



Appendix B

E-UTRA Band 66



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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
Band66	1.4MHz	QPSK	131979	1RB#2	23.59	20.59	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.47	20.47	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	23.47	20.47	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.60	20.60	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.59	20.59	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.64	20.64	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.61	19.61	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.43	20.43	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.55	20.55	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.42	20.42	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.57	20.57	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.52	20.52	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.53	20.53	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.53	19.53	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.35	20.35	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.47	20.47	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.33	20.33	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.51	20.51	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.47	20.47	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.45	20.45	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.45	19.45	30	PASS
Band66	1.4MHz	64QAM	131979	1RB#2	21.67	18.67	30	PASS
Band66	1.4MHz	64QAM	131979	1RB#5	21.50	18.50	30	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	21.52	18.52	30	PASS
Band66	1.4MHz	64QAM	131979	3RB#0	21.56	18.56	30	PASS
Band66	1.4MHz	64QAM	131979	3RB#1	21.59	18.59	30	PASS
Band66	1.4MHz	64QAM	131979	3RB#3	21.56	18.56	30	PASS



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Band66	1.4MHz	64QAM	131979	6RB#0	20.47	17.47	30	PASS
Band66	1.4MHz	64QAM	132322	1RB#5	21.45	18.45	30	PASS
Band66	1.4MHz	64QAM	132322	1RB#2	21.53	18.53	30	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	21.47	18.47	30	PASS
Band66	1.4MHz	64QAM	132322	3RB#1	21.52	18.52	30	PASS
Band66	1.4MHz	64QAM	132322	3RB#3	21.53	18.53	30	PASS
Band66	1.4MHz	64QAM	132322	3RB#0	21.49	18.49	30	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	20.41	17.41	30	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	21.44	18.44	30	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	21.41	18.41	30	PASS
Band66	1.4MHz	64QAM	132665	1RB#2	21.57	18.57	30	PASS
Band66	1.4MHz	64QAM	132665	3RB#0	21.47	18.47	30	PASS
Band66	1.4MHz	64QAM	132665	3RB#1	21.53	18.53	30	PASS
Band66	1.4MHz	64QAM	132665	3RB#3	21.45	18.45	30	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	20.39	17.39	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.67	19.67	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.91	19.91	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.69	19.69	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.65	19.65	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.72	19.72	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.63	19.63	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.65	18.65	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.66	19.66	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.67	19.67	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.70	19.70	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.59	19.59	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	22.63	19.63	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.62	19.62	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.58	18.58	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.65	19.65	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.59	19.59	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.80	19.80	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.52	19.52	30	PASS



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Wireless Laboratory

Band66	1.4MHz	16QAM	132665	3RB#1	22.63	19.63	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	22.59	19.59	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.55	18.55	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.58	20.58	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.55	20.55	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.57	20.57	30	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.61	19.61	30	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.63	19.63	30	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.65	19.65	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.60	19.60	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.52	20.52	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.47	20.47	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.47	20.47	30	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.57	19.57	30	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.55	19.55	30	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.55	19.55	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.54	19.54	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.43	20.43	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.41	20.41	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.41	20.41	30	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.46	19.46	30	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.52	19.52	30	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.48	19.48	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.48	19.48	30	PASS
Band66	3MHz	64QAM	131987	1RB#0	21.61	18.61	30	PASS
Band66	3MHz	64QAM	131987	1RB#8	21.63	18.63	30	PASS
Band66	3MHz	64QAM	131987	1RB#14	21.59	18.59	30	PASS
Band66	3MHz	64QAM	131987	8RB#0	20.51	17.51	30	PASS
Band66	3MHz	64QAM	131987	8RB#4	20.52	17.52	30	PASS
Band66	3MHz	64QAM	131987	8RB#7	20.53	17.53	30	PASS
Band66	3MHz	64QAM	131987	15RB#0	20.49	17.49	30	PASS
Band66	3MHz	64QAM	132322	1RB#14	21.51	18.51	30	PASS
Band66	3MHz	64QAM	132322	1RB#0	21.56	18.56	30	PASS



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Band66	3MHz	64QAM	132322	1RB#8	21.52	18.52	30	PASS
Band66	3MHz	64QAM	132322	8RB#0	20.44	17.44	30	PASS
Band66	3MHz	64QAM	132322	8RB#7	20.42	17.42	30	PASS
Band66	3MHz	64QAM	132322	8RB#4	20.49	17.49	30	PASS
Band66	3MHz	64QAM	132322	15RB#0	20.41	17.41	30	PASS
Band66	3MHz	64QAM	132657	1RB#0	21.46	18.46	30	PASS
Band66	3MHz	64QAM	132657	1RB#8	21.51	18.51	30	PASS
Band66	3MHz	64QAM	132657	1RB#14	21.46	18.46	30	PASS
Band66	3MHz	64QAM	132657	8RB#7	20.39	17.39	30	PASS
Band66	3MHz	64QAM	132657	8RB#0	20.41	17.41	30	PASS
Band66	3MHz	64QAM	132657	8RB#4	20.42	17.42	30	PASS
Band66	3MHz	64QAM	132657	15RB#0	20.39	17.39	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.84	19.84	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.86	19.86	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.88	19.88	30	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.63	18.63	30	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.64	18.64	30	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.68	18.68	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.58	18.58	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.74	19.74	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.75	19.75	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.74	19.74	30	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.62	18.62	30	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.59	18.59	30	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.57	18.57	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.50	18.50	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.69	19.69	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.67	19.67	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.61	19.61	30	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.54	18.54	30	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.56	18.56	30	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.51	18.51	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.47	18.47	30	PASS



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Band66	5MHz	QPSK	131997	1RB#12	23.78	20.78	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.48	20.48	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.44	20.44	30	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.64	19.64	30	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.67	19.67	30	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.60	19.60	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.61	19.61	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.40	20.40	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.37	20.37	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.70	20.70	30	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.54	19.54	30	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.54	19.54	30	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.59	19.59	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.54	19.54	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.29	20.29	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.33	20.33	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.61	20.61	30	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.48	19.48	30	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.53	19.53	30	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.46	19.46	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.48	19.48	30	PASS
Band66	5MHz	64QAM	131997	1RB#24	21.51	18.51	30	PASS
Band66	5MHz	64QAM	131997	1RB#0	21.48	18.48	30	PASS
Band66	5MHz	64QAM	131997	1RB#12	21.82	18.82	30	PASS
Band66	5MHz	64QAM	131997	12RB#0	20.49	17.49	30	PASS
Band66	5MHz	64QAM	131997	12RB#13	20.51	17.51	30	PASS
Band66	5MHz	64QAM	131997	12RB#6	20.56	17.56	30	PASS
Band66	5MHz	64QAM	131997	25RB#0	20.49	17.49	30	PASS
Band66	5MHz	64QAM	132322	1RB#12	21.71	18.71	30	PASS
Band66	5MHz	64QAM	132322	1RB#0	21.41	18.41	30	PASS
Band66	5MHz	64QAM	132322	1RB#24	21.44	18.44	30	PASS
Band66	5MHz	64QAM	132322	12RB#0	20.41	17.41	30	PASS
Band66	5MHz	64QAM	132322	12RB#6	20.48	17.48	30	PASS



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Band66	5MHz	64QAM	132322	12RB#13	20.40	17.40	30	PASS
Band66	5MHz	64QAM	132322	25RB#0	20.43	17.43	30	PASS
Band66	5MHz	64QAM	132647	1RB#12	21.69	18.69	30	PASS
Band66	5MHz	64QAM	132647	1RB#0	21.41	18.41	30	PASS
Band66	5MHz	64QAM	132647	1RB#24	21.37	18.37	30	PASS
Band66	5MHz	64QAM	132647	12RB#13	20.37	17.37	30	PASS
Band66	5MHz	64QAM	132647	12RB#6	20.46	17.46	30	PASS
Band66	5MHz	64QAM	132647	12RB#0	20.40	17.40	30	PASS
Band66	5MHz	64QAM	132647	25RB#0	20.40	17.40	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.71	19.71	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	23.02	20.02	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.76	19.76	30	PASS
Band66	5MHz	16QAM	131997	12RB#0	21.60	18.60	30	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.69	18.69	30	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.60	18.60	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.60	18.60	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.60	19.60	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.93	19.93	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.69	19.69	30	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.61	18.61	30	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.54	18.54	30	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.51	18.51	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.51	18.51	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.50	19.50	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.60	19.60	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.79	19.79	30	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.49	18.49	30	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.56	18.56	30	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.48	18.48	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.46	18.46	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.56	20.56	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.64	20.64	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.54	20.54	30	PASS



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Wireless Laboratory

Band66	10MHz	QPSK	132022	25RB#0	22.63	19.63	30	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.65	19.65	30	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.67	19.67	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.65	19.65	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.51	20.51	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.59	20.59	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.47	20.47	30	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.59	19.59	30	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.56	19.56	30	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.58	19.58	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.58	19.58	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.43	20.43	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.55	20.55	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.40	20.40	30	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.55	19.55	30	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.53	19.53	30	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.50	19.50	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.53	19.53	30	PASS
Band66	10MHz	64QAM	132022	1RB#0	21.58	18.58	30	PASS
Band66	10MHz	64QAM	132022	1RB#49	21.56	18.56	30	PASS
Band66	10MHz	64QAM	132022	1RB#24	21.68	18.68	30	PASS
Band66	10MHz	64QAM	132022	25RB#12	20.54	17.54	30	PASS
Band66	10MHz	64QAM	132022	25RB#0	20.51	17.51	30	PASS
Band66	10MHz	64QAM	132022	25RB#25	20.55	17.55	30	PASS
Band66	10MHz	64QAM	132022	50RB#0	20.54	17.54	30	PASS
Band66	10MHz	64QAM	132322	1RB#0	21.51	18.51	30	PASS
Band66	10MHz	64QAM	132322	1RB#49	21.47	18.47	30	PASS
Band66	10MHz	64QAM	132322	1RB#24	21.62	18.62	30	PASS
Band66	10MHz	64QAM	132322	25RB#0	20.46	17.46	30	PASS
Band66	10MHz	64QAM	132322	25RB#12	20.49	17.49	30	PASS
Band66	10MHz	64QAM	132322	25RB#25	20.43	17.43	30	PASS
Band66	10MHz	64QAM	132322	50RB#0	20.46	17.46	30	PASS
Band66	10MHz	64QAM	132622	1RB#49	21.49	18.49	30	PASS



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Band66	10MHz	64QAM	132622	1RB#24	21.64	18.64	30	PASS
Band66	10MHz	64QAM	132622	1RB#0	21.56	18.56	30	PASS
Band66	10MHz	64QAM	132622	25RB#25	20.43	17.43	30	PASS
Band66	10MHz	64QAM	132622	25RB#0	20.47	17.47	30	PASS
Band66	10MHz	64QAM	132622	25RB#12	20.45	17.45	30	PASS
Band66	10MHz	64QAM	132622	50RB#0	20.43	17.43	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.84	19.84	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.79	19.79	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.87	19.87	30	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.64	18.64	30	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.59	18.59	30	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.61	18.61	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.62	18.62	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.68	19.68	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.88	19.88	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.75	19.75	30	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.56	18.56	30	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.55	18.55	30	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.53	18.53	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.55	18.55	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.87	19.87	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.64	19.64	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.76	19.76	30	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.54	18.54	30	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.52	18.52	30	PASS
Band66	10MHz	16QAM	132622	25RB#25	21.50	18.50	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.53	18.53	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.52	20.52	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.59	20.59	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.49	20.49	30	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.65	19.65	30	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.65	19.65	30	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.62	19.62	30	PASS



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Band66	15MHz	QPSK	132047	75RB#0	22.61	19.61	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.43	20.43	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.45	20.45	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.53	20.53	30	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.58	19.58	30	PASS
Band66	15MHz	QPSK	132322	36RB#39	22.56	19.56	30	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.58	19.58	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.55	19.55	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.47	20.47	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.39	20.39	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.37	20.37	30	PASS
Band66	15MHz	QPSK	132597	36RB#39	22.50	19.50	30	PASS
Band66	15MHz	QPSK	132597	36RB#0	22.55	19.55	30	PASS
Band66	15MHz	QPSK	132597	36RB#18	22.56	19.56	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.53	19.53	30	PASS
Band66	15MHz	64QAM	132047	1RB#74	21.49	18.49	30	PASS
Band66	15MHz	64QAM	132047	1RB#38	21.60	18.60	30	PASS
Band66	15MHz	64QAM	132047	1RB#0	21.55	18.55	30	PASS
Band66	15MHz	64QAM	132047	36RB#0	20.47	17.47	30	PASS
Band66	15MHz	64QAM	132047	36RB#18	20.51	17.51	30	PASS
Band66	15MHz	64QAM	132047	36RB#39	20.51	17.51	30	PASS
Band66	15MHz	64QAM	132047	75RB#0	20.51	17.51	30	PASS
Band66	15MHz	64QAM	132322	1RB#0	21.47	18.47	30	PASS
Band66	15MHz	64QAM	132322	1RB#38	21.54	18.54	30	PASS
Band66	15MHz	64QAM	132322	1RB#74	21.55	18.55	30	PASS
Band66	15MHz	64QAM	132322	36RB#0	20.45	17.45	30	PASS
Band66	15MHz	64QAM	132322	36RB#18	20.46	17.46	30	PASS
Band66	15MHz	64QAM	132322	36RB#39	20.42	17.42	30	PASS
Band66	15MHz	64QAM	132322	75RB#0	20.44	17.44	30	PASS
Band66	15MHz	64QAM	132597	1RB#38	21.56	18.56	30	PASS
Band66	15MHz	64QAM	132597	1RB#74	21.42	18.42	30	PASS
Band66	15MHz	64QAM	132597	1RB#0	21.46	18.46	30	PASS
Band66	15MHz	64QAM	132597	36RB#0	20.42	17.42	30	PASS



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 Wireless Laboratory

Band66	15MHz	64QAM	132597	36RB#18	20.44	17.44	30	PASS
Band66	15MHz	64QAM	132597	36RB#39	20.40	17.40	30	PASS
Band66	15MHz	64QAM	132597	75RB#0	20.45	17.45	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.77	19.77	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.88	19.88	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.73	19.73	30	PASS
Band66	15MHz	16QAM	132047	36RB#0	21.57	18.57	30	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.60	18.60	30	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.63	18.63	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.62	18.62	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.79	19.79	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.73	19.73	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.70	19.70	30	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.53	18.53	30	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.55	18.55	30	PASS
Band66	15MHz	16QAM	132322	36RB#39	21.48	18.48	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.52	18.52	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.71	19.71	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.70	19.70	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.56	19.56	30	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.47	18.47	30	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.53	18.53	30	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.54	18.54	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.51	18.51	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.63	20.63	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.39	20.39	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.43	20.43	30	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.58	19.58	30	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.62	19.62	30	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.66	19.66	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.61	19.61	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.36	20.36	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.62	20.62	30	PASS



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Band66	20MHz	QPSK	132322	1RB#0	23.38	20.38	30	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.59	19.59	30	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.55	19.55	30	PASS
Band66	20MHz	QPSK	132322	50RB#50	22.48	19.48	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.51	19.51	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.57	20.57	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.35	20.35	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.29	20.29	30	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.56	19.56	30	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.48	19.48	30	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.59	19.59	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.53	19.53	30	PASS
Band66	20MHz	64QAM	132072	1RB#0	21.46	18.46	30	PASS
Band66	20MHz	64QAM	132072	1RB#49	21.70	18.70	30	PASS
Band66	20MHz	64QAM	132072	1RB#99	21.44	18.44	30	PASS
Band66	20MHz	64QAM	132072	50RB#0	20.46	17.46	30	PASS
Band66	20MHz	64QAM	132072	50RB#25	20.52	17.52	30	PASS
Band66	20MHz	64QAM	132072	50RB#50	20.55	17.55	30	PASS
Band66	20MHz	64QAM	132072	100RB#0	20.49	17.49	30	PASS
Band66	20MHz	64QAM	132322	1RB#99	21.39	18.39	30	PASS
Band66	20MHz	64QAM	132322	1RB#0	21.44	18.44	30	PASS
Band66	20MHz	64QAM	132322	1RB#49	21.67	18.67	30	PASS
Band66	20MHz	64QAM	132322	50RB#25	20.50	17.50	30	PASS
Band66	20MHz	64QAM	132322	50RB#50	20.41	17.41	30	PASS
Band66	20MHz	64QAM	132322	50RB#0	20.45	17.45	30	PASS
Band66	20MHz	64QAM	132322	100RB#0	20.41	17.41	30	PASS
Band66	20MHz	64QAM	132572	1RB#49	21.63	18.63	30	PASS
Band66	20MHz	64QAM	132572	1RB#99	21.39	18.39	30	PASS
Band66	20MHz	64QAM	132572	1RB#0	21.40	18.40	30	PASS
Band66	20MHz	64QAM	132572	50RB#50	20.39	17.39	30	PASS
Band66	20MHz	64QAM	132572	50RB#0	20.48	17.48	30	PASS
Band66	20MHz	64QAM	132572	50RB#25	20.47	17.47	30	PASS
Band66	20MHz	64QAM	132572	100RB#0	20.40	17.40	30	PASS



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Band66	20MHz	16QAM	132072	1RB#99	22.59	19.59	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.68	19.68	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.93	19.93	30	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.54	18.54	30	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.62	18.62	30	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.62	18.62	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.58	18.58	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.61	19.61	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.79	19.79	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.71	19.71	30	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.54	18.54	30	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.51	18.51	30	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.46	18.46	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.48	18.48	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.48	19.48	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.77	19.77	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.62	19.62	30	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.44	18.44	30	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.54	18.54	30	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.55	18.55	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.51	18.51	30	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

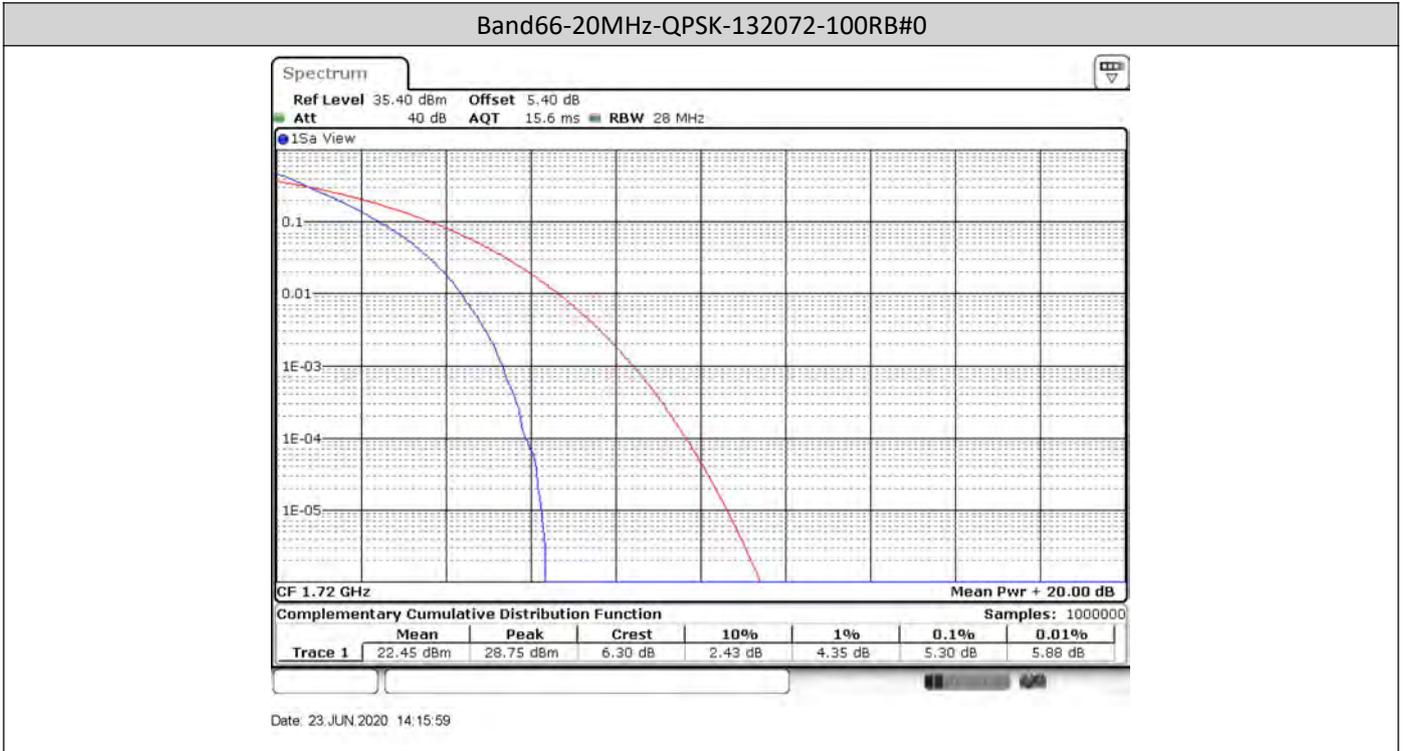
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.30	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.16	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.19	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.38	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.26	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.29	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.09	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.97	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.00	13	PASS



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2.2. Test Plots



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Band66-20MHz-QPSK-132322-100RB#0



Date: 23 JUN 2020 14:16:21

Band66-20MHz-QPSK-132572-100RB#0

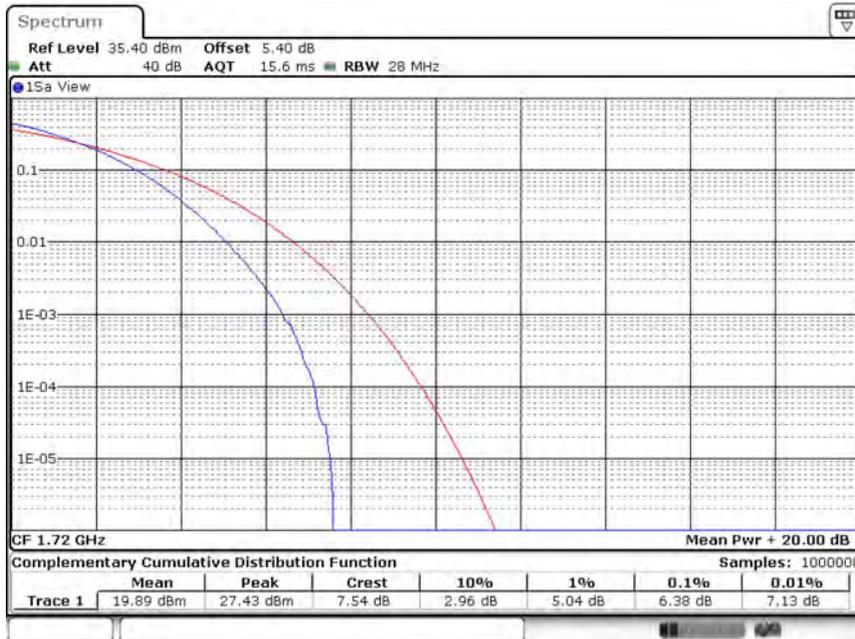


Date: 23 JUN 2020 14:16:44

Band66-20MHz-64QAM-132072-100RB#0

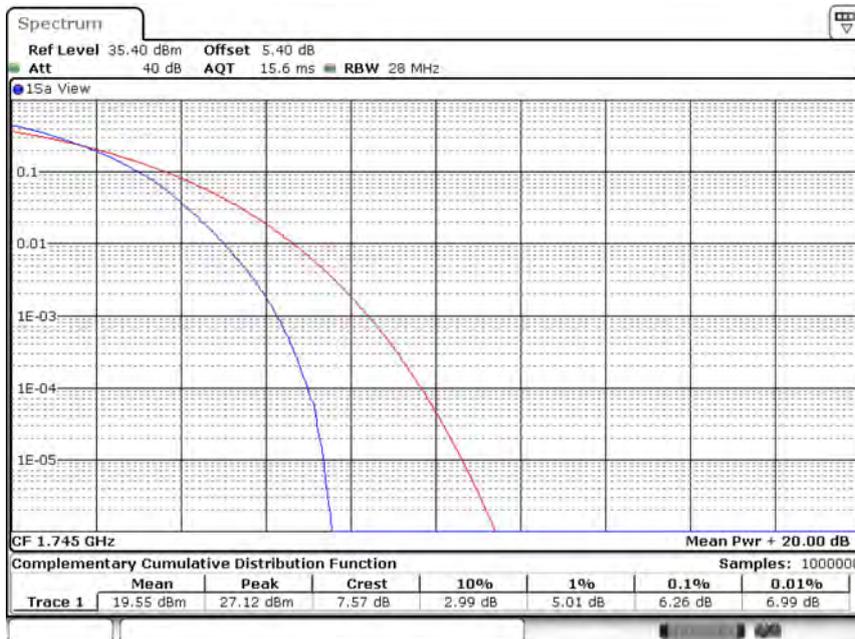


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Date: 24 JUN 2020 10:52:17

Band66-20MHz-64QAM-132322-100RB#0



Date: 24 JUN 2020 10:52:29

Band66-20MHz-64QAM-132572-100RB#0



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Date: 24 JUN 2020 10:52:40

Band66-20MHz-16QAM-132072-100RB#0



Date: 23 JUN 2020 14:16:10

Band66-20MHz-16QAM-132322-100RB#0



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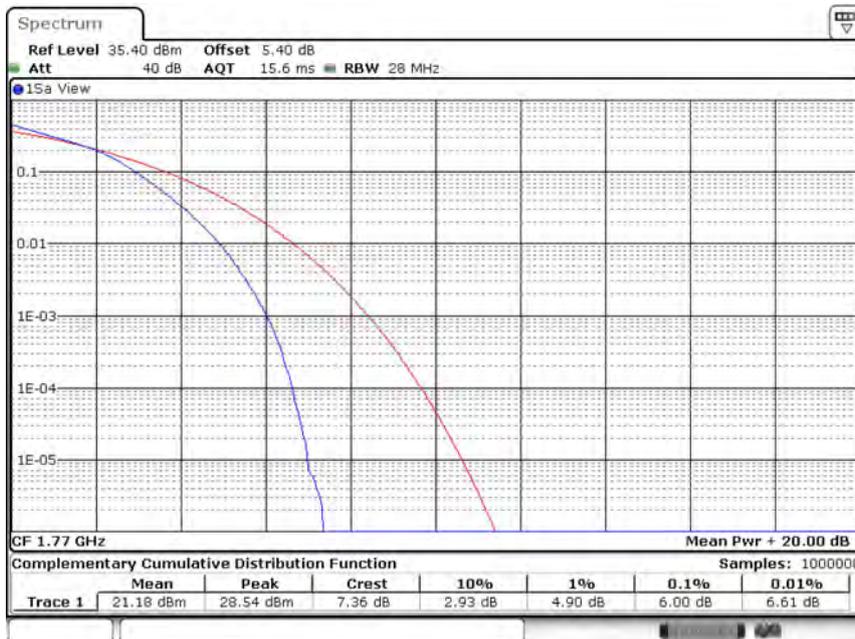
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Date: 23 JUN 2020 14:16:33

Band66-20MHz-16QAM-132572-100RB#0



Date: 23 JUN 2020 14:16:55



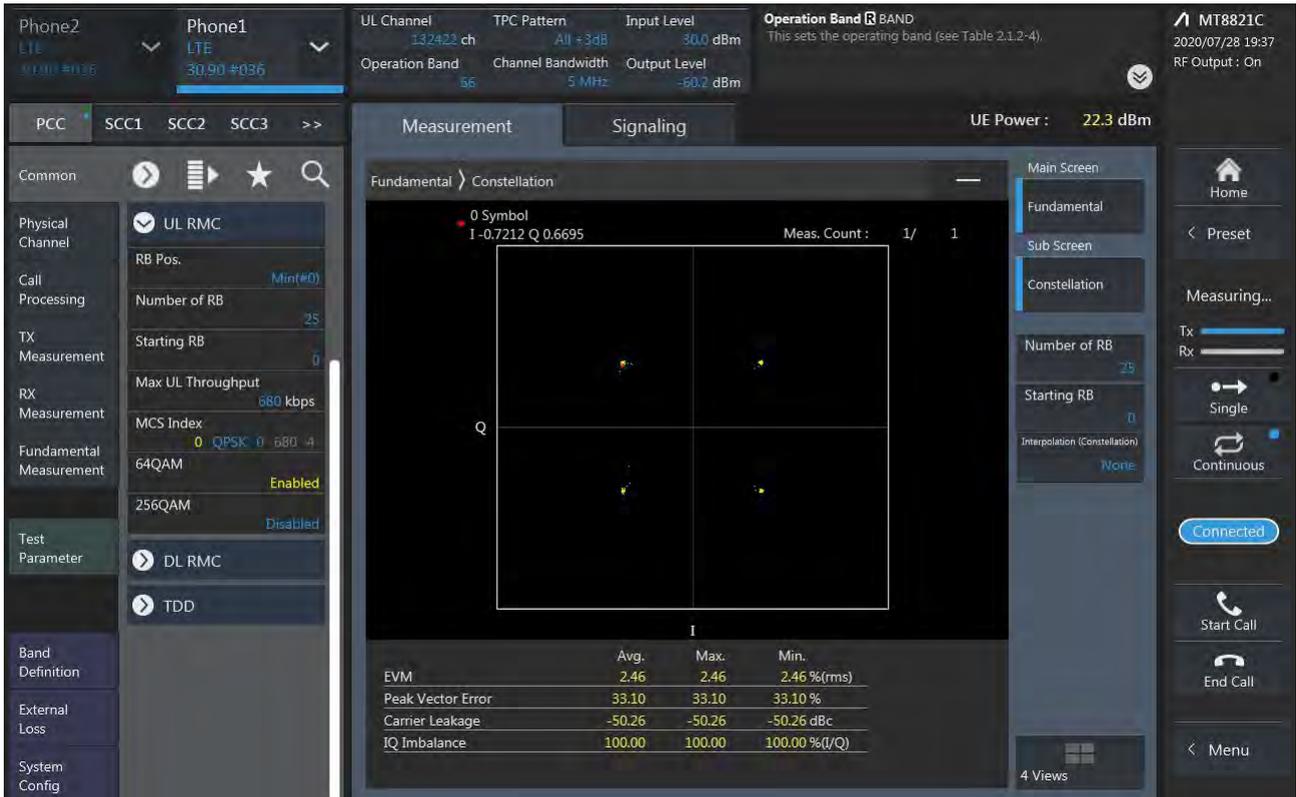
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



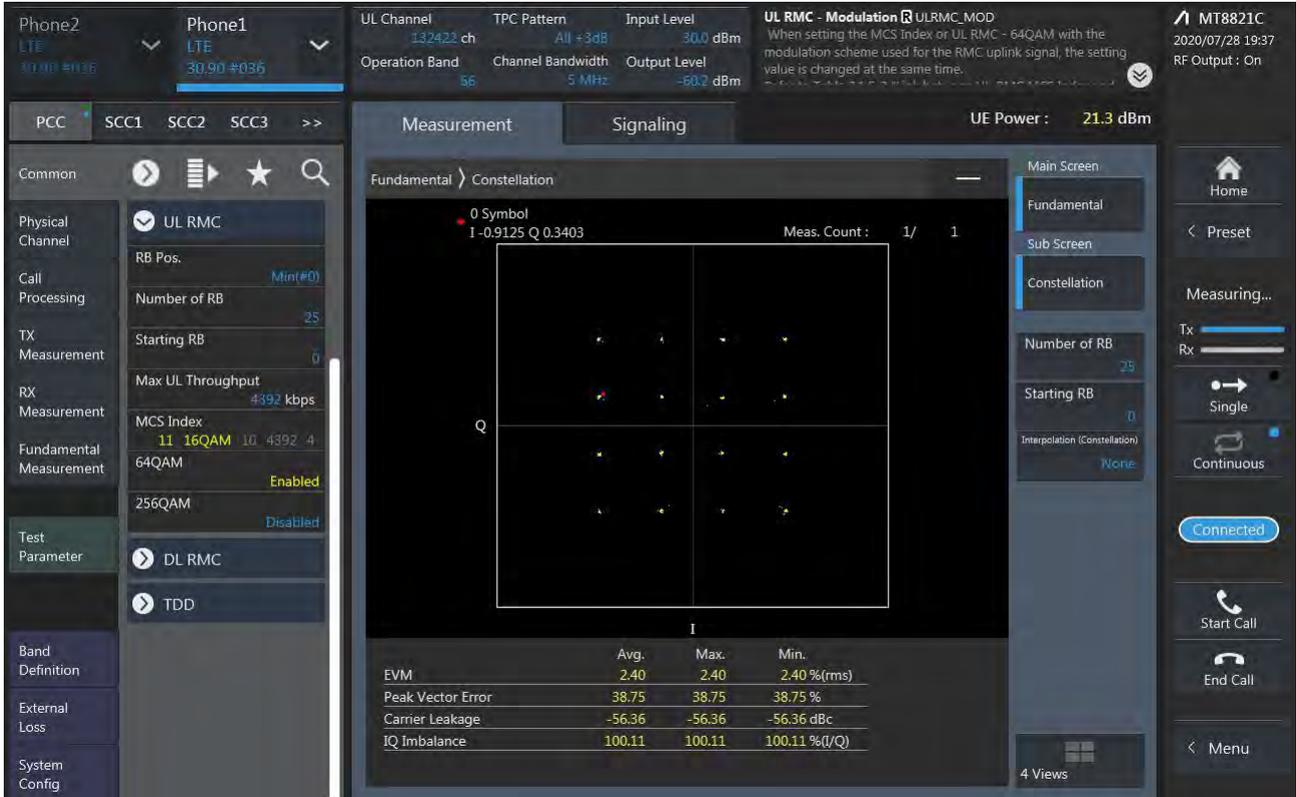
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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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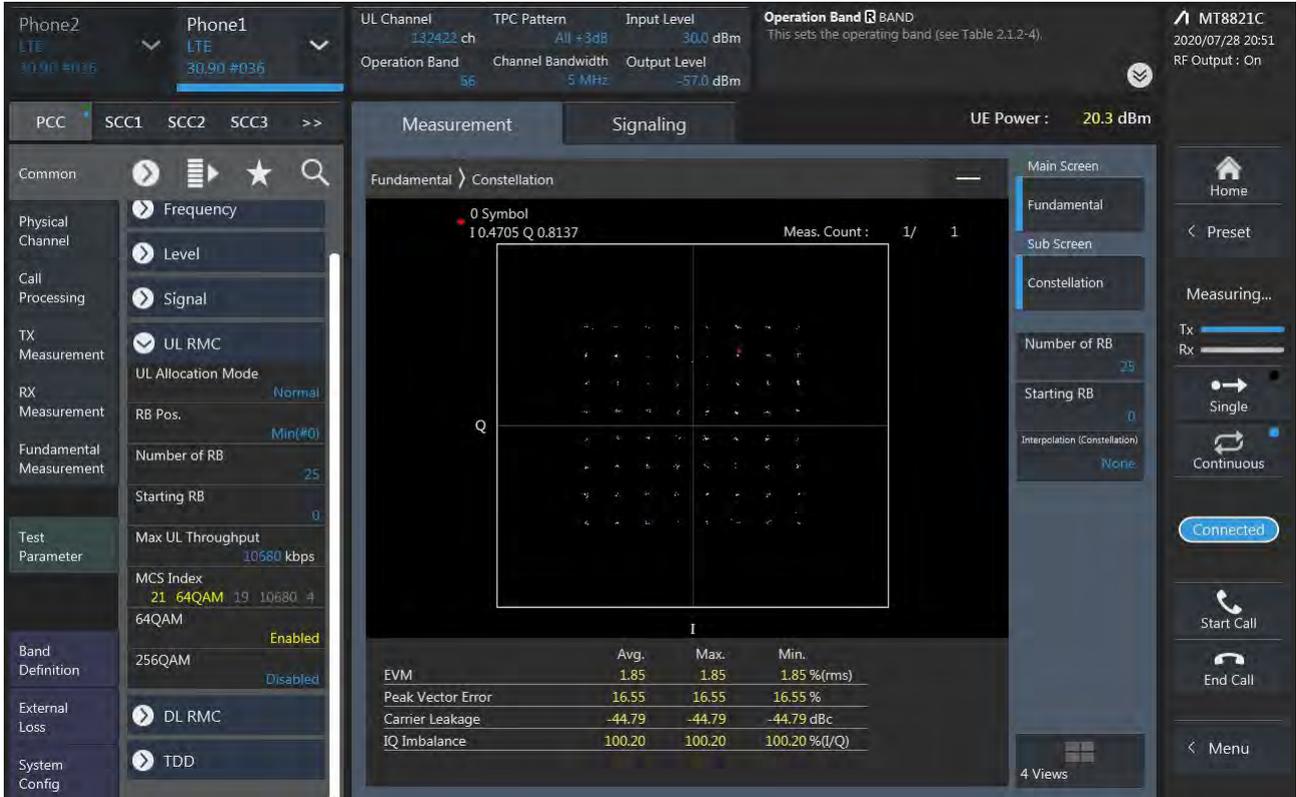
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3.3. Test Mode = LTE /TM3 20MHz

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
Band66	1.4MHz	QPSK	131979	6RB#0	1.088	1.284	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.088	1.287	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.088	1.284	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.094	1.278	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.091	1.287	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.094	1.284	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.287	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.290	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.287	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.691	2.928	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.685	2.922	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.691	2.916	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.685	2.910	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.685	2.904	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.685	2.898	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.673	2.898	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.679	2.904	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.673	2.898	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.466	5.070	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.486	5.070	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	5.060	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.486	5.030	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.486	5.010	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.476	5.010	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.486	5.070	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.496	5.070	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.496	5.060	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.951	10.220	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.931	9.920	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.951	9.900	PASS



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Band66	10MHz	64QAM	132022	50RB#0	8.931	9.840	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.951	10.180	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.951	9.820	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.951	9.940	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.951	9.920	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.951	9.960	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.487	15.000	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.487	15.420	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.487	15.090	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.457	15.210	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.487	15.210	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.457	15.240	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.457	15.060	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.487	15.120	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.487	15.090	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.902	19.680	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.902	19.840	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.902	19.720	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.902	19.640	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.902	19.760	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.902	19.520	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.902	19.680	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.942	19.760	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.902	19.760	PASS

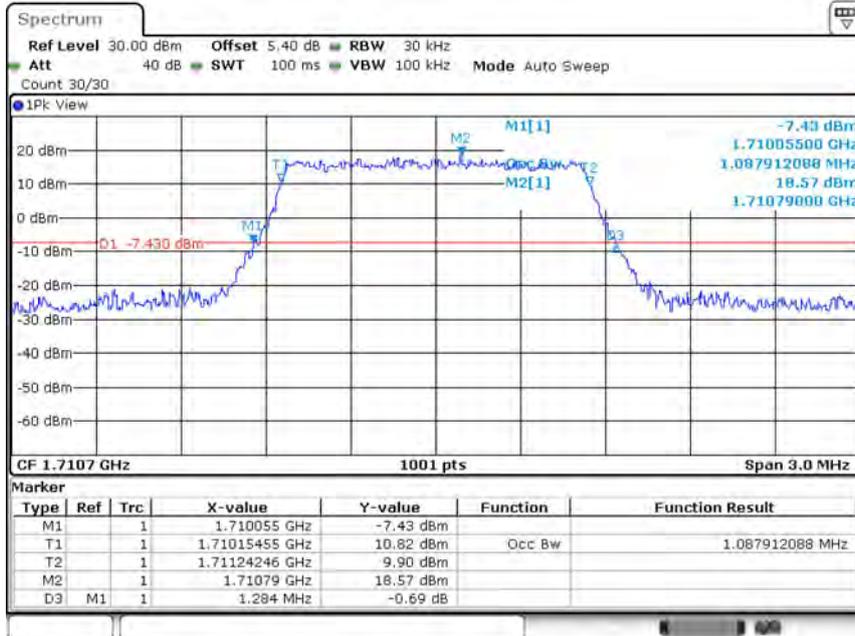


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4.2. Test Plots

Band66-1.4MHz-QPSK-131979-6RB#0-1.088



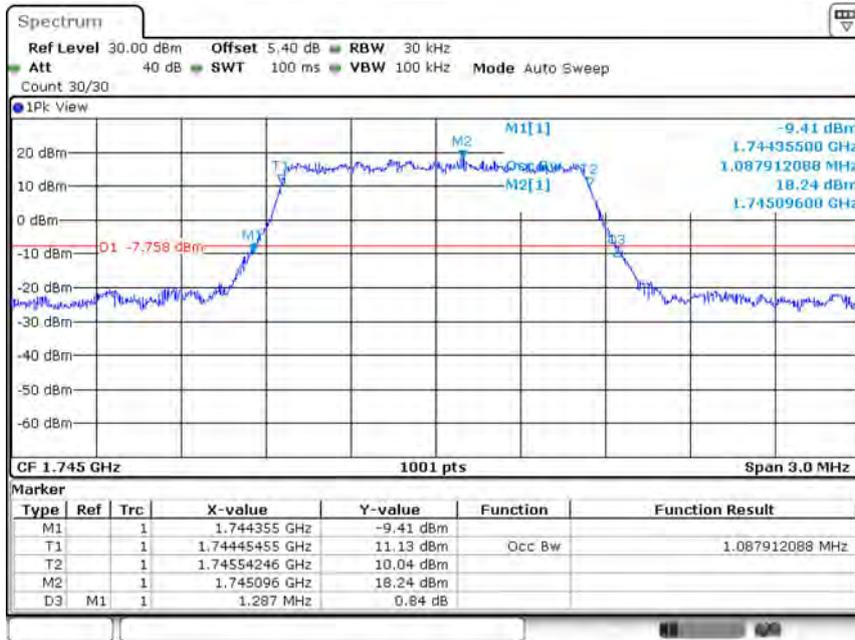
Date: 23 JUN 2020 13:46:14



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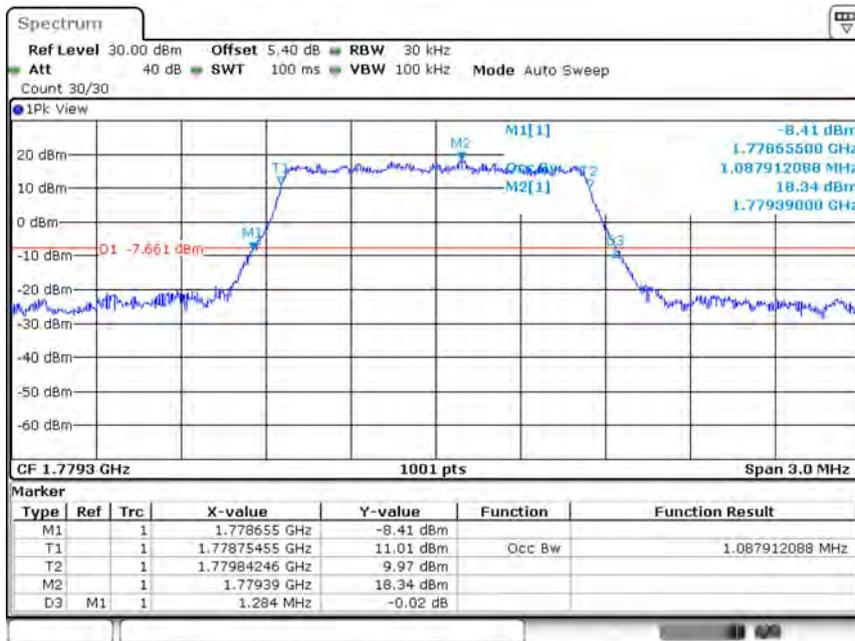


Band66-1.4MHz-QPSK-132322-6RB#0-1.088



Date: 23 JUN 2020 13:46:40

Band66-1.4MHz-QPSK-132665-6RB#0-1.088



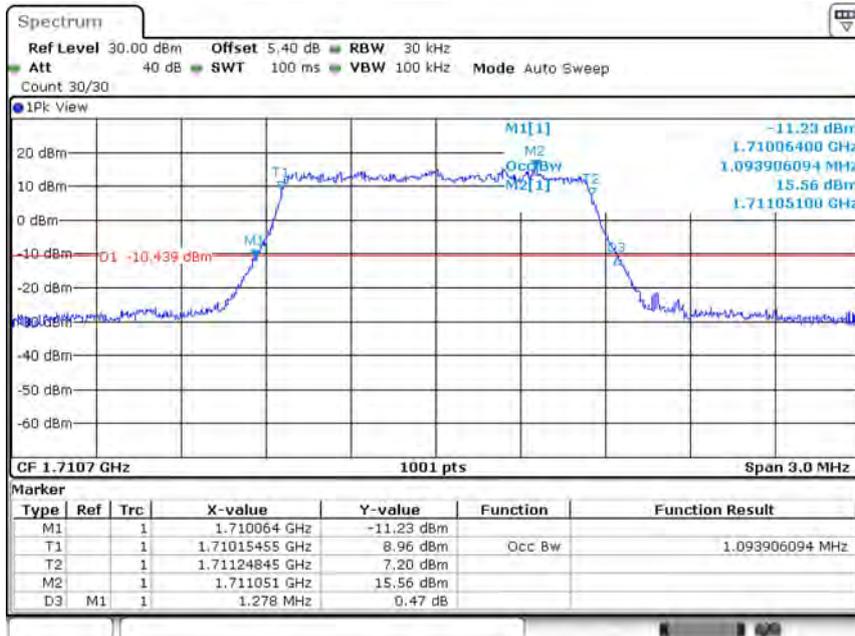
Date: 23 JUN 2020 13:47:05

Band66-1.4MHz-64QAM-131979-6RB#0-1.094



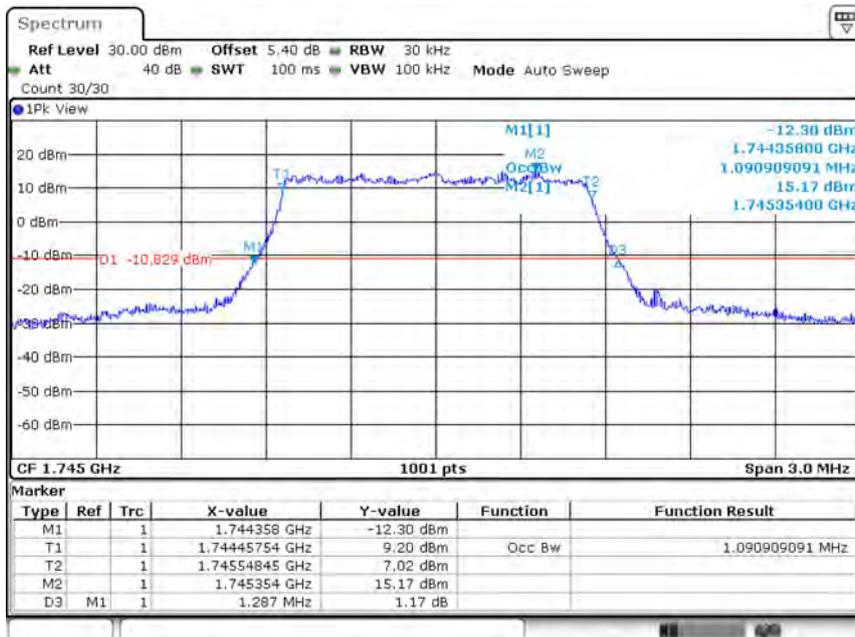
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Date: 24 JUN 2020 10:36:32

Band66-1.4MHz-64QAM-132322-6RB#0-1.091



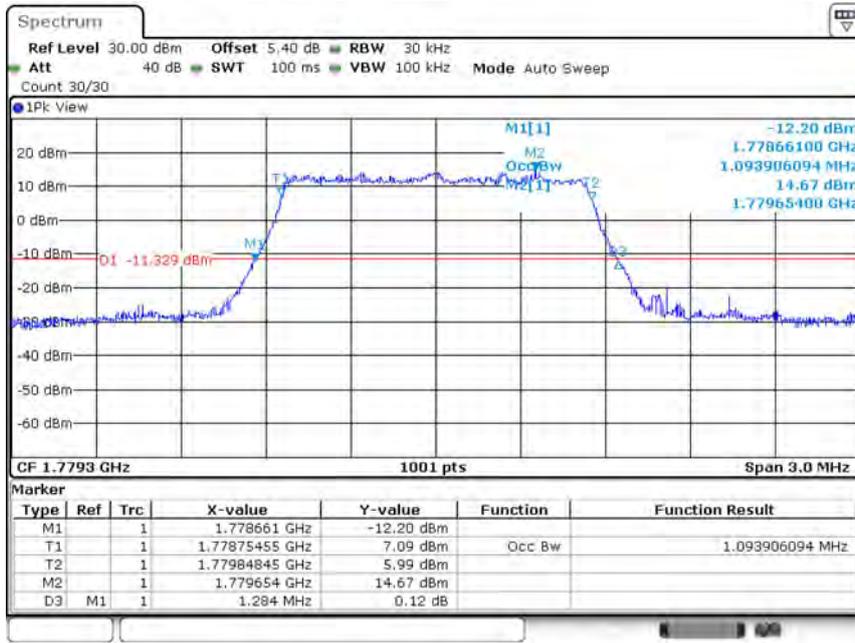
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Band66-1.4MHz-64QAM-132665-6RB#0-1.094



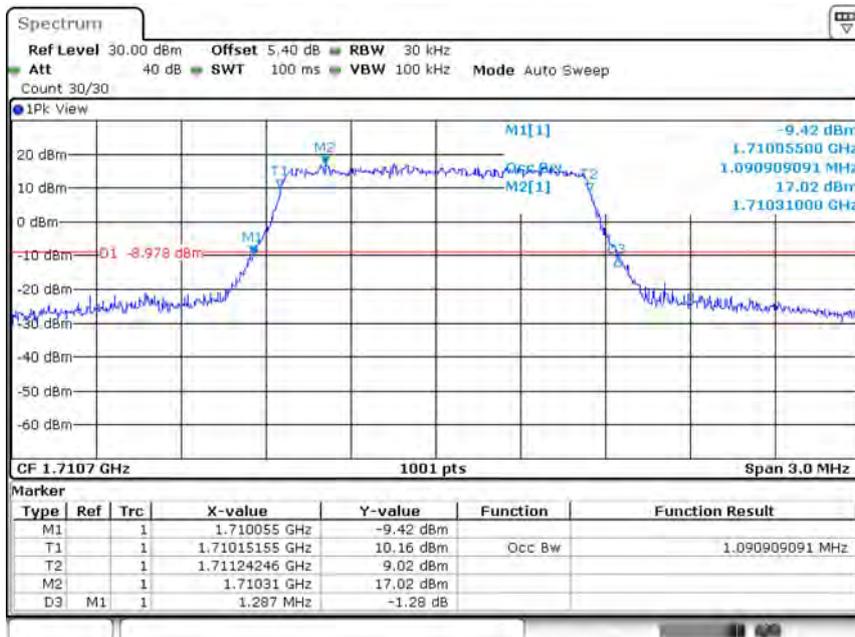
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Date: 24 JUN 2020 10:38:58

Band66-1.4MHz-16QAM-131979-6RB#0-1.091

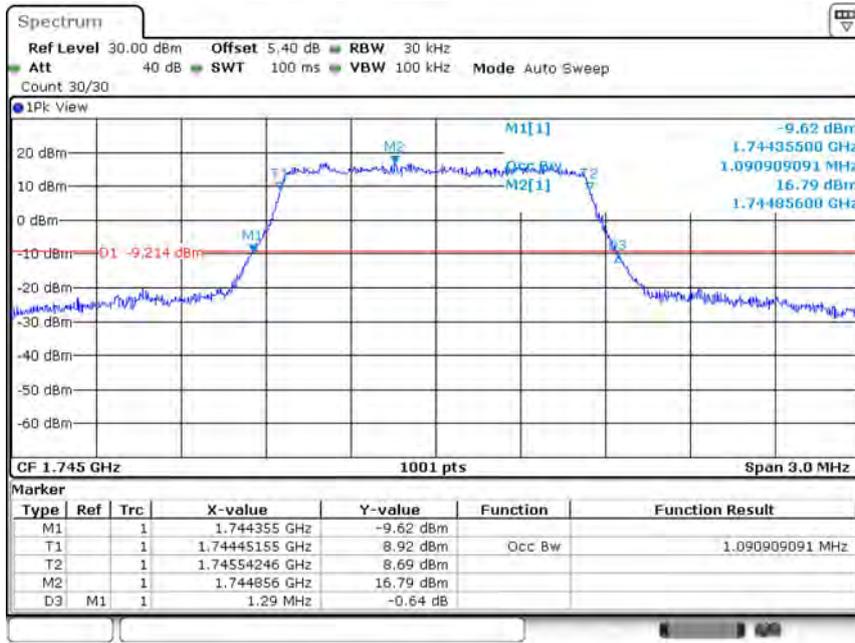


Date: 23 JUN 2020 13:46:27

Band66-1.4MHz-16QAM-132322-6RB#0-1.091

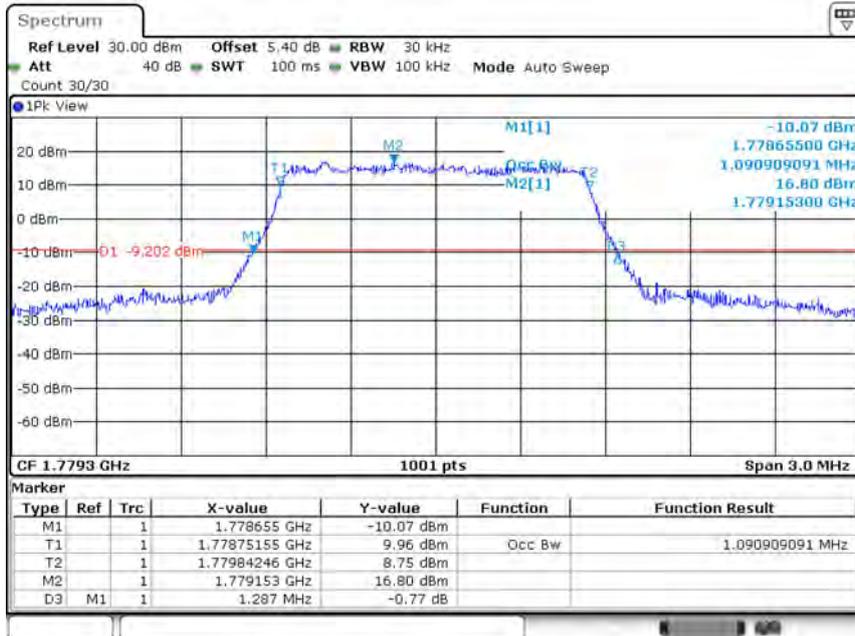


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Band66-1.4MHz-16QAM-132665-6RB#0-1.091



Date: 23 JUN 2020 13:47:18

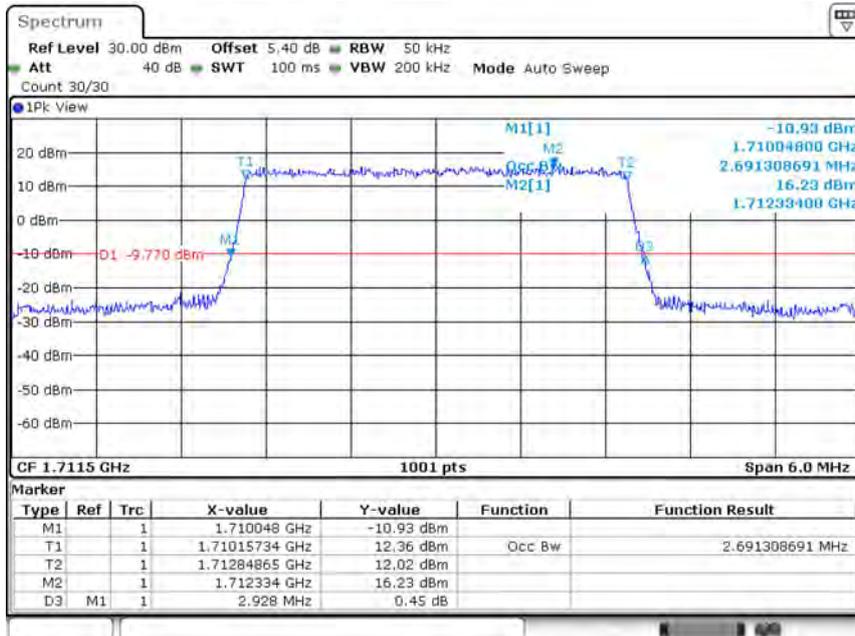
Band66-3MHz-QPSK-131987-15RB#0-2.691



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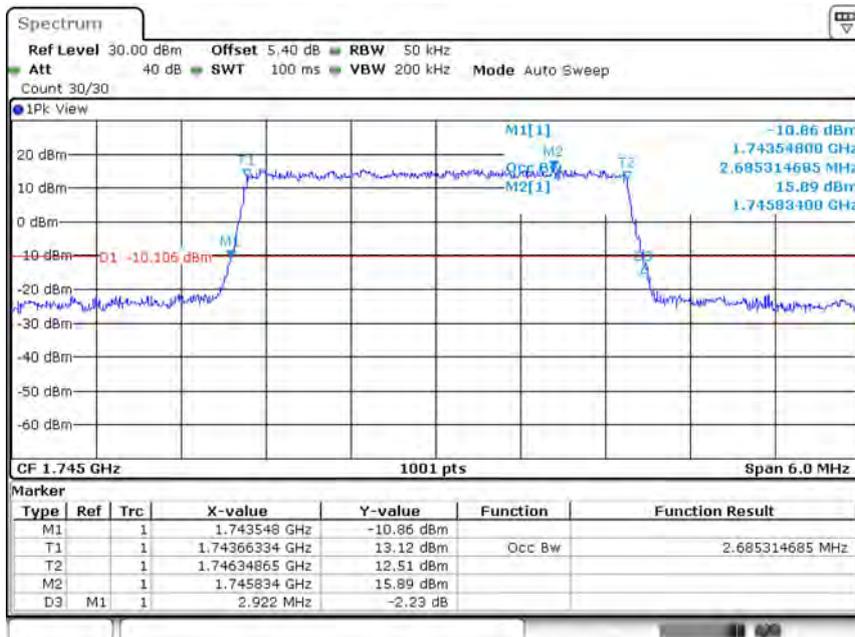
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Date: 23 JUN 2020 13:47:36

Band66-3MHz-QPSK-132322-15RB#0-2.685



Date: 23 JUN 2020 13:48:01

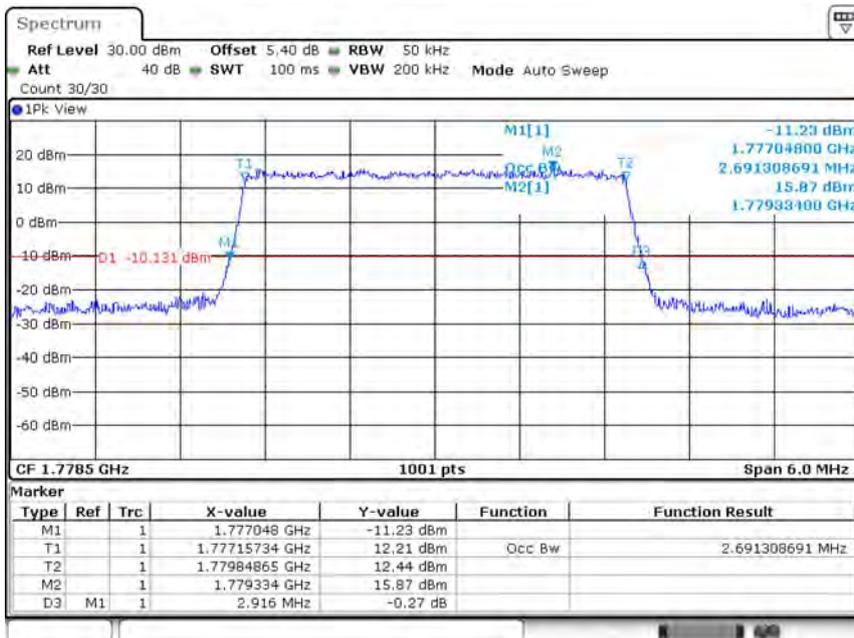
Band66-3MHz-QPSK-132657-15RB#0-2.691



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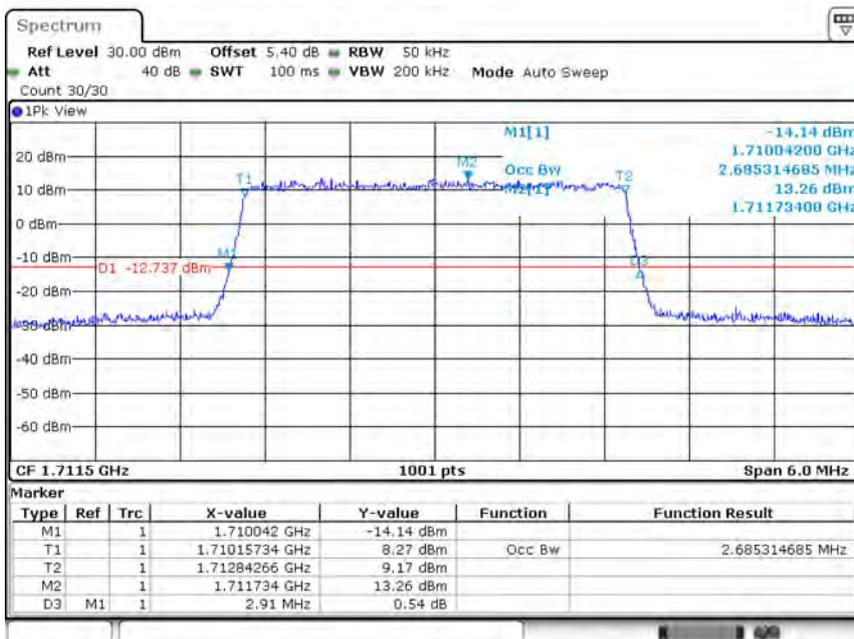
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Date: 23 JUN 2020 13:48:27

Band66-3MHz-64QAM-131987-15RB#0-2.685



Date: 24 JUN 2020 10:37:16

Band66-3MHz-64QAM-132322-15RB#0-2.685

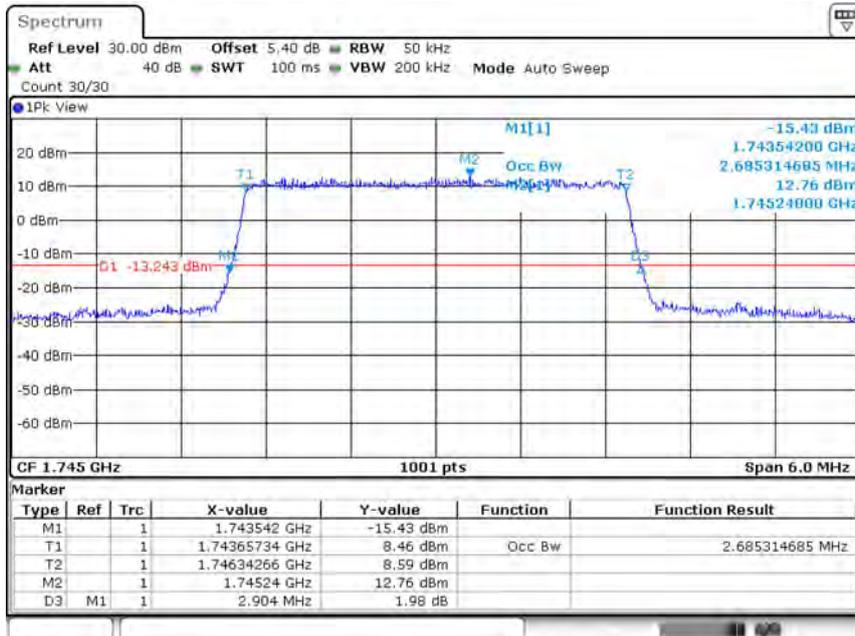


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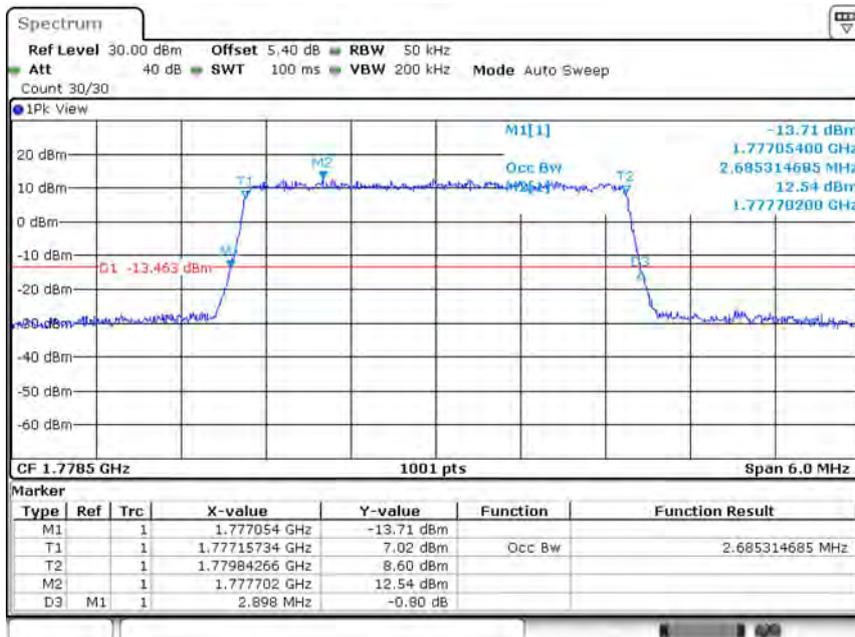
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Date: 24 JUN 2020 10:37:29

Band66-3MHz-64QAM-132657-15RB#0-2.685



Date: 24 JUN 2020 10:37:42

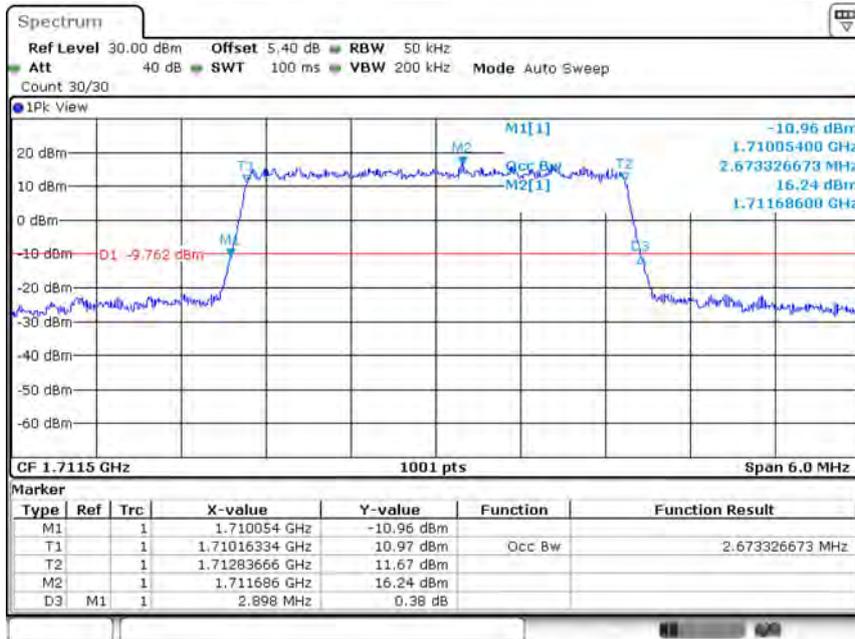
Band66-3MHz-16QAM-131987-15RB#0-2.673



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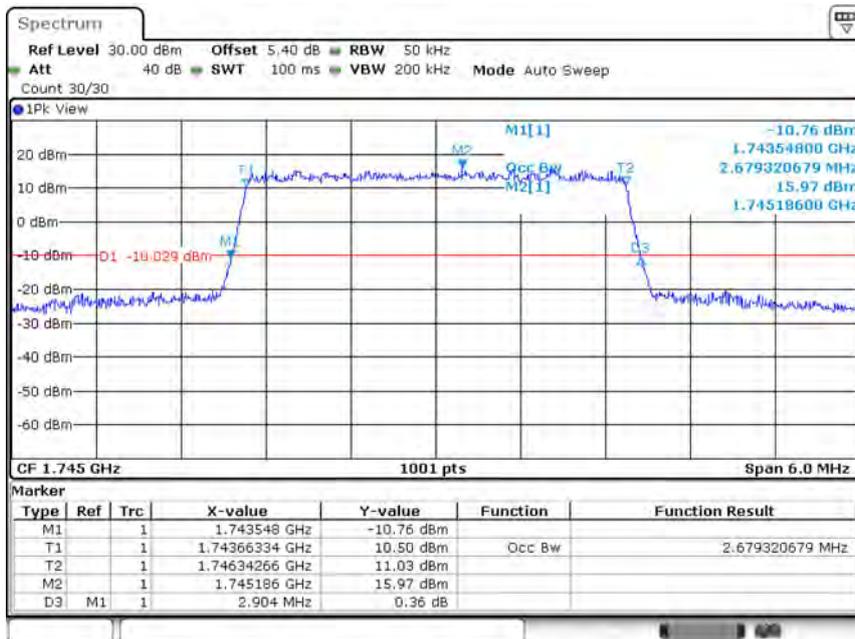
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Band66-3MHz-16QAM-132322-15RB#0-2.679



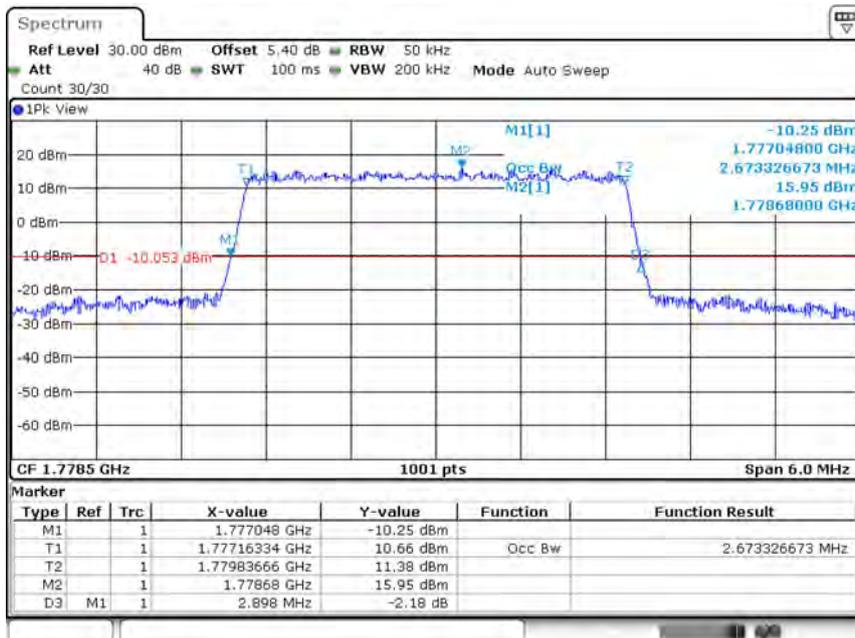
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Band66-3MHz-16QAM-132657-15RB#0-2.673



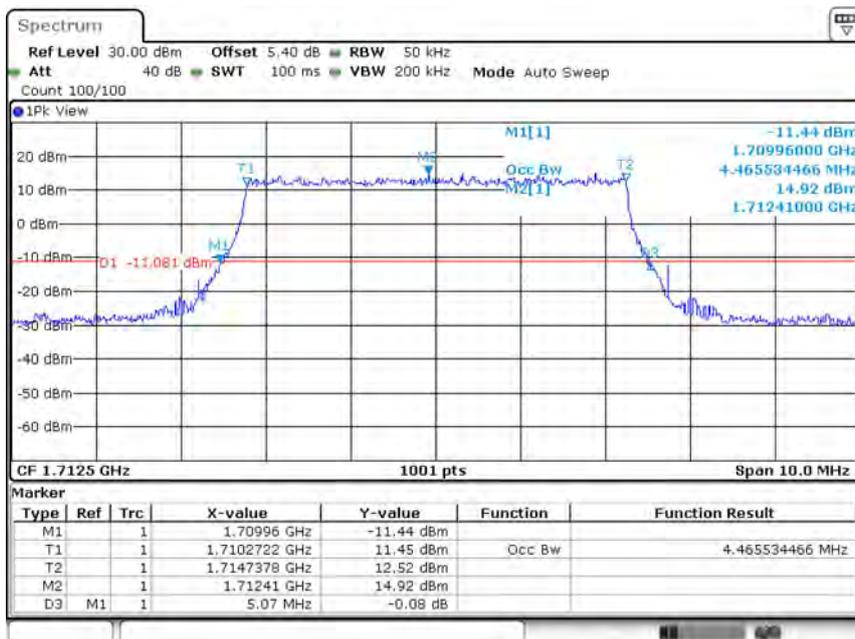
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Date: 23 JUN 2020 13:48:40

Band66-5MHz-QPSK-131997-25RB#0-4.466



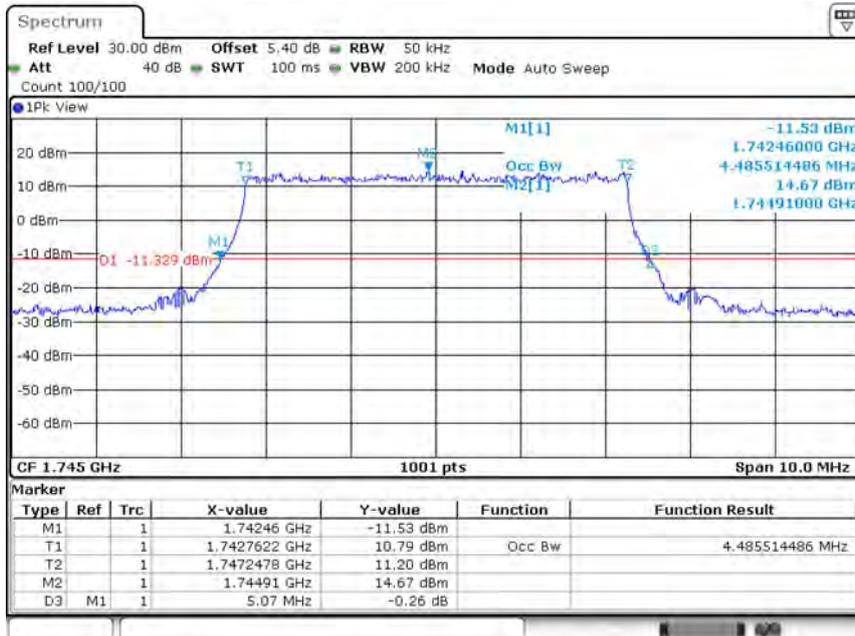
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Band66-5MHz-QPSK-132322-25RB#0-4.486



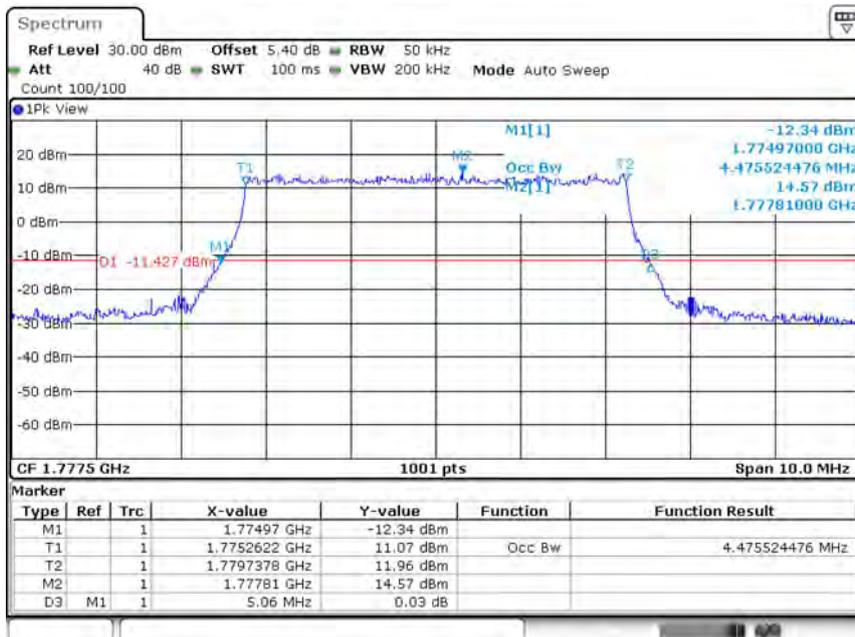
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Date: 23 JUN 2020 13:49:44

Band66-5MHz-QPSK-132647-25RB#0-4.476



Date: 23 JUN 2020 13:50:23

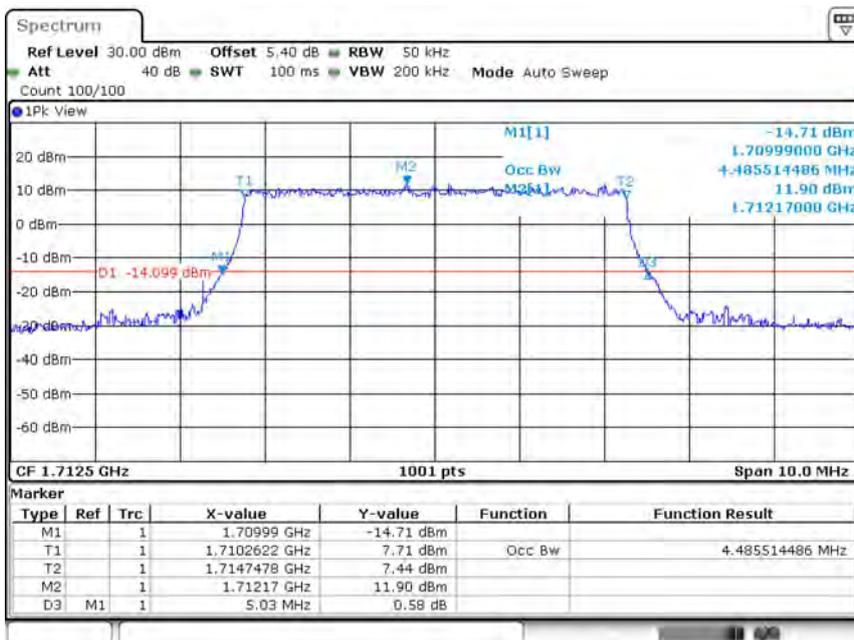
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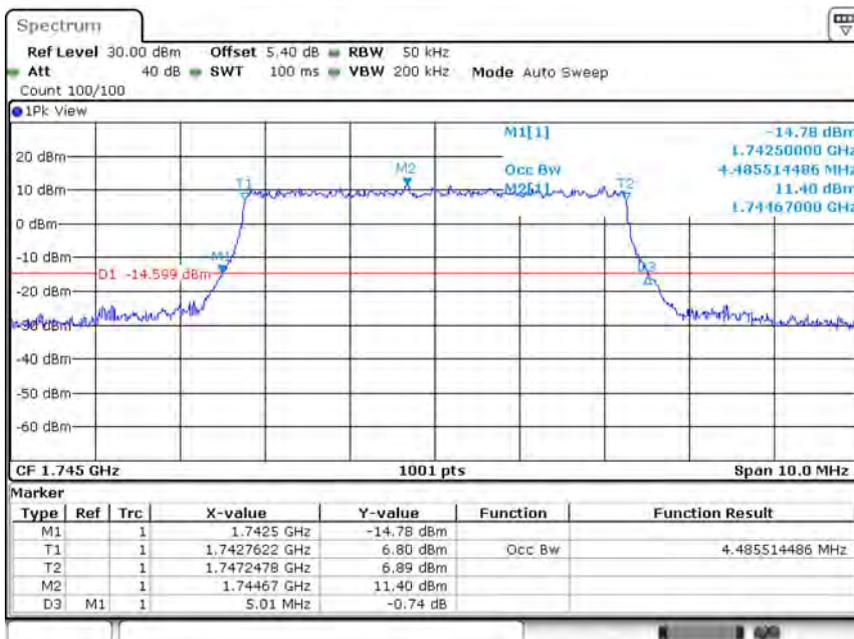
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Date: 24 JUN 2020 10:38:06

Band66-5MHz-64QAM-132322-25RB#0-4.486



Date: 24 JUN 2020 10:38:26

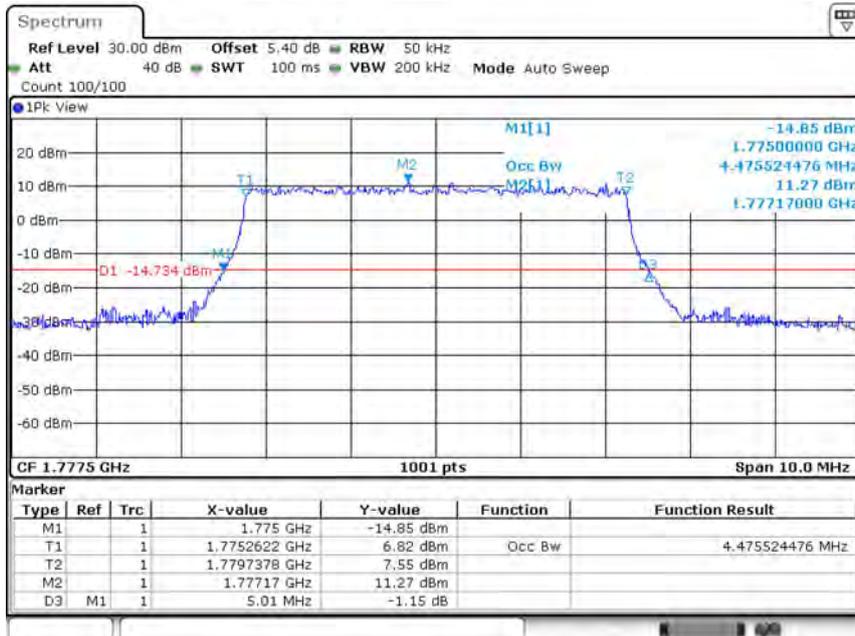
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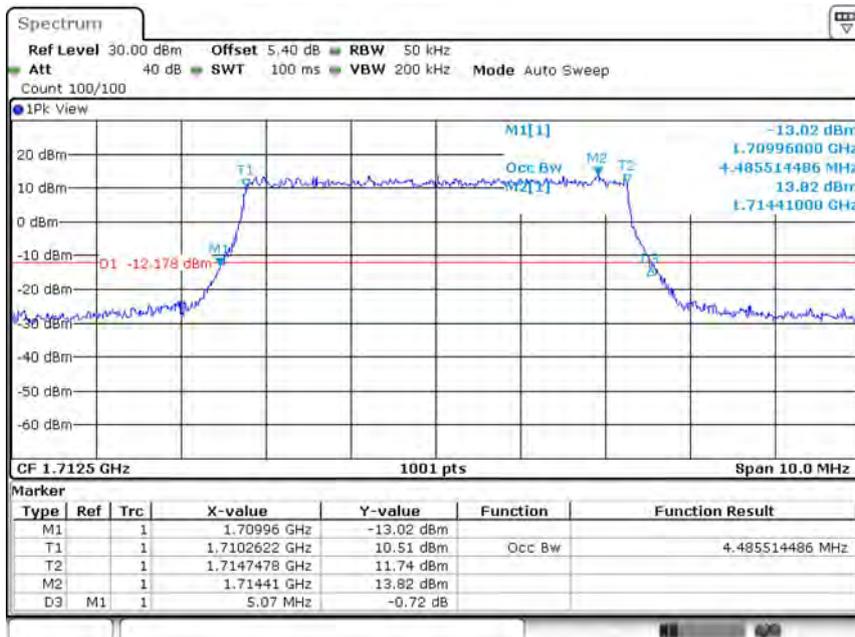
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Date: 24.JUN.2020 10:38:46

Band66-5MHz-16QAM-131997-25RB#0-4.486



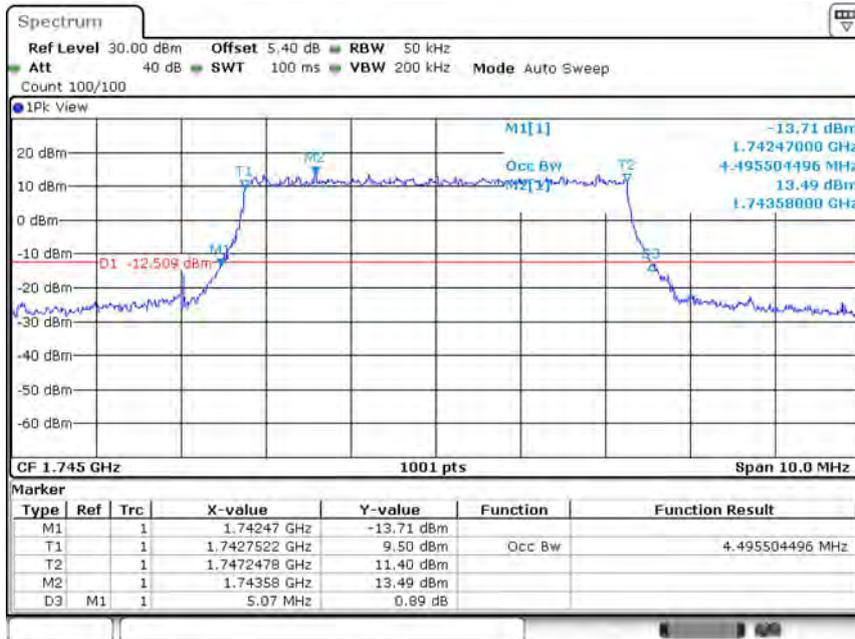
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Band66-5MHz-16QAM-132322-25RB#0-4.496



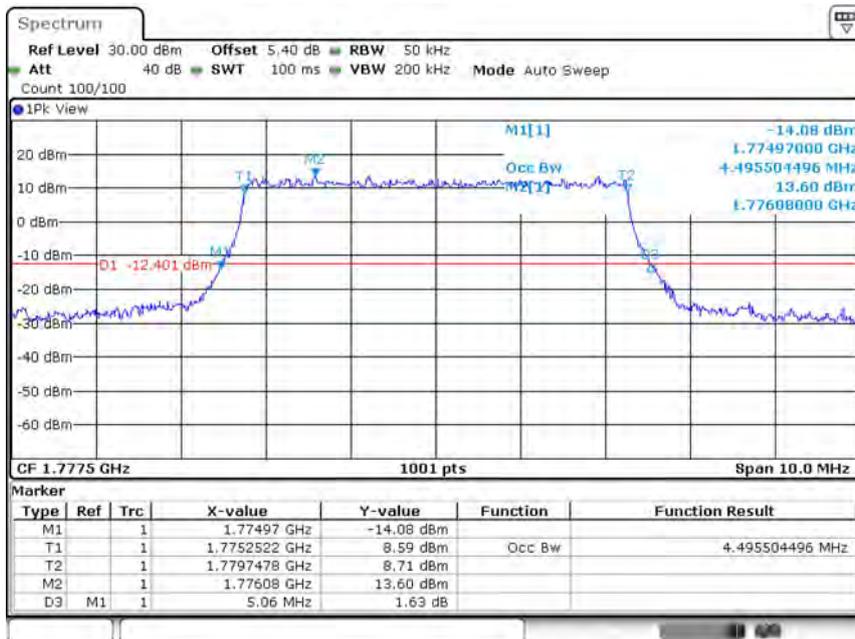
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Date: 23 JUN 2020 13:50:03

Band66-5MHz-16QAM-132647-25RB#0-4.496

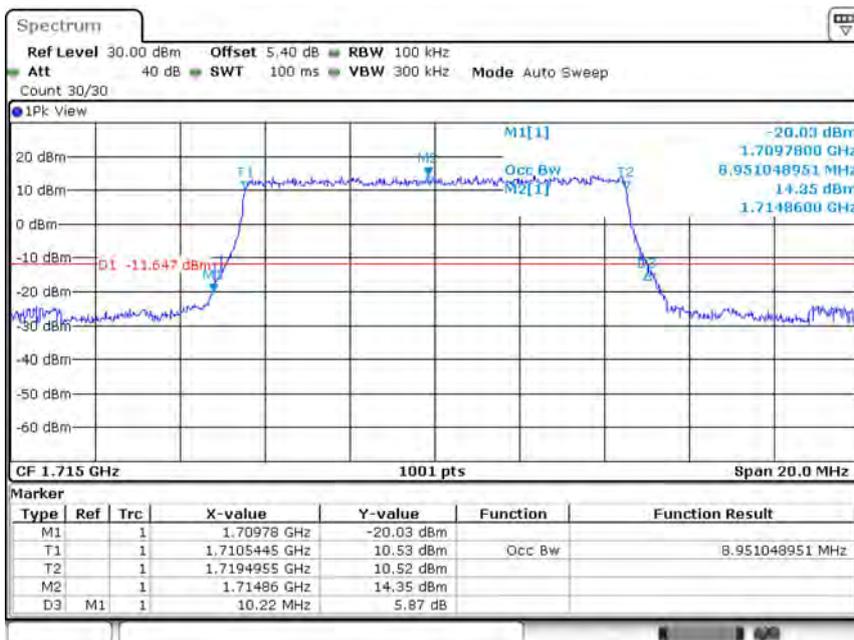


Date: 23 JUN 2020 13:50:43

Band66-10MHz-QPSK-132022-50RB#0-8.951

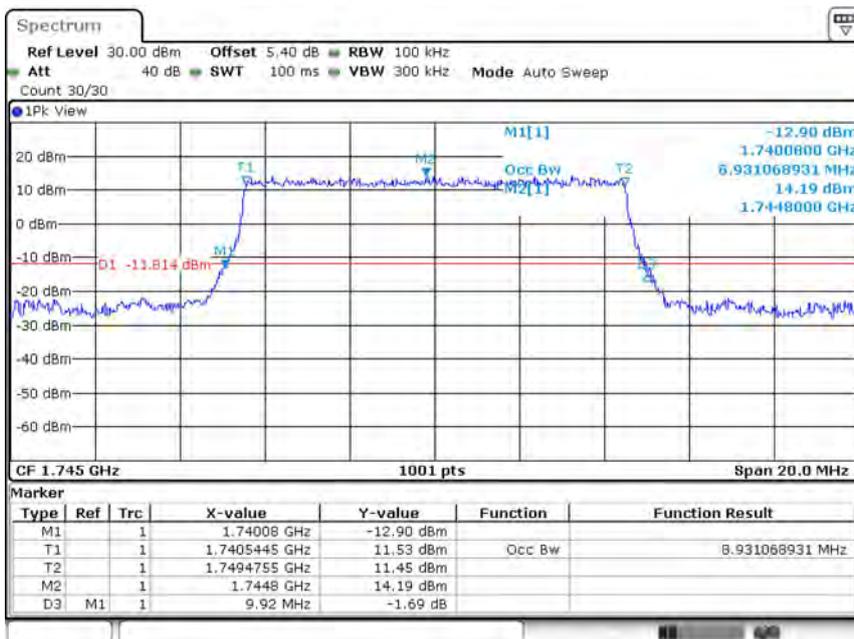


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Date: 23 JUN 2020 13:51:01

Band66-10MHz-QPSK-132322-50RB#0-8.931



Date: 23 JUN 2020 13:51:26

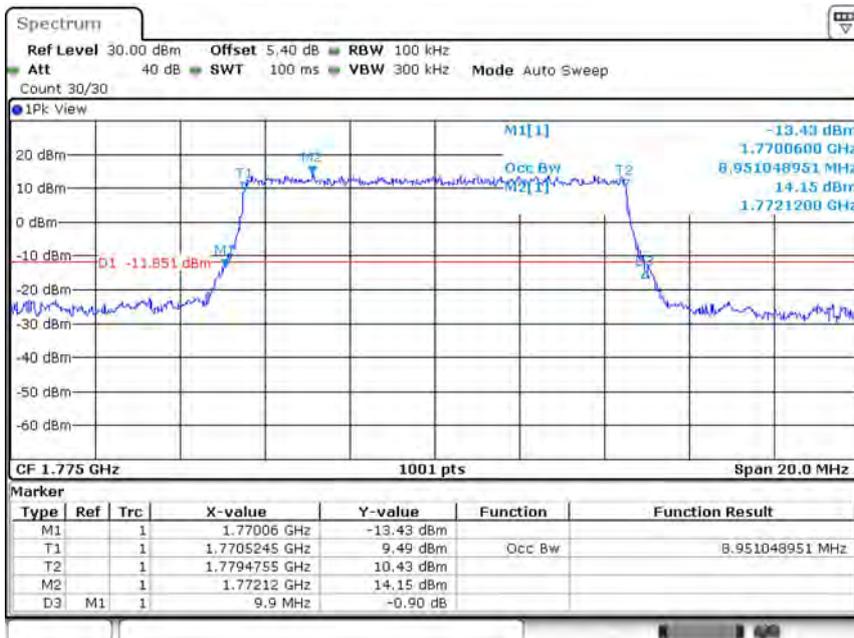
Band66-10MHz-QPSK-132622-50RB#0-8.951



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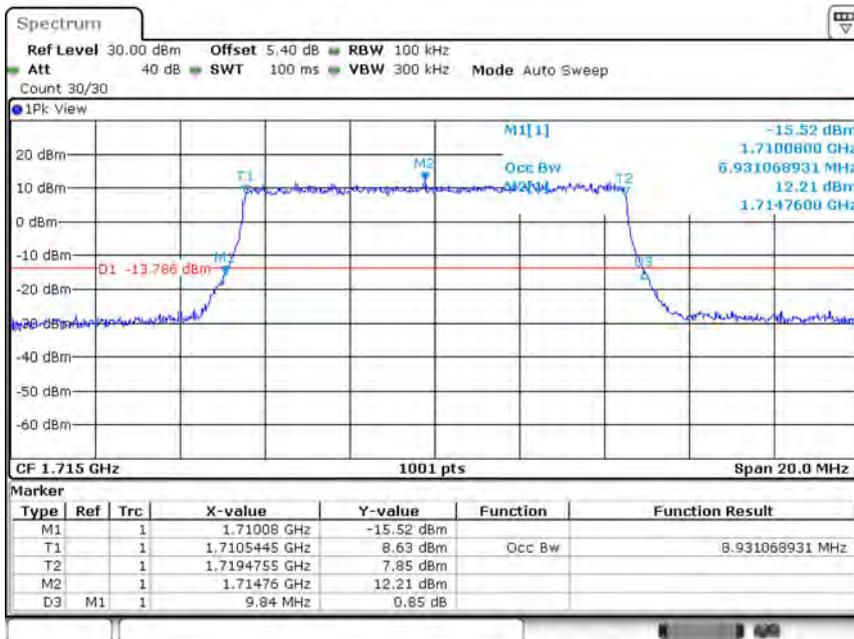
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Date: 23 JUN 2020 13:51:52

Band66-10MHz-64QAM-132022-50RB#0-8.931



Date: 24 JUN 2020 10:39:04

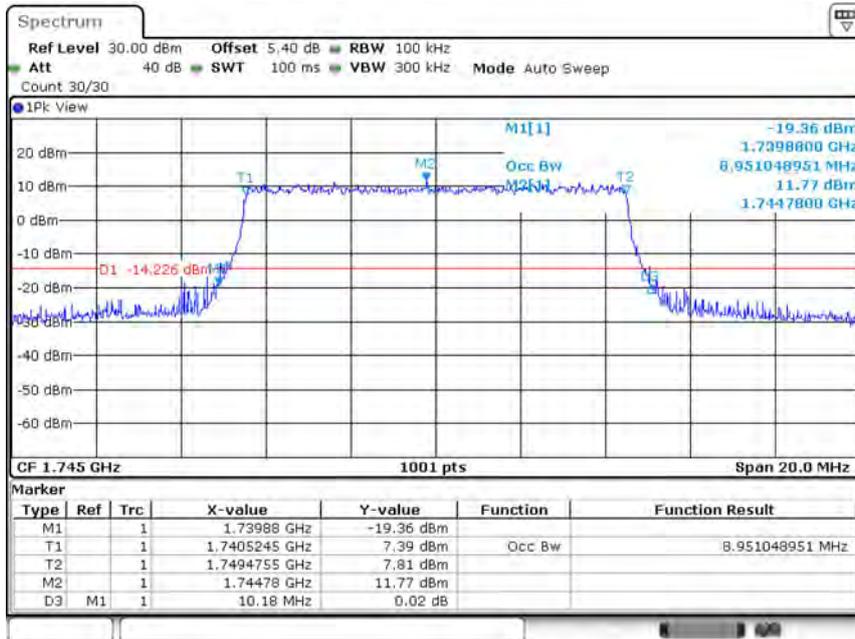
Band66-10MHz-64QAM-132322-50RB#0-8.951



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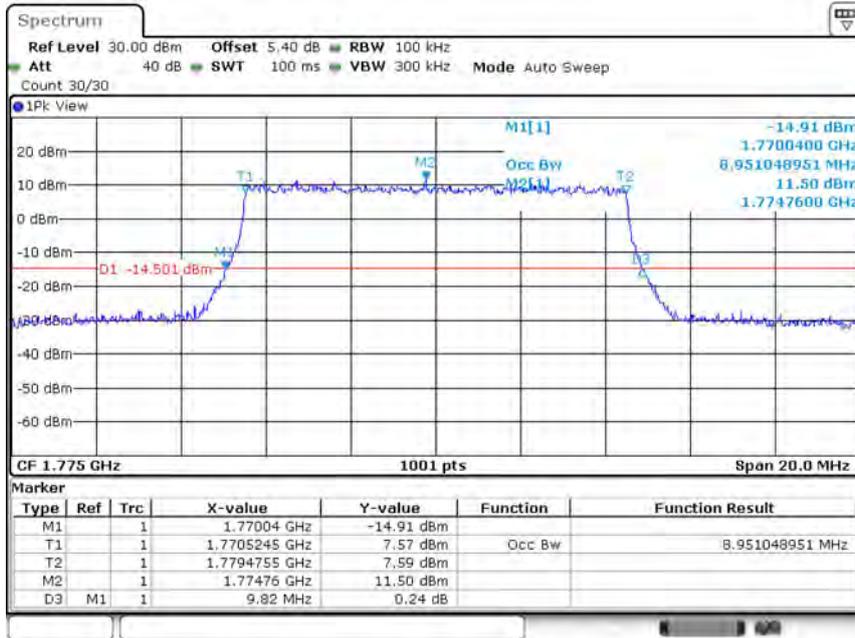
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Date: 24 JUN 2020 10:39:17

Band66-10MHz-64QAM-132622-50RB#0-8.951



Date: 24 JUN 2020 10:39:30

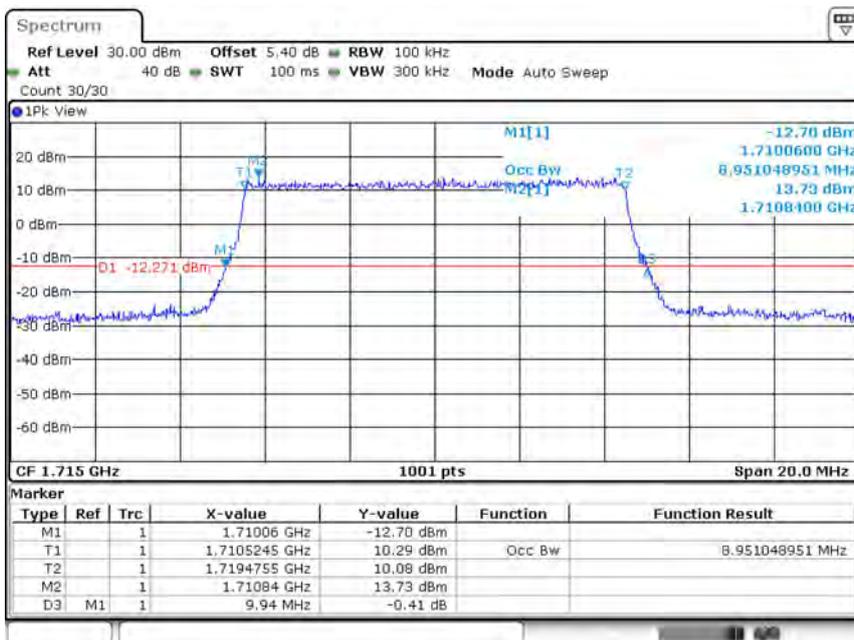
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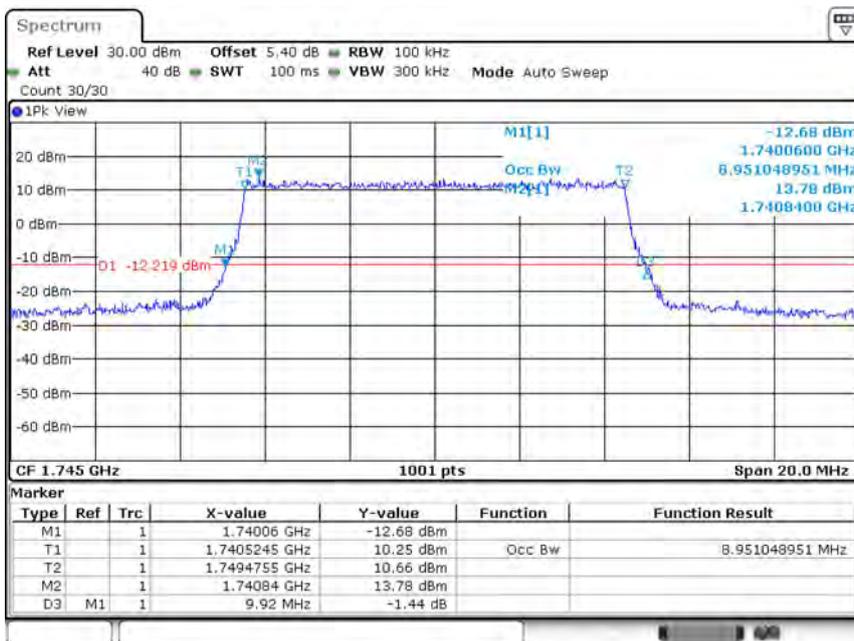
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Band66-10MHz-16QAM-132322-50RB#0-8.951

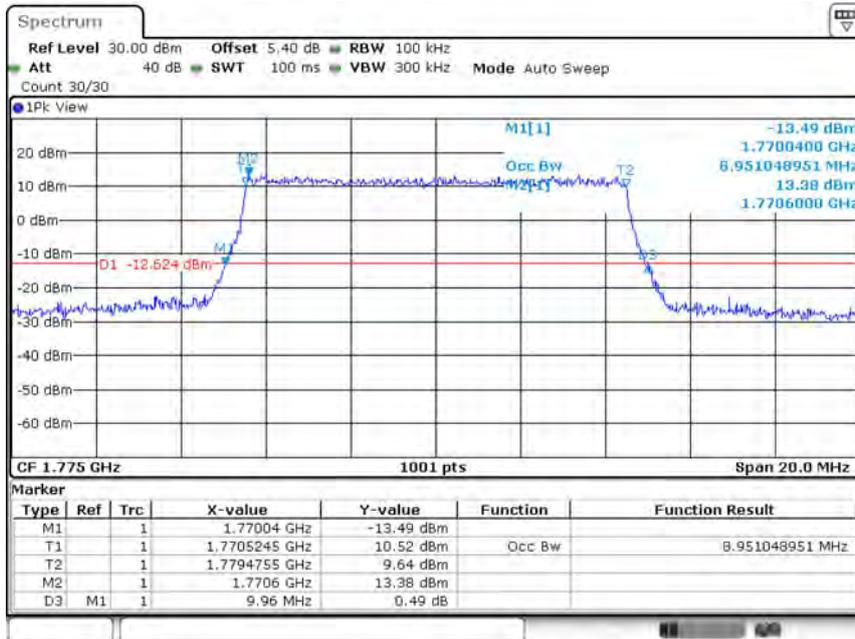


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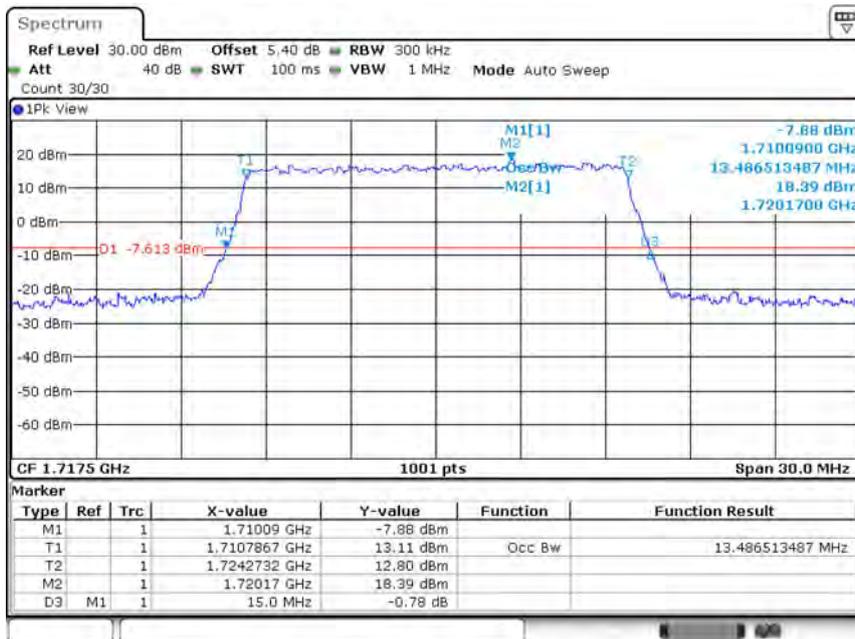


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Date: 23 JUN 2020 13:52:04

Band66-15MHz-QPSK-132047-75RB#0-13.487

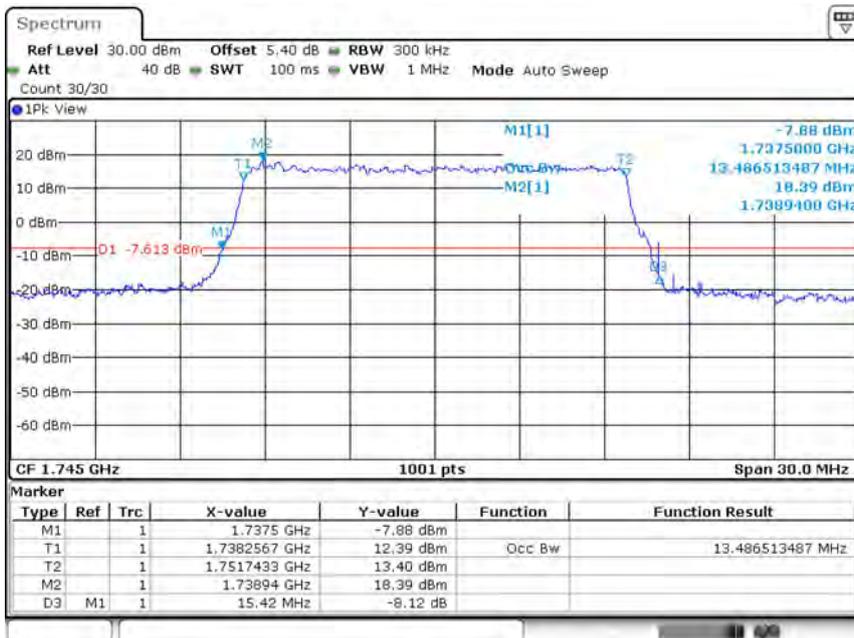


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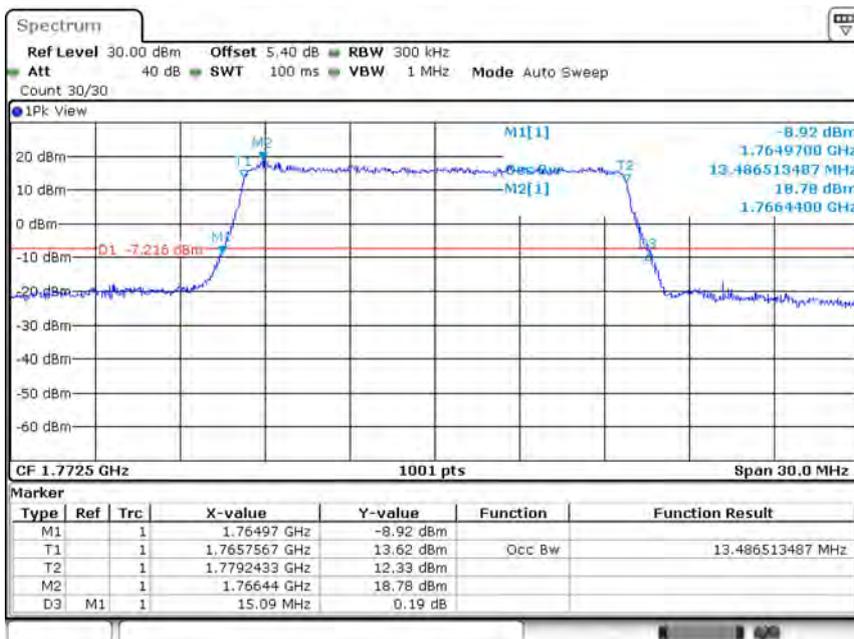


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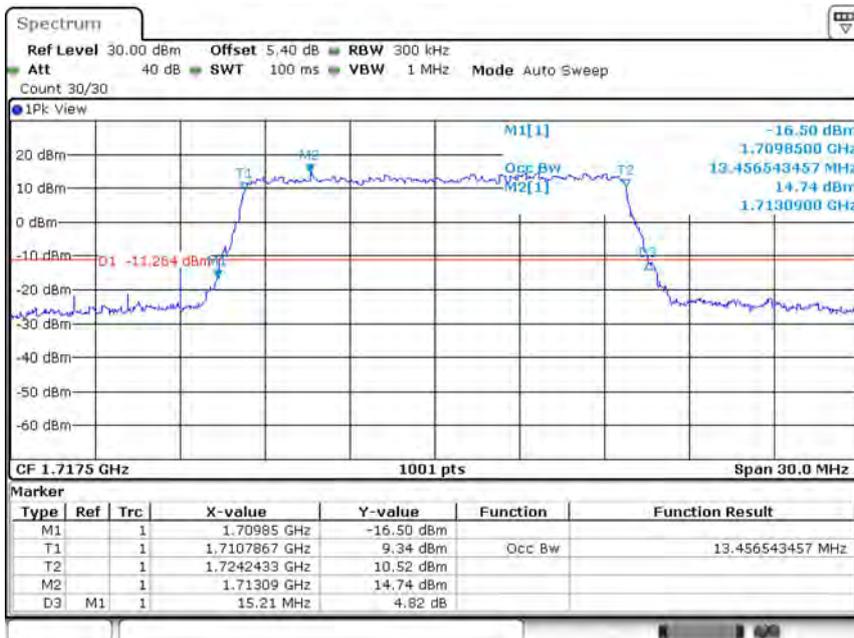


Date: 23 JUN 2020 13:53:13

Band66-15MHz-64QAM-132047-75RB#0-13.457

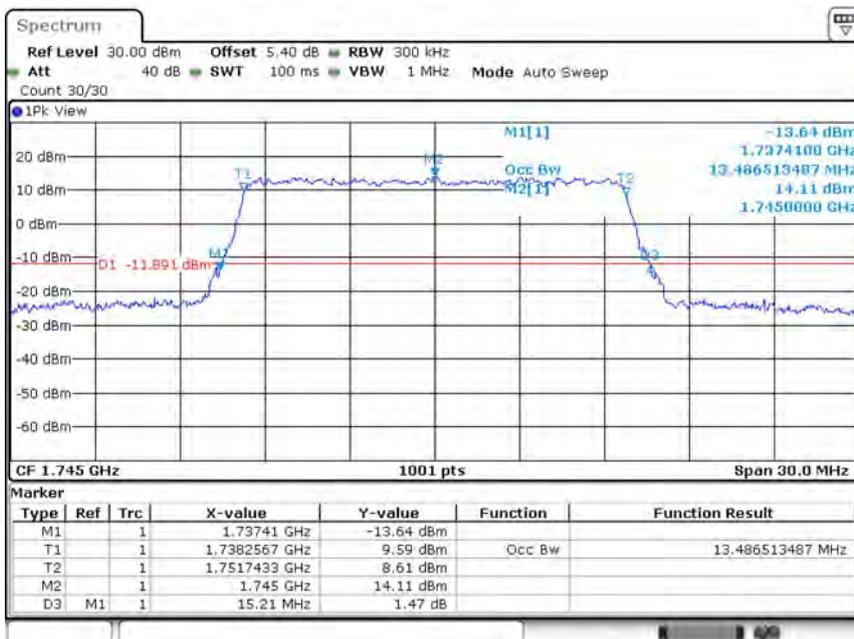


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Date: 24 JUN 2020 10:39:48

Band66-15MHz-64QAM-132322-75RB#0-13.487



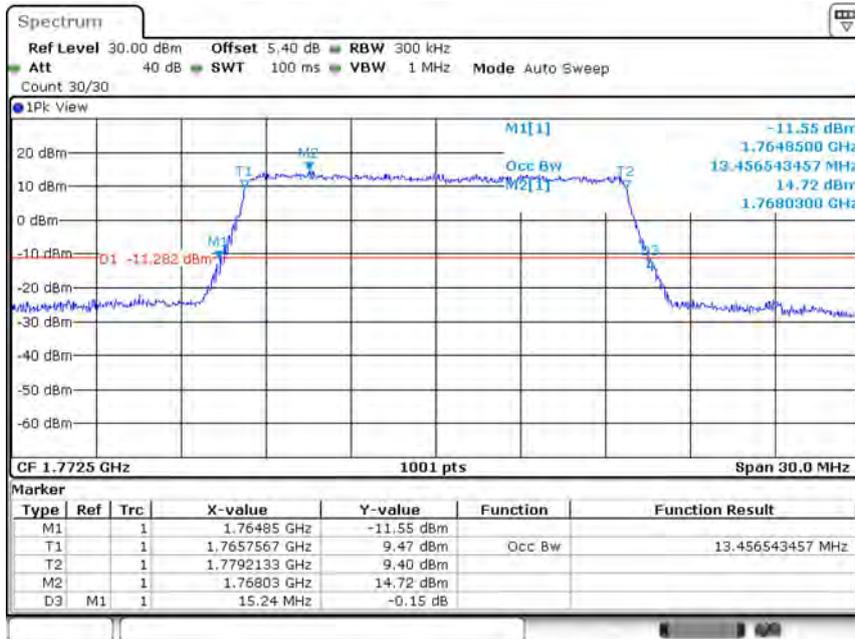
Date: 24 JUN 2020 10:40:01

Band66-15MHz-64QAM-132597-75RB#0-13.457



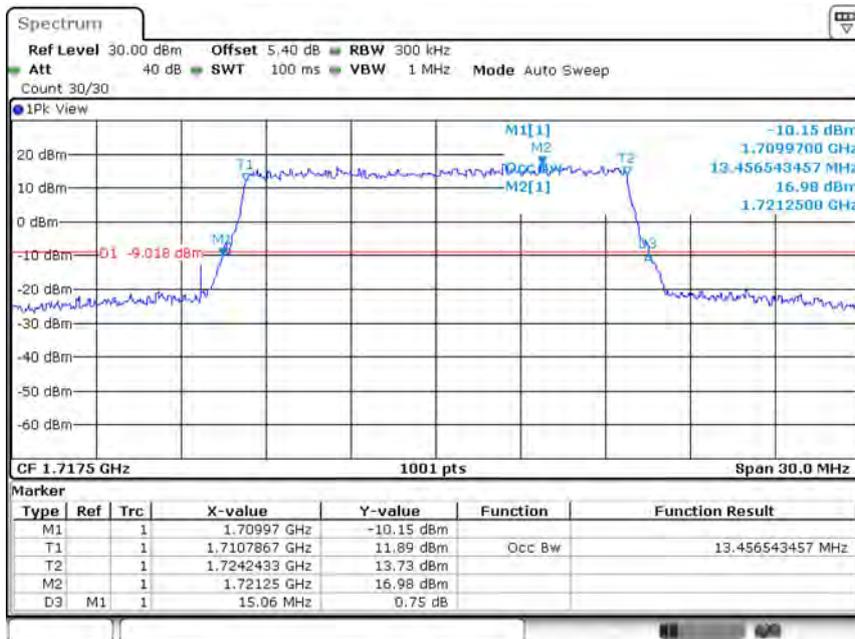
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Date: 24 JUN 2020 10:40:14

Band66-15MHz-16QAM-132047-75RB#0-13.457



Date: 23 JUN 2020 13:52:35

Band66-15MHz-16QAM-132322-75RB#0-13.487

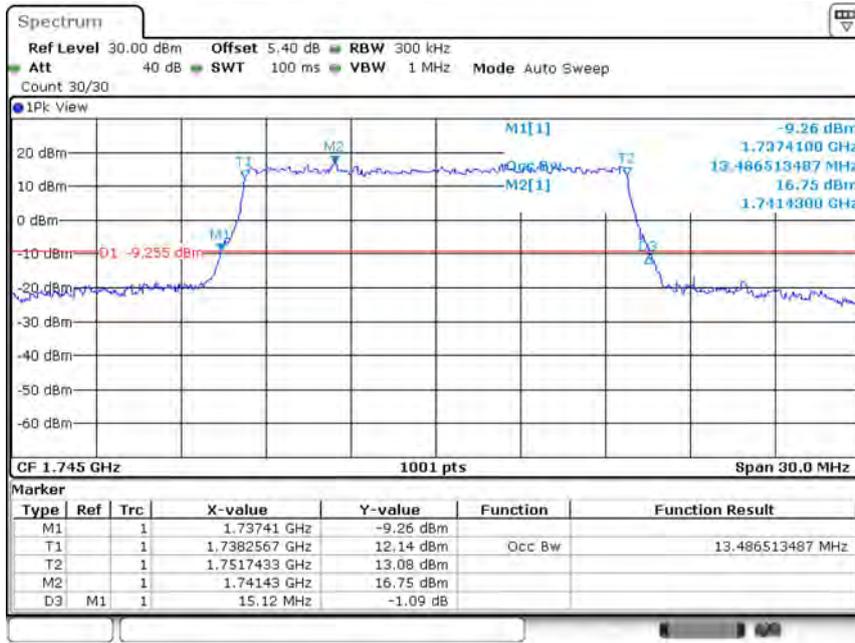


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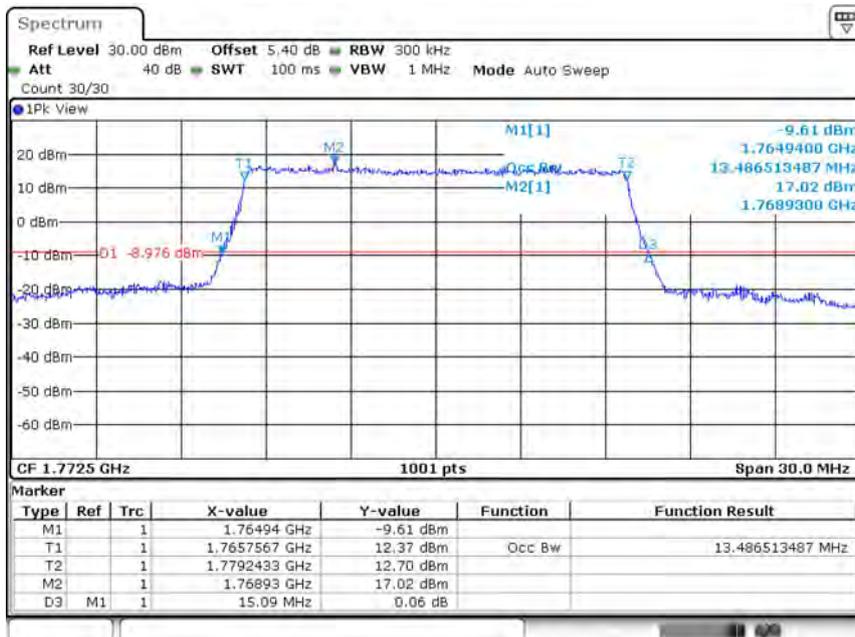
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Date: 23 JUN 2020 13:53:00

Band66-15MHz-16QAM-132597-75RB#0-13.487



Date: 23 JUN 2020 13:53:26

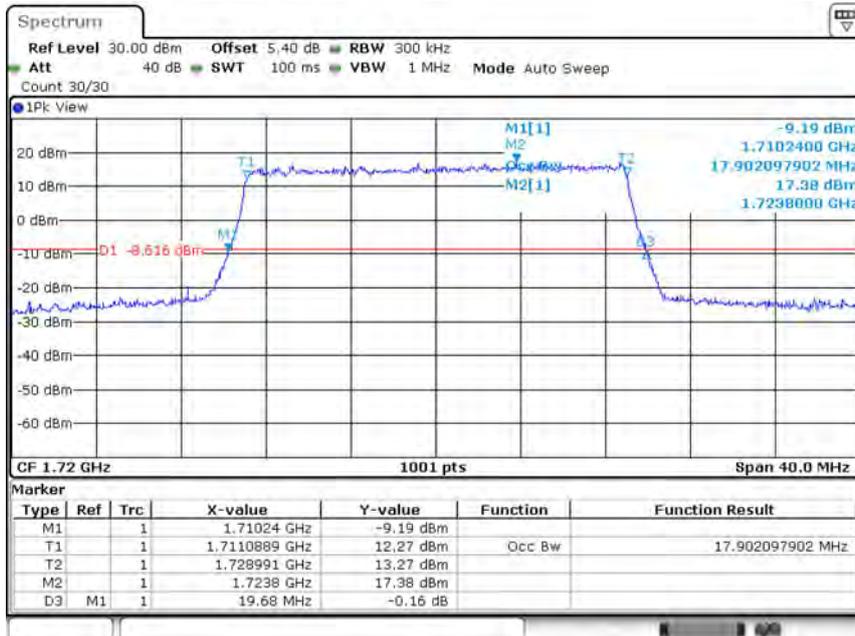
Band66-20MHz-QPSK-132072-100RB#0-17.902



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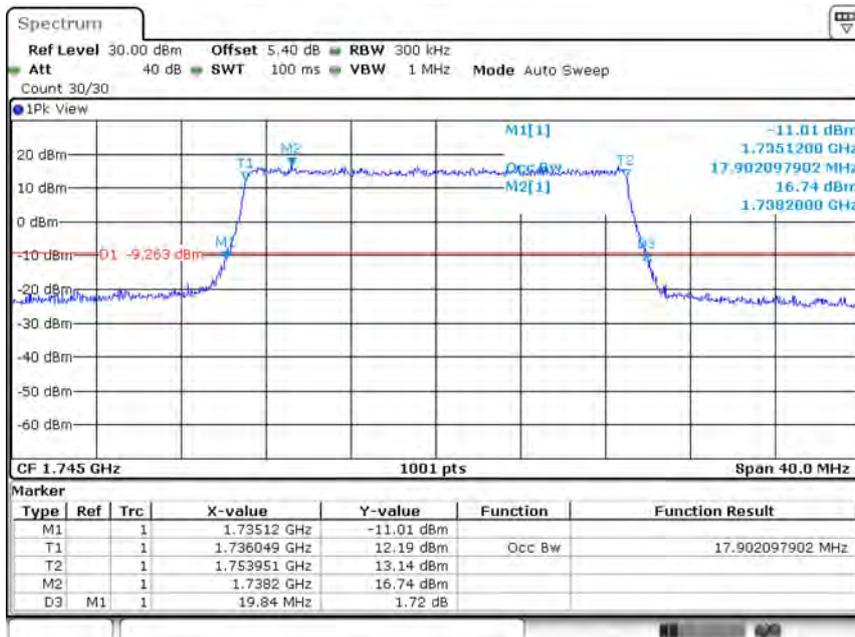
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Date 23 JUN 2020 13:53:43

Band66-20MHz-QPSK-132322-100RB#0-17.902



Date 23 JUN 2020 13:54:09

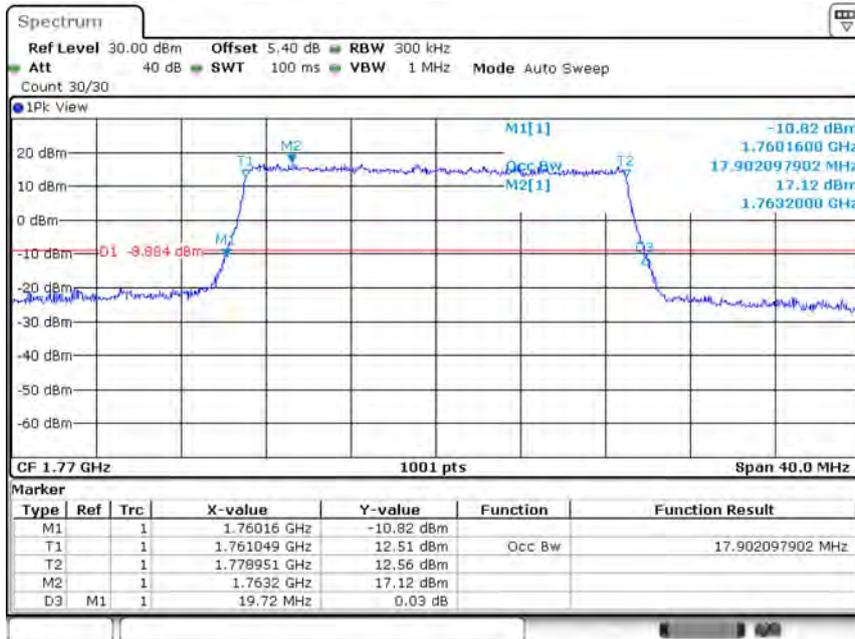
Band66-20MHz-QPSK-132572-100RB#0-17.902



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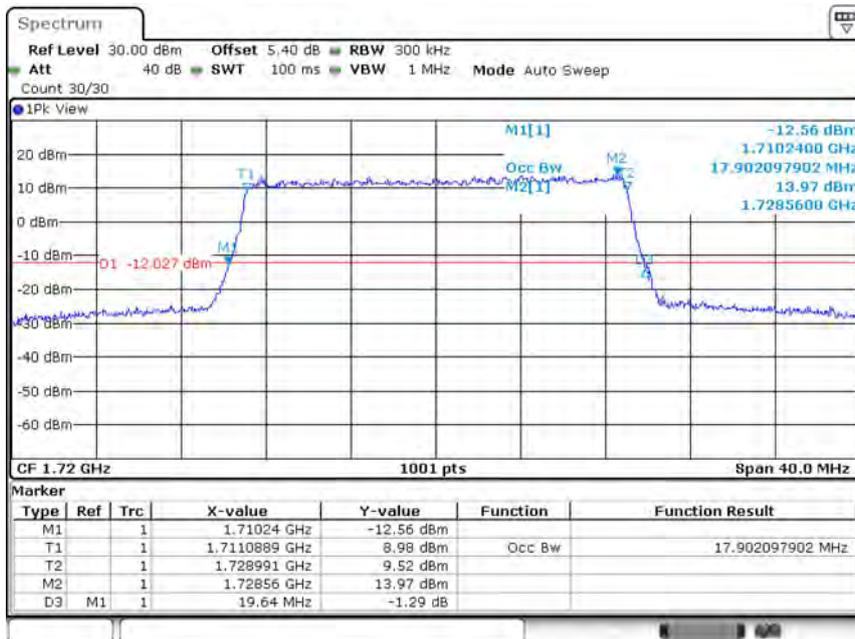
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Date: 23 JUN 2020 13:54:35

Band66-20MHz-64QAM-132072-100RB#0-17.902



Date: 24 JUN 2020 10:40:31

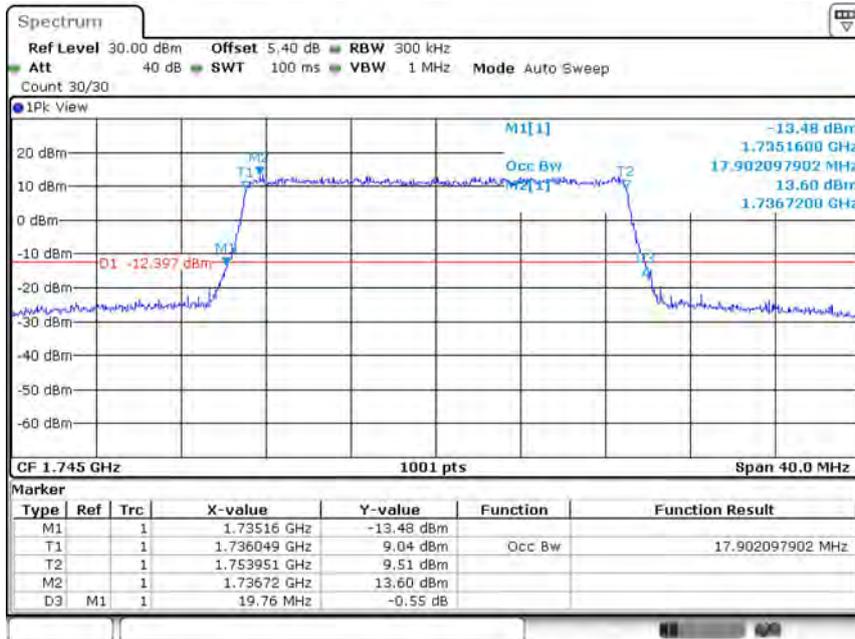
Band66-20MHz-64QAM-132322-100RB#0-17.902



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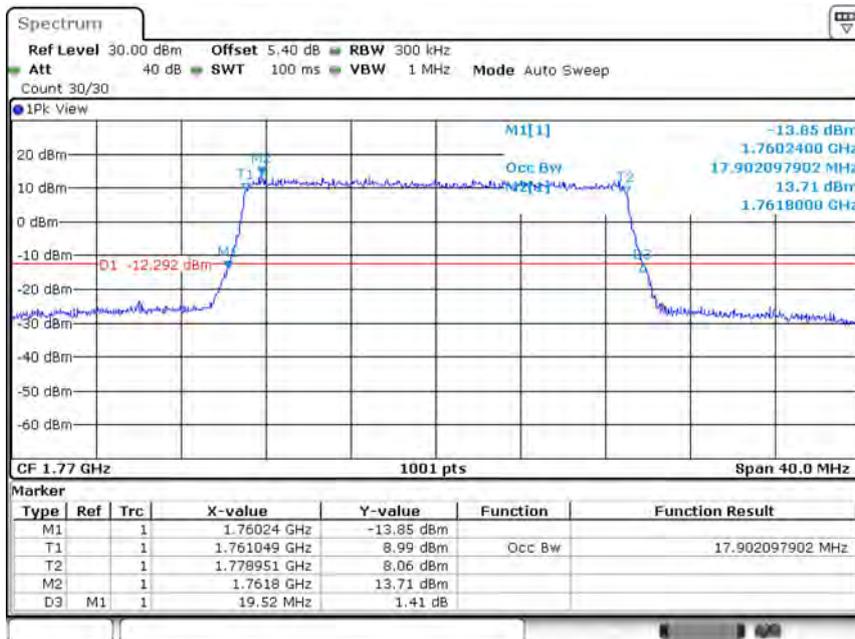
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Date: 24 JUN 2020 10:40:44

Band66-20MHz-64QAM-132572-100RB#0-17.902

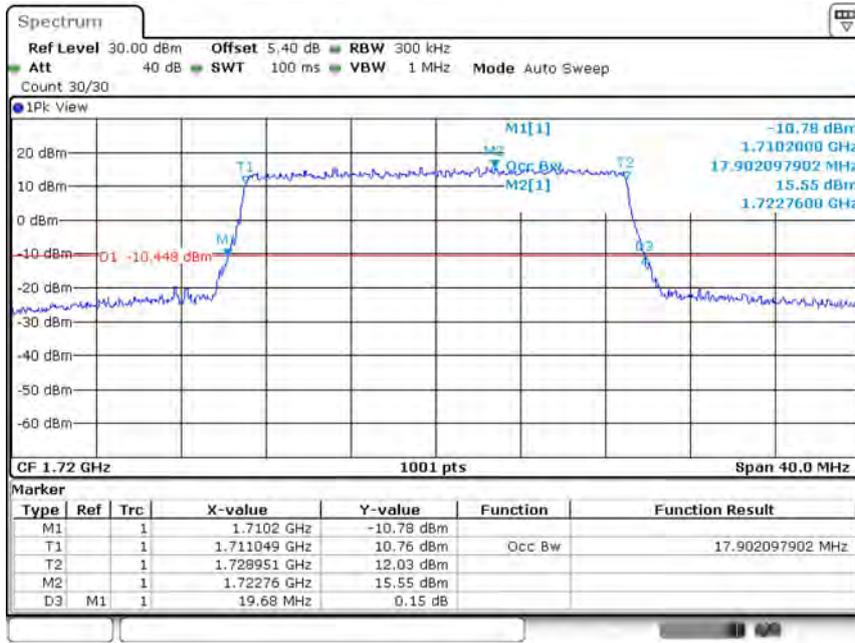


Date: 24 JUN 2020 10:40:57

Band66-20MHz-16QAM-132072-100RB#0-17.902

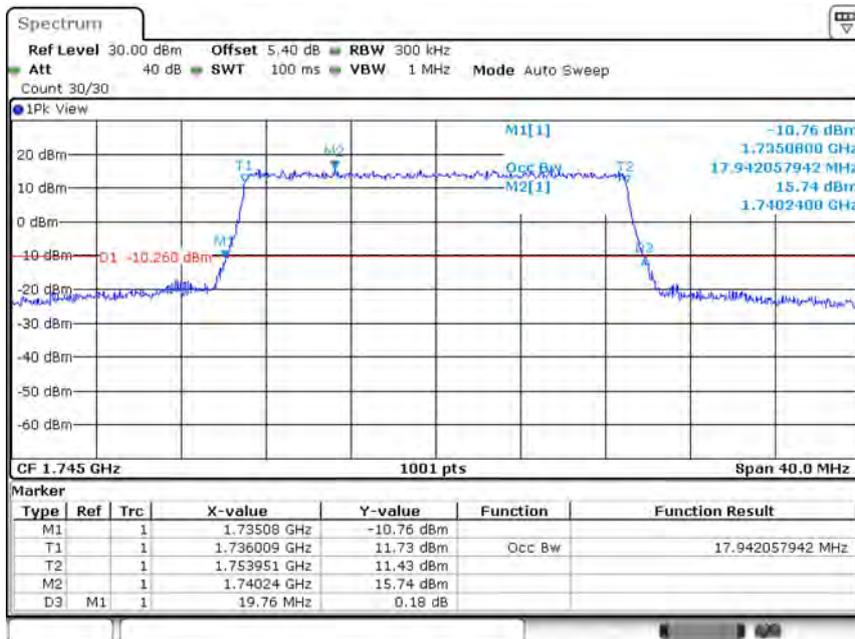


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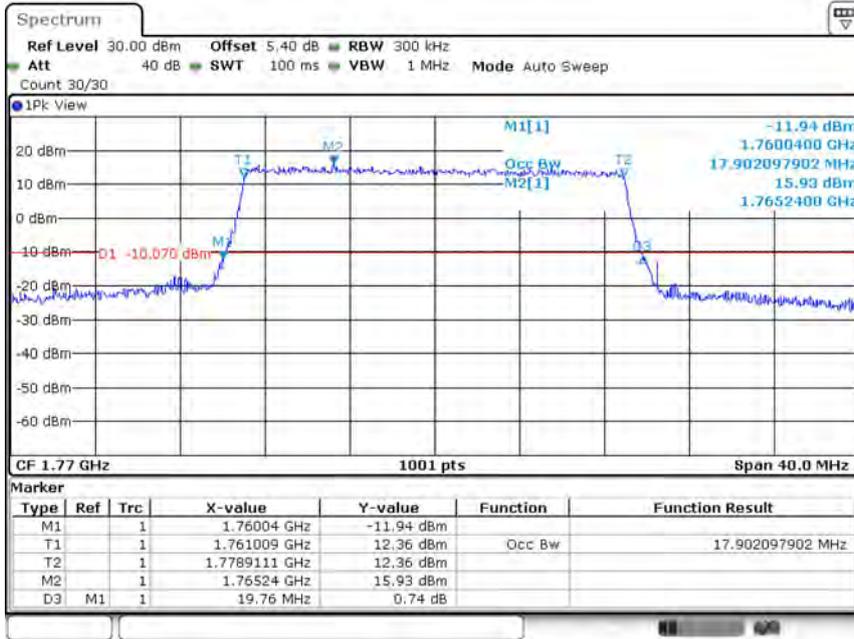


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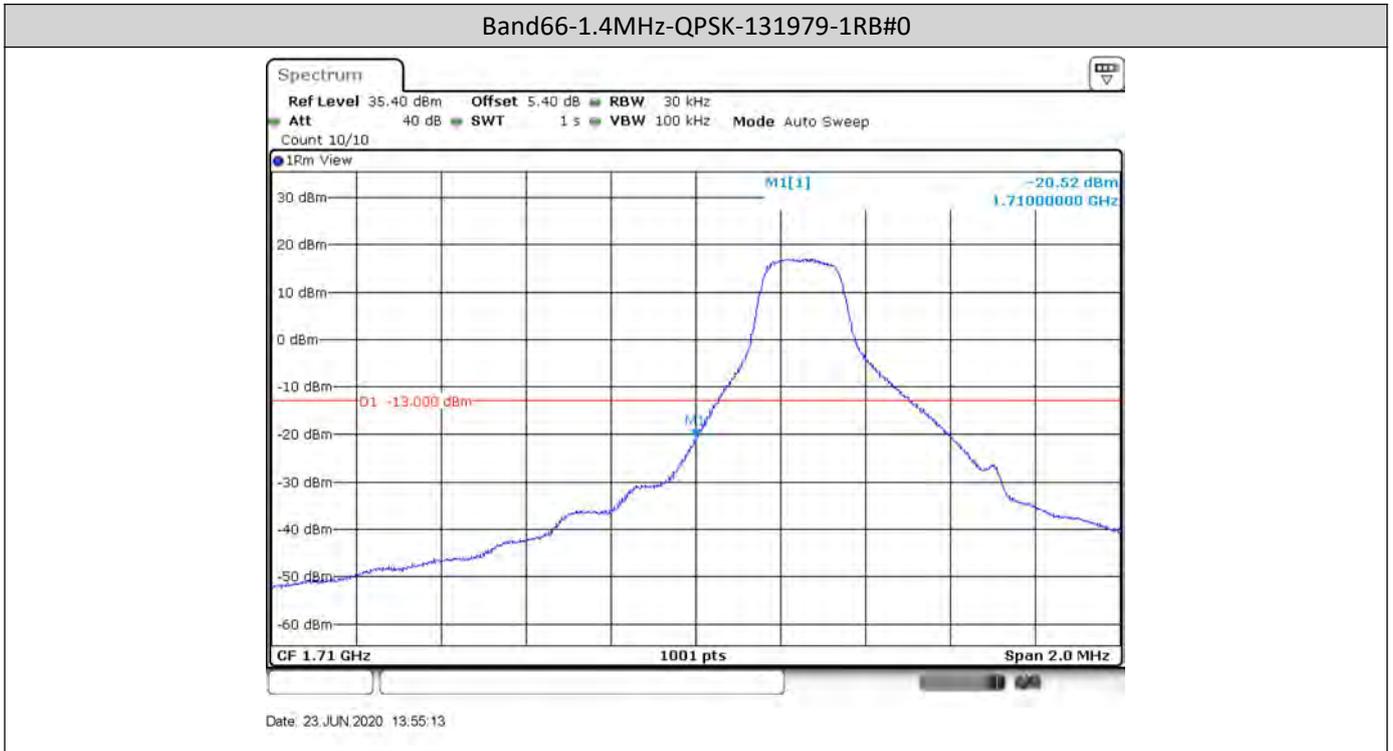


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5. Band Edge Compliance

5.1. Test Plots



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Band66-1.4MHz-QPSK-131979-6RB#0



Date: 23 JUN 2020 13:55:54

Band66-1.4MHz-QPSK-132665-1RB#5



Date: 23 JUN 2020 13:56:39

Band66-1.4MHz-QPSK-132665-6RB#0



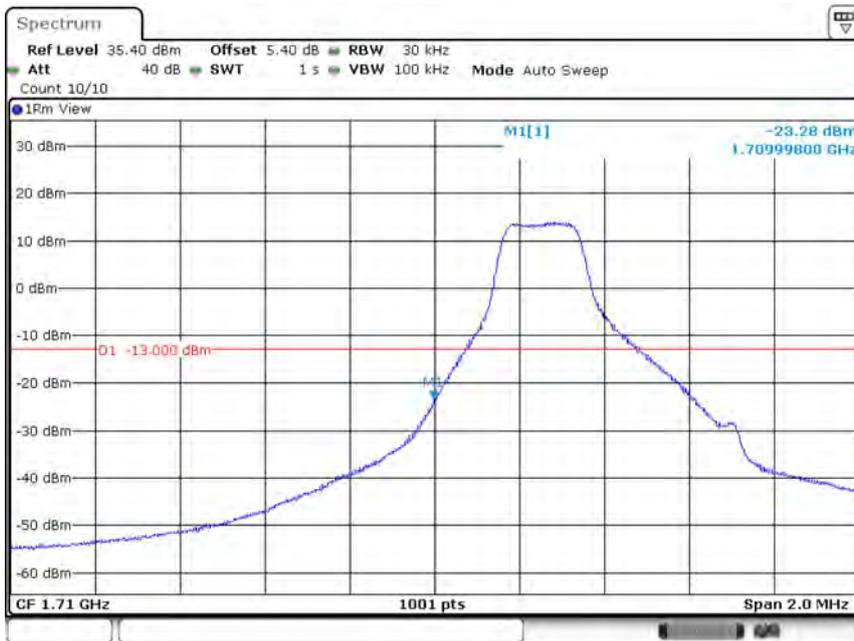
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Date: 23 JUN 2020 13:57:21

Band66-1.4MHz-64QAM-131979-1RB#0



Date: 24 JUN 2020 10:41:23

Band66-1.4MHz-64QAM-131979-6RB#0



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Date: 24 JUN 2020 10:41:43

Band66-1.4MHz-64QAM-132665-1RB#5



Date: 24 JUN 2020 10:42:09

Band66-1.4MHz-64QAM-132665-6RB#0



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Date: 24 JUN 2020 10:42:29

Band66-1.4MHz-16QAM-131979-1RB#0



Date: 23 JUN 2020 13:55:33

Band66-1.4MHz-16QAM-131979-6RB#0

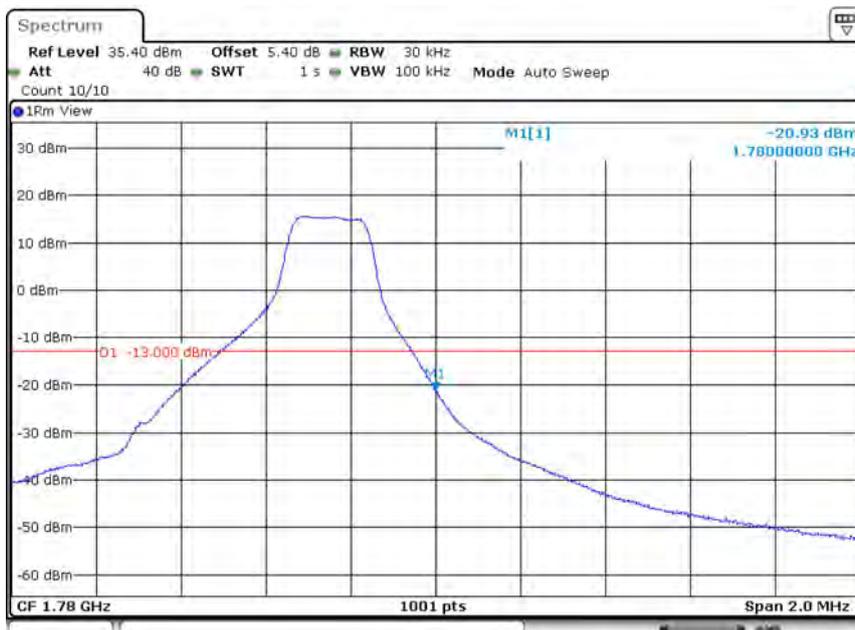


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Date: 23 JUN 2020 13:56:15

Band66-1.4MHz-16QAM-132665-1RB#5



Date: 23 JUN 2020 13:57:00

Band66-1.4MHz-16QAM-132665-6RB#0



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Date: 23 JUN 2020 13:57:41

Band66-3MHz-QPSK-131987-1RB#0



Date: 23 JUN 2020 13:58:06

Band66-3MHz-QPSK-131987-15RB#0



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Date: 23 JUN 2020 13:58:47

Band66-3MHz-QPSK-132657-1RB#14



Date: 23 JUN 2020 13:59:33

Band66-3MHz-QPSK-132657-15RB#0

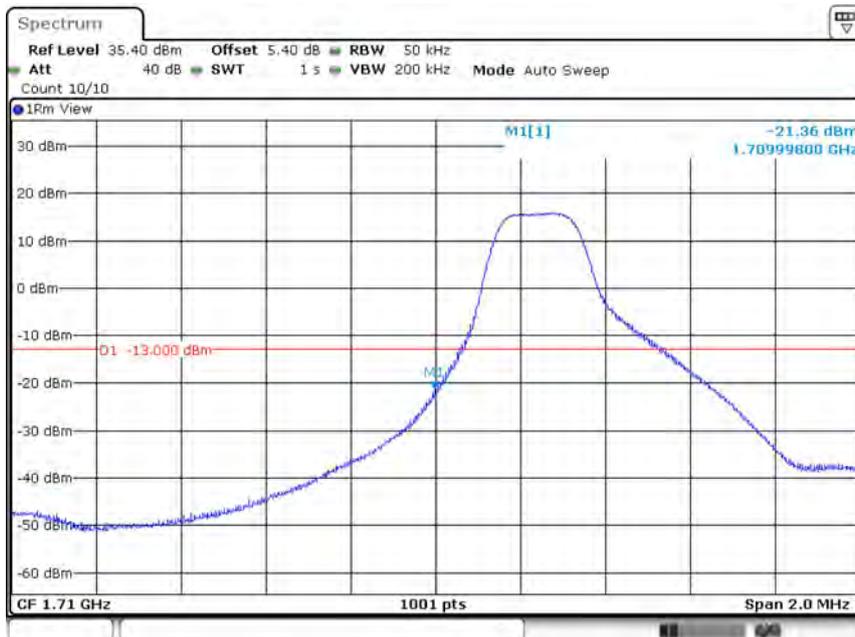


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Date: 23 JUN 2020 14:00:14

Band66-3MHz-64QAM-131987-1RB#0



Date: 24 JUN 2020 10:42:55

Band66-3MHz-64QAM-131987-15RB#0



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Date: 24 JUN 2020 10:43:15

Band66-3MHz-64QAM-132657-1RB#14



Date: 24 JUN 2020 10:43:40

Band66-3MHz-64QAM-132657-15RB#0



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Date: 24 JUN 2020 10:44:01

Band66-3MHz-16QAM-131987-1RB#0

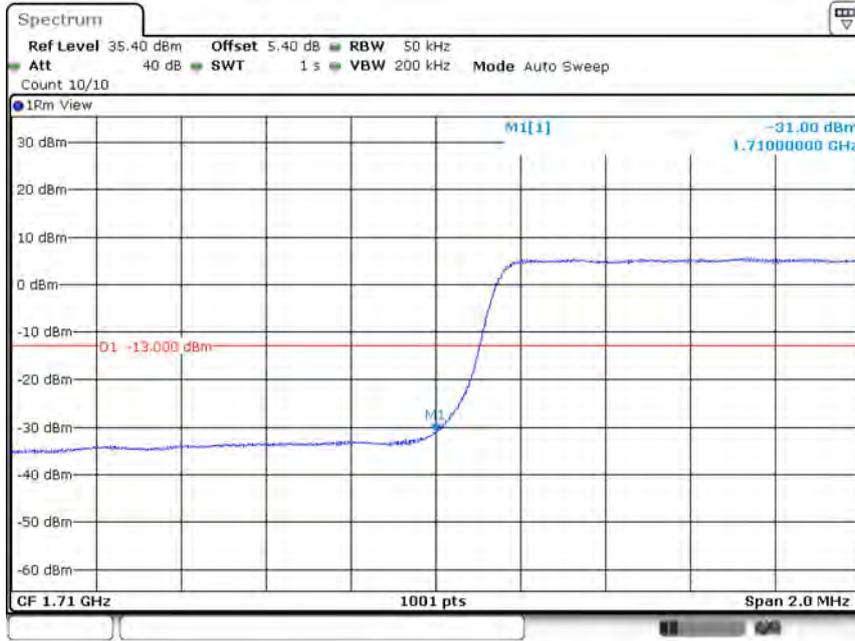


Date: 23 JUN 2020 13:58:27

Band66-3MHz-16QAM-131987-15RB#0



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Date: 23 JUN 2020 13:59:08

Band66-3MHz-16QAM-132657-1RB#14



Date: 23 JUN 2020 13:59:53

Band66-3MHz-16QAM-132657-15RB#0



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Date: 23 JUN 2020 14:00:35

Band66-5MHz-QPSK-131997-1RB#0



Date: 28 JUN 2020 10:28:39

Band66-5MHz-QPSK-131997-25RB#0



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Date: 23 JUN 2020 14:19:52

Band66-5MHz-QPSK-132647-1RB#24



Date: 23 JUN 2020 14:02:26

Band66-5MHz-QPSK-132647-25RB#0



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Date: 23 JUN 2020 14:03:08

Band66-5MHz-64QAM-131997-1RB#0



Date: 28 JUN 2020 10:30:08

Band66-5MHz-64QAM-131997-25RB#0



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Date: 24 JUN 2020 10:44:47

Band66-5MHz-64QAM-132647-1RB#24



Date: 24 JUN 2020 10:45:12

Band66-5MHz-64QAM-132647-25RB#0



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Date: 24 JUN 2020 10:45:32

Band66-5MHz-16QAM-131997-1RB#0



Date: 28 JUN 2020 10:29:36

Band66-5MHz-16QAM-131997-25RB#0

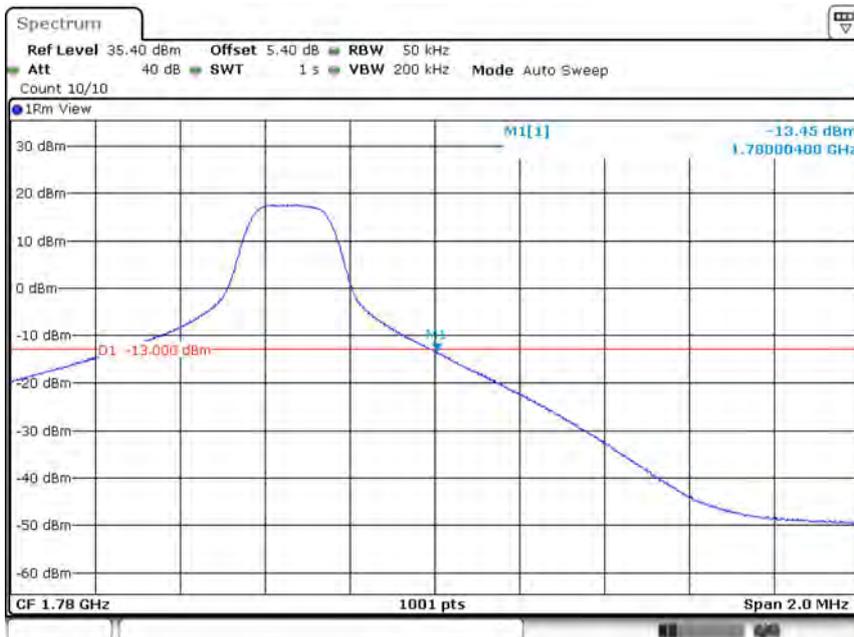


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Date: 23 JUN 2020 14:20:12

Band66-5MHz-16QAM-132647-1RB#24



Date: 23 JUN 2020 14:02:47

Band66-5MHz-16QAM-132647-25RB#0



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Date: 23 JUN 2020 14:03:28

Band66-10MHz-QPSK-132022-1RB#0



Date: 23 JUN 2020 14:03:53

Band66-10MHz-QPSK-132022-50RB#0



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Date: 23 JUN 2020 14:04:34

Band66-10MHz-QPSK-132622-1RB#49



Date: 23 JUN 2020 14:05:20

Band66-10MHz-QPSK-132622-50RB#0



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Date: 23 JUN 2020 14:06:01

Band66-10MHz-64QAM-132022-1RB#0



Date: 24 JUN 2020 10:45:58

Band66-10MHz-64QAM-132022-50RB#0



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Date: 24 JUN 2020 10:46:19

Band66-10MHz-64QAM-132622-1RB#49



Date: 24 JUN 2020 10:46:45

Band66-10MHz-64QAM-132622-50RB#0



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Date: 24 JUN 2020 10:47:05

Band66-10MHz-16QAM-132022-1RB#0



Date: 23 JUN 2020 14:04:14

Band66-10MHz-16QAM-132022-50RB#0



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Date: 23 JUN 2020 14:04:55

Band66-10MHz-16QAM-132622-1RB#49



Date: 23 JUN 2020 14:05:40

Band66-10MHz-16QAM-132622-50RB#0



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Date: 23 JUN 2020 14:06:21

Band66-15MHz-QPSK-132047-1RB#0



Date: 23 JUN 2020 14:06:47

Band66-15MHz-QPSK-132047-75RB#0



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Date: 23 JUN 2020 14:07:28

Band66-15MHz-QPSK-132597-1RB#74



Date: 23 JUN 2020 14:08:13

Band66-15MHz-QPSK-132597-75RB#0



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Wireless Laboratory



Date: 23 JUN 2020 14:08:54

Band66-15MHz-64QAM-132047-1RB#0



Date: 24 JUN 2020 10:47:31

Band66-15MHz-64QAM-132047-75RB#0



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Date: 24 JUN 2020 10:47:52

Band66-15MHz-64QAM-132597-1RB#74



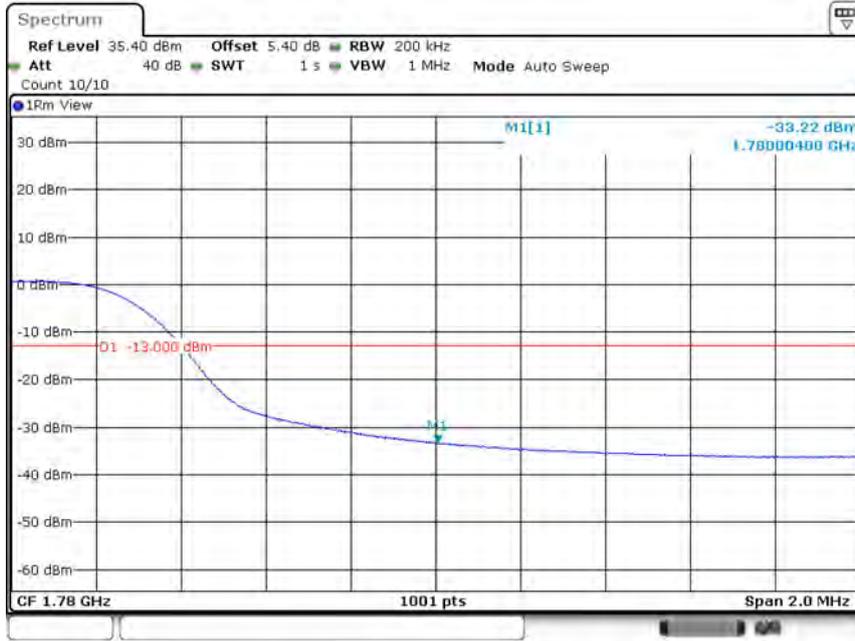
Date: 24 JUN 2020 10:48:17

Band66-15MHz-64QAM-132597-75RB#0



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Date: 24 JUN 2020 10:48:38

Band66-15MHz-16QAM-132047-1RB#0



Date: 23 JUN 2020 14:07:07

Band66-15MHz-16QAM-132047-75RB#0



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Date: 23 JUN 2020 14:07:48

Band66-15MHz-16QAM-132597-1RB#74

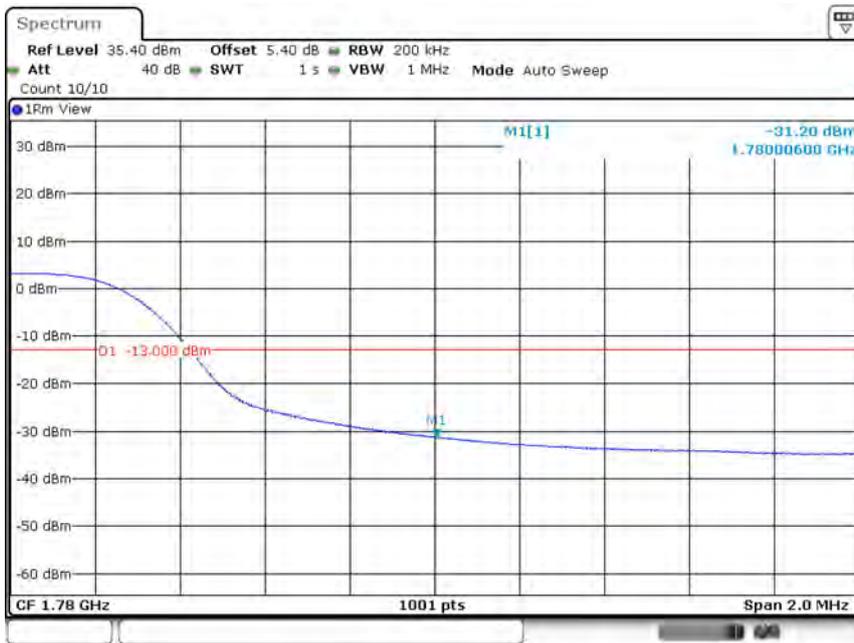


Date: 23 JUN 2020 14:08:34

Band66-15MHz-16QAM-132597-75RB#0

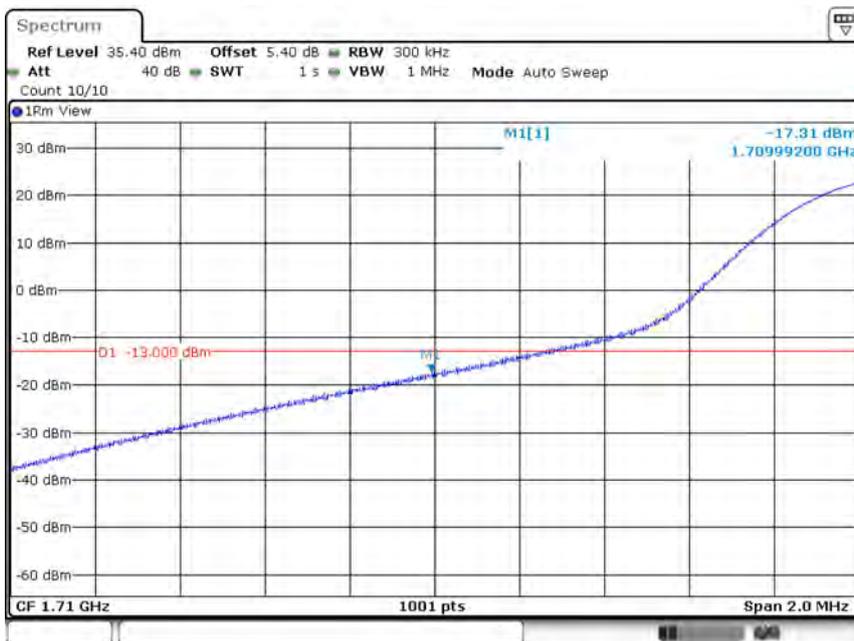


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Date: 23 JUN 2020 14:09:15

Band66-20MHz-QPSK-132072-1RB#0

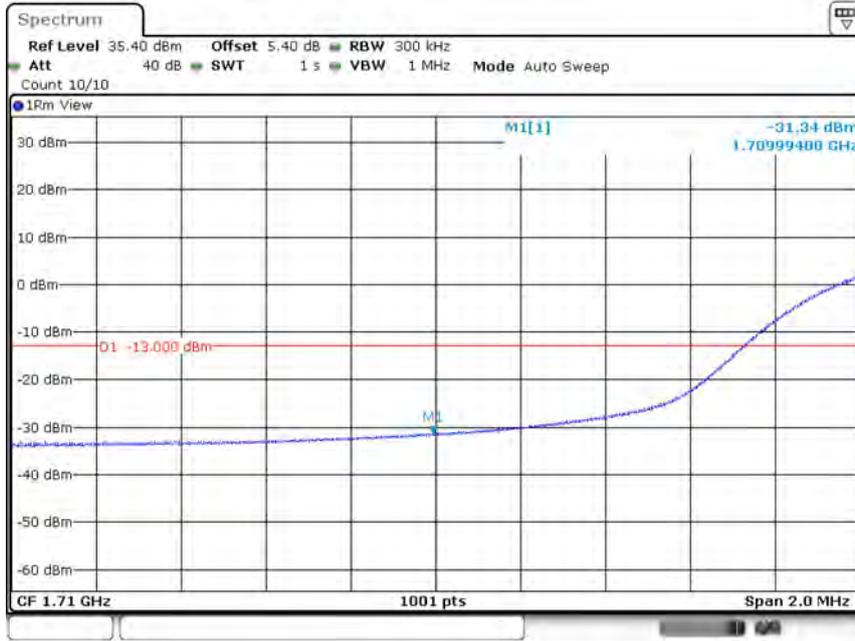


Date: 23 JUN 2020 14:09:40

Band66-20MHz-QPSK-132072-100RB#0



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Date: 23 JUN 2020 14:10:21

Band66-20MHz-QPSK-132572-1RB#99

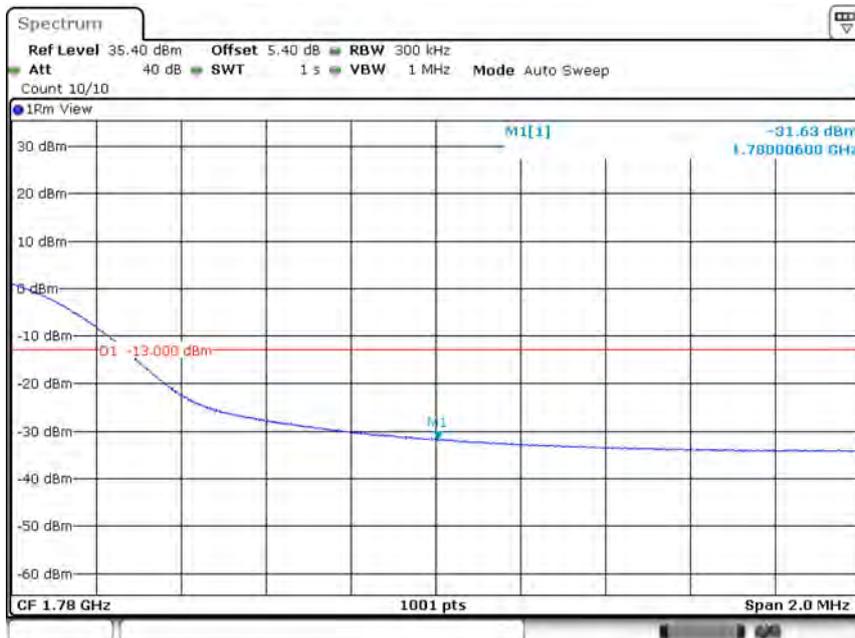


Date: 23 JUN 2020 14:11:07

Band66-20MHz-QPSK-132572-100RB#0



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Date: 23 JUN 2020 14:11:48

Band66-20MHz-64QAM-132072-1RB#0



Date: 24 JUN 2020 10:49:04

Band66-20MHz-64QAM-132072-100RB#0



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Date: 24 JUN 2020 10:49:24

Band66-20MHz-64QAM-132572-1RB#99



Date: 24 JUN 2020 10:49:49

Band66-20MHz-64QAM-132572-100RB#0



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Date: 24 JUN 2020 10:50:10

Band66-20MHz-16QAM-132072-1RB#0

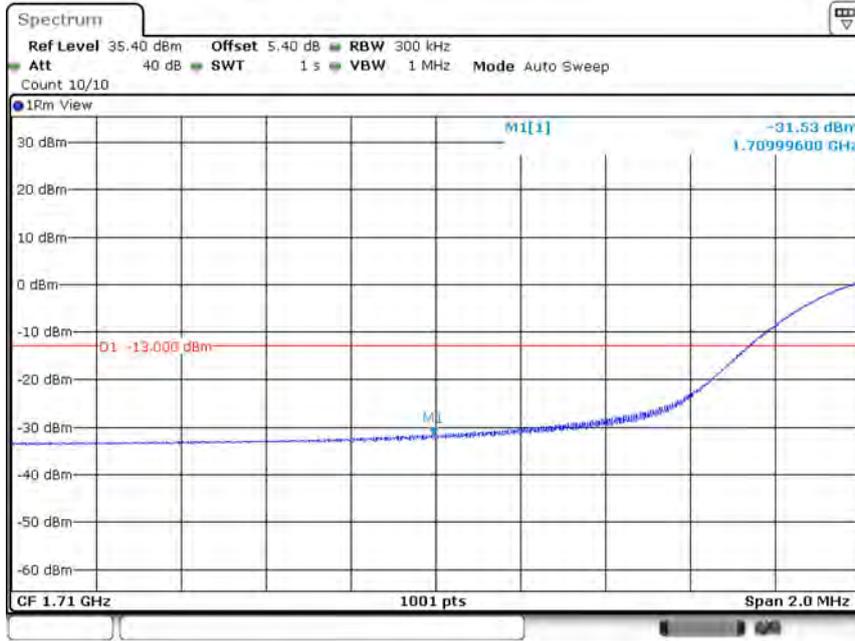


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Band66-20MHz-16QAM-132072-100RB#0



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Date: 23 JUN 2020 14:10:42

Band66-20MHz-16QAM-132572-1RB#99

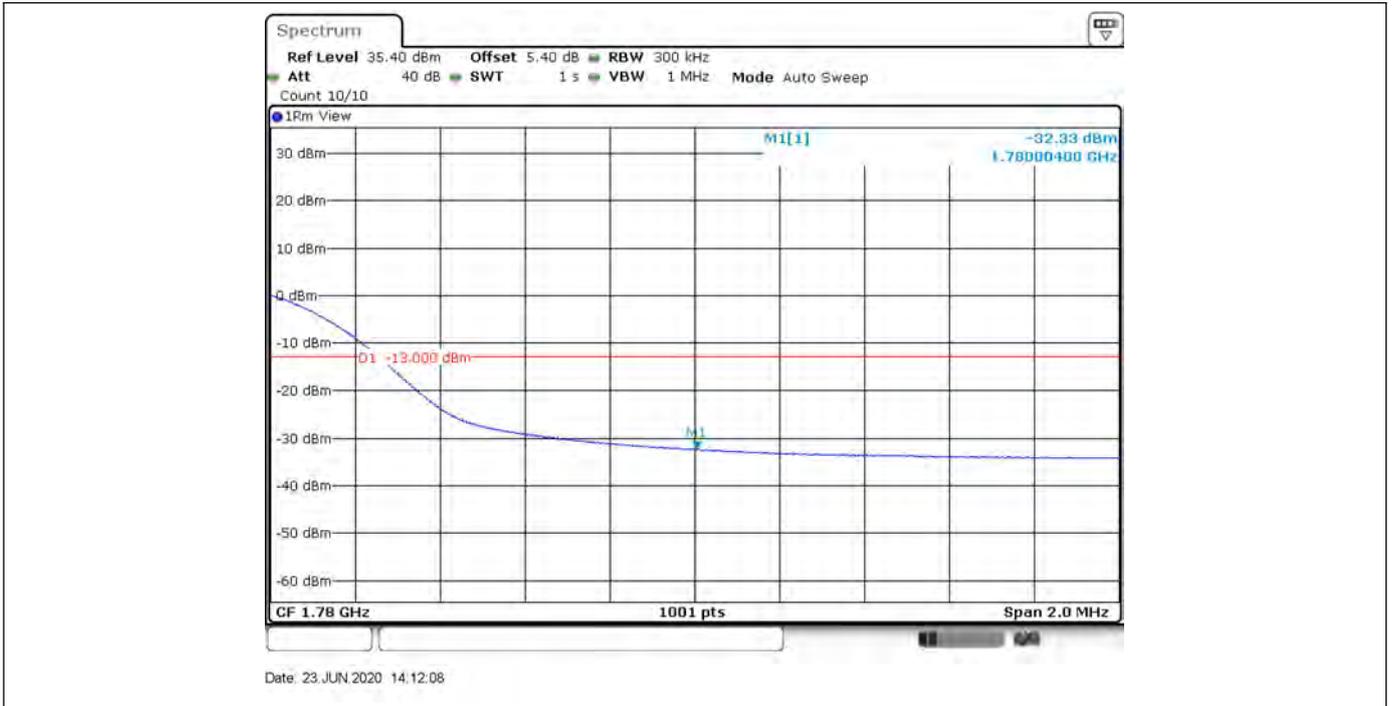


Date: 23 JUN 2020 14:11:27

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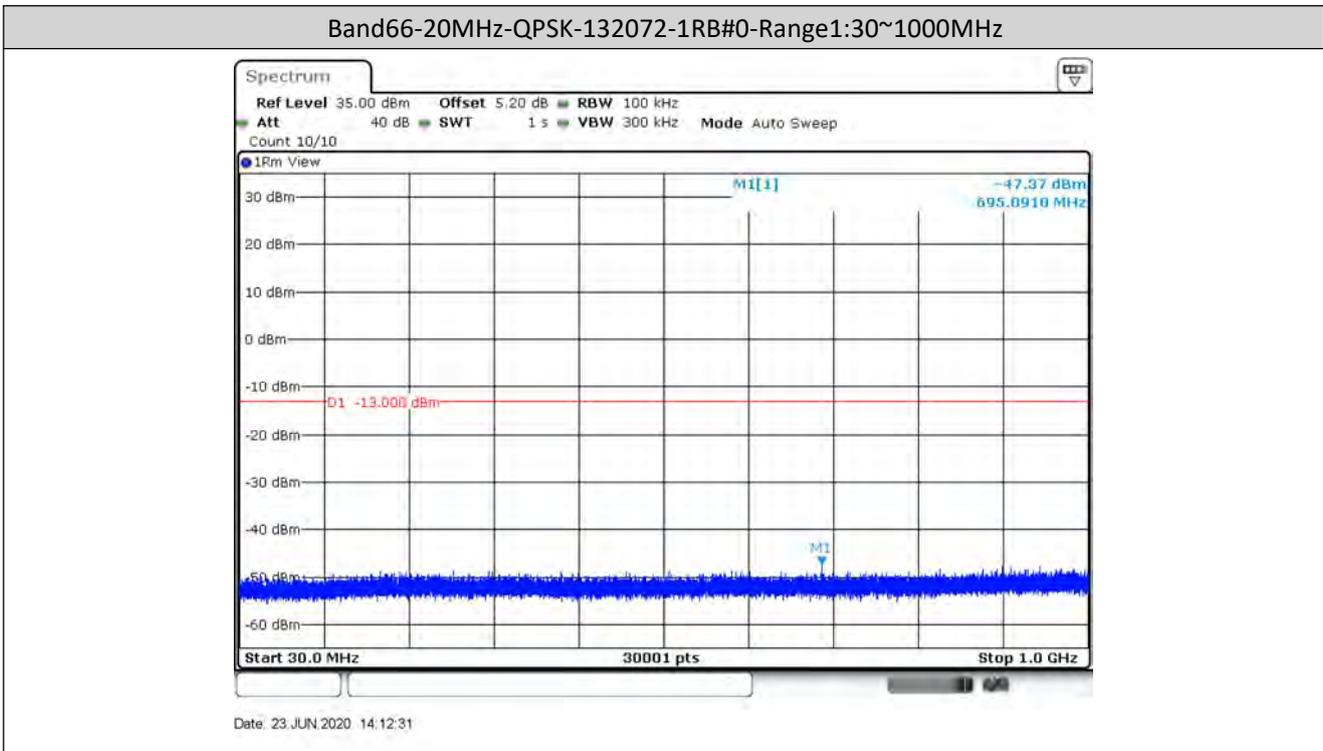
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6. Spurious Emission at Antenna Terminal

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 $< RBW/2$ 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

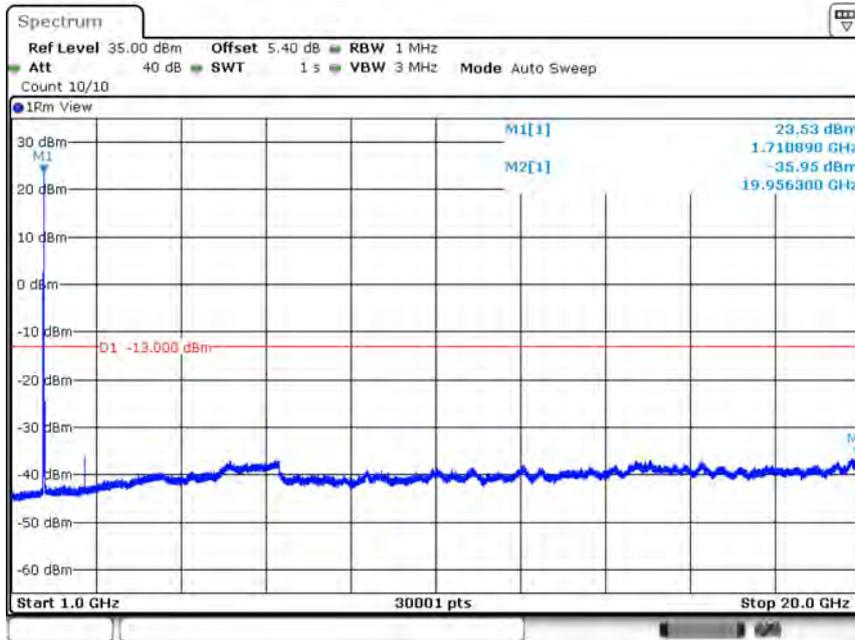


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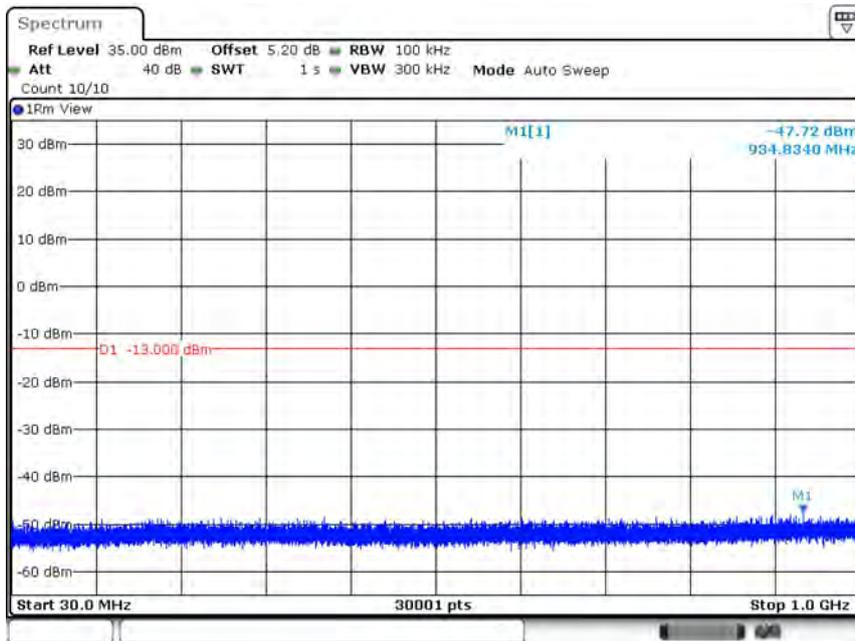
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Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz



Date: 23 JUN 2020 14:12:48

Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz

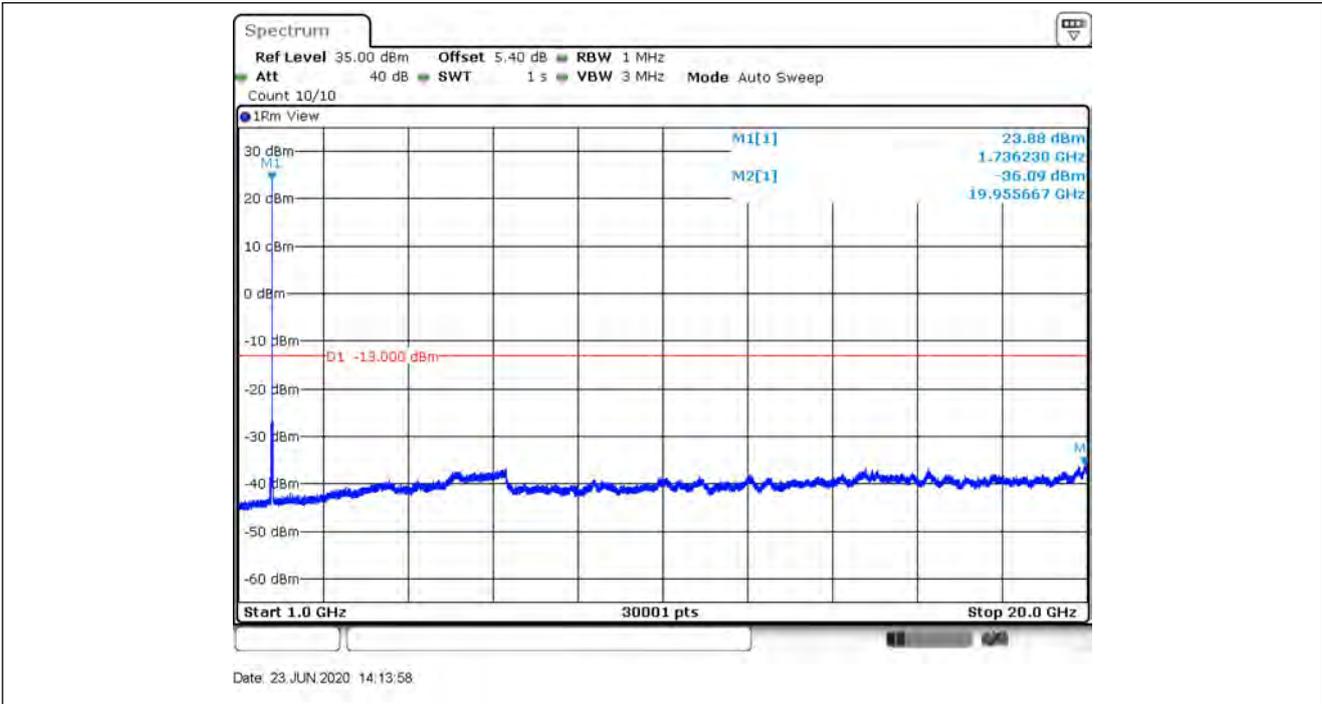


Date: 23 JUN 2020 14:13:42

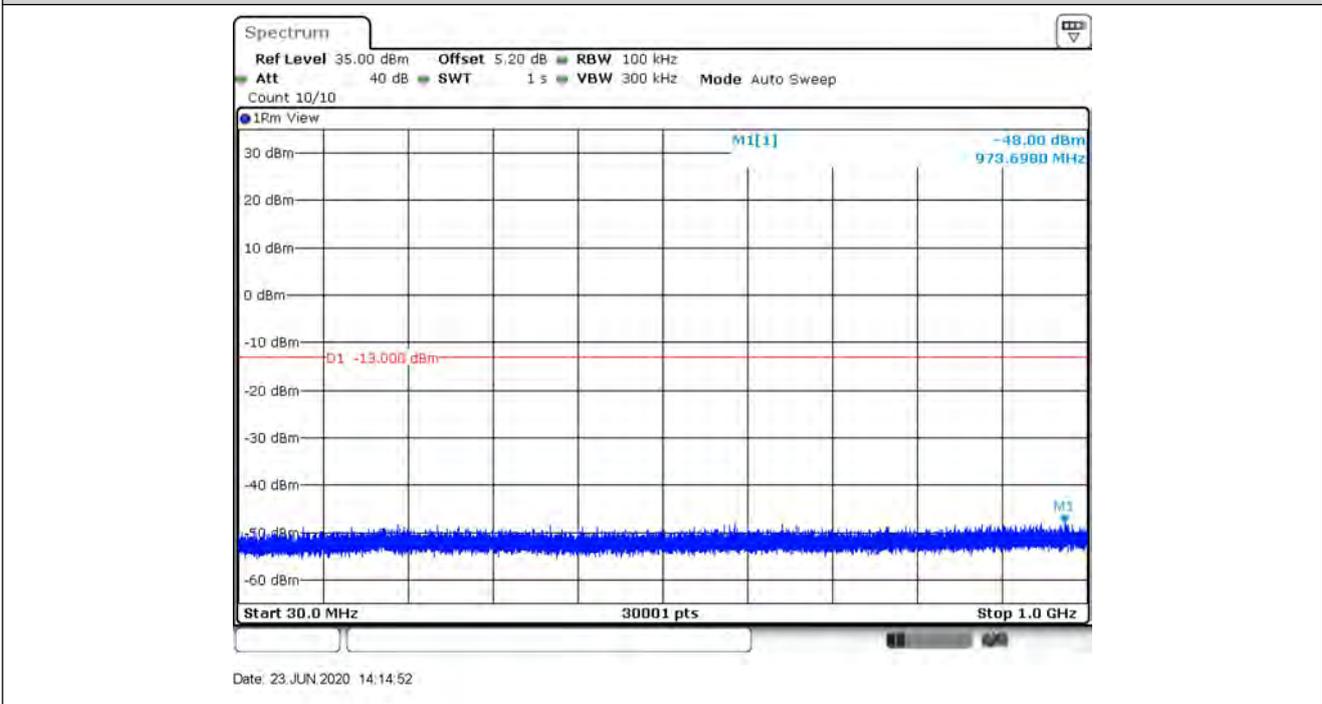
Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



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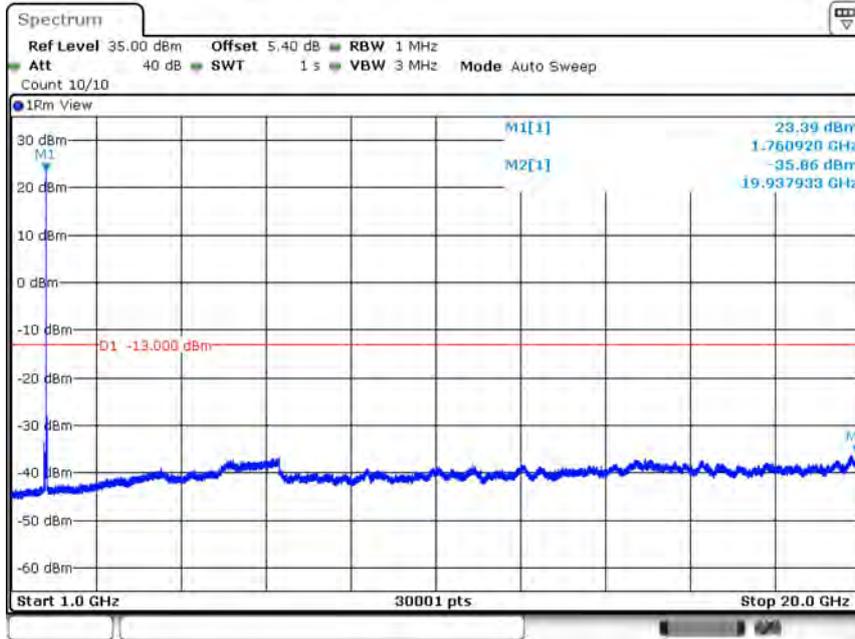
Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz

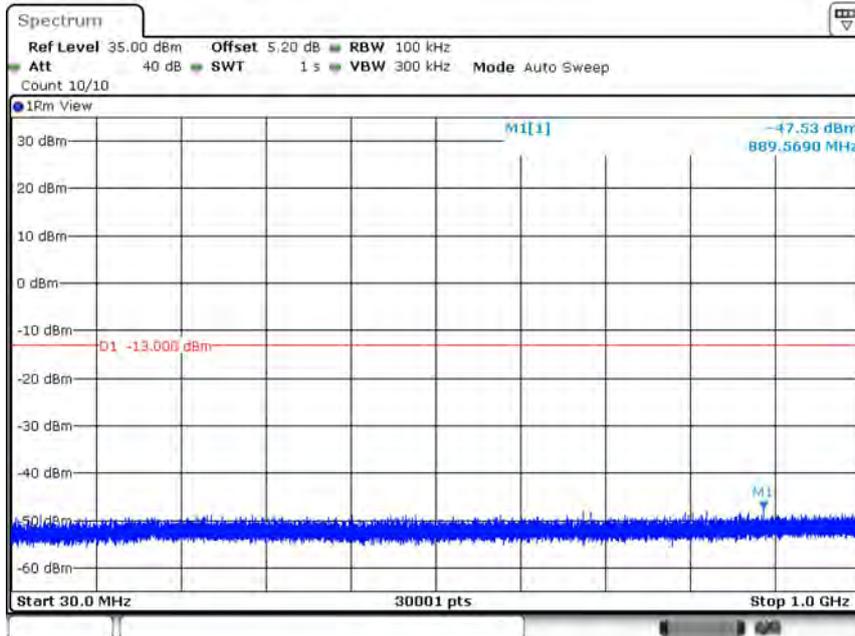


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Band66-20MHz-64QAM-132072-1RB#0-Range1:30~1000MHz

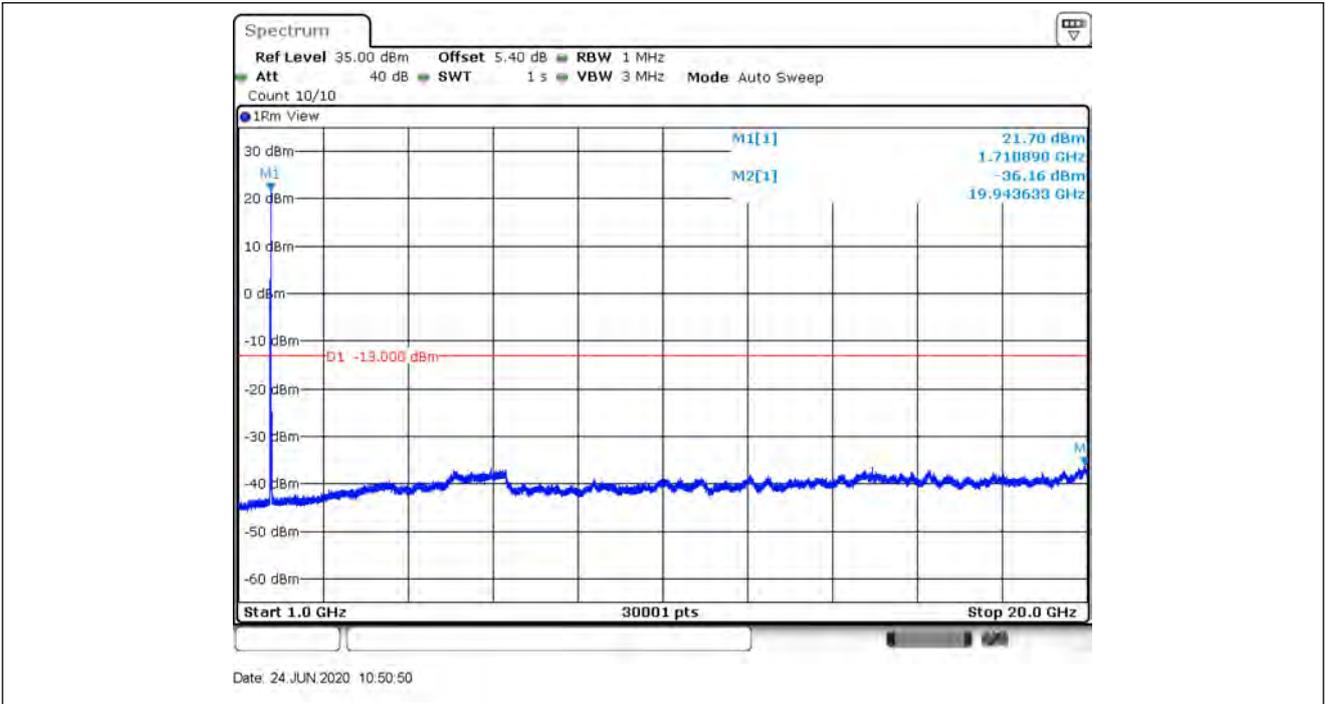


Date: 24 JUN 2020 10:50:33

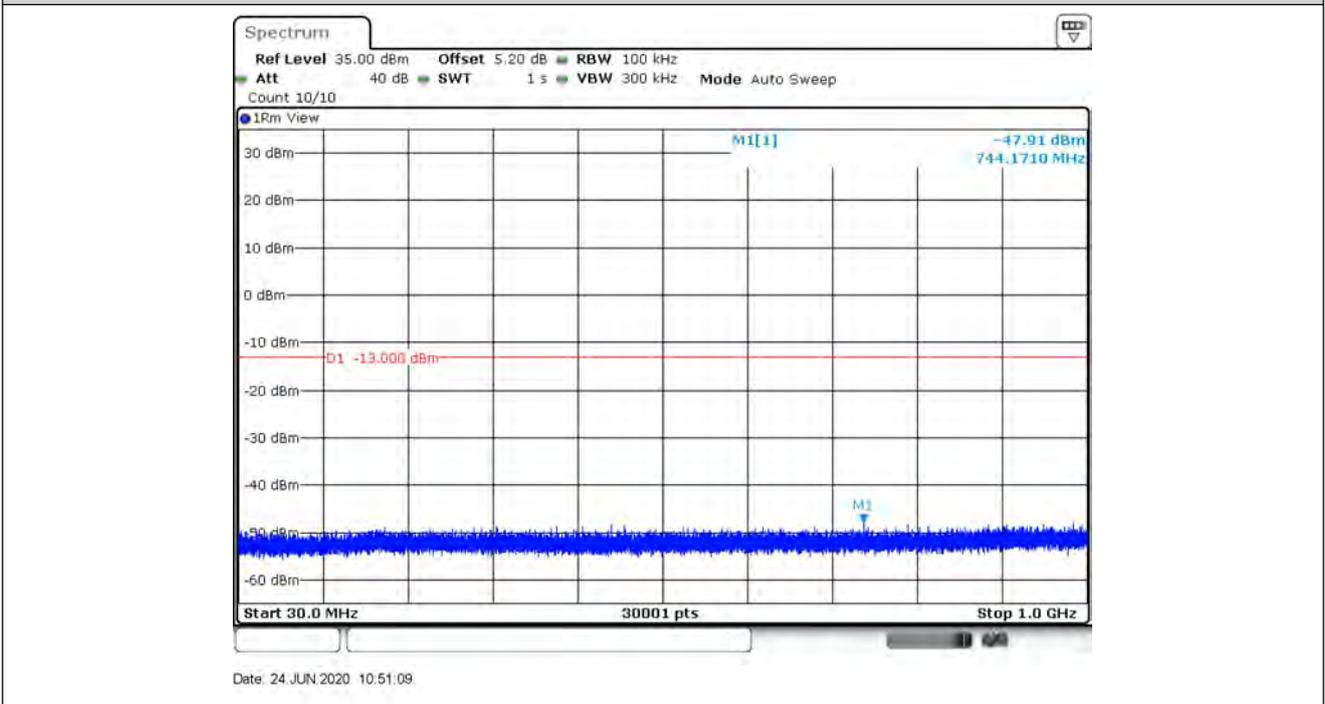
Band66-20MHz-64QAM-132072-1RB#0-Range2:1000~20000MHz



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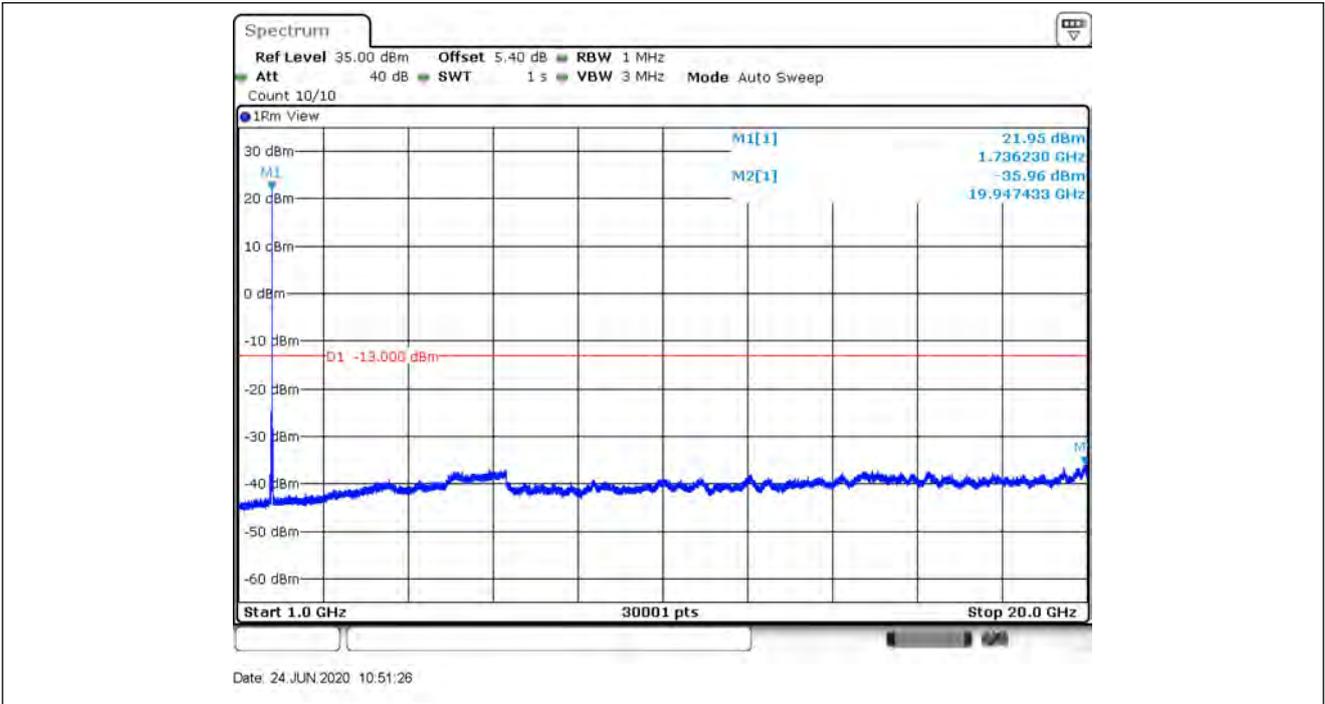
Band66-20MHz-64QAM-132322-1RB#0-Range1:30~1000MHz



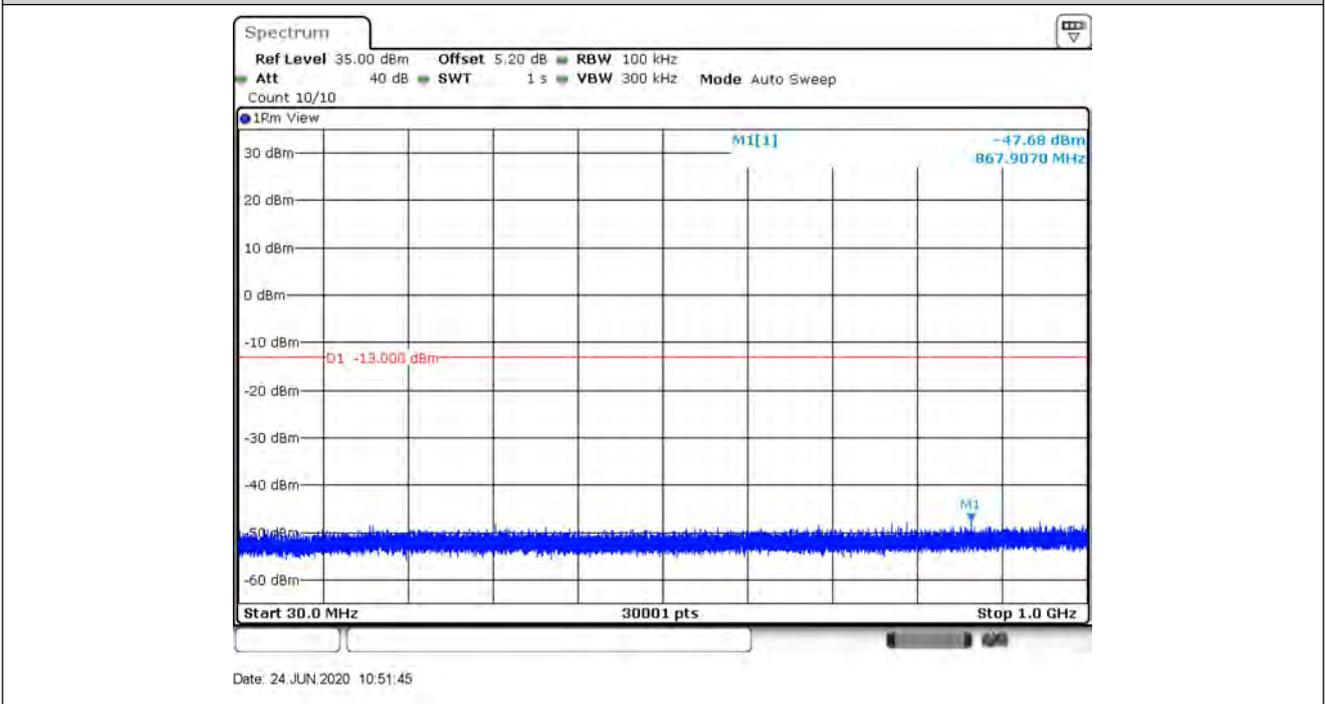
Band66-20MHz-64QAM-132322-1RB#0-Range2:1000~20000MHz



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Band66-20MHz-64QAM-132572-1RB#0-Range1:30~1000MHz

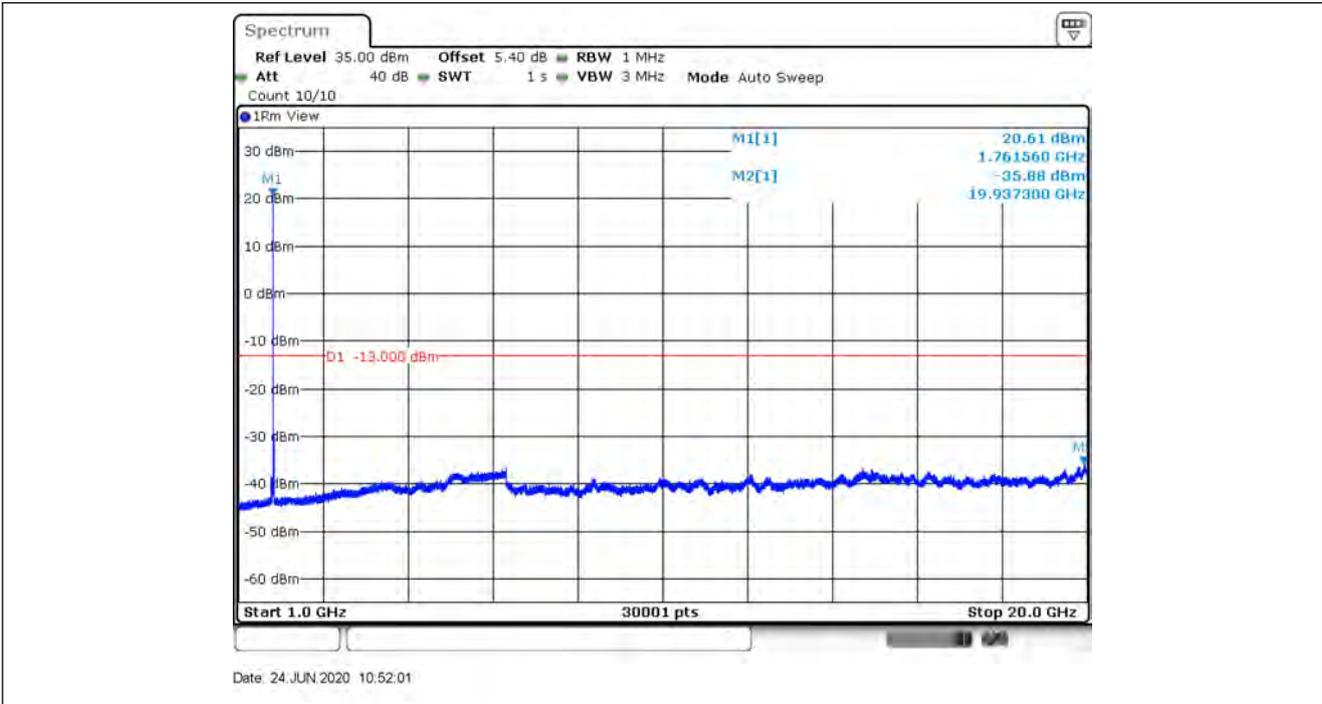


Band66-20MHz-64QAM-132572-1RB#0-Range2:1000~20000MHz

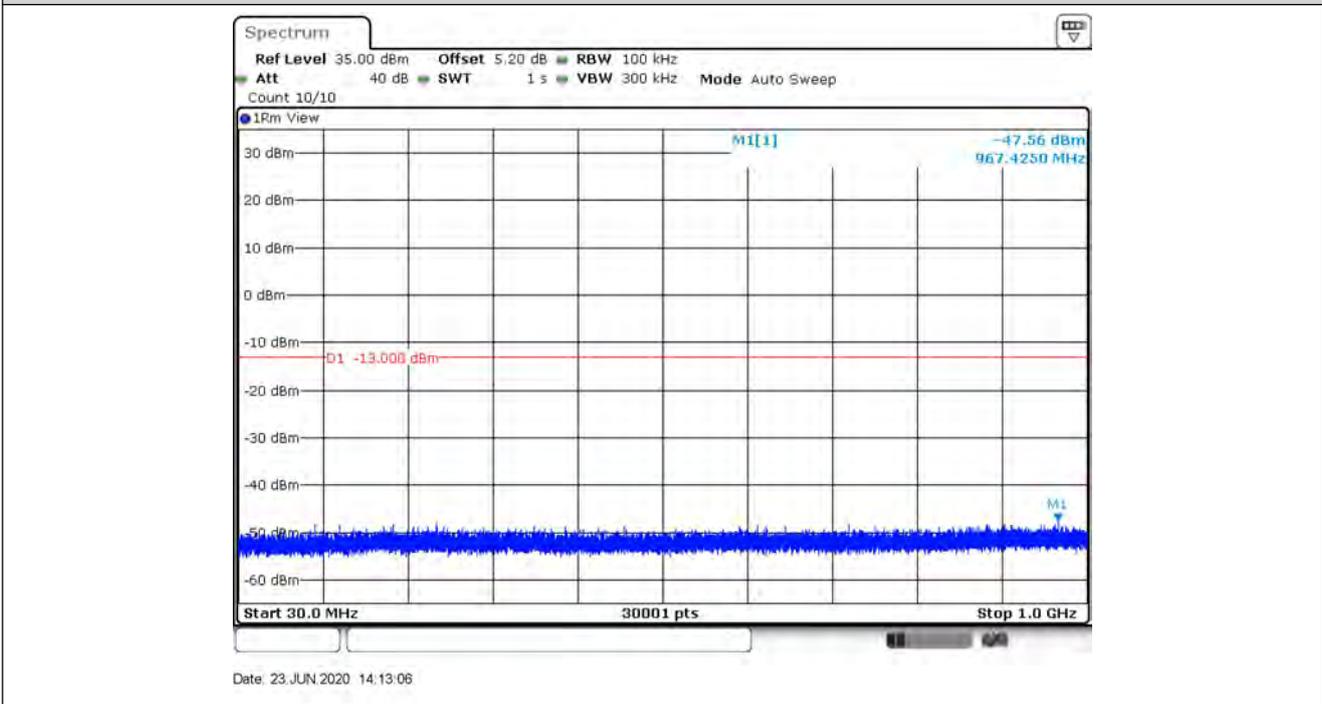


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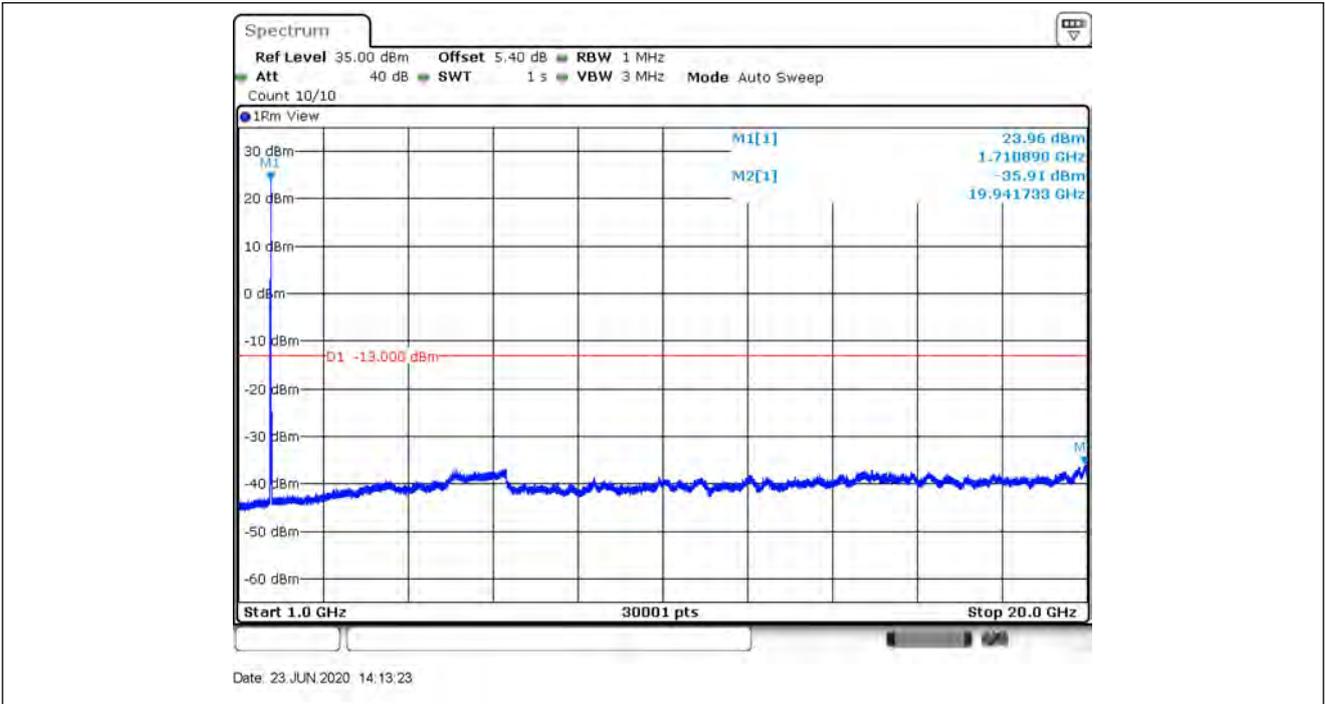
Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz



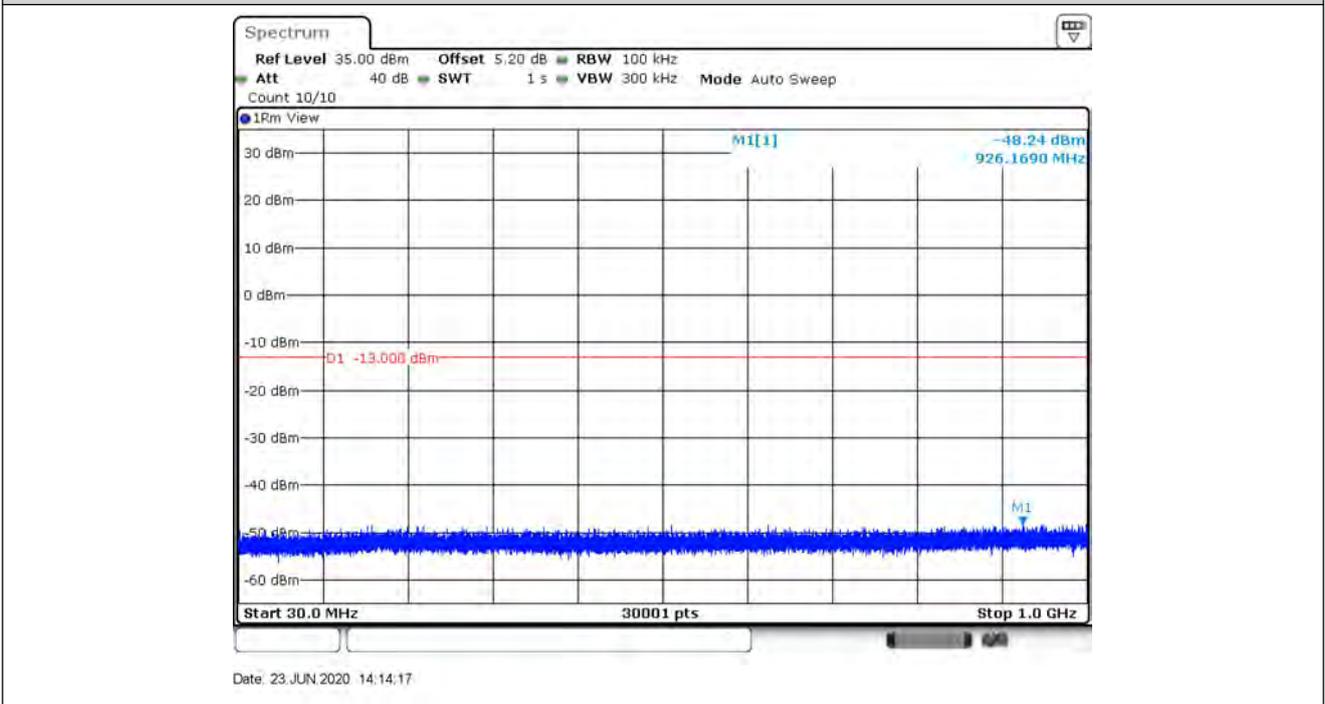
Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz



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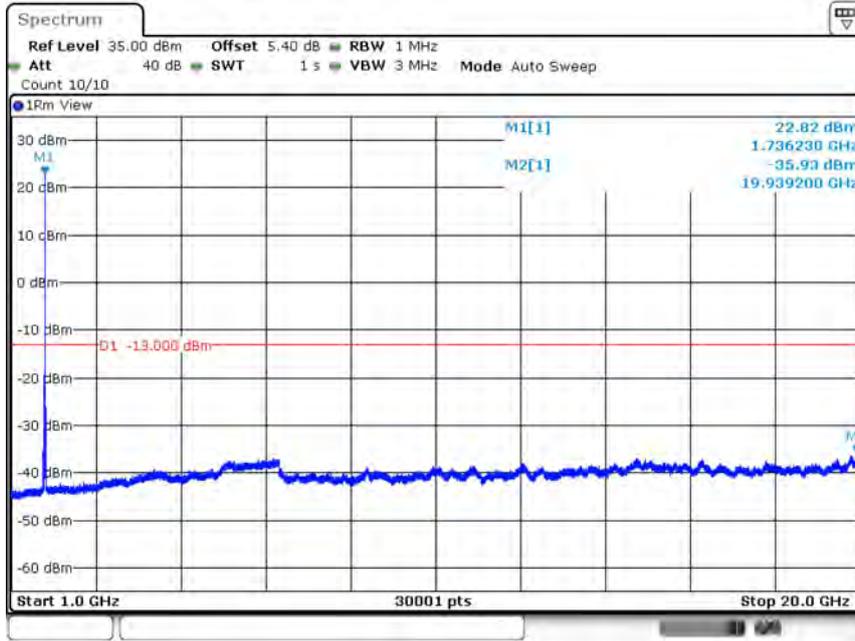
Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz

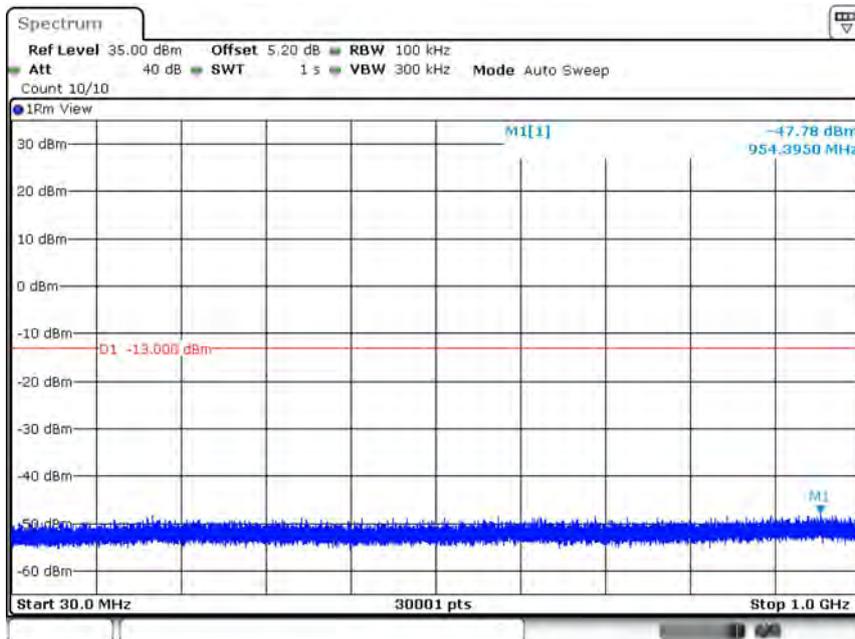


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Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz



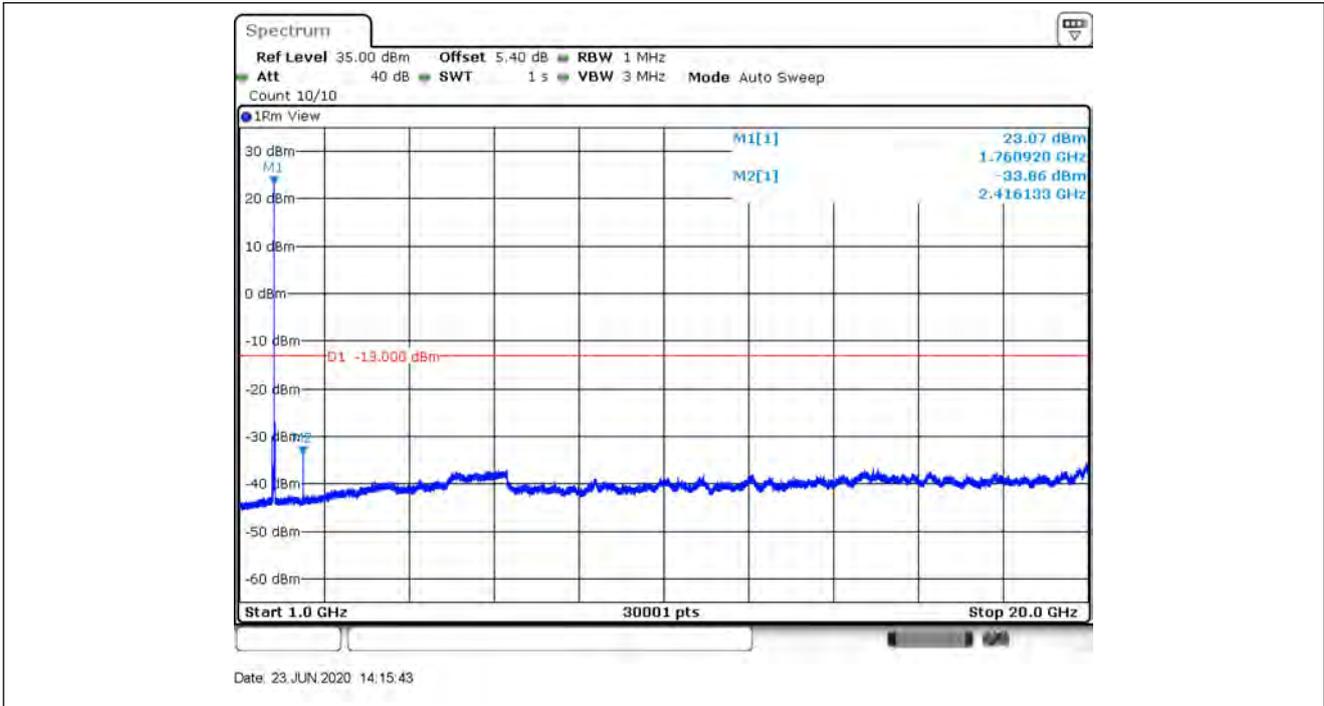
Date: 23 JUN 2020 14:15:27

Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_Band=66 BW=20MHz _TM1

7.1.1. Test Channel = 132072

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.5778	-53.27	-64.78	-13.00	51.78	121	163	Horizontal
2	151.3046	-59.57	-86.17	-13.00	73.17	184	67	Horizontal
3	2625.9252	-64.80	-33.99	-13.00	20.99	321	67	Horizontal
4	3422.0141	-50.32	-60.30	-13.00	47.30	261	227	Horizontal
5	5133.5711	-52.90	-59.55	-13.00	46.55	194	227	Horizontal
6	16385.9462	-57.75	-43.55	-13.00	30.55	154	355	Horizontal



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7.2. Test Band = LTE_Band=66 BW=20MHz _TM1

7.2.1. Test Channel = 132072

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	31.3096	-54.58	-76.84	-13.00	63.84	174	195	Vertical
2	78.7449	-52.49	-70.60	-13.00	57.60	185	131	Vertical
3	2589.5179	-66.90	-37.28	-13.00	24.28	196	121	Vertical
4	5133.0711	-52.72	-59.73	-13.00	46.73	213	131	Vertical
5	14491.3830	-59.79	-47.35	-13.00	34.35	261	322	Vertical
6	17995.4999	-57.25	-39.48	-13.00	26.48	194	354	Vertical



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7.3. Test Band = LTE_Band=66 BW=20MHz_TM1

7.3.1. Test Channel = 132322

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.6263	-55.27	-66.76	-13.00	53.76	174	163	Horizontal
2	150.8680	-60.04	-86.70	-13.00	73.70	185	67	Horizontal
3	709.0340	-72.14	-83.82	-13.00	70.82	196	67	Horizontal
4	2703.1406	-69.13	-36.30	-13.00	23.30	231	200	Horizontal
5	3472.0157	-49.24	-58.55	-13.00	45.55	262	195	Horizontal
6	16395.9465	-57.35	-42.97	-13.00	29.97	291	195	Horizontal



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7.4. Test Band = LTE_Band=66 BW=20MHz _TM1

7.4.1. Test Channel = 132322

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	31.4066	-57.61	-79.97	-13.00	66.97	174	131	Vertical
2	78.6964	-53.02	-71.14	-13.00	58.14	185	163	Vertical
3	2578.7157	-65.58	-36.11	-13.00	23.11	213	299	Vertical
4	5208.0736	-51.91	-59.05	-13.00	46.05	261	99	Vertical
5	14500.3833	-59.57	-47.06	-13.00	34.06	154	357	Vertical
6	17998.5000	-57.57	-39.73	-13.00	26.73	194	99	Vertical



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7.5. Test Band = LTE_Band=66 BW=20MHz _TM1

7.5.1. Test Channel = 132572

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.6748	-52.42	-63.90	-13.00	50.90	174	163	Horizontal
2	152.8081	-60.21	-86.61	-13.00	73.61	185	67	Horizontal
3	2701.5403	-69.22	-36.34	-13.00	23.34	196	93	Horizontal
4	3522.5174	-49.32	-58.07	-13.00	45.07	231	195	Horizontal
5	9315.2105	-58.41	-52.61	-13.00	39.61	261	354	Horizontal
6	16391.4464	-57.69	-43.39	-13.00	30.39	213	195	Horizontal



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7.6. Test Band = LTE_Band=66 BW=20MHz _TM1

7.6.1. Test Channel = 132572

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	78.1144	-54.93	-73.21	-13.00	60.21	174	226	Vertical
2	2697.1394	-69.17	-37.55	-13.00	24.55	185	134	Vertical
3	3522.0174	-48.56	-58.40	-13.00	45.40	196	163	Vertical
4	5283.0761	-51.03	-58.72	-13.00	45.72	231	99	Vertical
5	14718.8906	-59.09	-47.05	-13.00	34.05	252	226	Vertical
6	17998.5000	-57.44	-39.60	-13.00	26.60	181	67	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	-7.50	-0.004360	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	6.50	0.003779	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	-0.10	-0.000058	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-2.70	-0.001547	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-5.00	-0.002865	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-4.80	-0.002751	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	-12.50	-0.007062	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	-7.40	-0.004181	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-9.00	-0.005085	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	VL	NT	1.40	0.000814	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	VN	NT	2.20	0.001279	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	VH	NT	-9.60	-0.005581	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	VL	NT	-8.30	-0.004756	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	VN	NT	1.60	0.000917	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	VH	NT	2.50	0.001433	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	VL	NT	-8.10	-0.004576	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	VN	NT	1.90	0.001073	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	VH	NT	-9.30	-0.005254	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	3.40	0.001977	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	3.10	0.001802	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	-11.80	-0.006860	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	1.00	0.000573	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	4.70	0.002693	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-12.30	-0.007049	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-0.30	-0.000169	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	-0.50	-0.000282	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	-13.70	-0.007740	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
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Band66	20MHz	QPSK	132072	100RB#0	NV	-30	1.60	0.000930	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-0.80	-0.000465	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	-2.80	-0.001628	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	-12.30	-0.007151	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-7.80	-0.004535	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-7.60	-0.004355	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-5.10	-0.002923	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-0.90	-0.000516	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-4.30	-0.002464	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-11.00	-0.006304	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	4.60	0.002599	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	-11.20	-0.006328	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	-13.00	-0.007345	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-1.10	-0.000621	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	-9.70	-0.005480	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	-30	-7.70	-0.004477	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	-20	-1.90	-0.001105	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	0	-9.40	-0.005465	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	10	0.30	0.000174	±2.5	PASS
Band66	20MHz	64QAM	132072	100RB#0	NV	20	-1.60	-0.000930	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	-30	-1.90	-0.001089	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	-20	-9.90	-0.005673	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	0	1.60	0.000917	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	10	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	64QAM	132322	100RB#0	NV	20	-4.60	-0.002636	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	-30	-1.80	-0.001017	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	-20	-1.50	-0.000847	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	0	8.90	0.005028	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	10	-4.50	-0.002542	±2.5	PASS
Band66	20MHz	64QAM	132572	100RB#0	NV	20	-3.60	-0.002034	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	-12.90	-0.007500	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	-9.40	-0.005465	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	1.40	0.000814	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	-7.50	-0.004360	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	-4.50	-0.002616	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-9.10	-0.005215	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-3.80	-0.002178	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-0.10	-0.000057	±2.5	PASS



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Band66	20MHz	16QAM	132322	100RB#0	NV	10	2.20	0.001261	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-4.30	-0.002464	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	-8.20	-0.004633	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	2.40	0.001356	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-6.80	-0.003842	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	4.00	0.002260	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	-5.80	-0.003277	±2.5	PASS



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