

# 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#2	22.37	26.37	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.33	26.33	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	22.30	26.3	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.23	26.23	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.16	26.16	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.23	26.23	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.33	25.33	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.27	27.27	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.31	27.31	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.19	27.19	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.30	27.3	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.27	27.27	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.21	27.21	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.36	26.36	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.26	27.26	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.30	27.3	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.26	27.26	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.34	27.34	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.30	27.3	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.27	27.27	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.39	26.39	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	22.82	26.82	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	22.70	26.7	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.62	26.62	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	22.72	26.72	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	22.80	26.8	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	22.74	26.74	30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	21.69	25.69	30	PASS

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Band4	1.4MHz	64QAM	20175	1RB#5	22.95	26.95	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.90	26.9	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	22.82	26.82	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	22.96	26.96	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	22.88	26.88	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	22.88	26.88	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.81	25.81	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	22.71	26.71	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.79	26.79	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.84	26.84	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	22.78	26.78	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	22.83	26.83	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	22.83	26.83	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	21.74	25.74	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.59	25.59	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.61	25.61	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.50	25.5	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.39	25.39	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.43	25.43	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.36	25.36	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.48	24.48	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.49	26.49	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.50	26.5	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.46	26.46	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.36	26.36	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.37	26.37	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.39	26.39	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.41	25.41	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.46	26.46	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.53	26.53	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.52	26.52	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.38	26.38	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.45	26.45	30	PASS

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Band4	1.4MHz	16QAM	20393	3RB#3	22.46	26.46	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.44	25.44	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.53	26.53	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.27	26.27	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.66	26.66	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.64	25.64	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.36	25.36	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.57	25.57	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.52	25.52	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.39	27.39	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.19	27.19	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.26	27.26	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.43	26.43	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.34	26.34	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.36	26.36	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.39	26.39	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.43	27.43	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.28	27.28	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.31	27.31	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.40	26.4	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.45	26.45	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.40	26.4	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.45	26.45	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.69	26.69	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	22.82	26.82	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	22.68	26.68	30	PASS
Band4	3MHz	64QAM	19965	8RB#0	21.75	25.75	30	PASS
Band4	3MHz	64QAM	19965	8RB#4	21.80	25.8	30	PASS
Band4	3MHz	64QAM	19965	8RB#7	21.80	25.8	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	21.81	25.81	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.82	26.82	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	22.86	26.86	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	23.12	27.12	30	PASS

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Band4	3MHz	64QAM	20175	8RB#0	21.81	25.81	30	PASS
Band4	3MHz	64QAM	20175	8RB#7	21.82	25.82	30	PASS
Band4	3MHz	64QAM	20175	8RB#4	21.91	25.91	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.80	25.8	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	22.82	26.82	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.86	26.86	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.85	26.85	30	PASS
Band4	3MHz	64QAM	20385	8RB#7	21.77	25.77	30	PASS
Band4	3MHz	64QAM	20385	8RB#0	21.76	25.76	30	PASS
Band4	3MHz	64QAM	20385	8RB#4	21.83	25.83	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.85	25.85	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.52	25.52	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.75	25.75	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.89	25.89	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.73	24.73	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.48	24.48	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.65	24.65	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.57	24.57	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.44	26.44	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.56	26.56	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.42	26.42	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.44	25.44	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.36	25.36	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.35	25.35	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.33	25.33	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.52	26.52	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.75	26.75	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.50	26.5	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.45	25.45	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.47	25.47	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.49	25.49	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.41	25.41	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.63	26.63	30	PASS

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Band4	5MHz	QPSK	19975	1RB#0	22.24	26.24	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.16	27.16	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.99	25.99	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.71	25.71	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.39	25.39	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.69	25.69	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.30	27.3	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.20	27.2	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.33	27.33	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.35	26.35	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.32	26.32	30	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.36	26.36	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.32	26.32	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.24	27.24	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.33	27.33	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.37	27.37	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.40	26.4	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.41	26.41	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.31	26.31	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.43	26.43	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	22.88	26.88	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.71	26.71	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	22.82	26.82	30	PASS
Band4	5MHz	64QAM	19975	12RB#0	21.78	25.78	30	PASS
Band4	5MHz	64QAM	19975	12RB#13	21.76	25.76	30	PASS
Band4	5MHz	64QAM	19975	12RB#6	21.84	25.84	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	21.77	25.77	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.92	26.92	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	22.97	26.97	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.75	26.75	30	PASS
Band4	5MHz	64QAM	20175	12RB#0	21.88	25.88	30	PASS
Band4	5MHz	64QAM	20175	12RB#6	21.88	25.88	30	PASS
Band4	5MHz	64QAM	20175	12RB#13	21.84	25.84	30	PASS

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Band4	5MHz	64QAM	20175	25RB#0	21.81	25.81	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	22.84	26.84	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	22.83	26.83	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	22.69	26.69	30	PASS
Band4	5MHz	64QAM	20375	12RB#13	21.76	25.76	30	PASS
Band4	5MHz	64QAM	20375	12RB#6	21.87	25.87	30	PASS
Band4	5MHz	64QAM	20375	12RB#0	21.82	25.82	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.83	25.83	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.42	26.42	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.79	25.79	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.43	25.43	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.50	24.5	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.78	24.78	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.03	25.03	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.76	24.76	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.46	26.46	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.53	26.53	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.48	26.48	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.37	25.37	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.37	25.37	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.38	25.38	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.30	25.3	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.40	26.4	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.60	26.6	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.52	26.52	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.41	25.41	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.49	25.49	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.41	25.41	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.41	25.41	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.39	26.39	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.05	27.05	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.27	27.27	30	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.94	25.94	30	PASS

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Band4	10MHz	QPSK	20000	25RB#12	22.38	26.38	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.31	26.31	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.33	26.33	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.27	27.27	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.17	27.17	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.25	27.25	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.41	26.41	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.40	26.4	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.41	26.41	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.38	26.38	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.36	27.36	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.26	27.26	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.34	27.34	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.44	26.44	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.49	26.49	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.41	26.41	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.39	26.39	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.81	26.81	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.87	26.87	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.75	26.75	30	PASS
Band4	10MHz	64QAM	20000	25RB#12	21.81	25.81	30	PASS
Band4	10MHz	64QAM	20000	25RB#0	21.89	25.89	30	PASS
Band4	10MHz	64QAM	20000	25RB#25	21.79	25.79	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	21.84	25.84	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.89	26.89	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.96	26.96	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.79	26.79	30	PASS
Band4	10MHz	64QAM	20175	25RB#0	21.82	25.82	30	PASS
Band4	10MHz	64QAM	20175	25RB#12	21.89	25.89	30	PASS
Band4	10MHz	64QAM	20175	25RB#25	21.86	25.86	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	21.87	25.87	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	22.73	26.73	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.71	26.71	30	PASS

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Band4	10MHz	64QAM	20350	1RB#0	22.75	26.75	30	PASS
Band4	10MHz	64QAM	20350	25RB#25	21.77	25.77	30	PASS
Band4	10MHz	64QAM	20350	25RB#0	21.84	25.84	30	PASS
Band4	10MHz	64QAM	20350	25RB#12	21.88	25.88	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.84	25.84	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.36	26.36	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.59	25.59	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.35	26.35	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.27	25.27	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.96	24.96	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.33	25.33	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.28	25.28	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.43	26.43	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.45	26.45	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.50	26.5	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.35	25.35	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.40	25.4	30	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.32	25.32	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.33	25.33	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.48	26.48	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.64	26.64	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.51	26.51	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.44	25.44	30	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.41	25.41	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.37	25.37	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.39	25.39	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.26	27.26	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.35	27.35	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.46	27.46	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.46	26.46	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.50	26.5	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.45	26.45	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.46	26.46	30	PASS

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Band4	15MHz	QPSK	20175	1RB#74	23.55	27.55	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.39	27.39	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.36	27.36	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.46	26.46	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.52	26.52	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.55	26.55	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.53	26.53	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.42	27.42	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.41	27.41	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.44	27.44	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.54	26.54	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.54	26.54	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.55	26.55	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.55	26.55	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	23.03	27.03	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.98	26.98	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	22.87	26.87	30	PASS
Band4	15MHz	64QAM	20025	36RB#0	21.82	25.82	30	PASS
Band4	15MHz	64QAM	20025	36RB#18	21.94	25.94	30	PASS
Band4	15MHz	64QAM	20025	36RB#39	21.94	25.94	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	21.90	25.9	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.97	26.97	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	23.11	27.11	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	23.17	27.17	30	PASS
Band4	15MHz	64QAM	20175	36RB#0	21.94	25.94	30	PASS
Band4	15MHz	64QAM	20175	36RB#18	21.97	25.97	30	PASS
Band4	15MHz	64QAM	20175	36RB#39	22.02	26.02	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.96	25.96	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	22.98	26.98	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.99	26.99	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	23.05	27.05	30	PASS
Band4	15MHz	64QAM	20325	36RB#0	21.93	25.93	30	PASS
Band4	15MHz	64QAM	20325	36RB#18	21.96	25.96	30	PASS

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Band4	15MHz	64QAM	20325	36RB#39	21.92	25.92	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.95	25.95	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.58	26.58	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.68	26.68	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.61	26.61	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.47	25.47	30	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.50	25.5	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.45	25.45	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.50	25.5	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.74	26.74	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.83	26.83	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.52	26.52	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.44	25.44	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.55	25.55	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.58	25.58	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.54	25.54	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.69	26.69	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.64	26.64	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.79	26.79	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.54	25.54	30	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.53	25.53	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.55	25.55	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.55	25.55	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.34	27.34	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.43	27.43	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.32	27.32	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.49	26.49	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.51	26.51	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.56	26.56	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.50	26.5	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.55	27.55	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.38	27.38	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.42	27.42	30	PASS

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Band4	20MHz	QPSK	20175	50RB#25	22.55	26.55	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.48	26.48	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.59	26.59	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.51	26.51	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.43	27.43	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.37	27.37	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.49	27.49	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.58	26.58	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.60	26.6	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.47	26.47	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.58	26.58	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.73	26.73	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.90	26.9	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	23.01	27.01	30	PASS
Band4	20MHz	64QAM	20050	50RB#0	21.95	25.95	30	PASS
Band4	20MHz	64QAM	20050	50RB#25	21.93	25.93	30	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.98	25.98	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	21.94	25.94	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	23.12	27.12	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.89	26.89	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.98	26.98	30	PASS
Band4	20MHz	64QAM	20175	50RB#25	22.00	26	30	PASS
Band4	20MHz	64QAM	20175	50RB#50	22.01	26.01	30	PASS
Band4	20MHz	64QAM	20175	50RB#0	21.94	25.94	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.99	25.99	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	23.06	27.06	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	22.91	26.91	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	23.08	27.08	30	PASS
Band4	20MHz	64QAM	20300	50RB#50	22.03	26.03	30	PASS
Band4	20MHz	64QAM	20300	50RB#0	21.94	25.94	30	PASS
Band4	20MHz	64QAM	20300	50RB#25	21.99	25.99	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.97	25.97	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.70	26.7	30	PASS

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Band4	20MHz	16QAM	20050	1RB#0	22.60	26.6	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.62	26.62	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.44	25.44	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.47	25.47	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.48	25.48	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.51	25.51	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.83	26.83	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.74	26.74	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.62	26.62	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.56	25.56	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.47	25.47	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.56	25.56	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.51	25.51	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.82	26.82	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.71	26.71	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.78	26.78	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.55	25.55	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.57	25.57	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.53	25.53	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.54	25.54	30	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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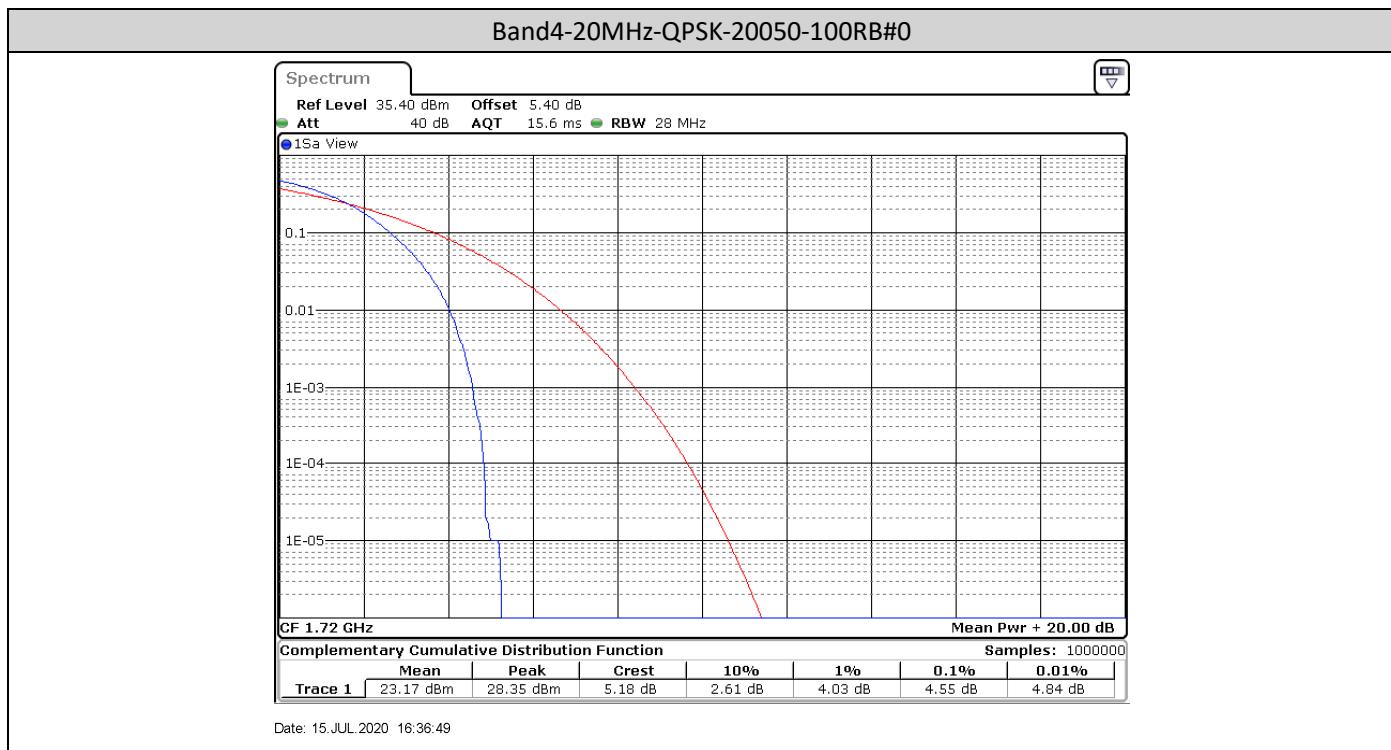
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## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.55	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.87	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.67	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.29	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.41	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.46	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.62	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.80	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.68	13	PASS

### 2.2. Test Plots



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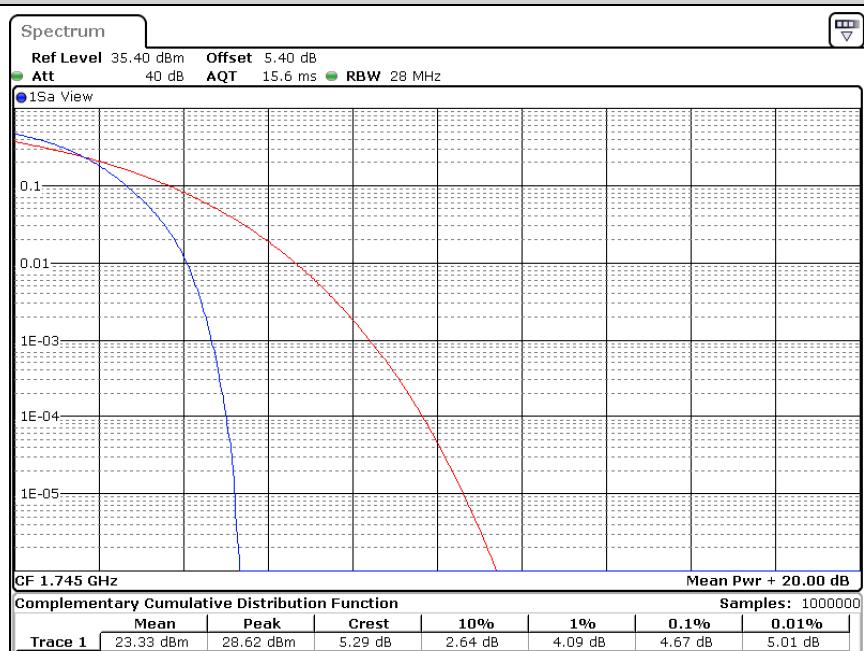
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## Band4-20MHz-QPSK-20175-100RB#0



Date: 15.JUL.2020 16:37:11

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



Date: 15.JUL.2020 16:37:34

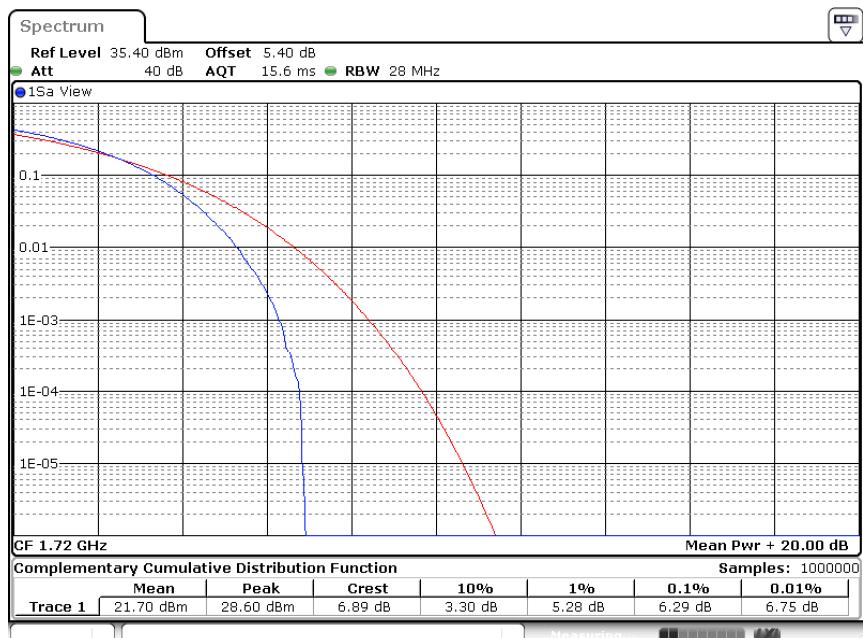
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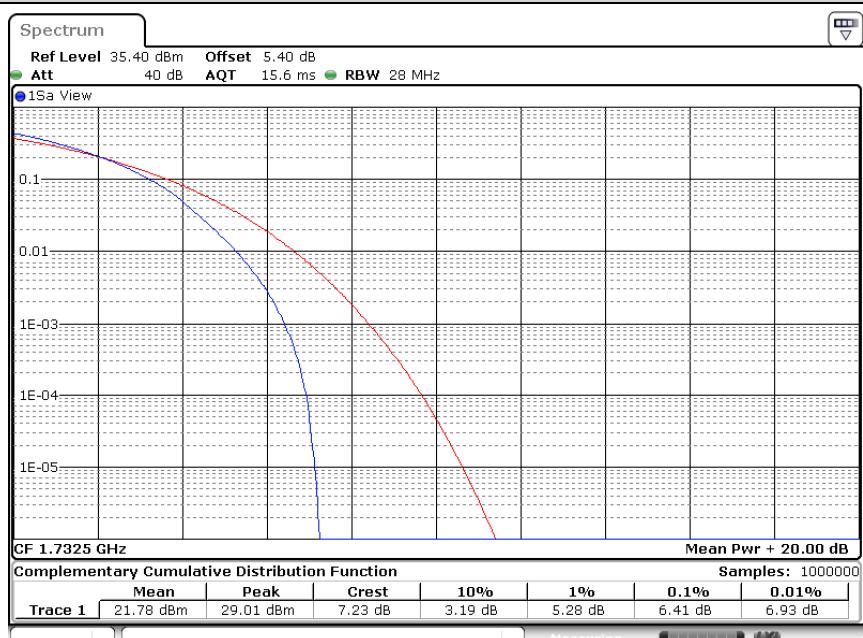
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## Band4-20MHz-64QAM-20050-100RB#0



Date: 10.AUG.2020 23:43:50

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



Date: 10.AUG.2020 23:44:02

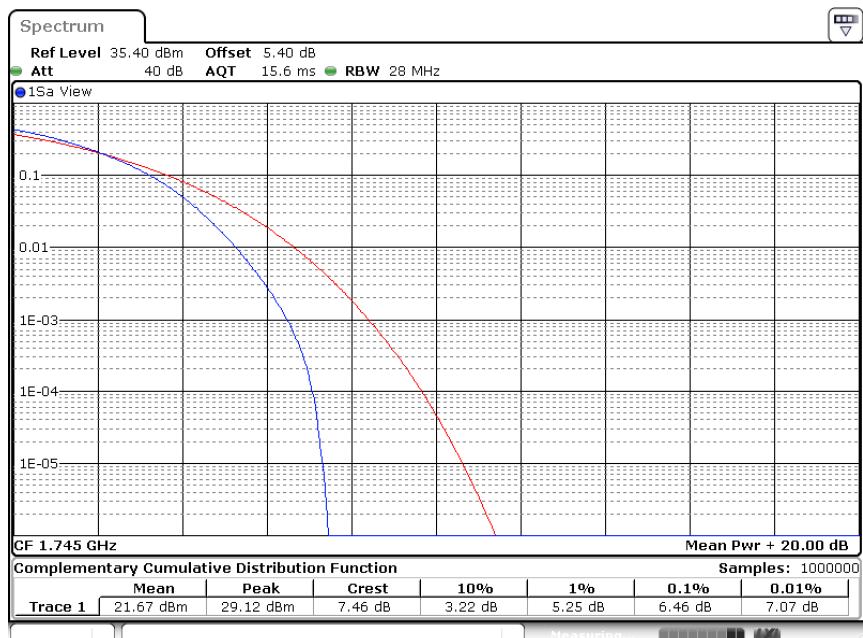
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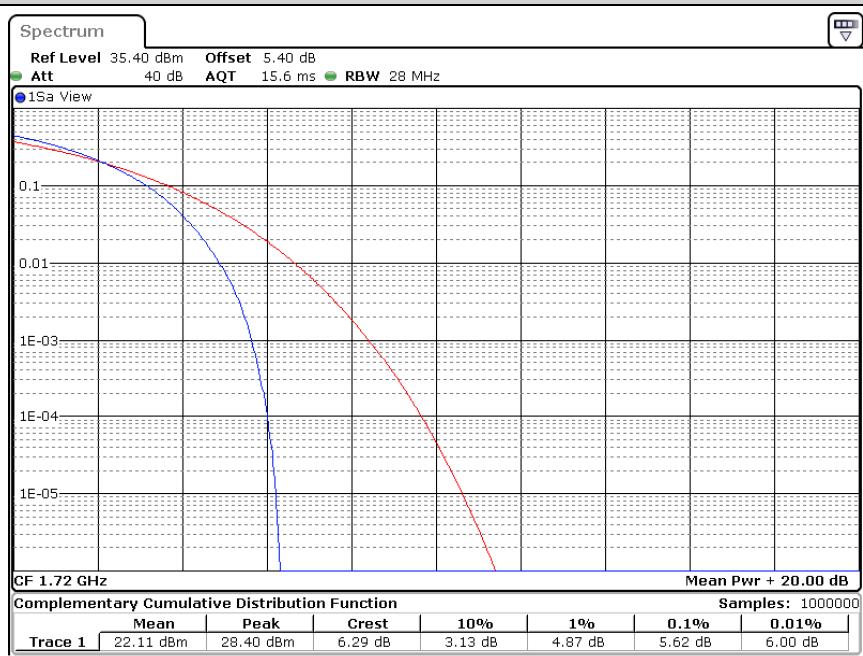
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## Band4-20MHz-64QAM-20300-100RB#0



Date: 10.AUG.2020 23:44:13

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



Date: 15.JUL.2020 16:37:00

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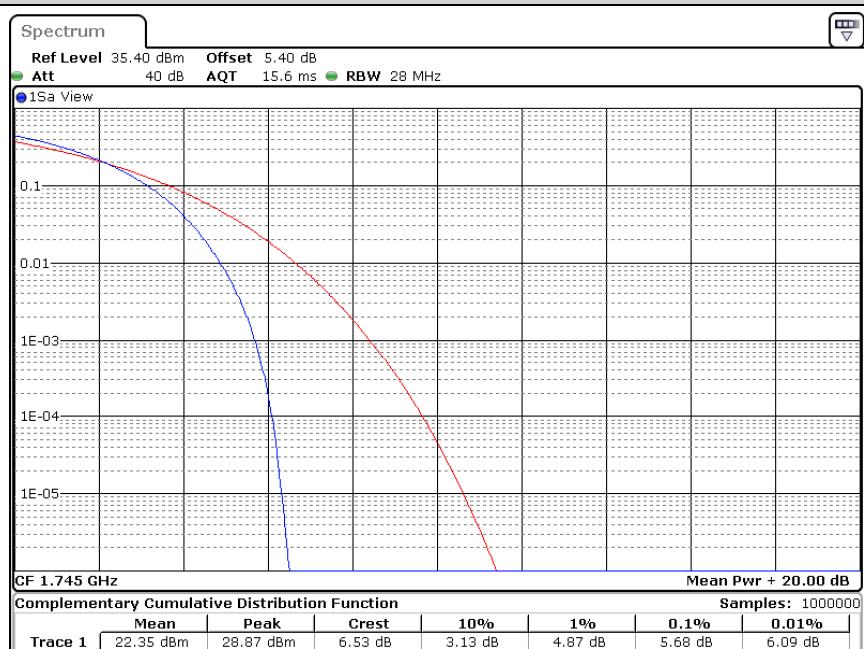
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## Band4-20MHz-16QAM-20175-100RB#0



Date: 15.JUL.2020 16:37:23

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



Date: 15.JUL.2020 16:37:45

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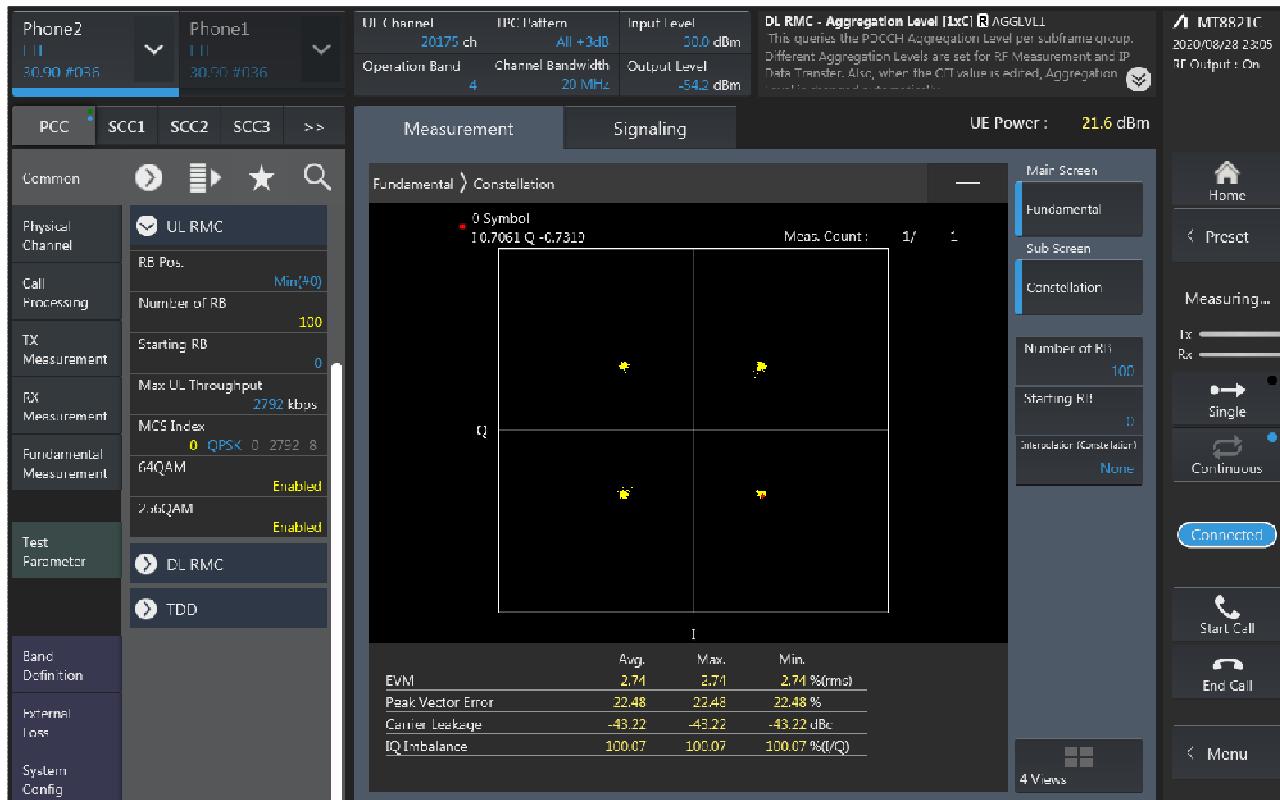


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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1. Test Channel = MCH



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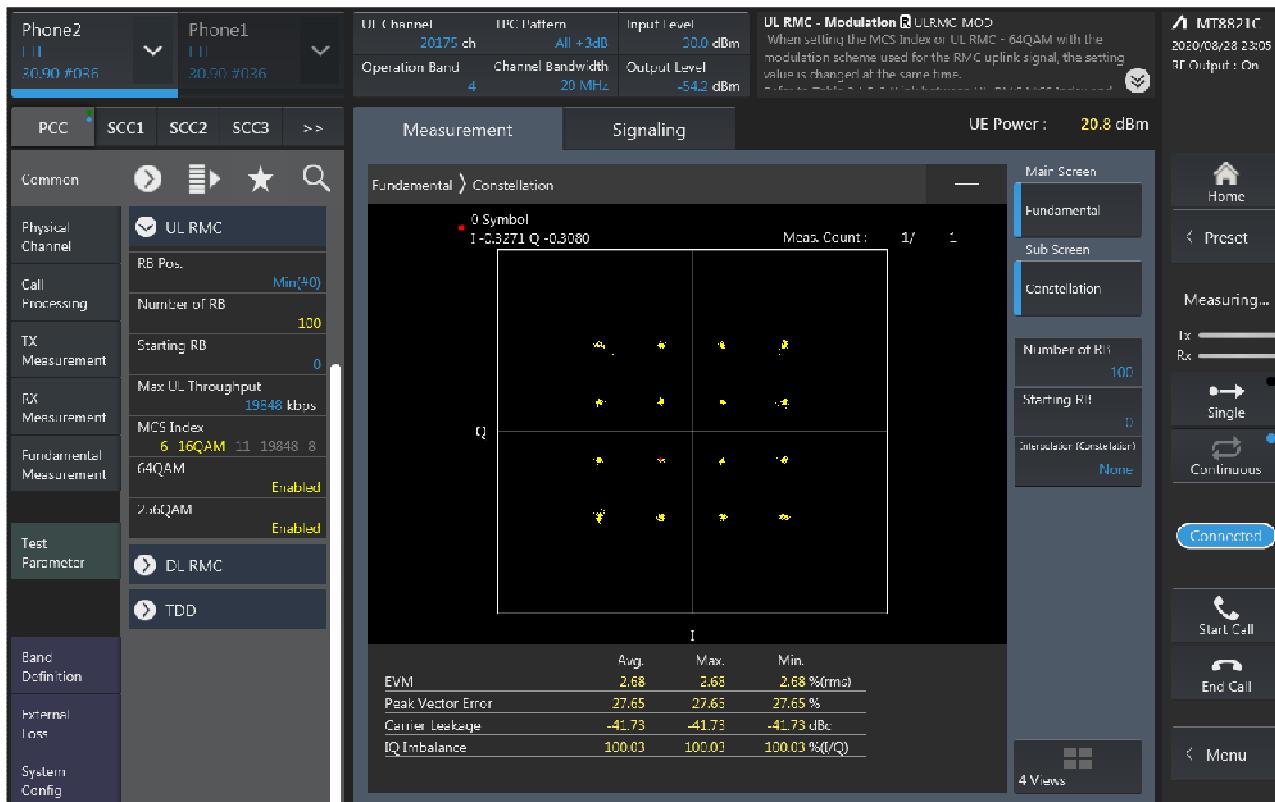


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## 3.2. Test Mode = LTE /TM2 20MHz

### 3.2.1. Test Channel = MCH



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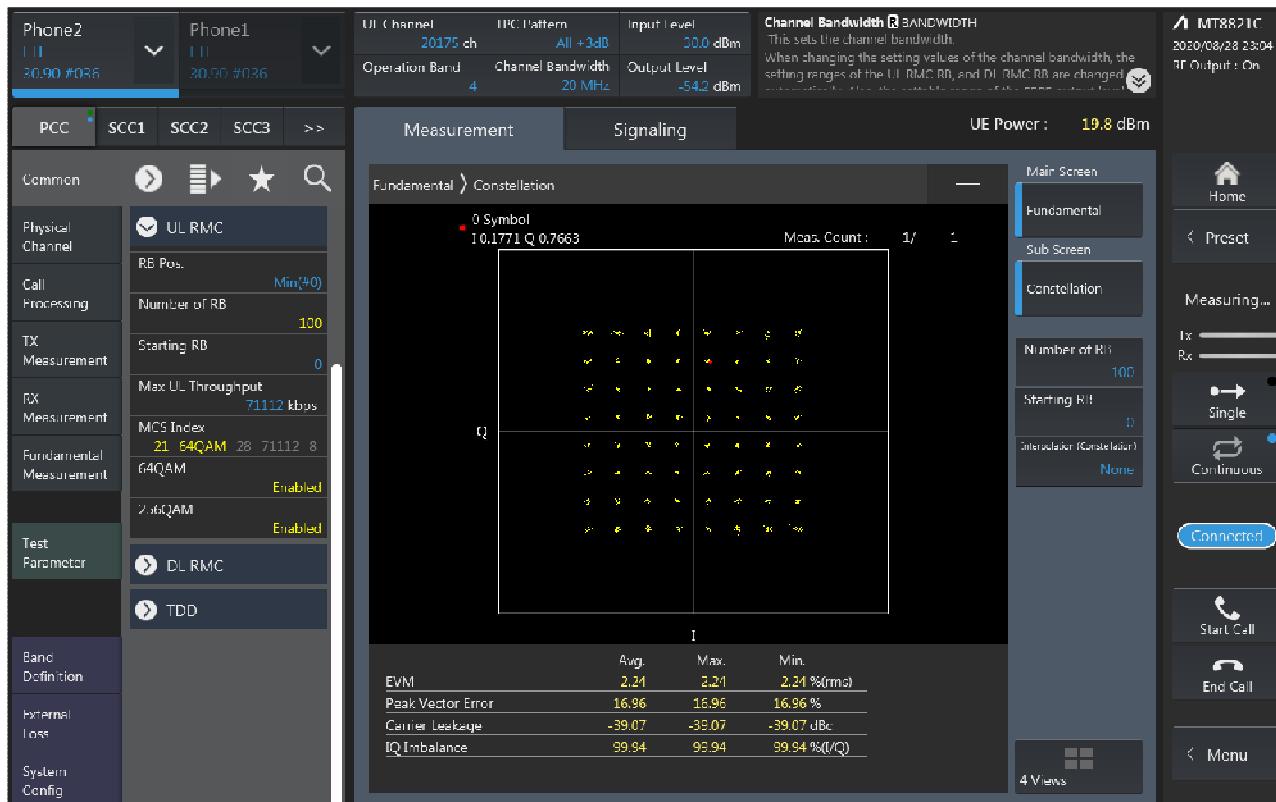


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### 3.3. Test Mode = LTE /TM3 20MHz

#### 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	1.245	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.248	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.242	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.239	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.088	1.227	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.242	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.242	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.082	1.230	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.242	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	3.018	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	3.006	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	3.030	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.697	3.006	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.988	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.691	3.000	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.691	2.970	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.976	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.982	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.900	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.880	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.466	4.890	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.900	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.900	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.466	4.880	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.930	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.930	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.930	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.951	9.700	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.700	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.700	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.640	PASS

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Band4	10MHz	64QAM	20175	50RB#0	8.931	9.600	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.640	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.951	9.700	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.720	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.660	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.487	14.700	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.516	14.700	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.640	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.790	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.790	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.487	14.730	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.670	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.427	14.670	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.440	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.902	19.440	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.440	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.902	19.400	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.400	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.862	19.400	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.520	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.400	PASS

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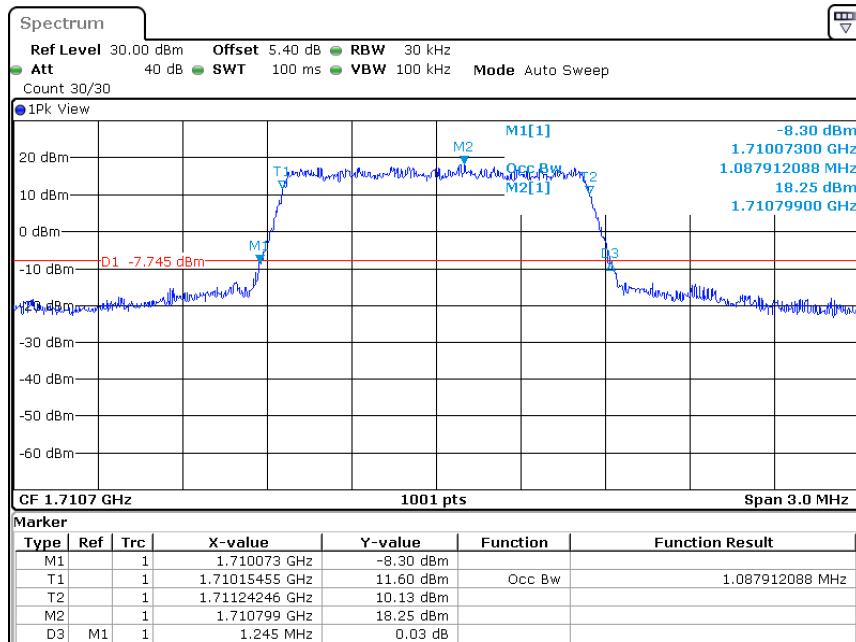
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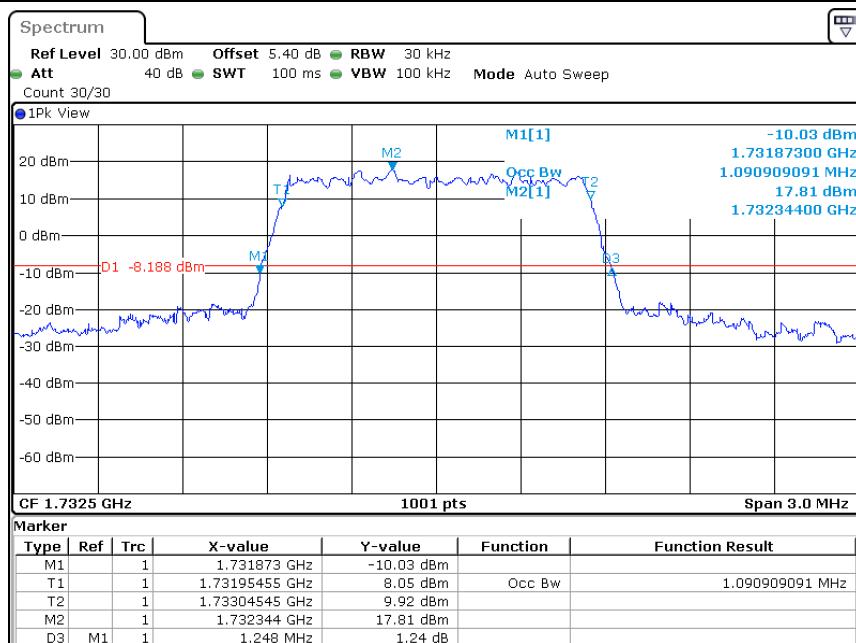
## 4.2. Test Plots

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



Date: 15.JUL.2020 16:02:52

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



Date: 15.JUL.2020 16:03:18

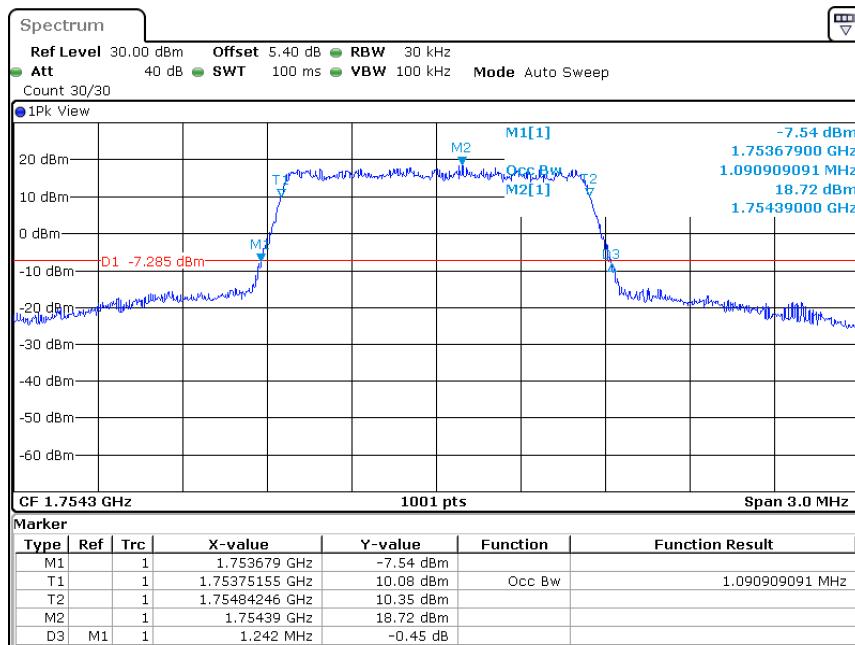
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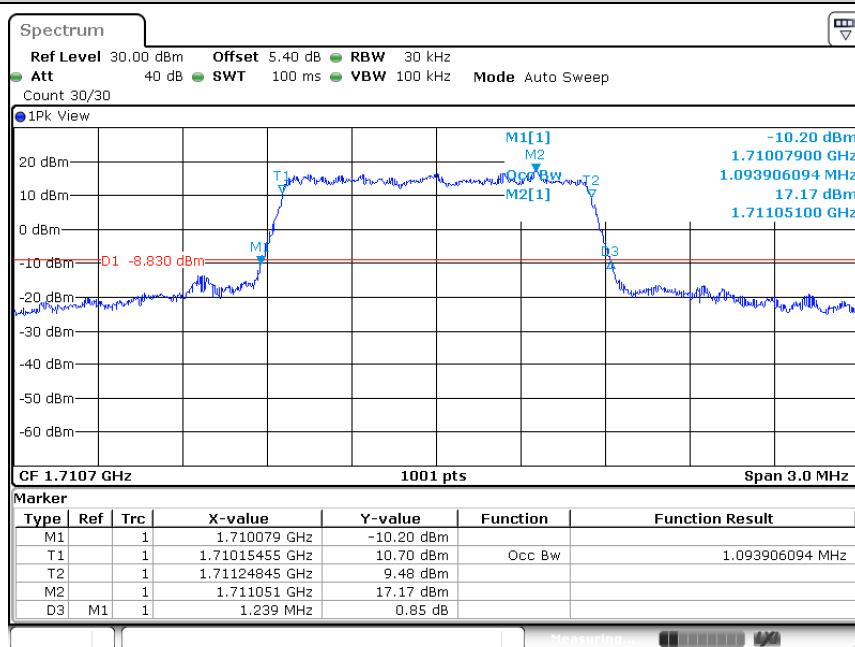
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## Band4-1.4MHz-QPSK-20393-6RB#0-1.091



Date: 15.JUL.2020 16:03:44

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



Date: 10.AUG.2020 23:27:40

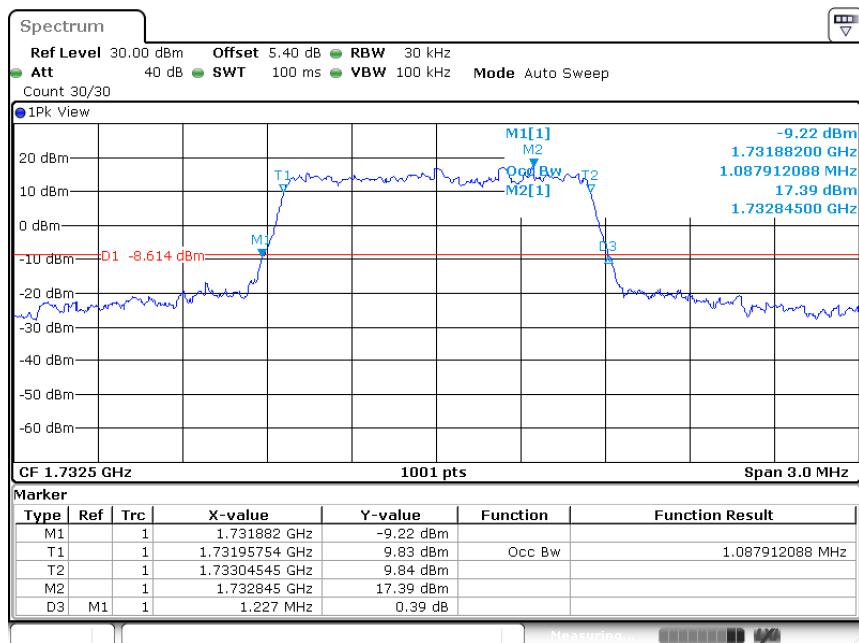
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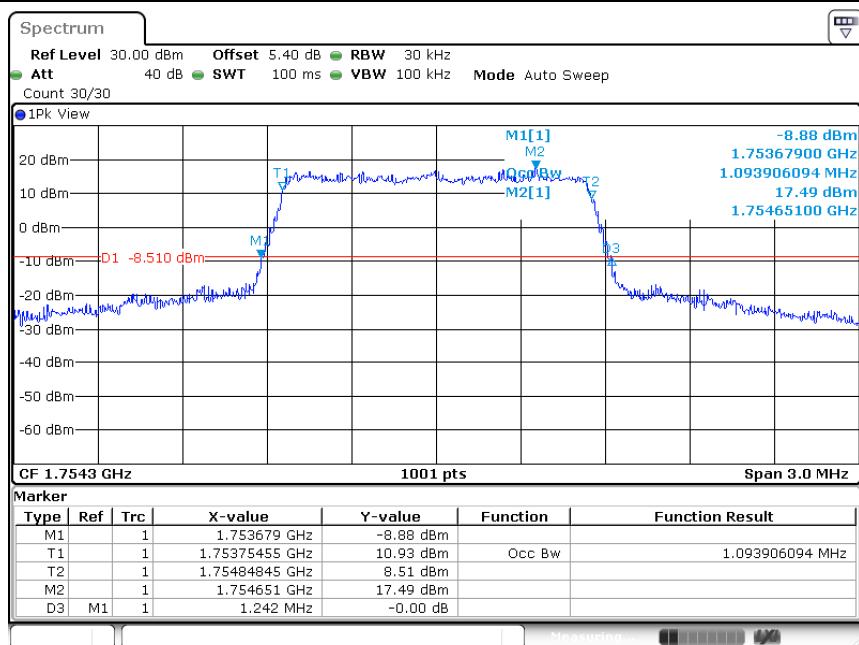
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## Band4-1.4MHz-64QAM-20175-6RB#0-1.088



Date: 10.AUG.2020 23:27:53

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



Date: 10.AUG.2020 23:28:06

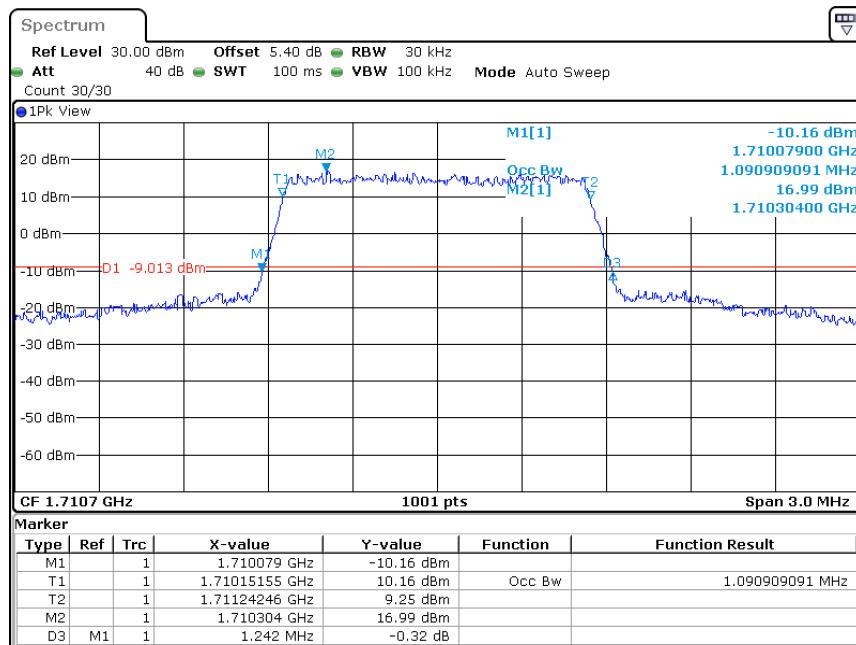
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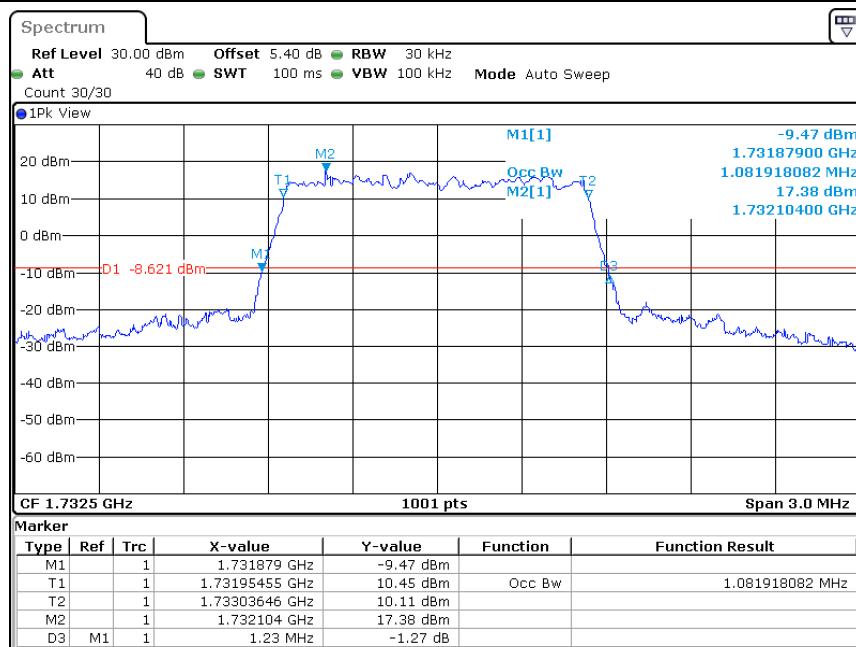
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## Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Date: 15.JUL.2020 16:03:05

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



Date: 15.JUL.2020 16:03:31

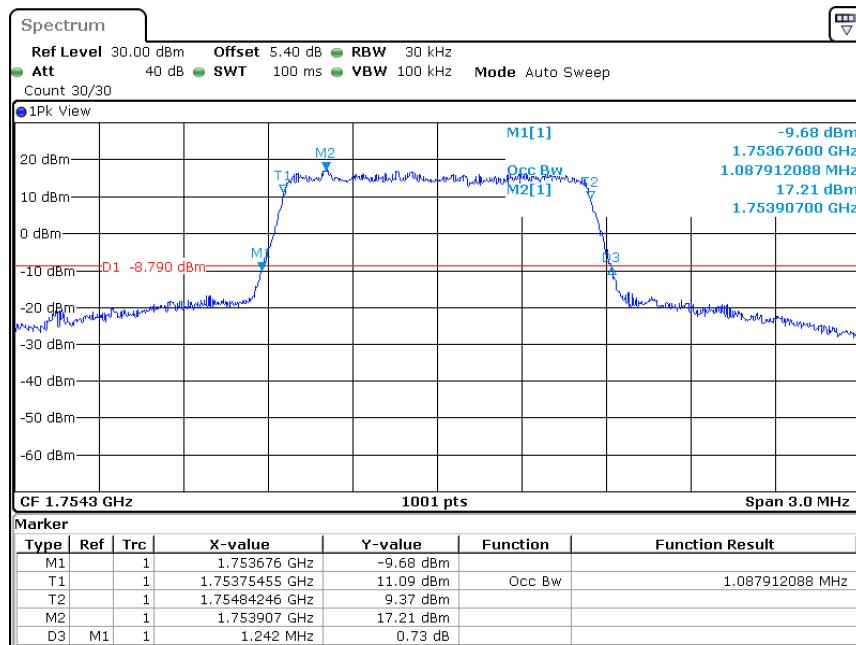
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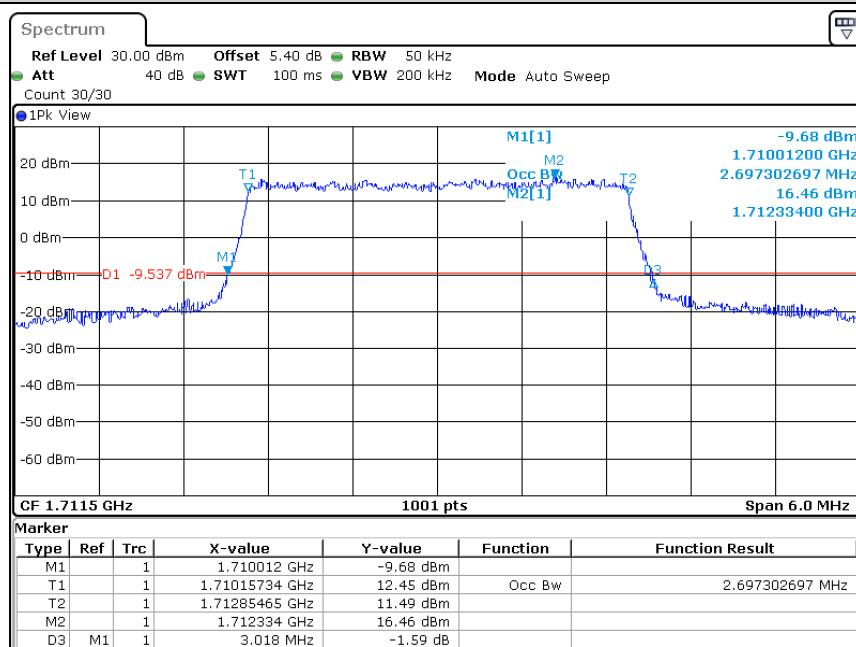
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## Band4-1.4MHz-16QAM-20393-6RB#0-1.088



Date: 15.JUL.2020 16:03:56

## Band4-3MHz-QPSK-19965-15RB#0-2.697



Date: 15.JUL.2020 16:04:14

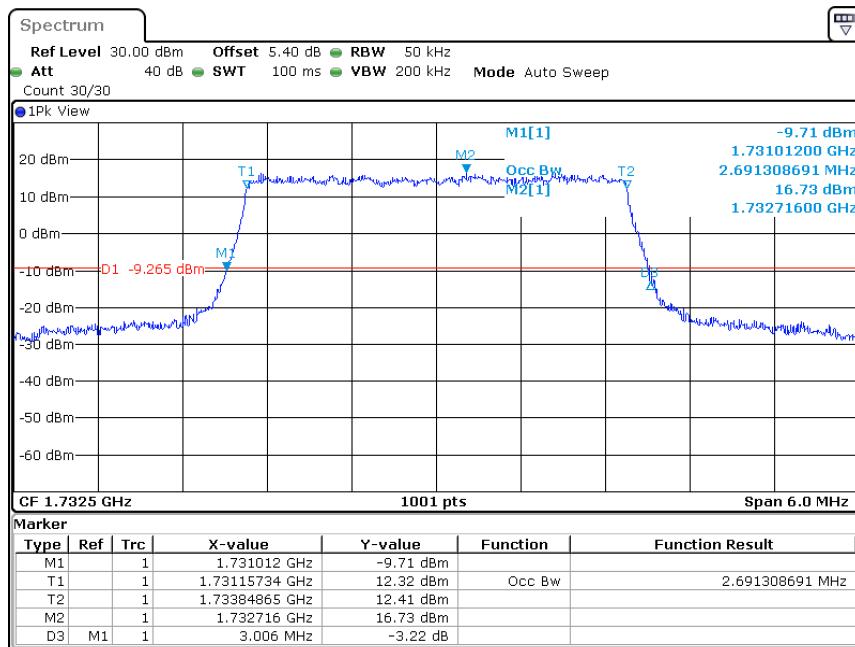
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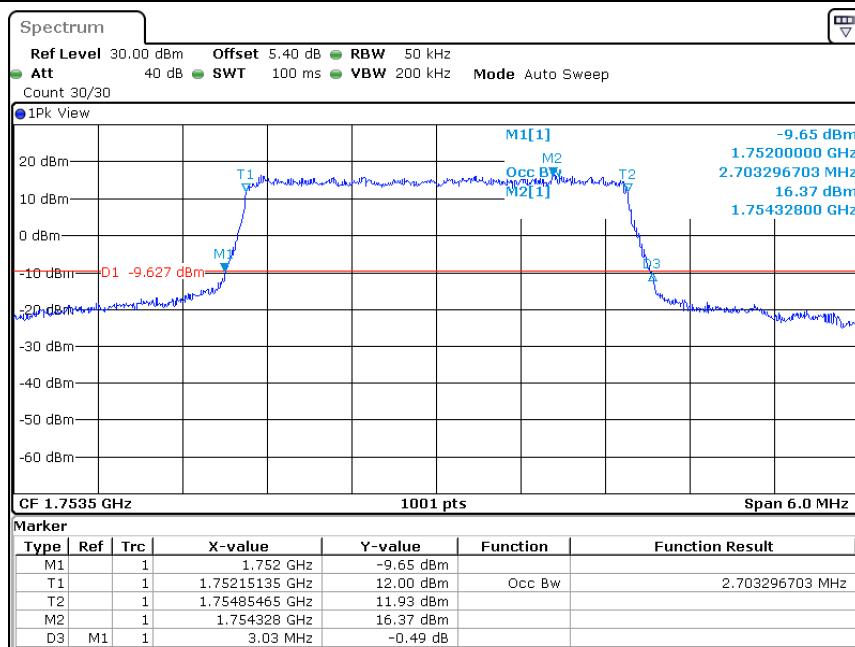
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## Band4-3MHz-QPSK-20175-15RB#0-2.691



Date: 15.JUL.2020 16:04:40

## Band4-3MHz-QPSK-20385-15RB#0-2.703



Date: 15.JUL.2020 16:05:05

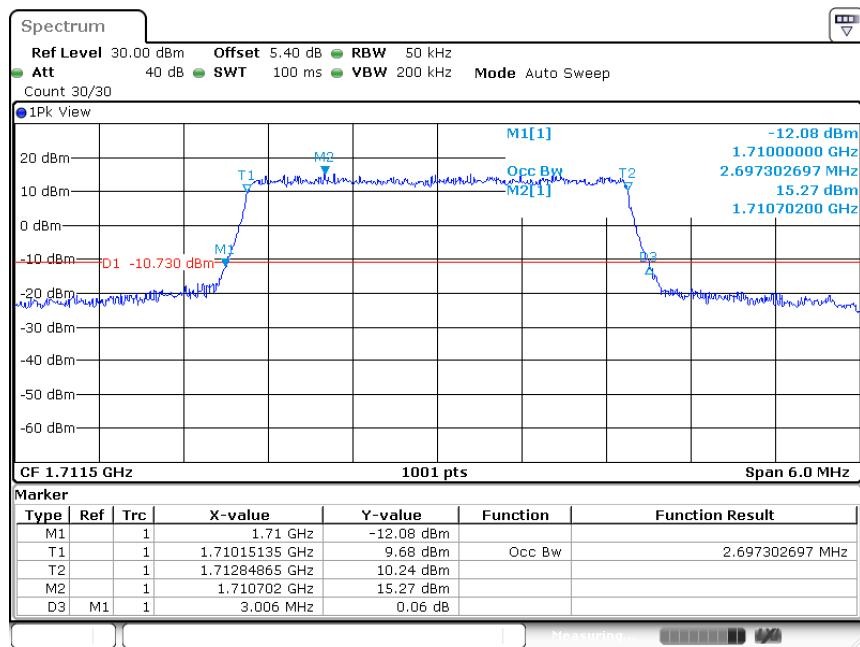
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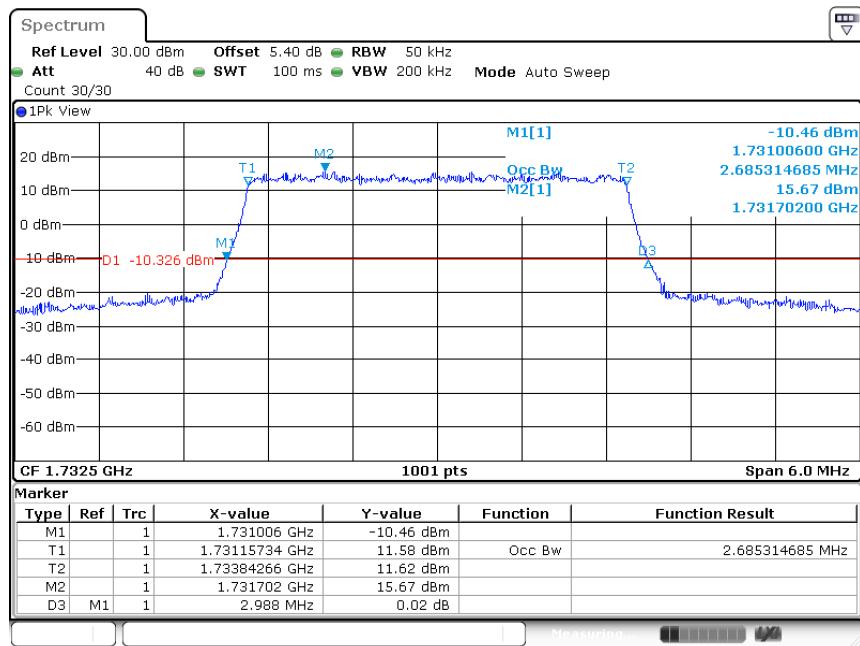
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## Band4-3MHz-64QAM-19965-15RB#0-2.697



Date: 10.AUG.2020 23:28:26

## Band4-3MHz-64QAM-20175-15RB#0-2.685



Date: 10.AUG.2020 23:28:39

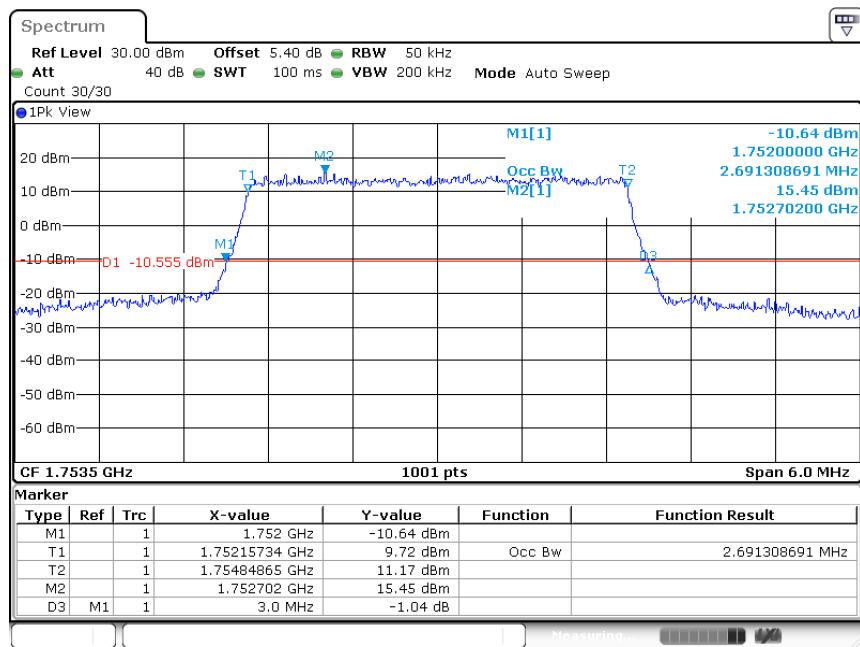
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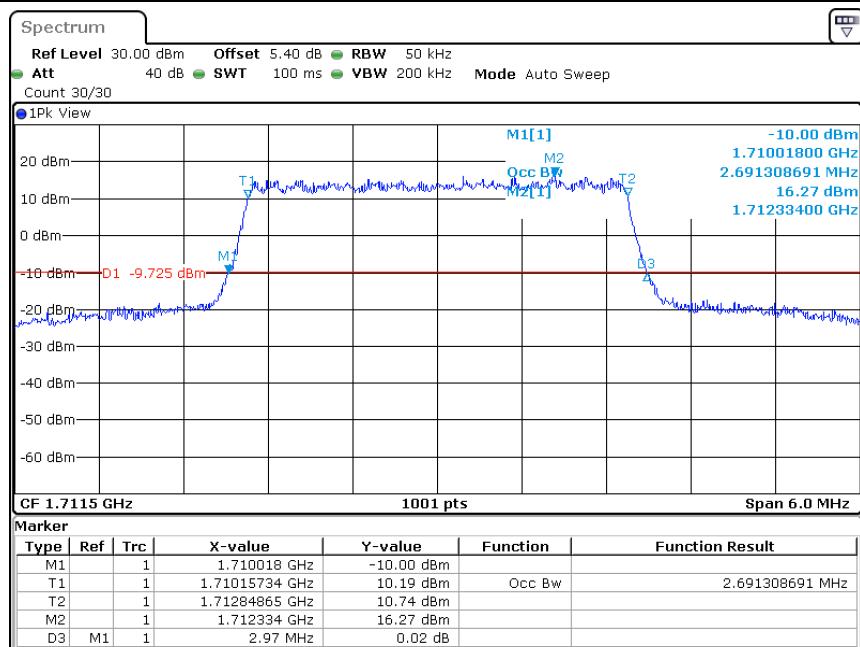
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## Band4-3MHz-64QAM-20385-15RB#0-2.691



Date: 10.AUG.2020 23:28:52

## Band4-3MHz-16QAM-19965-15RB#0-2.691



Date: 15.JUL.2020 16:04:27

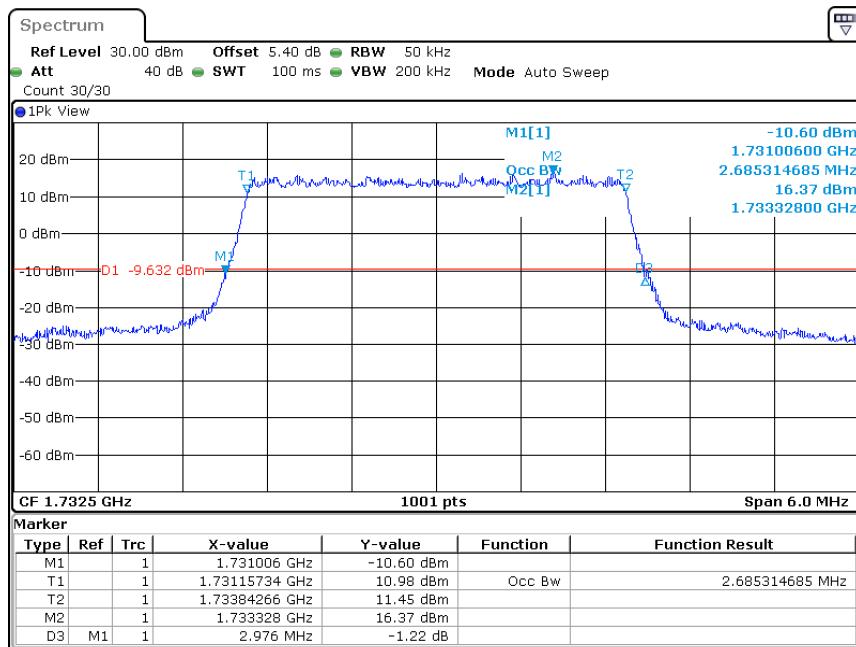
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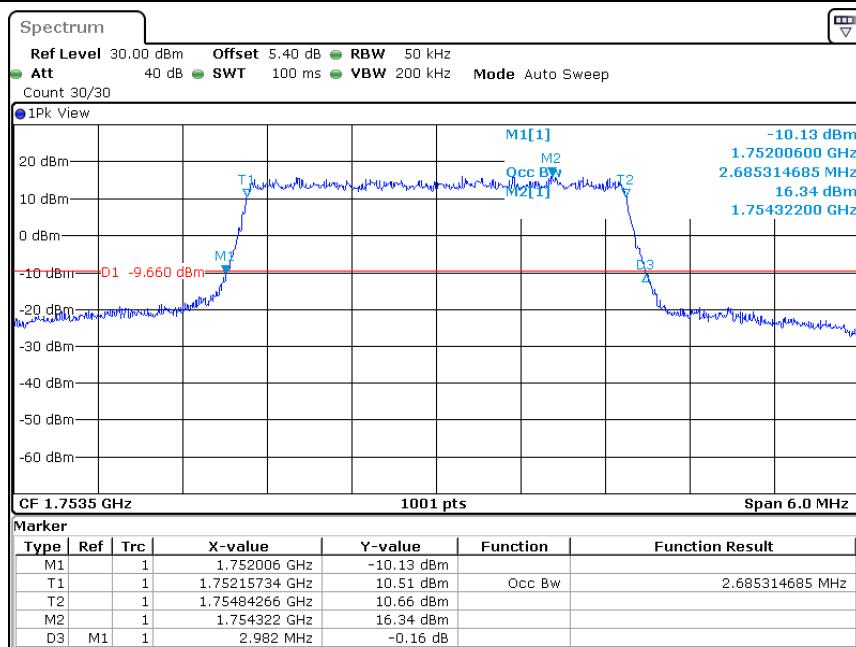
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## Band4-3MHz-16QAM-20175-15RB#0-2.685



Date: 15.JUL.2020 16:04:53

## Band4-3MHz-16QAM-20385-15RB#0-2.685



Date: 15.JUL.2020 16:05:18

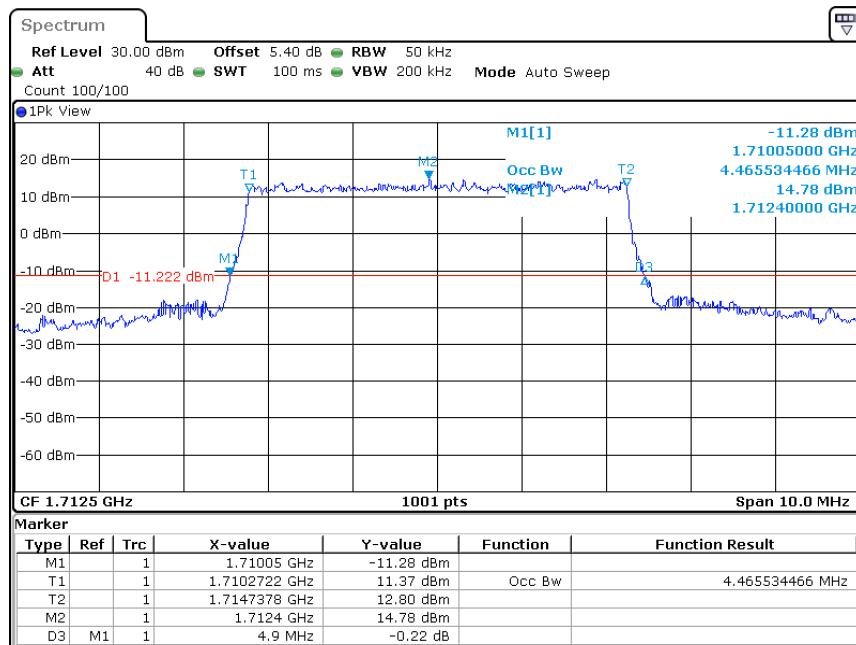
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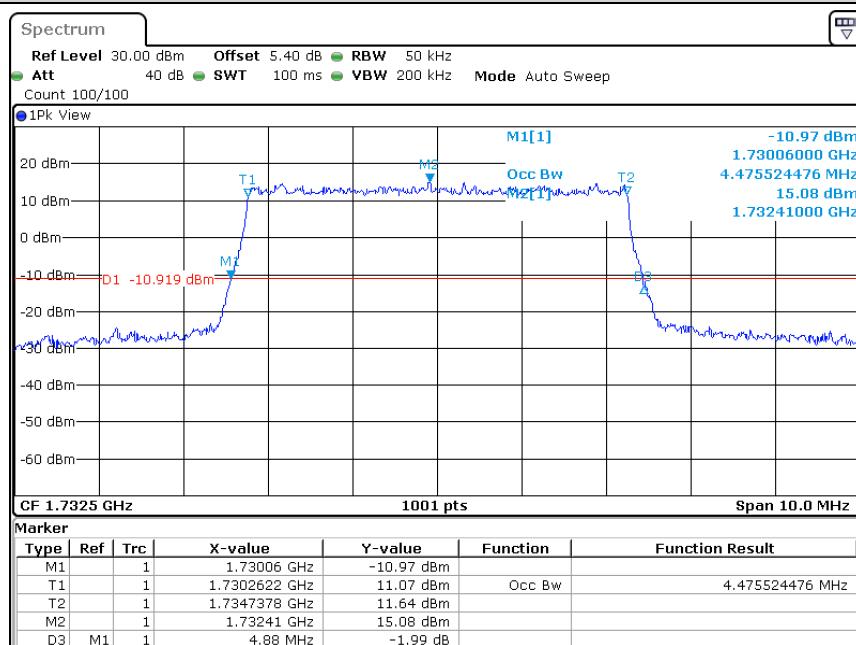
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## Band4-5MHz-QPSK-19975-25RB#0-4.466



Date: 15.JUL.2020 16:05:43

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



Date: 15.JUL.2020 16:06:22

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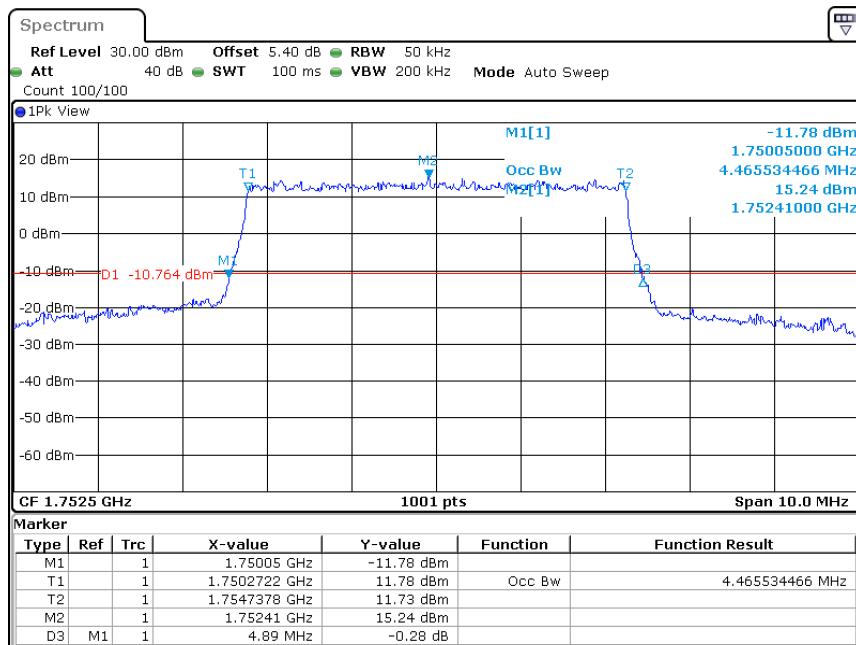
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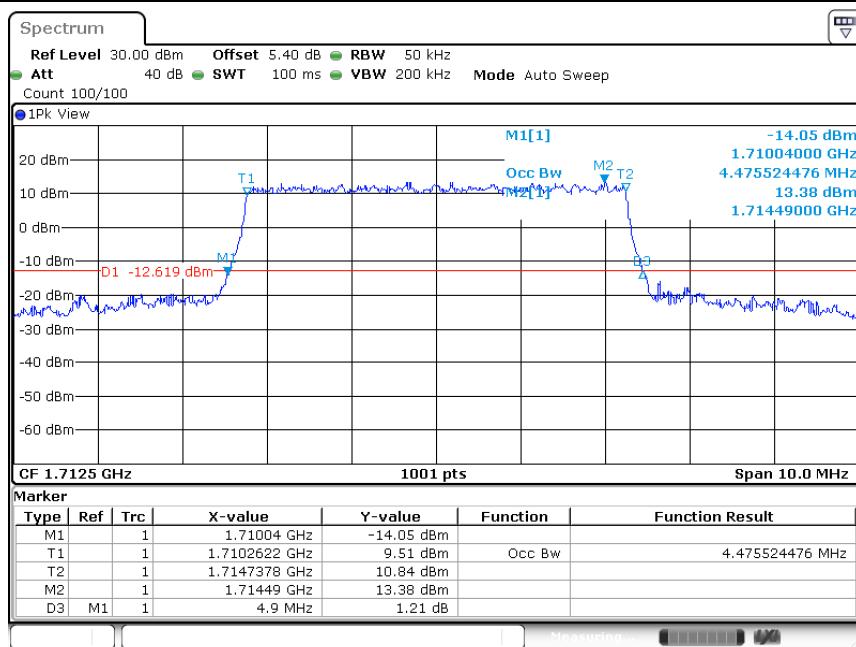


Band4-5MHz-QPSK-20375-25RB#0-4.466



Date: 15.JUL.2020 16:07:02

Band4-5MHz-64QAM-19975-25RB#0-4.476



Date: 10.AUG.2020 23:29:18

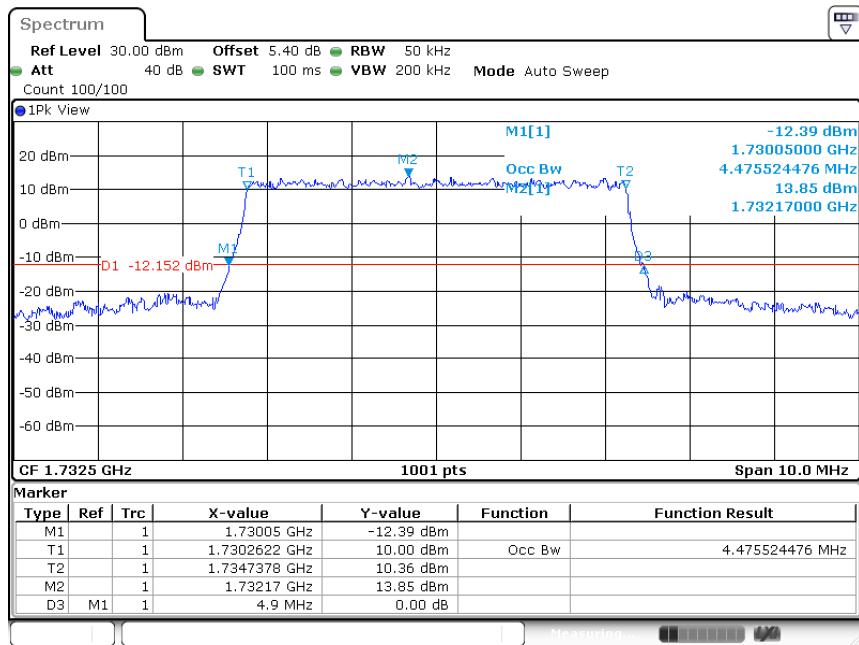
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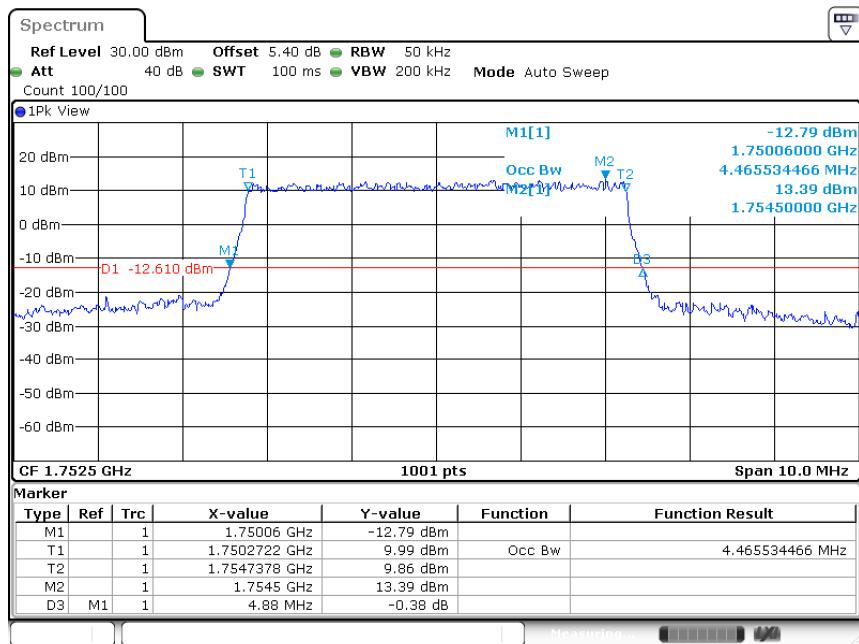
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Band4-5MHz-64QAM-20175-25RB#0-4.476



Date: 10.AUG.2020 23:29:38

Band4-5MHz-64QAM-20375-25RB#0-4.466



Date: 10.AUG.2020 23:29:58

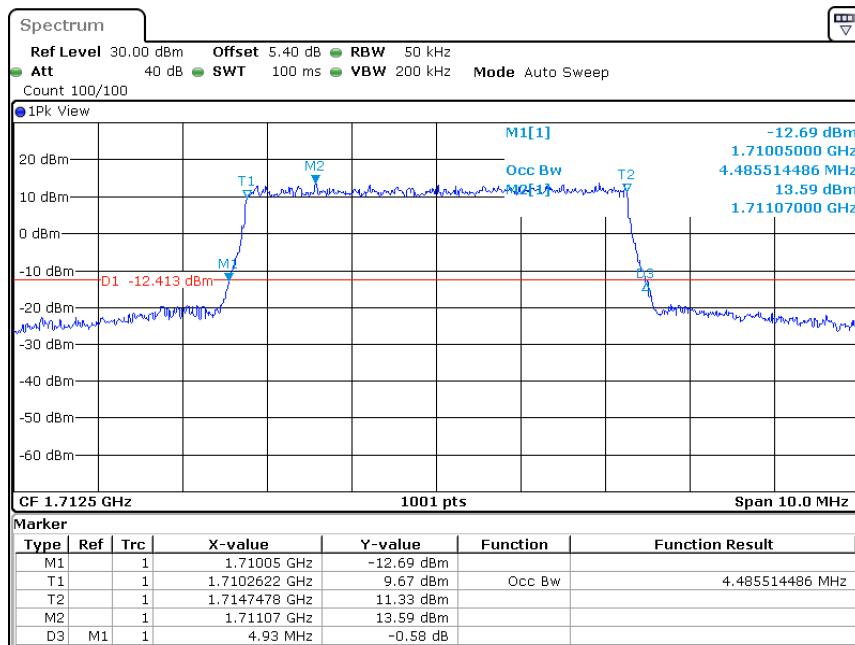
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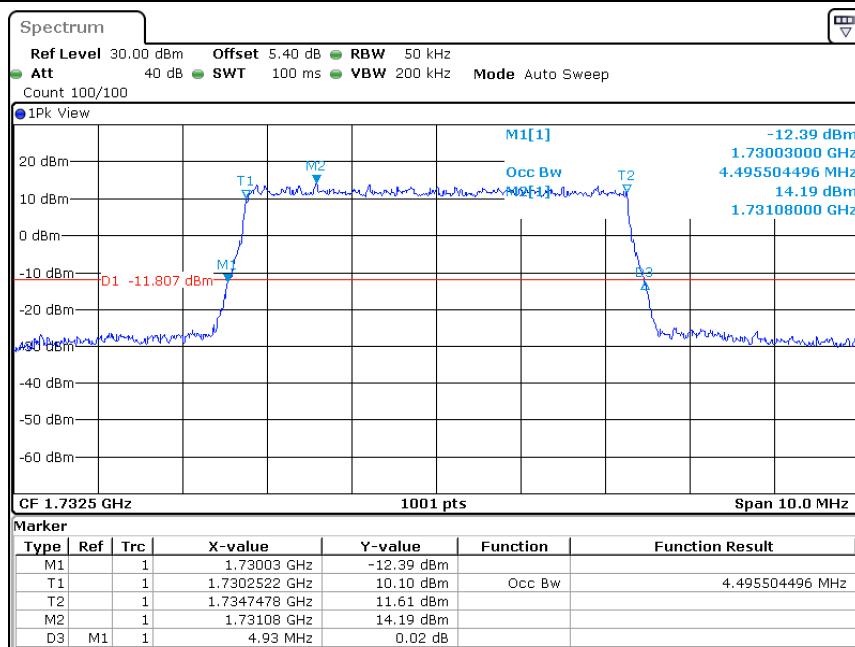
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## Band4-5MHz-16QAM-19975-25RB#0-4.486



Date: 15.JUL.2020 16:06:02

## Band4-5MHz-16QAM-20175-25RB#0-4.496



Date: 15.JUL.2020 16:06:42

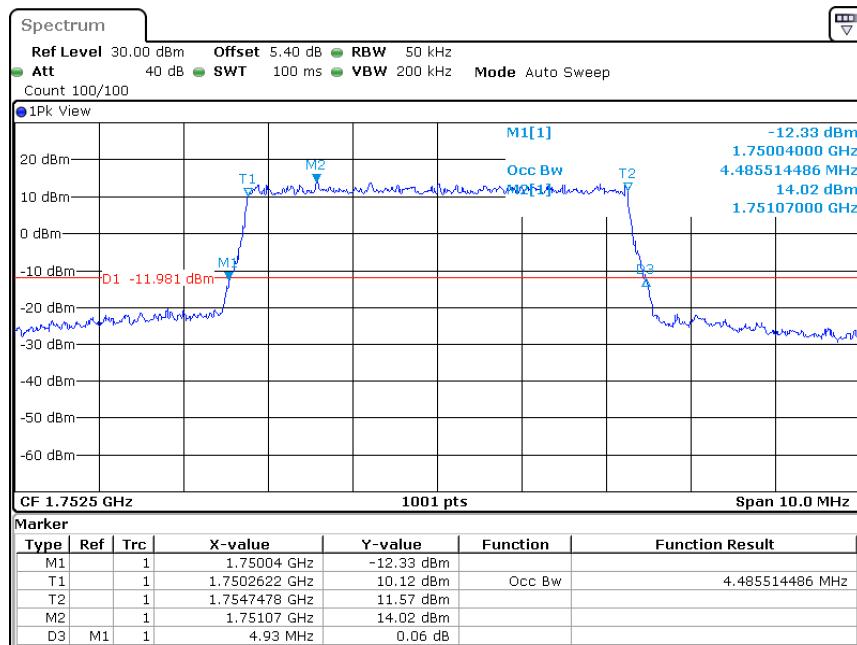
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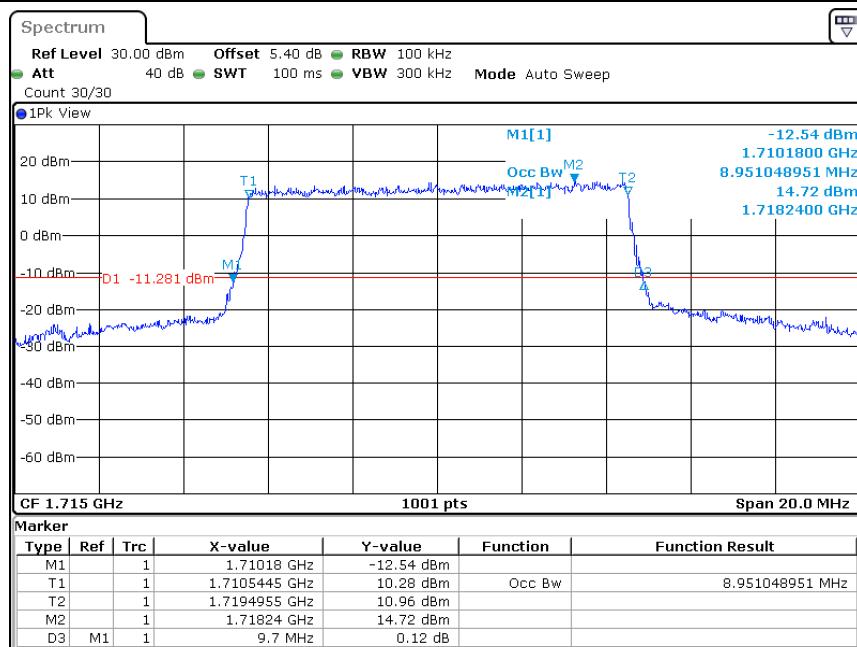
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## Band4-5MHz-16QAM-20375-25RB#0-4.486



Date: 15.JUL.2020 16:07:22

## Band4-10MHz-QPSK-20000-50RB#0-8.951



Date: 15.JUL.2020 16:07:40

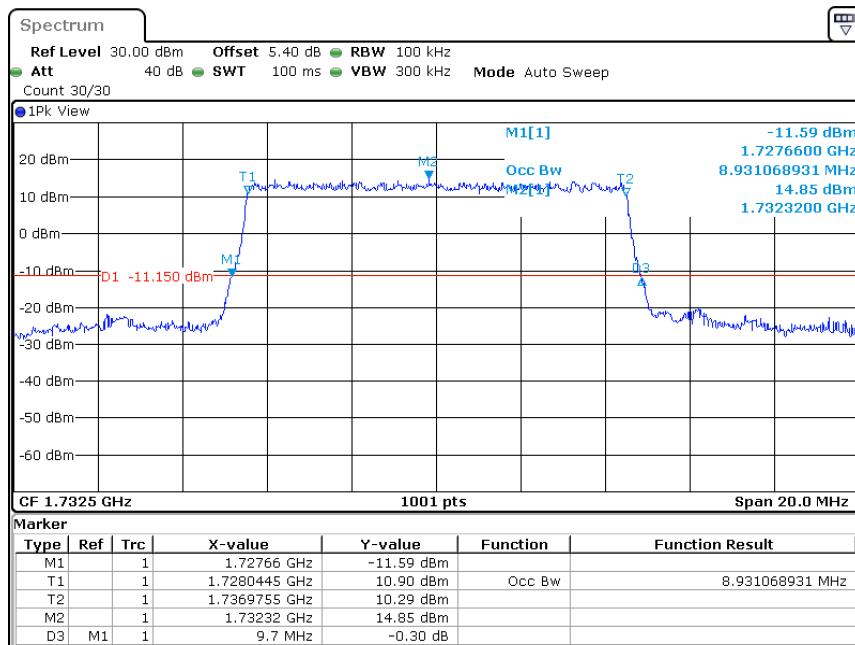
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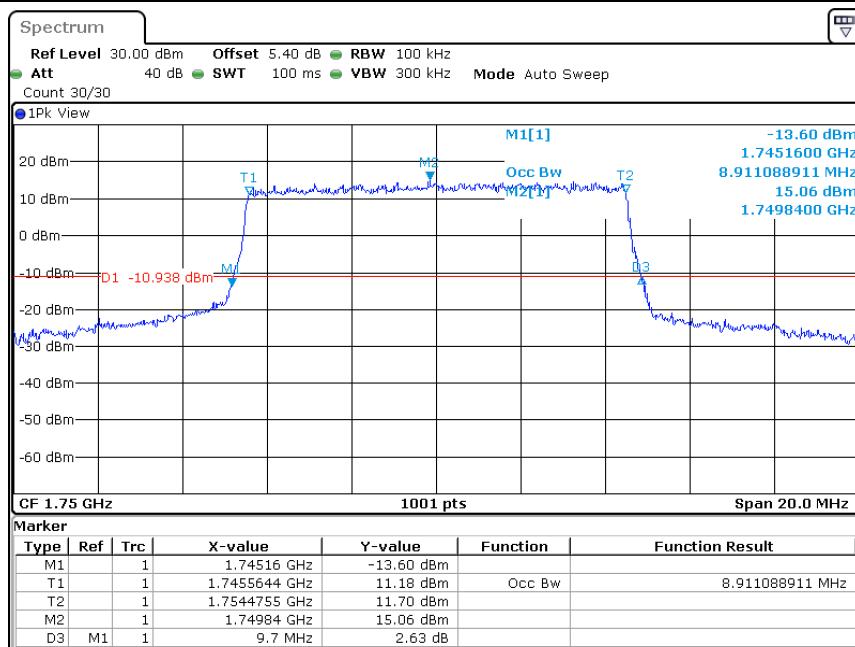
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## Band4-10MHz-QPSK-20175-50RB#0-8.931



Date: 15.JUL.2020 16:08:05

## Band4-10MHz-QPSK-20350-50RB#0-8.911



Date: 15.JUL.2020 16:08:31

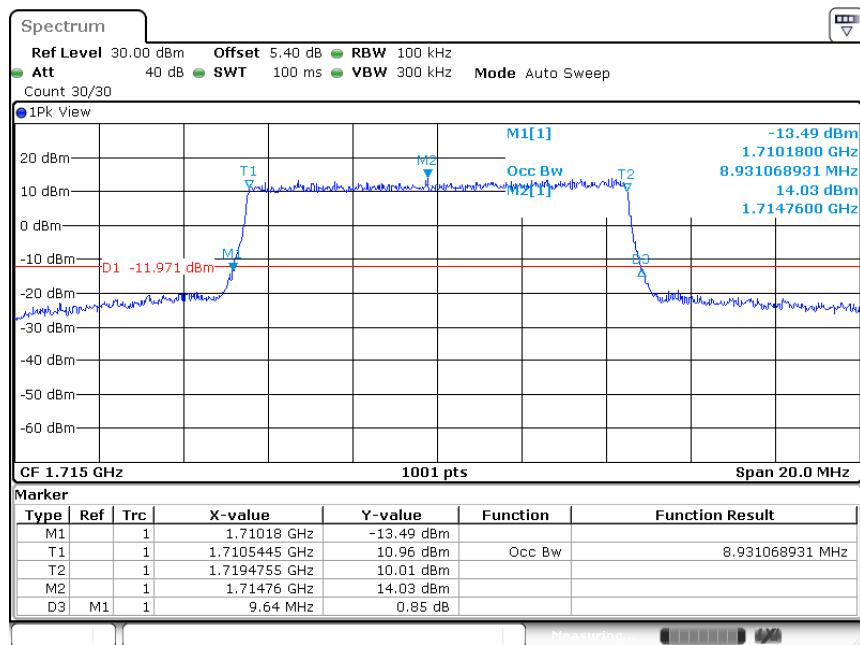
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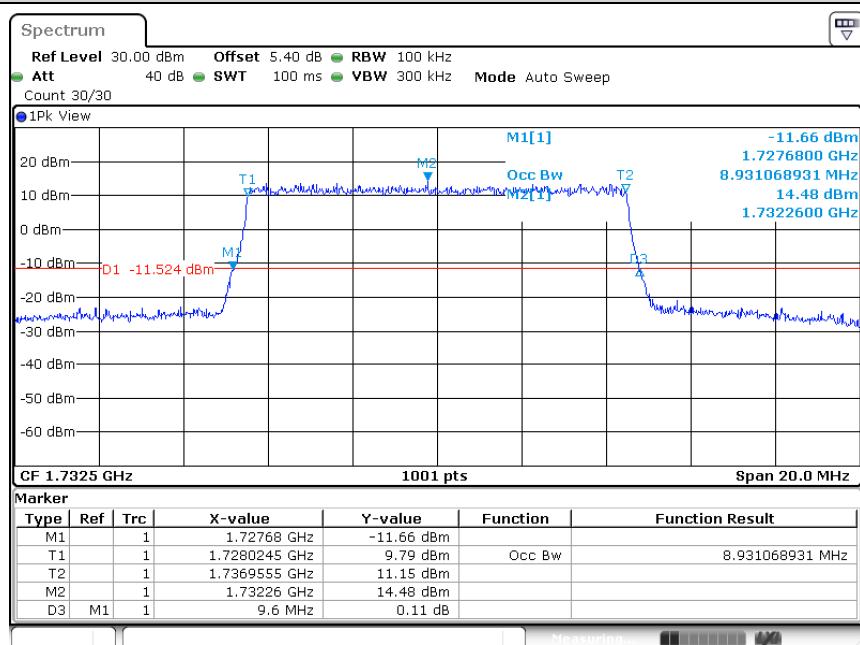
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## Band4-10MHz-64QAM-20000-50RB#0-8.931



Date: 10.AUG.2020 23:30:18

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



Date: 10.AUG.2020 23:30:31

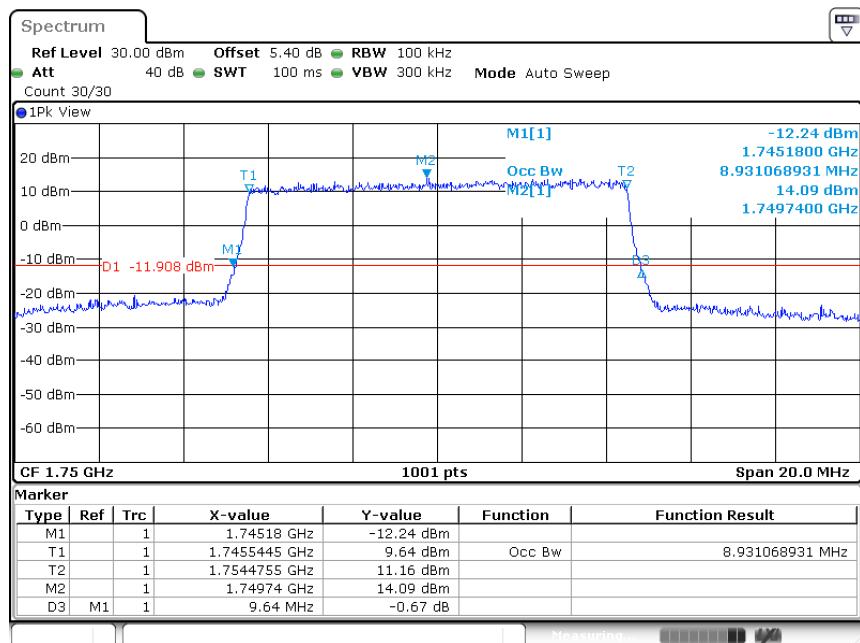
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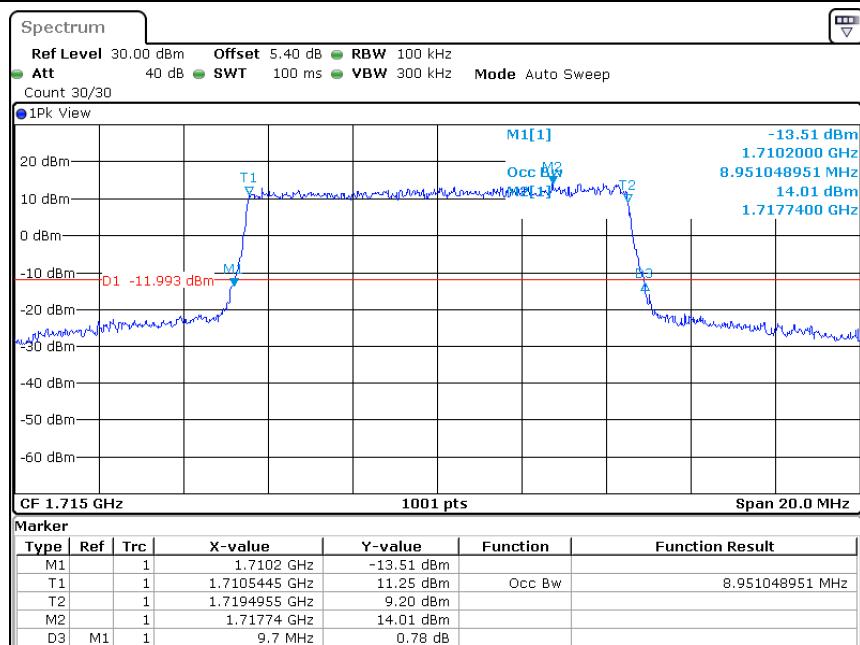
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## Band4-10MHz-64QAM-20350-50RB#0-8.931



Date: 10.AUG.2020 23:30:44

## Band4-10MHz-16QAM-20000-50RB#0-8.951



Date: 15.JUL.2020 16:07:52

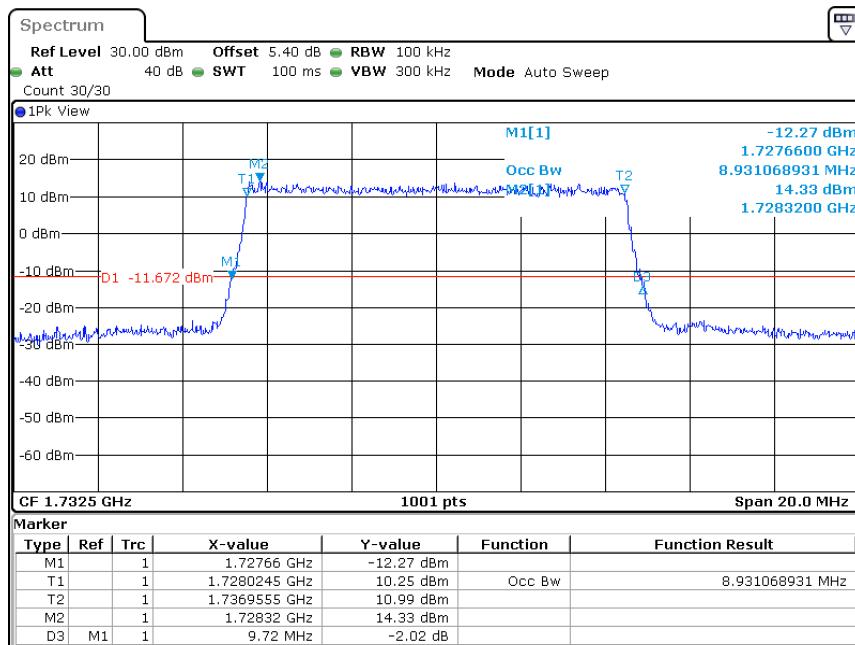
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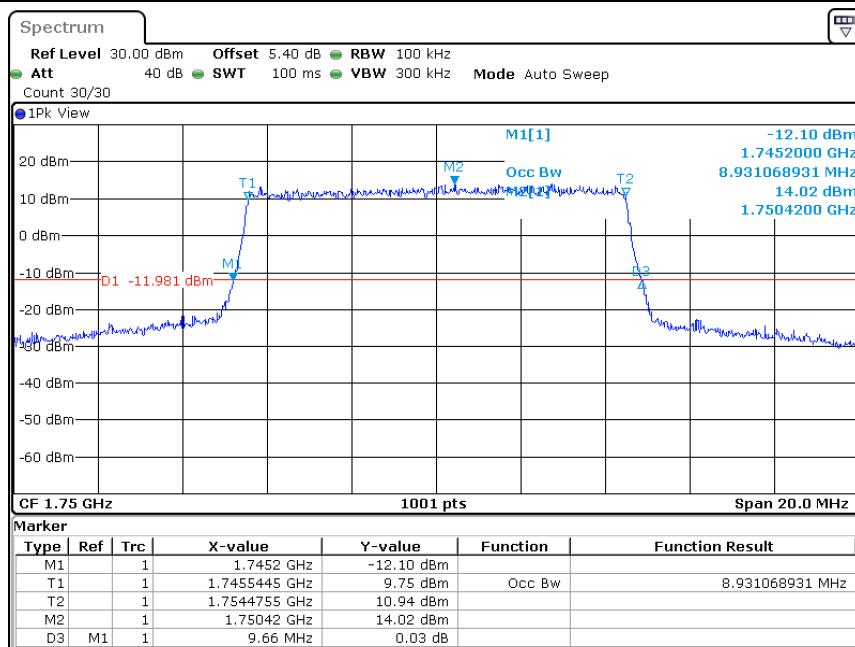
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## Band4-10MHz-16QAM-20175-50RB#0-8.931



Date: 15.JUL.2020 16:08:18

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



Date: 15.JUL.2020 16:08:43

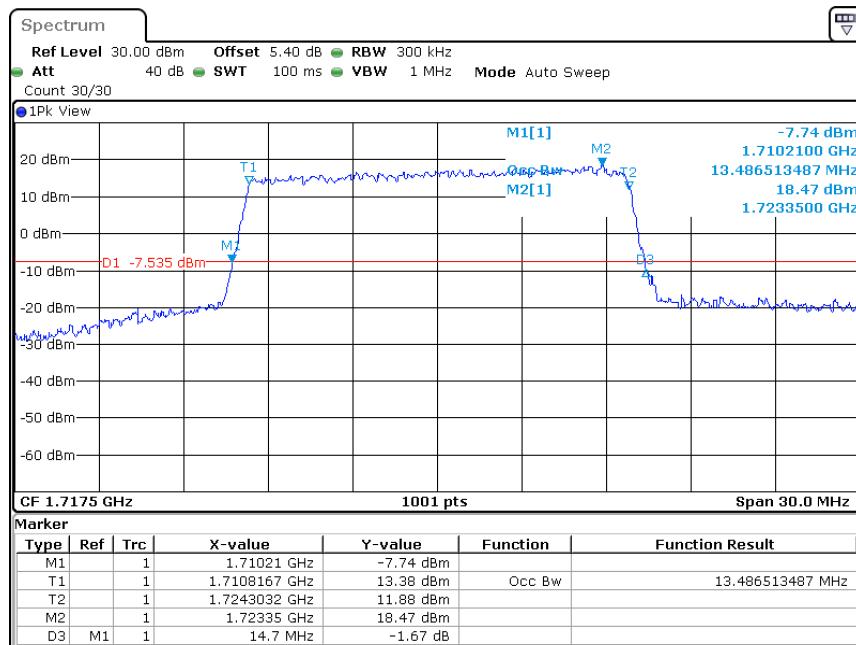
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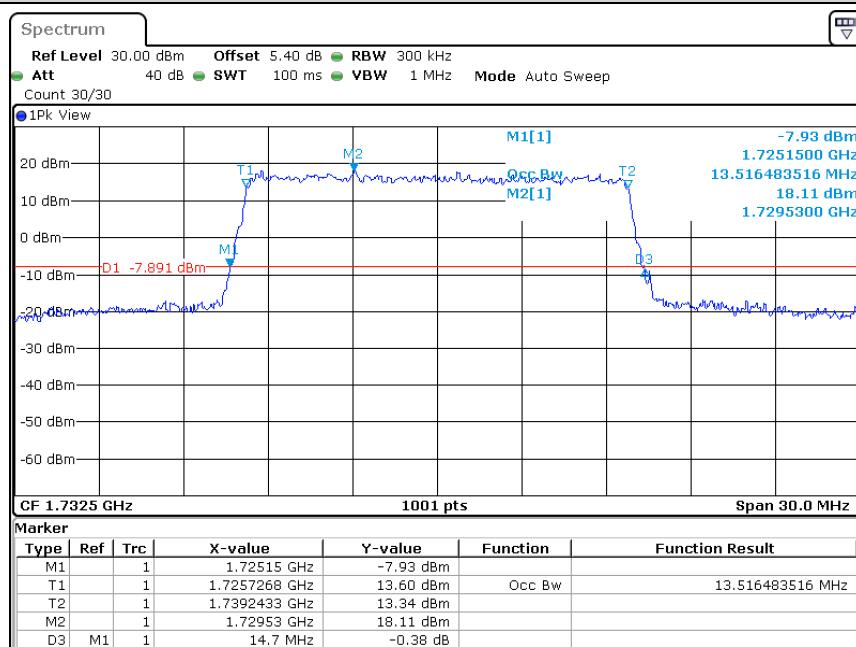
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## Band4-15MHz-QPSK-20025-75RB#0-13.487



Date: 15.JUL.2020 16:09:01

## Band4-15MHz-QPSK-20175-75RB#0-13.516



Date: 15.JUL.2020 16:09:27

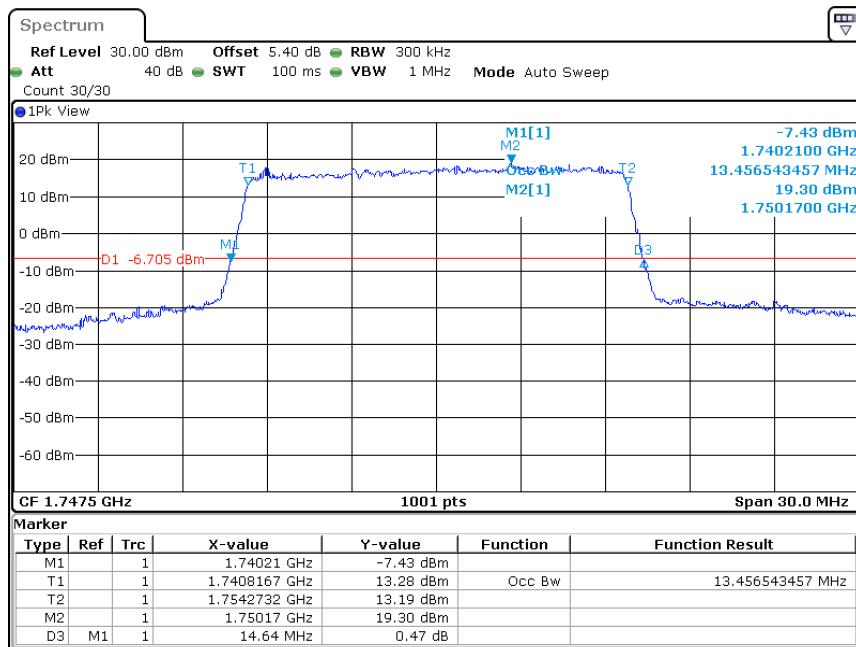
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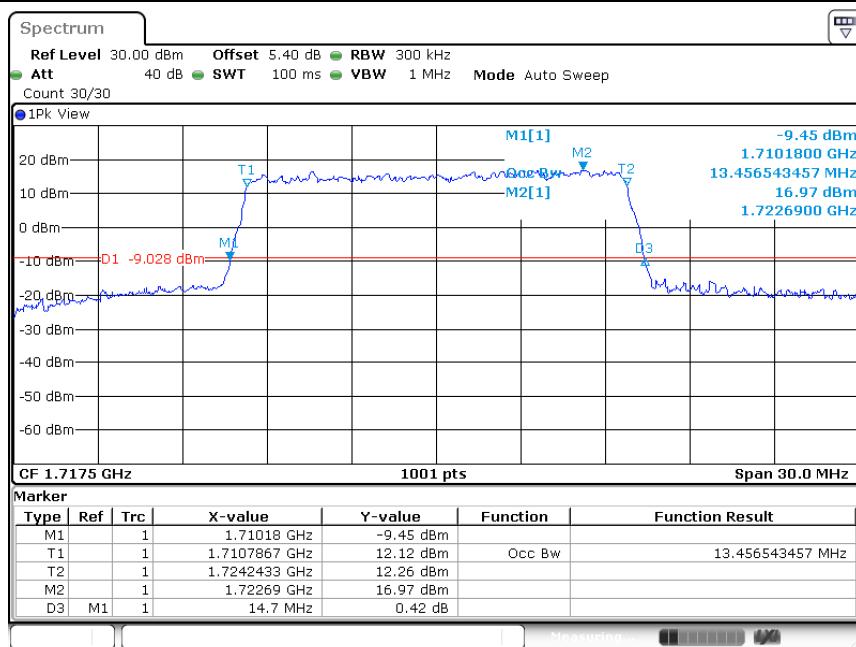
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## Band4-15MHz-QPSK-20325-75RB#0-13.457



Date: 15.JUL.2020 16:09:52

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



Date: 10.AUG.2020 23:31:04

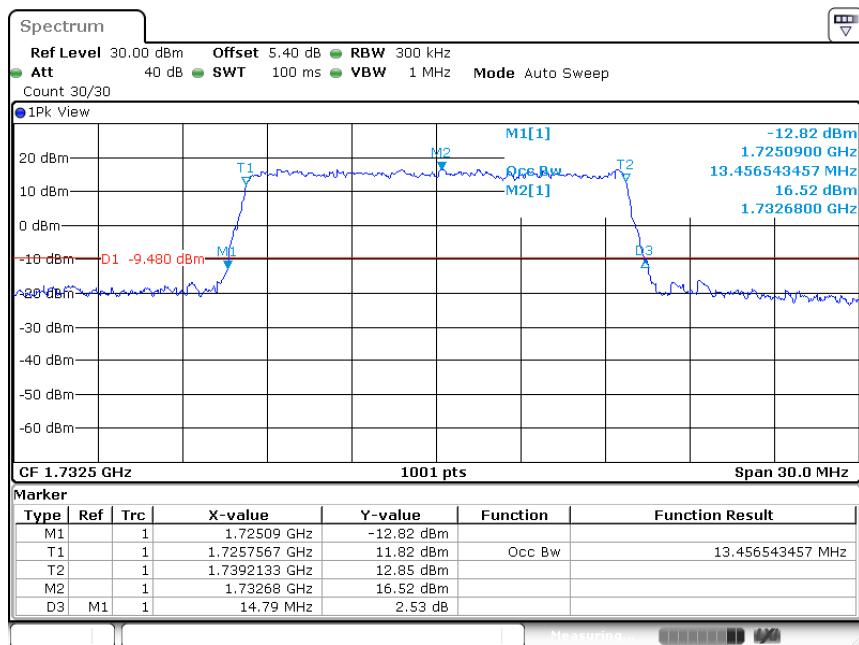
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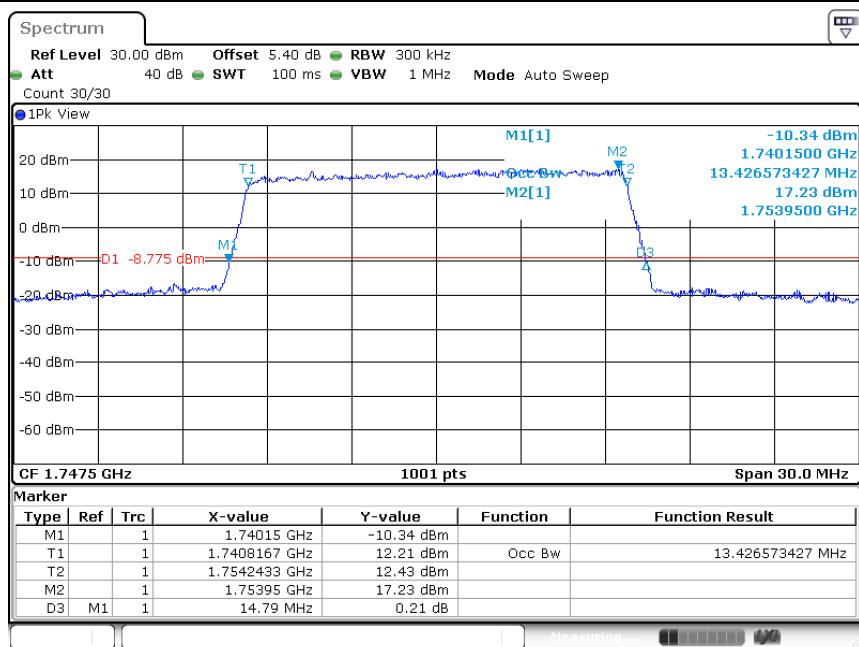
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## Band4-15MHz-64QAM-20175-75RB#0-13.457



Date: 10.AUG.2020 23:31:17

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



Date: 10.AUG.2020 23:31:30

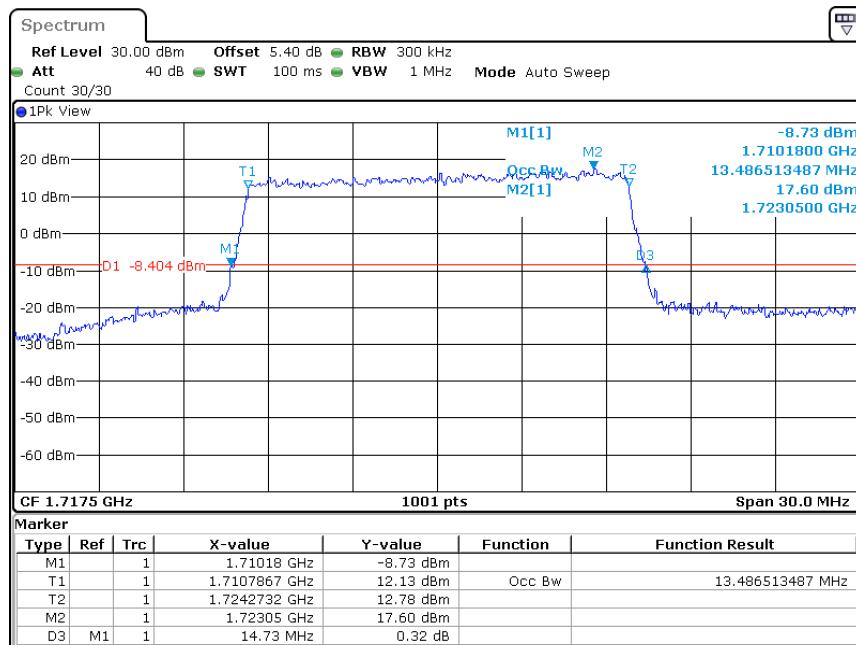
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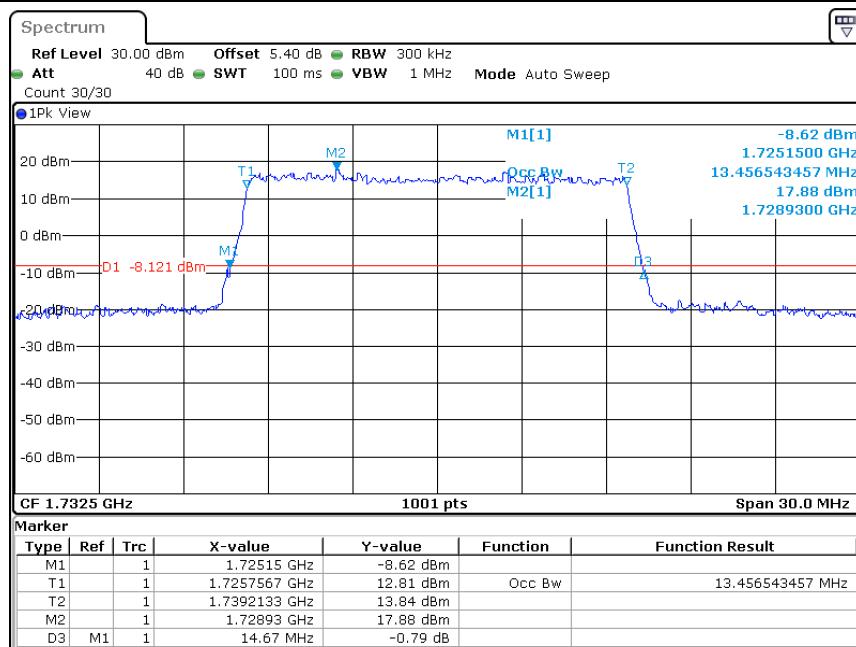
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## Band4-15MHz-16QAM-20025-75RB#0-13.487



Date: 15.JUL.2020 16:09:14

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



Date: 15.JUL.2020 16:09:39

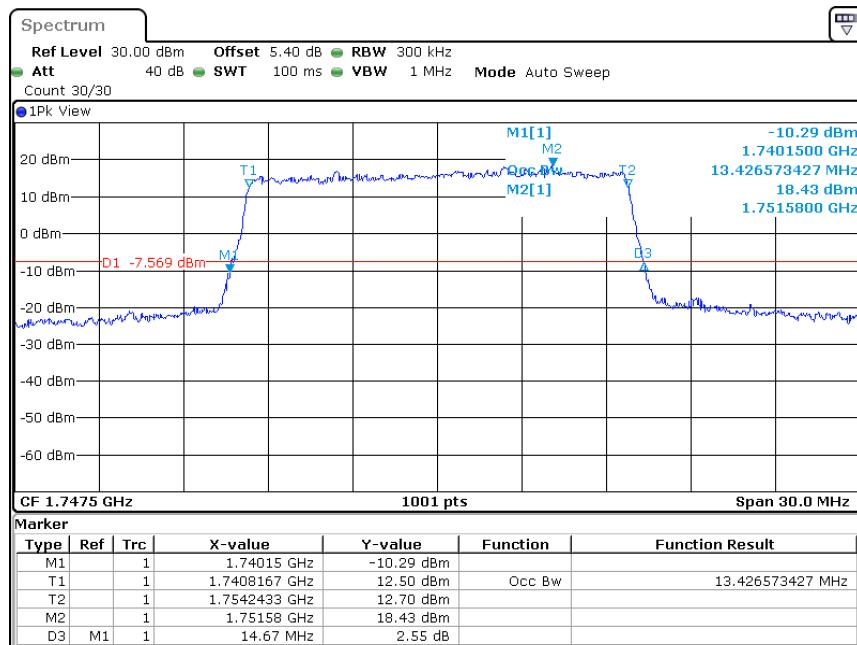
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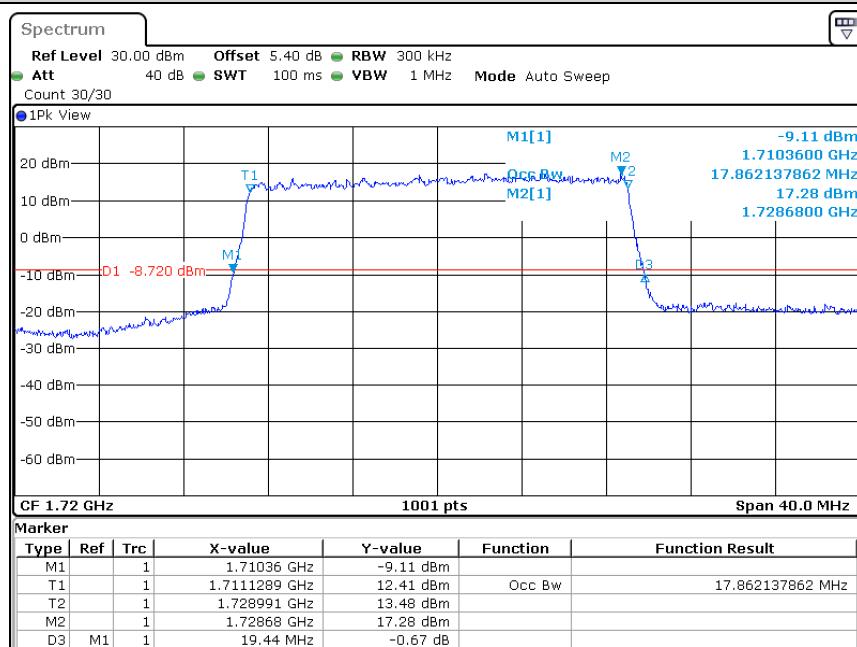
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## Band4-15MHz-16QAM-20325-75RB#0-13.427



Date: 15.JUL.2020 16:10:05

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



Date: 15.JUL.2020 16:10:22

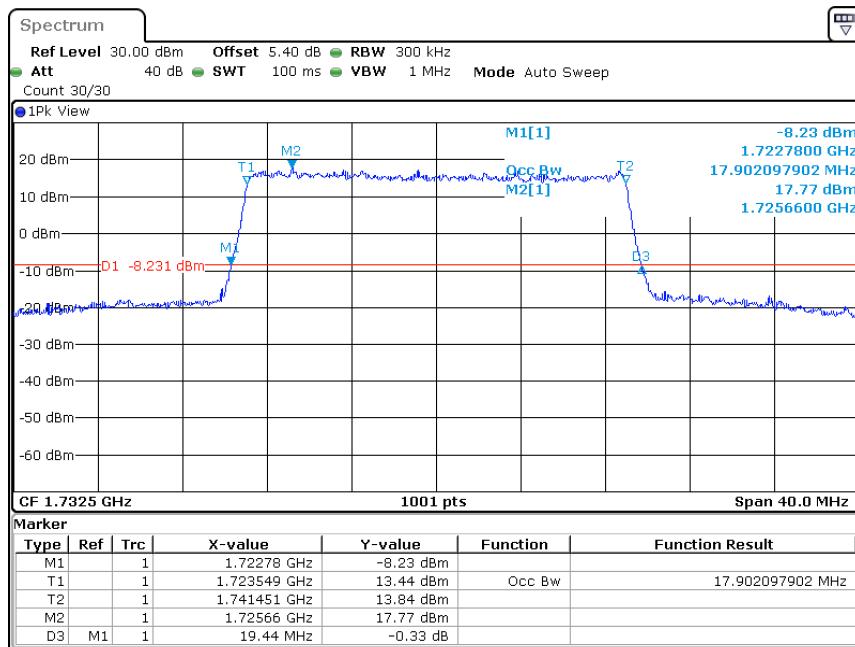
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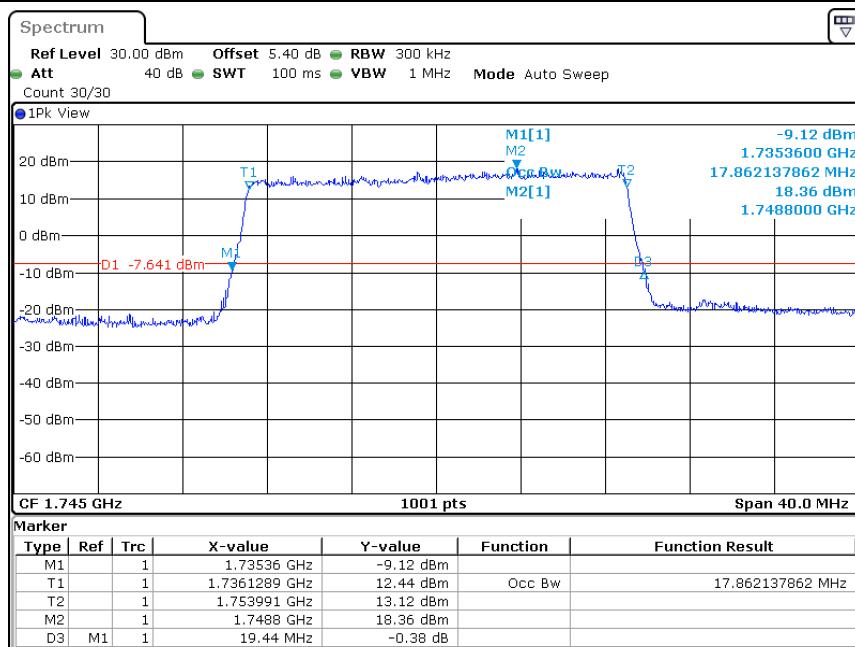
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## Band4-20MHz-QPSK-20175-100RB#0-17.902



Date: 15.JUL.2020 16:10:48

## Band4-20MHz-QPSK-20300-100RB#0-17.862



Date: 15.JUL.2020 16:11:13

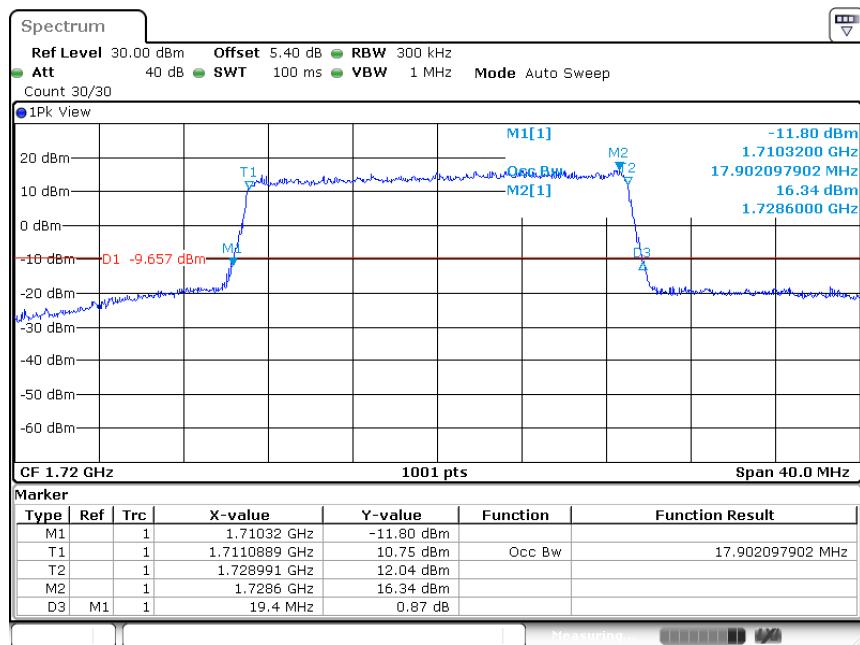
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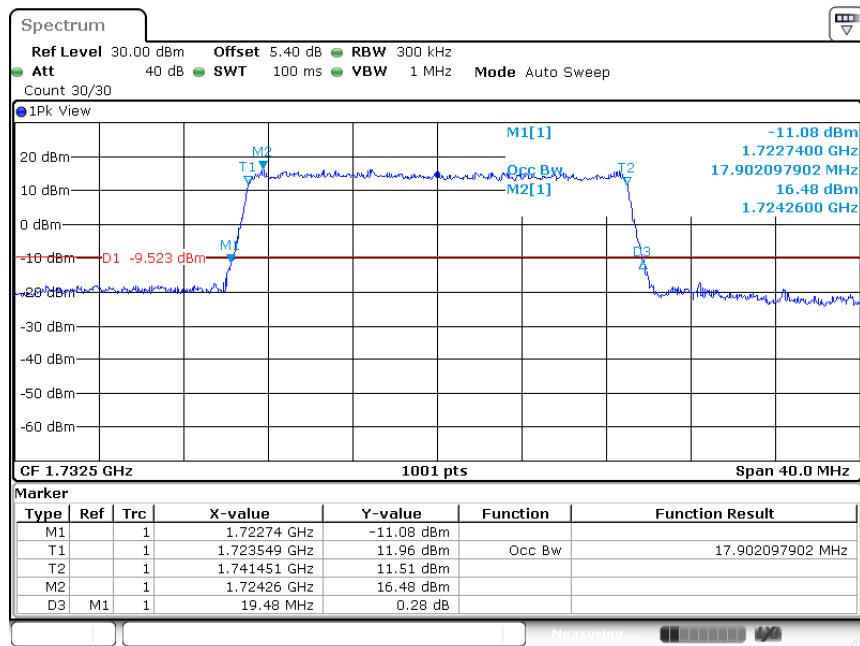
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## Band4-20MHz-64QAM-20050-100RB#0-17.902



Date: 10.AUG.2020 23:31:49

## Band4-20MHz-64QAM-20175-100RB#0-17.902



Date: 10.AUG.2020 23:32:02

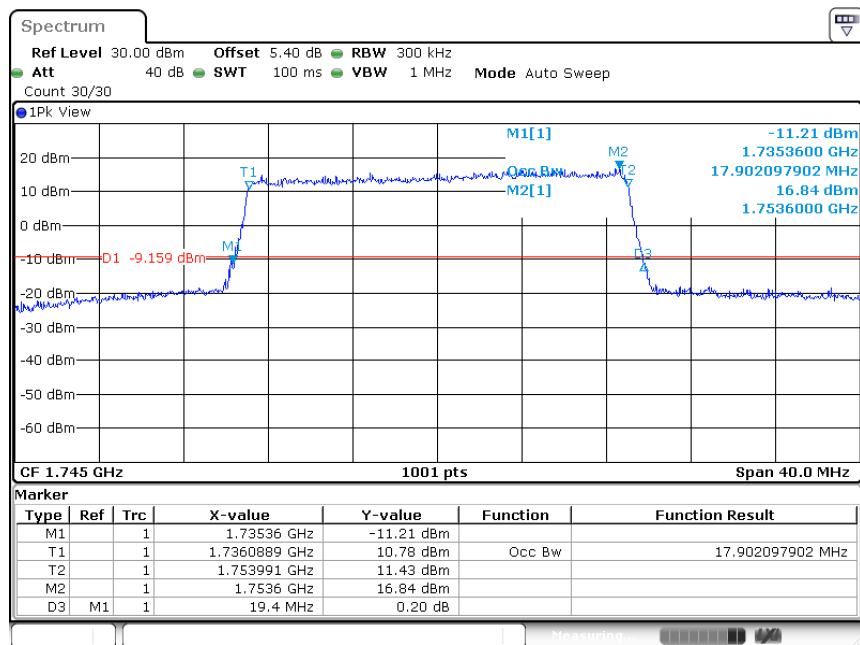
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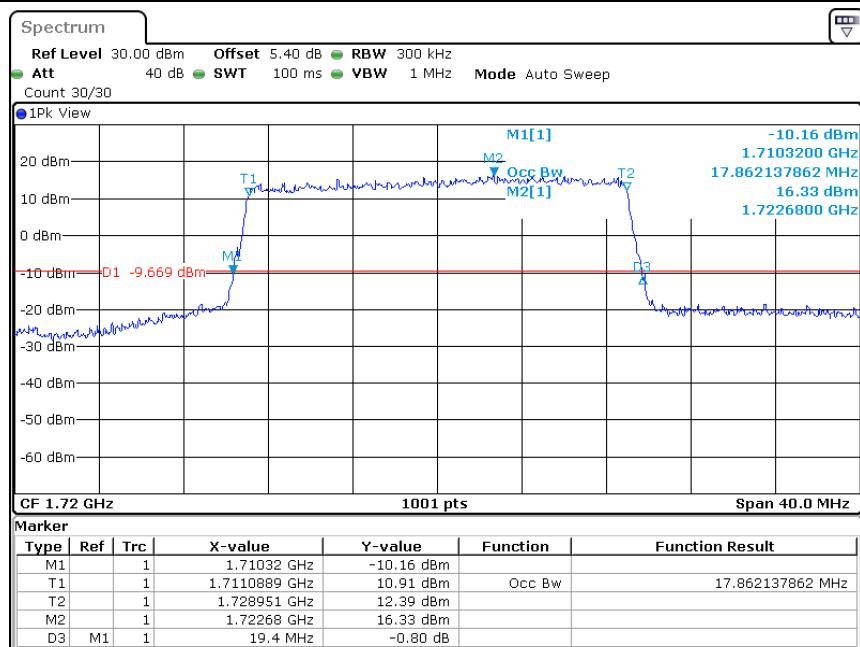
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## Band4-20MHz-64QAM-20300-100RB#0-17.902



Date: 10.AUG.2020 23:32:15

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



Date: 15.JUL.2020 16:10:35

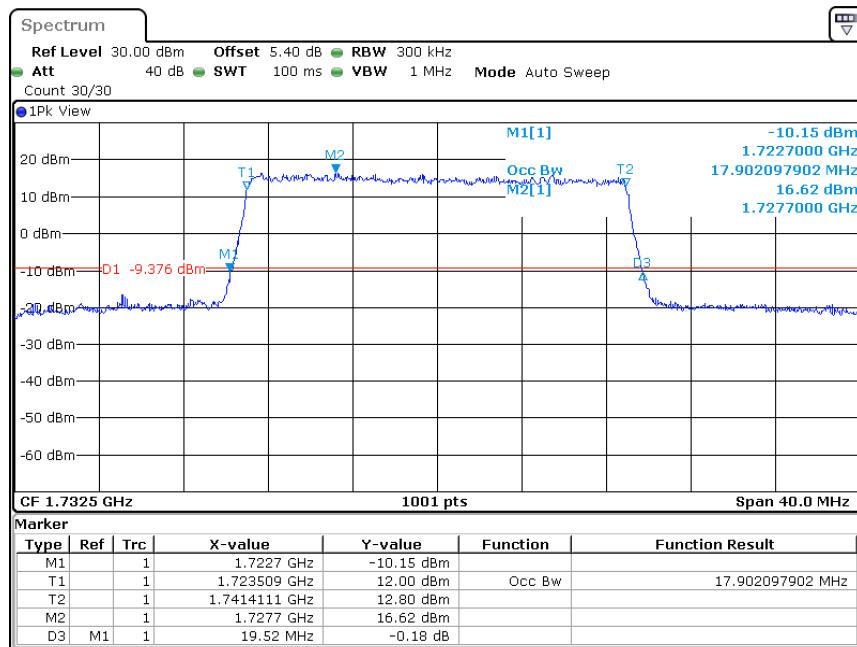
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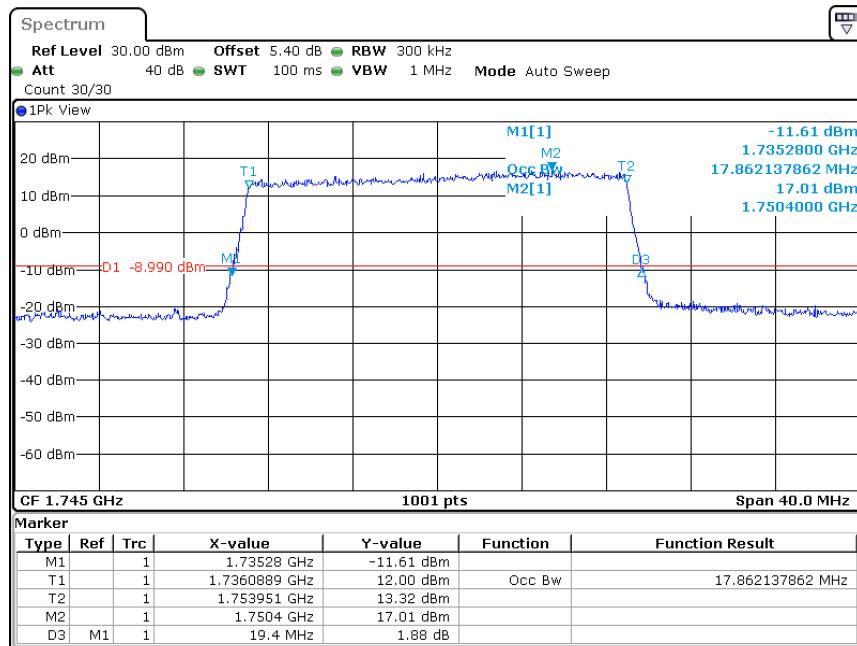
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## Band4-20MHz-16QAM-20175-100RB#0-17.902



Date: 15.JUL.2020 16:11:01

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



Date: 15.JUL.2020 16:11:26

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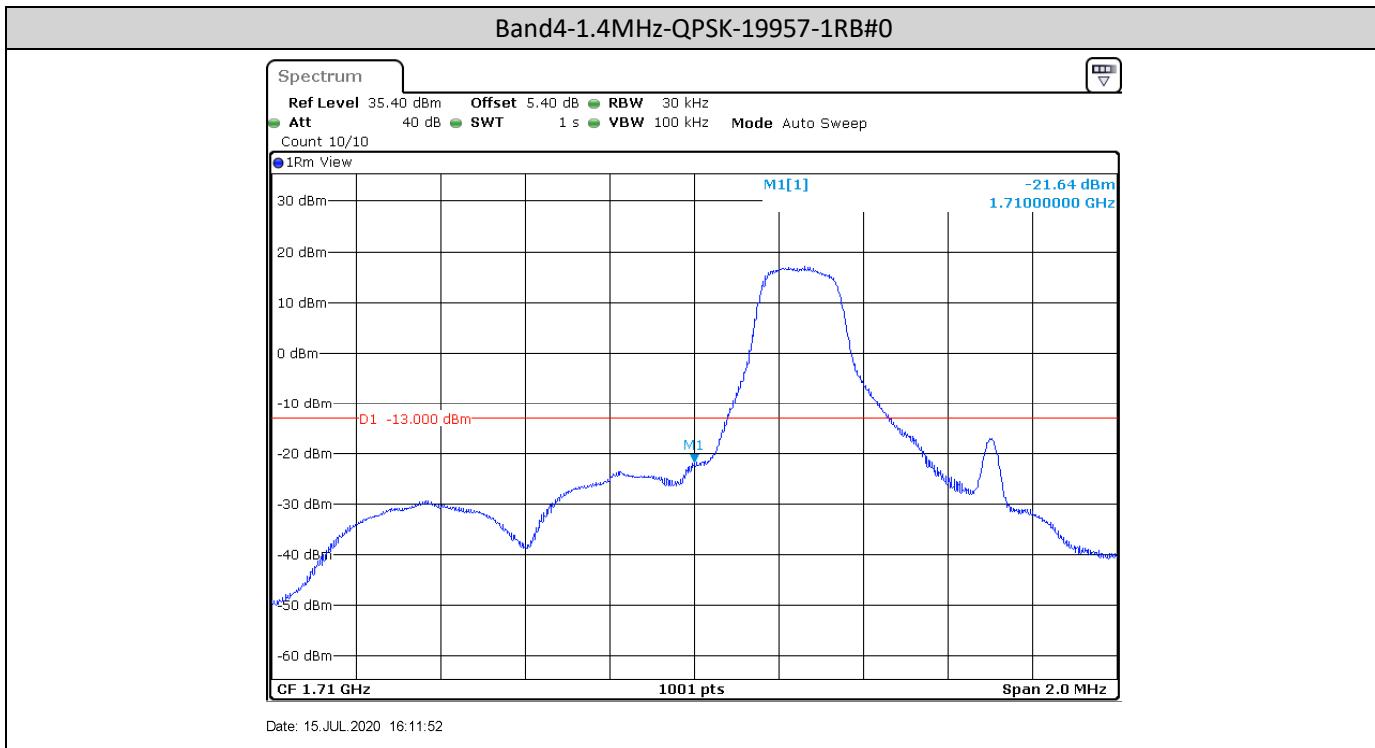
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## 5. Band Edge Compliance

### 5.1. Test Plots



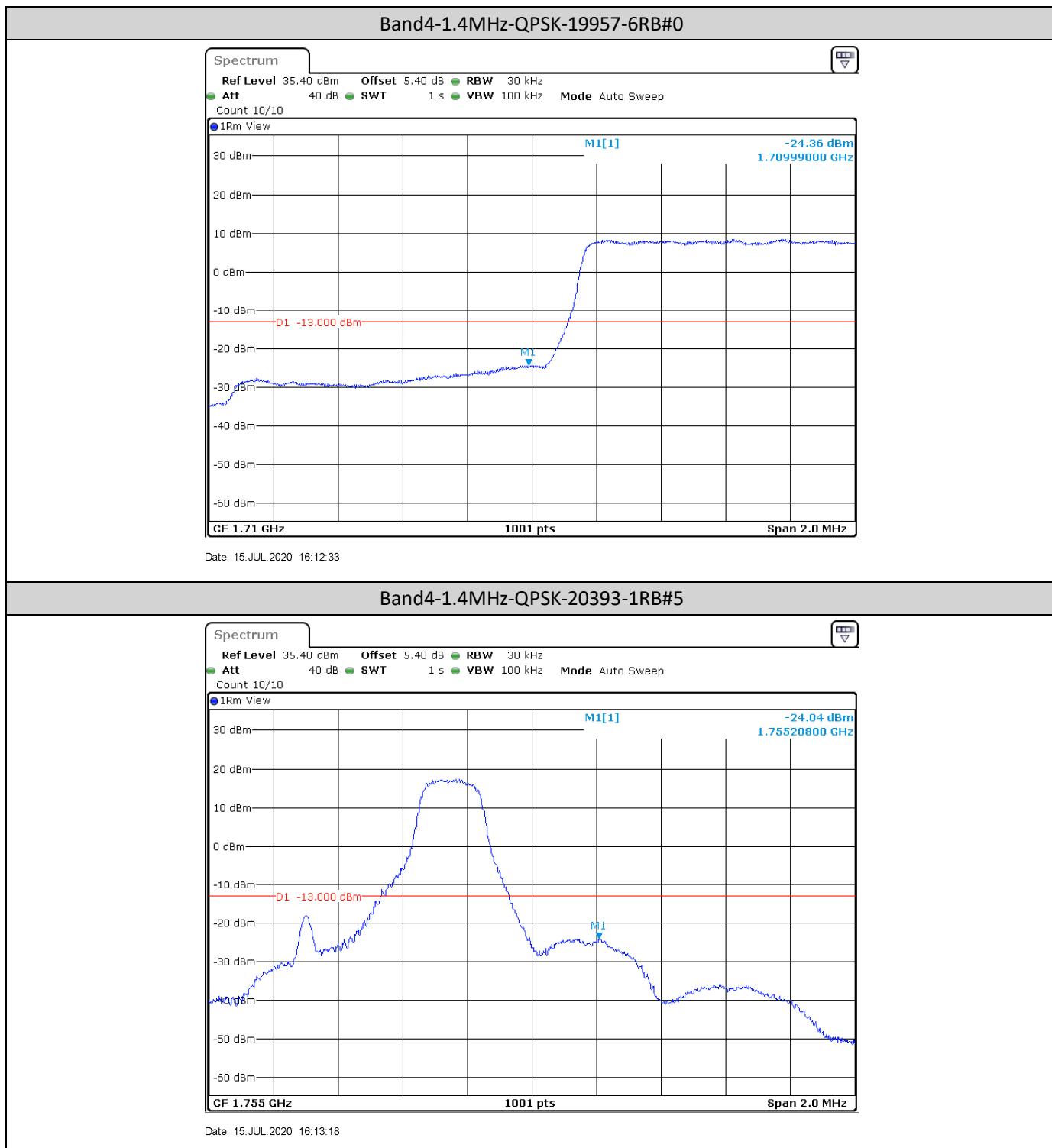
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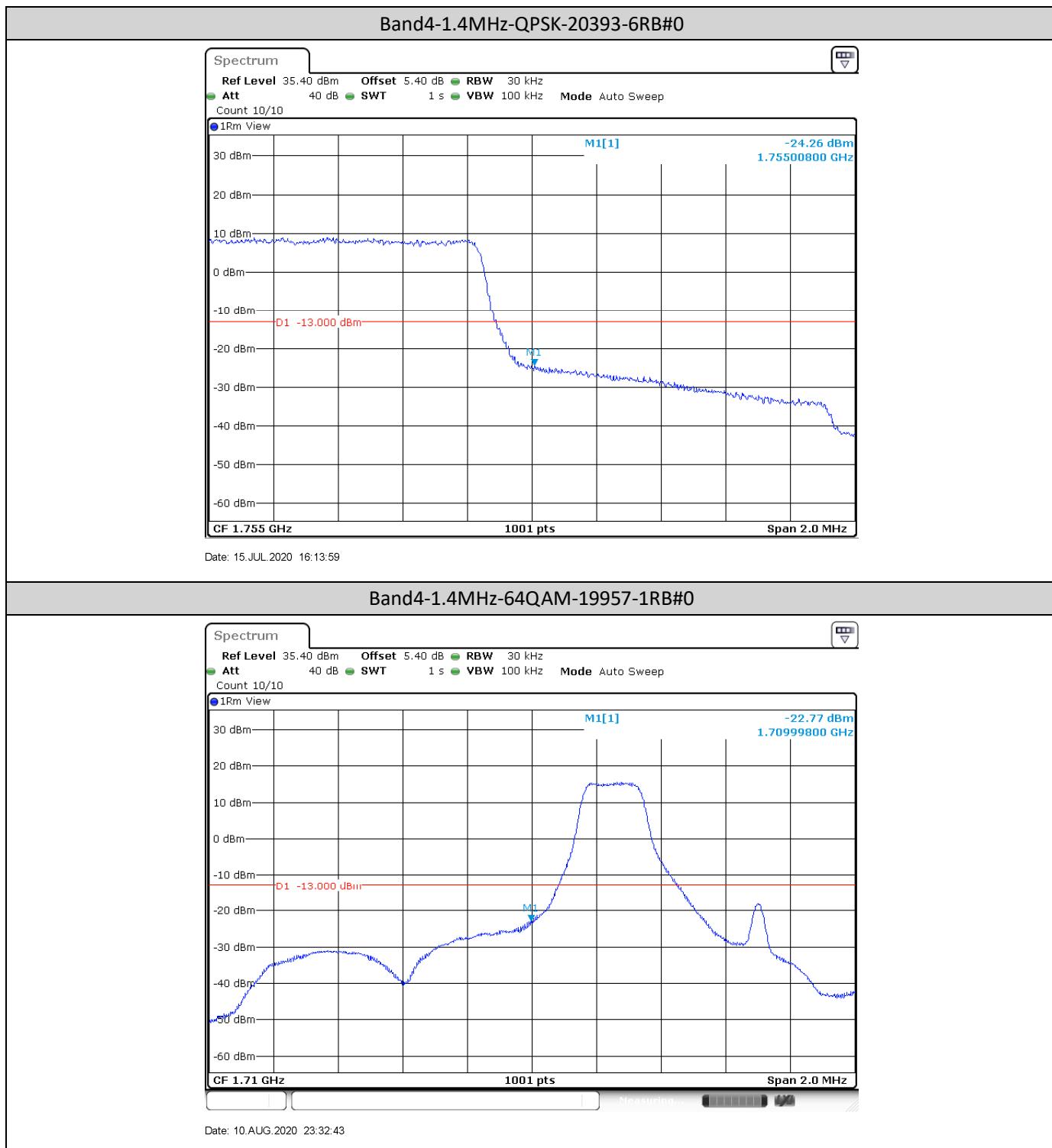


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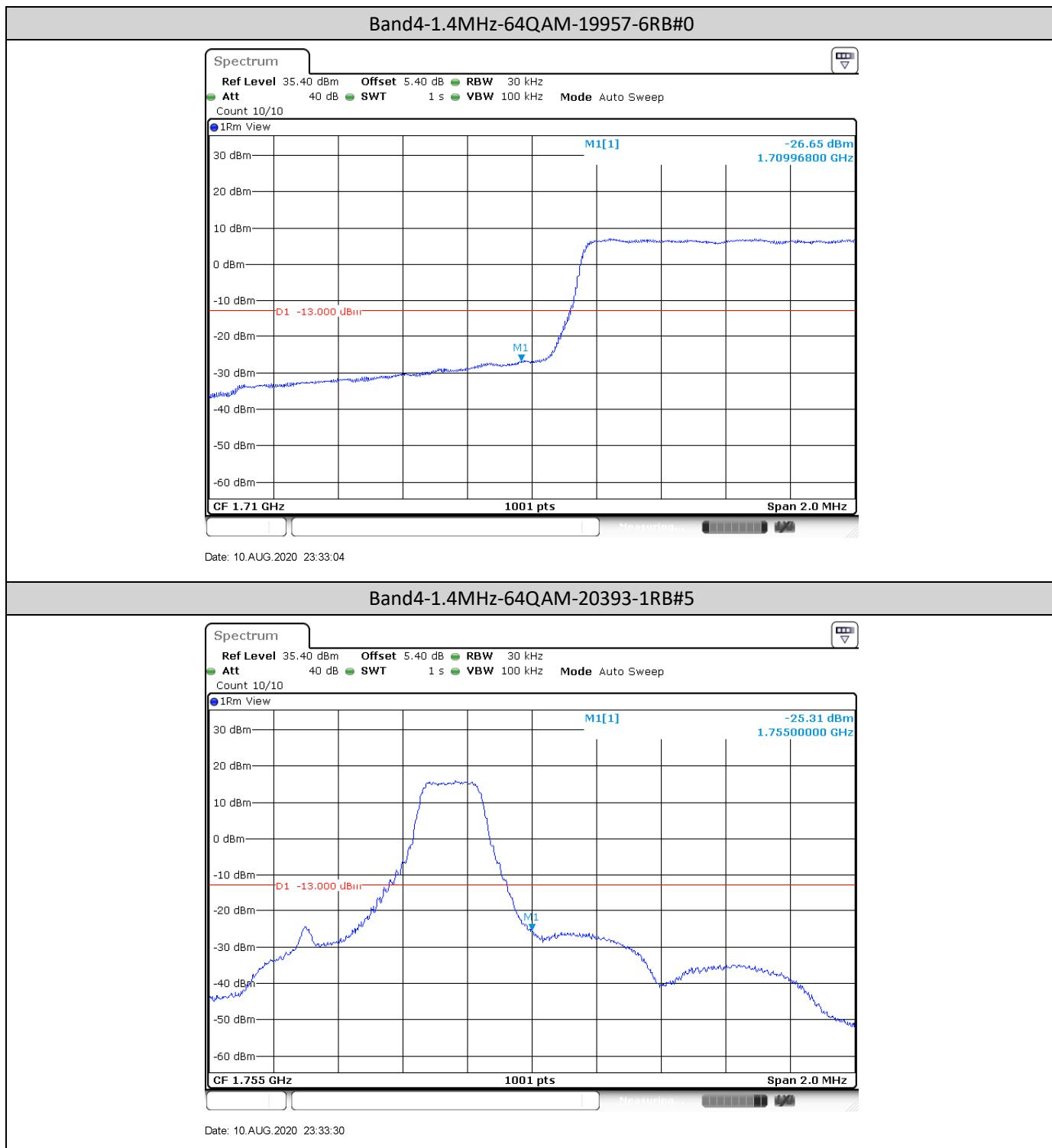


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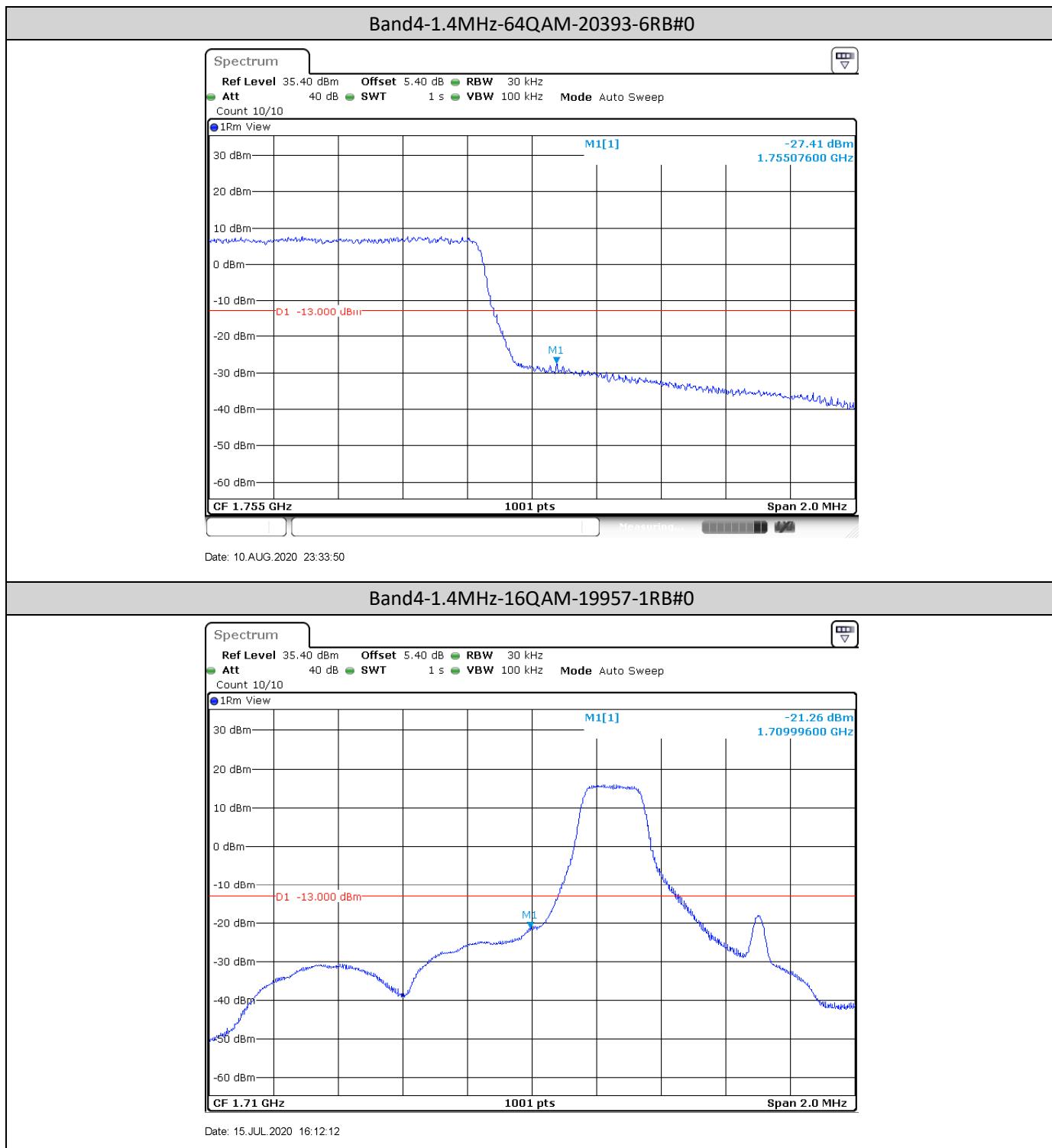


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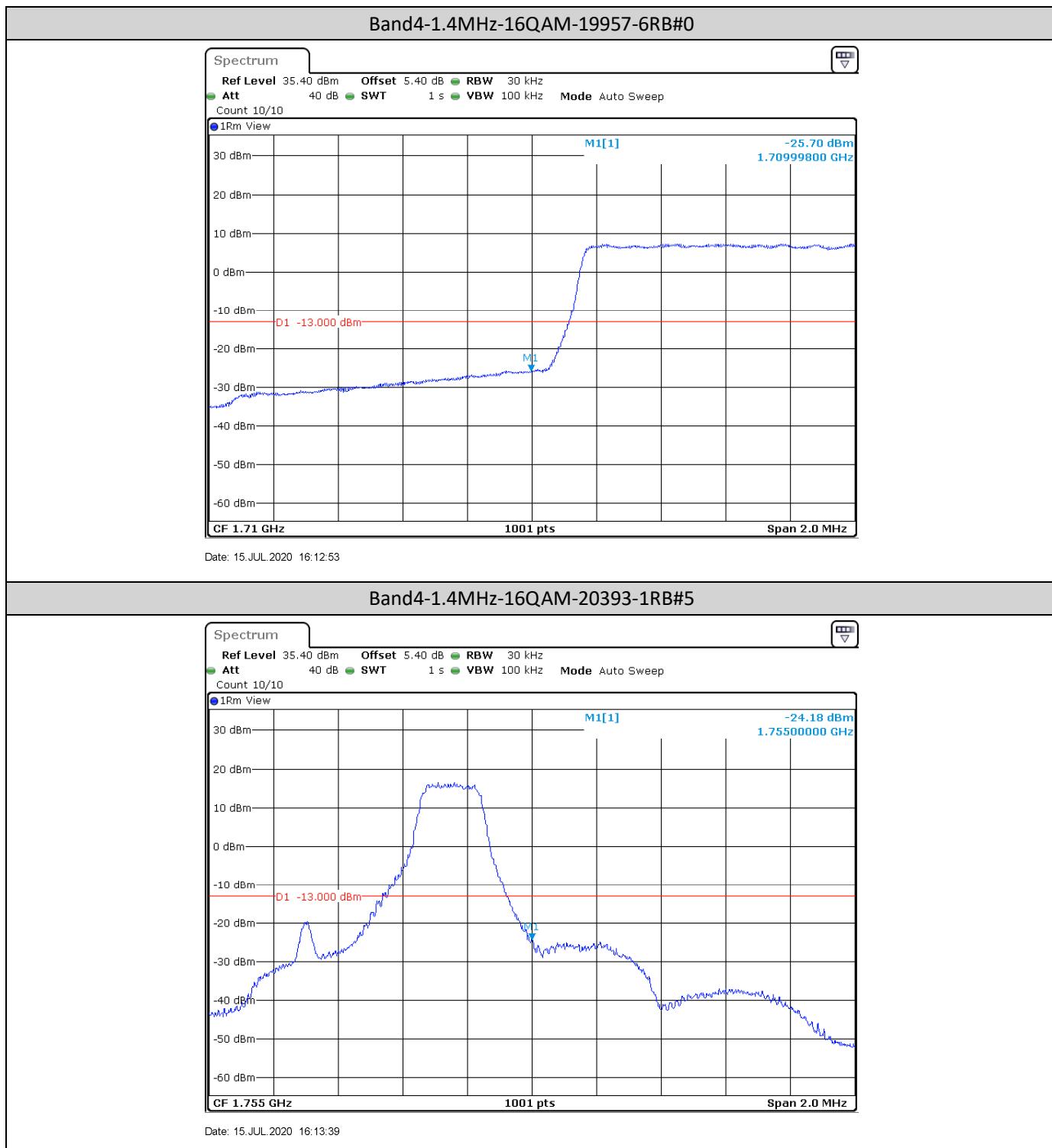


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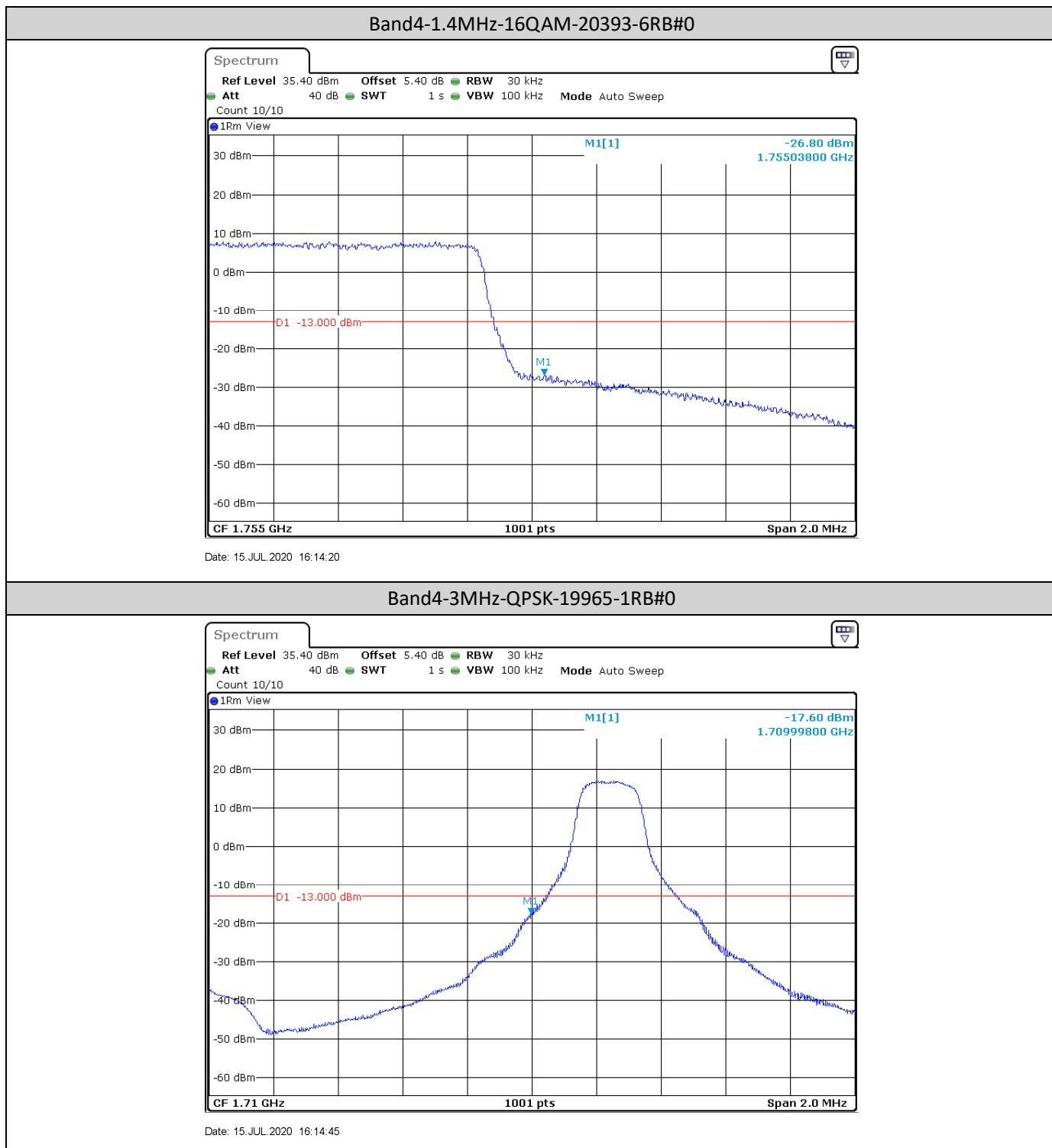


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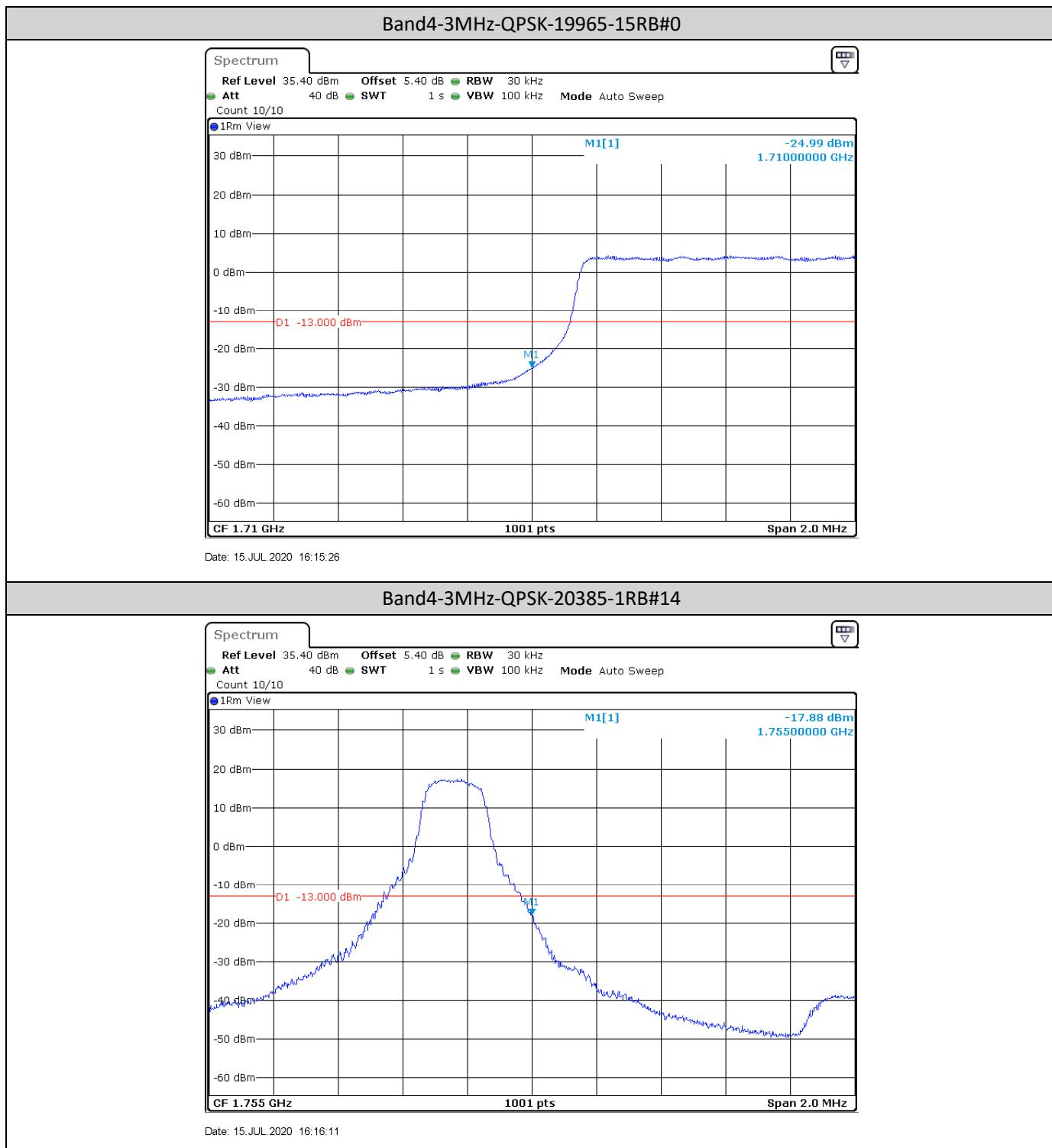


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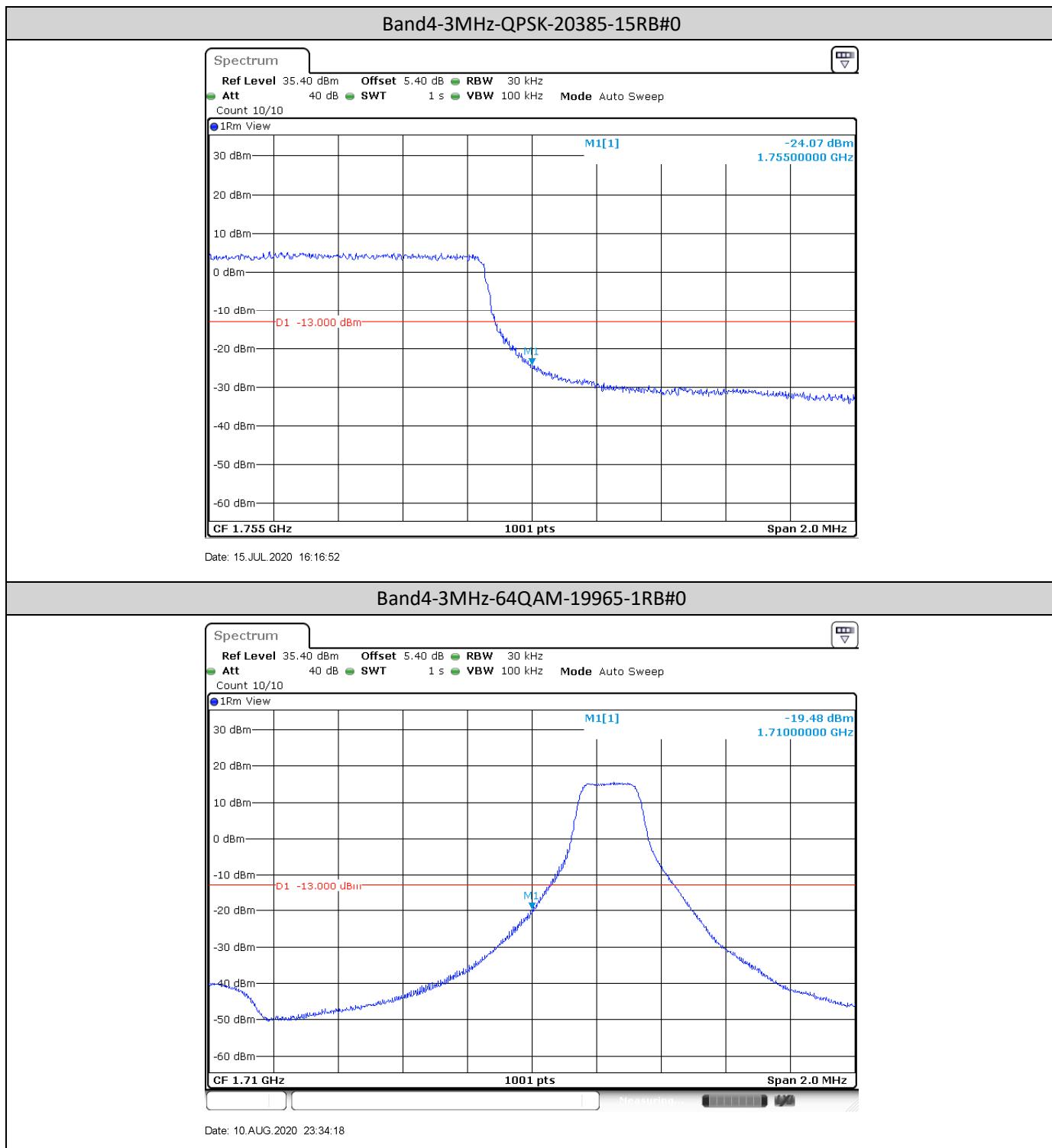


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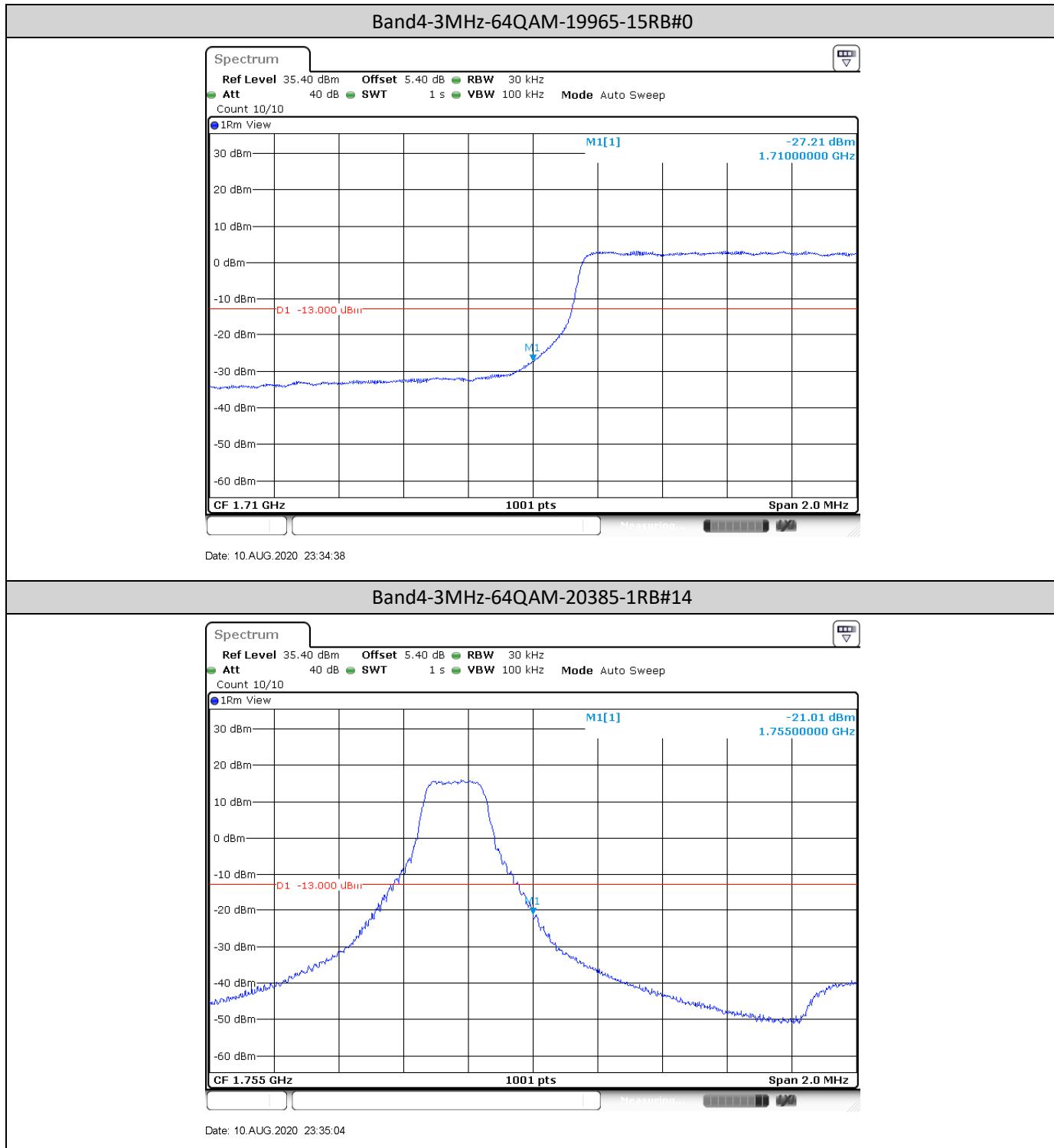


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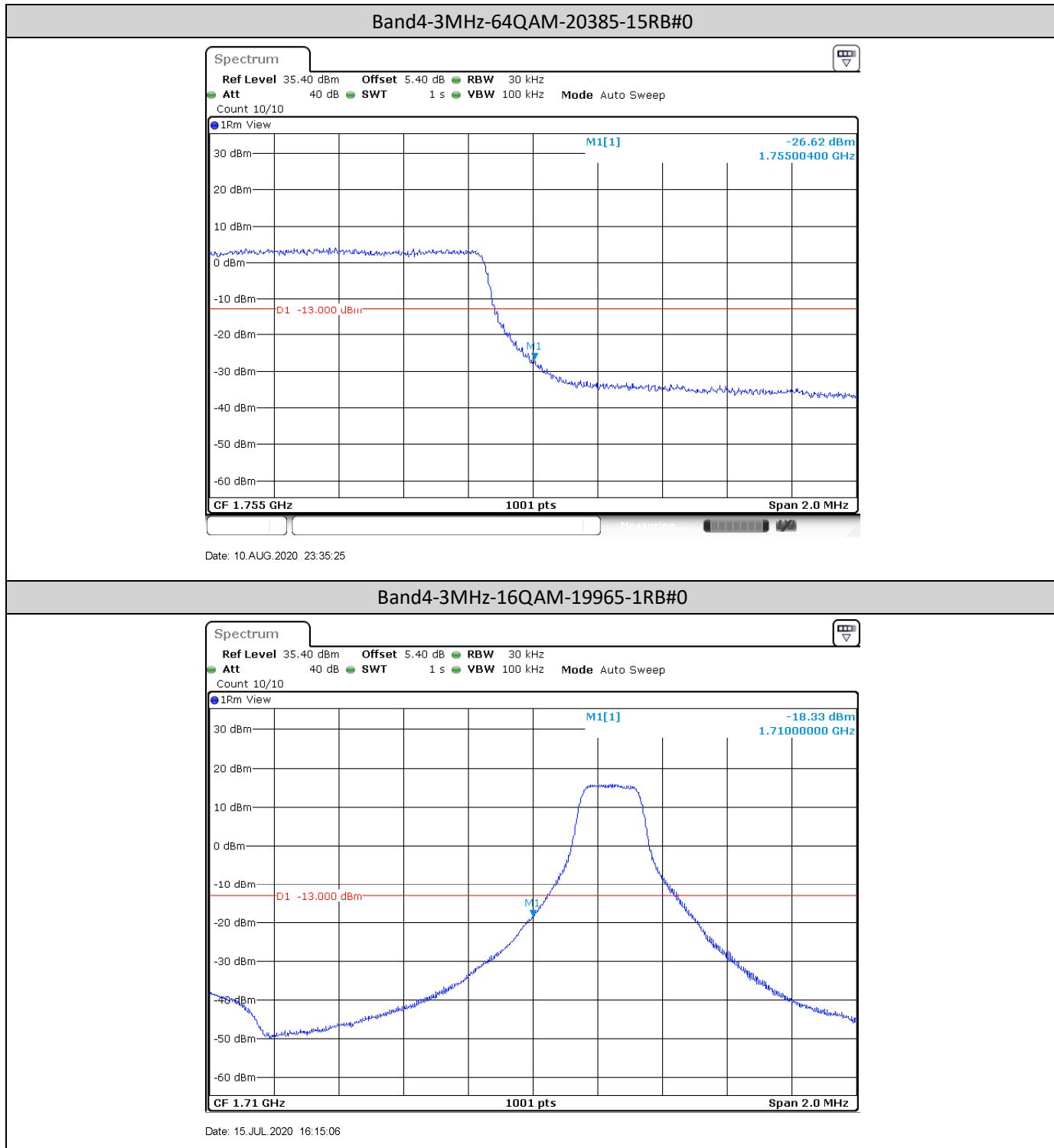


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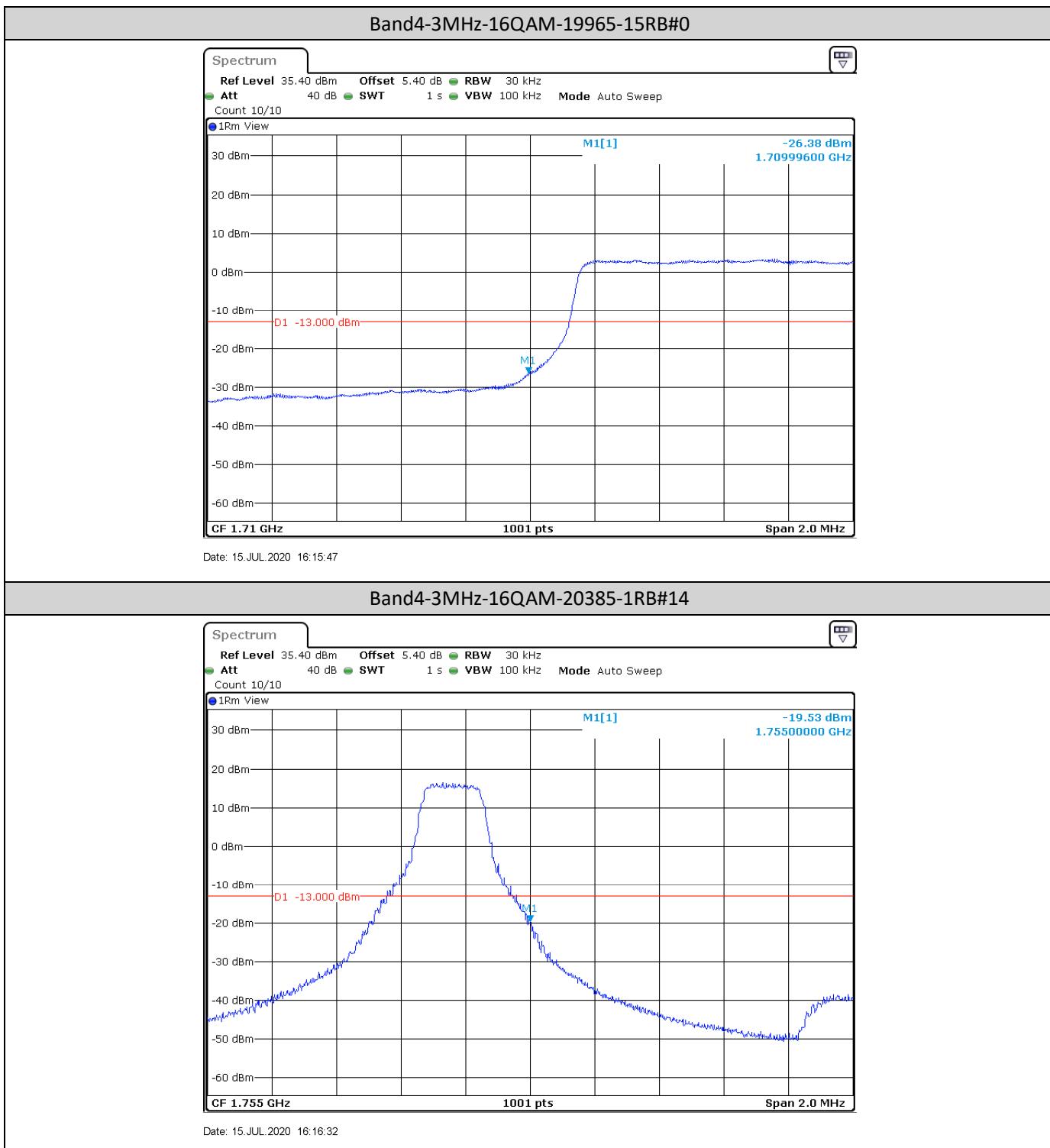


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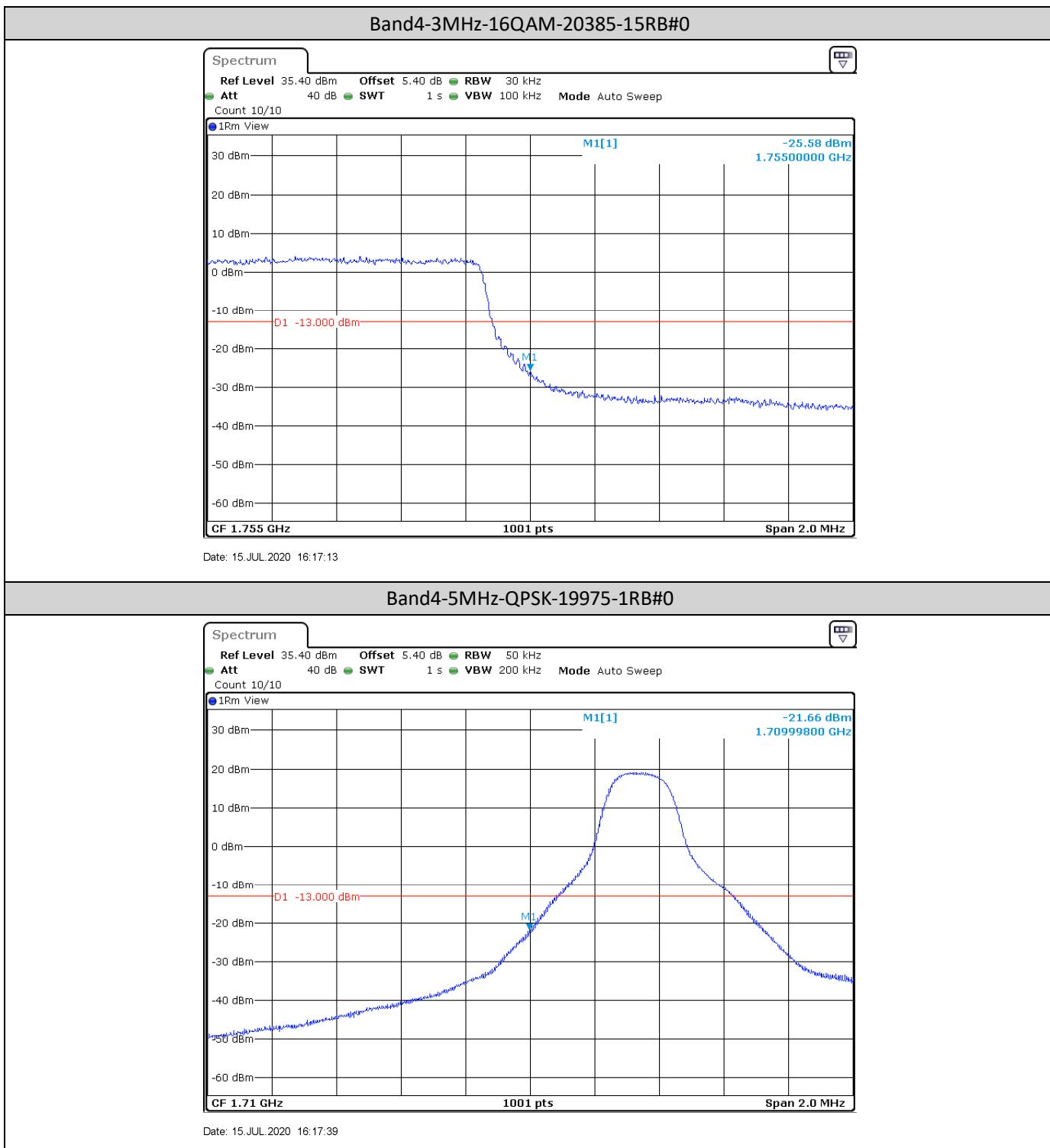


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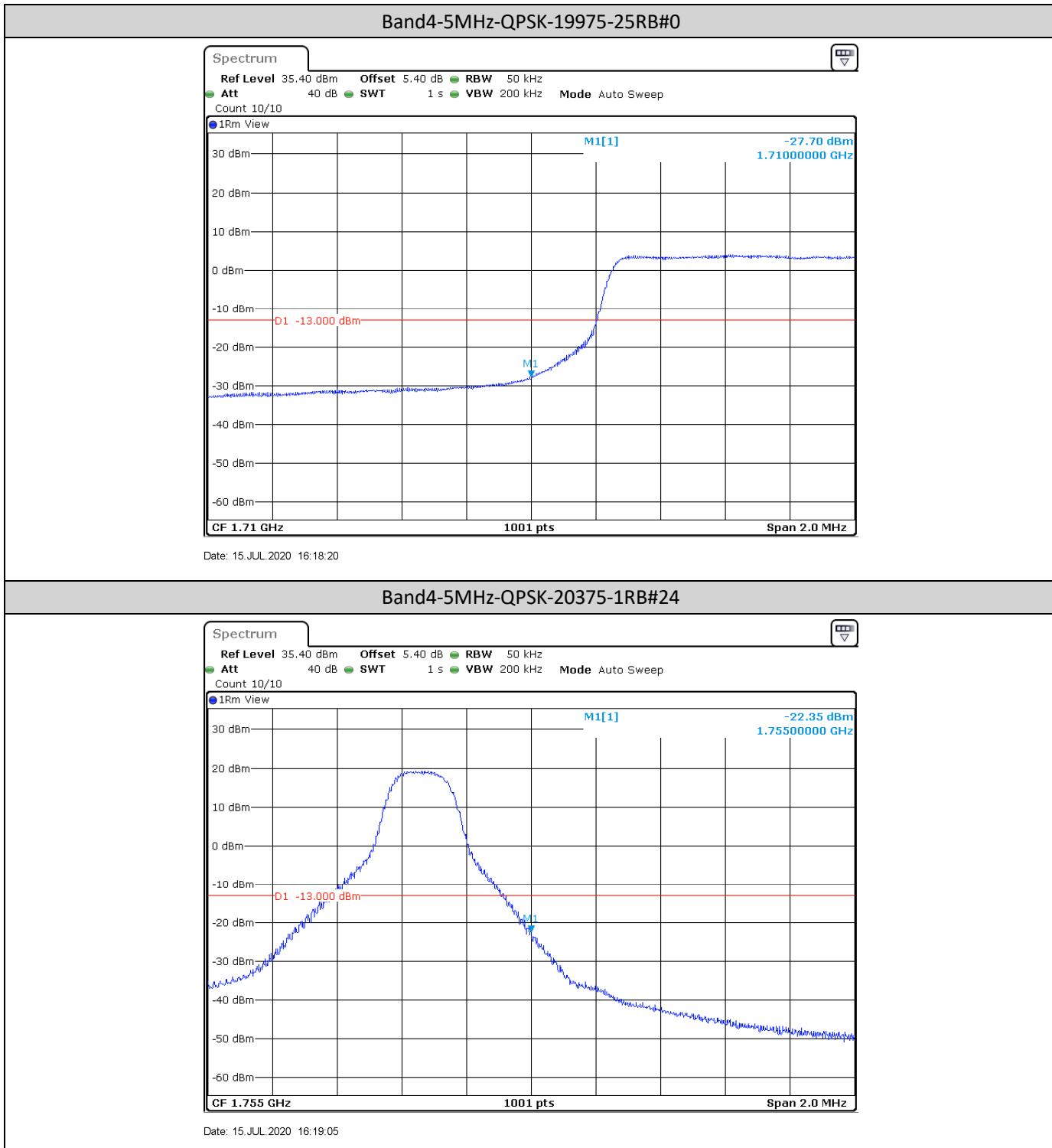


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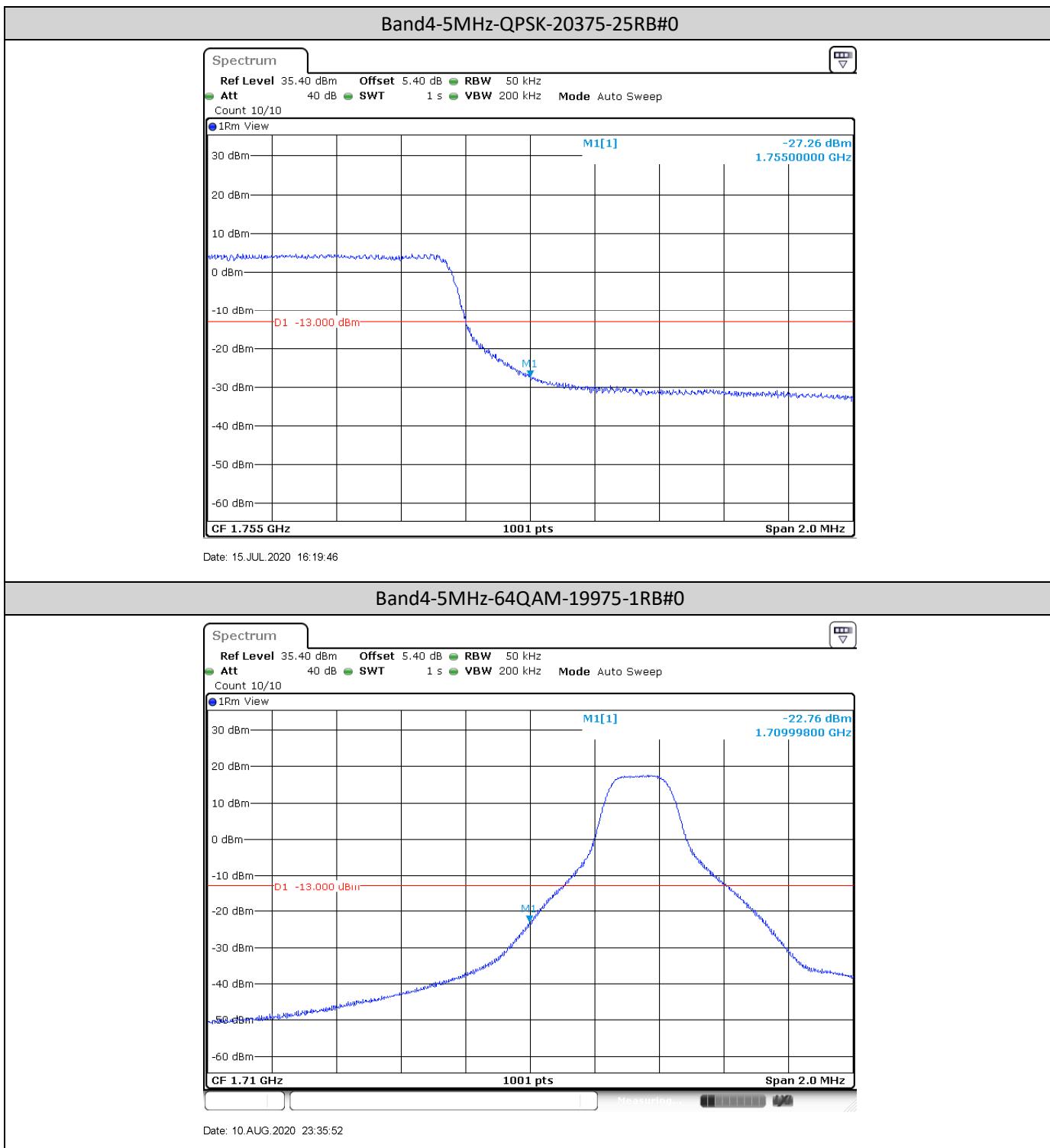


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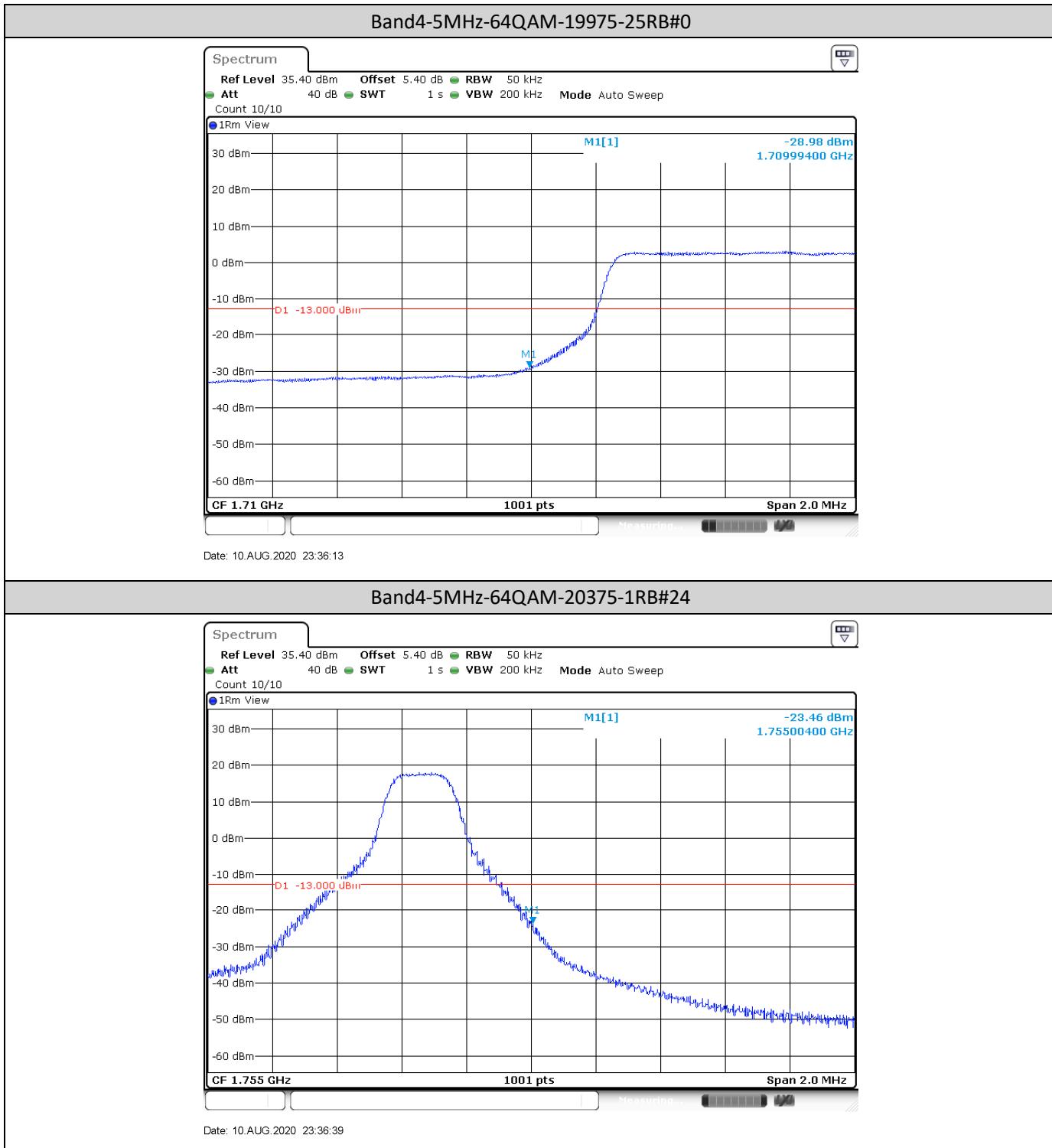


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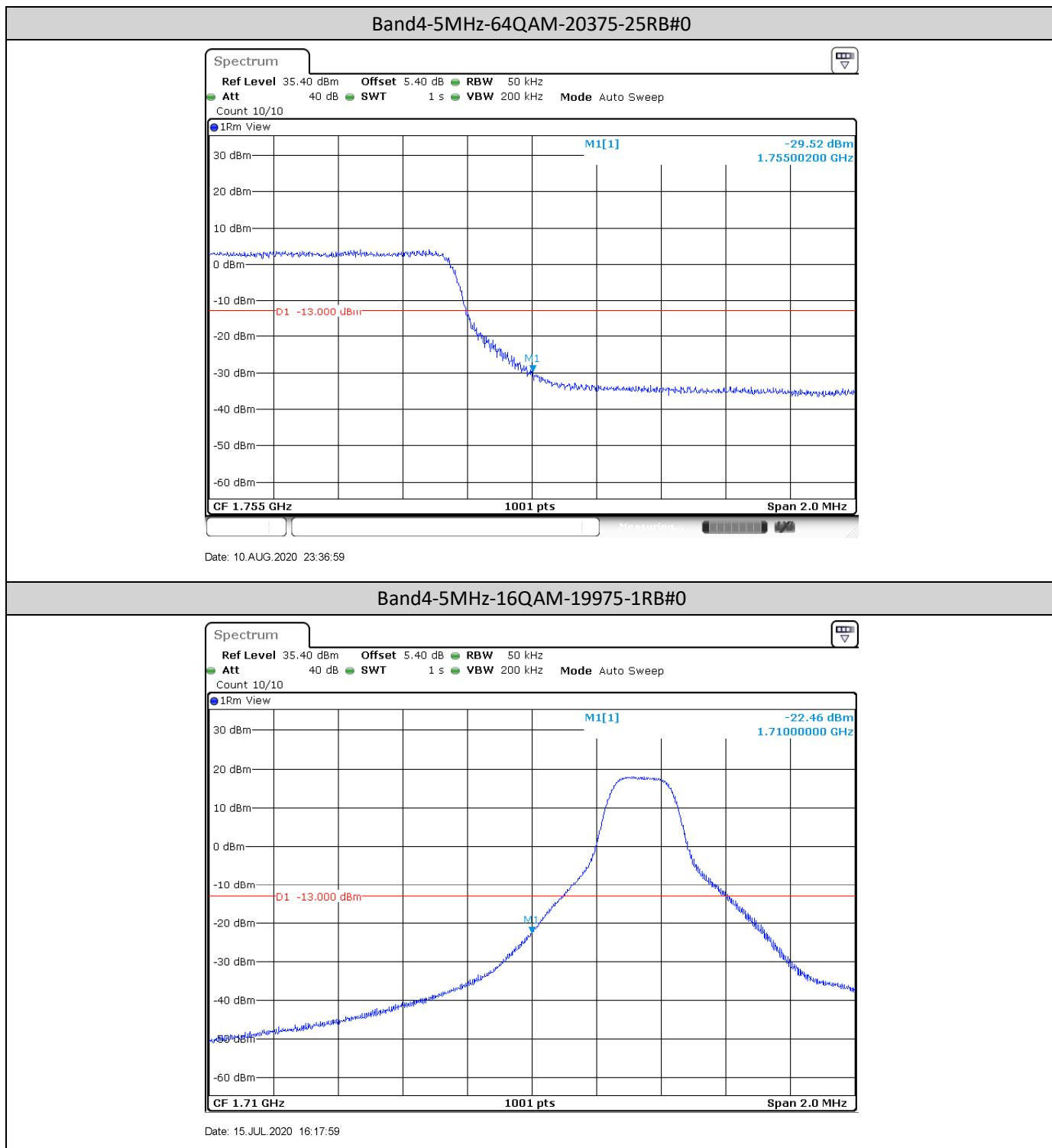


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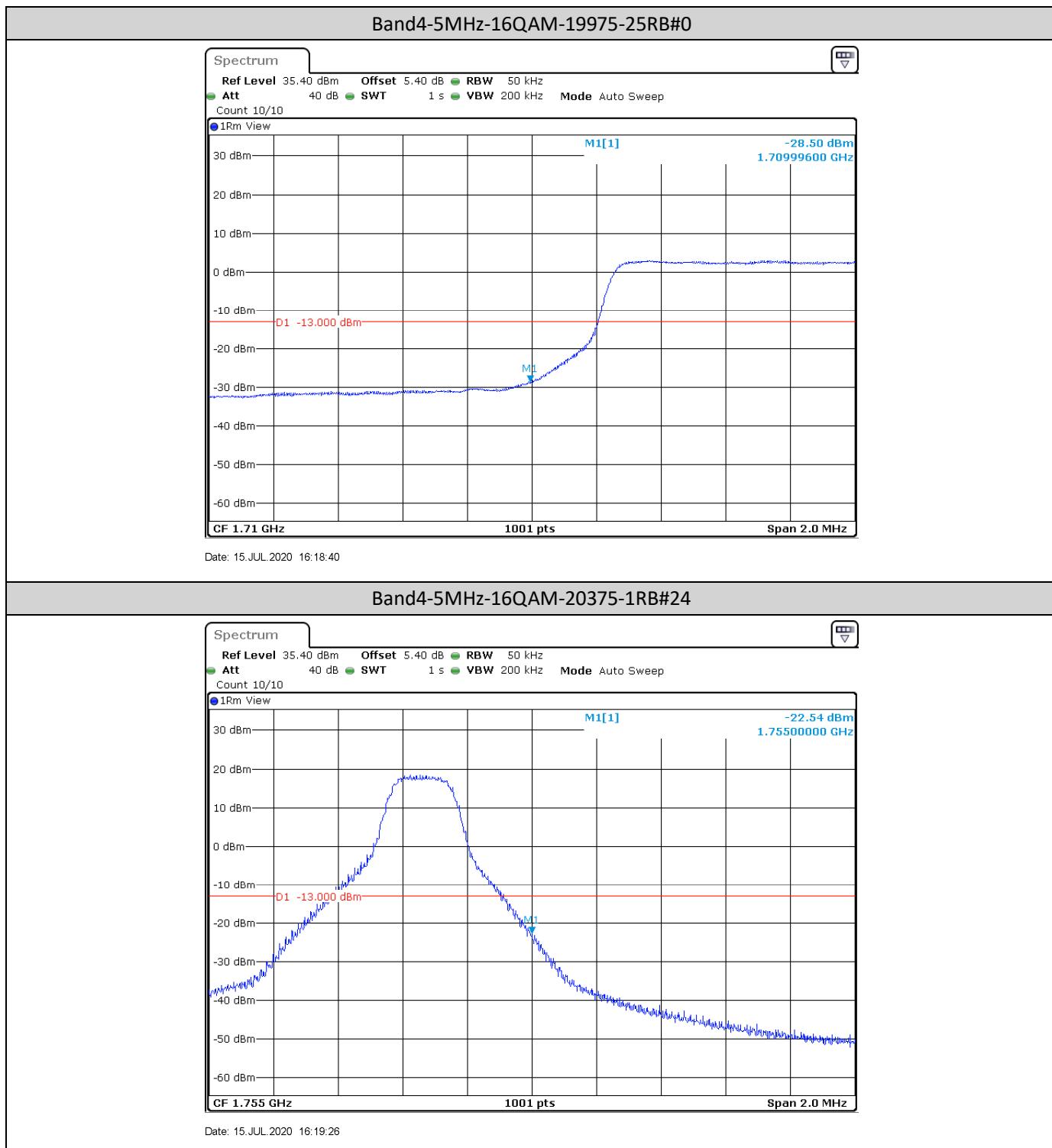


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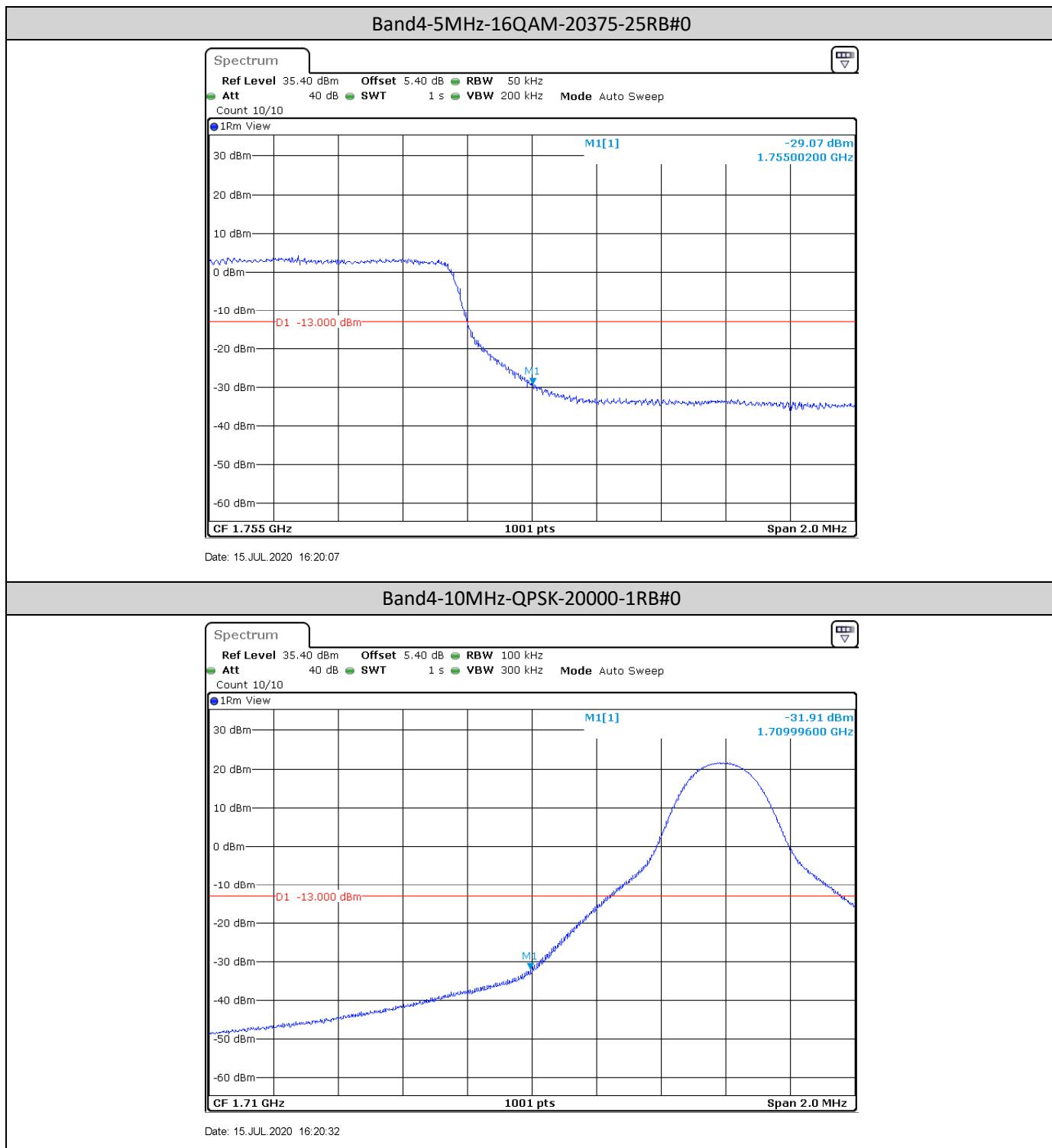


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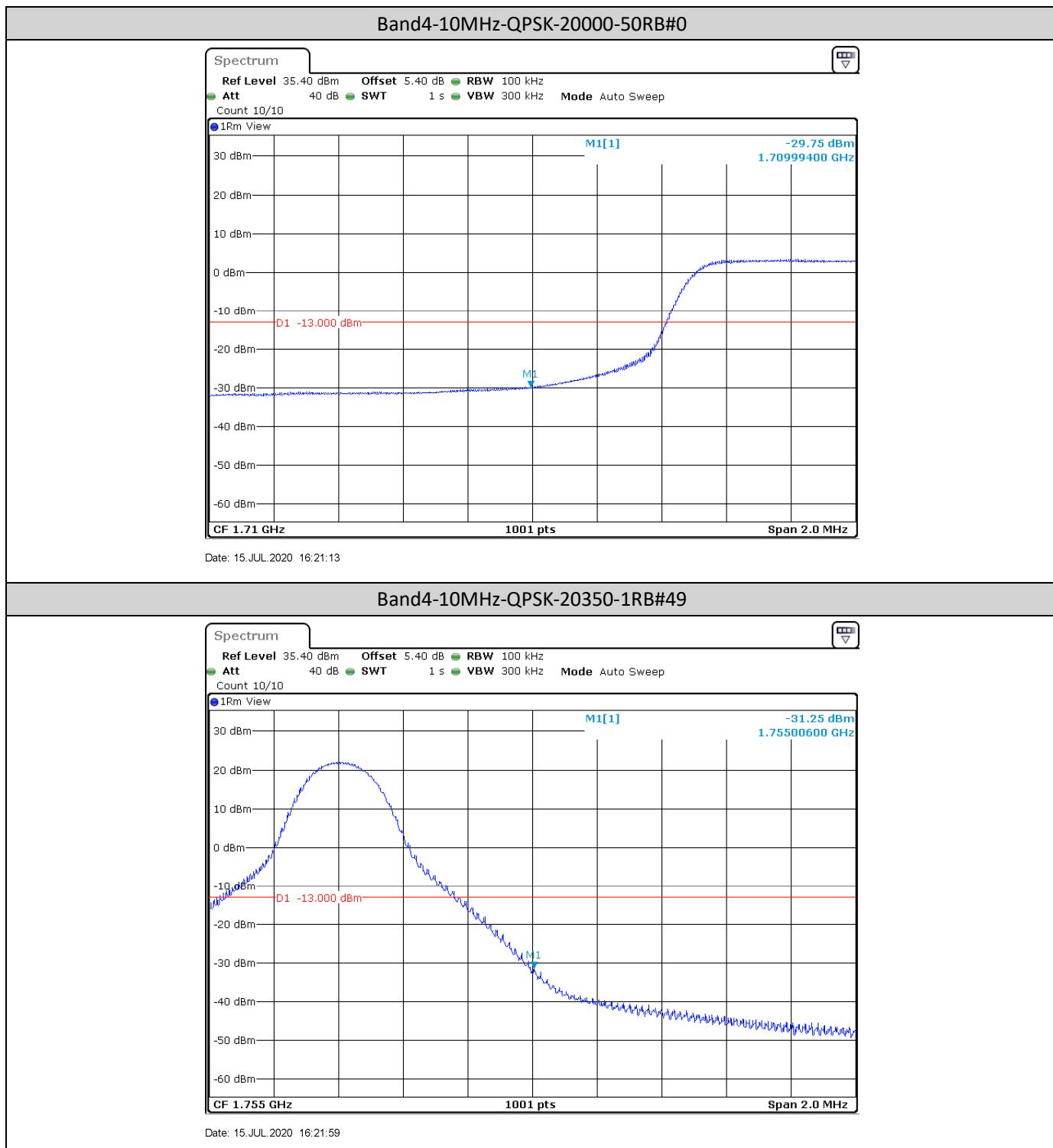


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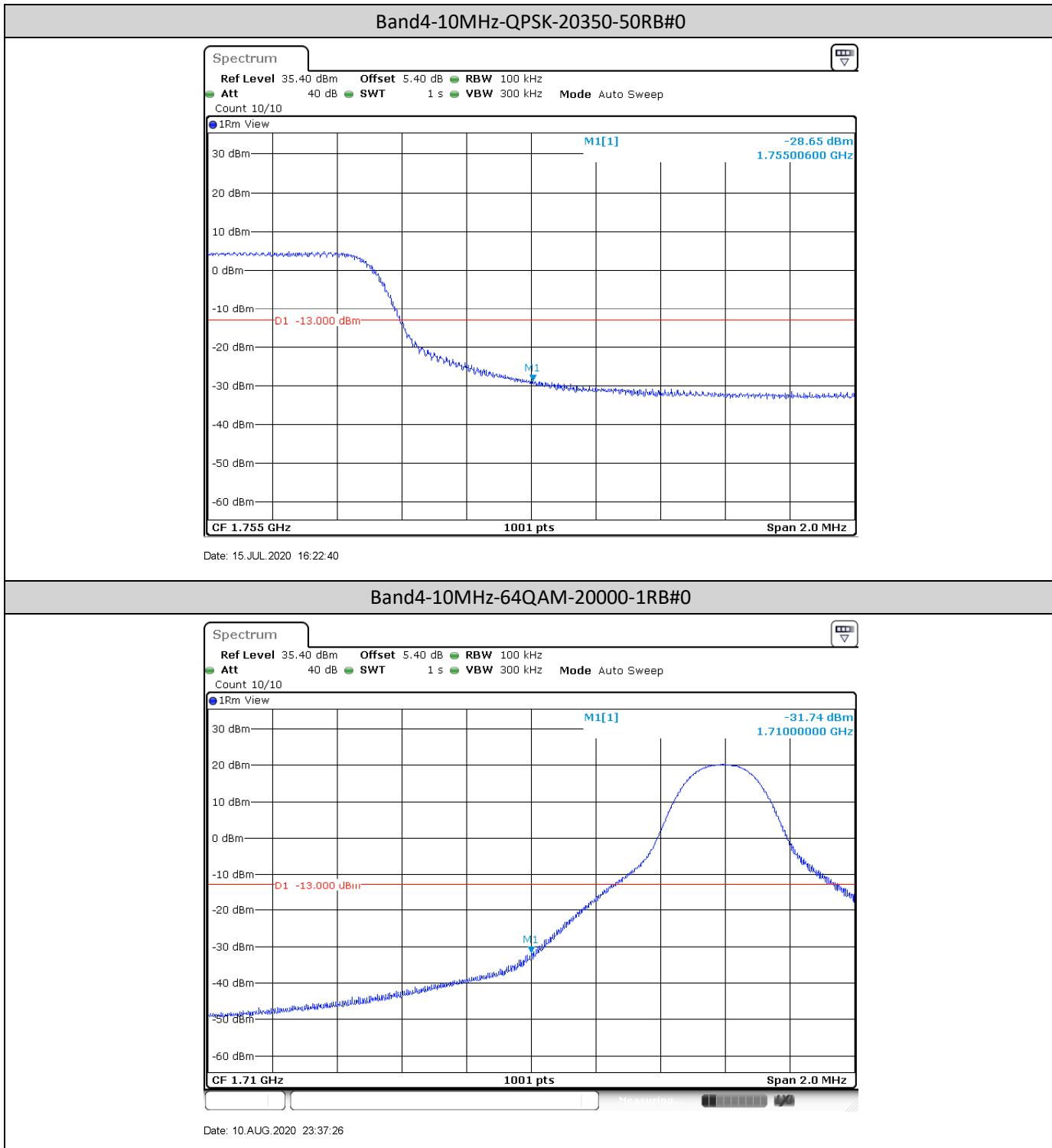


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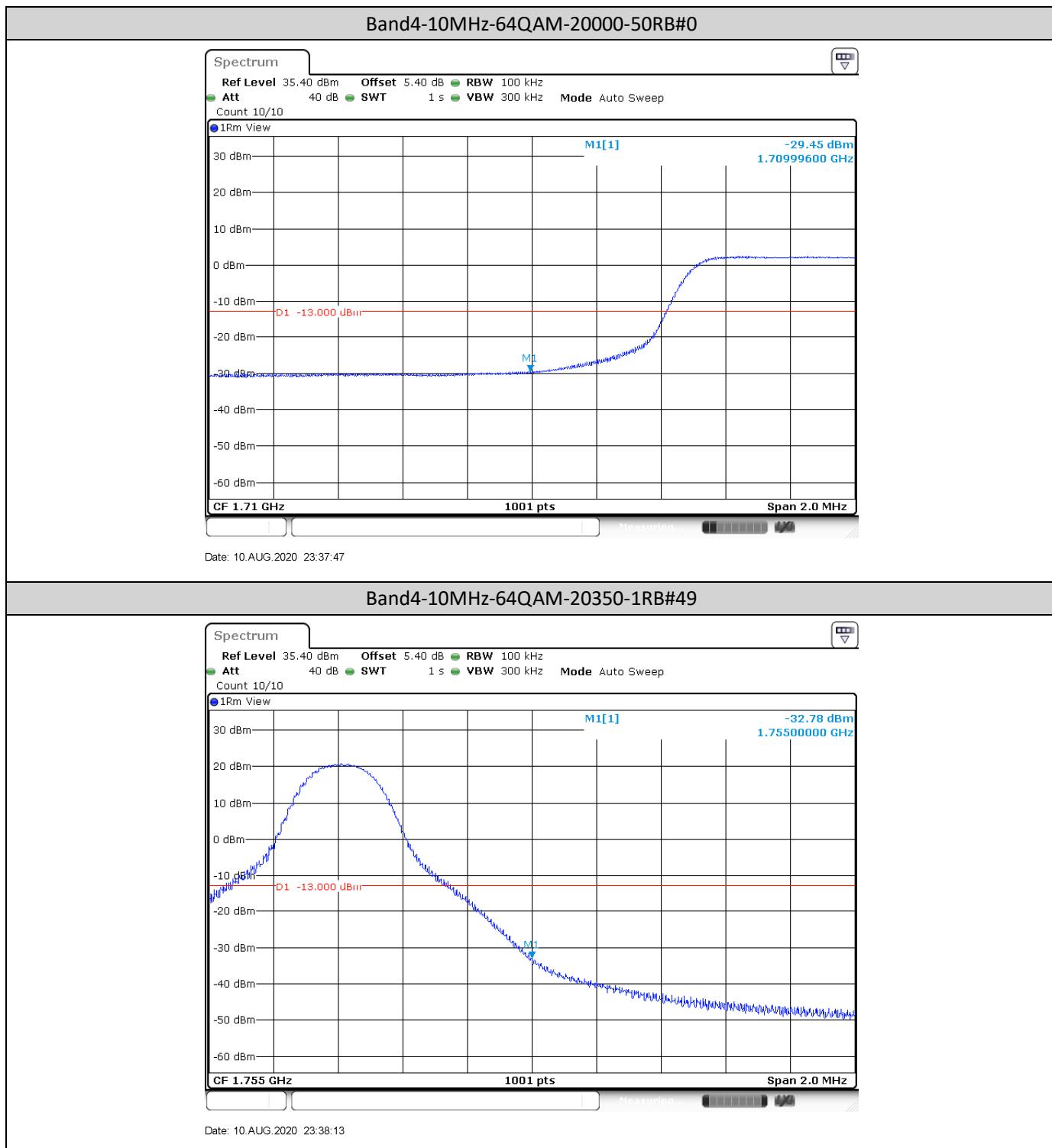


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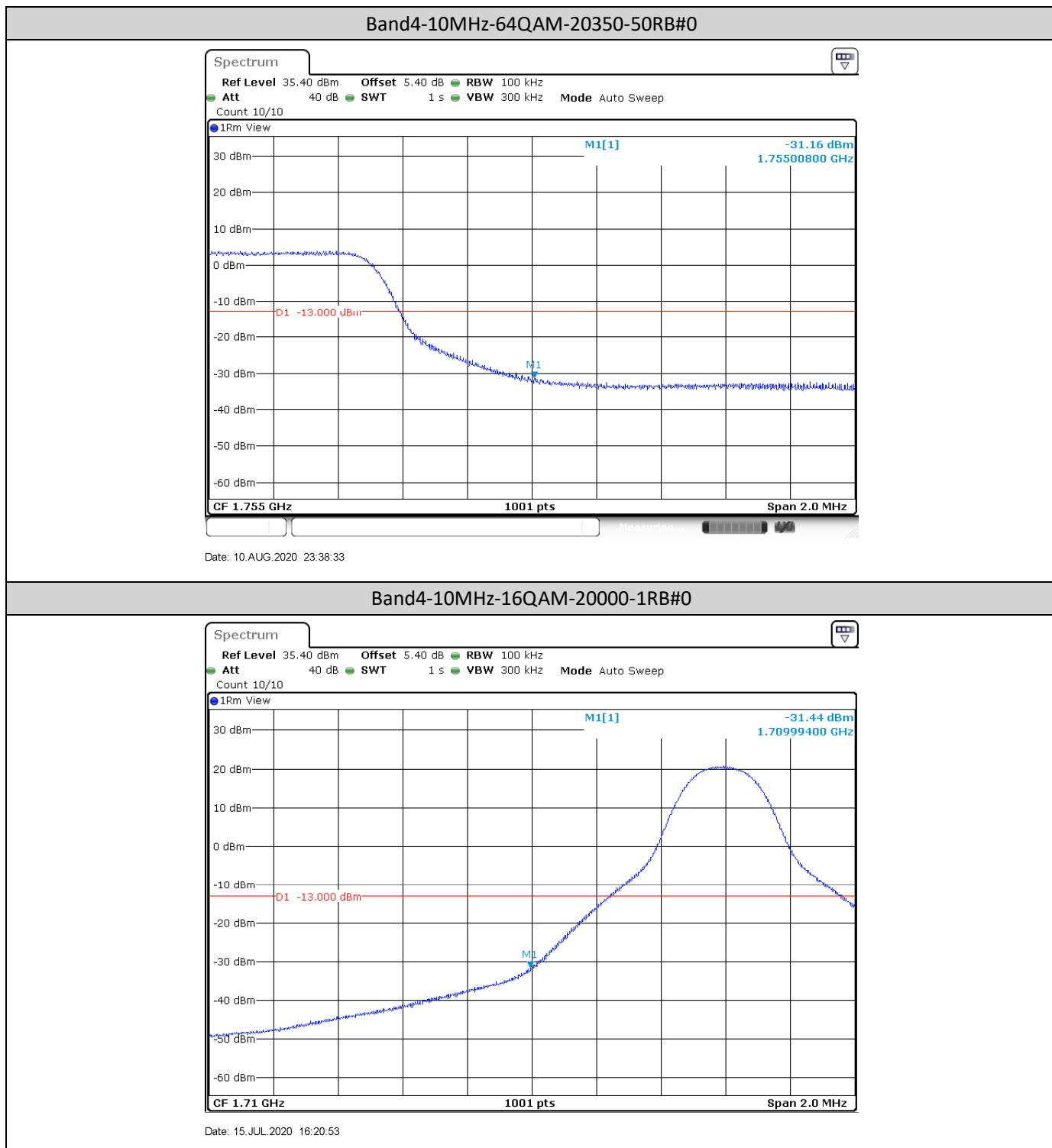


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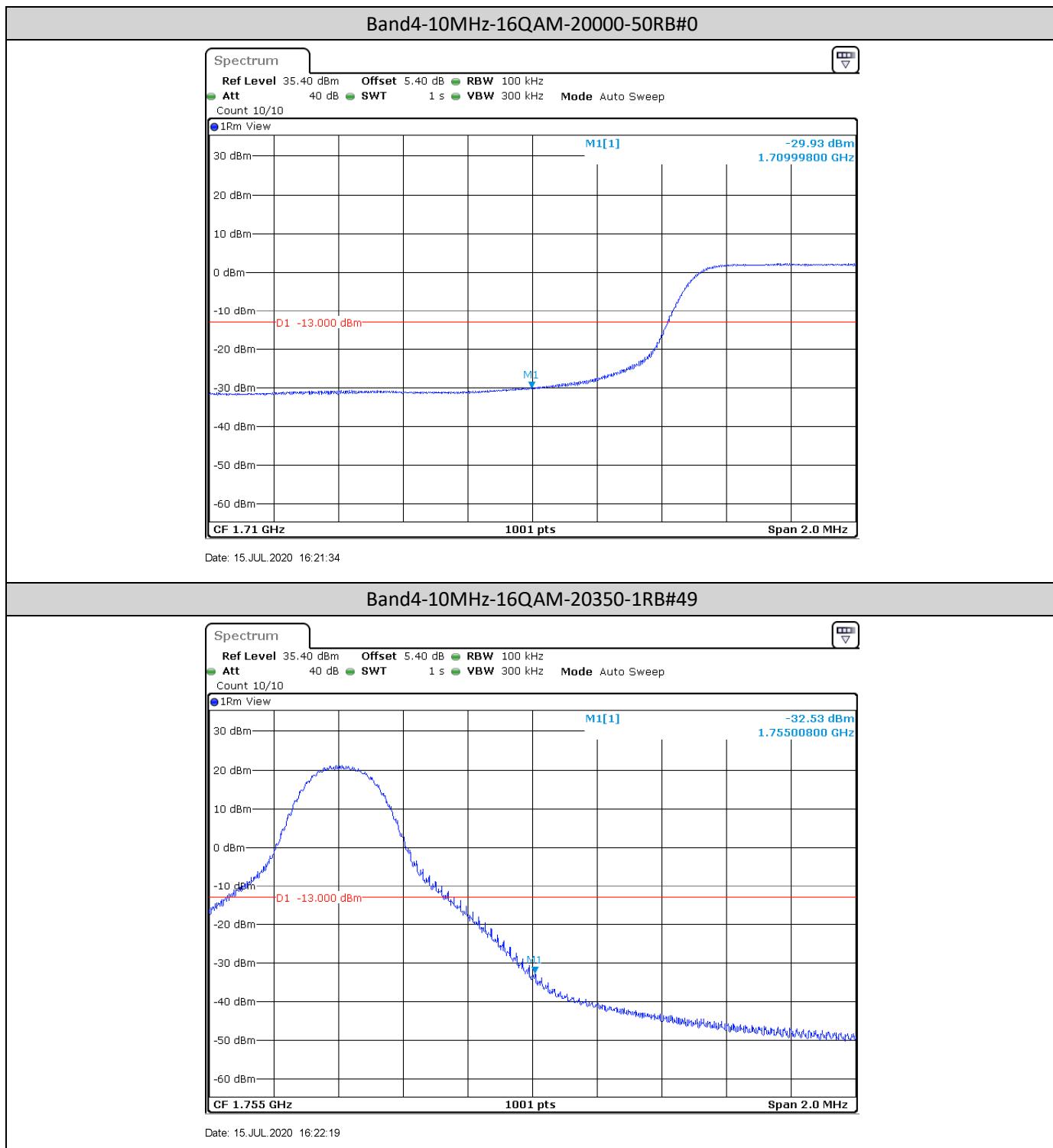


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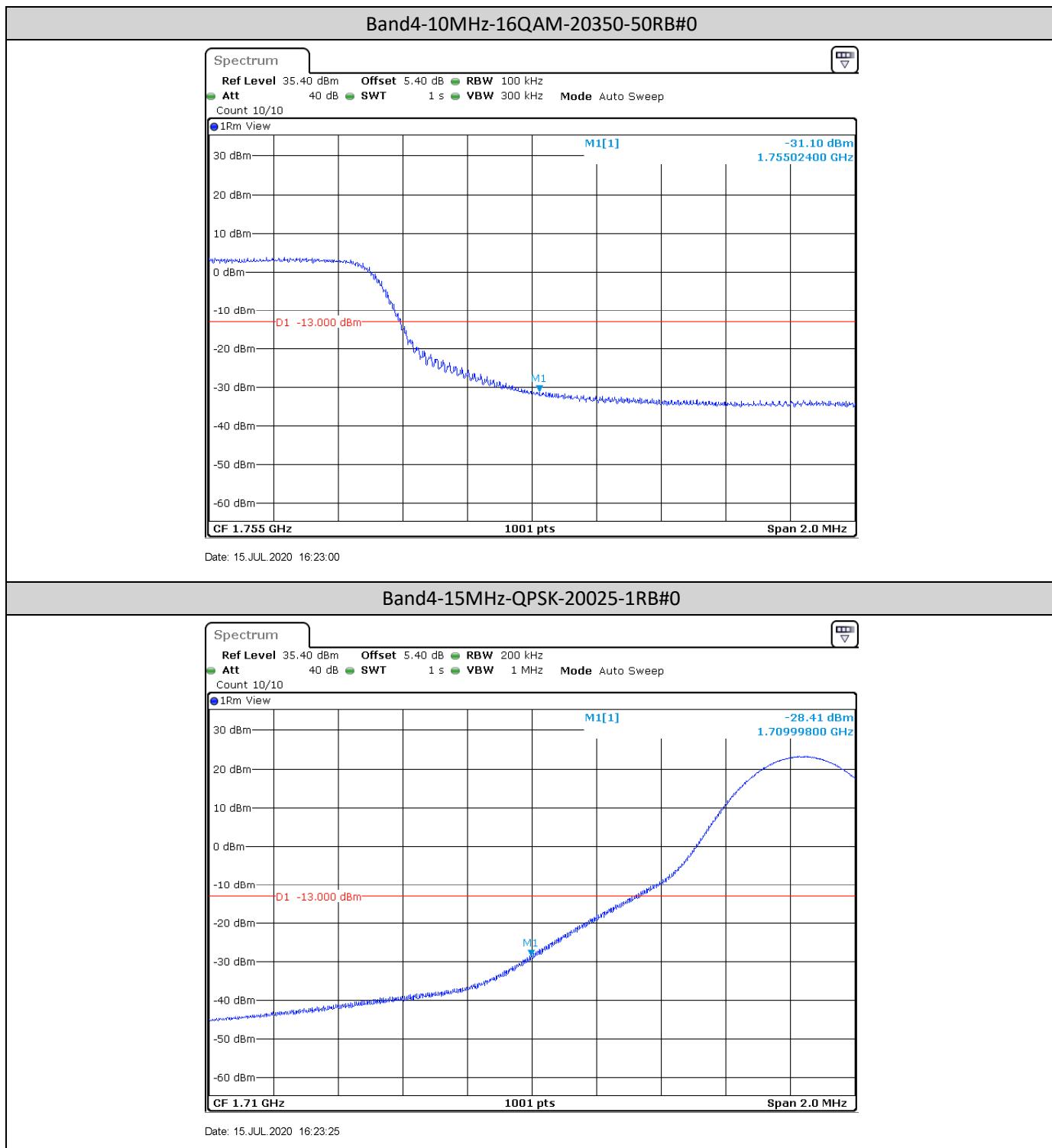


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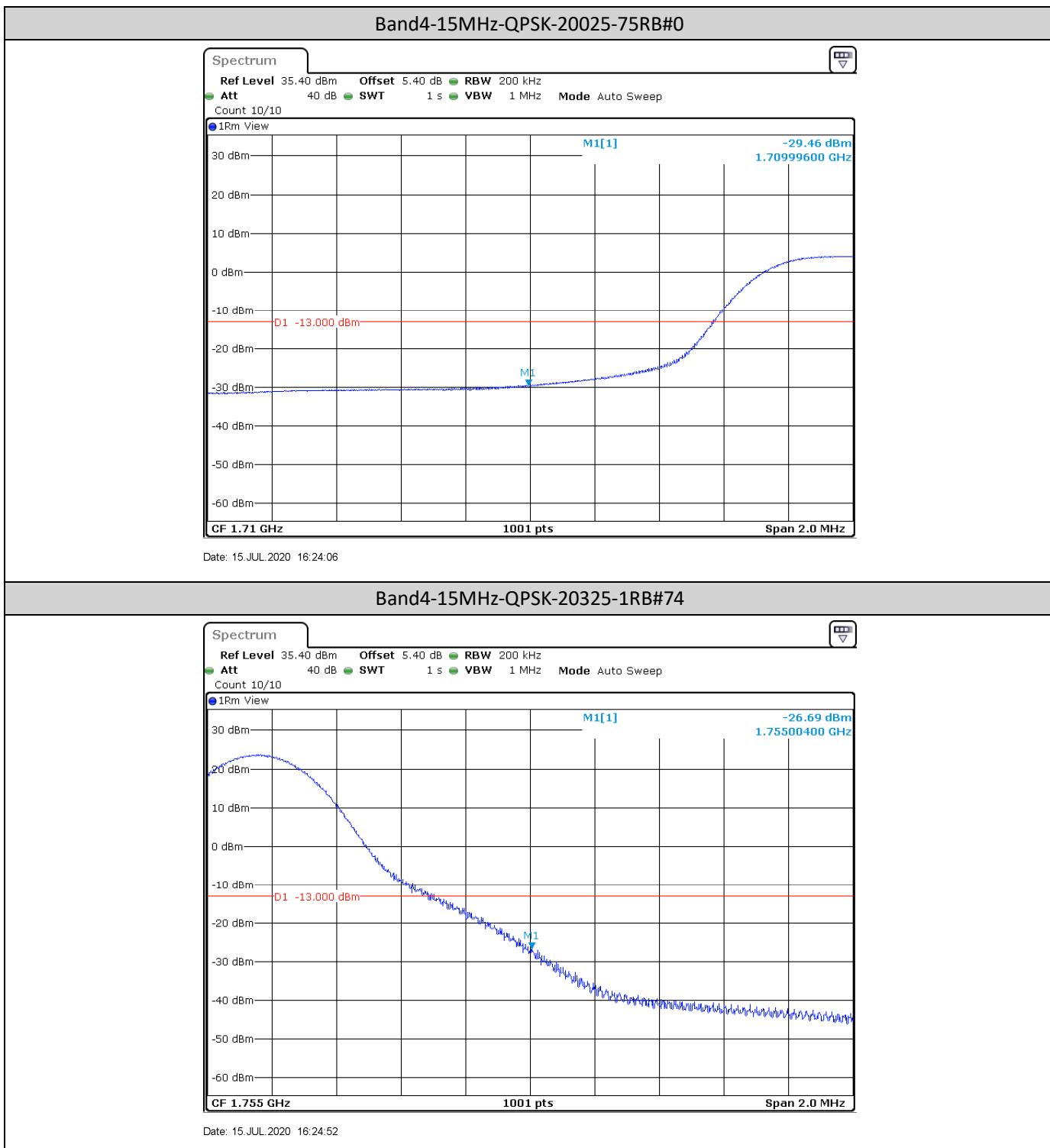


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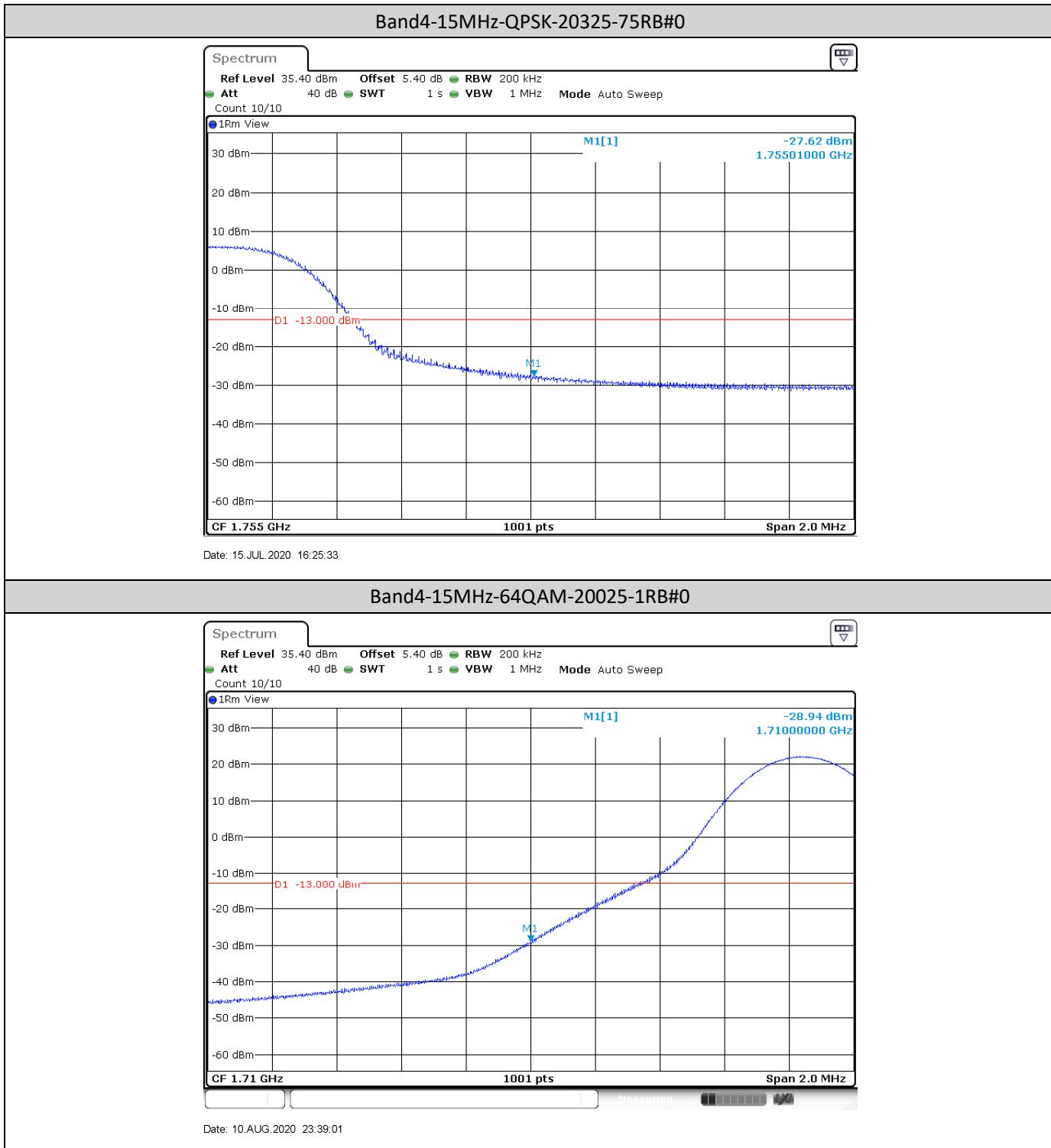


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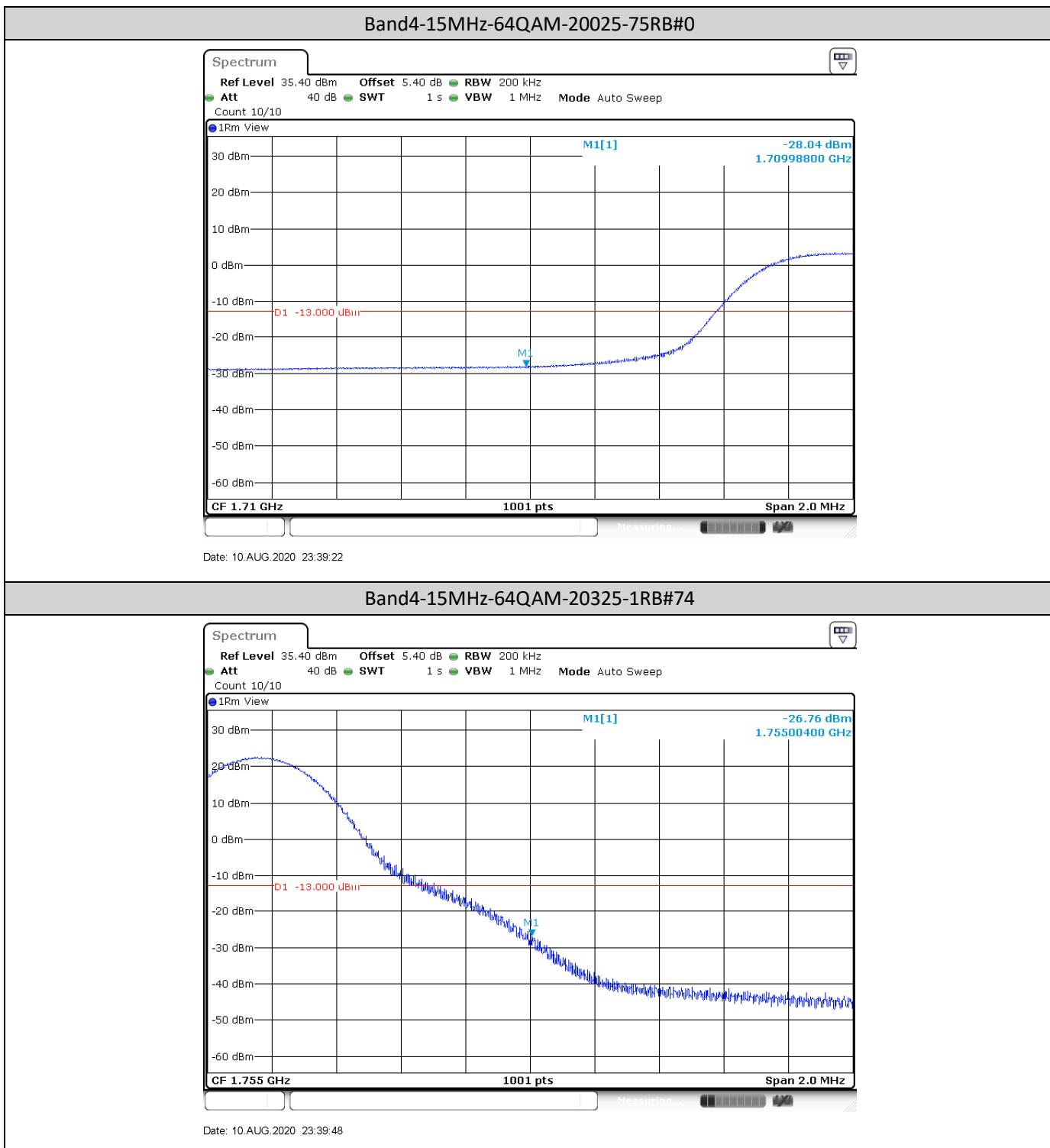


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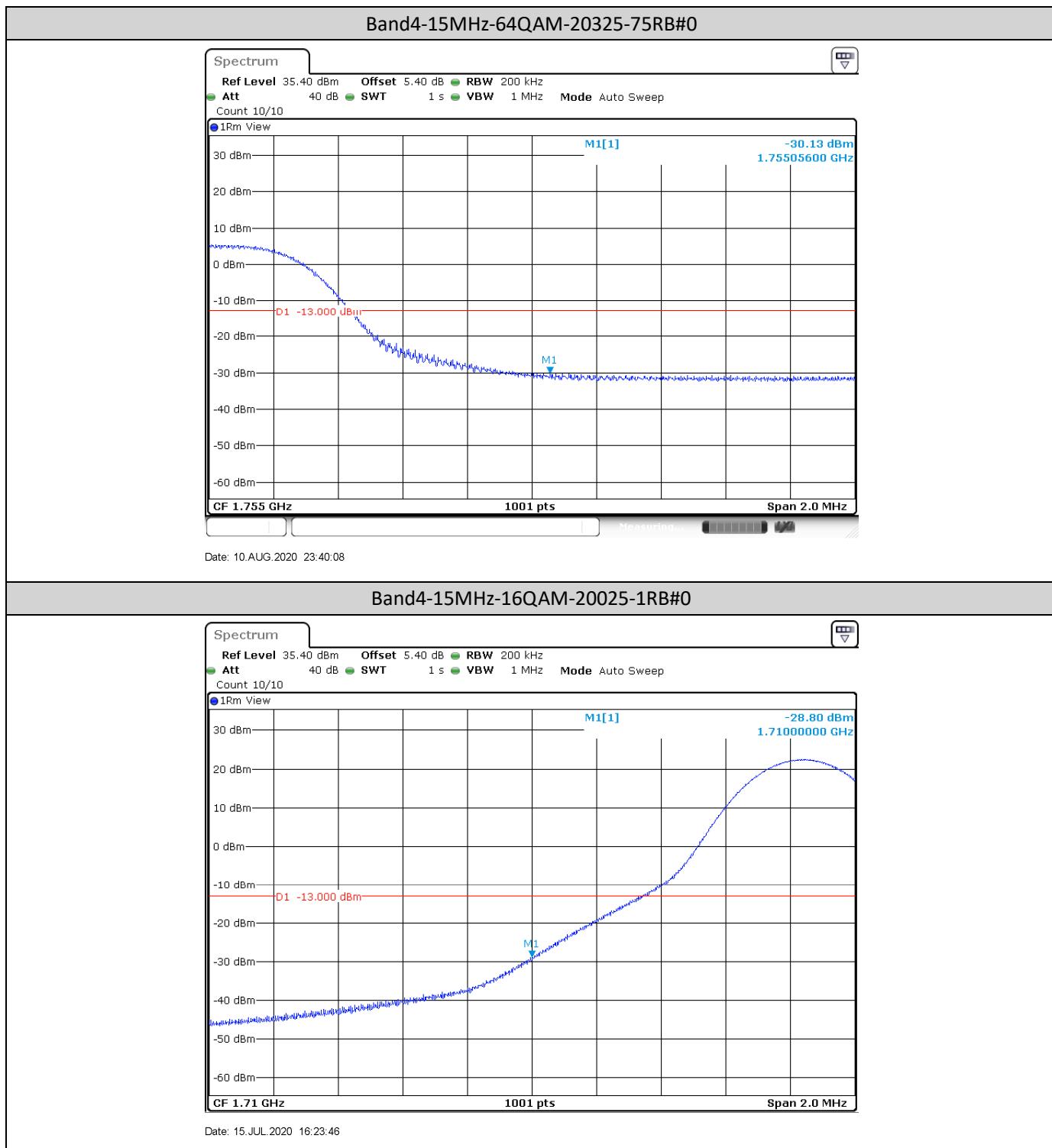


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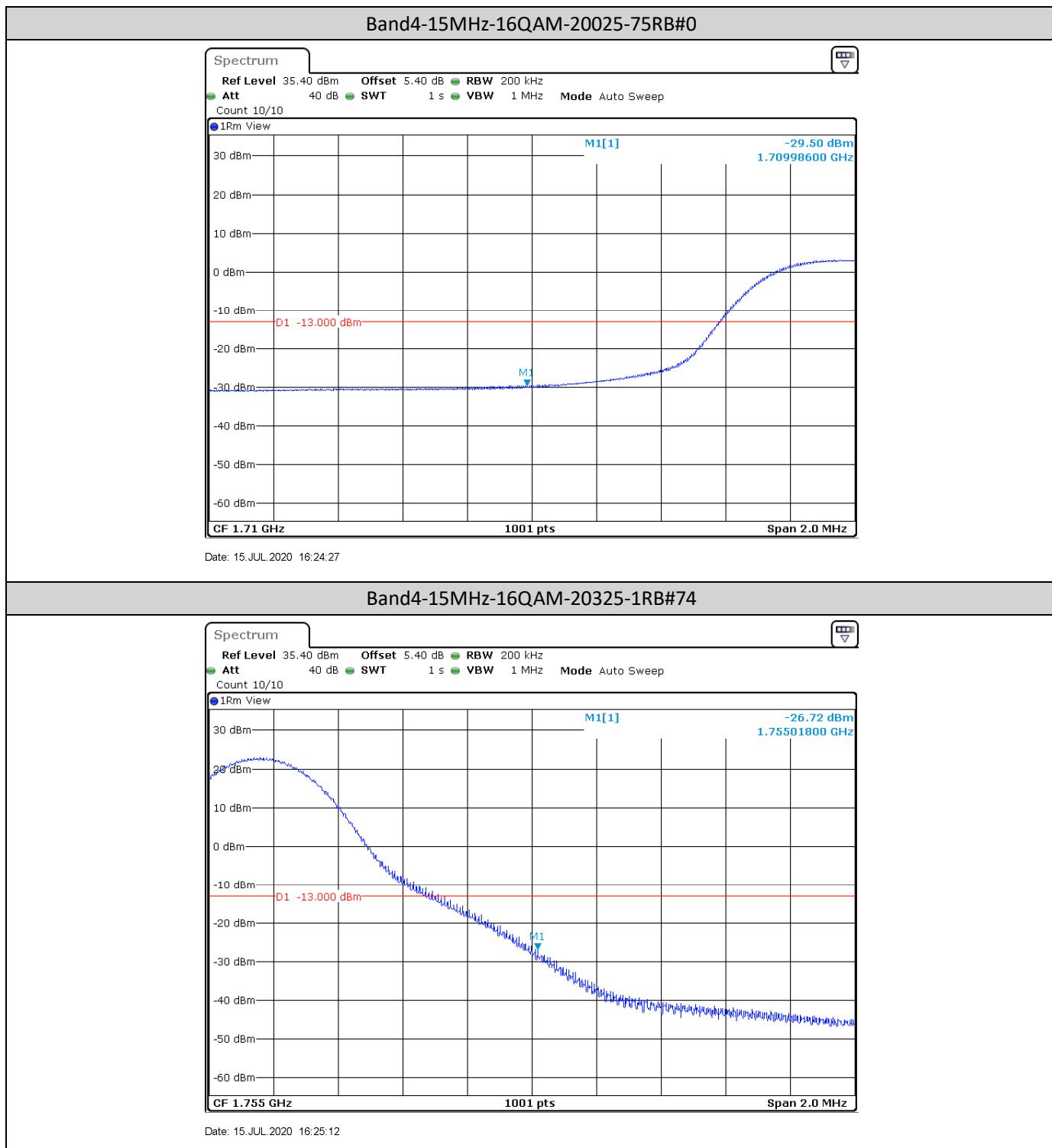


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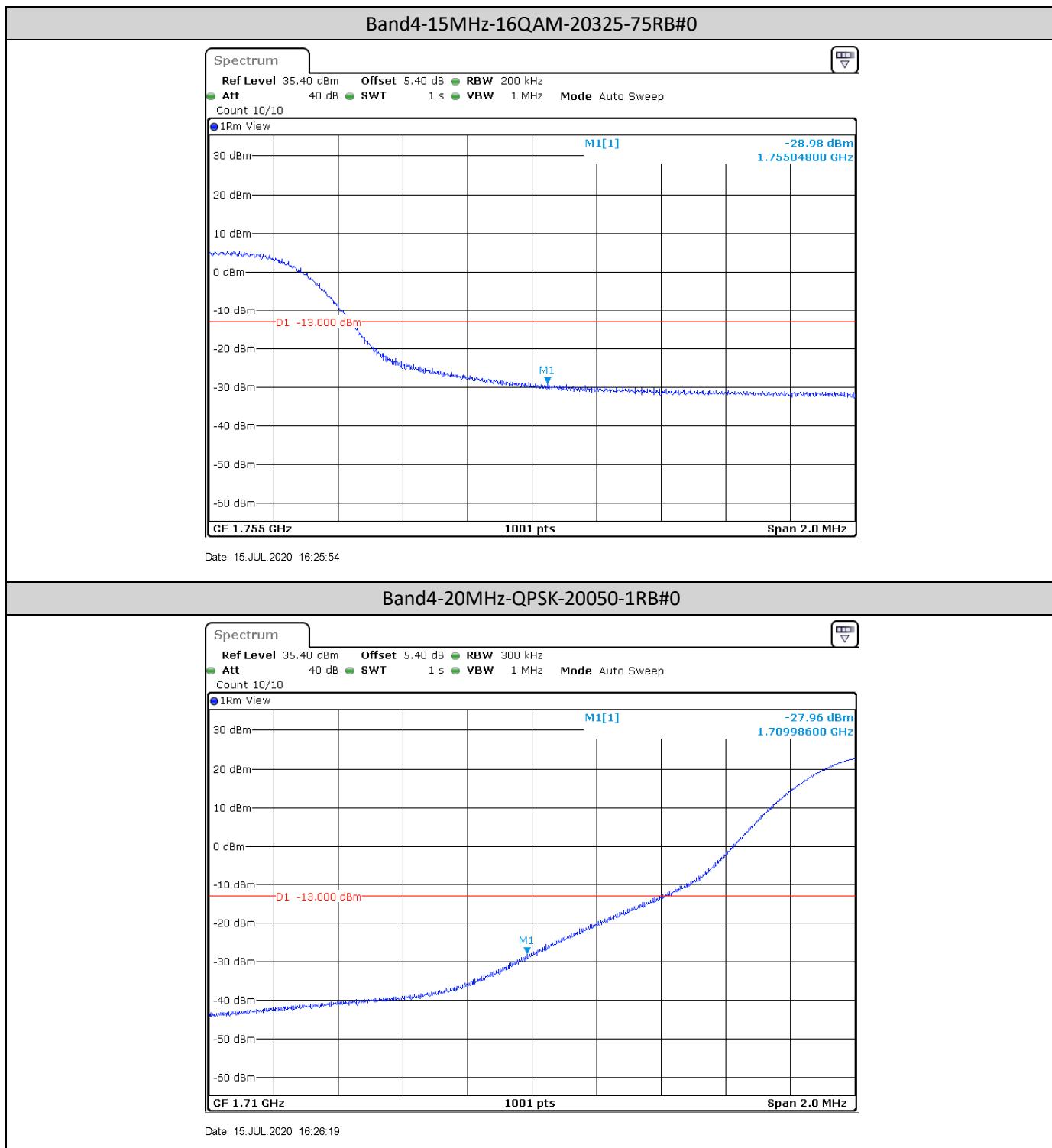


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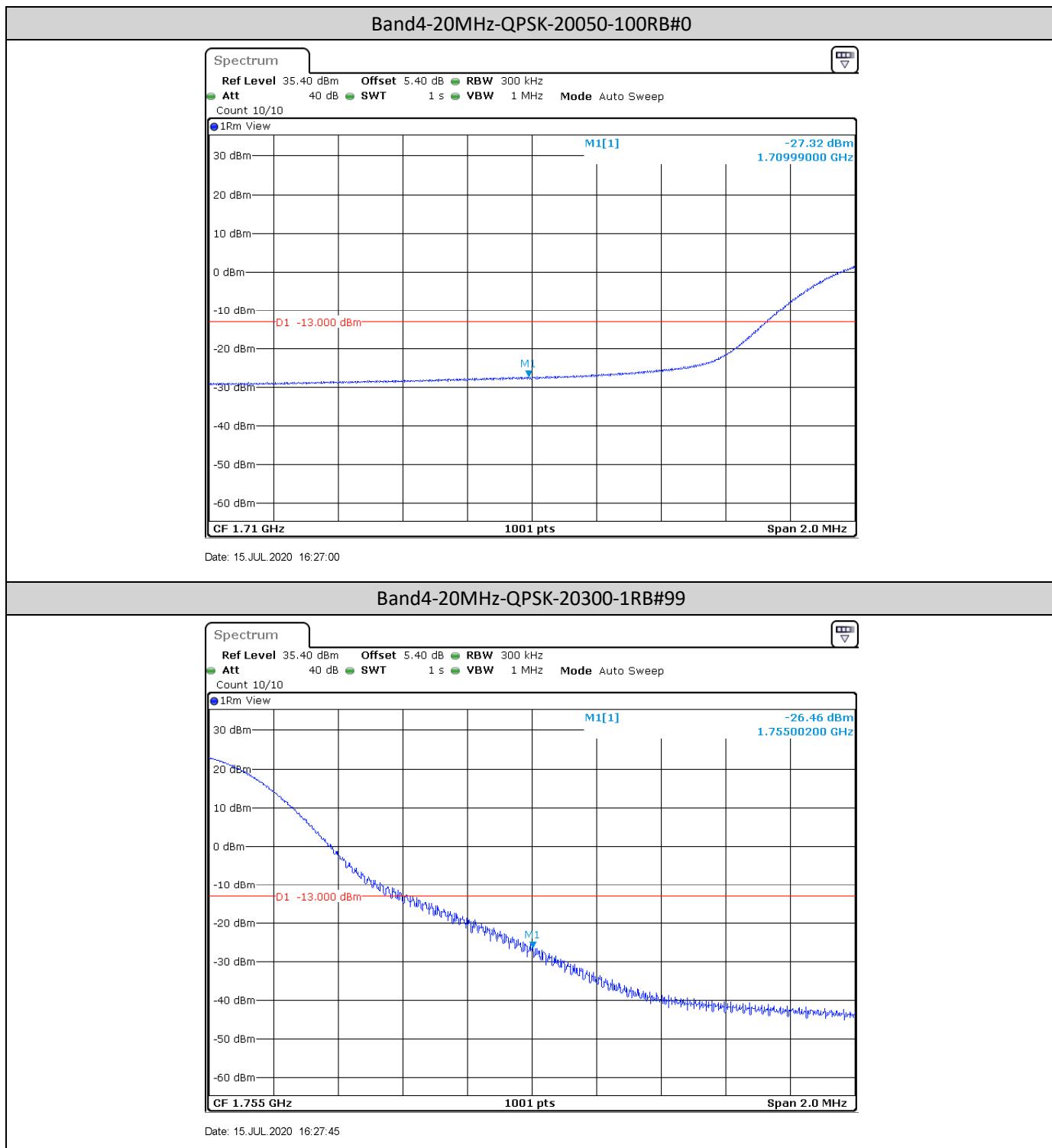


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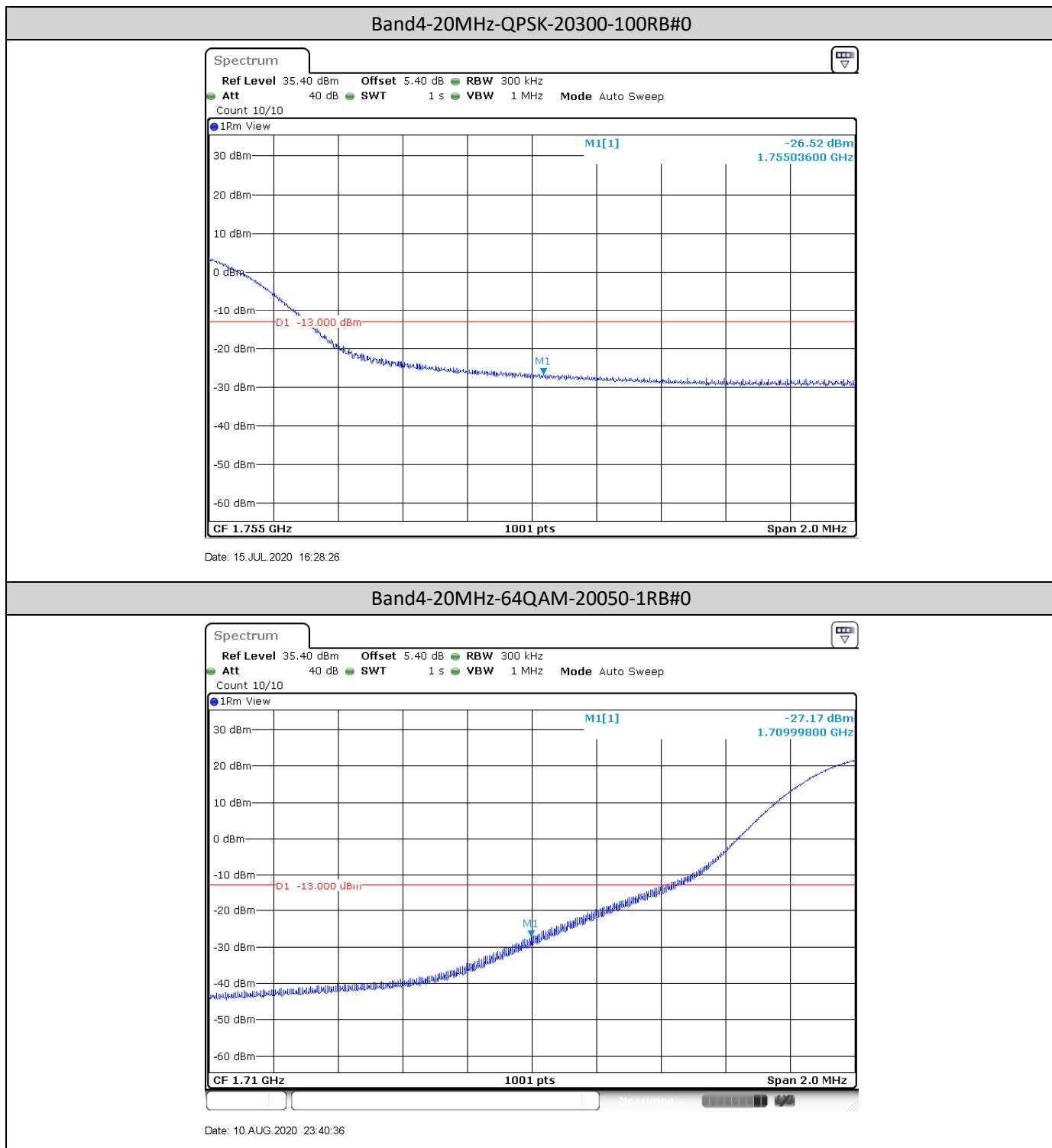


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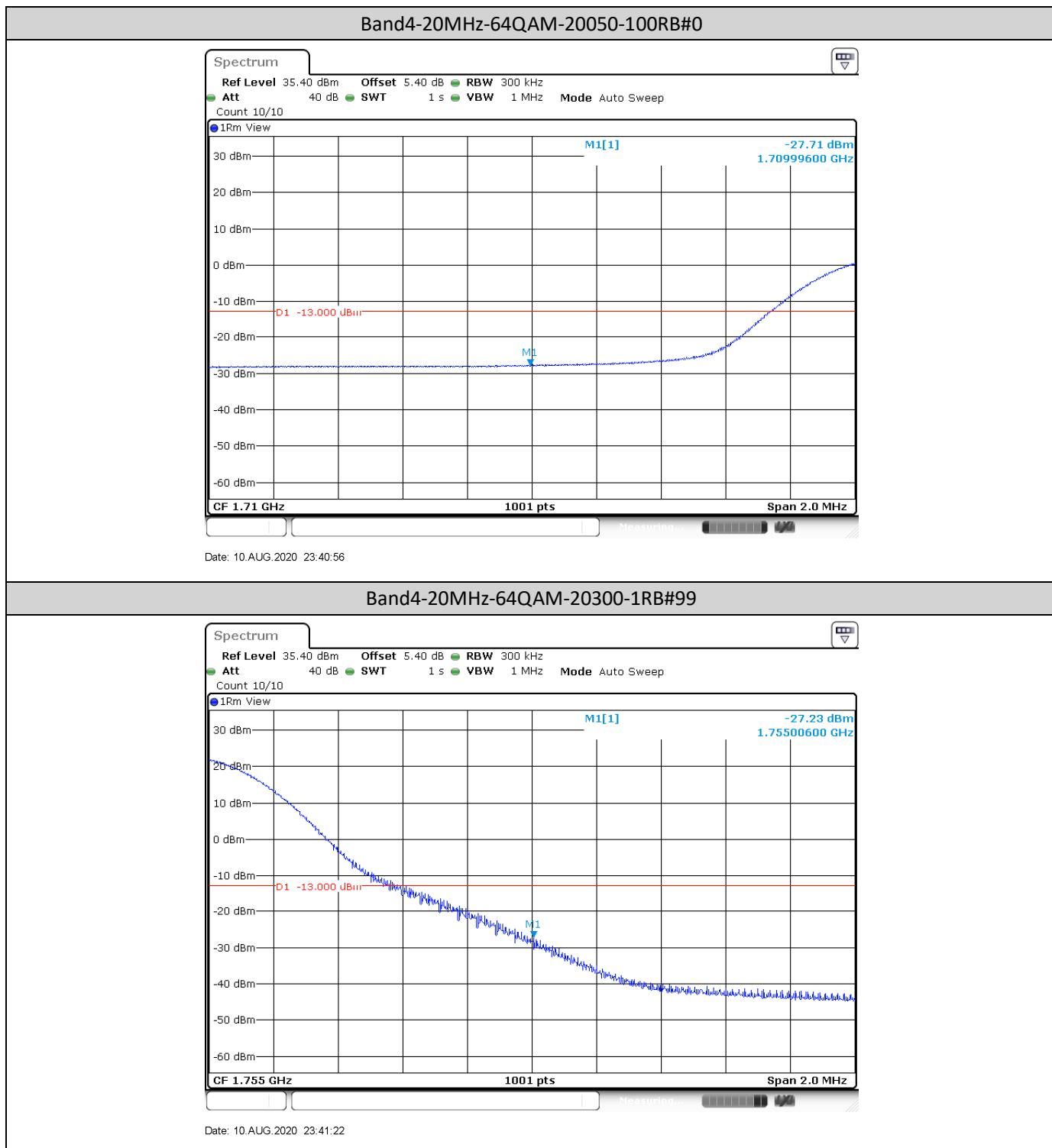


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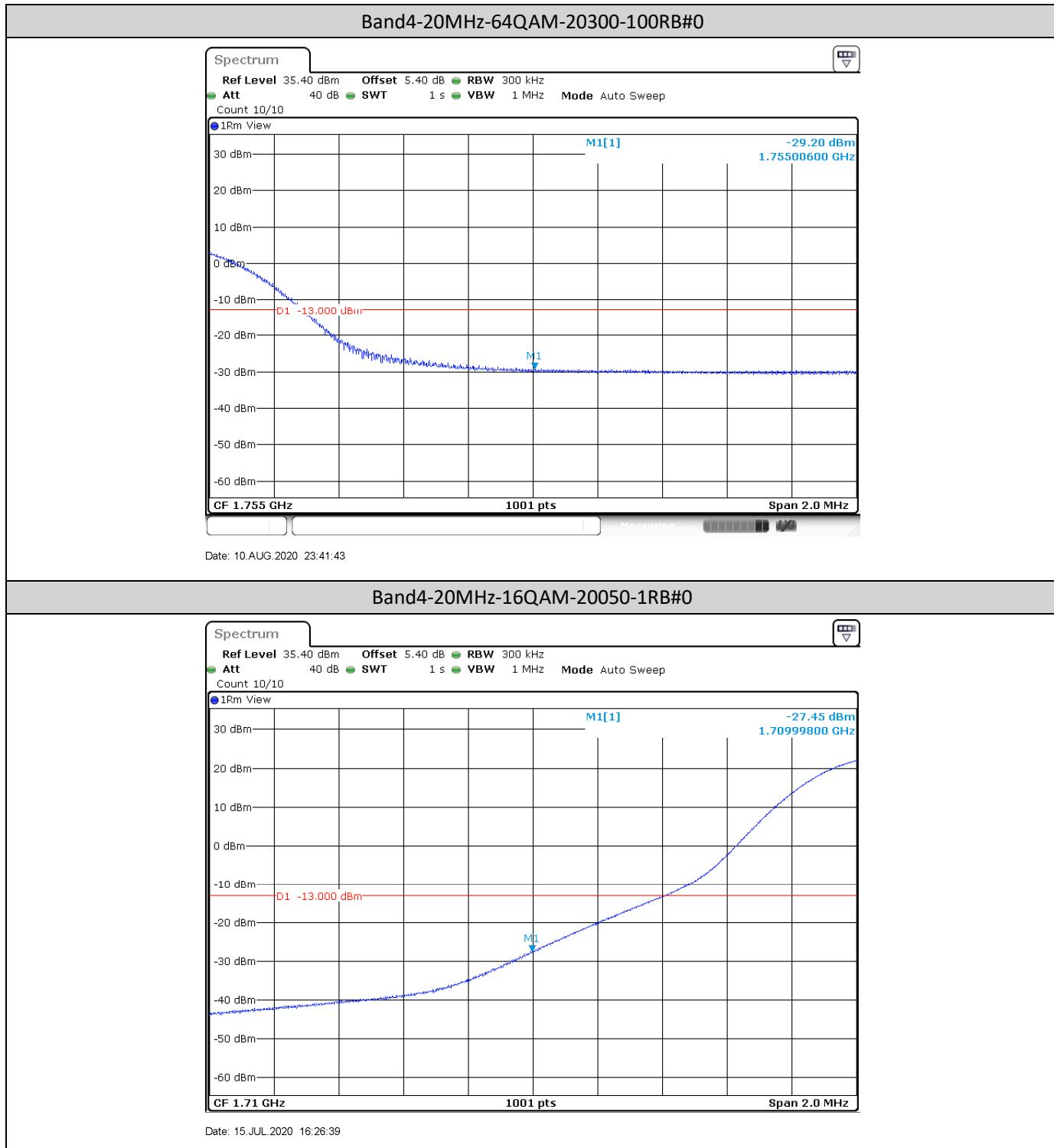


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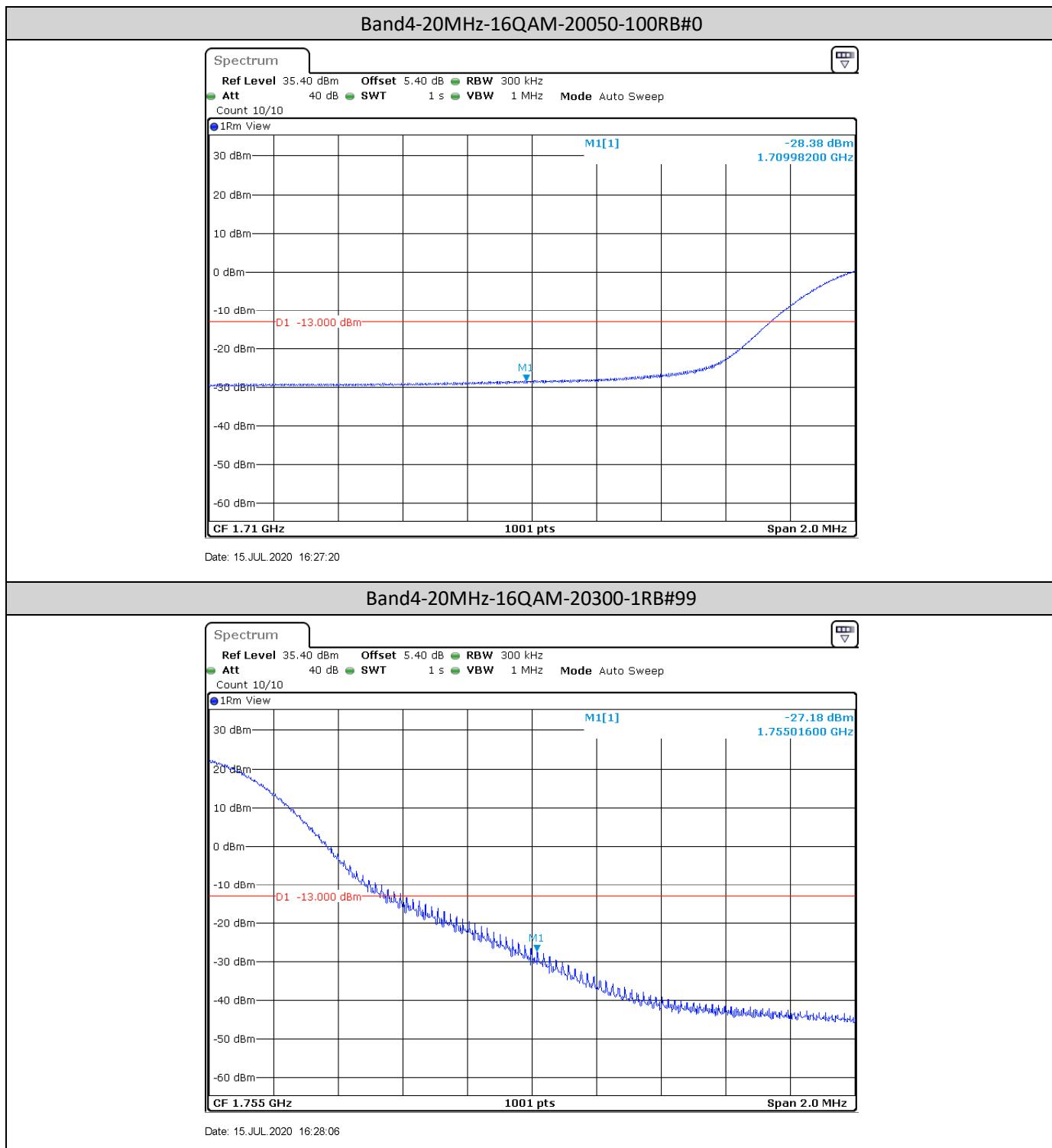


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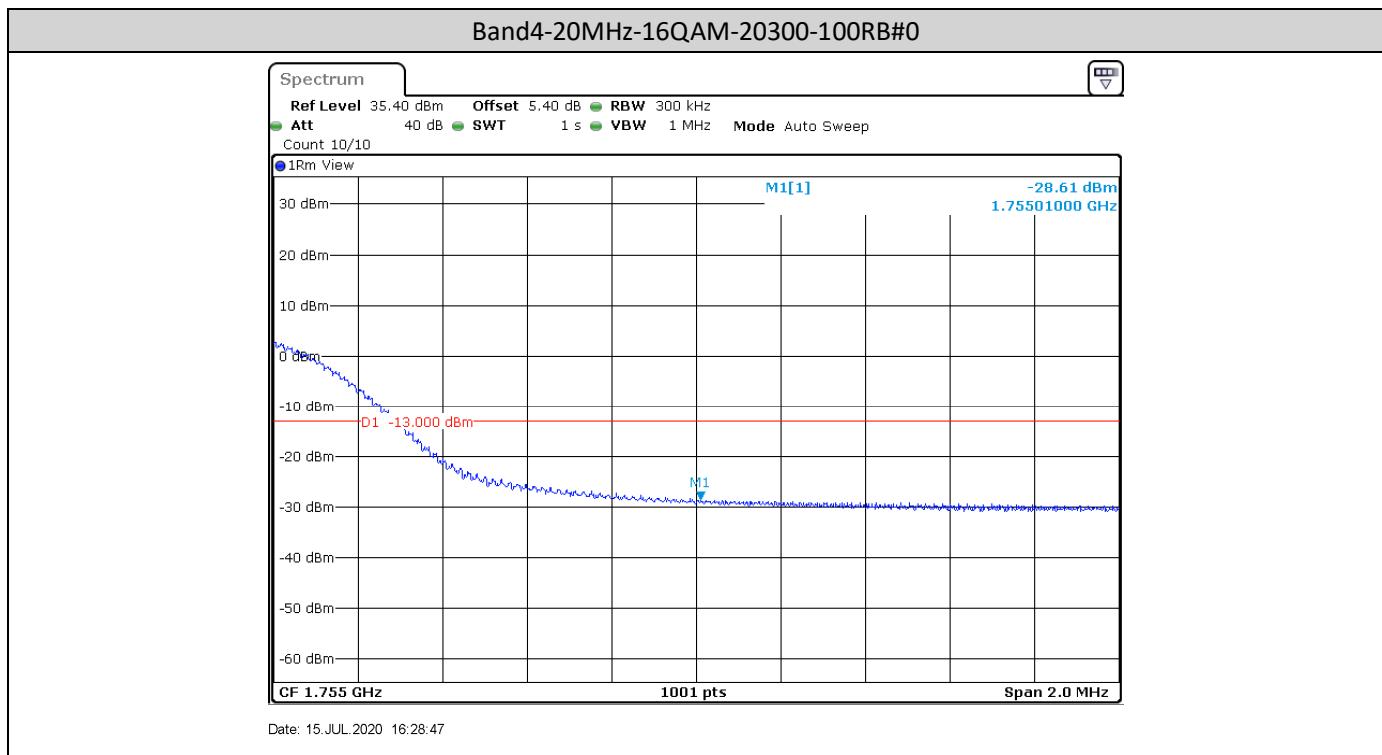


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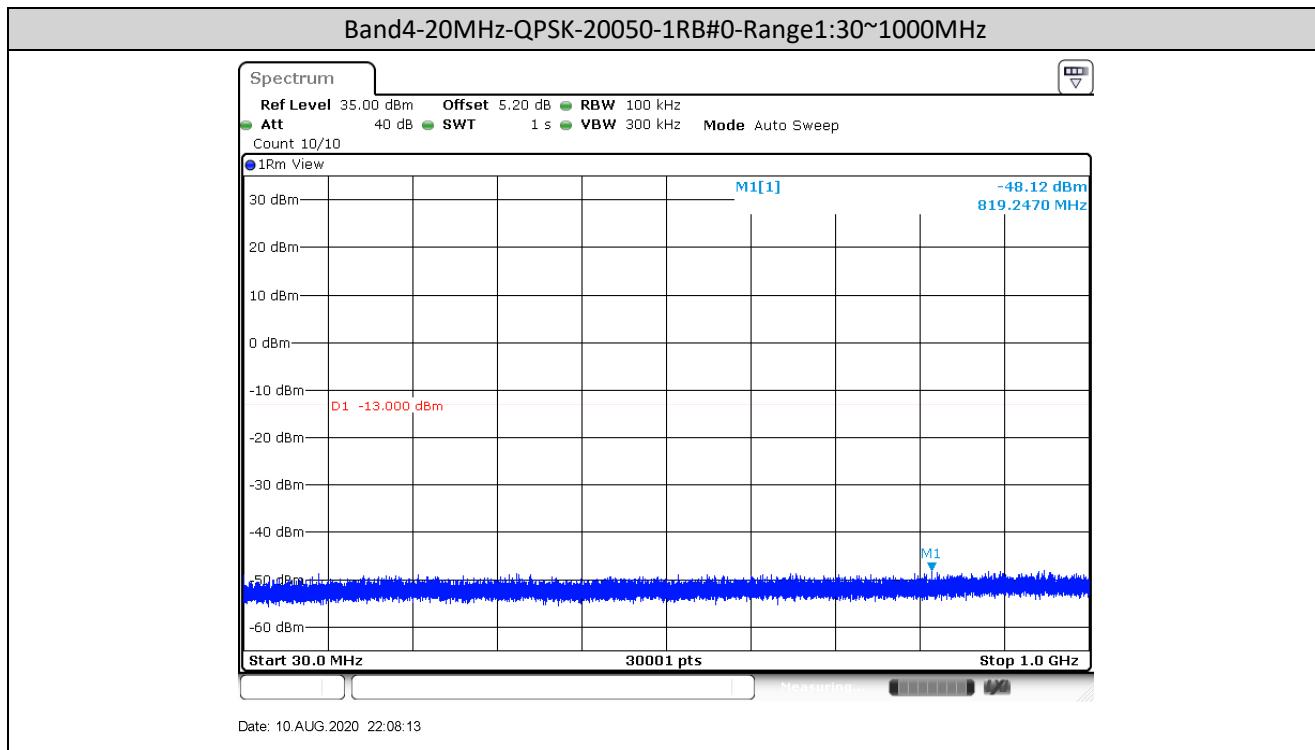
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## 6. Spurious Emission at Antenna Terminal

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  $< \text{RBW}/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / \text{RBW})$ " 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



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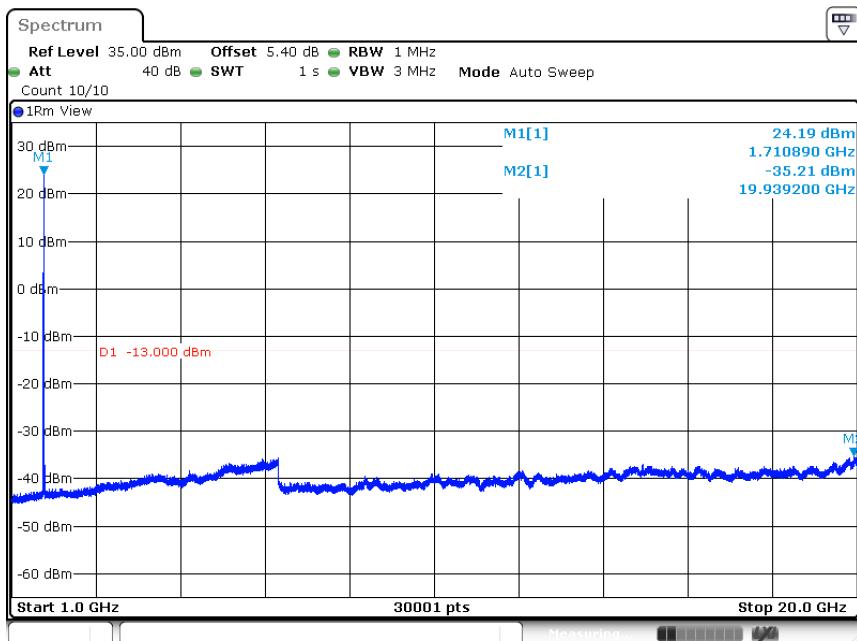
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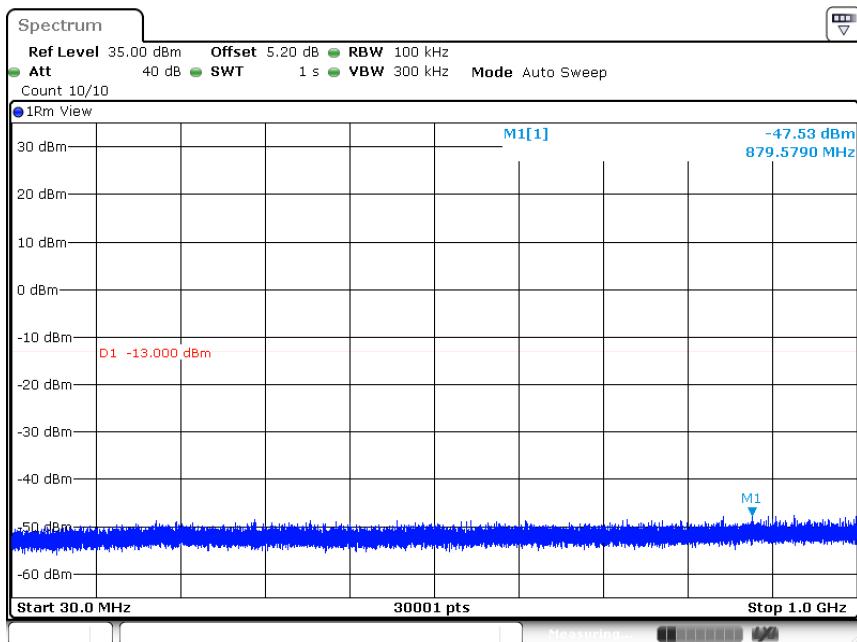
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## Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 22:08:29

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



Date: 10.AUG.2020 22:09:23

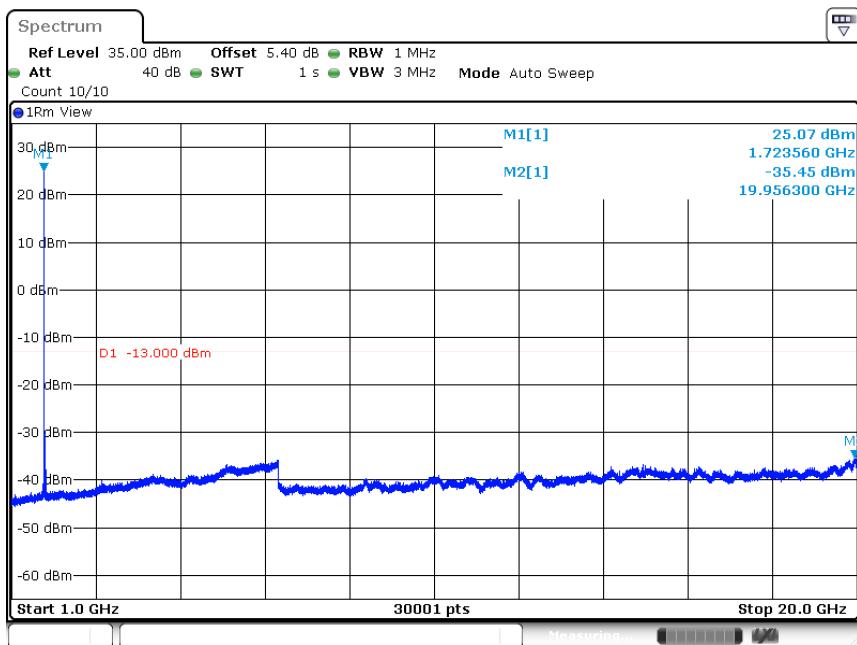
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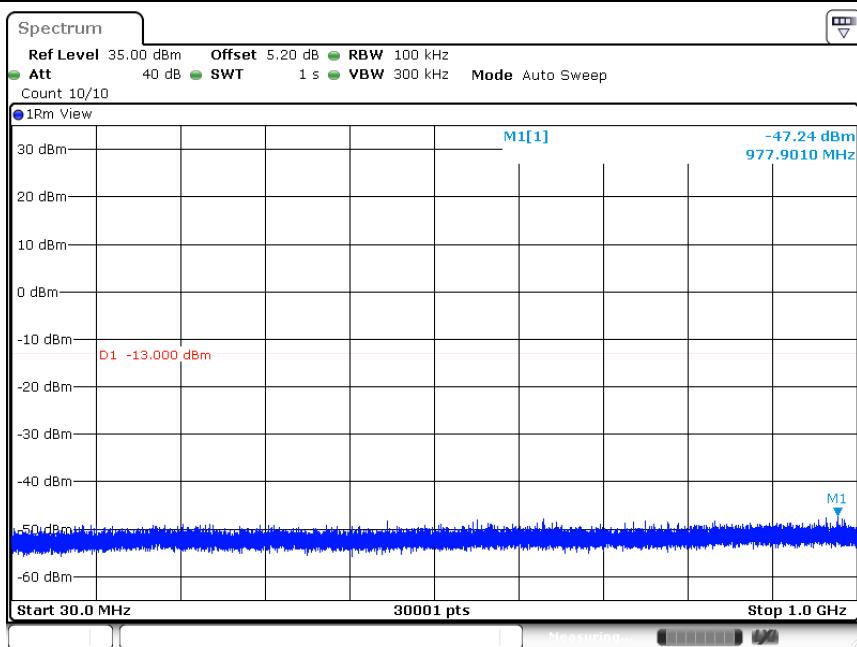
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## Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 22:09:40

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



Date: 10.AUG.2020 22:10:34

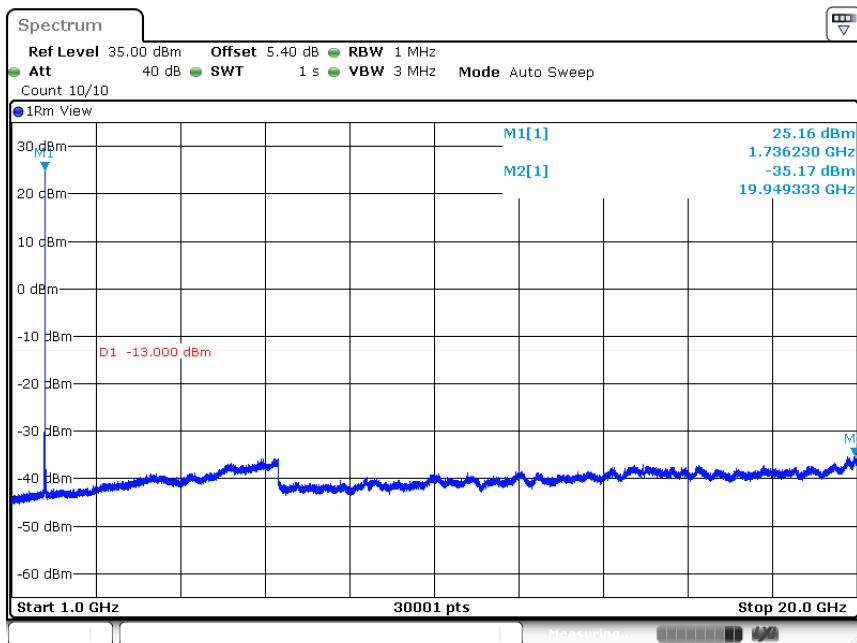
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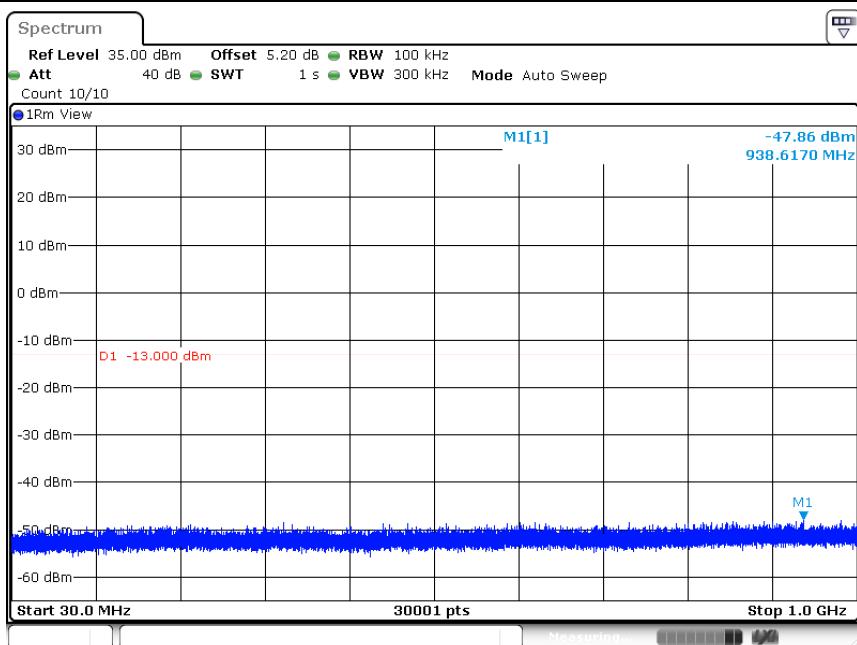
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## Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 22:10:50

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



Date: 10.AUG.2020 23:42:07

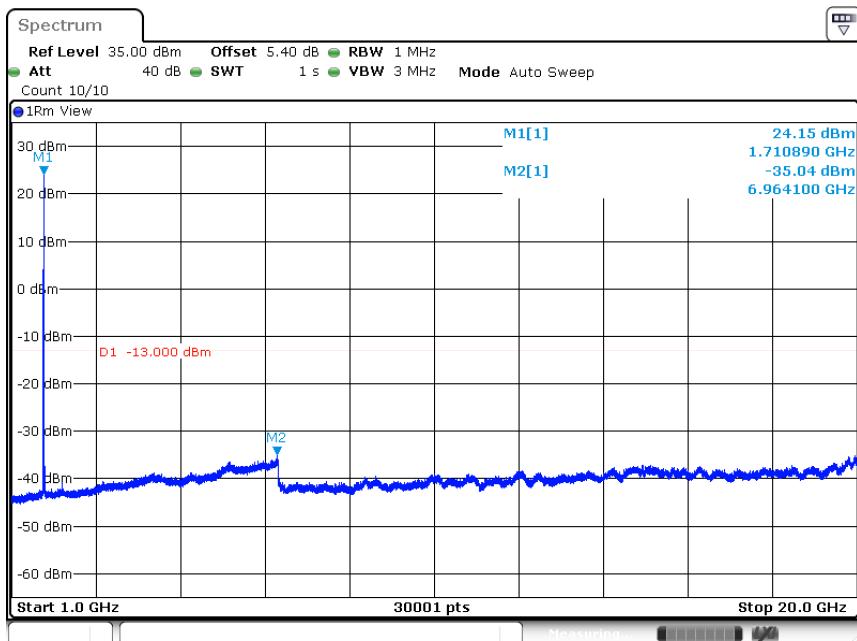
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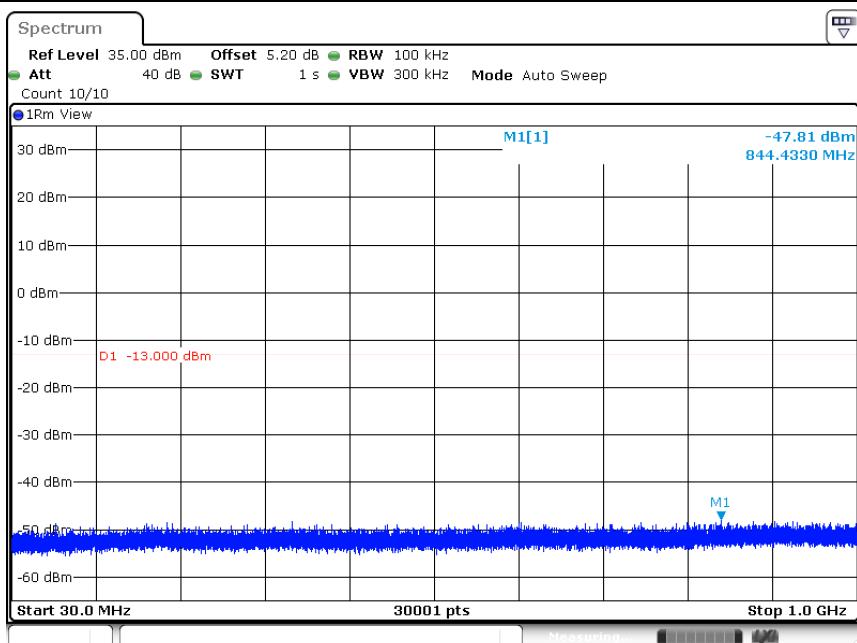
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## Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 23:42:23

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



Date: 10.AUG.2020 23:42:42

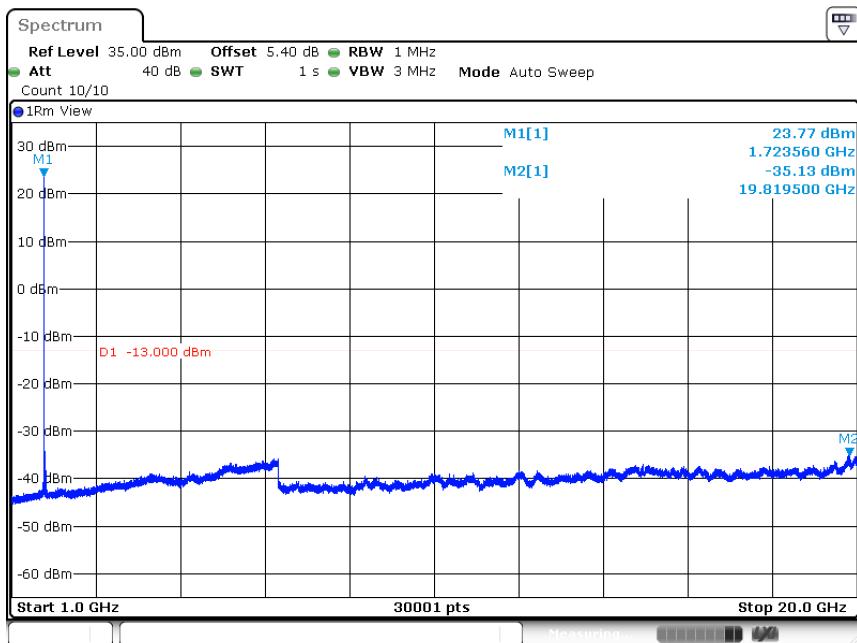
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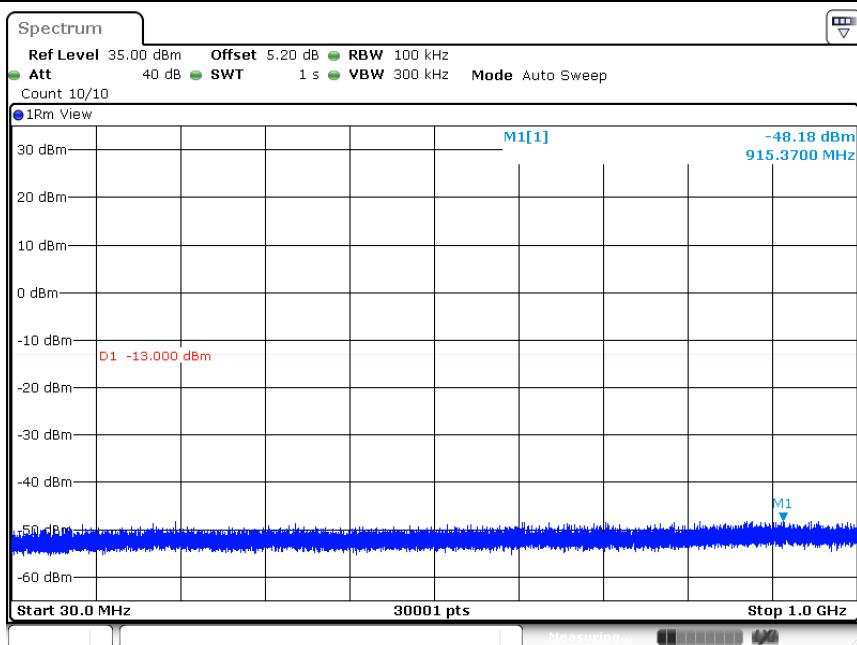
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## Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 23:42:58

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



Date: 10.AUG.2020 23:43:17

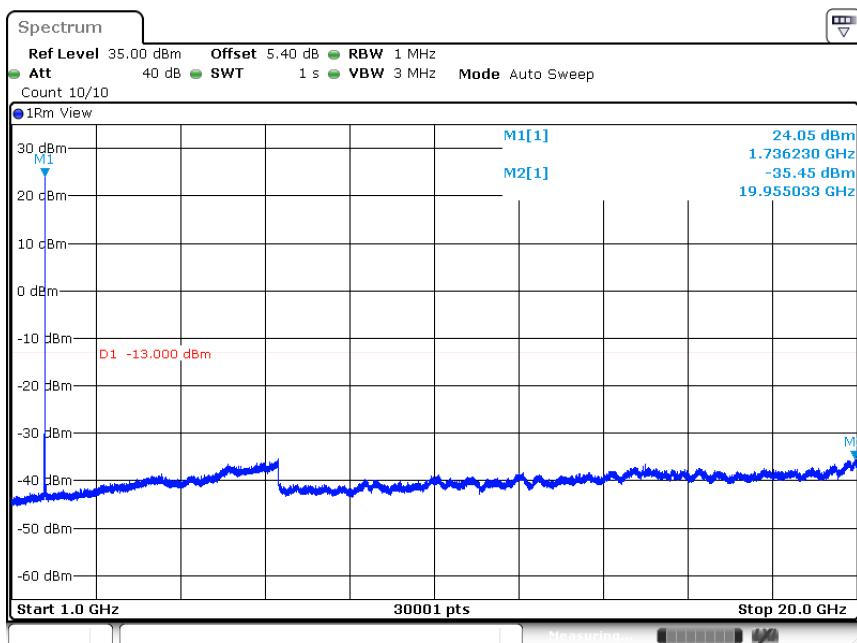
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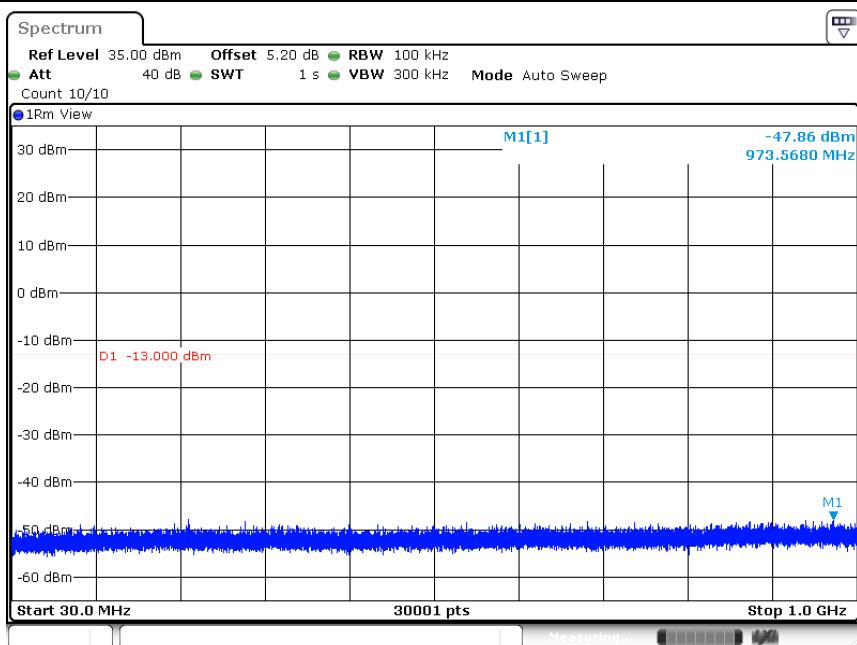
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## Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 23:43:34

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



Date: 10.AUG.2020 22:08:48

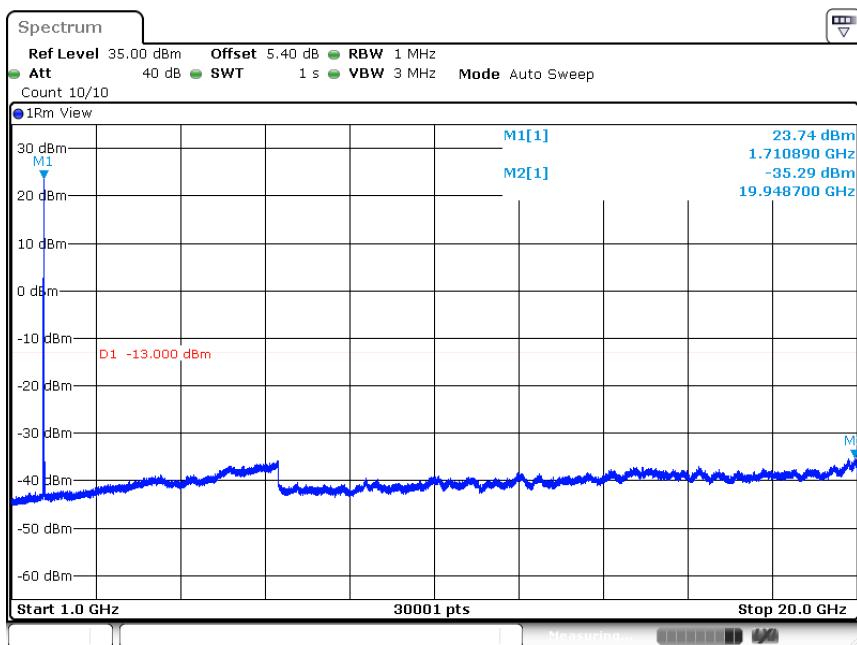
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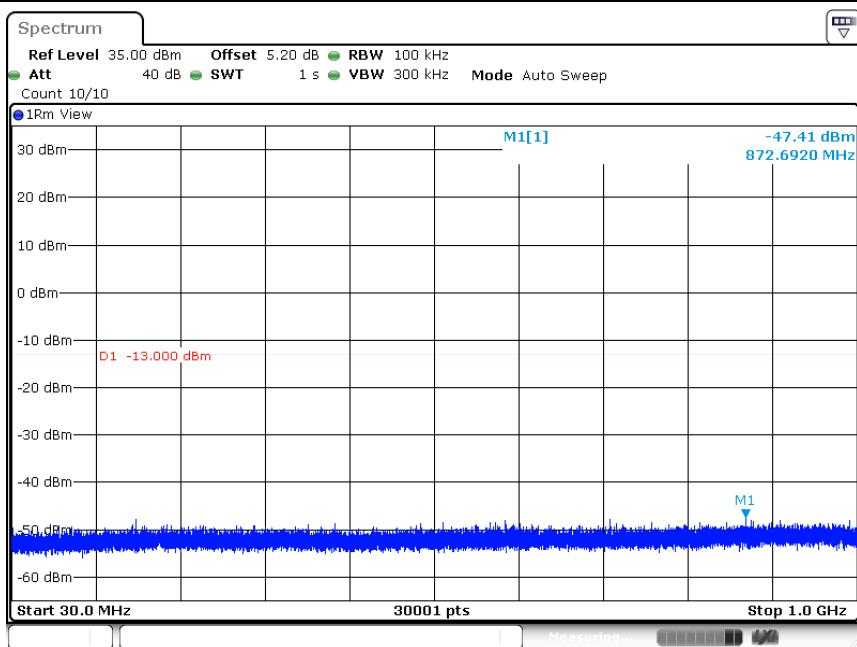
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## Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 22:09:04

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



Date: 10.AUG.2020 22:09:58

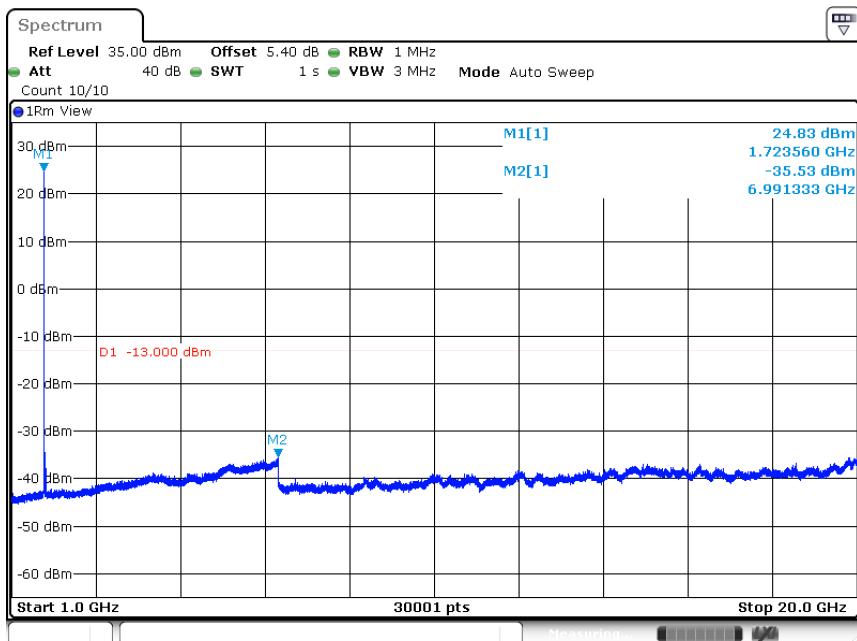
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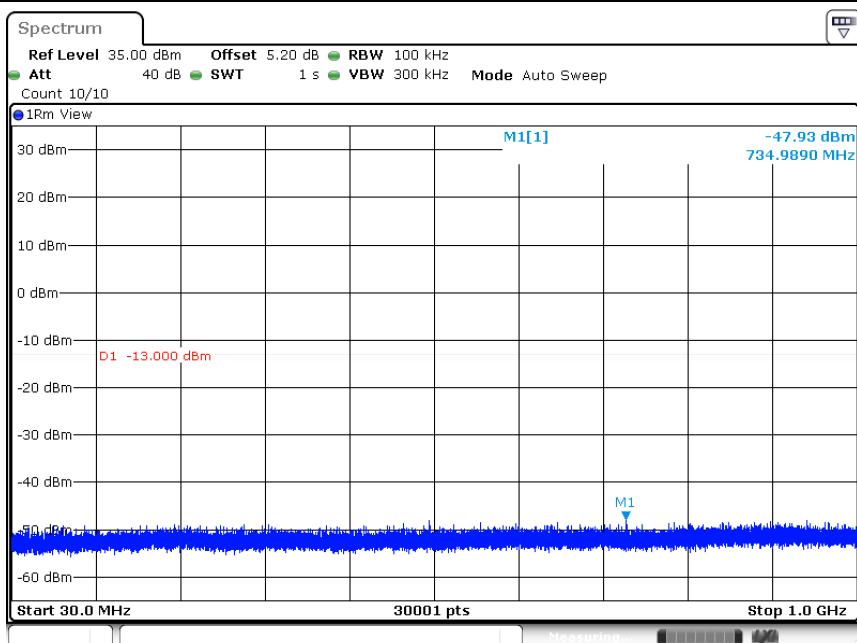
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## Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 10.AUG.2020 22:10:15

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



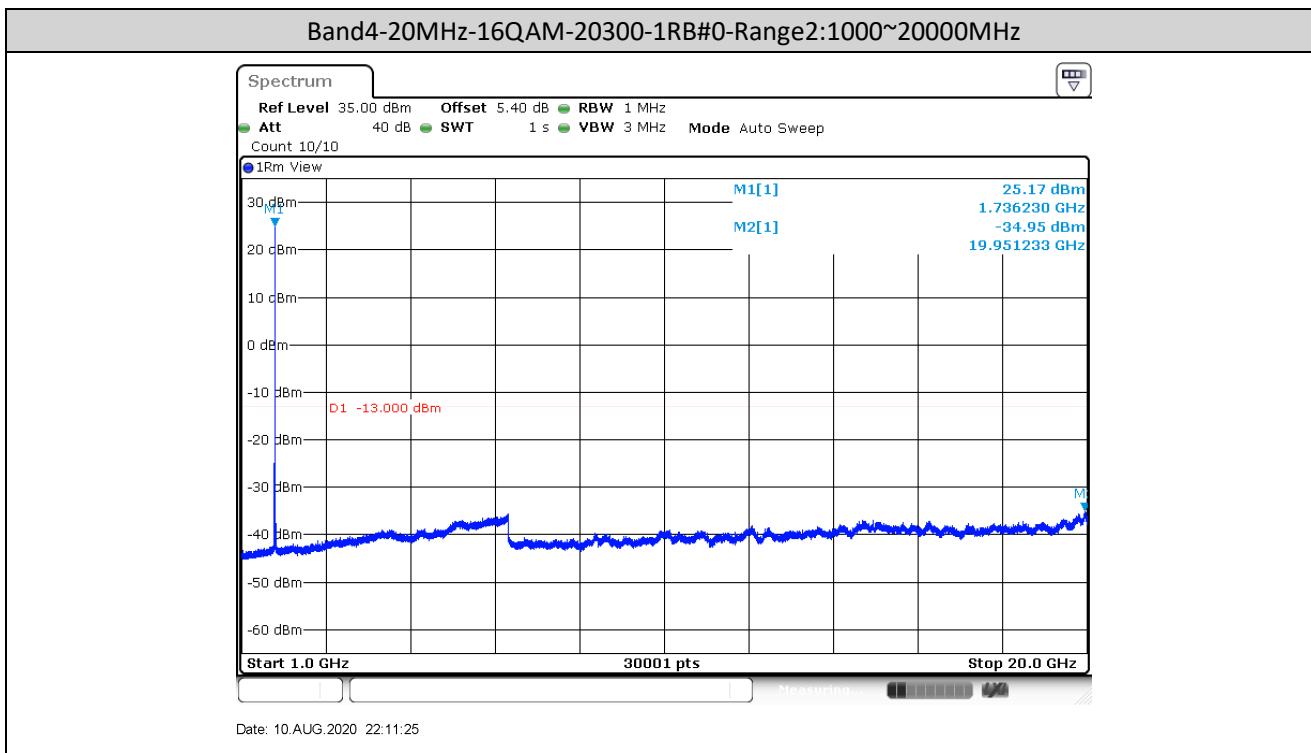
Date: 10.AUG.2020 22:11:09

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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
114.0062	-64.13	-13.00	51.13	Vertical
2703.1406	-36.79	-13.00	23.79	Vertical
3422.5141	-60.08	-13.00	47.08	Vertical
5133.5711	-50.69	-13.00	37.69	Vertical
6844.1281	-45.02	-13.00	32.02	Vertical
17996.4999	-39.98	-13.00	26.98	Vertical
44.7932	-64.63	-13.00	51.63	Horizontal
244.8657	-68.61	-13.00	55.61	Horizontal
2695.5391	-35.44	-13.00	22.44	Horizontal
5133.0711	-55.05	-13.00	42.05	Horizontal
6844.6282	-48.77	-13.00	35.77	Horizontal
16376.9459	-43.43	-13.00	30.43	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.9206	-64.61	-13.00	51.61	Vertical
2697.9396	-36.69	-13.00	23.69	Vertical
3447.0149	-59.14	-13.00	46.14	Vertical
5170.5724	-52.98	-13.00	39.98	Vertical
6894.1298	-45.94	-13.00	32.94	Vertical
17996.9999	-39.00	-13.00	26.00	Vertical
42.7076	-63.81	-13.00	50.81	Horizontal
2701.5403	-35.61	-13.00	22.61	Horizontal
3447.5149	-61.30	-13.00	48.30	Horizontal
5170.5724	-59.22	-13.00	46.22	Horizontal
6894.1298	-48.77	-13.00	35.77	Horizontal
16389.4463	-43.70	-13.00	30.70	Horizontal

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### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.3386	-65.37	-13.00	52.37	Vertical
2695.1390	-36.63	-13.00	23.63	Vertical
3472.0157	-53.08	-13.00	40.08	Vertical
5208.0736	-55.15	-13.00	42.15	Vertical
6944.6315	-46.92	-13.00	33.92	Vertical
17992.9998	-39.63	-13.00	26.63	Vertical
44.4537	-64.50	-13.00	51.50	Horizontal
2699.5399	-35.50	-13.00	22.50	Horizontal
3472.0157	-57.15	-13.00	44.15	Horizontal
5208.5736	-60.69	-13.00	47.69	Horizontal
6944.1315	-52.55	-13.00	39.55	Horizontal
16396.9466	-43.71	-13.00	30.71	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 (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-11.00	-0.006395	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-2.80	-0.001628	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-8.20	-0.004767	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-1.40	-0.000808	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-4.80	-0.002771	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	1.50	0.000866	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-4.70	-0.002693	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	3.30	0.001891	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	6.50	0.003779	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	-9.00	-0.005233	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	0.10	0.000058	±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	6.20	0.003579	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	-8.30	-0.004791	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-4.50	-0.002579	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-5.40	-0.003095	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-5.70	-0.003266	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-4.80	-0.002791	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	2.80	0.001628	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-6.40	-0.003721	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-9.40	-0.005426	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-7.20	-0.004156	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-1.50	-0.000866	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	3.60	0.002063	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	3.00	0.001719	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-7.90	-0.004527	±2.5	PASS

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## 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	6.90	0.004012	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	7.00	0.004070	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	-8.80	-0.005116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-9.90	-0.005756	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-6.50	-0.003779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-3.30	-0.001919	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	6.00	0.003488	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-4.40	-0.002558	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	4.90	0.002849	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-9.60	-0.005541	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-10.00	-0.005772	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-7.90	-0.004560	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-8.90	-0.005137	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.60	-0.001501	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-3.50	-0.002020	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	2.10	0.001212	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	6.00	0.003463	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-5.20	-0.002980	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-4.60	-0.002636	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-6.60	-0.003782	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	1.90	0.001089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-5.40	-0.003095	±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	-4.60	-0.002636	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	2.40	0.001375	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	-4.80	-0.002791	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	0.70	0.000407	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	-4.60	-0.002674	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	-7.10	-0.004128	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	-2.10	-0.001221	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	0.20	0.000116	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	-1.90	-0.001105	±2.5	PASS

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Band4	20MHz	64QAM	20050	100RB#0	NV	40	-6.90	-0.004012	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	-10.00	-0.005814	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	-1.50	-0.000866	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	-5.00	-0.002886	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	-4.40	-0.002540	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	6.80	0.003925	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	2.20	0.001270	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	6.20	0.003579	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	-6.20	-0.003579	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-11.00	-0.006349	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-1.80	-0.001032	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	3.80	0.002178	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	0.30	0.000172	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-4.40	-0.002521	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	0.70	0.000401	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	2.10	0.001203	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-6.90	-0.003954	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-8.70	-0.004986	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	0.60	0.000349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	6.20	0.003605	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-10.20	-0.005930	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-1.90	-0.001105	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-2.40	-0.001395	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	1.50	0.000872	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	1.40	0.000814	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-1.00	-0.000581	±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	6.80	0.003925	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	3.90	0.002251	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	6.80	0.003925	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-1.60	-0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	7.50	0.004329	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-3.00	-0.001732	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	3.20	0.001847	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-9.40	-0.005426	±2.5	PASS

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Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-9.60	-0.005501	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	5.20	0.002980	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	4.10	0.002350	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	3.70	0.002120	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-6.70	-0.003840	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-8.60	-0.004928	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-1.50	-0.000860	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-4.00	-0.002292	±2.5	PASS

The End

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