



CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel: +86-755-27521059 Fax: +86-755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

Appendix for LTE Band 13

**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: GLMG21A01

FCC ID: 2AC88-GLMG21A01

IC: 24230-GLMG21A01

TABLE OF CONTENTS

1	Summary of Test Results Data and Graph.....	3
1.1.	Appendix A: Conducted Power Output Data	3
1.2.	Appendix B: Peak-to-Average Ratio(CCDF)	5
1.3.	Appendix C: 26dB Bandwidth and Occupied Bandwidth.....	12
1.4.	Appendix D: Band Edge	16
1.5.	Appendix E: Conducted Spurious Emission	23
1.6.	Appendix F: Frequency Stability	39

1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.69	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.95	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.87	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.82	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.75	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.78	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.83	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.83	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.78	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.94	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.94	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.89	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.73	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.98	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.91	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.93	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.00	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.87	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.84	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.92	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.03	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.83	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.10	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.75	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.74	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.81	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.93	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.99	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.93	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.95	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.96	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.89	PASS

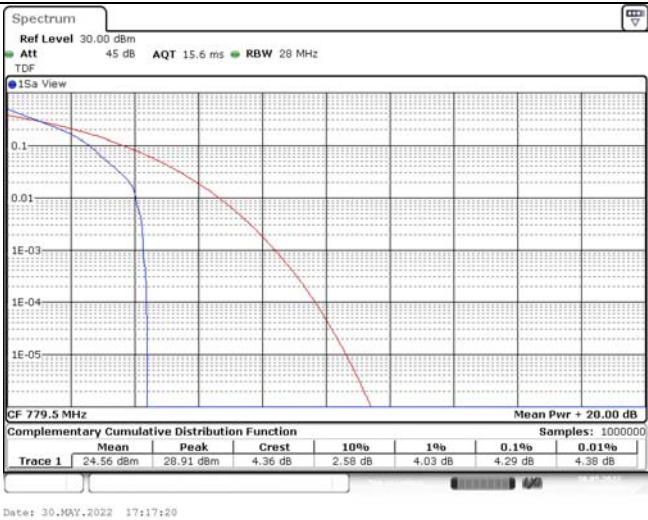
Band13	5MHz	16QAM	23230	12RB#13	22.81	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.89	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.79	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.85	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.99	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.83	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.85	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.99	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.13	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.60	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.78	PASS
Band13	10MHz	QPSK	23230	1RB#49	24.10	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.87	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.84	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.96	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.83	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.34	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.86	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.23	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.83	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.84	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.93	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.92	PASS

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

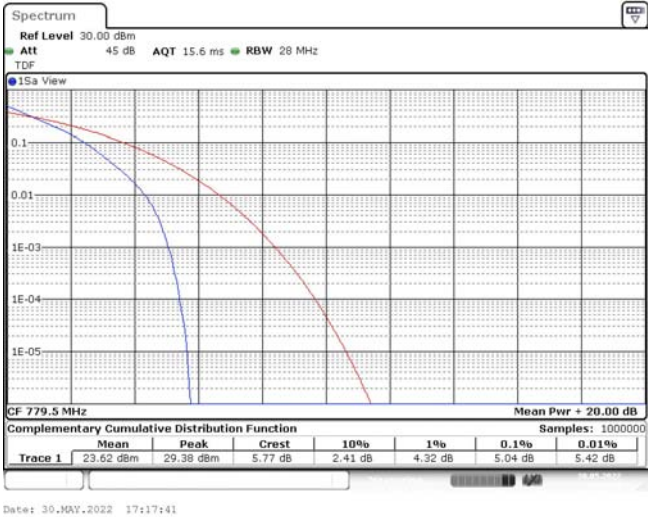
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.29	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.04	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.46	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.99	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.23	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.93	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.10	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.88	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.36	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.80	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.10	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.77	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.20	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.96	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.25	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.86	13	PASS

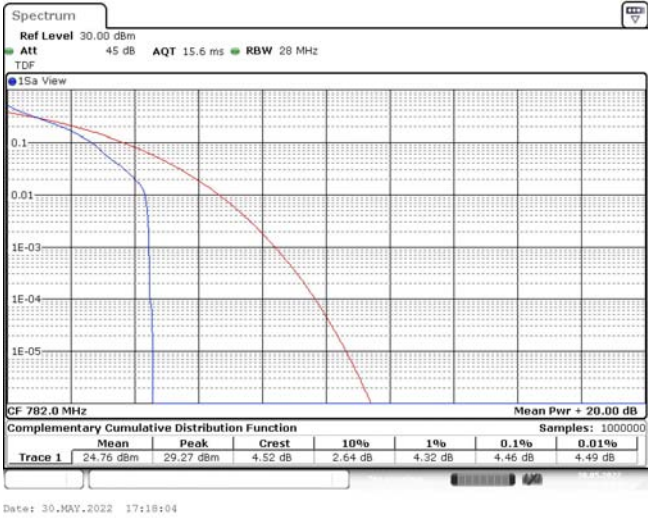
Test Graphs



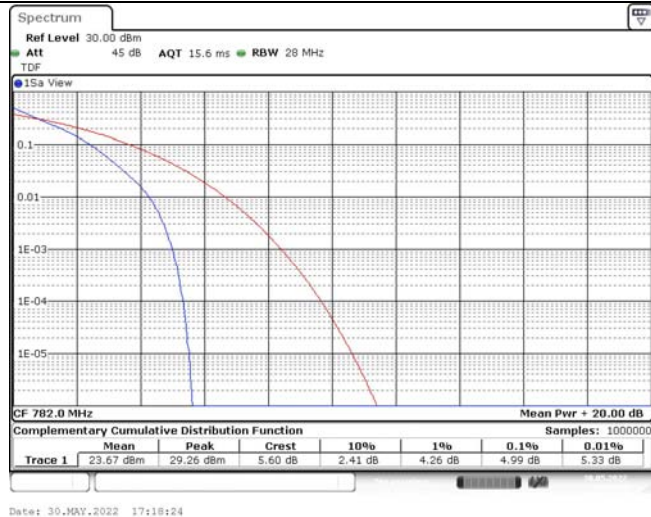
Band13-5MHz-QPSK-23205-1RB#0



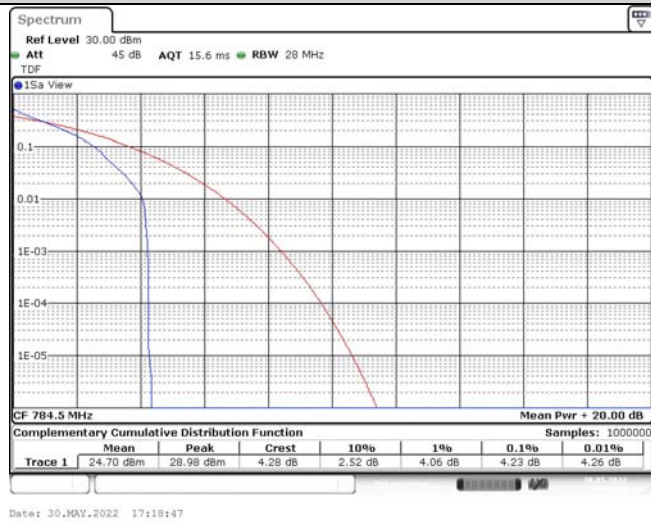
Band13-5MHz-QPSK-23205-25RB#0



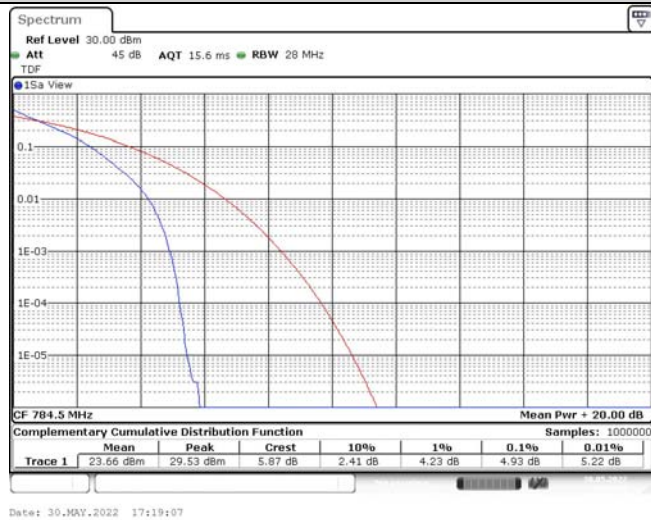
Band13-5MHz-QPSK-23230-1RB#0



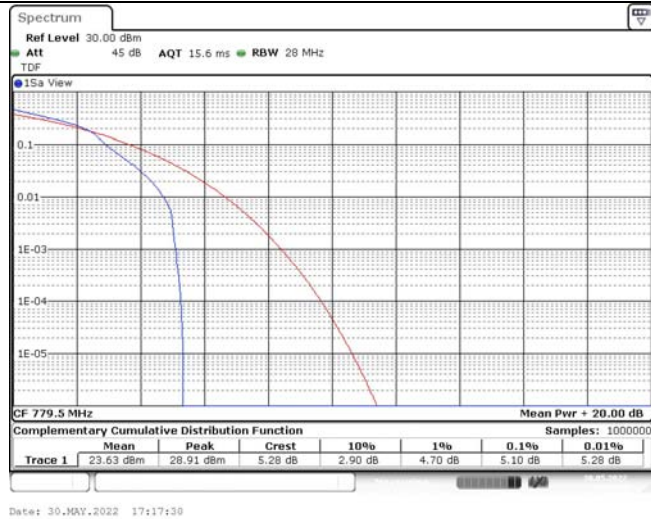
Band13-5MHz-QPSK-23230-25RB#0



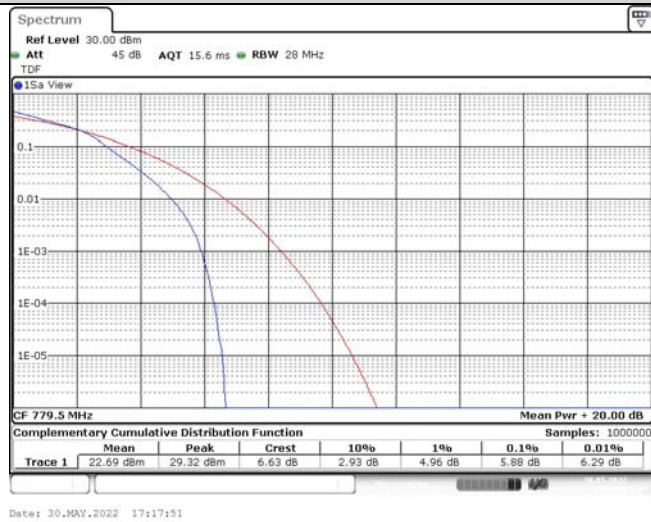
Band13-5MHz-QPSK-23255-1RB#0



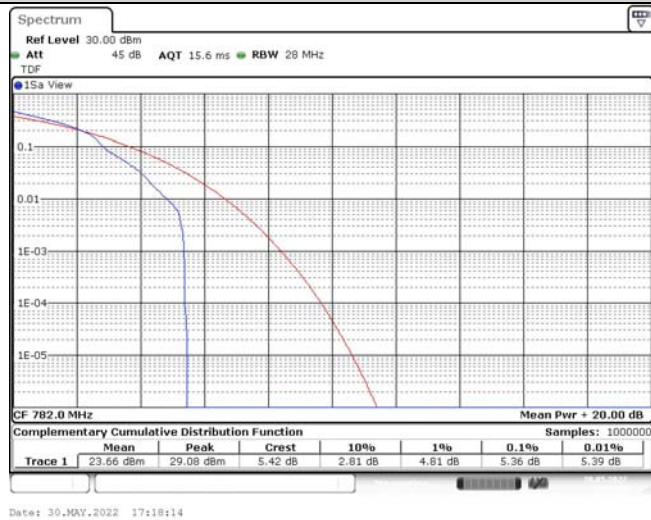
Band13-5MHz-QPSK-23255-25RB#0



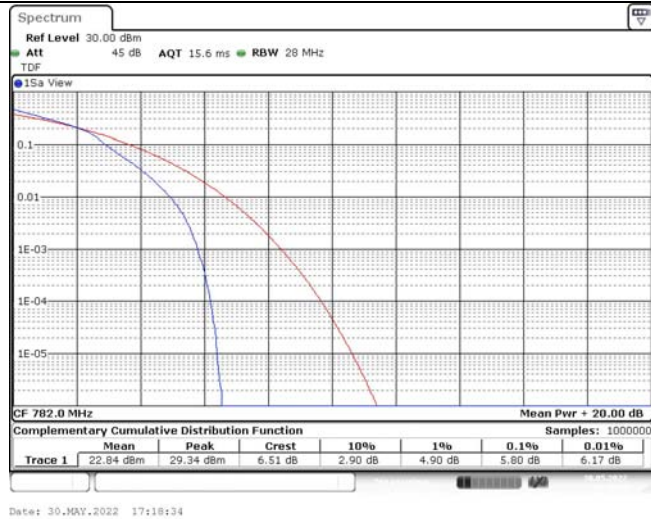
Band13-5MHz-16QAM-23205-1RB#0



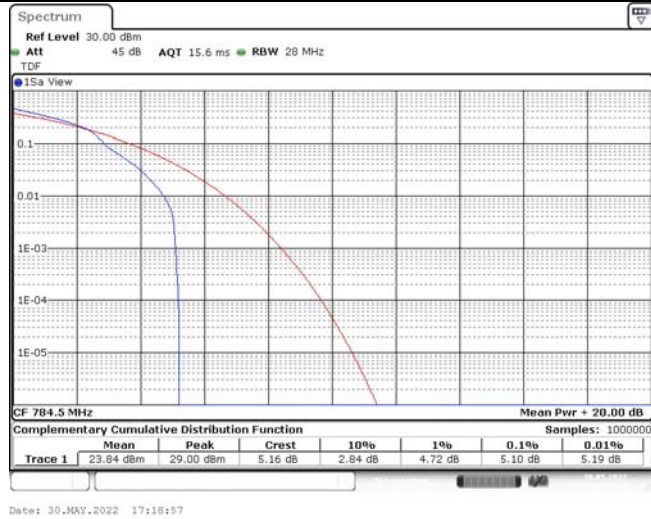
Band13-5MHz-16QAM-23205-25RB#0



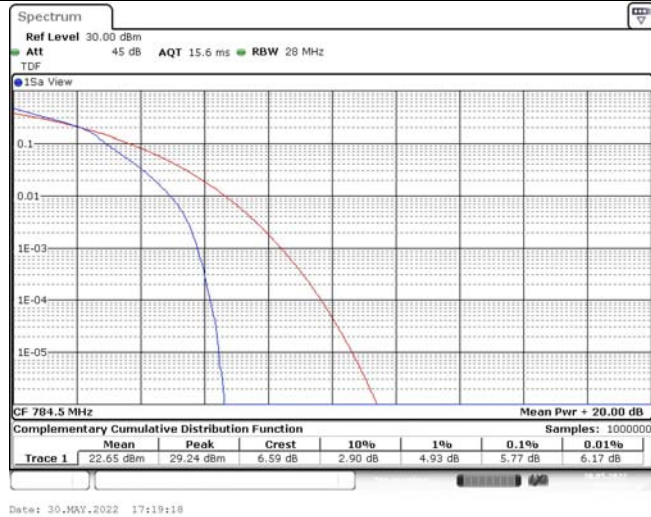
Band13-5MHz-16QAM-23230-1RB#0



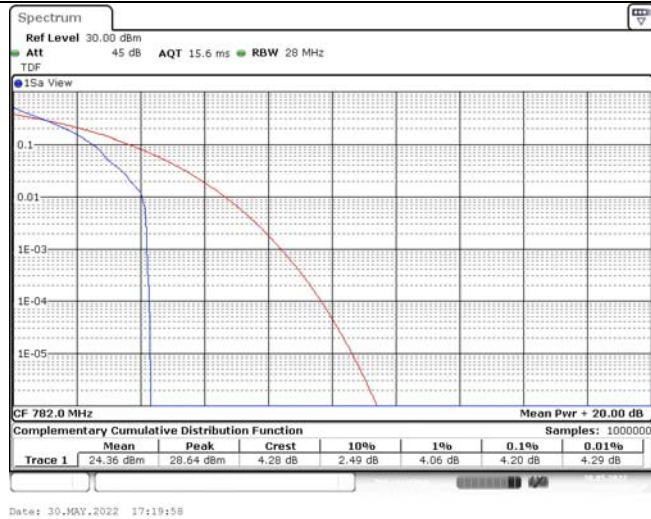
Band13-5MHz-16QAM-23230-25RB#0



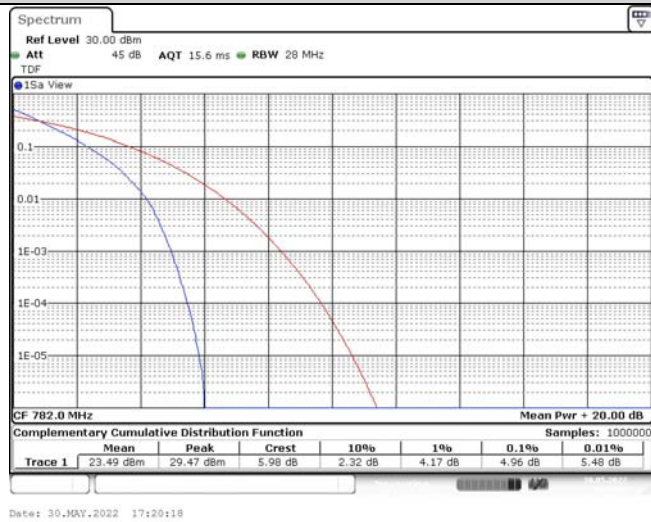
Band13-5MHz-16QAM-23255-1RB#0



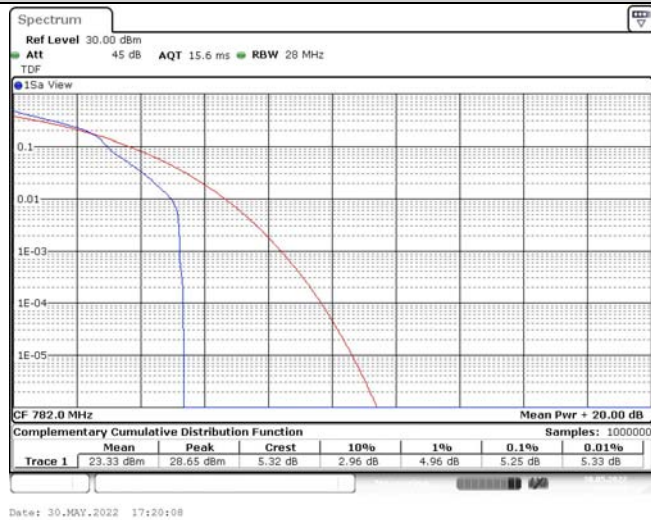
Band13-5MHz-16QAM-23255-25RB#0



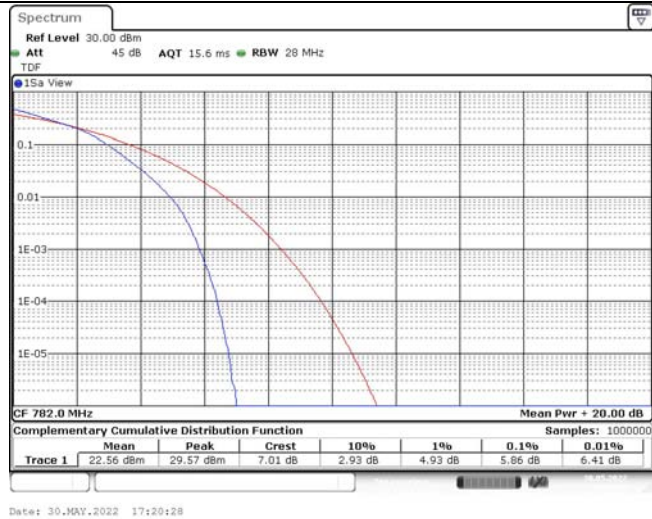
Band13-10MHz-QPSK-23230-1RB#0



Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0



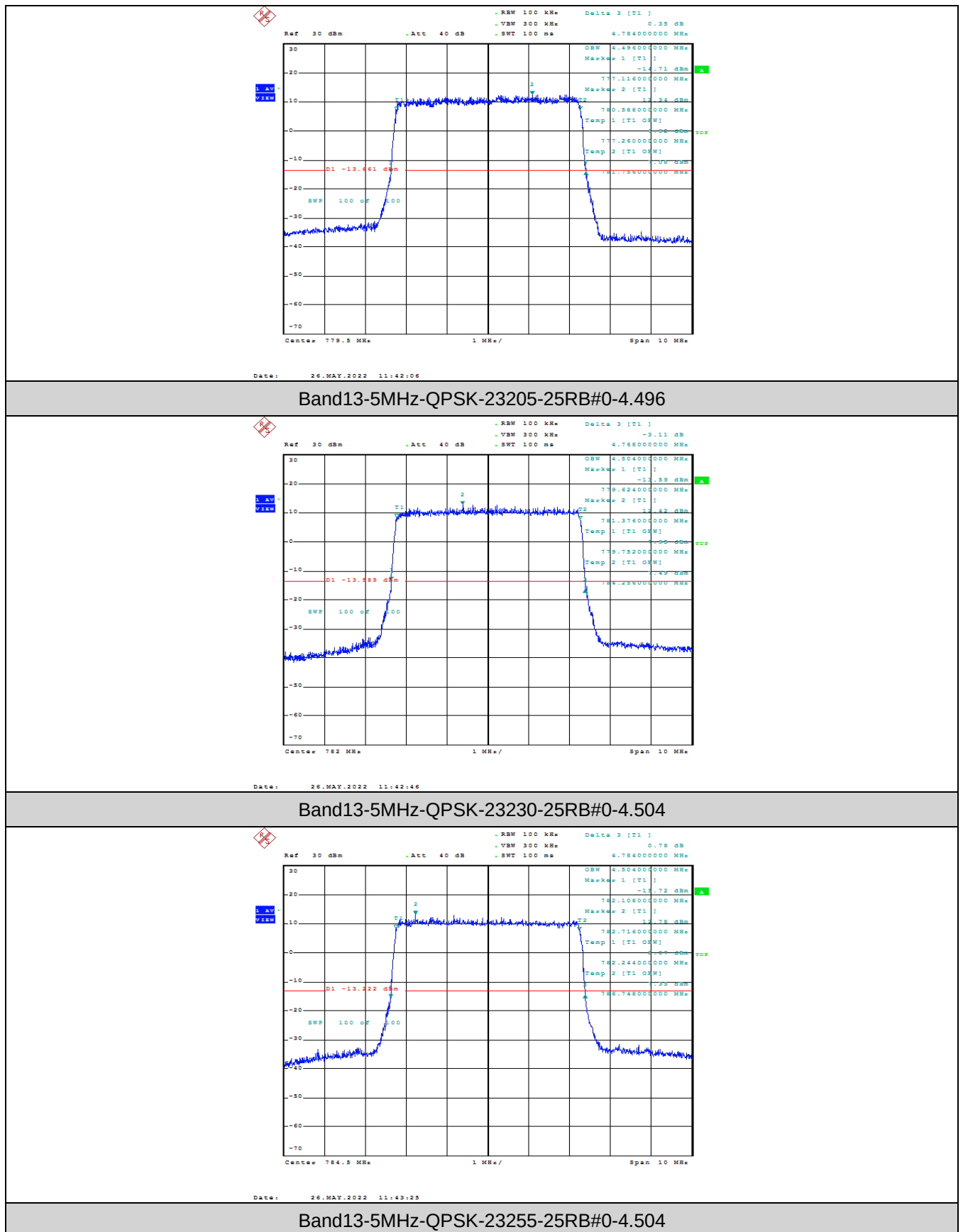
Band13-10MHz-16QAM-23230-50RB#0

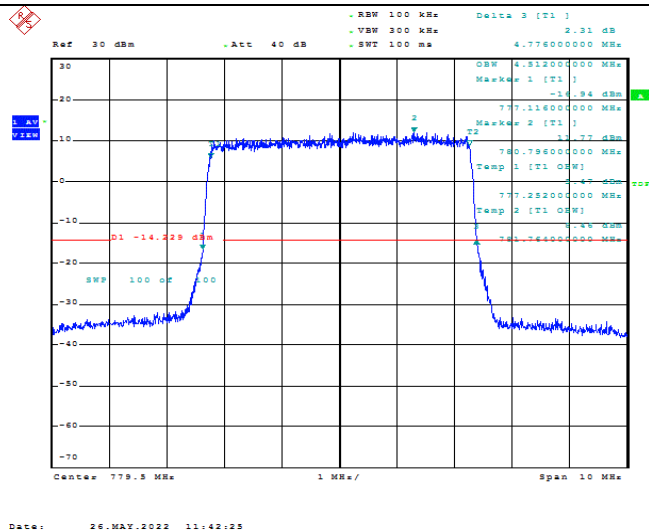
1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.496	4.784	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.504	4.768	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.504	4.784	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.512	4.776	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.504	4.784	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.512	4.768	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.974	9.615	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.974	9.615	PASS

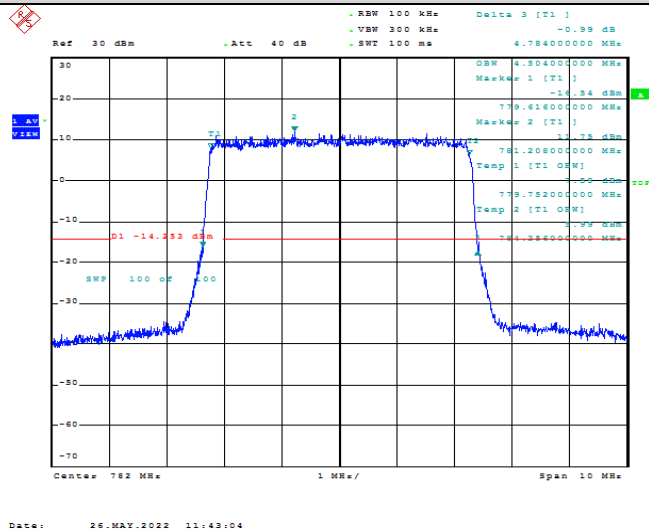
Test Graphs





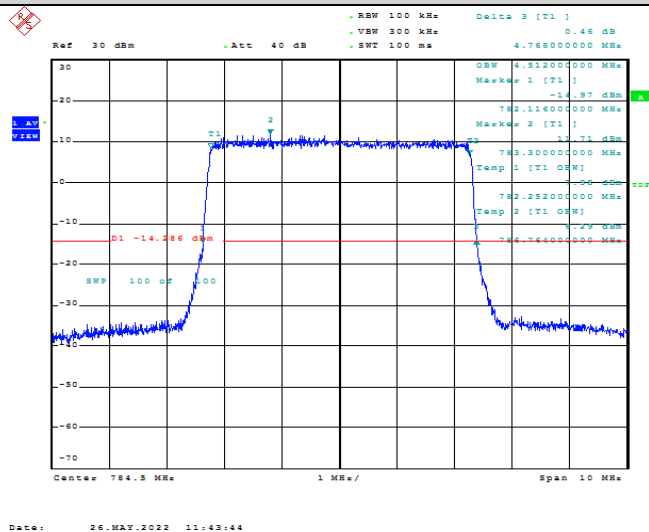
Date: 26.MAY.2022 11:42:25

Band13-5MHz-16QAM-23205-25RB#0-4.512



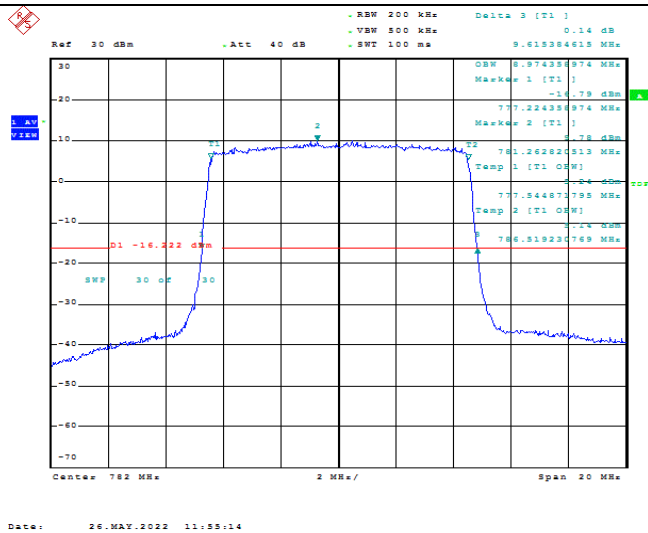
Date: 26.MAY.2022 11:43:04

Band13-5MHz-16QAM-23230-25RB#0-4.504

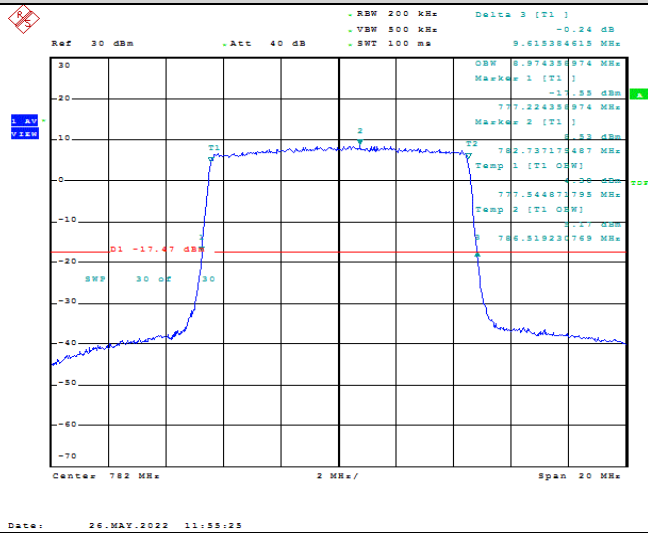


Date: 26.MAY.2022 11:43:44

Band13-5MHz-16QAM-23255-25RB#0-4.512



Band13-10MHz-QPSK-23230-50RB#0-8.974



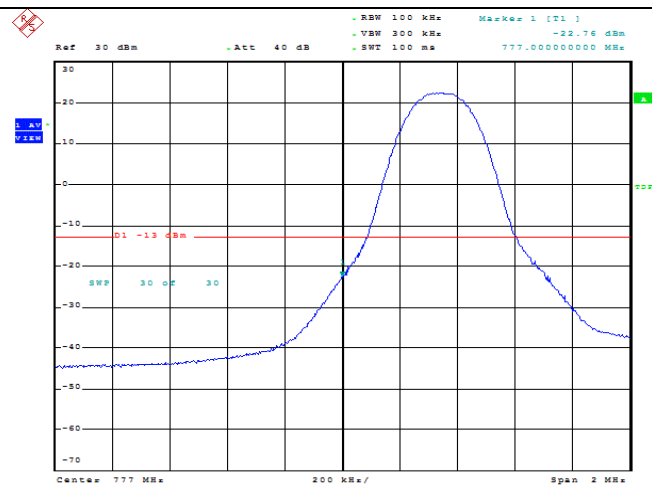
Band13-10MHz-16QAM-23230-50RB#0-8.974

1.4. Appendix D: Band Edge

Test Result

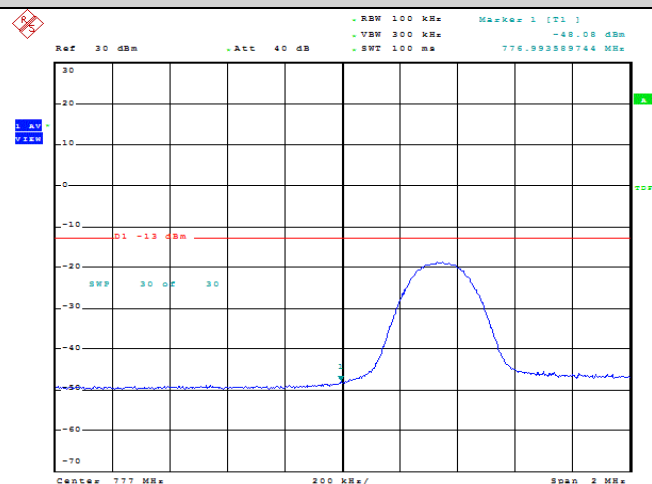
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-22.76	PASS
Band13	5MHz	QPSK	23205	1RB#24	-48.08	PASS
Band13	5MHz	QPSK	23205	25RB#0	-28.62	PASS
Band13	5MHz	QPSK	23255	1RB#0	-48.56	PASS
Band13	5MHz	QPSK	23255	1RB#24	-22.74	PASS
Band13	5MHz	QPSK	23255	25RB#0	-28.14	PASS
Band13	5MHz	16QAM	23205	1RB#0	-23.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	-48.62	PASS
Band13	5MHz	16QAM	23205	25RB#0	-30.17	PASS
Band13	5MHz	16QAM	23255	1RB#0	-48.47	PASS
Band13	5MHz	16QAM	23255	1RB#24	-24.11	PASS
Band13	5MHz	16QAM	23255	25RB#0	-30.26	PASS
Band13	10MHz	QPSK	23230	1RB#0	-17.49,-46.75	PASS
Band13	10MHz	QPSK	23230	1RB#49	-46.98,-14.39	PASS
Band13	10MHz	QPSK	23230	50RB#0	-30.79,-29.20	PASS
Band13	10MHz	16QAM	23230	1RB#0	-18.44,-47.08	PASS
Band13	10MHz	16QAM	23230	1RB#49	-47.24,-15.90	PASS
Band13	10MHz	16QAM	23230	50RB#0	-32.41,-29.93	PASS

Test Graphs



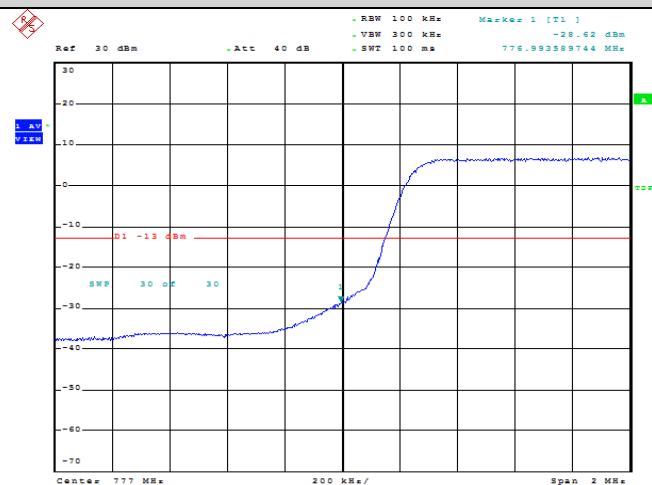
Date: 26.MAY.2022 11:44:06

Band13-5MHz-QPSK-23205-1RB#0



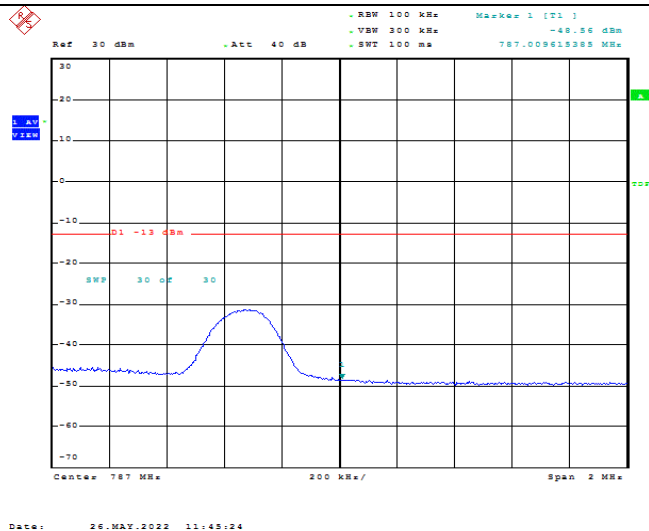
Date: 26.MAY.2022 11:44:27

Band13-5MHz-QPSK-23205-1RB#24



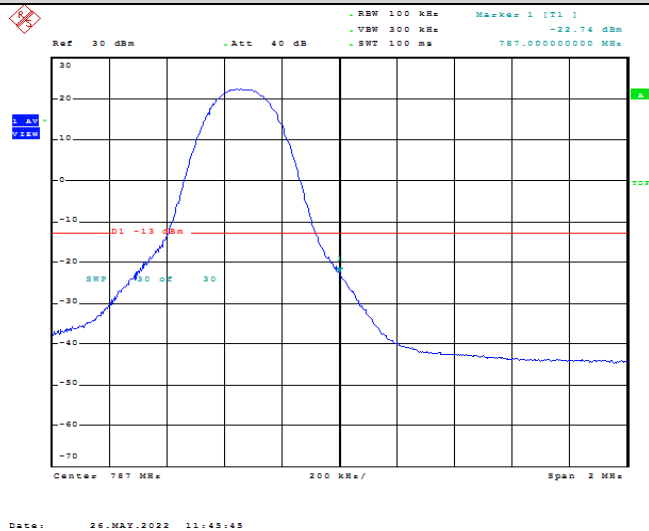
Date: 26.MAY.2022 11:44:49

Band13-5MHz-QPSK-23205-25RB#0



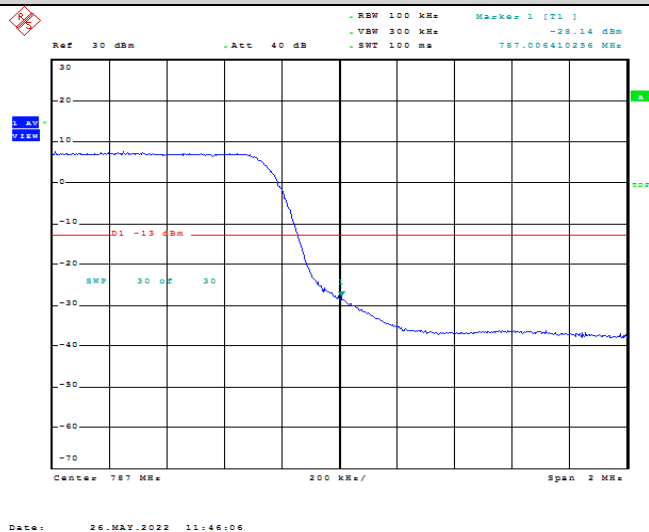
Date: 26.MAY.2022 11:45:24

Band13-5MHz-QPSK-23255-1RB#0



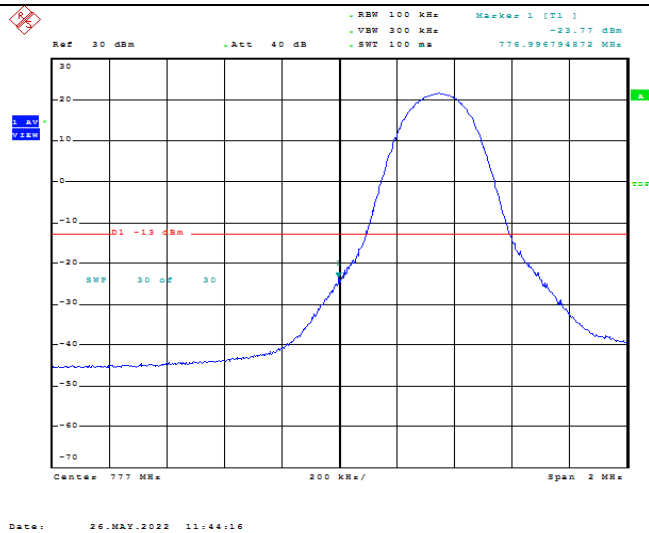
Date: 26.MAY.2022 11:45:45

Band13-5MHz-QPSK-23255-1RB#24

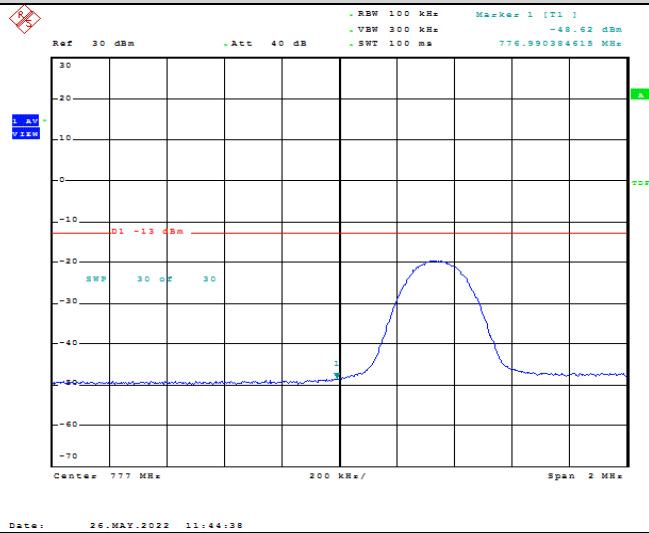


Date: 26.MAY.2022 11:46:06

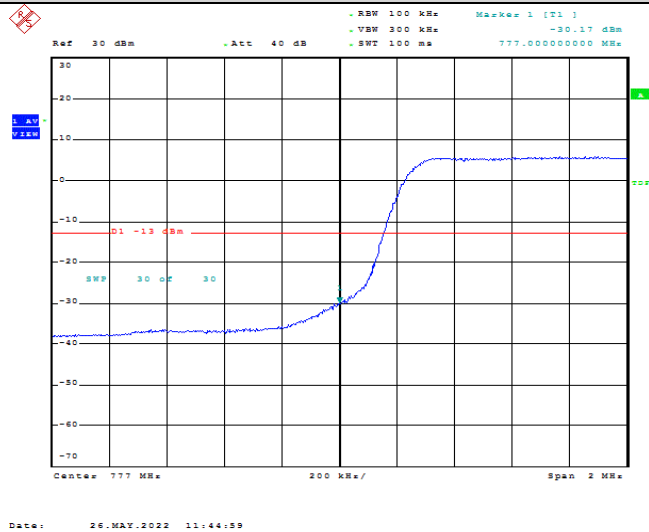
Band13-5MHz-QPSK-23255-25RB#0



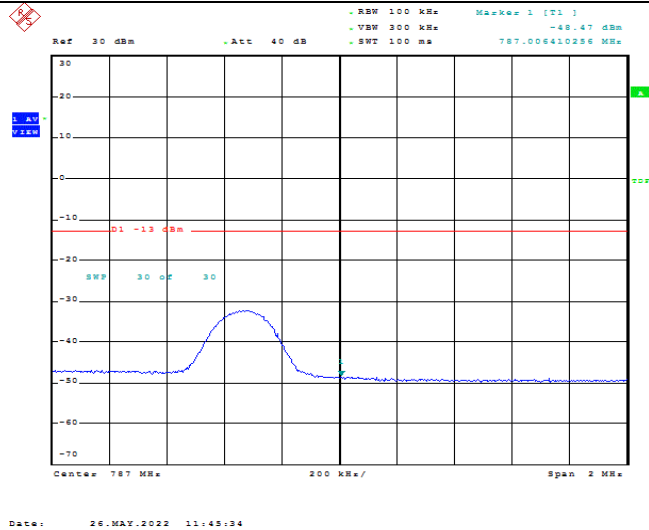
Band13-5MHz-16QAM-23205-1RB#0



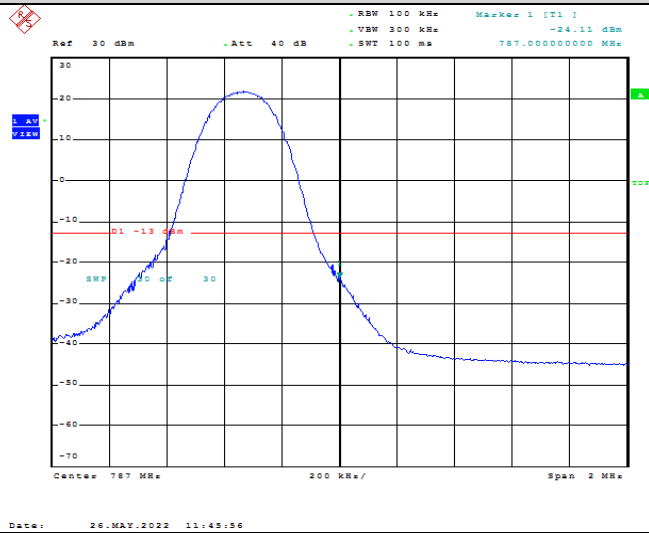
Band13-5MHz-16QAM-23205-1RB#24



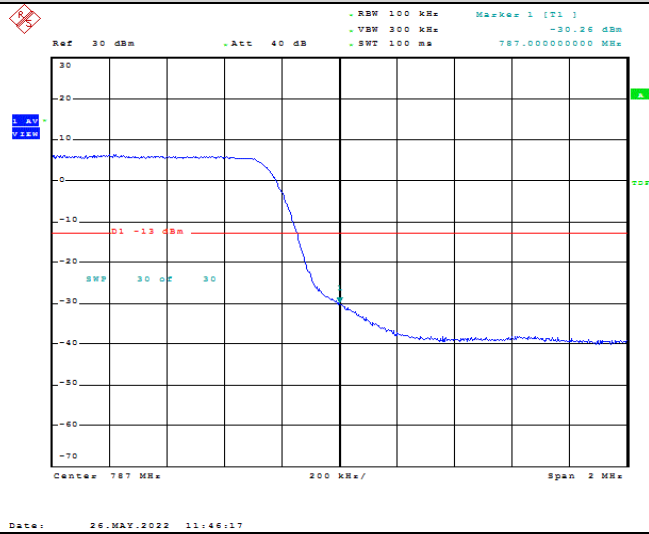
Band13-5MHz-16QAM-23205-25RB#0



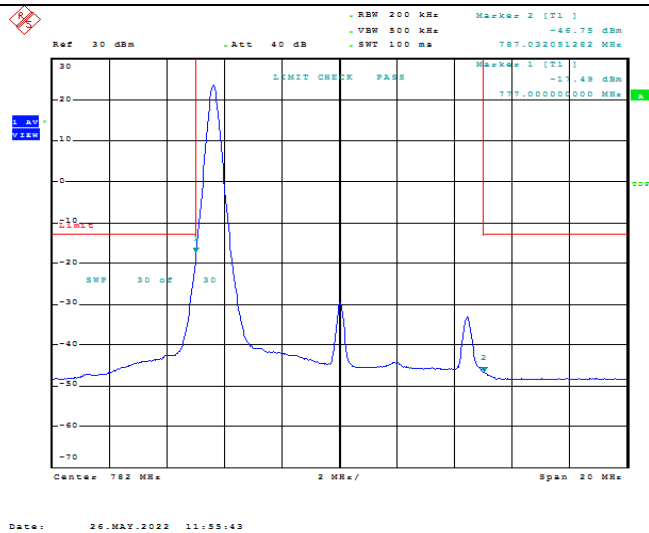
Band13-5MHz-16QAM-23255-1RB#0



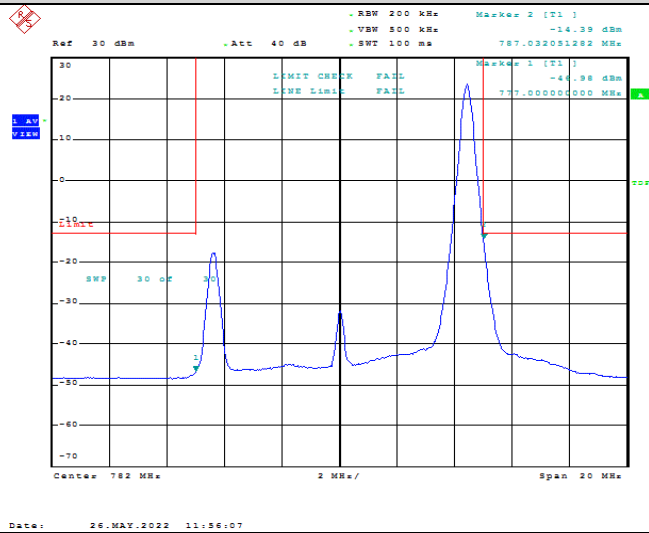
Band13-5MHz-16QAM-23255-1RB#24



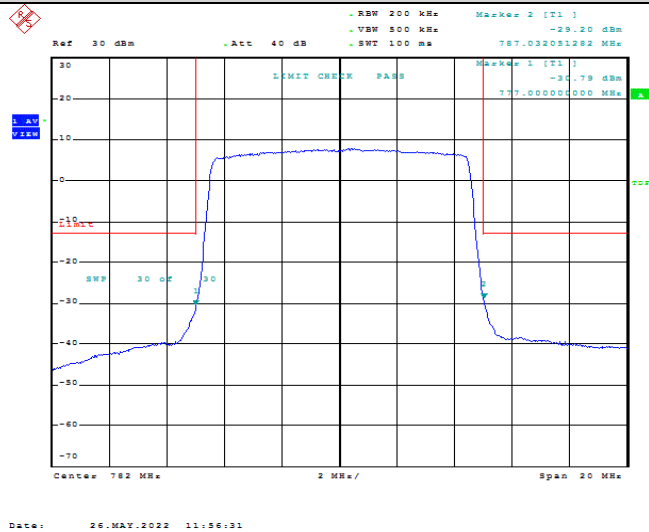
Band13-5MHz-16QAM-23255-25RB#0



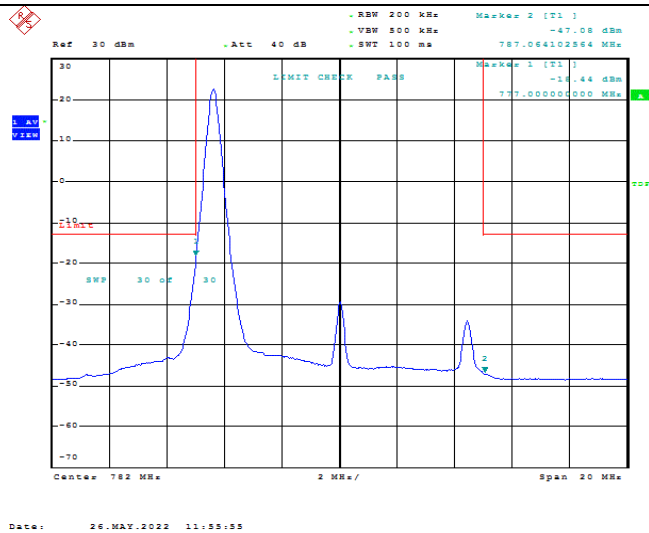
Band13-10MHz-QPSK-23230-1RB#0



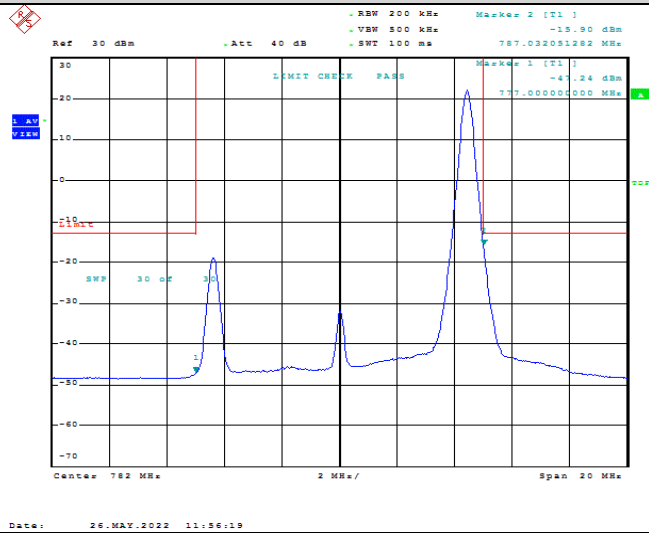
Band13-10MHz-QPSK-23230-1RB#49



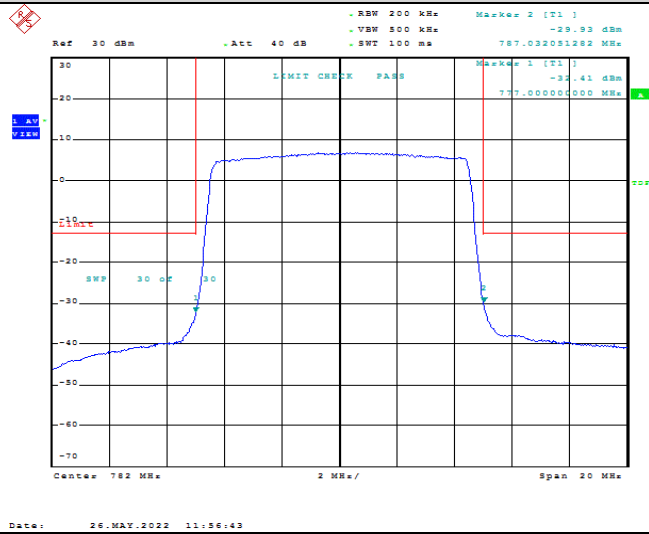
Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0



Band13-10MHz-16QAM-23230-1RB#49



Band13-10MHz-16QAM-23230-50RB#0

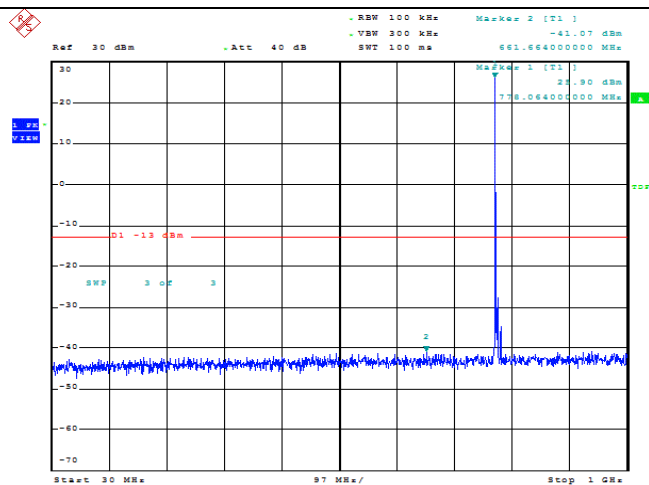
1.5. Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-41.07	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:763~775MHz	-51.92	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range4:793~805MHz	-70.28	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~10000MHz	-31.44	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range1:1559~1610MHz	-51.54	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-40.6	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:763~775MHz	-65.59	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range4:793~805MHz	-70.48	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-34.59	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:1559~1610MHz	-51.56	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-40.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:763~775MHz	-59.67	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range4:793~805MHz	-70.71	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~10000MHz	-33.87	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:1559~1610MHz	-50.95	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-41.22	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:763~775MHz	-51.88	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range4:793~805MHz	-70.85	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~10000MHz	-33.48	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:1559~1610MHz	-51.09	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-41.1	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:763~775MHz	-66.25	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range4:793~805MHz	-70.85	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-32.13	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:1559~1610MHz	-51.78	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-41.11	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:763~775MHz	-61.71	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:793~805MHz	-70.5	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~10000MHz	-35.19	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:1559~1610MHz	-50.89	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-41.17	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:763~775MHz	-52.42	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range4:793~805MHz	-46.63	PASS

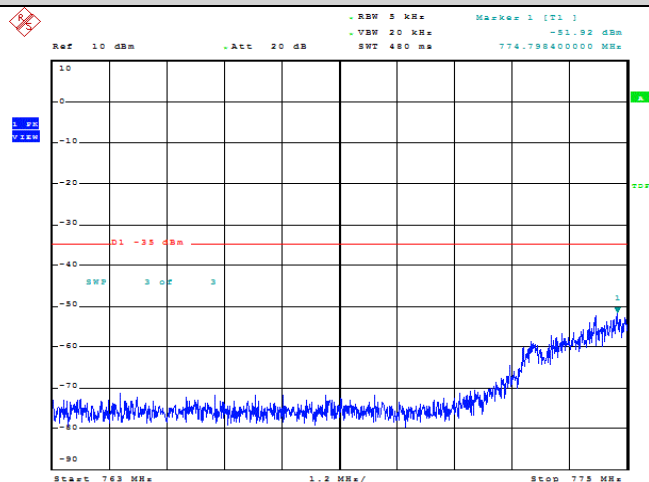
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-34.6	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range5:1559~1610MHz	-51.96	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-41.34	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:763~775MHz	-53.43	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range4:793~805MHz	-44.87	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-35.59	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range5:1559~1610MHz	-51.26	PASS

Test Graphs



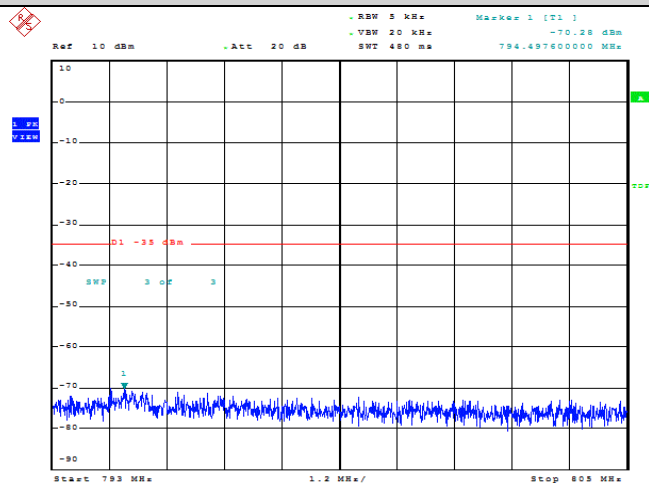
Date: 26.MAY.2022 11:50:16

Band13-5MHz-QPSK-23205-1RB#0-Range1:30~1000MHz



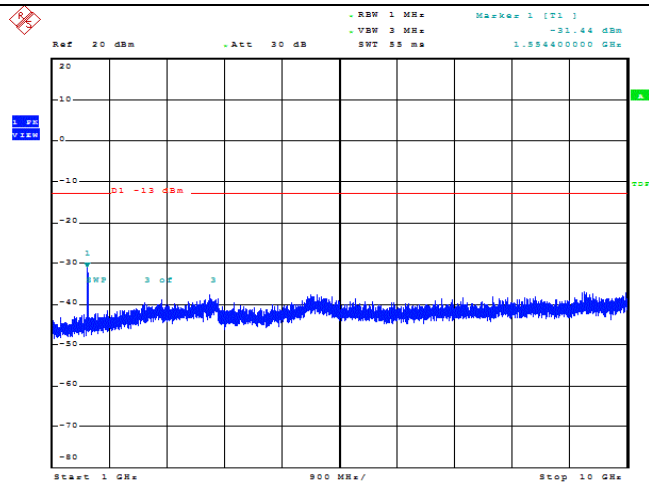
Date: 26.MAY.2022 11:50:35

Band13-5MHz-QPSK-23205-1RB#0-Range3:763~775MHz



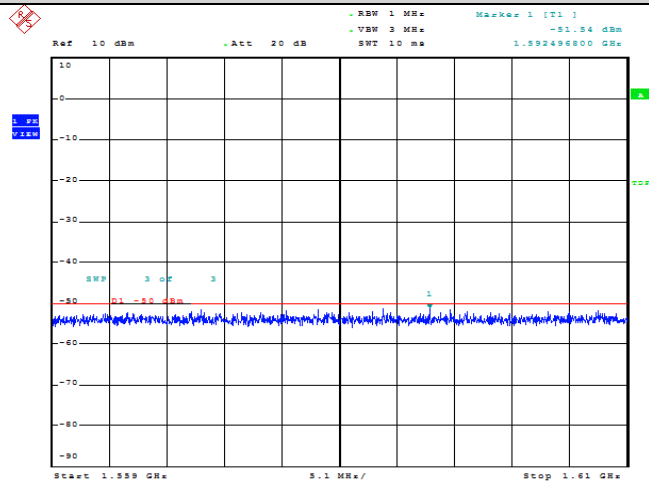
Date: 26.MAY.2022 11:50:42

Band13-5MHz-QPSK-23205-1RB#0-Range4:793~805MHz



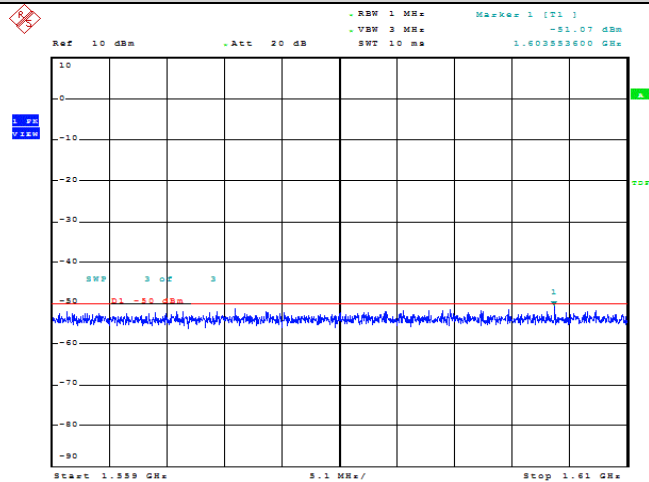
Date: 26.MAY.2022 11:50:26

Band13-5MHz-QPSK-23205-1RB#0-Range2:1000~10000MHz



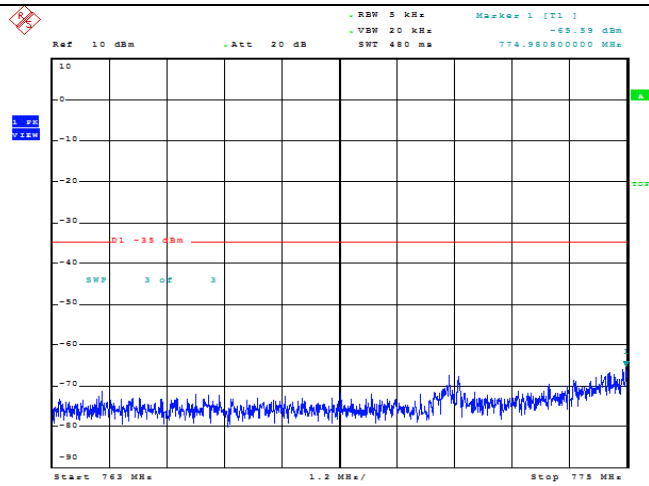
Date: 26.MAY.2022 12:02:46

Band13-5MHz-QPSK-23205-1RB#0-Range1:1559~1610MHz



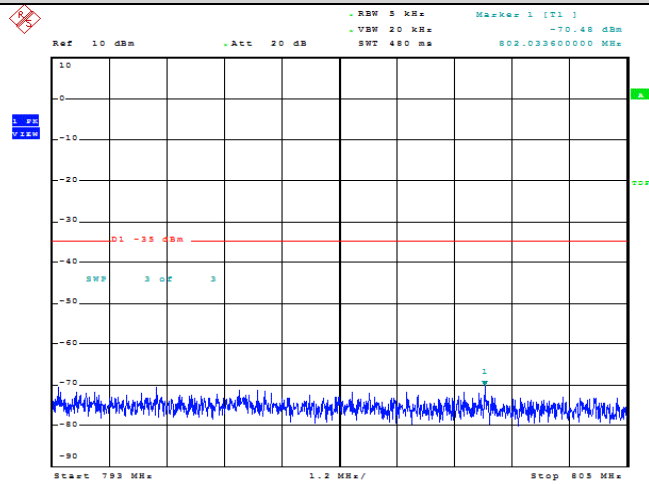
Date: 26.MAY.2022 11:50:49

Band13-5MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



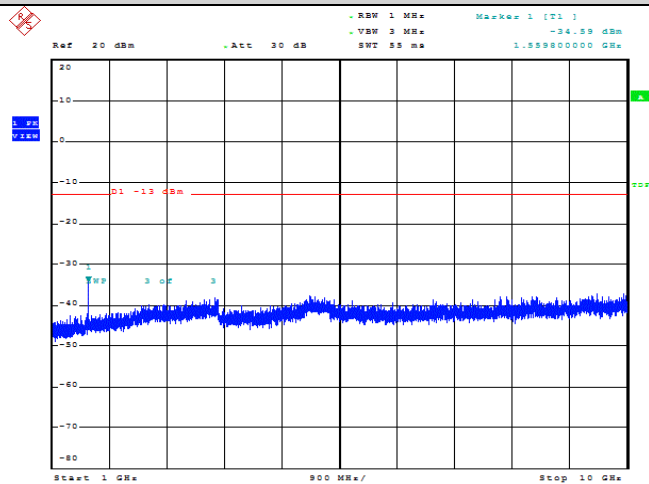
Date: 26.MAY.2022 11:52:05

Band13-5MHz-QPSK-23230-1RB#0-Range3:763~775MHz



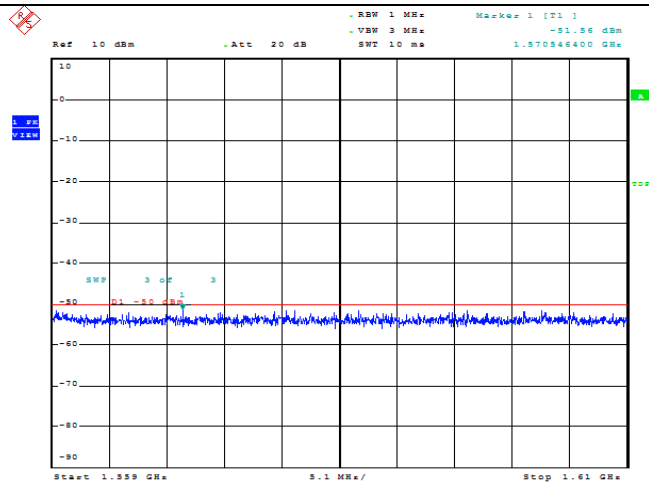
Date: 26.MAY.2022 11:52:12

Band13-5MHz-QPSK-23230-1RB#0-Range4:793~805MHz



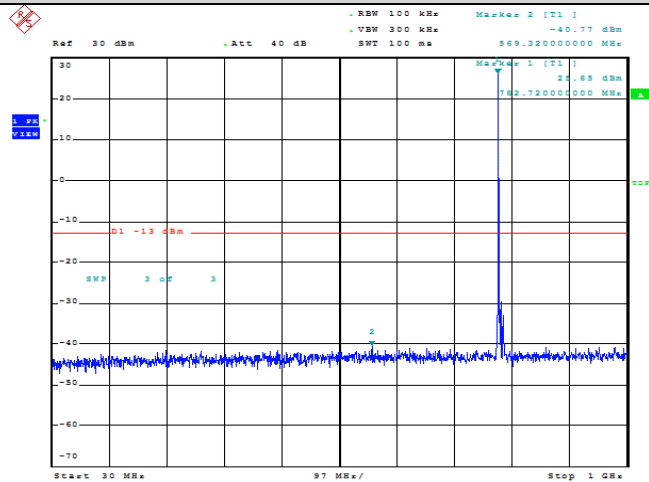
Date: 26.MAY.2022 11:53:56

Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



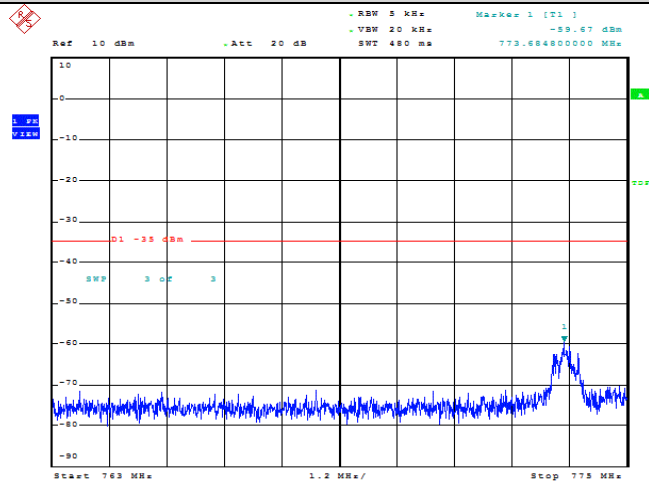
Date: 26.MAY.2022 12:03:06

Band13-5MHz-QPSK-23230-1RB#0-Range1:1559~1610MHz



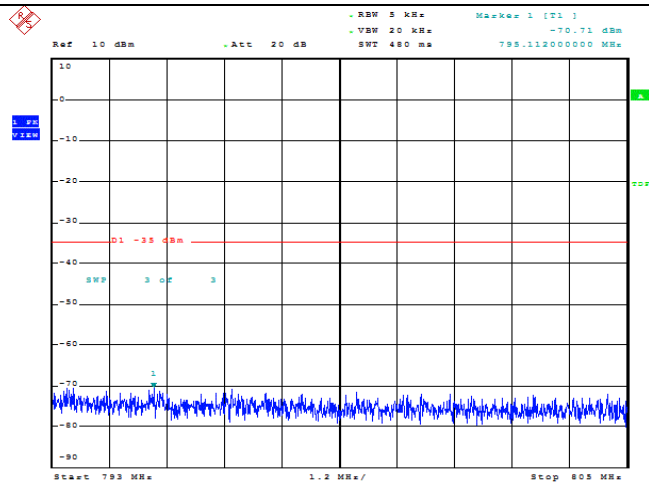
Date: 26.MAY.2022 11:53:16

Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000MHz



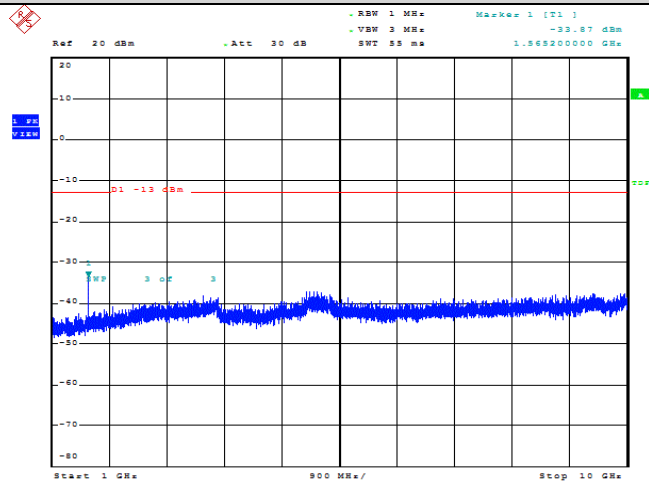
Date: 26.MAY.2022 11:53:35

Band13-5MHz-QPSK-23255-1RB#0-Range3:763~775MHz



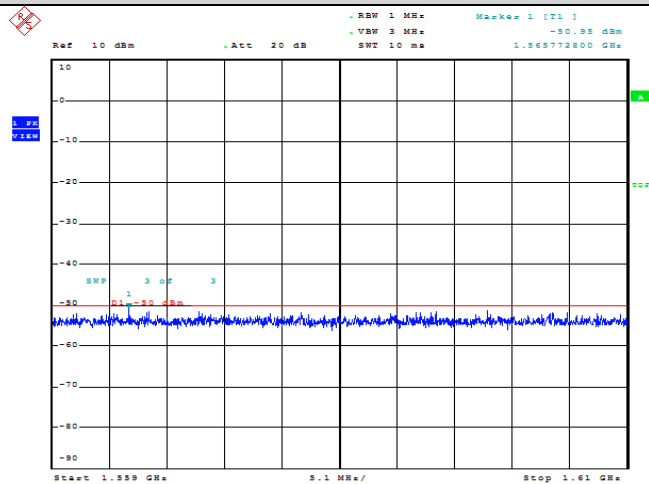
Date: 26.MAY.2022 11:53:42

Band13-5MHz-QPSK-23255-1RB#0-Range4:793~805MHz



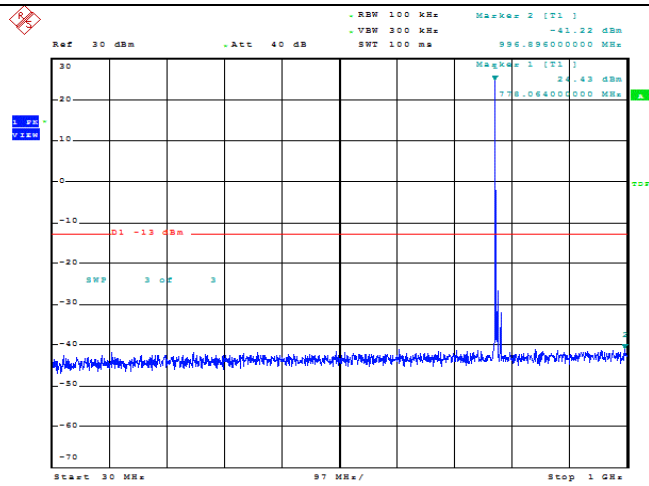
Date: 26.MAY.2022 11:53:26

Band13-5MHz-QPSK-23255-1RB#0-Range2:1000~10000MHz



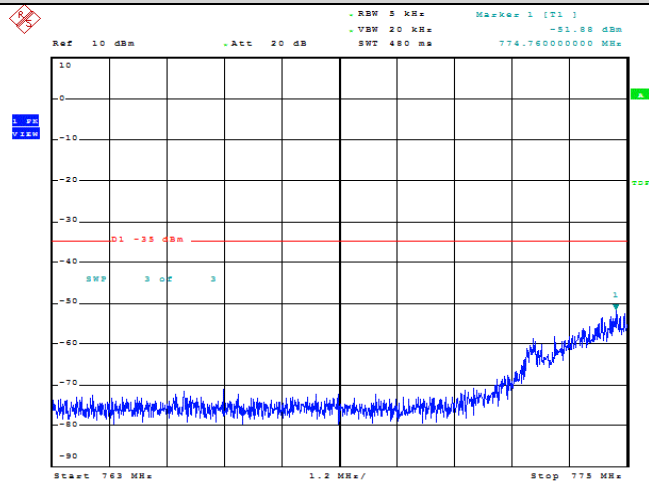
Date: 26.MAY.2022 12:03:26

Band13-5MHz-QPSK-23255-1RB#0-Range1:1559~1610MHz



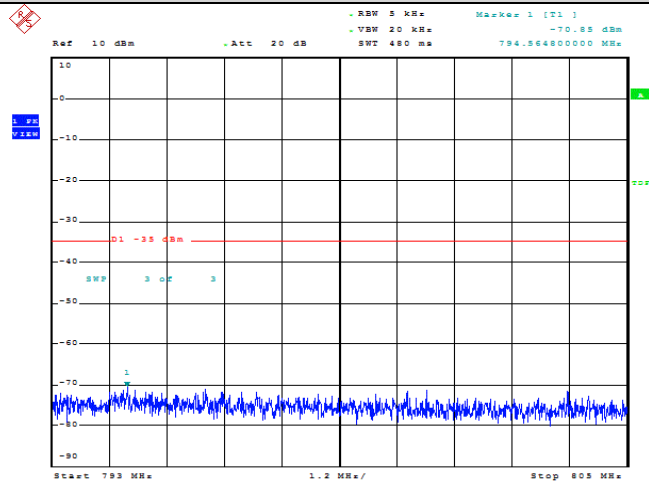
Date: 26.MAY.2022 11:51:00

Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



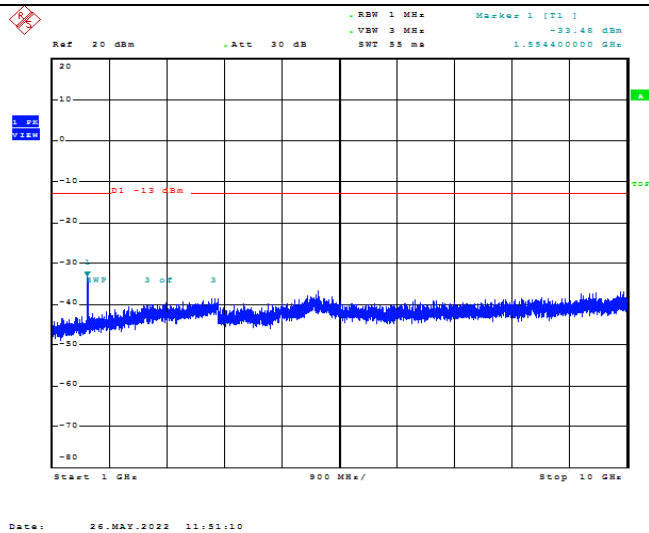
Date: 26.MAY.2022 11:51:19

Band13-5MHz-16QAM-23205-1RB#0-Range3:763~775MHz

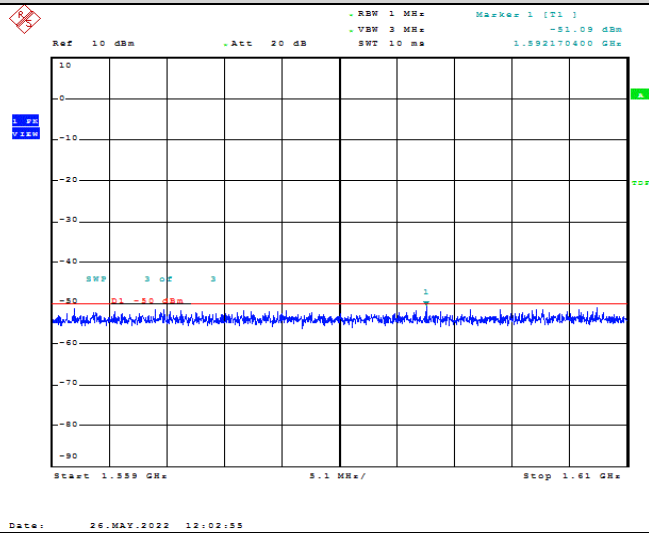


Date: 26.MAY.2022 11:51:25

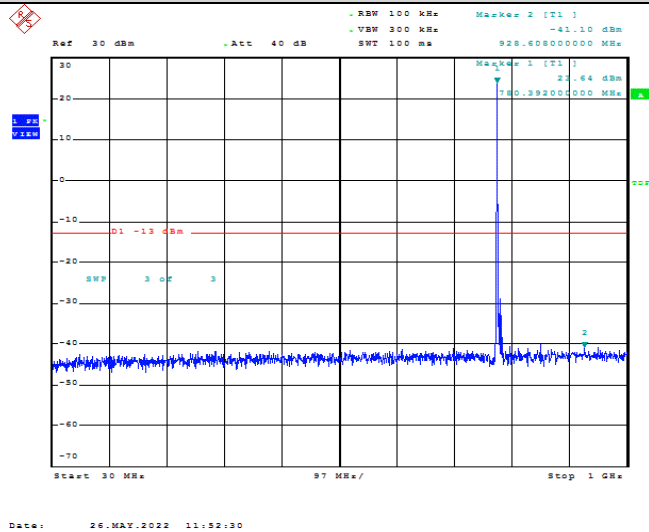
Band13-5MHz-16QAM-23205-1RB#0-Range4:793~805MHz



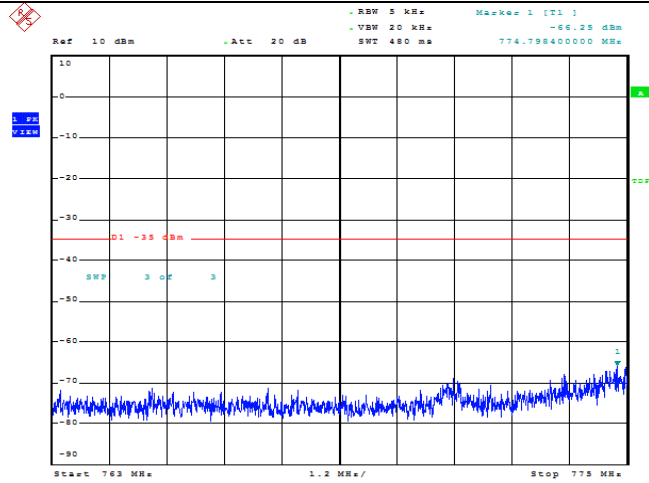
Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~10000MHz



Band13-5MHz-16QAM-23205-1RB#0-Range1:1559~1610MHz

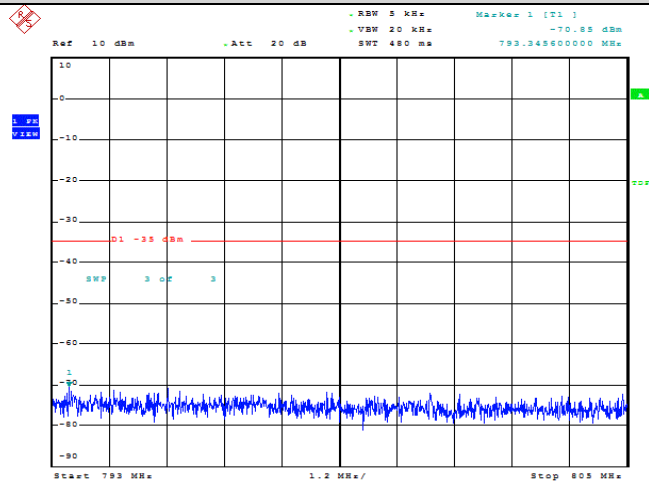


Band13-5MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



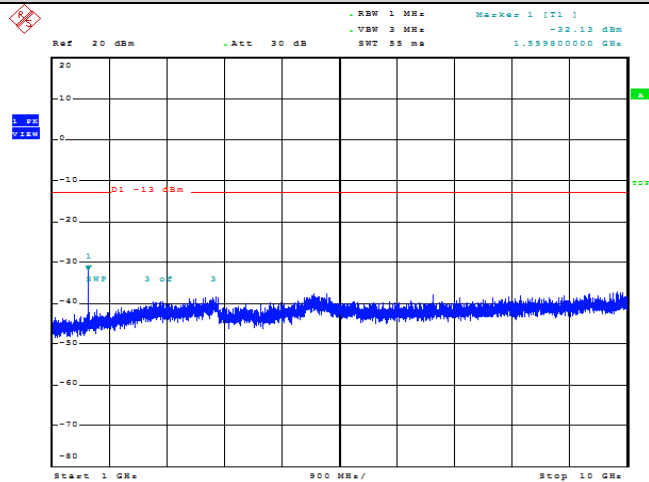
Date: 26.MAY.2022 11:52:49

Band13-5MHz-16QAM-23230-1RB#0-Range3:763~775MHz



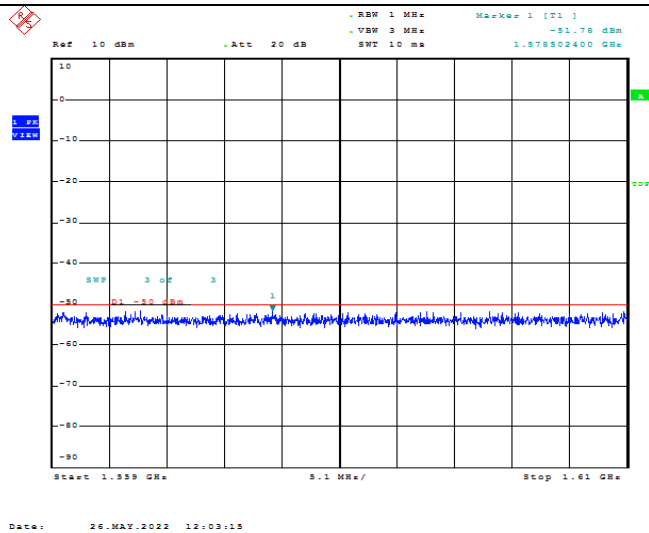
Date: 26.MAY.2022 11:52:55

Band13-5MHz-16QAM-23230-1RB#0-Range4:793~805MHz

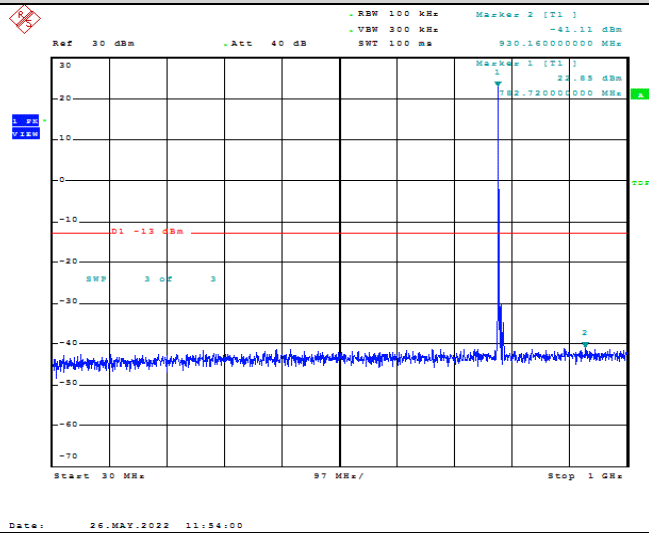


Date: 26.MAY.2022 11:52:40

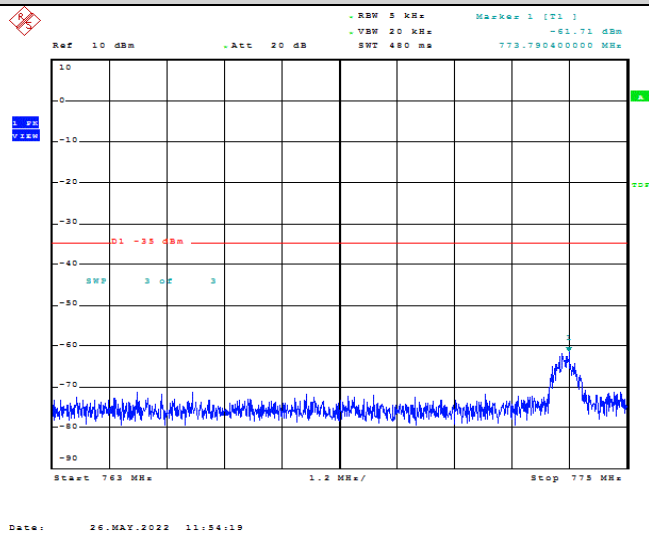
Band13-5MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



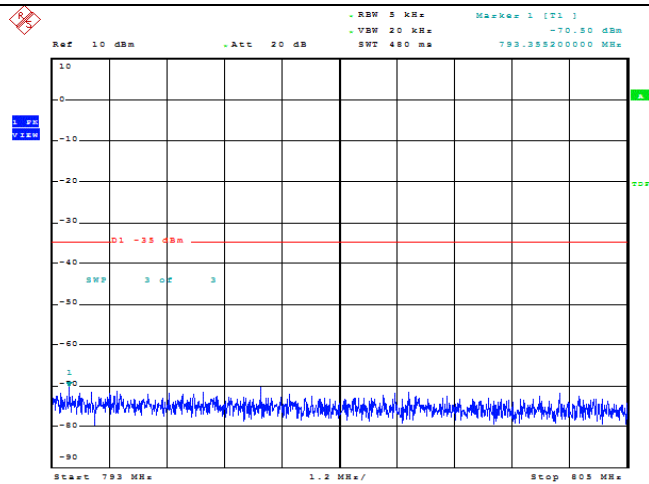
Band13-5MHz-16QAM-23230-1RB#0-Range1:1559~1610MHz



Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz

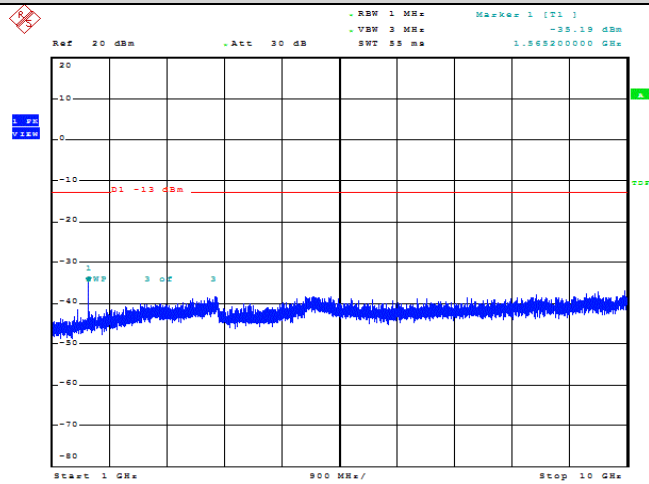


Band13-5MHz-16QAM-23255-1RB#0-Range3:763~775MHz



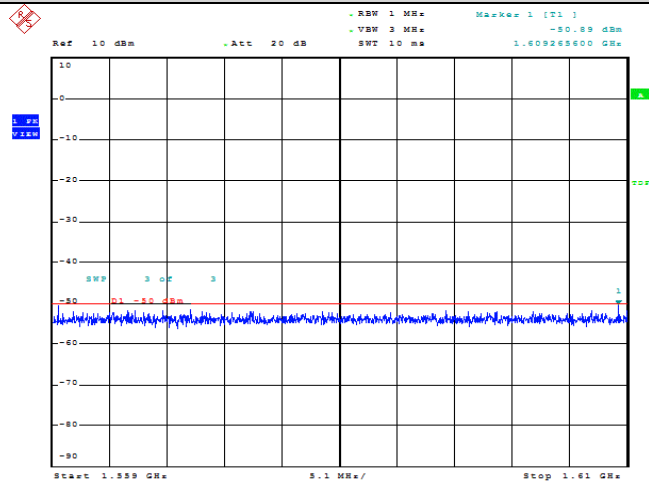
Date: 26.MAY.2022 11:54:25

Band13-5MHz-16QAM-23255-1RB#0-Range4:793~805MHz



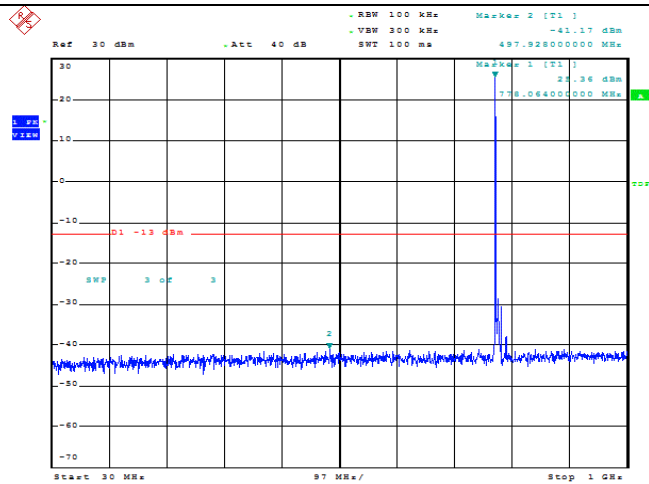
Date: 26.MAY.2022 11:54:10

Band13-5MHz-16QAM-23255-1RB#0-Range2:1000~10000MHz



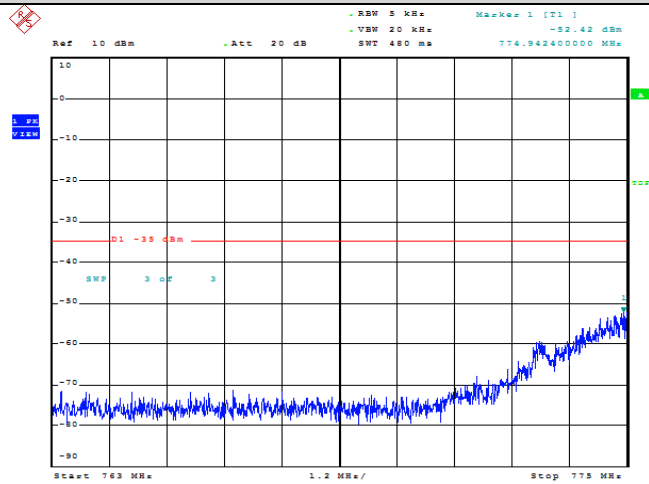
Date: 26.MAY.2022 12:03:35

Band13-5MHz-16QAM-23255-1RB#0-Range1:1559~1610MHz



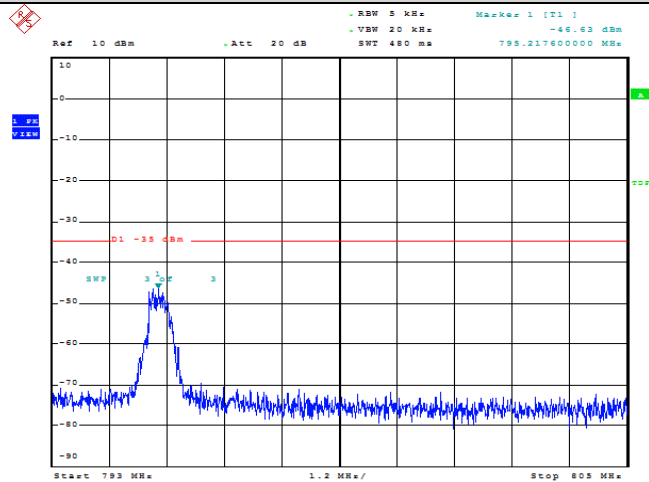
Date: 26.MAY.2022 11:56:55

Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



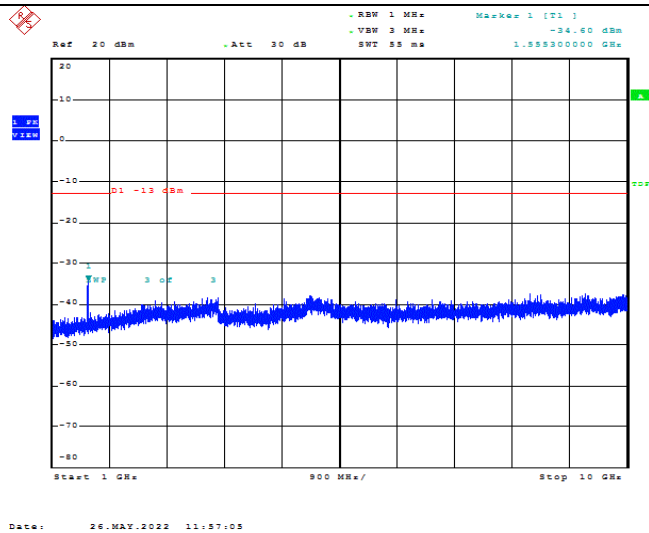
Date: 26.MAY.2022 11:57:14

Band13-10MHz-QPSK-23230-1RB#0-Range3:763~775MHz

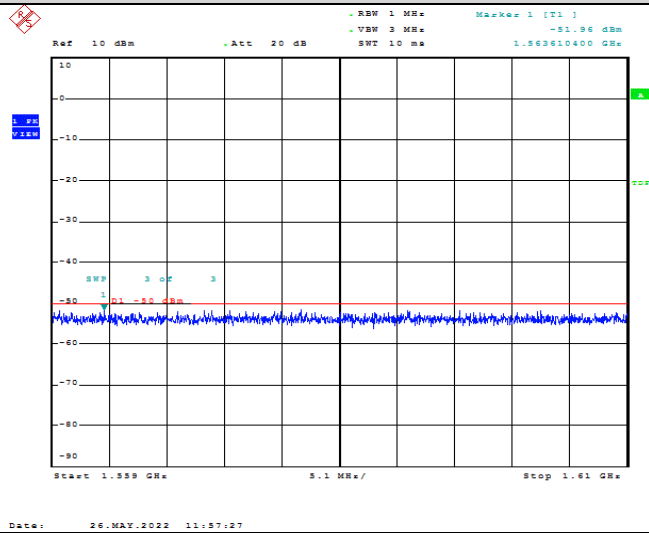


Date: 26.MAY.2022 11:57:20

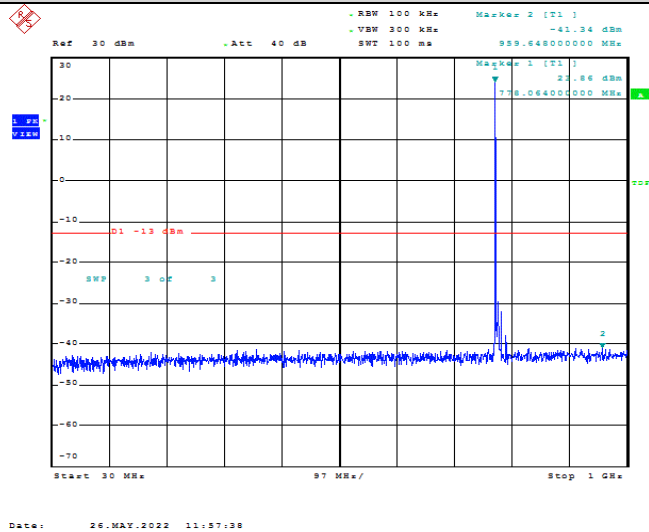
Band13-10MHz-QPSK-23230-1RB#0-Range4:793~805MHz



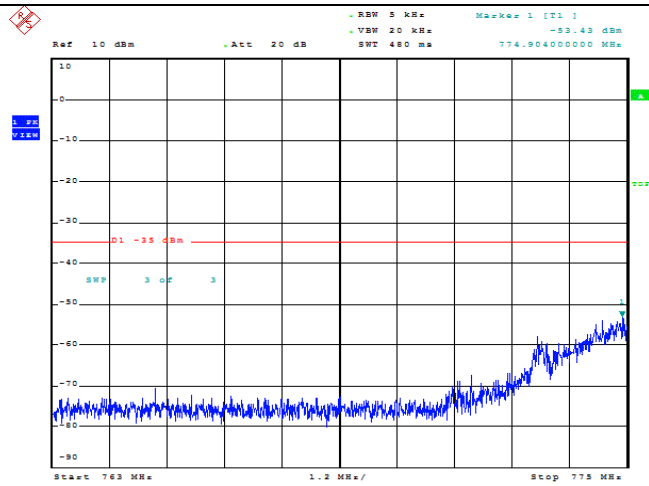
Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



Band13-10MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz

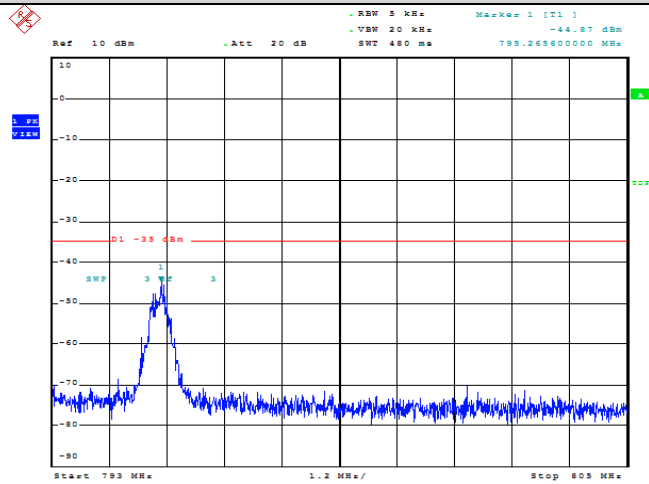


Band13-10MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



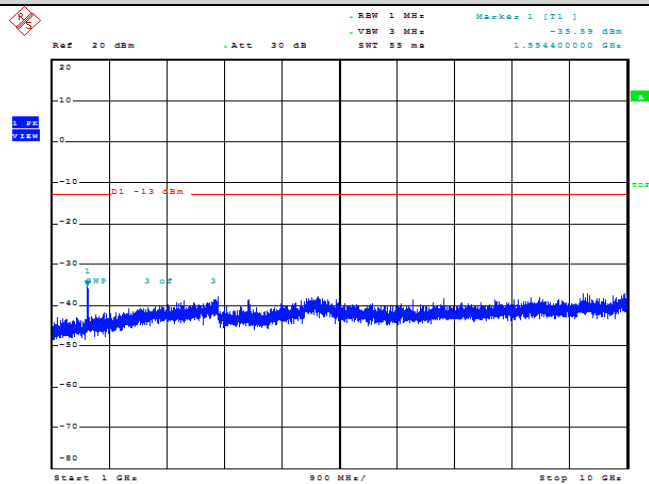
Date: 26.MAY.2022 11:57:58

Band13-10MHz-16QAM-23230-1RB#0-Range3:763~775MHz



Date: 26.MAY.2022 11:58:04

Band13-10MHz-16QAM-23230-1RB#0-Range4:793~805MHz



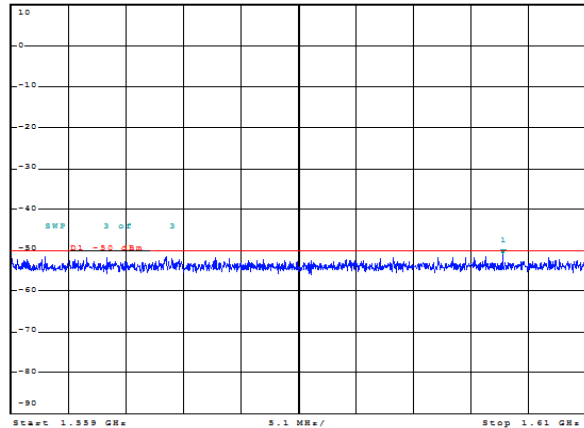
Date: 26.MAY.2022 11:57:49

Band13-10MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



10
-10
-20
-30
-40
-50
-60
-70
-80
-90

Ref 10 dBm Att 20 dB RBW 1 MHz Marker 1 [71]
VBW 3 MHz -51.26 dBm
SWT 10 ms 1.602615200 GHz



Date: 26.MAY.2022 11:58:11

Band13-10MHz-16QAM-23230-1RB#0-Range5:1559~1610MHz

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
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-3.29	-0.004221	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-2.27	-0.002912	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	-4.03	-0.005170	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	1.99	0.002545	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	1.57	0.002008	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-3.15	-0.004028	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	1.60	0.002040	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-2.25	-0.002868	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-1.07	-0.001364	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-4.35	-0.005581	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-4.25	-0.005452	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-2.70	-0.003464	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-3.81	-0.004872	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	1.47	0.001880	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-2.69	-0.003440	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-1.82	-0.002320	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-2.63	-0.003352	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-1.53	-0.001950	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-1.62	-0.002072	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-3.72	-0.004757	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-4.25	-0.005435	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-5.11	-0.006535	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	3.02	0.003862	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	-2.40	-0.003069	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-5.59	-0.007171	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-3.23	-0.004144	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-2.53	-0.003246	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	-3.96	-0.005080	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-1.43	-0.001835	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	45	-3.12	-0.004003	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-1.83	-0.002340	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-2.96	-0.003785	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	1.89	0.002417	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	-1.69	-0.002161	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-2.53	-0.003235	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	45	-1.95	-0.002494	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-2.70	-0.003442	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-2.23	-0.002843	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-1.49	-0.001899	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-1.89	-0.002409	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-3.03	-0.003862	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	45	-2.15	-0.002741	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-1.57	-0.002014	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-2.42	-0.003105	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-3.13	-0.004015	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-2.30	-0.002951	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-2.92	-0.003746	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	45	-2.98	-0.003823	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-4.38	-0.005601	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-1.62	-0.002072	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-1.86	-0.002379	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-1.14	-0.001458	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	1.43	0.001829	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	45	-2.78	-0.003555	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-3.28	-0.004181	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	-2.13	-0.002715	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	0.93	0.001185	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	1.90	0.002422	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	-1.72	-0.002192	±2.5	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	45	1.66	0.002116	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-1.46	-0.001867	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	1.50	0.001918	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	2.98	0.003811	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	2.09	0.002673	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-2.17	-0.002775	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	45	-2.27	-0.002903	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-1.83	-0.002340	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-2.69	-0.003440	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-2.45	-0.003133	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-1.60	-0.002046	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-2.60	-0.003325	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	45	-2.62	-0.003350	±2.5	PASS

-----END-----