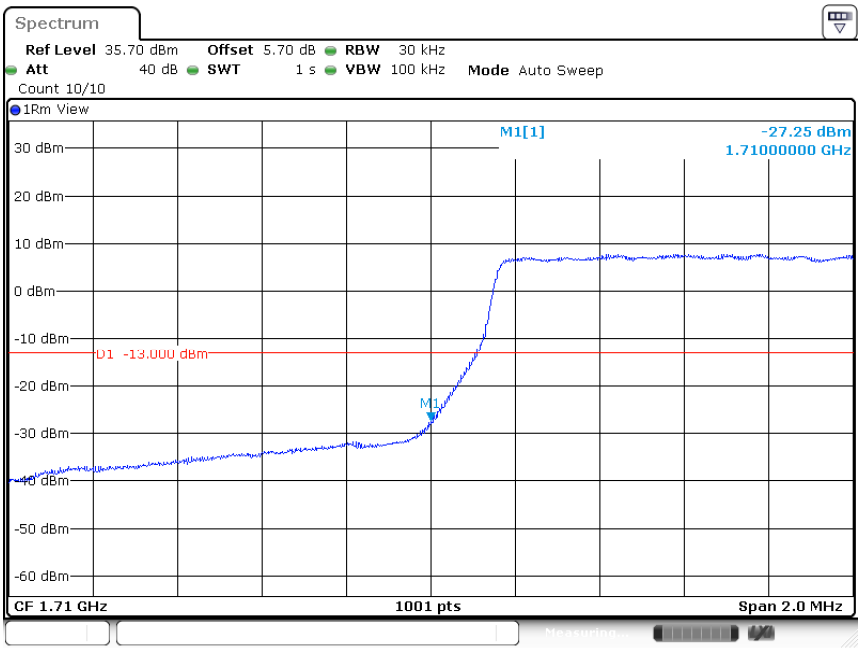
Band4-1.4MHz-16QAM-19957-6RB#0



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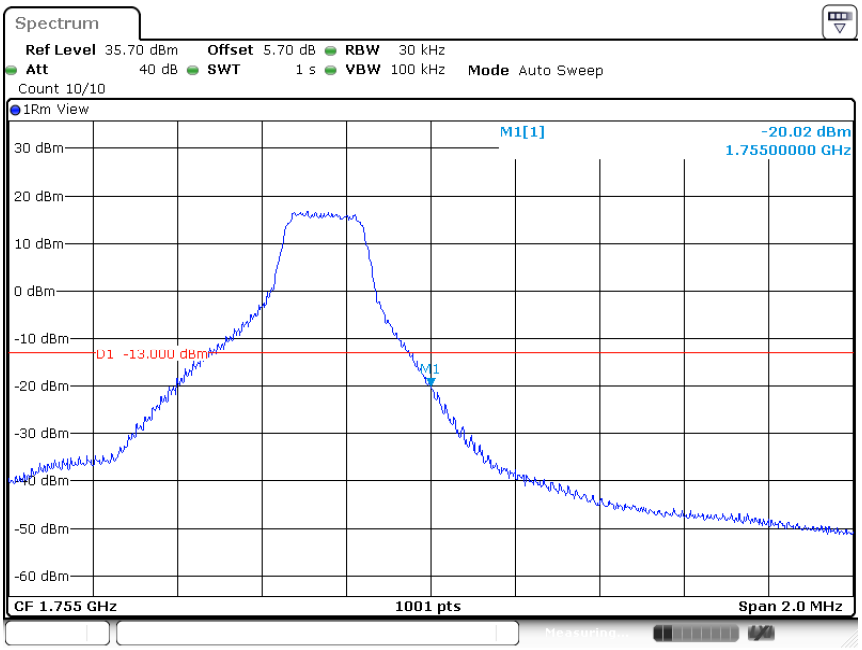

Date: 4.JAN.2021 22:05:27

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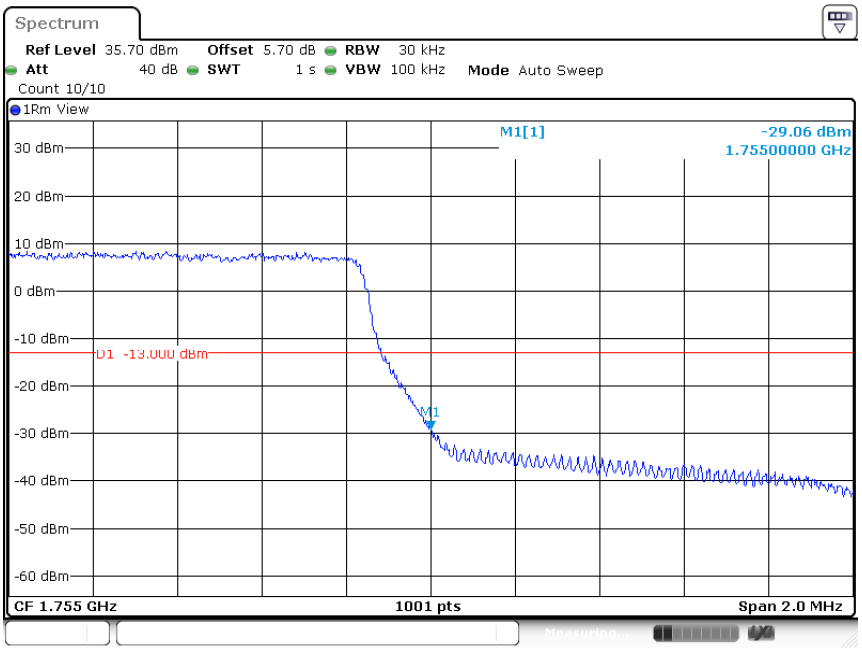

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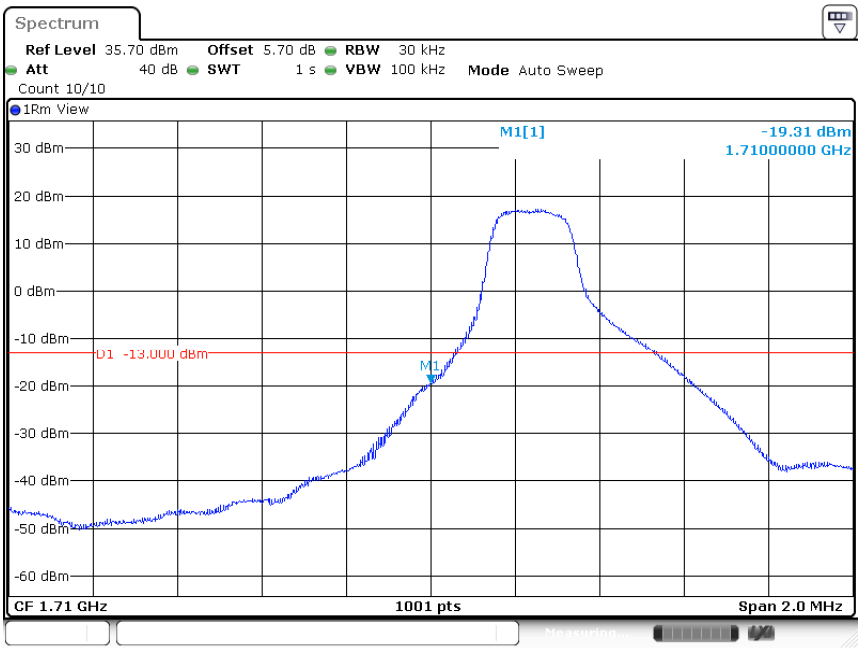

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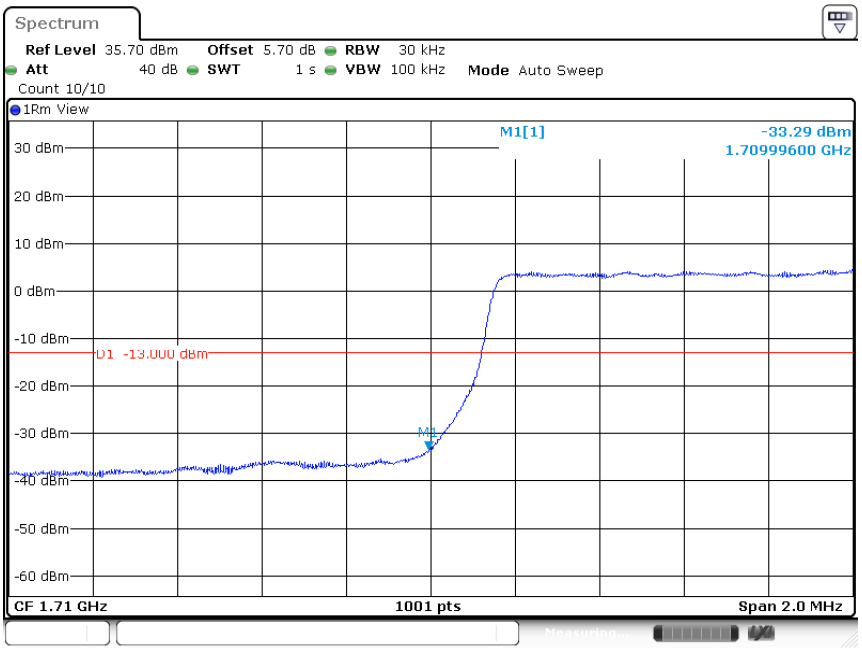
Band4-3MHz-QPSK-19965-15RB#0



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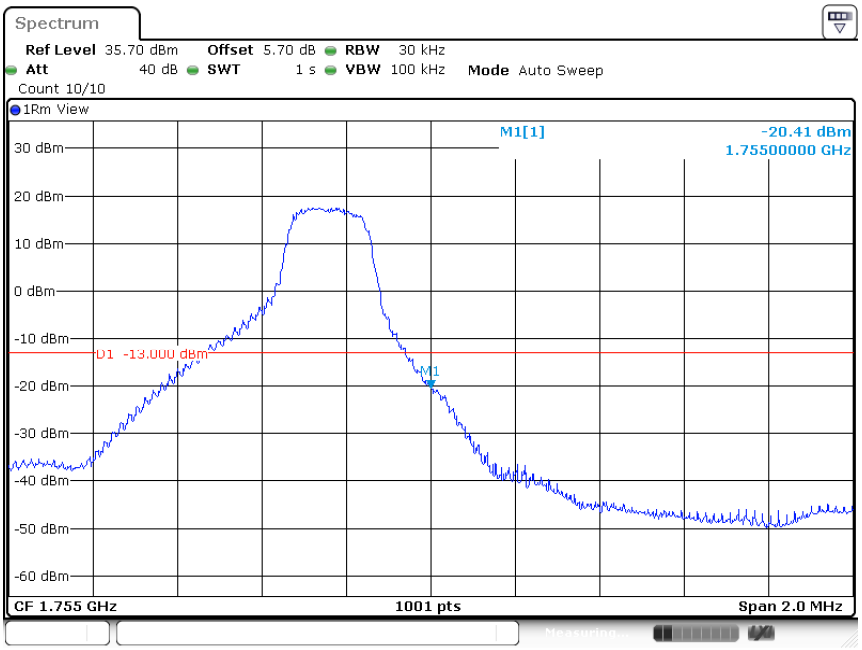
Band4-3MHz-QPSK-20385-1RB#14



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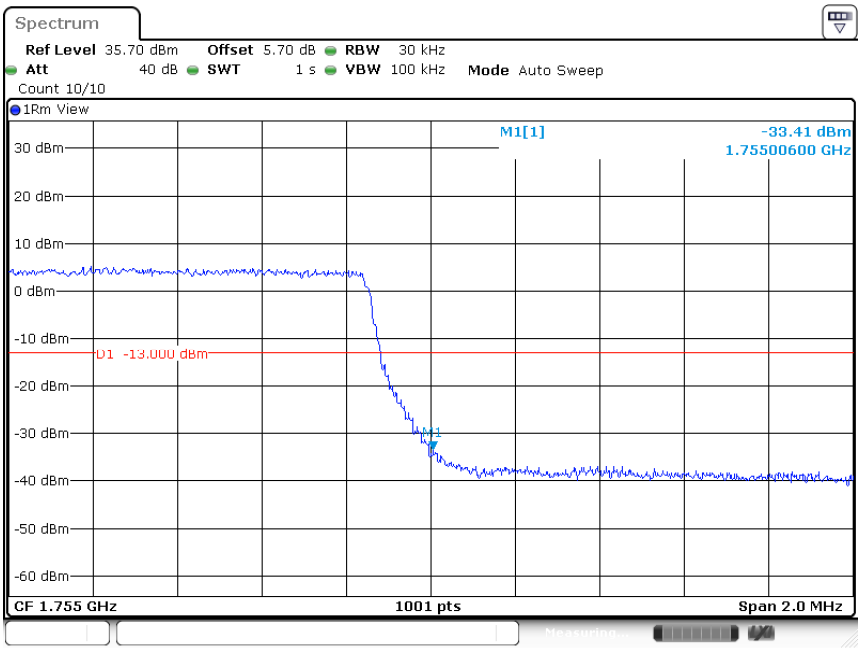

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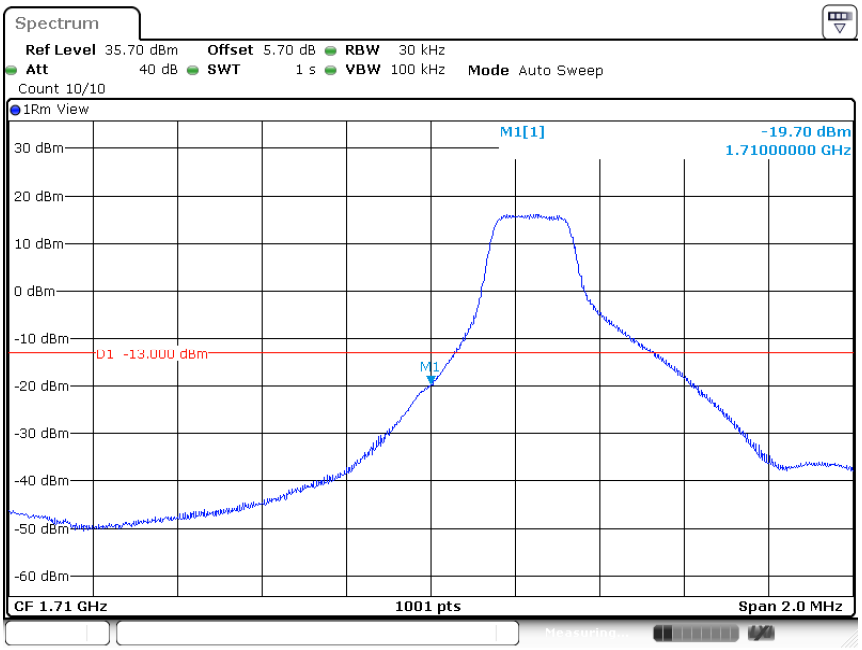

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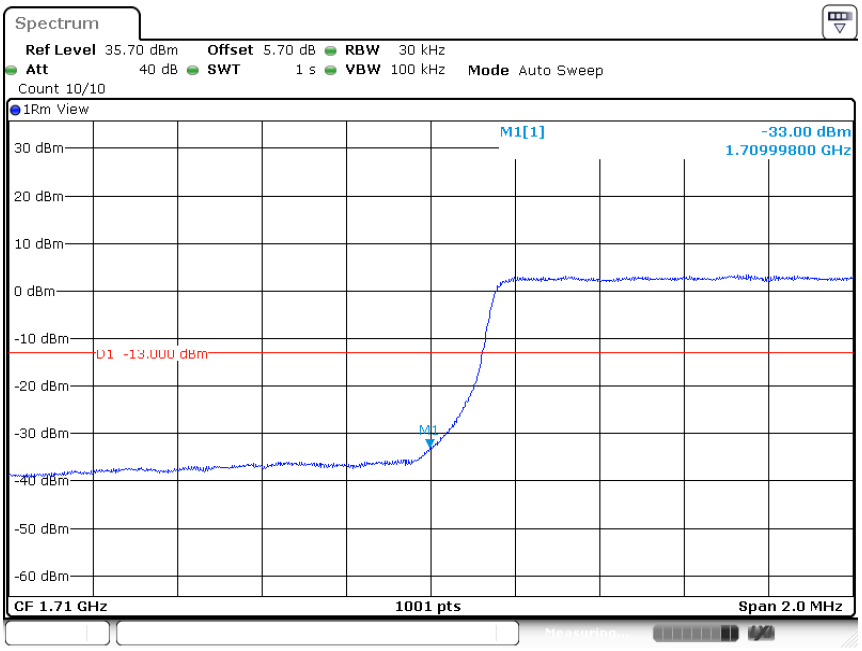

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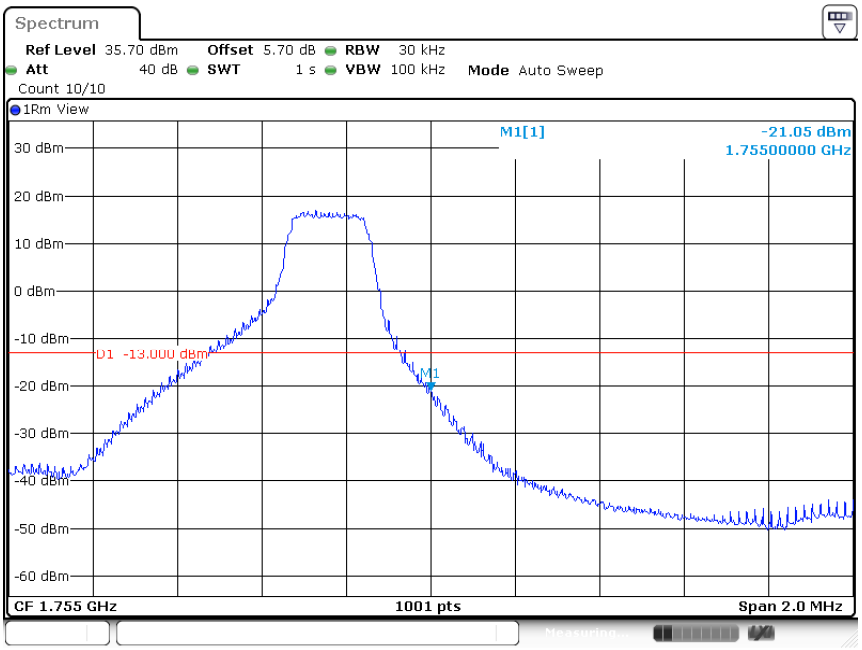

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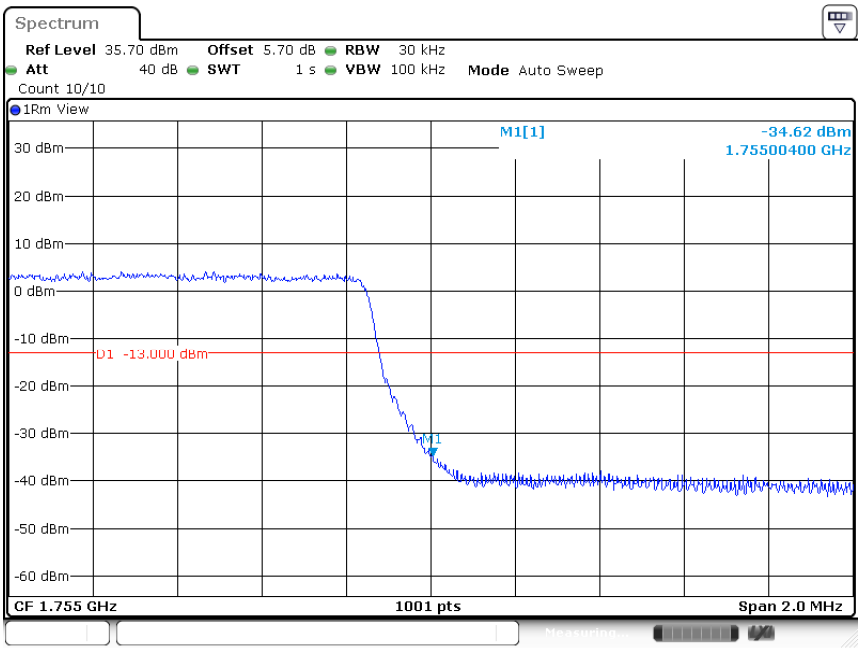

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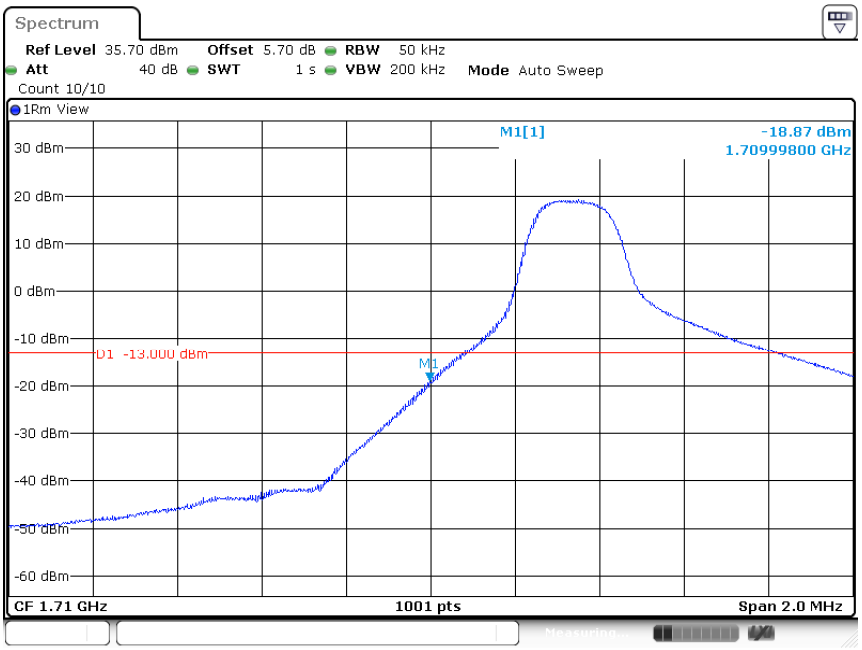
Band4-5MHz-QPSK-19975-1RB#0



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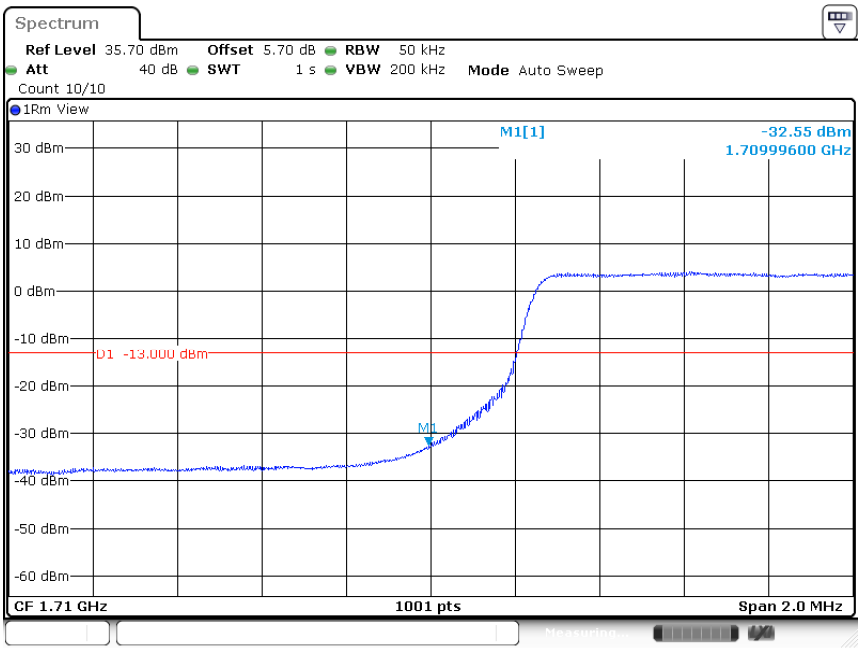

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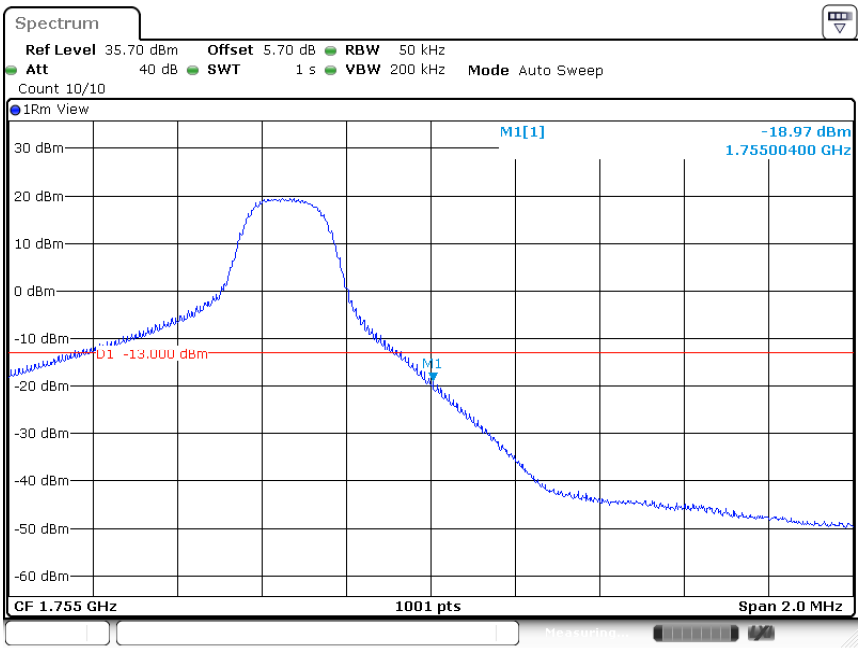

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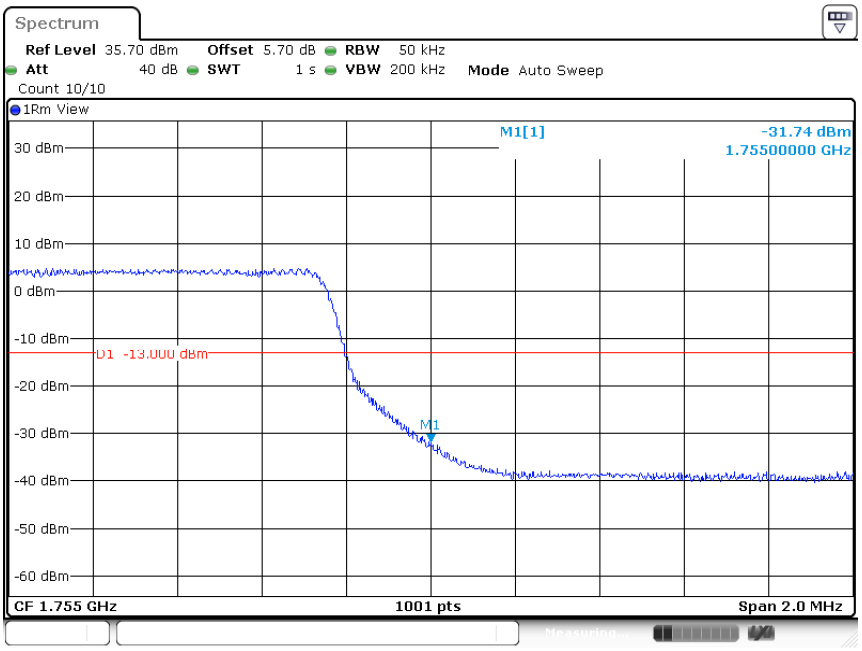
Band4-5MHz-QPSK-20375-25RB#0



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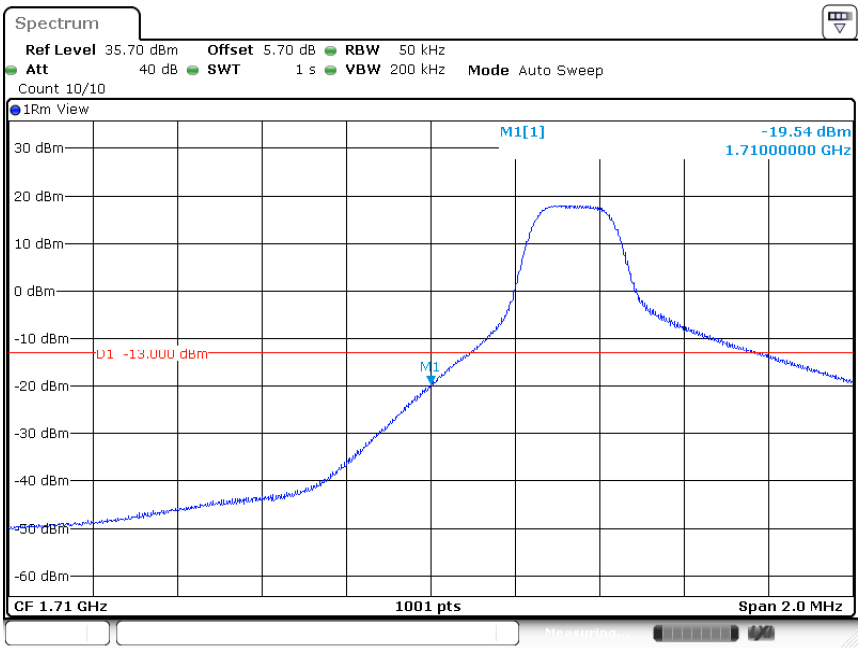

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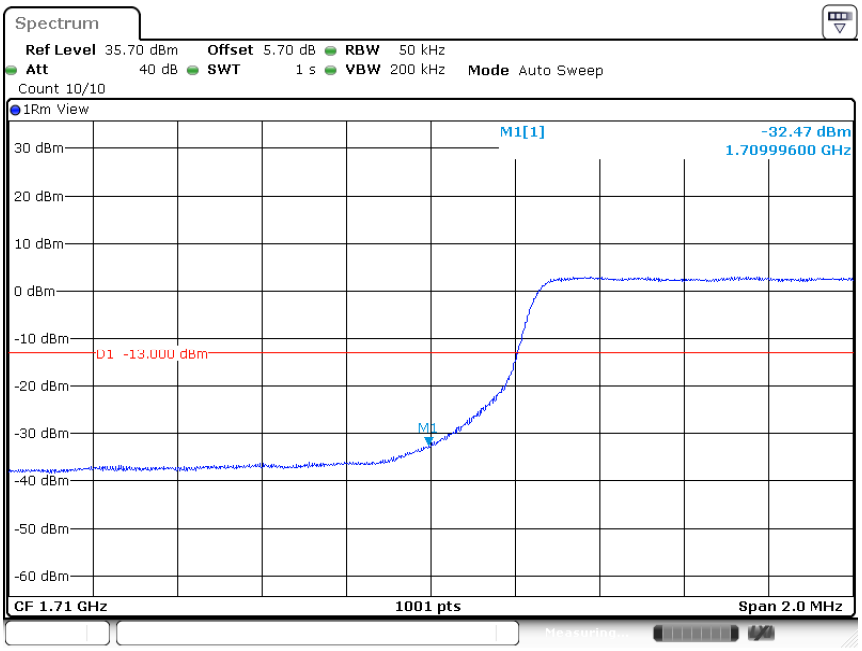
Band4-5MHz-16QAM-19975-25RB#0



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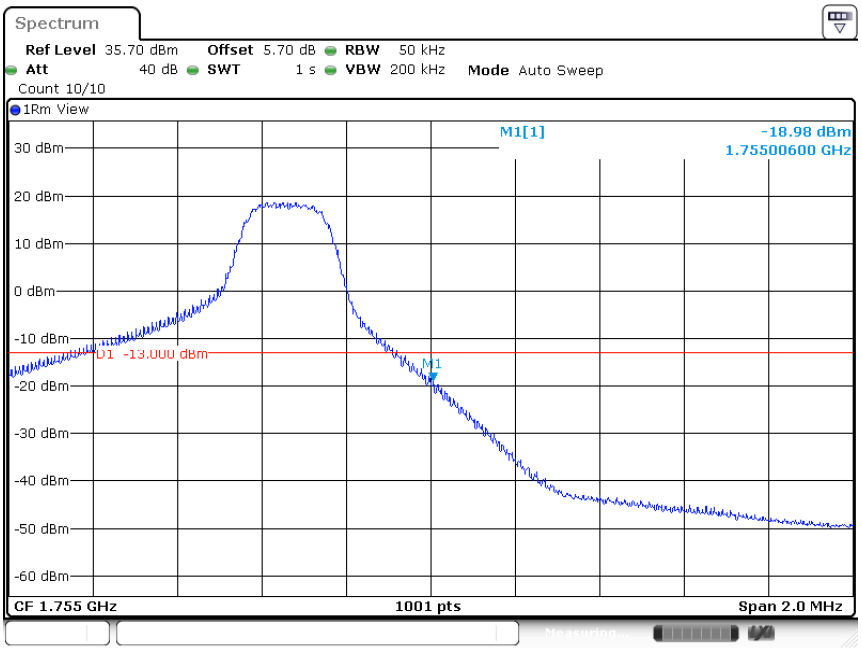

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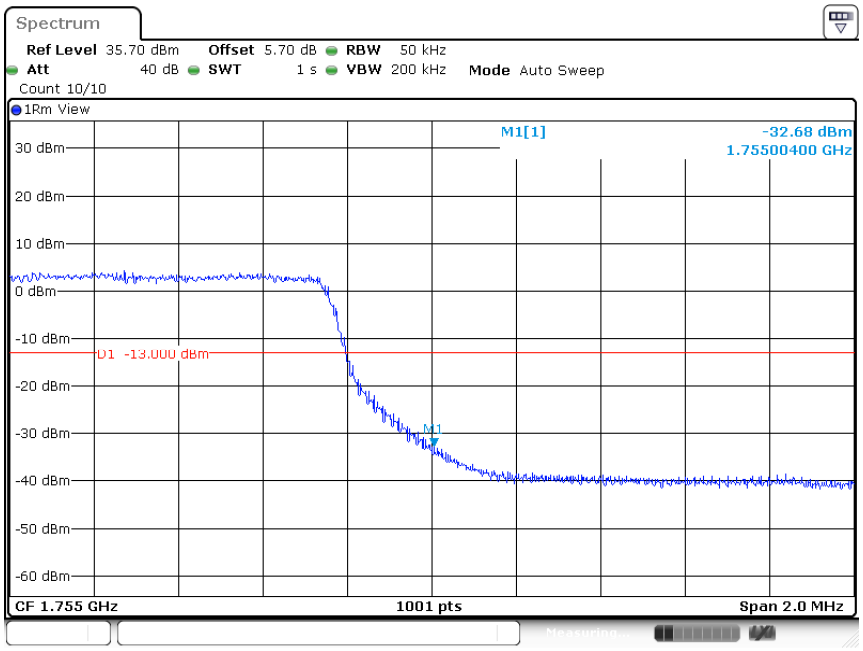
Band4-5MHz-16QAM-20375-25RB#0



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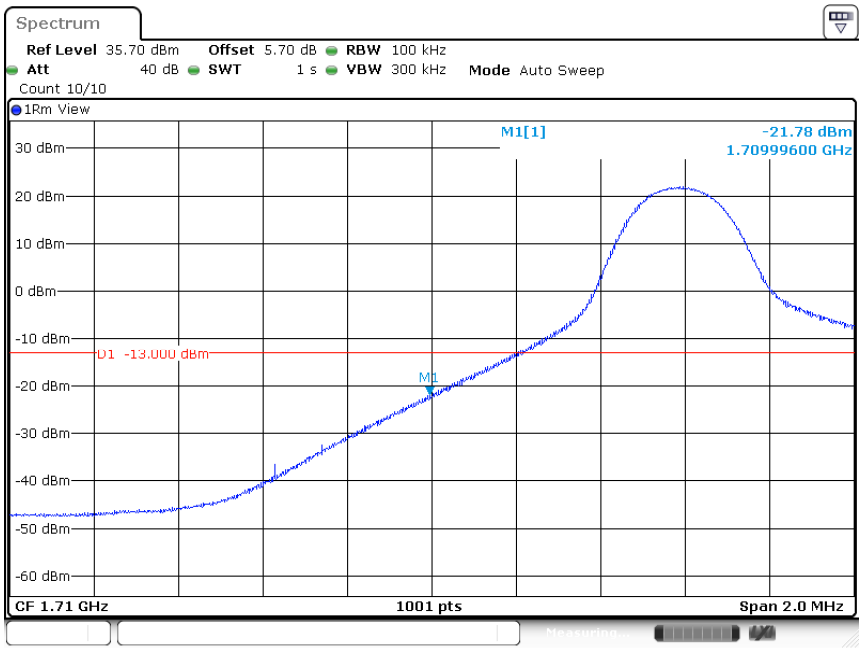
Band4-10MHz-QPSK-20000-1RB#0



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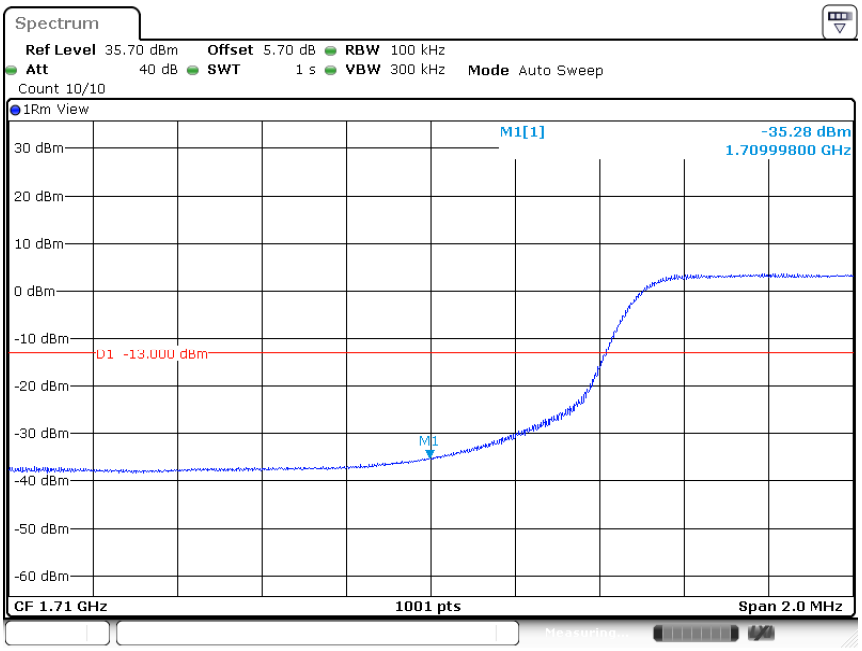
Band4-10MHz-QPSK-20000-50RB#0



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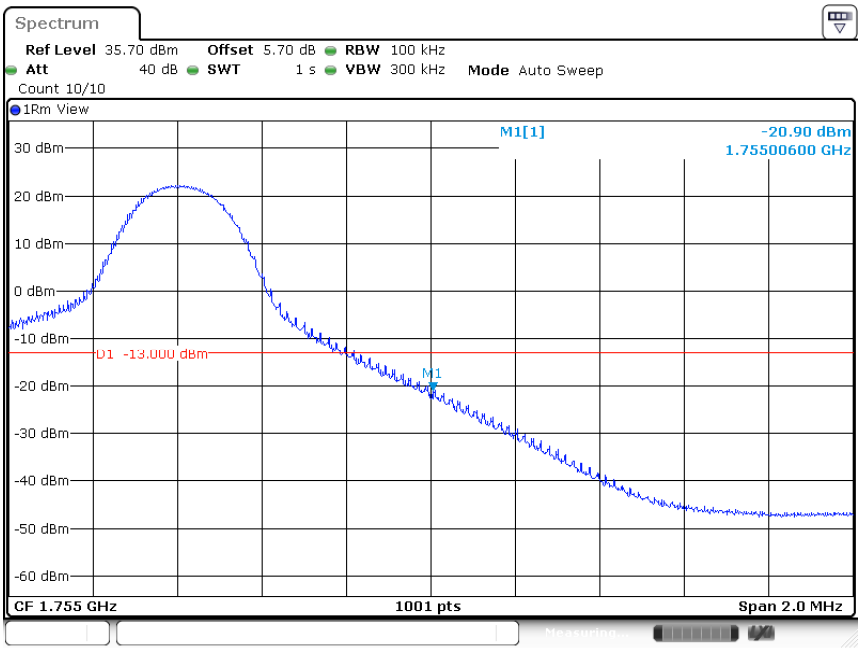
Band4-10MHz-QPSK-20350-1RB#49



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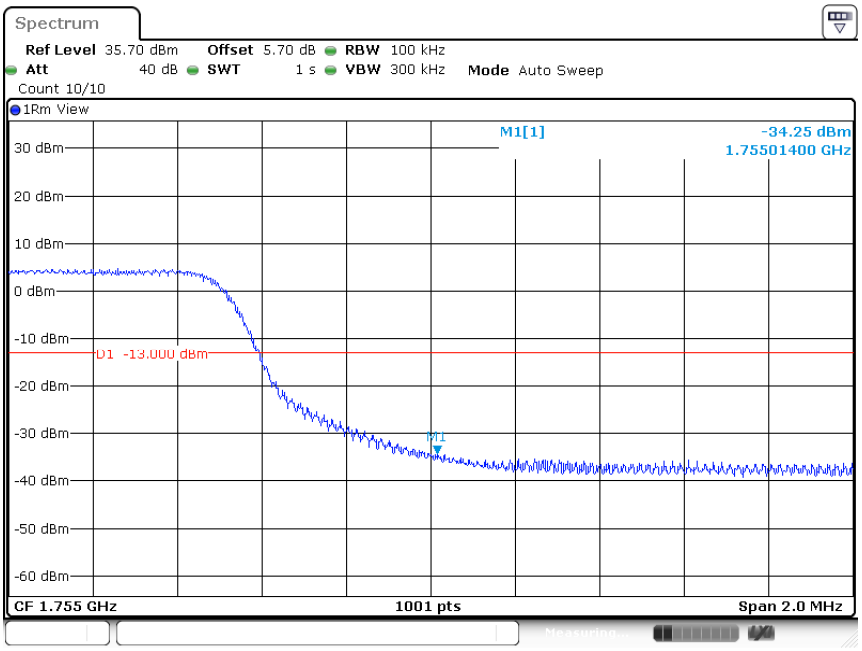
Band4-10MHz-QPSK-20350-50RB#0



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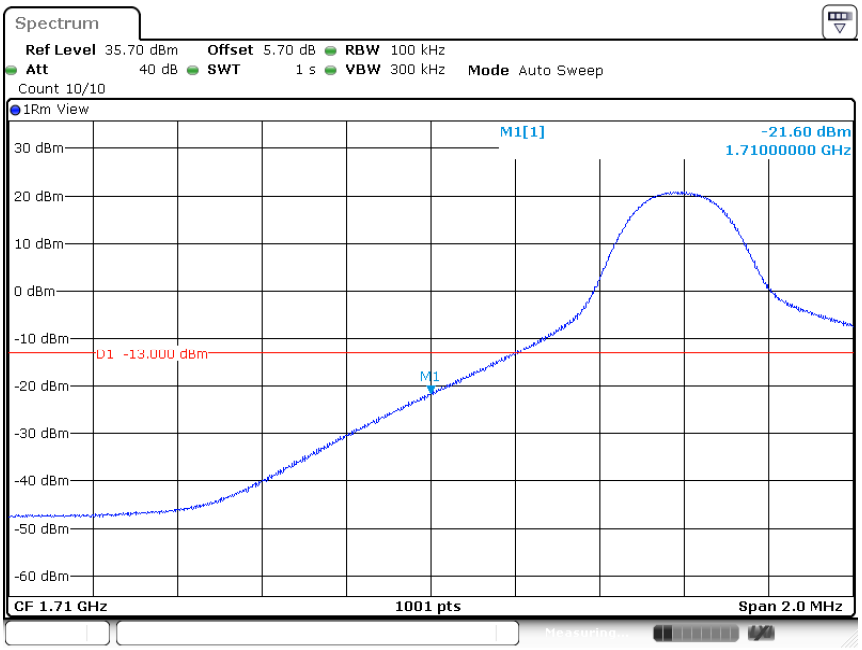
Band4-10MHz-16QAM-20000-1RB#0



Date: 4.JAN.2021 22:12:43

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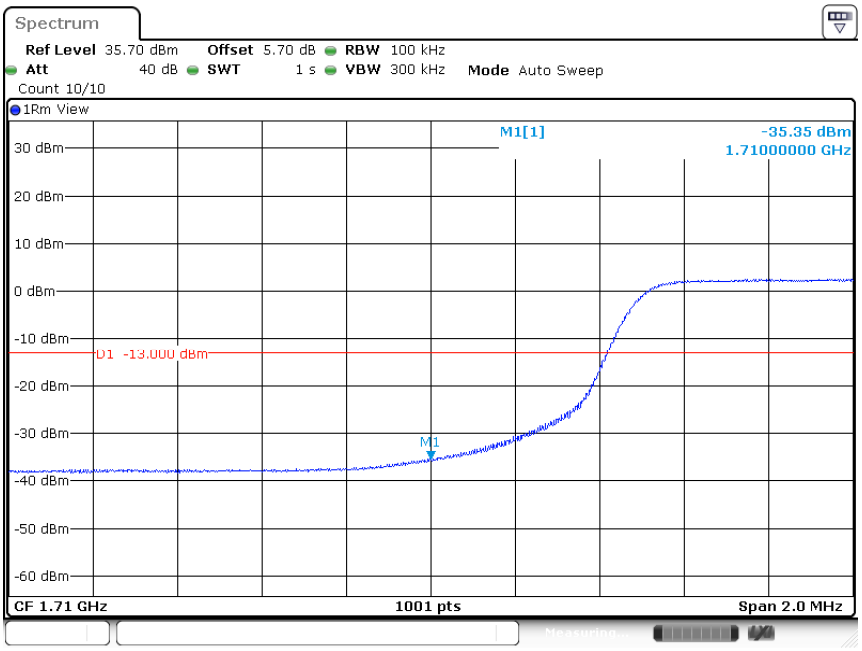
Band4-10MHz-16QAM-20000-50RB#0



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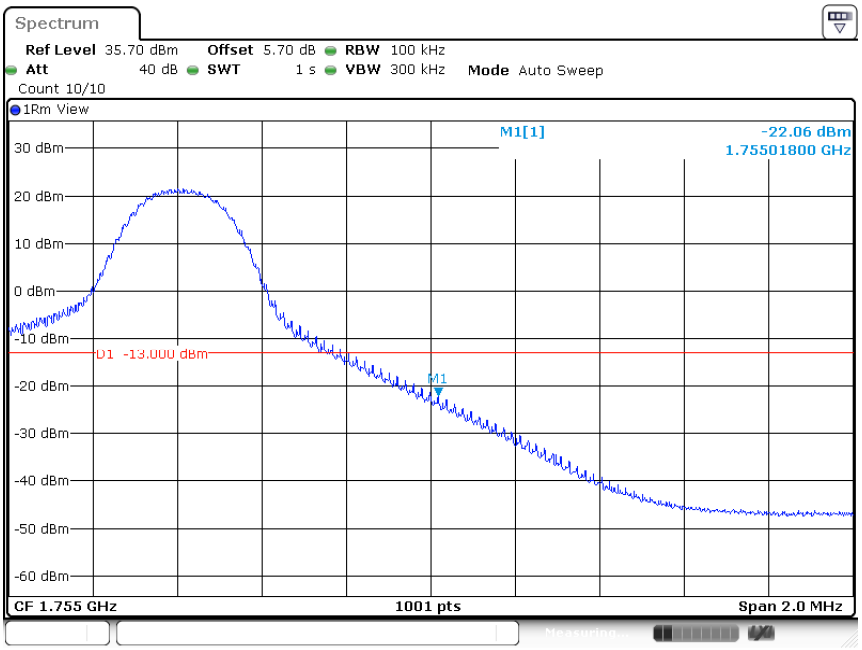
Band4-10MHz-16QAM-20350-1RB#49



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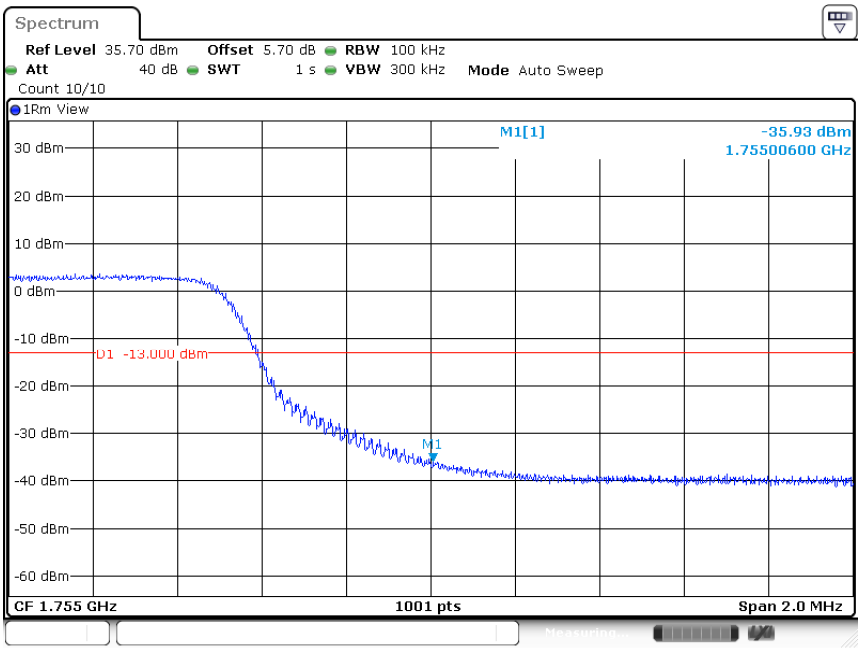
Band4-10MHz-16QAM-20350-50RB#0



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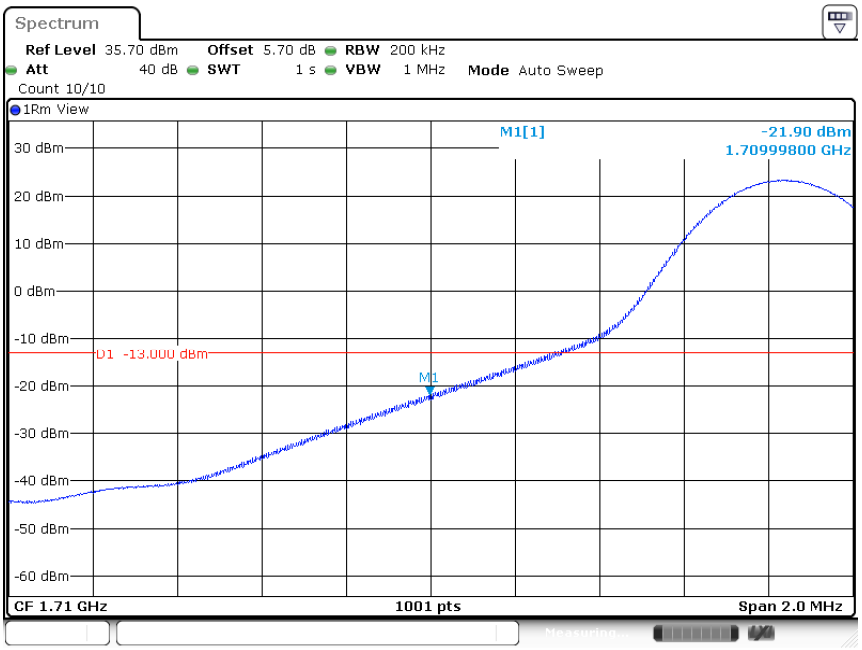
Band4-15MHz-QPSK-20025-1RB#0



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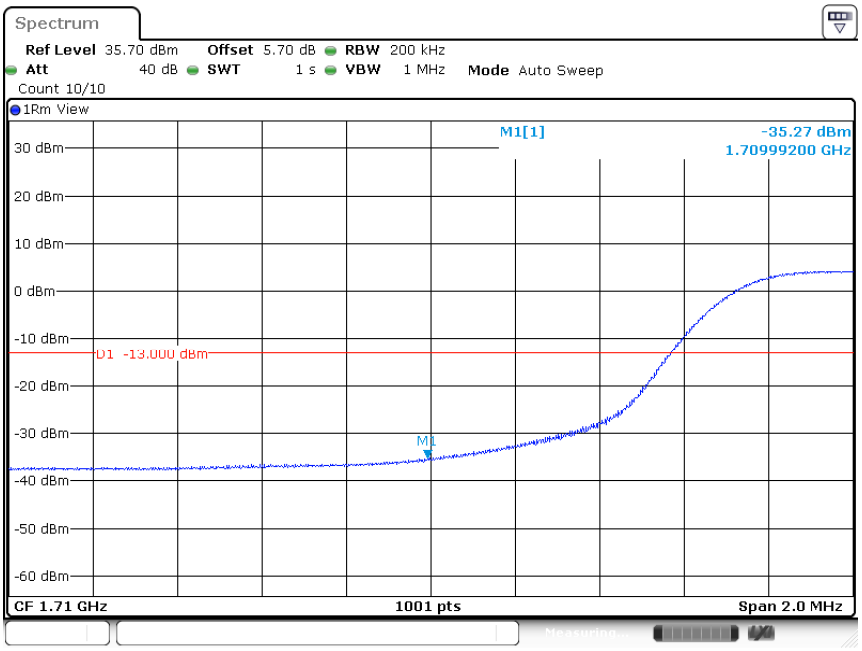
Band4-15MHz-QPSK-20025-75RB#0



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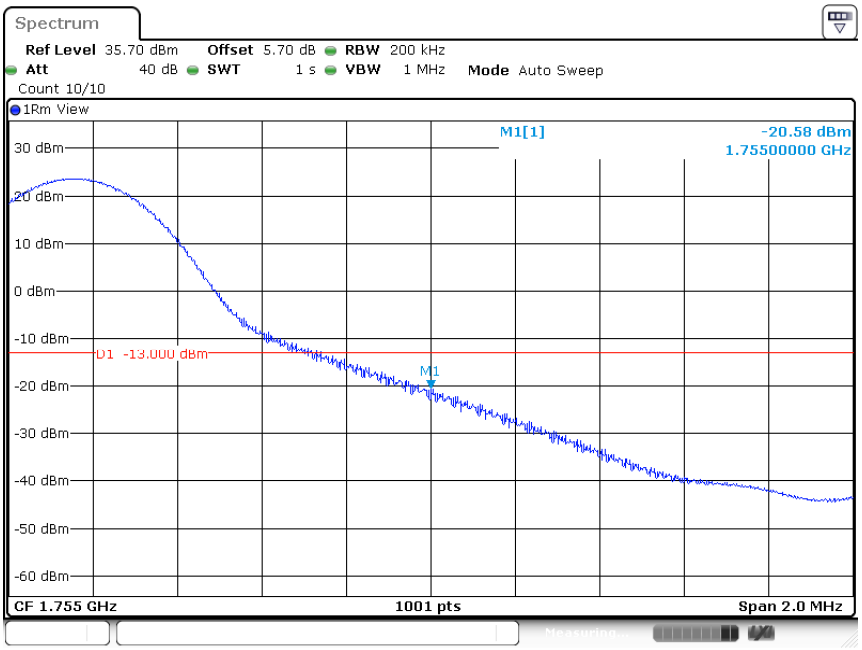

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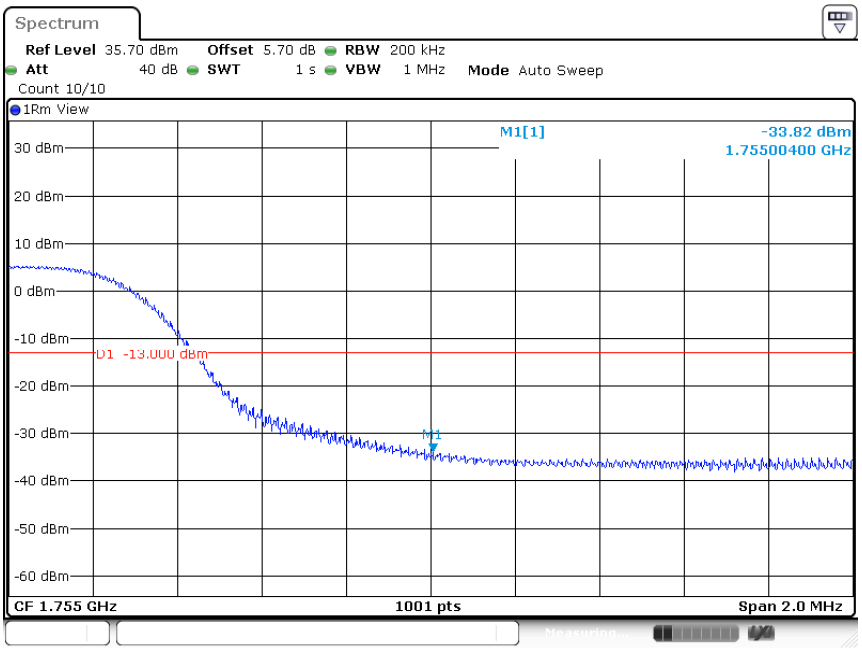
Band4-15MHz-QPSK-20325-75RB#0



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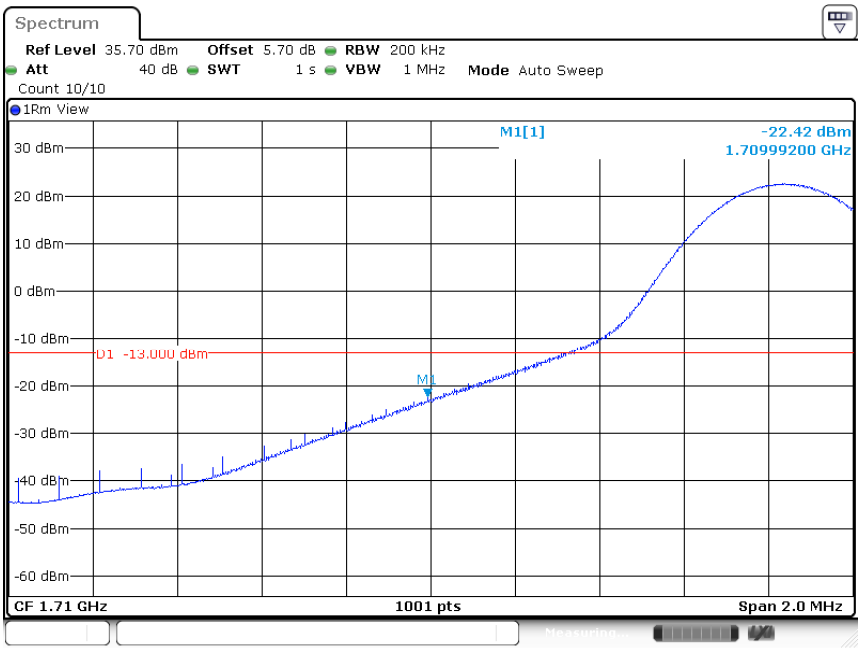

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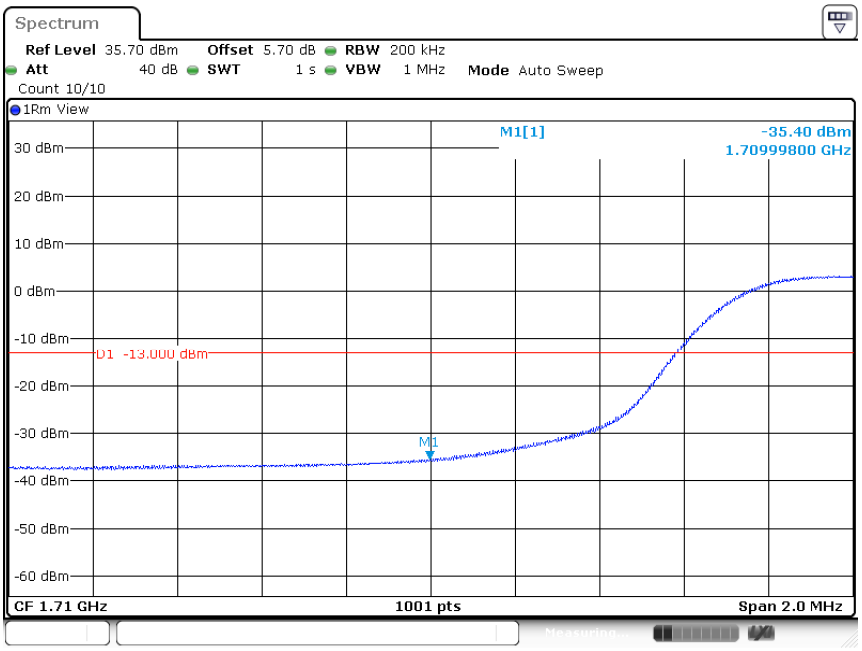
Band4-15MHz-16QAM-20025-75RB#0



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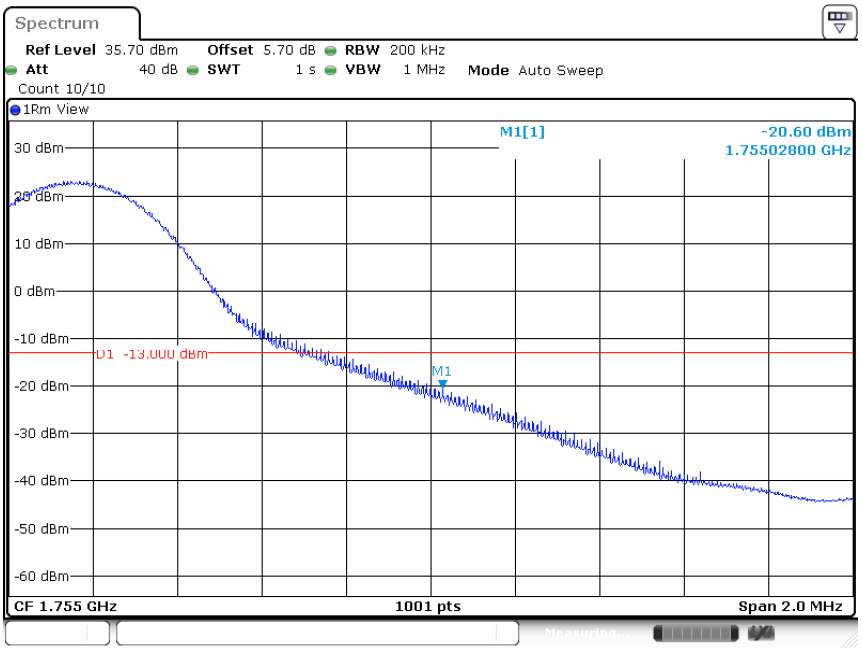
Band4-15MHz-16QAM-20325-1RB#74



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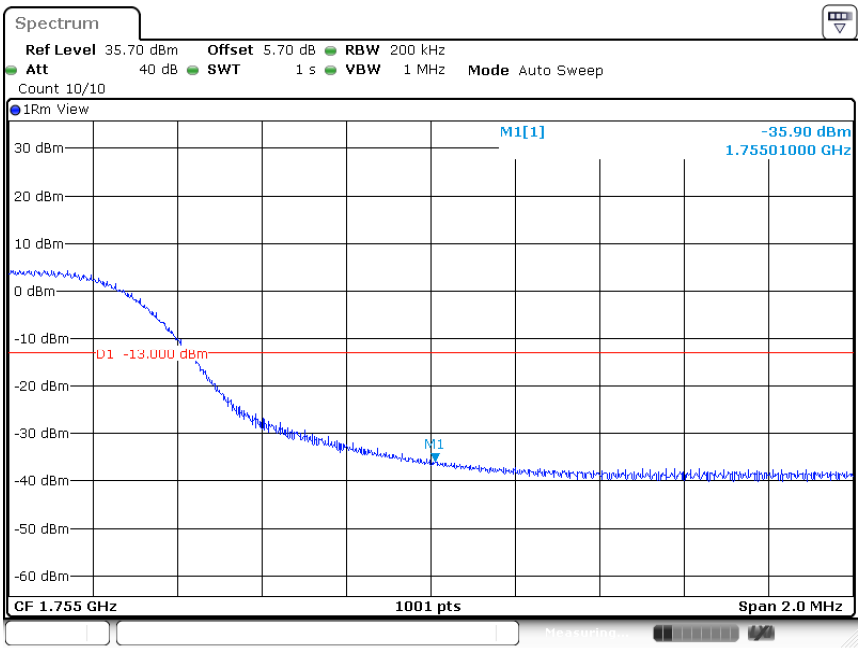
Band4-15MHz-16QAM-20325-75RB#0



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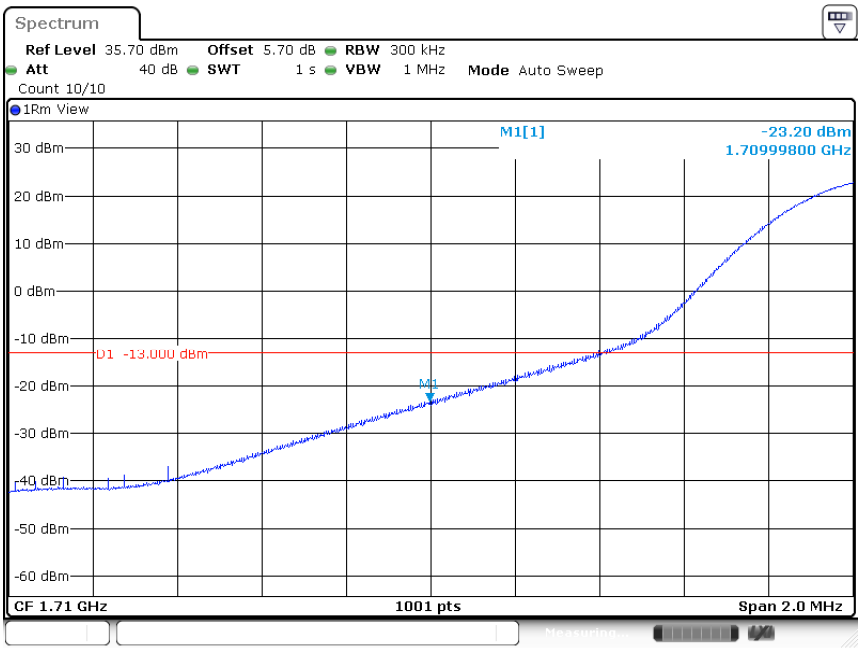
Band4-20MHz-QPSK-20050-1RB#0



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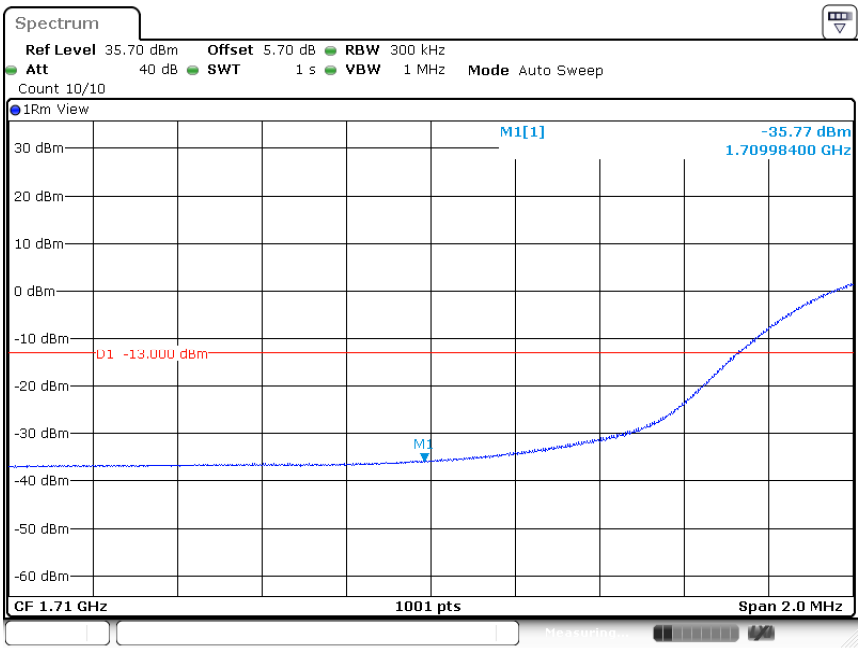
Band4-20MHz-QPSK-20050-100RB#0



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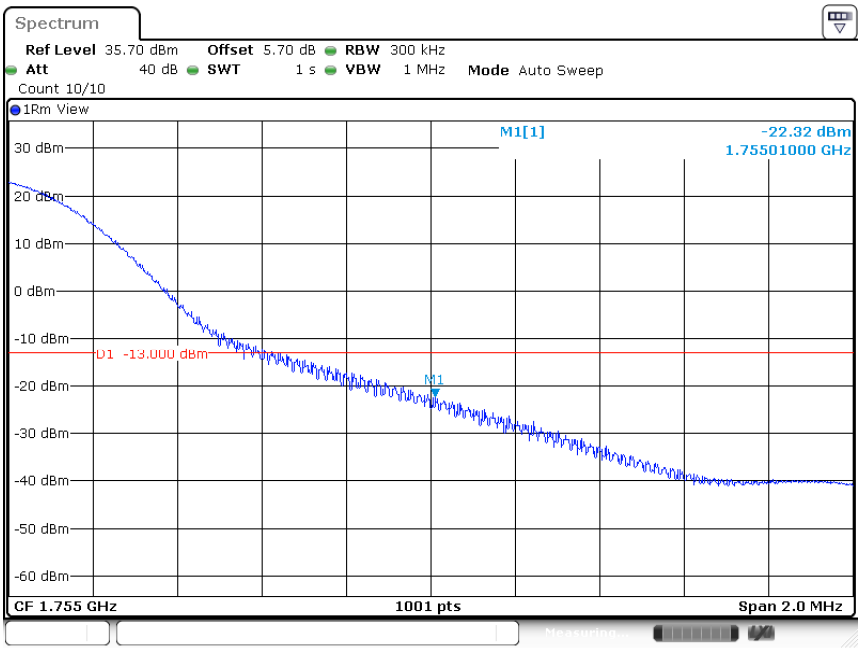
Band4-20MHz-QPSK-20300-1RB#99



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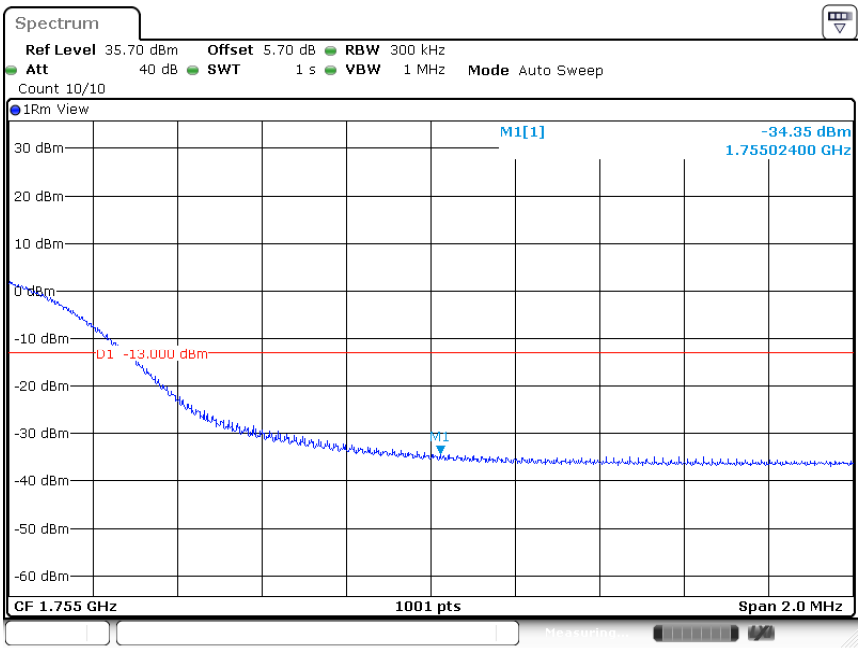
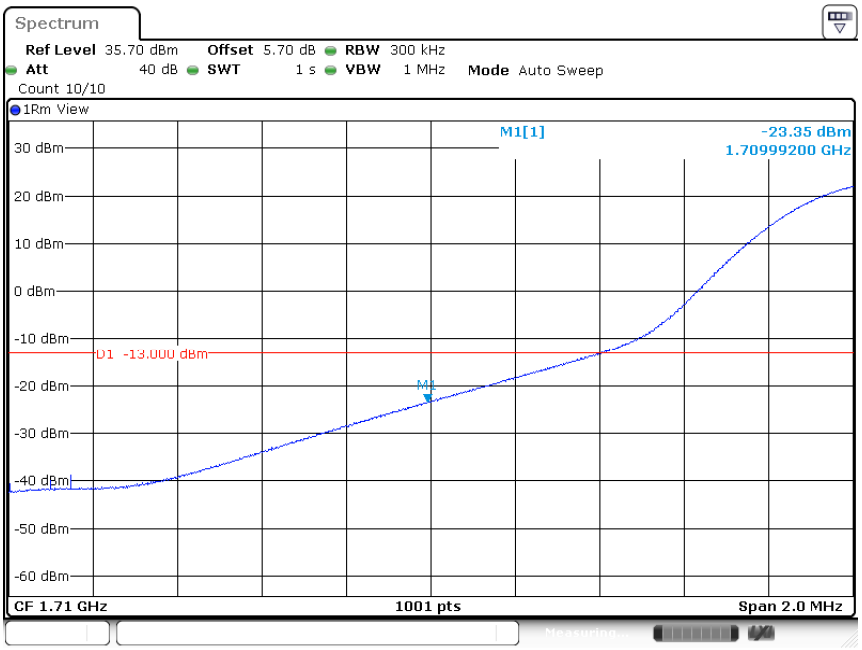
Band4-20MHz-QPSK-20300-100RB#0



Date: 4.JAN.2021 22:20:19

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



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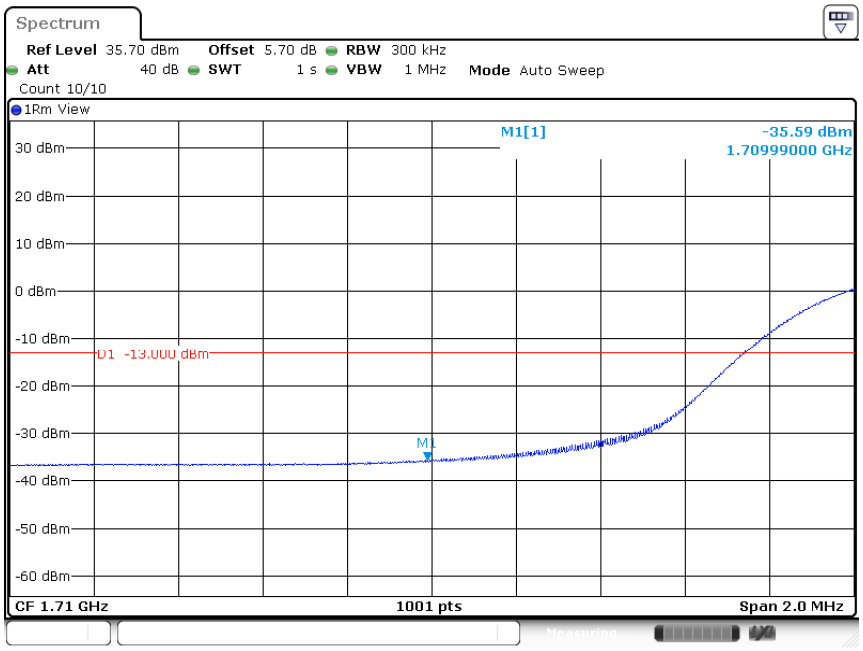
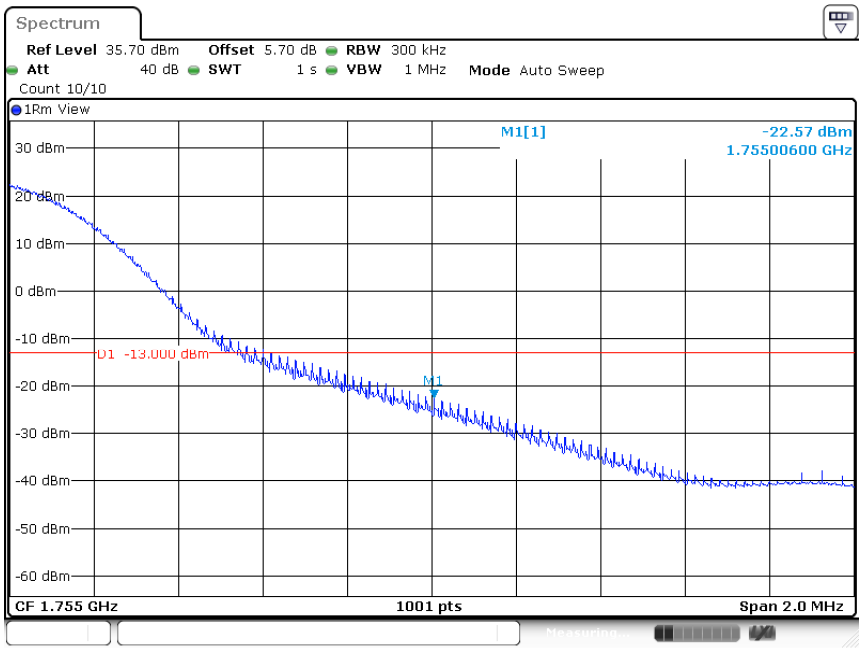
Band4-20MHz-16QAM-20050-100RB#0



Date: 4.JAN.2021 22:19:13

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



Date: 4.JAN.2021 22:19:59

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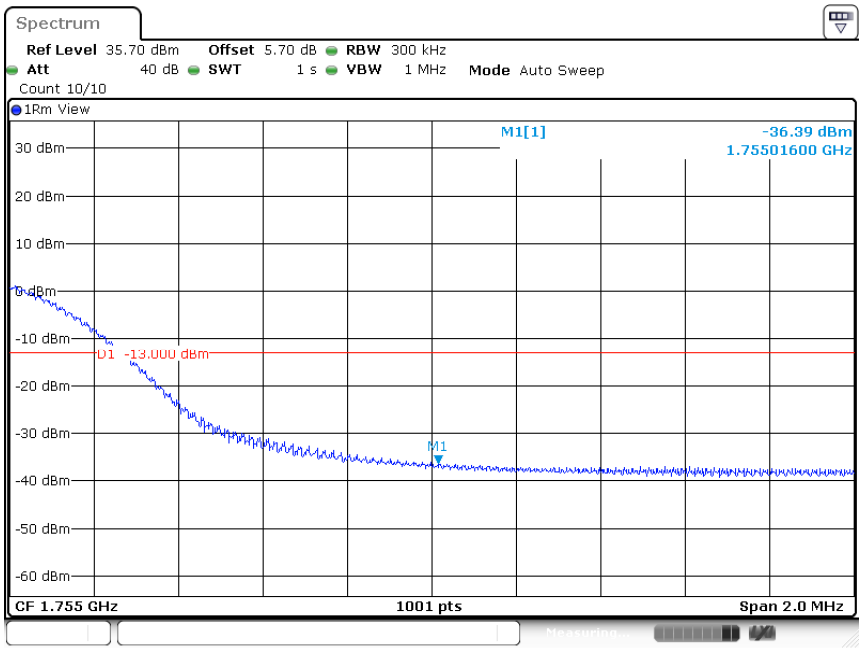
Band4-20MHz-16QAM-20300-100RB#0


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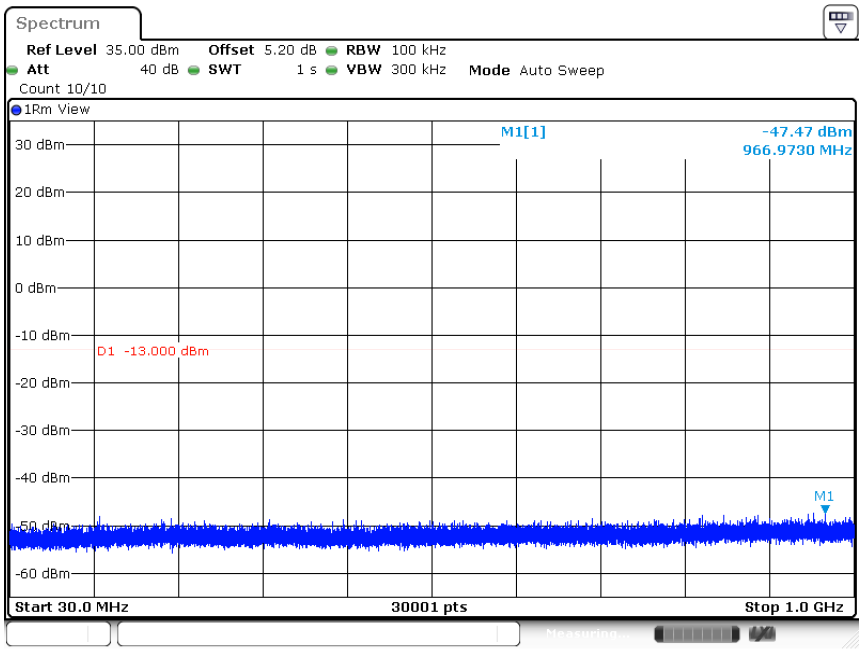
6. Spurious Emission at Antenna Terminal

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



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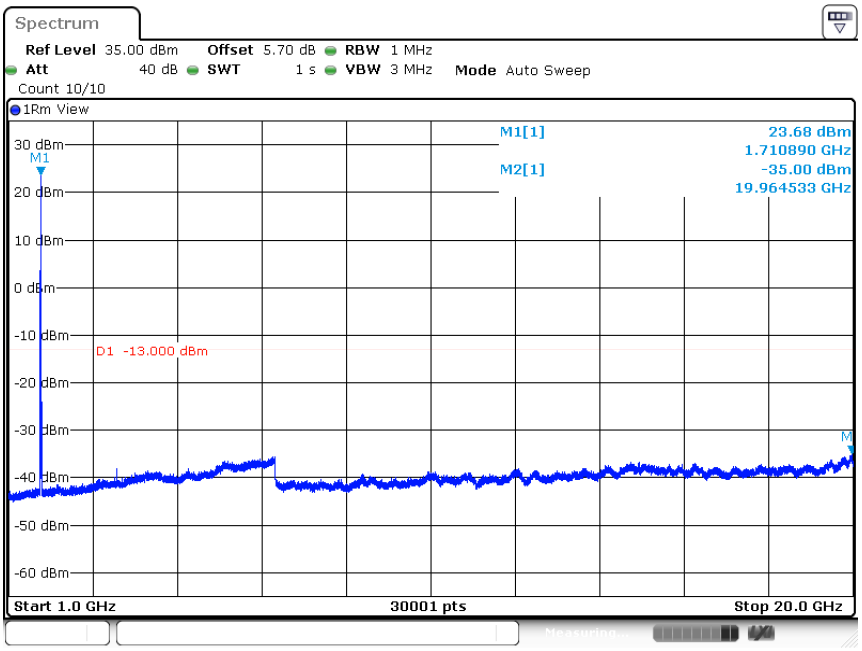
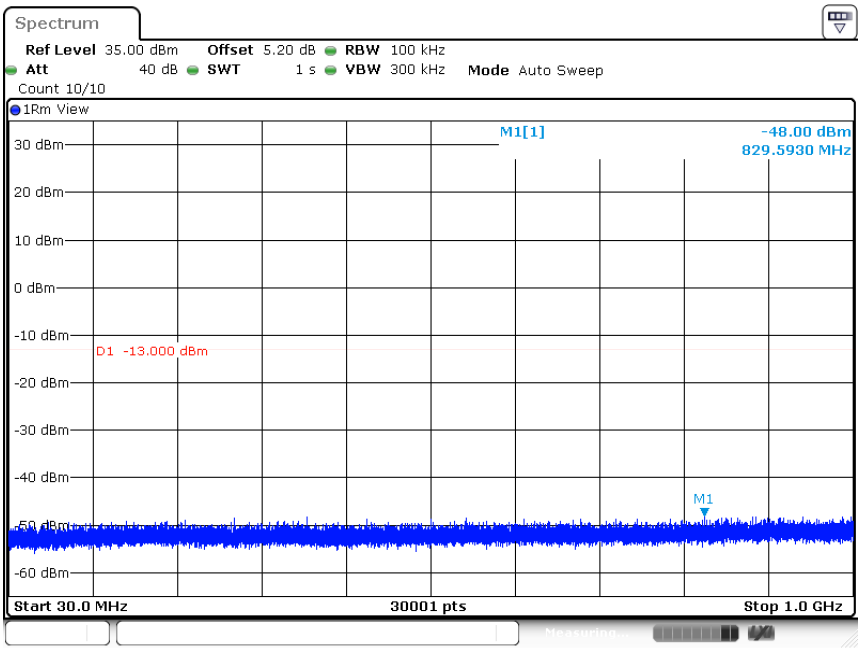
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 4.JAN.2021 22:21:19

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



Date: 4.JAN.2021 22:22:13

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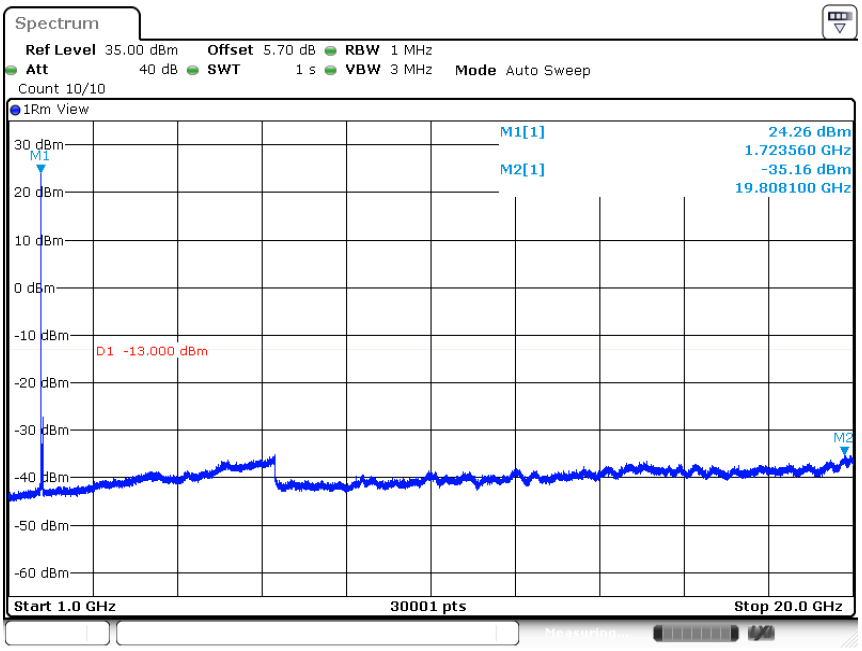
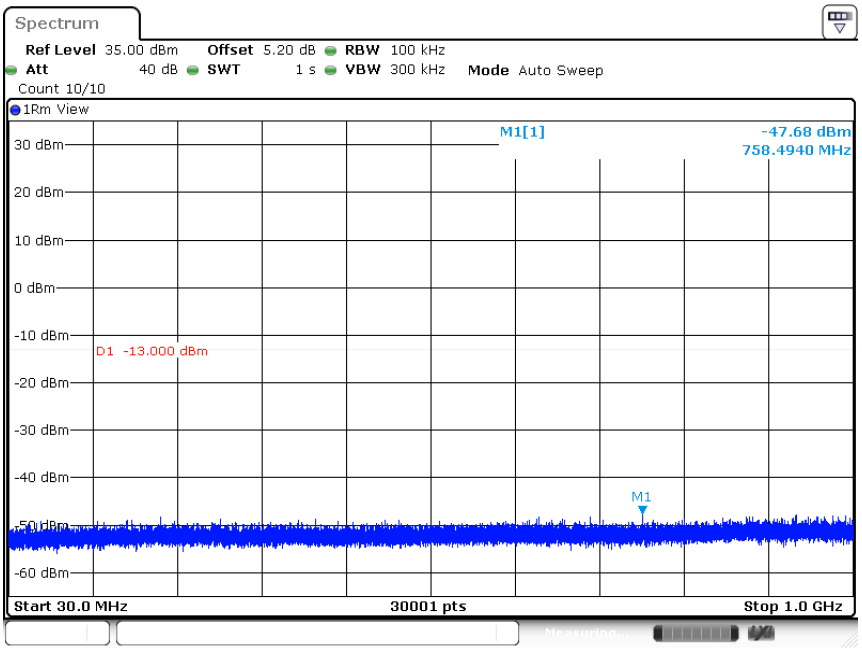
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 4.JAN.2021 22:22:30

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



Date: 4.JAN.2021 22:23:24

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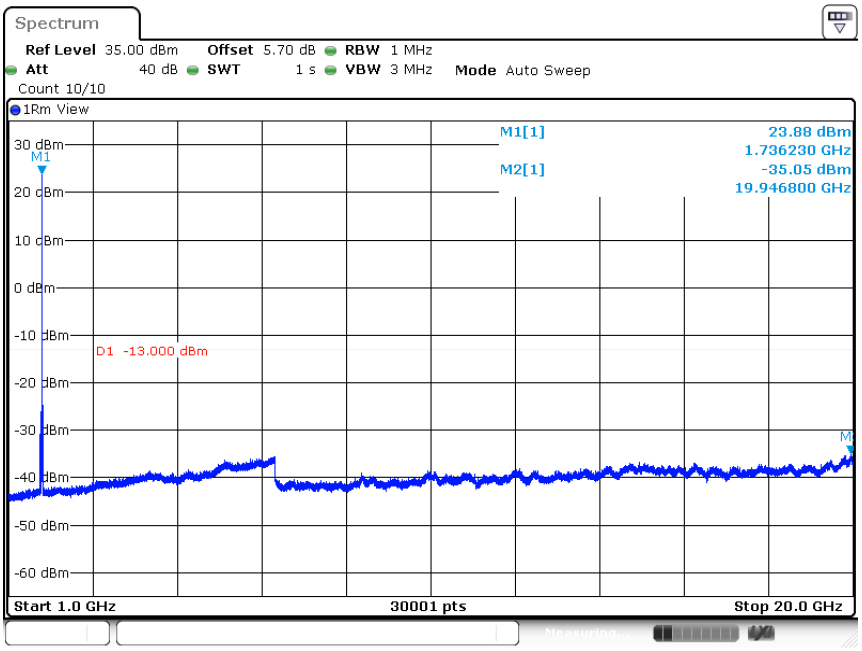
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



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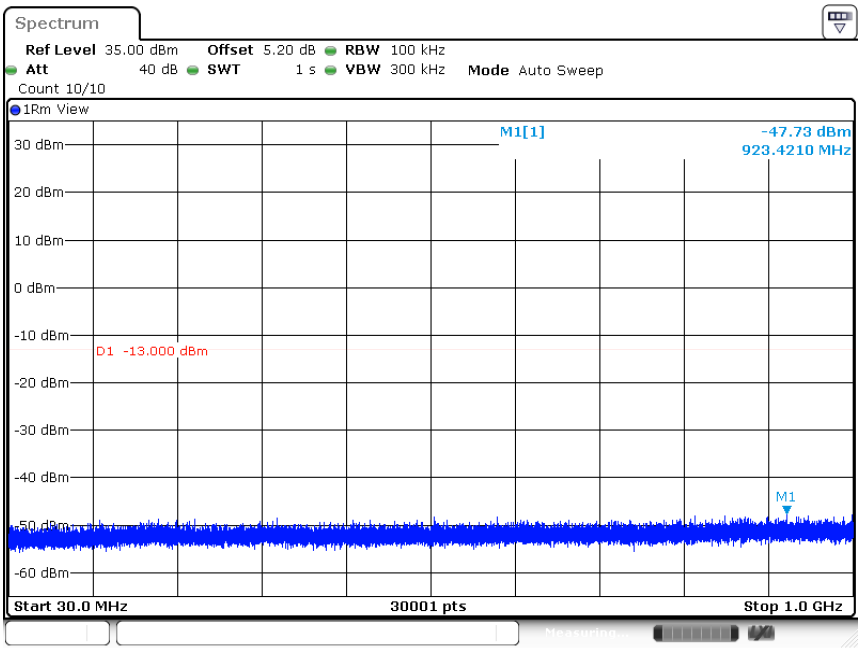
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



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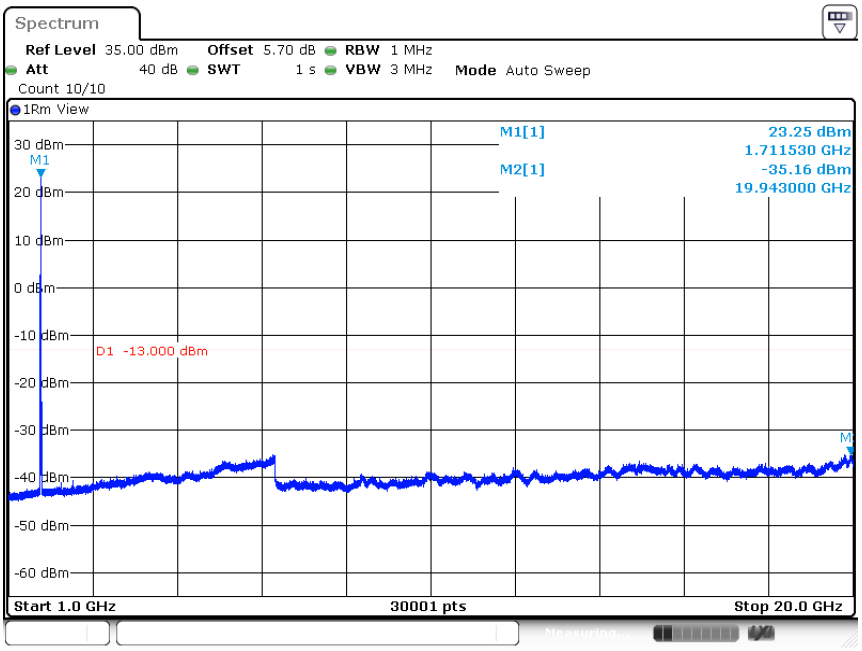

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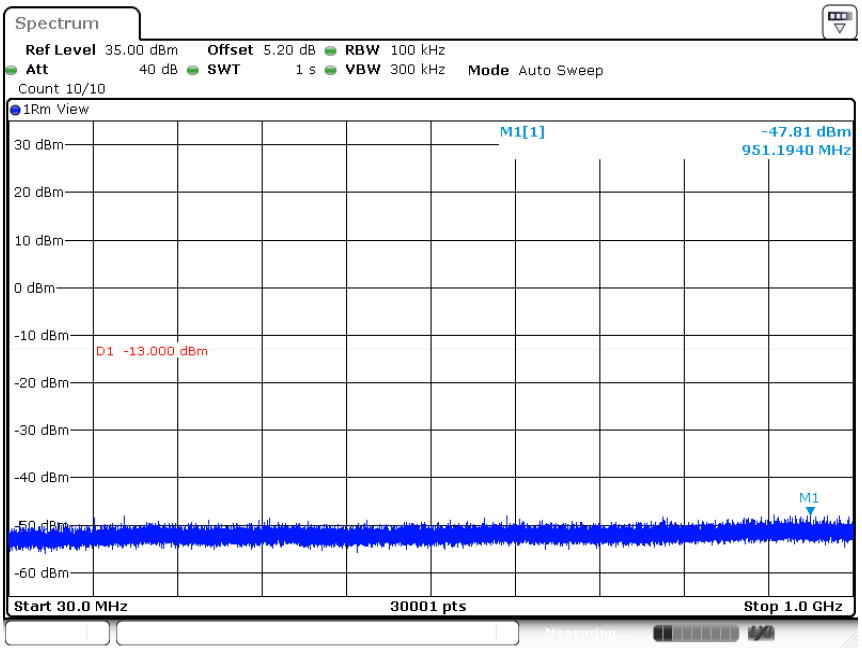

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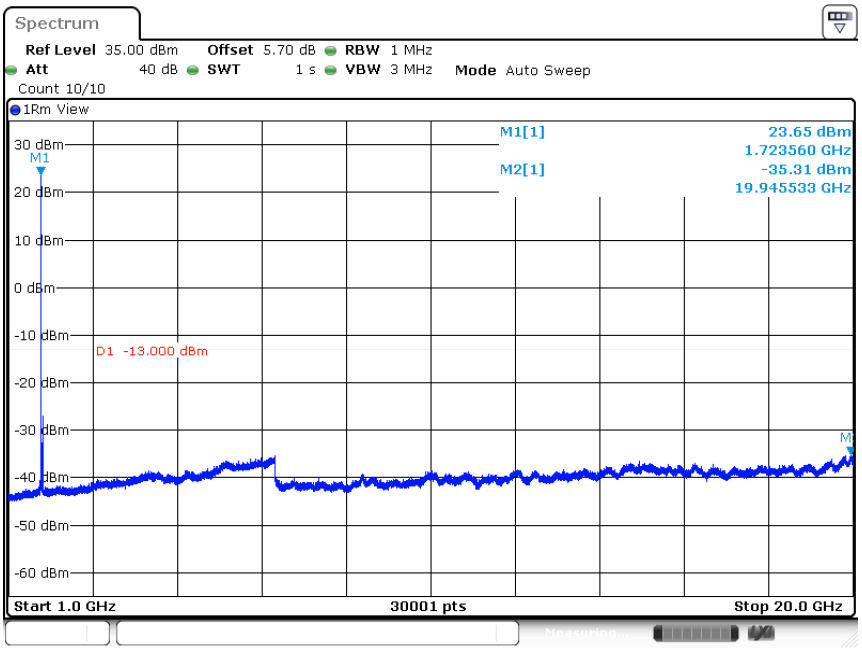
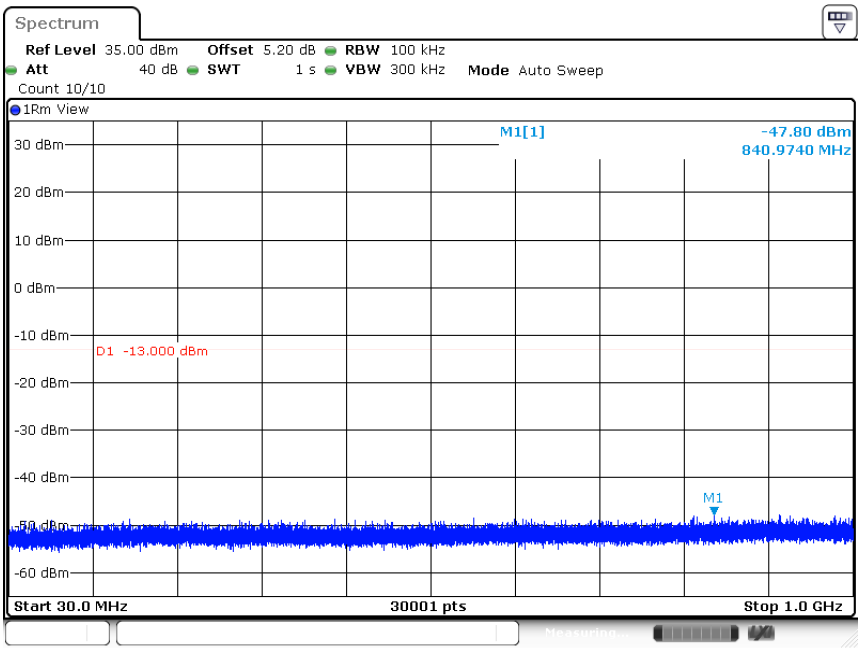
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 4.JAN.2021 22:23:05

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



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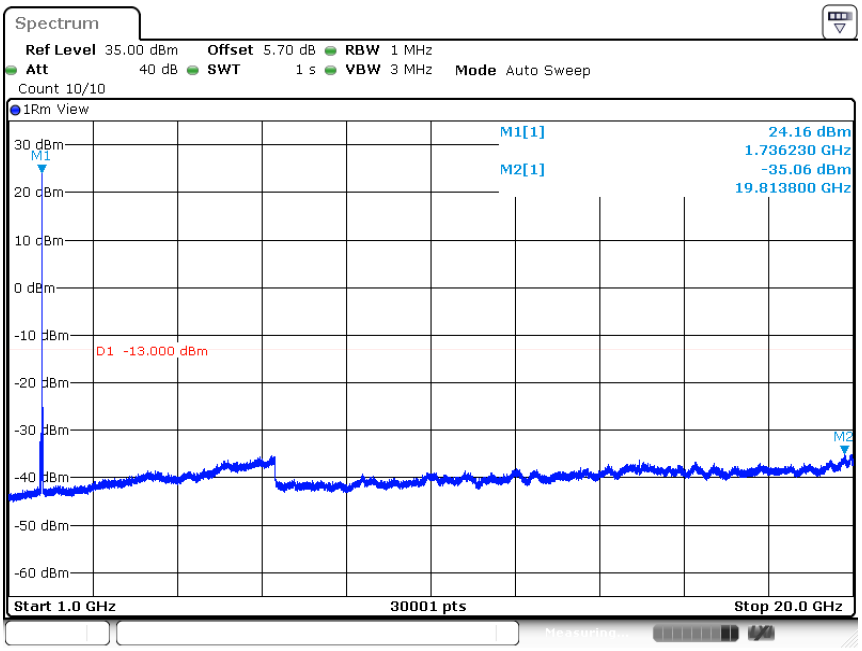
Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_4 _TM1

7.1.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.5693	-63.97	-13.00	50.97	Horizontal
2	249.5220	-65.28	-13.00	52.28	Horizontal
3	3422.5141	-52.62	-13.00	39.62	Horizontal
4	6844.1281	-55.84	-13.00	42.84	Horizontal
5	8555.1852	-47.93	-13.00	34.93	Horizontal
6	16380.446	-43.85	-13.00	30.85	Horizontal

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7.2. Test Band = LTE_4 _TM1

7.2.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	106.4398	-64.84	-13.00	51.84	Vertical
2	623.1847	-63.59	-13.00	50.59	Vertical
3	3422.0141	-54.85	-13.00	41.85	Vertical
4	8555.1852	-50.79	-13.00	37.79	Vertical
5	14504.383	-47.68	-13.00	34.68	Vertical
6	17994.999	-40.39	-13.00	27.39	Vertical

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7.3. Test Band = LTE_4 _TM1

7.3.1. Test Channel = Mid Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.2597	-63.97	-13.00	50.97	Horizontal
2	420.6385	-66.94	-13.00	53.94	Horizontal
3	3447.0149	-54.42	-13.00	41.42	Horizontal
4	6894.6298	-55.56	-13.00	42.56	Horizontal
5	8617.6873	-47.86	-13.00	34.86	Horizontal
6	16393.946	-43.69	-13.00	30.69	Horizontal

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7.4. Test Band = LTE_4 _TM1

7.4.1. Test Channel = Mid Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	107.1674	-64.86	-13.00	51.86	Vertical
2	629.4900	-62.77	-13.00	49.77	Vertical
3	3447.0149	-57.52	-13.00	44.52	Vertical
4	8618.1873	-51.61	-13.00	38.61	Vertical
5	14445.381	-47.97	-13.00	34.97	Vertical
6	17998.500	-40.02	-13.00	27.02	Vertical

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7.5. Test Band = LTE_4 _TM1

7.5.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.6292	-63.56	-13.00	50.56	Horizontal
2	323.3427	-69.28	-13.00	56.28	Horizontal
3	3472.0157	-53.89	-13.00	40.89	Horizontal
4	6944.6315	-55.77	-13.00	42.77	Horizontal
5	8680.1893	-49.32	-13.00	36.32	Horizontal
6	16370.945	-44.22	-13.00	31.22	Horizontal

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7.6. Test Band = LTE_4 _TM1

7.6.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	112.4056	-64.33	-13.00	51.33	Vertical
2	749.3880	-61.75	-13.00	48.75	Vertical
3	3472.0157	-53.88	-13.00	40.88	Vertical
4	8680.1893	-50.86	-13.00	37.86	Vertical
5	14503.383	-47.96	-13.00	34.96	Vertical
6	17995.499	-40.44	-13.00	27.44	Vertical

Remark:

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

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

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

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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-3.60	-0.002093	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-9.30	-0.005407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-10.30	-0.005988	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-9.80	-0.005657	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-13.40	-0.007734	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-9.40	-0.005426	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-4.50	-0.002579	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-5.30	-0.003081	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-8.10	-0.004709	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-6.80	-0.003953	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-1.90	-0.001097	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-3.00	-0.001732	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-9.10	-0.005253	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	2.60	0.001490	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-9.10	-0.005215	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.20	-0.002407	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-10.60	-0.006163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-4.90	-0.002849	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	-6.60	-0.003837	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-7.80	-0.004535	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-7.60	-0.004419	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-8.30	-0.004826	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-5.40	-0.003140	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-8.90	-0.005174	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-3.00	-0.001744	±2.5	PASS

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Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-5.60	-0.003232	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-6.30	-0.003636	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-6.10	-0.003521	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-6.70	-0.003867	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-5.40	-0.003117	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-3.70	-0.002136	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-3.80	-0.002193	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-2.30	-0.001328	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-2.50	-0.001443	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-5.90	-0.003381	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-4.90	-0.002808	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-8.60	-0.004928	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-9.20	-0.005272	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-6.90	-0.003954	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-4.10	-0.002384	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-9.20	-0.005349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	-8.40	-0.004884	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-8.00	-0.004651	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-9.20	-0.005349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-10.50	-0.006105	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-1.90	-0.001105	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-8.00	-0.004651	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-1.90	-0.001105	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-3.10	-0.001789	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-5.00	-0.002886	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-10.60	-0.006118	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-8.60	-0.004964	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-12.50	-0.007215	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	0.70	0.000404	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-5.20	-0.003001	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-4.00	-0.002309	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-1.30	-0.000750	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-8.90	-0.005100	±2.5	PASS

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Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-5.80	-0.003324	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-6.80	-0.003897	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-4.00	-0.002292	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-0.70	-0.000401	±2.5	PASS

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