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Main RF module appendix for LTE Band 12

**Applicant: HONGKONG UCLOUDLINK NETWORK TECHNOLOGY
LIMITED**

**Address: Suite 603, 6/F, Laws Commercial Plaza, 788 Cheung
Sha Wan Road, Kowloon, Hong Kong**

Product Name: 4G Wireless Data Terminal

Model: GLMU20A02

FCC ID: 2AC88-GLMU20A02

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1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

LTE Band 12				Actual output Power (dBm)		
Band-width	Modulation	RB allocation	RB offset	Low	Middle	High
1.4	QPSK	1	Low	24.04	23.90	24.21
			Middle	23.94	23.39	24.01
			High	23.99	23.41	24.10
		3	Low	22.57	23.33	22.47
			Middle	22.55	22.68	22.40
			High	22.53	22.85	22.36
		6	/	22.49	22.95	21.86
	16QAM	1	Low	23.75	23.54	23.80
			Middle	23.72	23.00	23.57
			High	23.65	23.01	23.71
		3	Low	21.90	23.04	21.91
			Middle	21.87	21.89	21.70
			High	21.81	22.36	21.82
		6	/	21.57	22.51	21.52
3	QPSK	1	Low	24.01	24.42	24.20
			Middle	23.92	24.39	23.99
			High	23.96	24.33	24.08
		8	Low	22.55	22.86	22.46
			Middle	22.53	22.91	22.38
			High	22.50	22.77	22.35
		15	/	22.47	22.48	21.85
	16QAM	1	Low	23.75	23.54	23.80
			Middle	23.72	23.00	23.57
			High	23.65	23.01	23.71
		8	Low	21.90	23.04	21.91
			Middle	21.87	21.89	21.70
			High	21.81	22.36	21.82
		15	/	21.57	22.51	21.52

5	QPSK	1	Low	24.06	24.39	24.22
			Middle	23.97	24.36	24.02
			High	24.01	24.30	24.11
		12	Low	22.59	22.83	22.48
			Middle	22.57	22.89	22.41
			High	22.55	22.74	22.37
		25	/	22.51	22.46	21.87
	16QAM	1	Low	23.77	24.02	23.82
			Middle	23.75	23.95	23.59
			High	23.67	23.94	23.72
		12	Low	21.92	22.14	21.92
			Middle	21.89	22.07	21.71
			High	21.83	22.06	21.83
		25	/	21.59	21.85	21.53
10	QPSK	1	Low	24.14	24.47	24.31
			Middle	24.04	24.44	24.11
			High	24.09	24.38	24.19
		25	Low	22.67	22.90	22.56
			Middle	22.65	22.96	22.49
			High	22.62	22.82	22.45
		50	/	22.58	22.53	21.95
	16QAM	1	Low	23.52	23.81	23.65
			Middle	23.49	23.75	23.42
			High	23.42	23.74	23.55
		25	Low	21.68	21.95	21.76
			Middle	21.66	21.88	21.55
			High	21.59	21.88	21.68
		50	/	21.36	21.67	21.37

1.2. Appendix B: Peak-to-Average Ratio(CCDF)

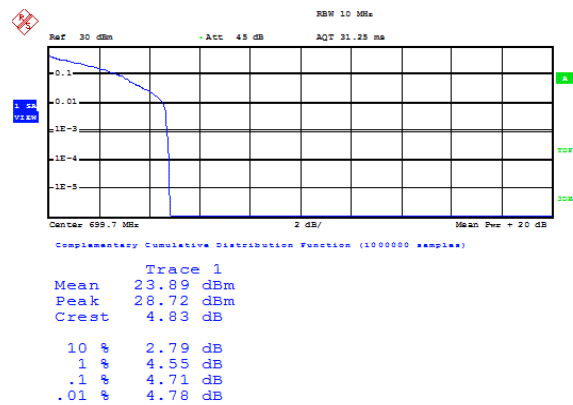
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.71	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.29	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.65	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.32	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.42	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.06	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.28	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.74	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.28	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.45	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.09	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.62	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.45	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.68	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.48	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.68	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.32	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.67	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.38	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.61	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.38	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.58	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.25	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.71	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.42	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.68	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.45	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.74	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.38	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.67	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.31	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.61	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.35	13	PASS

Band12	5MHz	16QAM	23155	1RB#0	5.64	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.28	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.71	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.35	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.74	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.35	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.74	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.29	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.58	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.31	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.87	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.38	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.35	13	PASS

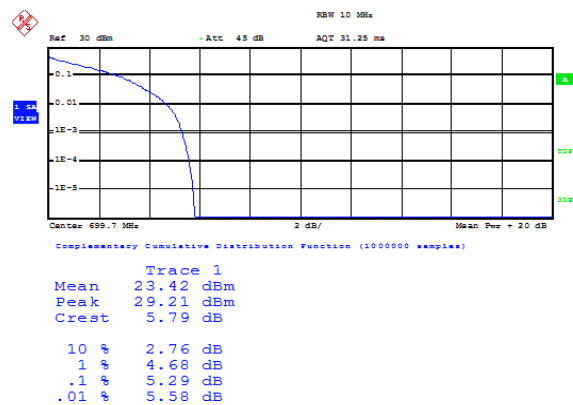
Test Graphs

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



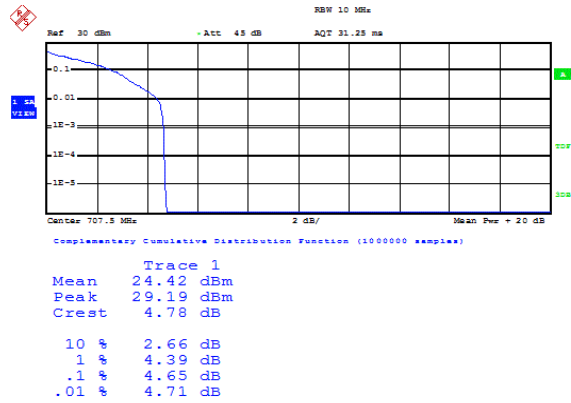
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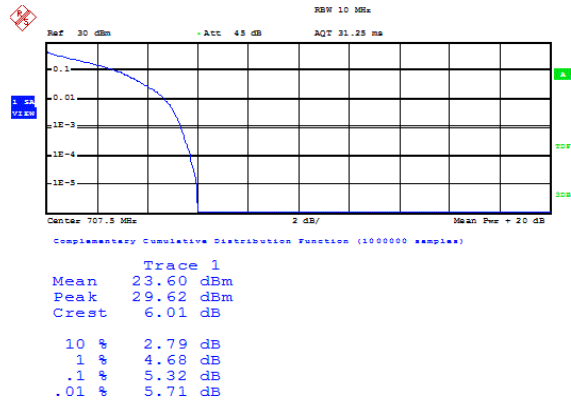
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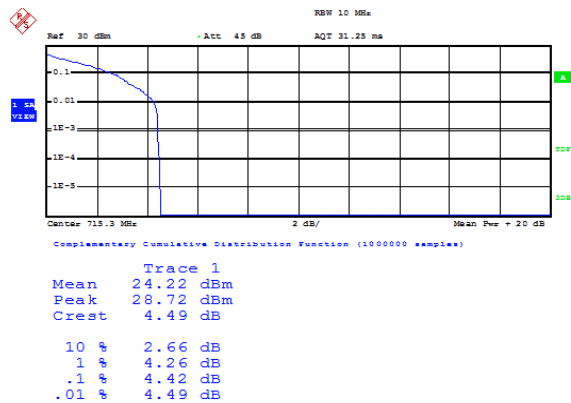
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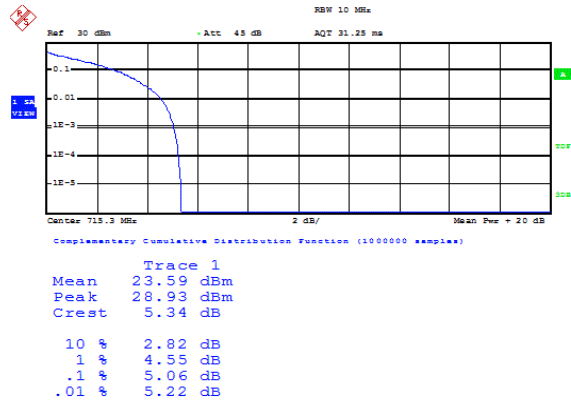
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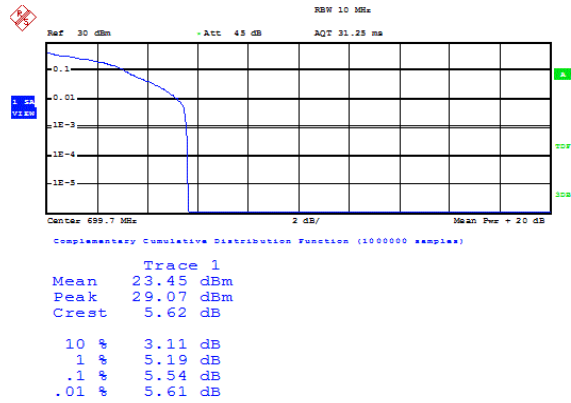
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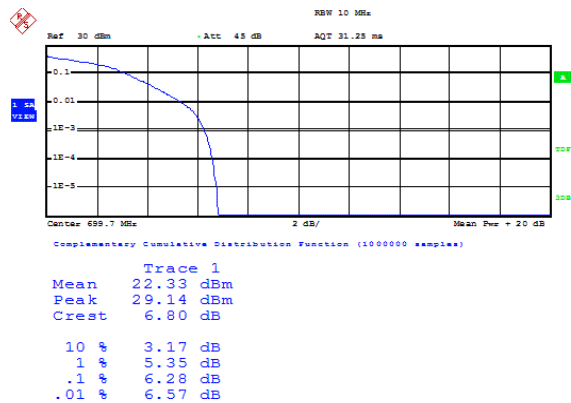
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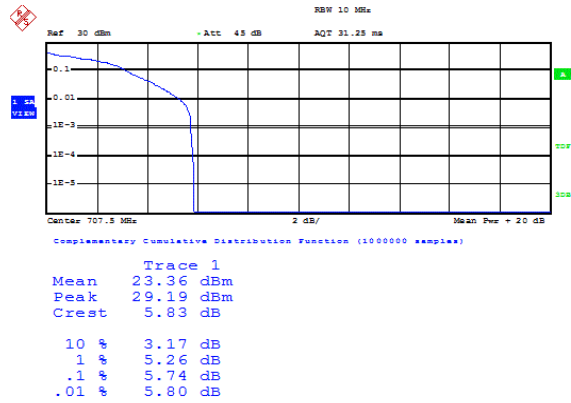
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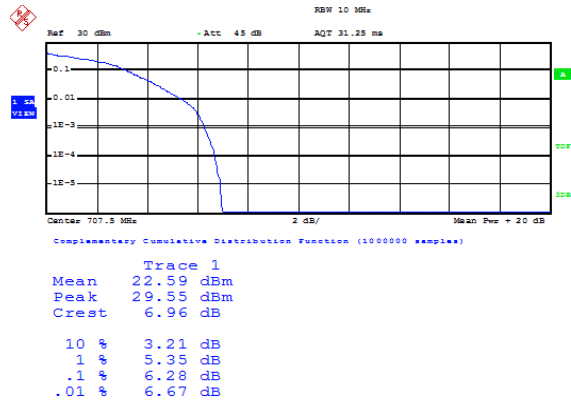
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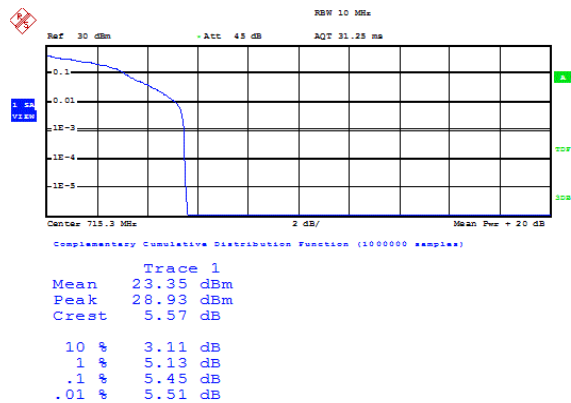
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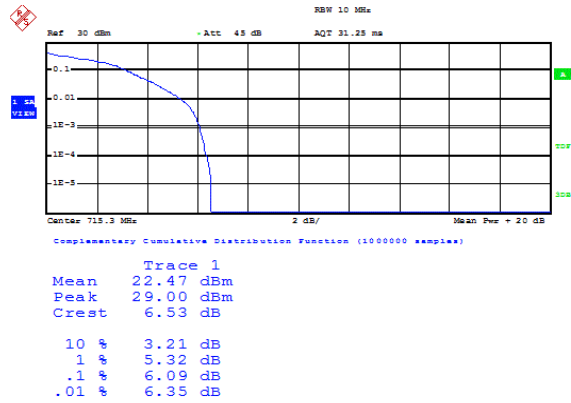
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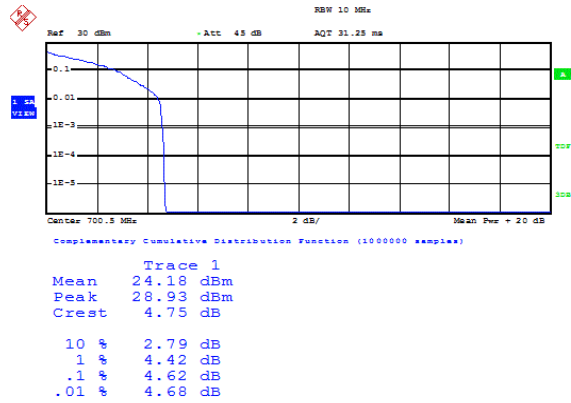
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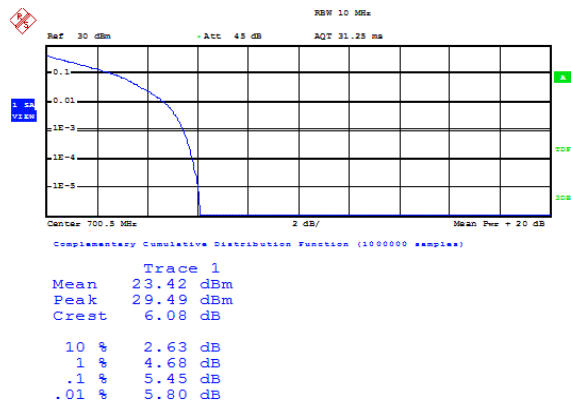
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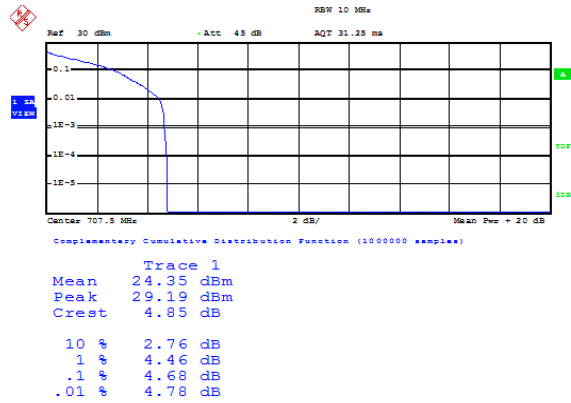
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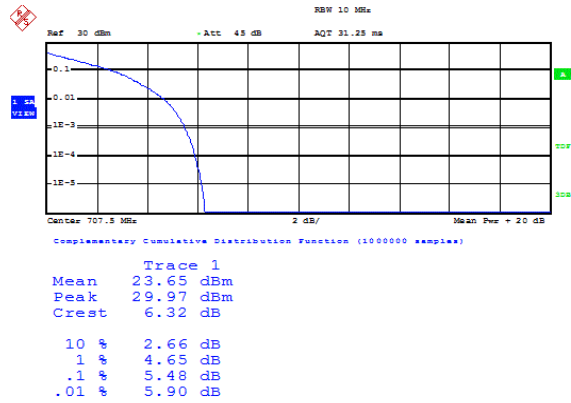
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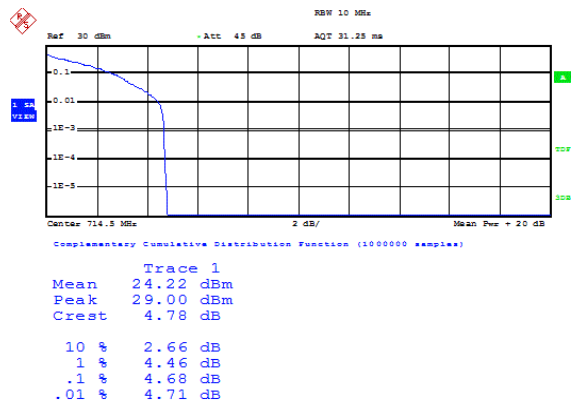
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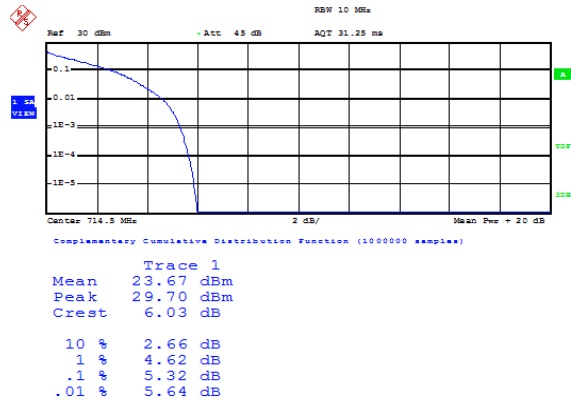
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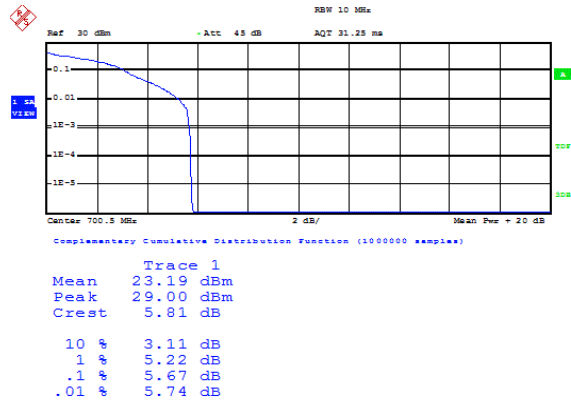
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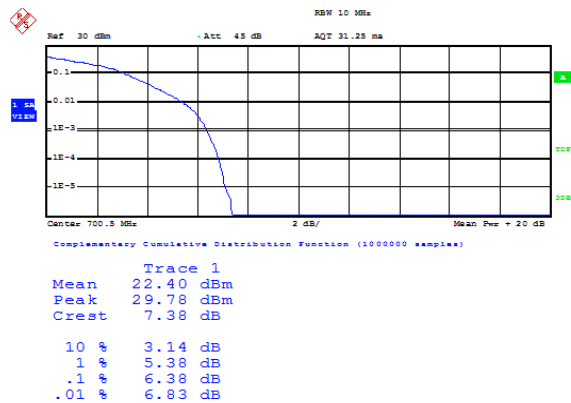
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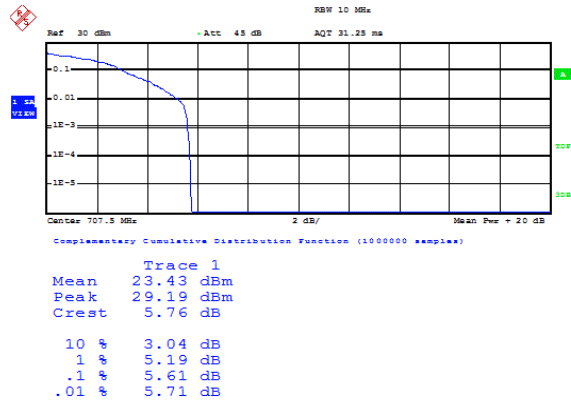
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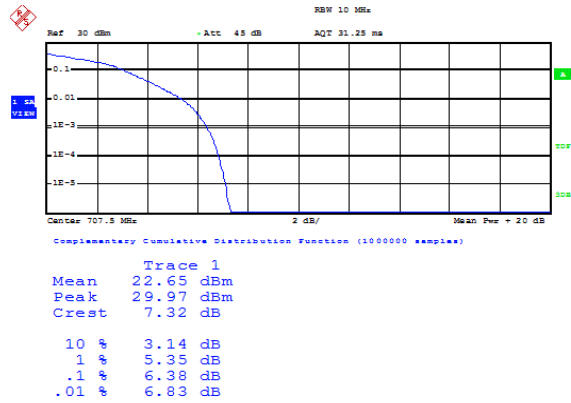
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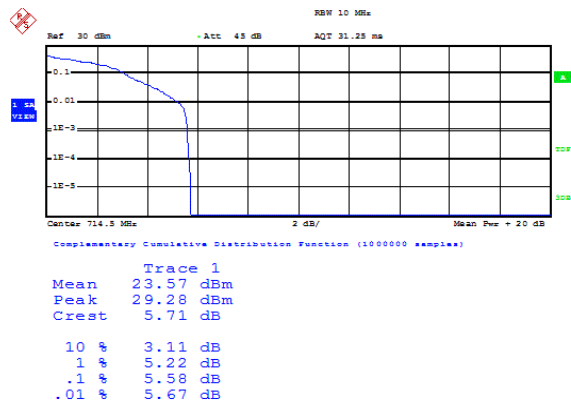
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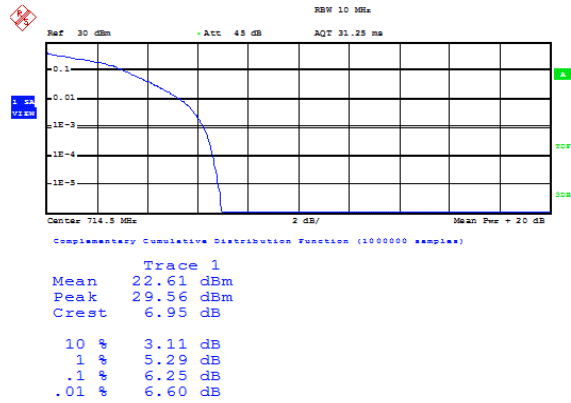
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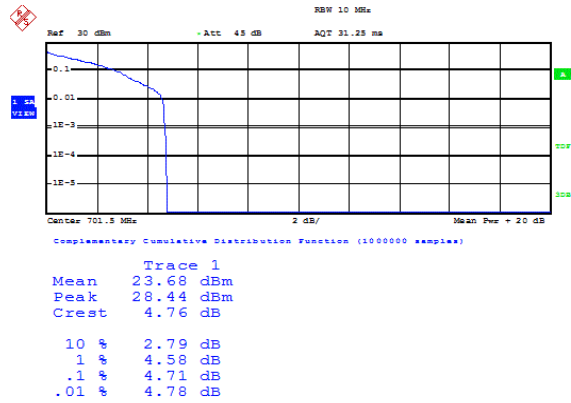
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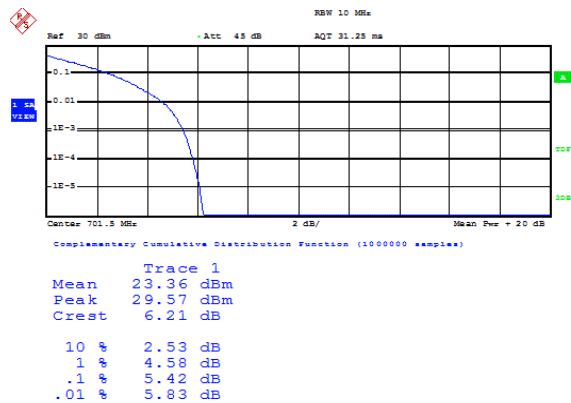
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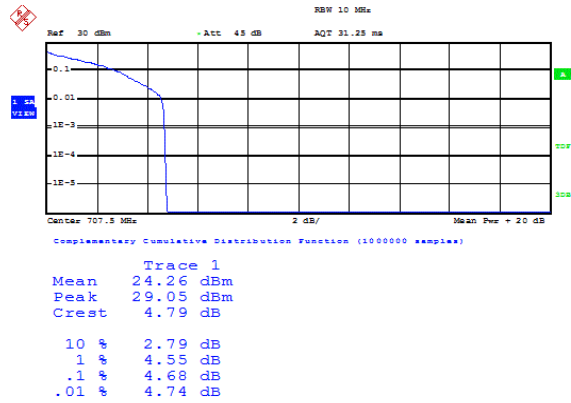
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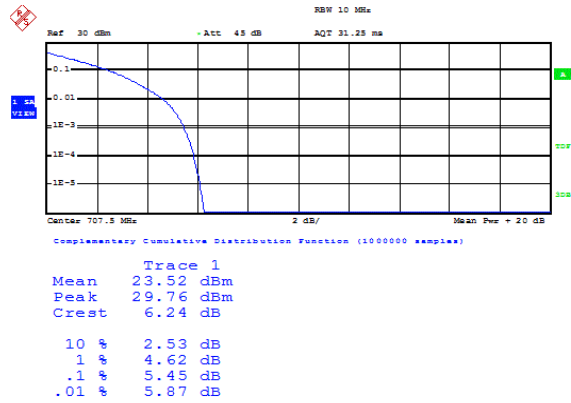
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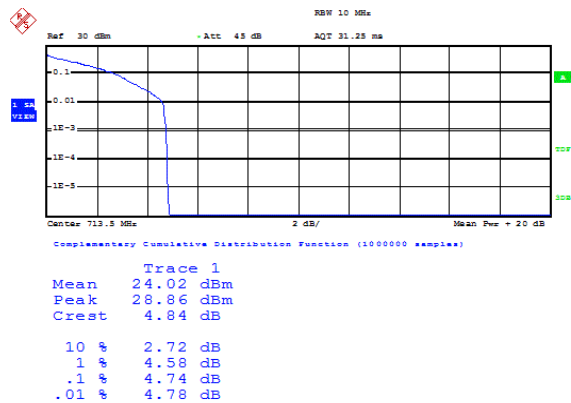
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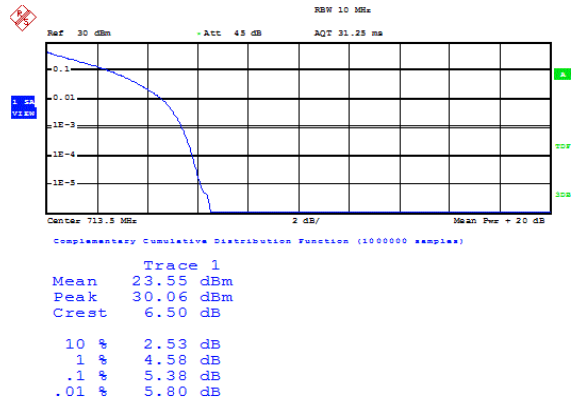
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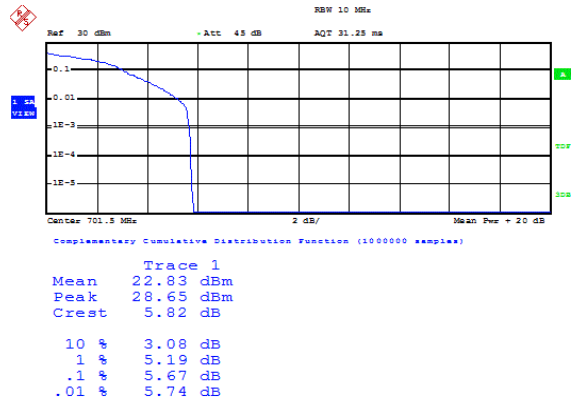
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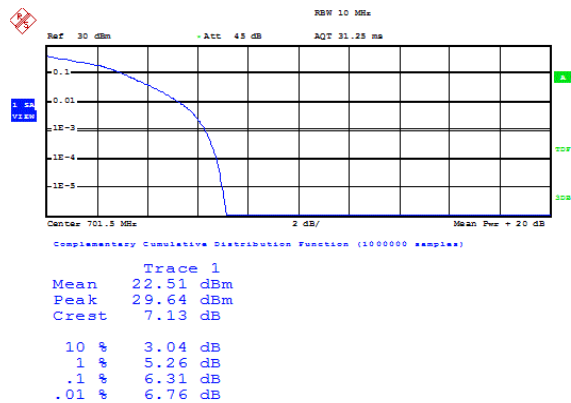
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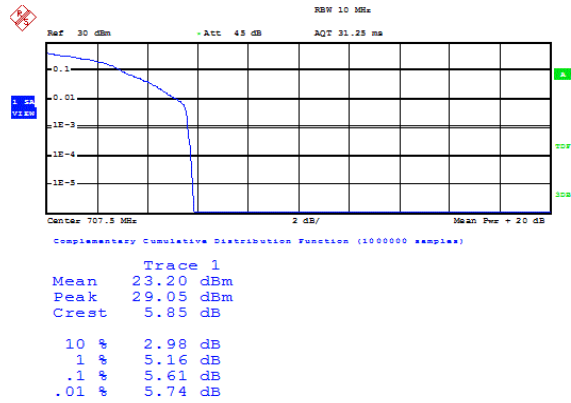
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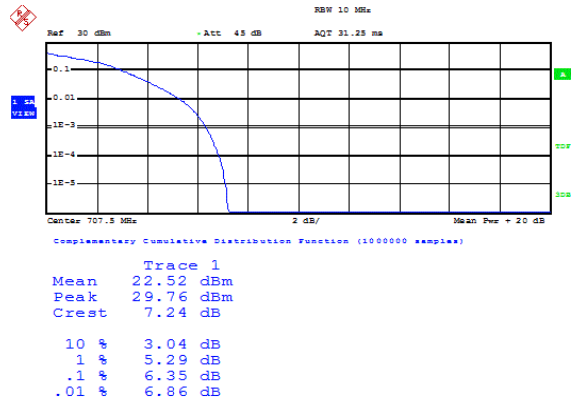
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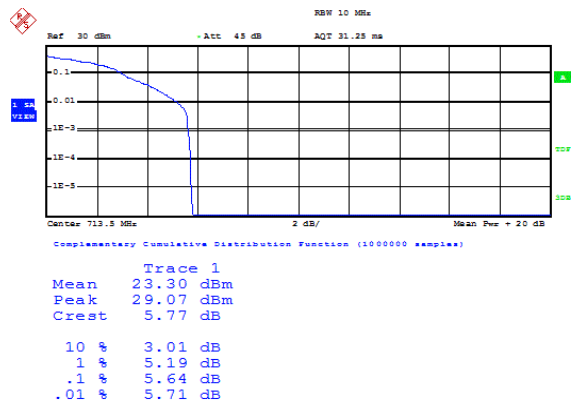
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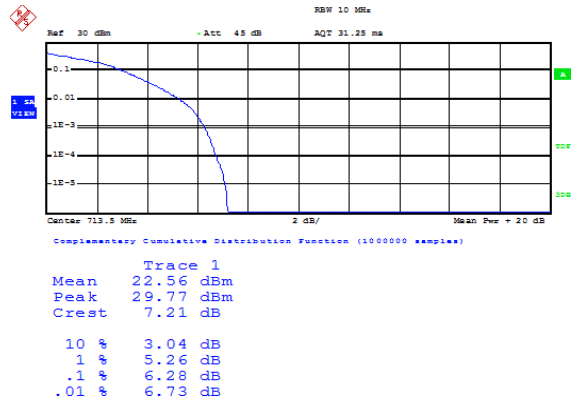
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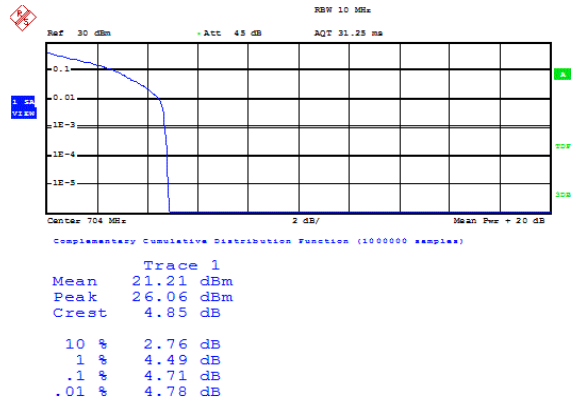
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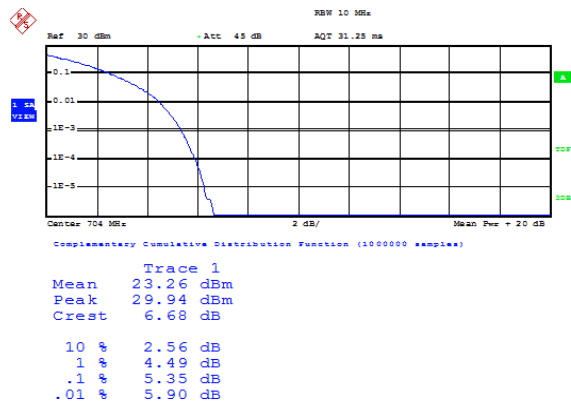
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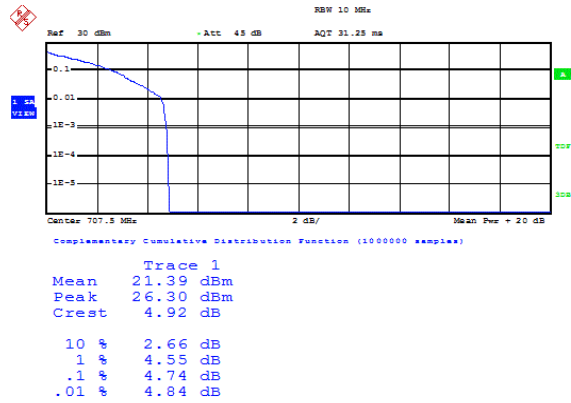
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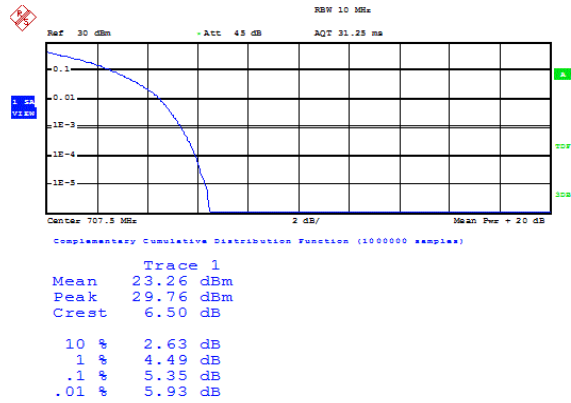
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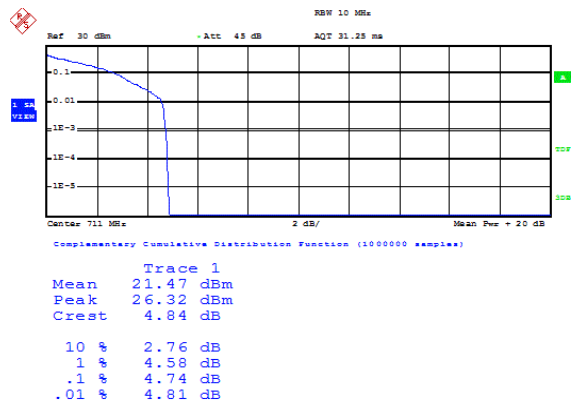
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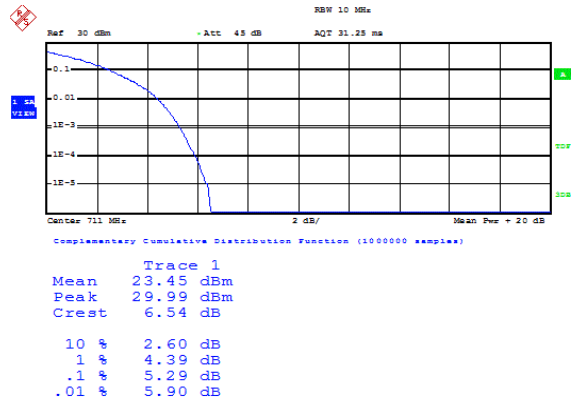
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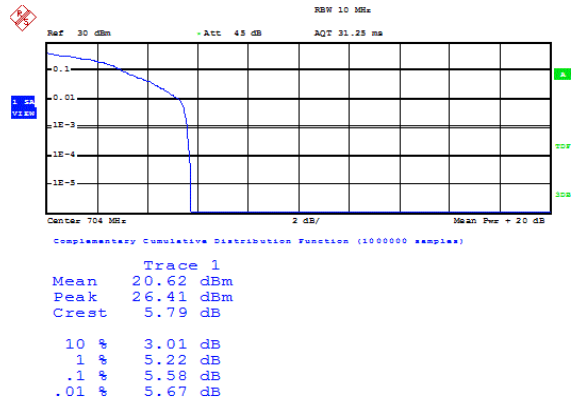
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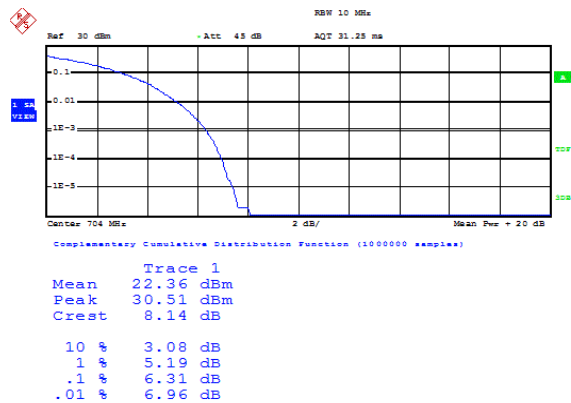
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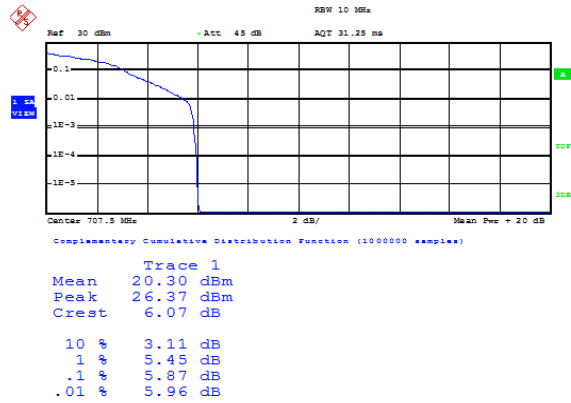
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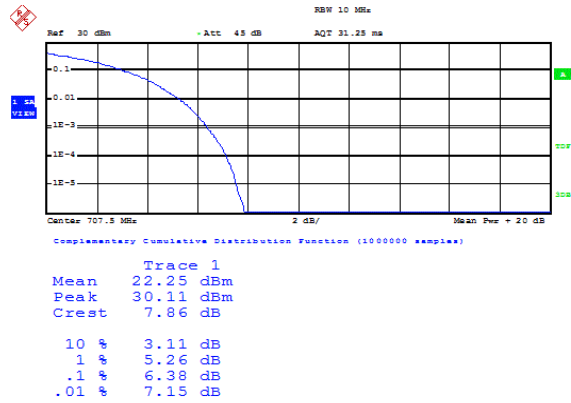
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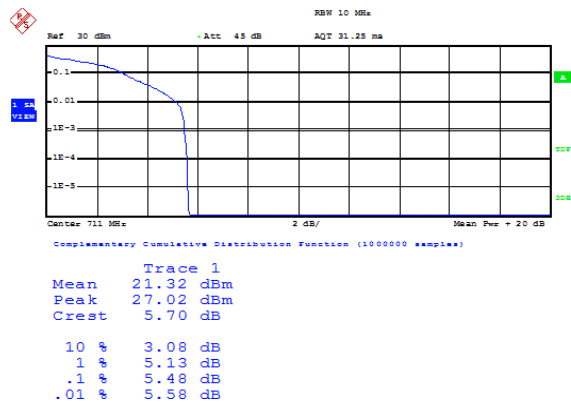
Date: 30.OCT.2020 19:28:03

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



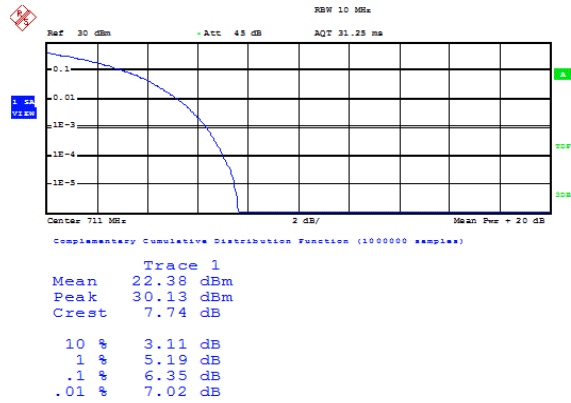
Date: 30.OCT.2020 19:28:20

Band12-10MHz-16QAM-23130-1RB#0



Date: 30.OCT.2020 19:28:40

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



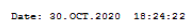
Date: 30.OCT.2020 19:28:58

1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

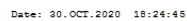
Test Result

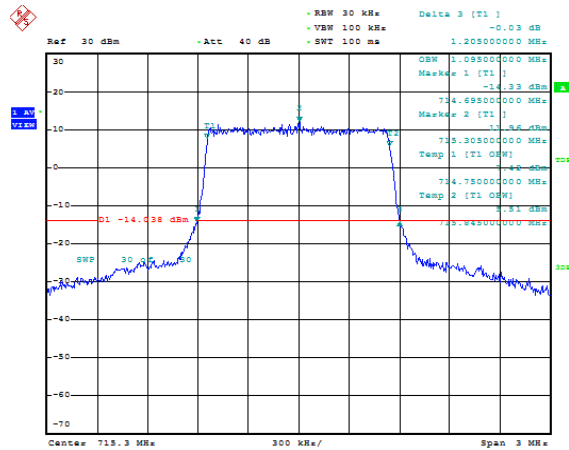
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.095	1.225	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.095	1.230	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.095	1.245	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.095	1.235	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.095	1.235	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.095	1.205	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.683	2.971	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.71	2.880	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.71	2.870	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.69	2.860	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7	2.860	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7	2.870	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.503	4.968	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5	4.790	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5	4.780	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.51	4.800	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.51	4.800	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.52	4.780	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.006	9.872	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.967	9.667	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.967	9.700	PASS
Band12	10MHz	16QAM	23060	50RB#0	9	9.700	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.967	9.667	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.967	9.667	PASS

Band12-1.4MHz-QPSK-23017-6RB#0-1.095



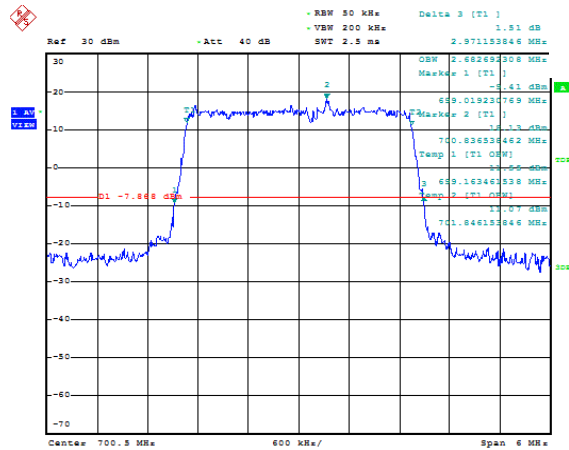
 • RBW 30 kHz Delta 3 [T1]
 • VBW 100 kHz 0.50 dB





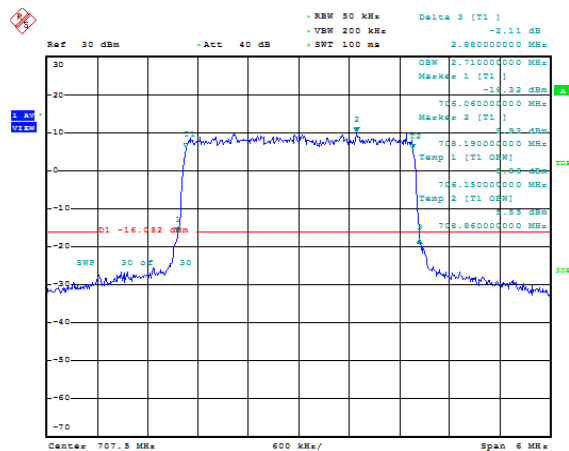
Date: 30.OCT.2020 18:25:19

Band12-3MHz-QPSK-23025-15RB#0-2.683



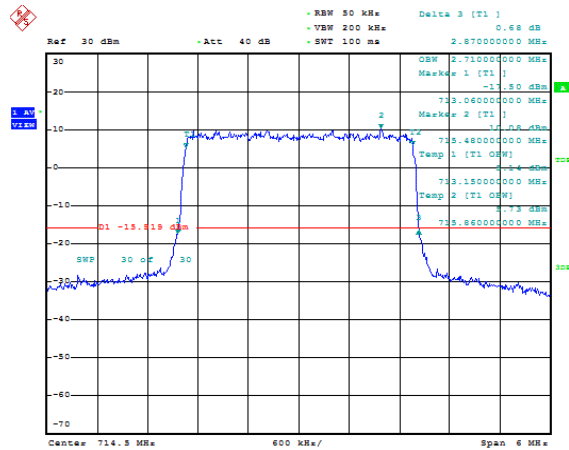
Date: 30.OCT.2020 18:41:31

Band12-3MHz-QPSK-23095-15RB#0-2.71



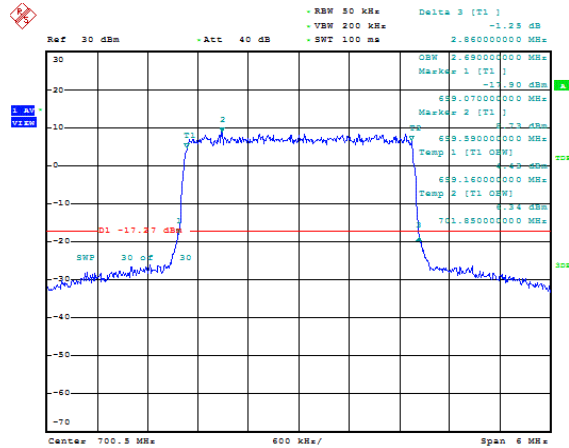
Date: 30.OCT.2020 18:41:54

Band12-3MHz-QPSK-23165-15RB#0-2.71



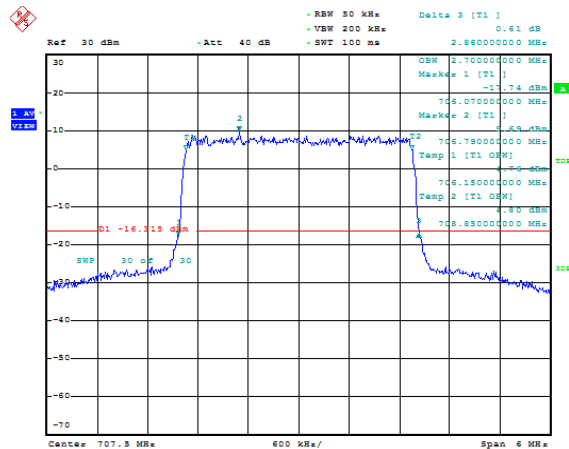
Date: 30.OCT.2020 18:42:16

Band12-3MHz-16QAM-23025-15RB#0-2.69



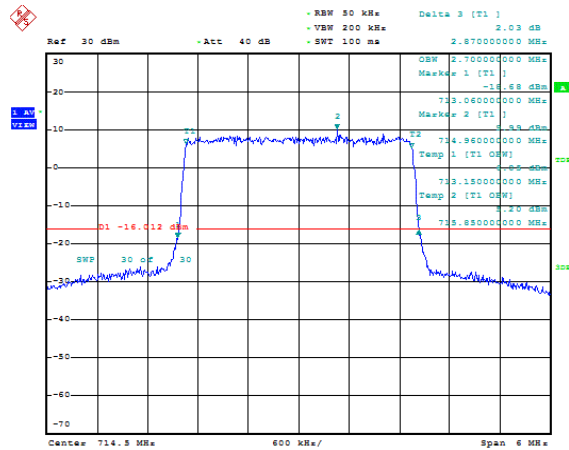
Date: 30.OCT.2020 18:41:41

Band12-3MHz-16QAM-23095-15RB#0-2.7



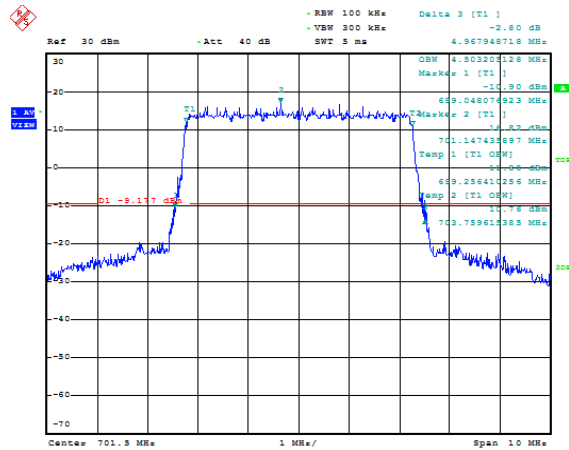
Date: 30.OCT.2020 18:42:04

Band12-3MHz-16QAM-23165-15RB#0-2.7



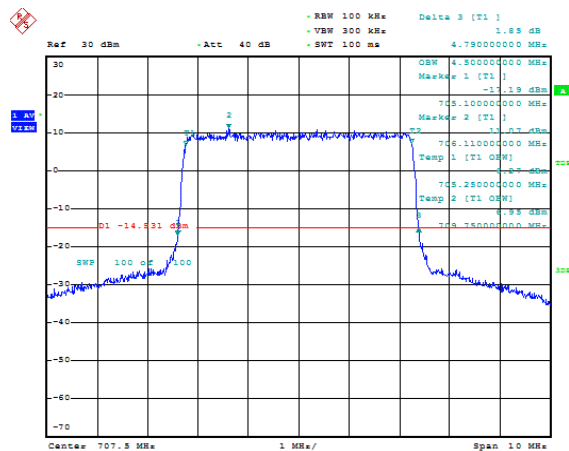
Date: 30.OCT.2020 18:42:26

Band12-5MHz-QPSK-23035-25RB#0-4.503



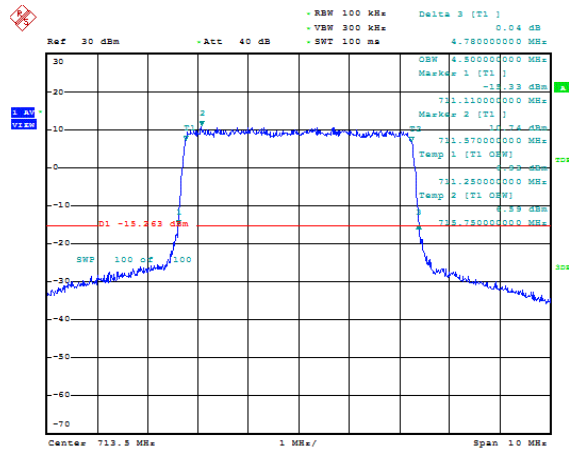
Date: 30.OCT.2020 18:58:44

Band12-5MHz-QPSK-23095-25RB#0-4.5



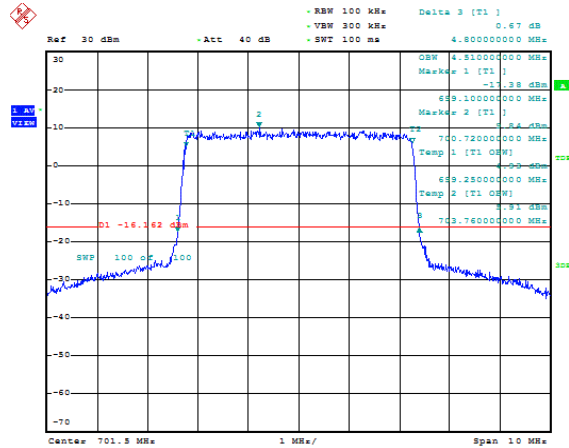
Date: 30.OCT.2020 18:59:21

Band12-5MHz-QPSK-23155-25RB#0-4.5



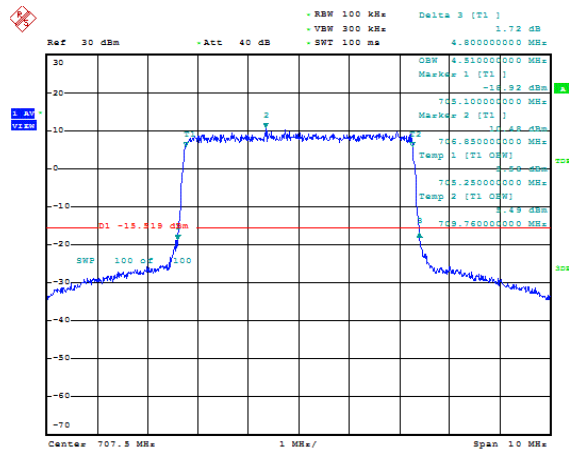
Date: 30.OCT.2020 18:59:58

Band12-5MHz-16QAM-23035-25RB#0-4.51



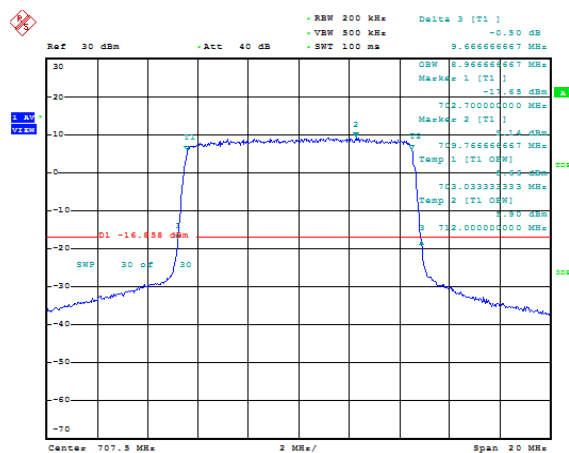
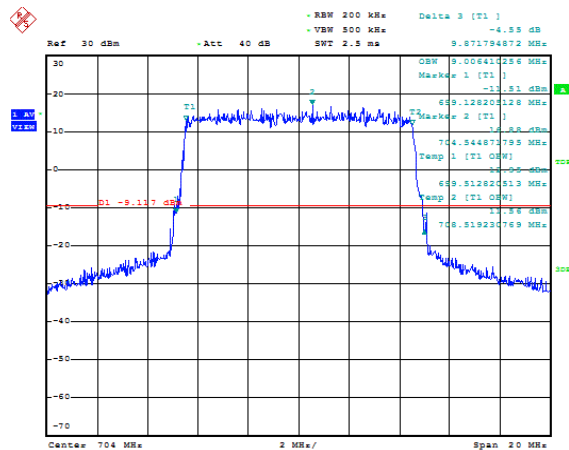
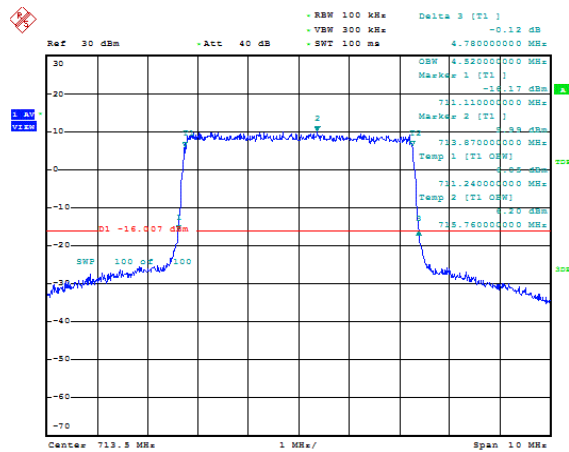
Date: 30.OCT.2020 18:59:02

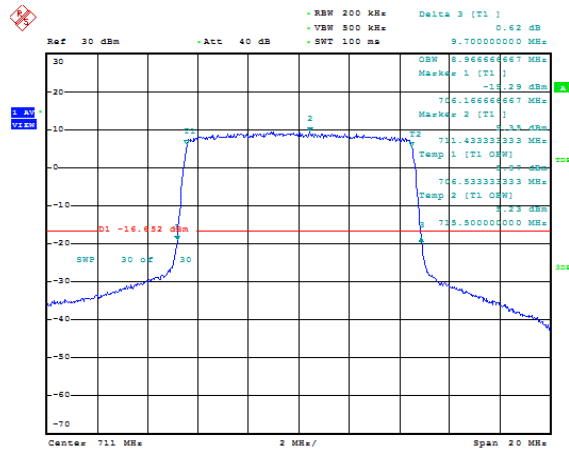
Band12-5MHz-16QAM-23095-25RB#0-4.51



Date: 30.OCT.2020 18:59:39

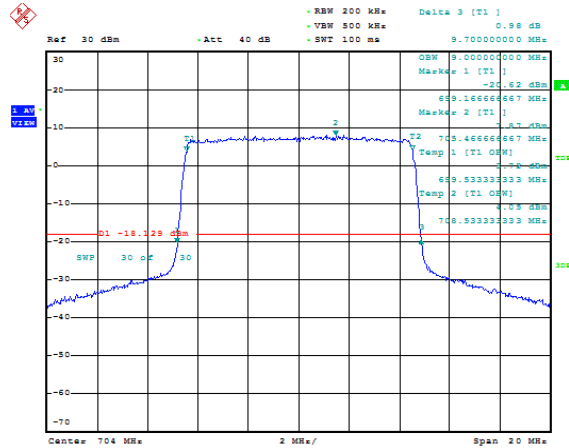
Band12-5MHz-16QAM-23155-25RB#0-4.52





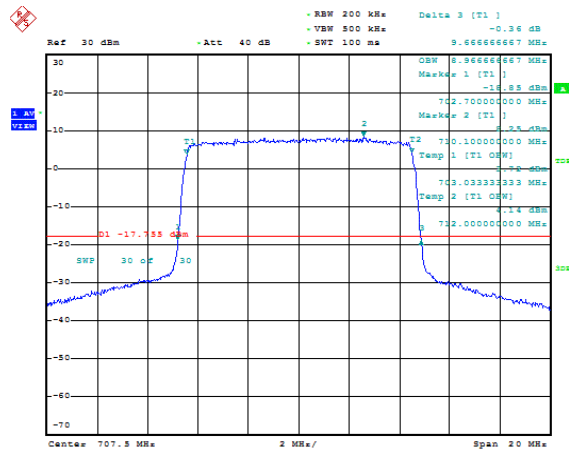
Date: 30.OCT.2020 19:17:44

Band12-10MHz-16QAM-23060-50RB#0-9



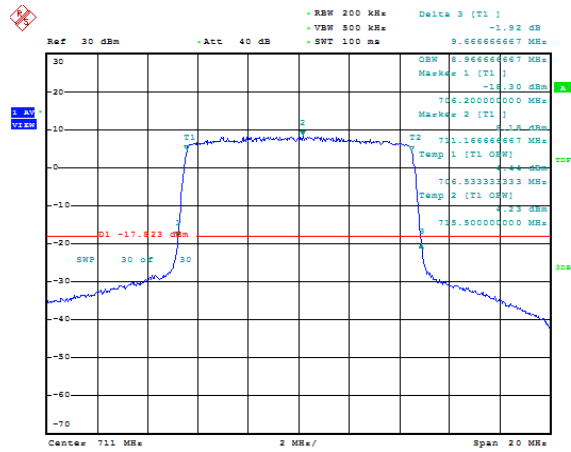
Date: 30.OCT.2020 19:16:59

Band12-10MHz-16QAM-23095-50RB#0-8.967



Date: 30.OCT.2020 19:17:21

Band12-10MHz-16QAM-23130-50RB#0-8.967



Date: 30.OCT.2020 19:17:46

1.4. Appendix D: Band Edge

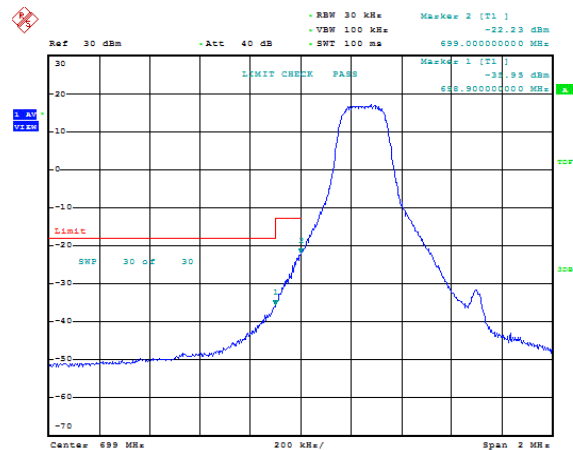
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-35.95,-22.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-50.73,-50.40	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-27.92,-25.62	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-50.09,-44.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-19.74,-29.18	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.68,-29.07	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-35.66,-23.20	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-51.44,-51.00	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-27.77,-26.15	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-50.77,-44.93	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-21.93,-30.86	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-26.64,-28.61	PASS
Band12	3MHz	QPSK	23025	1RB#0	-31.59,-20.04	PASS
Band12	3MHz	QPSK	23025	1RB#14	-44.63,-50.00	PASS
Band12	3MHz	QPSK	23025	15RB#0	-29.30,-25.68	PASS
Band12	3MHz	QPSK	23165	1RB#0	-50.24,-43.69	PASS
Band12	3MHz	QPSK	23165	1RB#14	-18.35,-29.10	PASS
Band12	3MHz	QPSK	23165	15RB#0	-25.98,-30.29	PASS
Band12	3MHz	16QAM	23025	1RB#0	-33.60,-21.28	PASS
Band12	3MHz	16QAM	23025	1RB#14	-45.60,-50.73	PASS
Band12	3MHz	16QAM	23025	15RB#0	-29.16,-26.59	PASS
Band12	3MHz	16QAM	23165	1RB#0	-50.79,-44.47	PASS
Band12	3MHz	16QAM	23165	1RB#14	-20.43,-31.62	PASS
Band12	3MHz	16QAM	23165	15RB#0	-26.68,-29.78	PASS
Band12	5MHz	QPSK	23035	1RB#0	-33.77,-22.46	PASS
Band12	5MHz	QPSK	23035	1RB#24	-50.33,-49.39	PASS
Band12	5MHz	QPSK	23035	25RB#0	-28.22,-26.18	PASS
Band12	5MHz	QPSK	23155	1RB#0	-49.57,-50.33	PASS
Band12	5MHz	QPSK	23155	1RB#24	-21.22,-32.79	PASS
Band12	5MHz	QPSK	23155	25RB#0	-26.71,-29.20	PASS
Band12	5MHz	16QAM	23035	1RB#0	-35.08,-24.21	PASS
Band12	5MHz	16QAM	23035	1RB#24	-50.41,-49.92	PASS
Band12	5MHz	16QAM	23035	25RB#0	-28.54,-26.72	PASS

Band12	5MHz	16QAM	23155	1RB#0	-49.99,-50.34	PASS
Band12	5MHz	16QAM	23155	1RB#24	-21.85,-33.08	PASS
Band12	5MHz	16QAM	23155	25RB#0	-26.89,-29.18	PASS
Band12	10MHz	QPSK	23060	1RB#0	-23.20,-16.98	PASS
Band12	10MHz	QPSK	23060	1RB#49	-49.24,-48.28	PASS
Band12	10MHz	QPSK	23060	50RB#0	-28.47,-27.28	PASS
Band12	10MHz	QPSK	23130	1RB#0	-48.26,-49.16	PASS
Band12	10MHz	QPSK	23130	1RB#49	-13.63,-20.18	PASS
Band12	10MHz	QPSK	23130	50RB#0	-27.06,-28.70	PASS
Band12	10MHz	16QAM	23060	1RB#0	-23.97,-17.69	PASS
Band12	10MHz	16QAM	23060	1RB#49	-49.72,-48.96	PASS
Band12	10MHz	16QAM	23060	50RB#0	-28.86,-27.97	PASS
Band12	10MHz	16QAM	23130	1RB#0	-48.74,-49.36	PASS
Band12	10MHz	16QAM	23130	1RB#49	-14.38,-20.82	PASS
Band12	10MHz	16QAM	23130	50RB#0	-27.56,-28.92	PASS

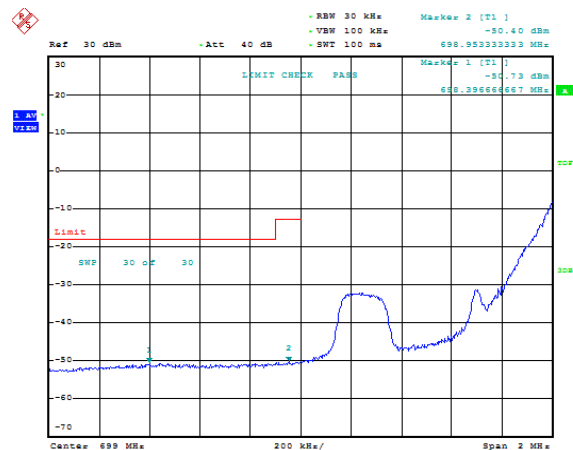
Test Graphs

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



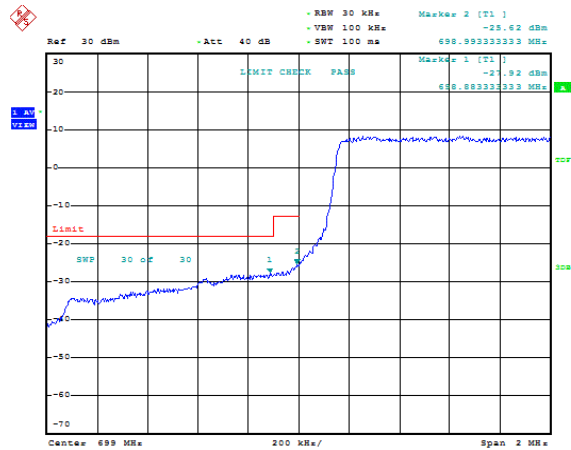
Date: 30.OCT.2020 18:25:36

Band12-1.4MHz-QPSK-23017-1RB#5



Date: 30.OCT.2020 18:25:57

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



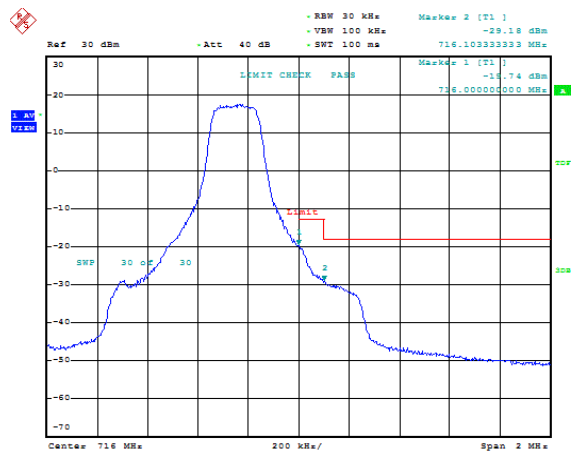
Date: 30.OCT.2020 18:26:18

Band12-1.4MHz-QPSK-23173-1RB#0



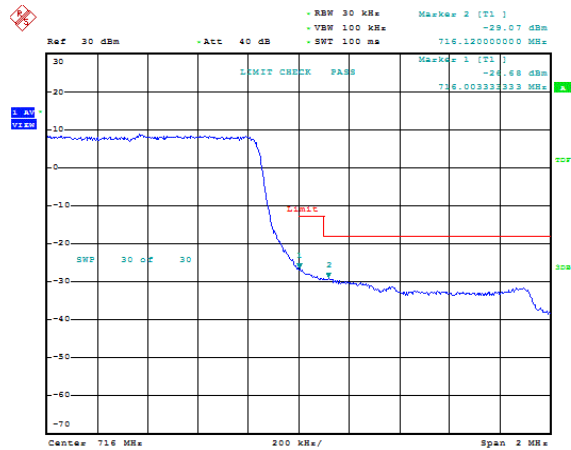
Date: 30.OCT.2020 18:26:53

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



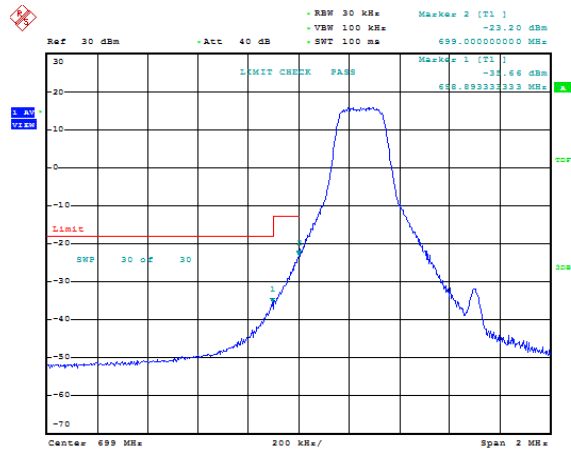
Date: 30.OCT.2020 18:27:13

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



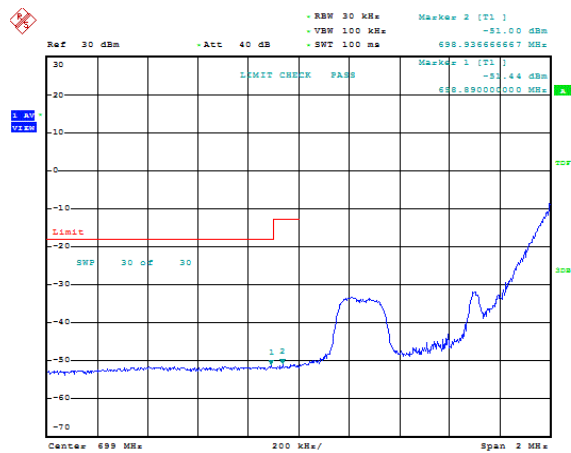
Date: 30.OCT.2020 18:27:45

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



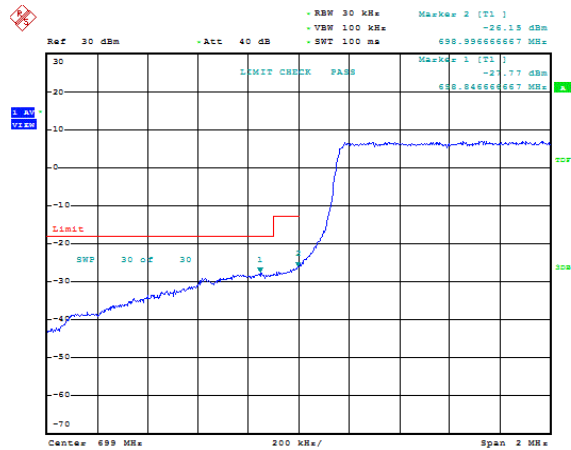
Date: 30.OCT.2020 18:25:47

Band12-1.4MHz-16QAM-23017-1RB#5



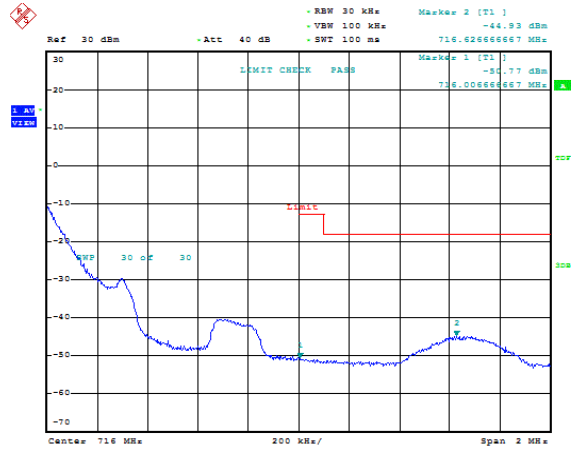
Date: 30.OCT.2020 18:26:07

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



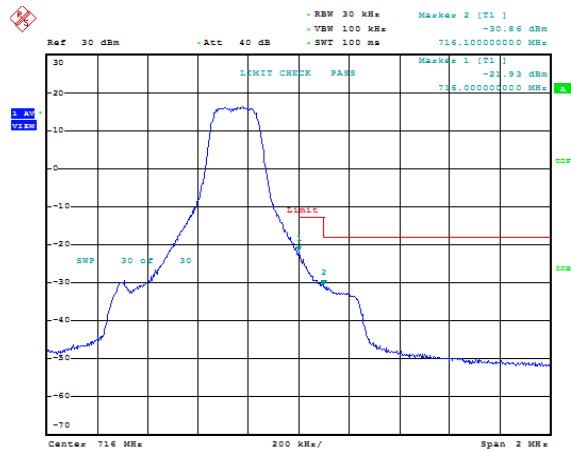
Date: 30.OCT.2020 18:26:28

Band12-1.4MHz-16QAM-23173-1RB#0



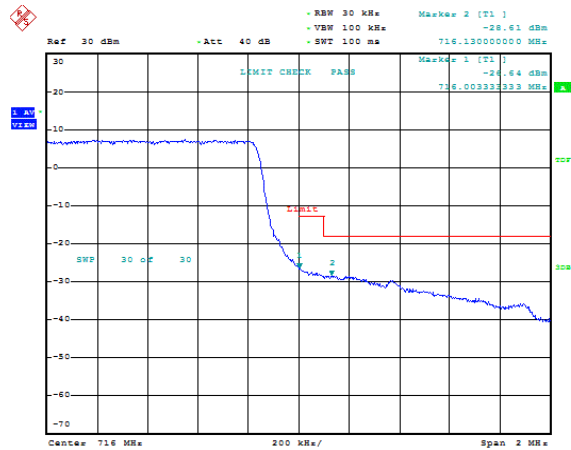
Date: 30.OCT.2020 18:27:03

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



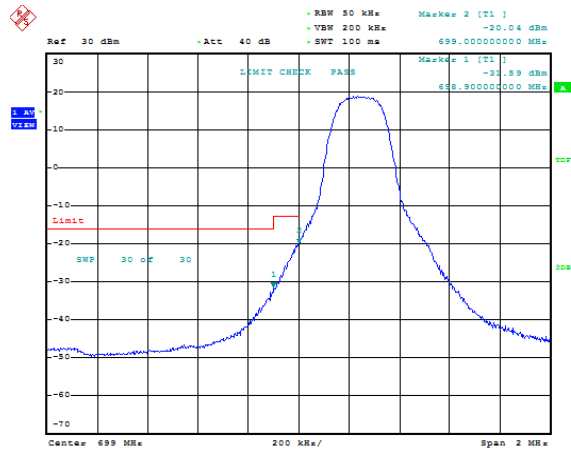
Date: 30.OCT.2020 18:27:24

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



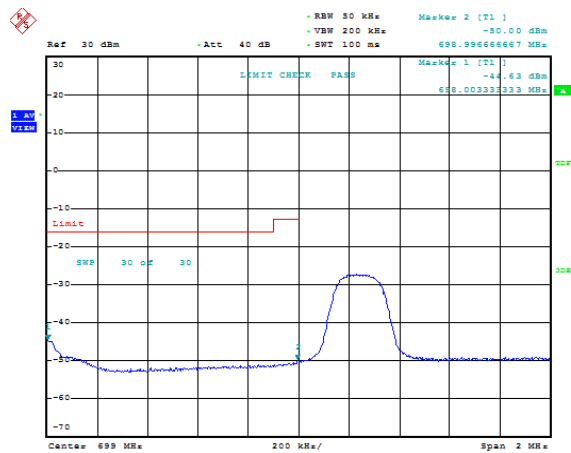
Date: 30.OCT.2020 18:27:45

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



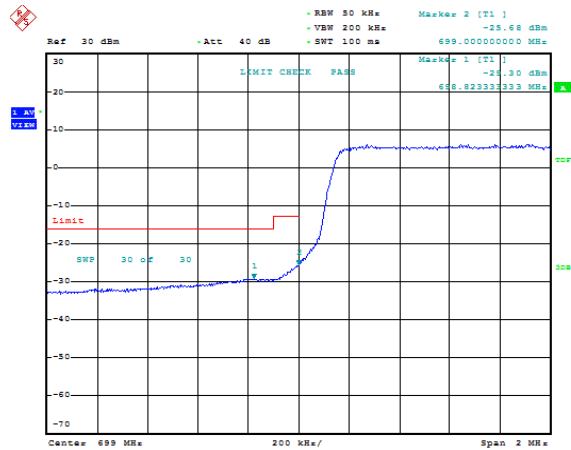
Date: 30.OCT.2020 18:42:44

Band12-3MHz-QPSK-23025-1RB#14



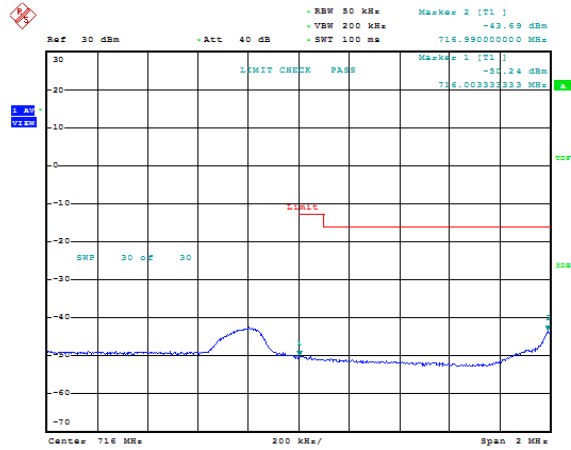
Date: 30.OCT.2020 18:49:04

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



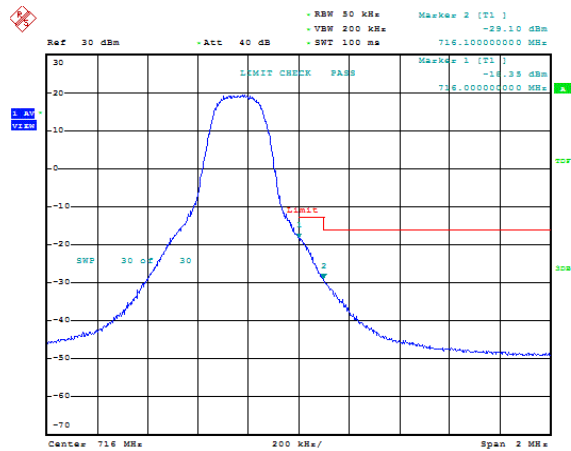
Date: 30.OCT.2020 18:43:25

Band12-3MHz-QPSK-23165-1RB#0



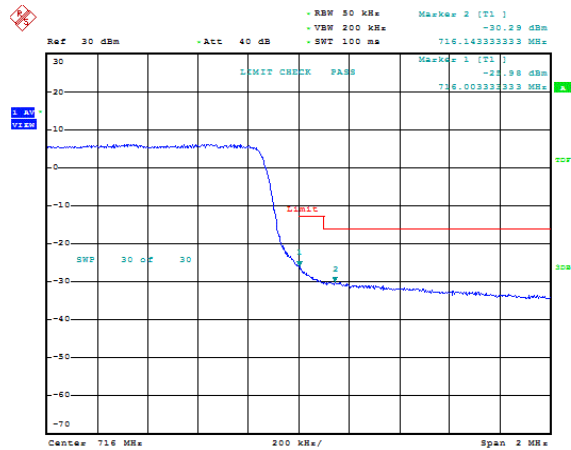
Date: 30.OCT.2020 18:43:59

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



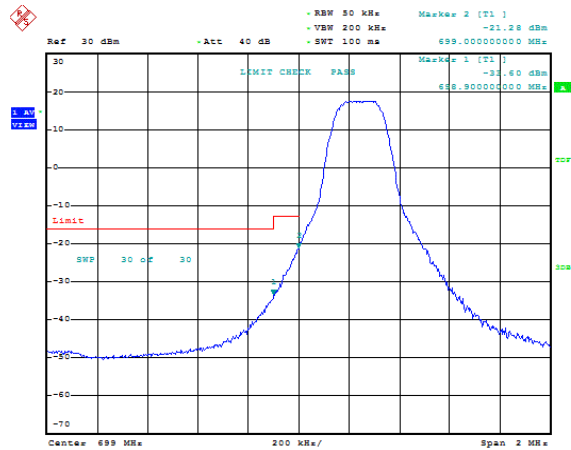
Date: 30.OCT.2020 18:44:20

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



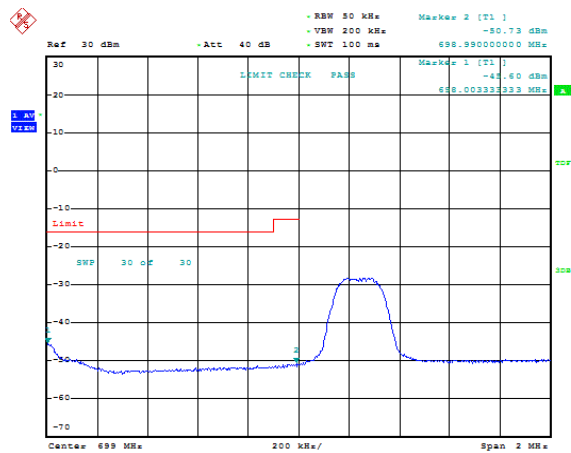
Date: 30.OCT.2020 18:44:40

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



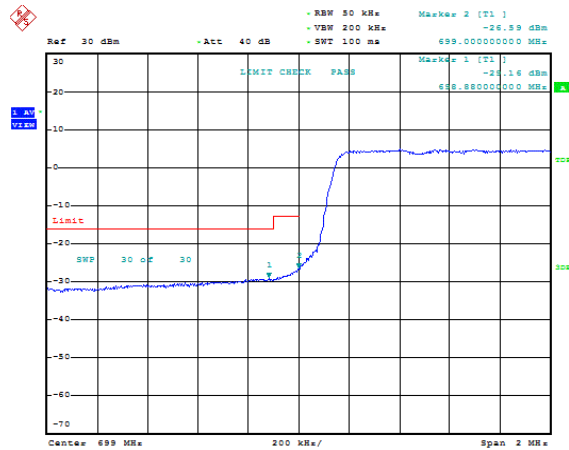
Date: 30.OCT.2020 18:42:54

Band12-3MHz-16QAM-23025-1RB#14



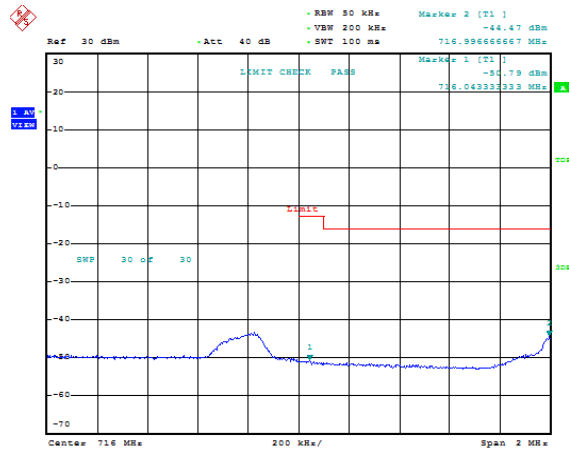
Date: 30.OCT.2020 18:43:14

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



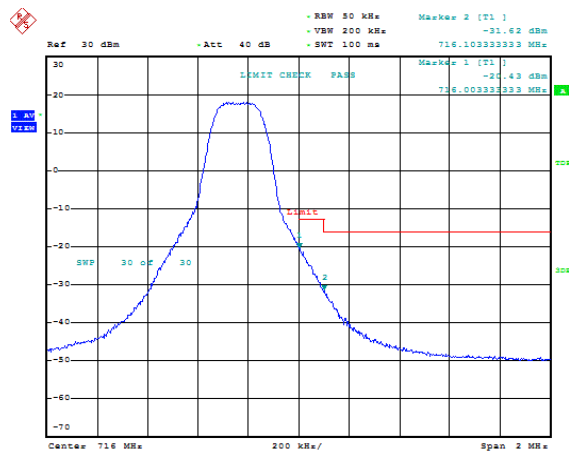
Date: 30.OCT.2020 18:43:35

Band12-3MHz-16QAM-23165-1RB#0



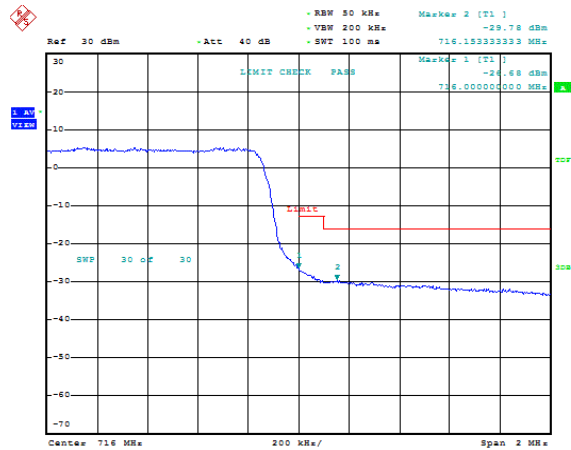
Date: 30.OCT.2020 18:44:09

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



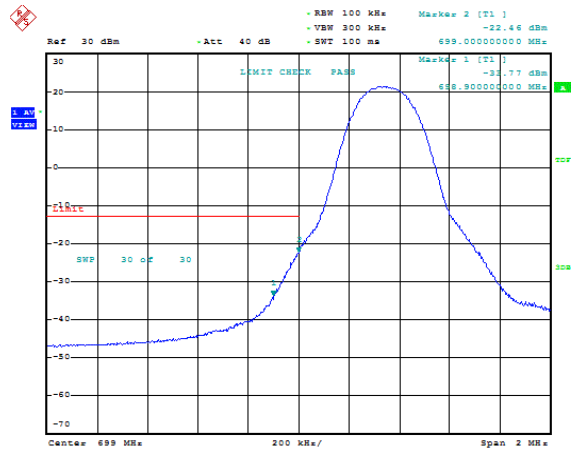
Date: 30.OCT.2020 18:44:30

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



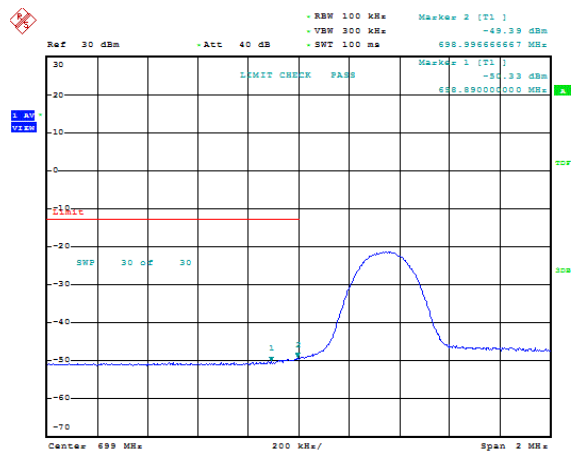
Date: 30.OCT.2020 18:44:51

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



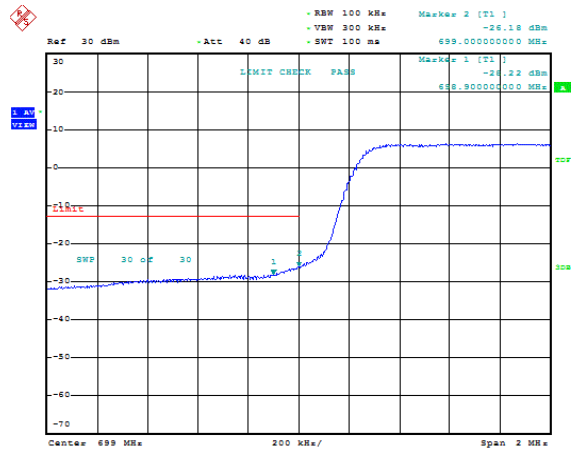
Date: 30.OCT.2020 19:00:33

Band12-5MHz-QPSK-23035-1RB#24



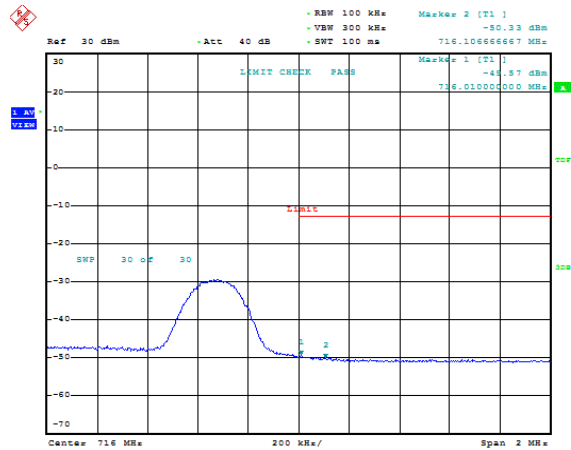
Date: 30.OCT.2020 19:00:54

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



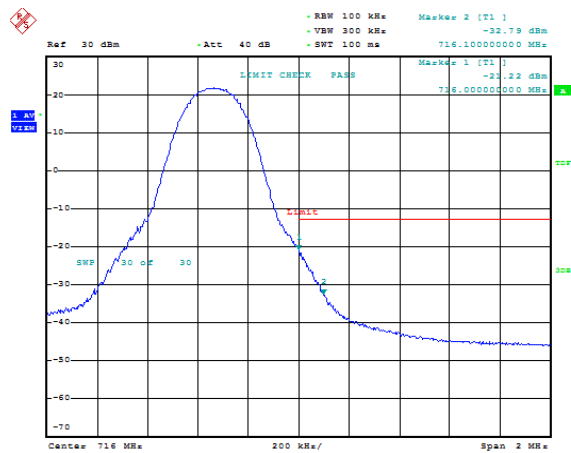
Date: 30.OCT.2020 19:01:15

Band12-5MHz-QPSK-23155-1RB#0



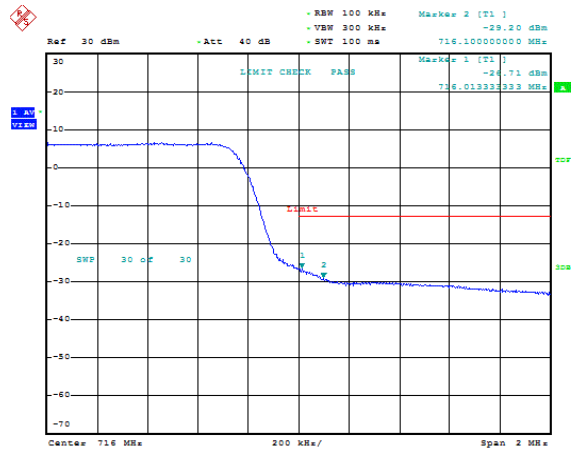
Date: 30.OCT.2020 19:01:49

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



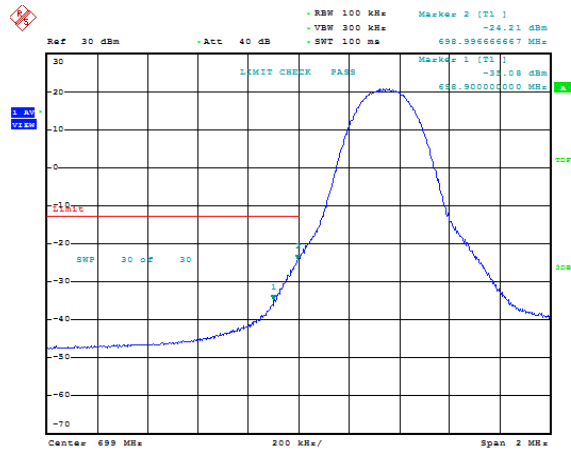
Date: 30.OCT.2020 19:02:10

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



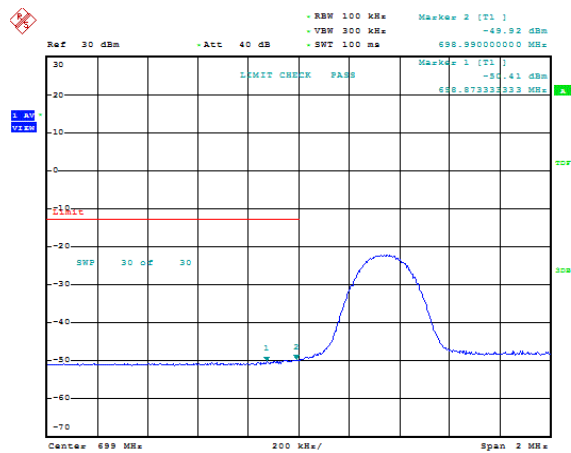
Date: 30.OCT.2020 19:02:31

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



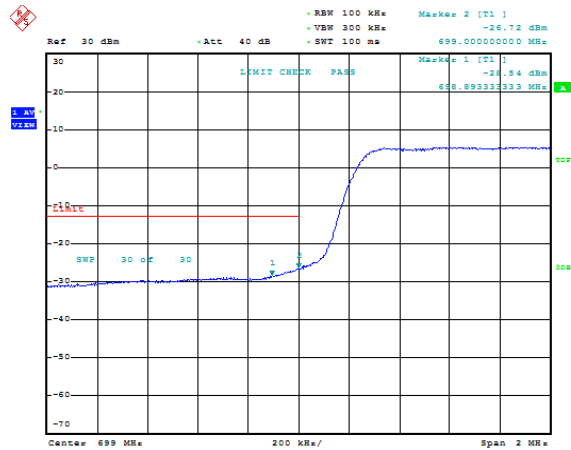
Date: 30.OCT.2020 19:00:43

Band12-5MHz-16QAM-23035-1RB#24



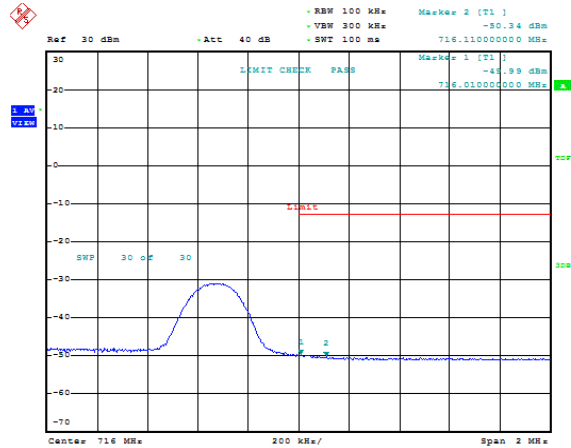
Date: 30.OCT.2020 19:01:04

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



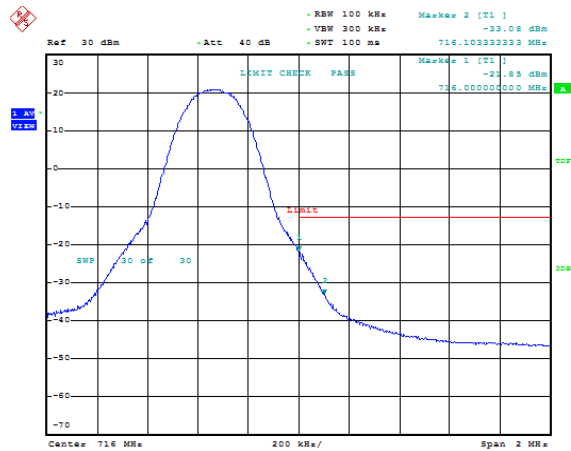
Date: 30.OCT.2020 19:01:25

Band12-5MHz-16QAM-23155-1RB#0



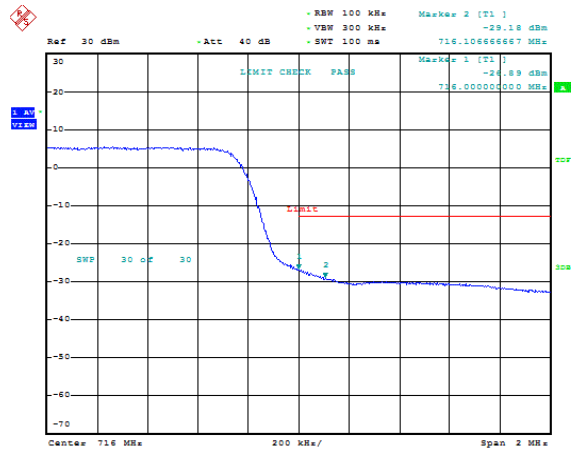
Date: 30.OCT.2020 19:02:00

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



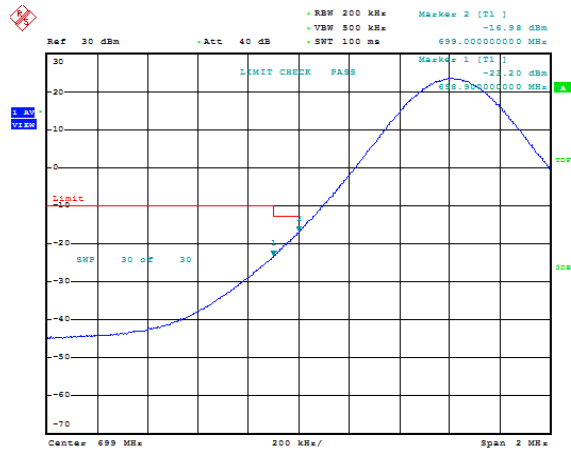
Date: 30.OCT.2020 19:02:20

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



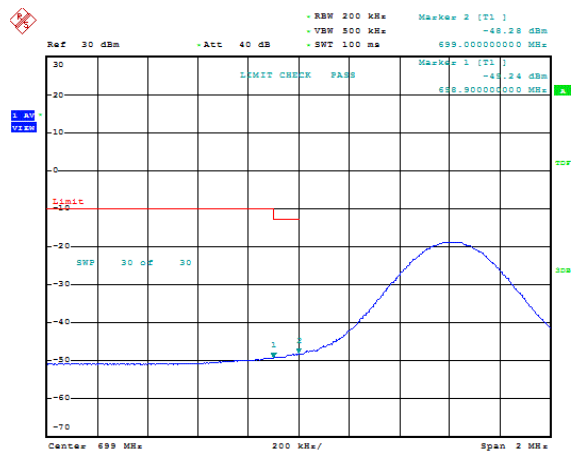
Date: 30.OCT.2020 19:02:41

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



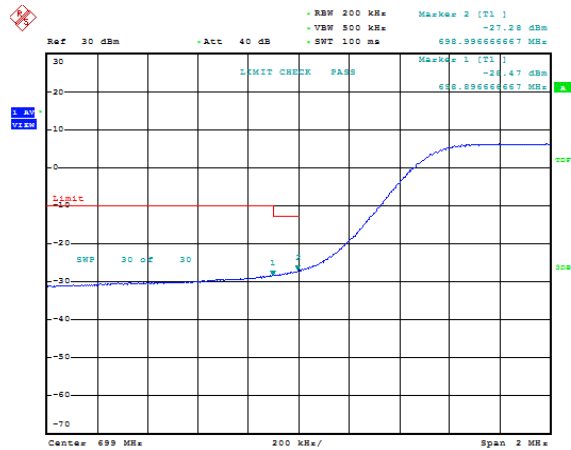
Date: 30.OCT.2020 19:18:01

Band12-10MHz-QPSK-23060-1RB#49



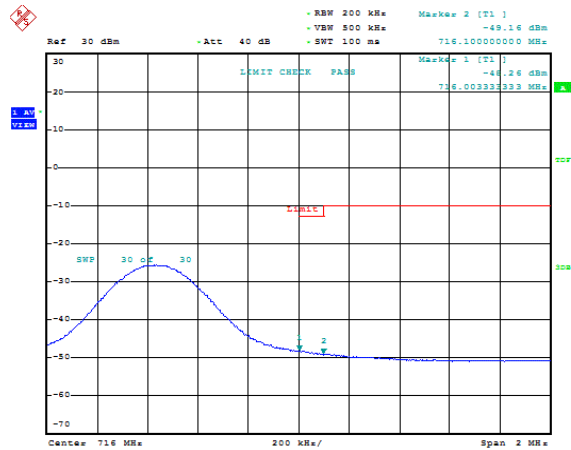
Date: 30.OCT.2020 19:18:22

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



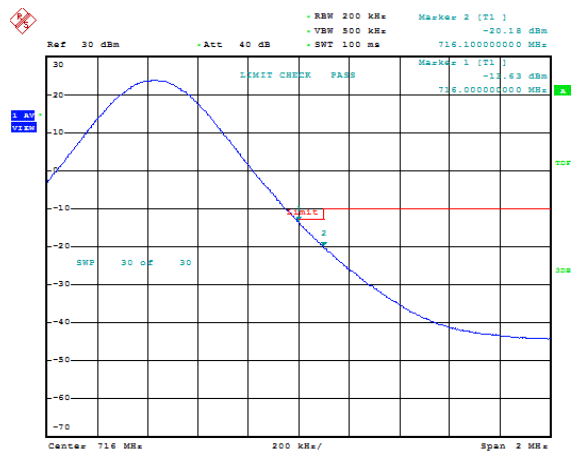
Date: 30.OCT.2020 19:18:44

Band12-10MHz-QPSK-23130-1RB#0



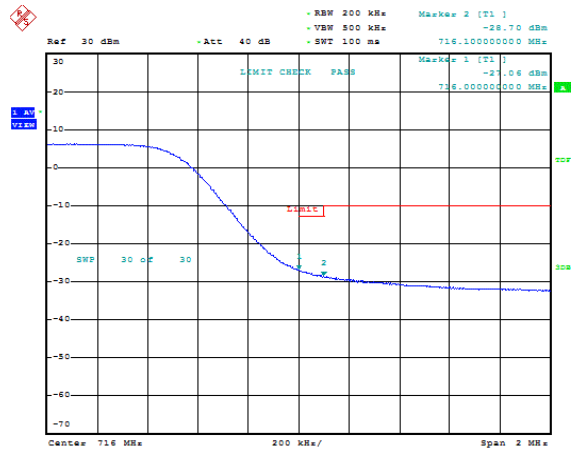
Date: 30.OCT.2020 19:19:18

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



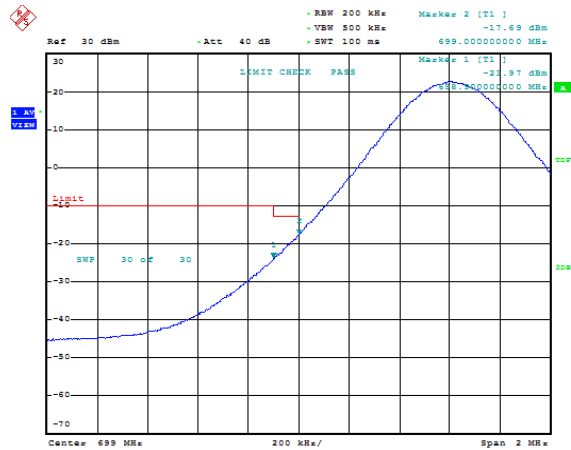
Date: 30.OCT.2020 19:19:39

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



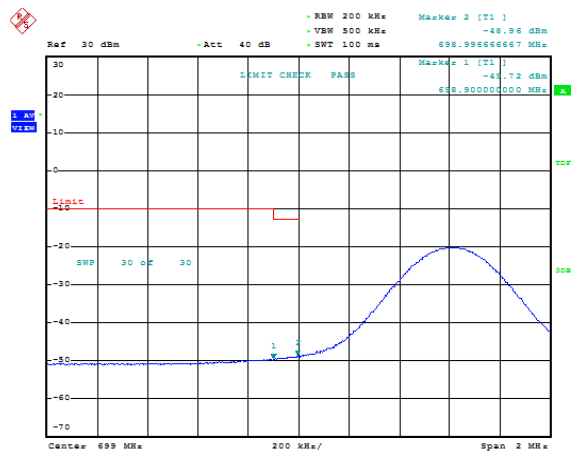
Date: 30.OCT.2020 19:20:01

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



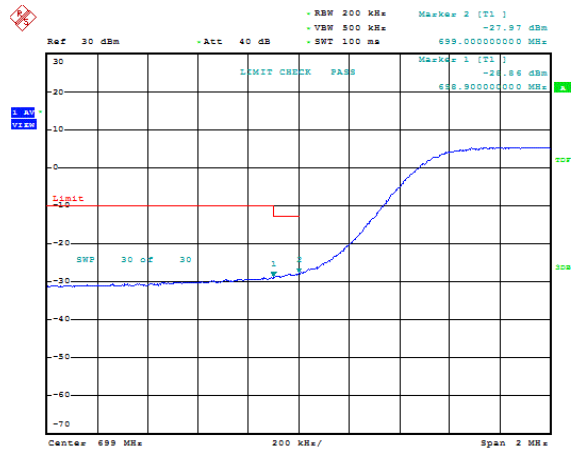
Date: 30.OCT.2020 19:18:12

Band12-10MHz-16QAM-23060-1RB#49



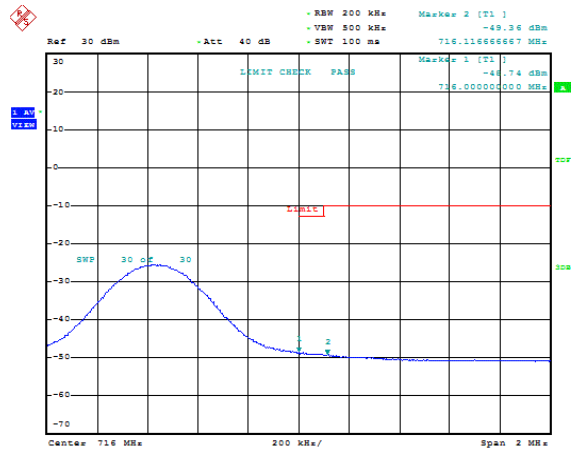
Date: 30.OCT.2020 19:18:33

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



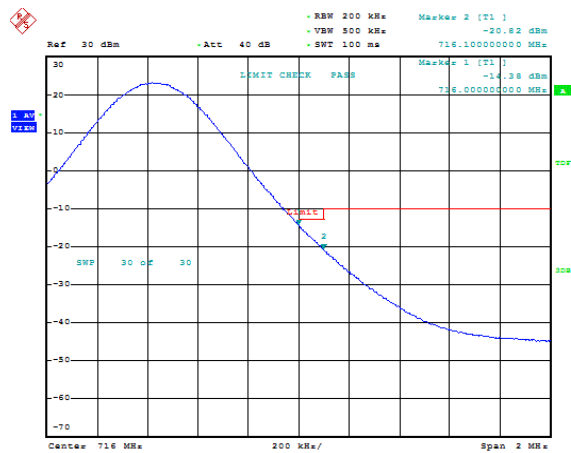
Date: 30.OCT.2020 19:18:56

Band12-10MHz-16QAM-23130-1RB#0



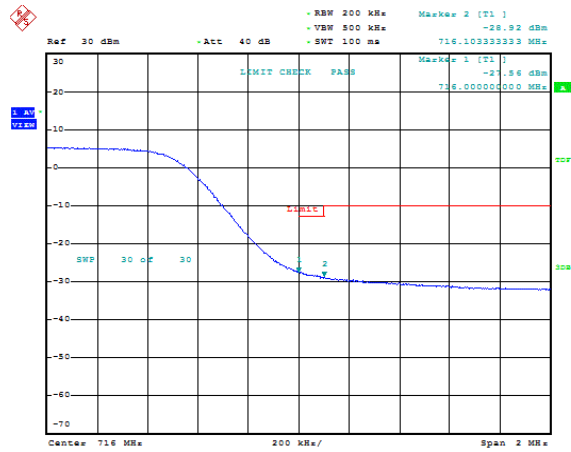
Date: 30.OCT.2020 19:19:29

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



Date: 30.OCT.2020 19:19:50

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



Date: 30.OCT.2020 19:20:11

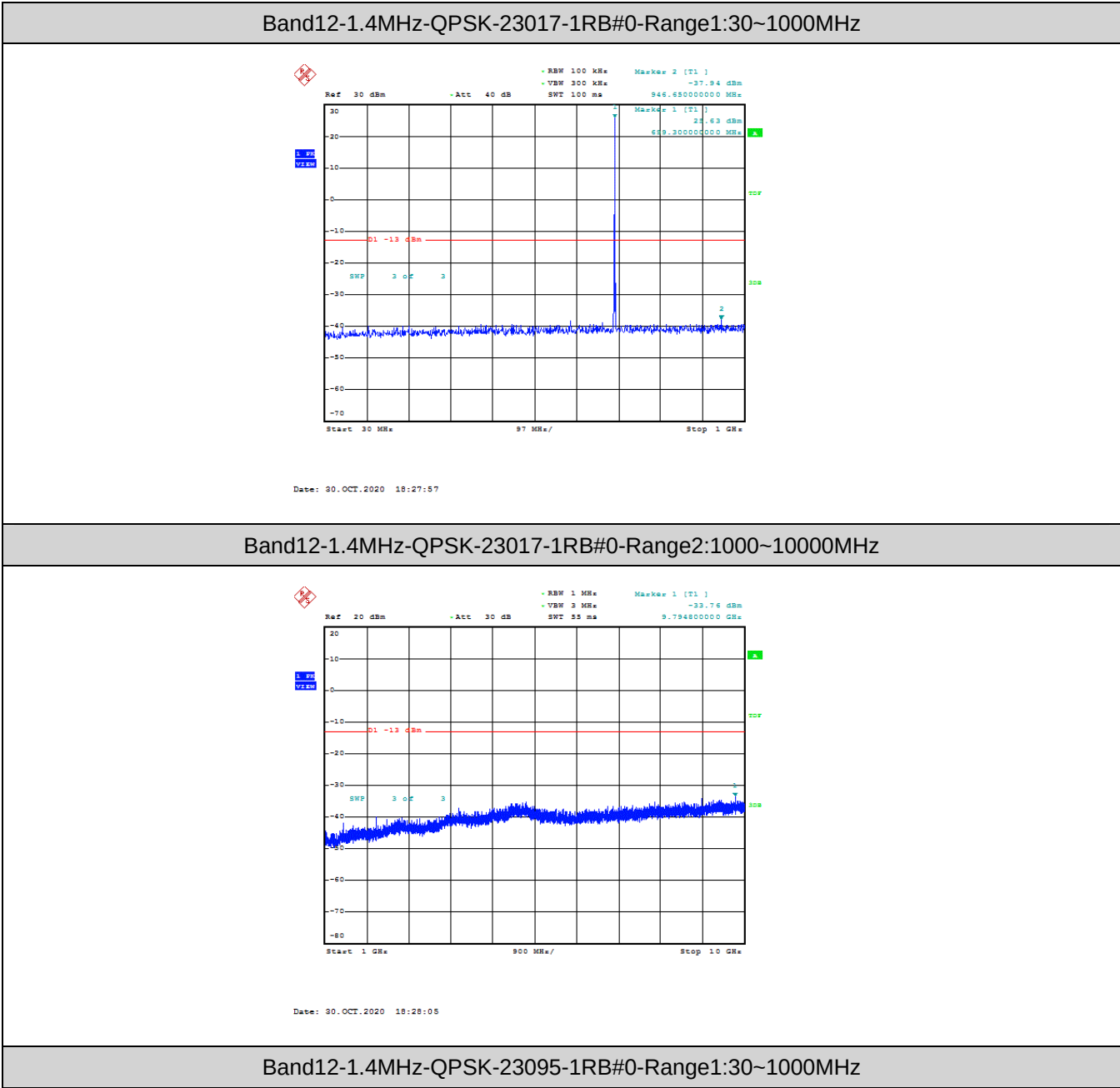
1.5. Appendix E: Conducted Spurious Emission

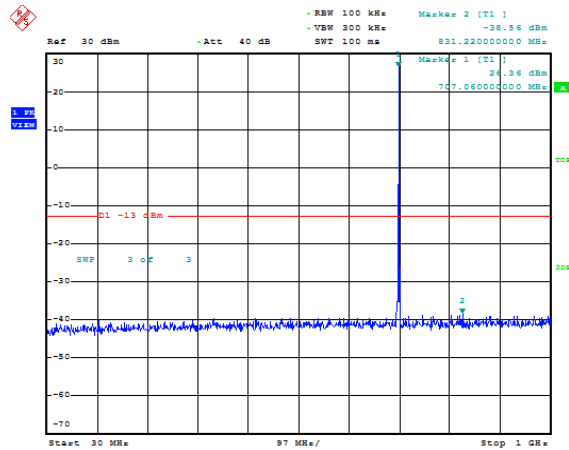
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-37.94	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-33.76	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-38.56	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.83	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-38.48	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-34.24	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-38.12	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-33.85	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-38.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.26	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-38.75	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-34.29	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-37.67	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-33.34	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-38.38	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-34.39	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-38.58	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-33.95	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-38.16	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-33.4	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-38.31	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.09	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-38.55	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-34.26	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-38.46	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-33.9	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-38.59	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.99	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-38.96	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-32.32	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-38.38	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-33.81	PASS

Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-38.61	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-33.24	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-38.86	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-33.72	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-38.58	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-33.57	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-38.65	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.68	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-38.59	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-34.1	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-37.63	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-34.34	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-38.78	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-33.91	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-38.97	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-34.27	PASS

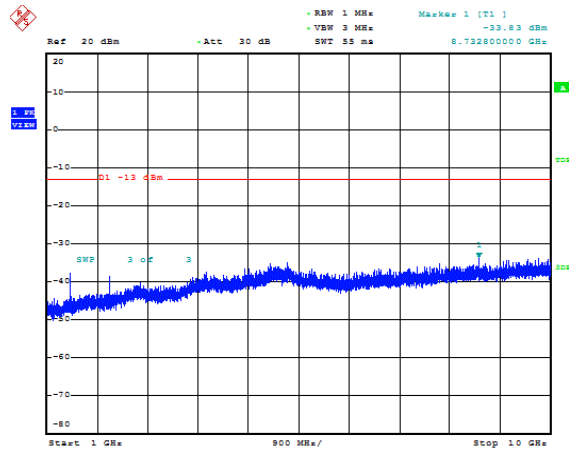
Test Graphs





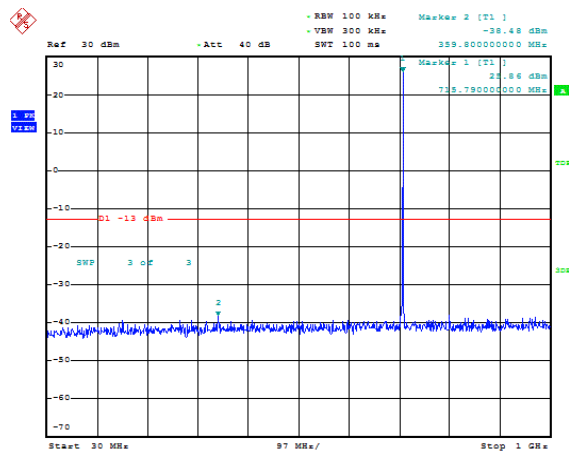
Date: 30.OCT.2020 18:28:55

Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



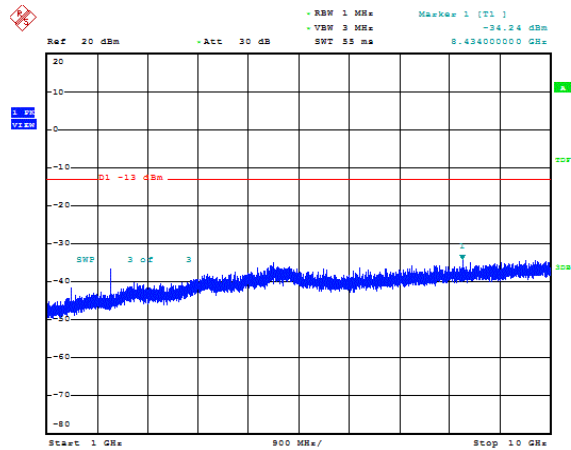
Date: 30.OCT.2020 18:28:43

Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



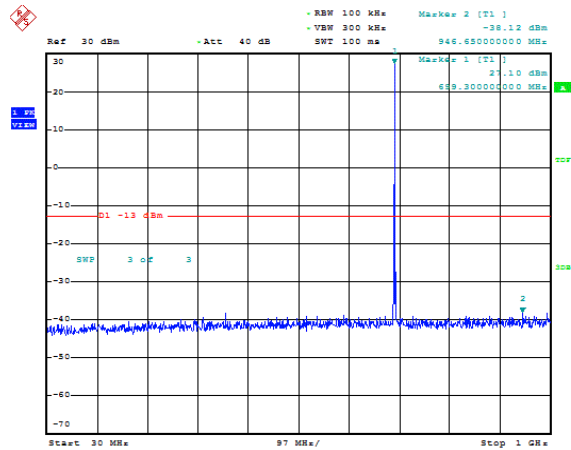
Date: 30.OCT.2020 18:29:12

Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



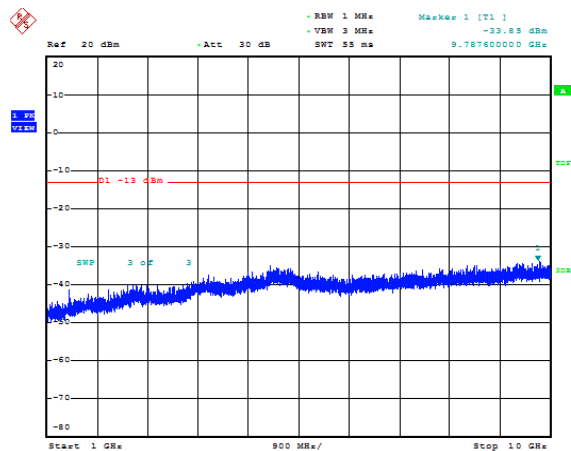
Date: 30.OCT.2020 18:29:20

Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



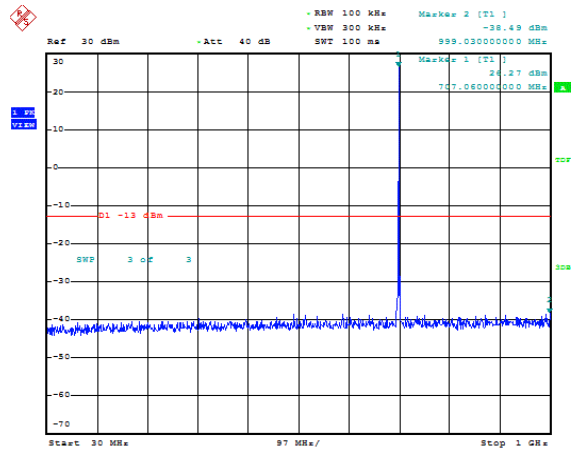
Date: 30.OCT.2020 18:28:15

Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



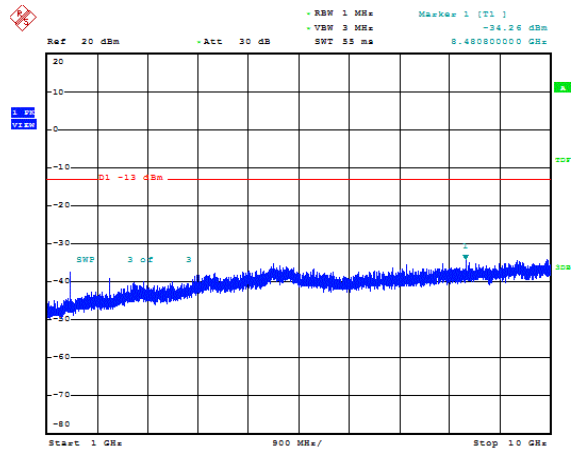
Date: 30.OCT.2020 18:28:23

Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



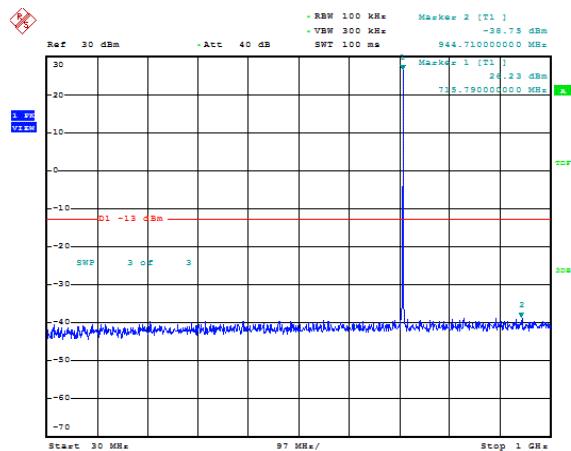
Date: 30.OCT.2020 18:28:52

Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



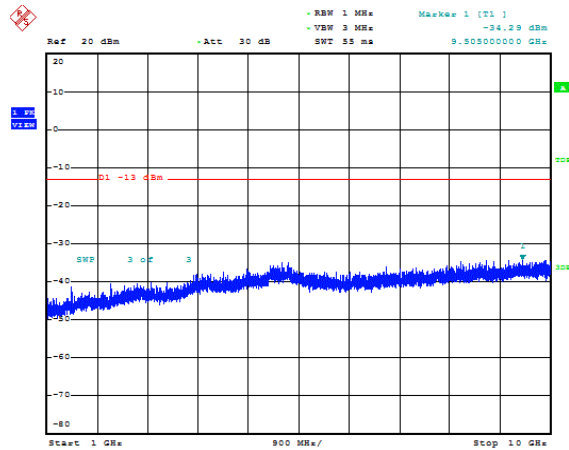
Date: 30.OCT.2020 18:29:00

Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



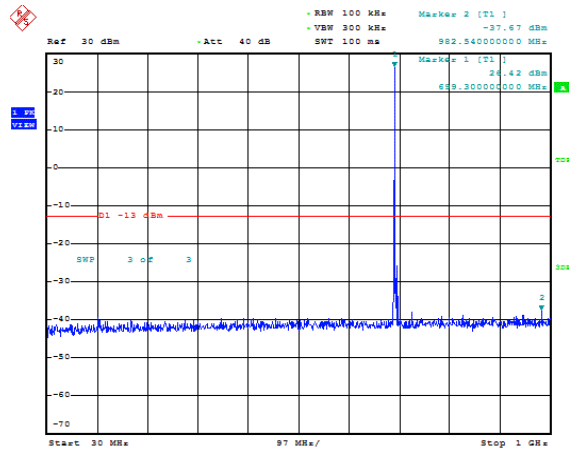
Date: 30.OCT.2020 18:29:29

Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



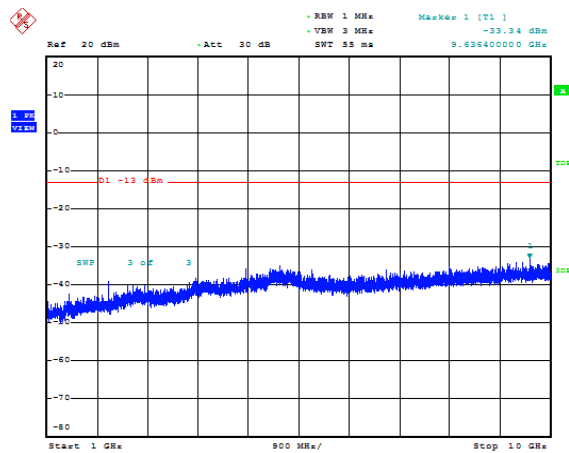
Date: 30.OCT.2020 18:29:37

Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



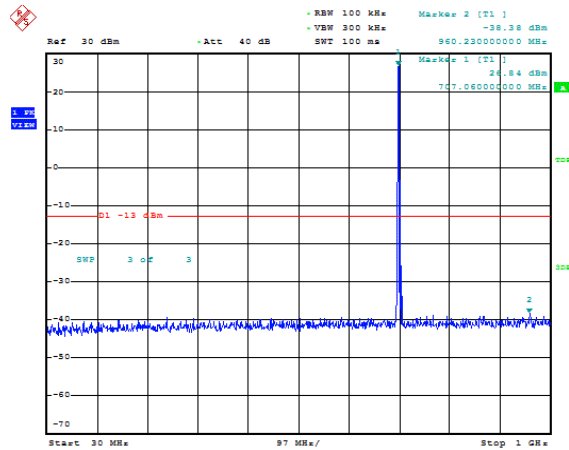
Date: 30.OCT.2020 18:45:03

Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



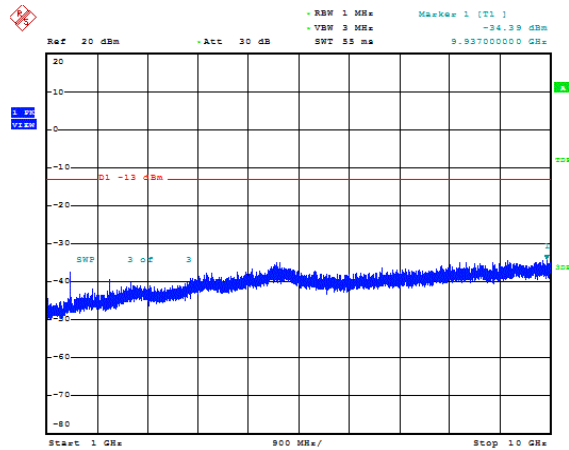
Date: 30.OCT.2020 18:45:11

Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



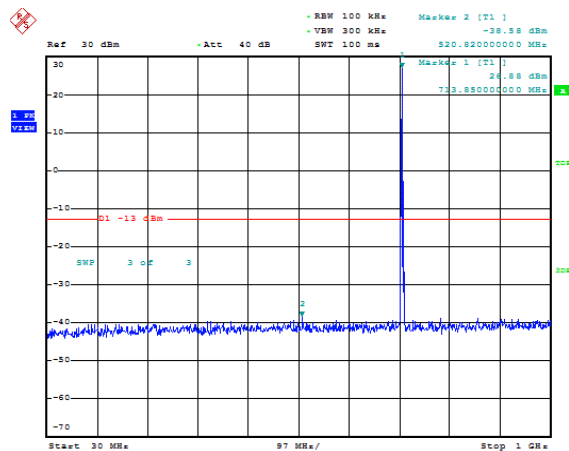
Date: 30.OCT.2020 18:45:40

Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



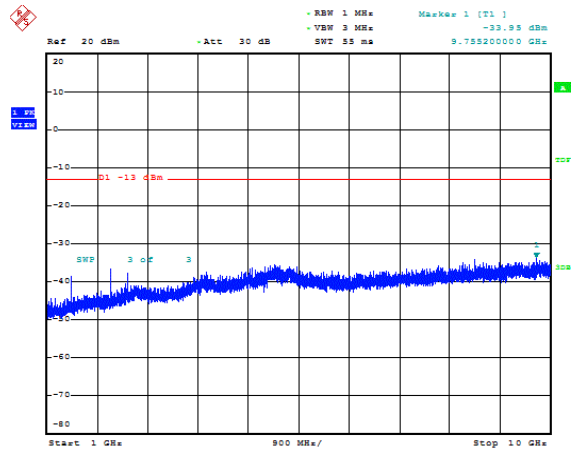
Date: 30.OCT.2020 18:45:48

Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



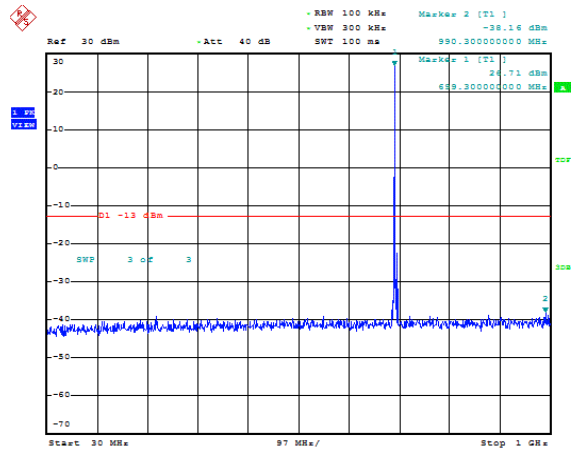
Date: 30.OCT.2020 18:46:17

Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



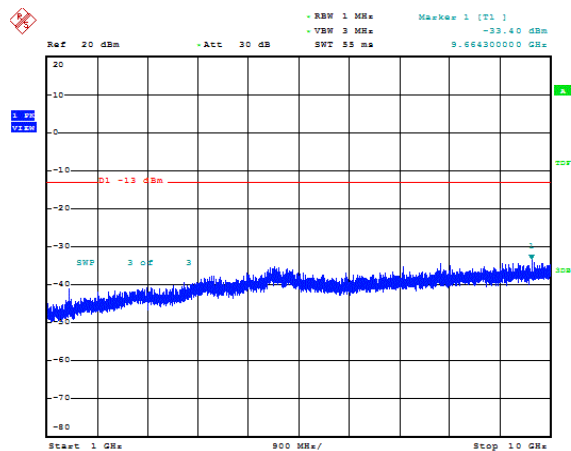
Date: 30.OCT.2020 18:46:24

Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



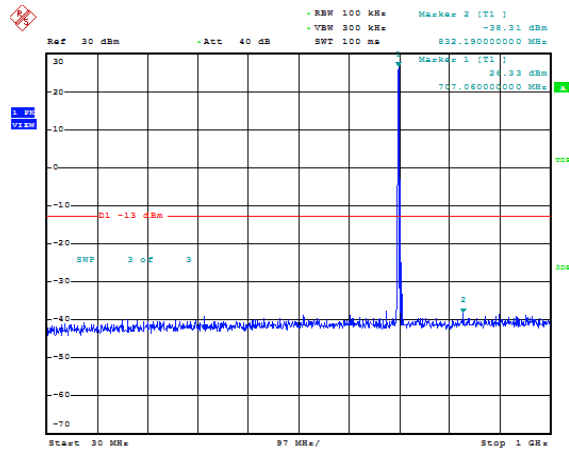
Date: 30.OCT.2020 18:45:20

Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz

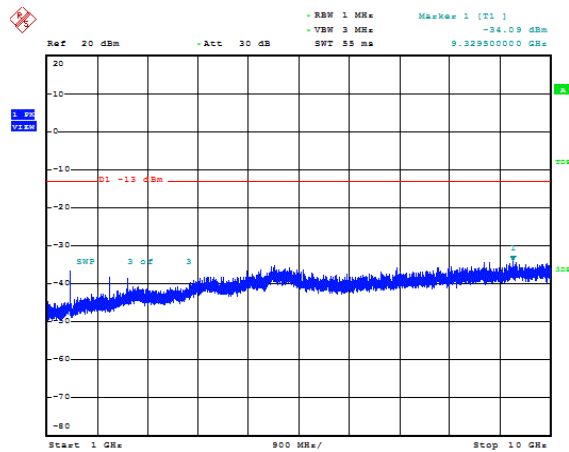


Date: 30.OCT.2020 18:45:28

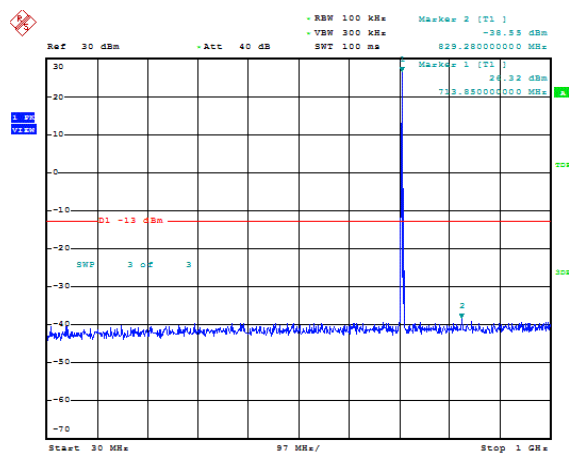
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



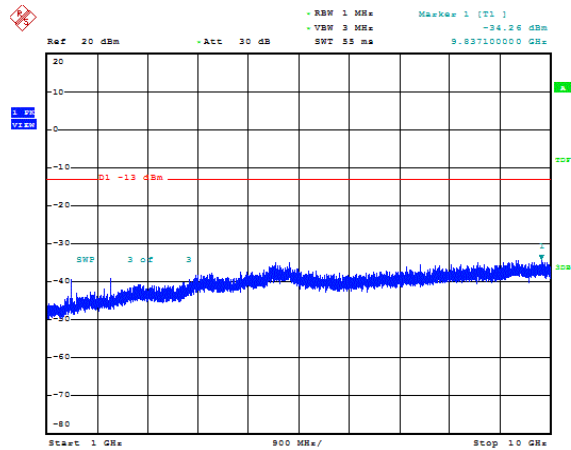
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz

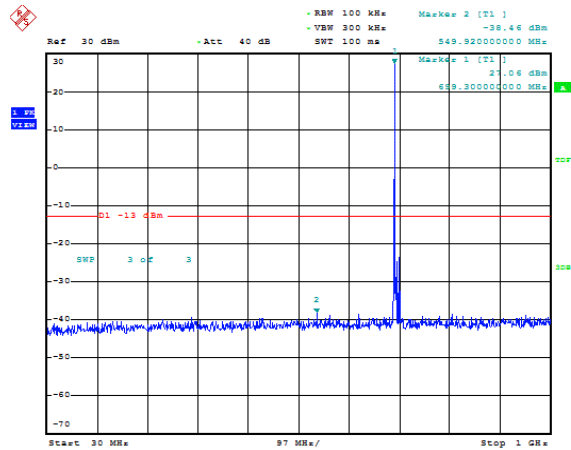


Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



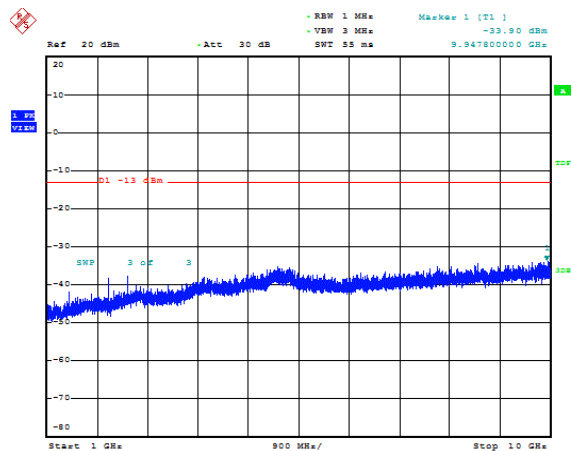
Date: 30.OCT.2020 18:46:42

Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



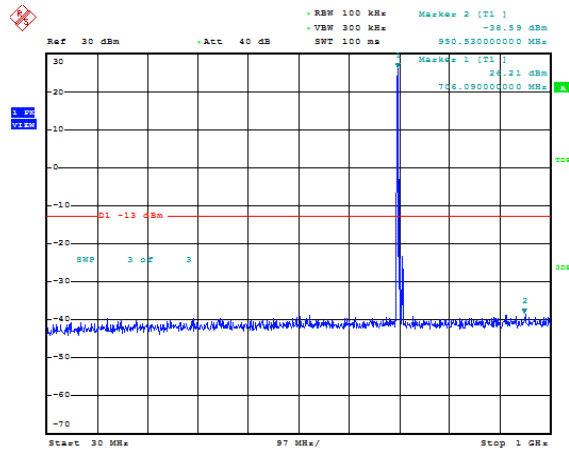
Date: 30.OCT.2020 19:02:54

Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



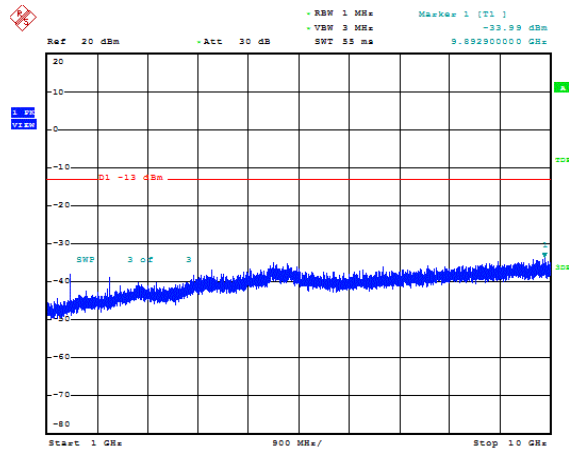
Date: 30.OCT.2020 19:09:02

Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



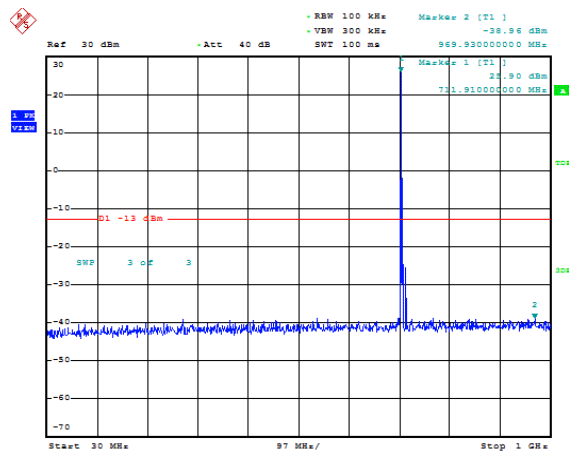
Date: 30.OCT.2020 19:03:31

Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



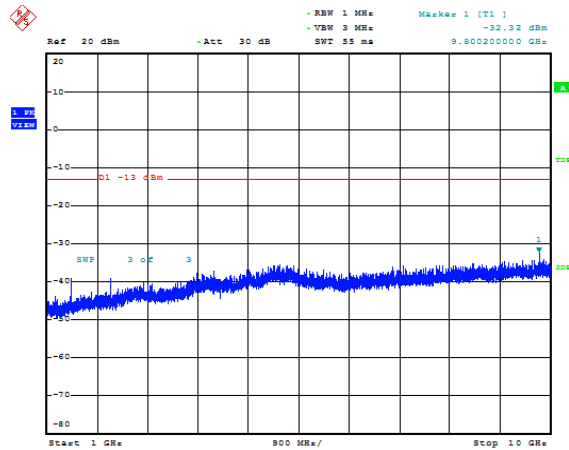
Date: 30.OCT.2020 19:03:39

Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



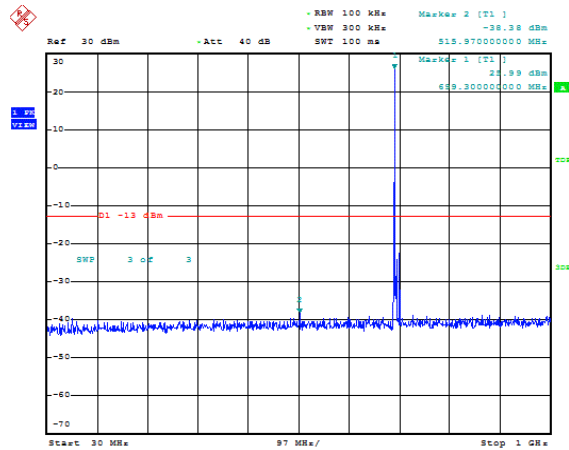
Date: 30.OCT.2020 19:04:08

Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



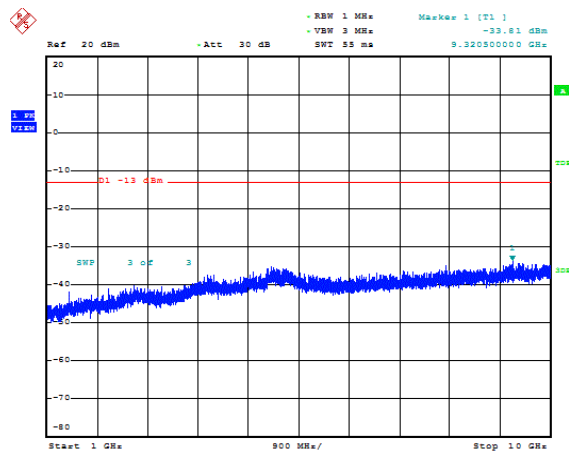
Date: 30.OCT.2020 19:04:16

Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



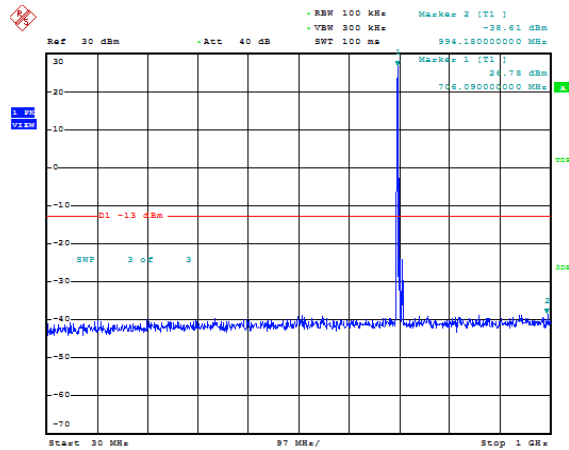
Date: 30.OCT.2020 19:03:11

Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



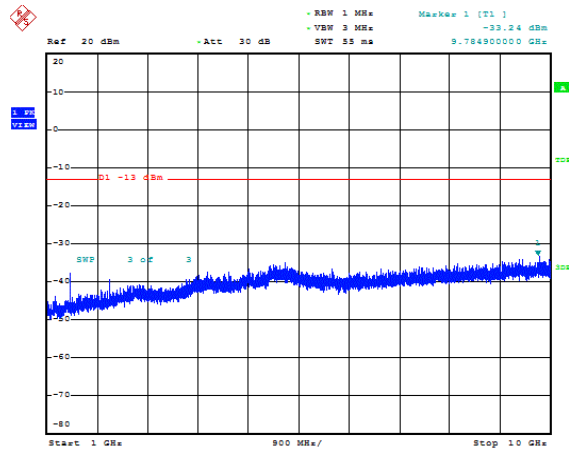
Date: 30.OCT.2020 19:03:19

Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



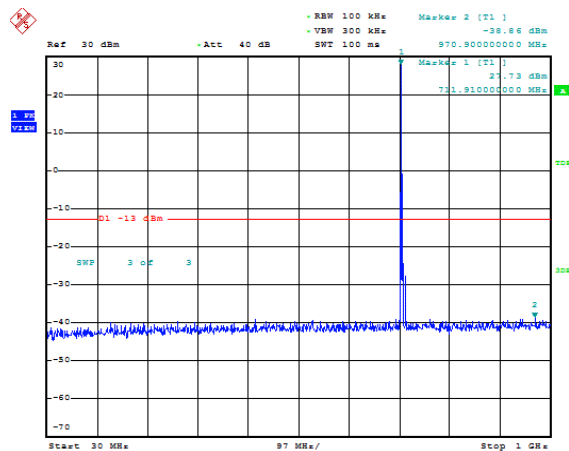
Date: 30.OCT.2020 19:03:48

Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



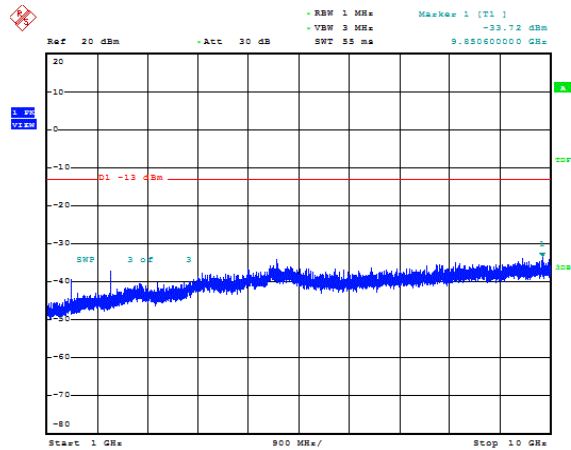
Date: 30.OCT.2020 19:03:57

Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



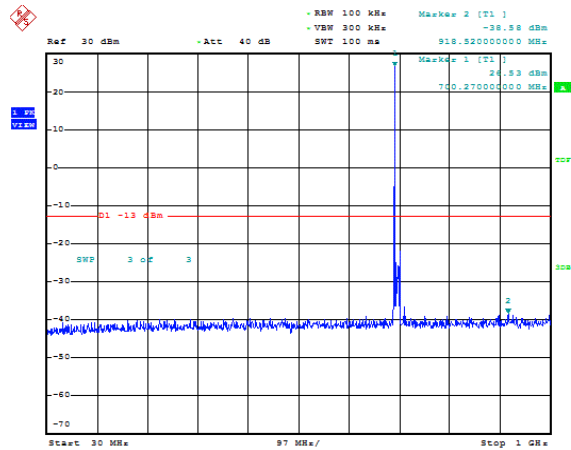
Date: 30.OCT.2020 19:04:26

Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



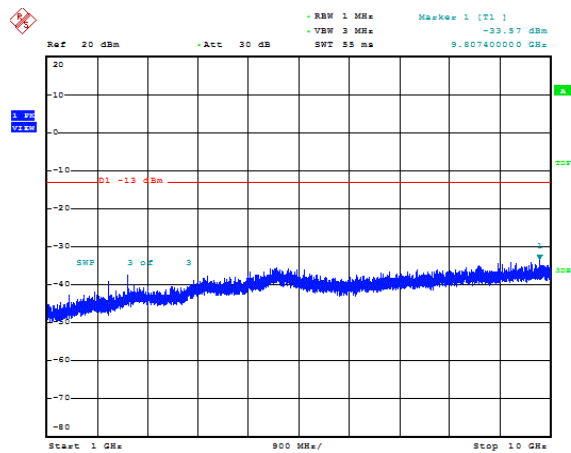
Date: 30.OCT.2020 19:04:24

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



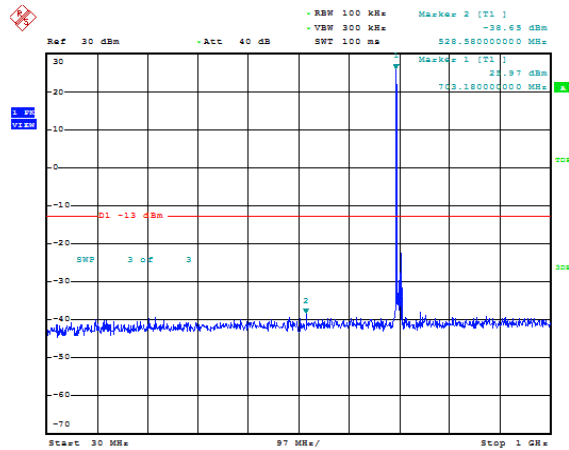
Date: 30.OCT.2020 19:20:23

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



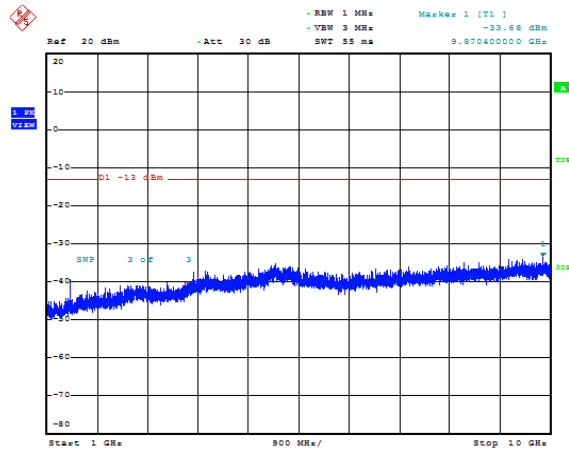
Date: 30.OCT.2020 19:20:31

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



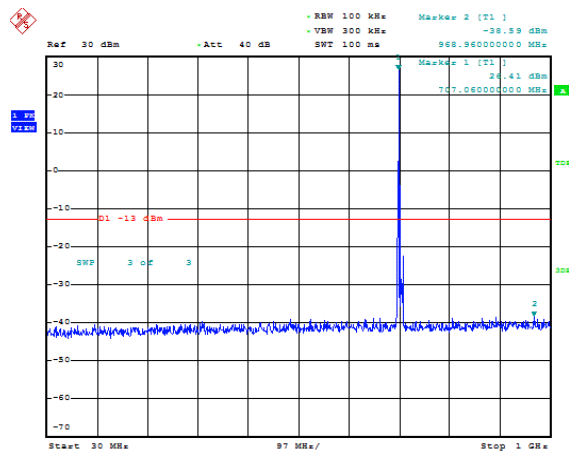
Date: 30.OCT.2020 19:21:01

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



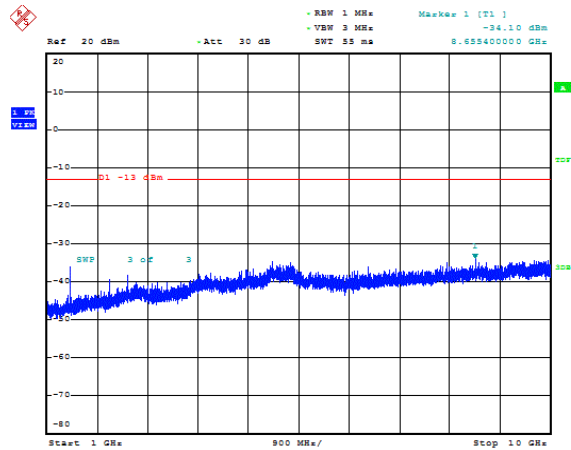
Date: 30.OCT.2020 19:21:09

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



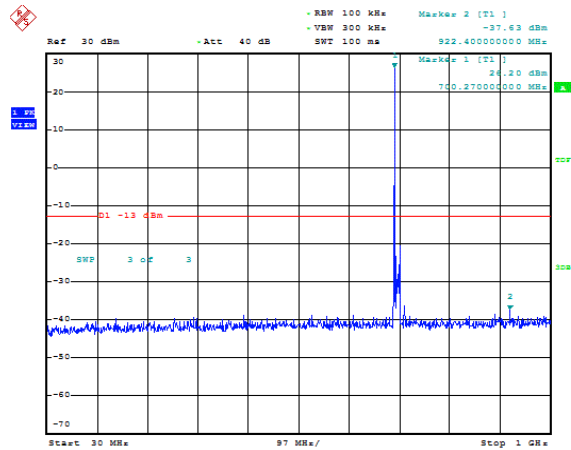
Date: 30.OCT.2020 19:21:38

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



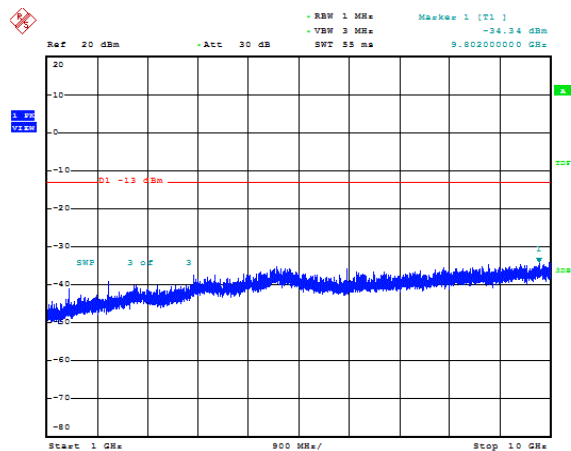
Date: 30.OCT.2020 19:21:46

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



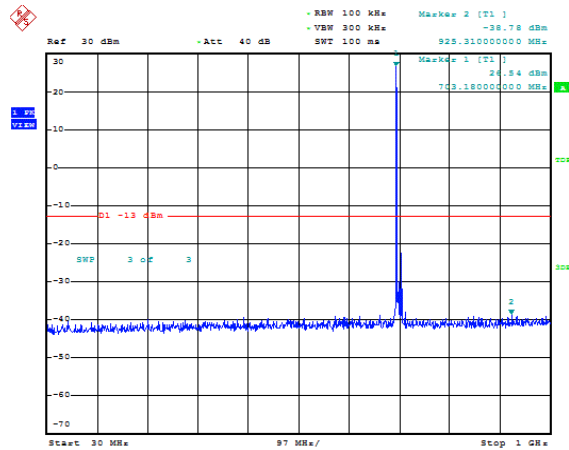
Date: 30.OCT.2020 19:20:41

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



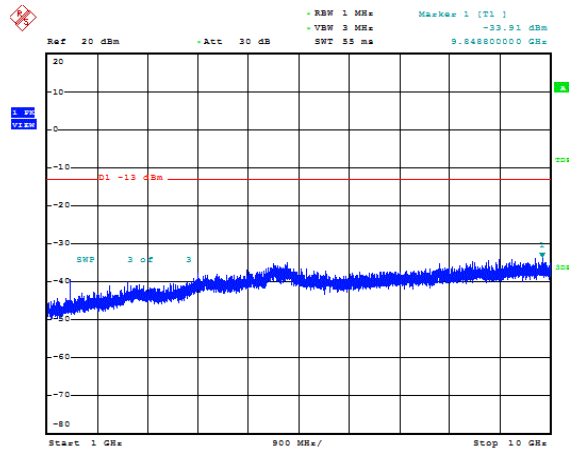
Date: 30.OCT.2020 19:20:49

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



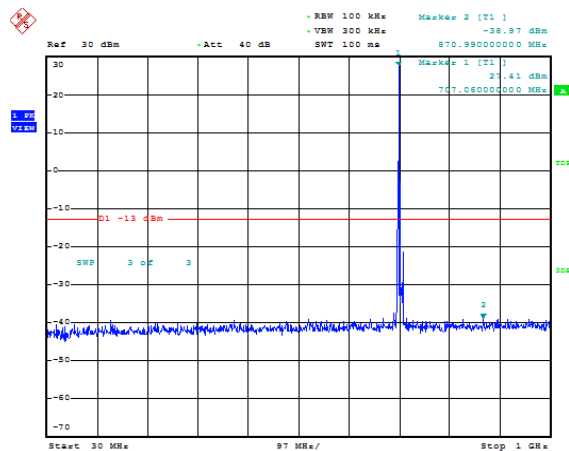
Date: 30.OCT.2020 19:21:18

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



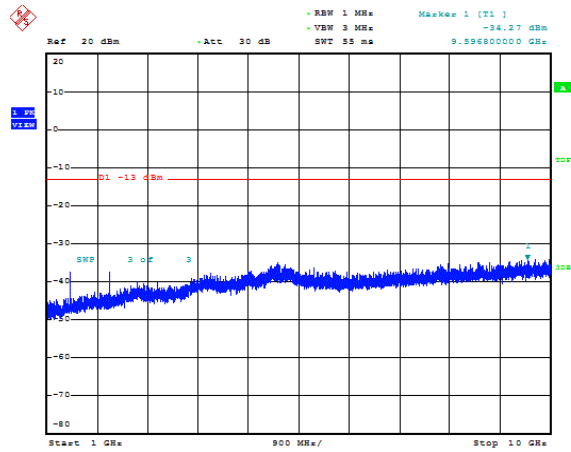
Date: 30.OCT.2020 19:21:26

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



Date: 30.OCT.2020 19:21:55

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



Date: 30.OCT.2020 19:22:03

1.6. Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-2.27	-0.003244	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-2.29	-0.003273	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-1.75	-0.002501	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-2.89	-0.004085	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-2.43	-0.003435	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-2.53	-0.003576	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	1.19	0.001664	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	1.77	0.002474	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	1.42	0.001985	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	2.06	0.002944	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	1.54	0.002201	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	1.16	0.001658	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	-1.80	-0.002544	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-1.52	-0.002148	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-2.55	-0.003604	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-2.12	-0.002964	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	1.06	0.001482	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-1.49	-0.002083	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	-2.13	-0.003041	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	-3.25	-0.004640	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	-2.85	-0.004069	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	-2.57	-0.003633	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-2.39	-0.003378	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-2.85	-0.004028	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	-2.35	-0.003289	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	-1.99	-0.002785	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	-1.27	-0.001777	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	-3.10	-0.004425	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	-2.53	-0.003612	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	-2.72	-0.003883	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-2.22	-0.003138	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-1.44	-0.002035	±2.5	PASS

Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-2.80	-0.003958	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	1.52	0.002127	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	-2.93	-0.004101	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VH	NT	-1.17	-0.001638	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	2.10	0.002994	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	-3.12	-0.004448	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	-2.50	-0.003564	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-2.05	-0.002898	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-1.82	-0.002572	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-2.73	-0.003859	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-1.20	-0.001682	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	1.44	0.002018	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	-1.69	-0.002369	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	-2.65	-0.003778	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-3.46	-0.004932	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	-2.25	-0.003207	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	-1.56	-0.002205	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	2.27	0.003208	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	2.42	0.003420	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	0.60	0.000841	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	1.89	0.002649	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VH	NT	-1.86	-0.002607	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-1.59	-0.002259	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	2.12	0.003011	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.89	-0.002685	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-2.95	-0.004170	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-2.32	-0.003279	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-2.60	-0.003675	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-2.03	-0.002855	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-4.05	-0.005696	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-2.52	-0.003544	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-1.09	-0.001548	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-2.75	-0.003906	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-2.46	-0.003494	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-1.49	-0.002106	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-3.02	-0.004269	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-1.42	-0.002007	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-2.68	-0.003769	±2.5	PASS

Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-3.48	-0.004895	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-3.23	-0.004543	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	-1.40	-0.002001	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	1.14	0.001629	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-3.00	-0.004288	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-2.68	-0.003830	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-1.76	-0.002515	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-1.99	-0.002844	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	1.72	0.002458	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	1.32	0.001866	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-2.13	-0.003011	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-1.83	-0.002587	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-1.82	-0.002572	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-3.05	-0.004311	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-2.49	-0.003519	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-1.43	-0.002021	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	-3.10	-0.004334	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-3.25	-0.004544	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-1.89	-0.002642	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-1.59	-0.002223	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	-2.37	-0.003313	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	-1.19	-0.001664	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	-1.85	-0.002586	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	-1.67	-0.002387	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-1.80	-0.002573	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-2.80	-0.004002	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	1.70	0.002430	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	1.23	0.001758	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-1.59	-0.002272	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-2.05	-0.002930	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	1.07	0.001512	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-1.56	-0.002205	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-1.27	-0.001795	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-2.89	-0.004085	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-2.09	-0.002954	±2.5	PASS

Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-2.10	-0.002968	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	1.33	0.001880	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	-2.69	-0.003761	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-2.56	-0.003579	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	1.49	0.002083	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-1.60	-0.002237	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	1.02	0.001426	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	-2.39	-0.003341	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	-1.85	-0.002586	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	2.55	0.003640	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-2.99	-0.004268	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-2.66	-0.003797	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-2.98	-0.004254	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	-2.50	-0.003569	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	-3.48	-0.004968	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	-2.95	-0.004211	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	-1.66	-0.002346	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-1.46	-0.002064	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-1.30	-0.001837	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-3.06	-0.004325	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-2.63	-0.003717	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	-2.96	-0.004184	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	-1.32	-0.001866	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	1.77	0.002477	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	1.83	0.002561	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	-1.50	-0.002099	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-2.17	-0.003037	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	-2.68	-0.003751	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	-2.23	-0.003121	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	1.83	0.002561	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	-0.93	-0.001328	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-2.85	-0.004069	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-3.40	-0.004854	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-1.73	-0.002470	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-1.82	-0.002598	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	-3.36	-0.004797	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	-2.90	-0.004140	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	-2.22	-0.003138	±2.5	PASS

Band12	3MHz	16QAM	23095	15RB#0	NV	0	-1.29	-0.001823	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-1.79	-0.002530	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-1.60	-0.002261	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	-2.76	-0.003901	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	-1.83	-0.002587	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-0.99	-0.001399	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	-1.46	-0.002043	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	1.03	0.001442	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-2.17	-0.003037	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	1.85	0.002589	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	1.02	0.001428	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	1.49	0.002085	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	-2.72	-0.003807	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	-3.65	-0.005203	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	1.69	0.002409	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	-1.82	-0.002594	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-2.78	-0.003963	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	1.97	0.002808	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	-0.86	-0.001226	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	2.45	0.003493	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	-2.73	-0.003859	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-2.72	-0.003845	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-1.32	-0.001866	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-2.56	-0.003618	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	-2.80	-0.003958	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-0.79	-0.001117	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	-2.19	-0.003095	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	-2.15	-0.003013	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	-1.93	-0.002705	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	-2.42	-0.003392	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	-2.40	-0.003364	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	-2.57	-0.003602	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	-2.52	-0.003532	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	-2.88	-0.004036	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	-1.75	-0.002495	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	1.54	0.002195	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-3.10	-0.004419	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-1.44	-0.002053	±2.5	PASS

Band12	5MHz	16QAM	23035	25RB#0	NV	30	-1.76	-0.002509	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-2.47	-0.003521	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	-3.20	-0.004562	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	1.07	0.001512	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	2.09	0.002954	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	1.90	0.002686	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-2.79	-0.003943	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	-2.17	-0.003067	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	-1.43	-0.002021	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	-1.69	-0.002389	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-1.72	-0.002411	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	-1.29	-0.001808	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	-1.72	-0.002411	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	-1.03	-0.001444	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	1.07	0.001500	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-1.62	-0.002270	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	-2.32	-0.003252	±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	1.36	0.001932	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-1.75	-0.002486	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-2.76	-0.003920	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-3.10	-0.004403	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-3.91	-0.005554	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-0.92	-0.001307	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-4.48	-0.006332	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.83	-0.004000	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-2.59	-0.003661	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-3.68	-0.005201	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-4.09	-0.005781	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-1.93	-0.002728	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.54	-0.002177	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-3.02	-0.004248	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.42	-0.003404	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-3.16	-0.004444	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-2.25	-0.003165	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-2.46	-0.003460	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-2.52	-0.003544	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-3.56	-0.005007	±2.5	PASS

Band12	10MHz	16QAM	23060	50RB#0	NV	-10	1.79	0.002543	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	3.23	0.004588	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-2.19	-0.003111	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	2.86	0.004063	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-2.52	-0.003580	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	2.29	0.003253	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	2.47	0.003509	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-1.85	-0.002615	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-1.87	-0.002643	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-1.54	-0.002177	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-1.16	-0.001640	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	1.29	0.001823	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-3.78	-0.005343	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-3.50	-0.004947	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-2.59	-0.003643	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-2.19	-0.003080	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-3.62	-0.005091	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-2.79	-0.003924	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-2.92	-0.004107	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-2.56	-0.003601	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-1.80	-0.002532	±2.5	PASS

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