

## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	ERP (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.16	17.52	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.32	17.68	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.54	17.9	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.30	17.66	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.28	17.64	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.28	17.64	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.34	16.7	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.34	17.7	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.42	17.78	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.66	18.02	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.52	17.88	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.52	17.88	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.44	17.8	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.62	16.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.10	17.46	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.05	17.41	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.05	17.41	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.16	17.52	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.24	17.6	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.21	17.57	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.39	16.75	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.07	16.43	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.57	16.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.30	16.66	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.16	16.52	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.15	16.51	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.65	17.01	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.99	15.35	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.27	16.63	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.29	16.65	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.33	16.69	PASS

Band12	1.4MHz	16QAM	23095	3RB#0	22.30	16.66	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.29	16.65	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.62	16.98	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.22	15.58	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.02	16.38	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.10	16.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.25	16.61	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.97	16.33	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.24	16.6	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.35	16.71	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.07	15.43	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.24	17.6	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.78	18.14	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.52	17.88	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.33	16.69	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.63	16.99	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.39	16.75	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.43	16.79	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.40	17.76	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.20	17.56	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.44	17.8	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.57	16.93	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.43	16.79	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.46	16.82	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.60	16.96	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.64	18	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.18	17.54	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.44	17.8	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.47	16.83	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.44	16.8	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.29	16.65	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.58	16.94	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.39	16.75	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.70	17.06	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.05	17.41	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.28	15.64	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.73	16.09	PASS

Band12	3MHz	16QAM	23025	8RB#7	21.29	15.65	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.48	15.84	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.37	16.73	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.22	16.58	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.11	16.47	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.38	15.74	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.29	15.65	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.31	15.67	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.34	15.7	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.05	17.41	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.88	16.24	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.86	17.22	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.50	15.86	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.30	15.66	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.31	15.67	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.62	15.98	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.23	17.59	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.64	18	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.41	17.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.45	16.81	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.43	16.79	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.41	16.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.53	16.89	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.52	17.88	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.47	17.83	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.56	17.92	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.36	16.72	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.38	16.74	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.44	16.8	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.50	16.86	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.59	17.95	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.70	18.06	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.31	17.67	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.45	16.81	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.45	16.81	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.40	16.76	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.42	16.78	PASS

Band12	5MHz	16QAM	23035	1RB#0	22.38	16.74	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.62	16.98	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.48	16.84	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.48	15.84	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.38	15.74	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.49	15.85	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.49	15.85	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.61	16.97	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.17	16.53	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.28	16.64	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.10	15.46	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.10	15.46	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.36	15.72	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.46	15.82	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.31	16.67	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.37	16.73	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.95	16.31	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.45	15.81	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.55	15.91	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.38	15.74	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.56	15.92	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.27	17.63	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.55	17.91	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.40	17.76	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.50	16.86	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.39	16.75	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.61	16.97	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.61	16.97	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.56	17.92	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.41	17.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.42	17.78	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.44	16.8	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.46	16.82	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.46	16.82	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.44	16.8	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.22	17.58	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.55	17.91	PASS

Band12	10MHz	QPSK	23130	1RB#49	23.07	17.43	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.61	16.97	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.68	17.04	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.57	16.93	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.50	16.86	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.86	17.22	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.91	17.27	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.54	16.9	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.52	15.88	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.59	15.95	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.72	16.08	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.48	15.84	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.71	17.07	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.16	17.52	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.08	17.44	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.49	15.85	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.50	15.86	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.69	16.05	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.58	15.94	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.42	16.78	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.92	17.28	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.11	16.47	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.67	16.03	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.66	16.02	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.37	15.73	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.50	15.86	PASS

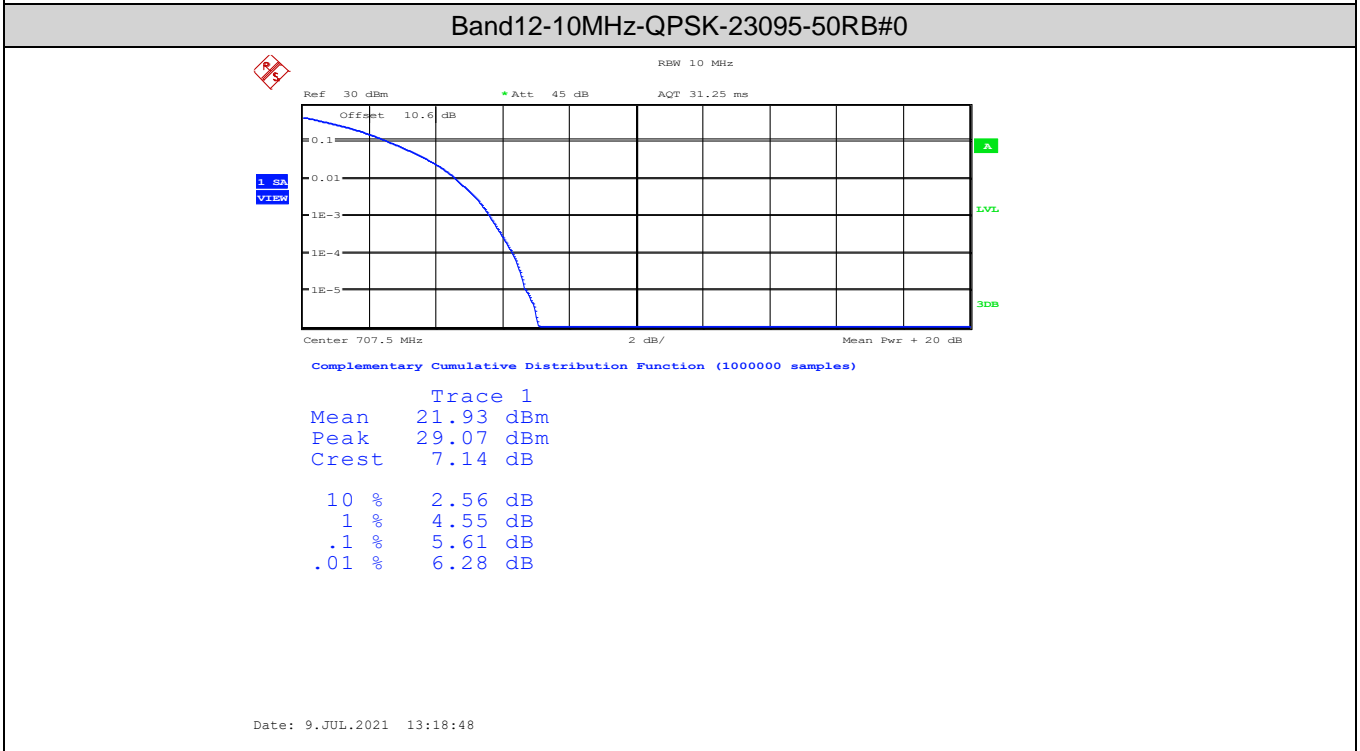
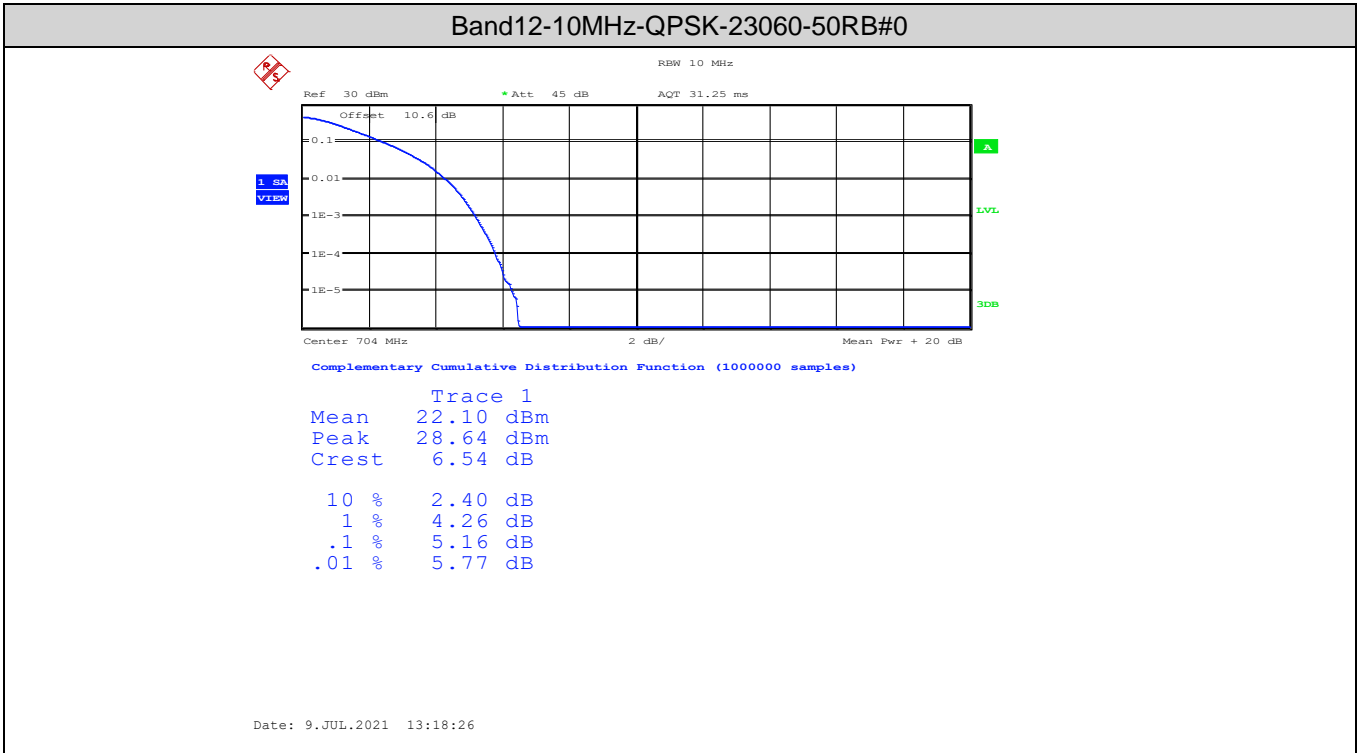
Remark:ERP (dBm) = Conducted power (dBm) + Antenna Gain (dBi)-2.15(dB).

## Appendix B: Peak-to-Average Ratio(CCDF)

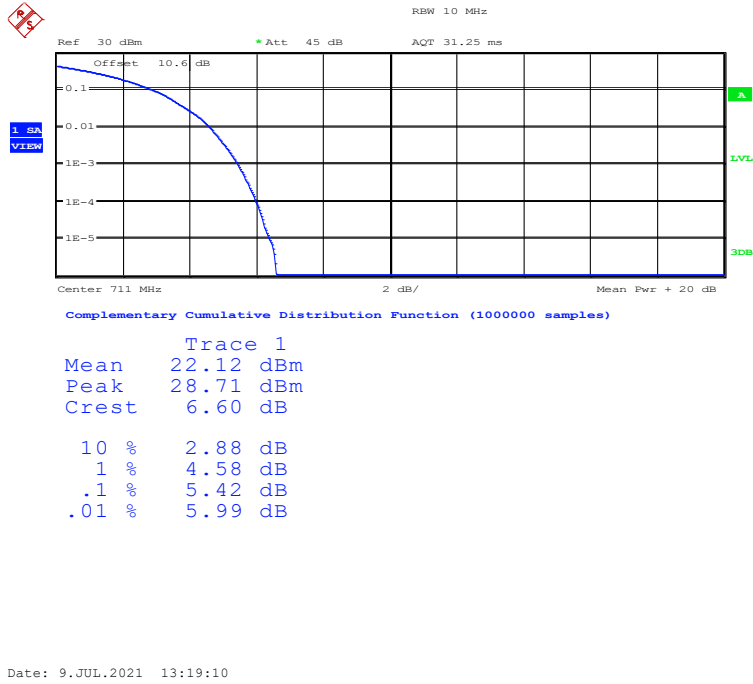
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.16	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.61	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.42	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.12	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.38	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.44	13	PASS

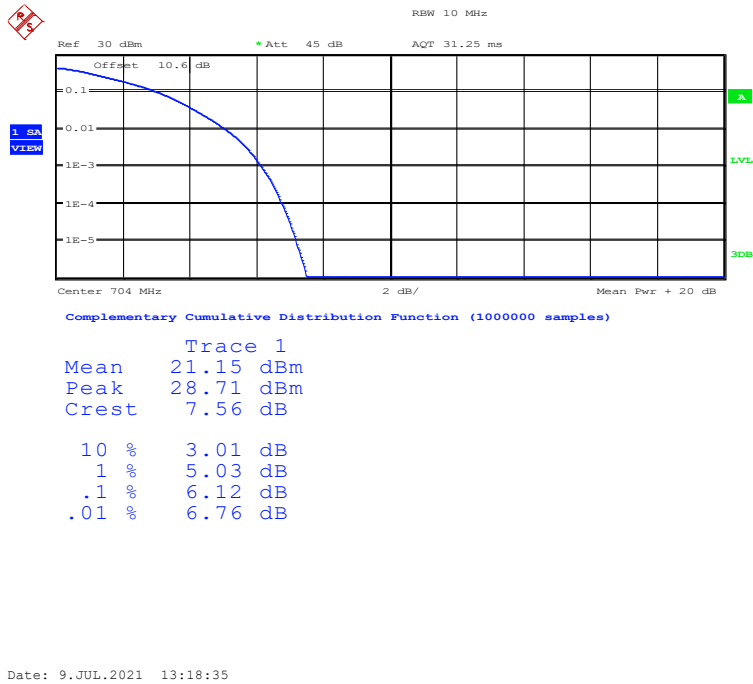
Test Graphs



## Band12-10MHz-QPSK-23130-50RB#0

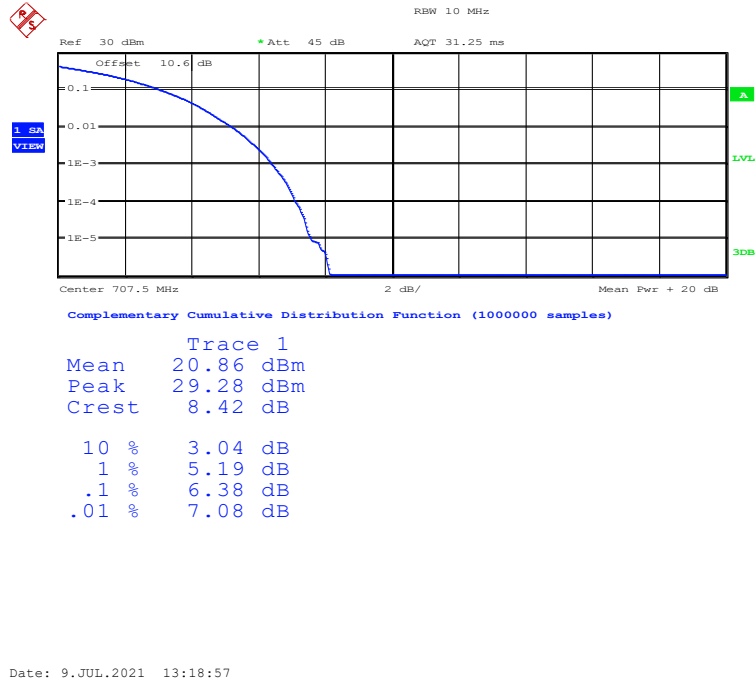


## Band12-10MHz-16QAM-23060-50RB#0

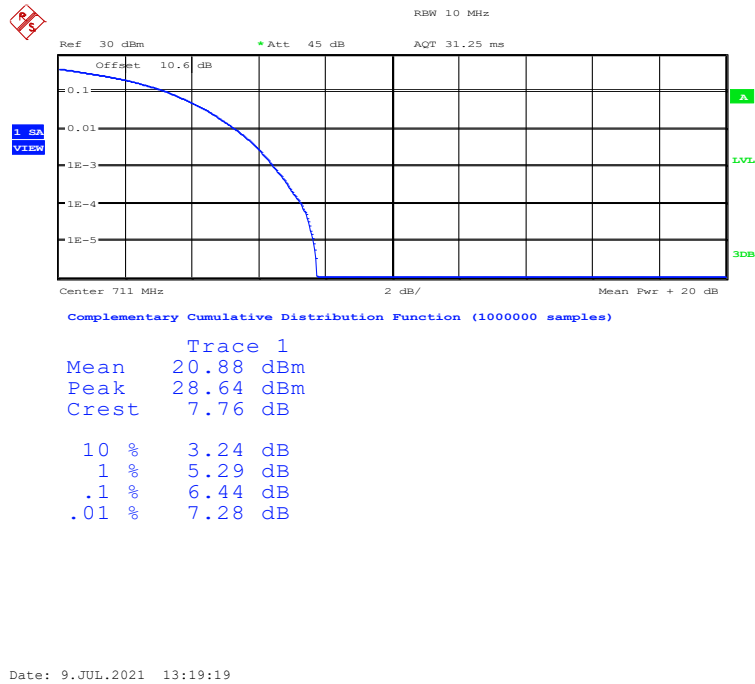




## Band12-10MHz-16QAM-23095-50RB#0



## Band12-10MHz-16QAM-23130-50RB#0

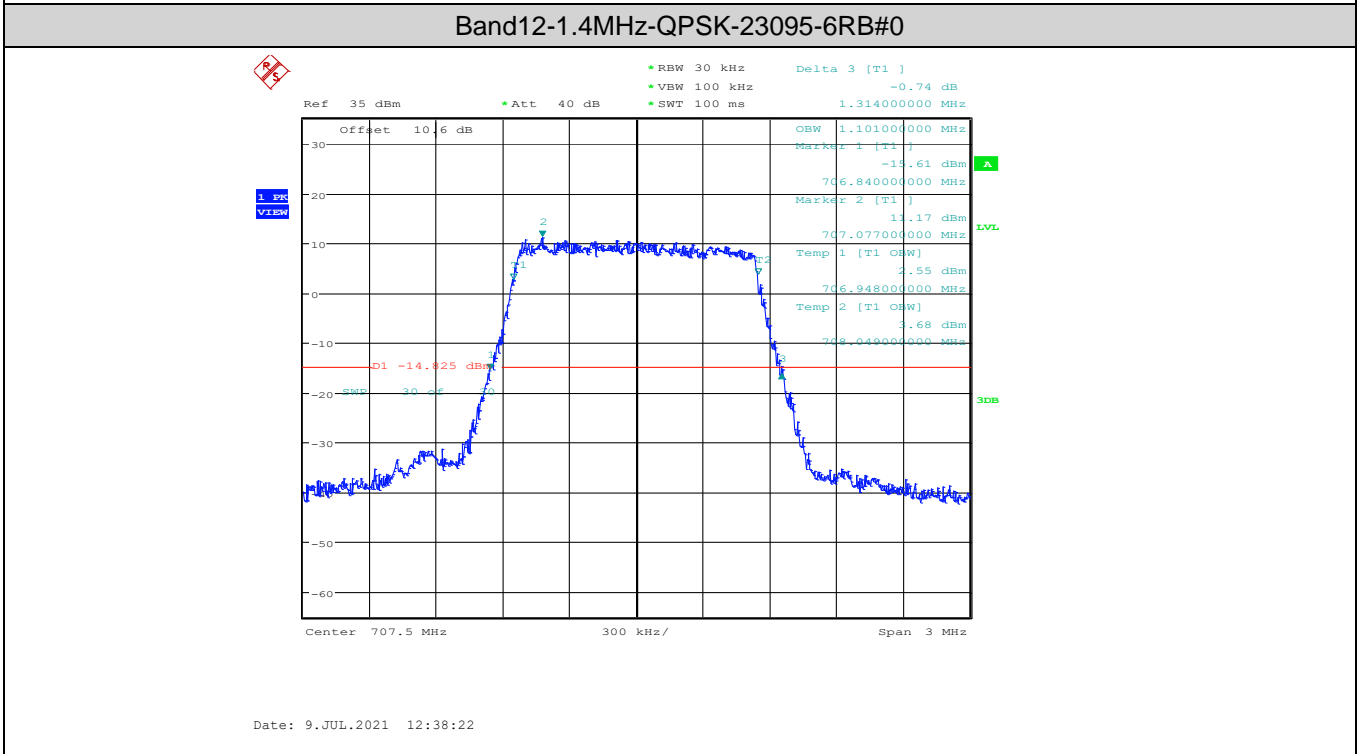
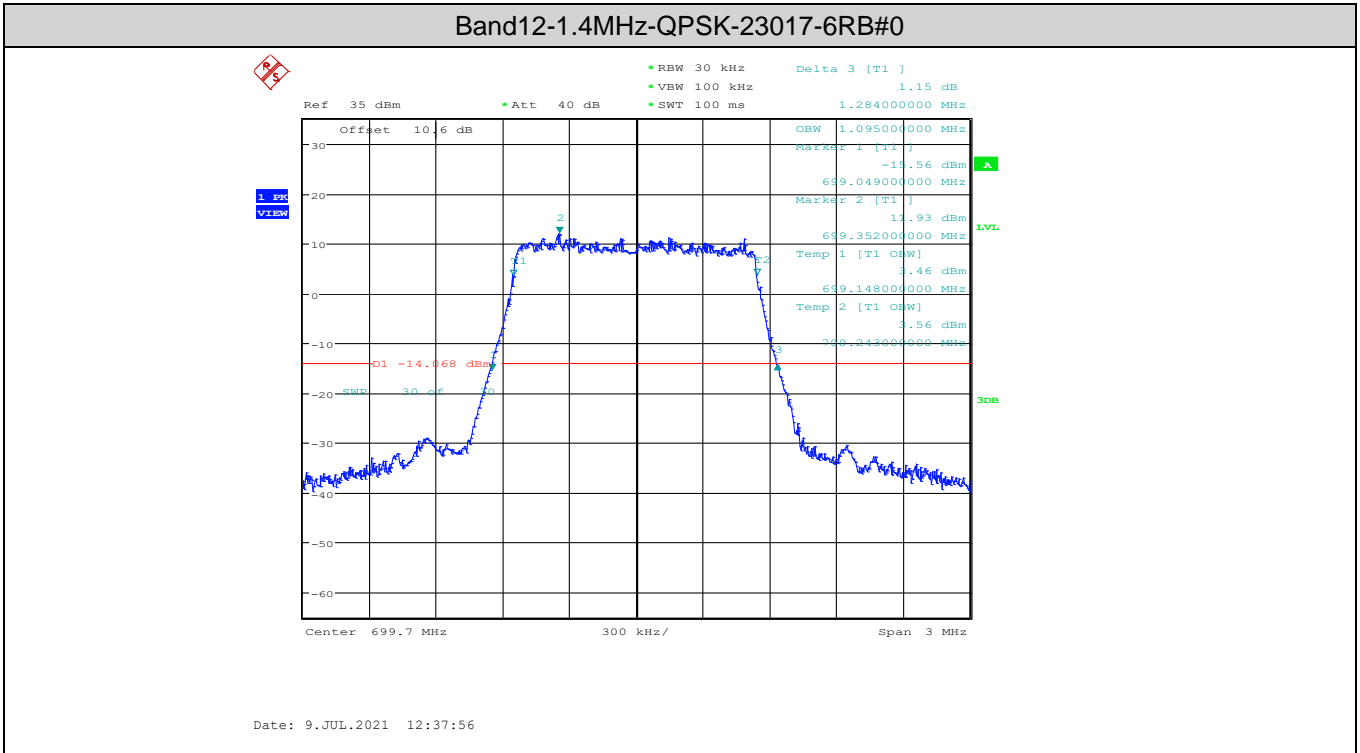


## Appendix C: 26dB Bandwidth and Occupied Bandwidth

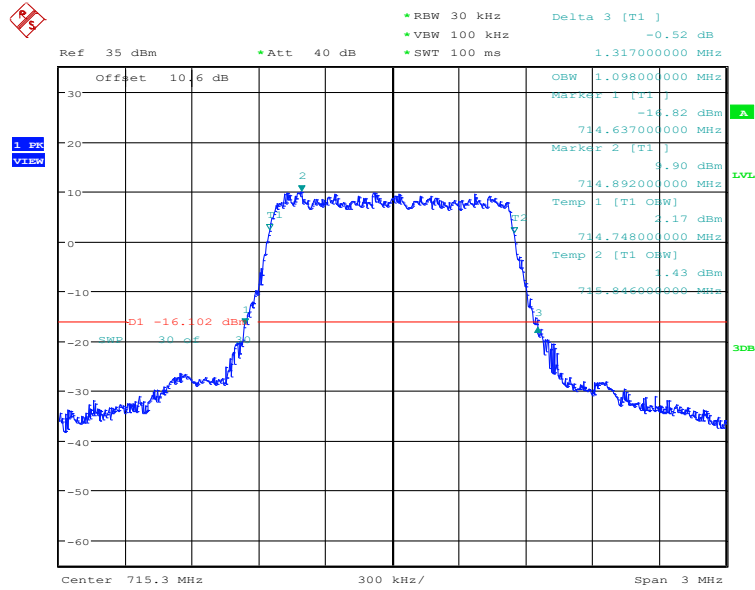
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.095	1.284	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.101	1.314	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.098	1.317	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.098	1.296	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.089	1.284	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.104	1.302	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.694	2.976	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7	2.976	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7	2.970	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.688	2.994	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.682	2.970	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.682	2.976	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.46	4.890	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.49	4.930	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.48	4.930	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.48	4.940	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5	4.960	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.46	4.840	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9	9.680	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.96	9.780	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.92	9.660	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.92	9.620	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.96	9.760	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.92	9.700	PASS

Test Graphs

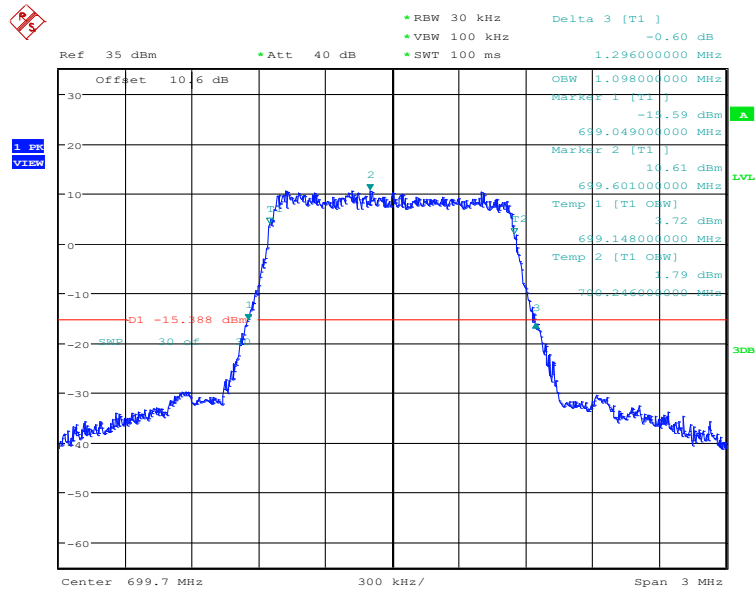


### Band12-1.4MHz-QPSK-23173-6RB#0

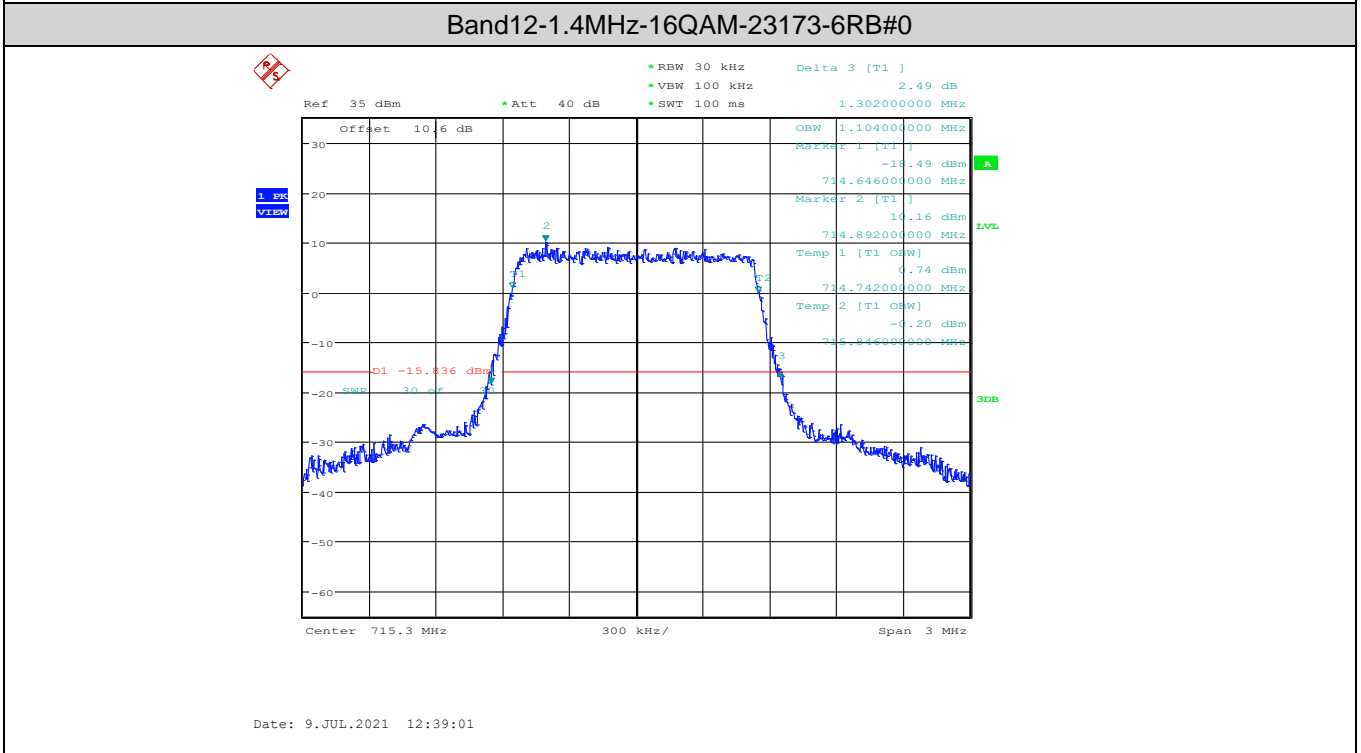
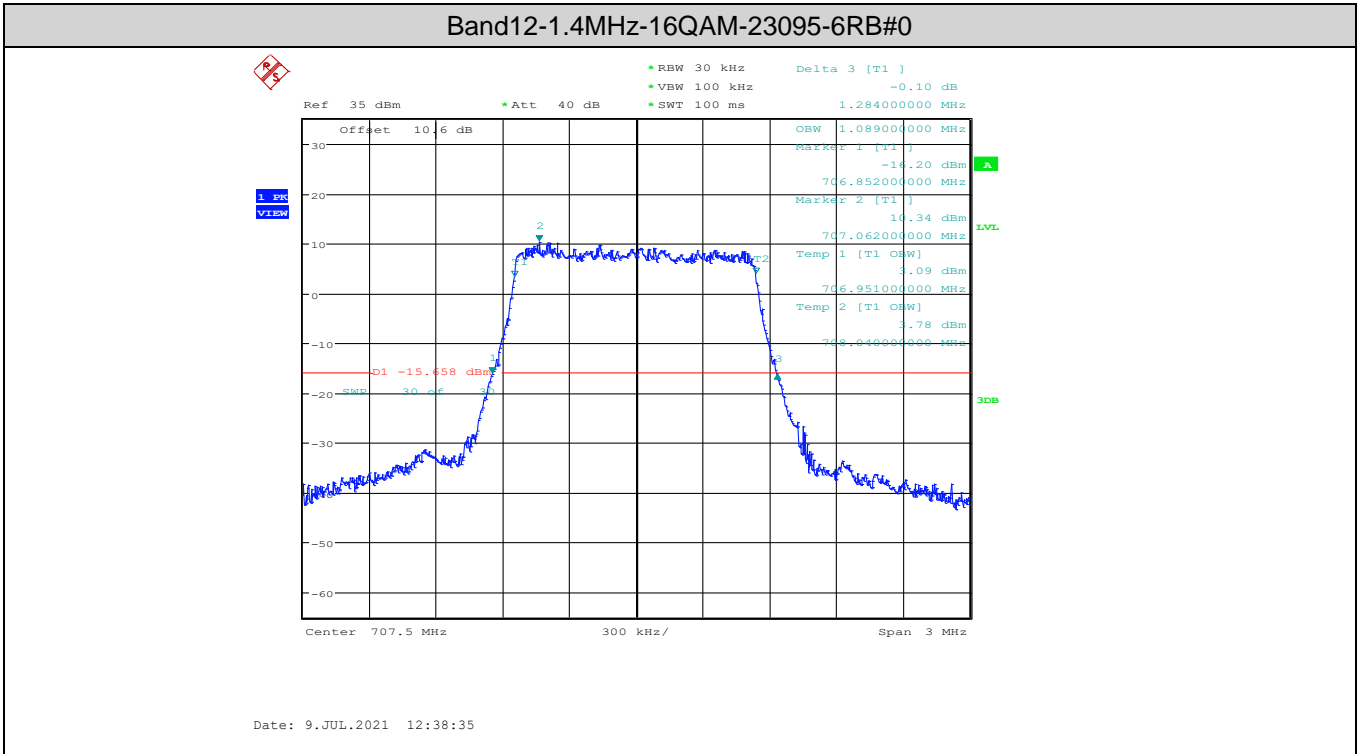


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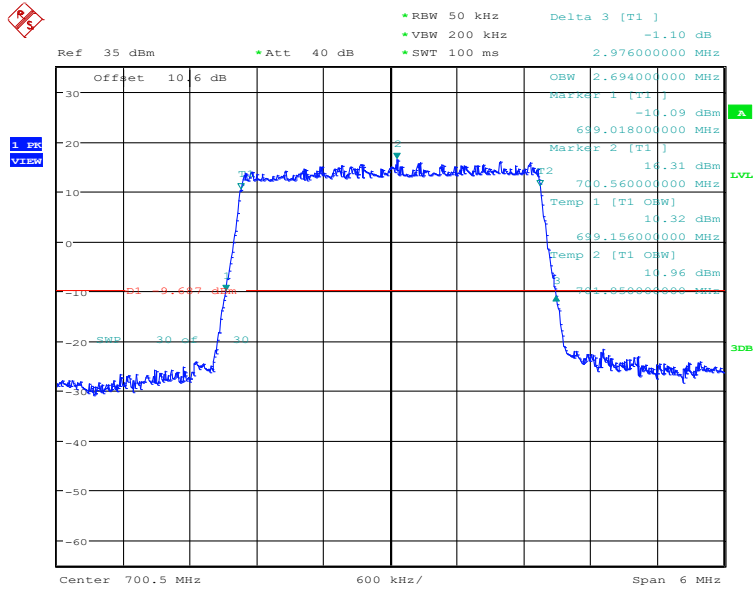
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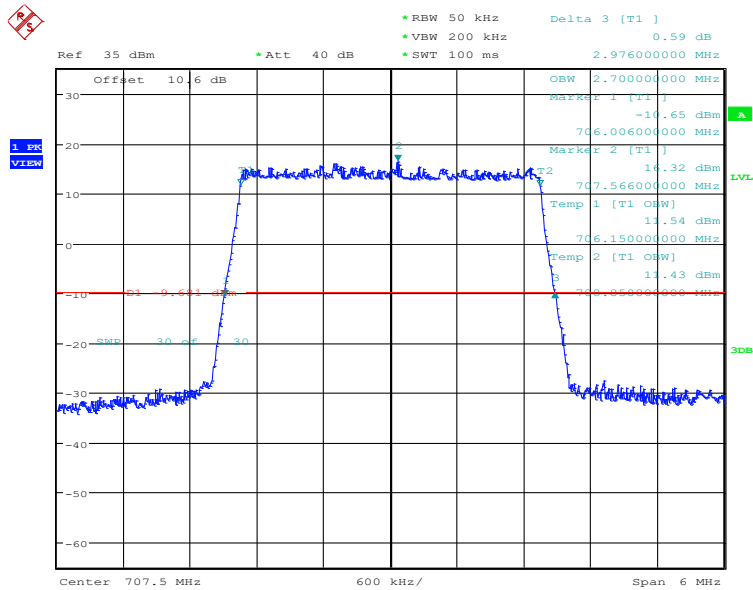


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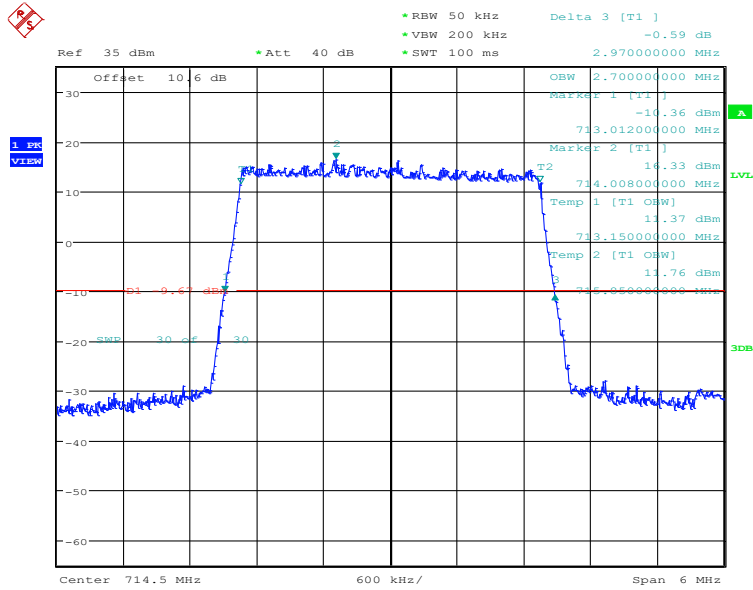
Date: 9.JUL.2021 12:41:45

### Band12-3MHz-QPSK-23095-15RB#0



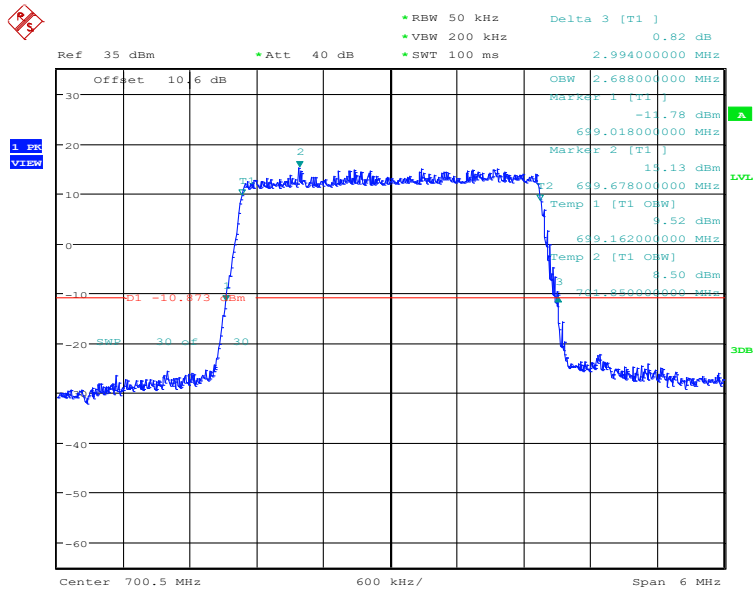
Date: 9.JUL.2021 12:42:20

### Band12-3MHz-QPSK-23165-15RB#0



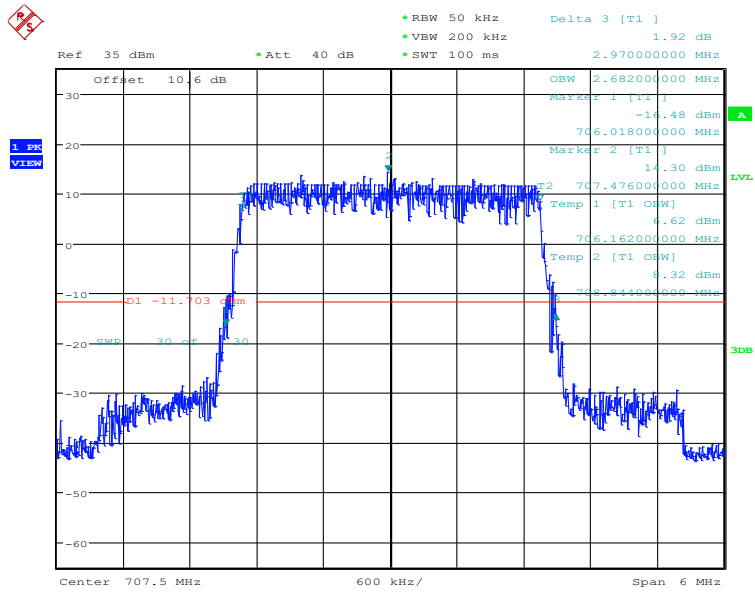
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### Band12-3MHz-16QAM-23025-15RB#0



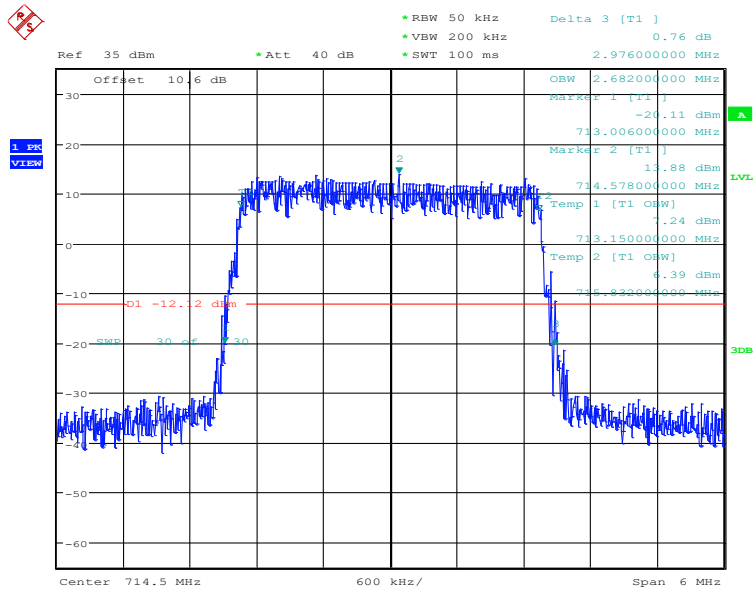
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Date: 9.JUL.2021 12:42:31

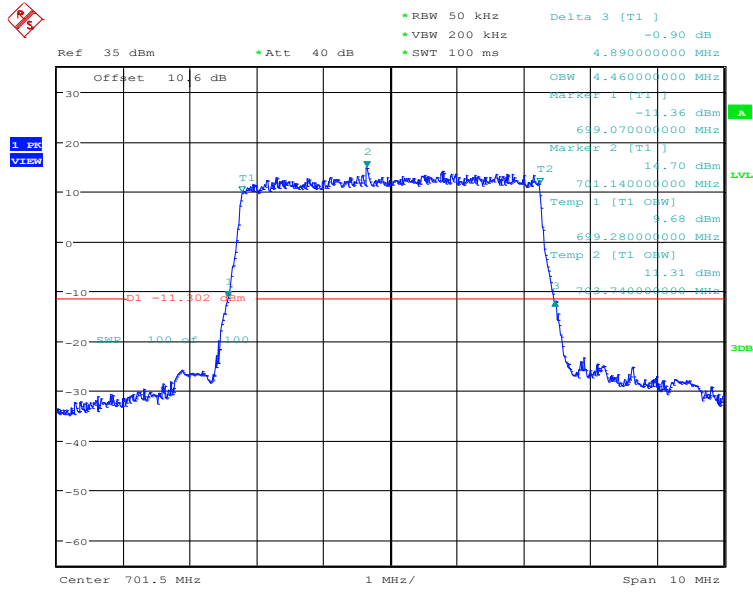
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Date: 9.JUL.2021 15:26:17

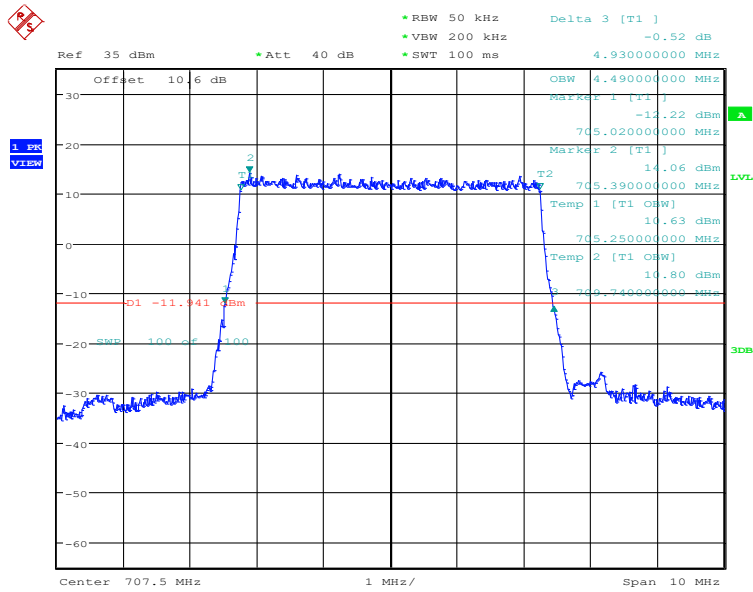


### Band12-5MHz-QPSK-23035-25RB#0



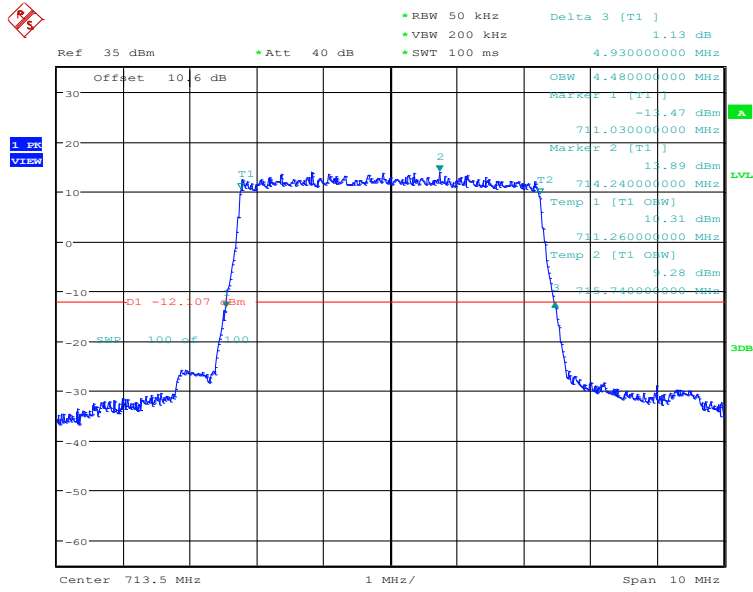
Date: 9.JUL.2021 12:43:30

### Band12-5MHz-QPSK-23095-25RB#0



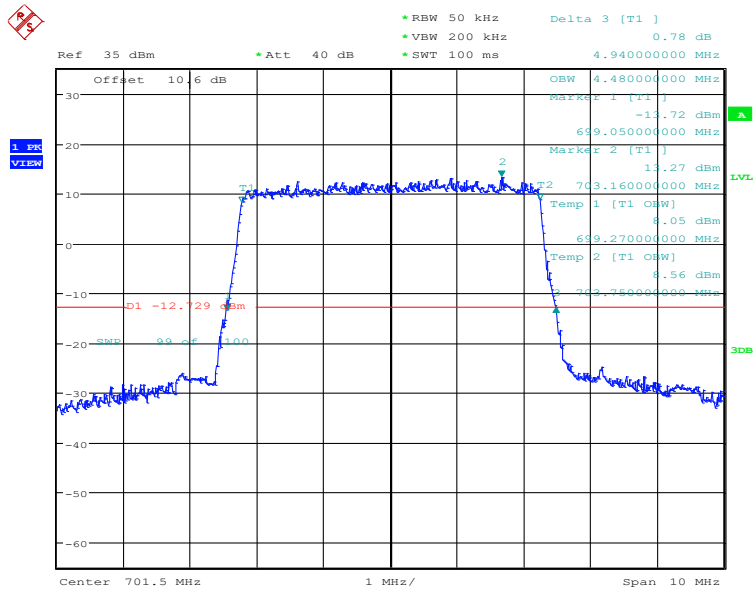
Date: 9.JUL.2021 12:44:10

### Band12-5MHz-QPSK-23155-25RB#0



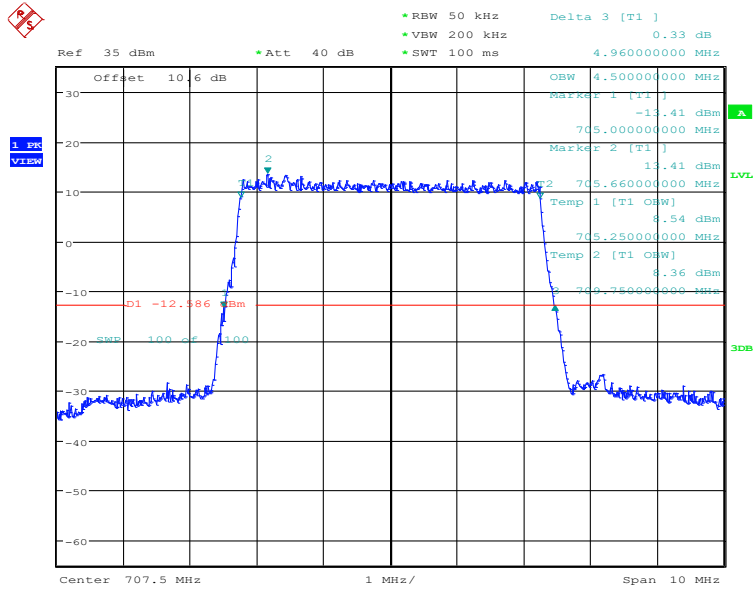
Date: 9.JUL.2021 12:44:50

### Band12-5MHz-16QAM-23035-25RB#0



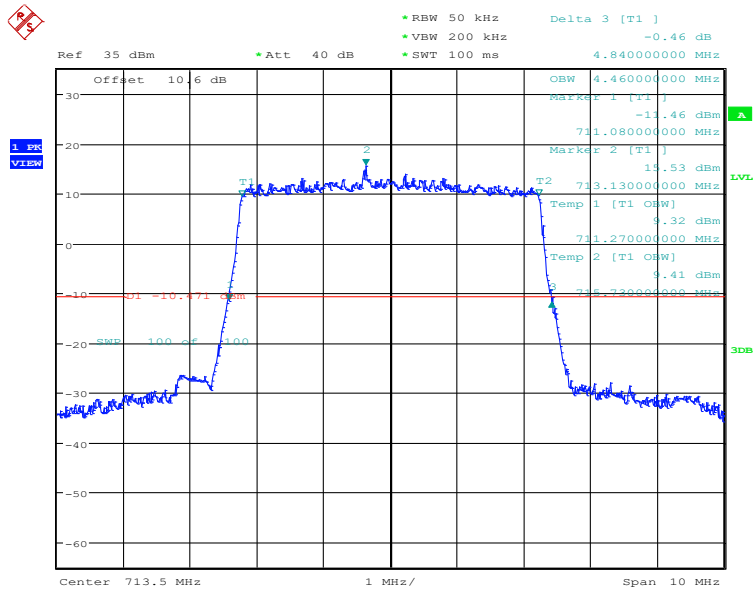
Date: 9.JUL.2021 12:43:48

### Band12-5MHz-16QAM-23095-25RB#0

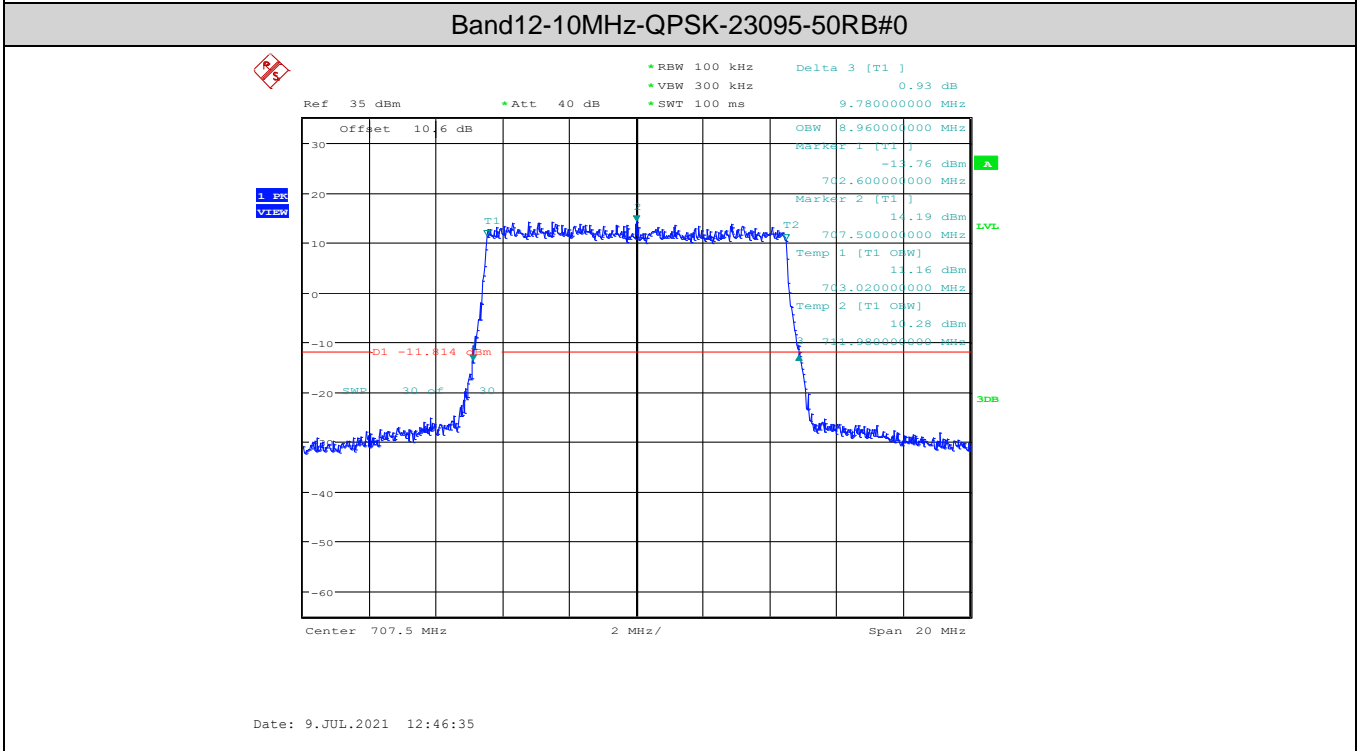
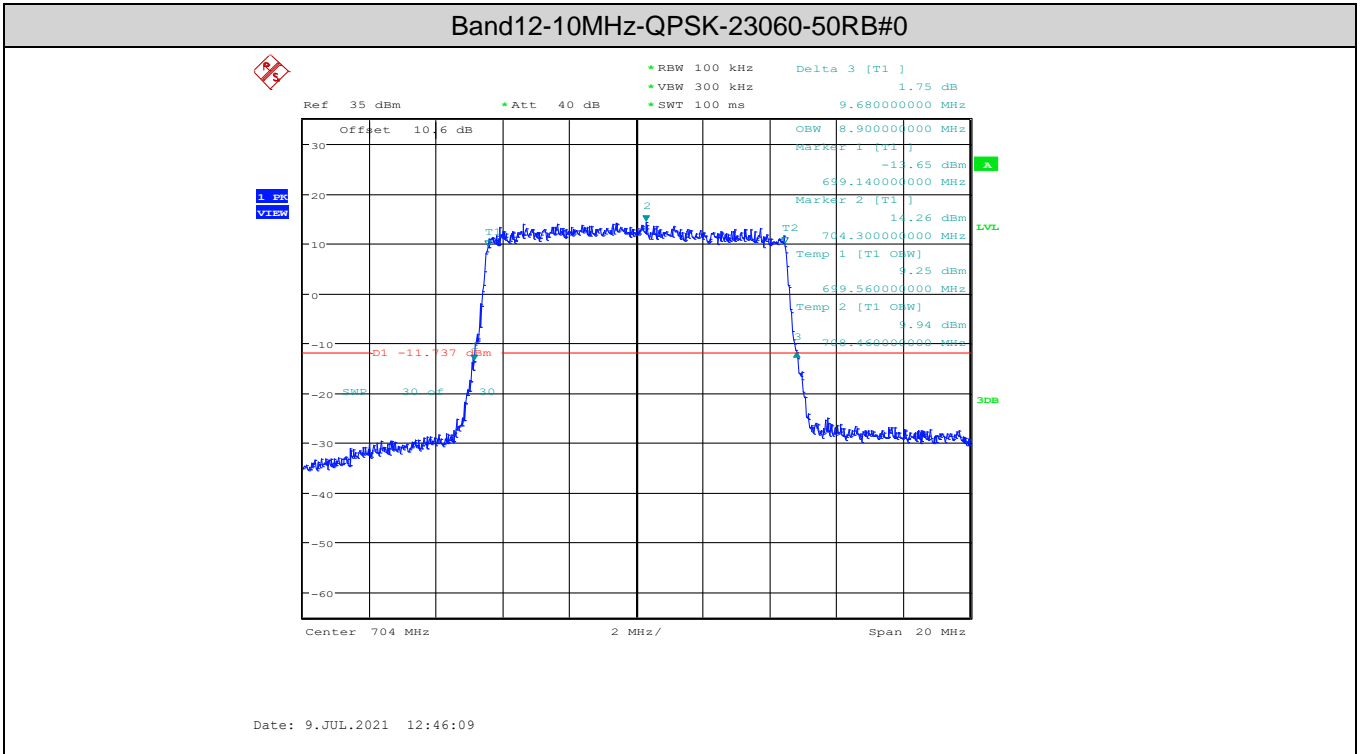


Date: 9.JUL.2021 12:44:28

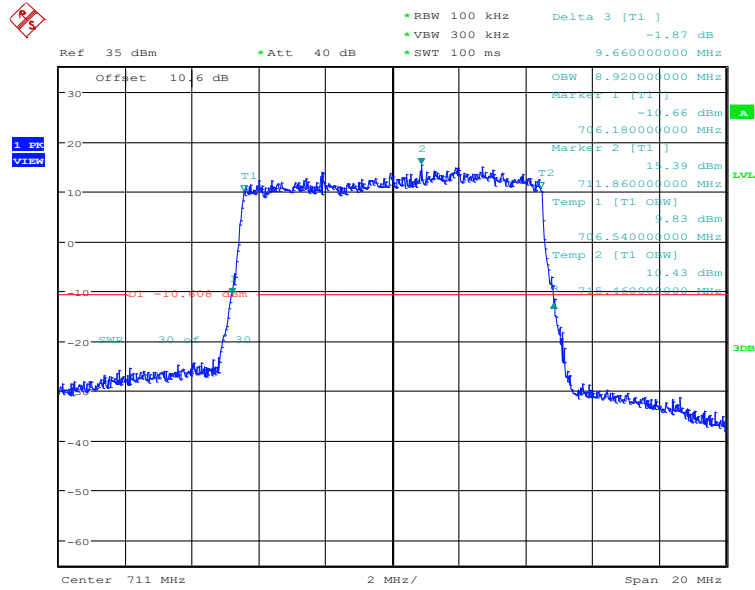
### Band12-5MHz-16QAM-23155-25RB#0



Date: 9.JUL.2021 12:45:08

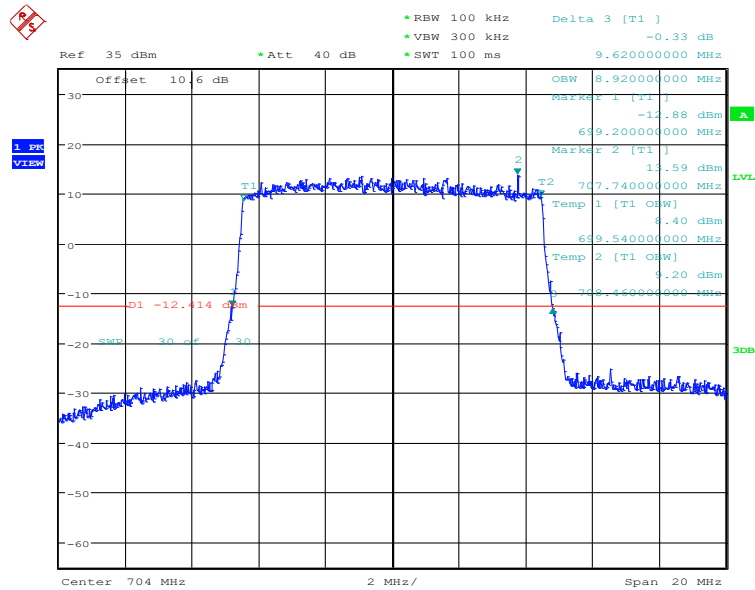


### Band12-10MHz-QPSK-23130-50RB#0



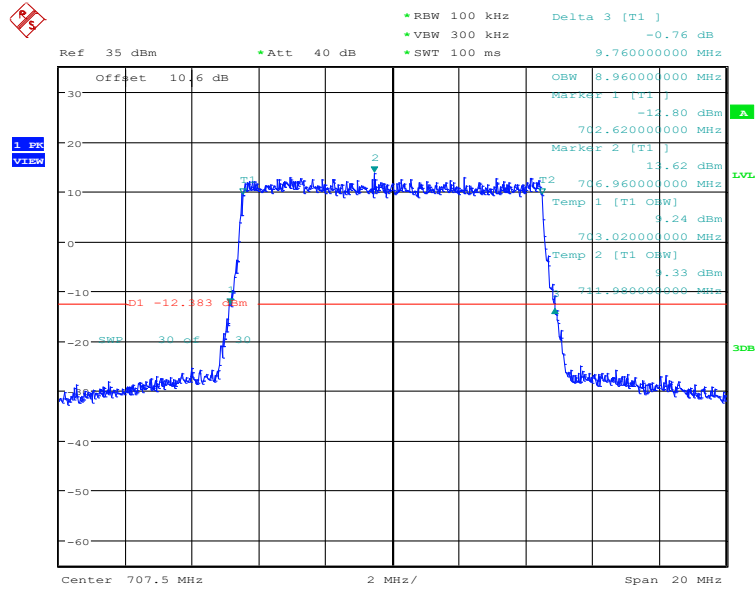
Date: 9.JUL.2021 12:47:01

### Band12-10MHz-16QAM-23060-50RB#0



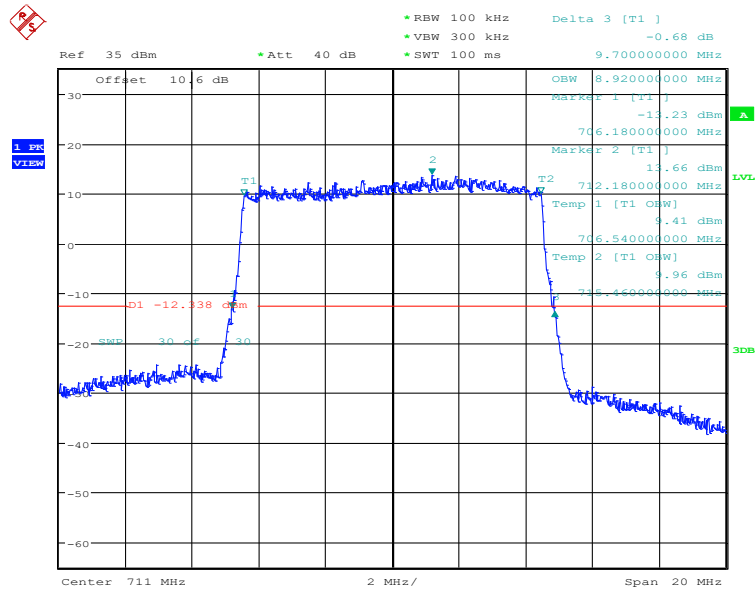
Date: 9.JUL.2021 12:46:20

## Band12-10MHz-16QAM-23095-50RB#0



Date: 9.JUL.2021 12:46:46

## Band12-10MHz-16QAM-23130-50RB#0



Date: 9.JUL.2021 12:47:12

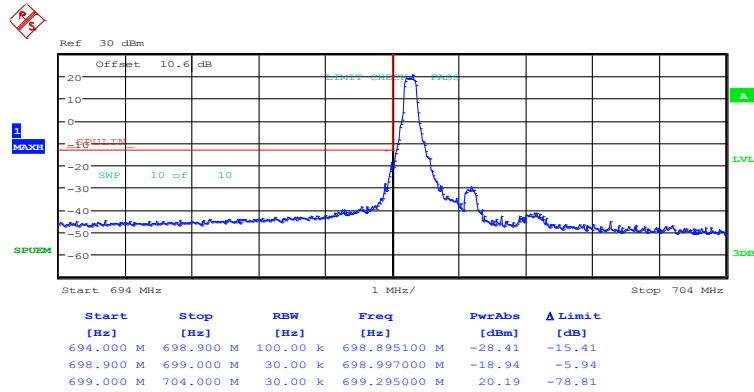
## Appendix D: Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-28.41,-18.94	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-24.63,-22.56	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-16.87,-23.75	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-23.91,-30.32	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-30.97,-17.79	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-25.15,-23.51	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-18.87,-27.01	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-21.32,-30.17	PASS
Band12	3MHz	QPSK	23025	1RB#0	-29.06,-18.50	PASS
Band12	3MHz	QPSK	23025	15RB#0	-27.36,-22.99	PASS
Band12	3MHz	QPSK	23165	1RB#14	-17.56,-29.16	PASS
Band12	3MHz	QPSK	23165	15RB#0	-23.70,-31.58	PASS
Band12	3MHz	16QAM	23025	1RB#0	-33.29,-28.28	PASS
Band12	3MHz	16QAM	23025	15RB#0	-29.02,-25.17	PASS
Band12	3MHz	16QAM	23165	1RB#14	-19.97,-32.75	PASS
Band12	3MHz	16QAM	23165	15RB#0	-24.71,-32.46	PASS
Band12	5MHz	QPSK	23035	1RB#0	-30.95,-18.64	PASS
Band12	5MHz	QPSK	23035	25RB#0	-29.60,-26.94	PASS
Band12	5MHz	QPSK	23155	1RB#24	-20.18,-30.02	PASS
Band12	5MHz	QPSK	23155	25RB#0	-26.74,-28.50	PASS
Band12	5MHz	16QAM	23035	1RB#0	-29.39,-23.60	PASS
Band12	5MHz	16QAM	23035	25RB#0	-30.79,-26.57	PASS
Band12	5MHz	16QAM	23155	1RB#24	-20.52,-27.54	PASS
Band12	5MHz	16QAM	23155	25RB#0	-27.20,-28.67	PASS
Band12	10MHz	QPSK	23060	1RB#0	-33.65,-33.13	PASS
Band12	10MHz	QPSK	23060	50RB#0	-32.34,-31.06	PASS
Band12	10MHz	QPSK	23130	1RB#49	-33.76,-34.75	PASS
Band12	10MHz	QPSK	23130	50RB#0	-30.72,-30.11	PASS
Band12	10MHz	16QAM	23060	1RB#0	-32.89,-27.96	PASS
Band12	10MHz	16QAM	23060	50RB#0	-33.49,-34.52	PASS
Band12	10MHz	16QAM	23130	1RB#49	-34.98,-36.05	PASS
Band12	10MHz	16QAM	23130	50RB#0	-33.20,-31.91	PASS

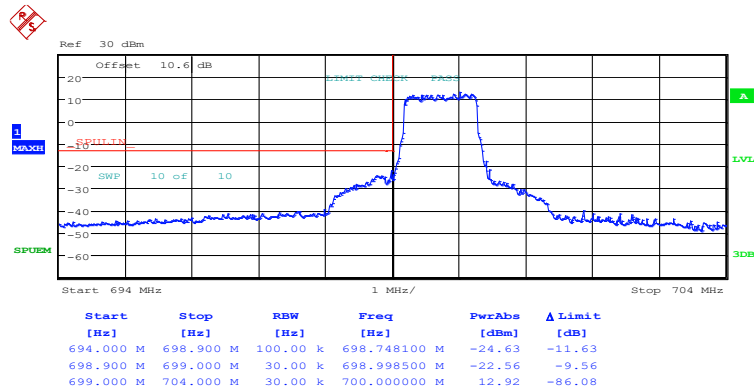
Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



Date: 9.JUL.2021 17:36:41

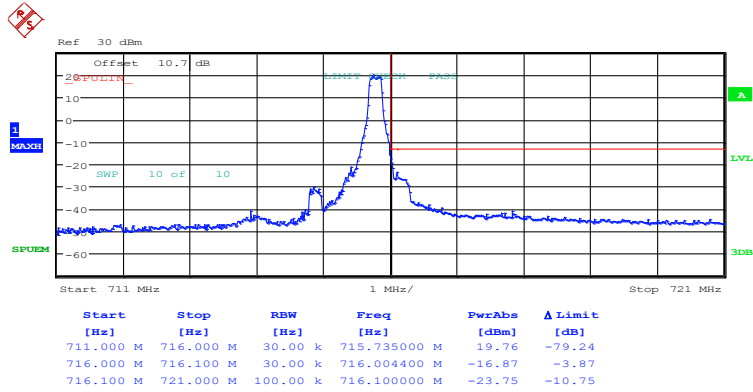
Band12-1.4MHz-QPSK-23017-6RB#0



Date: 9.JUL.2021 17:37:01

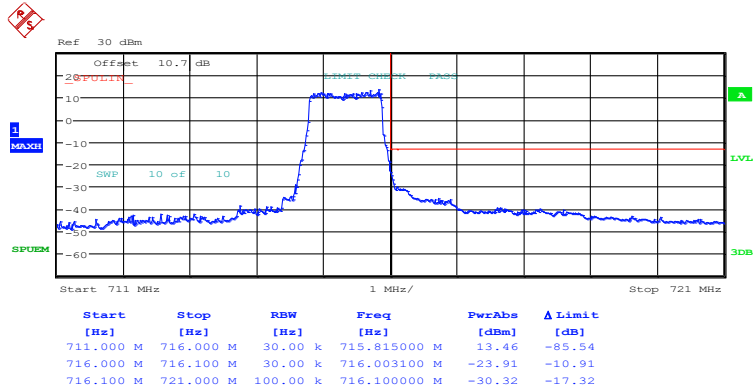


### Band12-1.4MHz-QPSK-23173-1RB#5



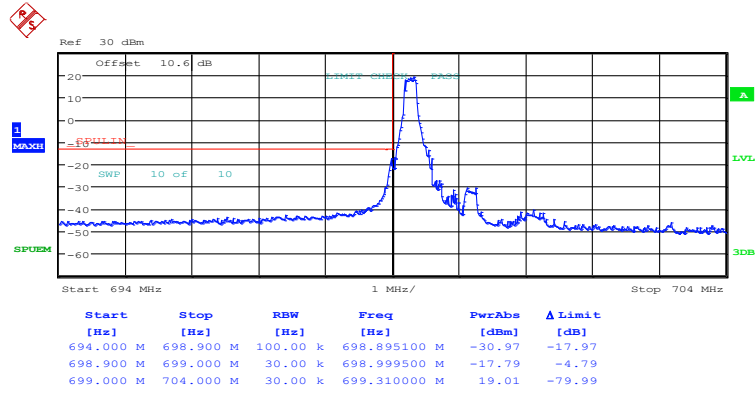
Date: 9.JUL.2021 17:37:53

### Band12-1.4MHz-QPSK-23173-6RB#0



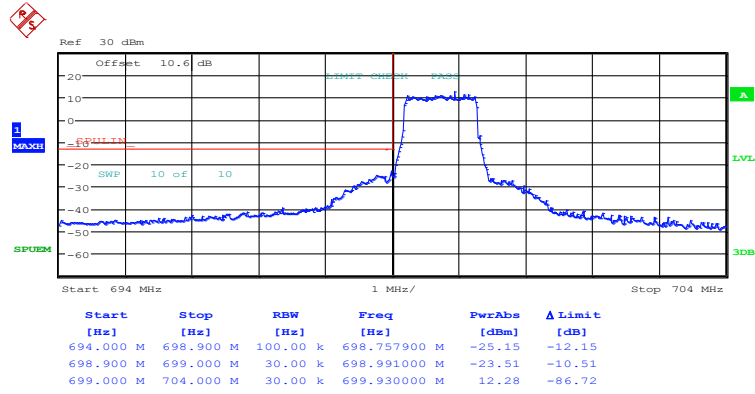
Date: 9.JUL.2021 17:38:13

### Band12-1.4MHz-16QAM-23017-1RB#0



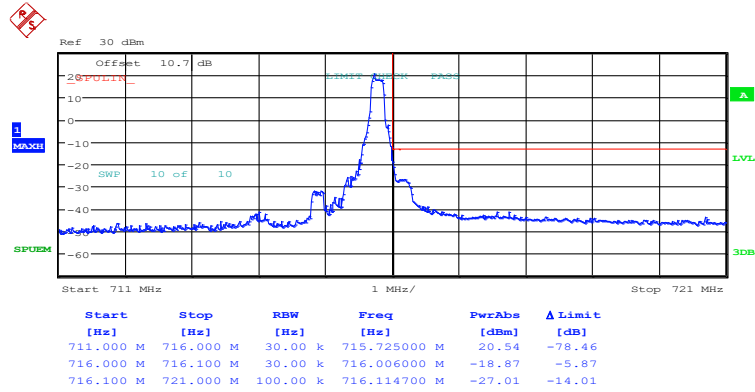
Date: 9.JUL.2021 17:36:50

### Band12-1.4MHz-16QAM-23017-6RB#0



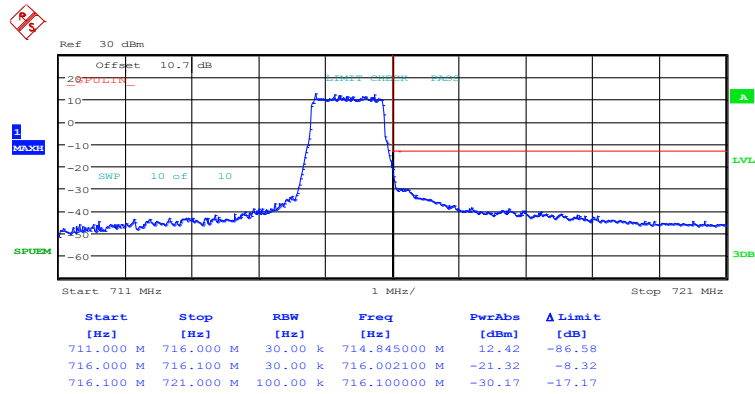
Date: 9.JUL.2021 17:37:09

### Band12-1.4MHz-16QAM-23173-1RB#5



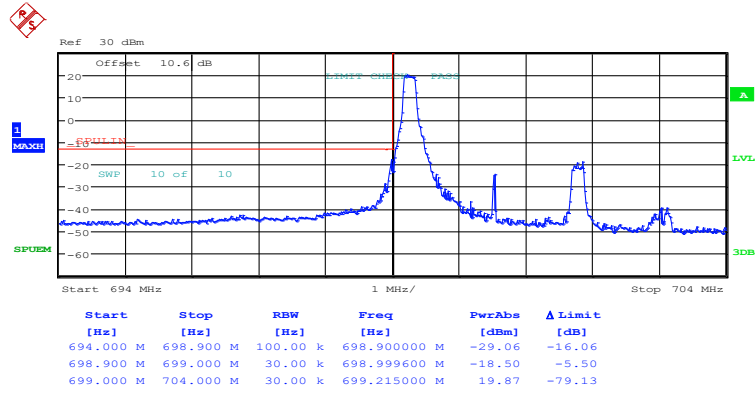
Date: 9.JUL.2021 17:38:02

### Band12-1.4MHz-16QAM-23173-6RB#0



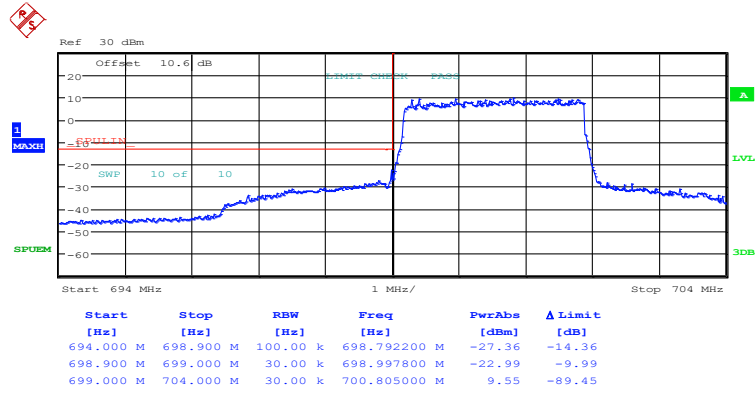
Date: 9.JUL.2021 17:38:22

## Band12-3MHz-QPSK-23025-1RB#0



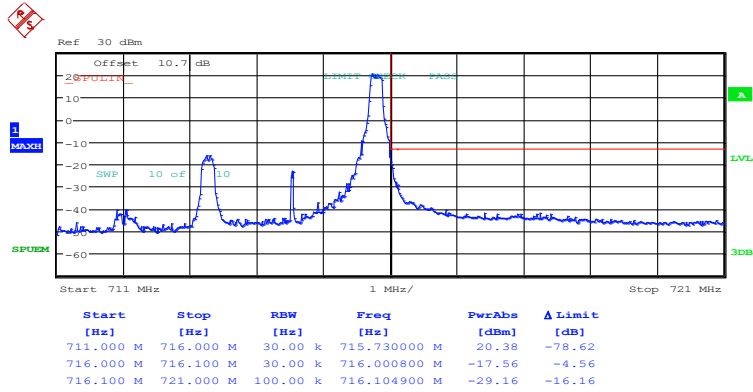
Date: 9.JUL.2021 13:07:24

## Band12-3MHz-QPSK-23025-15RB#0



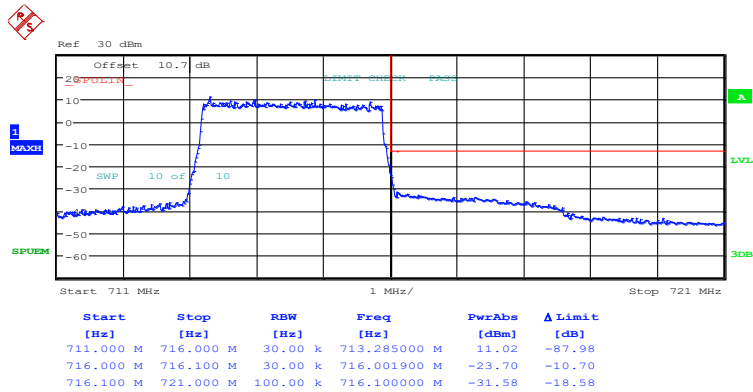
Date: 9.JUL.2021 13:08:51

## Band12-3MHz-QPSK-23165-1RB#14



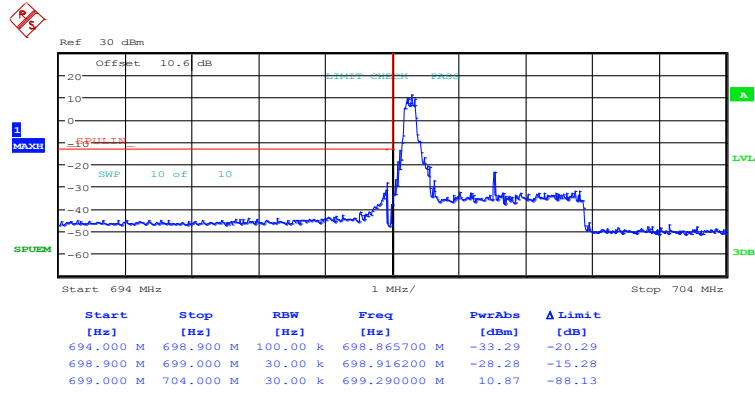
Date: 9.JUL.2021 13:09:26

## Band12-3MHz-QPSK-23165-15RB#0



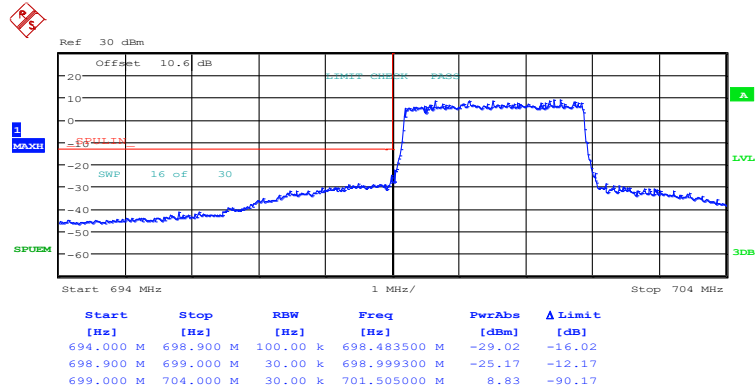
Date: 9.JUL.2021 13:10:24

### Band12-3MHz-16QAM-23025-1RB#0



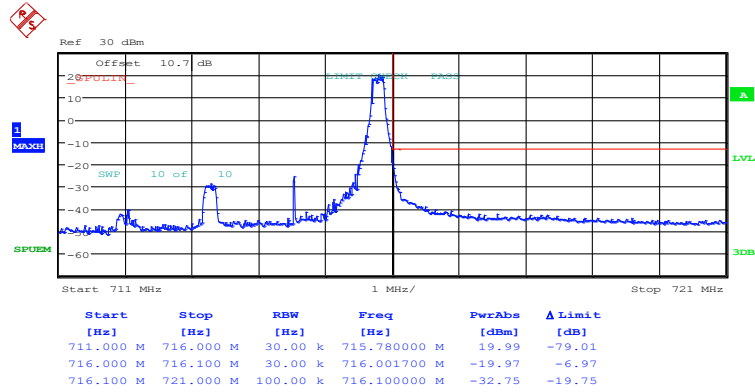
Date: 9.JUL.2021 13:07:33

### Band12-3MHz-16QAM-23025-15RB#0



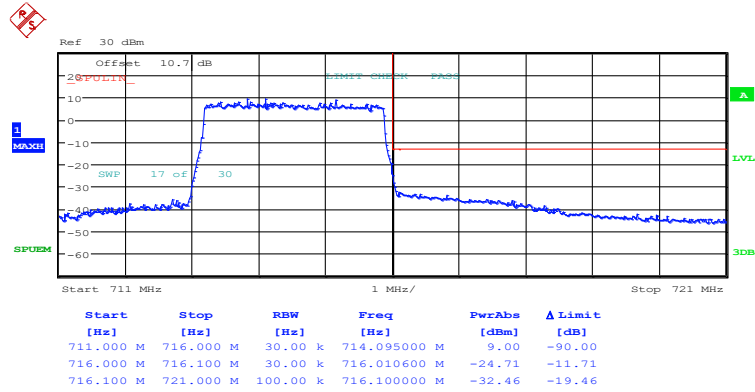
Date: 9.JUL.2021 17:40:27

### Band12-3MHz-16QAM-23165-1RB#14



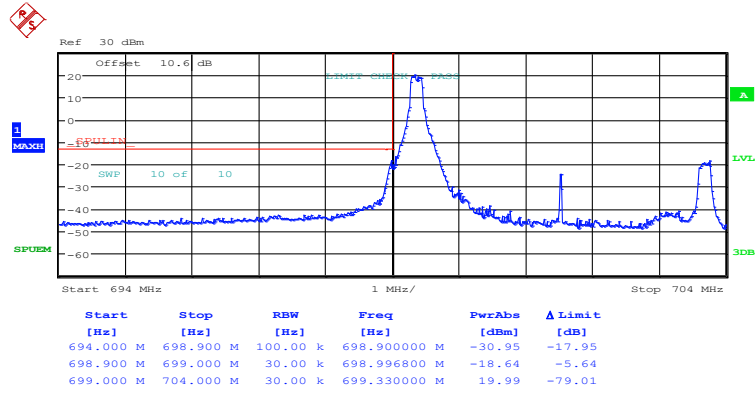
Date: 9.JUL.2021 15:32:23

### Band12-3MHz-16QAM-23165-15RB#0



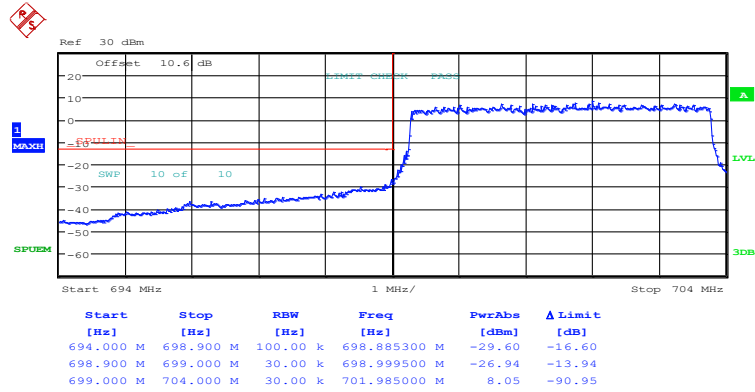
Date: 9.JUL.2021 15:33:21

### Band12-5MHz-QPSK-23035-1RB#0



Date: 9.JUL.2021 13:10:58

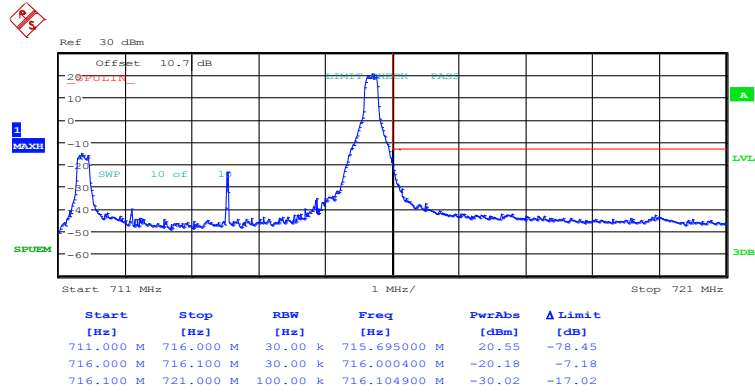
### Band12-5MHz-QPSK-23035-25RB#0



Date: 9.JUL.2021 13:11:18

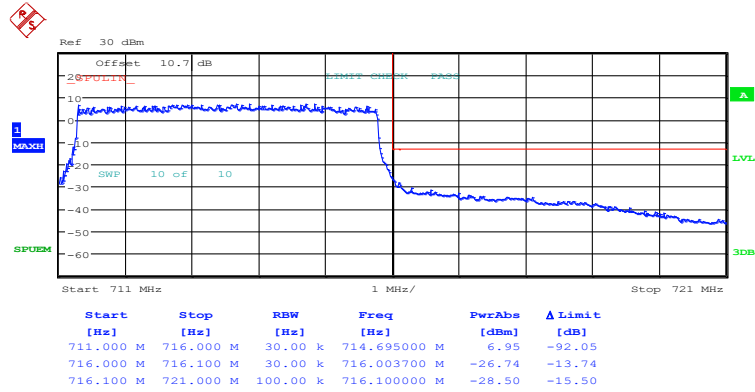


## Band12-5MHz-QPSK-23155-1RB#24



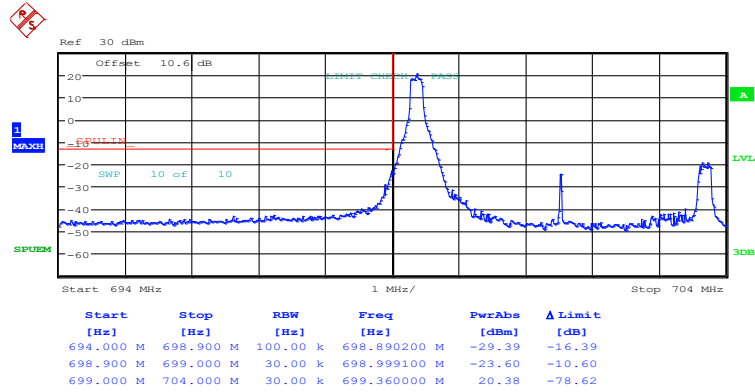
Date: 9.JUL.2021 13:11:45

## Band12-5MHz-QPSK-23155-25RB#0



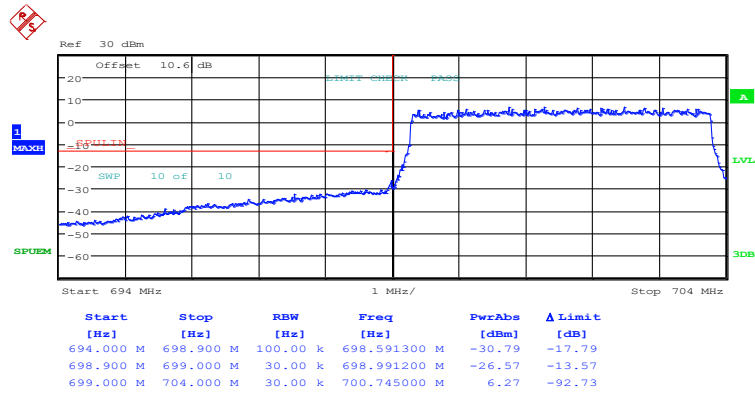
Date: 9.JUL.2021 13:12:04

## Band12-5MHz-16QAM-23035-1RB#0



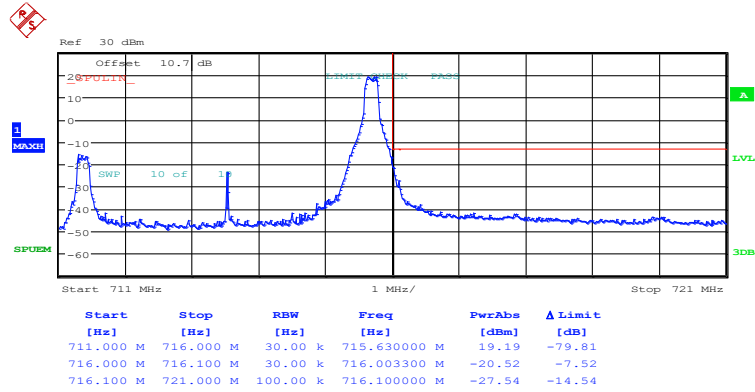
Date: 9.JUL.2021 13:11:07

## Band12-5MHz-16QAM-23035-25RB#0



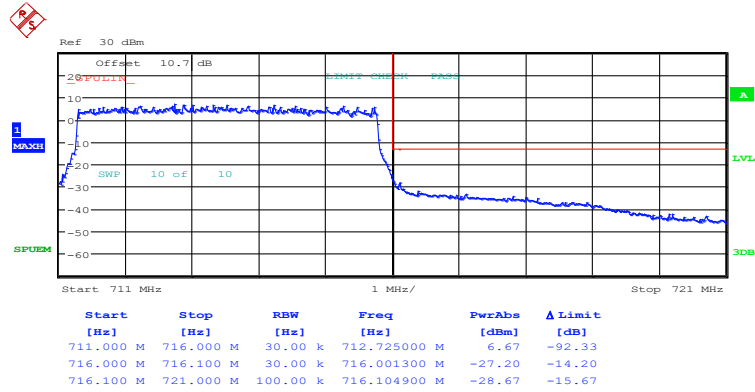
Date: 9.JUL.2021 13:11:27

## Band12-5MHz-16QAM-23155-1RB#24



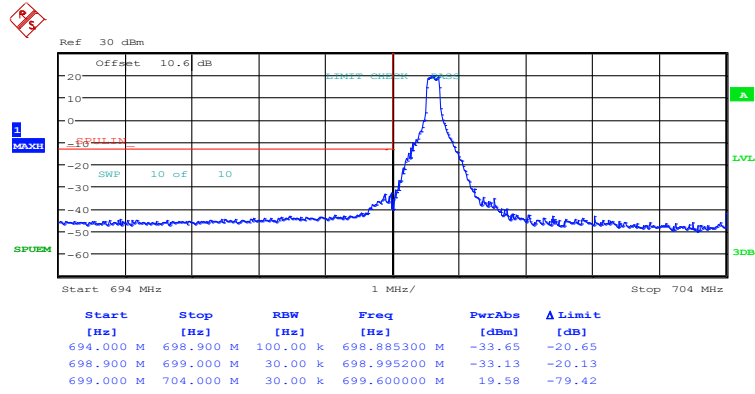
Date: 9.JUL.2021 13:11:53

## Band12-5MHz-16QAM-23155-25RB#0



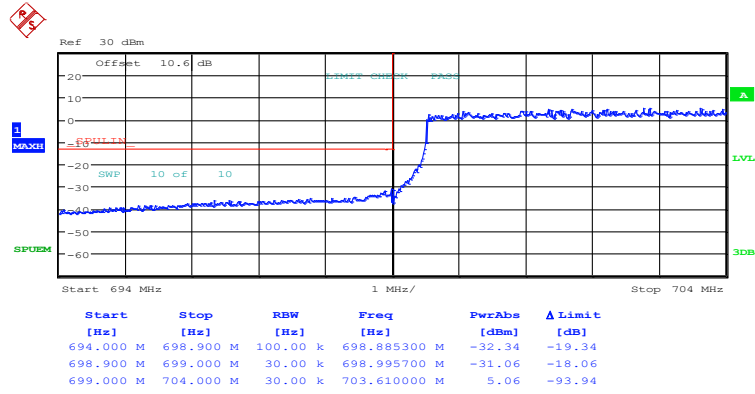
Date: 9.JUL.2021 13:12:13

## Band12-10MHz-QPSK-23060-1RB#0



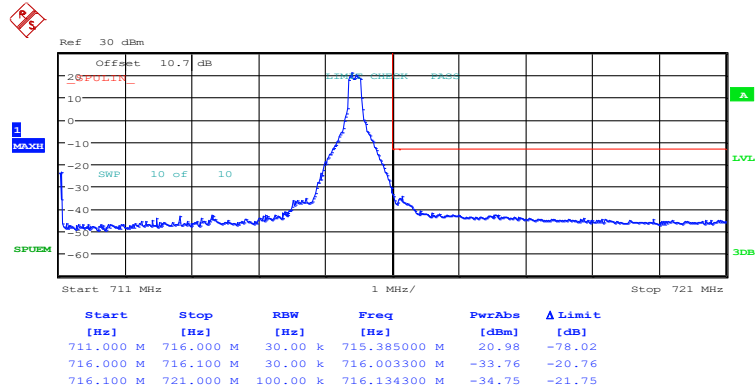
Date: 9.JUL.2021 13:12:48

## Band12-10MHz-QPSK-23060-50RB#0



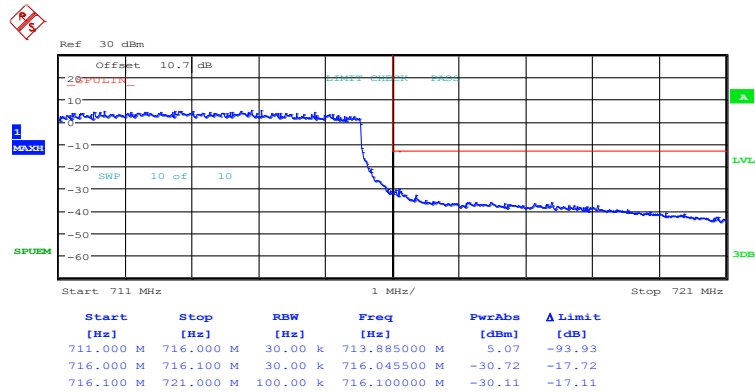
Date: 9.JUL.2021 13:13:08

### Band12-10MHz-QPSK-23130-1RB#49



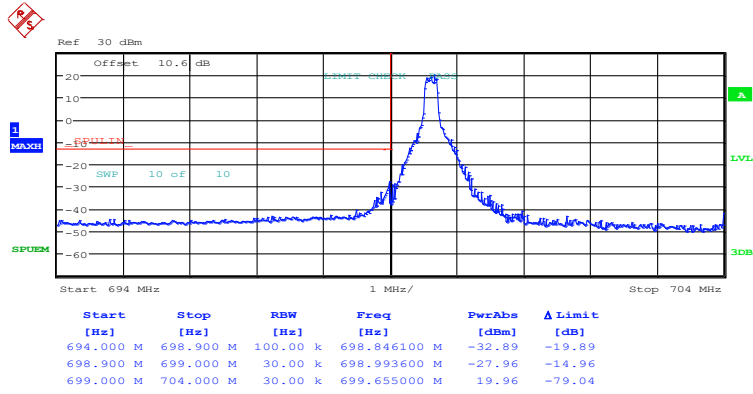
Date: 9.JUL.2021 13:13:34

### Band12-10MHz-QPSK-23130-50RB#0



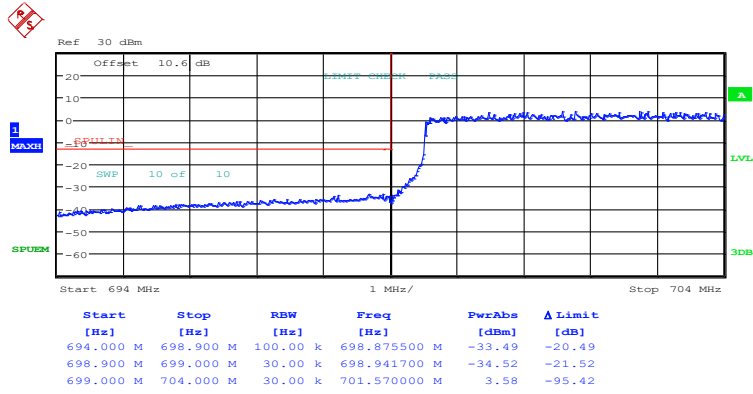
Date: 9.JUL.2021 13:13:54

## Band12-10MHz-16QAM-23060-1RB#0



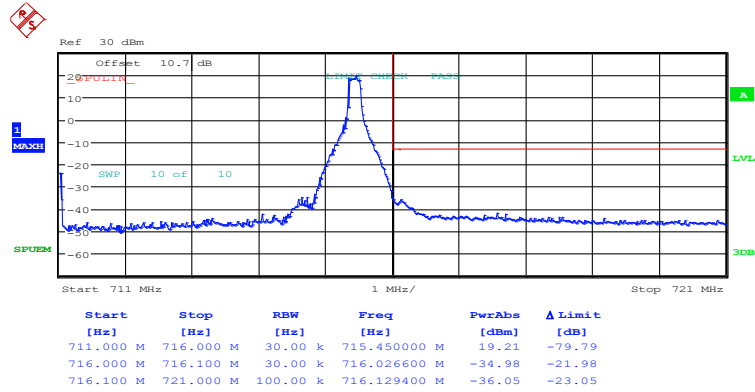
Date: 9.JUL.2021 13:12:57

## Band12-10MHz-16QAM-23060-50RB#0



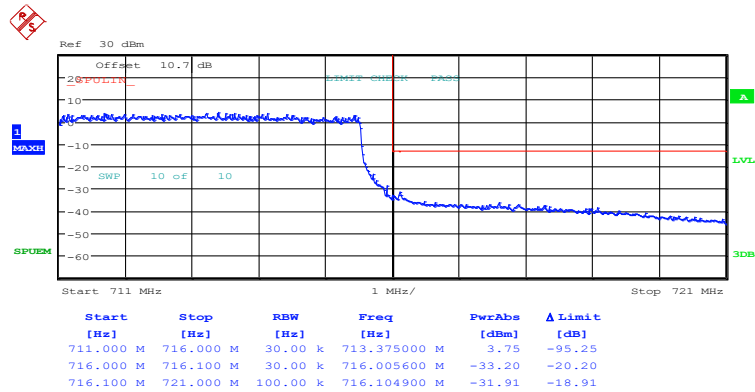
Date: 9.JUL.2021 13:13:16

## Band12-10MHz-16QAM-23130-1RB#49



Date: 9.JUL.2021 13:13:43

## Band12-10MHz-16QAM-23130-50RB#0



Date: 9.JUL.2021 13:14:03

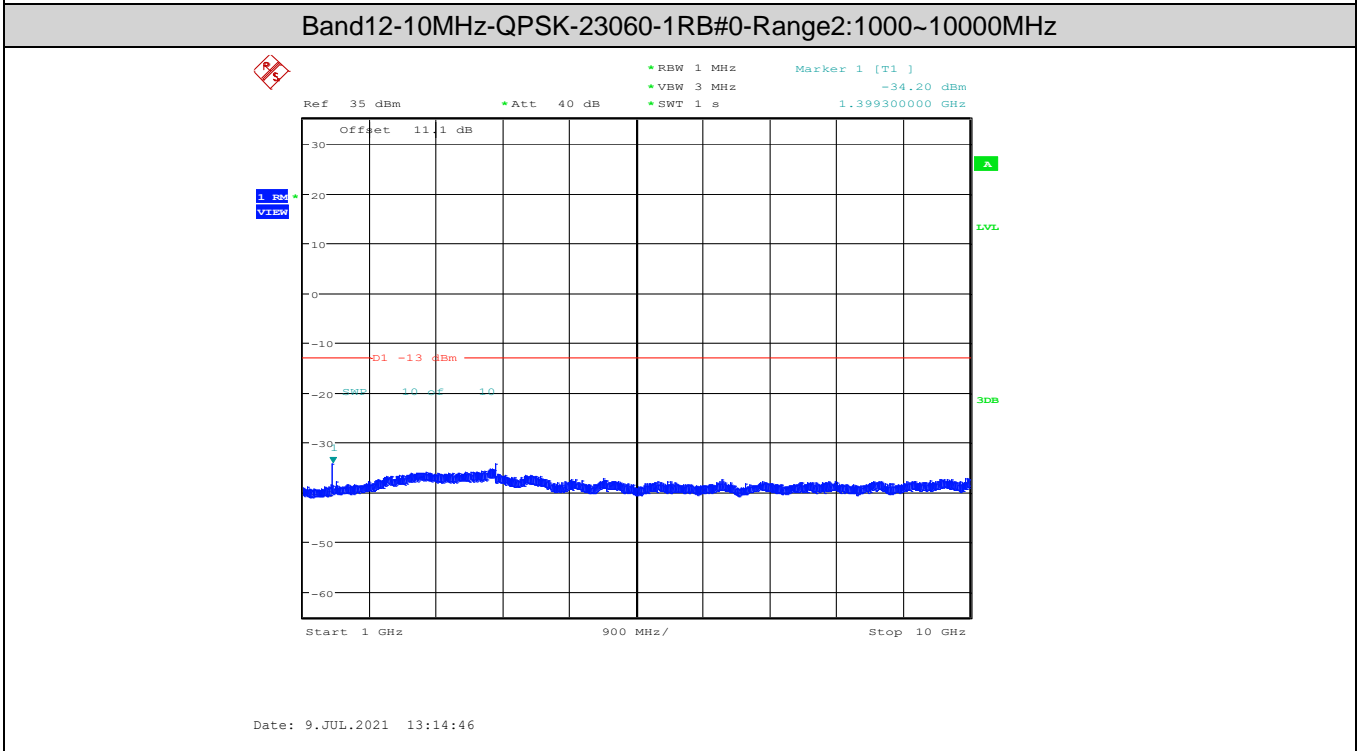
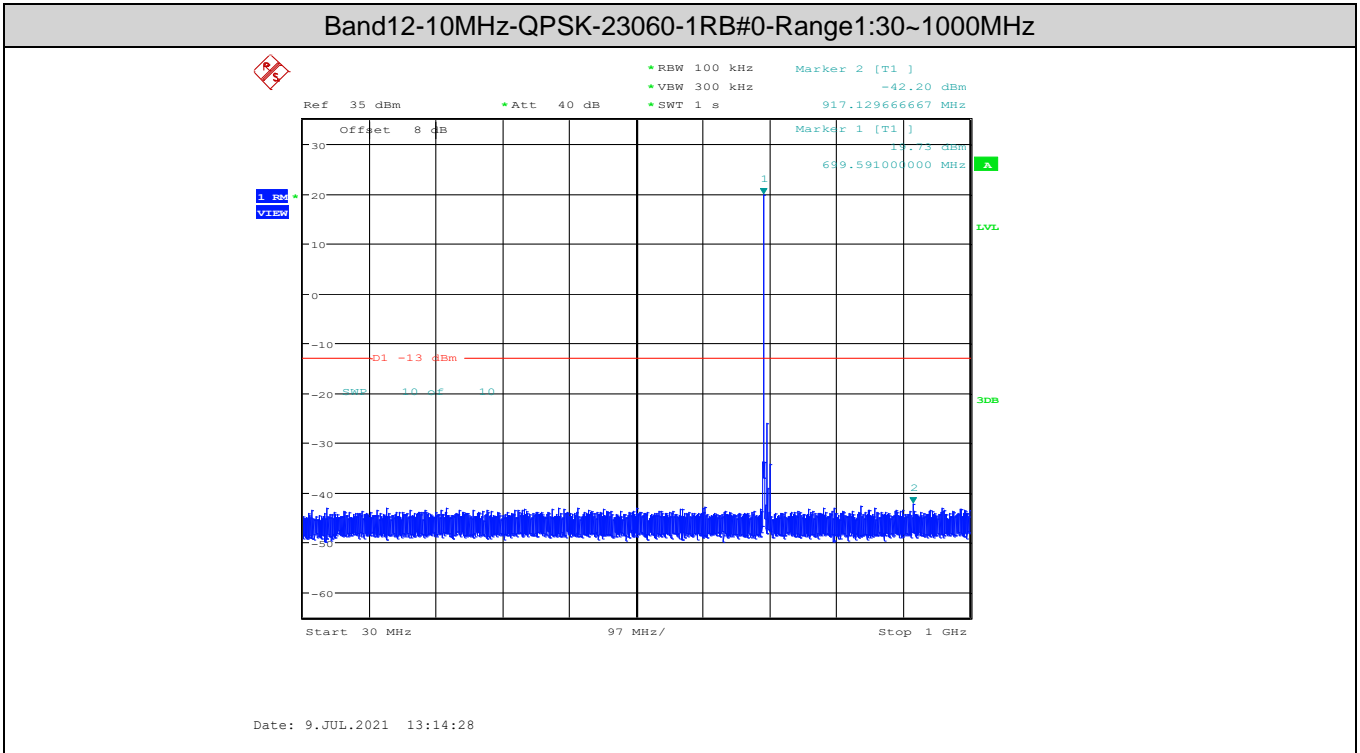
## Appendix E: Conducted Spurious Emission

### Test Result

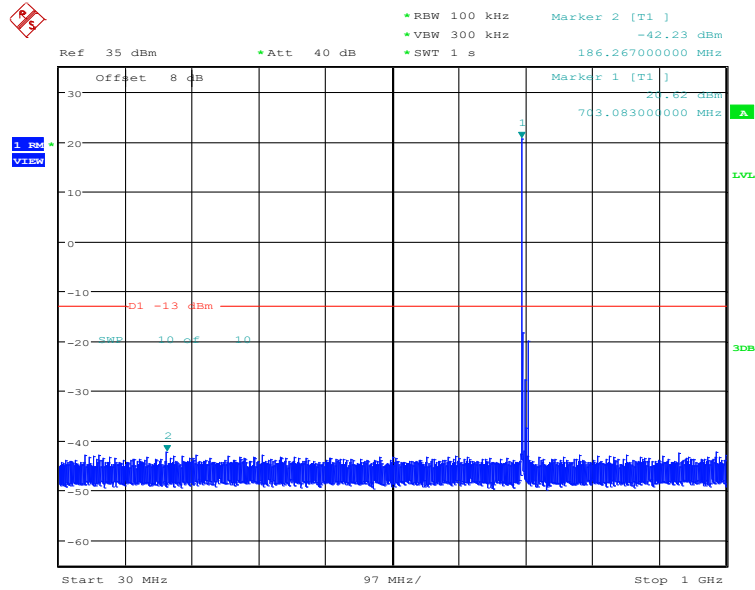
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-42.2	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-34.2	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-42.23	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.5	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-42.05	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-34.26	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-42.66	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-32.66	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-42.47	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.99	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-41.49	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-34.47	PASS



### Test Graphs

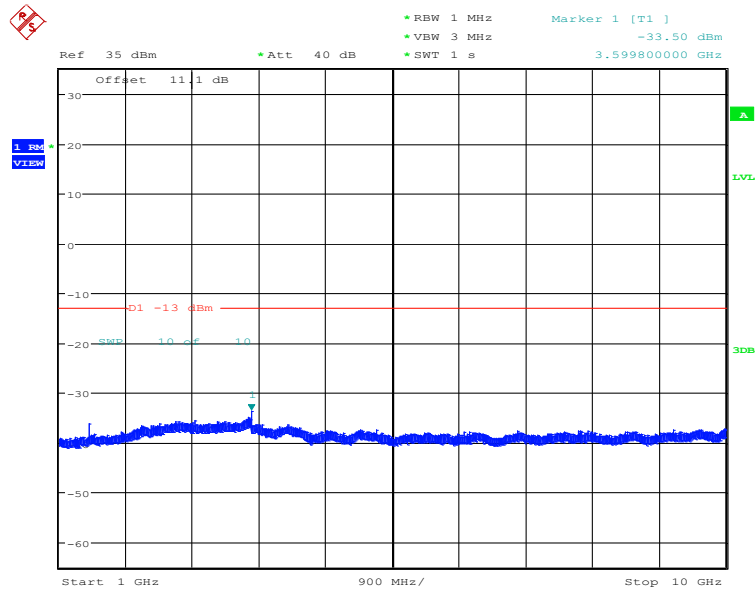


## Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



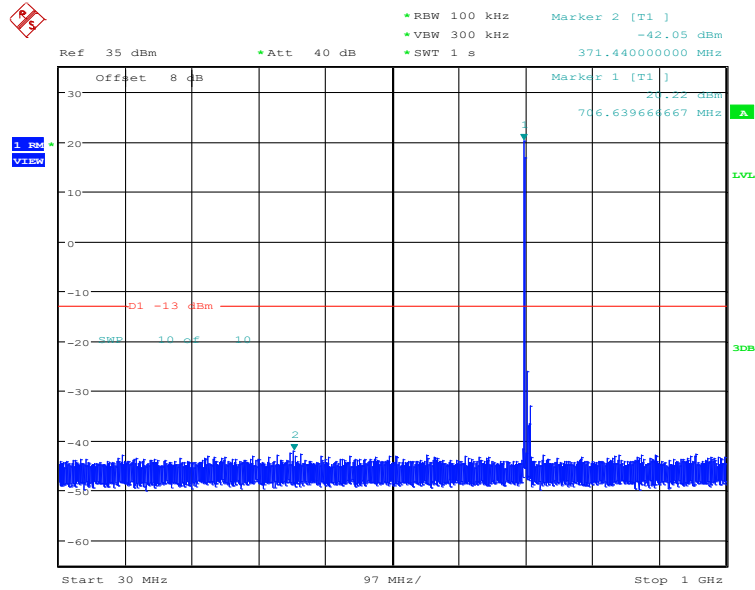
Date: 9.JUL.2021 13:15:50

## Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



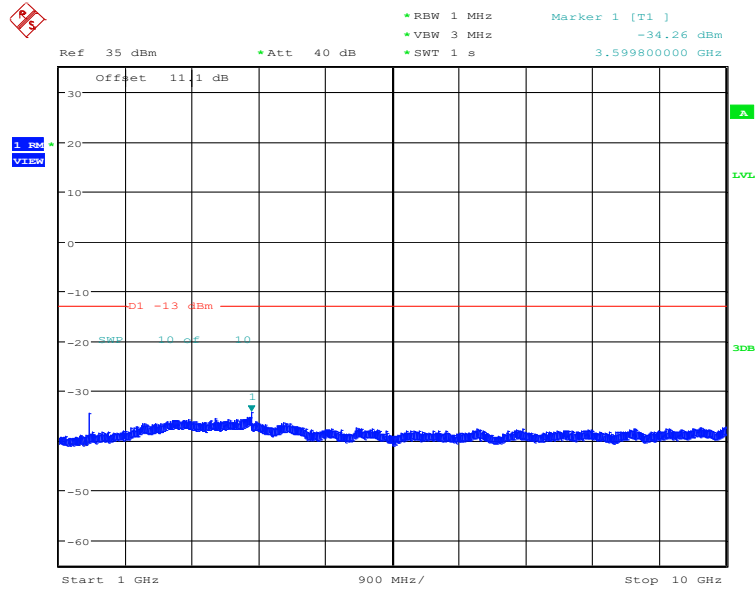
Date: 9.JUL.2021 13:16:08

## Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



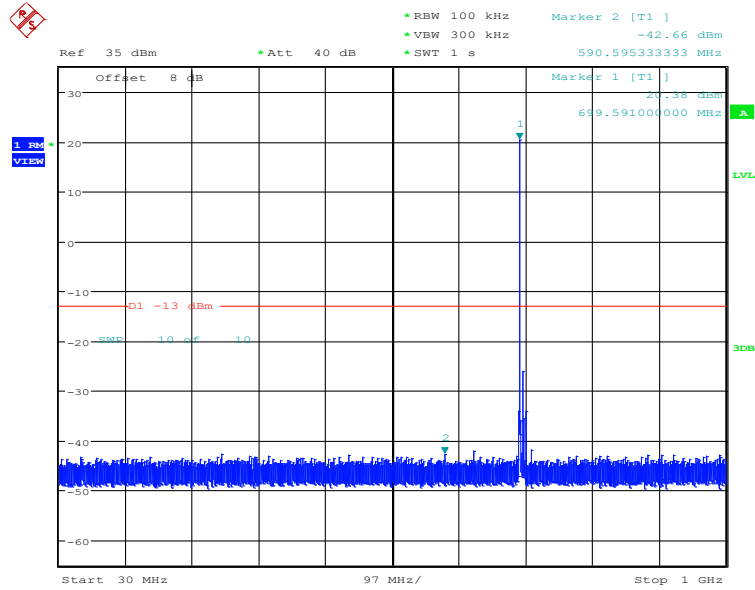
Date: 9.JUL.2021 13:17:13

## Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



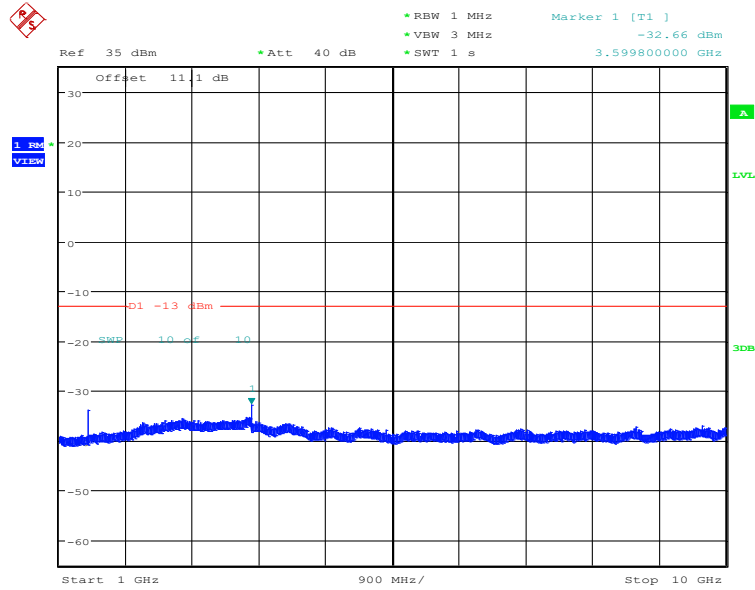
Date: 9.JUL.2021 13:17:31

### Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



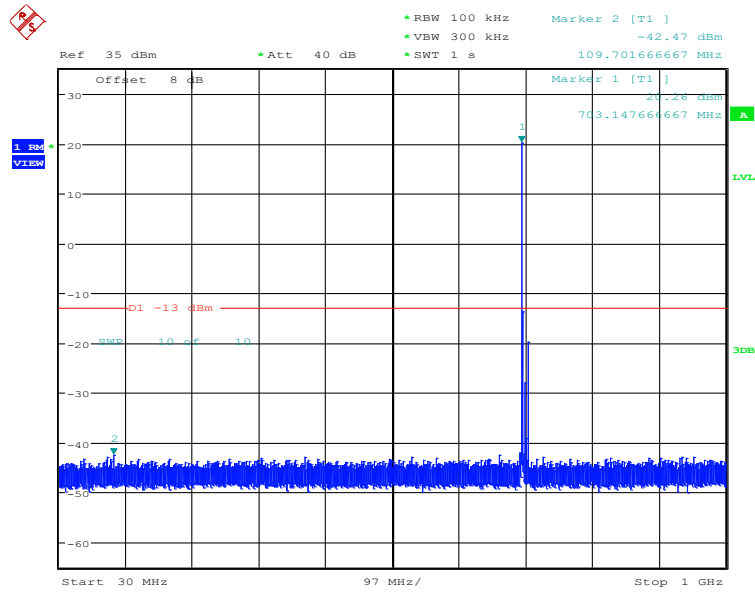
Date: 9.JUL.2021 13:15:07

### Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



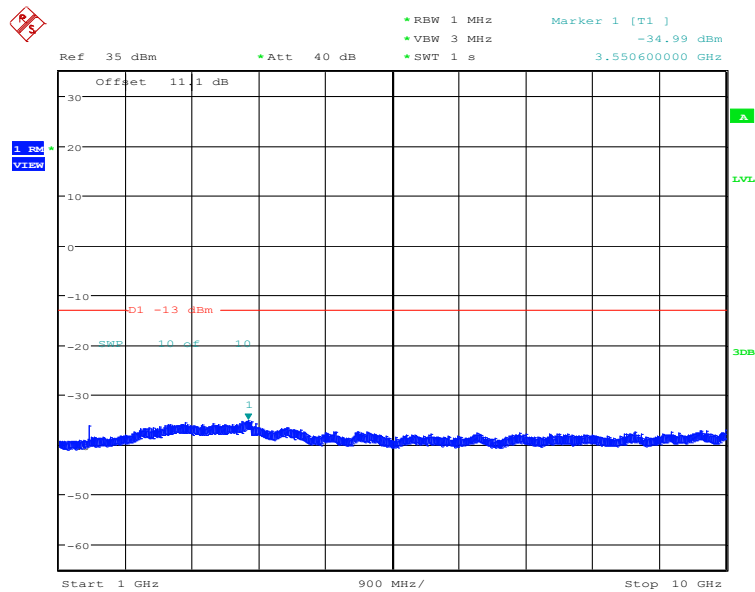
Date: 9.JUL.2021 13:15:25

### Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



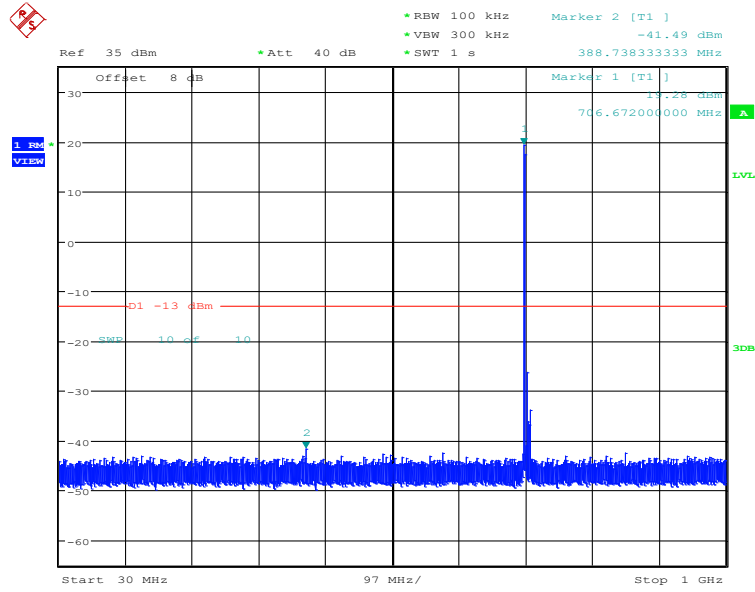
Date: 9.JUL.2021 13:16:29

### Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



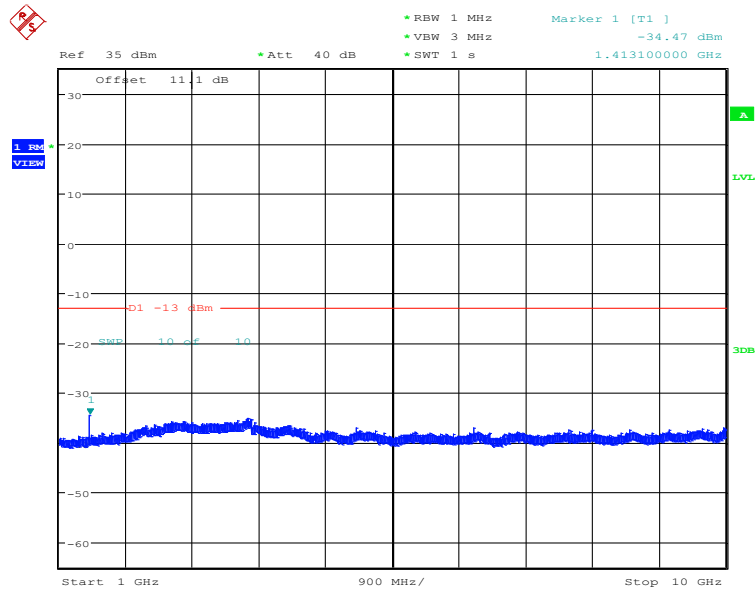
Date: 9.JUL.2021 13:16:47

## Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Date: 9.JUL.2021 13:17:52

## Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



Date: 9.JUL.2021 13:18:10

## Appendix F: Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-2.66	-0.003778	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	2.98	0.004233	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-2.07	-0.002940	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-2.25	-0.003180	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-4.02	-0.005682	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	2.05	0.002898	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-2.59	-0.003643	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-4.81	-0.006765	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-4.62	-0.006498	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-3.49	-0.004957	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-1.63	-0.002315	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-1.43	-0.002031	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-2.15	-0.003039	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-2.47	-0.003491	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-2.10	-0.002968	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-2.39	-0.003361	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-3.46	-0.004866	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-2.79	-0.003924	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	2.75	0.003906	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-1.37	-0.001946	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-1.97	-0.002798	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	2.79	0.003963	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-3.25	-0.004616	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-3.12	-0.004432	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-4.02	-0.005710	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.60	-0.002273	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-2.92	-0.004148	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-2.86	-0.004042	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-2.85	-0.004028	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-1.77	-0.002502	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.53	-0.003576	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-2.25	-0.003180	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-3.20	-0.004523	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-2.20	-0.003110	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-1.47	-0.002078	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-3.26	-0.004608	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-2.45	-0.003446	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-4.25	-0.005977	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-2.42	-0.003404	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-3.13	-0.004402	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-3.85	-0.005415	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-4.09	-0.005752	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-5.04	-0.007089	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-5.55	-0.007806	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-4.15	-0.005837	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-2.89	-0.004105	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-3.45	-0.004901	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-2.30	-0.003267	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	3.29	0.004673	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-2.70	-0.003835	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-1.89	-0.002685	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-3.09	-0.004389	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-3.81	-0.005412	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-3.35	-0.004735	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-0.94	-0.001329	±2.5	PASS



Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-2.78	-0.003929	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-2.17	-0.003067	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	1.93	0.002728	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-3.26	-0.004608	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-1.54	-0.002177	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-3.56	-0.005032	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-3.62	-0.005117	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-3.36	-0.004726	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-3.05	-0.004290	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-2.27	-0.003193	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-2.02	-0.002841	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-2.69	-0.003783	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-3.63	-0.005105	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-3.73	-0.005246	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-2.86	-0.004023	±2.5	PASS

## Appendix G: Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS

Test Graphs

