

Appendix J: Test Results of Band 66 for eMTC operation

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APPENDIX J.1: RF POWER OUTPUT AND EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA FOR M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Result (dBm)	Verdict
Band66	1.4MHz	131979	QPSK	1	0	Low	24.21	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	22.00	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	23.99	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	21.81	PASS
Band66	1.4MHz	132665	QPSK	1	5	Low	23.78	PASS
Band66	1.4MHz	132665	QPSK	6	0	Low	21.69	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	22.95	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	22.00	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	22.56	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	21.81	PASS
Band66	1.4MHz	132665	16QAM	1	5	Low	22.51	PASS
Band66	1.4MHz	132665	16QAM	6	0	Low	21.68	PASS
Band66	3MHz	131987	QPSK	1	0	Low	24.21	PASS
Band66	3MHz	131987	QPSK	6	0	Low	21.97	PASS
Band66	3MHz	132322	QPSK	1	0	Low	23.99	PASS
Band66	3MHz	132322	QPSK	6	0	Low	21.83	PASS
Band66	3MHz	132657	QPSK	1	5	High	23.87	PASS
Band66	3MHz	132657	QPSK	6	0	High	21.79	PASS
Band66	3MHz	131987	16QAM	1	0	Low	22.87	PASS
Band66	3MHz	131987	16QAM	6	0	Low	21.97	PASS
Band66	3MHz	132322	16QAM	1	0	Low	22.59	PASS
Band66	3MHz	132322	16QAM	6	0	Low	21.84	PASS
Band66	3MHz	132657	16QAM	1	5	High	22.62	PASS
Band66	3MHz	132657	16QAM	6	0	High	21.79	PASS
Band66	5MHz	131997	QPSK	1	0	Low	24.32	PASS
Band66	5MHz	131997	QPSK	6	0	Low	23.19	PASS
Band66	5MHz	132322	QPSK	1	0	Low	24.02	PASS
Band66	5MHz	132322	QPSK	6	0	Low	22.91	PASS
Band66	5MHz	132647	QPSK	1	5	High	23.94	PASS
Band66	5MHz	132647	QPSK	3	3	High	22.75	PASS
Band66	5MHz	131997	16QAM	1	0	Low	24.40	PASS
Band66	5MHz	131997	16QAM	6	0	Low	23.20	PASS
Band66	5MHz	132322	16QAM	1	0	Low	24.12	PASS
Band66	5MHz	132322	16QAM	6	0	Low	22.92	PASS
Band66	5MHz	132647	16QAM	1	5	High	23.86	PASS
Band66	5MHz	132647	16QAM	3	3	High	23.03	PASS
Band66	10MHz	132022	QPSK	1	0	Low	24.23	PASS
Band66	10MHz	132022	QPSK	5	0	Low	23.24	PASS
Band66	10MHz	132322	QPSK	1	0	Low	24.03	PASS
Band66	10MHz	132322	QPSK	5	0	Low	22.93	PASS

Band66	10MHz	132622	QPSK	1	5	High	23.96	PASS
Band66	10MHz	132622	QPSK	5	1	High	22.87	PASS
Band66	10MHz	132022	16QAM	1	0	Low	24.41	PASS
Band66	10MHz	132022	16QAM	5	0	Low	23.06	PASS
Band66	10MHz	132322	16QAM	1	0	Low	24.10	PASS
Band66	10MHz	132322	16QAM	5	0	Low	22.86	PASS
Band66	10MHz	132622	16QAM	1	5	High	23.86	PASS
Band66	10MHz	132622	16QAM	5	1	High	23.05	PASS
Band66	15MHz	132047	QPSK	1	0	Low	24.28	PASS
Band66	15MHz	132047	QPSK	6	0	Low	24.12	PASS
Band66	15MHz	132322	QPSK	1	0	Low	24.04	PASS
Band66	15MHz	132322	QPSK	6	0	Low	23.89	PASS
Band66	15MHz	132597	QPSK	1	5	High	23.95	PASS
Band66	15MHz	132597	QPSK	6	0	High	24.04	PASS
Band66	15MHz	132047	16QAM	1	0	Low	24.40	PASS
Band66	15MHz	132047	16QAM	6	0	Low	24.11	PASS
Band66	15MHz	132322	16QAM	1	0	Low	24.16	PASS
Band66	15MHz	132322	16QAM	6	0	Low	23.88	PASS
Band66	15MHz	132597	16QAM	1	5	High	23.92	PASS
Band66	15MHz	132597	16QAM	6	0	High	24.04	PASS
Band66	20MHz	132072	QPSK	1	0	Low	24.27	PASS
Band66	20MHz	132072	QPSK	6	0	Low	24.13	PASS
Band66	20MHz	132322	QPSK	1	0	Low	23.85	PASS
Band66	20MHz	132322	QPSK	6	0	Low	23.70	PASS
Band66	20MHz	132572	QPSK	1	5	High	23.93	PASS
Band66	20MHz	132572	QPSK	6	0	High	24.01	PASS
Band66	20MHz	132072	16QAM	1	0	Low	24.35	PASS
Band66	20MHz	132072	16QAM	6	0	Low	24.13	PASS
Band66	20MHz	132322	16QAM	1	0	Low	23.95	PASS
Band66	20MHz	132322	16QAM	6	0	Low	23.69	PASS
Band66	20MHz	132572	16QAM	1	5	High	23.83	PASS
Band66	20MHz	132572	16QAM	6	0	High	24.00	PASS

Note: The highest antenna gain permitted including cable loss, must satisfy both EIRP (ERP) limit and RF exposure requirements.

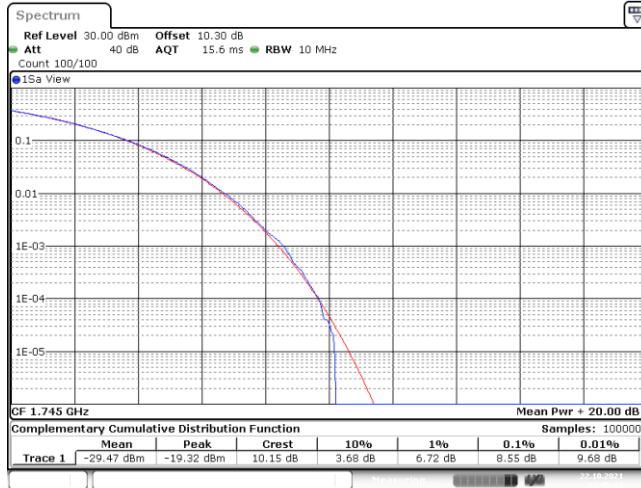
APPENDIX J.2: PEAK-TO-AVERAGE RATIO (CCDF) FOR M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Result (dB)	Limit (dB)	Verdict
Band66	1.4MHz	132322	QPSK	6	0	Low	8.55	<=13	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	12.41	<=13	PASS
Band66	3MHz	132322	QPSK	6	0	Low	11.71	<=13	PASS
Band66	3MHz	132322	16QAM	6	0	Low	9.74	<=13	PASS
Band66	5MHz	132322	QPSK	6	0	Low	11.77	<=13	PASS
Band66	5MHz	132322	16QAM	6	0	Low	9.62	<=13	PASS
Band66	10MHz	132322	QPSK	6	0	Low	12.43	<=13	PASS
Band66	10MHz	132322	16QAM	6	0	Low	9.62	<=13	PASS
Band66	15MHz	132322	QPSK	6	0	Low	12.06	<=13	PASS
Band66	15MHz	132322	16QAM	6	0	Low	10.75	<=13	PASS
Band66	20MHz	132322	QPSK	6	0	Low	9.42	<=13	PASS
Band66	20MHz	132322	16QAM	6	0	Low	9.42	<=13	PASS

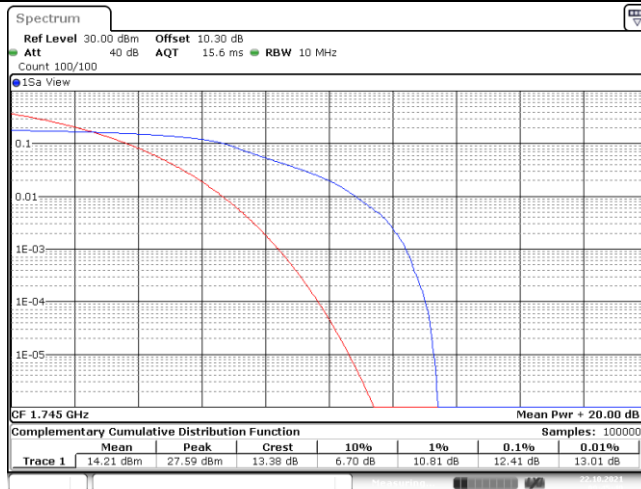
Test Graphs

Band66-1.4MHz-QPSK-132322-6-0-Low-8.55-<=13-PASS



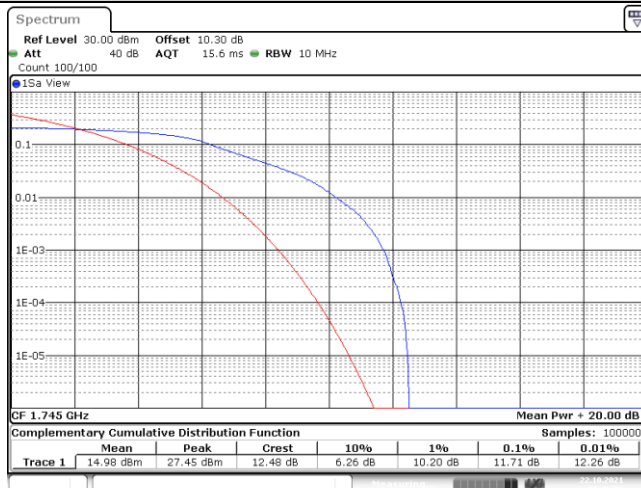
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Band66-1.4MHz-16QAM-132322-6-0-Low-12.41-<=13-PASS



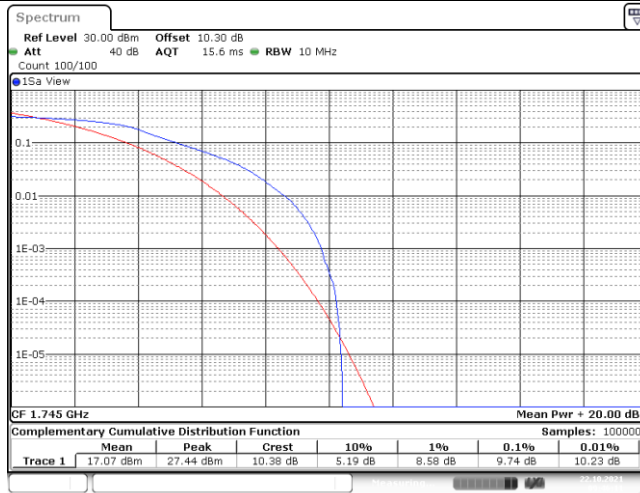
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Band66-3MHz-QPSK-132322-6-0-Low-11.71-<=13-PASS



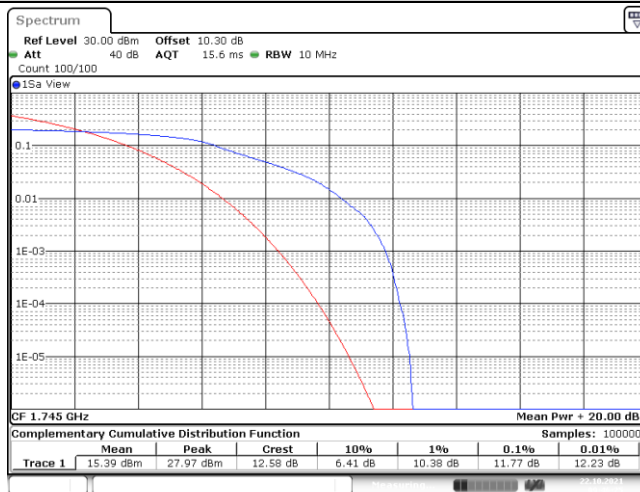
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Band66-3MHz-16QAM-132322-6-0-Low-9.74-<=13-PASS



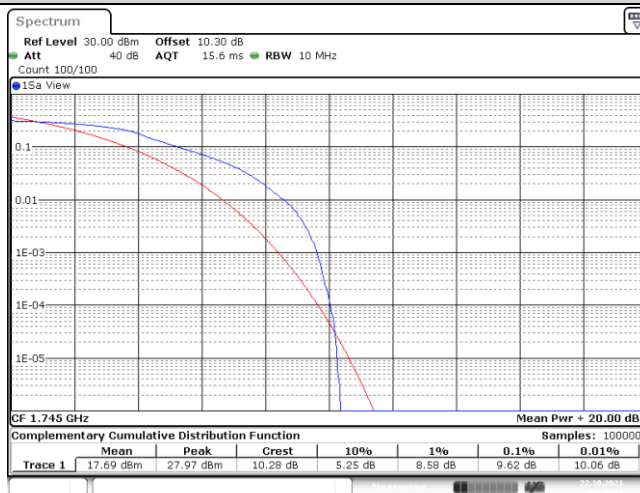
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Band66-5MHz-QPSK-132322-6-0-Low-11.77-<=13-PASS



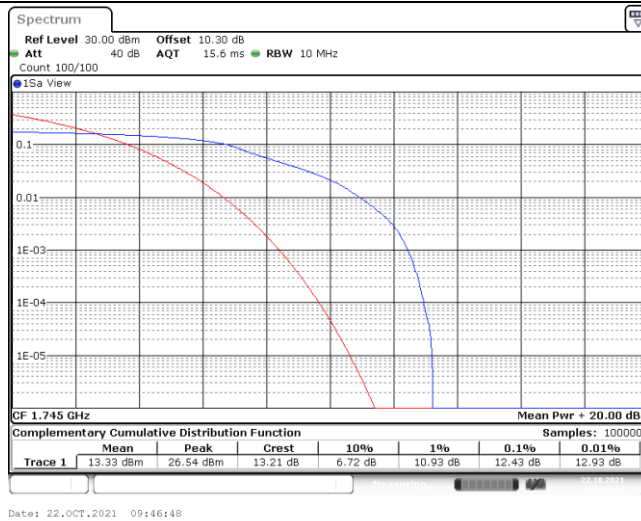
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Band66-5MHz-16QAM-132322-6-0-Low-9.62-<=13-PASS



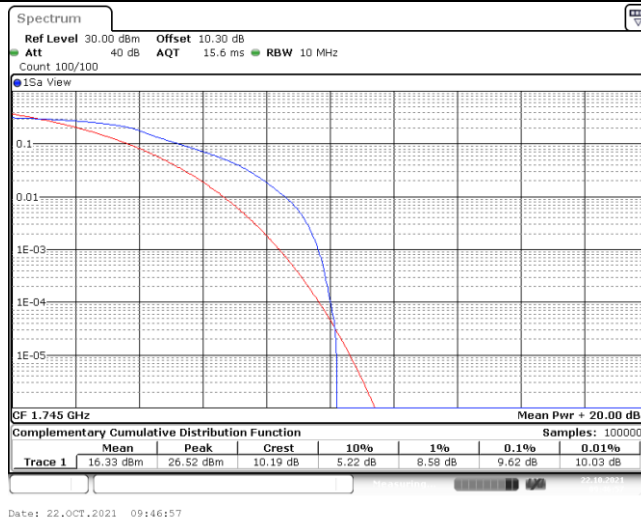
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Band66-10MHz-QPSK-132322-6-0-Low-12.43-<=13-PASS



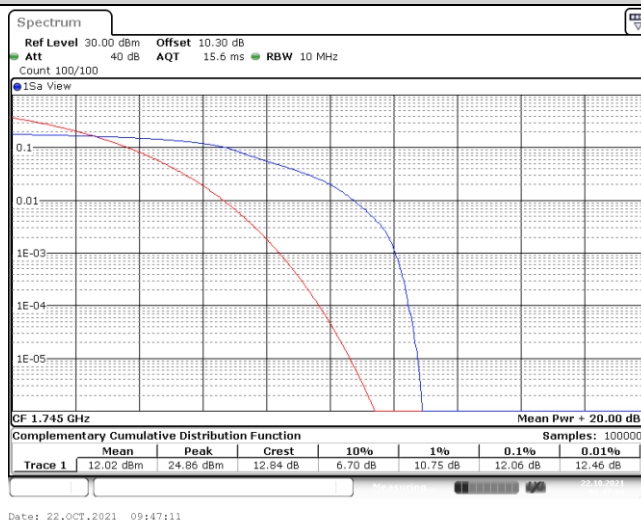
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Band66-10MHz-16QAM-132322-6-0-Low-9.62-<=13-PASS



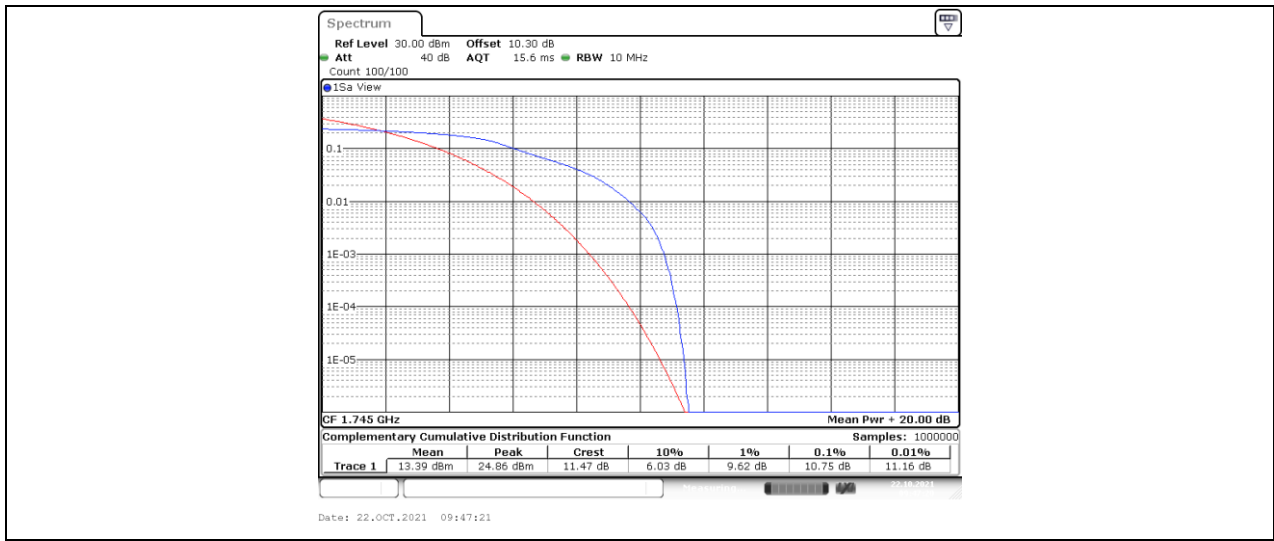
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Band66-15MHz-QPSK-132322-6-0-Low-12.06-<=13-PASS

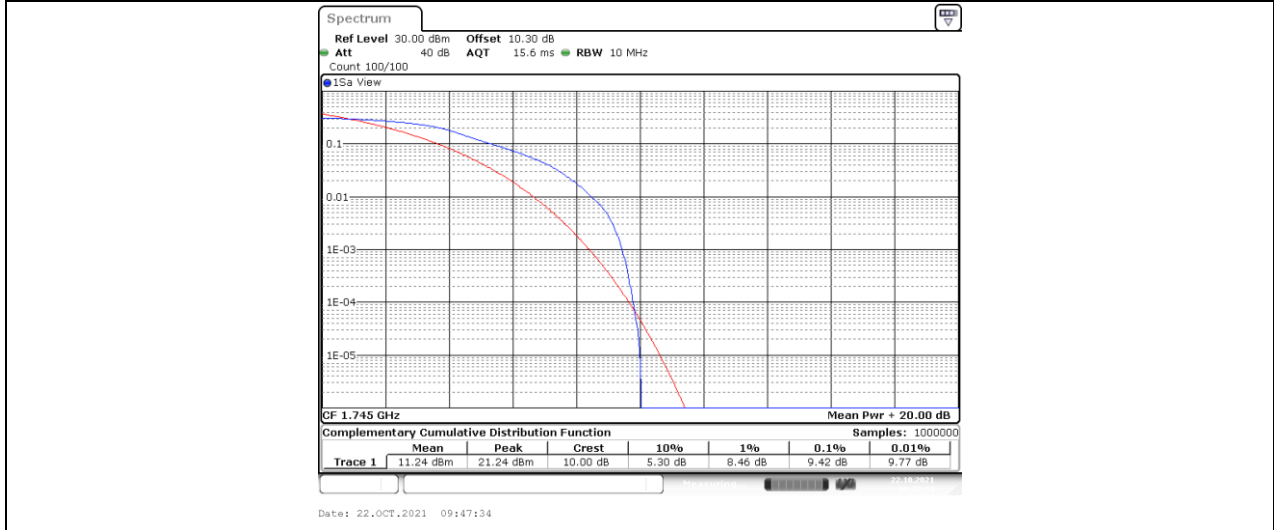


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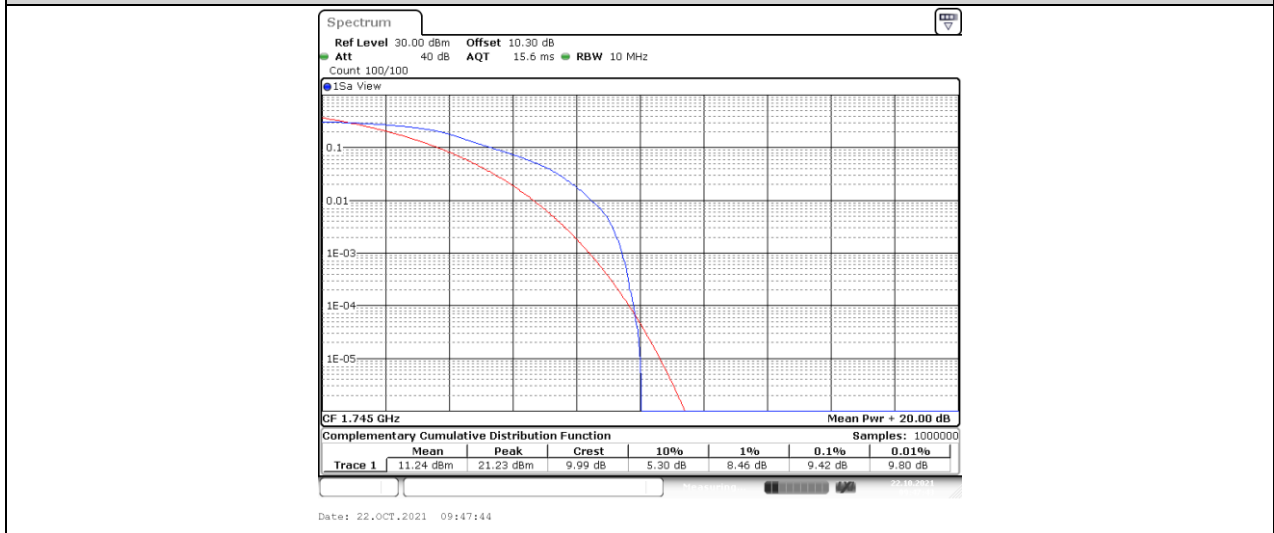
Band66-15MHz-16QAM-132322-6-0-Low-10.75-<=13-PASS



Band66-20MHz-QPSK-132322-6-0-Low-9.42-<=13-PASS



Band66-20MHz-16QAM-132322-6-0-Low-9.42-<=13-PASS



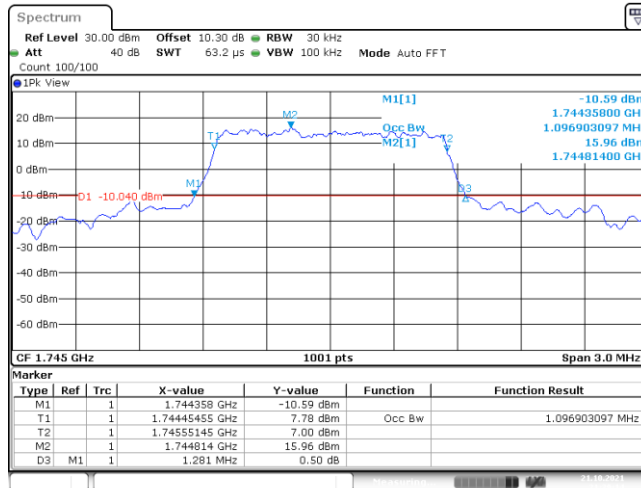
APPENDIX J.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH FOR M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	132322	QPSK	6	0	Low	1.097	1.281	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	1.097	1.281	PASS
Band66	3MHz	132322	QPSK	6	0	Low	1.103	1.290	PASS
Band66	3MHz	132322	16QAM	6	0	Low	1.103	1.290	PASS
Band66	5MHz	132322	QPSK	6	0	Low	1.109	1.300	PASS
Band66	5MHz	132322	16QAM	6	0	Low	1.109	1.300	PASS
Band66	10MHz	132322	QPSK	6	0	Low	1.119	1.320	PASS
Band66	10MHz	132322	16QAM	6	0	Low	1.119	1.320	PASS
Band66	15MHz	132322	QPSK	6	0	Low	1.139	1.320	PASS
Band66	15MHz	132322	16QAM	6	0	Low	1.139	1.320	PASS
Band66	20MHz	132322	QPSK	6	0	Low	1.119	1.360	PASS
Band66	20MHz	132322	16QAM	6	0	Low	1.119	1.360	PASS

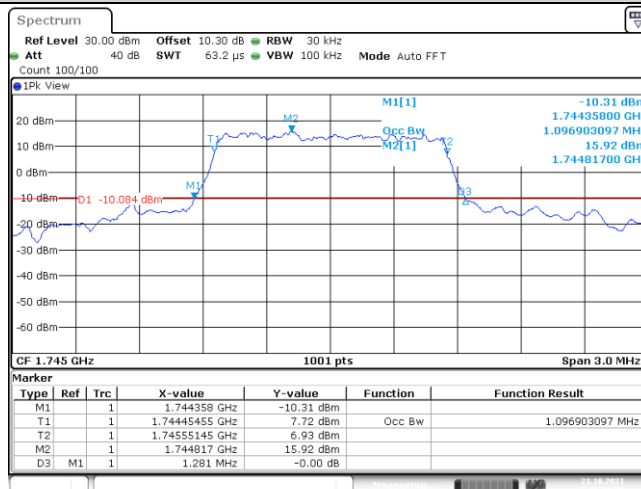
Test Graphs

Band66-1.4MHz-QPSK-132322-6-0-Low-1.097-1.281-PASS



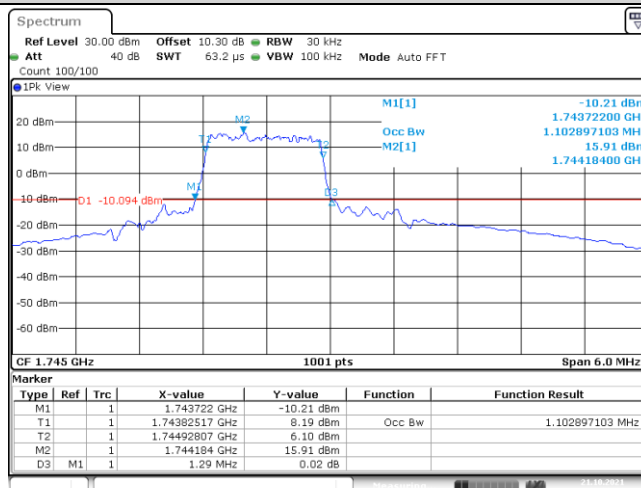
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Band66-1.4MHz-16QAM-132322-6-0-Low-1.097-1.281-PASS



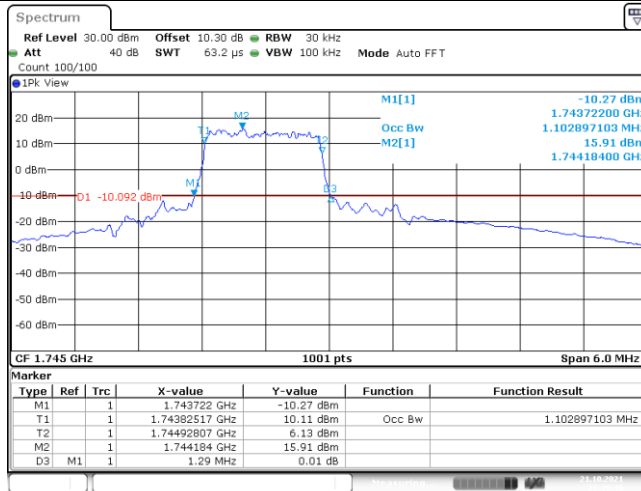
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Band66-3MHz-QPSK-132322-6-0-Low-1.103-1.290-PASS



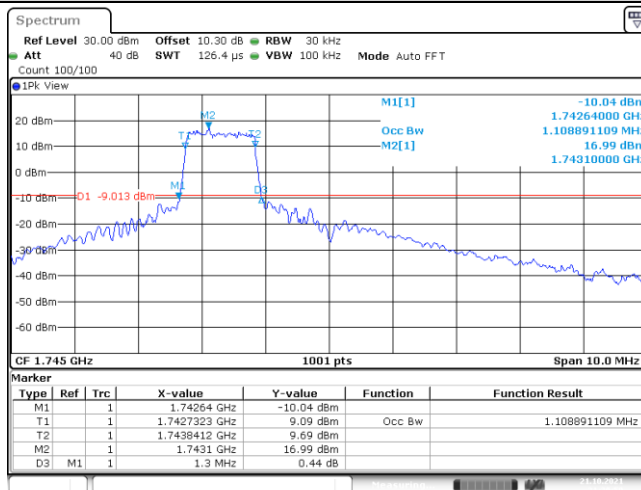
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Band66-3MHz-16QAM-132322-6-0-Low-1.103-1.290-PASS



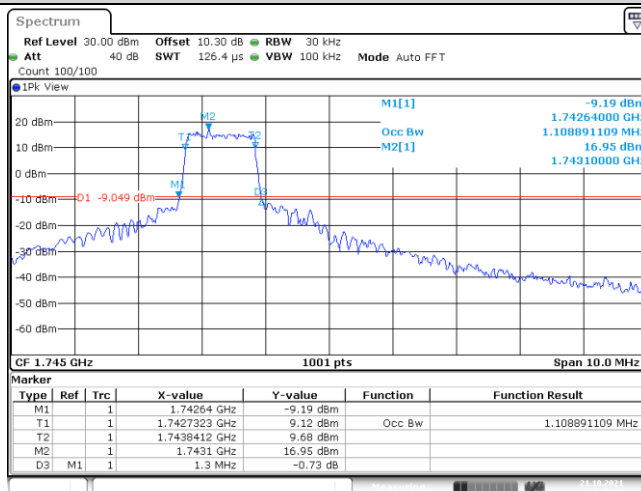
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Band66-5MHz-QPSK-132322-6-0-Low-1.109-1.300-PASS



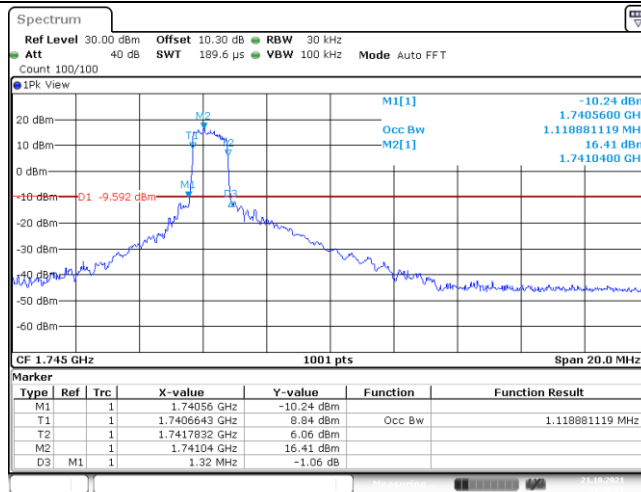
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Band66-5MHz-16QAM-132322-6-0-Low-1.109-1.300-PASS



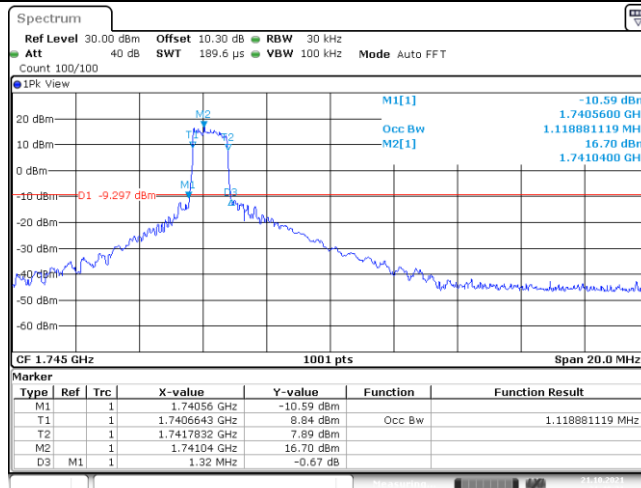
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Band66-10MHz-QPSK-132322-6-0-Low-1.119-1.320-PASS



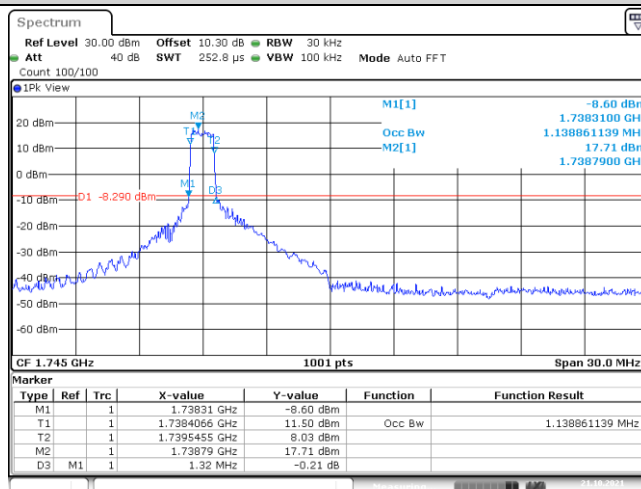
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Band66-10MHz-16QAM-132322-6-0-Low-1.119-1.320-PASS



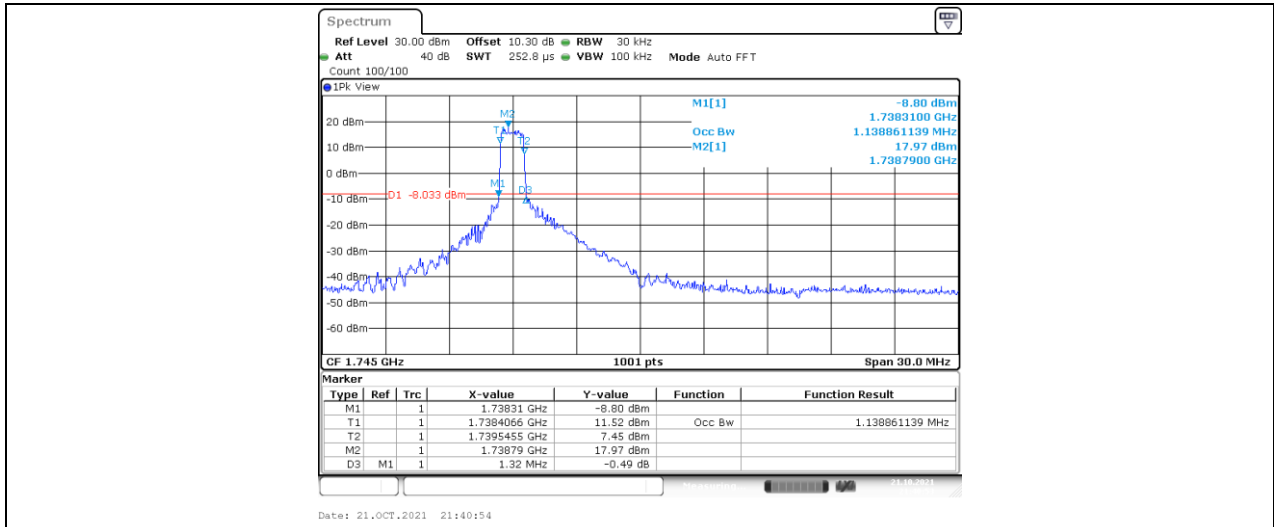
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Band66-15MHz-QPSK-132322-6-0-Low-1.139-1.320-PASS

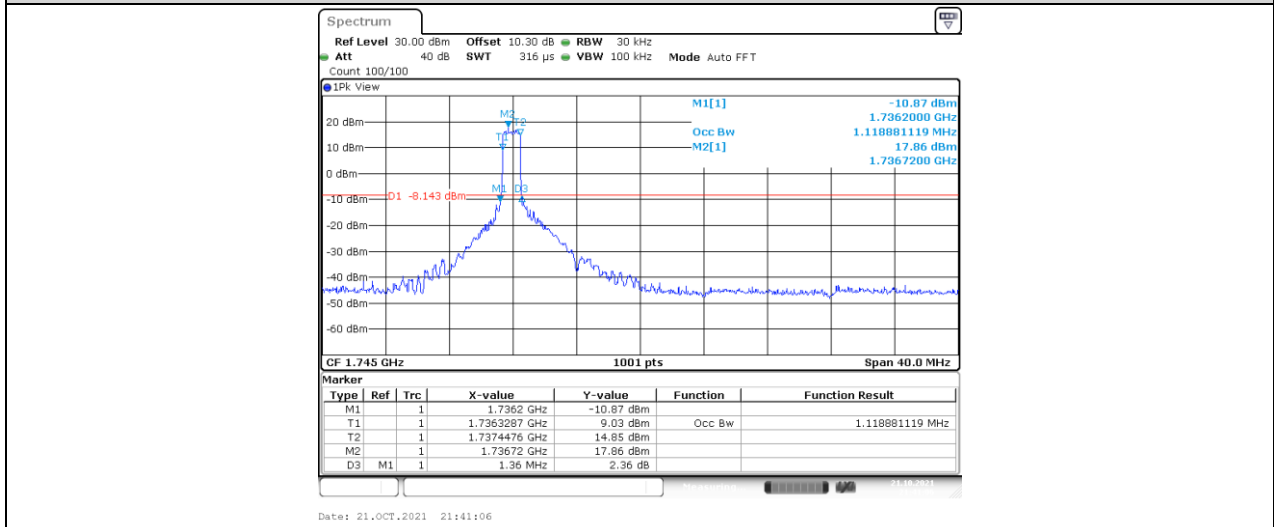


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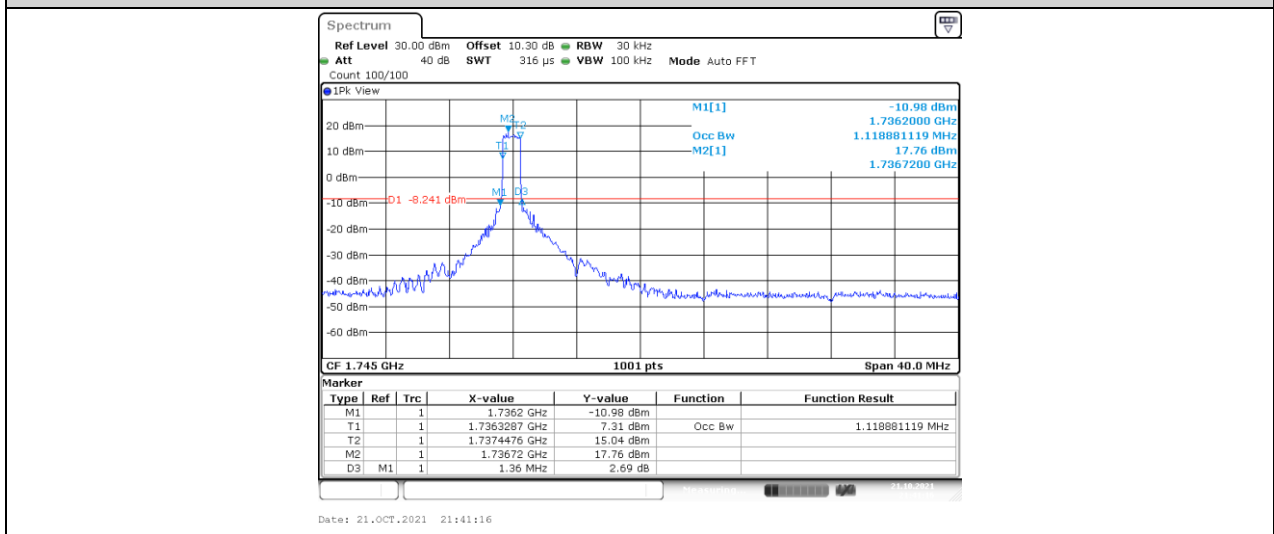
Band66-15MHz-16QAM-132322-6-0-Low-1.139-1.320-PASS



Band66-20MHz-QPSK-132322-6-0-Low-1.119-1.360-PASS



Band66-20MHz-16QAM-132322-6-0-Low-1.119-1.360-PASS

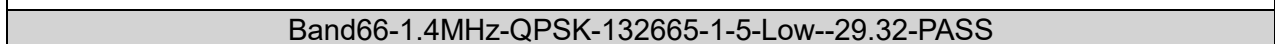
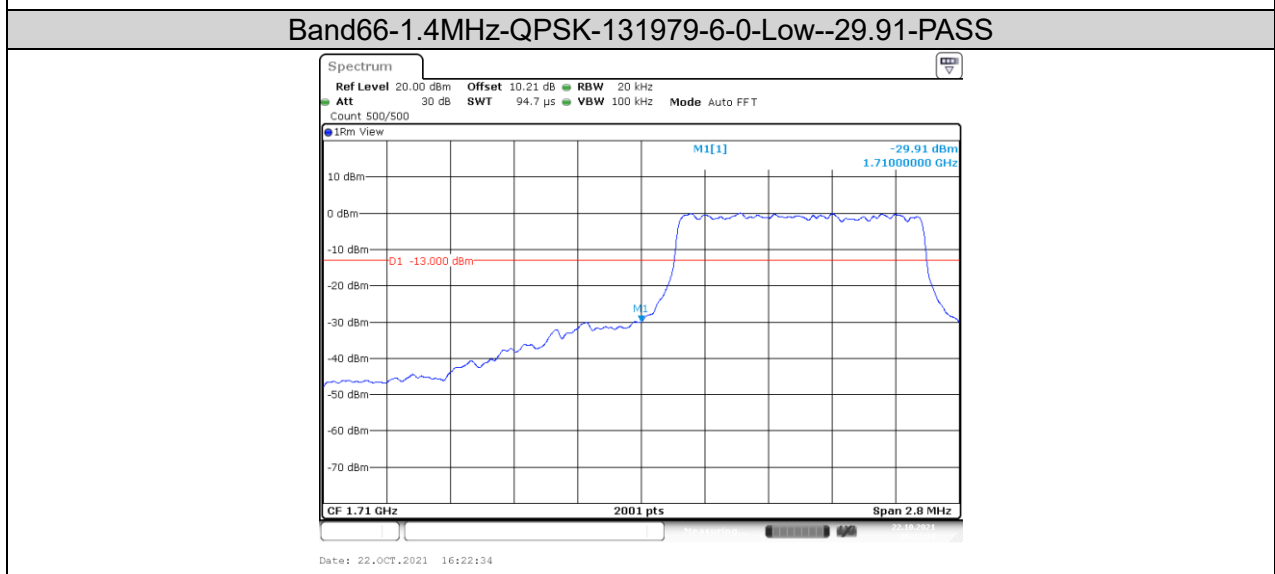
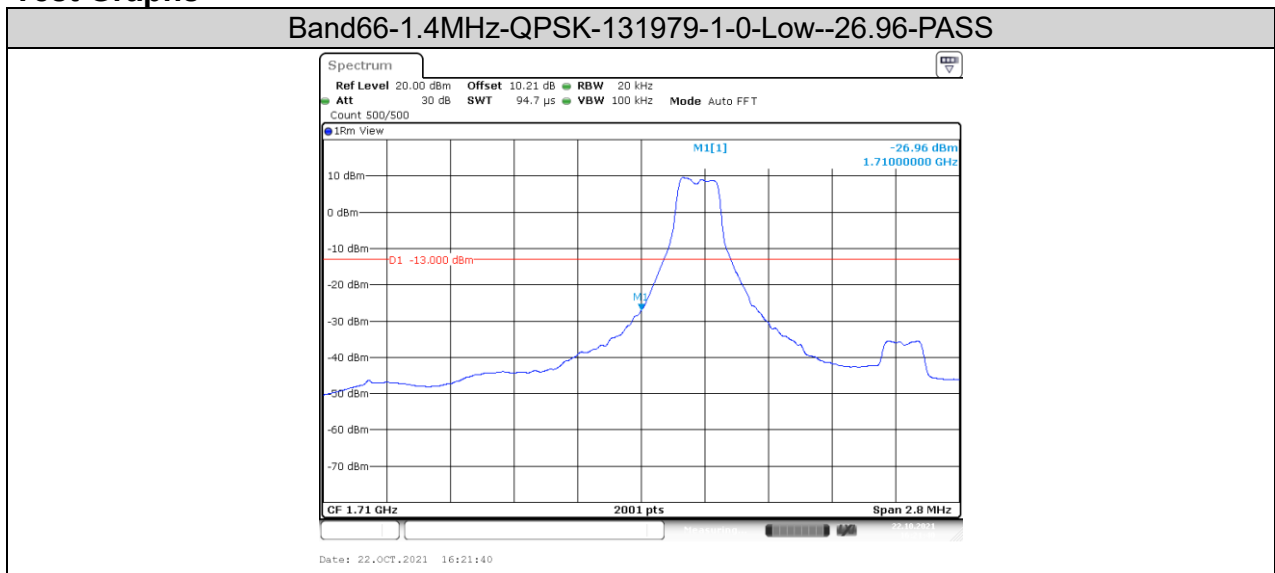


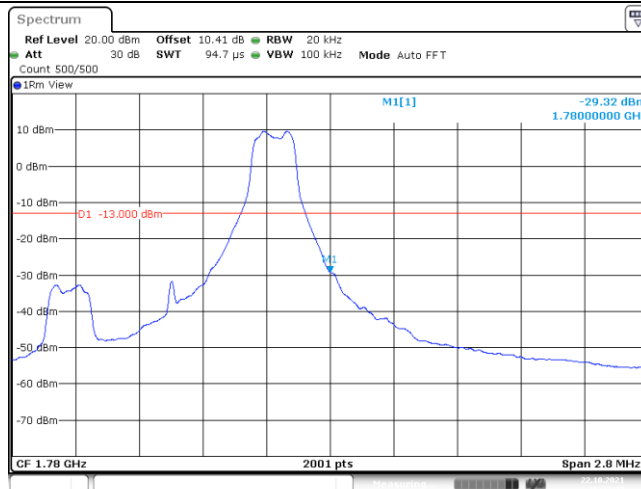
APPENDIX J.4: BAND EDGE FOR M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band66	1.4MHz	131979	QPSK	1	0	Low	-26.96	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	-29.91	PASS
Band66	1.4MHz	132665	QPSK	1	5	Low	-29.32	PASS
Band66	1.4MHz	132665	QPSK	6	0	Low	-31.75	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	-28.68	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	-29.47	PASS
Band66	1.4MHz	132665	16QAM	1	5	Low	-29.93	PASS
Band66	1.4MHz	132665	16QAM	6	0	Low	-32.53	PASS

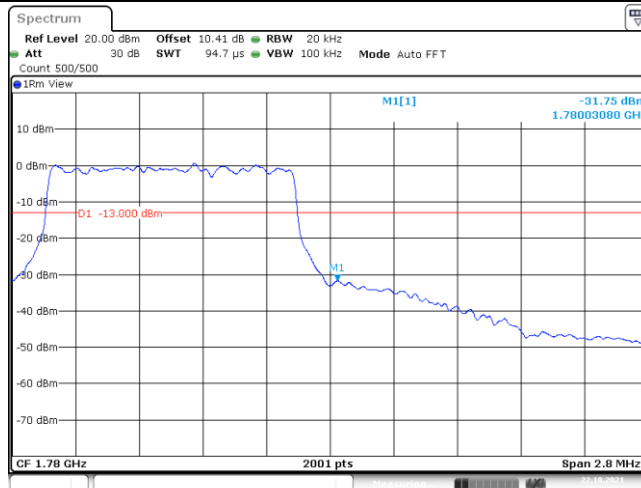
Test Graphs





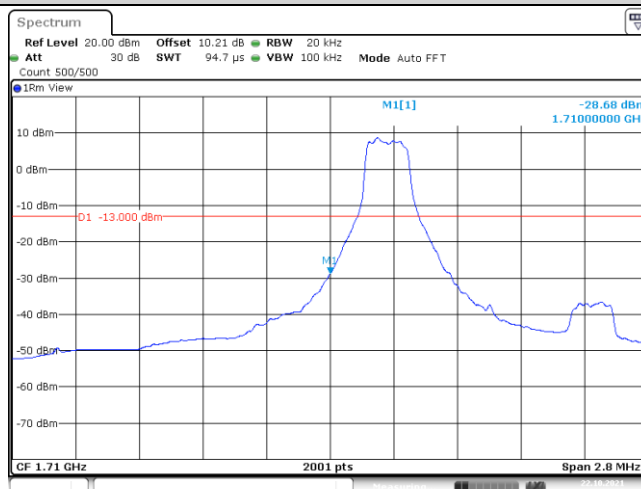
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Band66-1.4MHz-QPSK-132665-6-0-Low--31.75-PASS



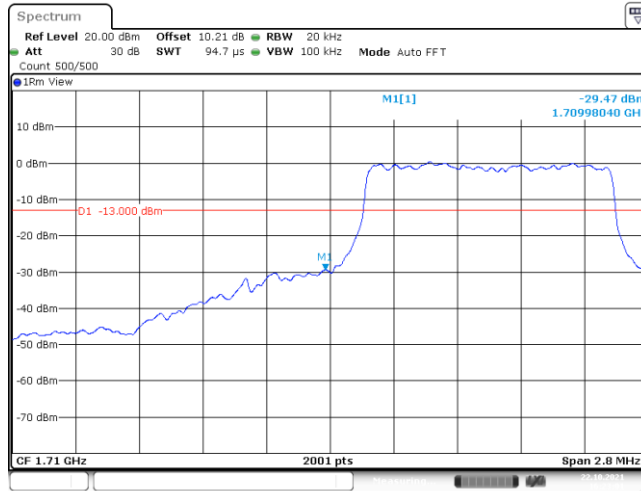
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Band66-1.4MHz-16QAM-131979-1-0-Low--28.68-PASS



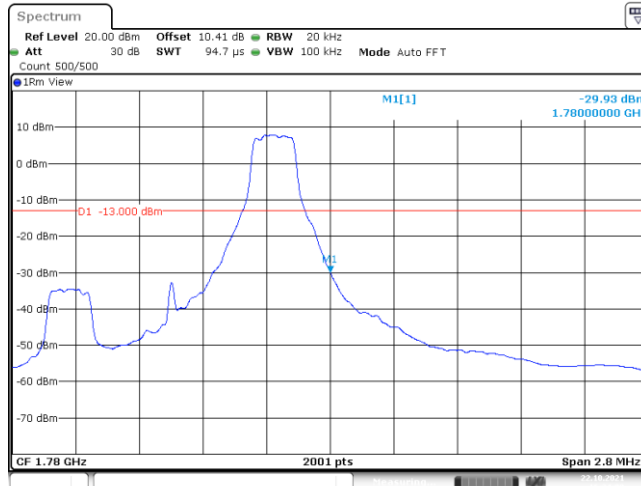
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Band66-1.4MHz-16QAM-131979-6-0-Low--29.47-PASS



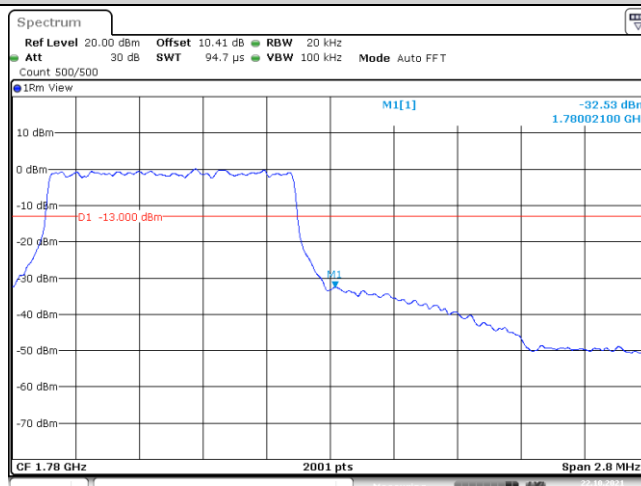
Date: 22.OCT.2021 16:23:01

Band66-1.4MHz-16QAM-132665-1-5-Low--29.93-PASS



Date: 22.OCT.2021 16:24:00

Band66-1.4MHz-16QAM-132665-6-0-Low--32.53-PASS



Date: 22.OCT.2021 16:24:54

APPENDIX J.5: CONDUCTED SPURIOUS EMISSION FOR M1

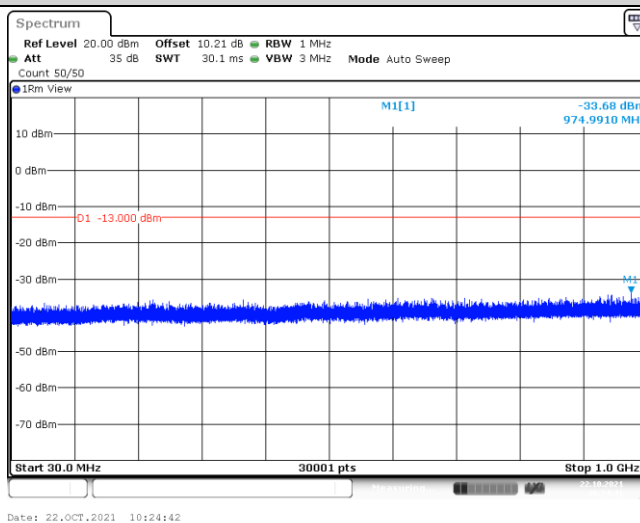
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band66	1.4MHz	131979	QPSK	1	0	Low	30	1000	-33.68	PASS
Band66	1.4MHz	131979	QPSK	1	0	Low	1000	5000	-33.16	PASS
Band66	1.4MHz	131979	QPSK	1	0	Low	5000	12000	-45.83	PASS
Band66	1.4MHz	131979	QPSK	1	0	Low	12000	26500	-48.91	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	30	1000	-34.51	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	1000	5000	-36.09	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	5000	12000	-51.38	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	12000	26500	-48.82	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	30	1000	-34.84	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	1000	5000	-34.05	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	5000	12000	-44	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	12000	26500	-48.82	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	30	1000	-34.36	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	1000	5000	-37.16	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	5000	12000	-49.03	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	12000	26500	-48.82	PASS
Band66	1.4MHz	132665	QPSK	1	5	Low	30	1000	-33.59	PASS
Band66	1.4MHz	132665	QPSK	1	5	Low	1000	5000	-35.93	PASS
Band66	1.4MHz	132665	QPSK	1	5	Low	5000	12000	-46.86	PASS
Band66	1.4MHz	132665	QPSK	1	5	Low	12000	26500	-48.65	PASS
Band66	1.4MHz	132665	QPSK	6	0	Low	30	1000	-34.26	PASS
Band66	1.4MHz	132665	QPSK	6	0	Low	1000	5000	-38.06	PASS
Band66	1.4MHz	132665	QPSK	6	0	Low	5000	12000	-51.55	PASS
Band66	1.4MHz	132665	QPSK	6	0	Low	12000	26500	-48.76	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	30	1000	-34.71	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	1000	5000	-33.89	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	5000	12000	-46.38	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	12000	26500	-48.64	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	30	1000	-33.66	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	1000	5000	-36.27	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	5000	12000	-50.37	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	12000	26500	-48.77	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	30	1000	-34.38	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	1000	5000	-35.1	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	5000	12000	-45.7	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	12000	26500	-48.73	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	30	1000	-34.72	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	1000	5000	-37.2	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	5000	12000	-49.71	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	12000	26500	-48.67	PASS
Band66	1.4MHz	132665	16QAM	1	5	Low	30	1000	-34.3	PASS

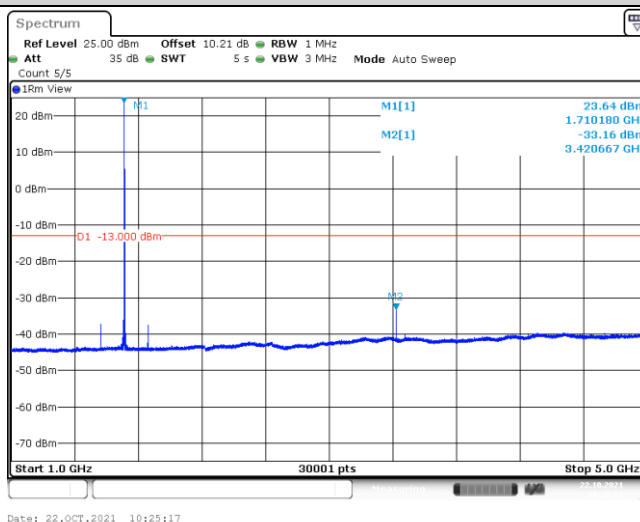
Band66	1.4MHz	132665	16QAM	1	5	Low	1000	5000	-36.27	PASS
Band66	1.4MHz	132665	16QAM	1	5	Low	5000	12000	-51.45	PASS
Band66	1.4MHz	132665	16QAM	1	5	Low	12000	26500	-48.74	PASS
Band66	1.4MHz	132665	16QAM	6	0	Low	30	1000	-33.51	PASS
Band66	1.4MHz	132665	16QAM	6	0	Low	1000	5000	-37.98	PASS
Band66	1.4MHz	132665	16QAM	6	0	Low	5000	12000	-51.14	PASS
Band66	1.4MHz	132665	16QAM	6	0	Low	12000	26500	-48.65	PASS

Test Graphs

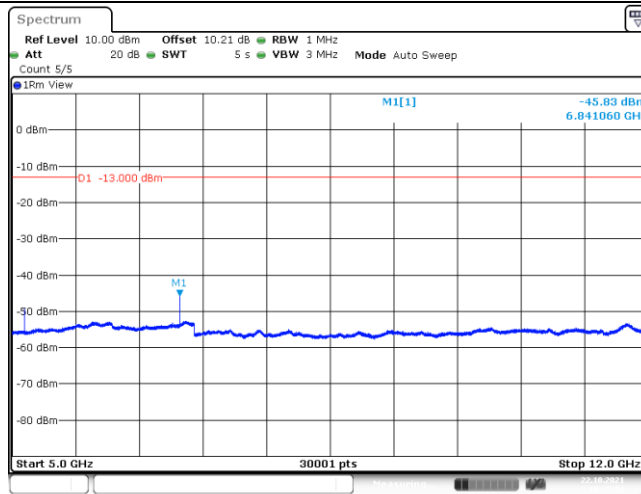
Band66-1.4MHz-QPSK-131979-1-0-Low-30-1000--33.68-PASS



Band66-1.4MHz-QPSK-131979-1-0-Low-1000-5000--33.16-PASS

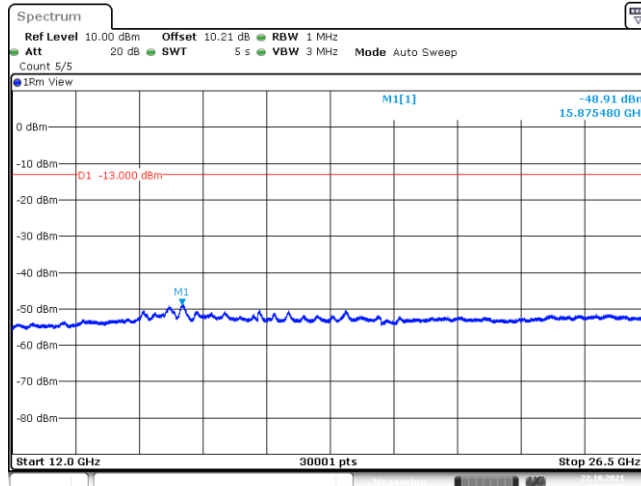


Band66-1.4MHz-QPSK-131979-1-0-Low-5000-12000--45.83-PASS



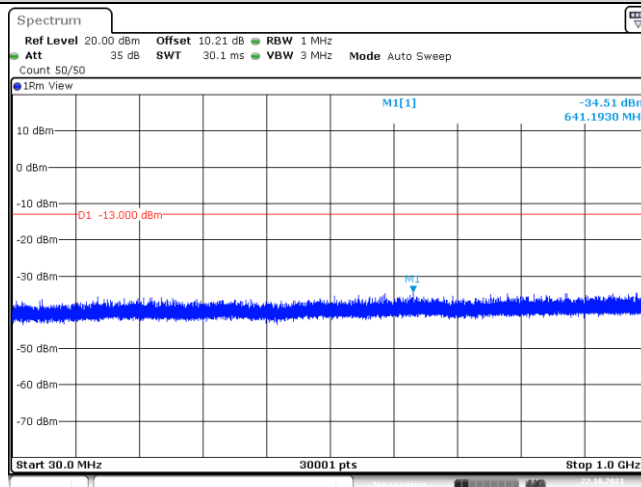
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Band66-1.4MHz-QPSK-131979-1-0-Low-12000-26500--48.91-PASS



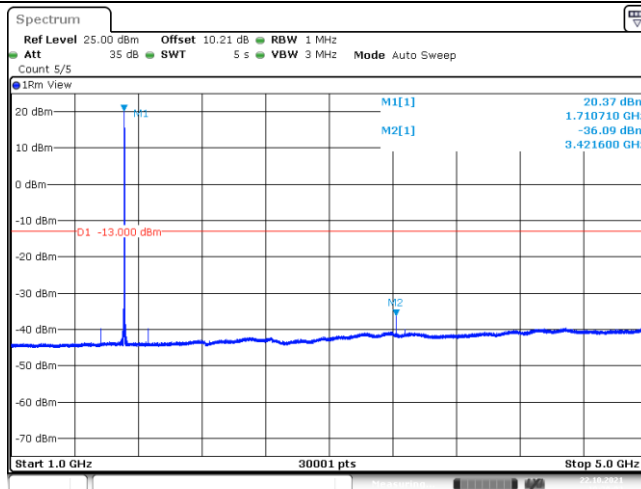
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Band66-1.4MHz-QPSK-131979-6-0-Low-30-1000--34.51-PASS



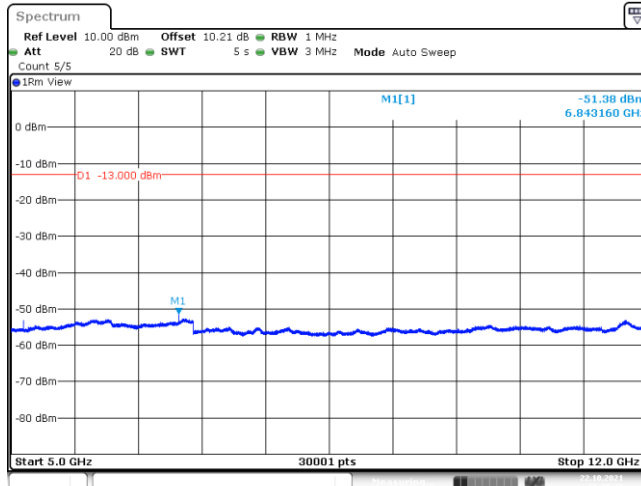
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Band66-1.4MHz-QPSK-131979-6-0-Low-1000-5000--36.09-PASS



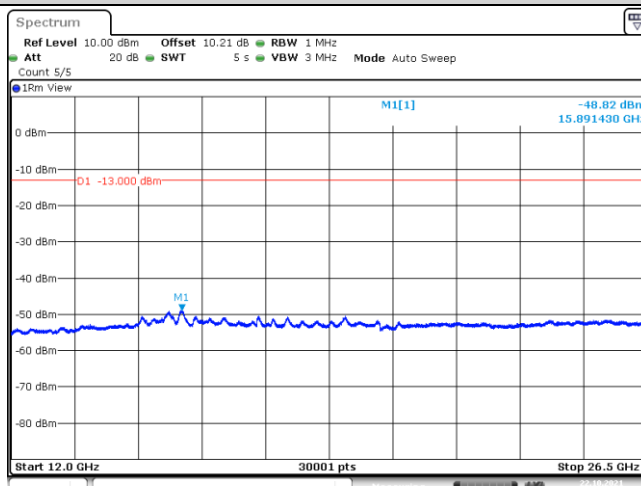
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Band66-1.4MHz-QPSK-131979-6-0-Low-5000-12000--51.38-PASS



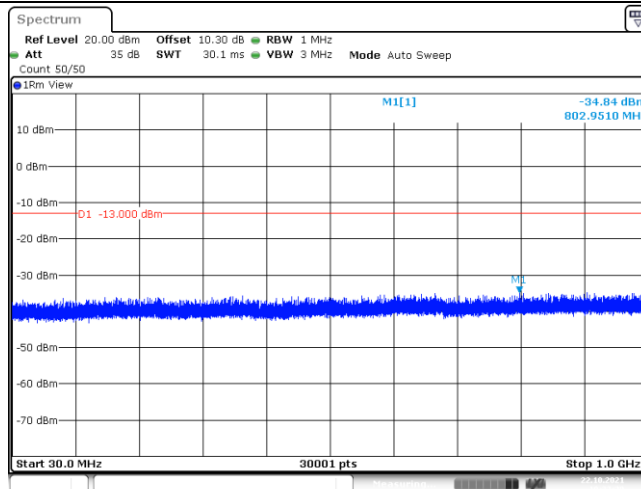
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Band66-1.4MHz-QPSK-131979-6-0-Low-12000-26500--48.82-PASS



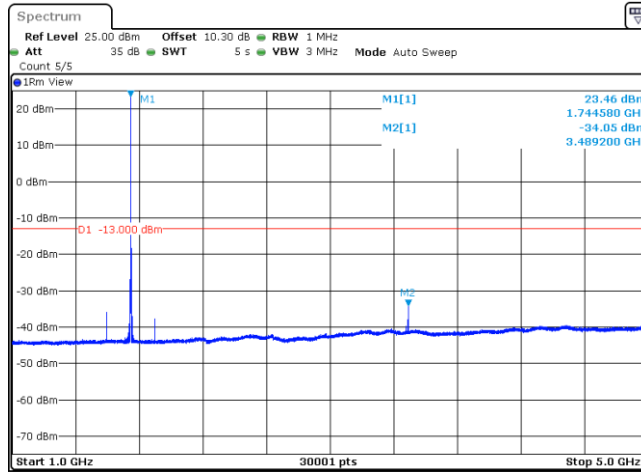
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Band66-1.4MHz-QPSK-132322-1-0-Low-30-1000--34.84-PASS



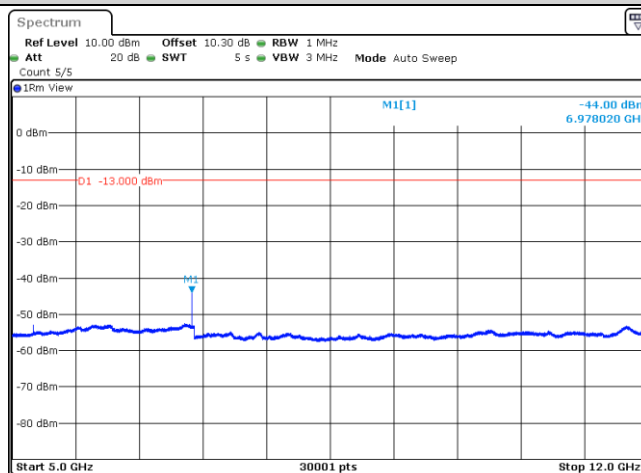
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Band66-1.4MHz-QPSK-132322-1-0-Low-1000-5000--34.05-PASS



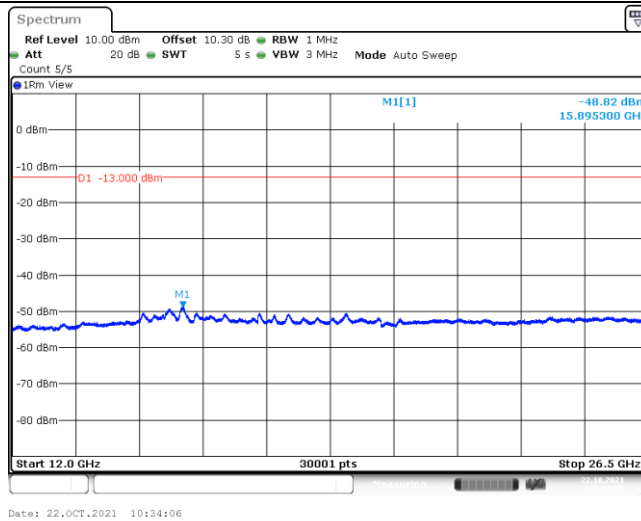
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Band66-1.4MHz-QPSK-132322-1-0-Low-5000-12000--44-PASS

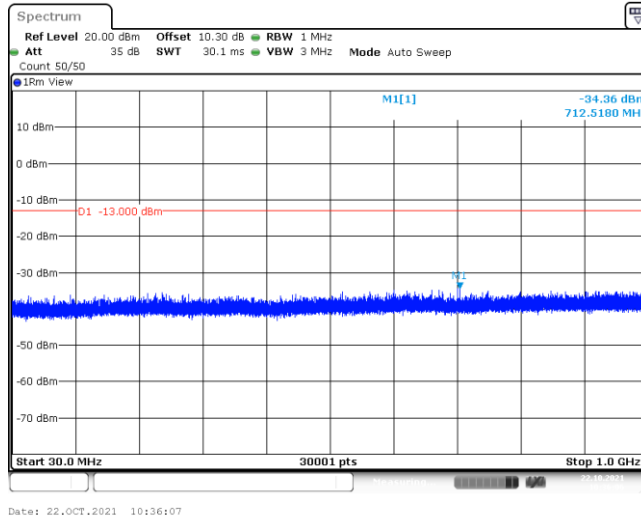


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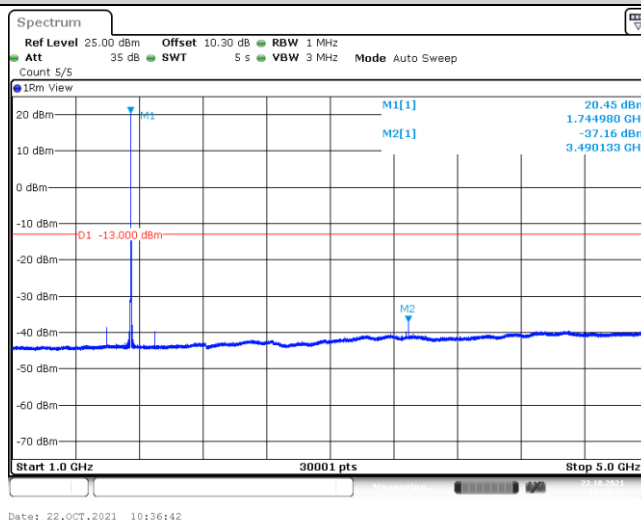
Band66-1.4MHz-QPSK-132322-1-0-Low-12000-26500--48.82-PASS



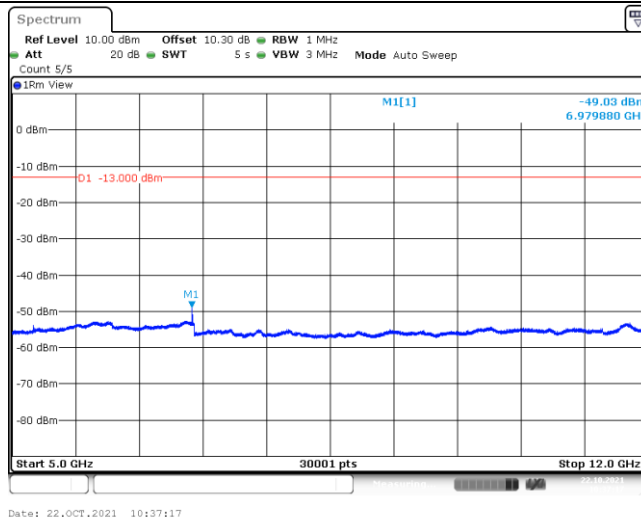
Band66-1.4MHz-QPSK-132322-6-0-Low-30-1000--34.36-PASS



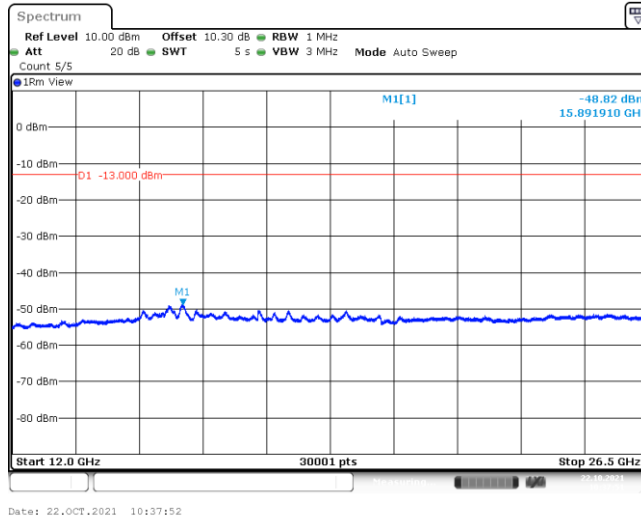
Band66-1.4MHz-QPSK-132322-6-0-Low-1000-5000--37.16-PASS



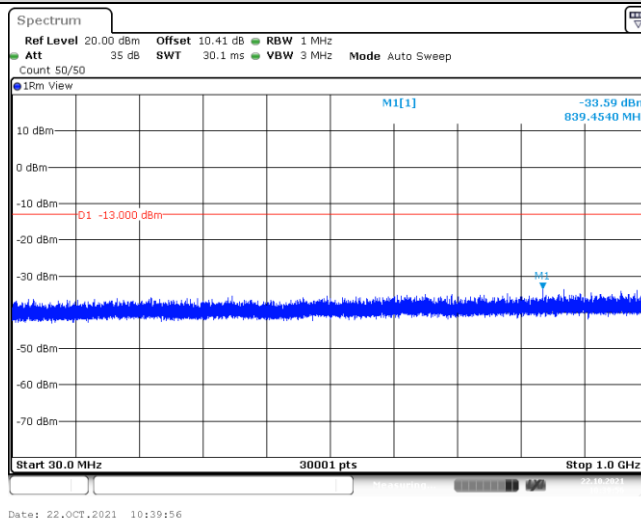
Band66-1.4MHz-QPSK-132322-6-0-Low-5000-12000--49.03-PASS



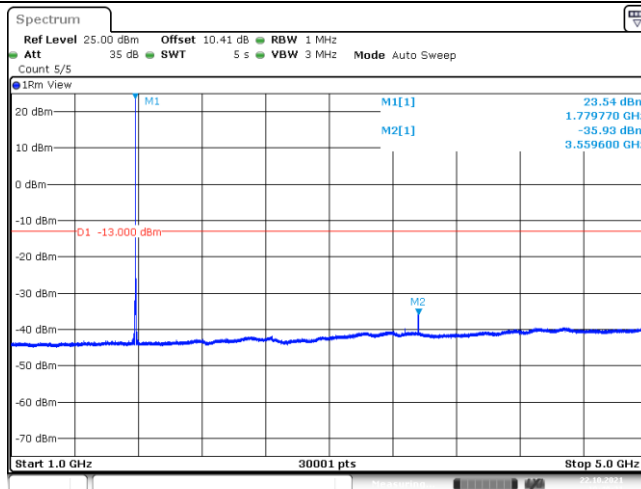
Band66-1.4MHz-QPSK-132322-6-0-Low-12000-26500--48.82-PASS



Band66-1.4MHz-QPSK-132665-1-5-Low-30-1000--33.59-PASS

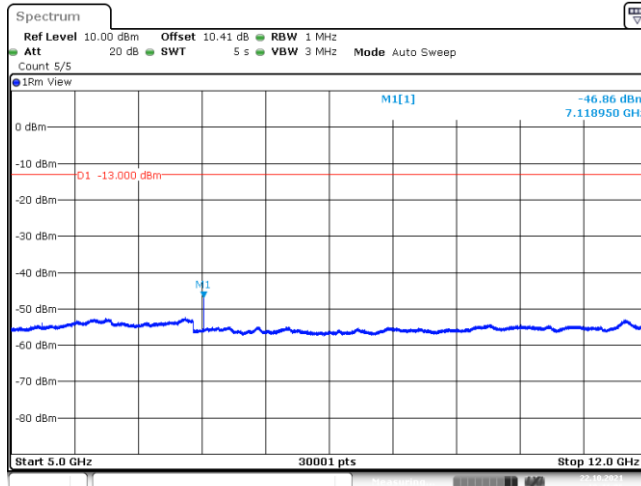


Band66-1.4MHz-QPSK-132665-1-5-Low-1000-5000--35.93-PASS



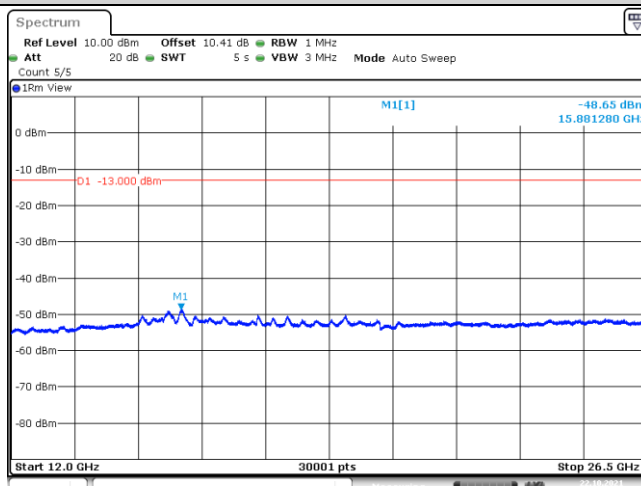
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Band66-1.4MHz-QPSK-132665-1-5-Low-5000-12000--46.86-PASS



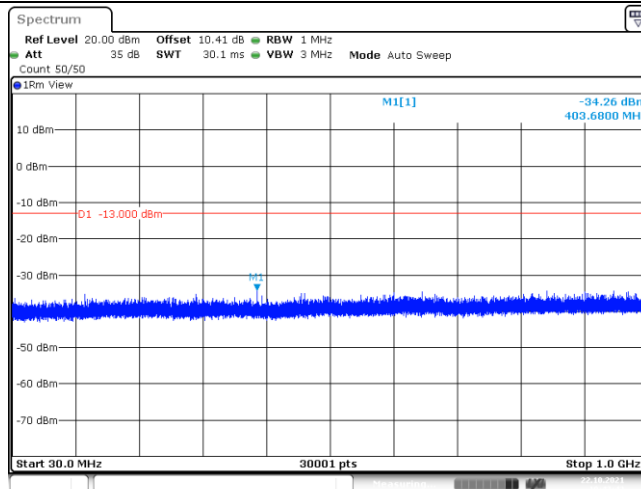
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Band66-1.4MHz-QPSK-132665-1-5-Low-12000-26500--48.65-PASS



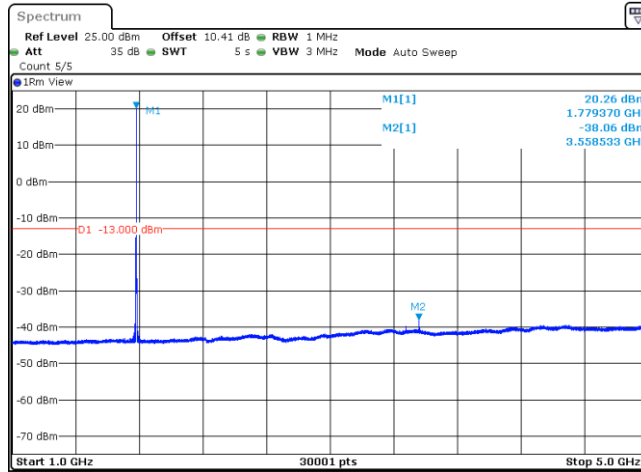
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Band66-1.4MHz-QPSK-132665-6-0-Low-30-1000--34.26-PASS



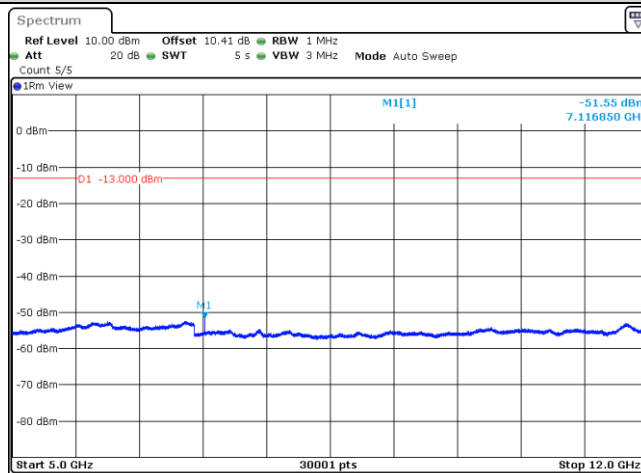
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Band66-1.4MHz-QPSK-132665-6-0-Low-1000-5000--38.06-PASS



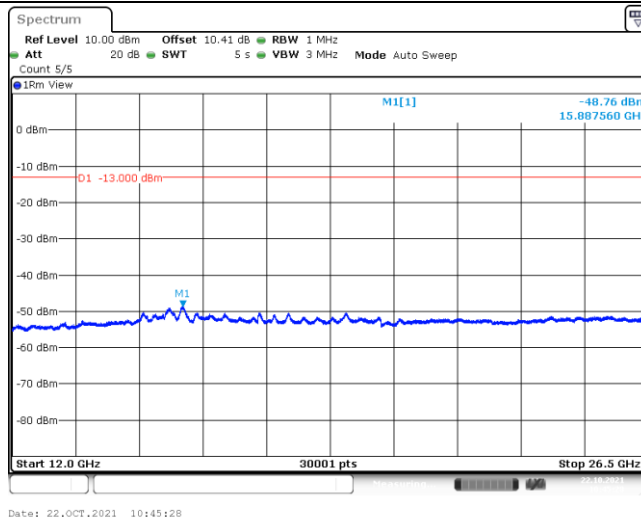
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Band66-1.4MHz-QPSK-132665-6-0-Low-5000-12000--51.55-PASS

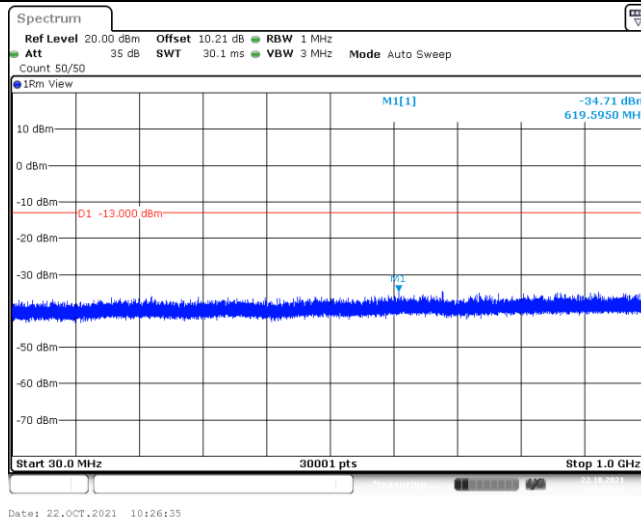


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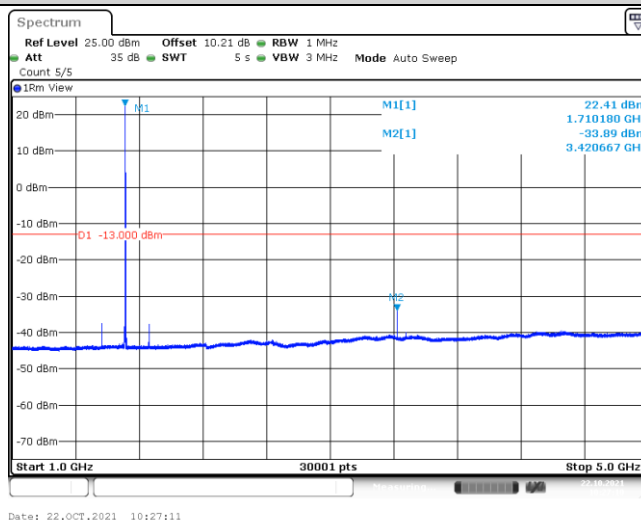
Band66-1.4MHz-QPSK-132665-6-0-Low-12000-26500--48.76-PASS



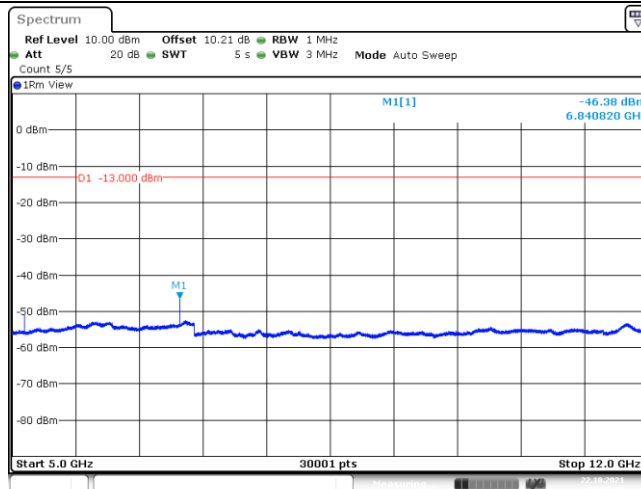
Band66-1.4MHz-16QAM-131979-1-0-Low-30-1000--34.71-PASS



Band66-1.4MHz-16QAM-131979-1-0-Low-1000-5000--33.89-PASS

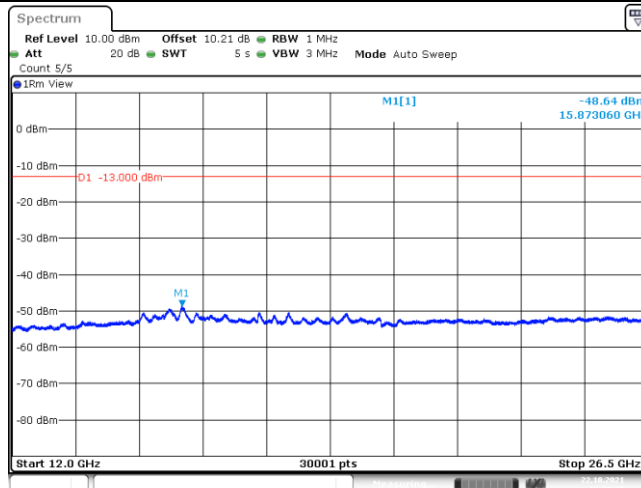


Band66-1.4MHz-16QAM-131979-1-0-Low-5000-12000--46.38-PASS



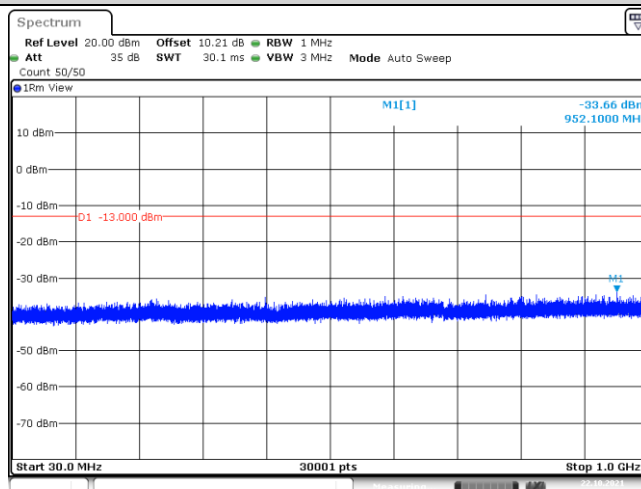
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Band66-1.4MHz-16QAM-131979-1-0-Low-12000-26500--48.64-PASS



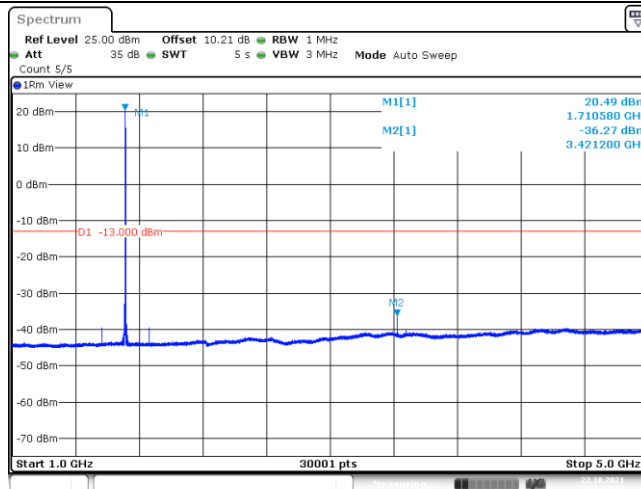
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Band66-1.4MHz-16QAM-131979-6-0-Low-30-1000--33.66-PASS



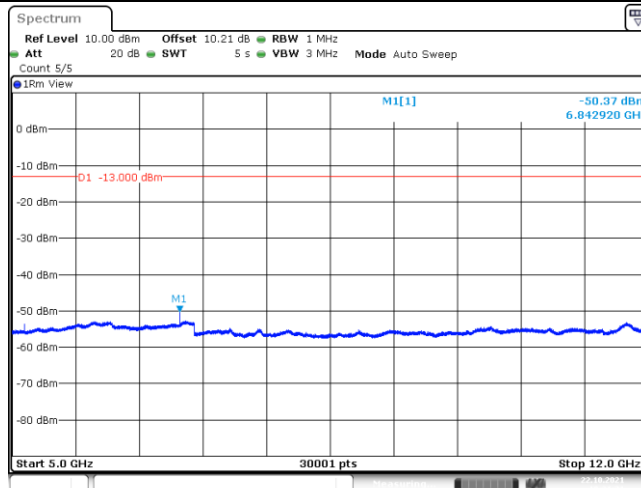
Date: 22.OCT.2021 10:30:21

Band66-1.4MHz-16QAM-131979-6-0-Low-1000-5000--36.27-PASS



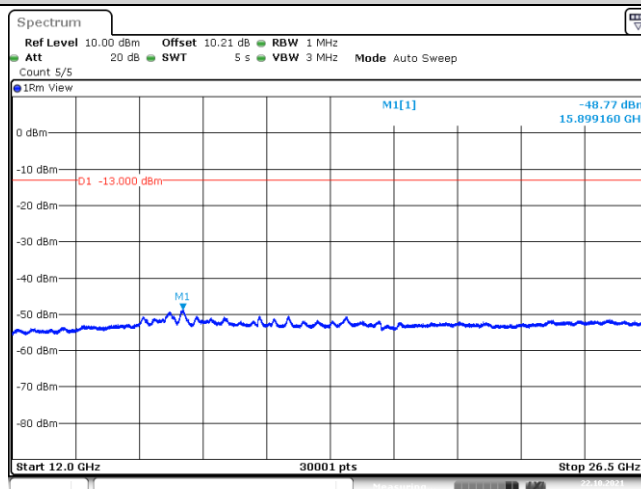
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Band66-1.4MHz-16QAM-131979-6-0-Low-5000-12000--50.37-PASS



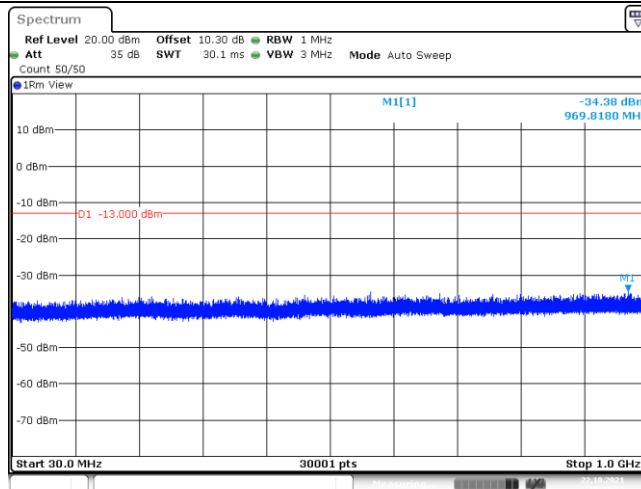
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Band66-1.4MHz-16QAM-131979-6-0-Low-12000-26500--48.77-PASS



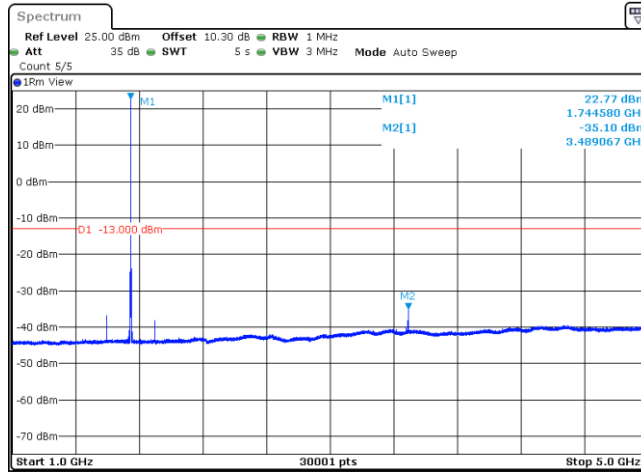
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Band66-1.4MHz-16QAM-132322-1-0-Low-30-1000--34.38-PASS



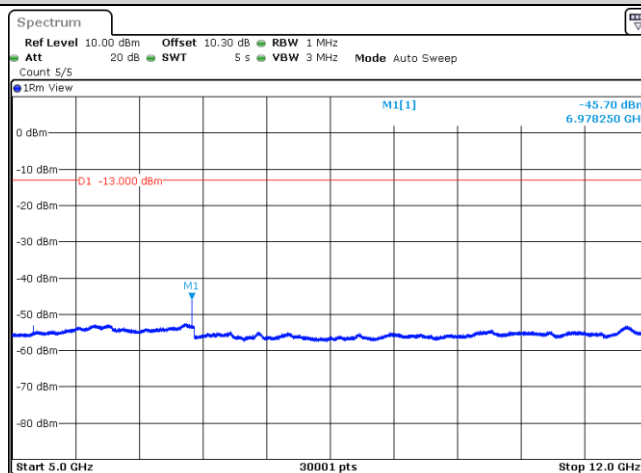
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Band66-1.4MHz-16QAM-132322-1-0-Low-1000-5000--35.1-PASS



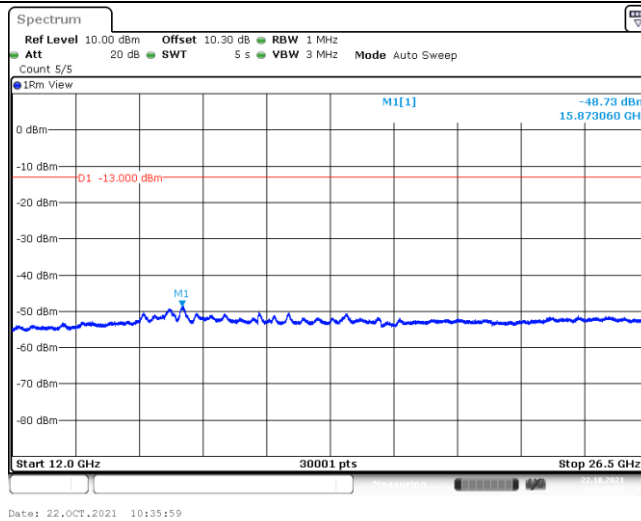
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Band66-1.4MHz-16QAM-132322-1-0-Low-5000-12000--45.7-PASS

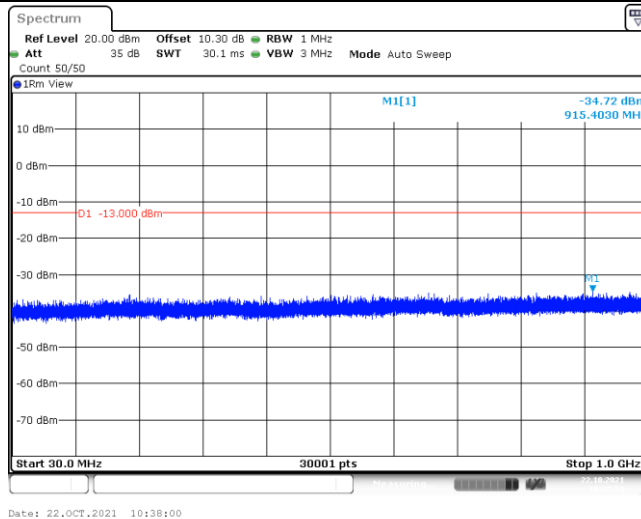


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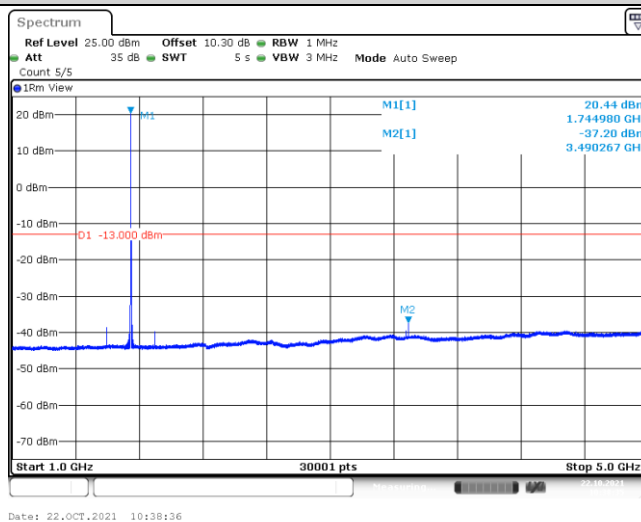
Band66-1.4MHz-16QAM-132322-1-0-Low-12000-26500--48.73-PASS



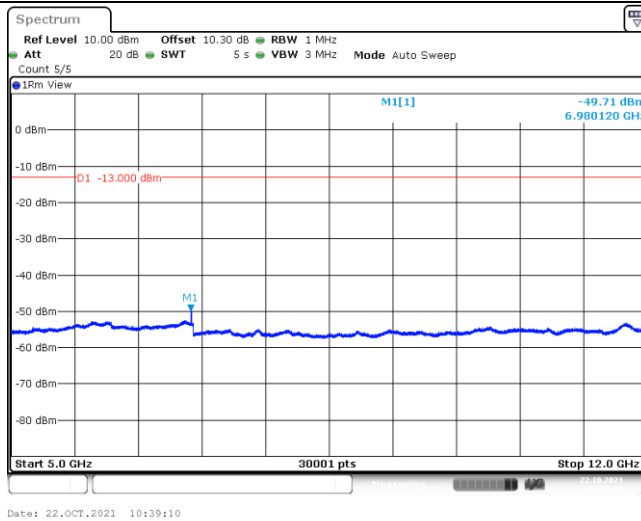
Band66-1.4MHz-16QAM-132322-6-0-Low-30-1000--34.72-PASS



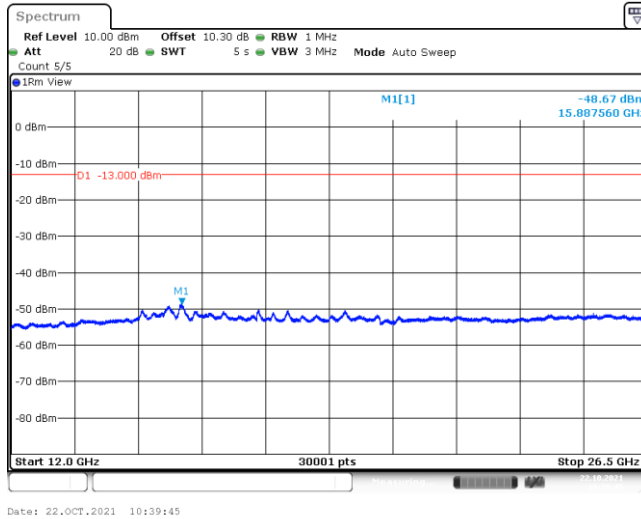
Band66-1.4MHz-16QAM-132322-6-0-Low-1000-5000--37.2-PASS



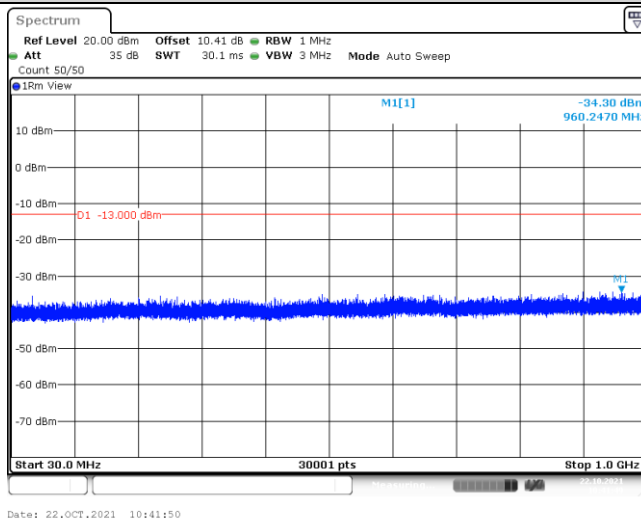
Band66-1.4MHz-16QAM-132322-6-0-Low-5000-12000--49.71-PASS



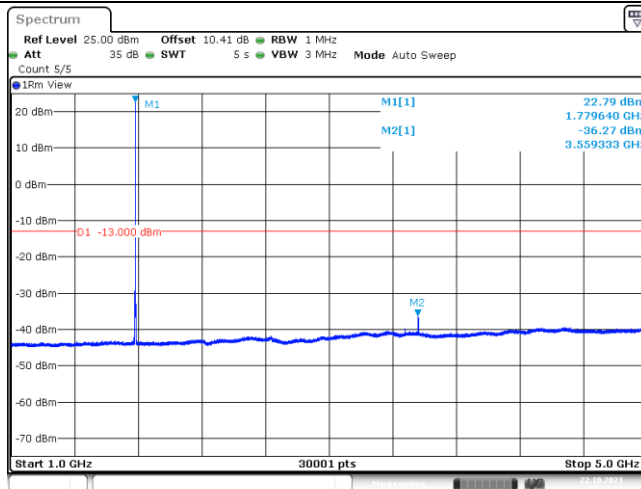
Band66-1.4MHz-16QAM-132322-6-0-Low-12000-26500--48.67-PASS



Band66-1.4MHz-16QAM-132665-1-5-Low-30-1000--34.3-PASS

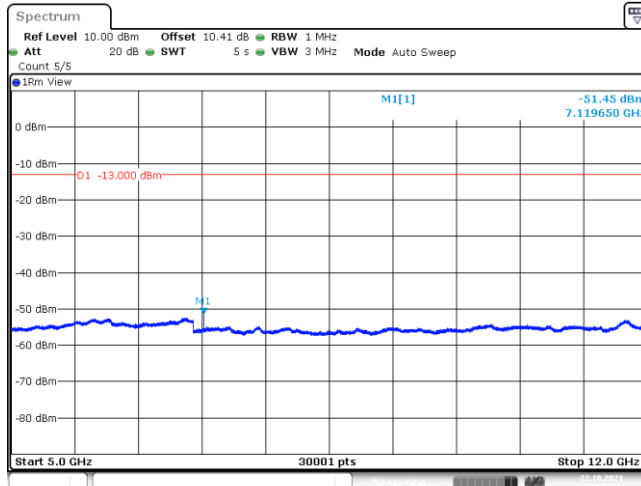


Band66-1.4MHz-16QAM-132665-1-5-Low-1000-5000--36.27-PASS



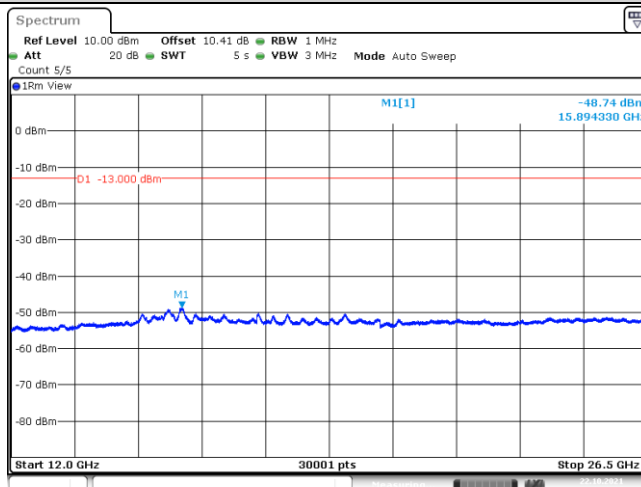
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Band66-1.4MHz-16QAM-132665-1-5-Low-5000-12000--51.45-PASS



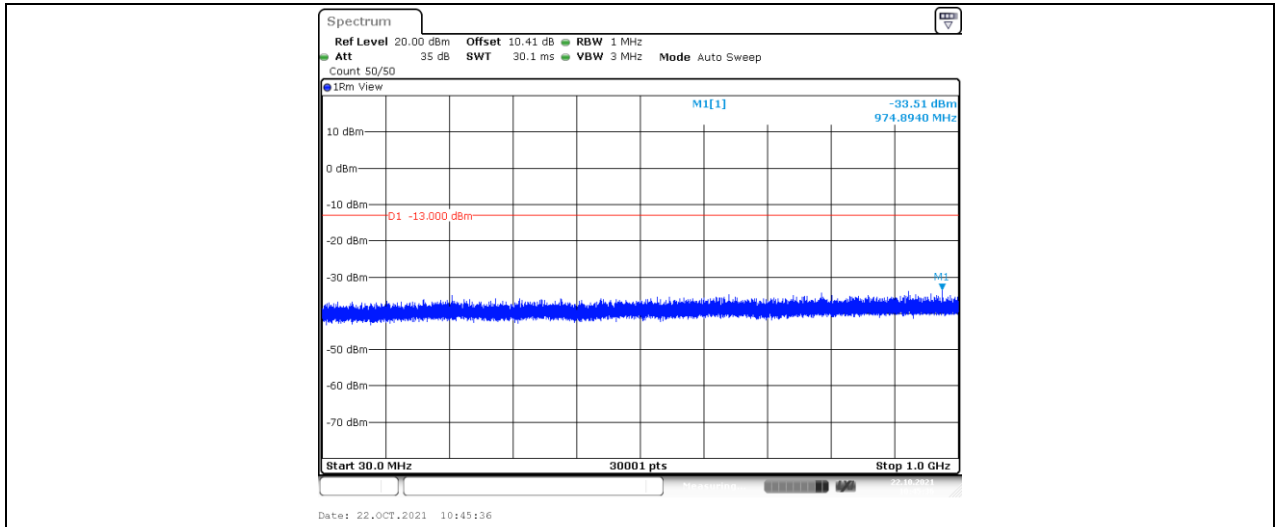
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Band66-1.4MHz-16QAM-132665-1-5-Low-12000-26500--48.74-PASS

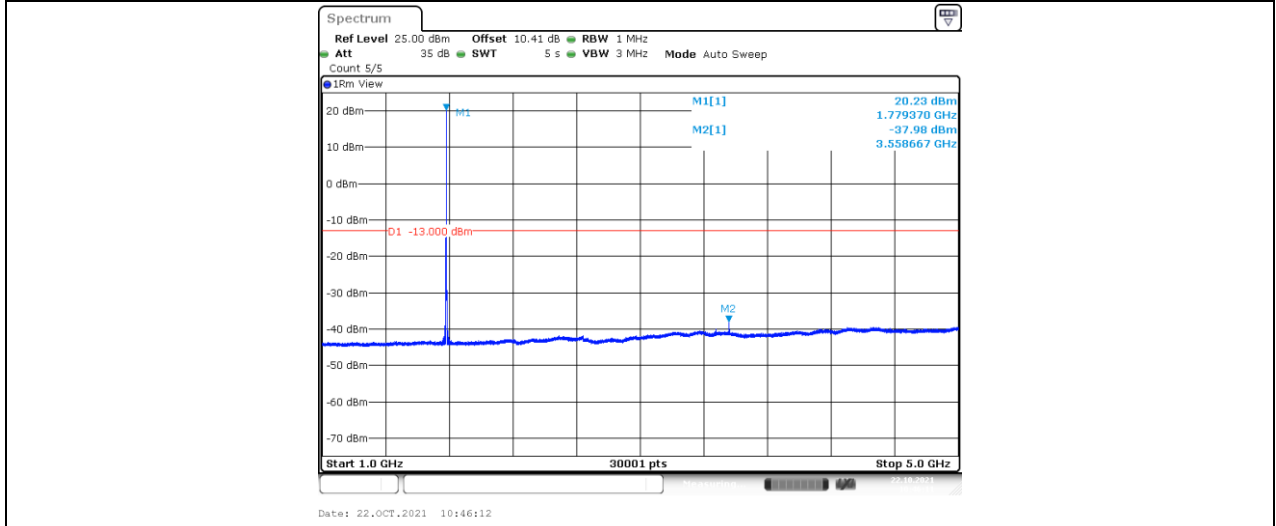


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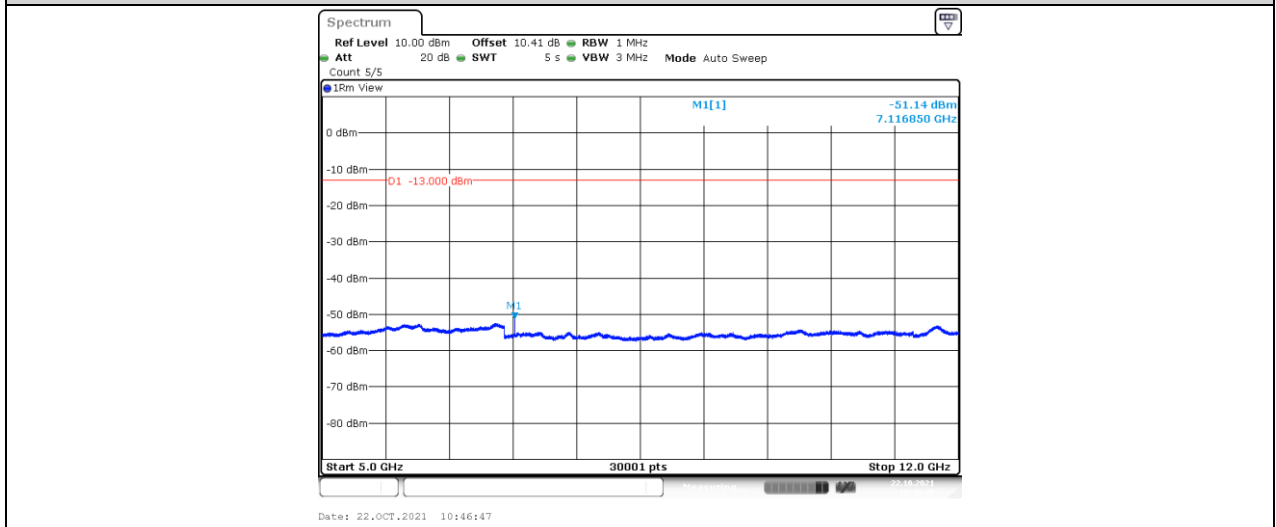
Band66-1.4MHz-16QAM-132665-6-0-Low-30-1000--33.51-PASS



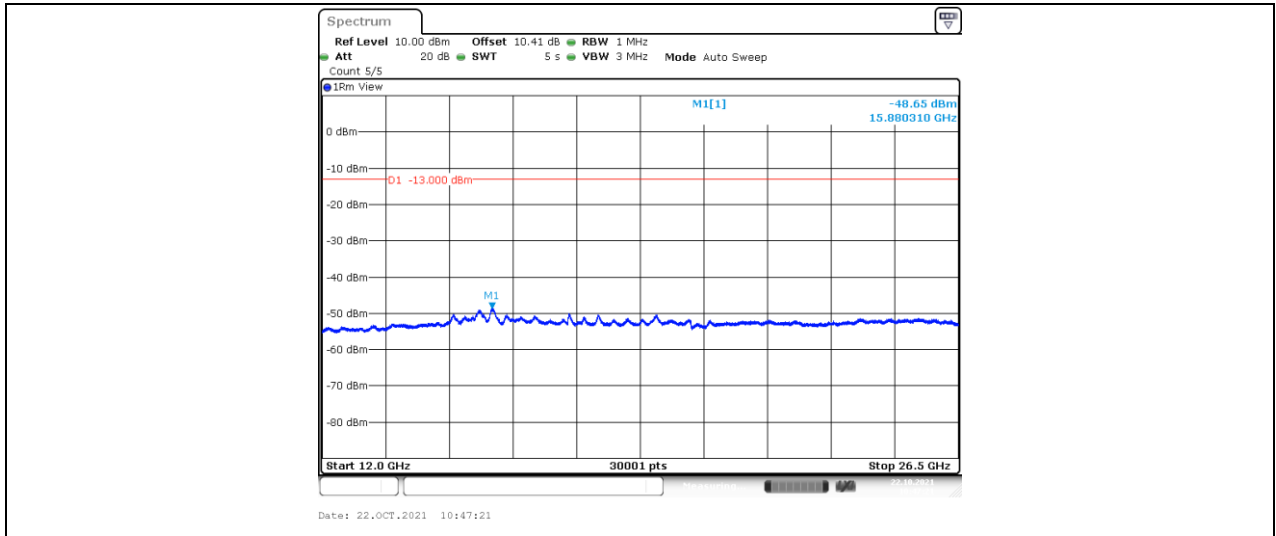
Band66-1.4MHz-16QAM-132665-6-0-Low-1000-5000--37.98-PASS



Band66-1.4MHz-16QAM-132665-6-0-Low-5000-12000--51.14-PASS



Band66-1.4MHz-16QAM-132665-6-0-Low-12000-26500--48.65-PASS



APPENDIX J.6: FREQUENCY STABILITY FOR M1

Test Result

Voltage												
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	1.4MHz	132322	QPSK	1	0	Low	HV	NT	-9.67	-0.005542	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	LV	NT	-10.03	-0.005748	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	NT	-11.96	-0.006854	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	HV	NT	-60.91	-0.034905	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	LV	NT	-56.88	-0.032596	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	NT	-60.67	-0.034768	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	85	-7.38	-0.004229	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	-30	-9.74	-0.005582	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	-20	-10.41	-0.005966	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	-10	-10.36	-0.005937	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	0	-10.54	-0.006040	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	10	-10.09	-0.005782	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	20	-12.17	-0.006974	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	30	-9.58	-0.005490	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	40	-11.12	-0.006372	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	50	-8.38	-0.004802	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	60	-10.59	-0.006069	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	70	-10.16	-0.005822	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	-40	-10.70	-0.006132	±2.5	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	NV	80	-11.12	-0.006372	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	85	-58.98	-0.033799	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	-30	-60.05	-0.034413	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	-20	-60.40	-0.034613	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	-10	-59.34	-0.034006	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	0	-59.77	-0.034252	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	10	-59.82	-0.034281	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	20	-60.60	-0.034728	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	30	-56.91	-0.032613	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	40	-59.98	-0.034372	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	50	-60.00	-0.034384	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	60	-56.58	-0.032424	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	70	-59.18	-0.033914	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	80	-60.95	-0.034928	±2.5	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	NV	-40	-60.12	-0.034453	±2.5	PASS