

# APPENDIX F: TEST RESULTS OF BAND 25 FOR CAT-M OPERATION

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## APPENDIX F.1: EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA FOR M1

### Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Measure Result (dBm)	EIRP		Limit (watts)	Verdict
								dBm	Watts		
Band25	1.4MHz	26047	QPSK	1	0	Low	23.73	25.87	0.386	2	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	21.72	23.86	0.243	2	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	23.45	25.59	0.362	2	PASS
Band25	1.4MHz	26365	QPSK	6	0	Low	21.46	23.60	0.229	2	PASS
Band25	1.4MHz	26683	QPSK	1	5	Low	23.22	25.36	0.344	2	PASS
Band25	1.4MHz	26683	QPSK	6	0	Low	21.45	23.59	0.229	2	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	22.62	24.76	0.299	2	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	21.72	23.86	0.243	2	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	22.3	24.44	0.278	2	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	21.29	23.43	0.220	2	PASS
Band25	1.4MHz	26683	16QAM	1	5	Low	22.06	24.20	0.263	2	PASS
Band25	1.4MHz	26683	16QAM	6	0	Low	21.34	23.48	0.223	2	PASS
Band25	3MHz	26055	QPSK	1	0	Low	23.75	25.89	0.388	2	PASS
Band25	3MHz	26055	QPSK	6	0	Low	21.71	23.85	0.243	2	PASS
Band25	3MHz	26365	QPSK	1	0	Low	23.34	25.48	0.353	2	PASS
Band25	3MHz	26365	QPSK	6	0	Low	21.51	23.65	0.232	2	PASS
Band25	3MHz	26675	QPSK	1	5	High	23.22	25.36	0.344	2	PASS
Band25	3MHz	26675	QPSK	6	0	High	21.38	23.52	0.225	2	PASS
Band25	3MHz	26055	16QAM	1	0	Low	22.61	24.75	0.299	2	PASS
Band25	3MHz	26055	16QAM	6	0	Low	21.72	23.86	0.243	2	PASS
Band25	3MHz	26365	16QAM	1	0	Low	22.22	24.36	0.273	2	PASS
Band25	3MHz	26365	16QAM	6	0	Low	21.3	23.44	0.221	2	PASS
Band25	3MHz	26675	16QAM	1	5	High	22.07	24.21	0.264	2	PASS
Band25	3MHz	26675	16QAM	6	0	High	21.39	23.53	0.225	2	PASS
Band25	5MHz	26065	QPSK	1	0	Low	23.74	25.88	0.387	2	PASS
Band25	5MHz	26065	QPSK	6	0	Low	22.73	24.87	0.307	2	PASS
Band25	5MHz	26365	QPSK	1	0	Low	23.39	25.53	0.357	2	PASS
Band25	5MHz	26365	QPSK	6	0	Low	22.39	24.53	0.284	2	PASS
Band25	5MHz	26665	QPSK	1	5	High	23.34	25.48	0.353	2	PASS
Band25	5MHz	26665	QPSK	3	3	High	22.43	24.57	0.286	2	PASS
Band25	5MHz	26065	16QAM	1	0	Low	23.9	26.04	0.402	2	PASS
Band25	5MHz	26065	16QAM	6	0	Low	22.5	24.64	0.291	2	PASS
Band25	5MHz	26365	16QAM	1	0	Low	23.43	25.57	0.361	2	PASS
Band25	5MHz	26365	16QAM	6	0	Low	22.38	24.52	0.283	2	PASS
Band25	5MHz	26665	16QAM	1	5	High	23.37	25.51	0.356	2	PASS
Band25	5MHz	26665	16QAM	3	3	High	22.33	24.47	0.280	2	PASS
Band25	10MHz	26090	QPSK	1	0	Low	23.84	25.98	0.396	2	PASS
Band25	10MHz	26090	QPSK	5	0	Low	22.72	24.86	0.306	2	PASS
Band25	10MHz	26365	QPSK	1	0	Low	23.58	25.72	0.373	2	PASS
Band25	10MHz	26365	QPSK	5	0	Low	22.5	24.64	0.291	2	PASS
Band25	10MHz	26640	QPSK	1	5	High	23.06	25.20	0.331	2	PASS
Band25	10MHz	26640	QPSK	5	1	High	22.26	24.40	0.275	2	PASS
Band25	10MHz	26090	16QAM	1	0	Low	23.93	26.07	0.405	2	PASS
Band25	10MHz	26090	16QAM	5	0	Low	22.65	24.79	0.301	2	PASS
Band25	10MHz	26365	16QAM	1	0	Low	23.6	25.74	0.375	2	PASS
Band25	10MHz	26365	16QAM	5	0	Low	22.4	24.54	0.284	2	PASS
Band25	10MHz	26640	16QAM	1	5	High	23.2	25.34	0.342	2	PASS
Band25	10MHz	26640	16QAM	5	1	High	22.35	24.49	0.281	2	PASS
Band25	15MHz	26115	QPSK	1	0	Low	23.67	25.81	0.381	2	PASS

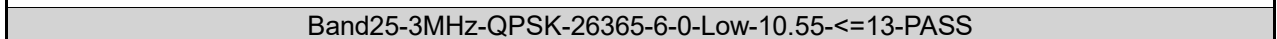
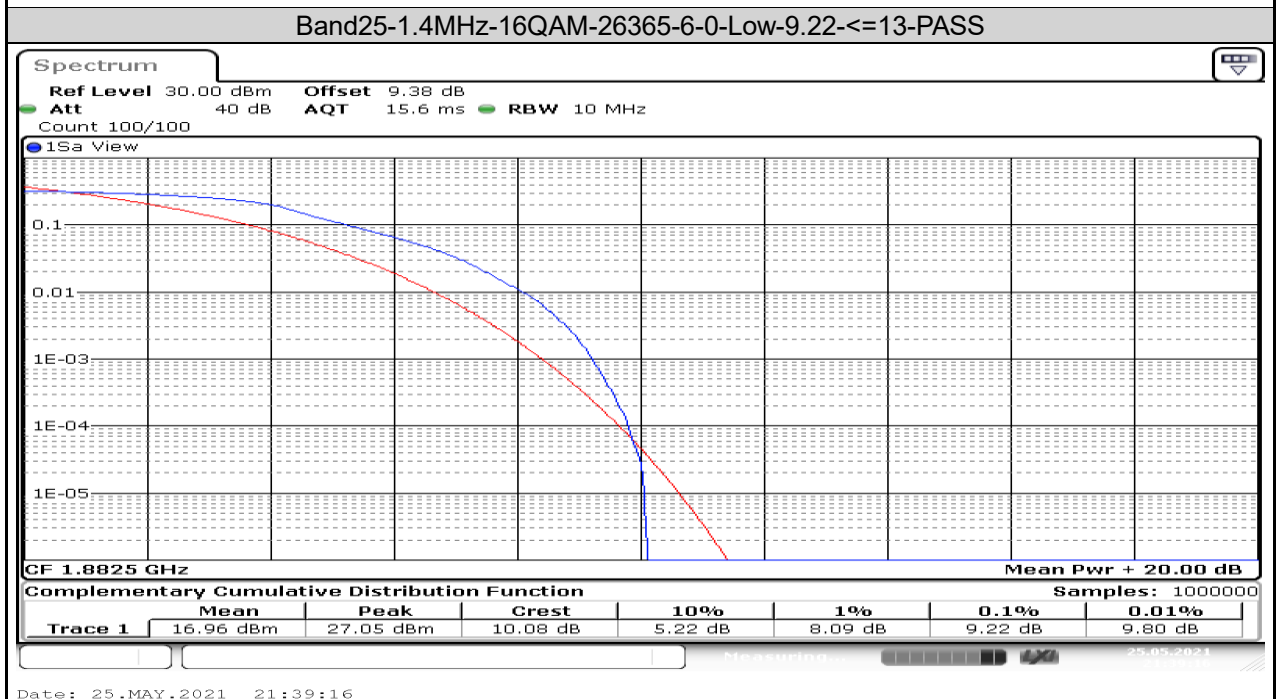
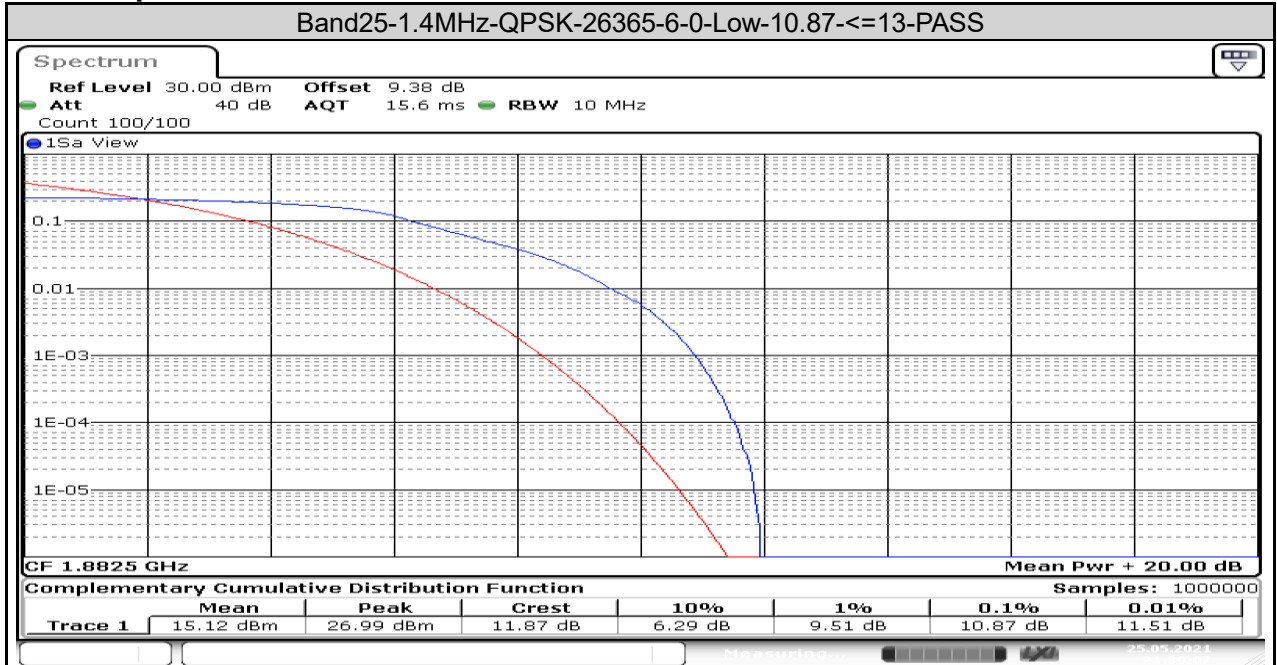
Band25	15MHz	26115	QPSK	6	0	Low	23.78	25.92	0.391	2	PASS
Band25	15MHz	26365	QPSK	1	0	Low	23.52	25.66	0.368	2	PASS
Band25	15MHz	26365	QPSK	6	0	Low	23.41	25.55	0.359	2	PASS
Band25	15MHz	26615	QPSK	1	5	High	23.28	25.42	0.348	2	PASS
Band25	15MHz	26615	QPSK	6	0	High	23.14	25.28	0.337	2	PASS
Band25	15MHz	26115	16QAM	1	0	Low	23.87	26.01	0.399	2	PASS
Band25	15MHz	26115	16QAM	6	0	Low	23.73	25.87	0.386	2	PASS
Band25	15MHz	26365	16QAM	1	0	Low	23.65	25.79	0.379	2	PASS
Band25	15MHz	26365	16QAM	6	0	Low	23.36	25.50	0.355	2	PASS
Band25	15MHz	26615	16QAM	1	5	High	23.18	25.32	0.340	2	PASS
Band25	15MHz	26615	16QAM	6	0	High	23.04	25.18	0.330	2	PASS
Band25	20MHz	26140	QPSK	1	0	Low	23.64	25.78	0.378	2	PASS
Band25	20MHz	26140	QPSK	6	0	Low	23.74	25.88	0.387	2	PASS
Band25	20MHz	26365	QPSK	1	0	Low	23.6	25.74	0.375	2	PASS
Band25	20MHz	26365	QPSK	6	0	Low	23.54	25.68	0.370	2	PASS
Band25	20MHz	26590	QPSK	1	5	High	23.2	25.34	0.342	2	PASS
Band25	20MHz	26590	QPSK	6	0	High	23.17	25.31	0.340	2	PASS
Band25	20MHz	26140	16QAM	1	0	Low	23.85	25.99	0.397	2	PASS
Band25	20MHz	26140	16QAM	6	0	Low	23.58	25.72	0.373	2	PASS
Band25	20MHz	26365	16QAM	1	0	Low	23.67	25.81	0.381	2	PASS
Band25	20MHz	26365	16QAM	6	0	Low	23.42	25.56	0.360	2	PASS
Band25	20MHz	26590	16QAM	1	5	High	23.3	25.44	0.350	2	PASS
Band25	20MHz	26590	16QAM	6	0	High	23.16	25.30	0.339	2	PASS

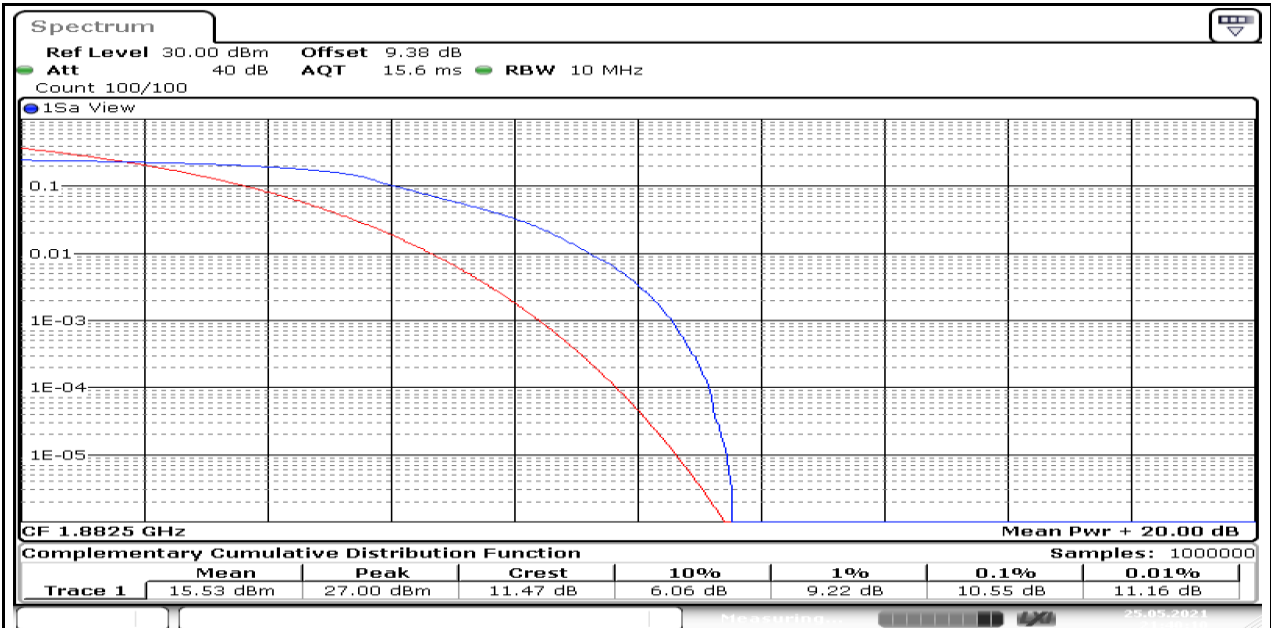
## APPENDIX F.2: PEAK-TO-AVERAGE RATIO (CCDF) FOR M1

### Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Result (dB)	Limit (dB)	Verdict
Band25	1.4MHz	26365	QPSK	6	0	Low	10.87	<=13	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	9.22	<=13	PASS
Band25	3MHz	26365	QPSK	6	0	Low	10.55	<=13	PASS
Band25	3MHz	26365	16QAM	6	0	Low	11.88	<=13	PASS
Band25	5MHz	26365	QPSK	6	0	Low	9.30	<=13	PASS
Band25	5MHz	26365	16QAM	6	0	Low	9.65	<=13	PASS
Band25	10MHz	26365	QPSK	6	0	Low	11.04	<=13	PASS
Band25	10MHz	26365	16QAM	6	0	Low	11.19	<=13	PASS
Band25	15MHz	26365	QPSK	6	0	Low	10.00	<=13	PASS
Band25	15MHz	26365	16QAM	6	0	Low	9.39	<=13	PASS
Band25	20MHz	26365	QPSK	6	0	Low	10.67	<=13	PASS
Band25	20MHz	26365	16QAM	6	0	Low	9.88	<=13	PASS

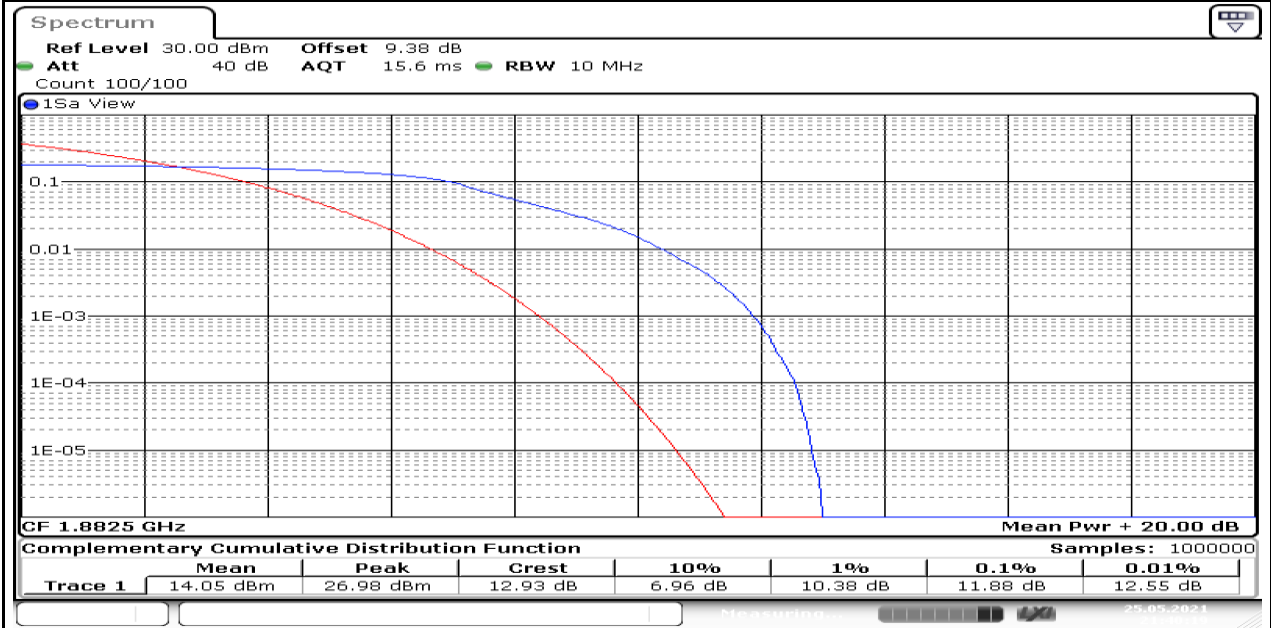
### Test Graphs





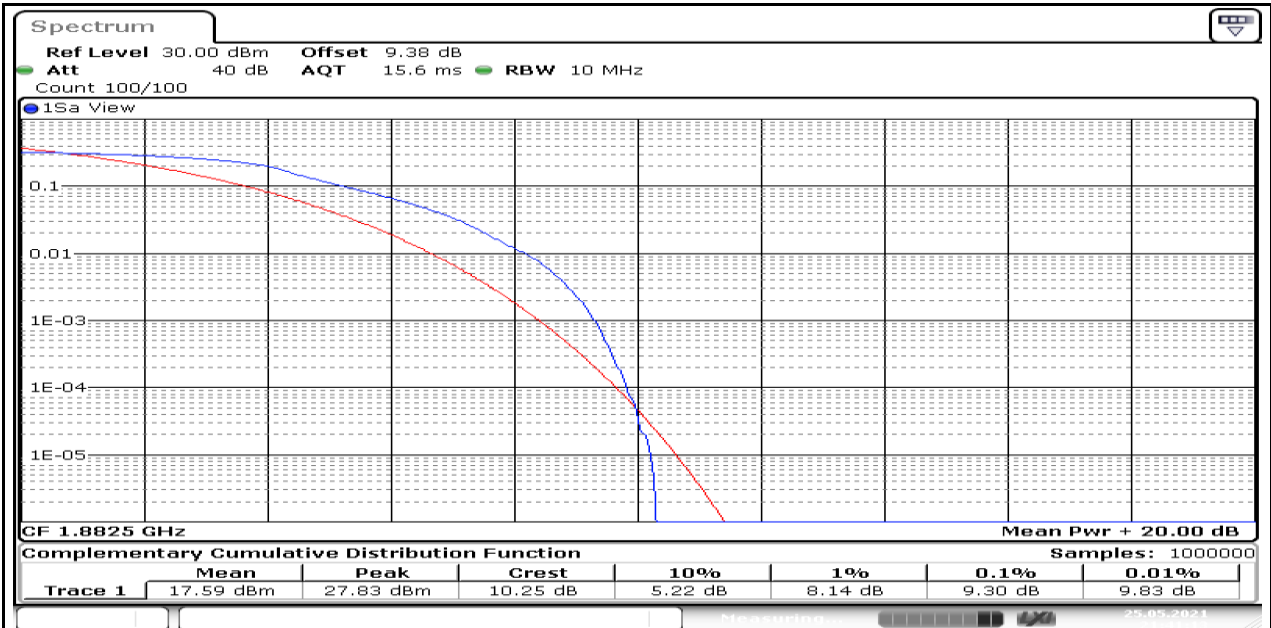
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Band25-3MHz-16QAM-26365-6-0-Low-11.88-<=13-PASS

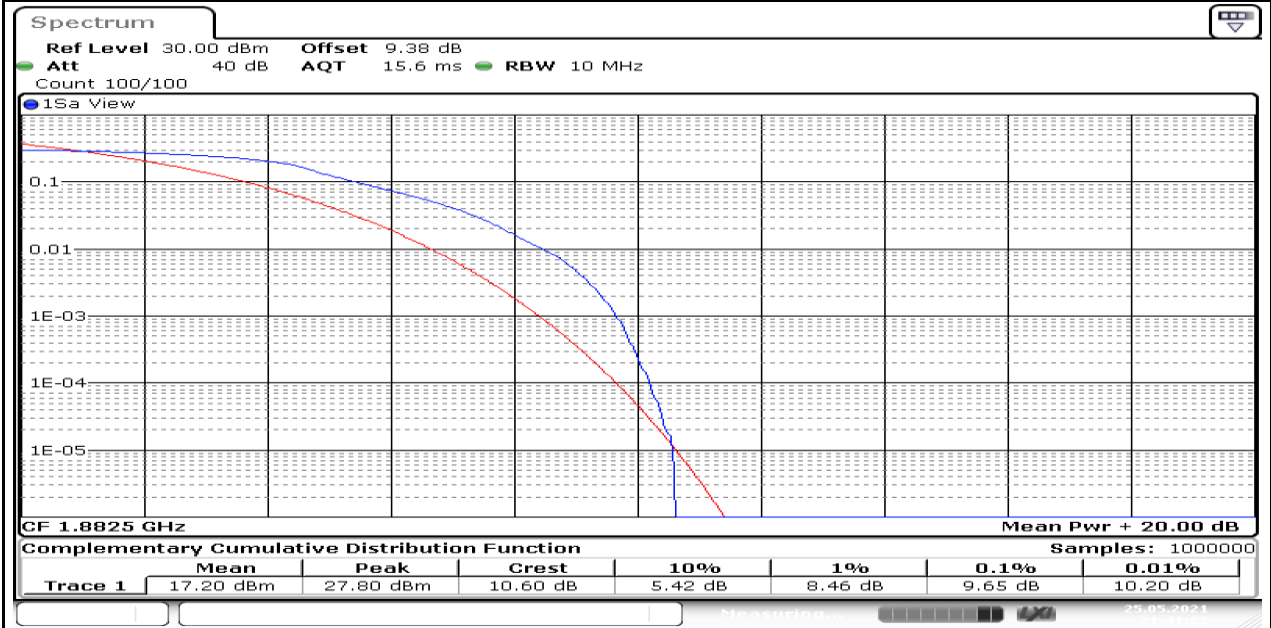


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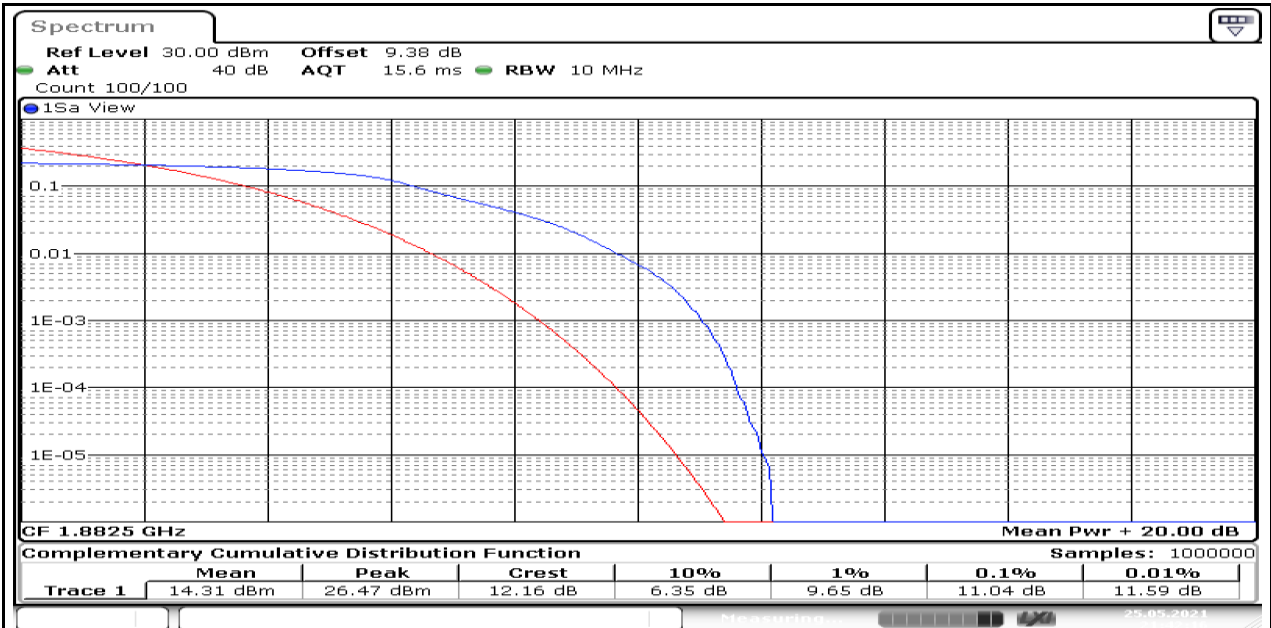
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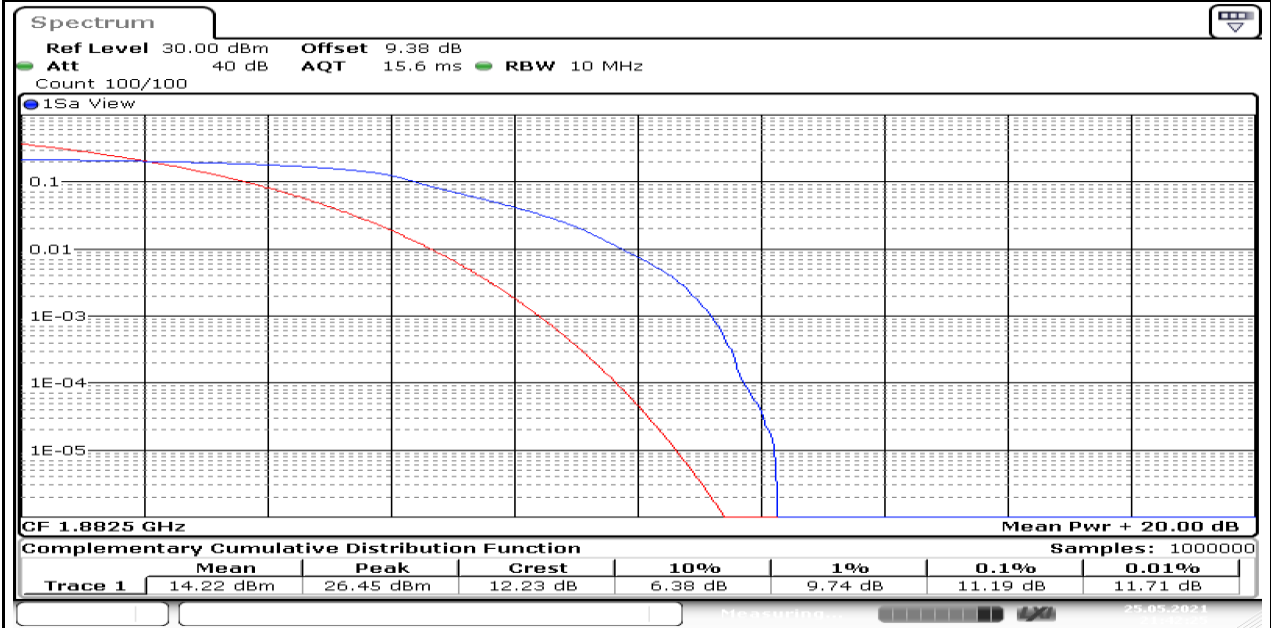


Band25-10MHz-QPSK-26365-6-0-Low-11.04-<=13-PASS



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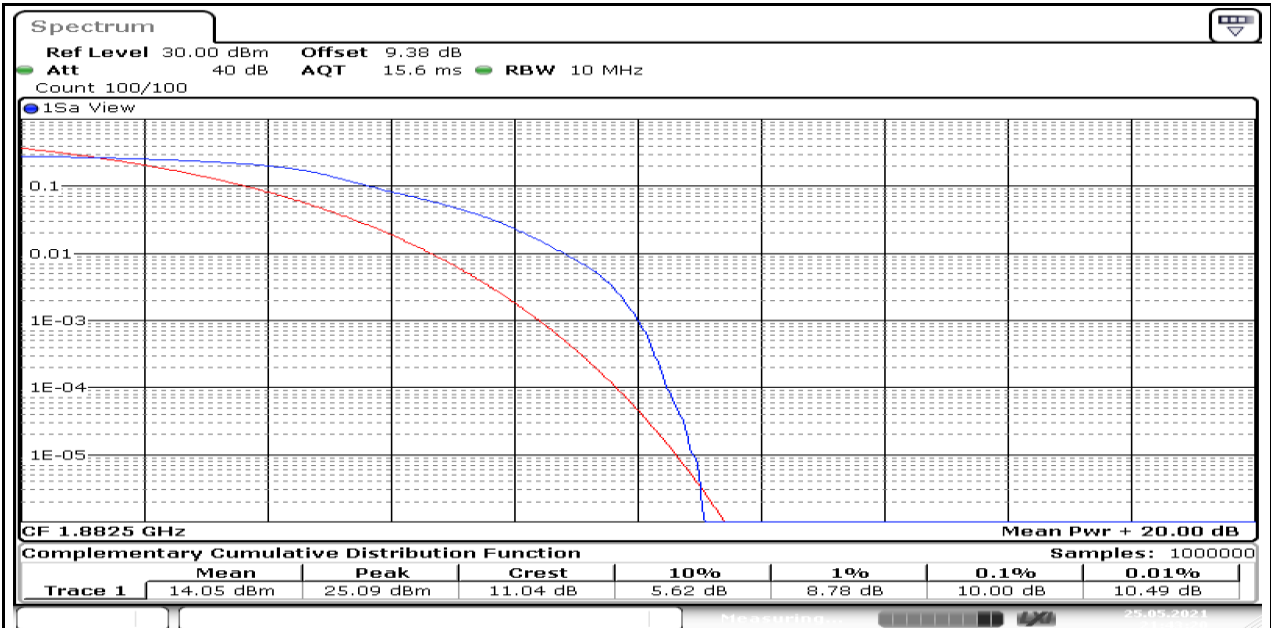
Band25-10MHz-16QAM-26365-6-0-Low-11.19-<=13-PASS



Date: 25.MAY.2021 21:42:25

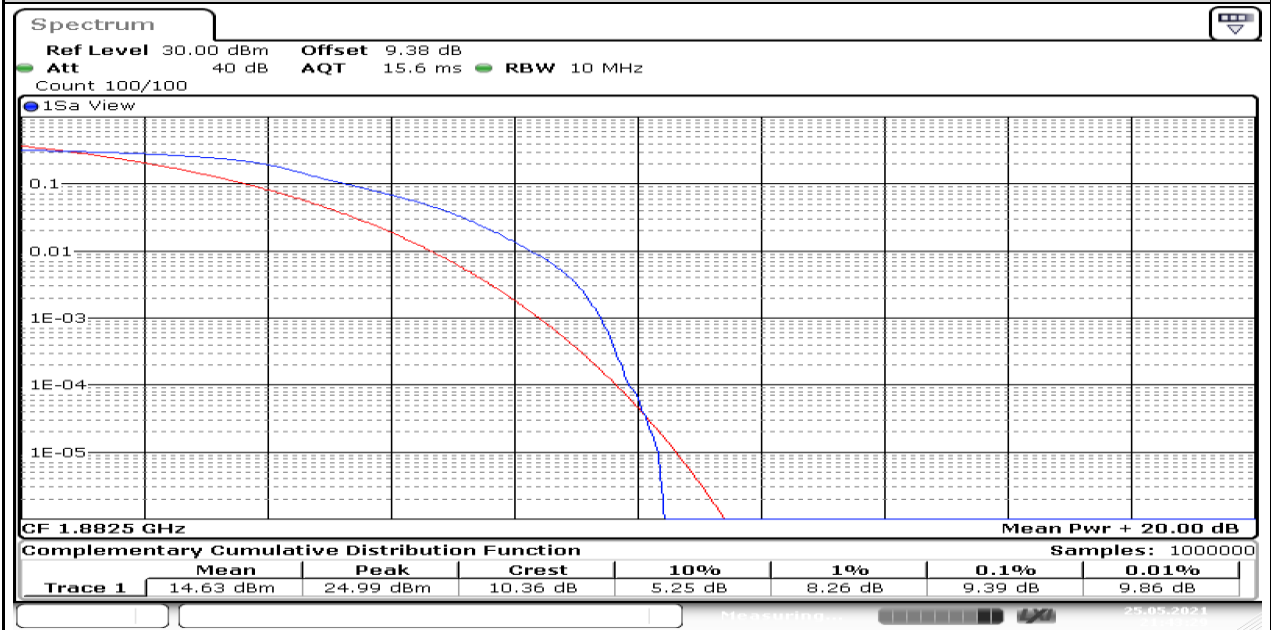
Band25-15MHz-QPSK-26365-6-0-Low-10.00-<=13-PASS





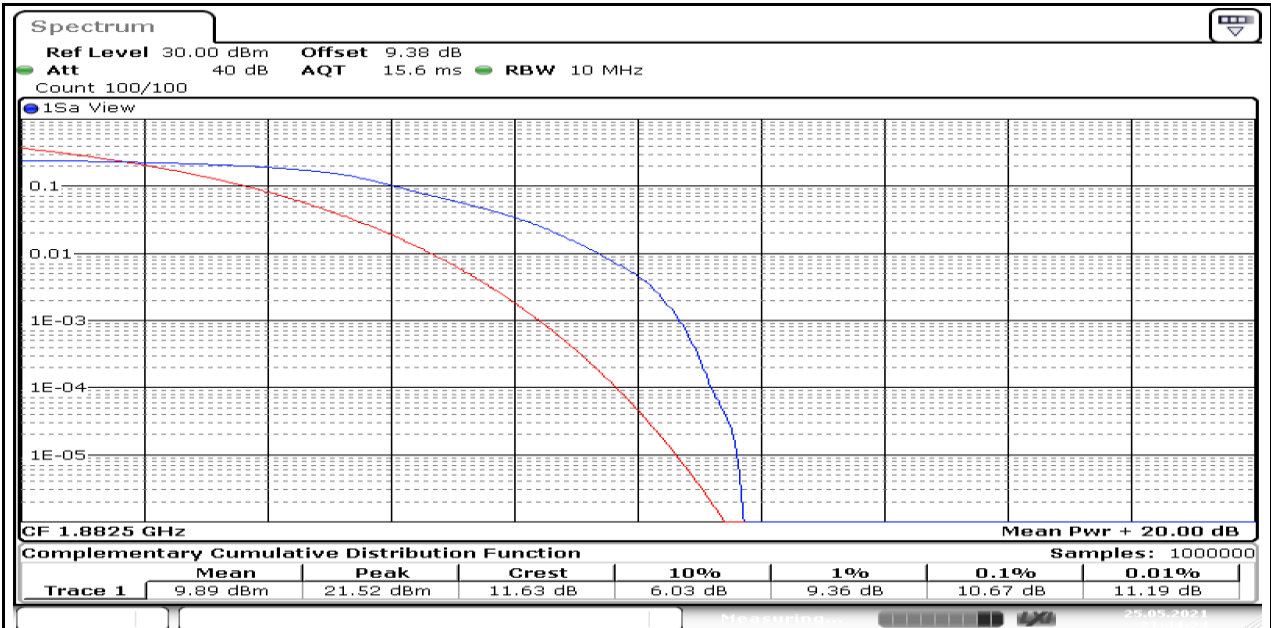
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Band25-15MHz-16QAM-26365-6-0-Low-9.39-<=13-PASS

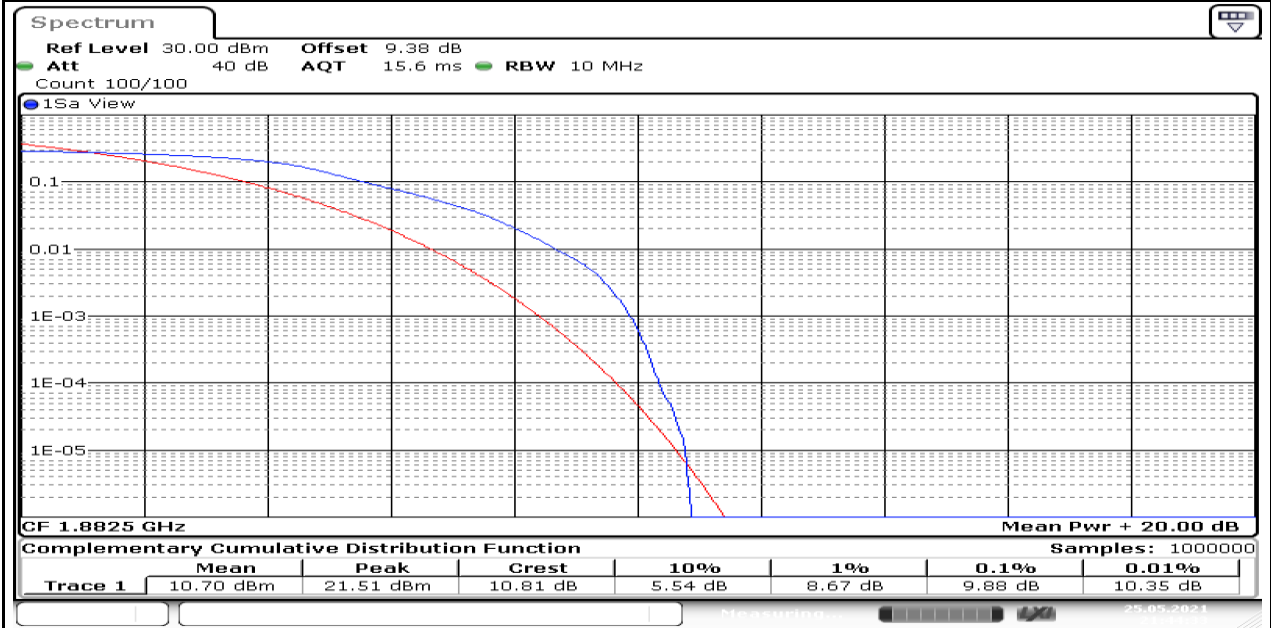


Date: 25.MAY.2021 21:43:29

Band25-20MHz-QPSK-26365-6-0-Low-10.67-<=13-PASS



Band25-20MHz-16QAM-26365-6-0-Low-9.88-<=13-PASS

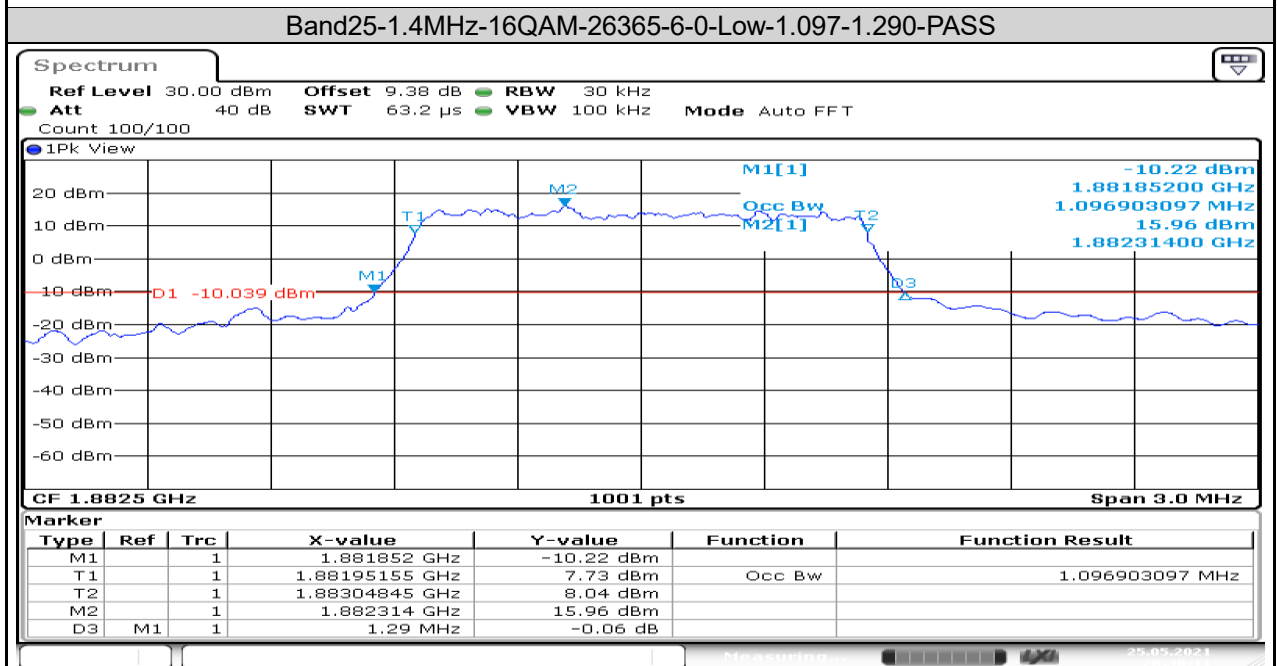
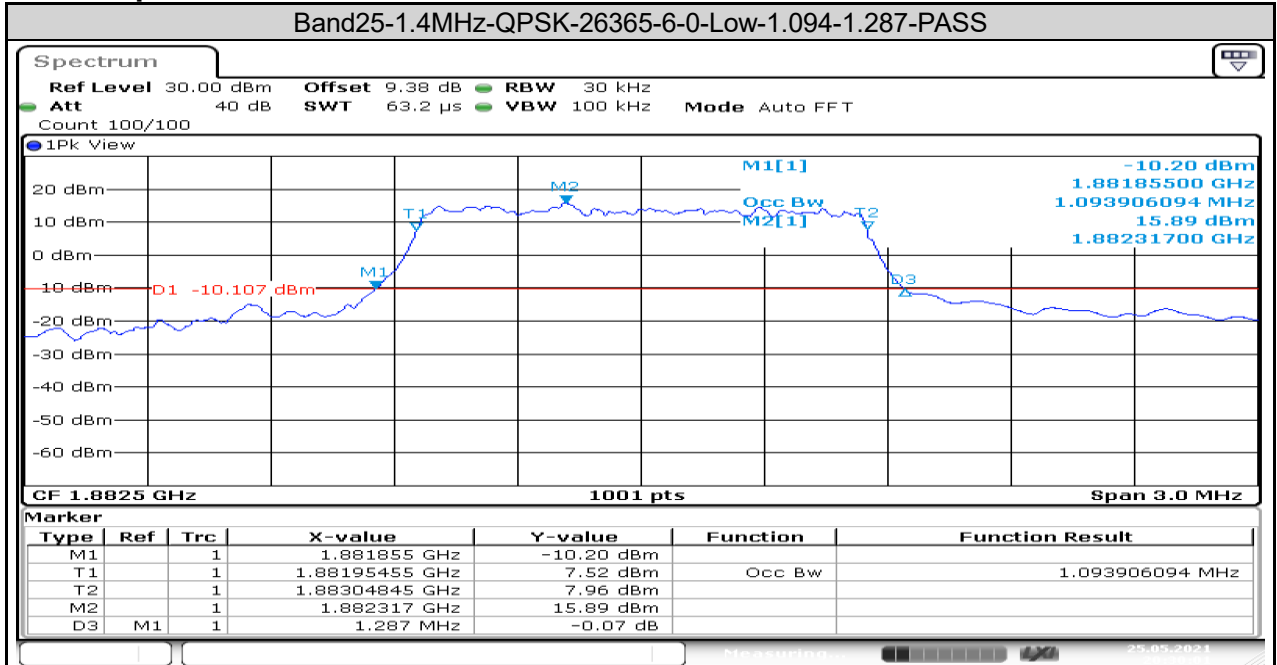


### APPENDIX F.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH FOR M1

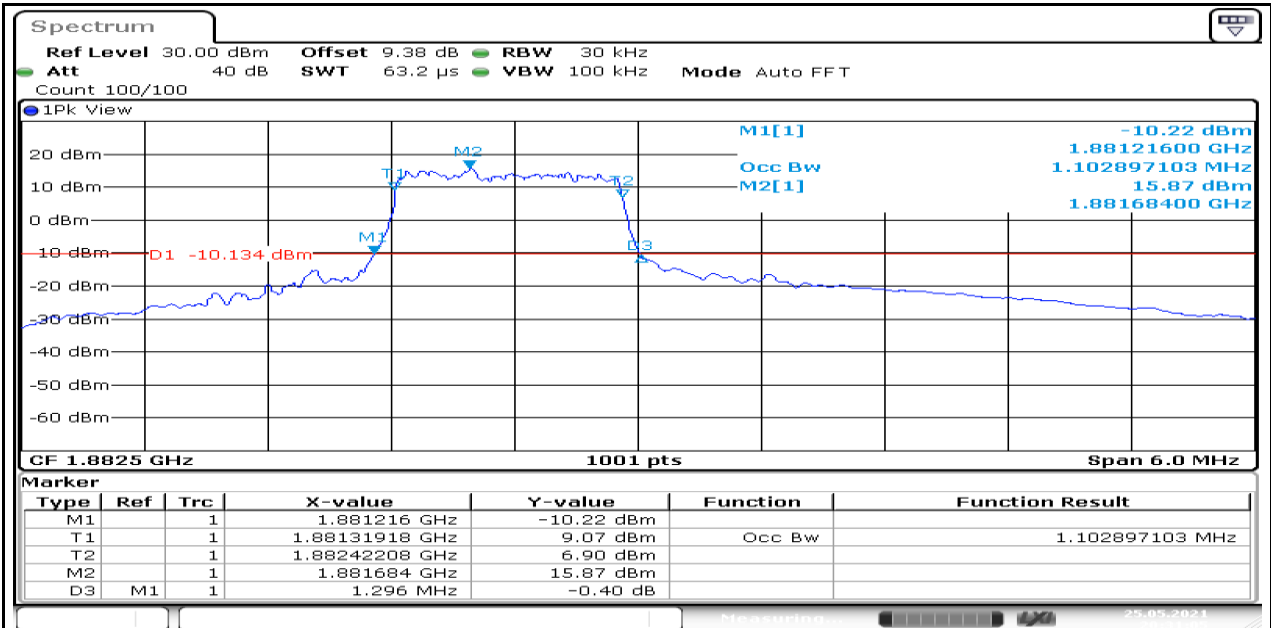
#### Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	26365	QPSK	6	0	Low	1.094	1.287	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	1.097	1.290	PASS
Band25	3MHz	26365	QPSK	6	0	Low	1.103	1.296	PASS
Band25	3MHz	26365	16QAM	6	0	Low	1.097	1.296	PASS
Band25	5MHz	26365	QPSK	6	0	Low	1.109	1.320	PASS
Band25	5MHz	26365	16QAM	6	0	Low	1.109	1.330	PASS
Band25	10MHz	26365	QPSK	6	0	Low	1.099	1.320	PASS
Band25	10MHz	26365	16QAM	6	0	Low	1.119	1.320	PASS
Band25	15MHz	26365	QPSK	6	0	Low	1.139	1.350	PASS
Band25	15MHz	26365	16QAM	6	0	Low	1.139	1.380	PASS
Band25	20MHz	26365	QPSK	6	0	Low	1.119	1.400	PASS
Band25	20MHz	26365	16QAM	6	0	Low	1.119	1.360	PASS

### Test Graphs

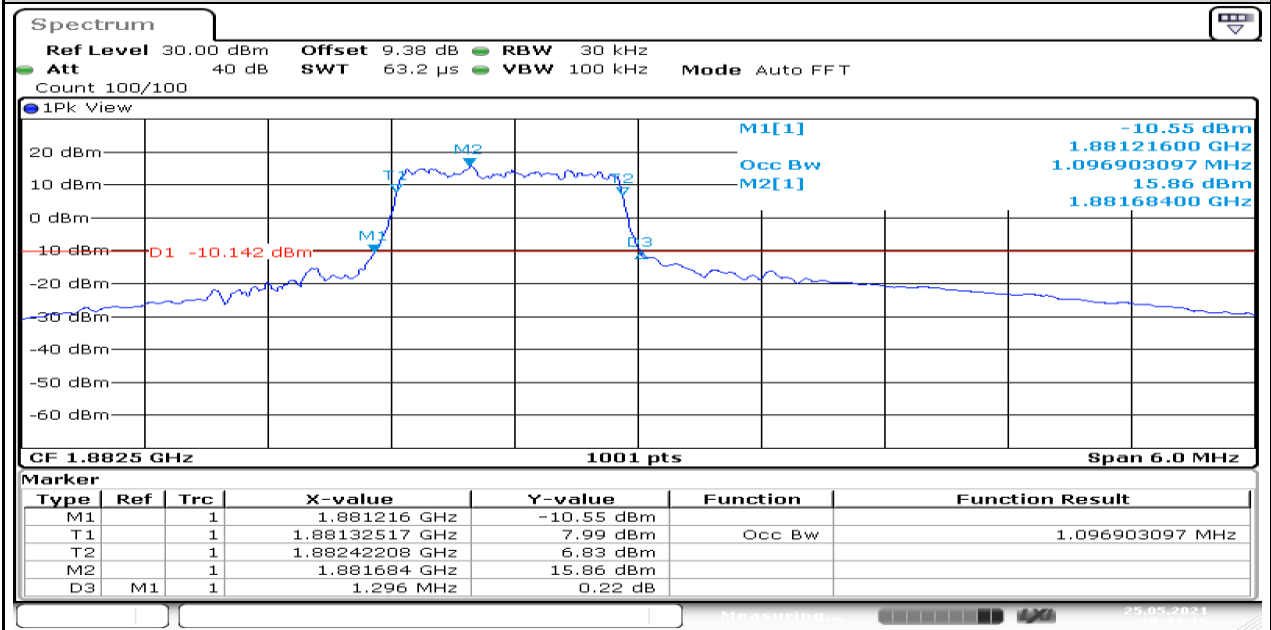


**Band25-3MHz-QPSK-26365-6-0-Low-1.103-1.296-PASS**



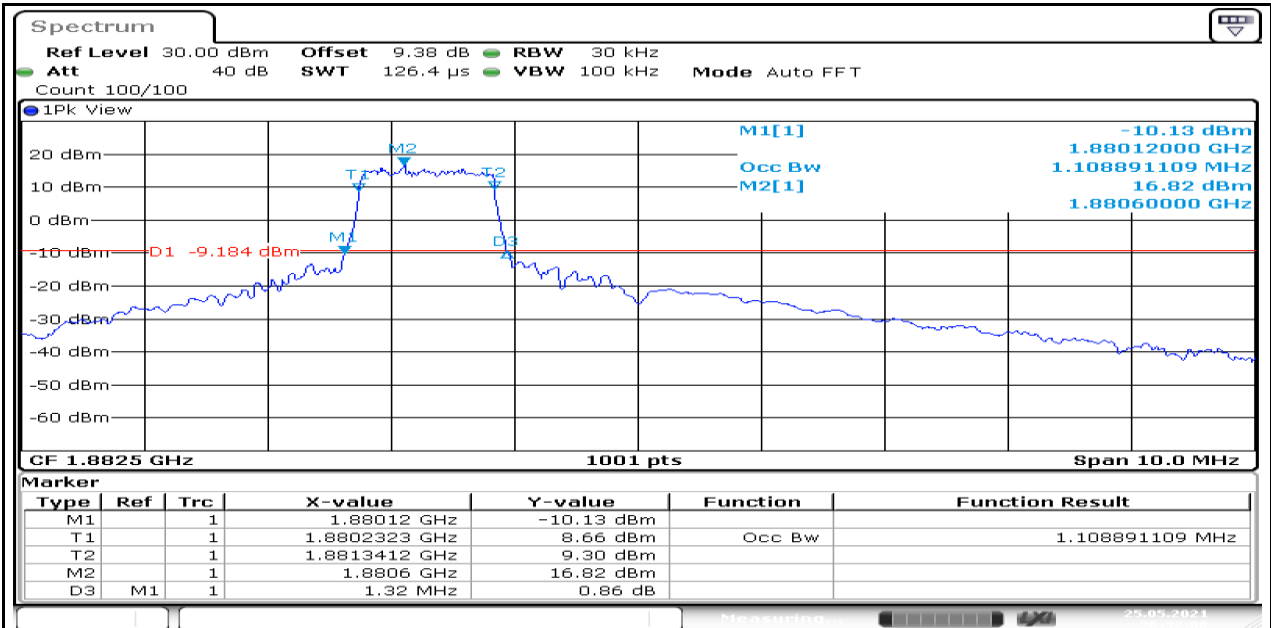
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Band25-3MHz-16QAM-26365-6-0-Low-1.097-1.296-PASS



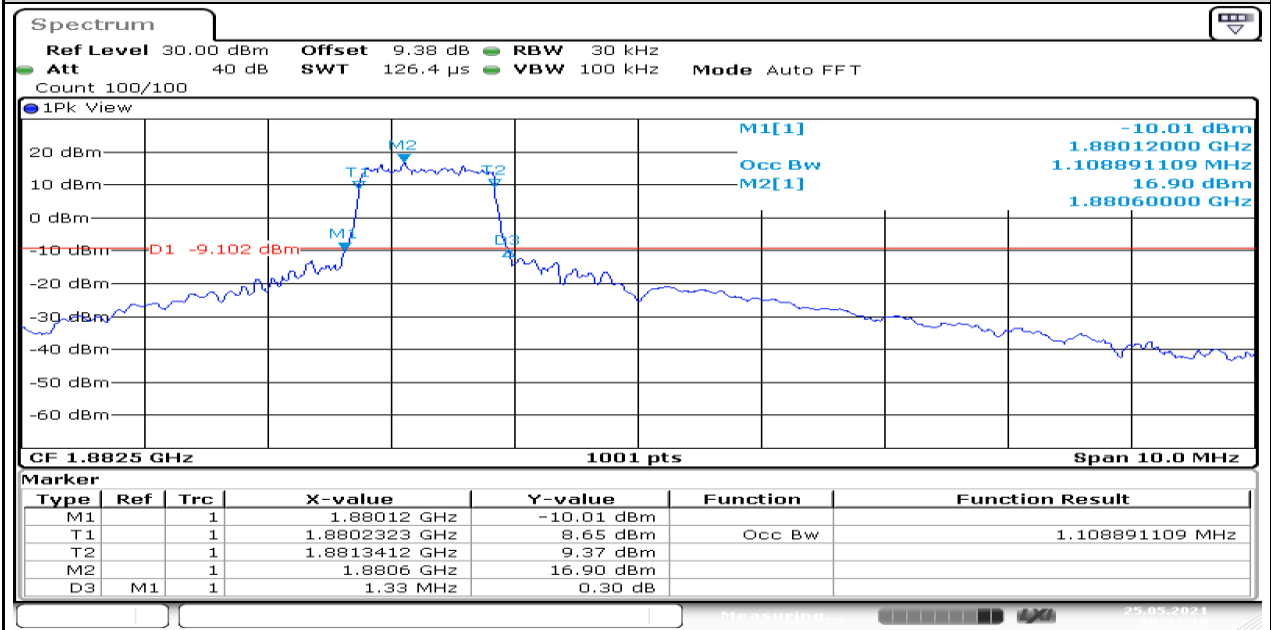
Date: 25.MAY.2021 20:31:15

Band25-5MHz-QPSK-26365-6-0-Low-1.109-1.320-PASS



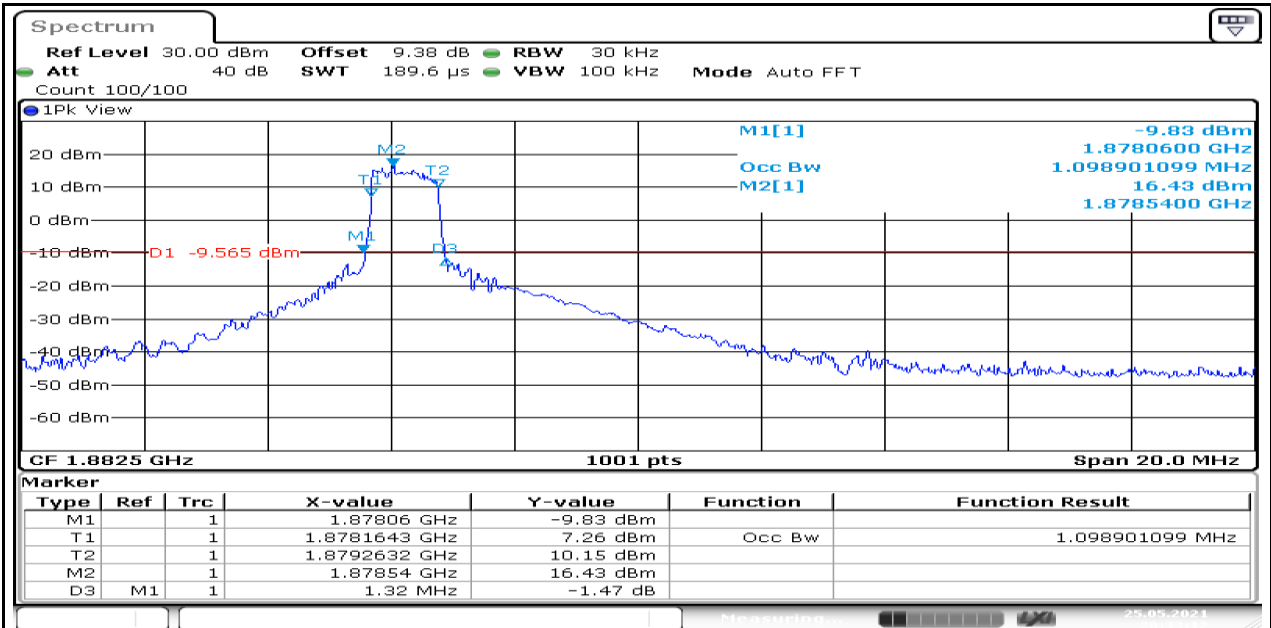
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Band25-5MHz-16QAM-26365-6-0-Low-1.109-1.330-PASS



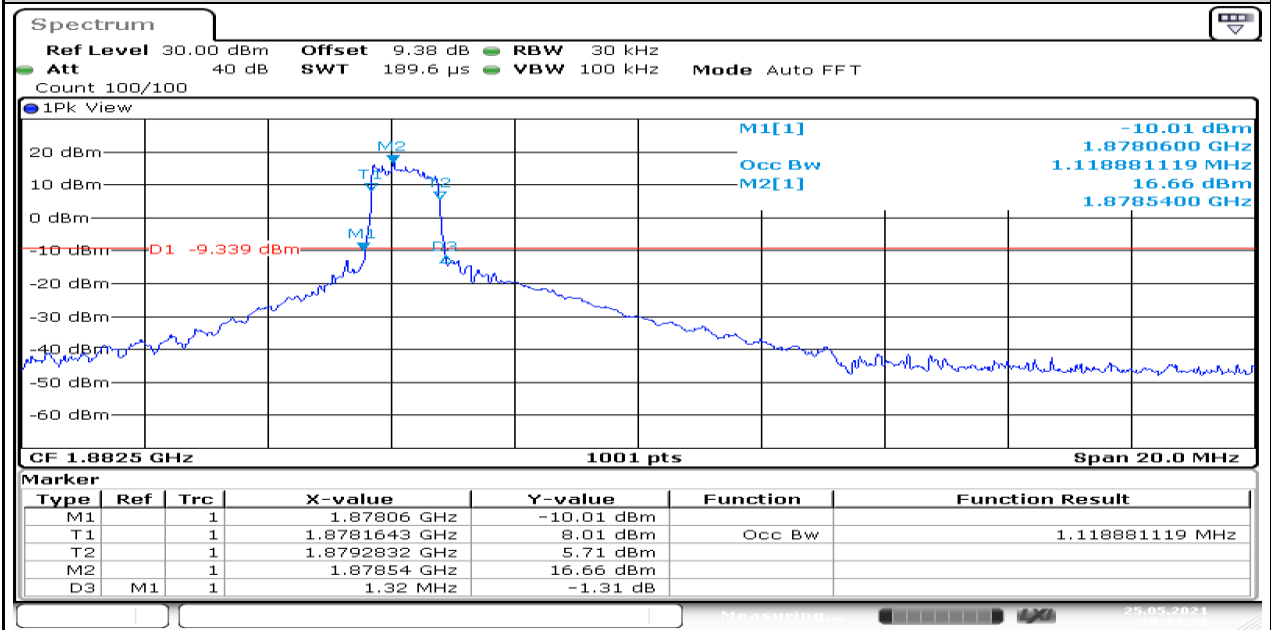
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Band25-10MHz-QPSK-26365-6-0-Low-1.099-1.320-PASS



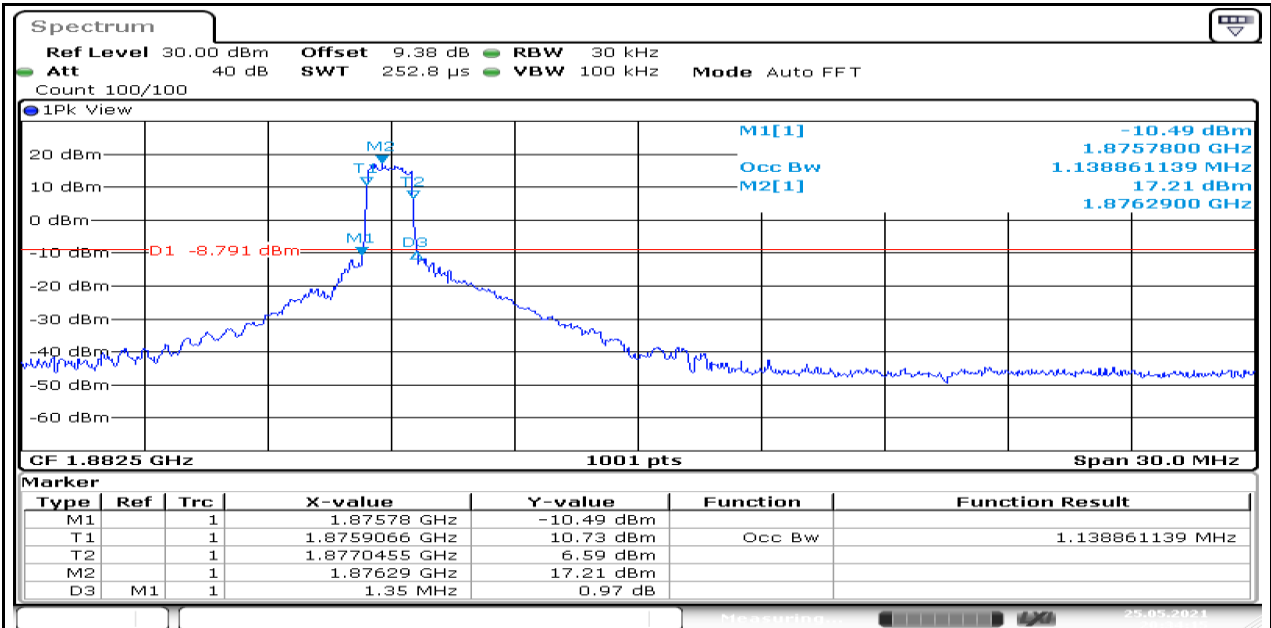
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Band25-10MHz-16QAM-26365-6-0-Low-1.119-1.320-PASS



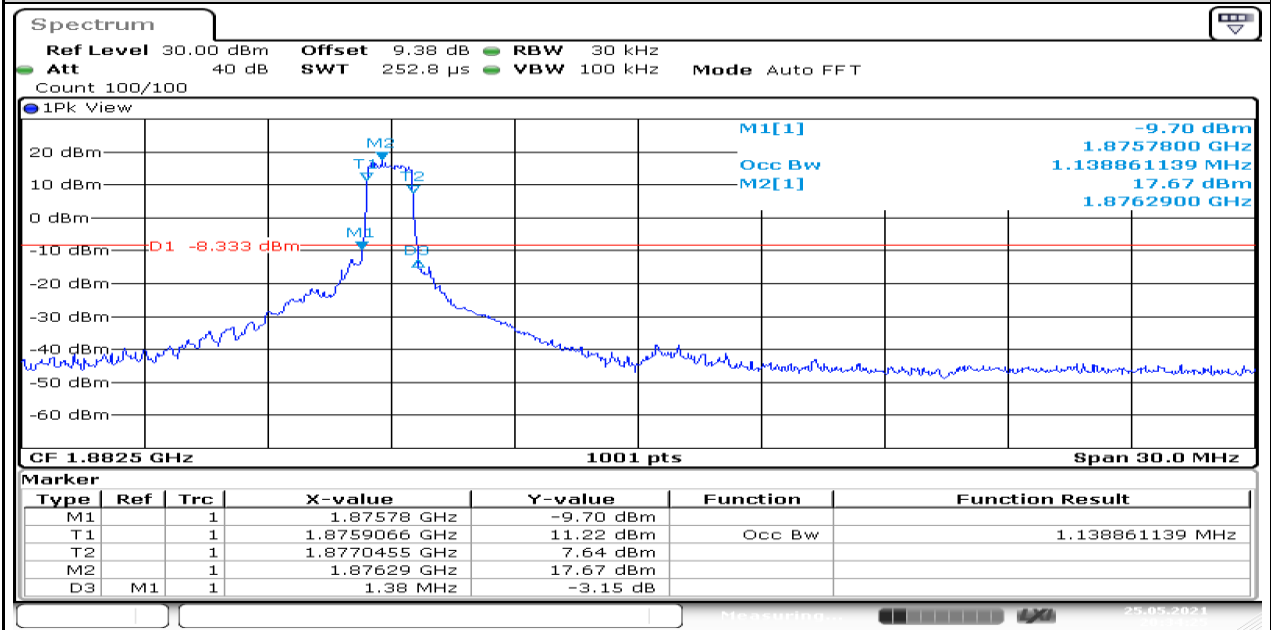
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Band25-15MHz-QPSK-26365-6-0-Low-1.139-1.350-PASS



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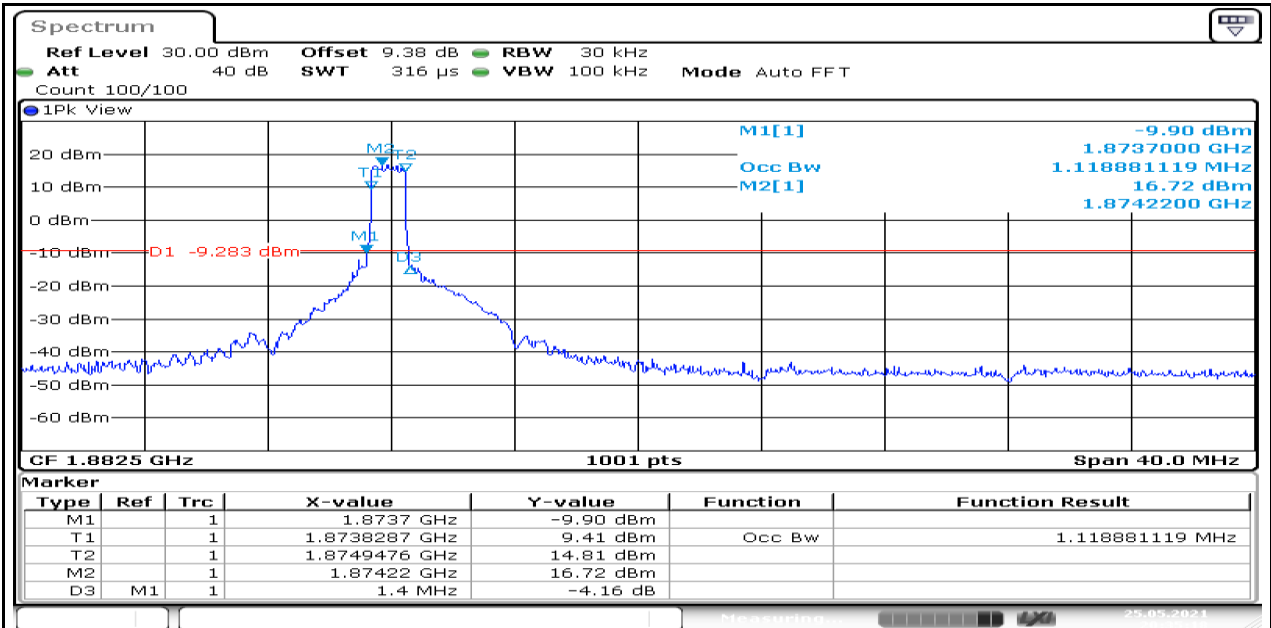
Band25-15MHz-16QAM-26365-6-0-Low-1.139-1.380-PASS



Date: 25.MAY.2021 20:34:25

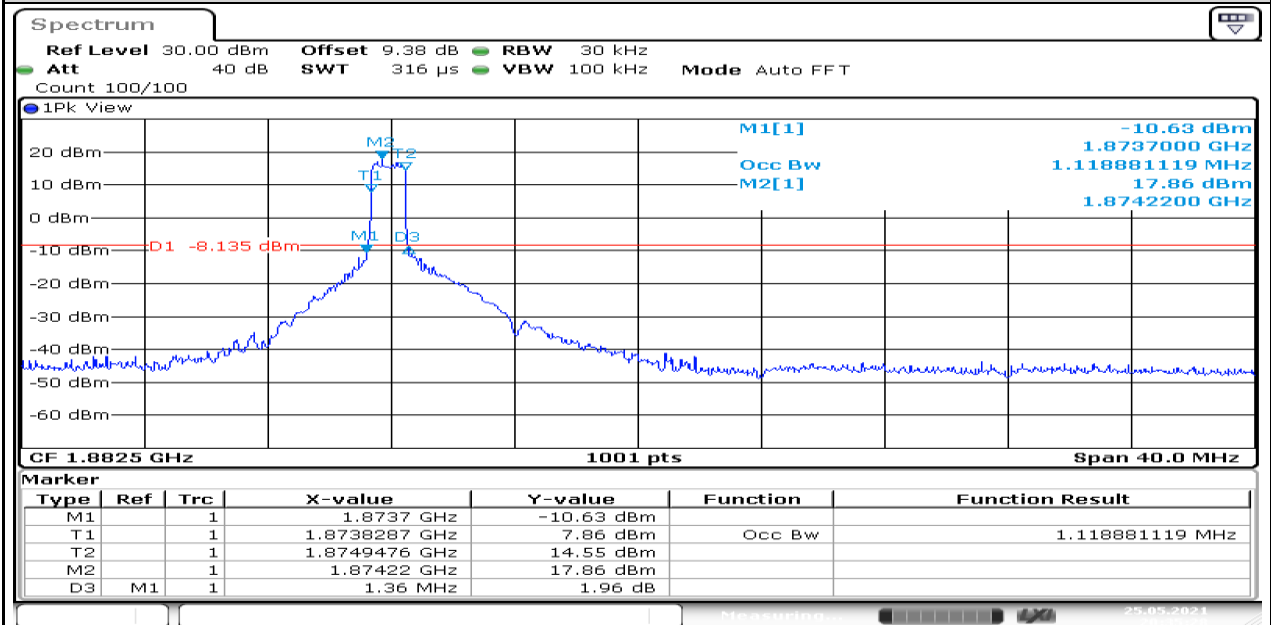
Band25-20MHz-QPSK-26365-6-0-Low-1.119-1.400-PASS





Date: 25.MAY.2021 20:35:18

Band25-20MHz-16QAM-26365-6-0-Low-1.119-1.360-PASS



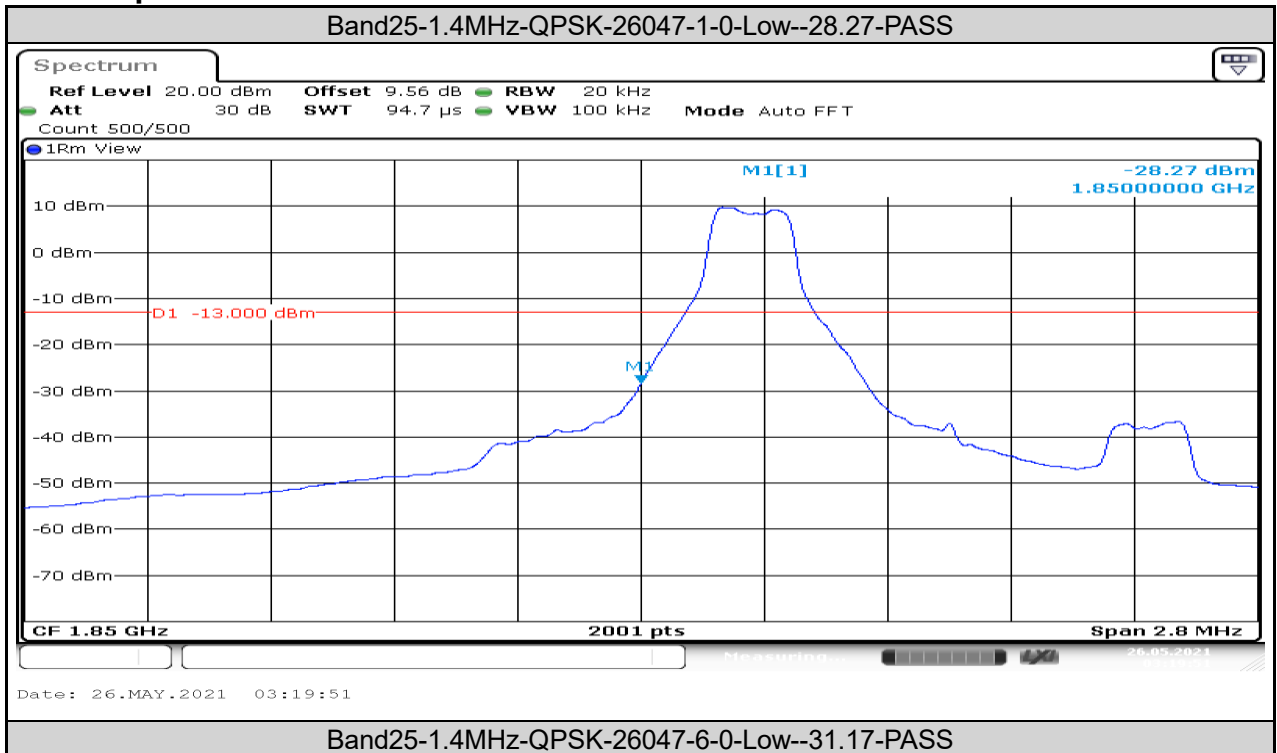
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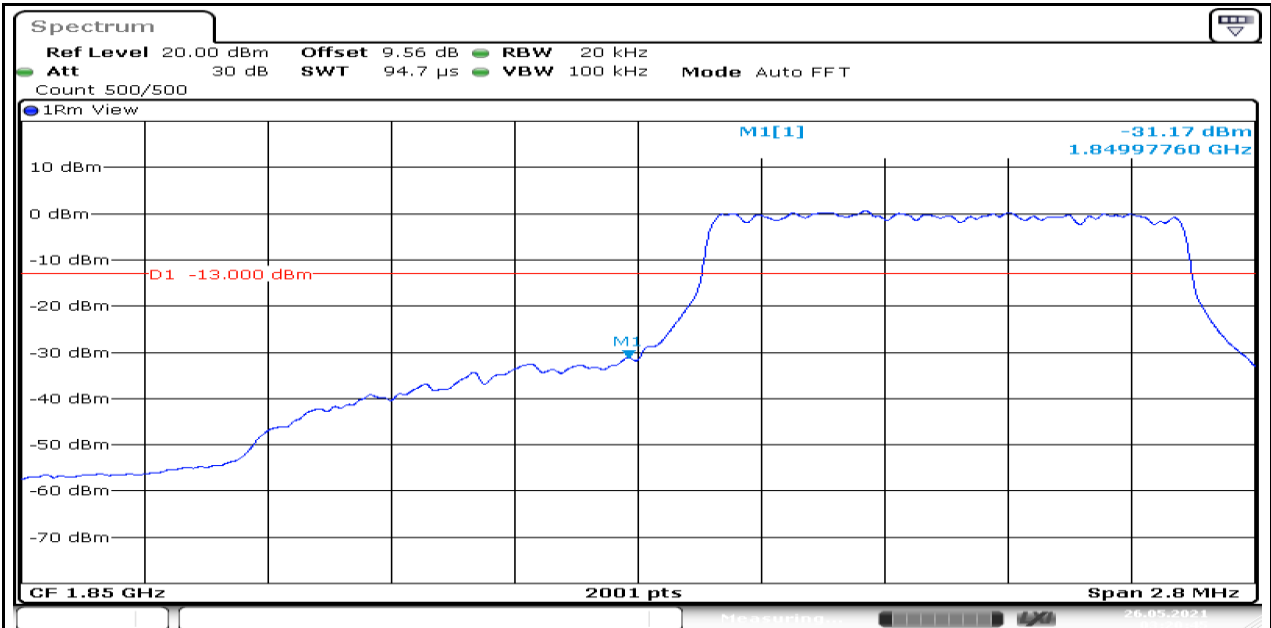
## APPENDIX F.4: BAND EDGE FOR M1

### Test Result

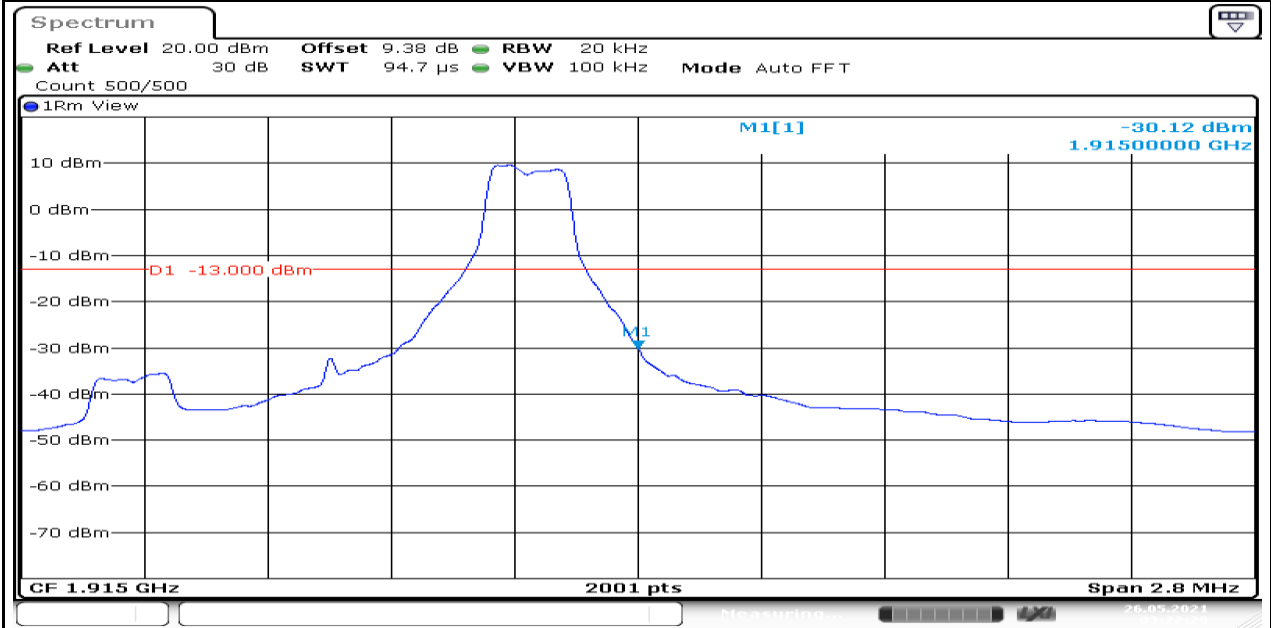
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band25	1.4MHz	26047	QPSK	1	0	Low	-28.27	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	-31.17	PASS
Band25	1.4MHz	26683	QPSK	1	5	Low	-30.12	PASS
Band25	1.4MHz	26683	QPSK	6	0	Low	-32.97	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	-30.00	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	-31.16	PASS
Band25	1.4MHz	26683	16QAM	1	5	Low	-29.36	PASS
Band25	1.4MHz	26683	16QAM	6	0	Low	-32.59	PASS

### Test Graphs

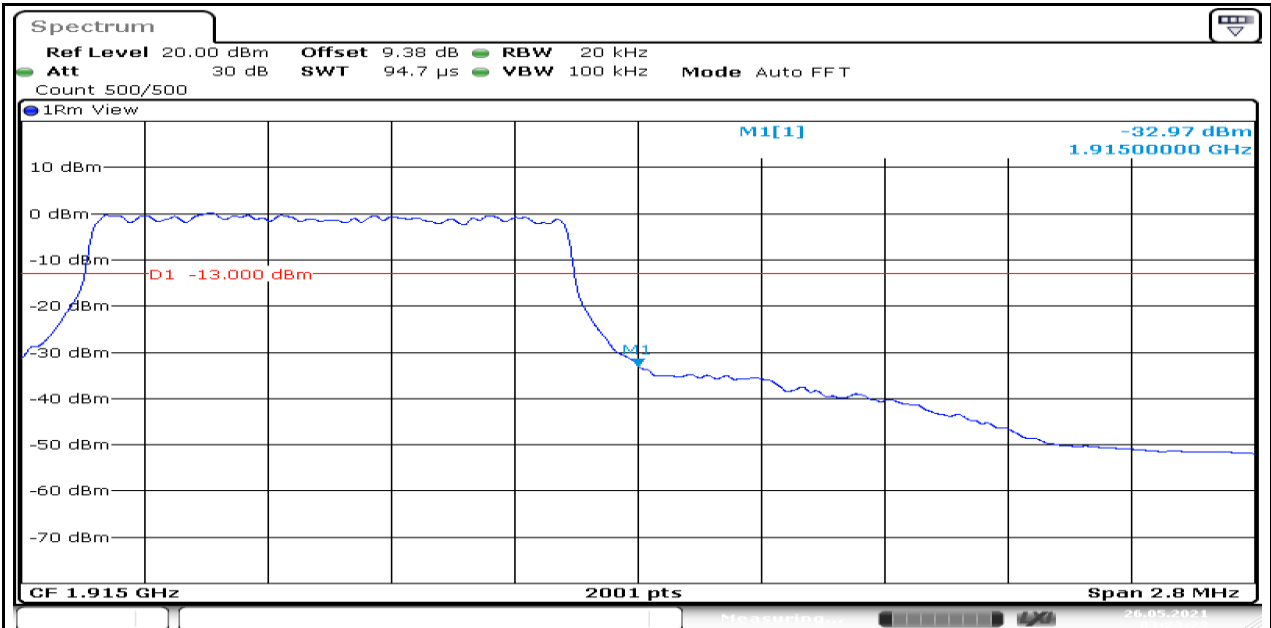




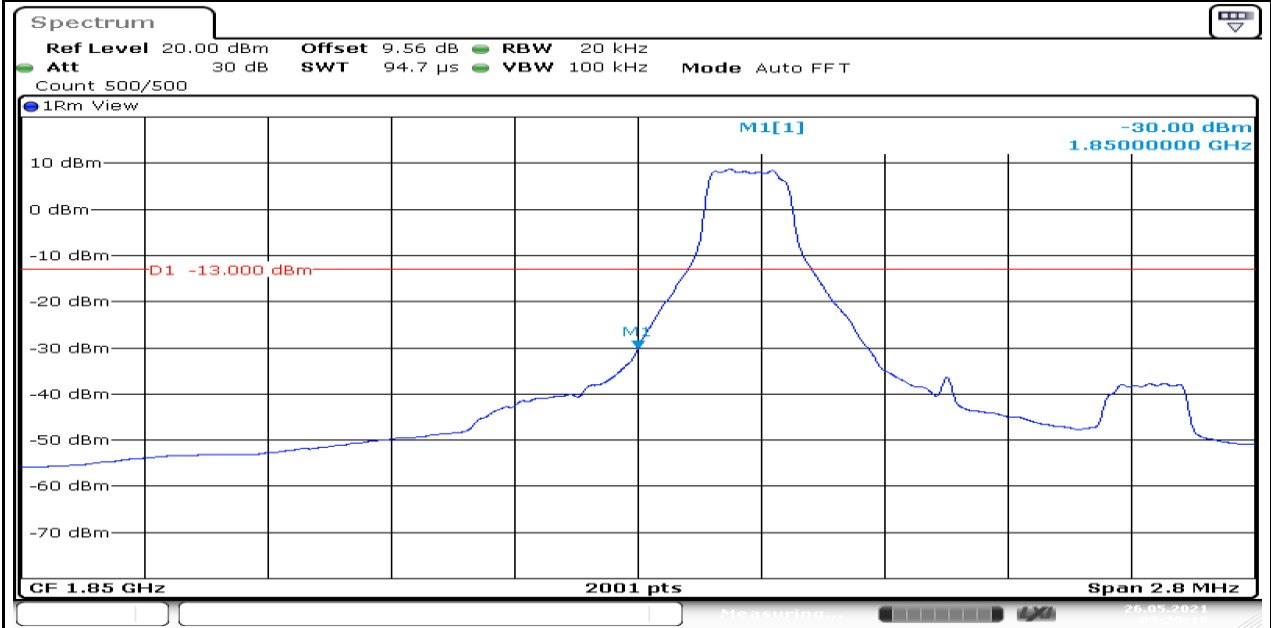
Band25-1.4MHz-QPSK-26683-1-5-Low--30.12-PASS



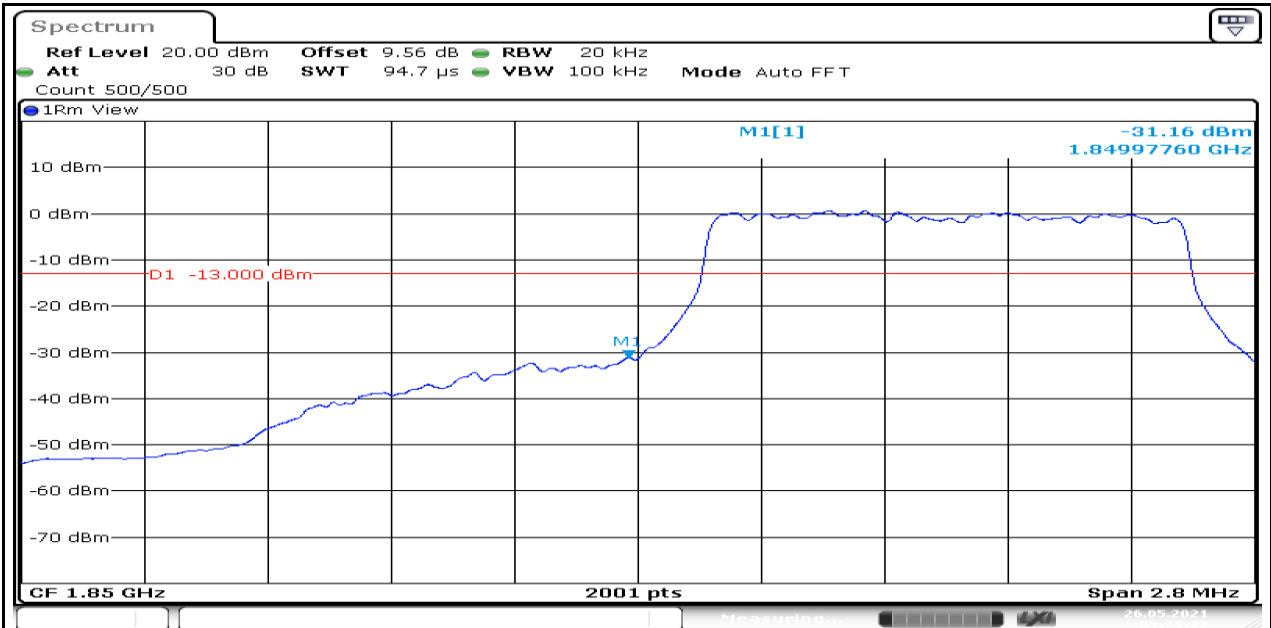
Band25-1.4MHz-QPSK-26683-6-0-Low--32.97-PASS



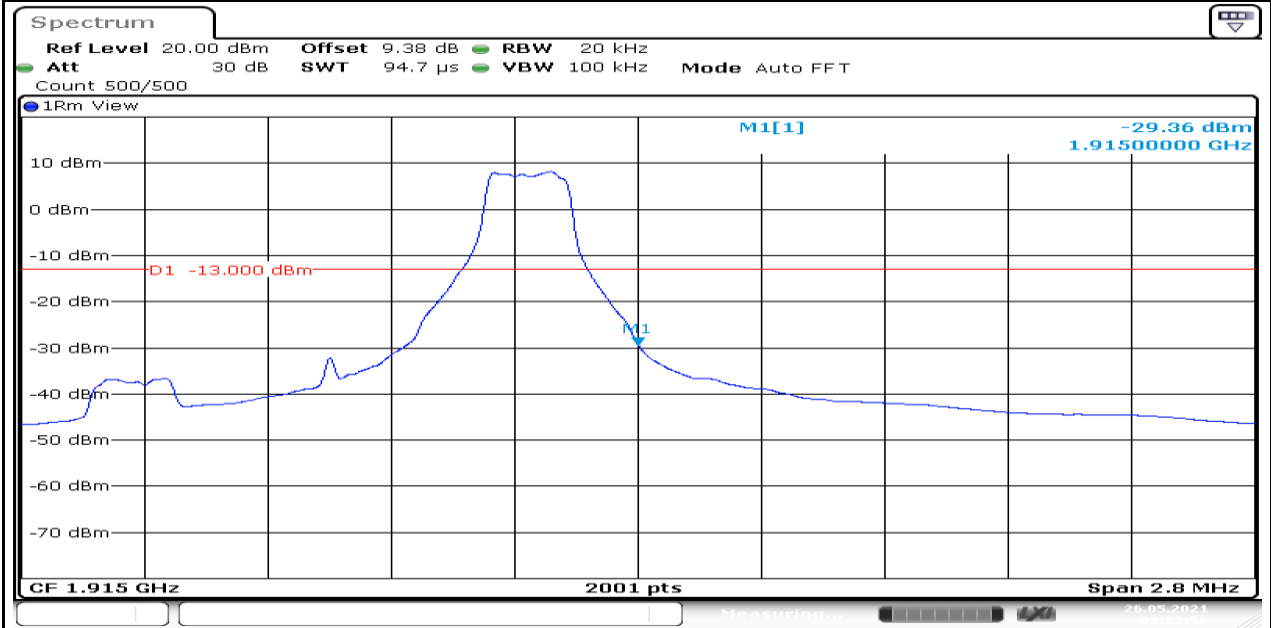
Band25-1.4MHz-16QAM-26047-1-0-Low--30.00-PASS



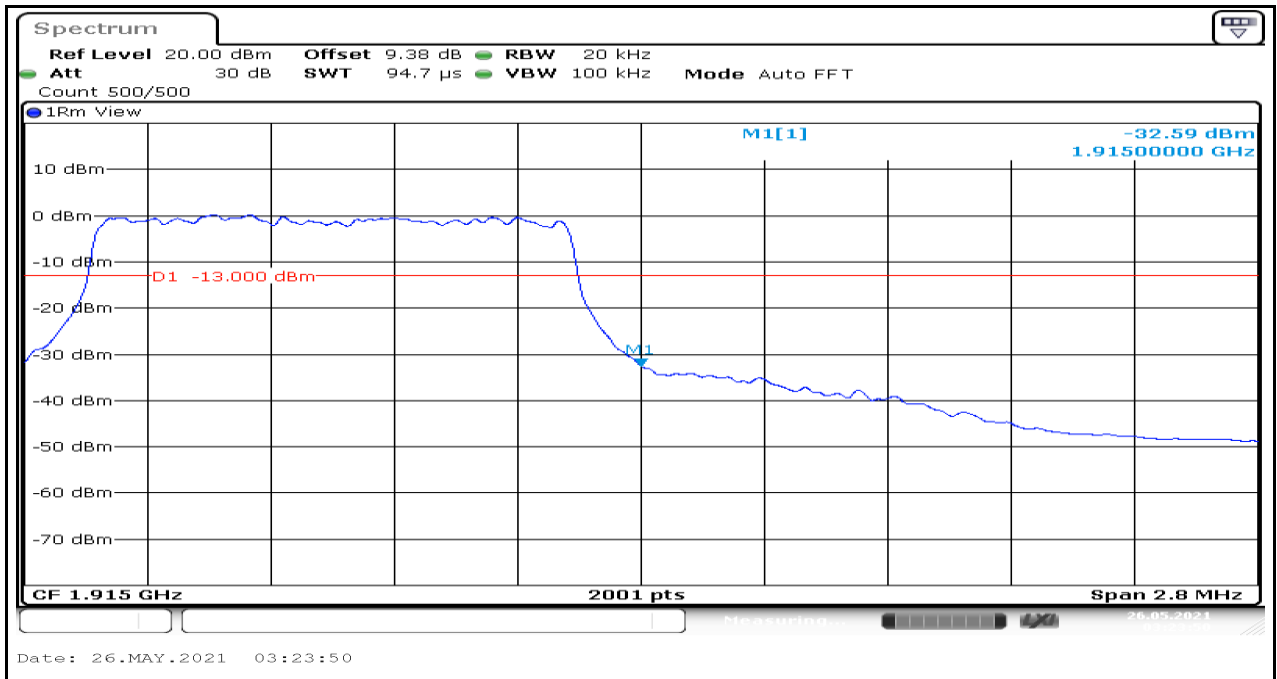
Band25-1.4MHz-16QAM-26047-6-0-Low--31.16-PASS



Band25-1.4MHz-16QAM-26683-1-5-Low--29.36-PASS



Band25-1.4MHz-16QAM-26683-6-0-Low--32.59-PASS



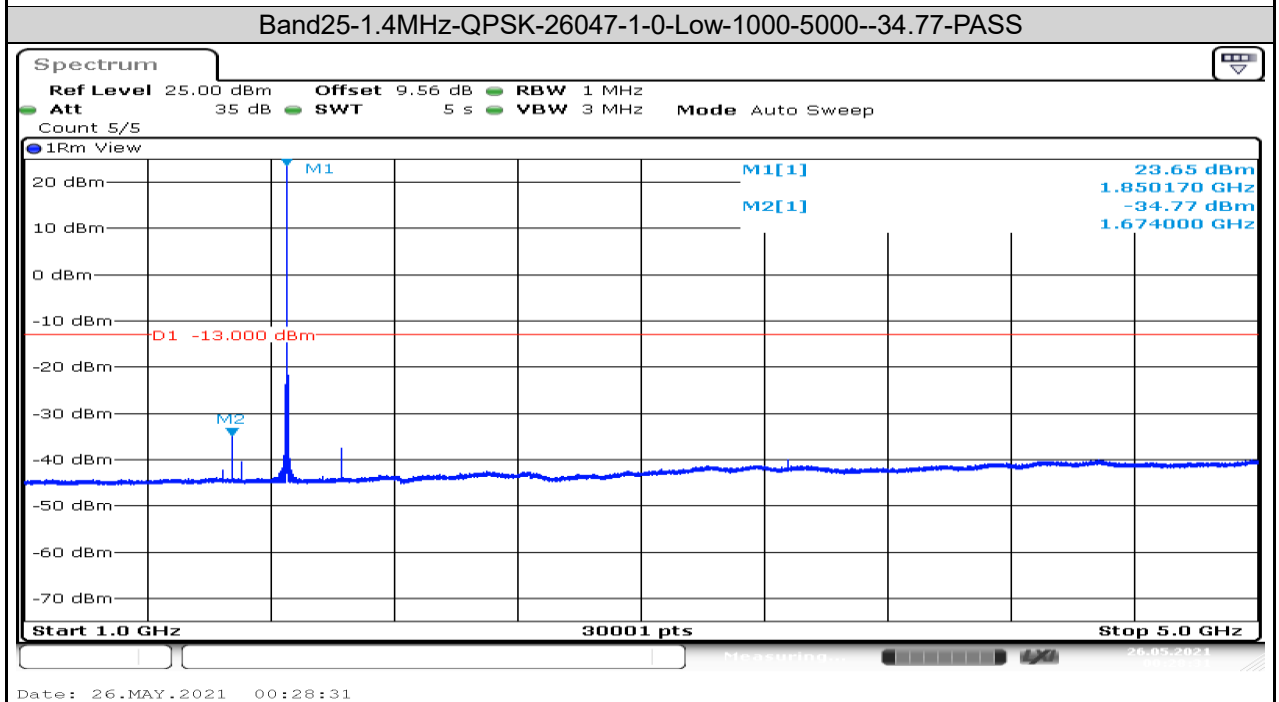
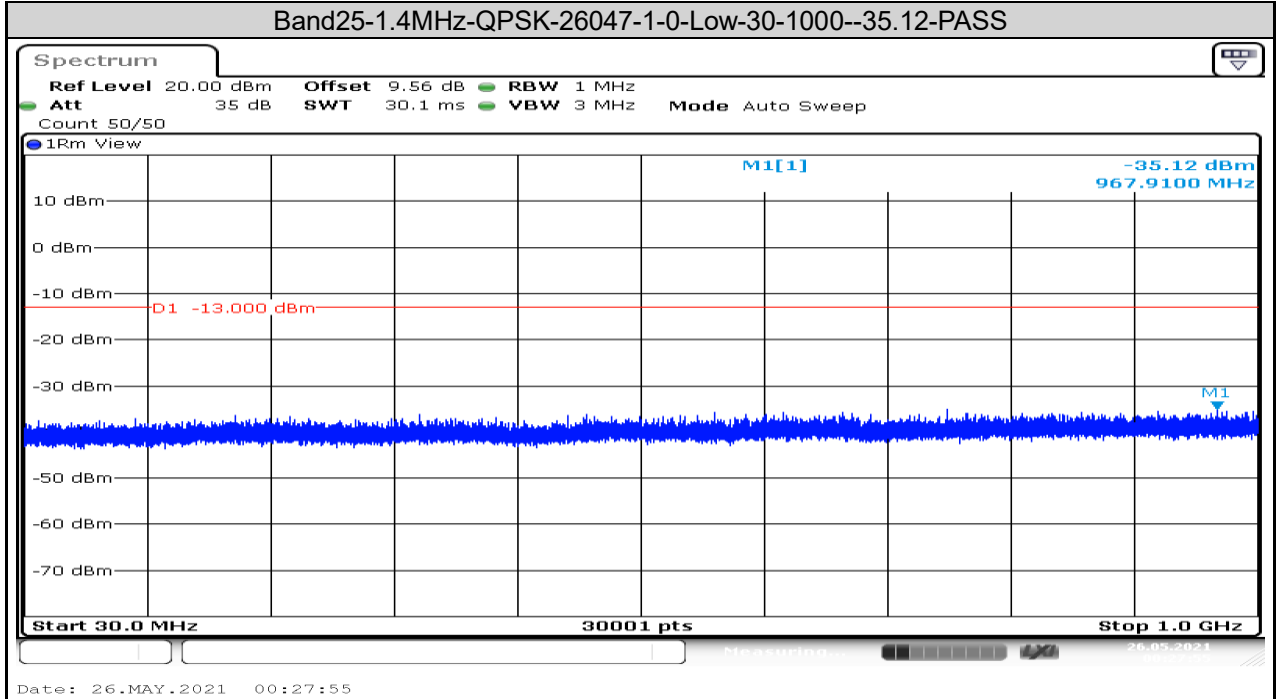
## APPENDIX F.5: CONDUCTED SPURIOUS EMISSION FOR M1

### Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band25	1.4MHz	26047	QPSK	1	0	Low	30	1000	-35.12	PASS
Band25	1.4MHz	26047	QPSK	1	0	Low	1000	5000	-34.77	PASS
Band25	1.4MHz	26047	QPSK	1	0	Low	5000	12000	-53.04	PASS
Band25	1.4MHz	26047	QPSK	1	0	Low	12000	26500	-49.06	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	30	1000	-34.48	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	1000	5000	-37.13	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	5000	12000	-53.04	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	12000	26500	-49.01	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	30	1000	-35.32	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	1000	5000	-34.36	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	5000	12000	-53.25	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	12000	26500	-49.27	PASS
Band25	1.4MHz	26365	QPSK	6	0	Low	30	1000	-35.32	PASS
Band25	1.4MHz	26365	QPSK	6	0	Low	1000	5000	-37.11	PASS
Band25	1.4MHz	26365	QPSK	6	0	Low	5000	12000	-53.2	PASS
Band25	1.4MHz	26365	QPSK	6	0	Low	12000	26500	-49.11	PASS
Band25	1.4MHz	26683	QPSK	1	5	Low	30	1000	-34.54	PASS
Band25	1.4MHz	26683	QPSK	1	5	Low	1000	5000	-34.05	PASS
Band25	1.4MHz	26683	QPSK	1	5	Low	5000	12000	-53.28	PASS
Band25	1.4MHz	26683	QPSK	1	5	Low	12000	26500	-49.29	PASS
Band25	1.4MHz	26683	QPSK	6	0	Low	30	1000	-35.16	PASS
Band25	1.4MHz	26683	QPSK	6	0	Low	1000	5000	-36.47	PASS
Band25	1.4MHz	26683	QPSK	6	0	Low	5000	12000	-53.38	PASS
Band25	1.4MHz	26683	QPSK	6	0	Low	12000	26500	-49.21	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	30	1000	-35.3	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	1000	5000	-35.15	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	5000	12000	-52.99	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	12000	26500	-49.02	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	30	1000	-34.87	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	1000	5000	-37.29	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	5000	12000	-53.02	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	12000	26500	-49.17	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	30	1000	-34.49	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	1000	5000	-35.31	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	5000	12000	-53.12	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	12000	26500	-49.22	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	30	1000	-35.34	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	1000	5000	-37.24	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	5000	12000	-53.29	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	12000	26500	-49.24	PASS
Band25	1.4MHz	26683	16QAM	1	5	Low	30	1000	-34.64	PASS
Band25	1.4MHz	26683	16QAM	1	5	Low	1000	5000	-34.55	PASS
Band25	1.4MHz	26683	16QAM	1	5	Low	5000	12000	-53.26	PASS
Band25	1.4MHz	26683	16QAM	1	5	Low	12000	26500	-49.16	PASS
Band25	1.4MHz	26683	16QAM	6	0	Low	30	1000	-34.69	PASS

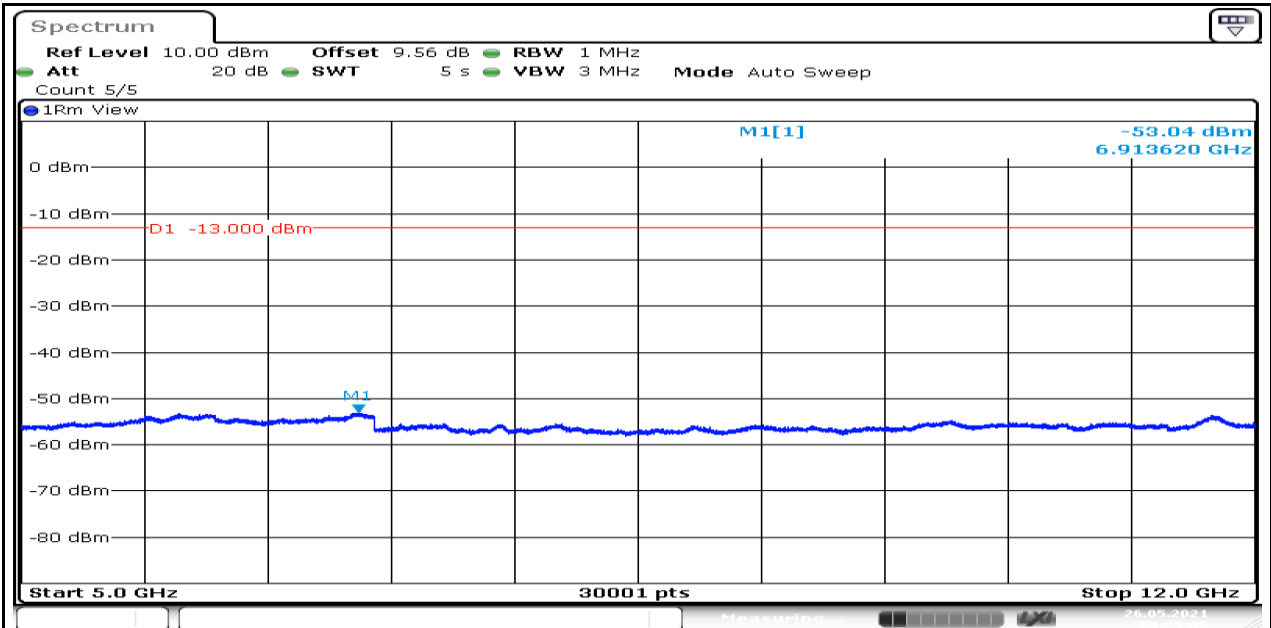
Band25	1.4MHz	26683	16QAM	6	0	Low	1000	5000	-36.49	PASS
Band25	1.4MHz	26683	16QAM	6	0	Low	5000	12000	-53.22	PASS
Band25	1.4MHz	26683	16QAM	6	0	Low	12000	26500	-49.29	PASS

### Test Graphs

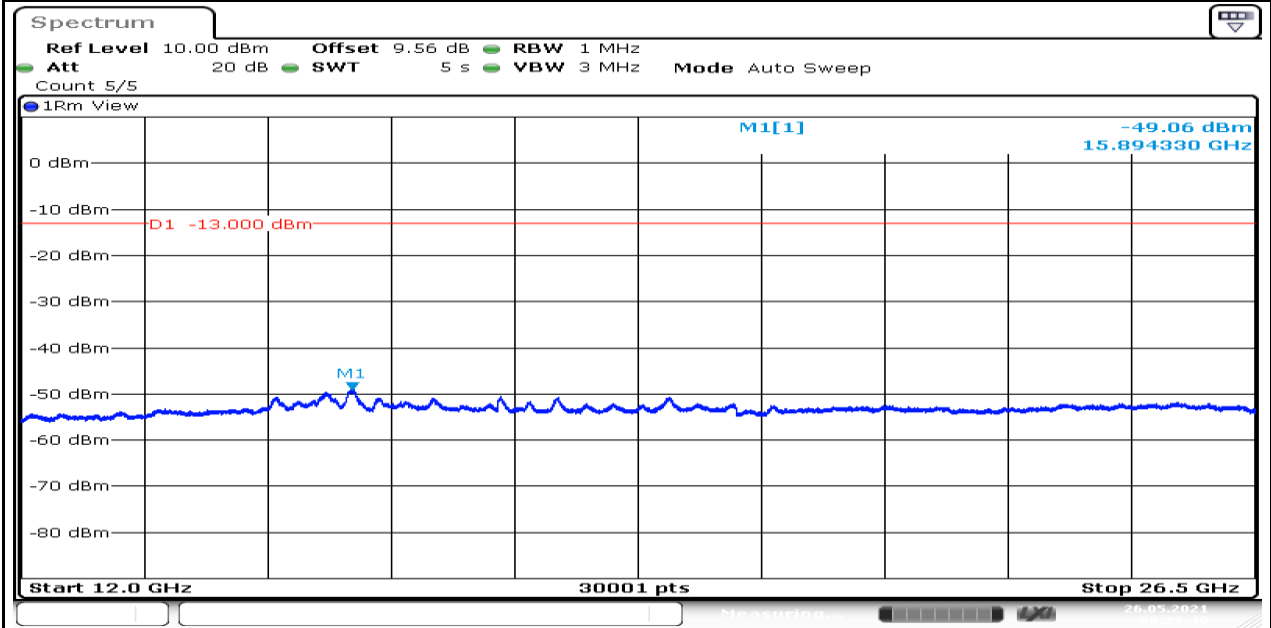


**Band25-1.4MHz-QPSK-26047-1-0-Low-5000-12000--53.04-PASS**

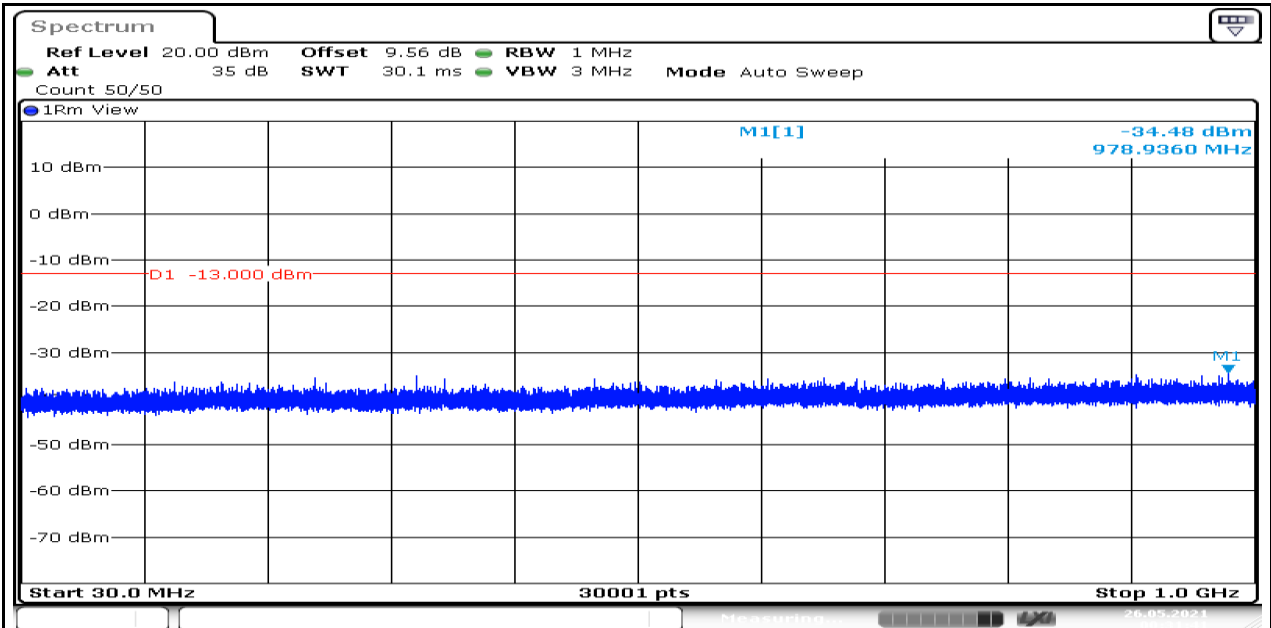




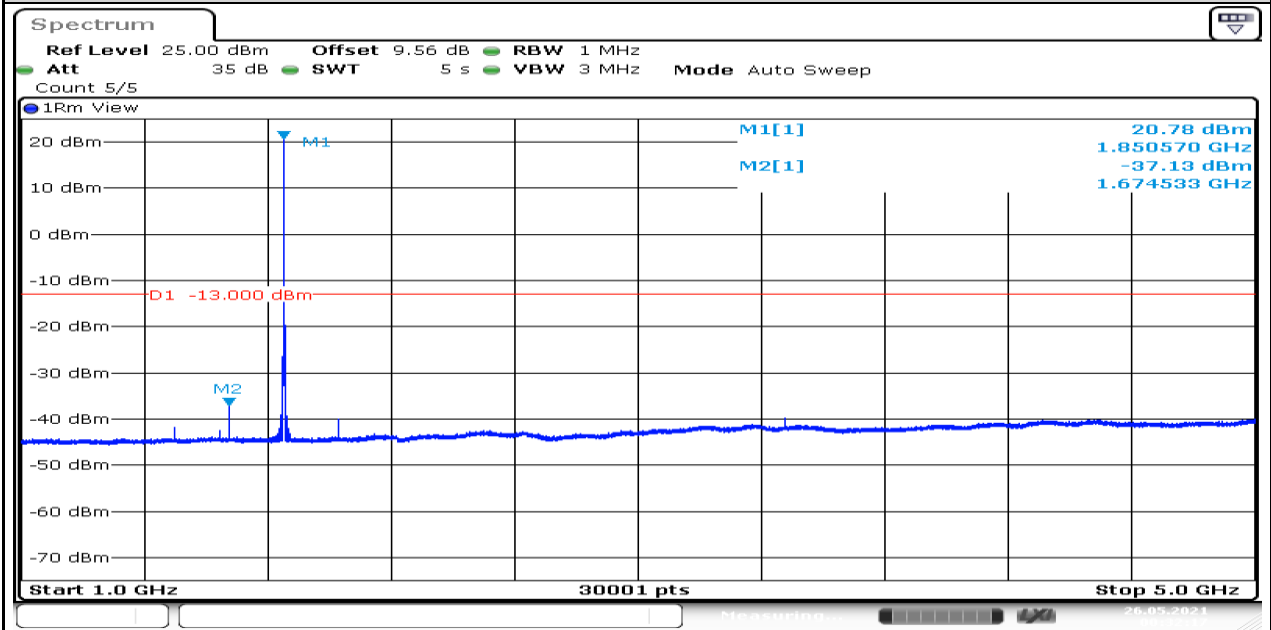
Band25-1.4MHz-QPSK-26047-1-0-Low-12000-26500--49.06-PASS



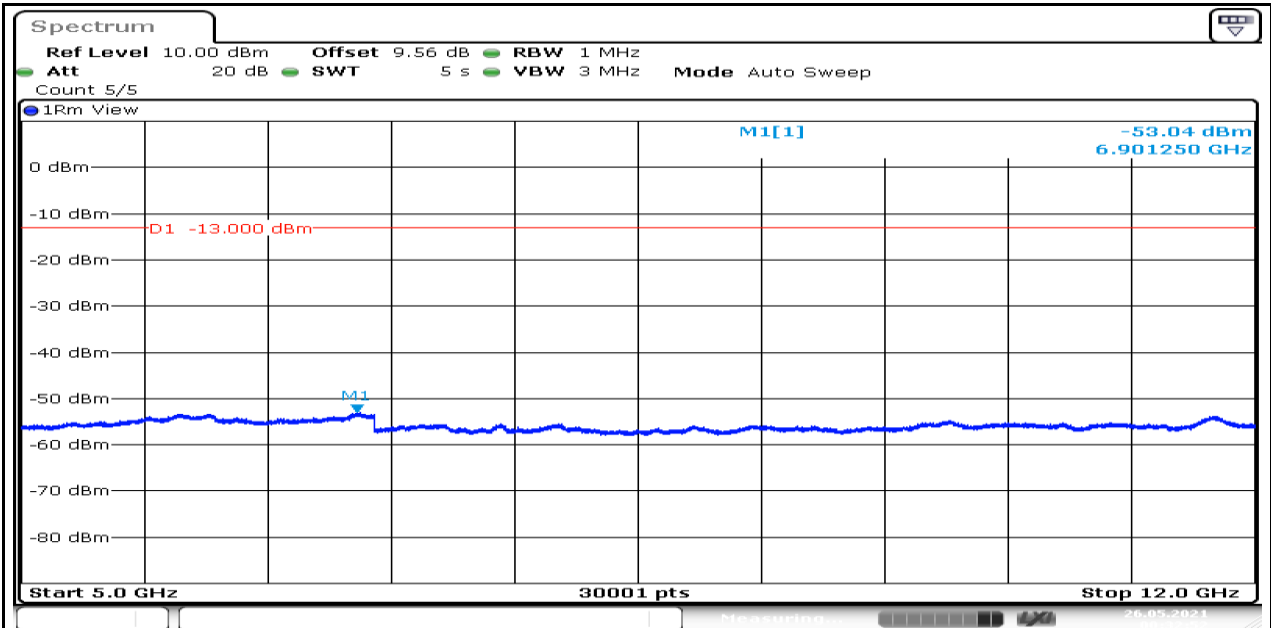
Band25-1.4MHz-QPSK-26047-6-0-Low-30-1000--34.48-PASS



Band25-1.4MHz-QPSK-26047-6-0-Low-1000-5000--37.13-PASS

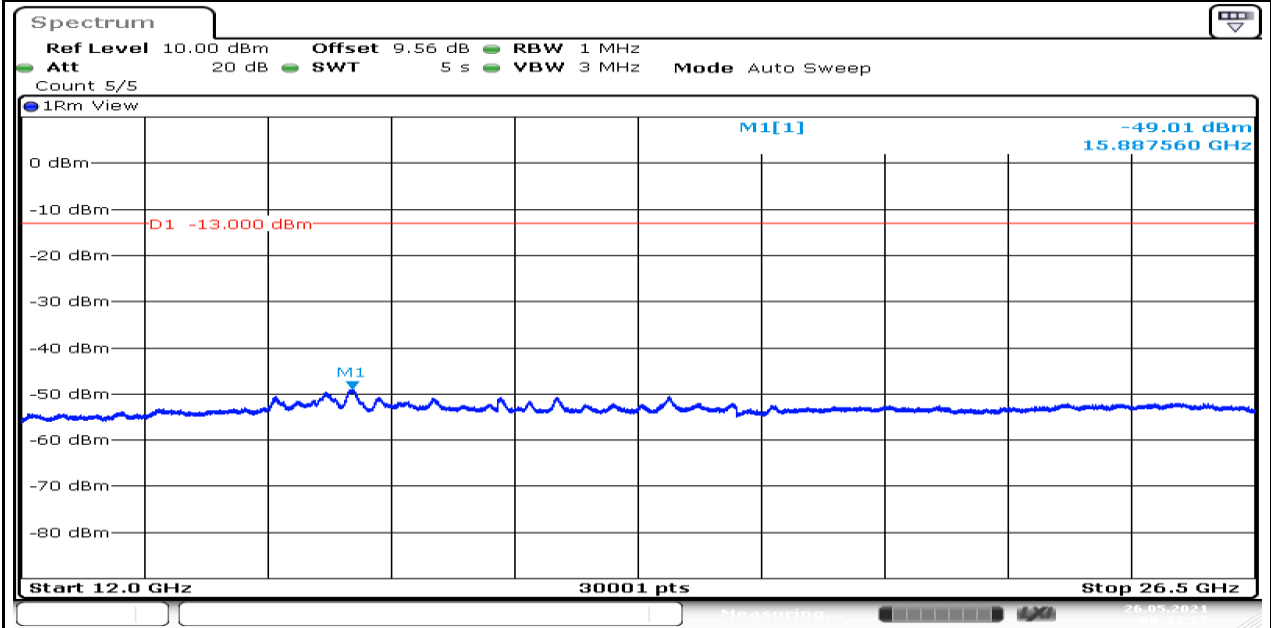


Band25-1.4MHz-QPSK-26047-6-0-Low-5000-12000--53.04-PASS



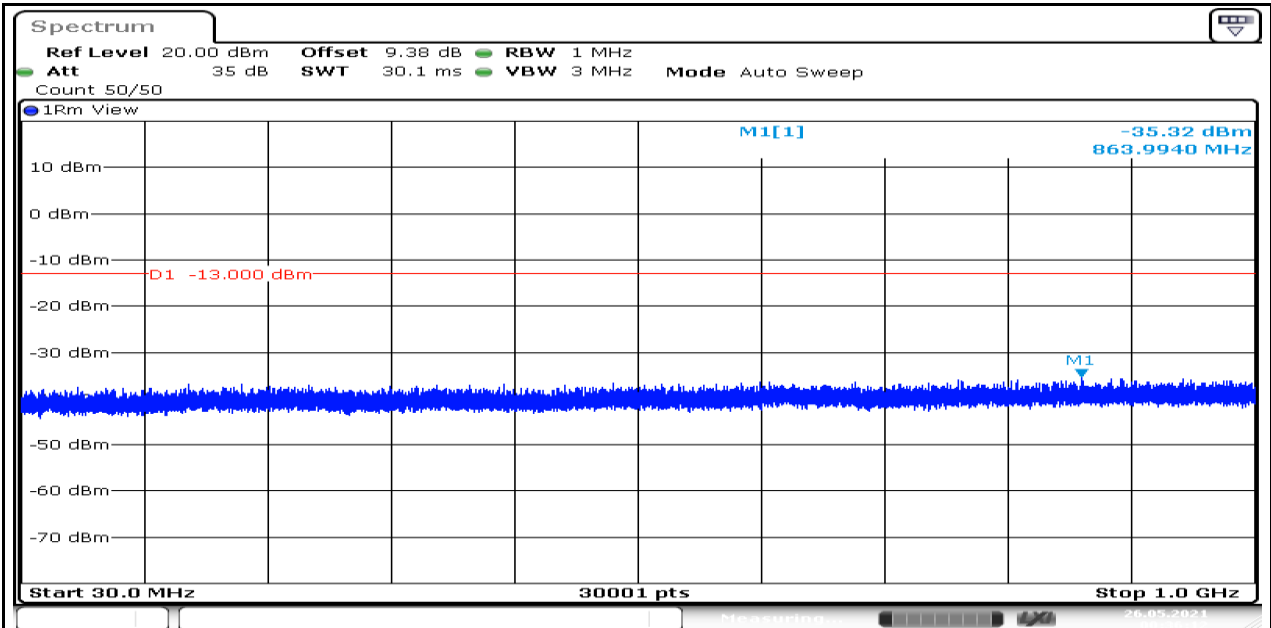
Date: 26.MAY.2021 00:32:52

Band25-1.4MHz-QPSK-26047-6-0-Low-12000-26500--49.01-PASS

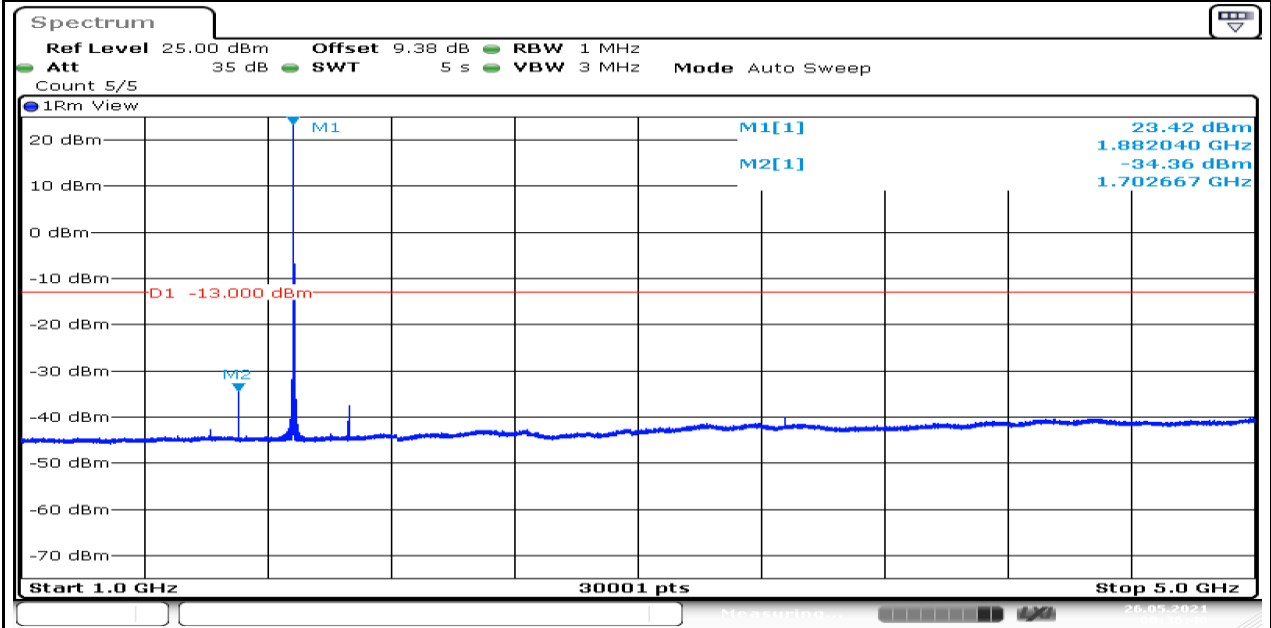


Date: 26.MAY.2021 00:33:27

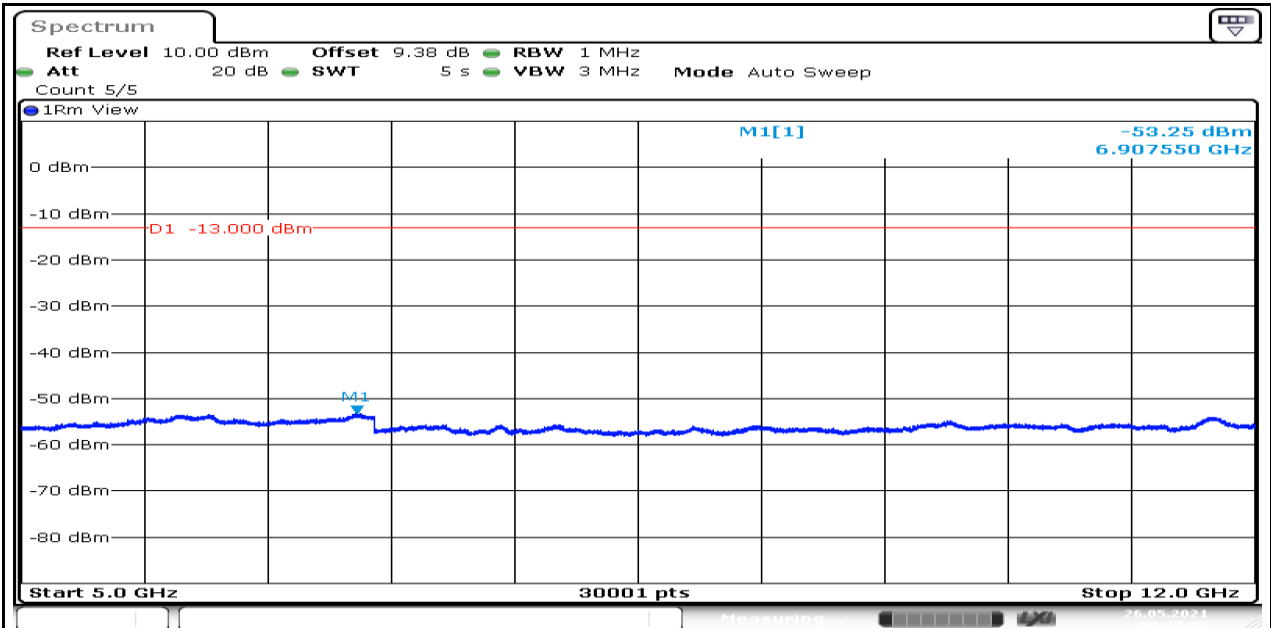
Band25-1.4MHz-QPSK-26365-1-0-Low-30-1000--35.32-PASS



Band25-1.4MHz-QPSK-26365-1-0-Low-1000-5000--34.36-PASS

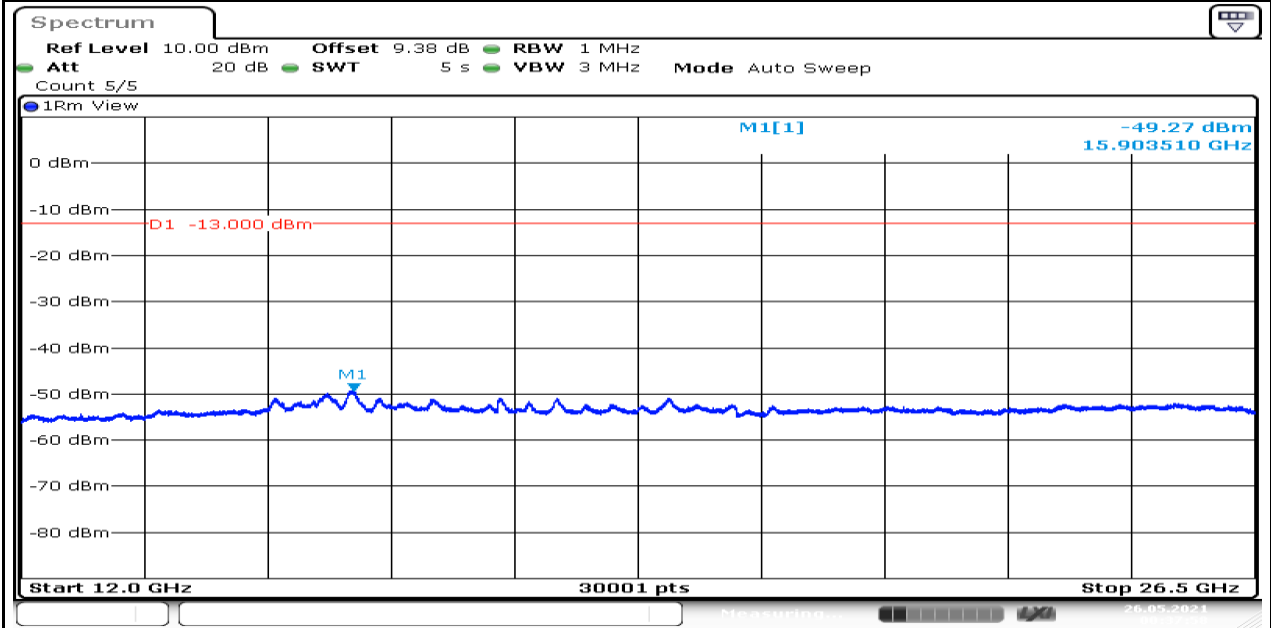


Band25-1.4MHz-QPSK-26365-1-0-Low-5000-12000--53.25-PASS



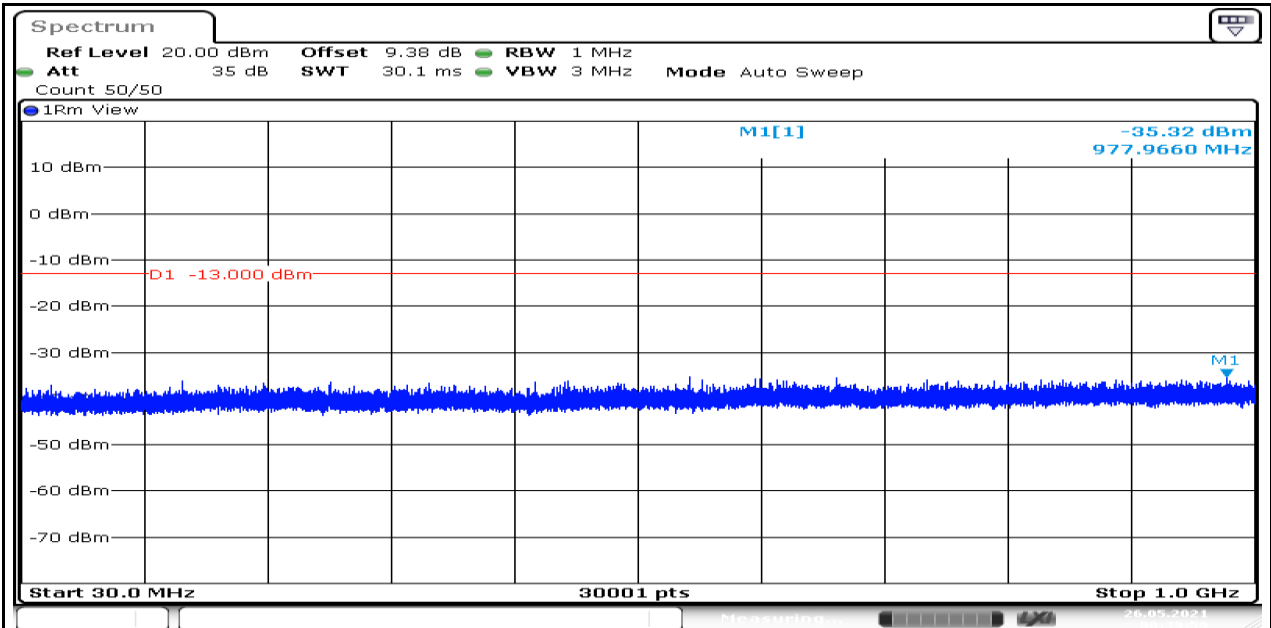
Date: 26.MAY.2021 00:37:23

Band25-1.4MHz-QPSK-26365-1-0-Low-12000-26500--49.27-PASS

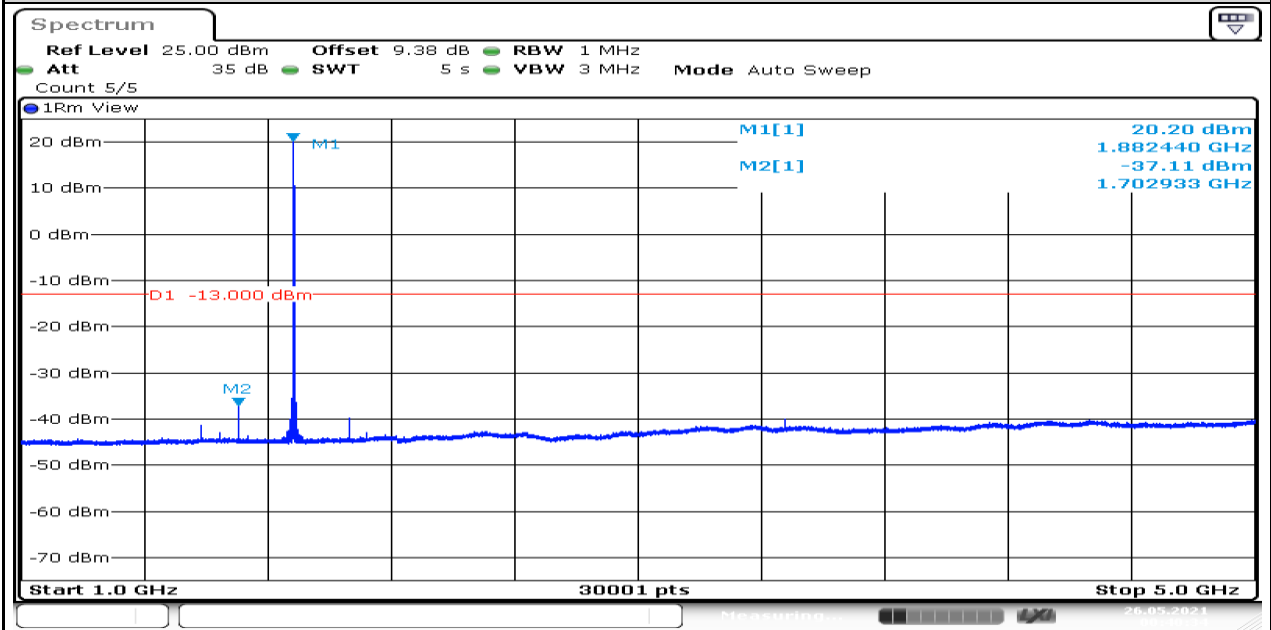


Date: 26.MAY.2021 00:37:58

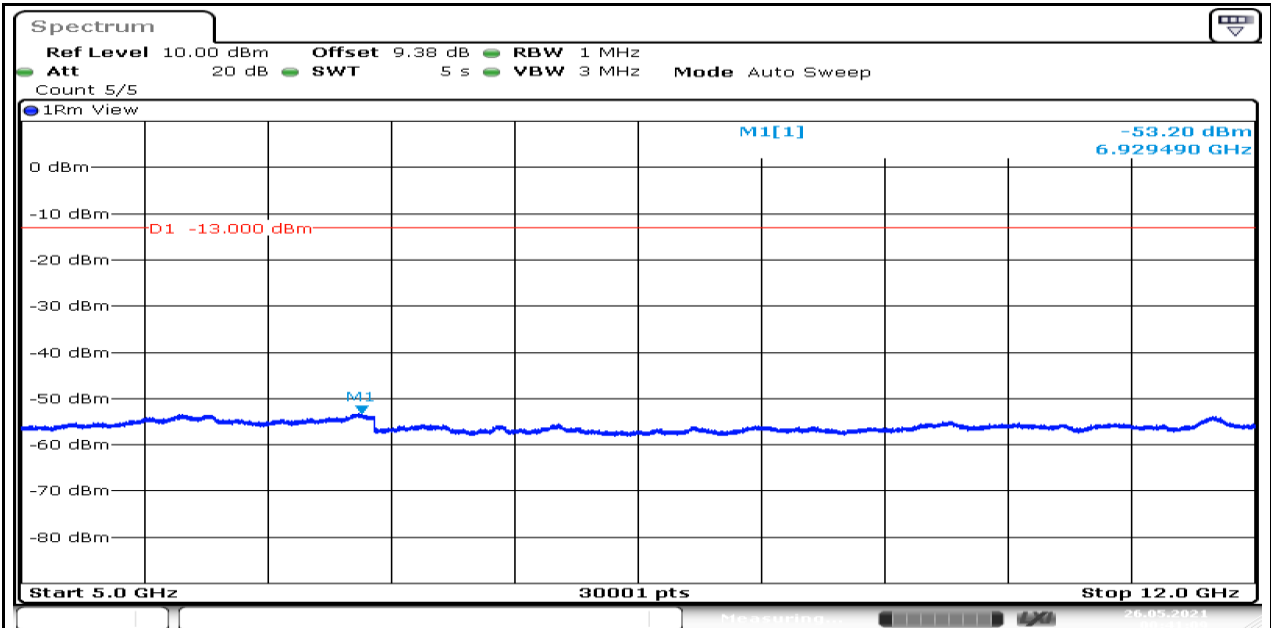
Band25-1.4MHz-QPSK-26365-6-0-Low-30-1000--35.32-PASS



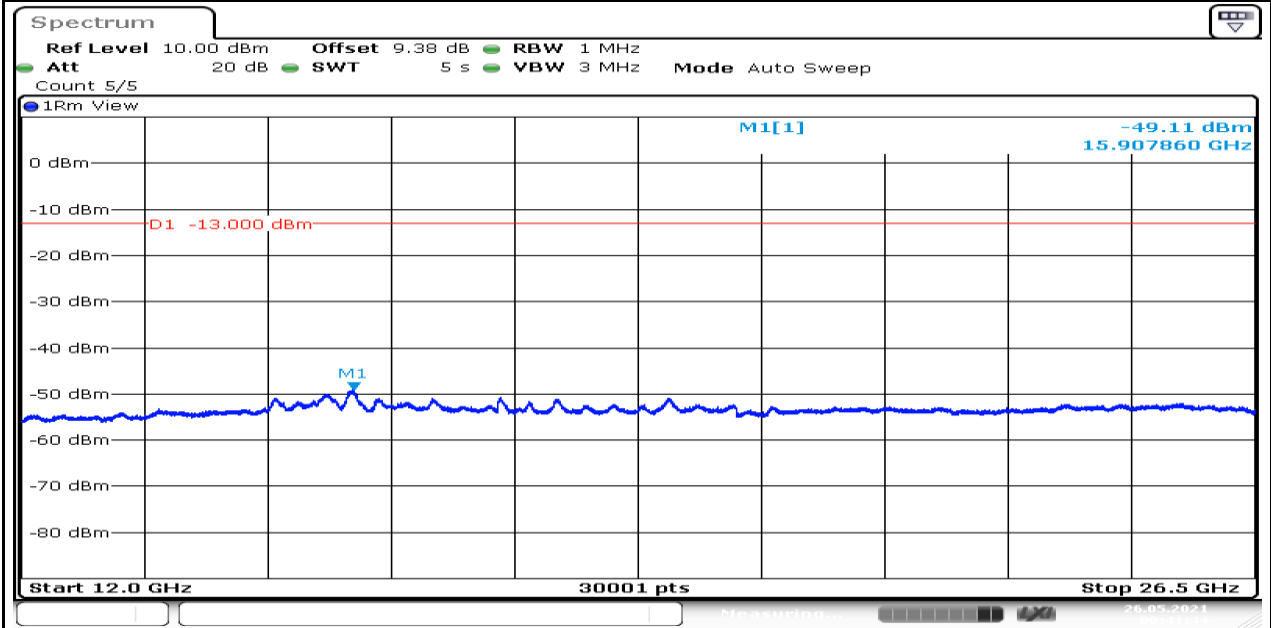
Band25-1.4MHz-QPSK-26365-6-0-Low-1000-5000--37.11-PASS



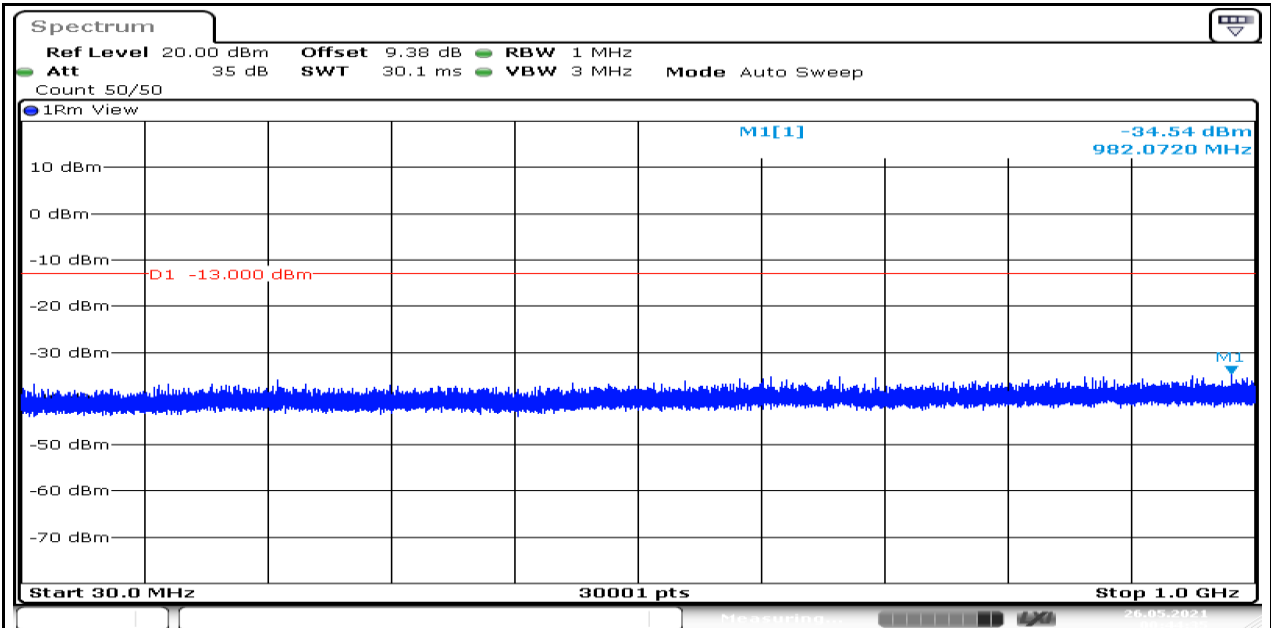
Band25-1.4MHz-QPSK-26365-6-0-Low-5000-12000--53.2-PASS



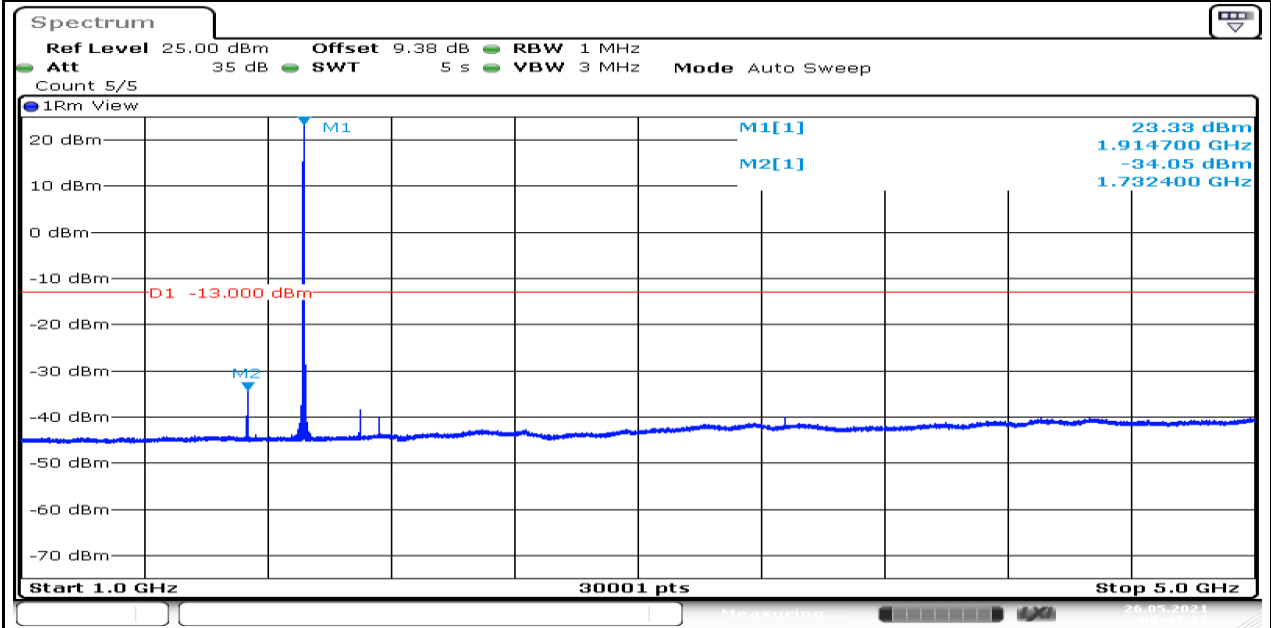
Band25-1.4MHz-QPSK-26365-6-0-Low-12000-26500--49.11-PASS



Band25-1.4MHz-QPSK-26683-1-5-Low-30-1000--34.54-PASS

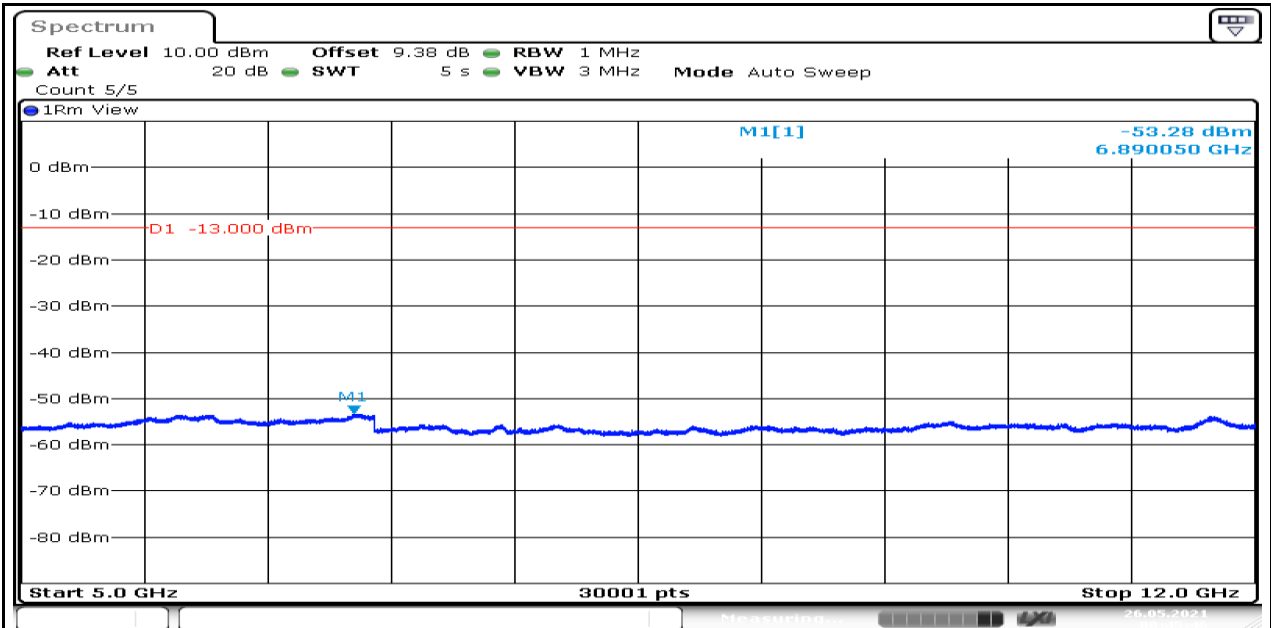


Band25-1.4MHz-QPSK-26683-1-5-Low-1000-5000--34.05-PASS

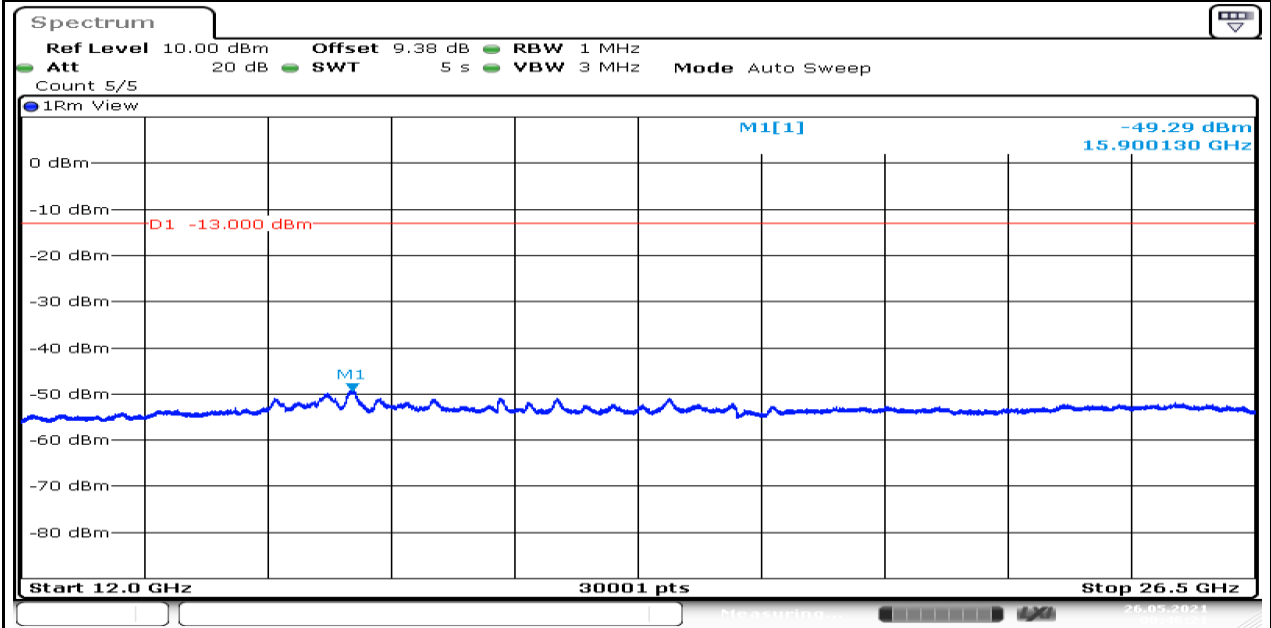


Band25-1.4MHz-QPSK-26683-1-5-Low-5000-12000--53.28-PASS

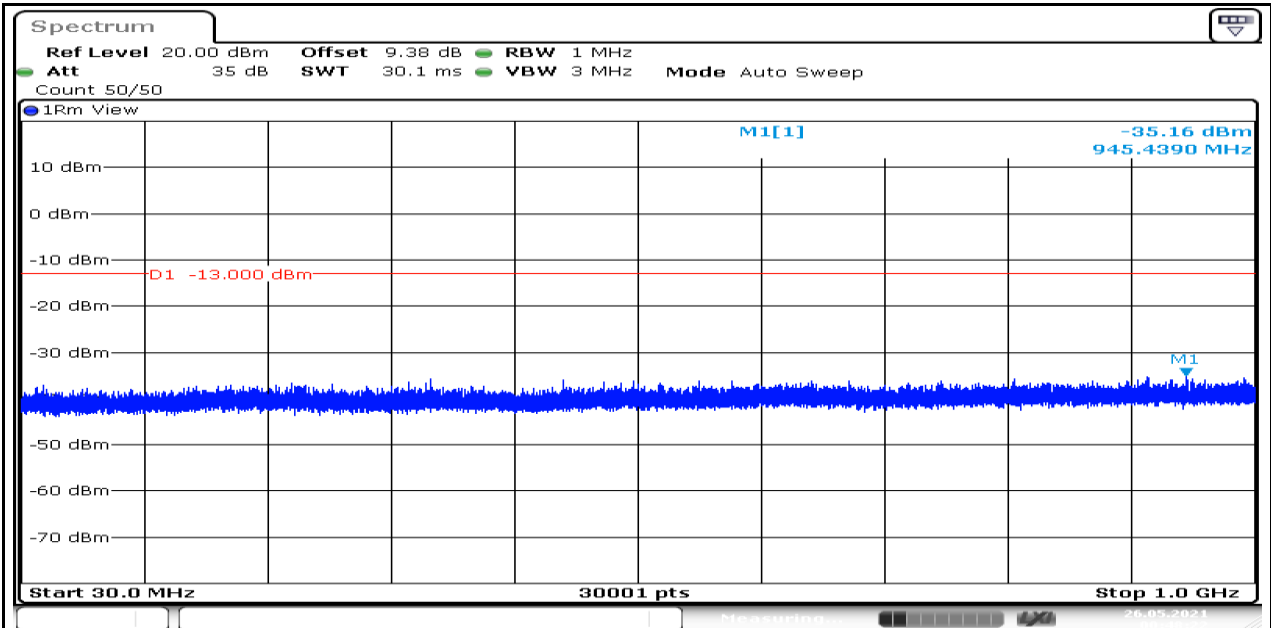




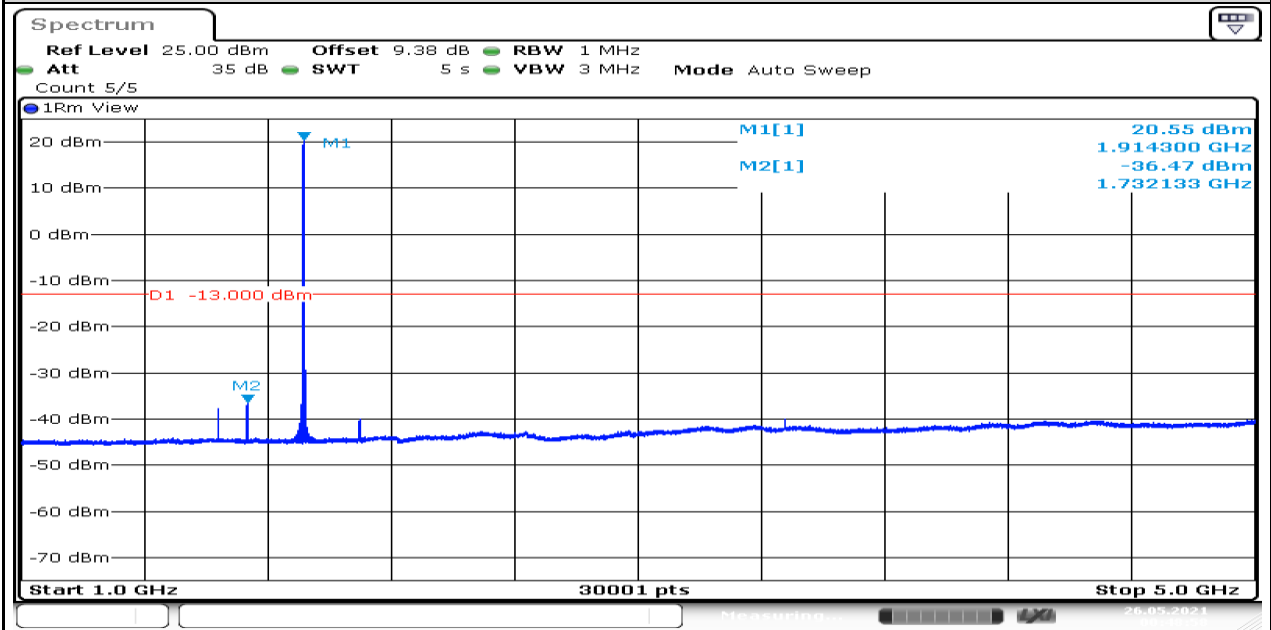
Band25-1.4MHz-QPSK-26683-1-5-Low-12000-26500--49.29-PASS



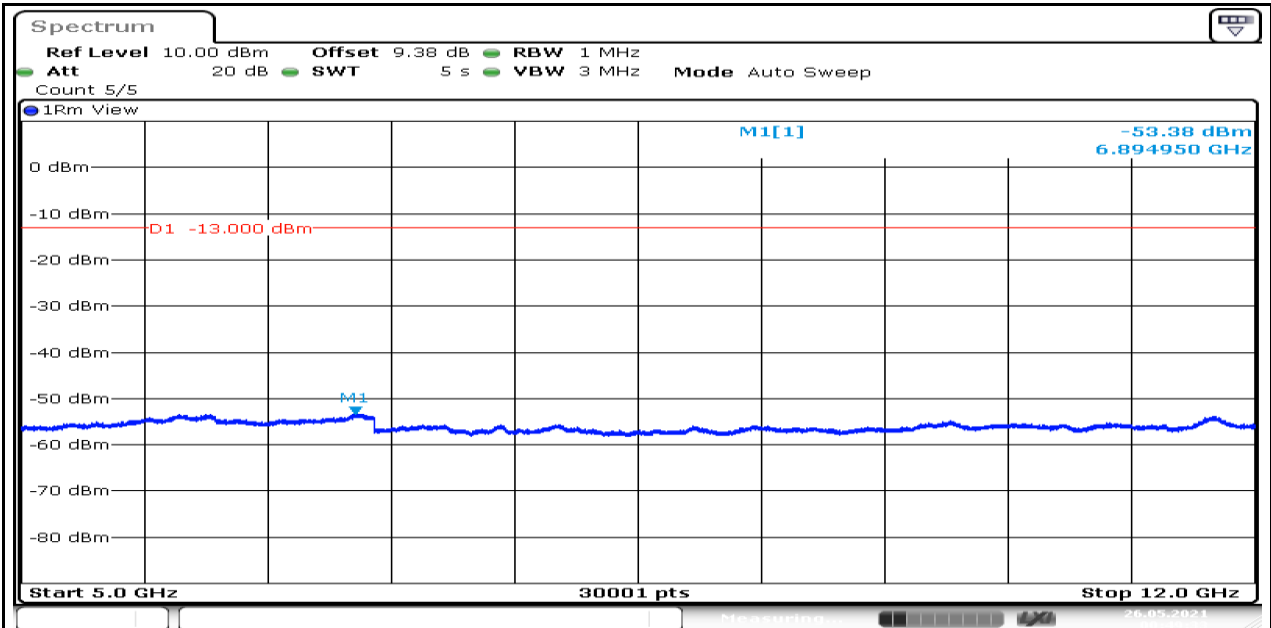
Band25-1.4MHz-QPSK-26683-6-0-Low-30-1000--35.16-PASS



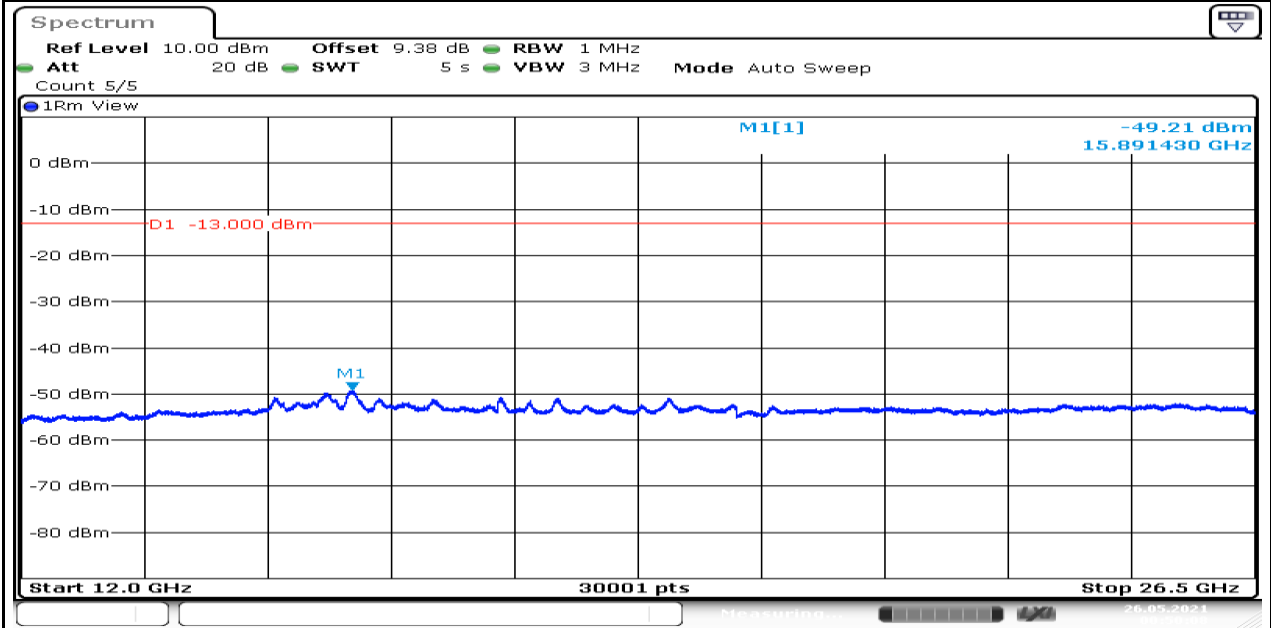
Band25-1.4MHz-QPSK-26683-6-0-Low-1000-5000--36.47-PASS



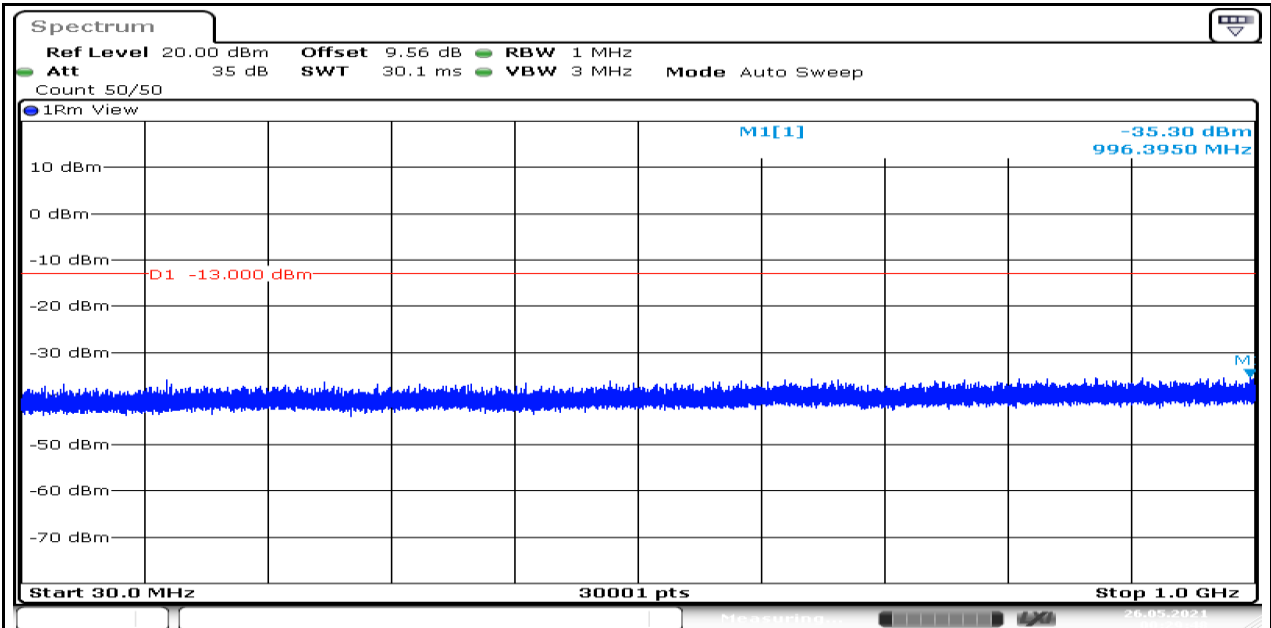
Band25-1.4MHz-QPSK-26683-6-0-Low-5000-12000--53.38-PASS



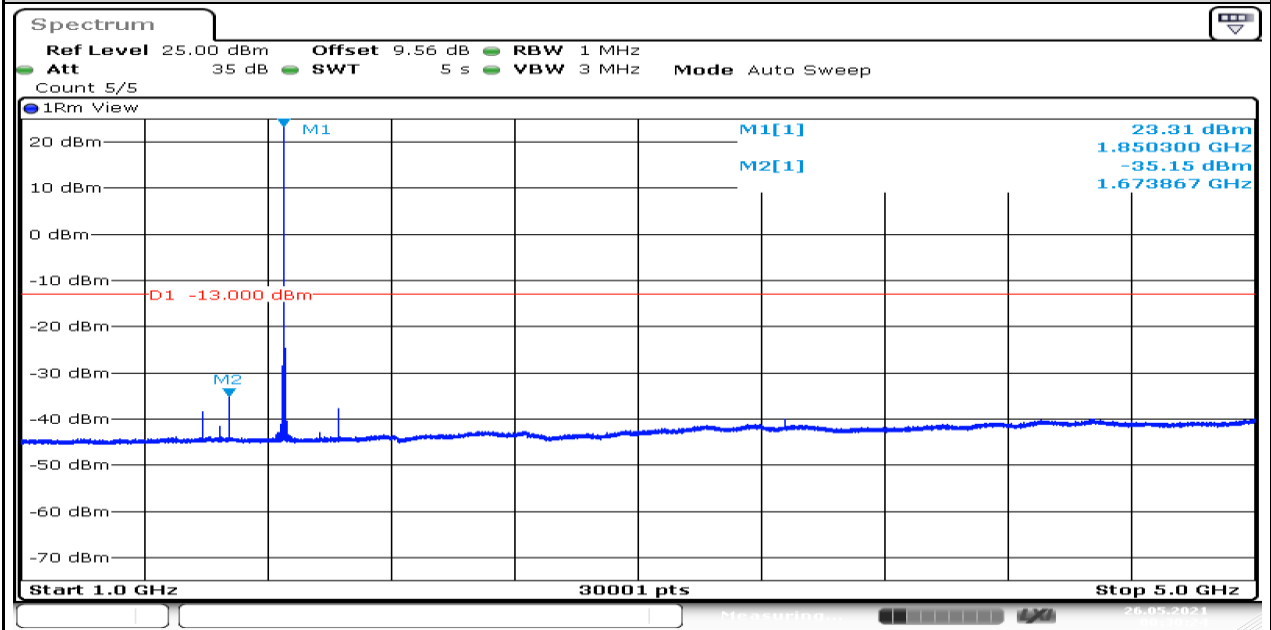
Band25-1.4MHz-QPSK-26683-6-0-Low-12000-26500--49.21-PASS



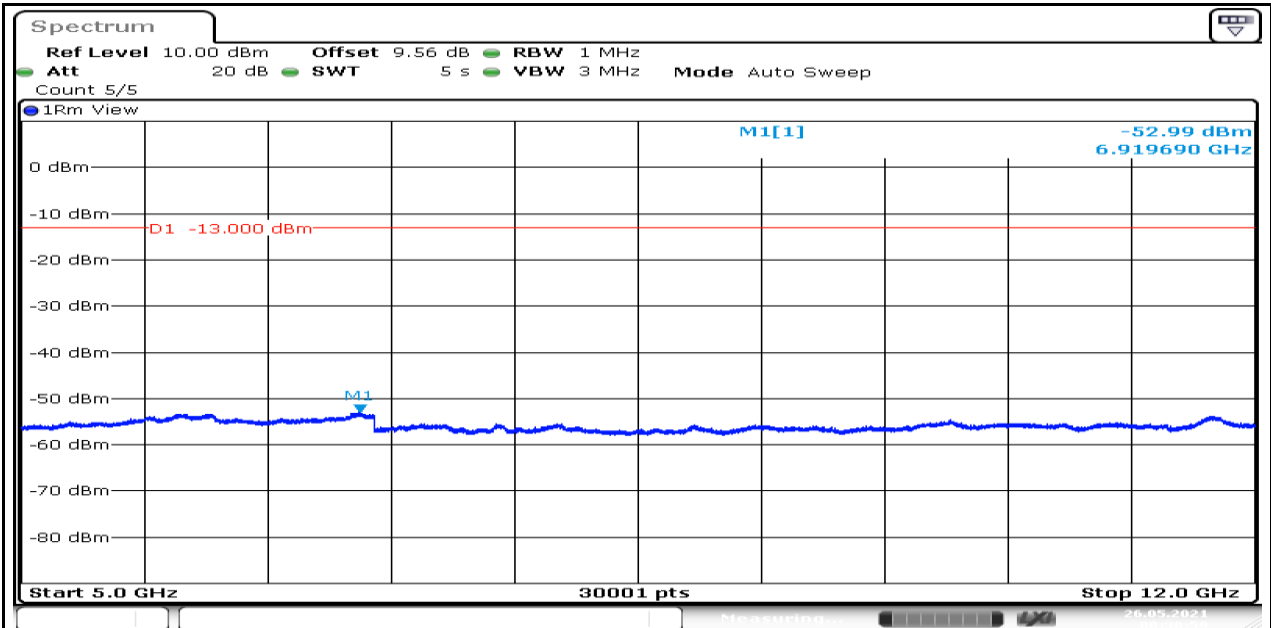
Band25-1.4MHz-16QAM-26047-1-0-Low-30-1000--35.3-PASS



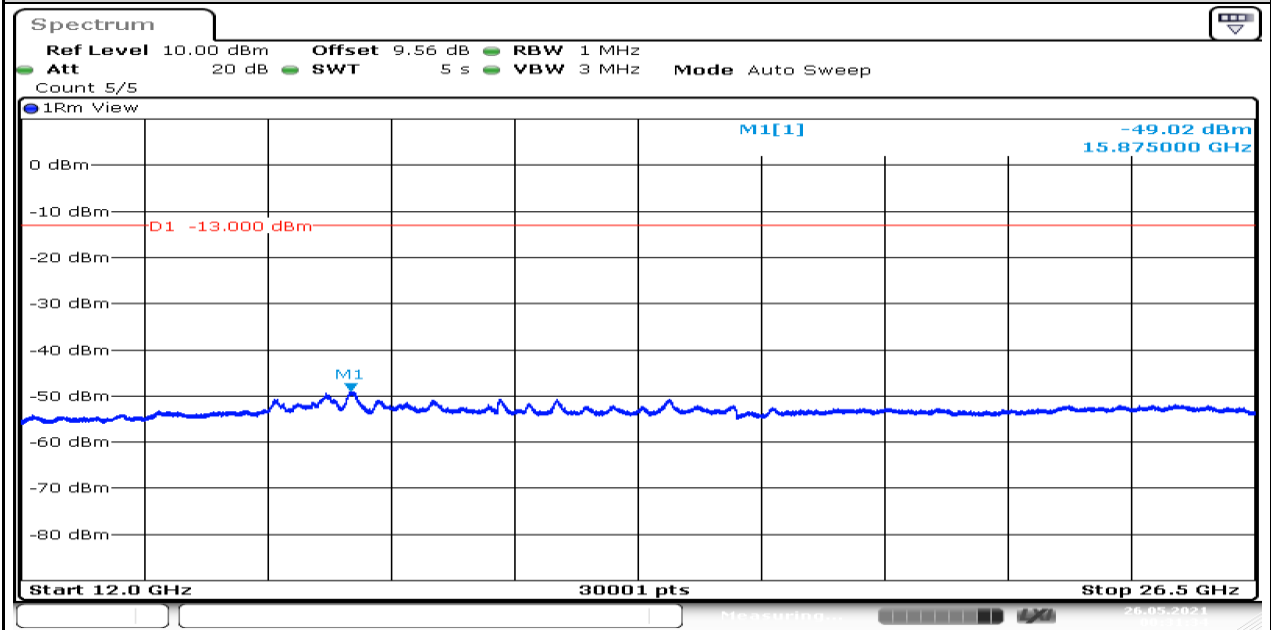
Band25-1.4MHz-16QAM-26047-1-0-Low-1000-5000--35.15-PASS



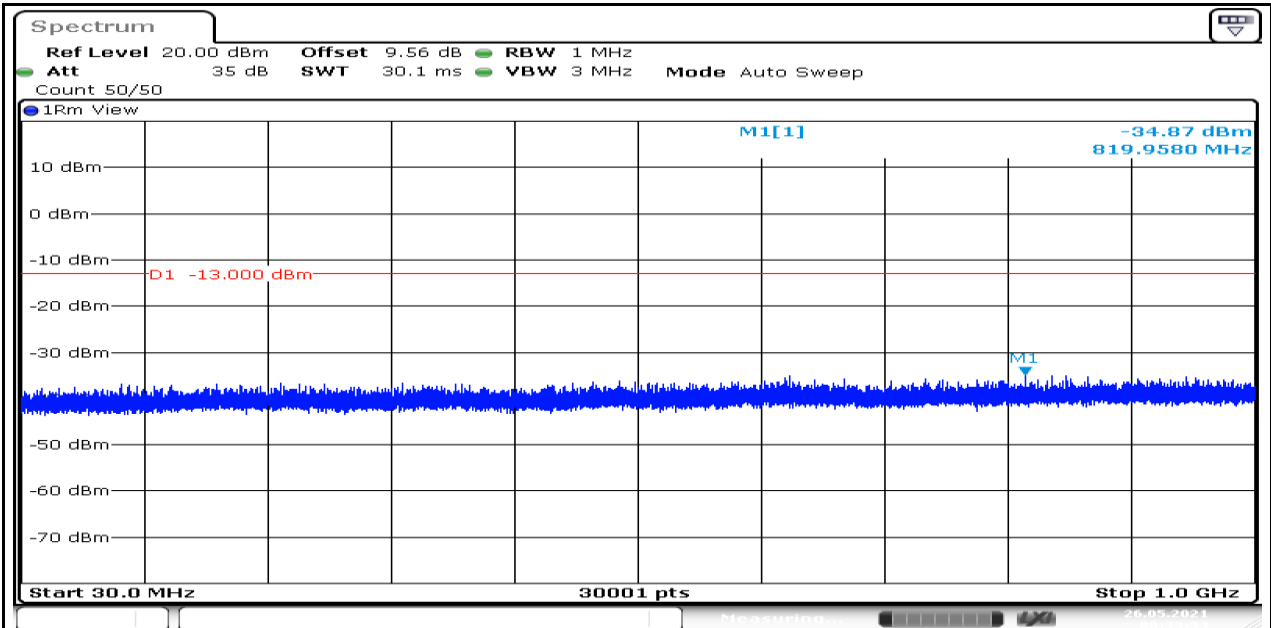
Band25-1.4MHz-16QAM-26047-1-0-Low-5000-12000--52.99-PASS



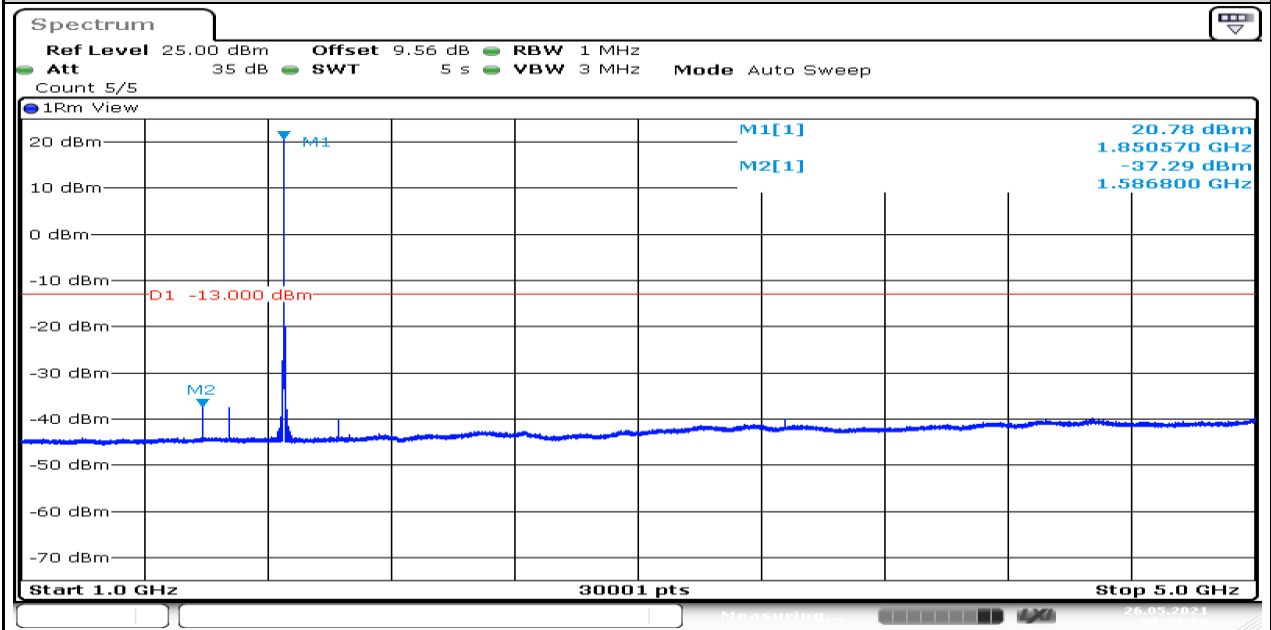
Band25-1.4MHz-16QAM-26047-1-0-Low-12000-26500--49.02-PASS



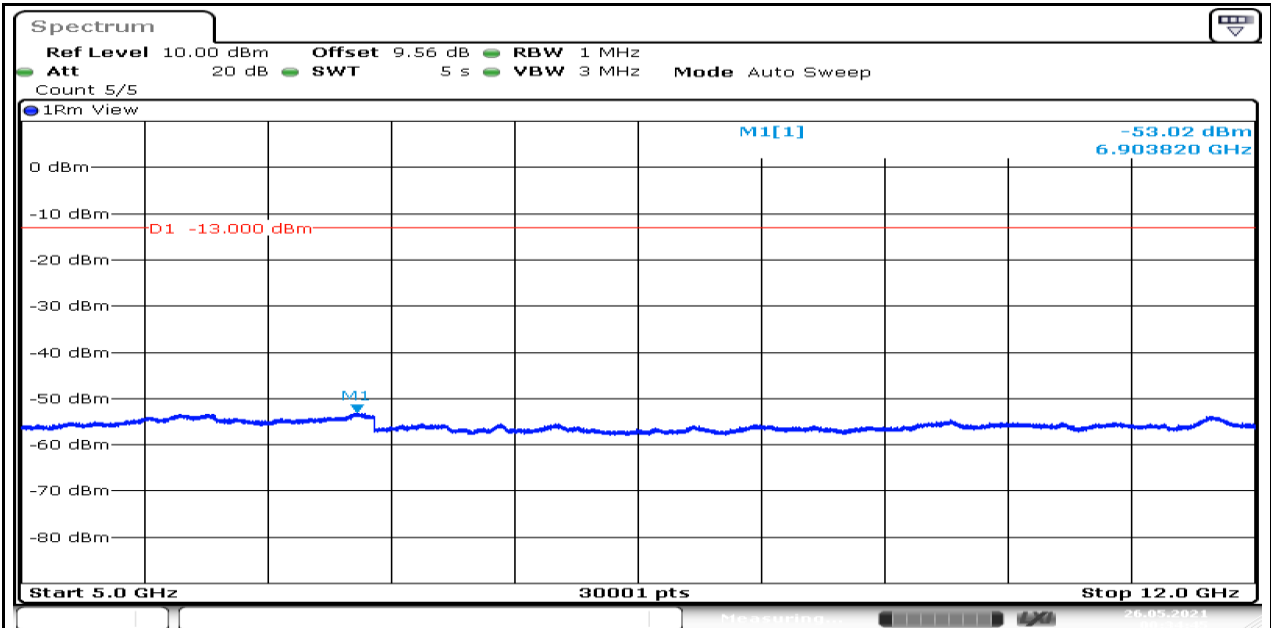
Band25-1.4MHz-16QAM-26047-6-0-Low-30-1000--34.87-PASS



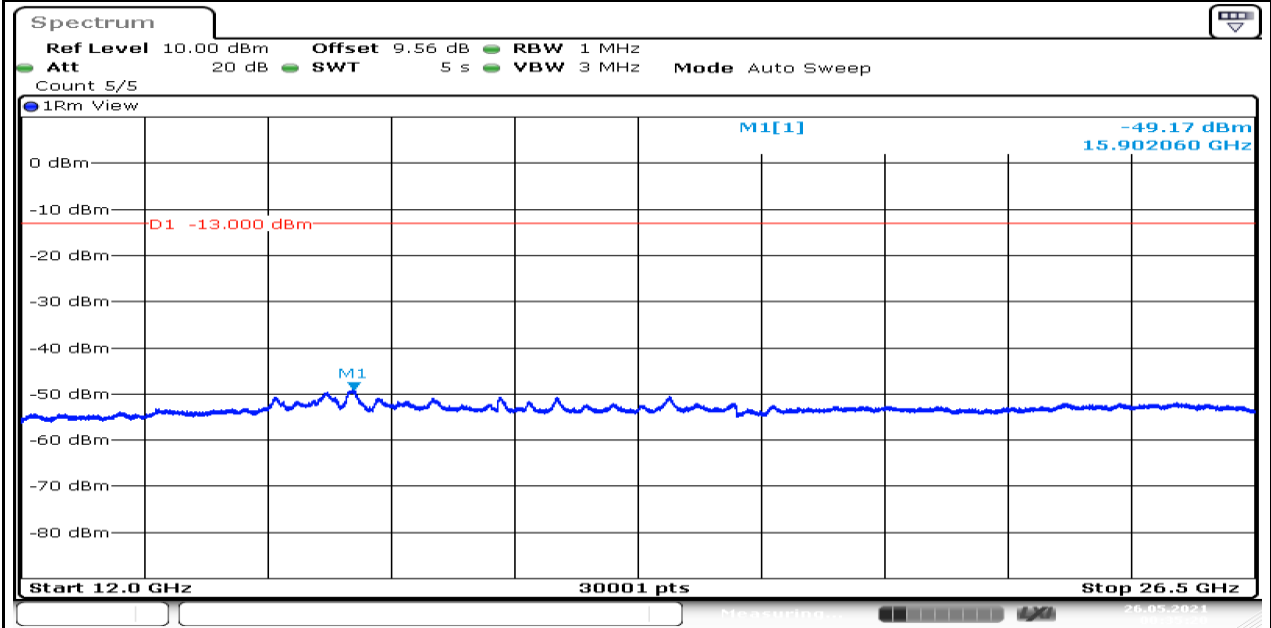
Band25-1.4MHz-16QAM-26047-6-0-Low-1000-5000--37.29-PASS



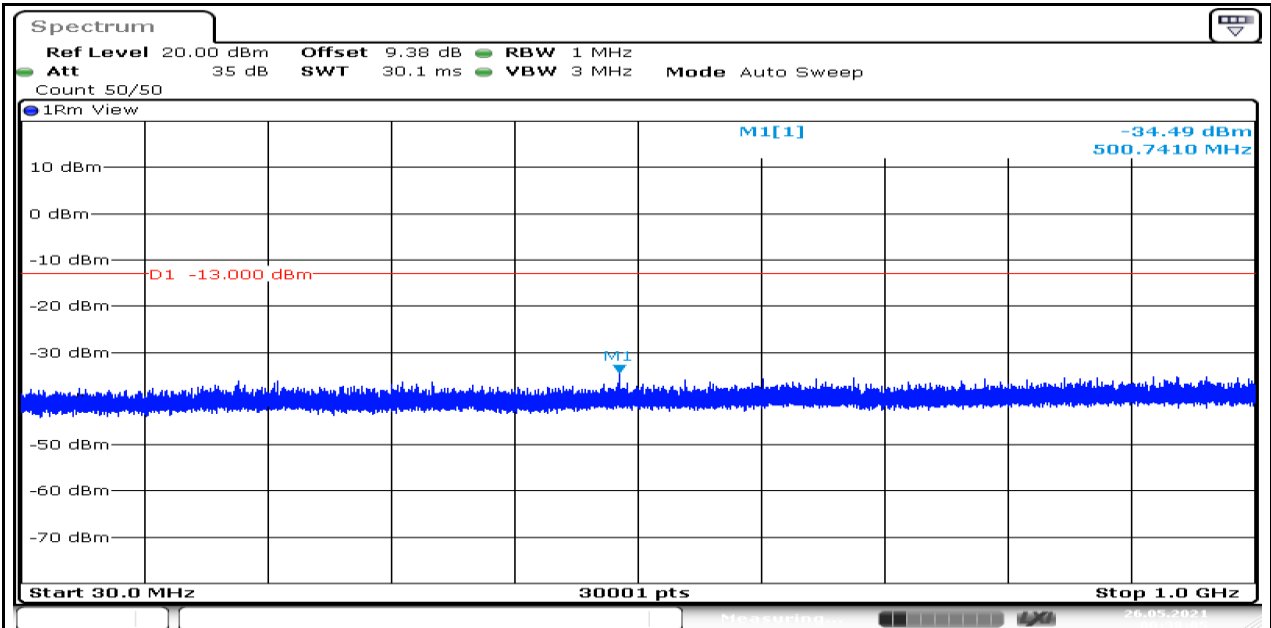
Band25-1.4MHz-16QAM-26047-6-0-Low-5000-12000--53.02-PASS



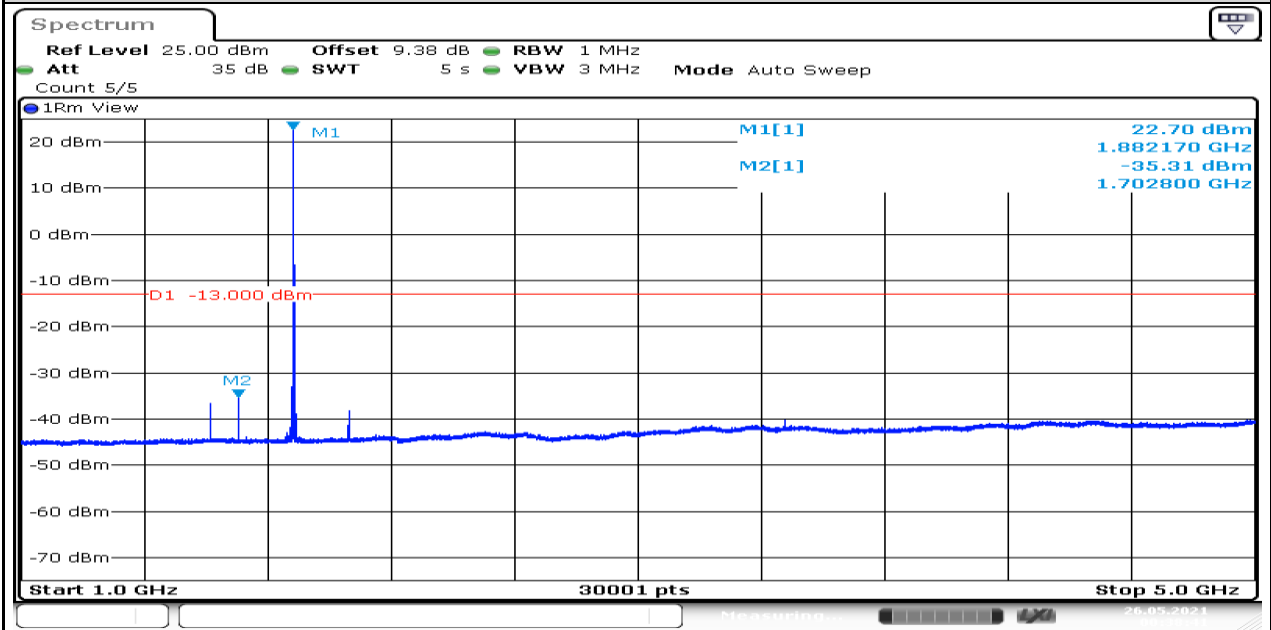
Band25-1.4MHz-16QAM-26047-6-0-Low-12000-26500--49.17-PASS



Band25-1.4MHz-16QAM-26365-1-0-Low-30-1000--34.49-PASS

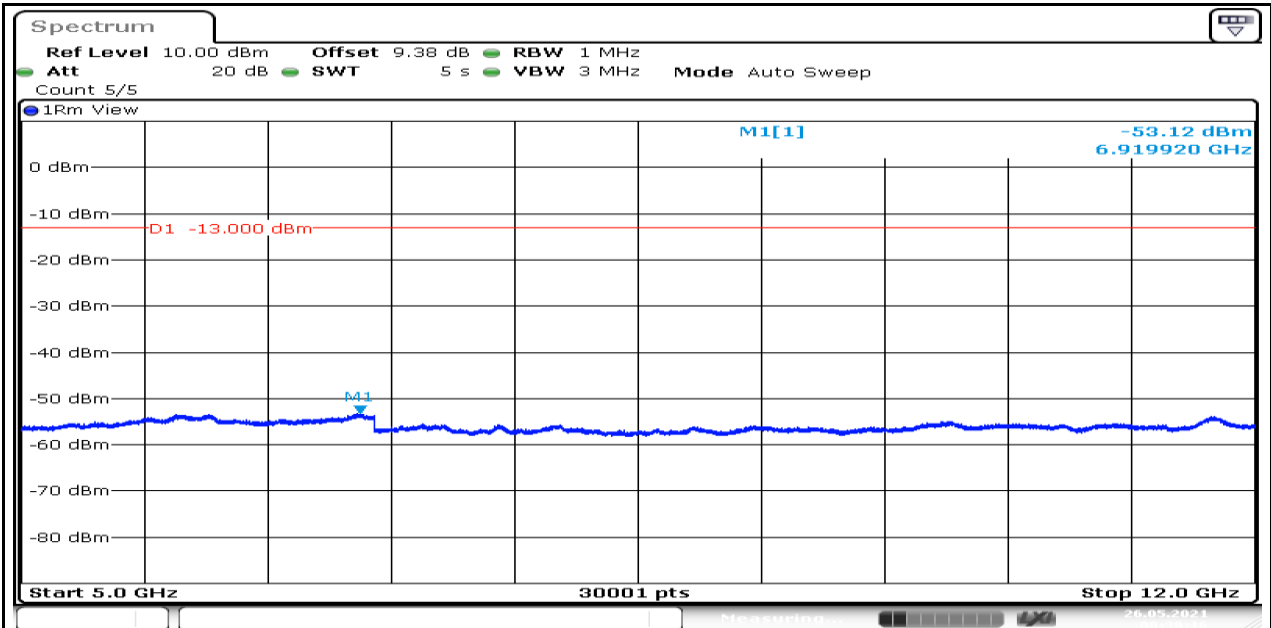


Band25-1.4MHz-16QAM-26365-1-0-Low-1000-5000--35.31-PASS

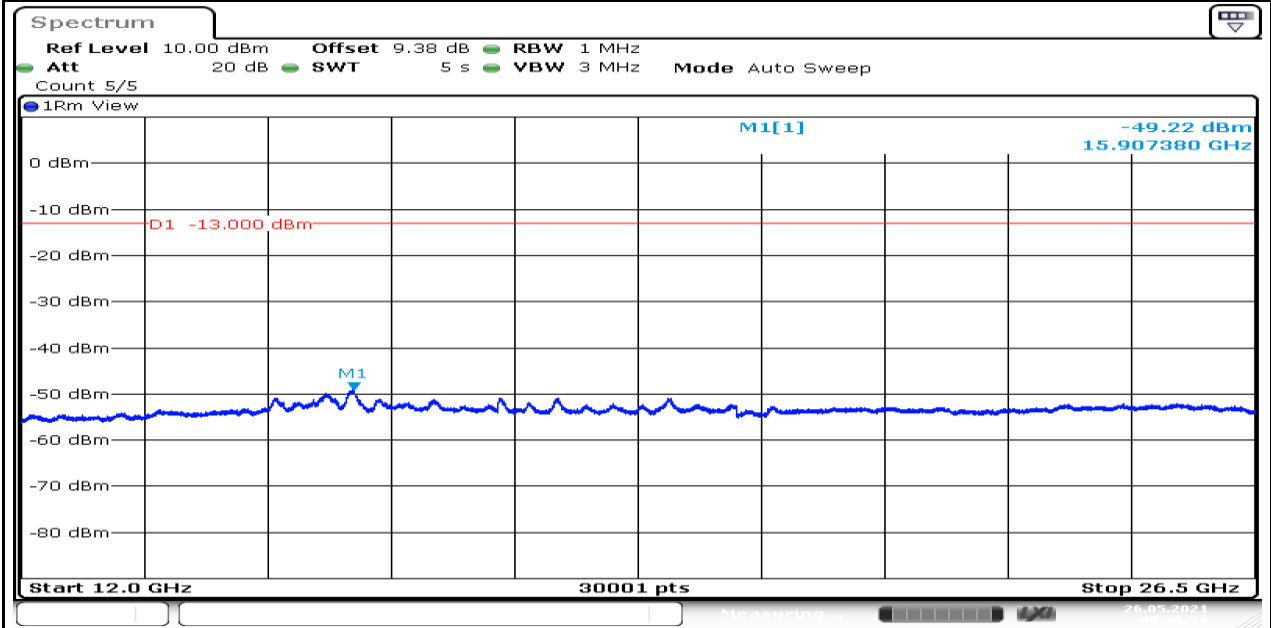


Band25-1.4MHz-16QAM-26365-1-0-Low-5000-12000--53.12-PASS

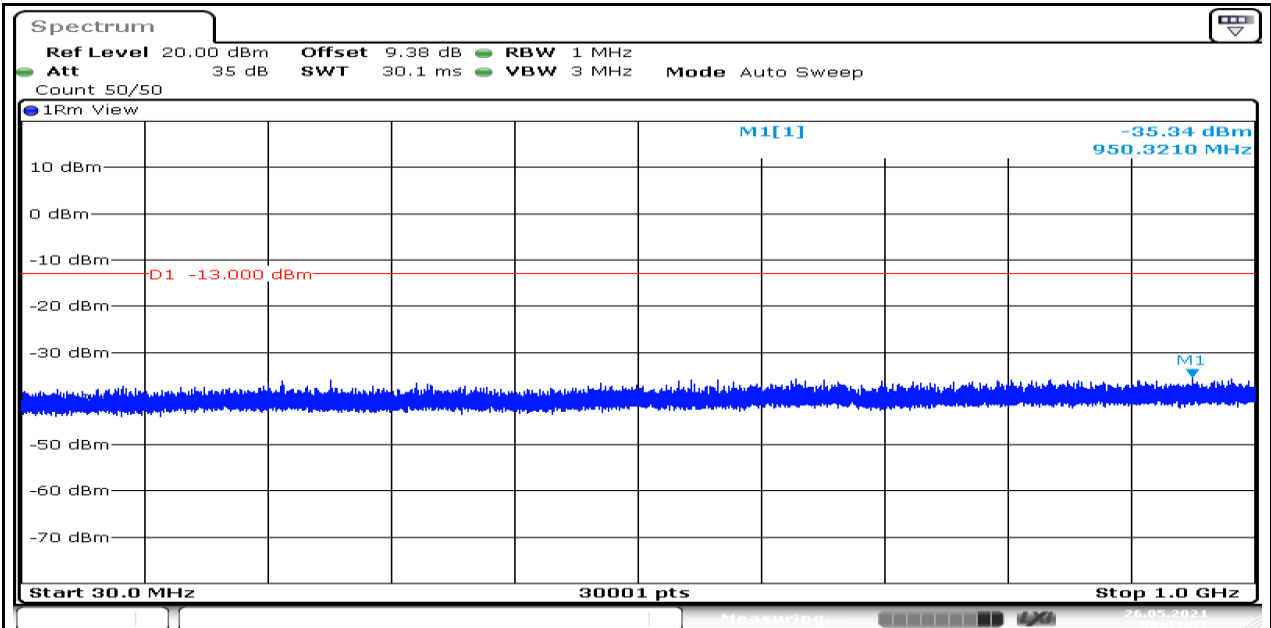




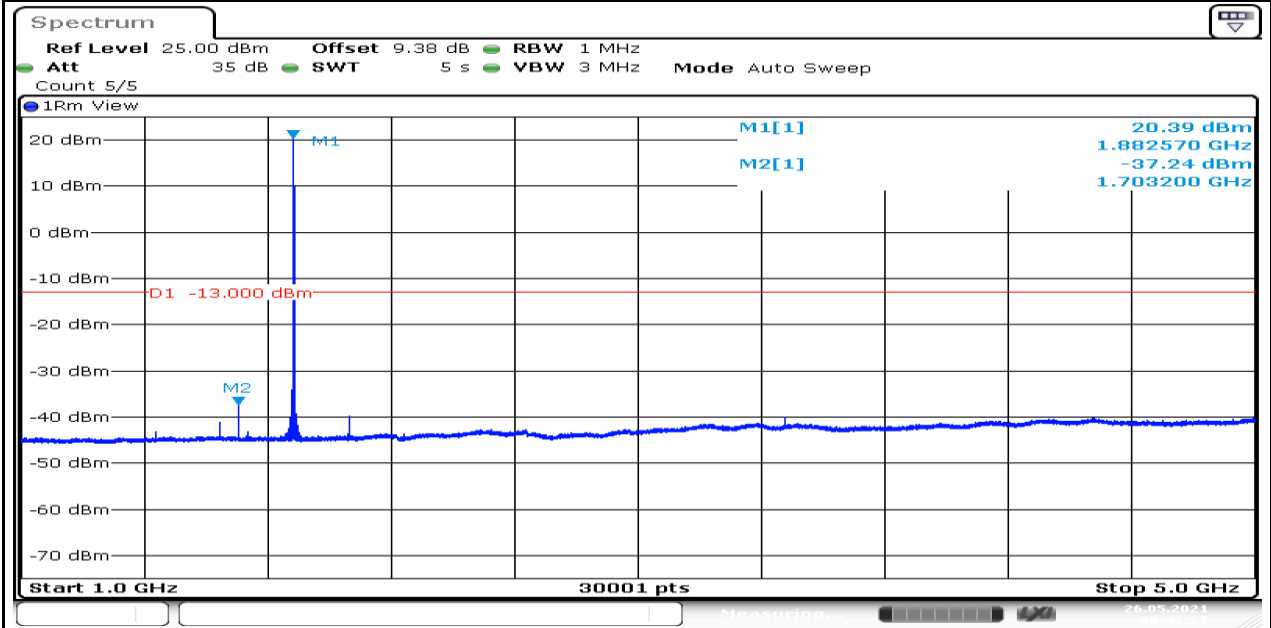
Band25-1.4MHz-16QAM-26365-1-0-Low-12000-26500--49.22-PASS



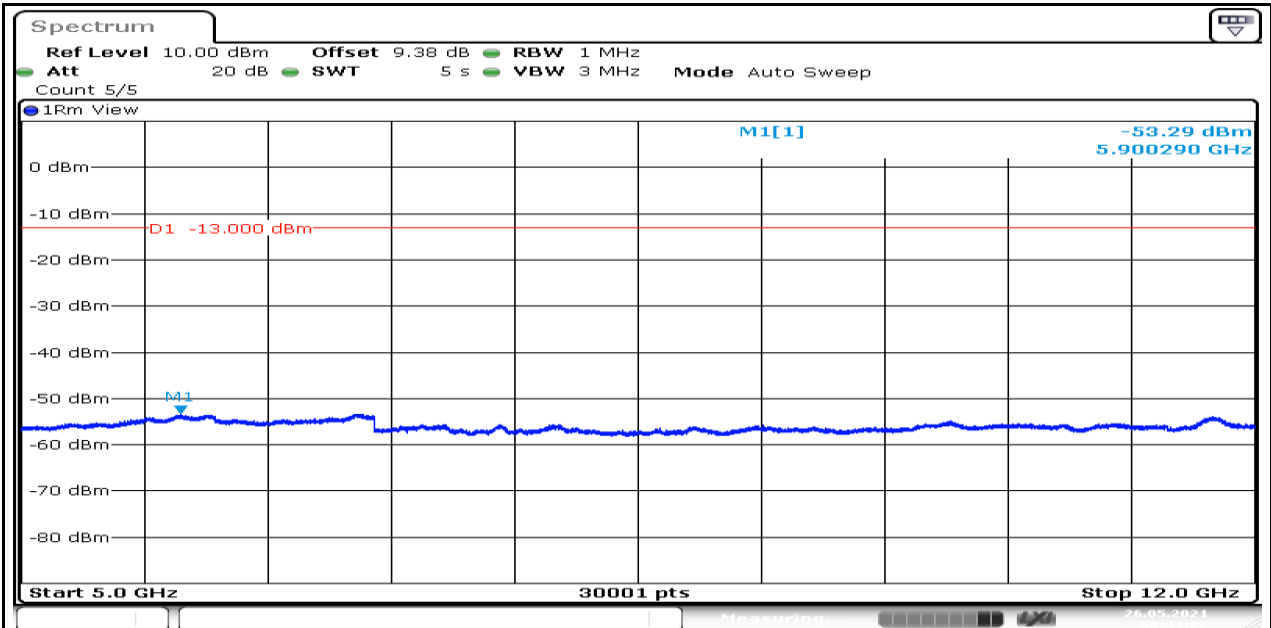
Band25-1.4MHz-16QAM-26365-6-0-Low-30-1000--35.34-PASS



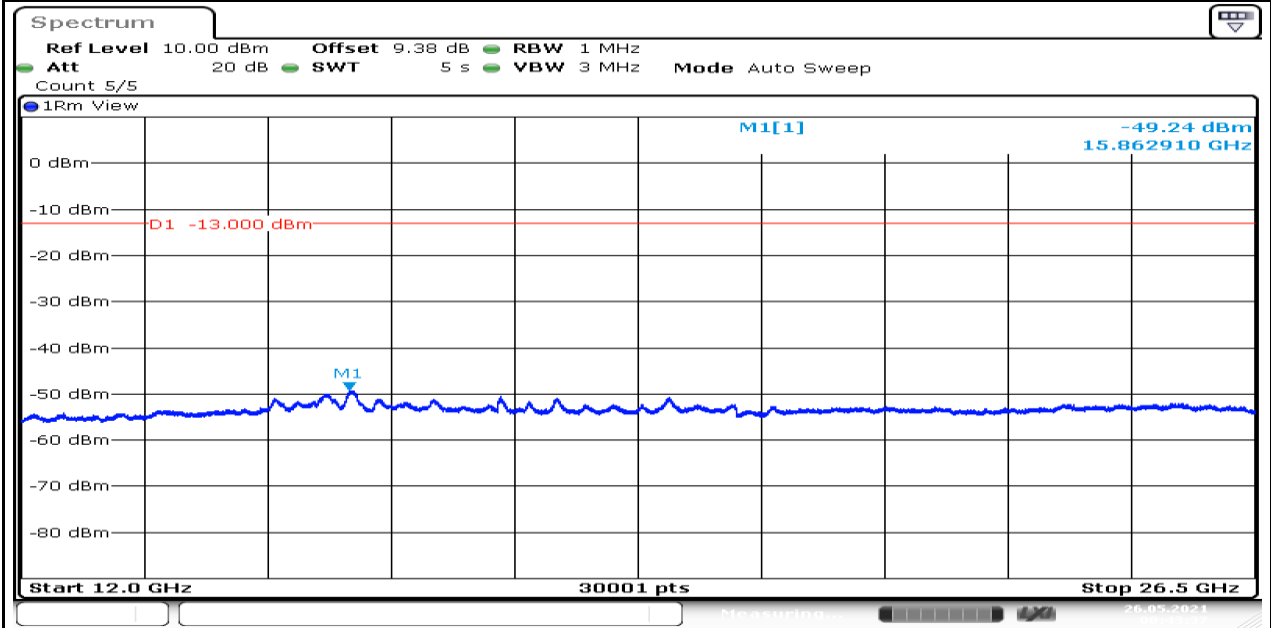
Band25-1.4MHz-16QAM-26365-6-0-Low-1000-5000--37.24-PASS



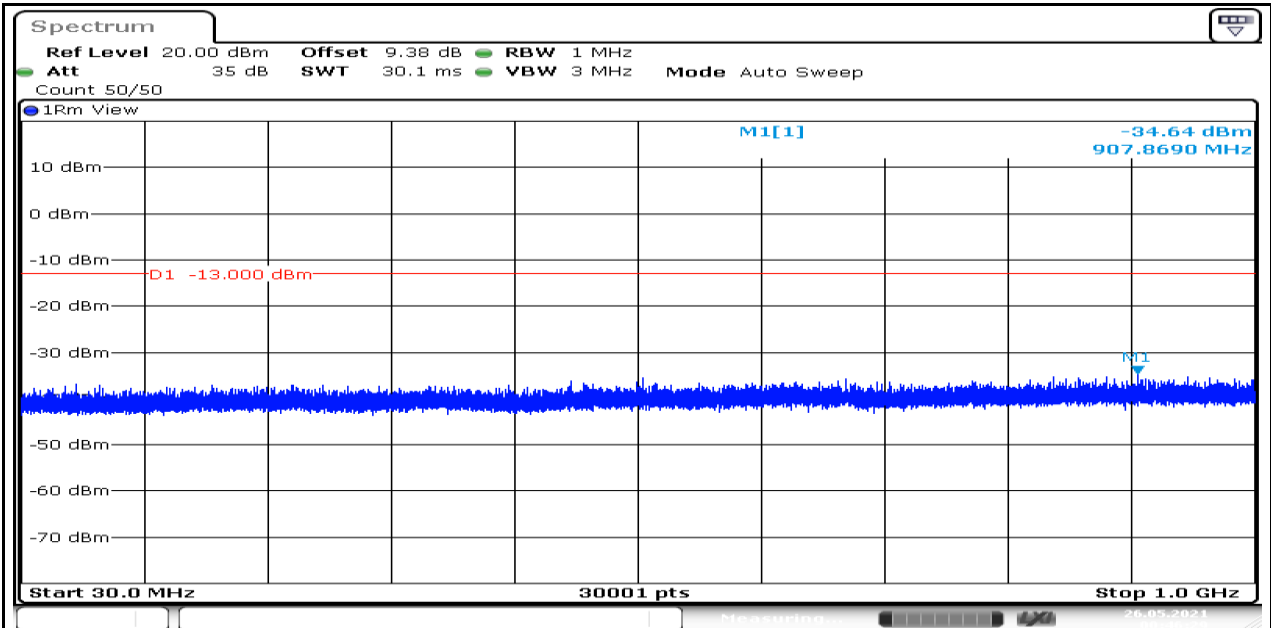
Band25-1.4MHz-16QAM-26365-6-0-Low-5000-12000--53.29-PASS



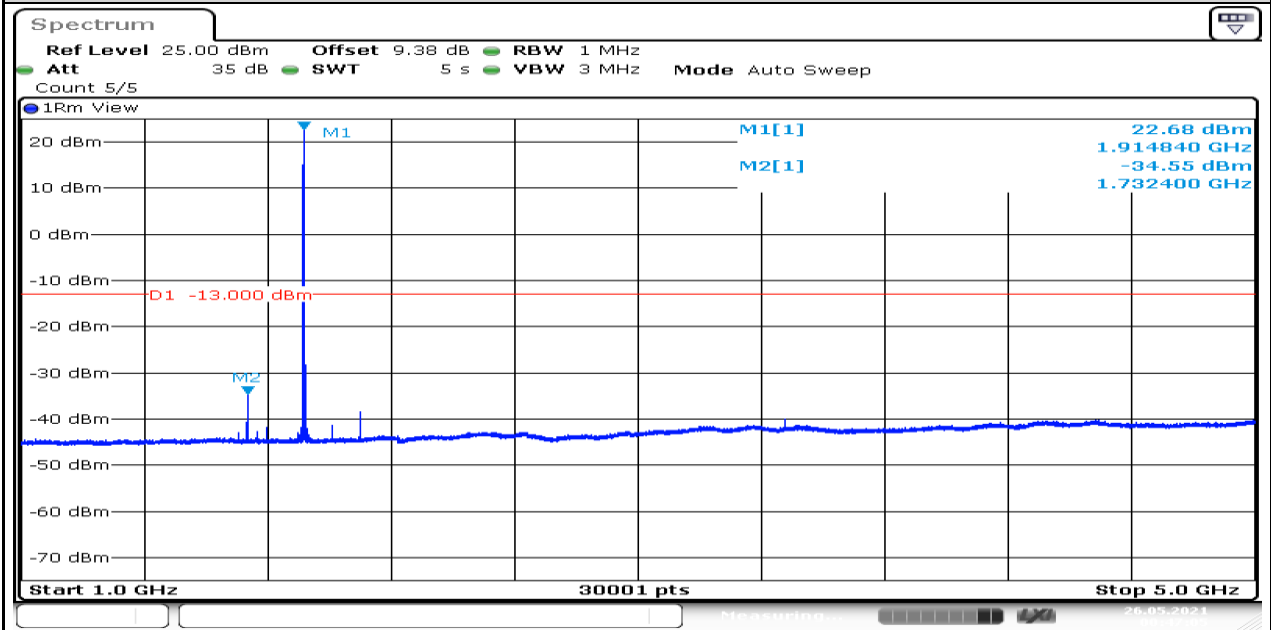
Band25-1.4MHz-16QAM-26365-6-0-Low-12000-26500--49.24-PASS



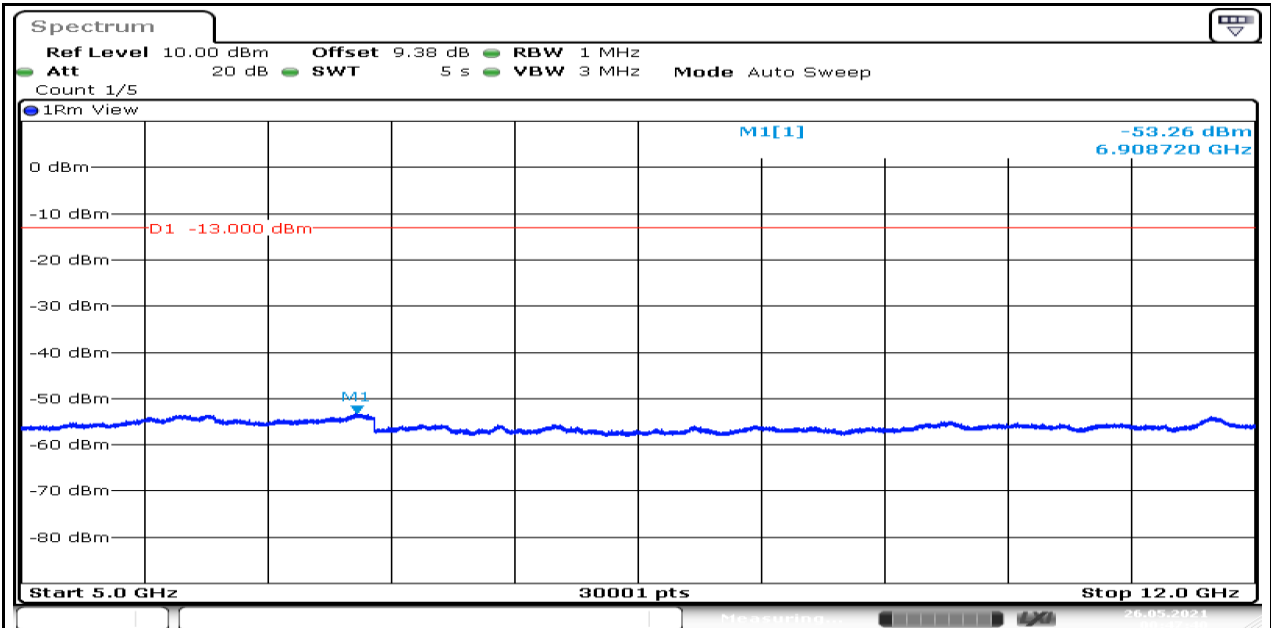
Band25-1.4MHz-16QAM-26683-1-5-Low-30-1000--34.64-PASS



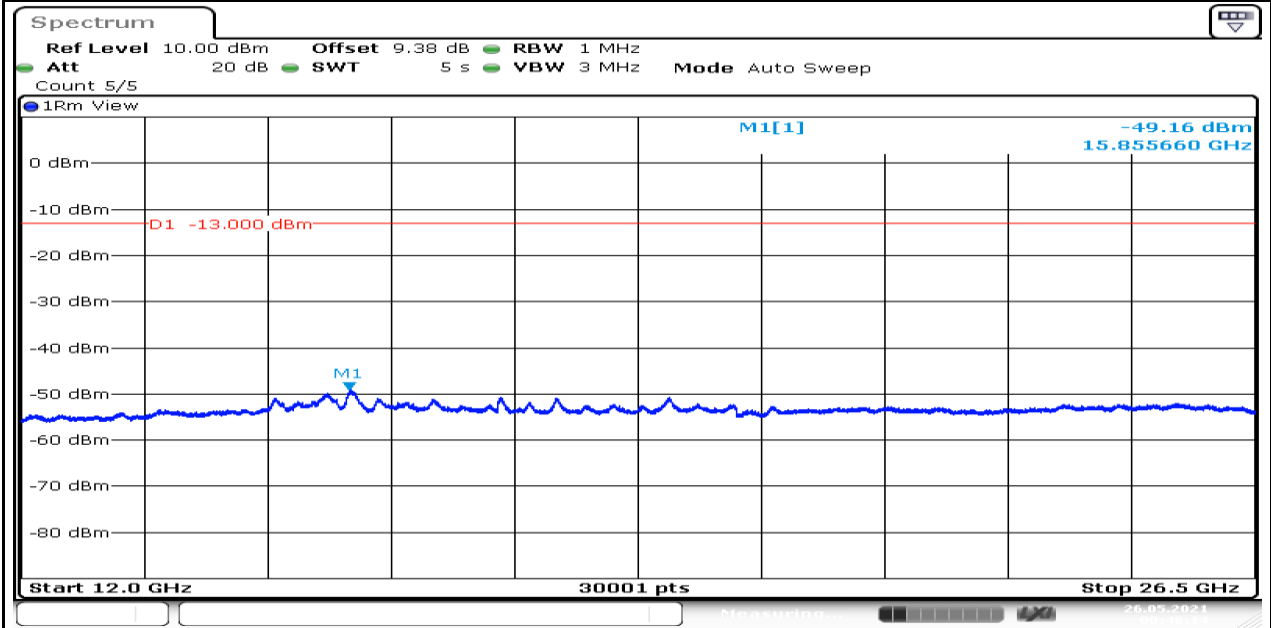
Band25-1.4MHz-16QAM-26683-1-5-Low-1000-5000--34.55-PASS



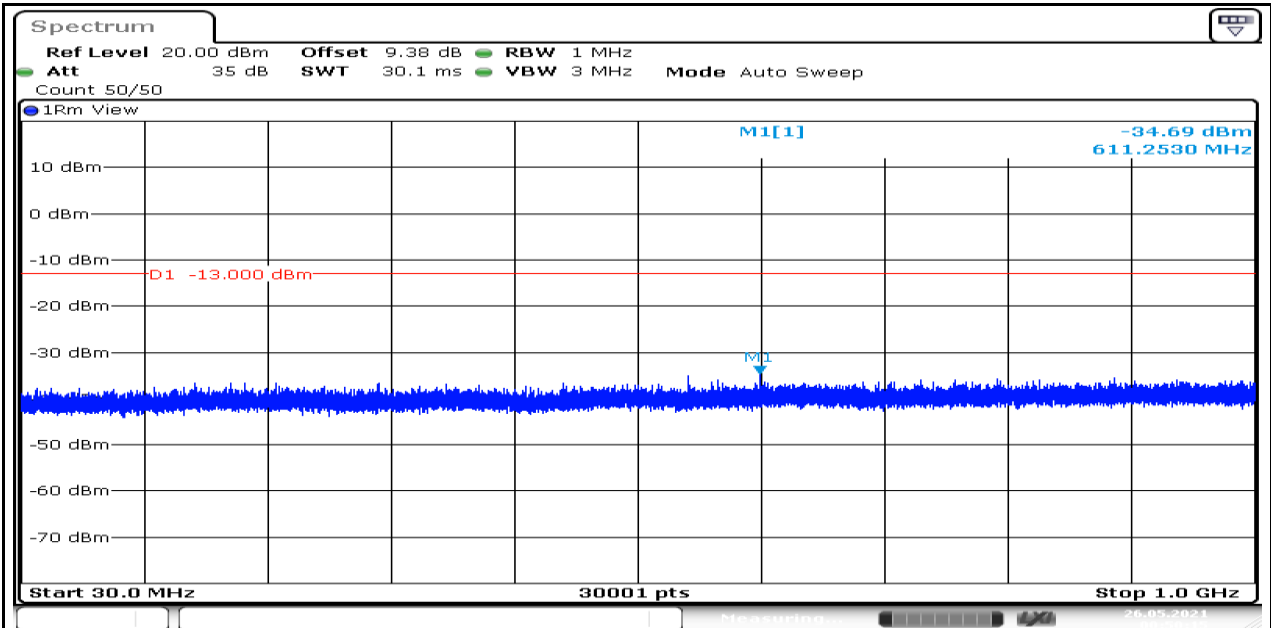
Band25-1.4MHz-16QAM-26683-1-5-Low-5000-12000--53.26-PASS



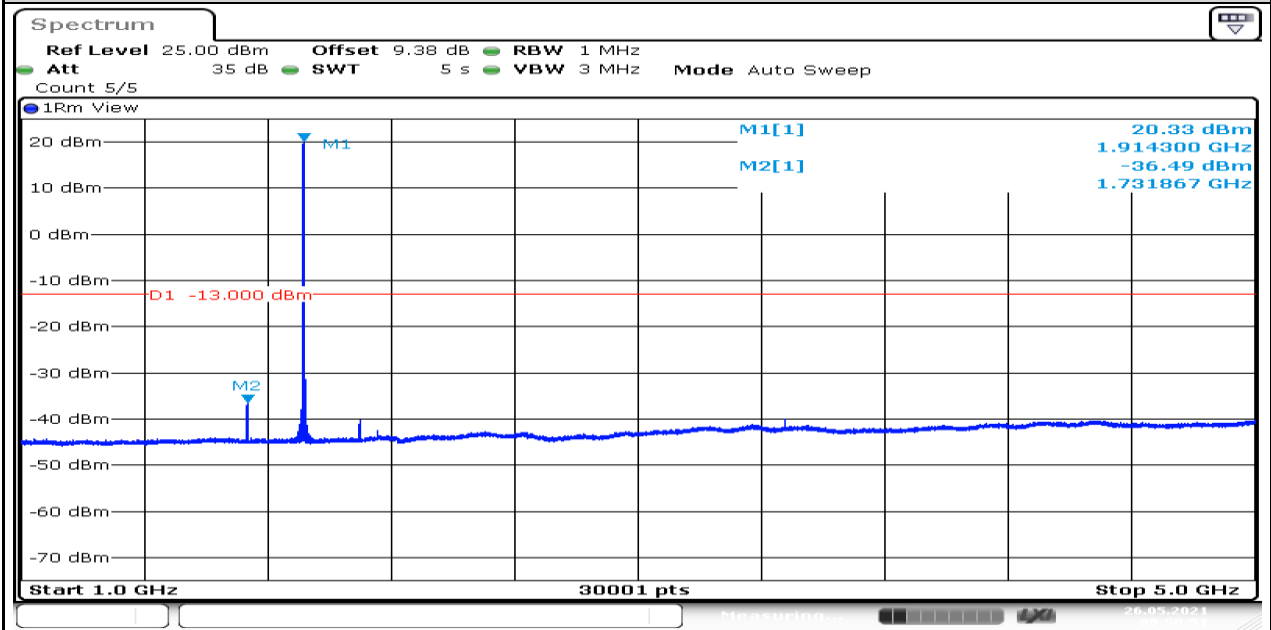
Band25-1.4MHz-16QAM-26683-1-5-Low-12000-26500--49.16-PASS



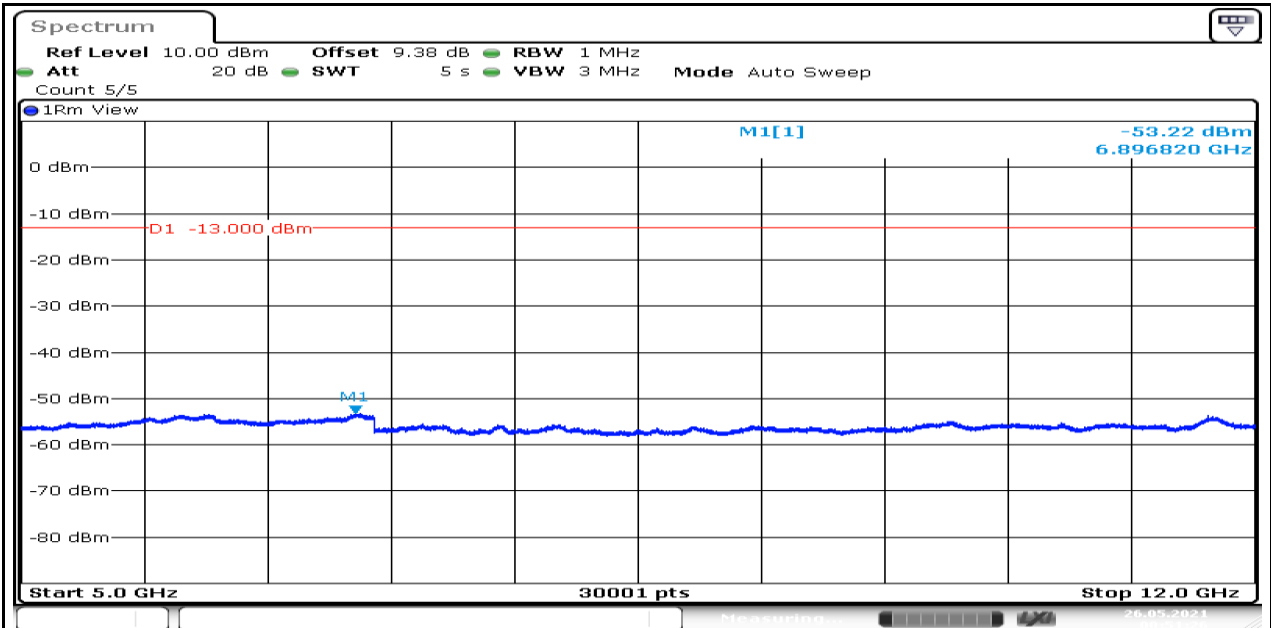
Band25-1.4MHz-16QAM-26683-6-0-Low-30-1000--34.69-PASS



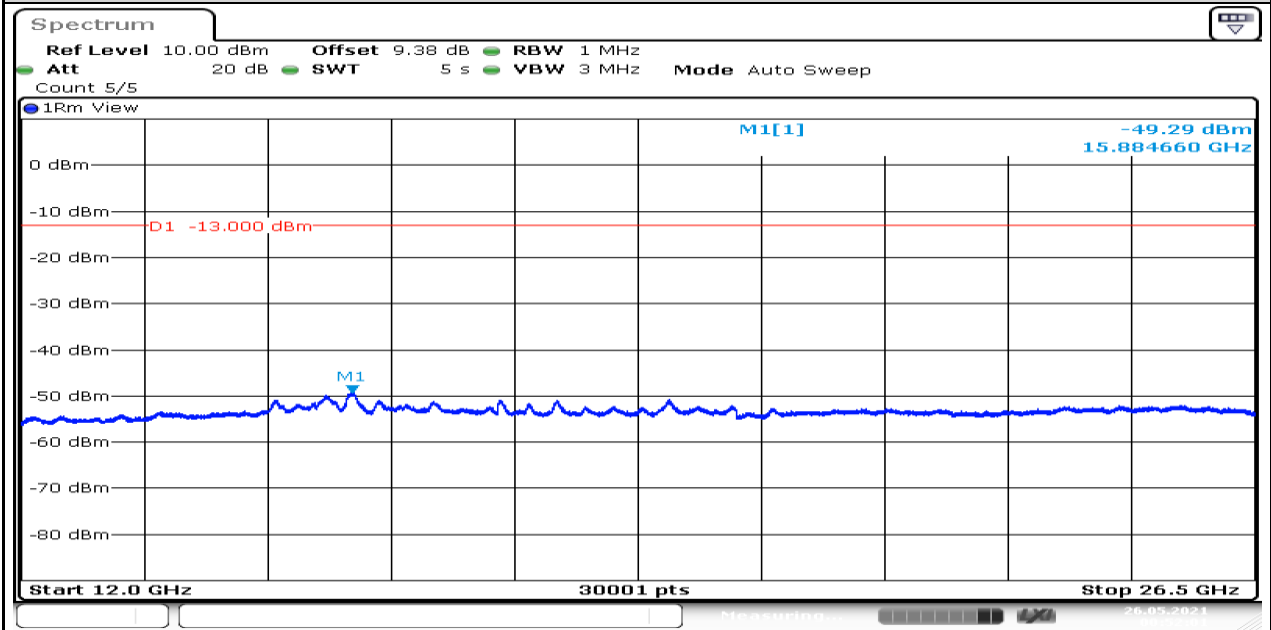
Band25-1.4MHz-16QAM-26683-6-0-Low-1000-5000--36.49-PASS



Band25-1.4MHz-16QAM-26683-6-0-Low-5000-12000--53.22-PASS



Band25-1.4MHz-16QAM-26683-6-0-Low-12000-26500--49.29-PASS



## APPENDIX F.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
Band25	1.4MHz	26365	QPSK	1	0	Low	HV	NT	-15.13	-0.008037	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	LV	NT	-13.98	-0.007426	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	NT	-18.01	-0.009567	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	HV	NT	-16.28	-0.008648	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	LV	NT	-17.18	-0.009126	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	NT	-15.31	-0.008133	±2.5	PASS

Temperature												
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	85	-18.63	-0.009896	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	-30	-15.52	-0.008244	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	-20	-18.67	-0.009918	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	-10	-15.31	-0.008133	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	0	-15.41	-0.008186	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	10	-16.29	-0.008653	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	20	-17.94	-0.009530	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	30	-14.91	-0.007920	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	40	-17.52	-0.009307	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	50	-14.42	-0.007660	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	60	-15.28	-0.008117	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	70	-15.84	-0.008414	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	-40	-15.84	-0.008414	±2.5	PASS
Band25	1.4MHz	26365	QPSK	1	0	Low	NV	80	-17.40	-0.009243	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	85	-14.61	-0.007761	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	-30	-13.92	-0.007394	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	-20	-15.78	-0.008382	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	-10	-14.99	-0.007963	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	0	-14.73	-0.007825	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	10	-15.88	-0.008436	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	20	-13.63	-0.007240	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	30	-17.11	-0.009089	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	40	-13.38	-0.007108	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	50	-13.25	-0.007039	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	60	-15.31	-0.008133	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	70	-15.36	-0.008159	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	80	-16.62	-0.008829	±2.5	PASS
Band25	1.4MHz	26365	16QAM	1	0	Low	NV	-40	-17.55	-0.009323	±2.5	PASS