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	23.57	20.57	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.72	20.72	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.55	20.55	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.69	20.69	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.74	20.74	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.68	20.68	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.68	19.68	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.50	20.50	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.68	20.68	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.51	20.51	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.64	20.64	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.68	20.68	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.63	20.63	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.62	19.62	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.48	20.48	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.50	20.50	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.61	20.61	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.67	20.67	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.60	20.60	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.60	20.60	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.61	19.61	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.83	18.83	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.67	18.67	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.68	18.68	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.74	18.74	30.00	PASS

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Band4	1.4MHz	64QAM	19957	3RB#1	21.77	18.77	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	21.69	18.69	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	20.65	17.65	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.66	18.66	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.63	18.63	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.81	18.81	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.66	18.66	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.64	18.64	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	21.73	18.73	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.55	17.55	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.68	18.68	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.62	18.62	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.56	18.56	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.63	18.63	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	21.69	18.69	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.64	18.64	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.54	17.54	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.87	19.87	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.85	19.85	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.78	19.78	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.70	19.70	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.78	19.78	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.75	19.75	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.75	18.75	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.91	19.91	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.77	19.77	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.76	19.76	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.69	19.69	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.76	19.76	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.68	19.68	30.00	PASS

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Band4	1.4MHz	16QAM	20175	6RB#0	21.67	18.67	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.70	19.70	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.80	19.80	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.71	19.71	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.66	19.66	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.74	19.74	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.68	19.68	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.66	18.66	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.62	20.62	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.61	20.61	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.58	20.58	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.66	19.66	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.63	19.63	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.63	19.63	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.63	19.63	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.59	20.59	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.61	20.61	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.57	20.57	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.63	19.63	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.63	19.63	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.64	19.64	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.61	19.61	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.57	20.57	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.55	20.55	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.56	20.56	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.64	19.64	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.61	19.61	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.61	19.61	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.60	19.60	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.74	18.74	30.00	PASS

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Band4	3MHz	64QAM	19965	1RB#14	21.66	18.66	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.62	17.62	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.62	17.62	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.58	17.58	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.61	17.61	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.74	18.74	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.71	18.71	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	21.73	18.73	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.57	17.57	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.57	17.57	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.60	17.60	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.54	17.54	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.64	18.64	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.64	18.64	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.71	18.71	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.54	17.54	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.54	17.54	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.59	17.59	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.51	17.51	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.91	19.91	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.83	19.83	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.91	19.91	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.67	18.67	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.70	18.70	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.68	18.68	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.61	18.61	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.87	19.87	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.85	19.85	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.83	19.83	30.00	PASS

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Band4	3MHz	16QAM	20175	8RB#7	21.66	18.66	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.70	18.70	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.56	18.56	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.87	19.87	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.73	19.73	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.80	19.80	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.65	18.65	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.62	18.62	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.65	18.65	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.56	18.56	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.71	20.71	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.48	20.48	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.51	20.51	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.62	19.62	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.70	19.70	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.65	19.65	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.63	19.63	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.48	20.48	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.75	20.75	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.47	20.47	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.61	19.61	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.69	19.69	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.66	19.66	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.62	19.62	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.43	20.43	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.44	20.44	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.76	20.76	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.58	19.58	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.61	19.61	30.00	PASS

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Band4	5MHz	QPSK	20375	12RB#6	22.65	19.65	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.60	19.60	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.60	18.60	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.64	18.64	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.83	18.83	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.57	17.57	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.64	17.64	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.56	17.56	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.58	17.58	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.57	18.57	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.83	18.83	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.58	18.58	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.62	17.62	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	20.55	17.55	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.53	17.53	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.56	17.56	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.80	18.80	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.52	18.52	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.51	18.51	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.52	17.52	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.56	17.56	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.53	17.53	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.53	17.53	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.72	19.72	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.76	19.76	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.99	19.99	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.62	18.62	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.71	18.71	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.65	18.65	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.66	18.66	30.00	PASS

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Band4	5MHz	16QAM	20175	1RB#12	23.04	20.04	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.77	19.77	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.76	19.76	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.69	18.69	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.60	18.60	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.61	18.61	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.60	18.60	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.68	19.68	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.67	19.67	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.88	19.88	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.59	18.59	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.59	18.59	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.64	18.64	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.59	18.59	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.73	20.73	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.57	20.57	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.60	20.60	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.67	19.67	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.69	19.69	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.72	19.72	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.67	19.67	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.71	20.71	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.56	20.56	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.55	20.55	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.62	19.62	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.66	19.66	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.70	19.70	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.67	19.67	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.54	20.54	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.54	20.54	30.00	PASS

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Band4	10MHz	QPSK	20350	1RB#24	23.66	20.66	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.66	19.66	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.68	19.68	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.61	19.61	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.66	19.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.69	18.69	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.85	18.85	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.65	18.65	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.62	17.62	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.66	17.66	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.61	17.61	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.60	17.60	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.79	18.79	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.61	18.61	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.64	18.64	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.60	17.60	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.62	17.62	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.60	17.60	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.60	17.60	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.73	18.73	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.63	18.63	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.59	18.59	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.63	17.63	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.59	17.59	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.54	17.54	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.60	17.60	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.77	19.77	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.94	19.94	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.80	19.80	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.65	18.65	30.00	PASS

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Band4	10MHz	16QAM	20000	25RB#12	21.70	18.70	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.72	18.72	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.66	18.66	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.72	19.72	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.01	20.01	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.86	19.86	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.61	18.61	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.64	18.64	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.70	18.70	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.64	18.64	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.78	19.78	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.83	19.83	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.79	19.79	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.64	18.64	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.63	18.63	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.60	18.60	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.63	18.63	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.62	20.62	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.52	20.52	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.56	20.56	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.64	19.64	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.68	19.68	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.70	19.70	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.67	19.67	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.61	20.61	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.48	20.48	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.51	20.51	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.65	19.65	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.64	19.64	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.62	19.62	30.00	PASS

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Band4	15MHz	QPSK	20175	75RB#0	22.62	19.62	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.49	20.49	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.44	20.44	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.57	20.57	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.62	19.62	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.59	19.59	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.63	19.63	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.60	19.60	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.56	18.56	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.74	18.74	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.59	18.59	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.56	17.56	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.62	17.62	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.61	17.61	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.59	17.59	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.54	18.54	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.60	18.60	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.71	18.71	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.54	17.54	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.51	17.51	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.53	17.53	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.54	17.54	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.60	18.60	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.64	18.64	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.53	18.53	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#18	20.54	17.54	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.51	17.51	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.50	17.50	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.50	17.50	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.90	19.90	30.00	PASS

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Band4	15MHz	16QAM	20025	1RB#38	22.78	19.78	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.73	19.73	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.60	18.60	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.67	18.67	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.64	18.64	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.66	18.66	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.66	19.66	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.88	19.88	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.75	19.75	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.54	18.54	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.62	18.62	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.60	18.60	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.63	18.63	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.71	19.71	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.83	19.83	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.67	19.67	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.53	18.53	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.58	18.58	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.59	18.59	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.59	18.59	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.68	20.68	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.48	20.48	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.60	19.60	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.67	19.67	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.68	19.68	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.64	19.64	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.44	20.44	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.72	20.72	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.42	20.42	30.00	PASS

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Band4	20MHz	QPSK	20175	50RB#25	22.65	19.65	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.55	19.55	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.62	19.62	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.59	19.59	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.40	20.40	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.65	20.65	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.63	19.63	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.65	19.65	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.54	19.54	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.58	19.58	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.61	18.61	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.80	18.80	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.54	18.54	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.61	17.61	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.61	17.61	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.54	17.54	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.57	17.57	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.72	18.72	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.44	18.44	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.53	18.53	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.57	17.57	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.50	17.50	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.57	17.57	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.51	17.51	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.45	18.45	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.47	18.47	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	21.69	18.69	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.45	17.45	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.57	17.57	30.00	PASS

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Band4	20MHz	64QAM	20300	50RB#0	20.55	17.55	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.49	17.49	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.93	19.93	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.66	19.66	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.74	19.74	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.66	18.66	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.65	18.65	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.59	18.59	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.66	18.66	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.72	19.72	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.86	19.86	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.61	19.61	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.63	18.63	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.57	18.57	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.61	18.61	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.58	18.58	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.65	19.65	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.55	19.55	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.86	19.86	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.59	18.59	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.52	18.52	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.63	18.63	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.54	18.54	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	5.36	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.13	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.19	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.41	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.29	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.35	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.12	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.00	13	PASS

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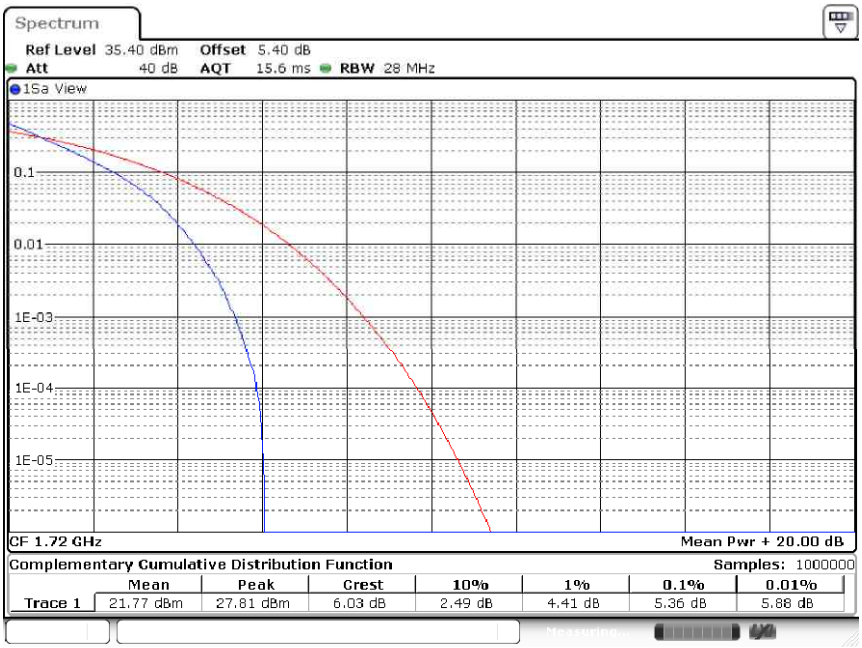
2.2. Test Plots

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



Date: 23.JUN.2020 11:52:31

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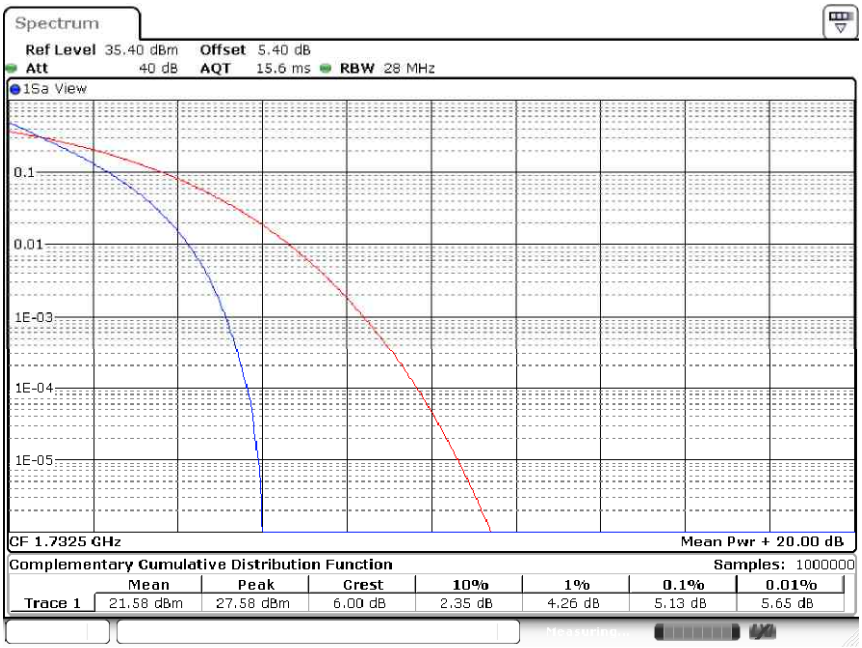
Band4-20MHz-QPSK-20175-100RB#0



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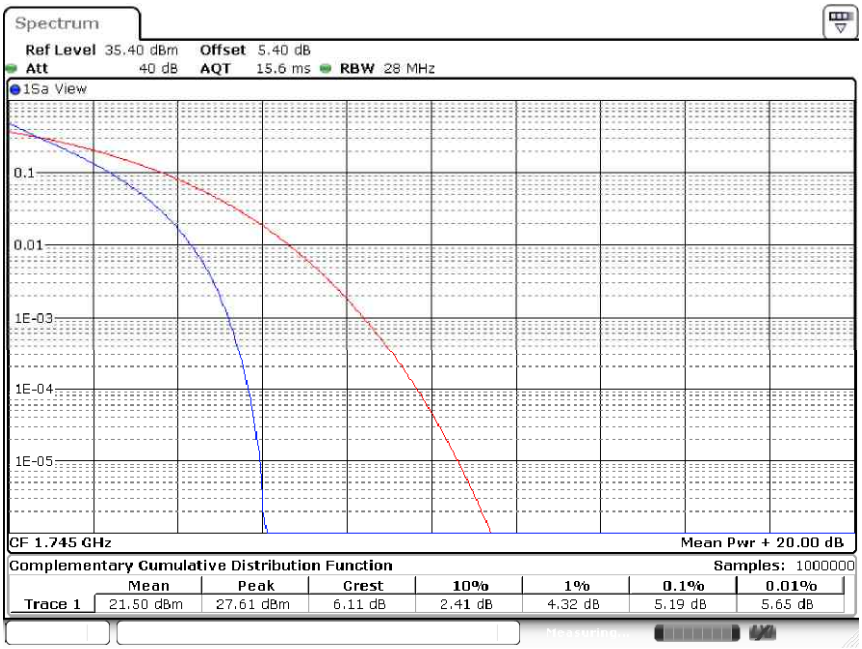
Band4-20MHz-QPSK-20300-100RB#0



Date: 23.JUN.2020 11:53:16

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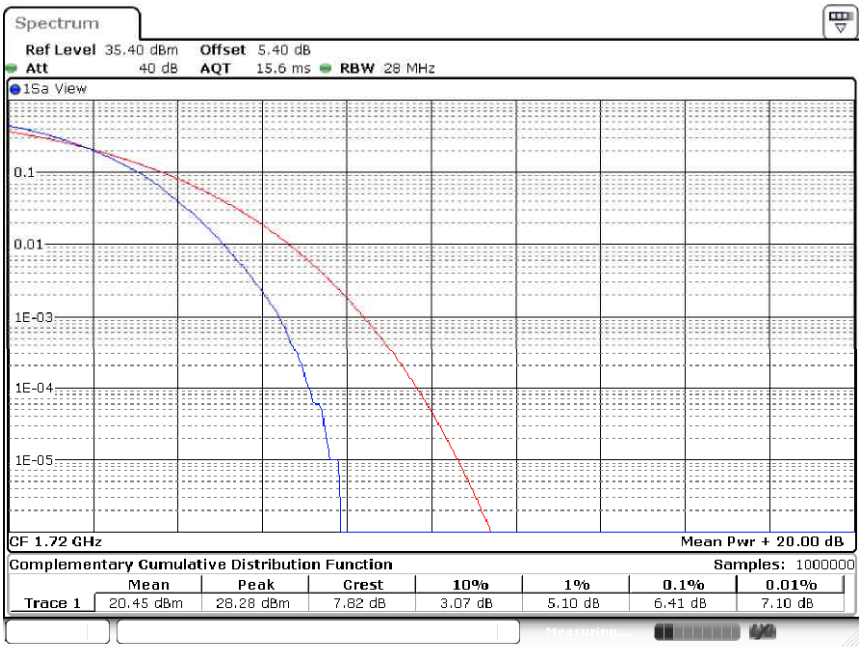
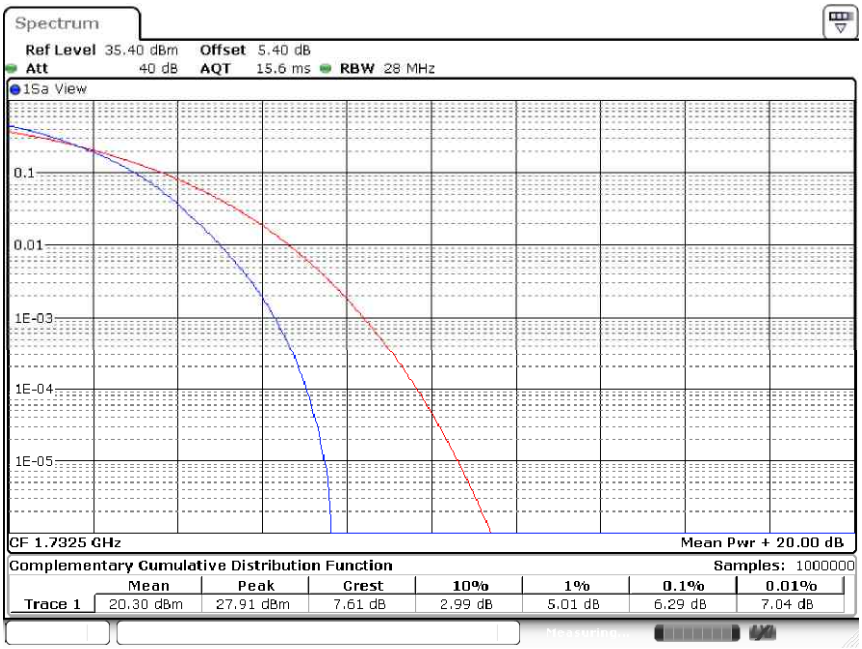
Band4-20MHz-64QAM-20050-100RB#0



Date: 24.JUN.2020 02:14:04

Band4-20MHz-64QAM-20175-100RB#0



Date: 24.JUN.2020 02:14:16

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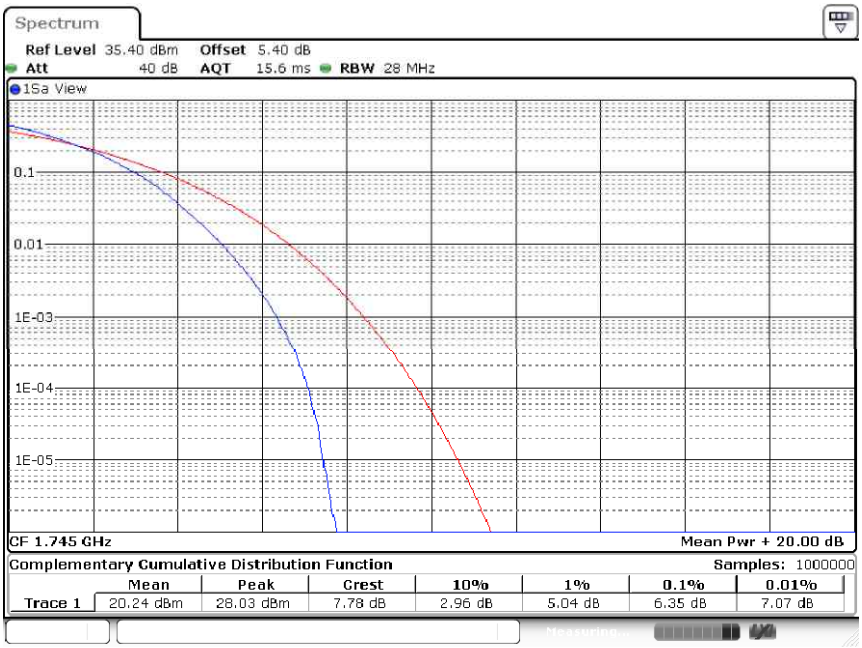
Band4-20MHz-64QAM-20300-100RB#0



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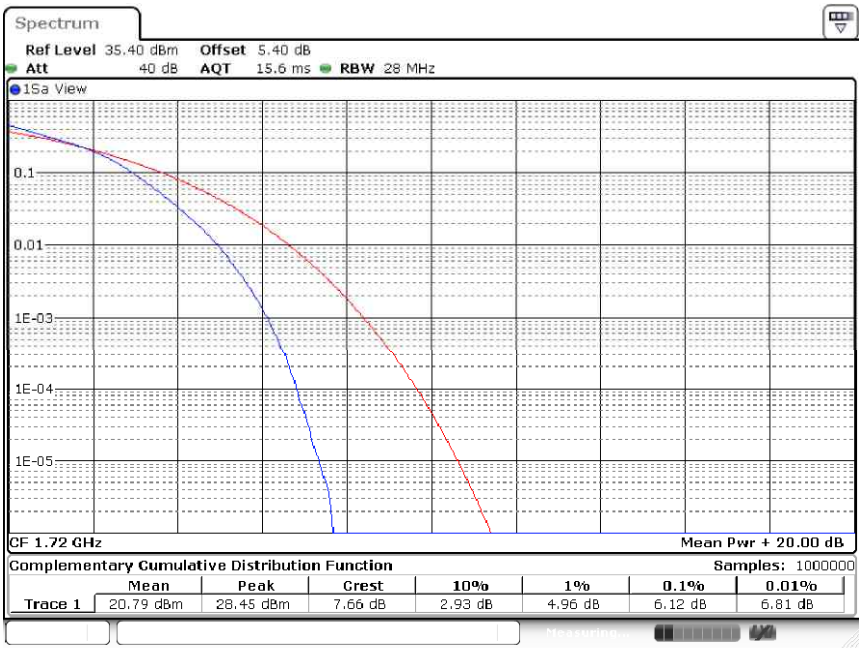
Band4-20MHz-16QAM-20050-100RB#0



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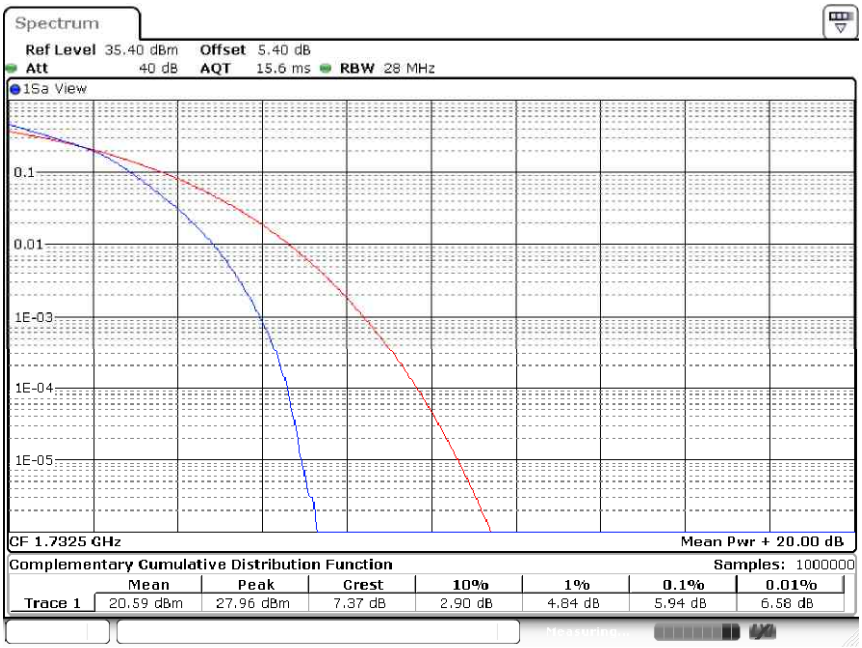
Band4-20MHz-16QAM-20175-100RB#0



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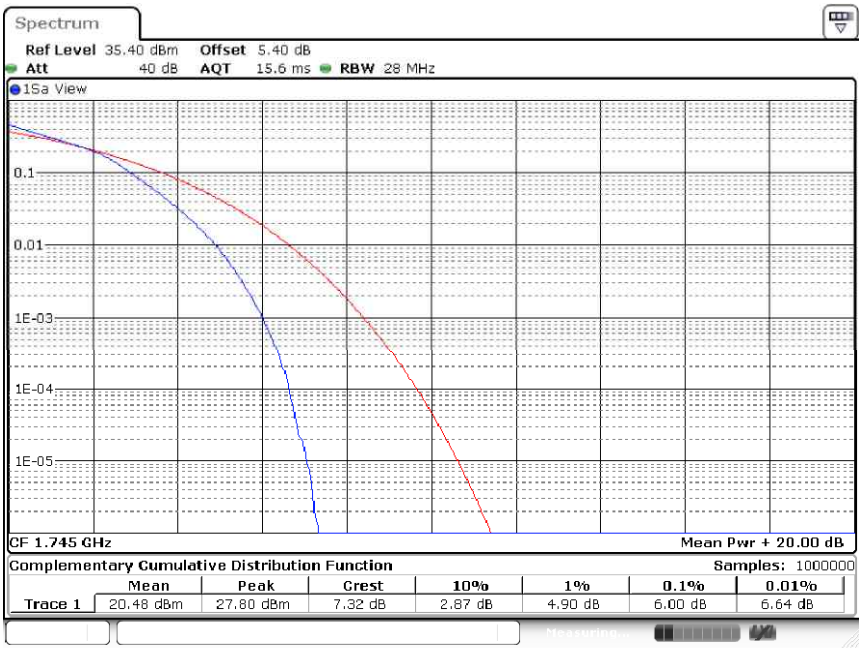
Band4-20MHz-16QAM-20300-100RB#0



Date: 23.JUN.2020 11:53:27

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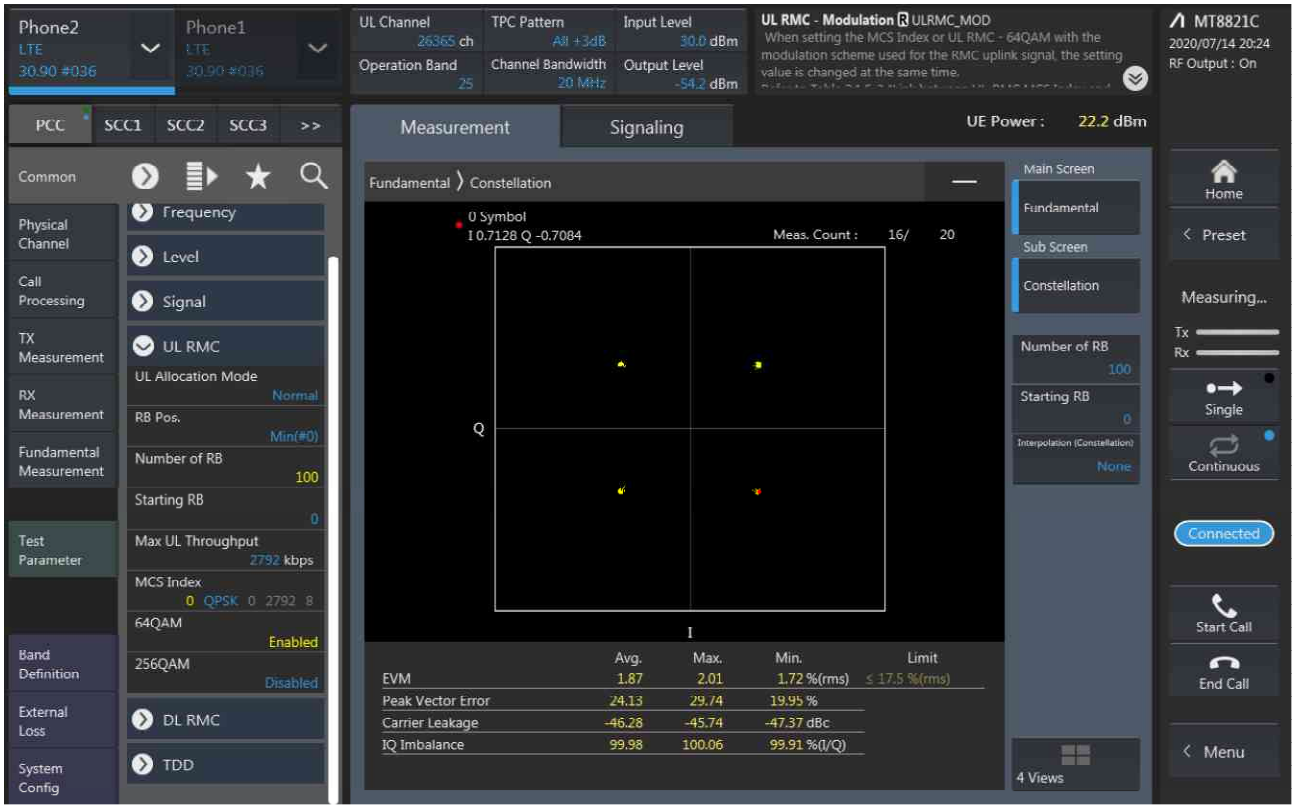
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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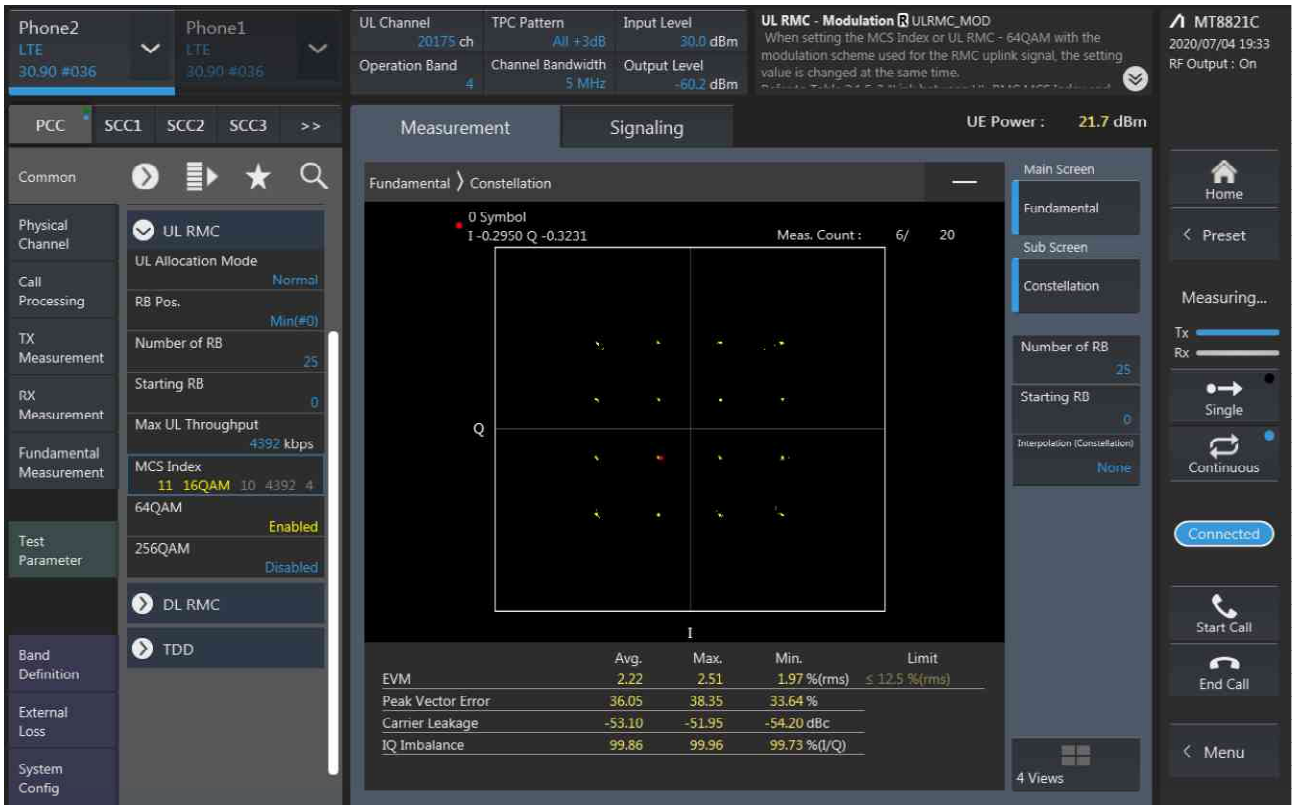
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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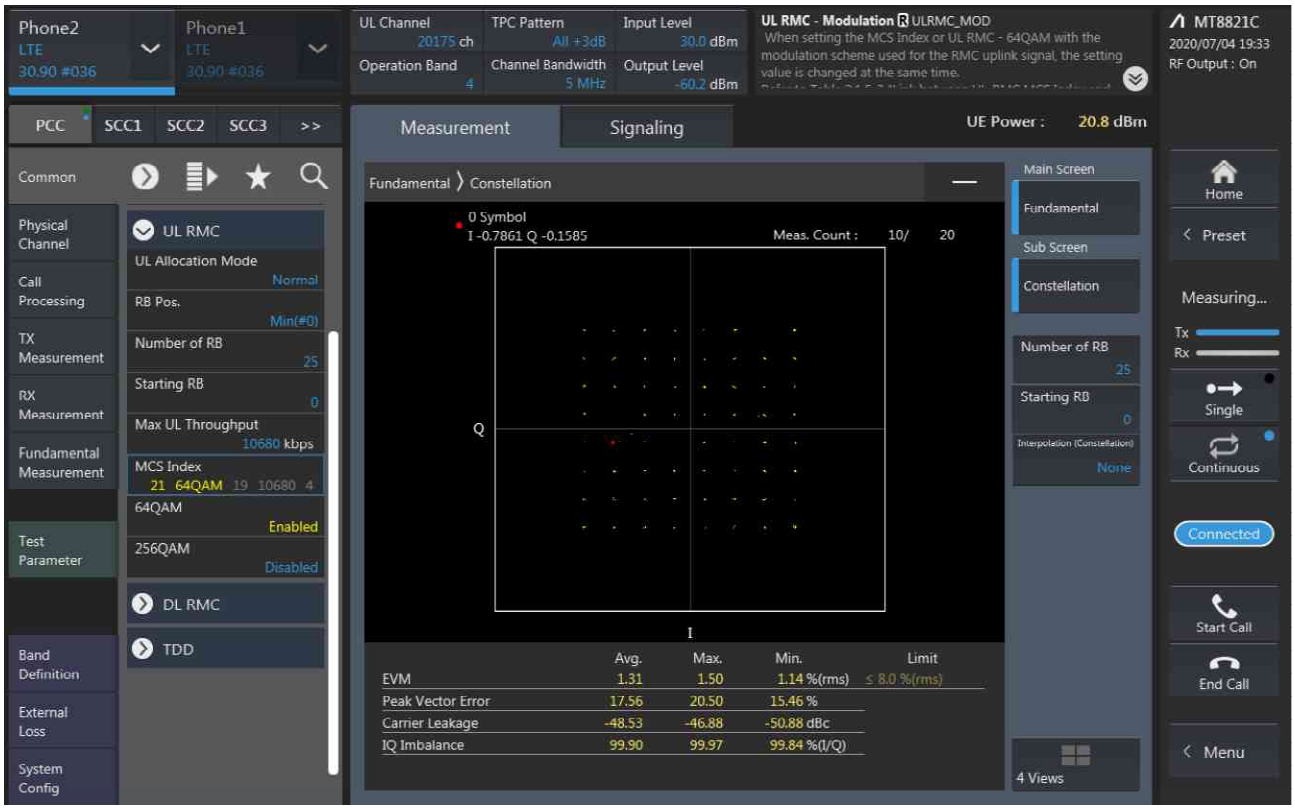
3.3. Test Mode = LTE /TM3 20MHz

3.3.1.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	1.293	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.281	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.287	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.275	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.094	1.257	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.278	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.088	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.097	1.290	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.293	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.916	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.928	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.691	2.916	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	2.916	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.679	2.910	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.673	2.904	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.673	2.904	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	4.840	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.830	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.790	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.466	4.830	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.830	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.830	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.860	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.860	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	4.860	PASS

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Band4	10MHz	QPSK	20000	50RB#0	8.931	9.620	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.600	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.560	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.600	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.931	9.560	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.911	9.560	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.620	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.660	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.951	9.620	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.610	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.610	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.730	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.457	14.640	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.670	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.790	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.640	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.490	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.730	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.320	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.822	19.320	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.200	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.240	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.280	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.862	19.320	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.240	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.280	PASS

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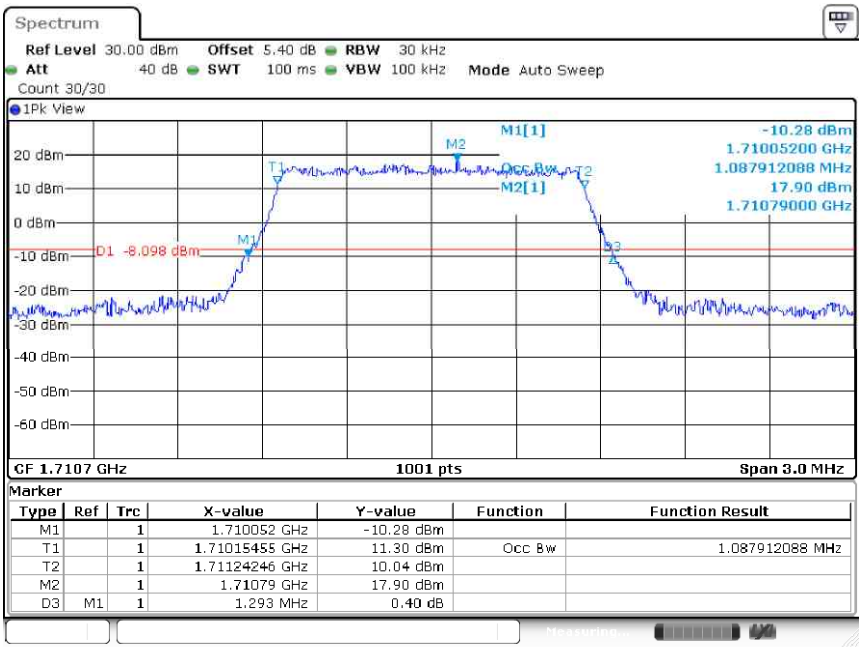
4.2. Test Plots

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



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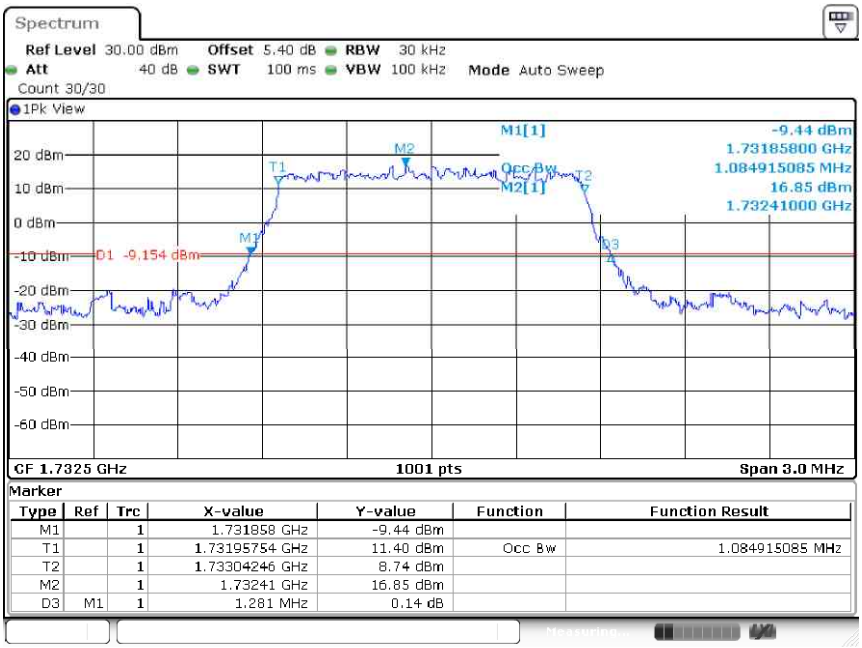
Band4-1.4MHz-QPSK-20175-6RB#0-1.085

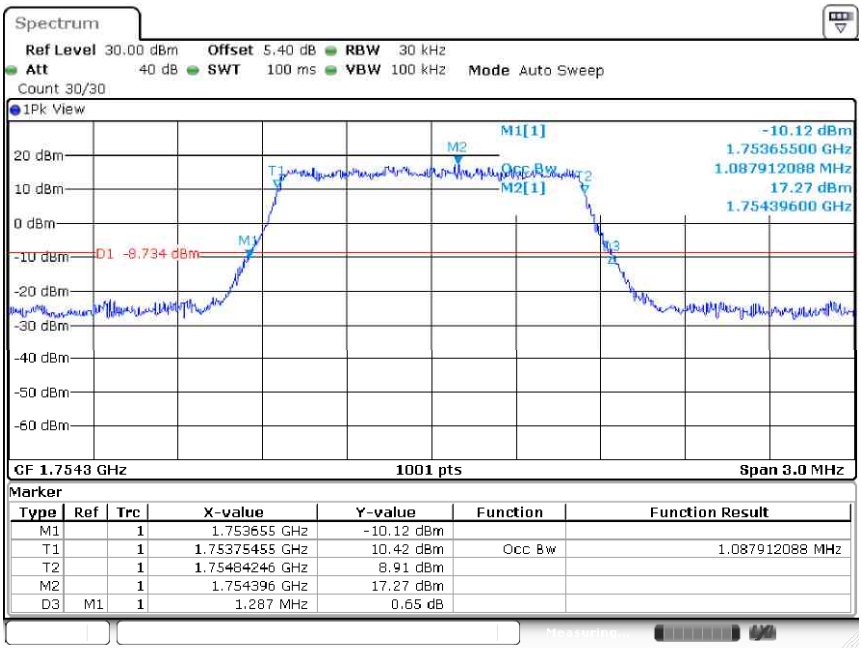


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731858 GHz	-9.44 dBm		
T1		1	1.73195754 GHz	11.40 dBm	Occ Bw	1.084915085 MHz
T2		1	1.73304246 GHz	8.74 dBm		
M2		1	1.73241 GHz	16.85 dBm		
D3	M1	1	1.281 MHz	0.14 dB		

Date: 23.JUN.2020 11:23:03

Band4-1.4MHz-QPSK-20393-6RB#0-1.088



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753655 GHz	-10.12 dBm		
T1		1	1.75375455 GHz	10.42 dBm	Occ Bw	1.087912088 MHz
T2		1	1.75484246 GHz	8.91 dBm		
M2		1	1.754396 GHz	17.27 dBm		
D3	M1	1	1.287 MHz	0.65 dB		

Date: 23.JUN.2020 11:23:29

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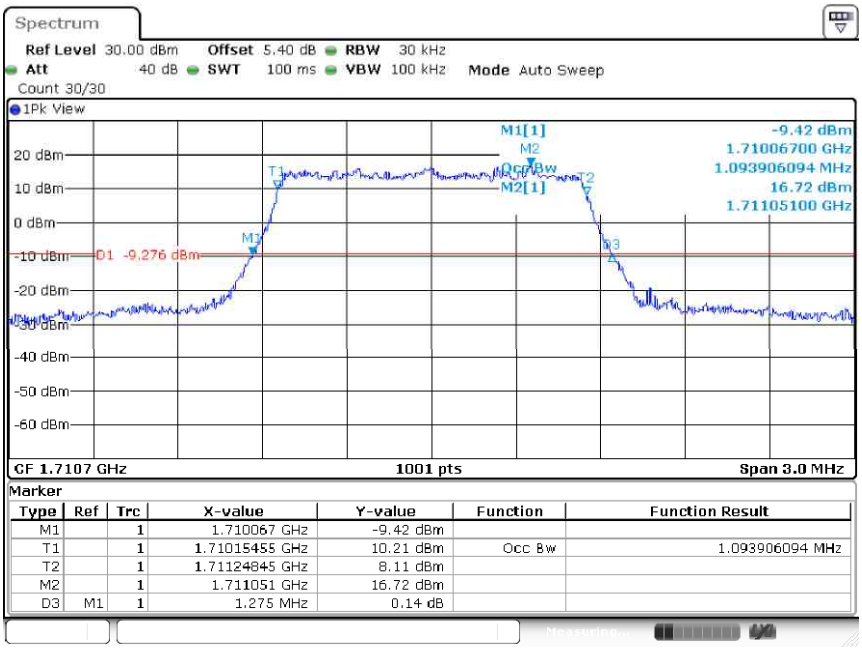
Band4-1.4MHz-64QAM-19957-6RB#0-1.094



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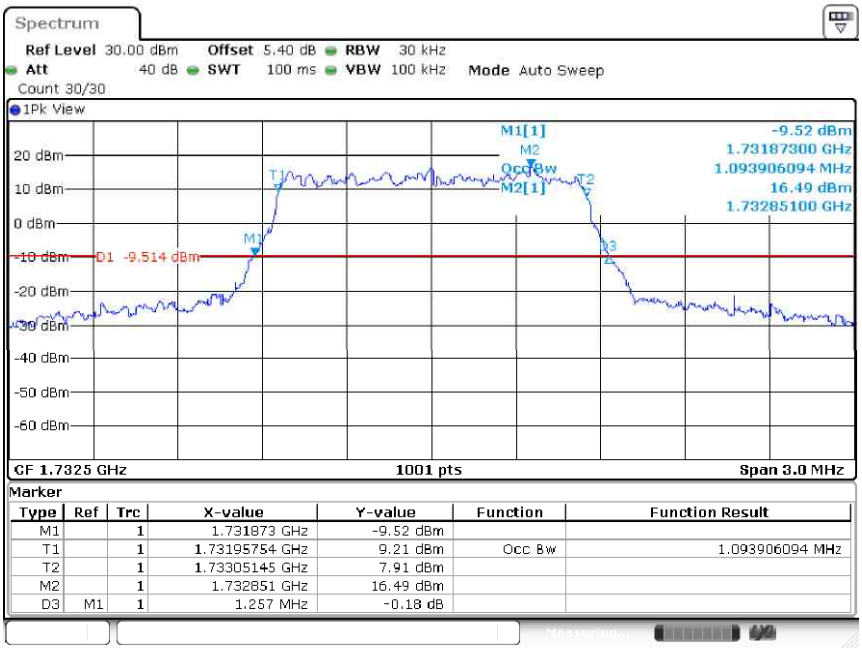

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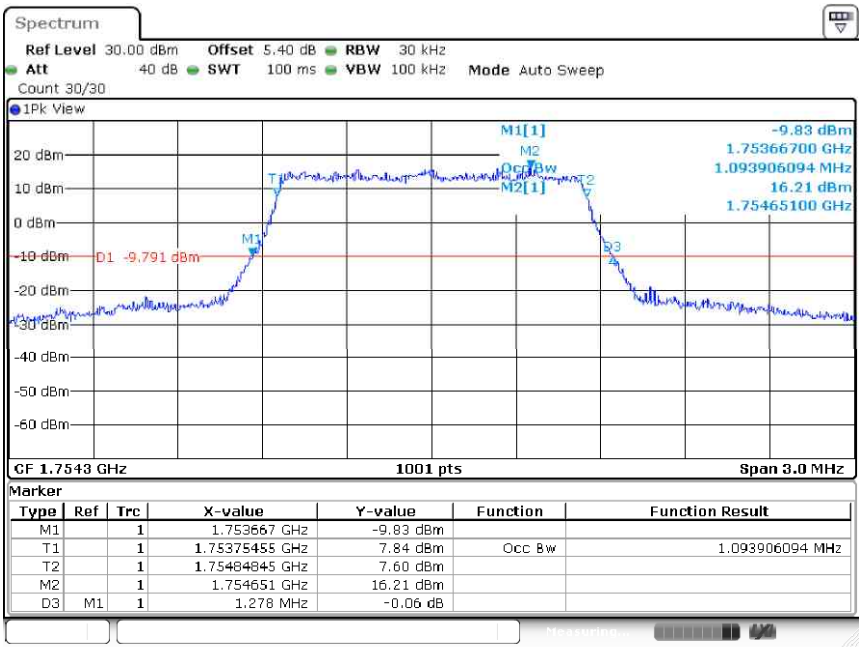
Band4-1.4MHz-64QAM-20393-6RB#0-1.094



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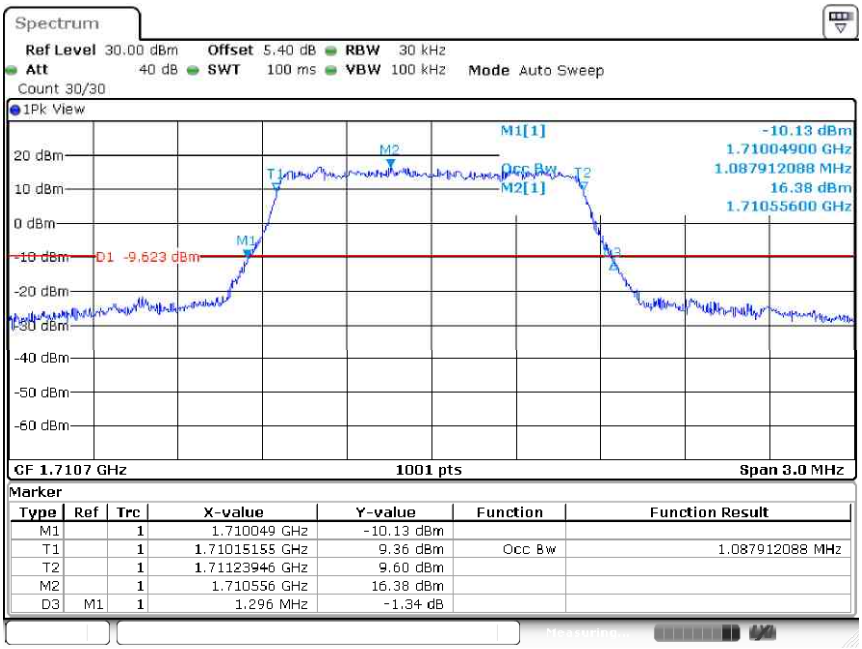

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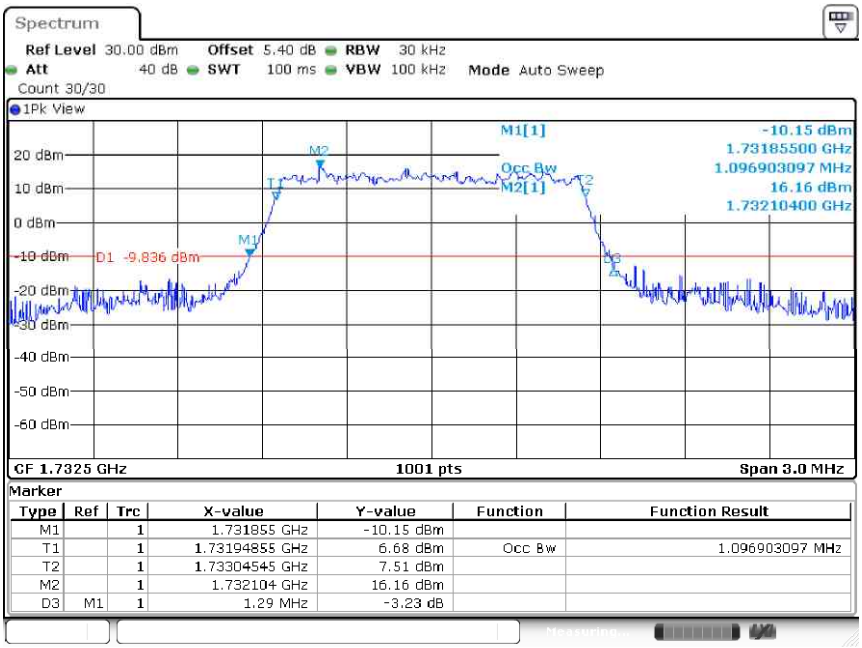
Band4-1.4MHz-16QAM-20175-6RB#0-1.097



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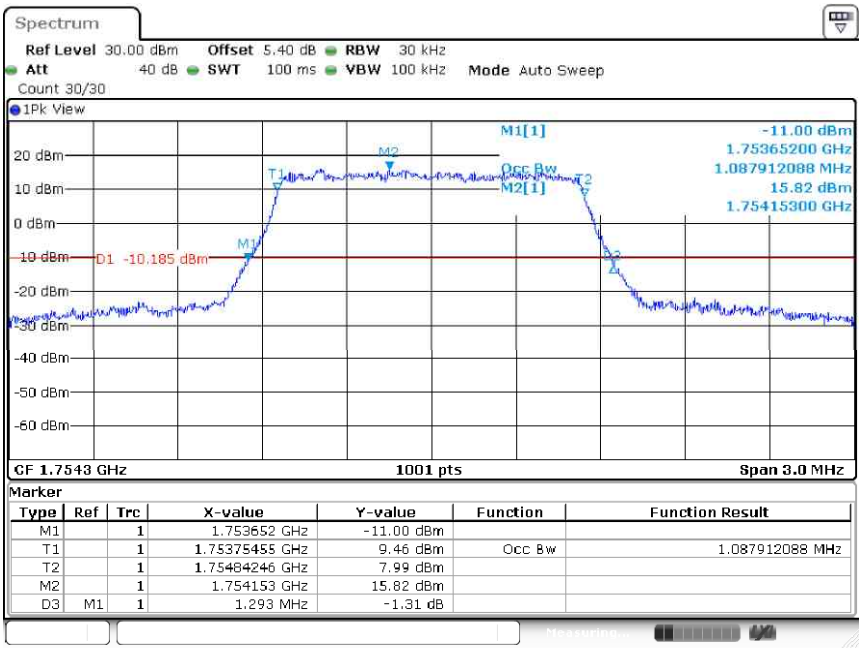

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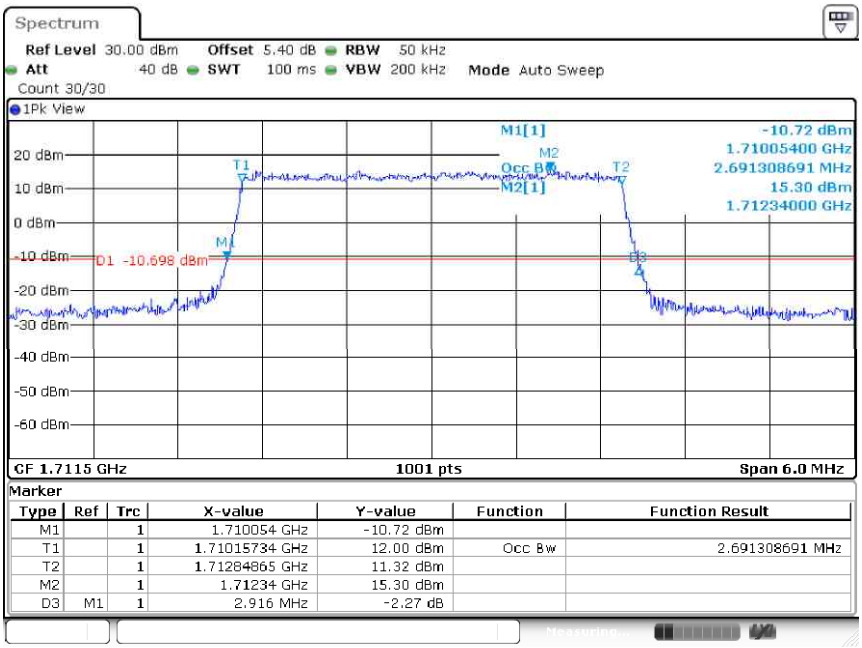
Band4-3MHz-QPSK-19965-15RB#0-2.691



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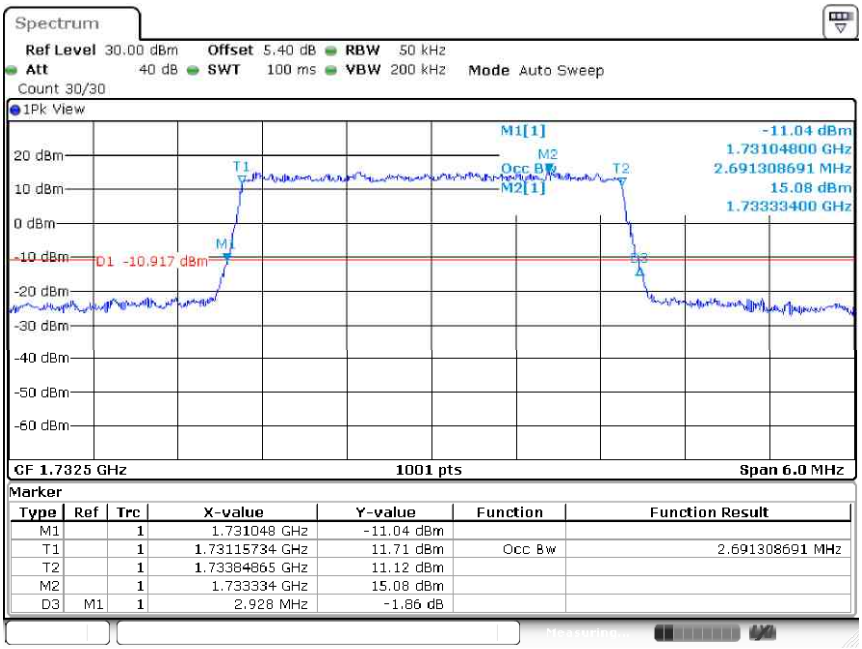
Band4-3MHz-QPSK-20175-15RB#0-2.691



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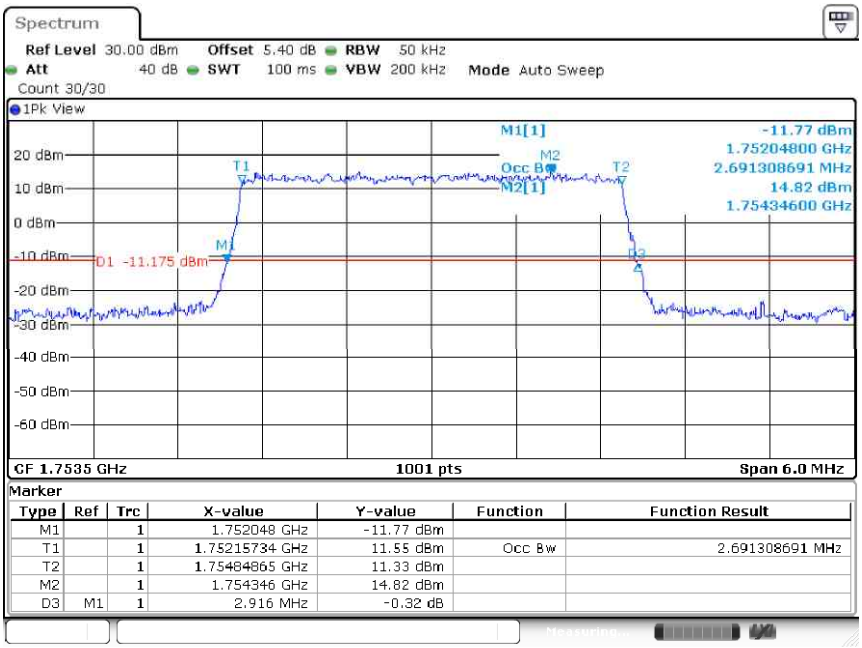
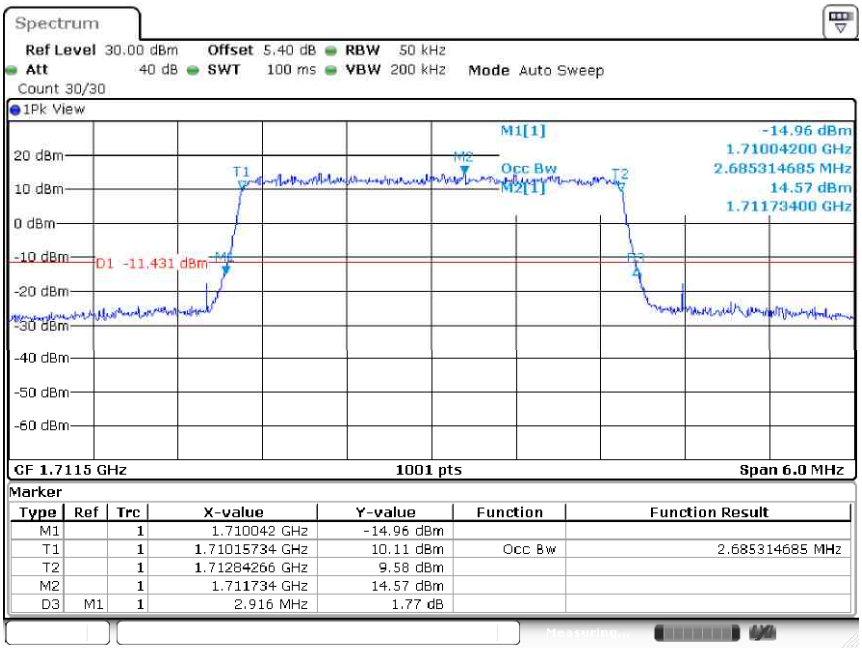
Band4-3MHz-QPSK-20385-15RB#0-2.691



Band4-3MHz-64QAM-19965-15RB#0-2.685



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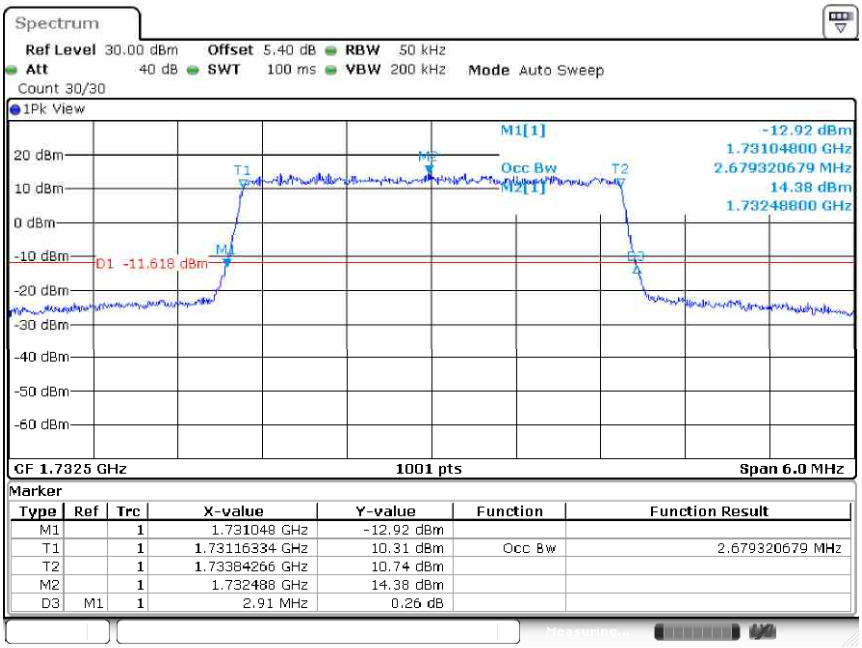
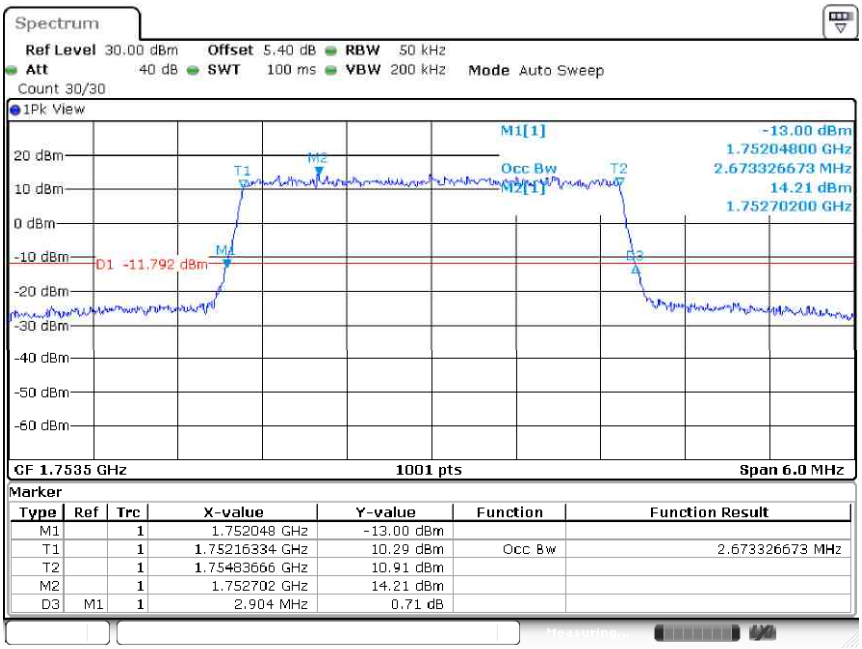
Band4-3MHz-64QAM-20175-15RB#0-2.679



Date: 24.JUN.2020 01:59:15

Band4-3MHz-64QAM-20385-15RB#0-2.673



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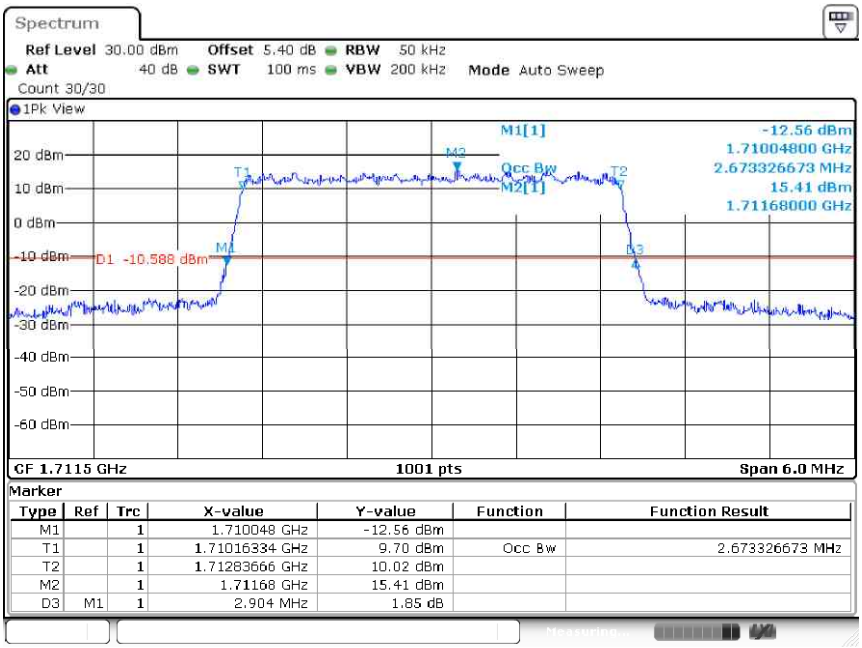
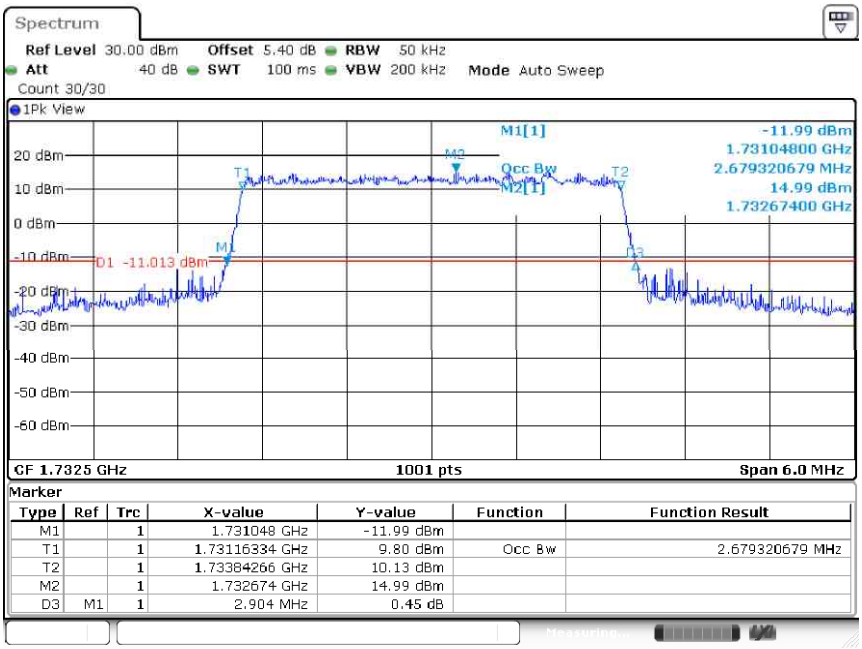
Band4-3MHz-16QAM-19965-15RB#0-2.673



Date: 23.JUN.2020 11:24:12

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



Date: 23.JUN.2020 11:24:38

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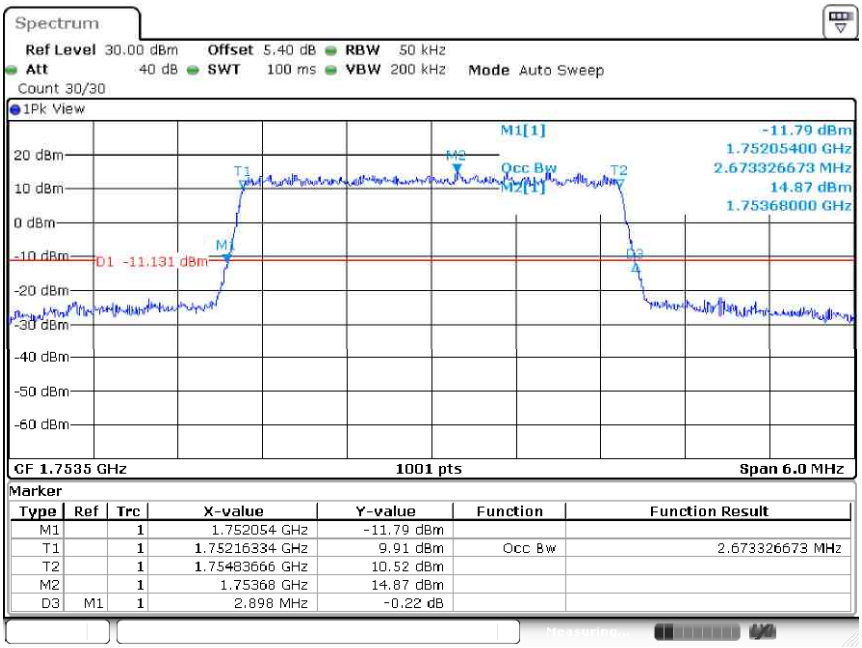
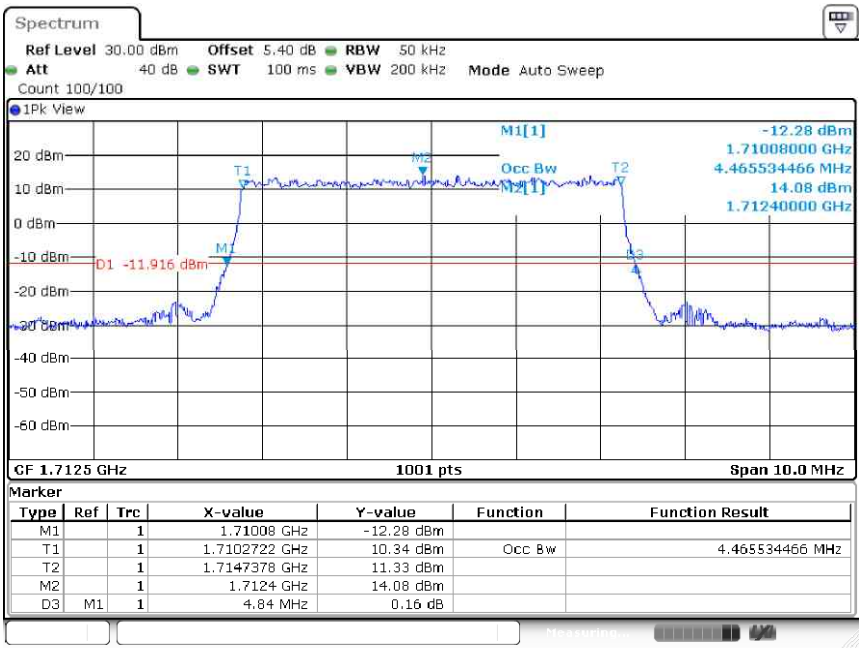
Band4-3MHz-16QAM-20385-15RB#0-2.673



Date: 23.JUN.2020 11:25:04

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



Date: 23.JUN.2020 11:25:29

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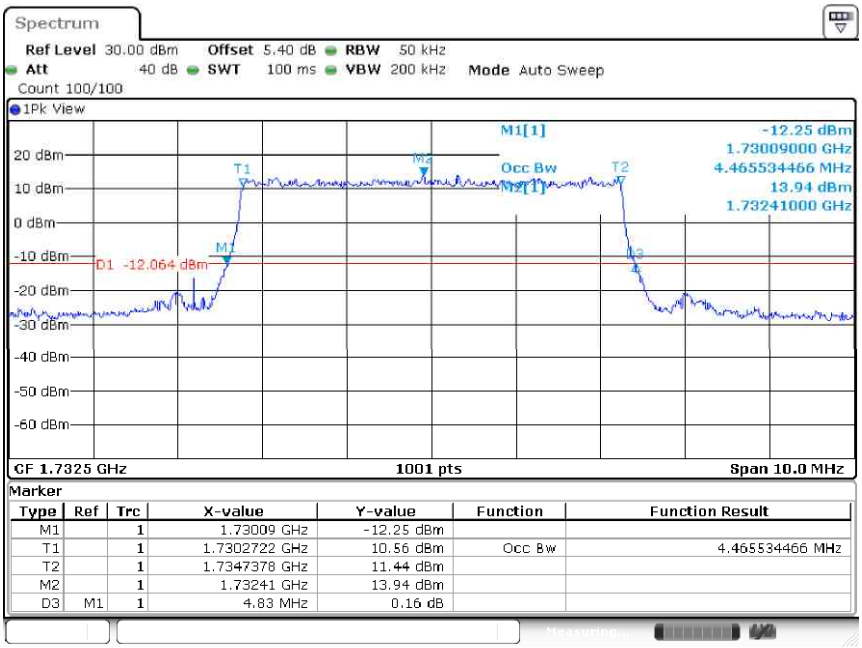
Band4-5MHz-QPSK-20175-25RB#0-4.466



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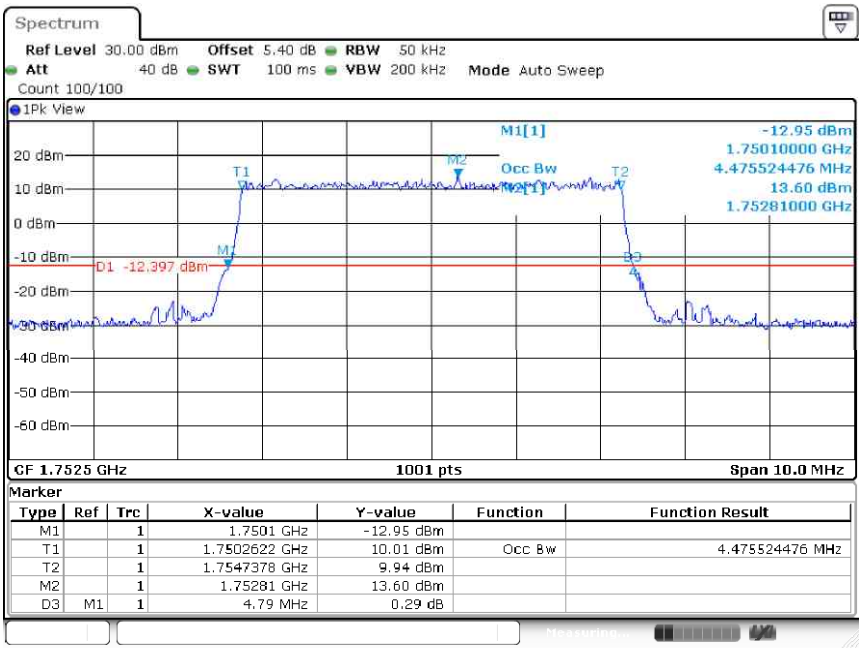
Band4-5MHz-QPSK-20375-25RB#0-4.476



Date: 23.JUN.2020 11:26:49

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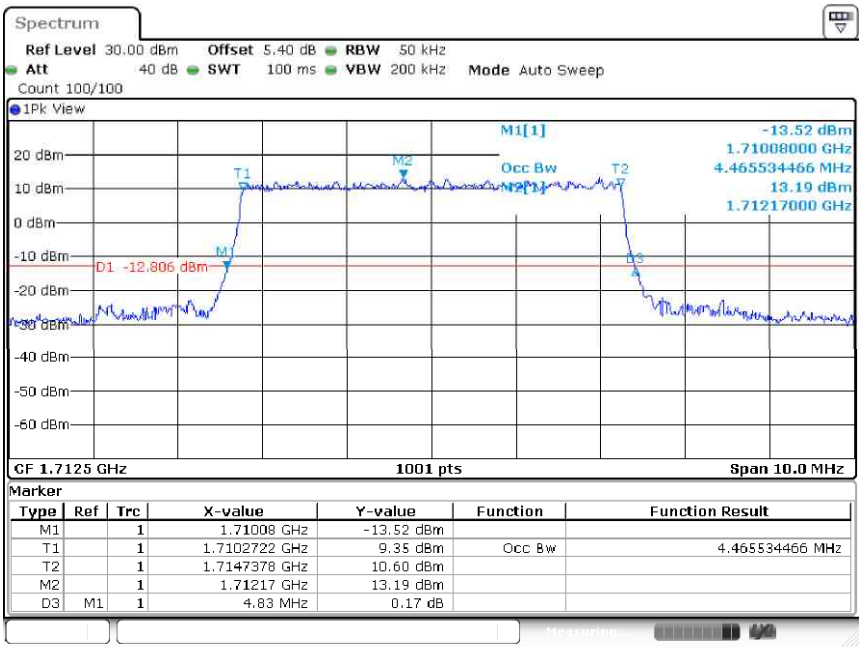
Band4-5MHz-64QAM-19975-25RB#0-4.466

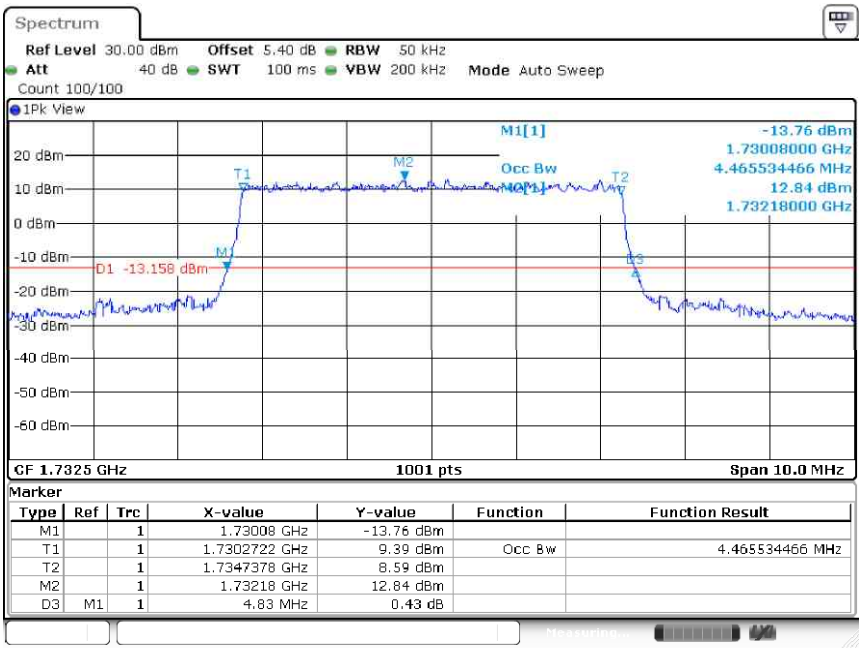


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71008 GHz	-13.52 dBm		
T1		1	1.7102722 GHz	9.35 dBm	Occ Bw	4.465534466 MHz
T2		1	1.7147378 GHz	10.60 dBm		
M2		1	1.71217 GHz	13.19 dBm		
D3	M1	1	4.83 MHz	0.17 dB		

Date: 24.JUN.2020 01:59:53

Band4-5MHz-64QAM-20175-25RB#0-4.466



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73008 GHz	-13.76 dBm		
T1		1	1.7302722 GHz	9.39 dBm	Occ Bw	4.465534466 MHz
T2		1	1.7347378 GHz	8.59 dBm		
M2		1	1.73218 GHz	12.84 dBm		
D3	M1	1	4.83 MHz	0.43 dB		

Date: 24.JUN.2020 02:00:14

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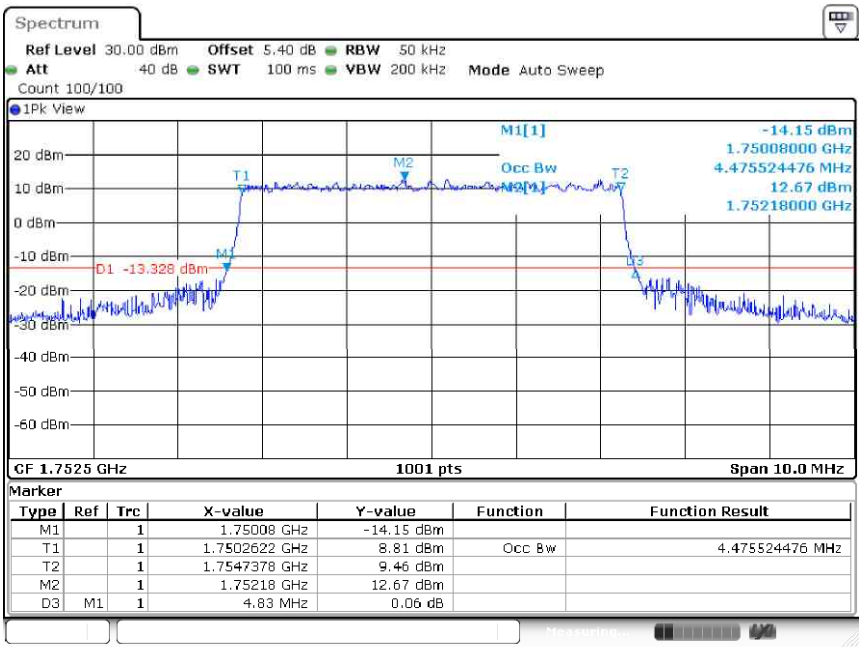
Band4-5MHz-64QAM-20375-25RB#0-4.476



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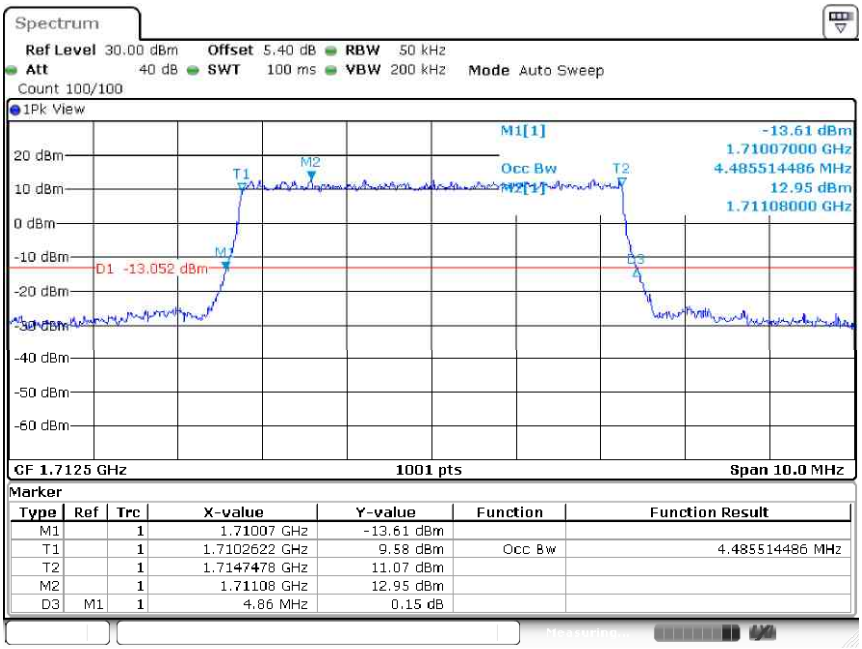
Band4-5MHz-16QAM-19975-25RB#0-4.486



Date: 23.JUN.2020 11:25:49

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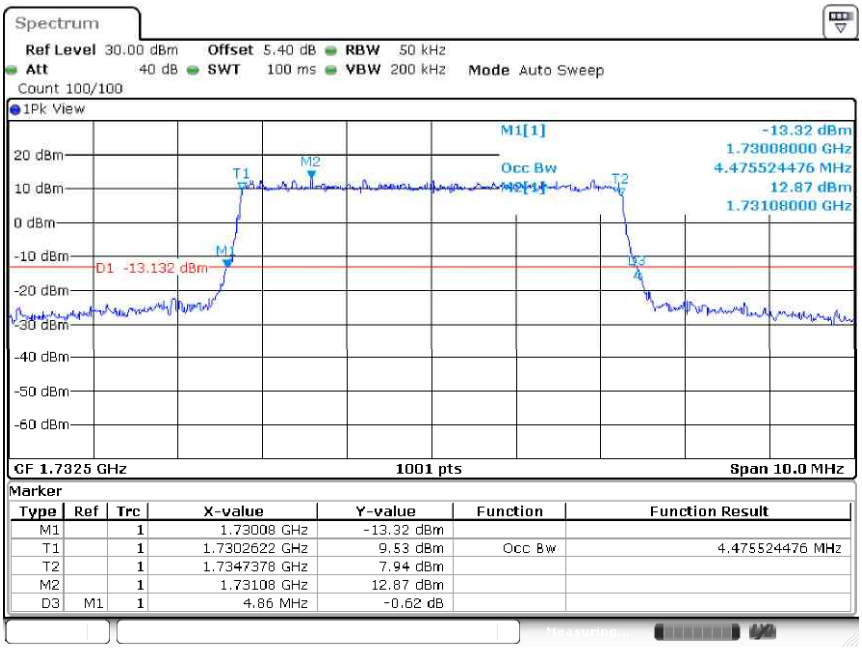
Band4-5MHz-16QAM-20175-25RB#0-4.476



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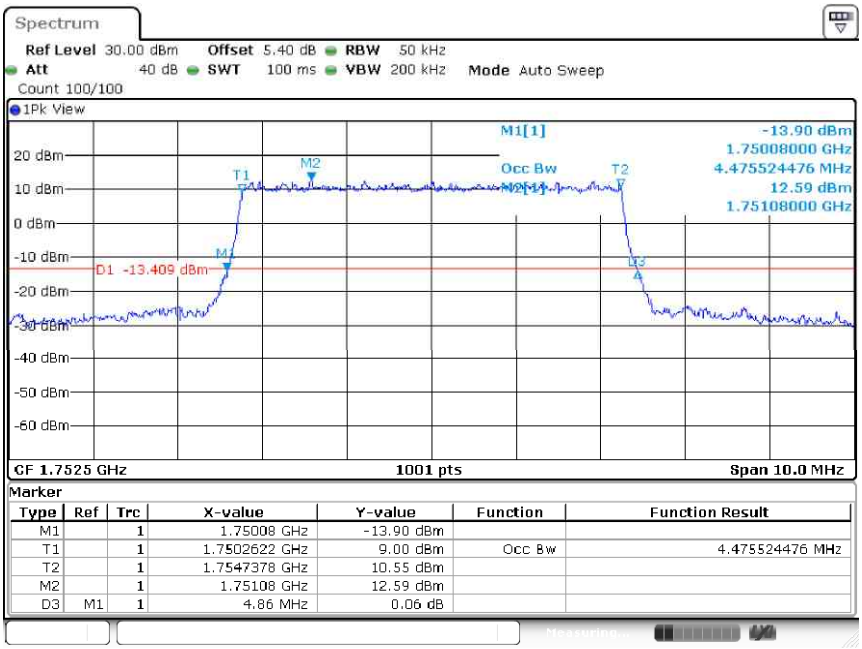
Band4-5MHz-16QAM-20375-25RB#0-4.476



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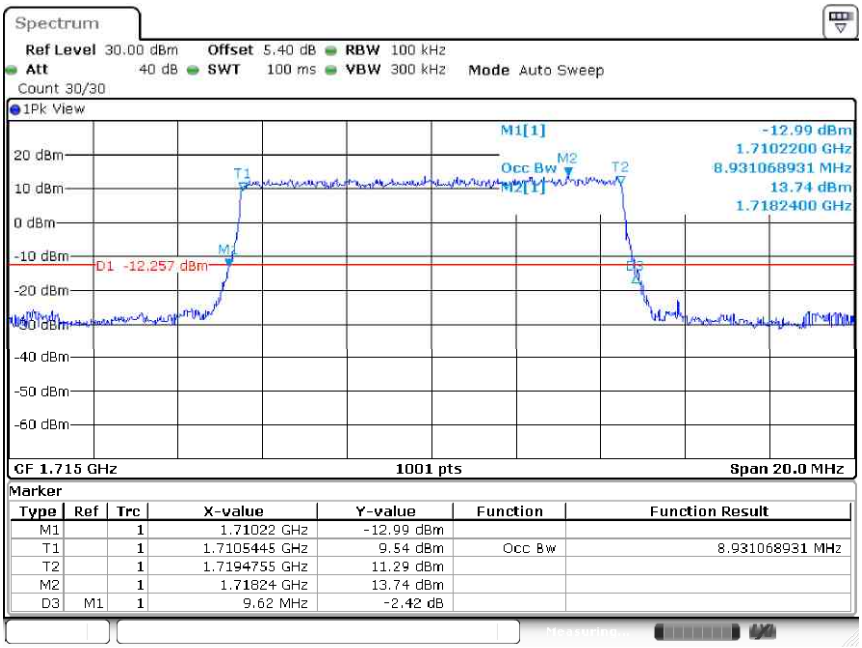
Band4-10MHz-QPSK-20000-50RB#0-8.931



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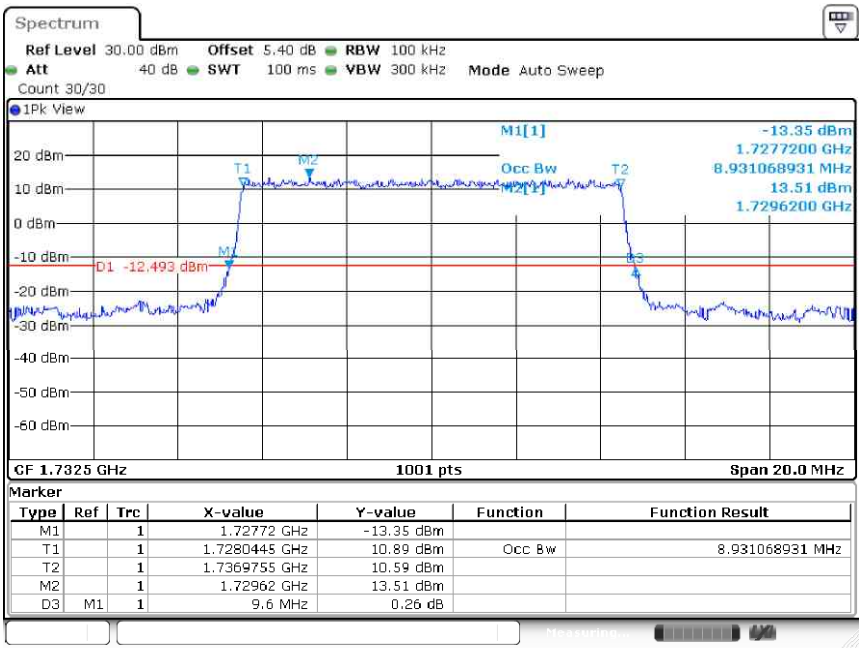

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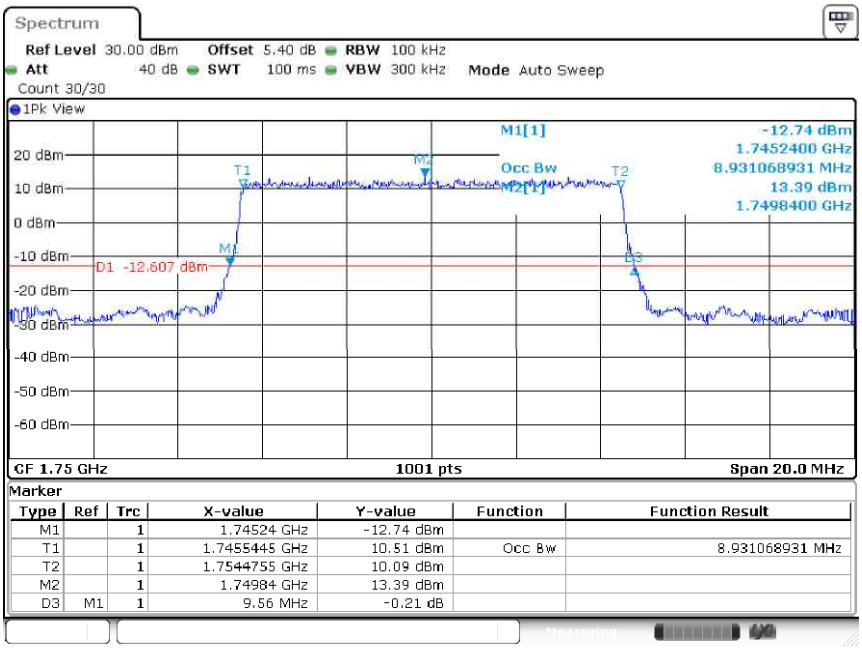
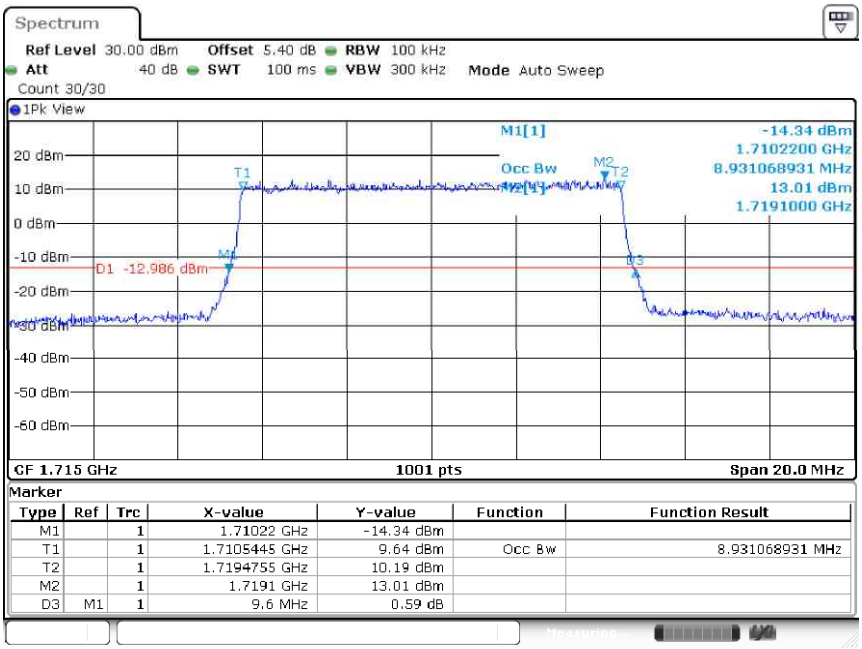
Band4-10MHz-QPSK-20350-50RB#0-8.931



Band4-10MHz-64QAM-20000-50RB#0-8.931



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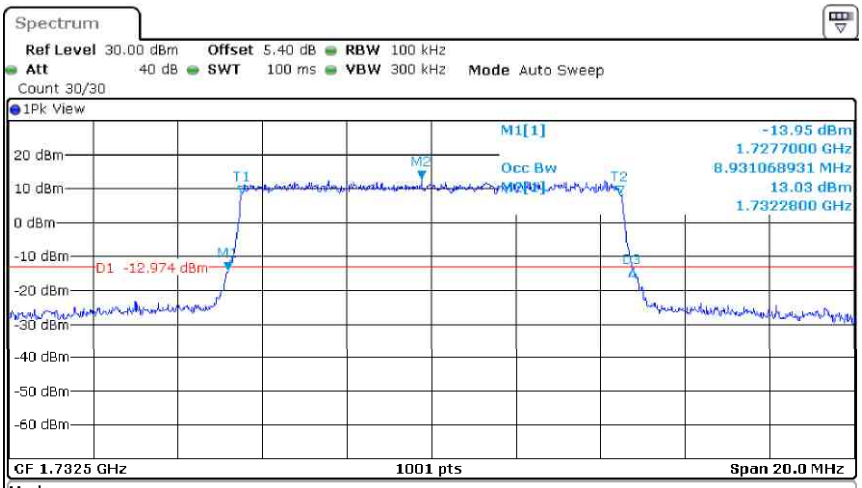
Band4-10MHz-64QAM-20175-50RB#0-8.931

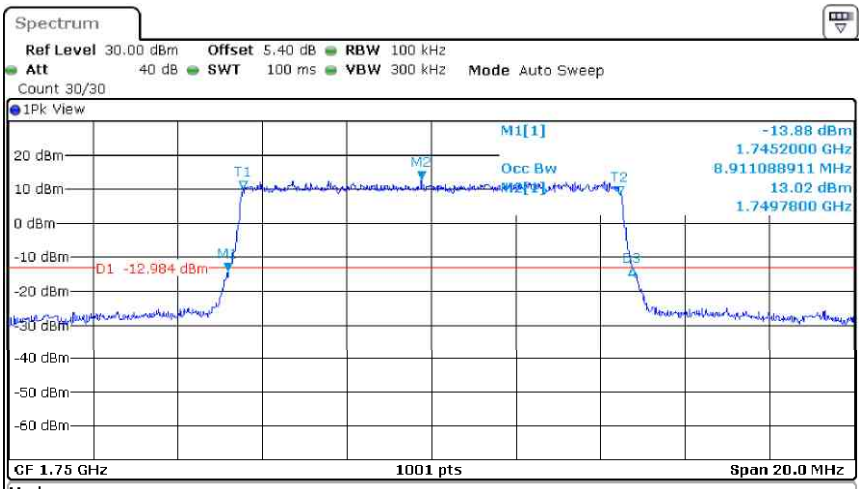


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7277 GHz	-13.95 dBm		
T1		1	1.7280245 GHz	8.60 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7369555 GHz	8.55 dBm		
M2		1	1.73228 GHz	13.03 dBm		
D3	M1	1	9.56 MHz	0.17 dB		

Date: 24.JUN.2020 02:01:07

Band4-10MHz-64QAM-20350-50RB#0-8.911



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7452 GHz	-13.88 dBm		
T1		1	1.7455445 GHz	10.14 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7544555 GHz	8.44 dBm		
M2		1	1.74978 GHz	13.02 dBm		
D3	M1	1	9.56 MHz	0.89 dB		

Date: 24.JUN.2020 02:01:20

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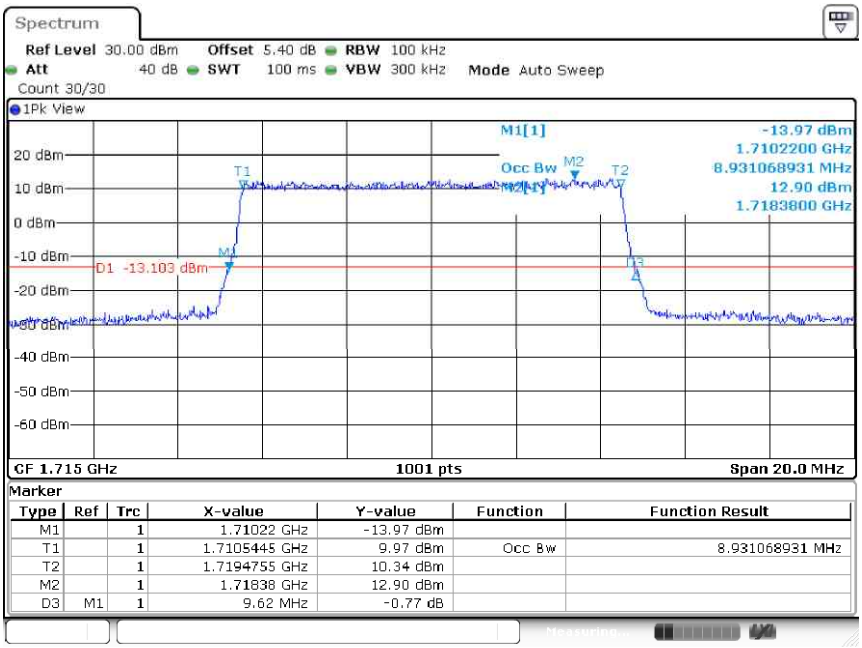
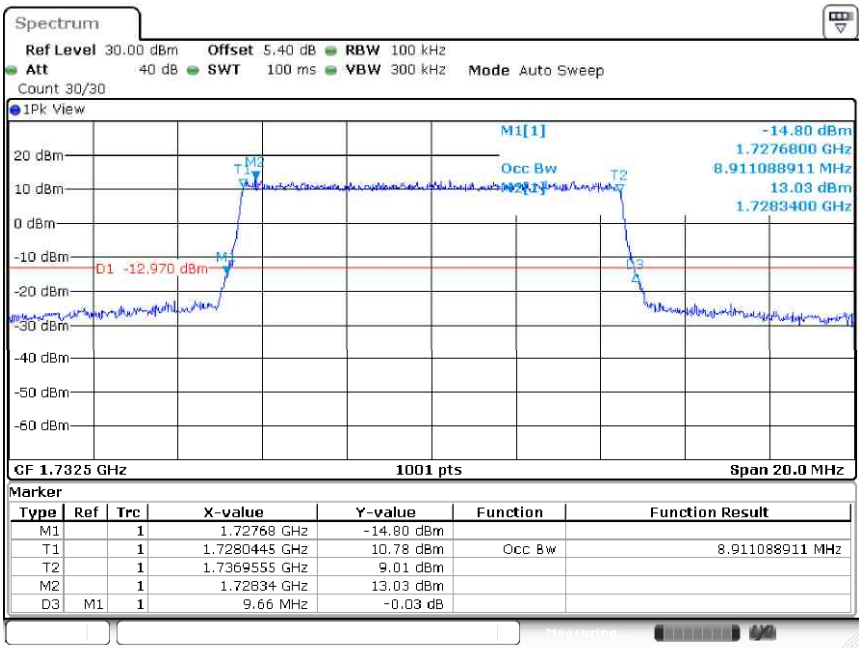
Band4-10MHz-16QAM-20000-50RB#0-8.931



Date: 23.JUN.2020 11:27:39

Band4-10MHz-16QAM-20175-50RB#0-8.911



Date: 23.JUN.2020 11:28:05

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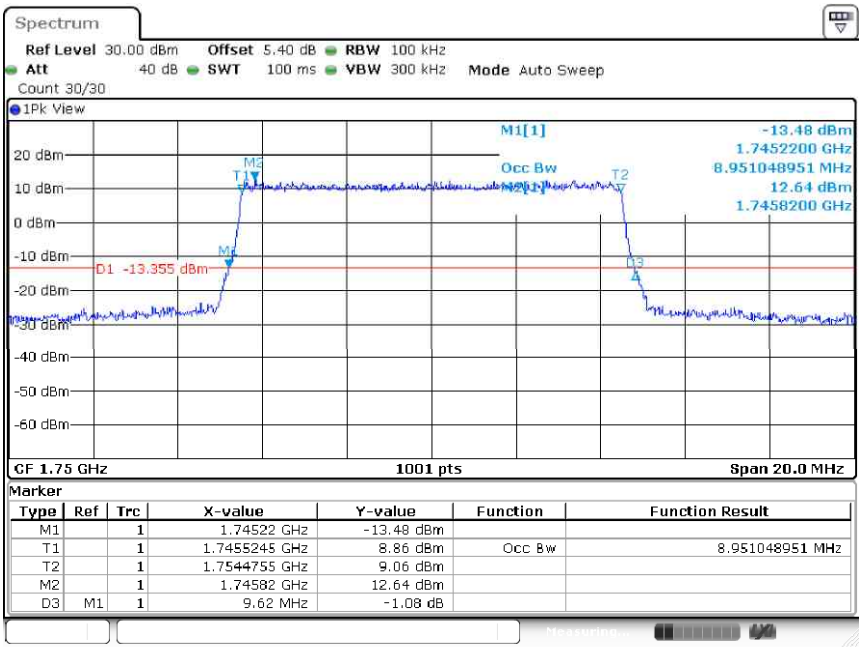
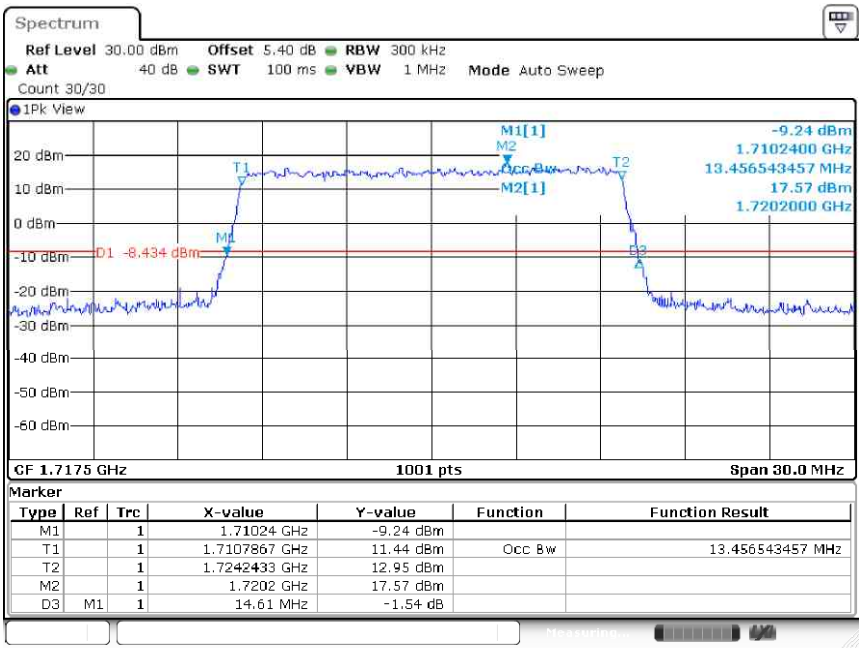
Band4-10MHz-16QAM-20350-50RB#0-8.951



Date: 23.JUN.2020 11:28:31

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



Date: 23.JUN.2020 11:28:48

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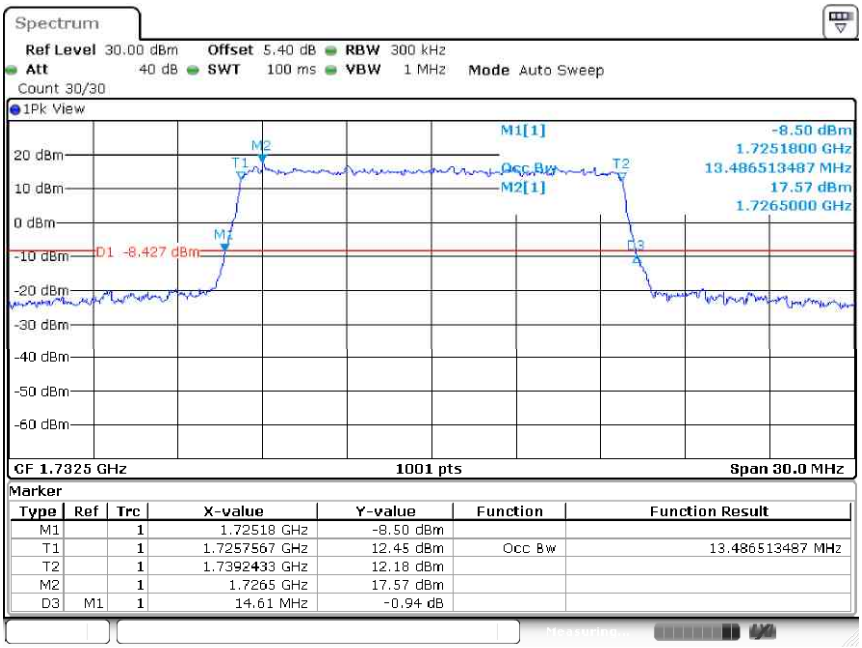
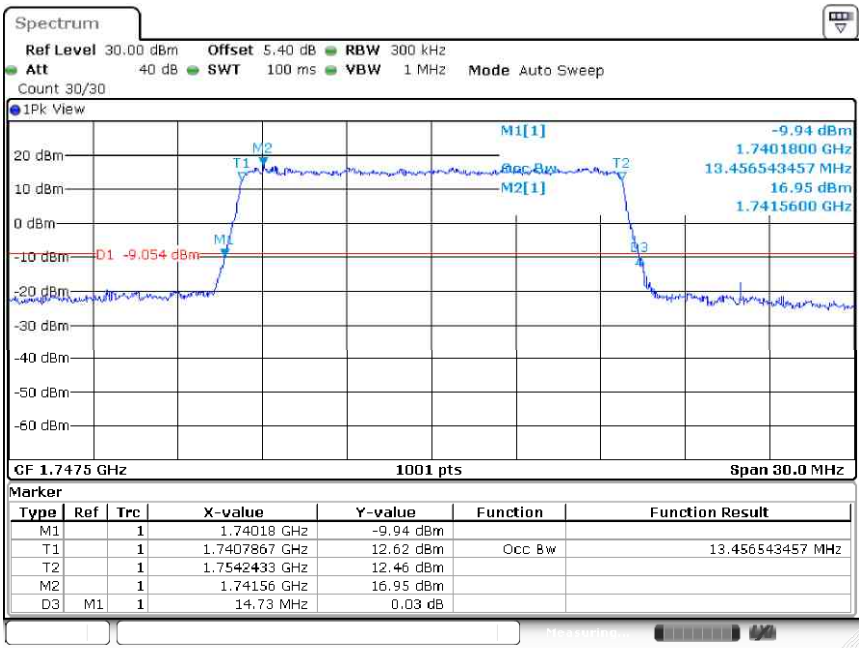
Band4-15MHz-QPSK-20175-75RB#0-13.487



Date: 23.JUN.2020 11:29:14

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



Date: 23.JUN.2020 11:29:40

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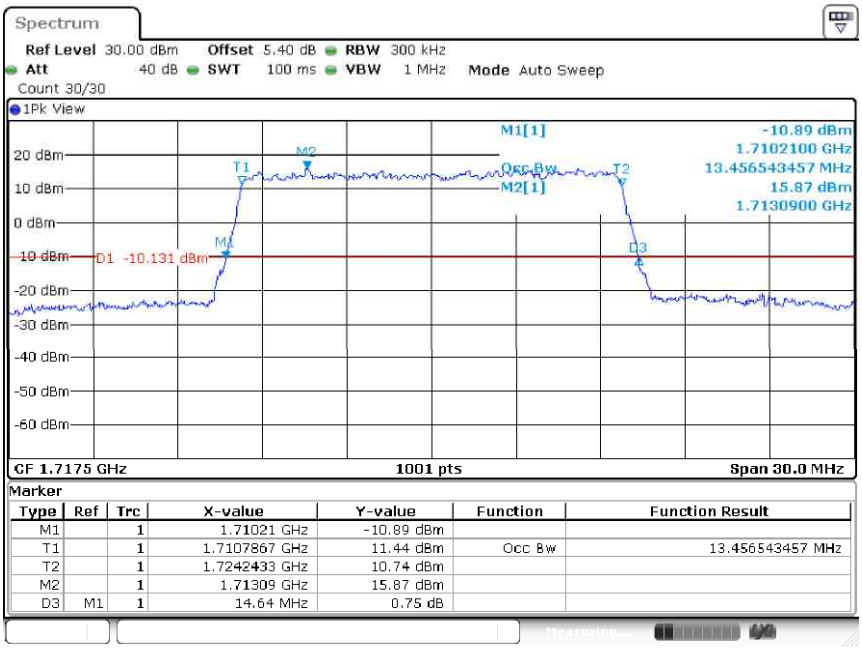
Band4-15MHz-64QAM-20025-75RB#0-13.457

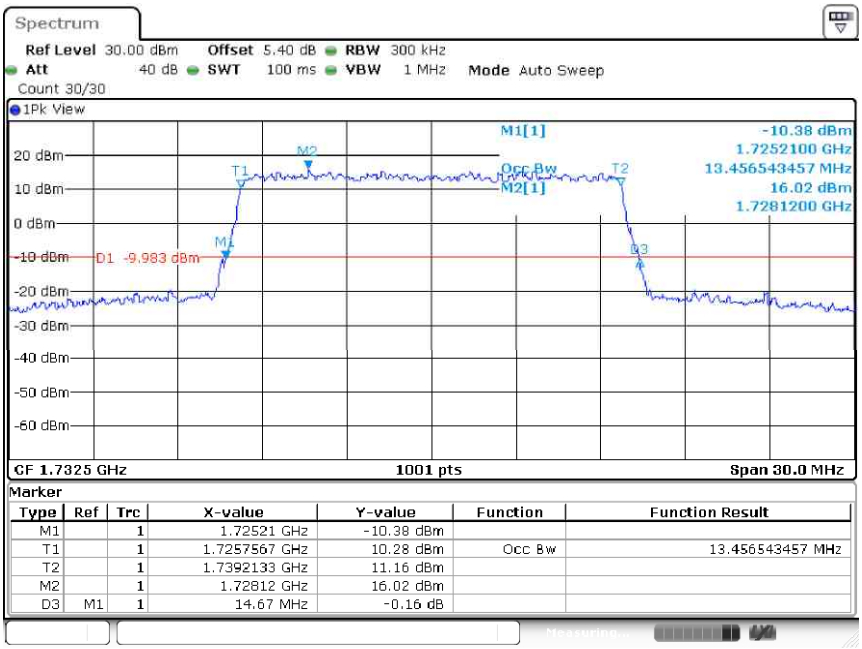


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71021 GHz	-10.89 dBm		
T1		1	1.7107867 GHz	11.44 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7242433 GHz	10.74 dBm		
M2		1	1.71309 GHz	15.87 dBm		
D3	M1	1	14.64 MHz	0.75 dB		

Date: 24.JUN.2020 02:01:37

Band4-15MHz-64QAM-20175-75RB#0-13.457



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72521 GHz	-10.38 dBm		
T1		1	1.7257567 GHz	10.28 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392133 GHz	11.16 dBm		
M2		1	1.72812 GHz	16.02 dBm		
D3	M1	1	14.67 MHz	-0.16 dB		

Date: 24.JUN.2020 02:01:51

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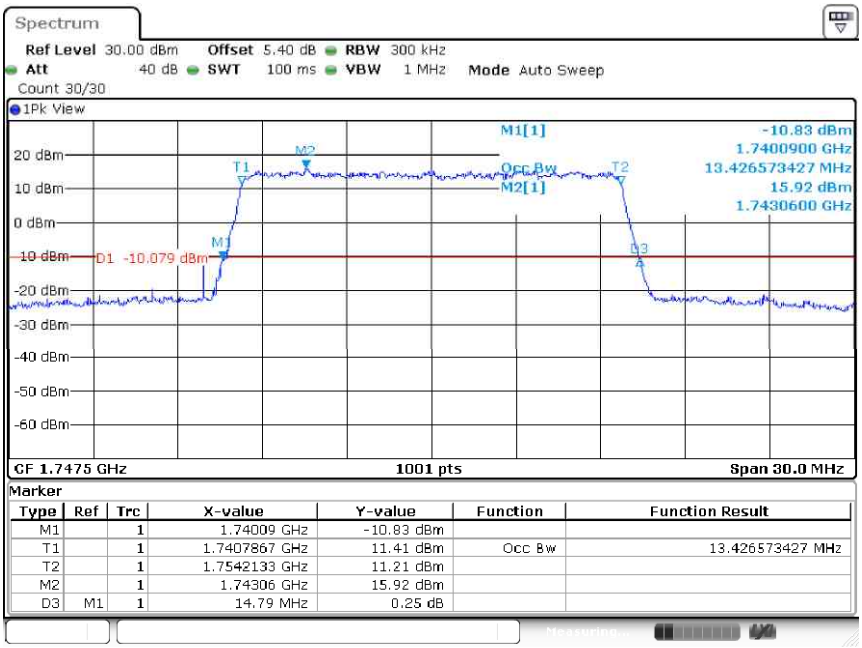
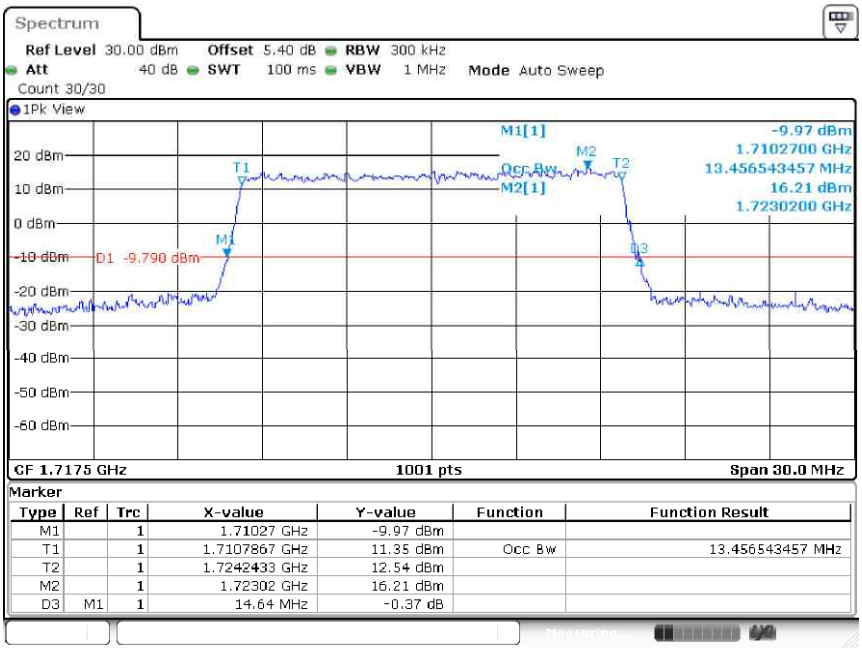
Band4-15MHz-64QAM-20325-75RB#0-13.427



Date: 24.JUN.2020 02:02:04

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



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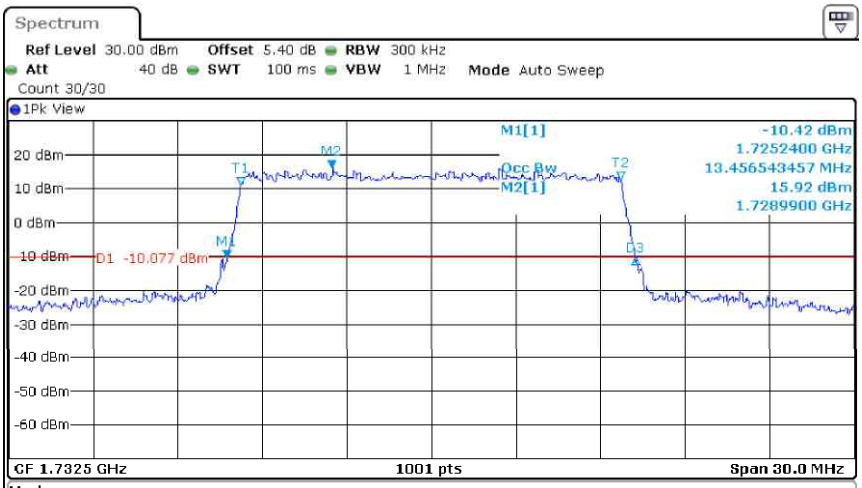
Band4-15MHz-16QAM-20175-75RB#0-13.457



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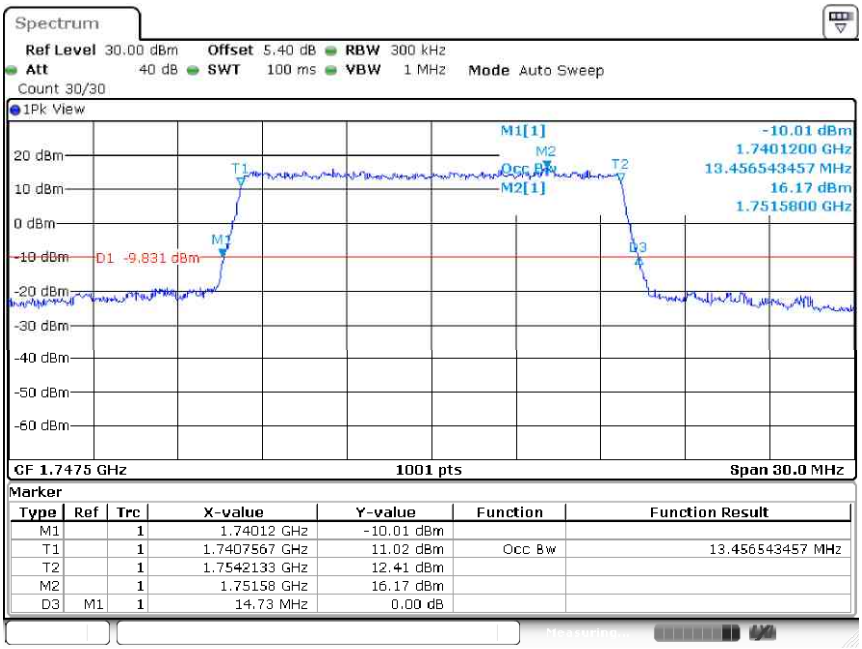
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72524 GHz	-10.42 dBm		
T1		1	1.7257567 GHz	10.86 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392133 GHz	12.51 dBm		
M2		1	1.72899 GHz	15.92 dBm		
D3	M1	1	14.49 MHz	0.08 dB		

Date: 23.JUN.2020 11:29:27

Band4-15MHz-16QAM-20325-75RB#0-13.457



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74012 GHz	-10.01 dBm		
T1		1	1.7407567 GHz	11.02 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542133 GHz	12.41 dBm		
M2		1	1.75158 GHz	16.17 dBm		
D3	M1	1	14.73 MHz	0.00 dB		

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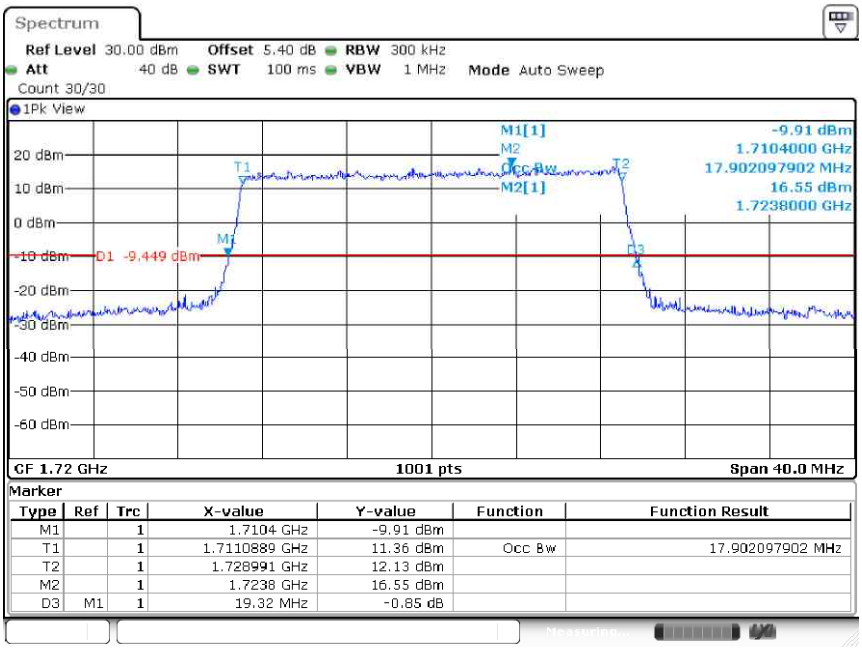
Band4-20MHz-QPSK-20050-100RB#0-17.902



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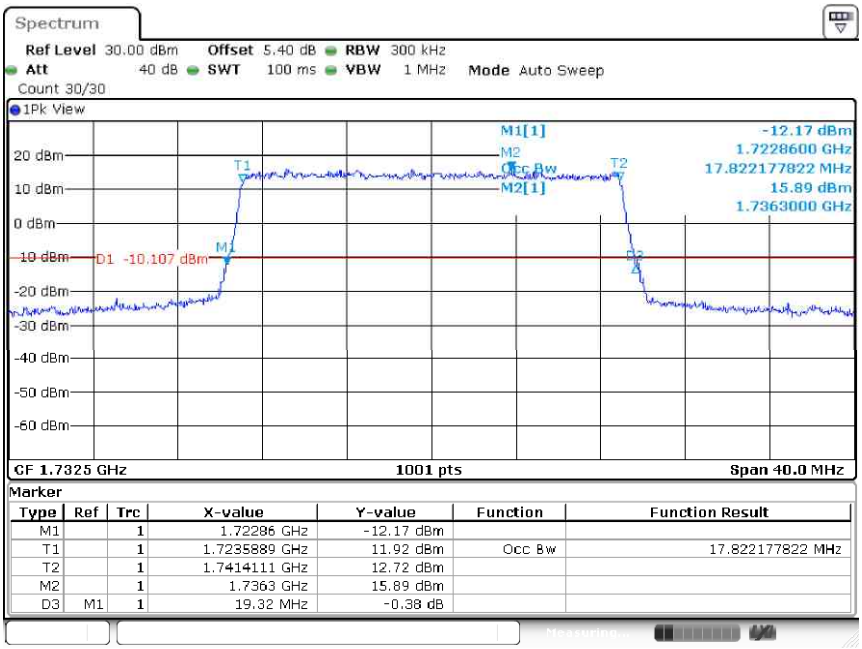
Band4-20MHz-QPSK-20175-100RB#0-17.822



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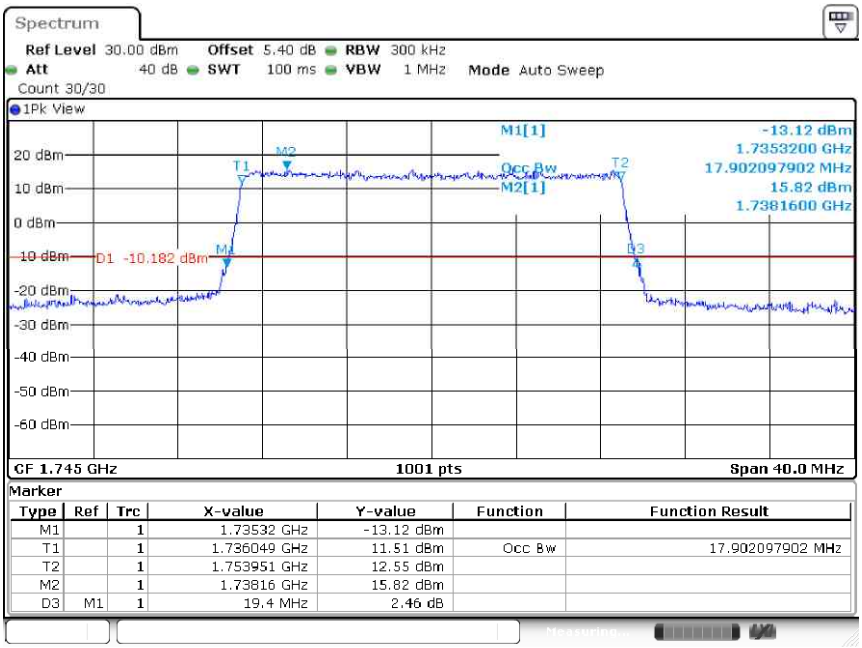
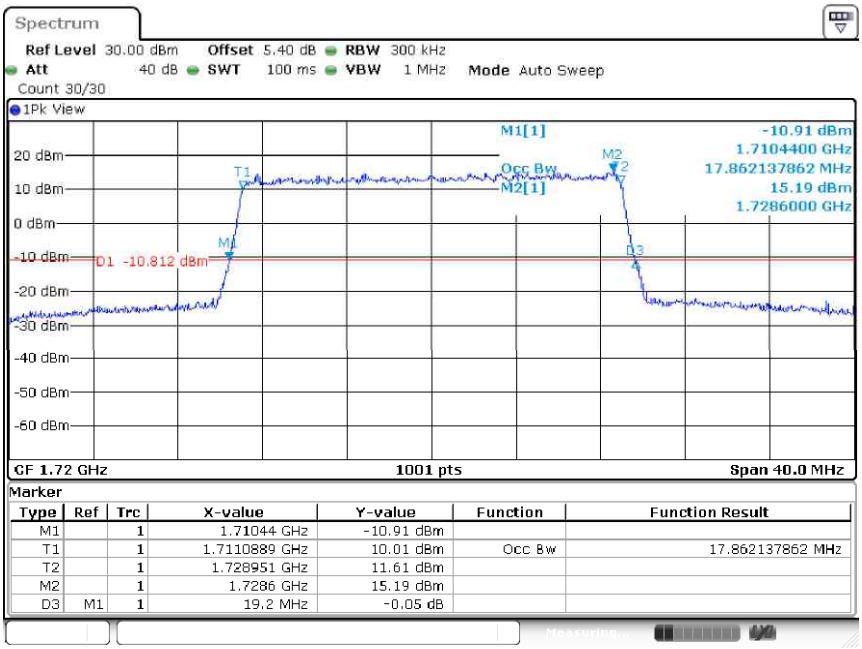
Band4-20MHz-QPSK-20300-100RB#0-17.902



Date: 23.JUN.2020 11:31:02

Band4-20MHz-64QAM-20050-100RB#0-17.862



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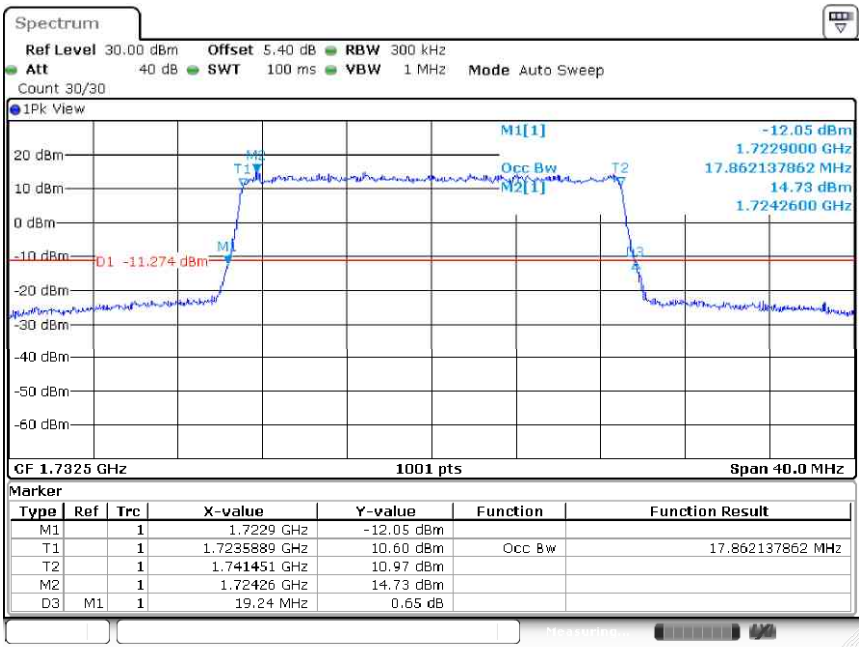
Band4-20MHz-64QAM-20175-100RB#0-17.862

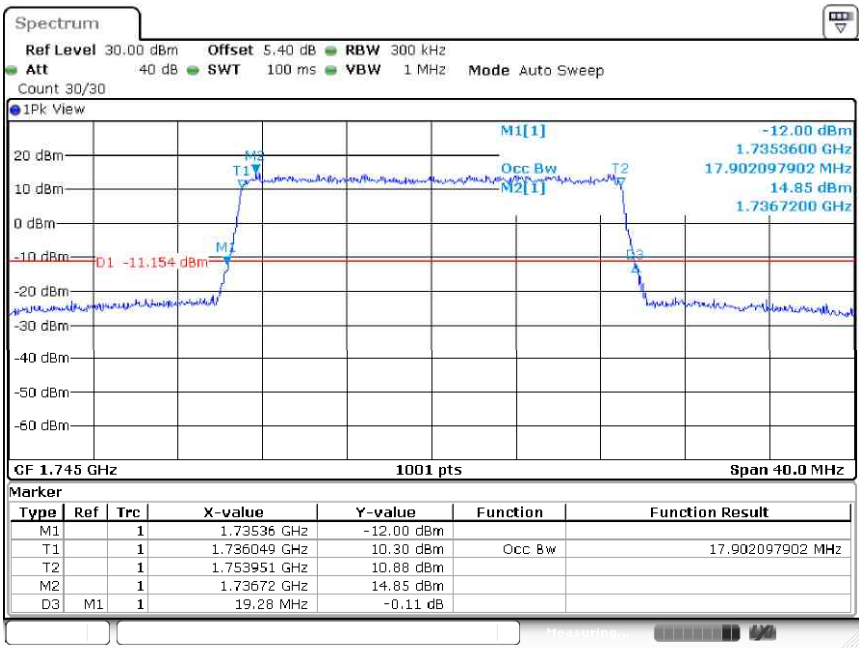


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7229 GHz	-12.05 dBm		
T1		1	1.7235889 GHz	10.60 dBm	Occ Bw	17.862137862 MHz
T2		1	1.741451 GHz	10.97 dBm		
M2		1	1.72426 GHz	14.73 dBm		
D3	M1	1	19.24 MHz	0.65 dB		

Date: 24.JUN.2020 02:02:34

Band4-20MHz-64QAM-20300-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73536 GHz	-12.00 dBm		
T1		1	1.736049 GHz	10.30 dBm	Occ Bw	17.902097902 MHz
T2		1	1.753951 GHz	10.88 dBm		
M2		1	1.73672 GHz	14.85 dBm		
D3	M1	1	19.28 MHz	-0.11 dB		

Date: 24.JUN.2020 02:02:47

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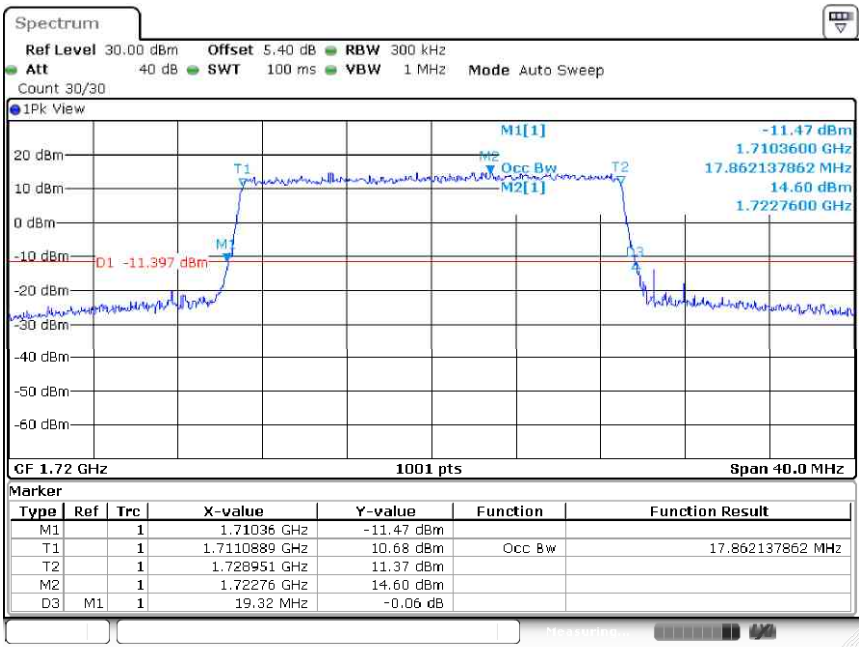
Band4-20MHz-16QAM-20050-100RB#0-17.862



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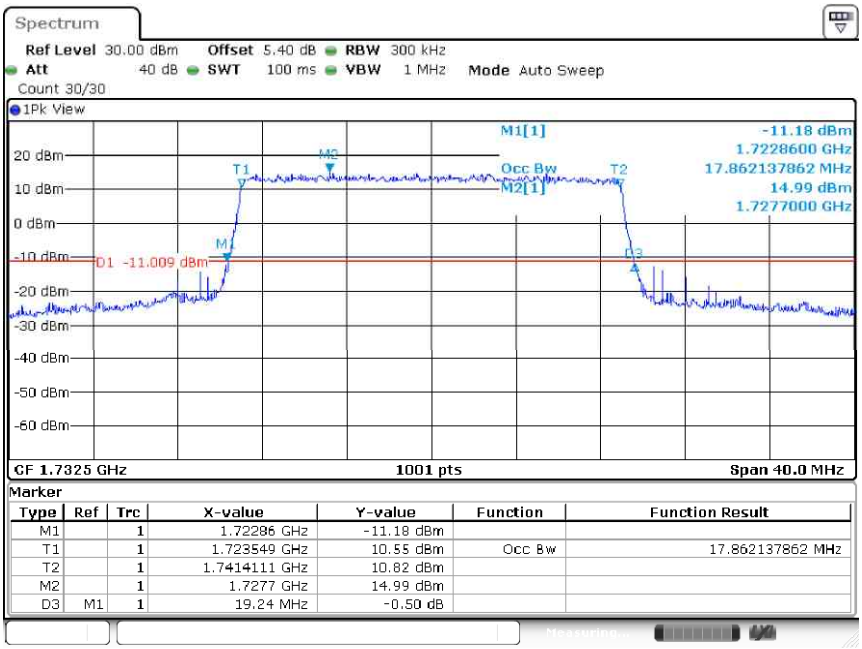
Band4-20MHz-16QAM-20175-100RB#0-17.862



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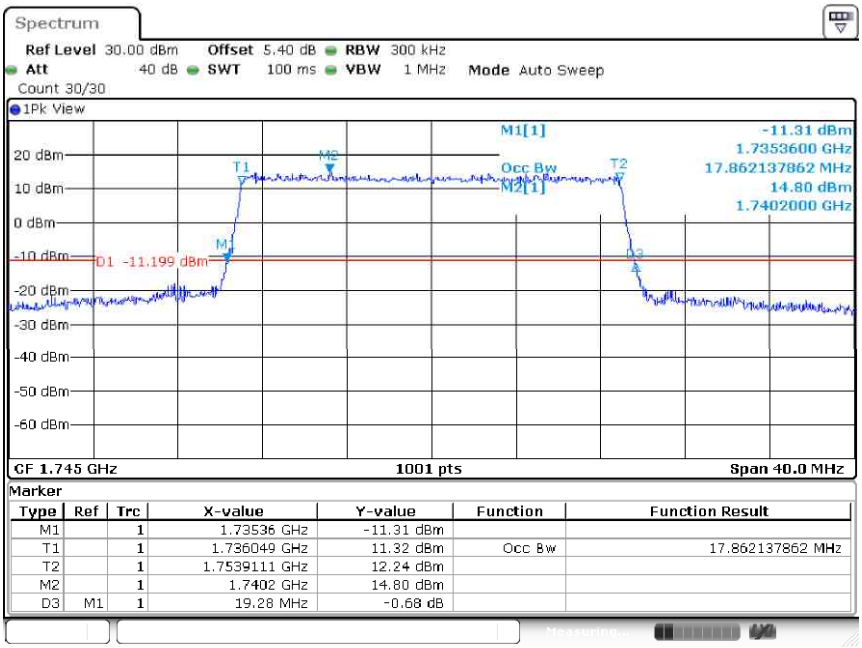
Band4-20MHz-16QAM-20300-100RB#0-17.862



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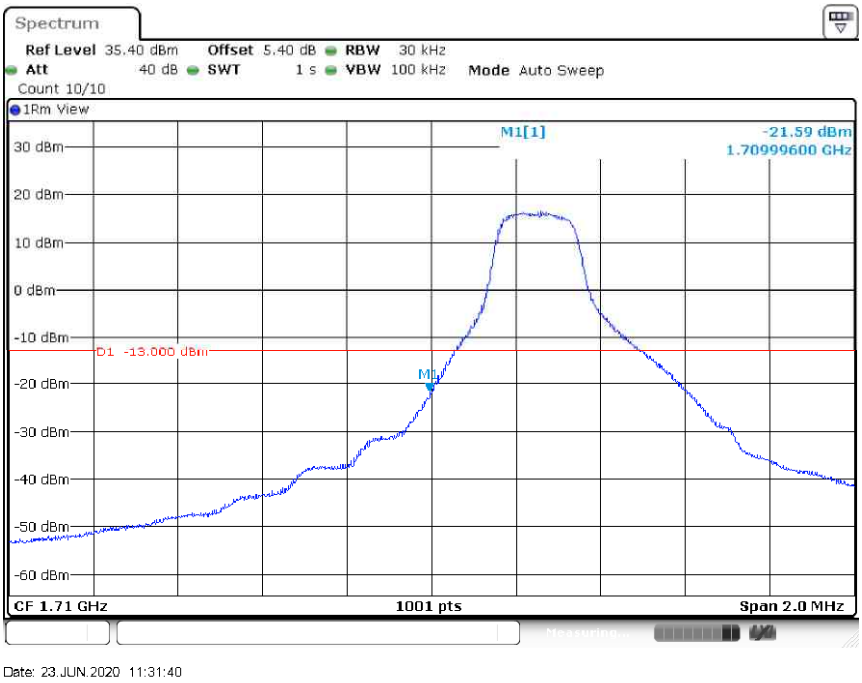
5. Band Edge Compliance

5.1. Test Plots

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



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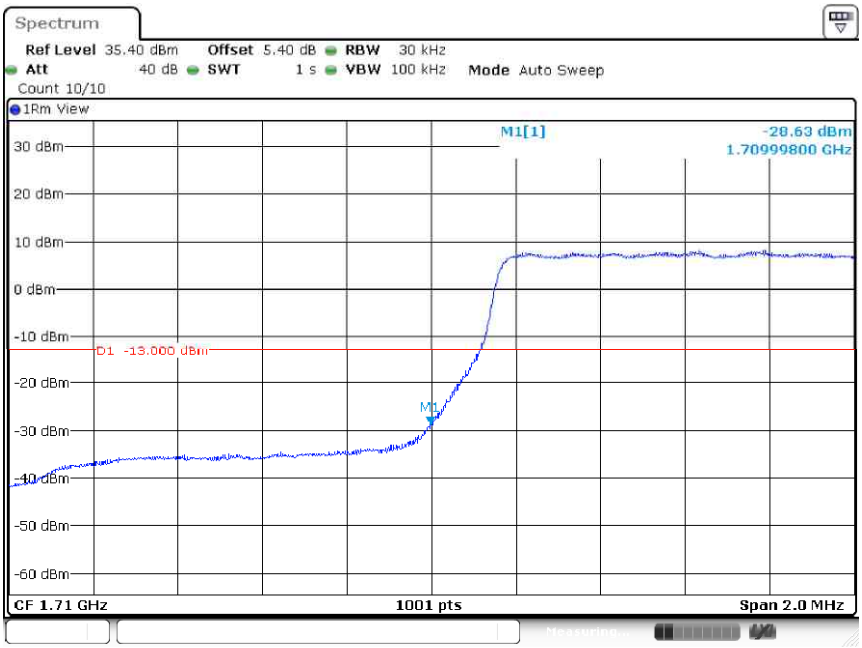
Band4-1.4MHz-QPSK-19957-6RB#0



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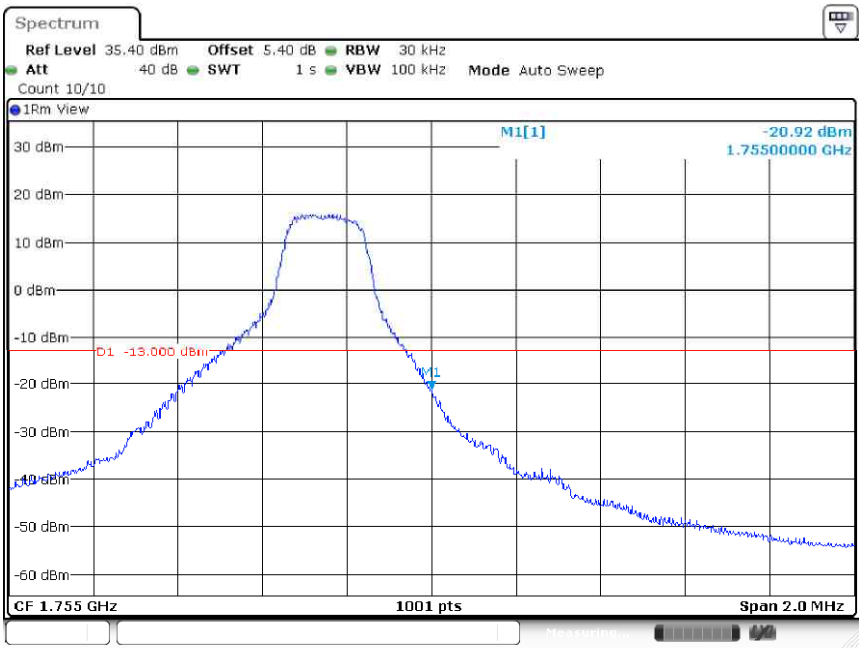
Band4-1.4MHz-QPSK-20393-1RB#5



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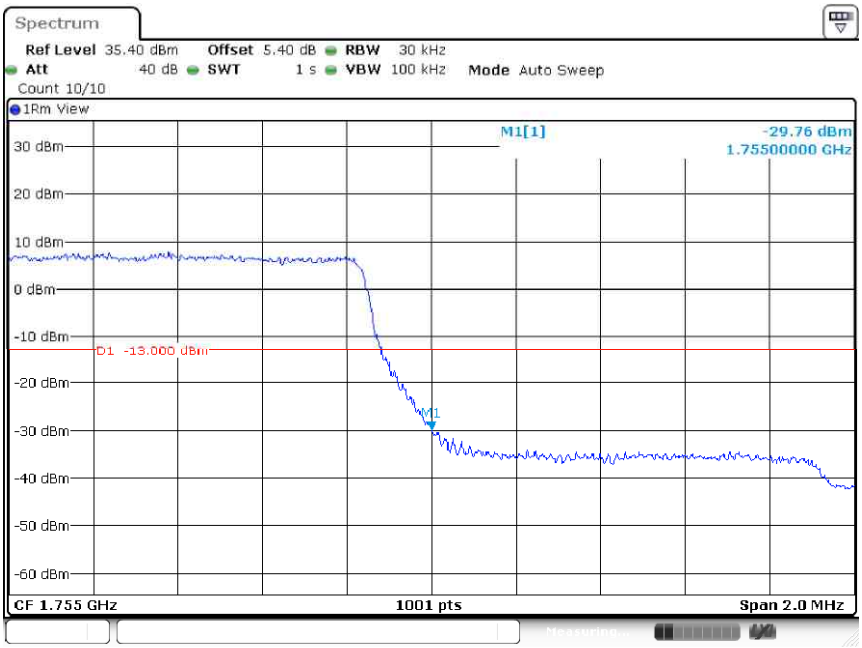
Band4-1.4MHz-QPSK-20393-6RB#0



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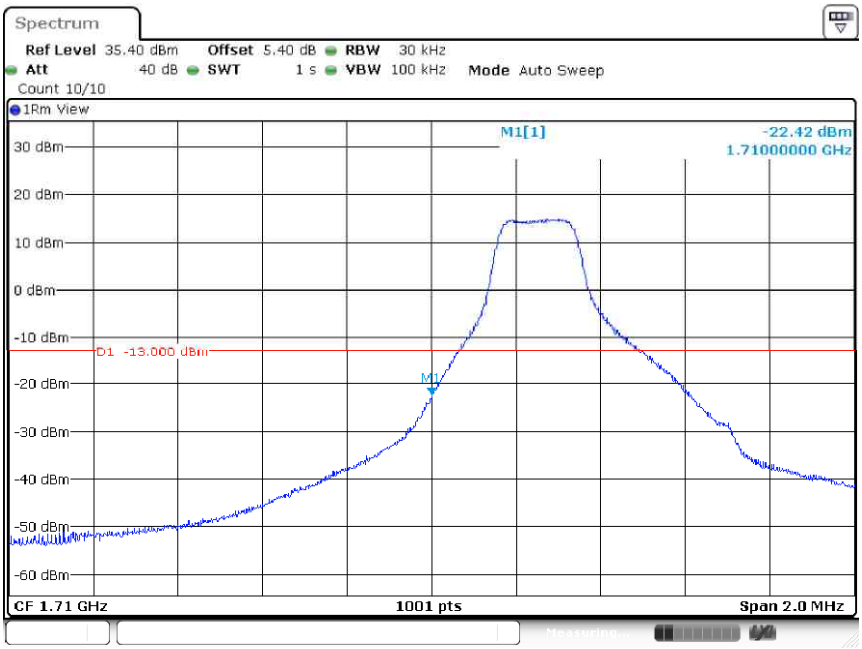
Band4-1.4MHz-64QAM-19957-1RB#0



Date: 24.JUN.2020 02:03:13

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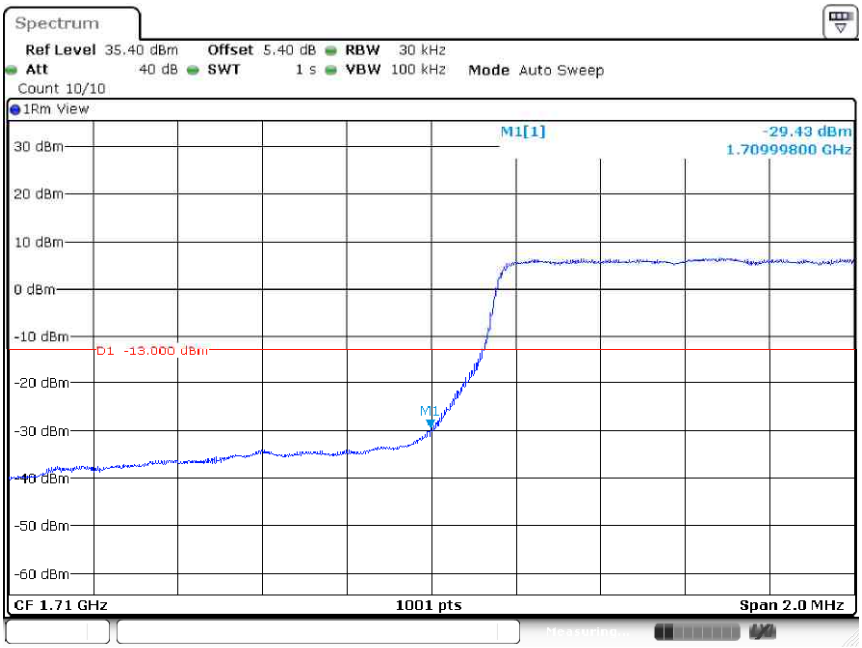
Band4-1.4MHz-64QAM-19957-6RB#0



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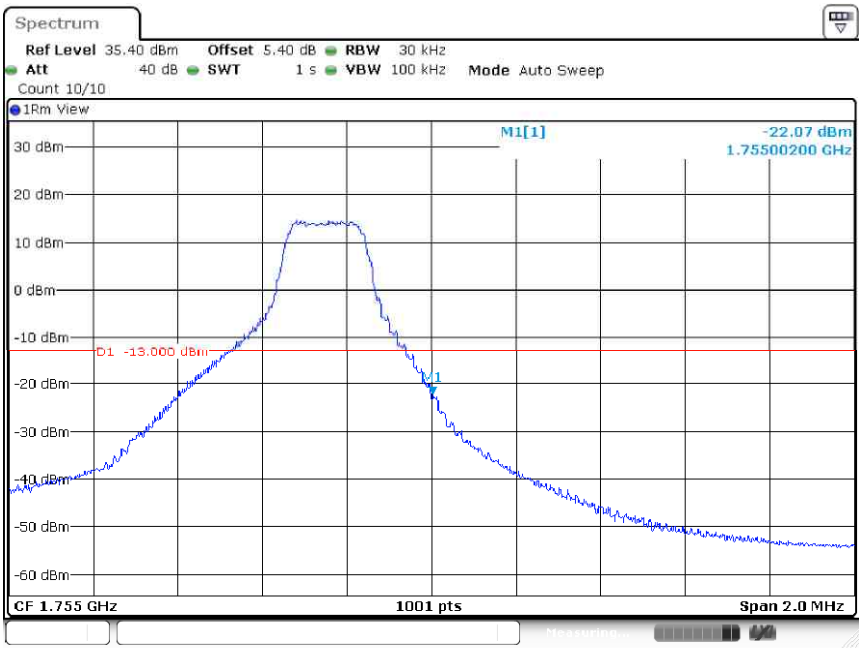
Band4-1.4MHz-64QAM-20393-1RB#5



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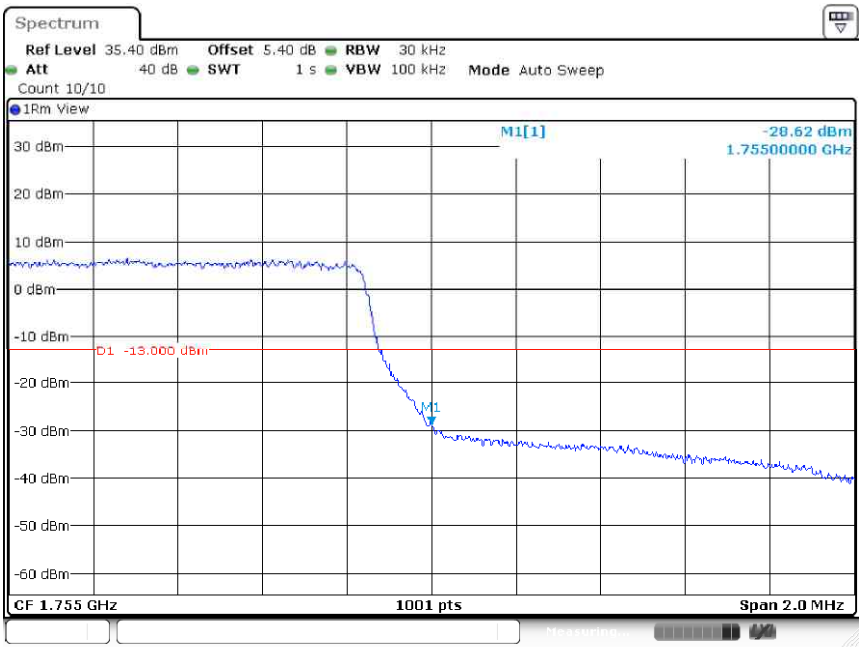

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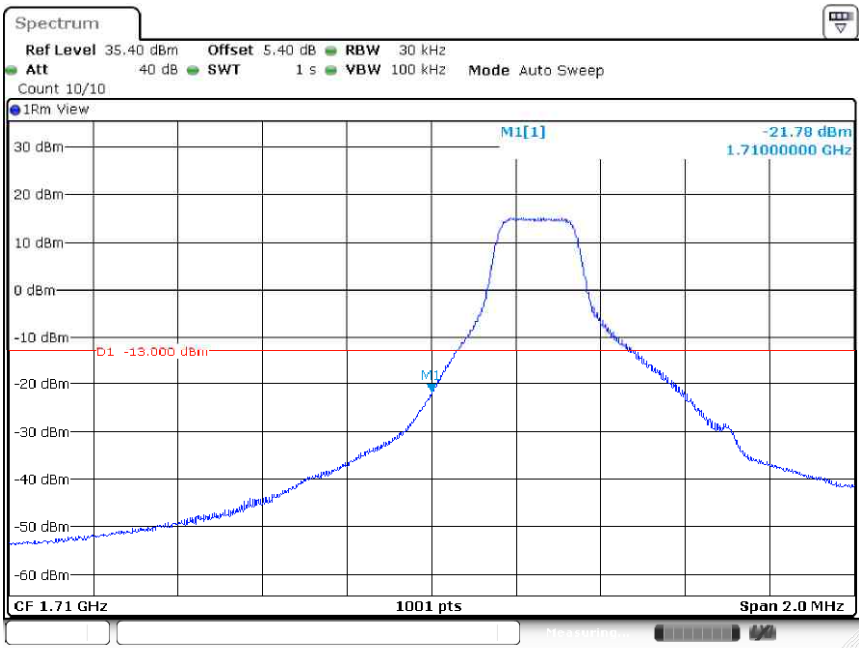

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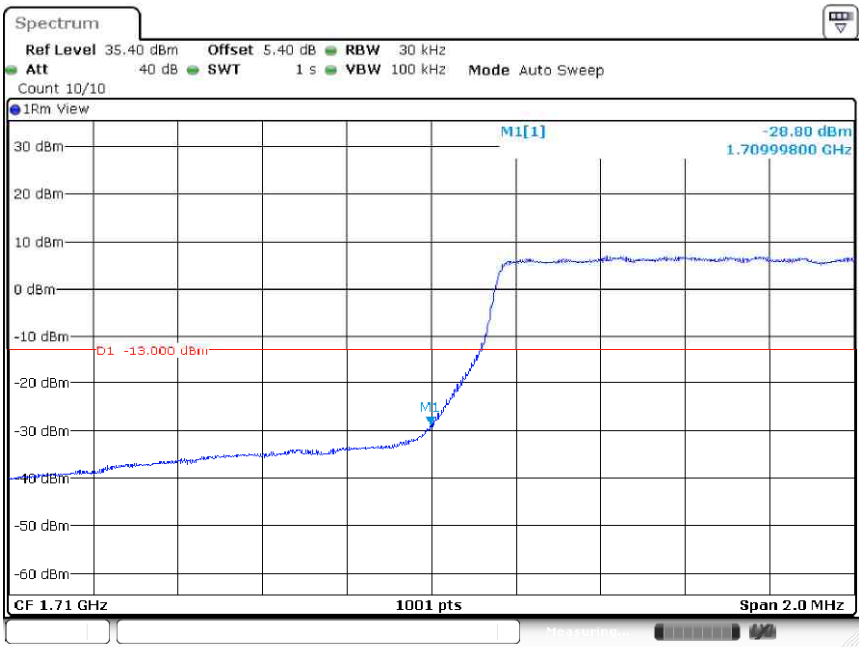

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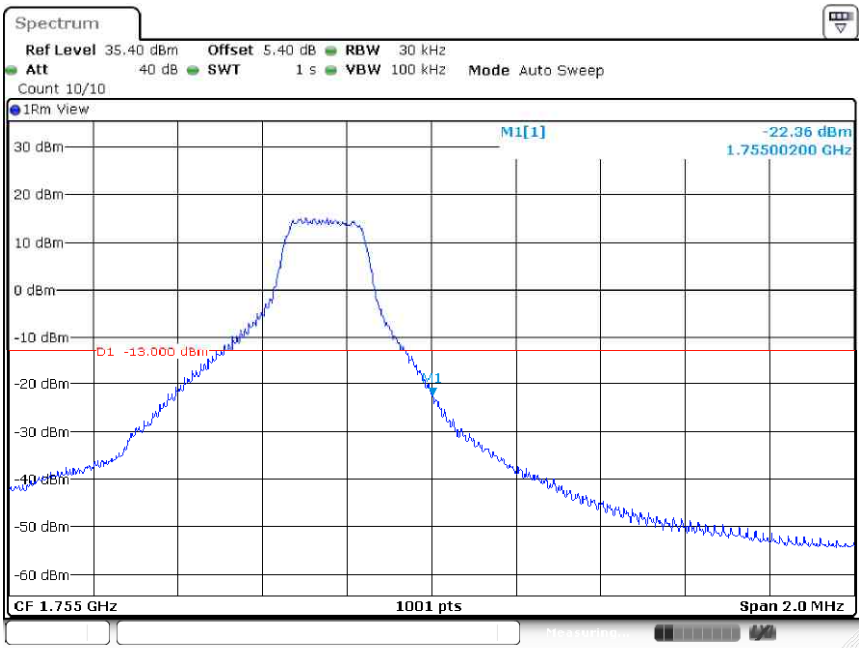

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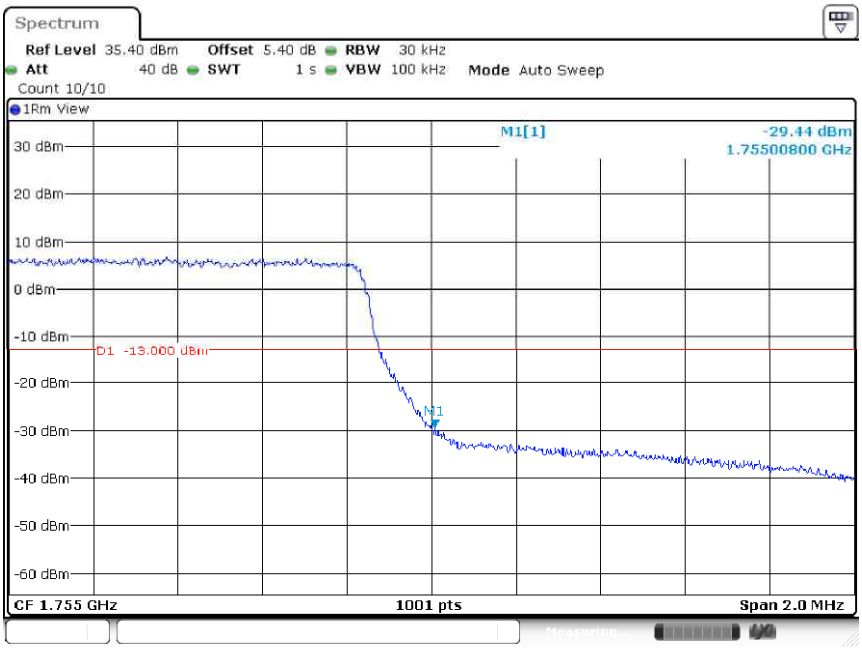

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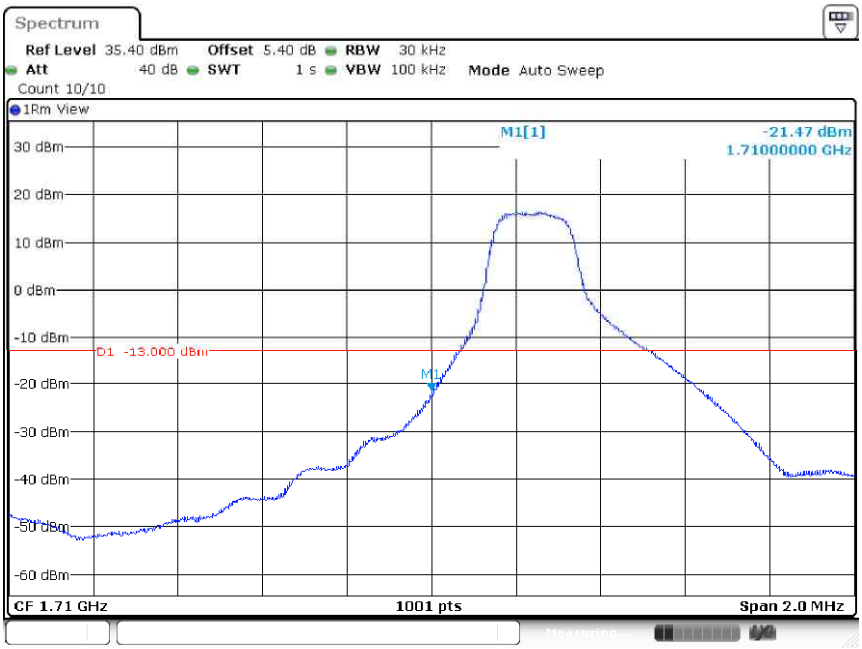
Band4-3MHz-QPSK-19965-1RB#0



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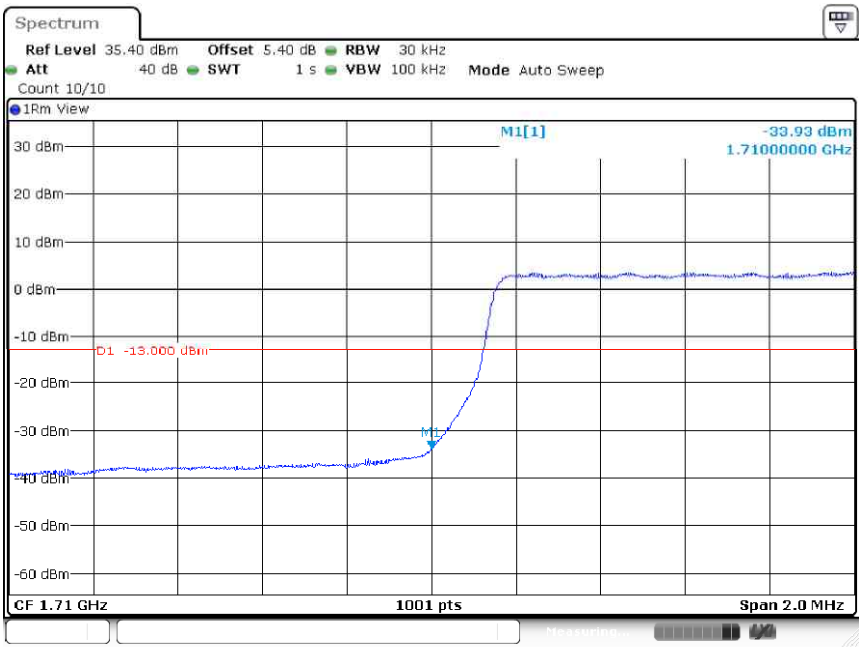
Band4-3MHz-QPSK-19965-15RB#0



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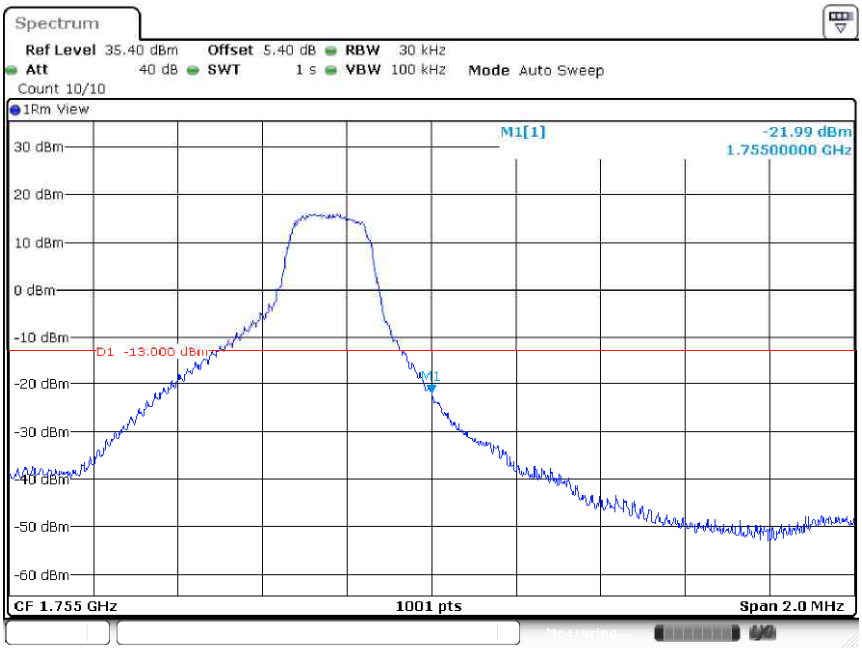
Band4-3MHz-QPSK-20385-1RB#14



Date: 23.JUN.2020 11:36:02

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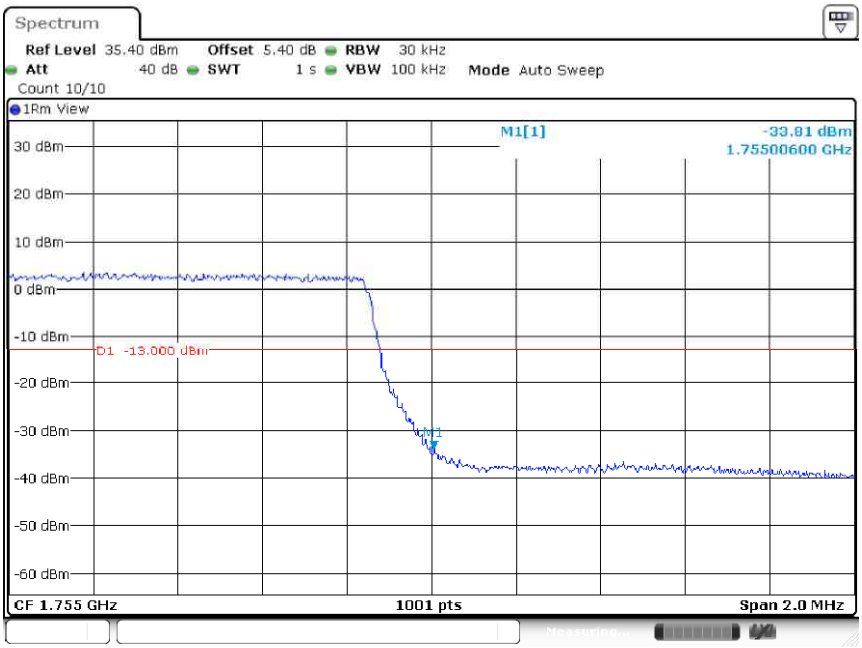

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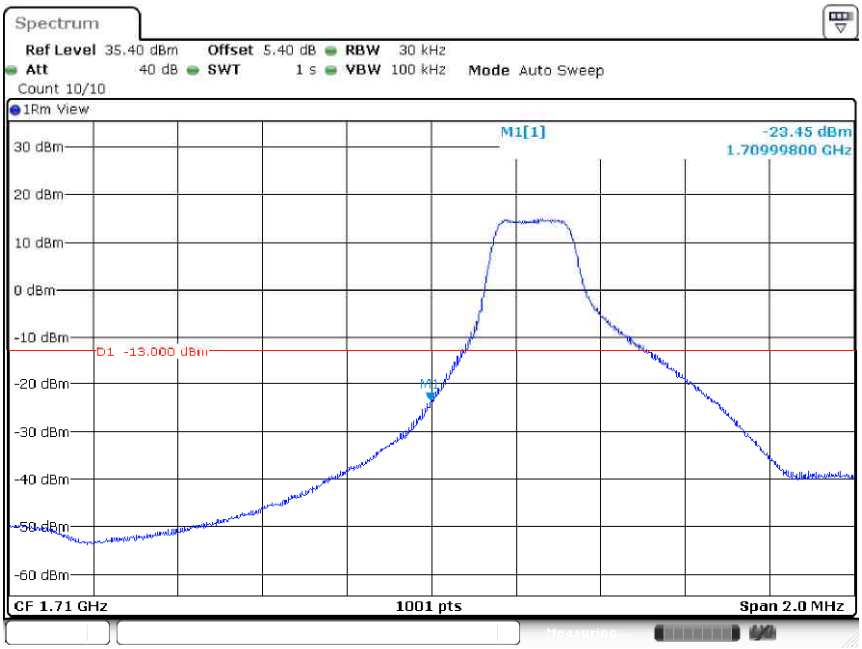
Band4-3MHz-64QAM-19965-1RB#0



Date: 24.JUN.2020 02:04:45

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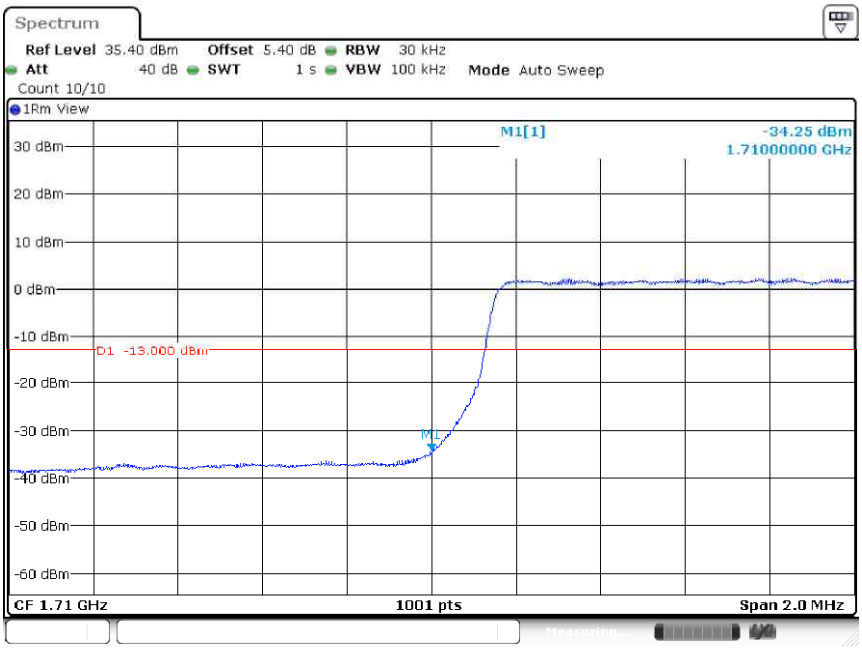
Band4-3MHz-64QAM-19965-15RB#0



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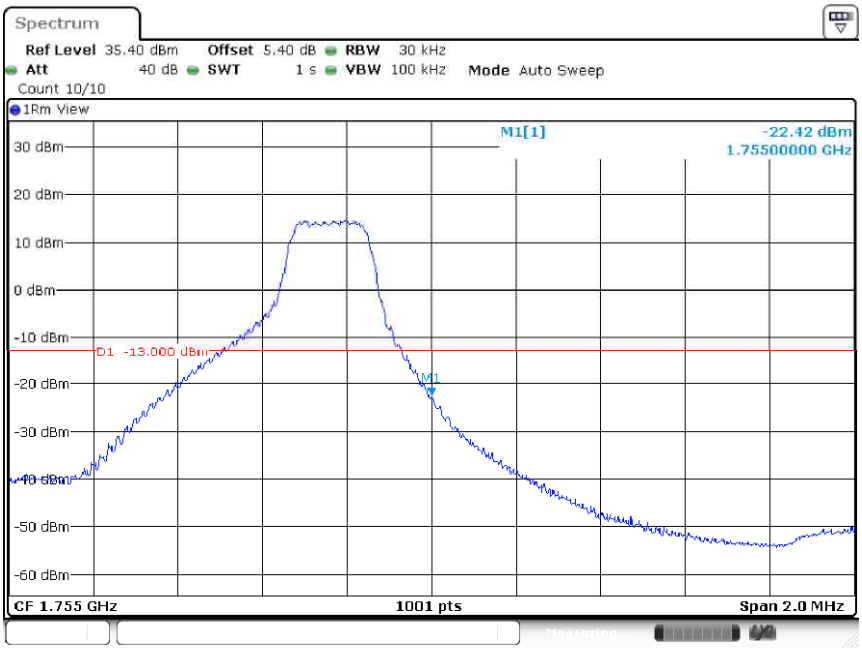
Band4-3MHz-64QAM-20385-1RB#14



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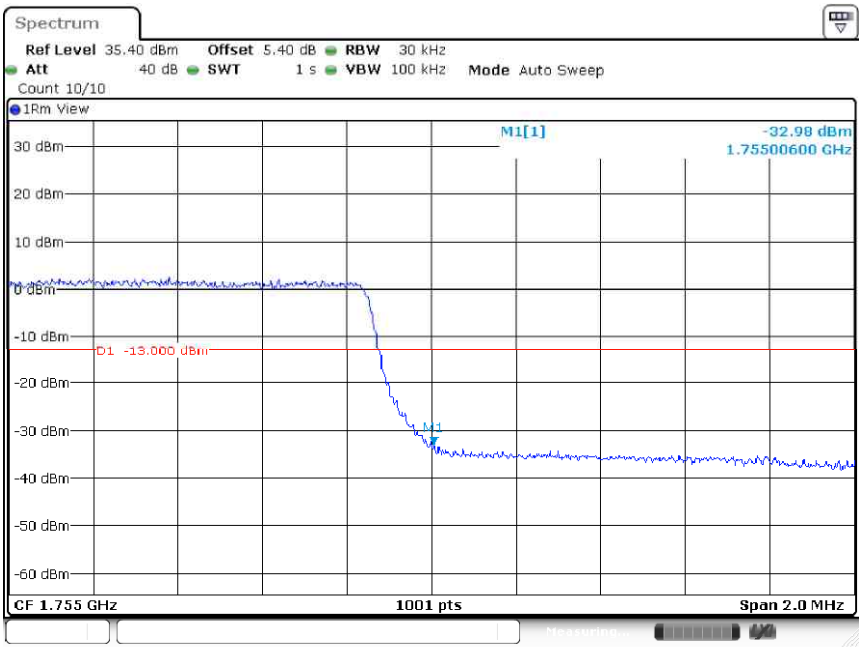

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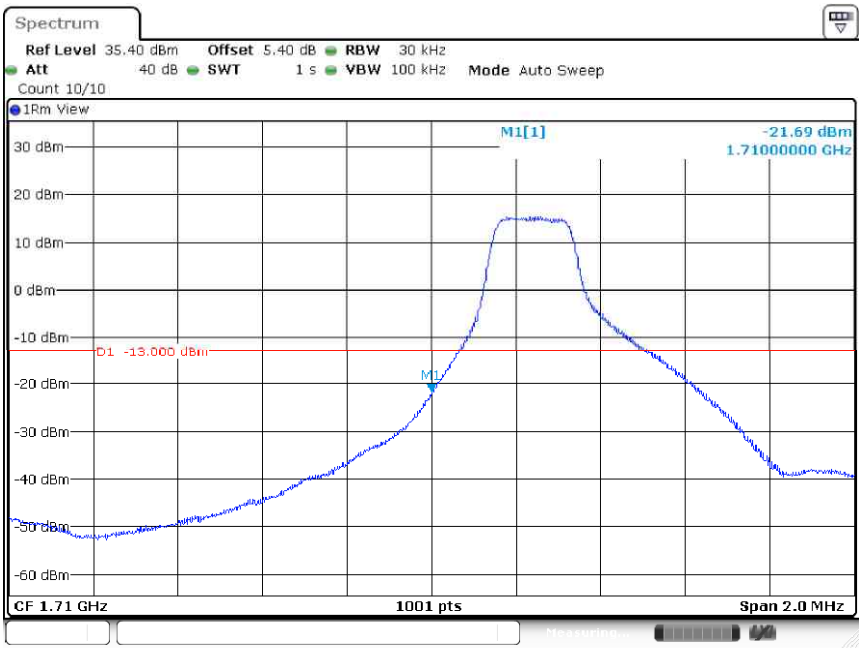

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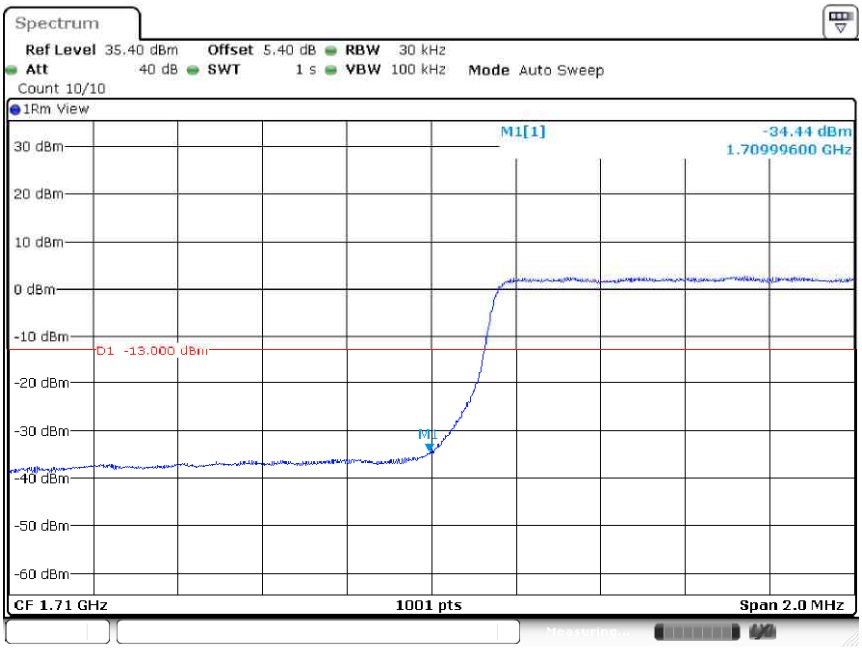

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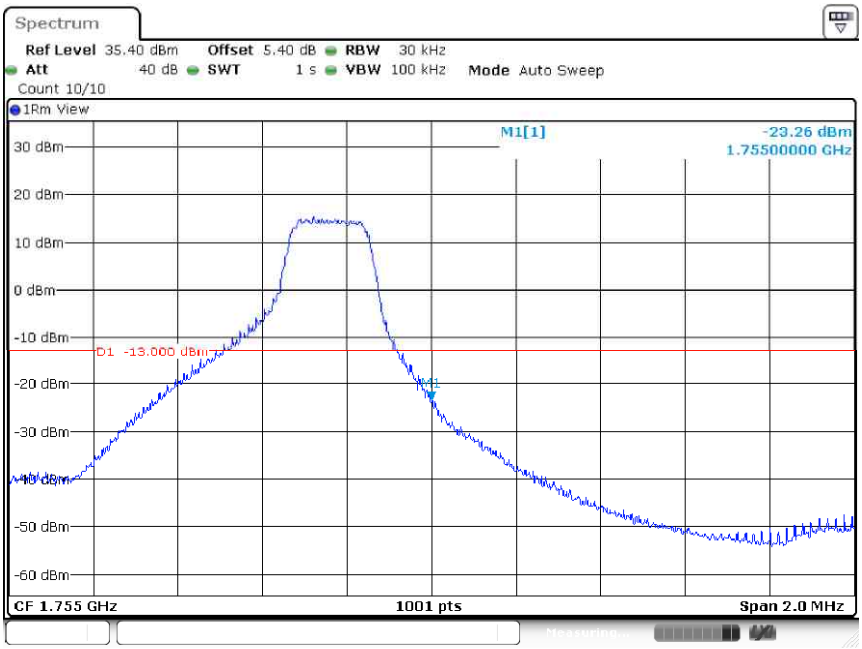
Band4-3MHz-16QAM-20385-1RB#14



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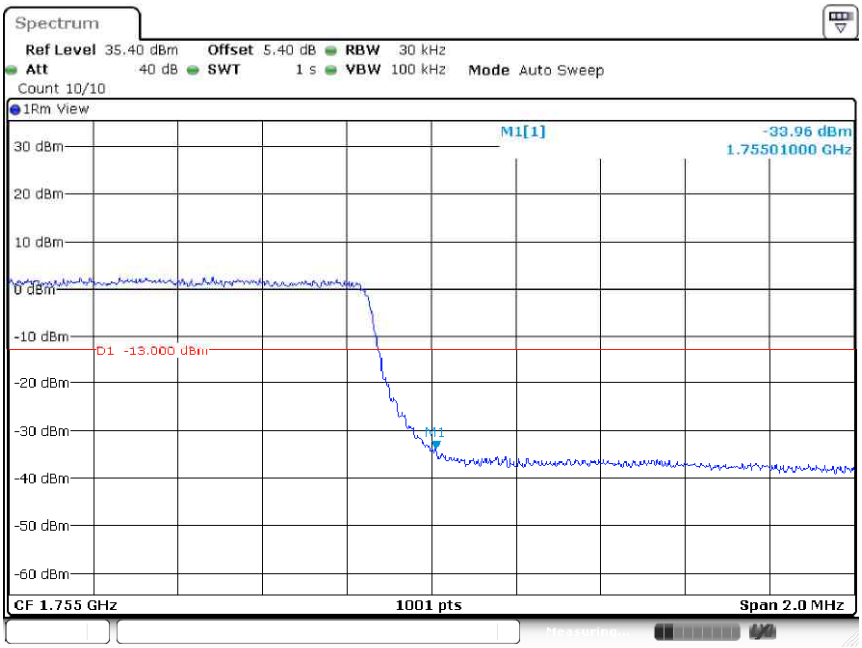
Band4-3MHz-16QAM-20385-15RB#0



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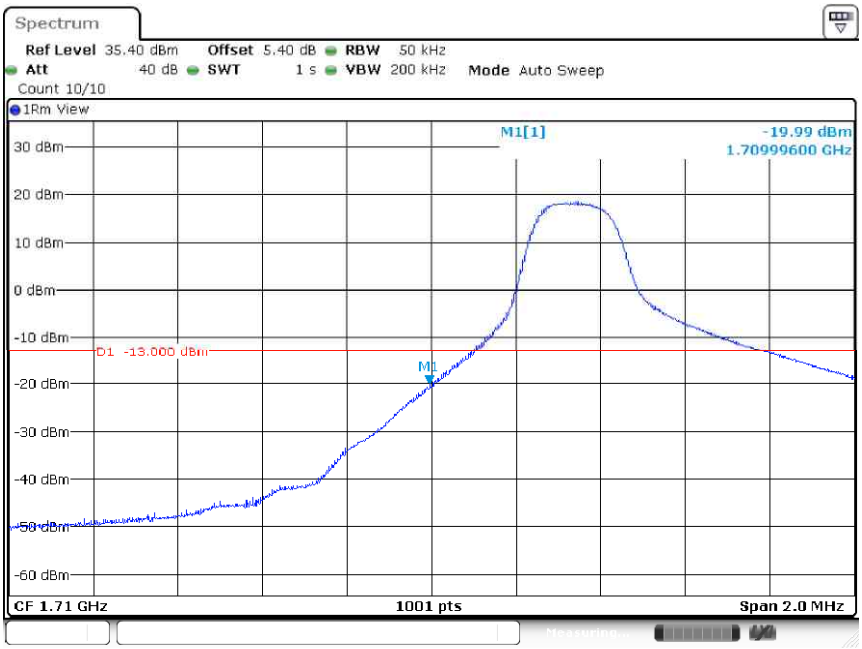
Band4-5MHz-QPSK-19975-1RB#0



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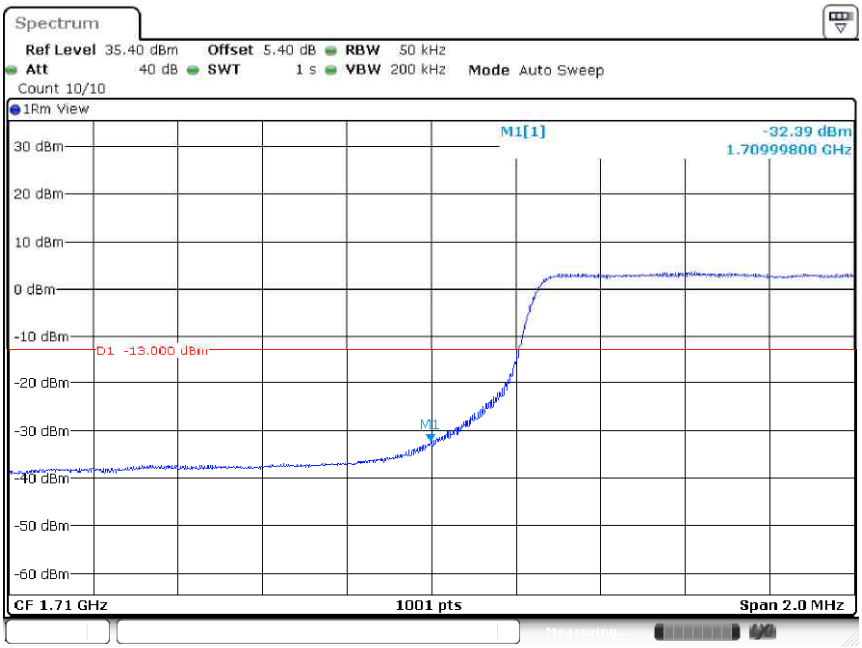

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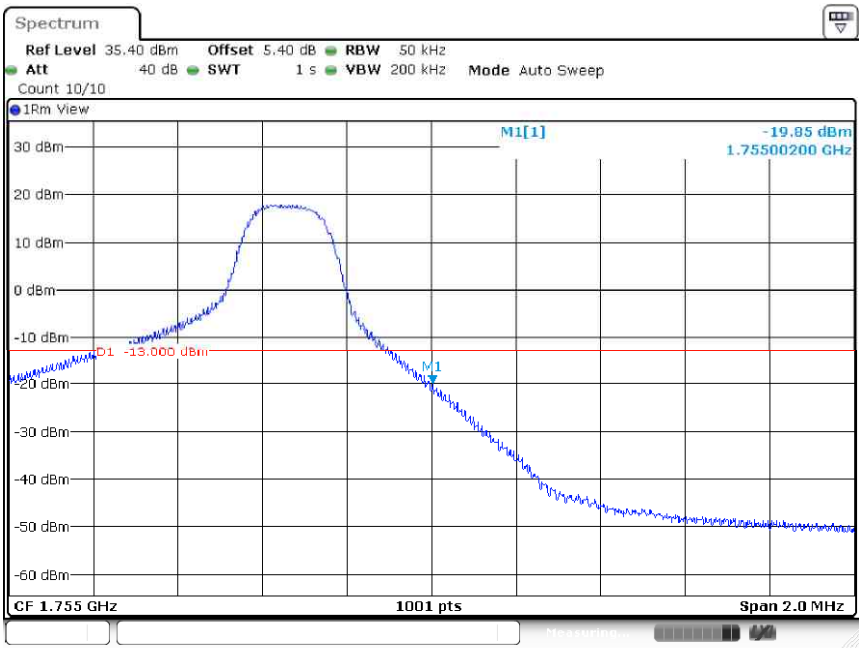
Band4-5MHz-QPSK-20375-1RB#24



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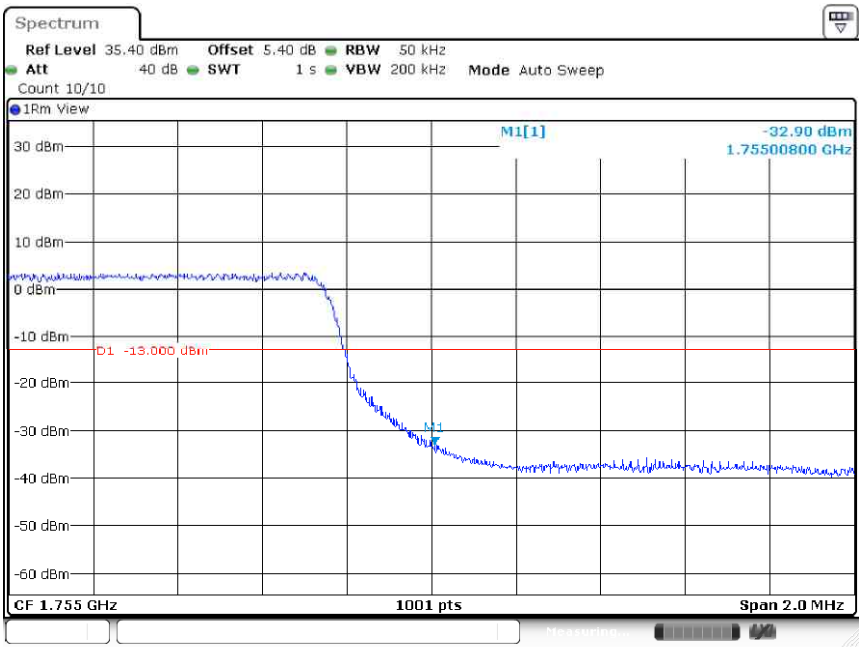
Band4-5MHz-QPSK-20375-25RB#0



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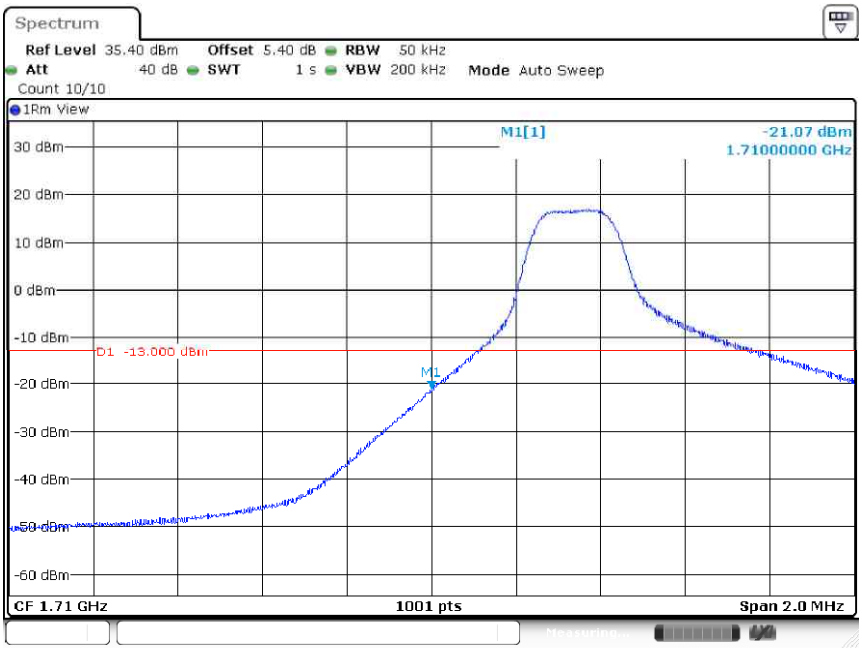

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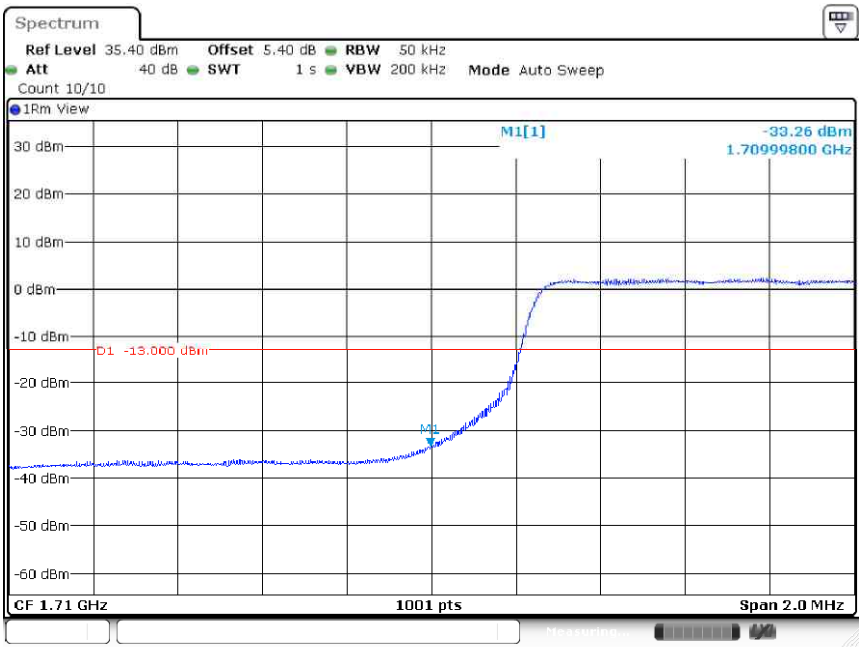

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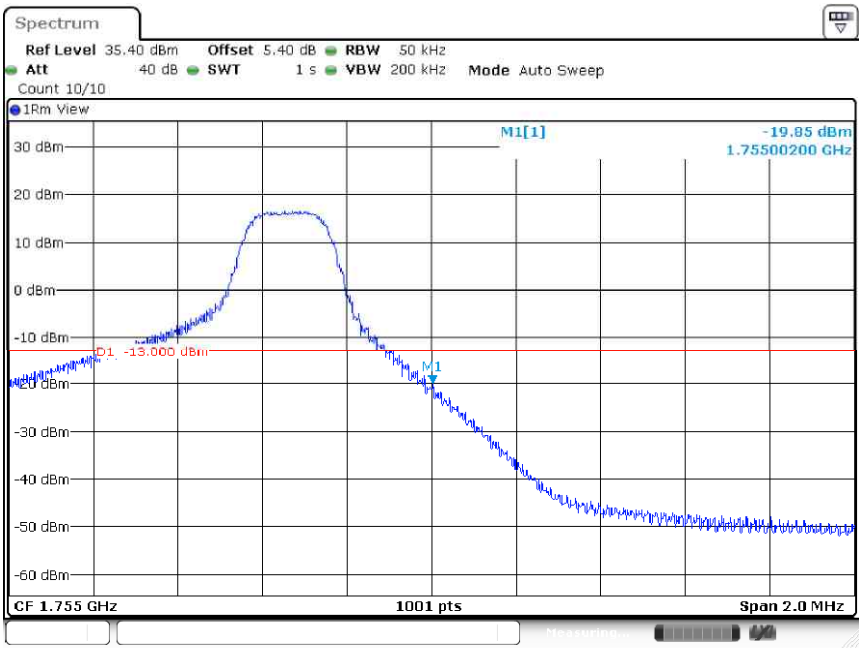
Band4-5MHz-64QAM-20375-1RB#24



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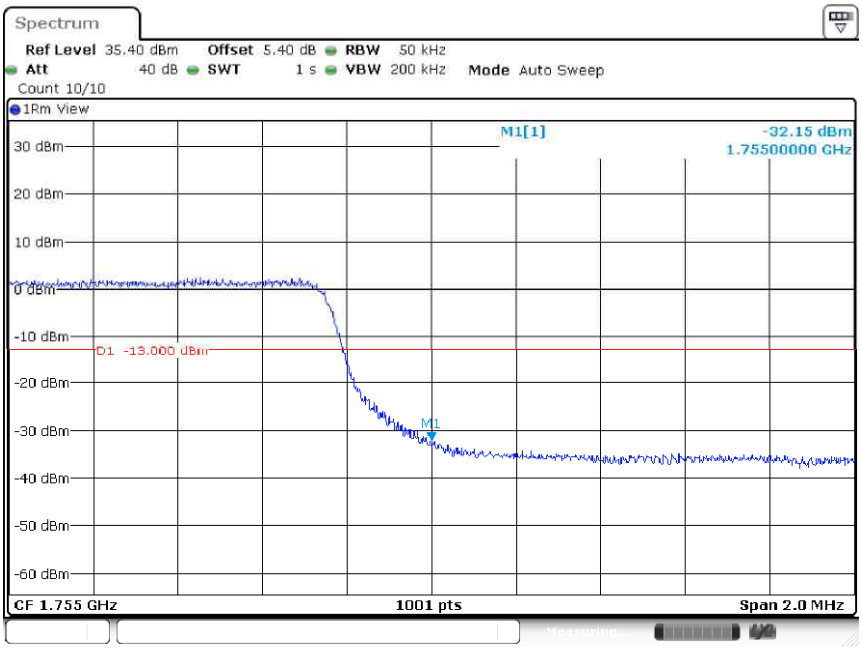
Band4-5MHz-64QAM-20375-25RB#0



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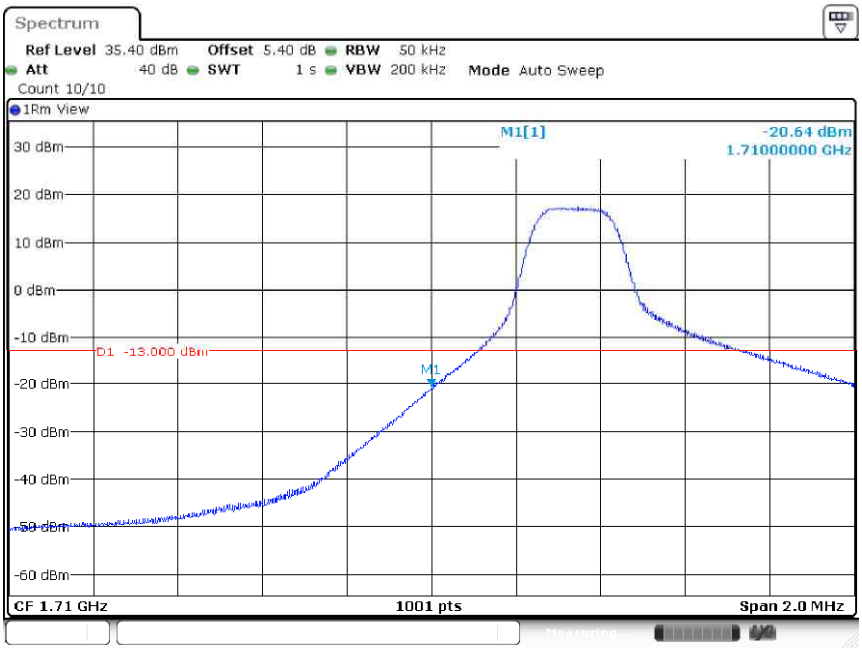

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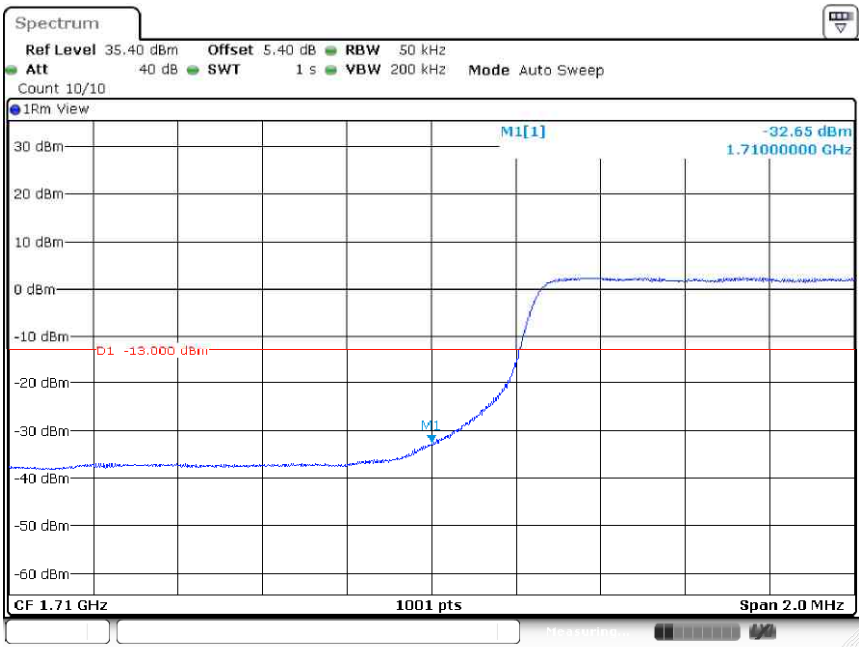

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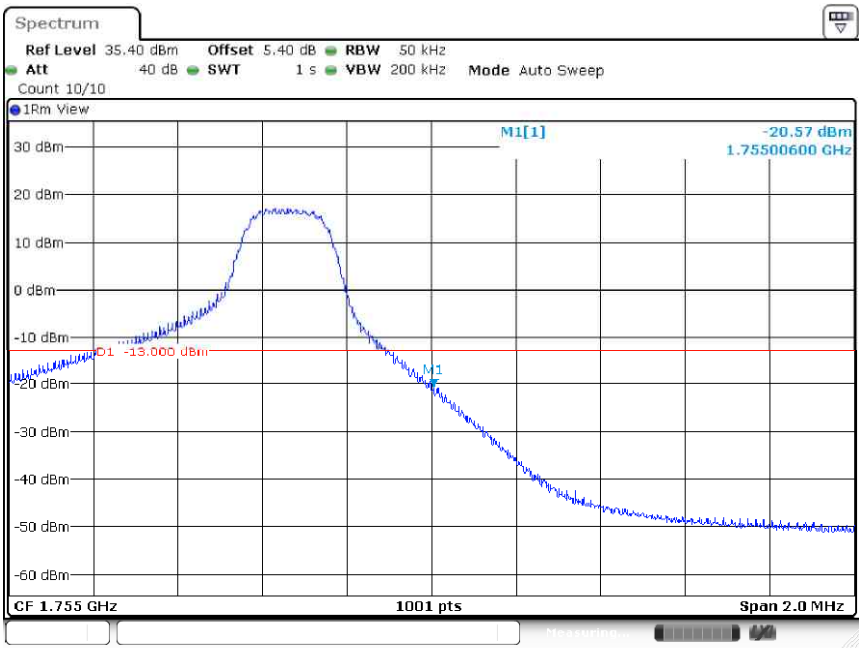
Band4-5MHz-16QAM-20375-1RB#24



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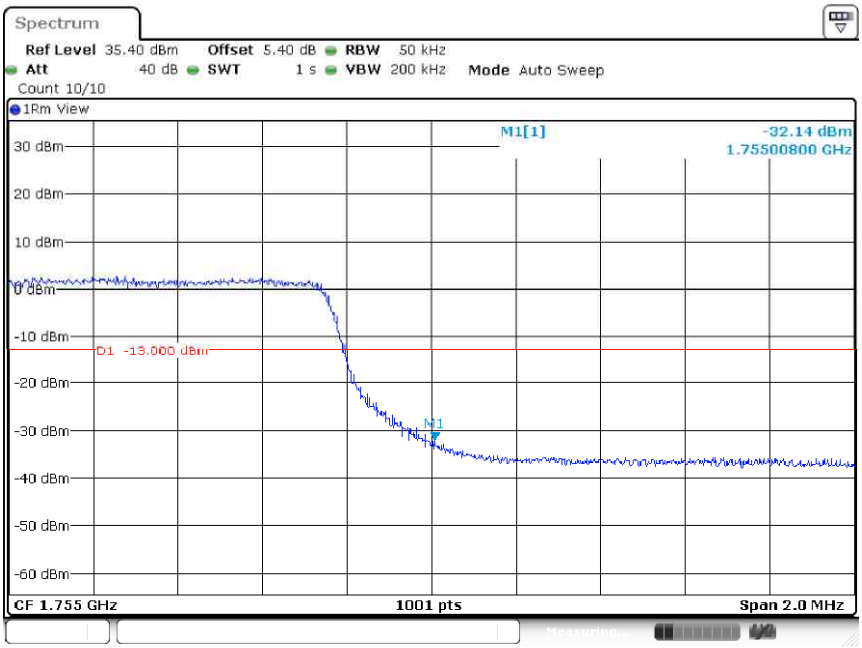

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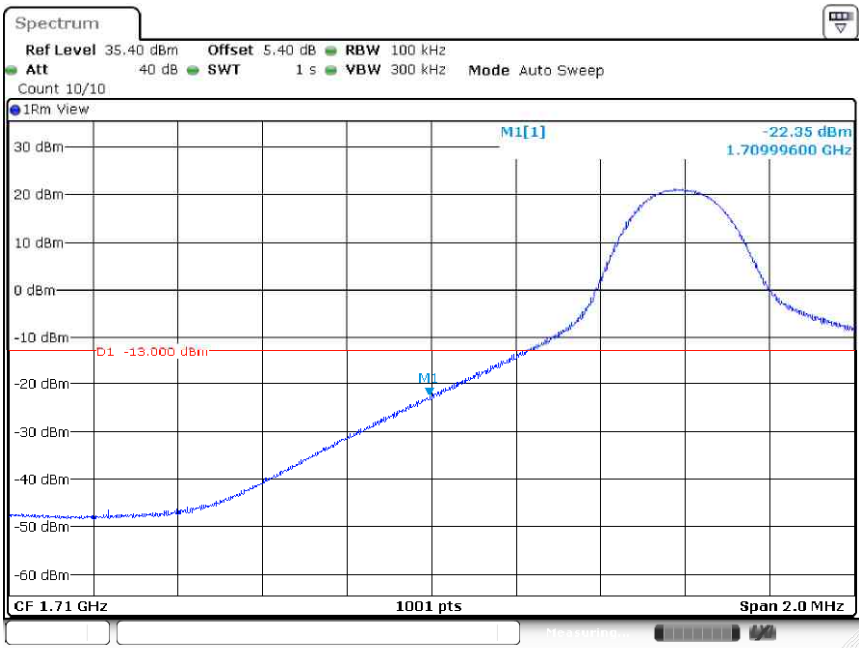

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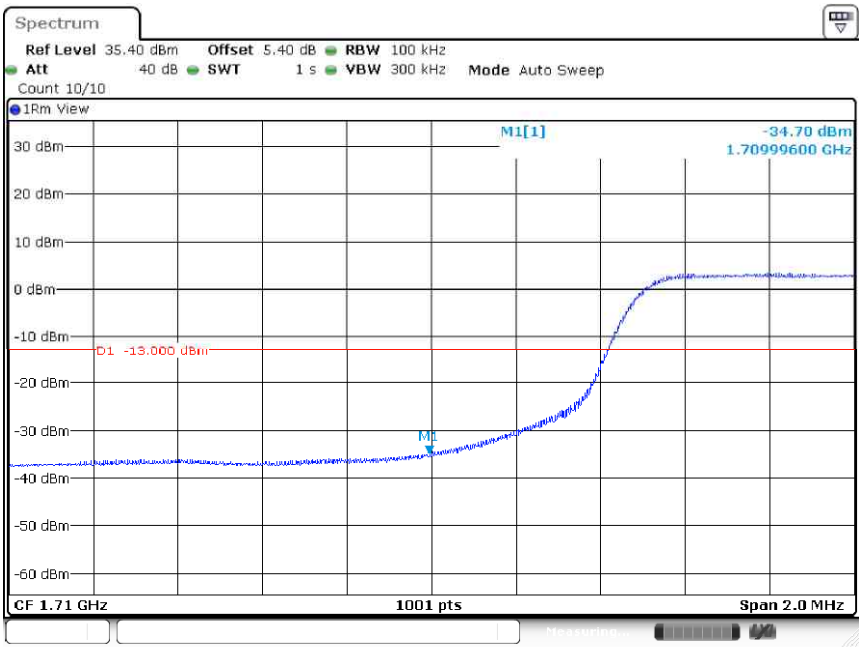
Band4-10MHz-QPSK-20000-50RB#0



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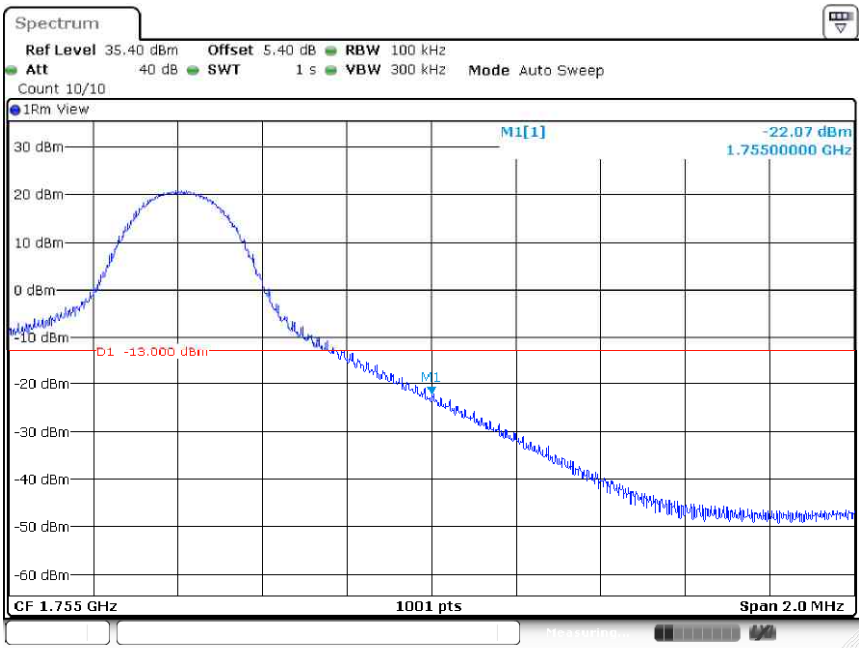
Band4-10MHz-QPSK-20350-1RB#49



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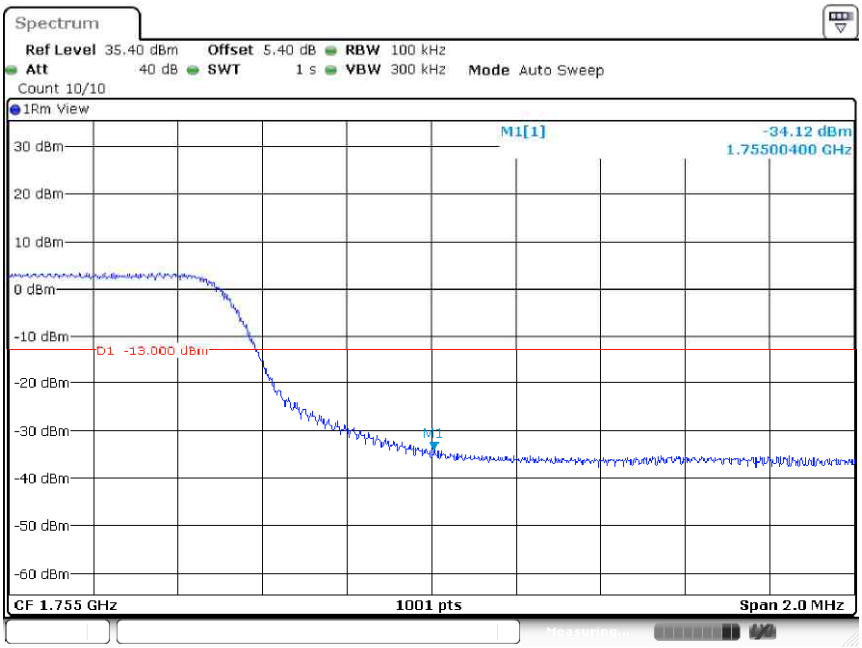
Band4-10MHz-QPSK-20350-50RB#0



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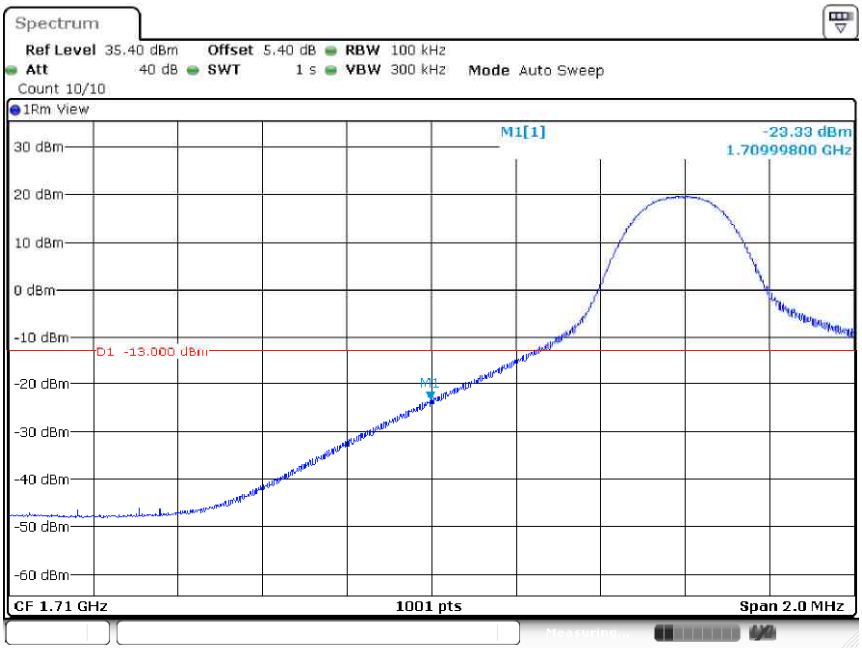
Band4-10MHz-64QAM-20000-1RB#0



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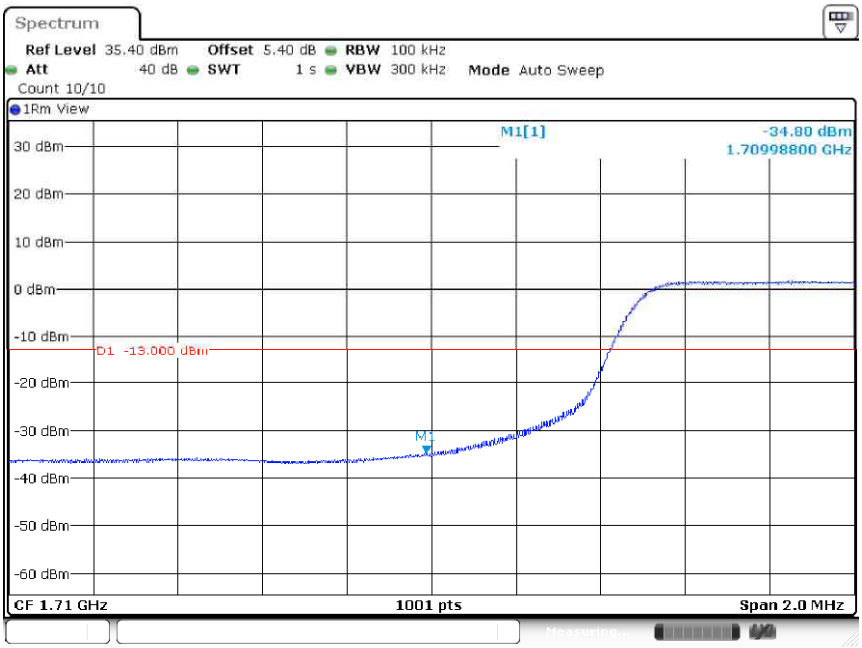

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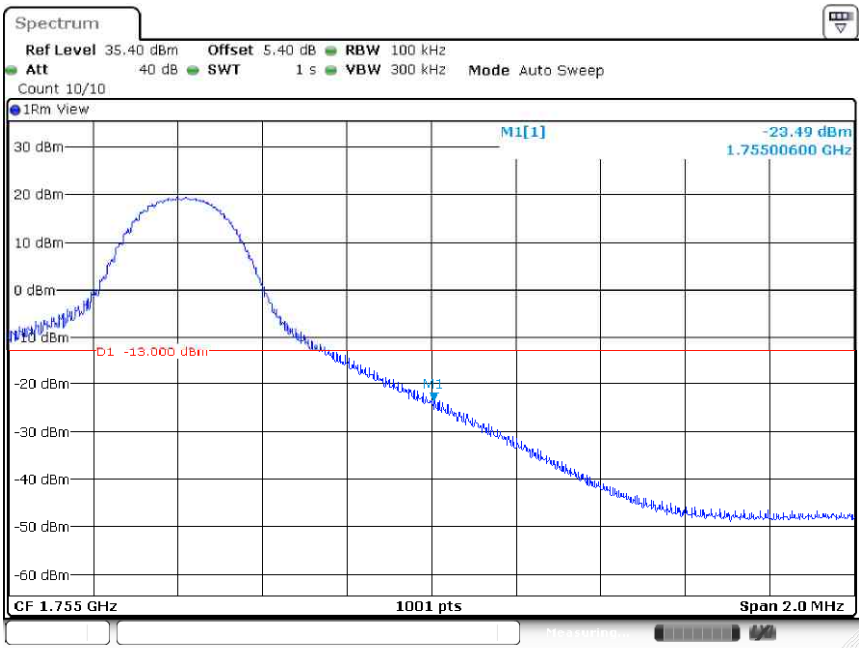
Band4-10MHz-64QAM-20350-1RB#49



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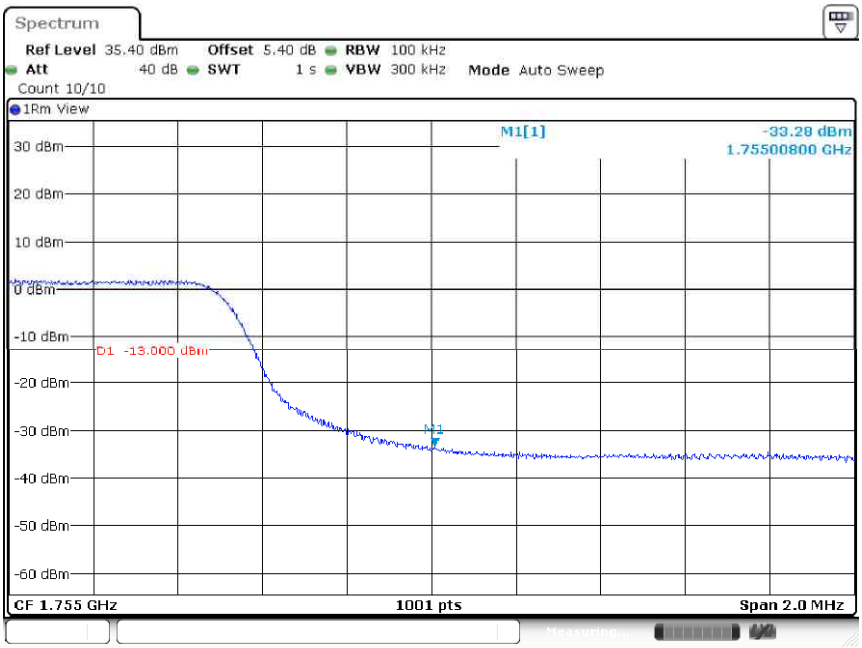
Band4-10MHz-64QAM-20350-50RB#0



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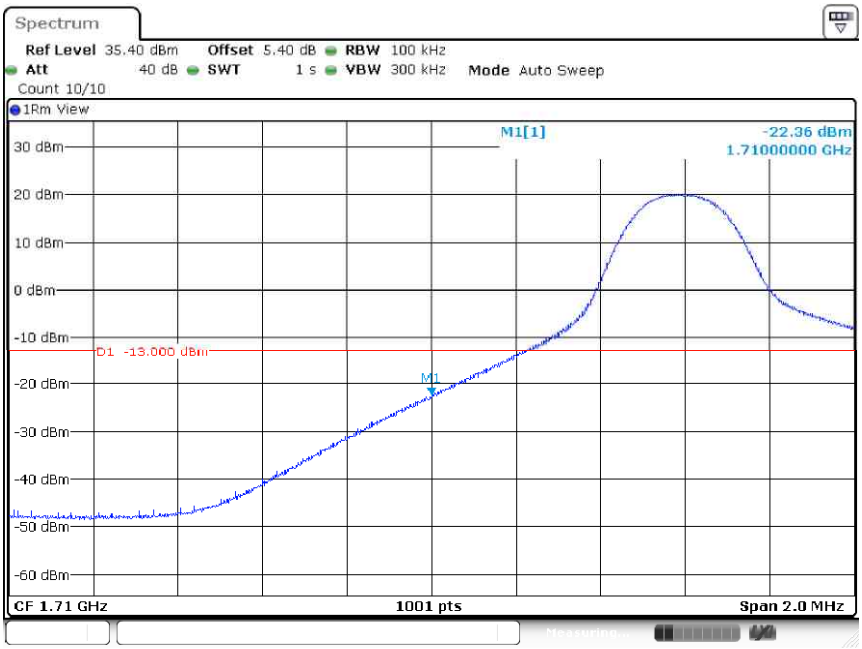

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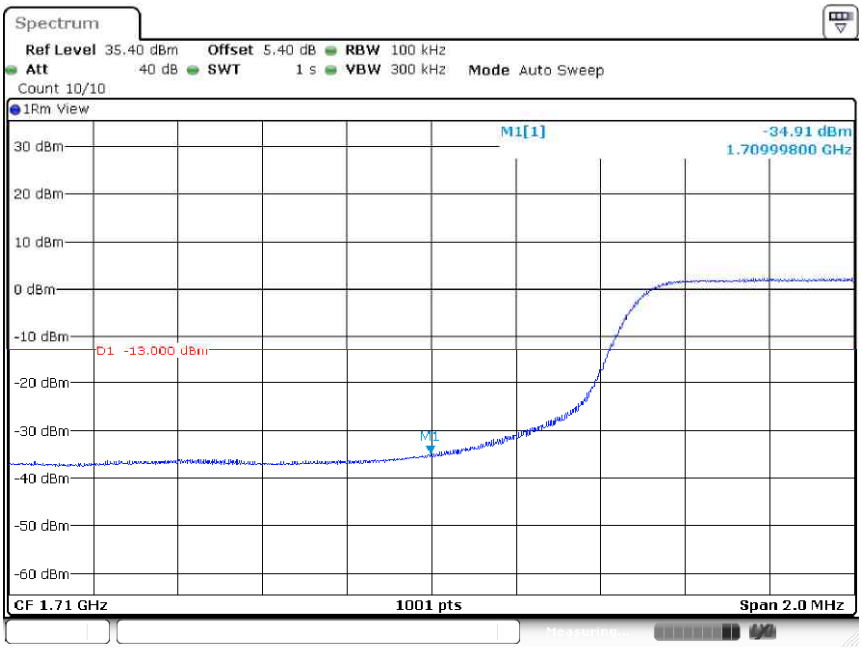
Band4-10MHz-16QAM-20000-50RB#0



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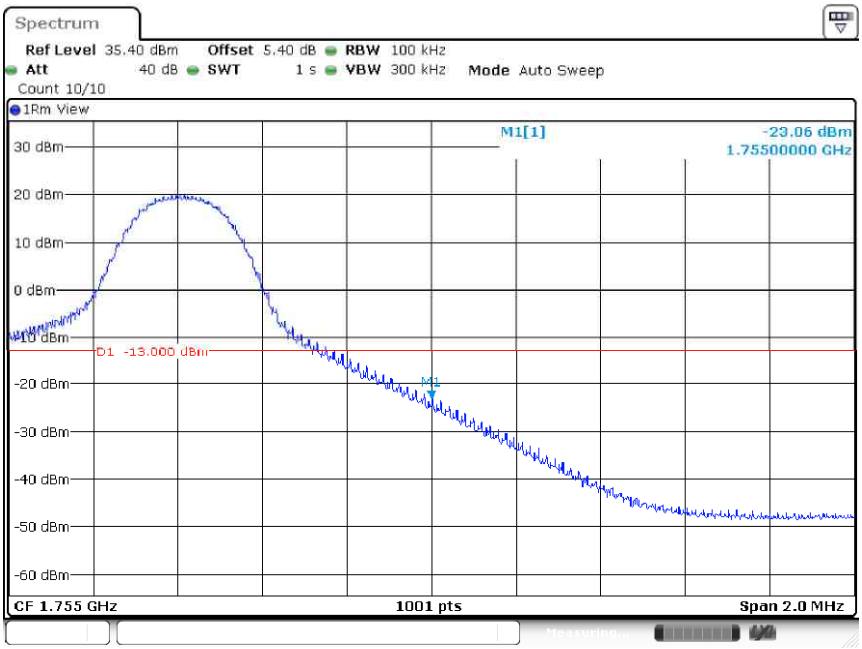
Band4-10MHz-16QAM-20350-1RB#49



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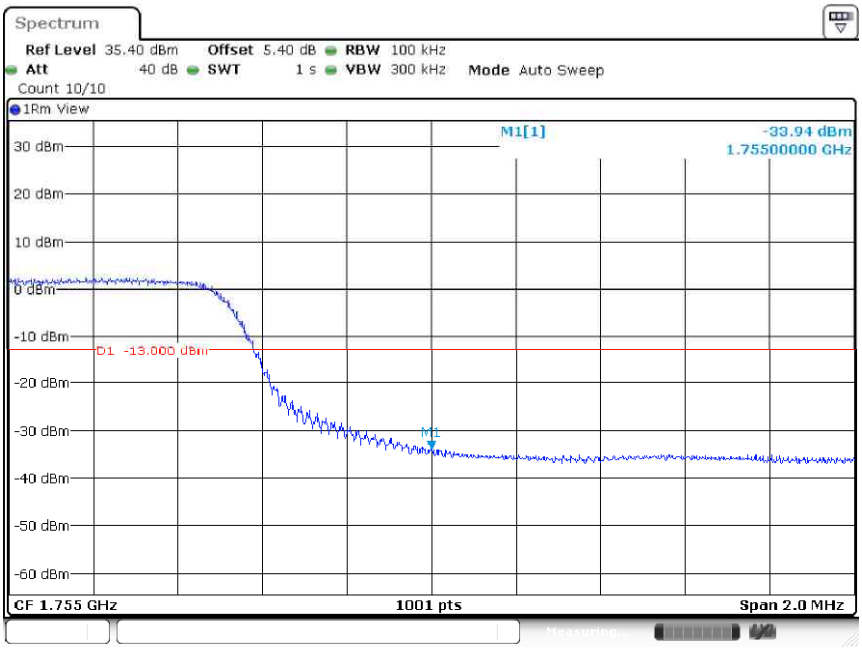
Band4-10MHz-16QAM-20350-50RB#0



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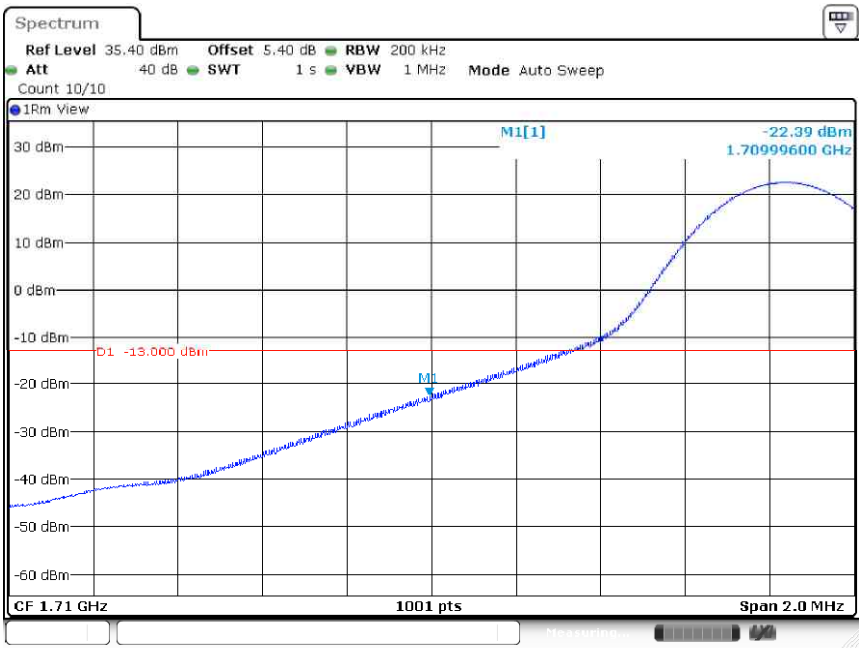
Band4-15MHz-QPSK-20025-1RB#0



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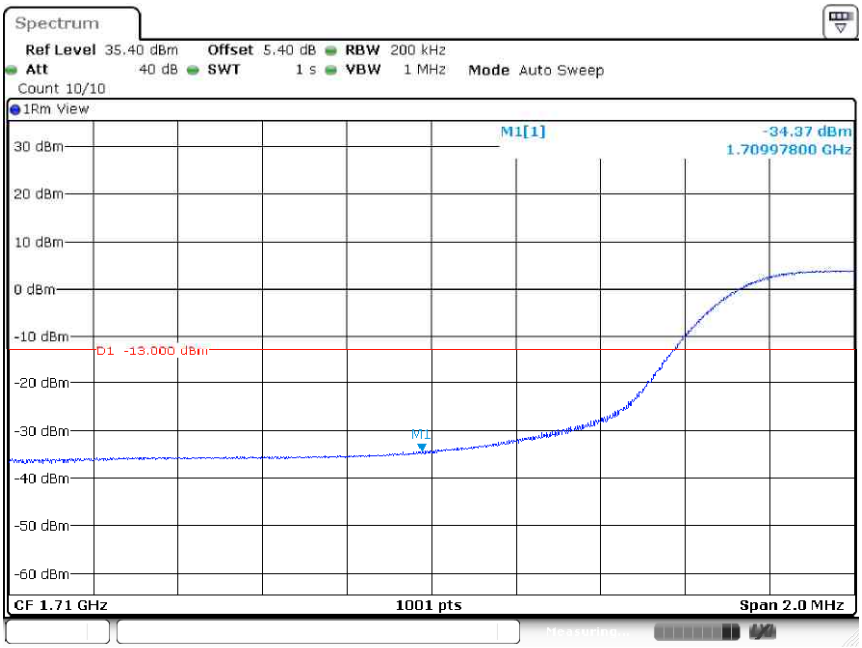
Band4-15MHz-QPSK-20025-75RB#0



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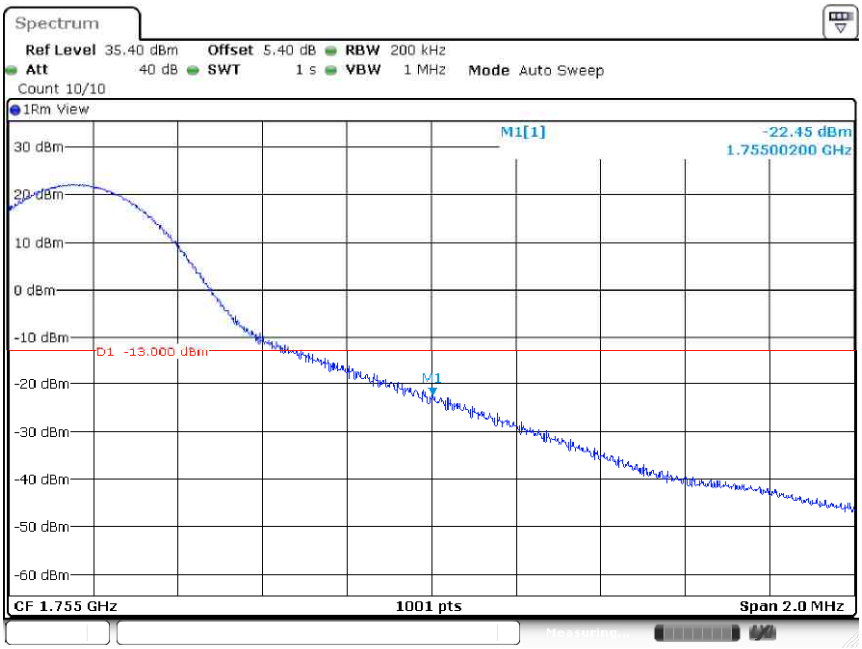

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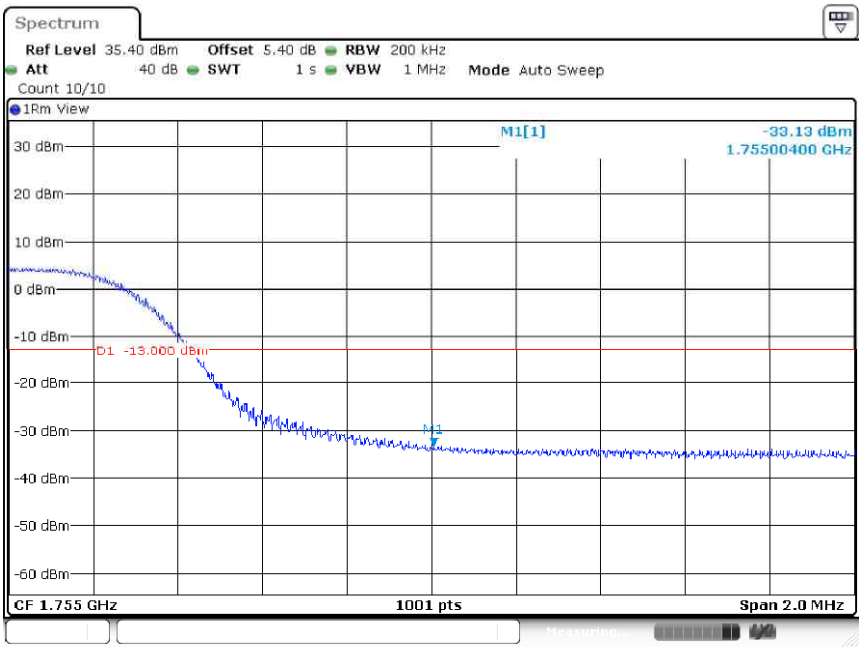

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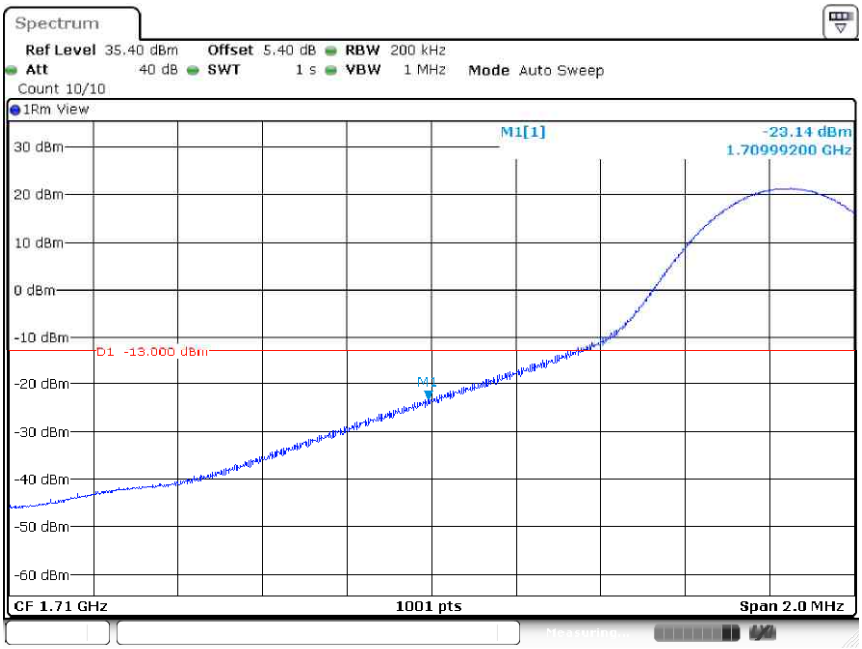

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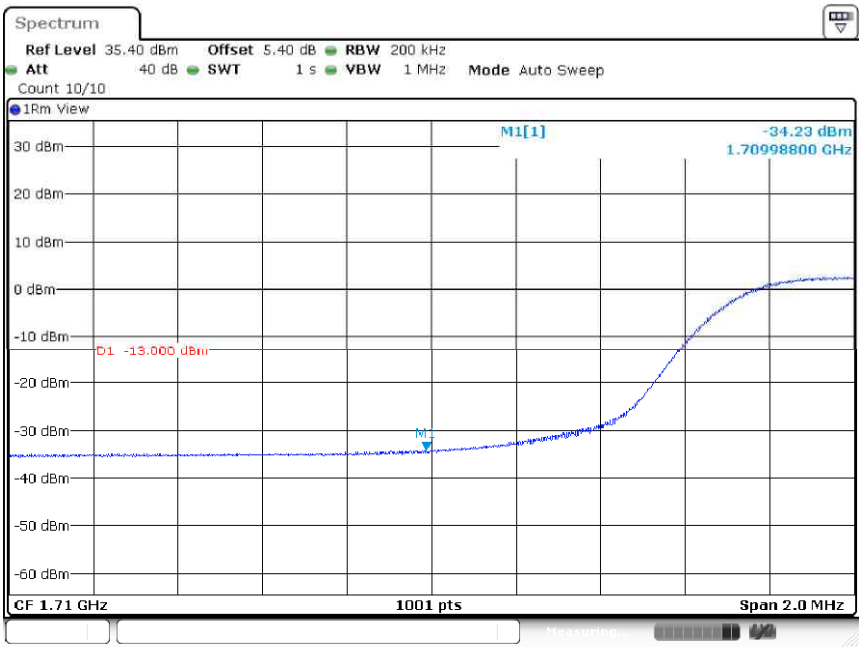
Band4-15MHz-64QAM-20025-75RB#0



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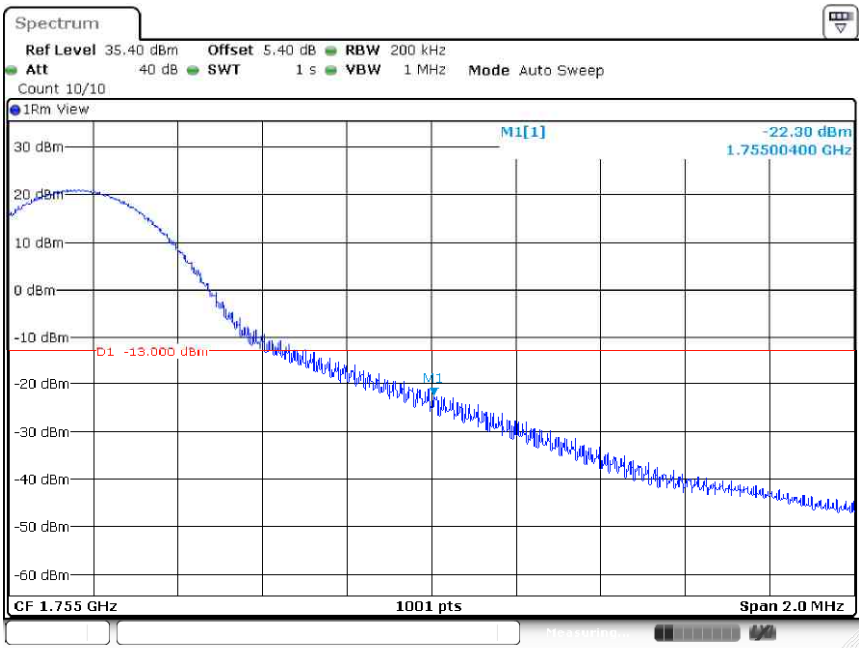

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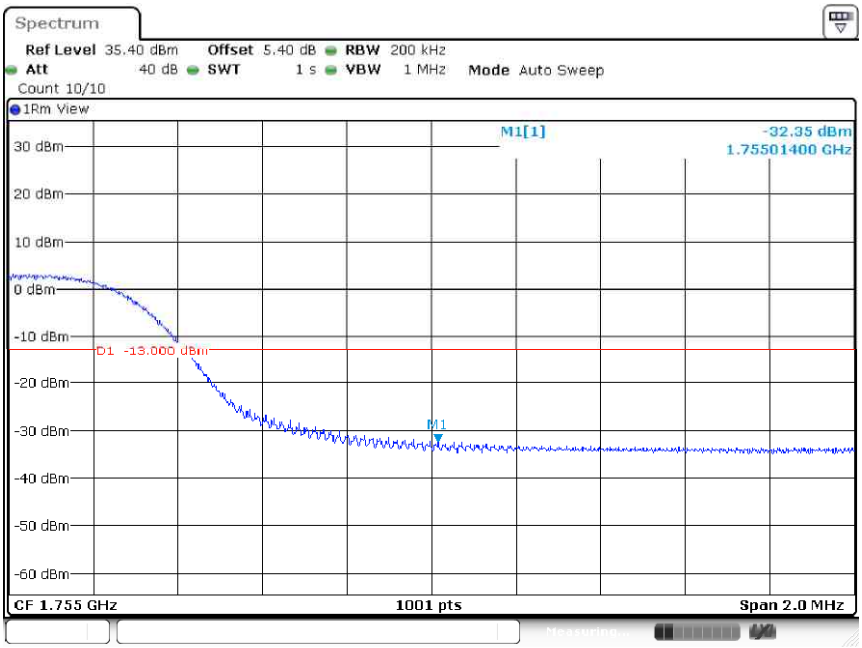

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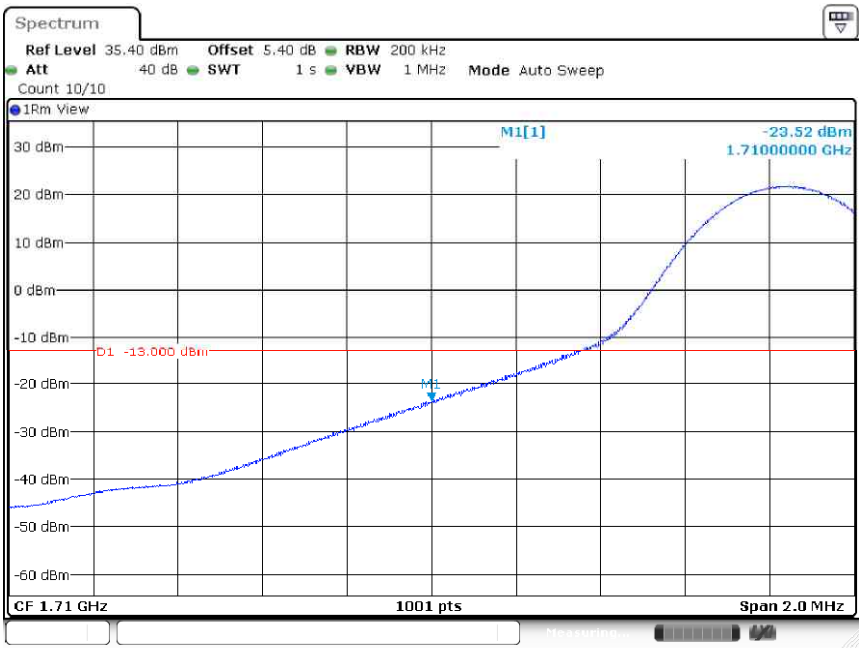

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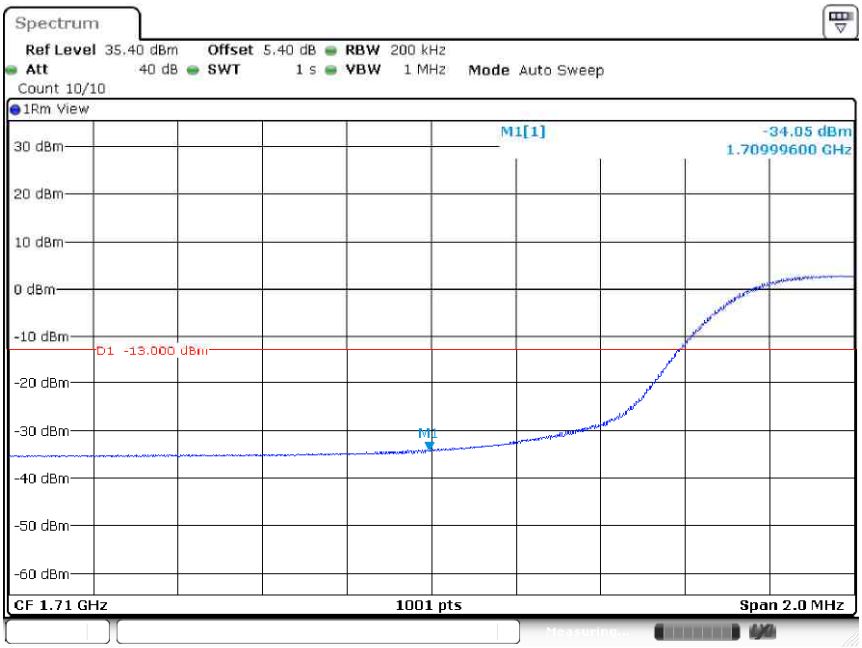
Band4-15MHz-16QAM-20025-75RB#0



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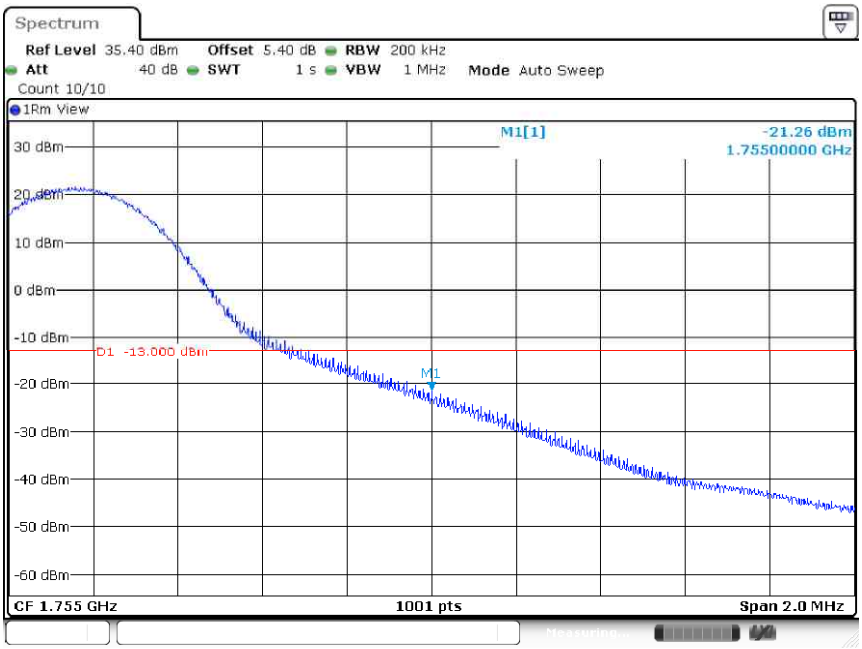
Band4-15MHz-16QAM-20325-1RB#74



Date: 23.JUN.2020 11:45:06

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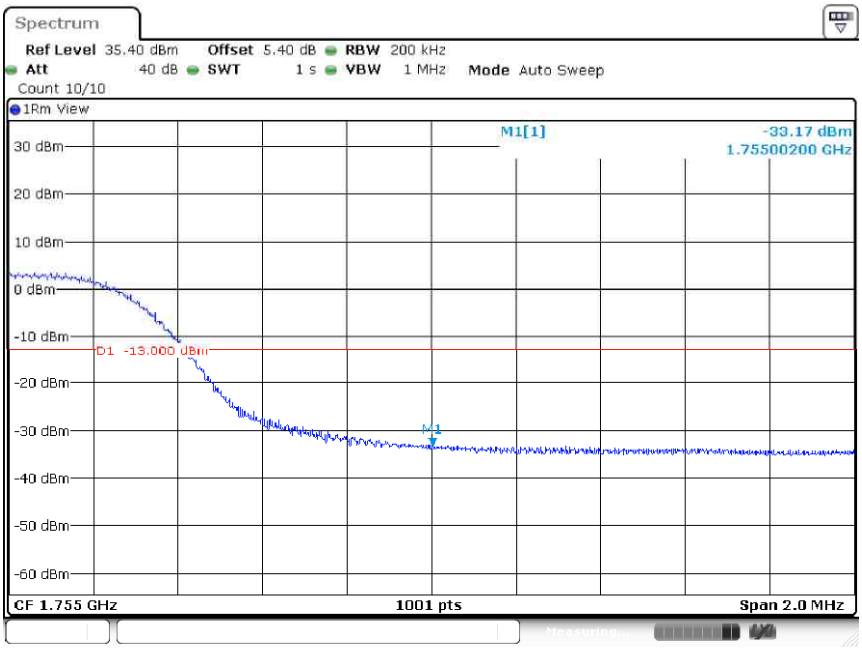
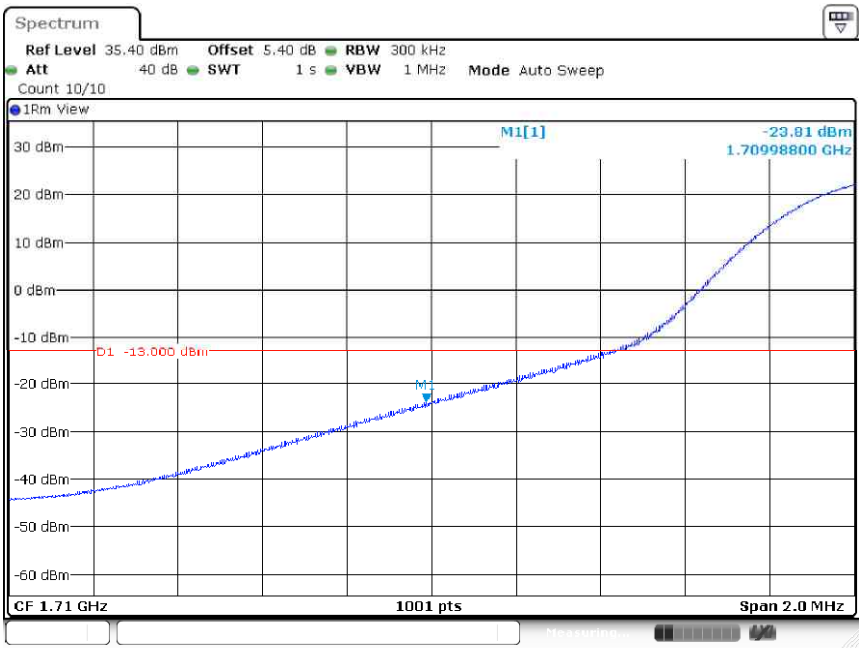
Band4-15MHz-16QAM-20325-75RB#0



Date: 23.JUN.2020 11:45:47

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



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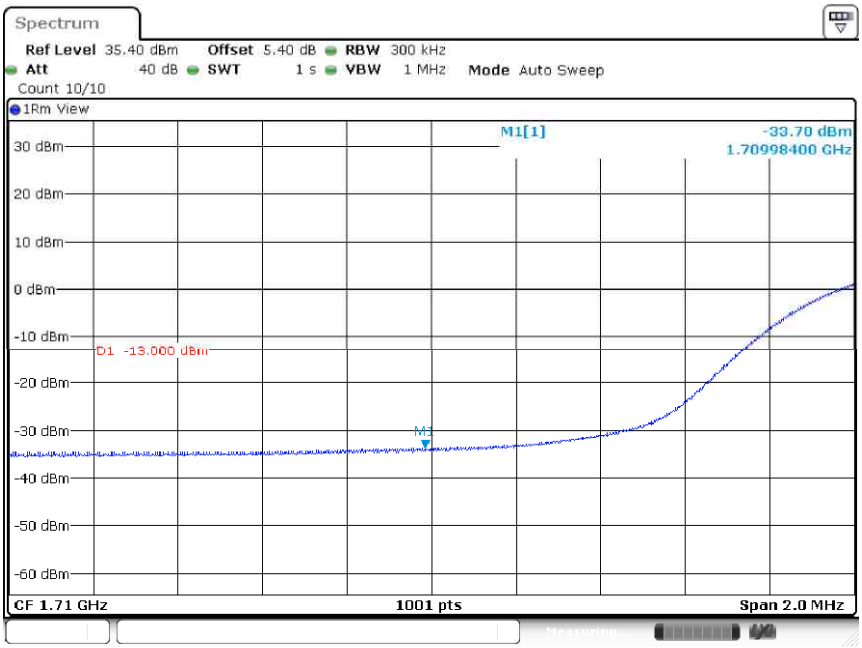
Band4-20MHz-QPSK-20050-100RB#0



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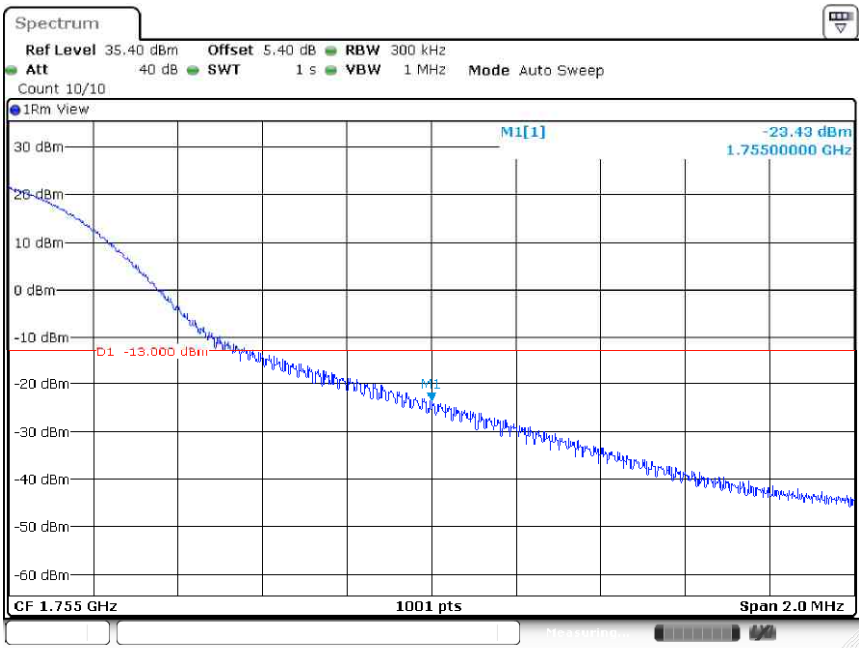
Band4-20MHz-QPSK-20300-1RB#99



Date: 23.JUN.2020 11:47:39

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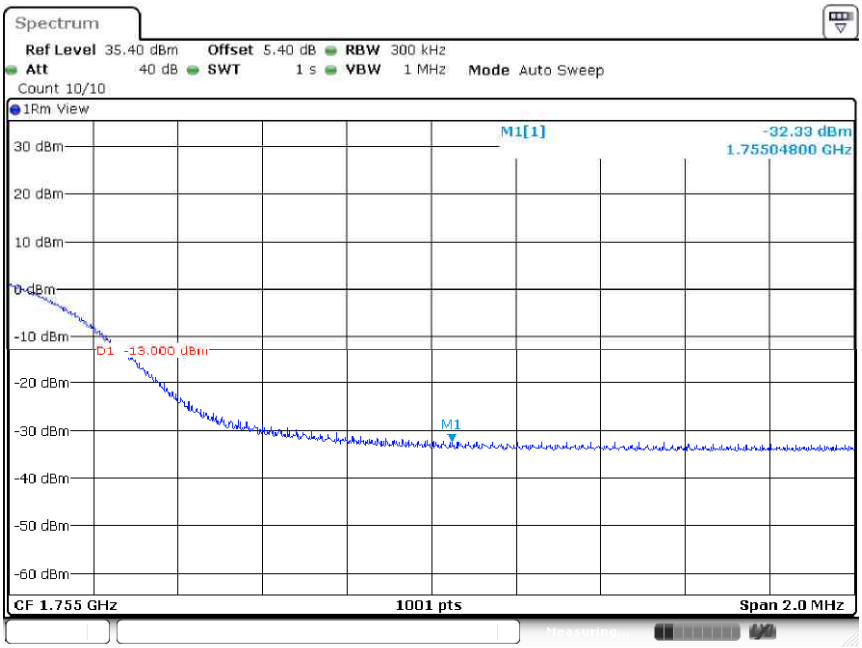
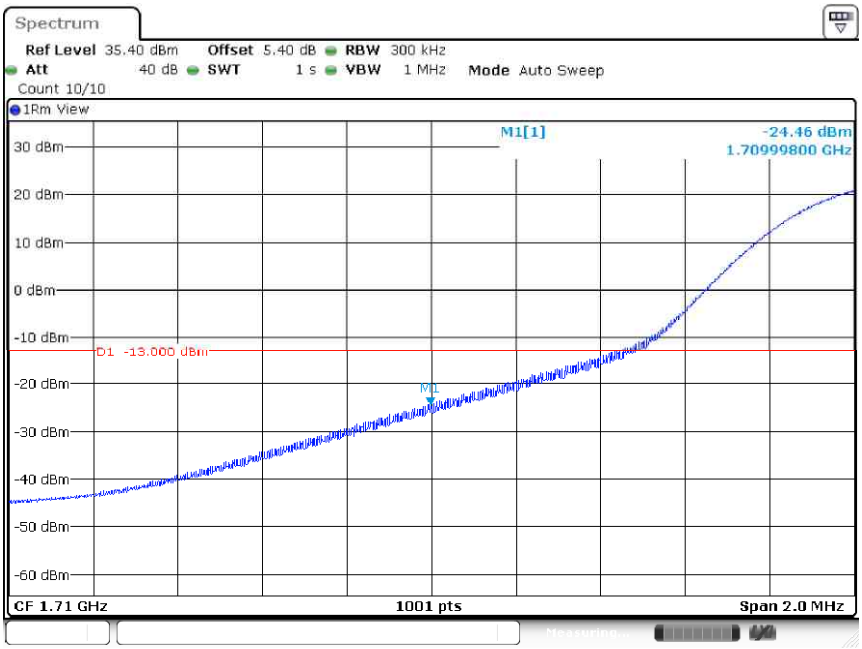
Band4-20MHz-QPSK-20300-100RB#0



Date: 23.JUN.2020 11:48:20

Band4-20MHz-64QAM-20050-1RB#0



Date: 24.JUN.2020 02:10:53

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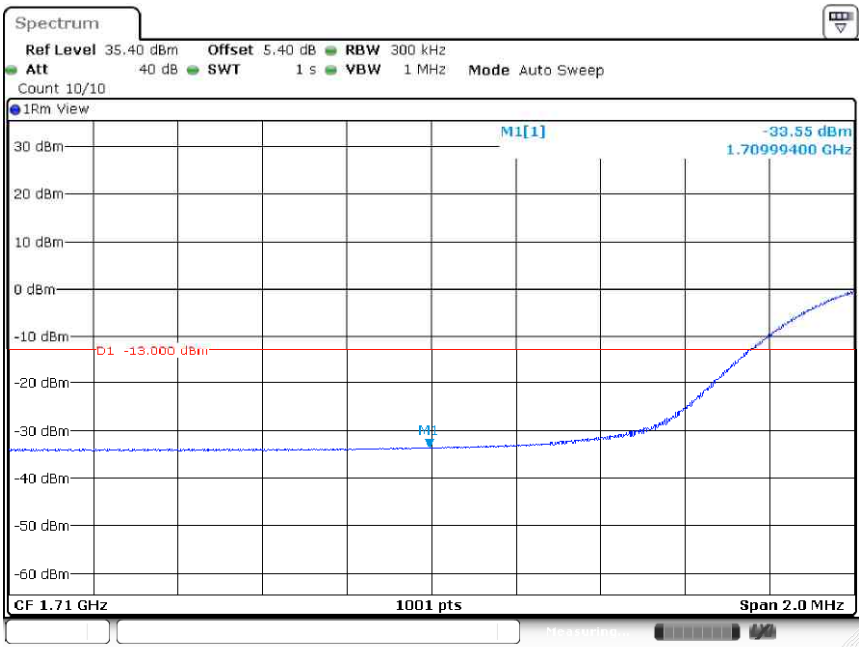
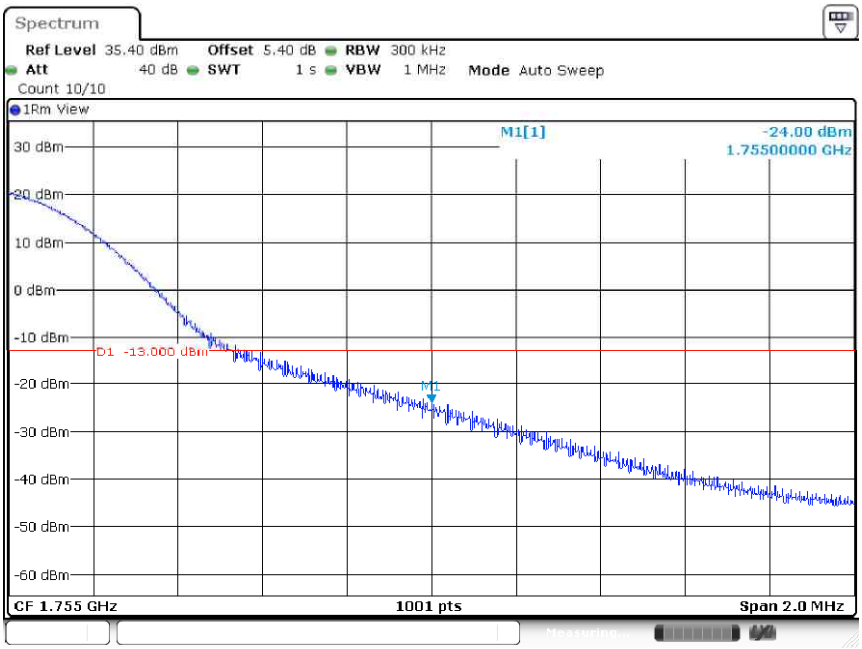
Band4-20MHz-64QAM-20050-100RB#0



Date: 24.JUN.2020 02:11:13

Band4-20MHz-64QAM-20300-1RB#99



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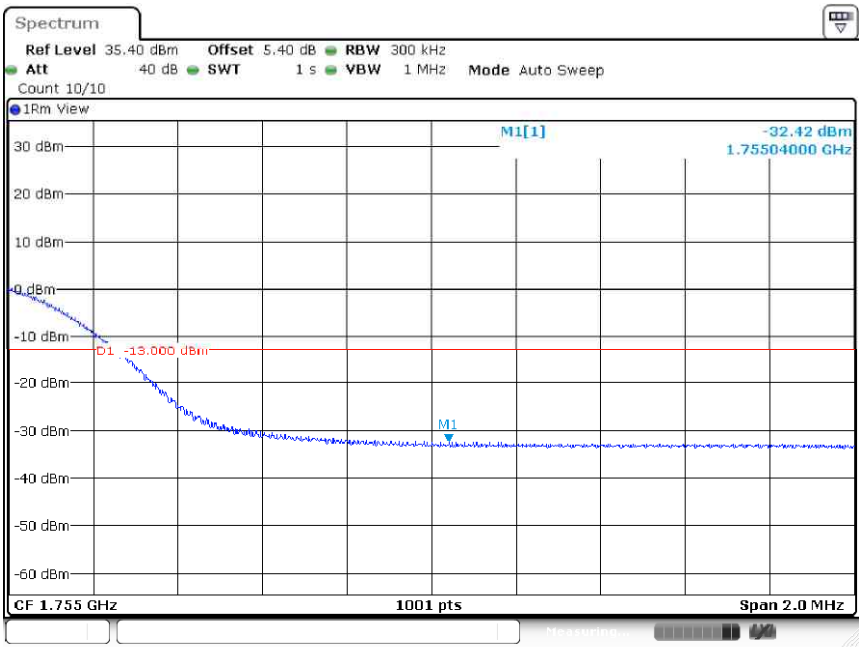
Band4-20MHz-64QAM-20300-100RB#0



Date: 24.JUN.2020 02:11:59

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

Date: 23.JUN.2020 11:46:33

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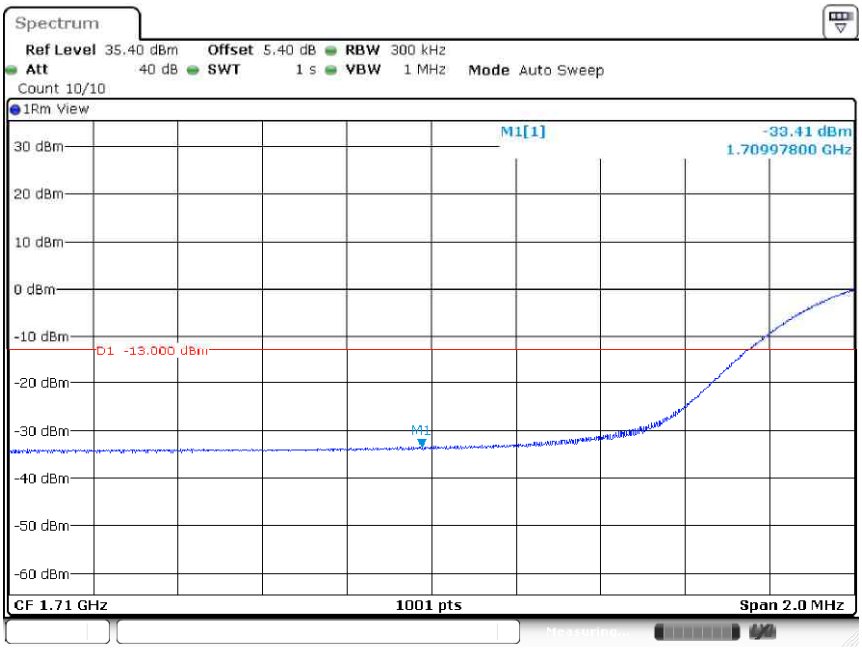
Band4-20MHz-16QAM-20050-100RB#0



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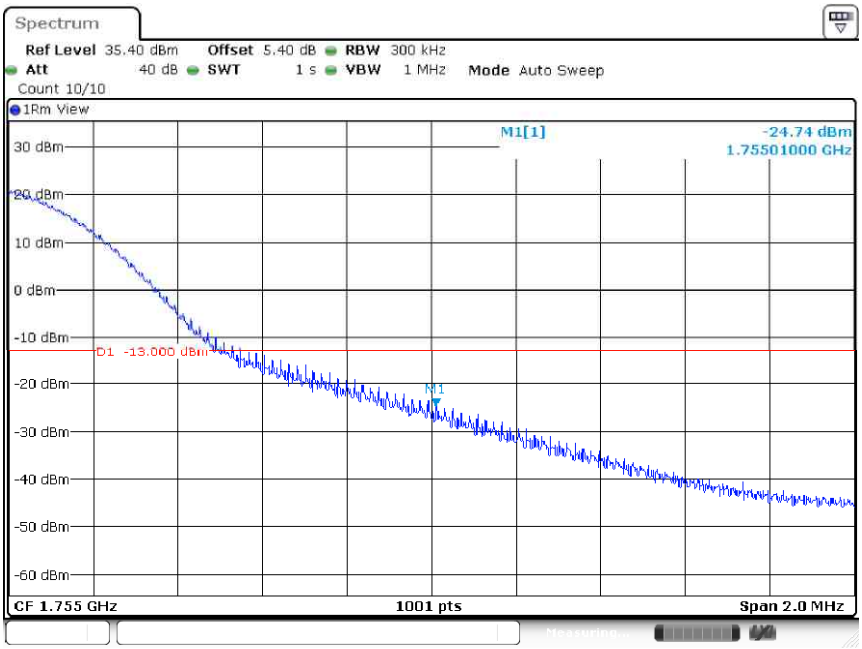
Band4-20MHz-16QAM-20300-1RB#99



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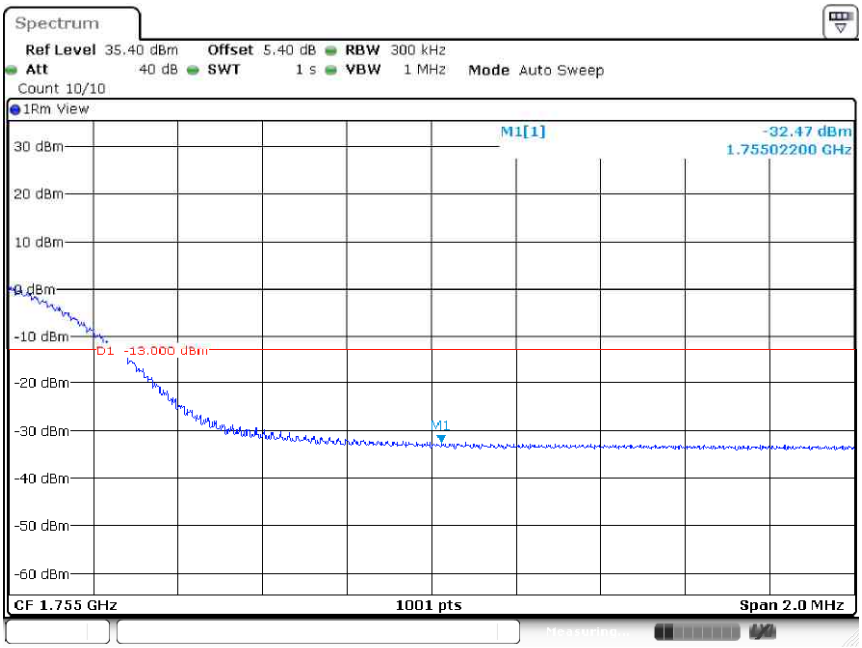
Band4-20MHz-16QAM-20300-100RB#0



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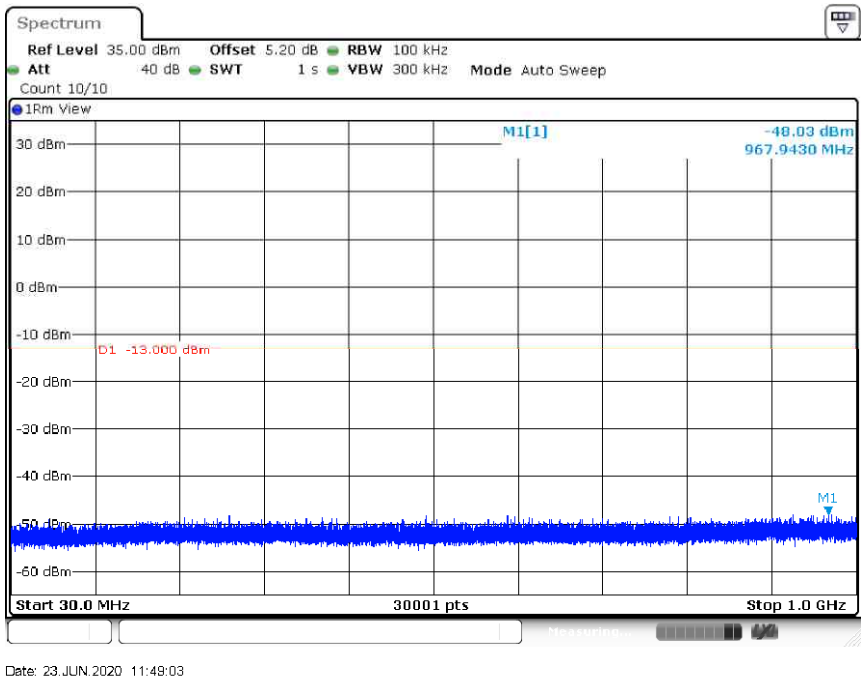
6. Spurious Emission at Antenna Terminal

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



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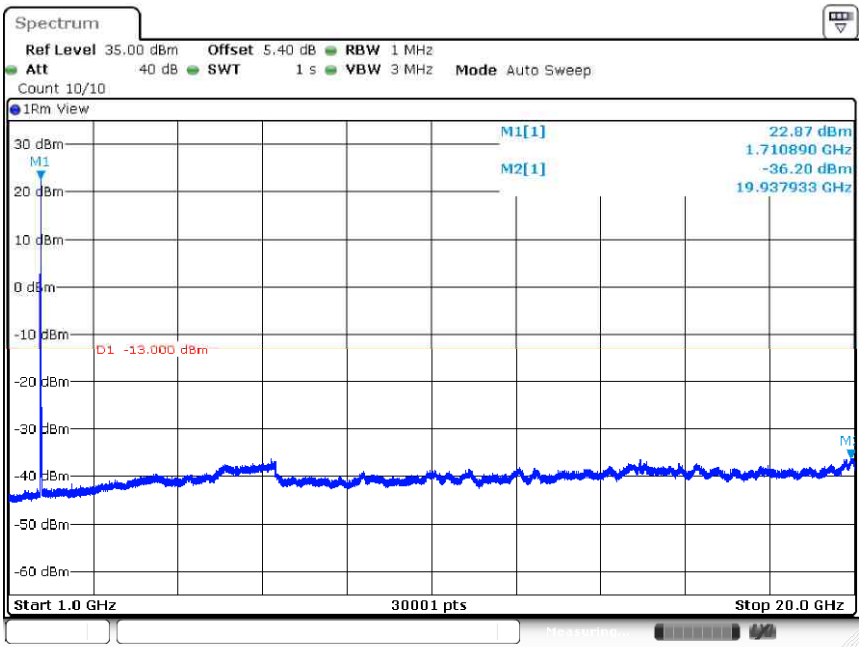
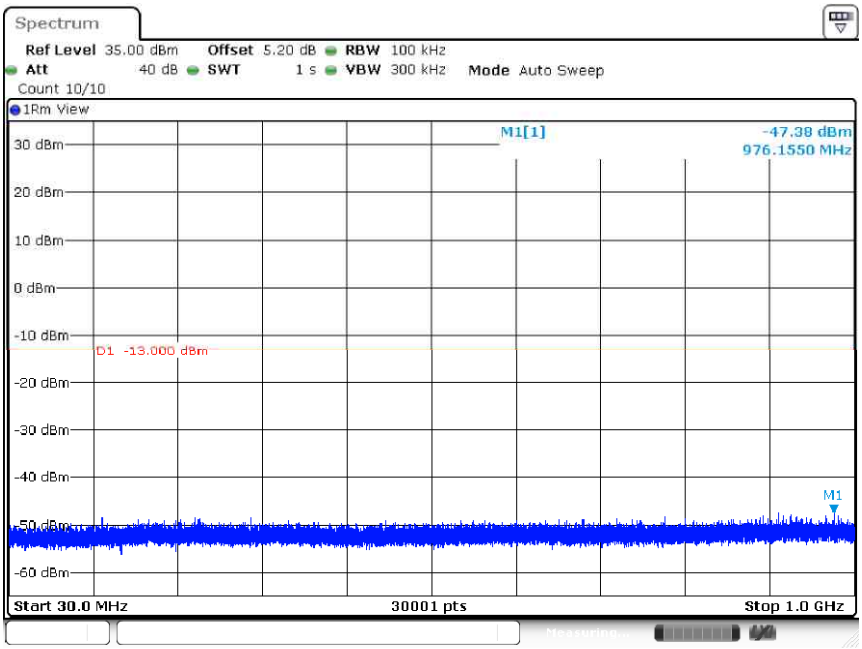
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 23.JUN.2020 11:49:20

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



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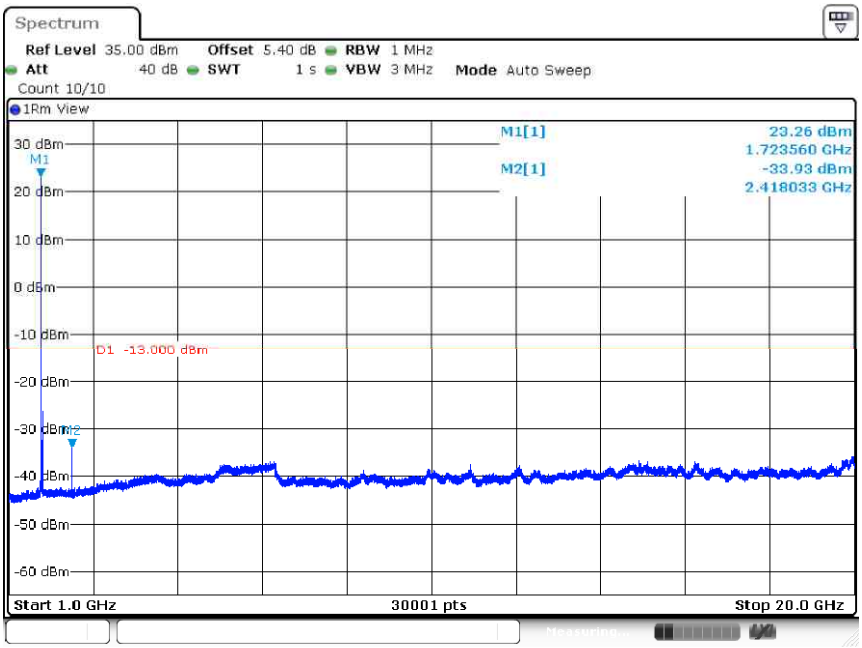
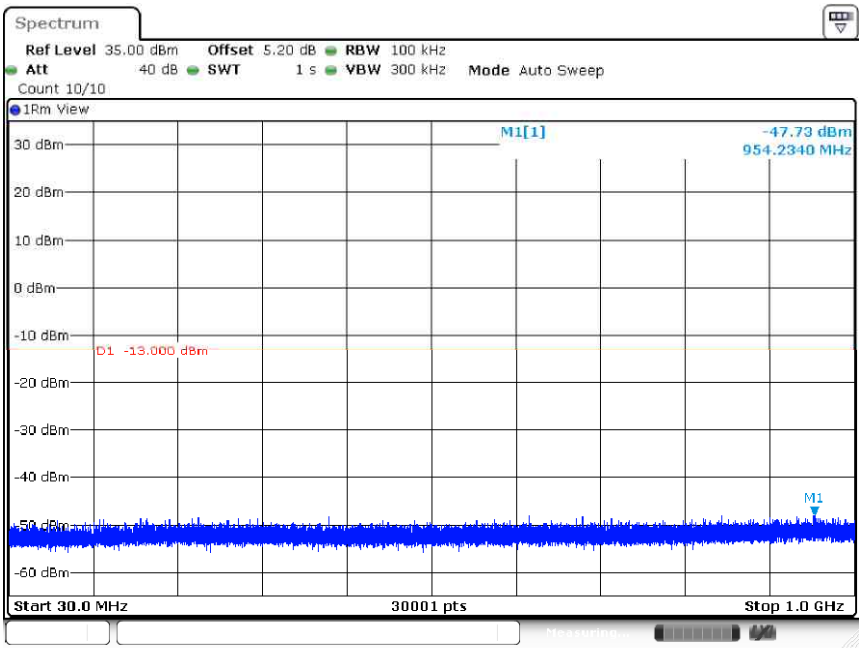
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 23.JUN.2020 11:50:30

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



Date: 23.JUN.2020 11:51:24

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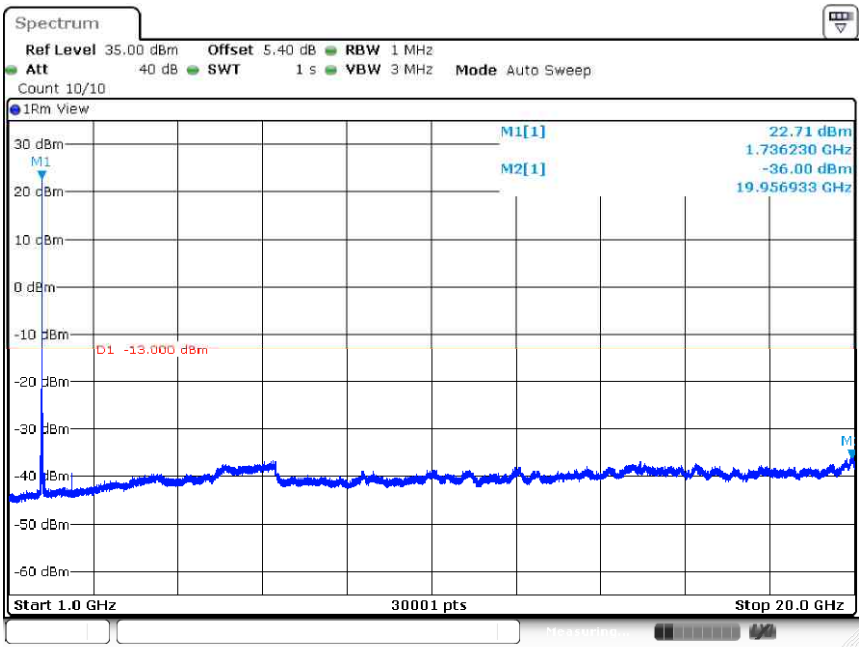
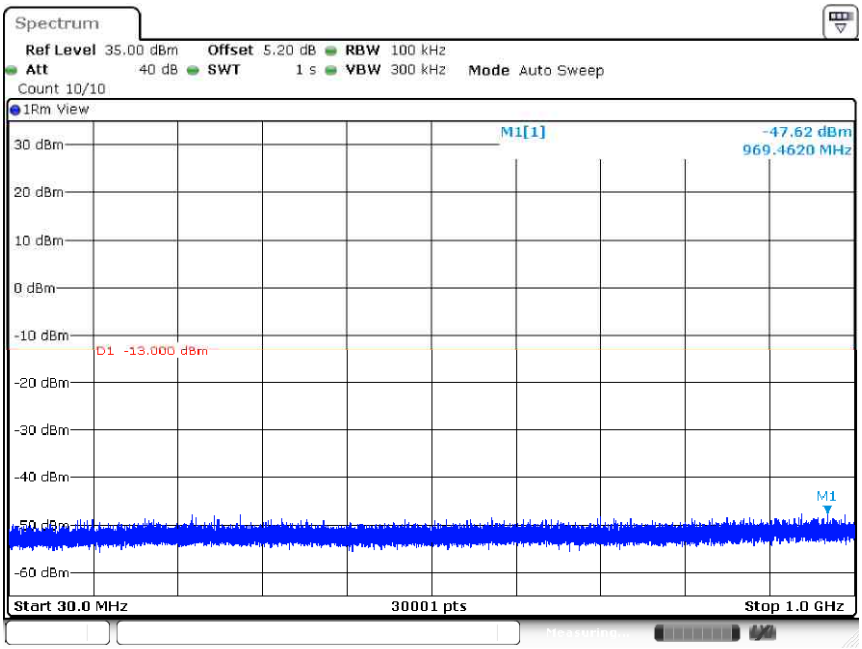
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 23.JUN.2020 11:51:40

Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz



Date: 24.JUN.2020 02:12:22

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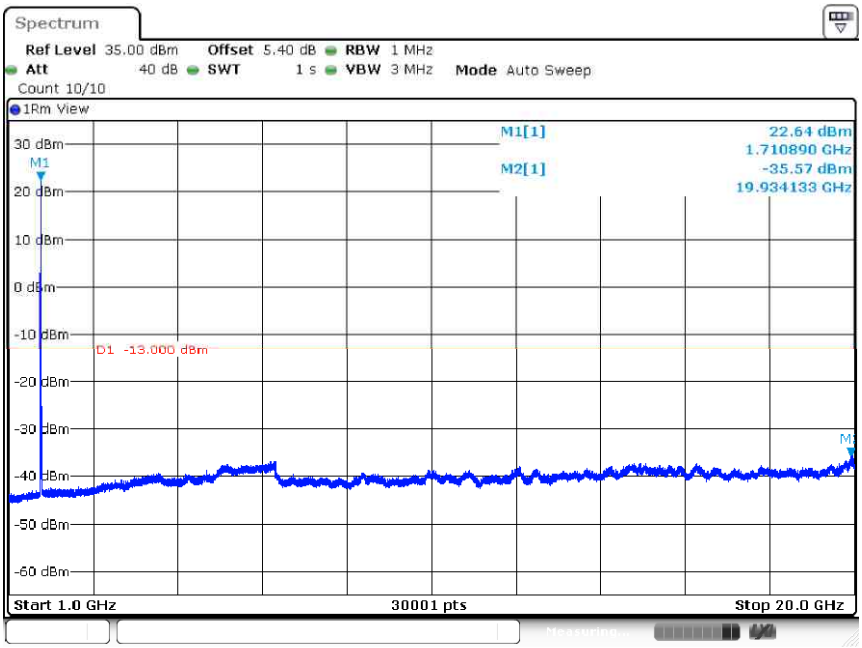
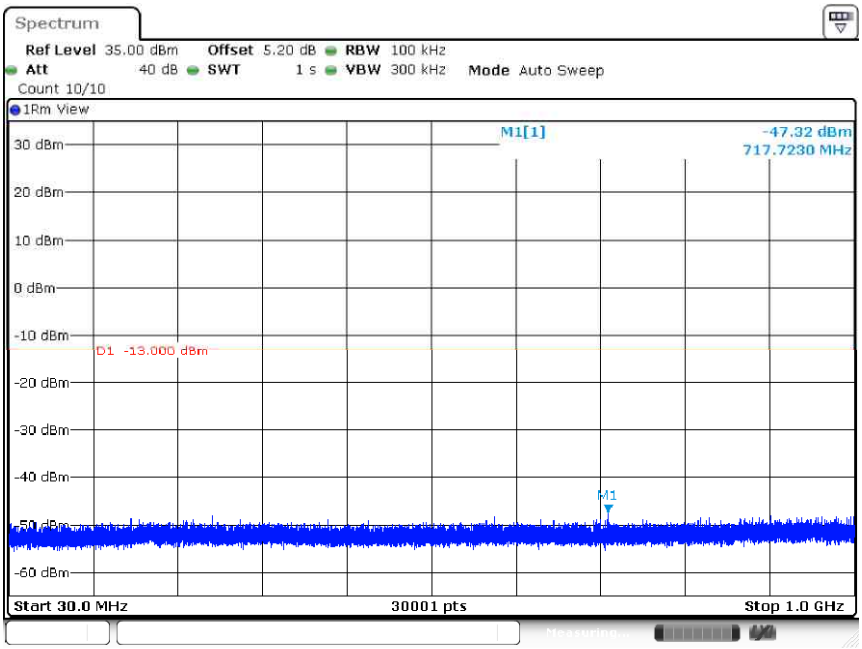
Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 24.JUN.2020 02:12:38

Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz



Date: 24.JUN.2020 02:12:57

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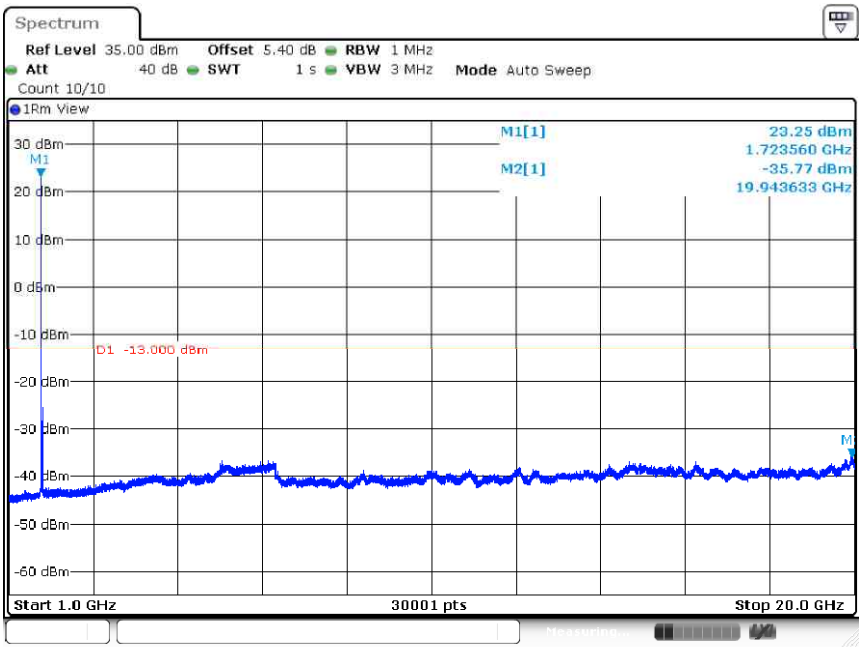
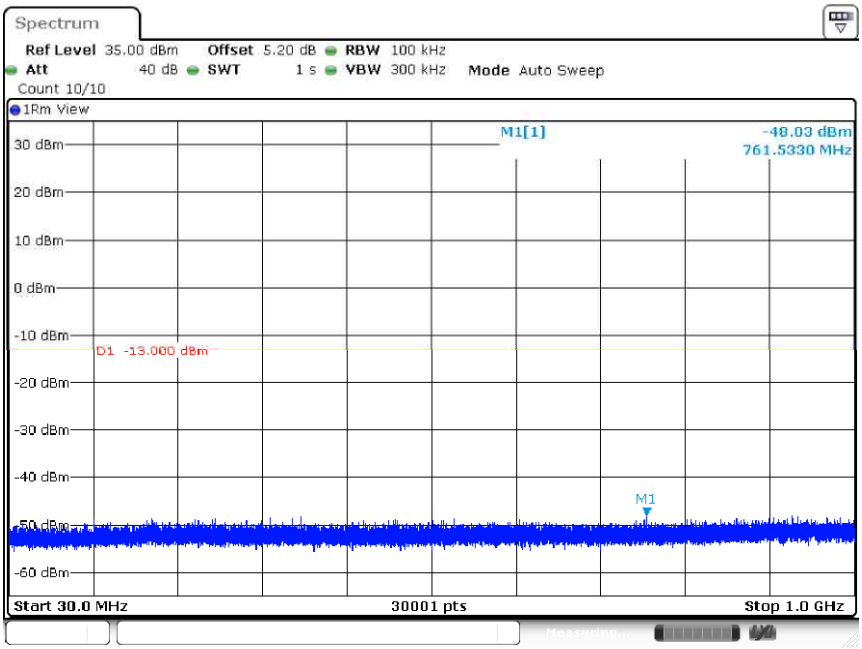
Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 24.JUN.2020 02:13:13

Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz



Date: 24.JUN.2020 02:13:32

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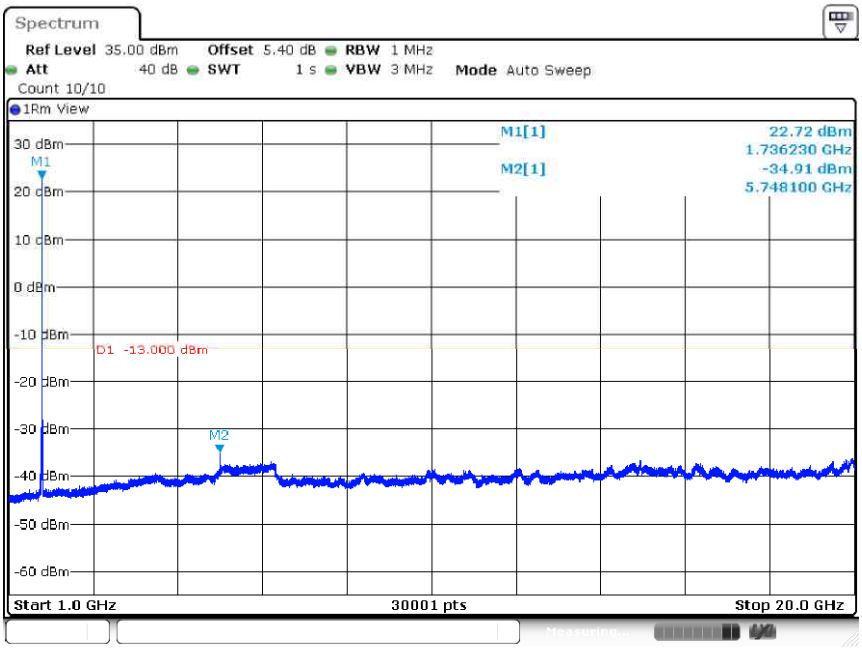
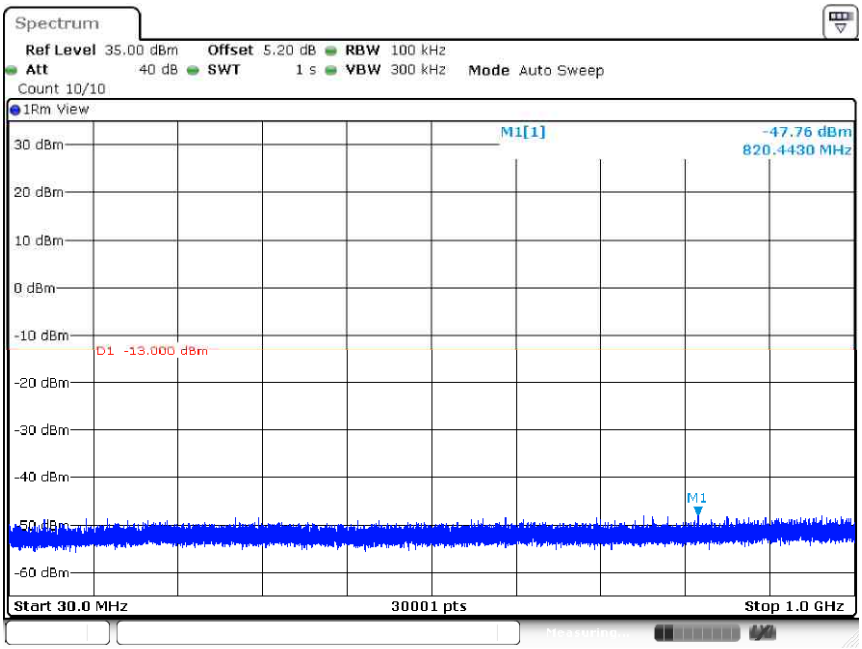
Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 24.JUN.2020 02:13:48

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



Date: 23.JUN.2020 11:49:38

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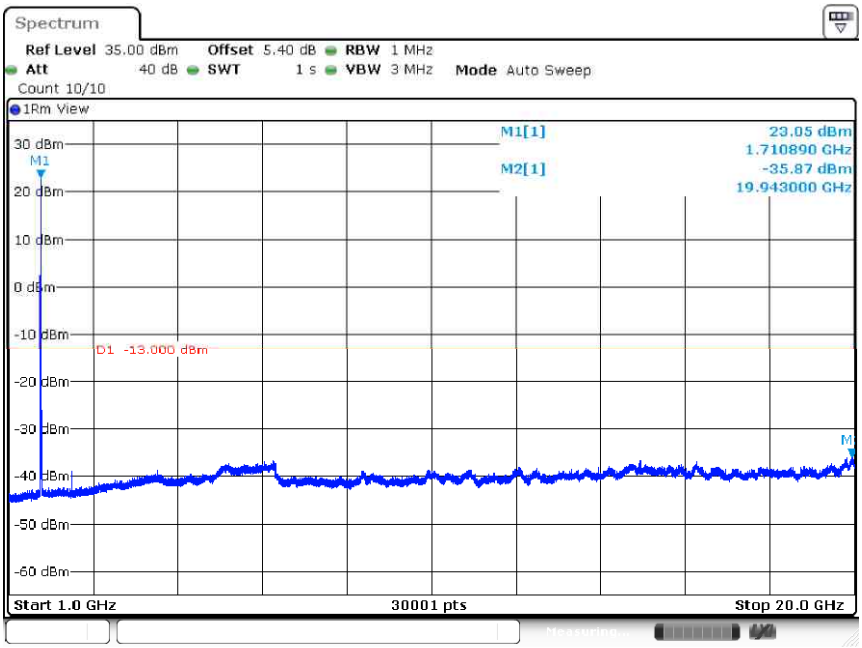
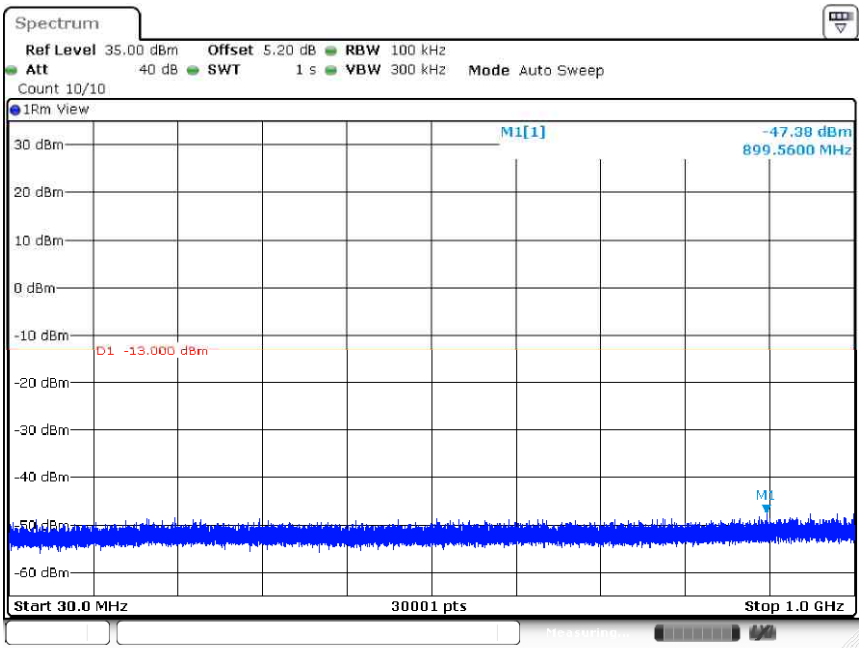
Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 23.JUN.2020 11:49:55

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



Date: 23.JUN.2020 11:50:49

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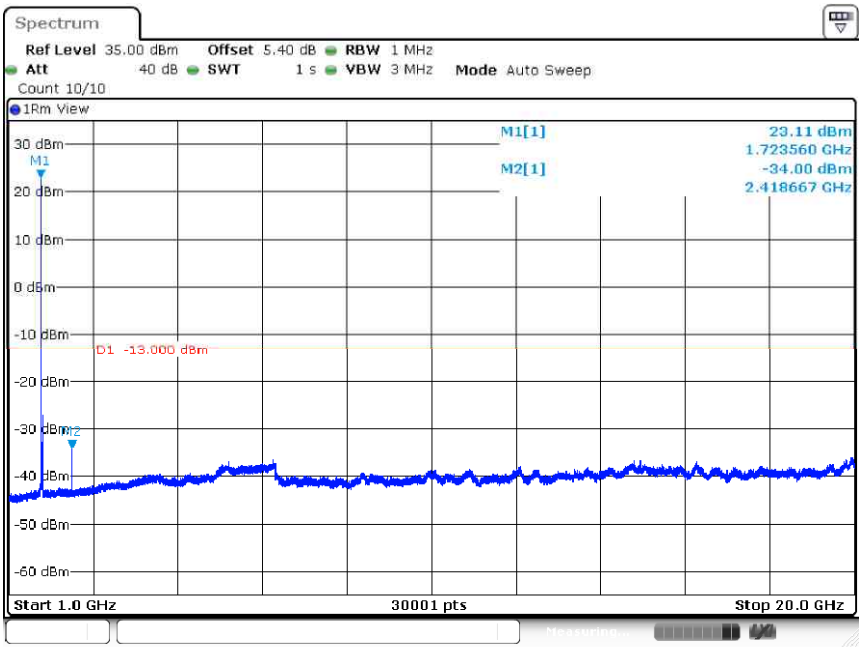
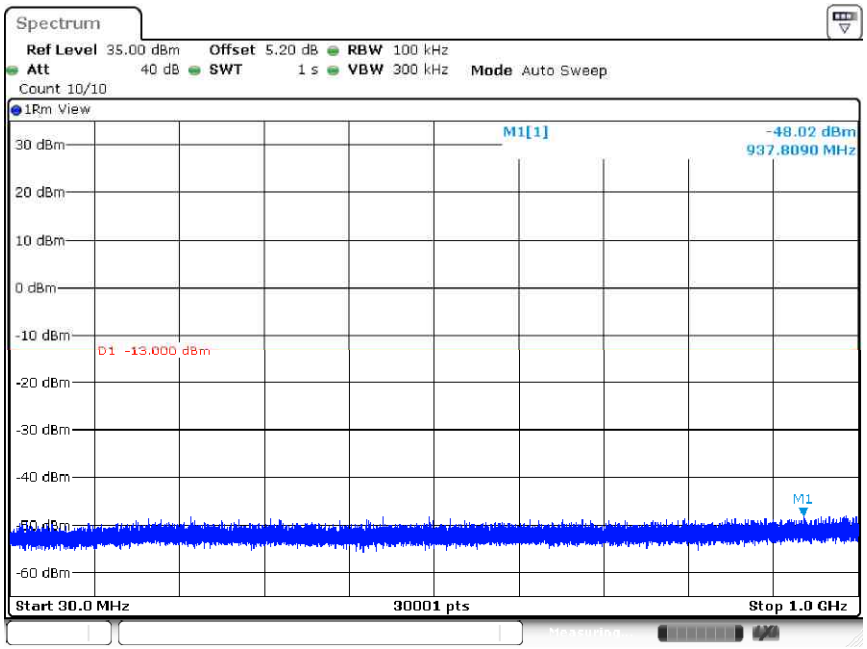
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 23.JUN.2020 11:51:05

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



Date: 23.JUN.2020 11:51:59

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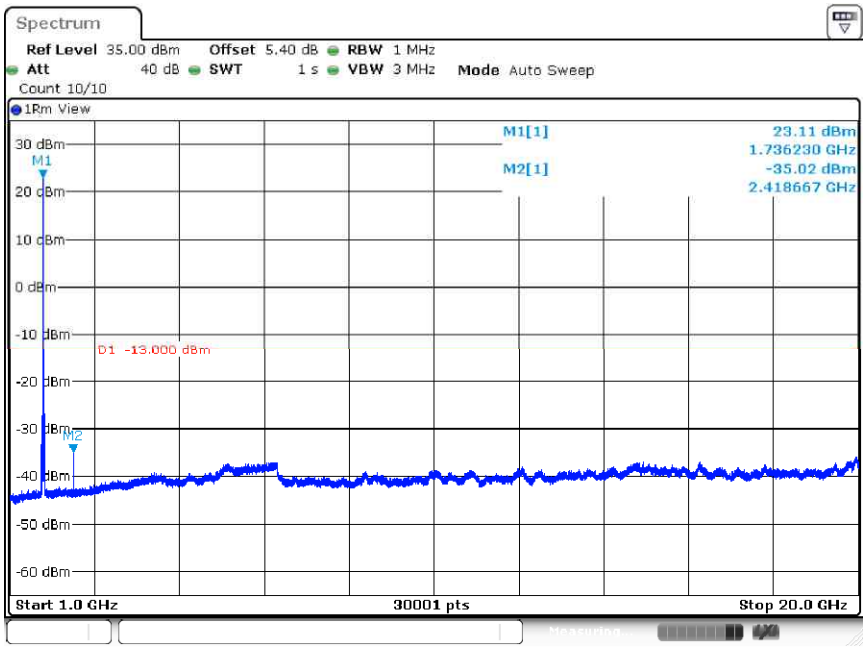
Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
115.0733	-65.54	-13.00	52.54	Vertical
2714.3429	-36.76	-13.00	23.76	Vertical
3422.0141	-61.80	-13.00	48.80	Vertical
5133.5711	-60.21	-13.00	47.21	Vertical
14476.8826	-47.12	-13.00	34.12	Vertical
17995.9999	-40.00	-13.00	27.00	Vertical
42.3681	-62.92	-13.00	49.92	Horizontal
772.2326	-61.77	-13.00	48.77	Horizontal
2692.7385	-35.50	-13.00	22.50	Horizontal
3422.0141	-59.38	-13.00	46.38	Horizontal
5133.0711	-60.57	-13.00	47.57	Horizontal
16397.4466	-43.51	-13.00	30.51	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.9691	-64.74	-13.00	51.74	Vertical
2579.5159	-36.67	-13.00	23.67	Vertical
3447.0149	-61.26	-13.00	48.26	Vertical
5170.5724	-54.67	-13.00	41.67	Vertical
14466.8822	-47.80	-13.00	34.80	Vertical
17998.5000	-39.96	-13.00	26.96	Vertical
45.6663	-63.03	-13.00	50.03	Horizontal
723.8757	-63.32	-13.00	50.32	Horizontal
2700.3401	-35.59	-13.00	22.59	Horizontal
3447.0149	-58.92	-13.00	45.92	Horizontal
5170.5724	-60.12	-13.00	47.12	Horizontal
16386.9462	-43.92	-13.00	30.92	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.2416	-65.27	-13.00	52.27	Vertical
2699.5399	-36.60	-13.00	23.60	Vertical
3472.5158	-60.69	-13.00	47.69	Vertical
5208.0736	-60.27	-13.00	47.27	Vertical
14476.8826	-46.95	-13.00	33.95	Vertical
17997.4999	-40.38	-13.00	27.38	Vertical
43.6292	-64.65	-13.00	51.65	Horizontal
851.8736	-60.35	-13.00	47.35	Horizontal
2704.3409	-35.65	-13.00	22.65	Horizontal
3472.0157	-54.82	-13.00	41.82	Horizontal
7461.1487	-56.05	-13.00	43.05	Horizontal
16386.9462	-44.09	-13.00	31.09	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	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	3.30	0.001919	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	6.00	0.003488	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-4.70	-0.002713	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-3.30	-0.001905	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-13.40	-0.007734	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-0.40	-0.000229	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-3.90	-0.002235	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-6.50	-0.003725	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	-12.40	-0.007209	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	4.10	0.002384	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	0.70	0.000407	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	6.40	0.003694	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	-16.90	-0.009755	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	0.80	0.000462	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-6.80	-0.003897	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-5.50	-0.003152	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-2.10	-0.001203	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-3.20	-0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-2.50	-0.001453	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	2.20	0.001279	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-9.80	-0.005657	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-1.40	-0.000808	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-1.60	-0.000924	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	7.10	0.004069	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	4.40	0.002521	±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	0.60	0.000349	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	1.10	0.000640	±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	-11.90	-0.006919	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-12.00	-0.006977	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-6.50	-0.003779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-7.90	-0.004593	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	1.40	0.000814	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-4.60	-0.002655	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-4.20	-0.002424	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-5.30	-0.003059	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	1.80	0.001039	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-10.40	-0.006003	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	1.10	0.000635	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-9.90	-0.005714	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-8.40	-0.004814	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-2.10	-0.001203	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-4.50	-0.002579	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	3.40	0.001948	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-7.10	-0.004069	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	6.30	0.003663	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	-8.50	-0.004942	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	0.50	0.000291	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	-10.20	-0.005930	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	1.00	0.000581	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	-8.70	-0.005058	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	-13.80	-0.008023	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	-6.00	-0.003488	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	0.50	0.000289	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	1.00	0.000577	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-19.00	-0.010967	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	-10.60	-0.006118	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	-6.70	-0.003867	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	8.80	0.005079	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	1.30	0.000750	±2.5	PASS

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Band4	20MHz	64QAM	20175	100RB#0	NV	50	0.40	0.000231	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-4.10	-0.002350	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-5.20	-0.002980	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	4.00	0.002292	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-13.60	-0.007794	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-0.60	-0.000344	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-2.50	-0.001433	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	0.70	0.000401	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-5.80	-0.003372	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-6.80	-0.003953	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-1.80	-0.001047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-2.70	-0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-8.50	-0.004942	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-7.90	-0.004593	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-2.00	-0.001163	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	1.10	0.000640	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-5.60	-0.003232	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.90	-0.000519	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-8.40	-0.004848	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-9.20	-0.005310	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-6.10	-0.003521	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-14.60	-0.008427	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-8.80	-0.005079	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	1.60	0.000924	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-11.10	-0.006361	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-11.90	-0.006819	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-12.00	-0.006877	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-5.30	-0.003037	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	1.90	0.001089	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-8.70	-0.004986	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-3.90	-0.002235	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-3.80	-0.002178	±2.5	PASS

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