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## **Appendix for LTE Band 17**

**Applicant: Imin Technology Pte Ltd**

**Address: 63 Ubi Ave 1 #07-02 63@Ubi Singapore 408937**

**Product Name: Mobile POS**

**Model: M2-203**

**FCC ID: 2AYD5-M2-203**

## TABLE OF CONTENTS

<b>1</b>	<b>Summary of Test Results Data and Graph</b> .....	<b>3</b>
1.1.	Appendix A: Conducted Power Output Data .....	3
1.2.	Appendix B: Peak-to-Average Ratio(CCDF) .....	6
1.3.	Appendix C: 26dB Bandwidth and Occupied Bandwidth.....	16
1.4.	Appendix D: Band Edge.....	22
1.5.	Appendix E: Conducted Spurious Emission.....	32
1.6.	Appendix F: Frequency Stability.....	42

# 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
Band17	5MHz	QPSK	23755	1RB#0	19.12	PASS
Band17	5MHz	QPSK	23755	1RB#12	19.35	PASS
Band17	5MHz	QPSK	23755	1RB#24	19.22	PASS
Band17	5MHz	QPSK	23755	12RB#0	18.18	PASS
Band17	5MHz	QPSK	23755	12RB#6	18.20	PASS
Band17	5MHz	QPSK	23755	12RB#13	18.29	PASS
Band17	5MHz	QPSK	23755	25RB#0	18.26	PASS
Band17	5MHz	QPSK	23790	1RB#0	19.27	PASS
Band17	5MHz	QPSK	23790	1RB#12	19.42	PASS
Band17	5MHz	QPSK	23790	1RB#24	19.28	PASS
Band17	5MHz	QPSK	23790	12RB#0	18.22	PASS
Band17	5MHz	QPSK	23790	12RB#6	18.20	PASS
Band17	5MHz	QPSK	23790	12RB#13	18.25	PASS
Band17	5MHz	QPSK	23790	25RB#0	18.28	PASS
Band17	5MHz	QPSK	23825	1RB#0	19.34	PASS
Band17	5MHz	QPSK	23825	1RB#12	19.35	PASS
Band17	5MHz	QPSK	23825	1RB#24	19.17	PASS
Band17	5MHz	QPSK	23825	12RB#0	18.25	PASS
Band17	5MHz	QPSK	23825	12RB#6	18.27	PASS
Band17	5MHz	QPSK	23825	12RB#13	18.09	PASS
Band17	5MHz	QPSK	23825	25RB#0	18.18	PASS
Band17	5MHz	16QAM	23755	1RB#0	18.14	PASS
Band17	5MHz	16QAM	23755	1RB#12	18.34	PASS
Band17	5MHz	16QAM	23755	1RB#24	18.25	PASS
Band17	5MHz	16QAM	23755	12RB#0	18.18	PASS
Band17	5MHz	16QAM	23755	12RB#6	18.17	PASS
Band17	5MHz	16QAM	23755	12RB#13	18.29	PASS
Band17	5MHz	16QAM	23755	25RB#0	17.18	PASS
Band17	5MHz	16QAM	23790	1RB#0	18.15	PASS
Band17	5MHz	16QAM	23790	1RB#12	18.20	PASS
Band17	5MHz	16QAM	23790	1RB#24	18.14	PASS
Band17	5MHz	16QAM	23790	12RB#0	18.21	PASS
Band17	5MHz	16QAM	23790	12RB#6	18.25	PASS

Band17	5MHz	16QAM	23790	12RB#13	18.26	PASS
Band17	5MHz	16QAM	23790	25RB#0	17.28	PASS
Band17	5MHz	16QAM	23825	1RB#0	18.20	PASS
Band17	5MHz	16QAM	23825	1RB#12	18.16	PASS
Band17	5MHz	16QAM	23825	1RB#24	17.97	PASS
Band17	5MHz	16QAM	23825	12RB#0	18.23	PASS
Band17	5MHz	16QAM	23825	12RB#6	18.26	PASS
Band17	5MHz	16QAM	23825	12RB#13	18.11	PASS
Band17	5MHz	16QAM	23825	25RB#0	17.13	PASS
Band17	10MHz	QPSK	23780	1RB#0	19.22	PASS
Band17	10MHz	QPSK	23780	1RB#24	19.56	PASS
Band17	10MHz	QPSK	23780	1RB#49	19.30	PASS
Band17	10MHz	QPSK	23780	25RB#0	18.26	PASS
Band17	10MHz	QPSK	23780	25RB#12	18.22	PASS
Band17	10MHz	QPSK	23780	25RB#25	18.39	PASS
Band17	10MHz	QPSK	23780	50RB#0	18.31	PASS
Band17	10MHz	QPSK	23790	1RB#0	19.29	PASS
Band17	10MHz	QPSK	23790	1RB#24	19.58	PASS
Band17	10MHz	QPSK	23790	1RB#49	19.29	PASS
Band17	10MHz	QPSK	23790	25RB#0	18.33	PASS
Band17	10MHz	QPSK	23790	25RB#12	18.30	PASS
Band17	10MHz	QPSK	23790	25RB#25	18.35	PASS
Band17	10MHz	QPSK	23790	50RB#0	18.29	PASS
Band17	10MHz	QPSK	23800	1RB#0	19.33	PASS
Band17	10MHz	QPSK	23800	1RB#24	19.62	PASS
Band17	10MHz	QPSK	23800	1RB#49	19.26	PASS
Band17	10MHz	QPSK	23800	25RB#0	18.25	PASS
Band17	10MHz	QPSK	23800	25RB#12	18.24	PASS
Band17	10MHz	QPSK	23800	25RB#25	18.23	PASS
Band17	10MHz	QPSK	23800	50RB#0	18.27	PASS
Band17	10MHz	16QAM	23780	1RB#0	18.04	PASS
Band17	10MHz	16QAM	23780	1RB#24	18.38	PASS
Band17	10MHz	16QAM	23780	1RB#49	18.05	PASS
Band17	10MHz	16QAM	23780	25RB#0	18.23	PASS
Band17	10MHz	16QAM	23780	25RB#12	18.29	PASS
Band17	10MHz	16QAM	23780	25RB#25	18.39	PASS
Band17	10MHz	16QAM	23780	50RB#0	17.26	PASS
Band17	10MHz	16QAM	23790	1RB#0	18.03	PASS

Band17	10MHz	16QAM	23790	1RB#24	18.31	PASS
Band17	10MHz	16QAM	23790	1RB#49	18.02	PASS
Band17	10MHz	16QAM	23790	25RB#0	18.33	PASS
Band17	10MHz	16QAM	23790	25RB#12	18.25	PASS
Band17	10MHz	16QAM	23790	25RB#25	18.35	PASS
Band17	10MHz	16QAM	23790	50RB#0	17.25	PASS
Band17	10MHz	16QAM	23800	1RB#0	18.30	PASS
Band17	10MHz	16QAM	23800	1RB#24	18.43	PASS
Band17	10MHz	16QAM	23800	1RB#49	18.02	PASS
Band17	10MHz	16QAM	23800	25RB#0	18.26	PASS
Band17	10MHz	16QAM	23800	25RB#12	18.24	PASS
Band17	10MHz	16QAM	23800	25RB#25	18.23	PASS
Band17	10MHz	16QAM	23800	50RB#0	17.19	PASS

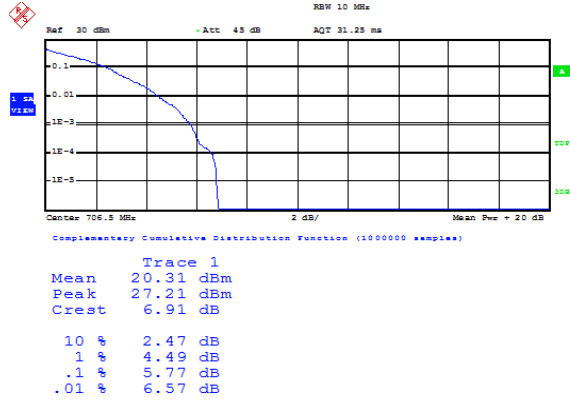
## 1.2. Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.77	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.61	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.61	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.58	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	5.22	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.58	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.99	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.22	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	6.15	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.22	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.71	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.22	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.48	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.48	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.45	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.48	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.58	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.51	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	6.03	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.31	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	6.63	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.31	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	6.38	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.28	13	PASS

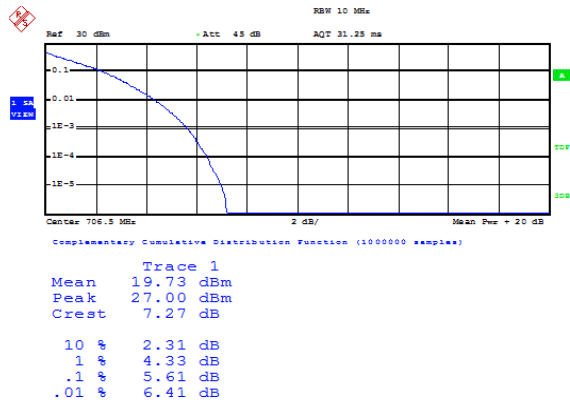
# Test Graphs

## Band17-5MHz-QPSK-23755-1RB#0



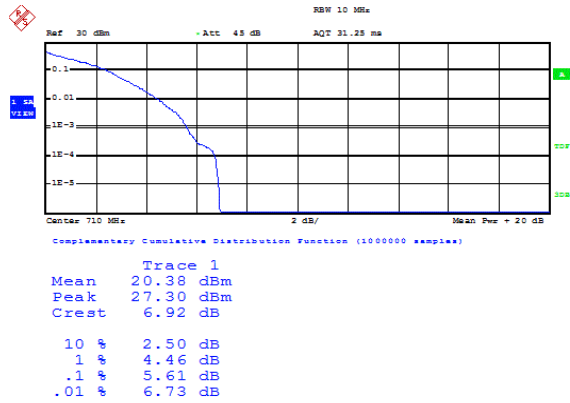
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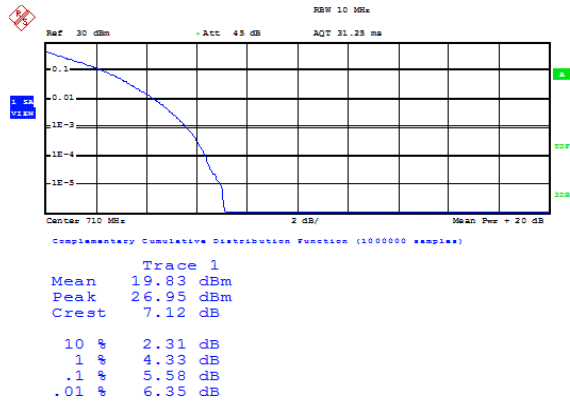
Date: 12.DEC.2020 11:56:24

## Band17-5MHz-QPSK-23790-1RB#0



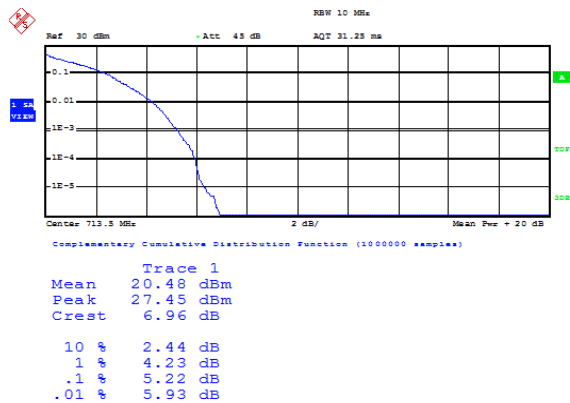
Date: 12.DEC.2020 11:54:49

### Band17-5MHz-QPSK-23790-25RB#0



Date: 12.DEC.2020 11:55:01

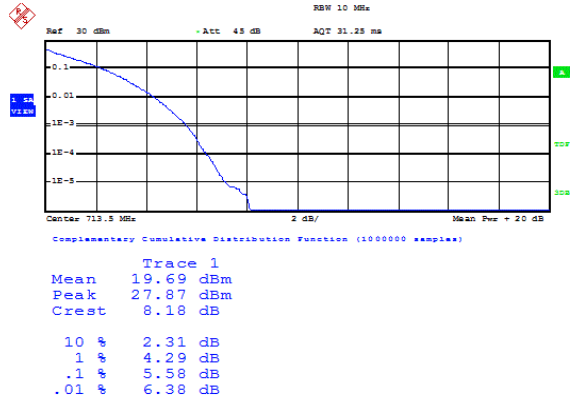
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Date: 12.DEC.2020 11:55:21

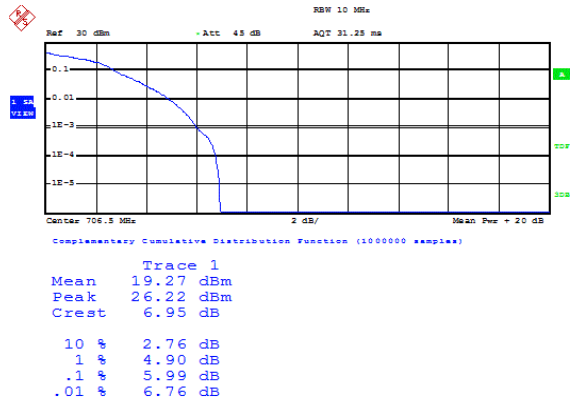
### Band17-5MHz-QPSK-23825-25RB#0





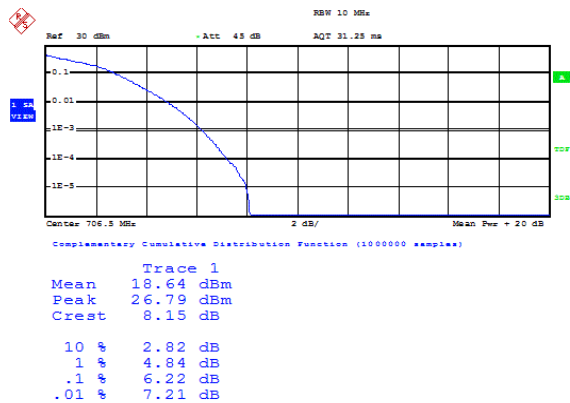
Date: 12.DEC.2020 11:55:49

### Band17-5MHz-16QAM-23755-1RB#0



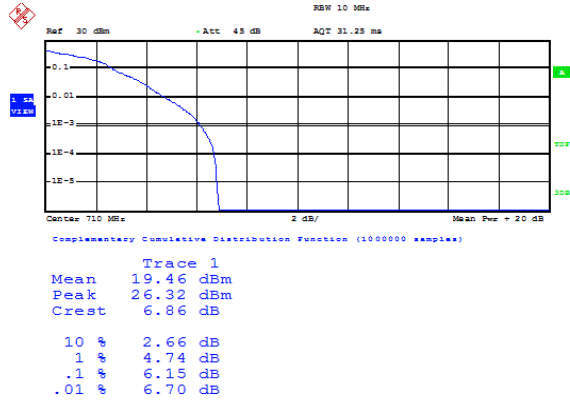
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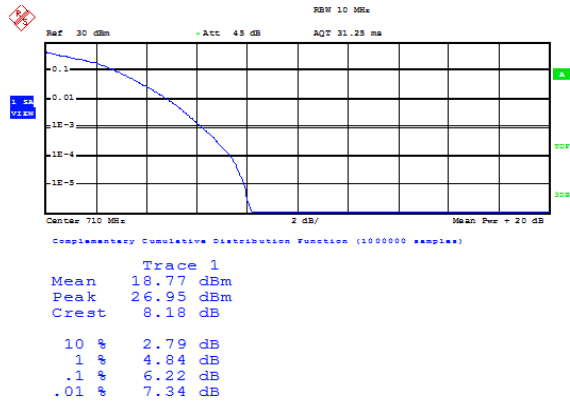
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### Band17-5MHz-16QAM-23790-1RB#0



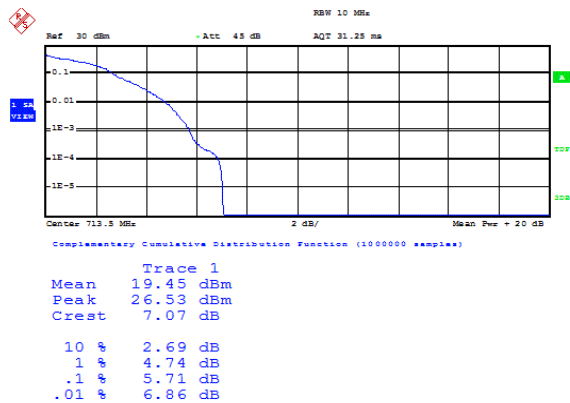
Date: 12.DEC.2020 11:54:52

### Band17-5MHz-16QAM-23790-25RB#0



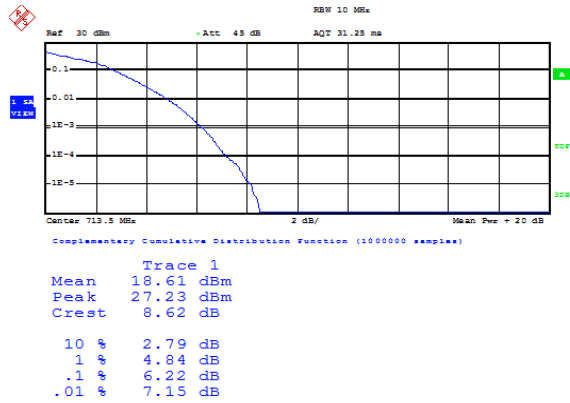
Date: 12.DEC.2020 11:55:10

### Band17-5MHz-16QAM-23825-1RB#0



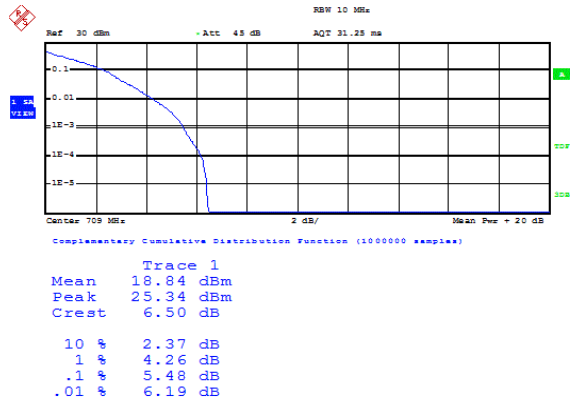
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### Band17-5MHz-16QAM-23825-25RB#0



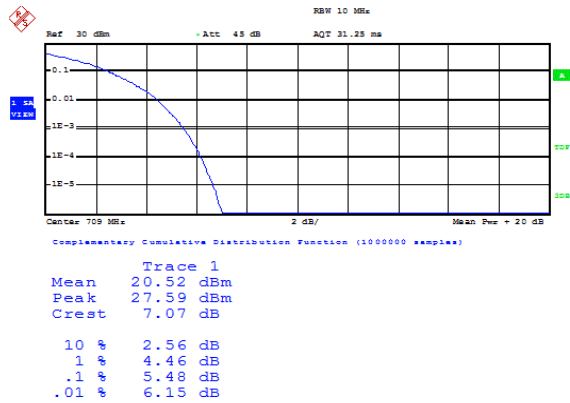
Date: 12.DEC.2020 11:55:48

Band17-10MHz-QPSK-23780-1RB#0



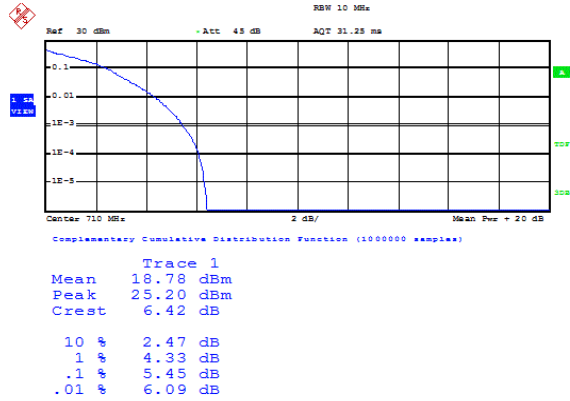
Date: 12.DEC.2020 13:59:44

Band17-10MHz-QPSK-23780-50RB#0



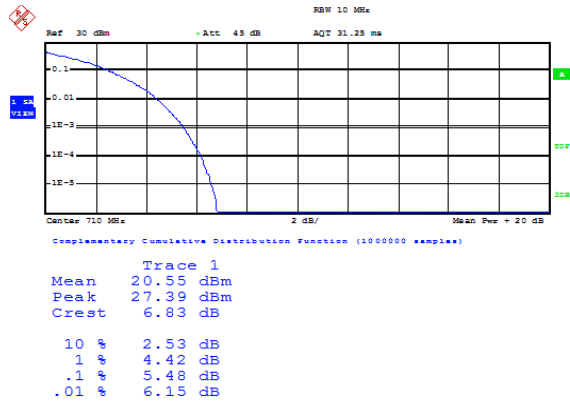
Date: 12.DEC.2020 14:00:01

Band17-10MHz-QPSK-23790-1RB#0



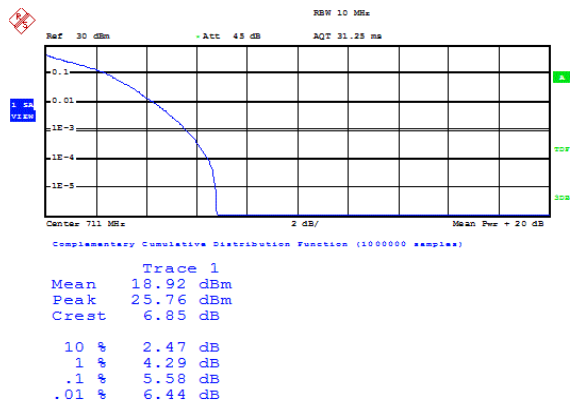
Date: 12.DEC.2020 14:00:21

### Band17-10MHz-QPSK-23790-50RB#0



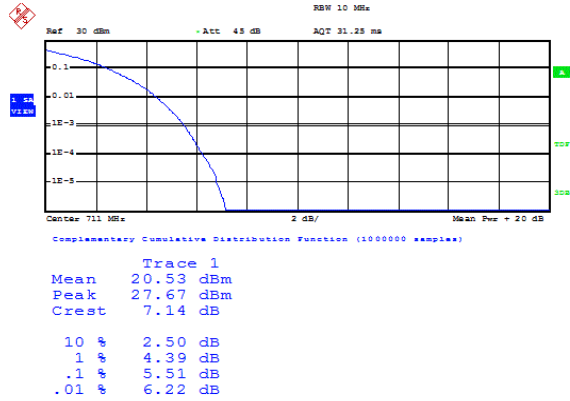
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### Band17-10MHz-QPSK-23800-1RB#0



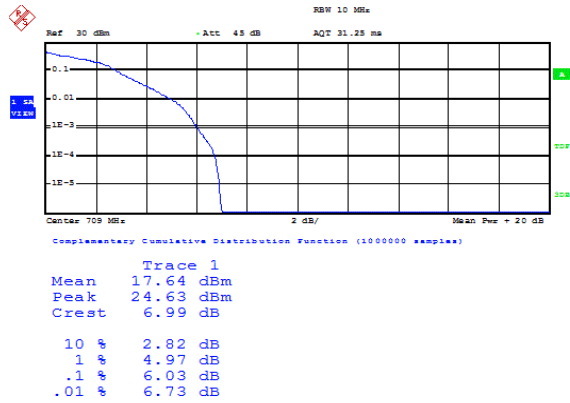
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### Band17-10MHz-QPSK-23800-50RB#0



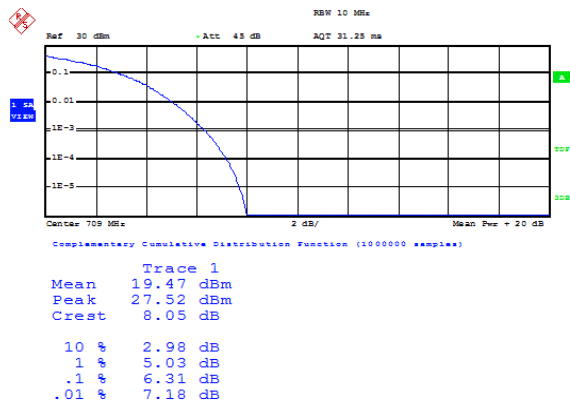
Date: 12.DEC.2020 14:01:16

### Band17-10MHz-16QAM-23780-1RB#0



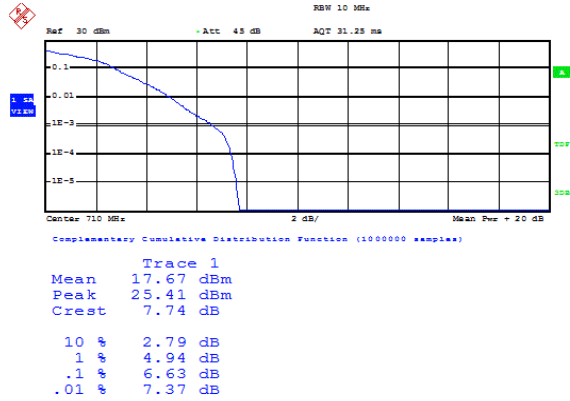
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### Band17-10MHz-16QAM-23780-50RB#0



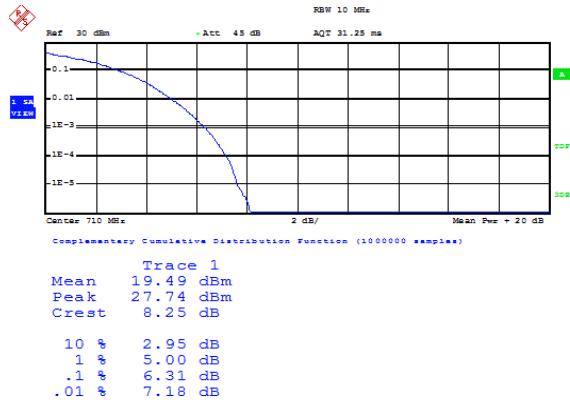
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### Band17-10MHz-16QAM-23790-1RB#0



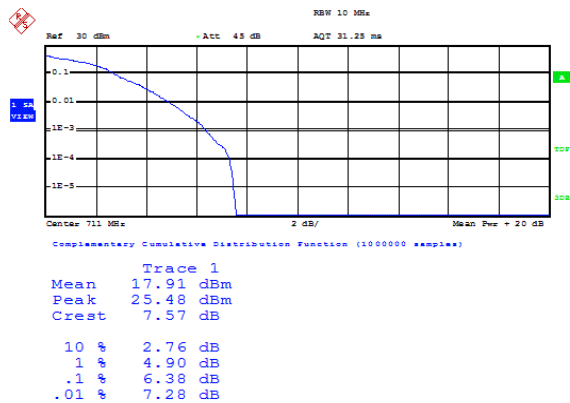
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### Band17-10MHz-16QAM-23790-50RB#0



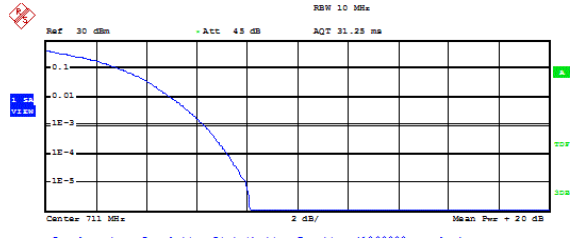
Date: 12.DEC.2020 14:00:48

### Band17-10MHz-16QAM-23800-1RB#0



Date: 12.DEC.2020 14:01:07

### Band17-10MHz-16QAM-23800-50RB#0



Complementary Cumulative Distribution Function (1000000 samples)

Trace 1  
 Mean 19.42 dBm  
 Peak 27.67 dBm  
 Crest 8.25 dB

10 %	2.95 dB
1 %	4.97 dB
.1 %	6.28 dB
.01 %	7.21 dB

Date: 12.DEC.2020 14:01:25

### 1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

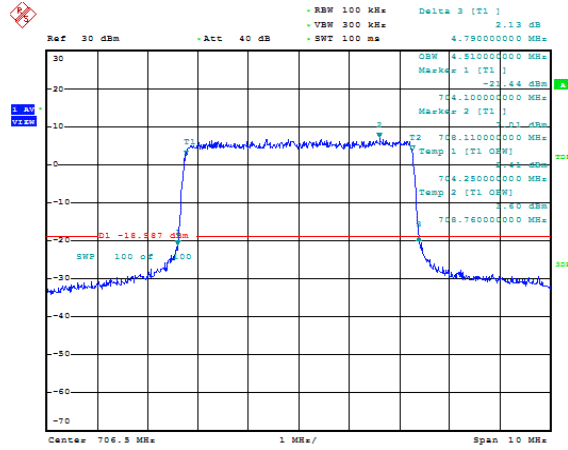
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.51	4.790	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5	4.790	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.51	4.810	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.51	4.780	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.51	4.800	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.52	4.810	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.038	10.000	PASS
Band17	10MHz	QPSK	23790	50RB#0	9	9.733	PASS
Band17	10MHz	QPSK	23800	50RB#0	9	9.700	PASS
Band17	10MHz	16QAM	23780	50RB#0	9	9.733	PASS
Band17	10MHz	16QAM	23790	50RB#0	9	9.700	PASS
Band17	10MHz	16QAM	23800	50RB#0	9	9.700	PASS



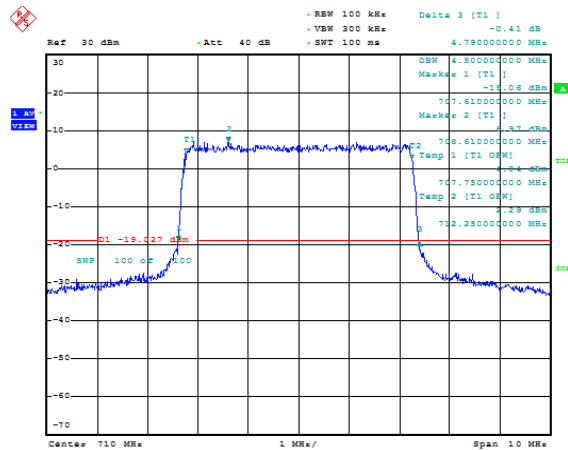
# Test Graphs

## Band17-5MHz-QPSK-23755-25RB#0-4.51



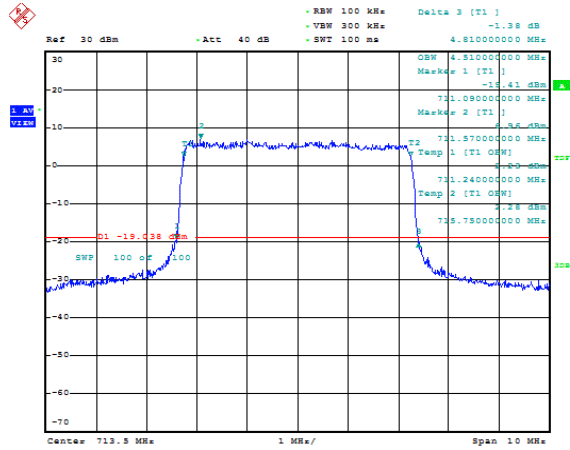
Date: 12.DEC.2020 11:49:22

## Band17-5MHz-QPSK-23790-25RB#0-4.5



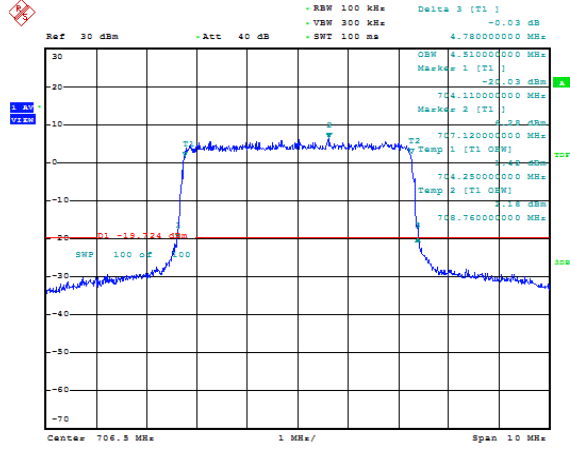
Date: 12.DEC.2020 11:49:58

## Band17-5MHz-QPSK-23825-25RB#0-4.51



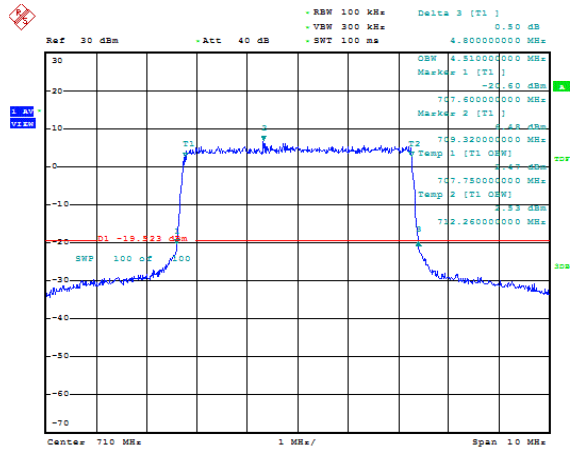
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### Band17-5MHz-16QAM-23755-25RB#0-4.51



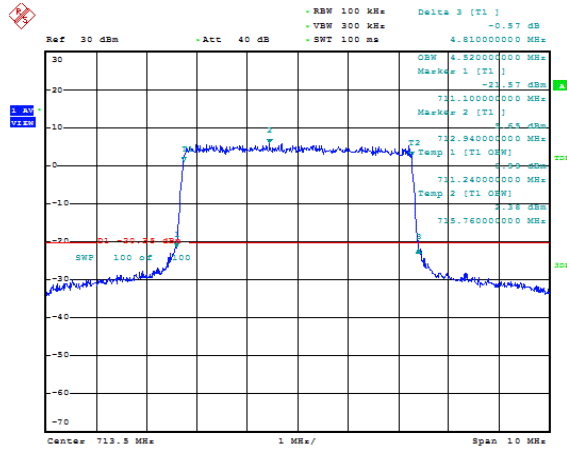
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### Band17-5MHz-16QAM-23790-25RB#0-4.51



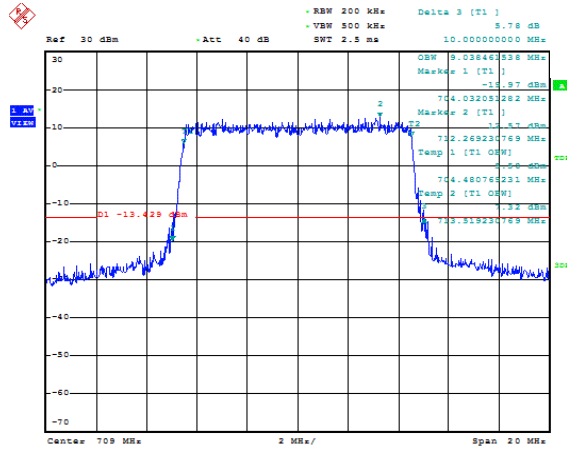
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### Band17-5MHz-16QAM-23825-25RB#0-4.52



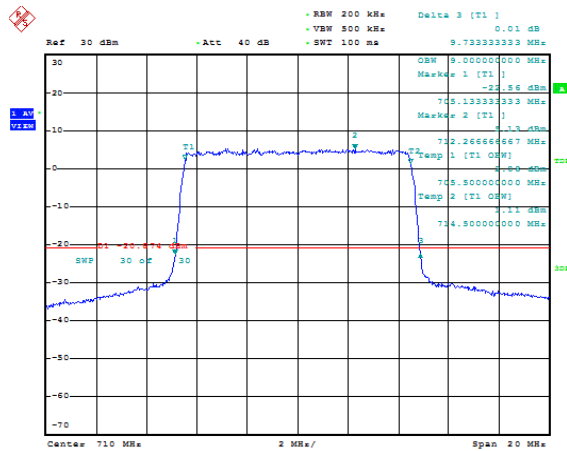
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Band17-10MHz-QPSK-23780-50RB#0-9.038



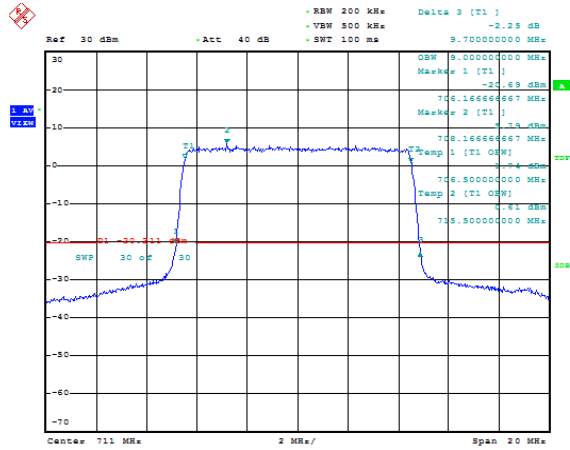
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Band17-10MHz-QPSK-23790-50RB#0-9



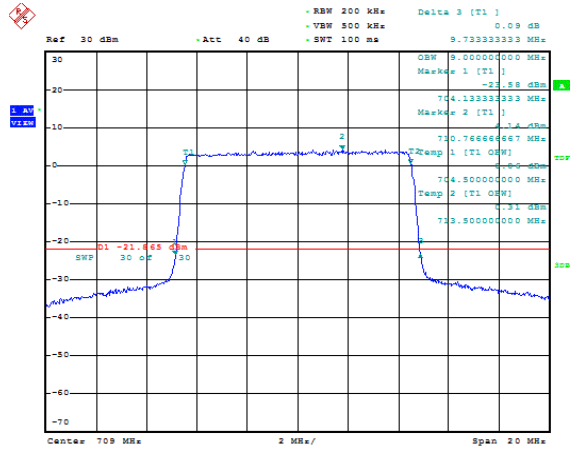
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Band17-10MHz-QPSK-23800-50RB#0-9



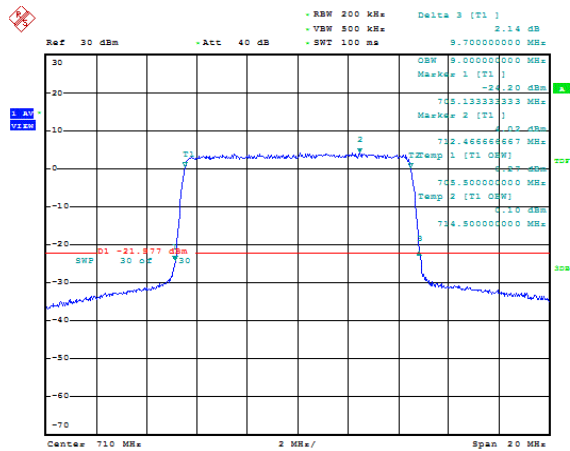
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Band17-10MHz-16QAM-23780-50RB#0-9



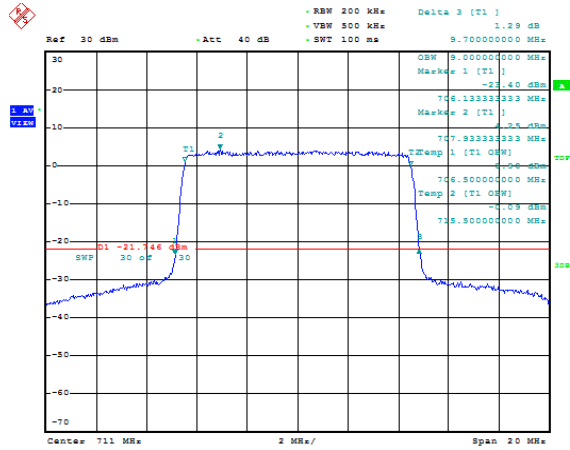
Date: 12.DEC.2020 12:09:26

Band17-10MHz-16QAM-23790-50RB#0-9



Date: 12.DEC.2020 12:09:59

Band17-10MHz-16QAM-23800-50RB#0-9



Date: 12.DEC.2020 12:10:22

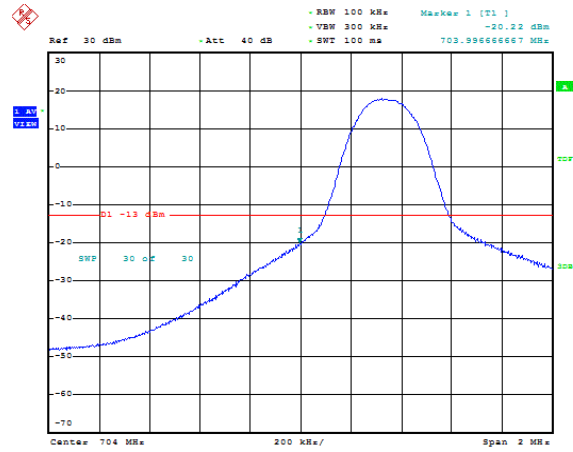
## 1.4. Appendix D: Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-20.22	PASS
Band17	5MHz	QPSK	23755	1RB#24	-47.45	PASS
Band17	5MHz	QPSK	23755	25RB#0	-27.80	PASS
Band17	5MHz	QPSK	23825	1RB#0	-47.57	PASS
Band17	5MHz	QPSK	23825	1RB#24	-20.39	PASS
Band17	5MHz	QPSK	23825	25RB#0	-28.13	PASS
Band17	5MHz	16QAM	23755	1RB#0	-21.91	PASS
Band17	5MHz	16QAM	23755	1RB#24	-47.61	PASS
Band17	5MHz	16QAM	23755	25RB#0	-28.88	PASS
Band17	5MHz	16QAM	23825	1RB#0	-47.41	PASS
Band17	5MHz	16QAM	23825	1RB#24	-20.14	PASS
Band17	5MHz	16QAM	23825	25RB#0	-29.15	PASS
Band17	10MHz	QPSK	23780	1RB#0	-21.42,-16.41	PASS
Band17	10MHz	QPSK	23780	1RB#49	-47.99,-47.74	PASS
Band17	10MHz	QPSK	23780	50RB#0	-29.97,-28.93	PASS
Band17	10MHz	QPSK	23800	1RB#0	-47.12,-47.47	PASS
Band17	10MHz	QPSK	23800	1RB#49	-16.55,-21.75	PASS
Band17	10MHz	QPSK	23800	50RB#0	-29.19,-29.90	PASS
Band17	10MHz	16QAM	23780	1RB#0	-22.82,-17.38	PASS
Band17	10MHz	16QAM	23780	1RB#49	-48.14,-47.97	PASS
Band17	10MHz	16QAM	23780	50RB#0	-30.59,-29.69	PASS
Band17	10MHz	16QAM	23800	1RB#0	-47.26,-47.67	PASS
Band17	10MHz	16QAM	23800	1RB#49	-18.18,-23.29	PASS
Band17	10MHz	16QAM	23800	50RB#0	-29.86,-30.67	PASS

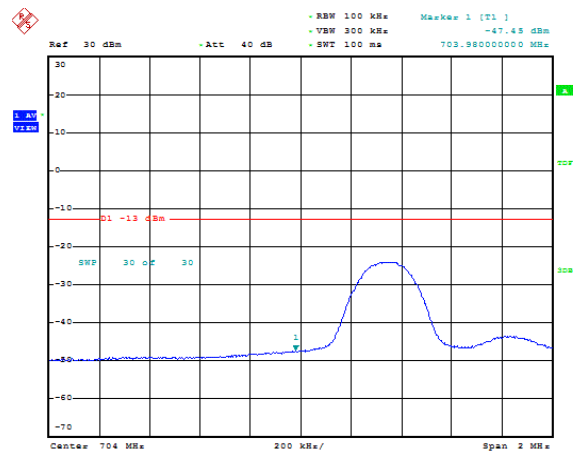
# Test Graphs

Band17-5MHz-QPSK-23755-1RB#0



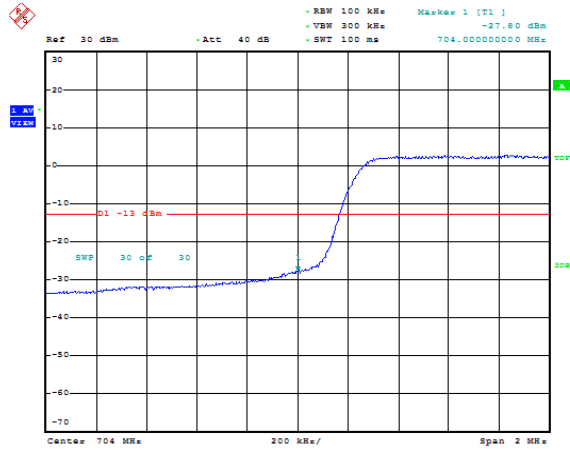
Date: 12.DEC.2020 11:45:09

Band17-5MHz-QPSK-23755-1RB#24



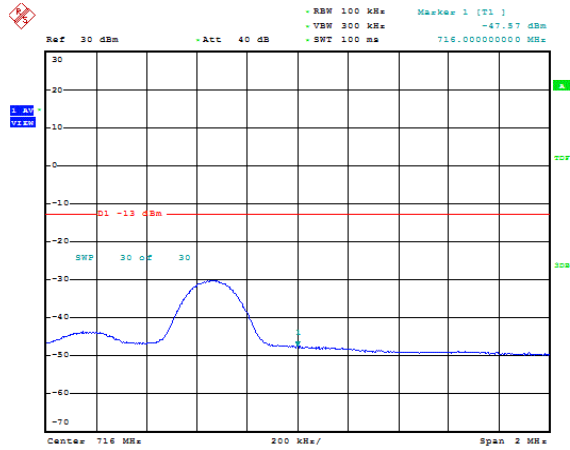
Date: 12.DEC.2020 11:45:28

Band17-5MHz-QPSK-23755-25RB#0



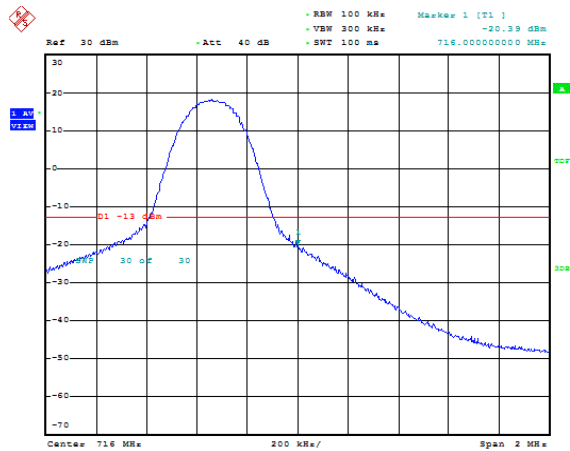
Date: 12.DEC.2020 11:45:47

### Band17-5MHz-QPSK-23825-1RB#0



Date: 12.DEC.2020 11:46:20

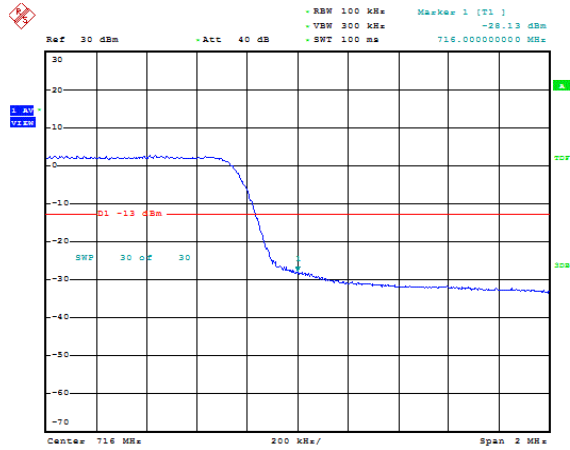
### Band17-5MHz-QPSK-23825-1RB#24



Date: 12.DEC.2020 11:46:39

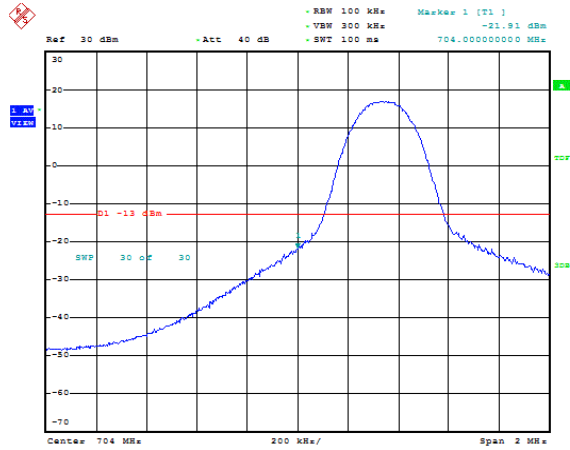
### Band17-5MHz-QPSK-23825-25RB#0





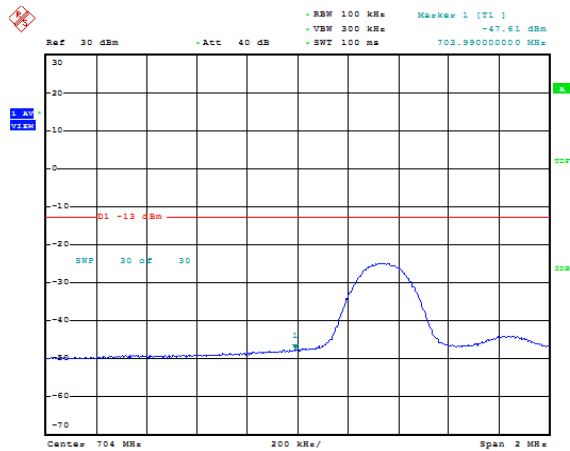
Date: 12. DEC. 2020 11:46:59

**Band17-5MHz-16QAM-23755-1RB#0**



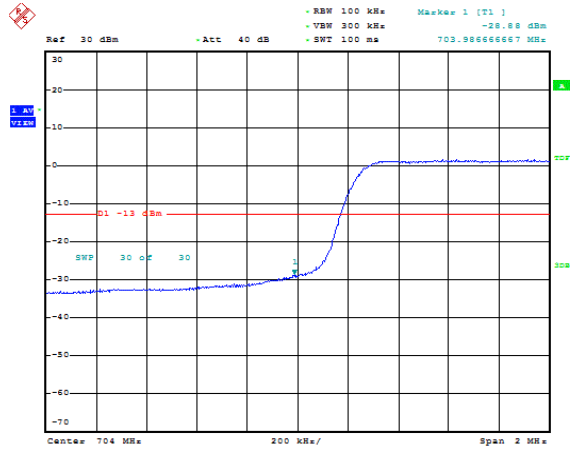
Date: 12. DEC. 2020 11:45:18

**Band17-5MHz-16QAM-23755-1RB#24**



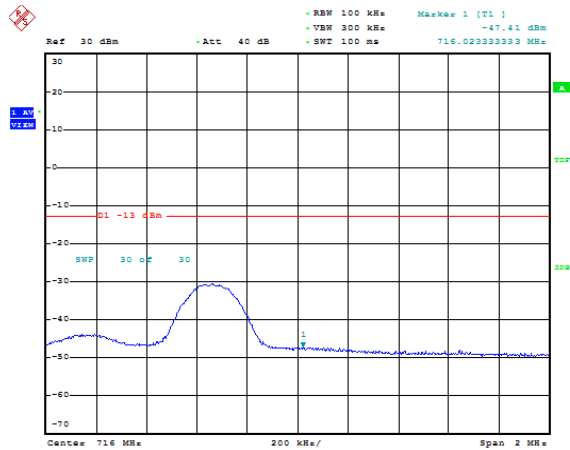
Date: 12. DEC. 2020 11:45:38

**Band17-5MHz-16QAM-23755-25RB#0**



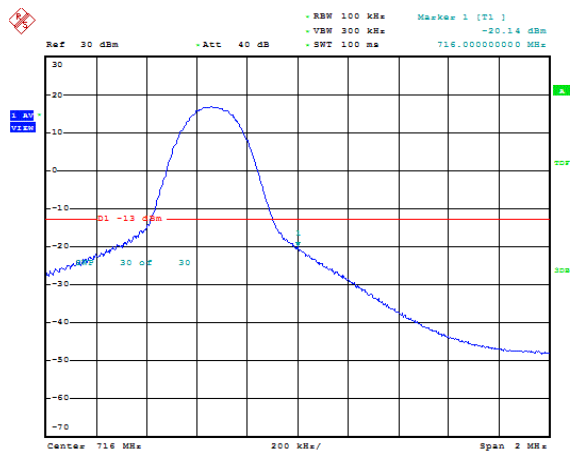
Date: 12.DEC.2020 11:45:57

### Band17-5MHz-16QAM-23825-1RB#0



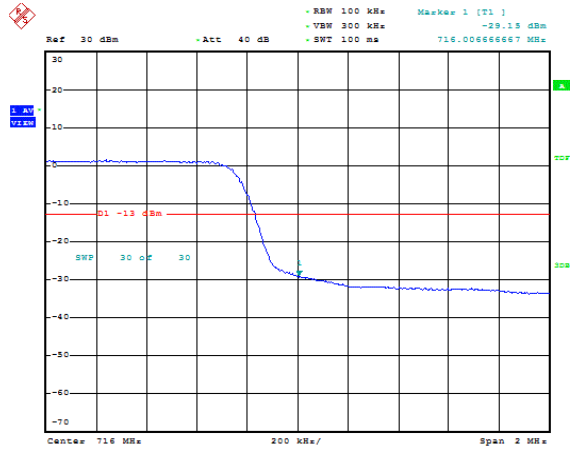
Date: 12.DEC.2020 11:46:30

### Band17-5MHz-16QAM-23825-1RB#24



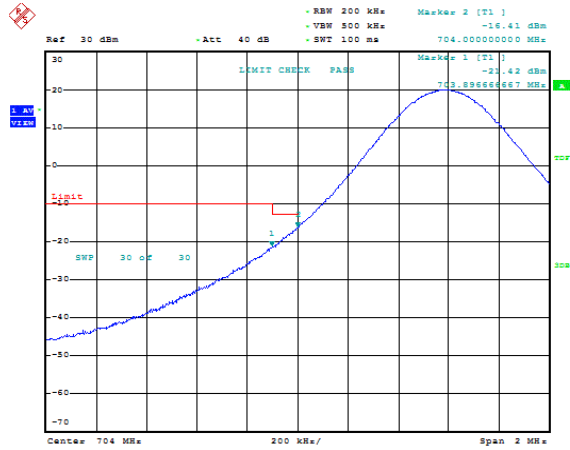
Date: 12.DEC.2020 11:46:49

### Band17-5MHz-16QAM-23825-25RB#0



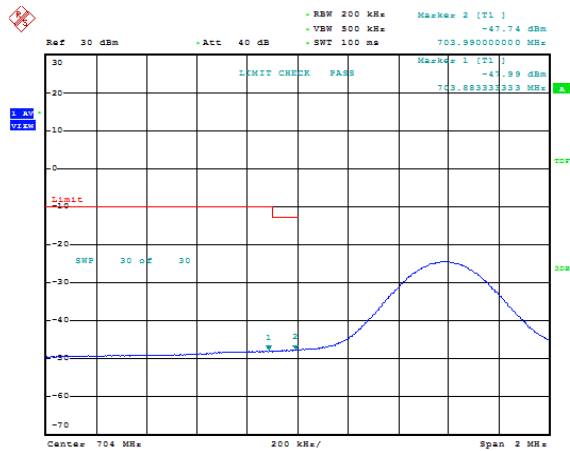
Date: 12.DEC.2020 11:47:09

### Band17-10MHz-QPSK-23780-1RB#0



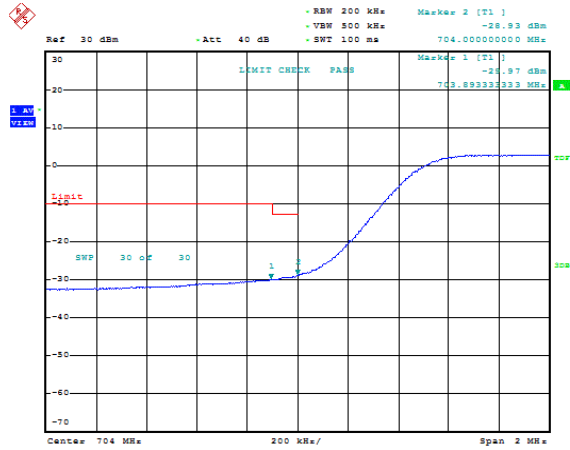
Date: 12.DEC.2020 12:10:40

### Band17-10MHz-QPSK-23780-1RB#49



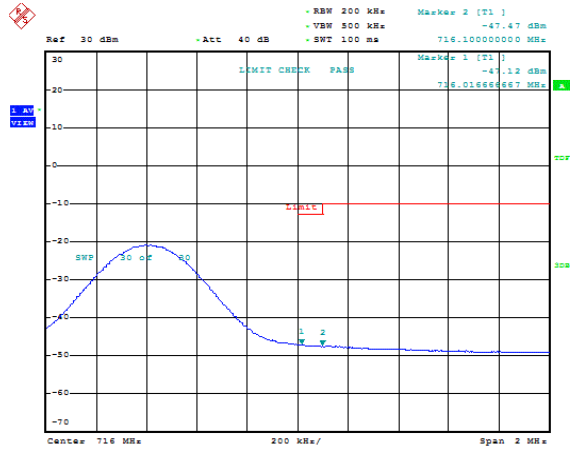
Date: 12.DEC.2020 12:11:01

### Band17-10MHz-QPSK-23780-50RB#0



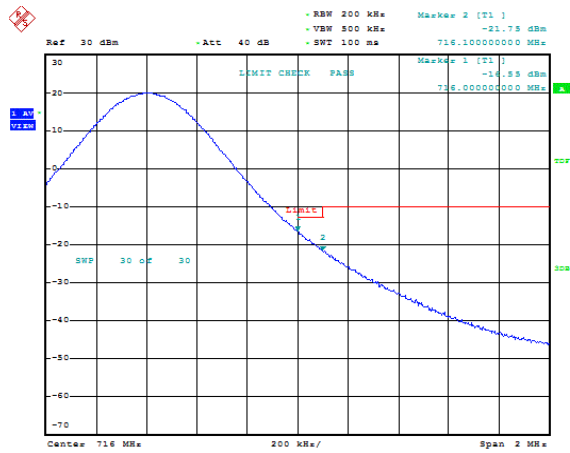
Date: 12.DEC.2020 12:11:22

### Band17-10MHz-QPSK-23800-1RB#0



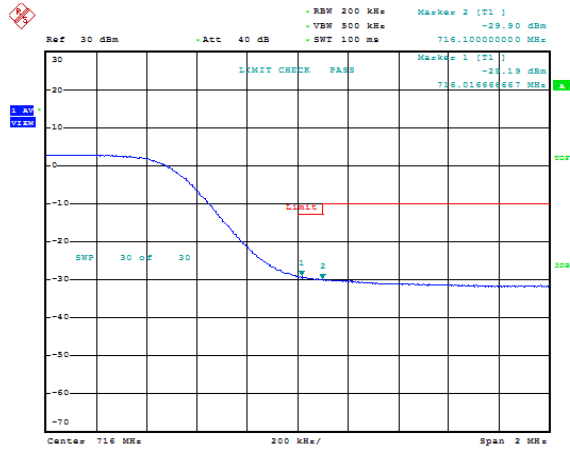
Date: 12.DEC.2020 12:11:56

### Band17-10MHz-QPSK-23800-1RB#49



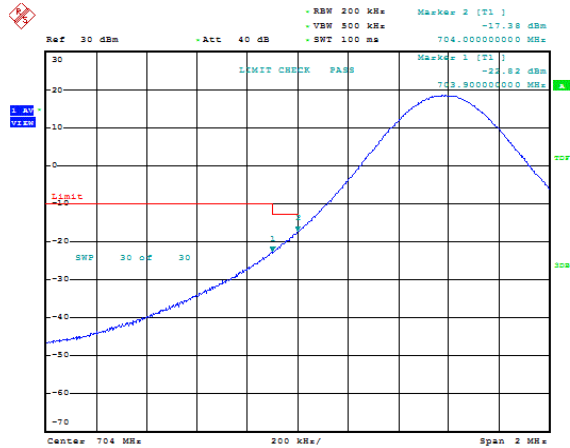
Date: 12.DEC.2020 12:12:17

### Band17-10MHz-QPSK-23800-50RB#0



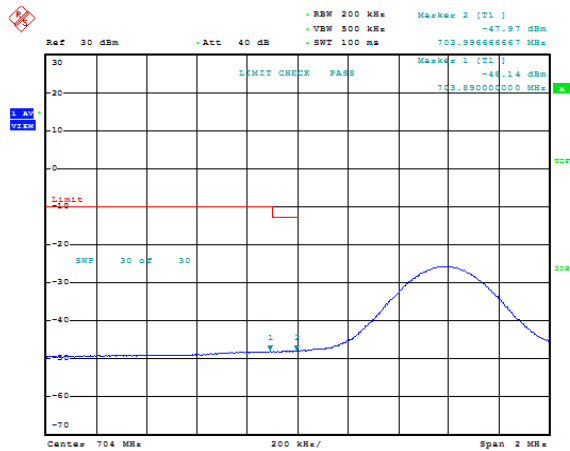
Date: 12.DEC.2020 12:12:38

### Band17-10MHz-16QAM-23780-1RB#0



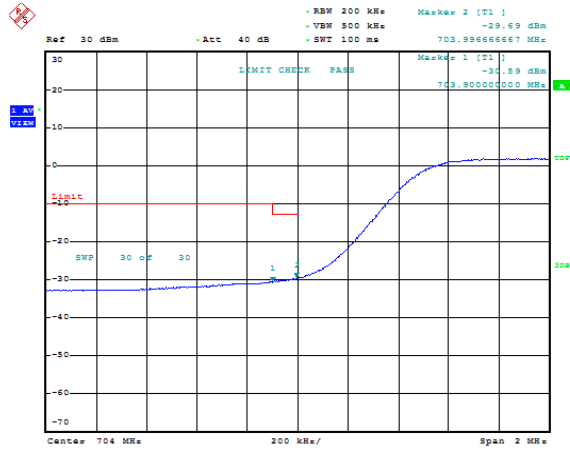
Date: 12.DEC.2020 12:10:50

### Band17-10MHz-16QAM-23780-1RB#49



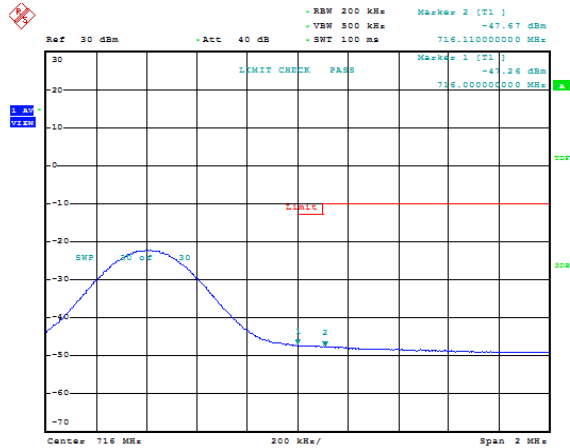
Date: 12.DEC.2020 12:11:11

### Band17-10MHz-16QAM-23780-50RB#0



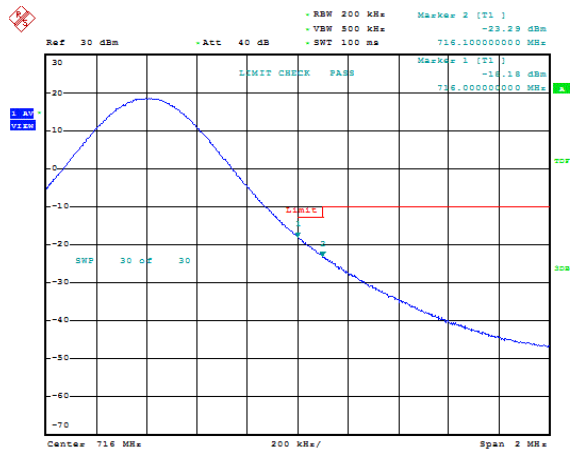
Date: 12.DEC.2020 12:11:33

### Band17-10MHz-16QAM-23800-1RB#0



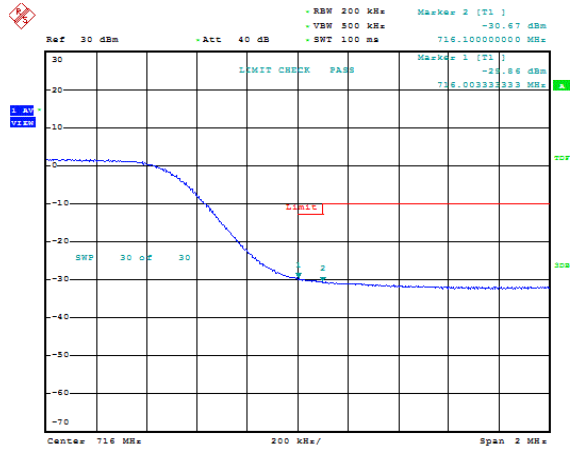
Date: 12.DEC.2020 12:12:07

### Band17-10MHz-16QAM-23800-1RB#49



Date: 12.DEC.2020 12:12:28

### Band17-10MHz-16QAM-23800-50RB#0



Date: 12.DEC.2020 12:12:49

## 1.5. Appendix E: Conducted Spurious Emission

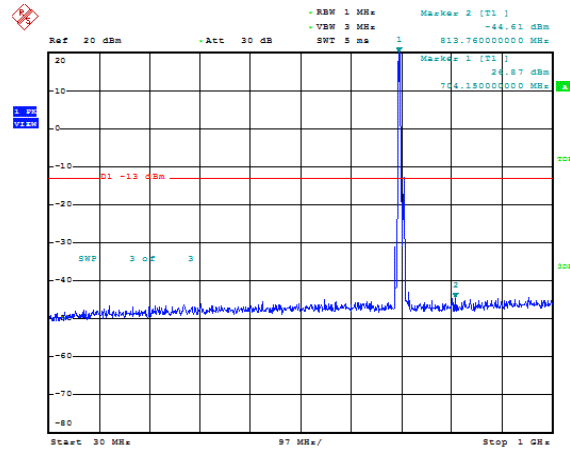
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-44.61	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-32.94	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-44.09	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-32.64	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-44	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-33.25	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-44.17	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-32.52	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-44.57	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-33.2	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-44.16	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-33.8	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-44.81	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-33.57	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-44.87	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-32.32	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-44.32	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-33.04	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-44.45	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-33.07	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-44.55	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-33.34	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-44.67	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-33.53	PASS



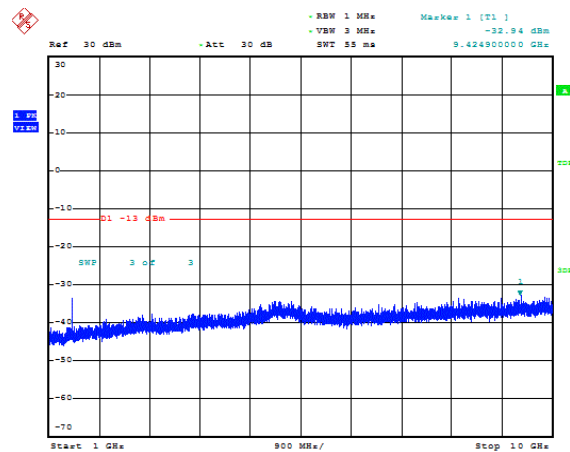
# Test Graphs

Band17-5MHz-QPSK-23755-1RB#0-Range1:30~1000MHz



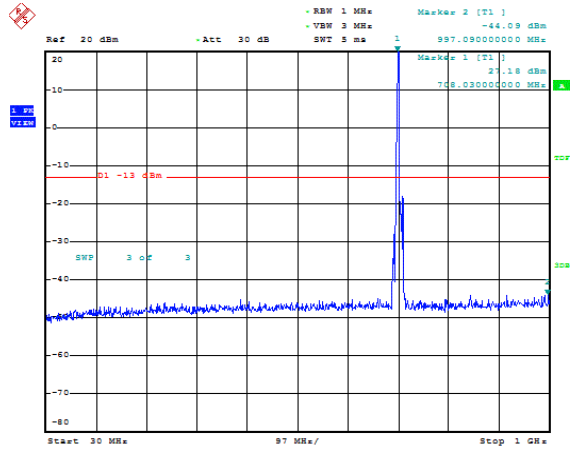
Date: 12.DEC.2020 11:47:21

Band17-5MHz-QPSK-23755-1RB#0-Range2:1000~10000MHz



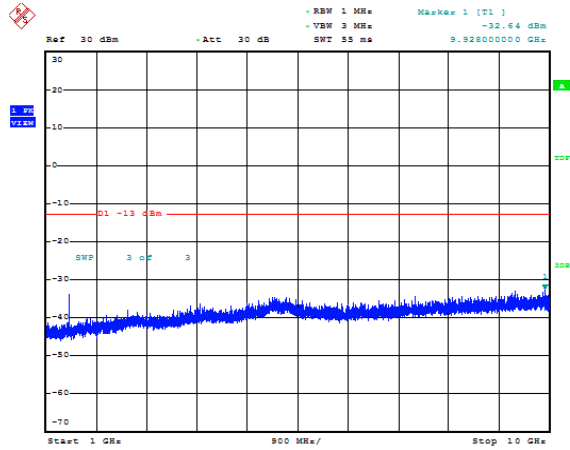
Date: 12.DEC.2020 11:47:29

Band17-5MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



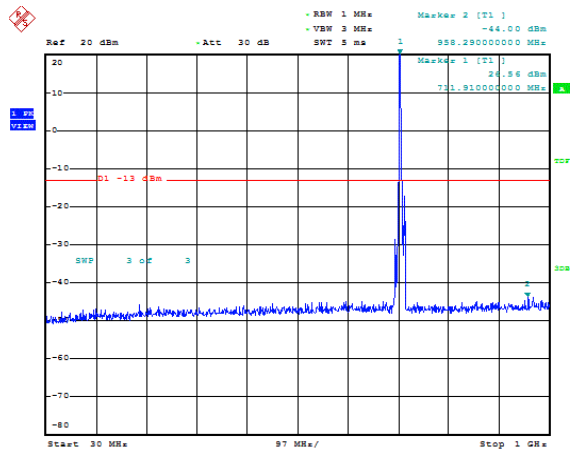
Date: 12.DEC.2020 11:47:58

Band17-5MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



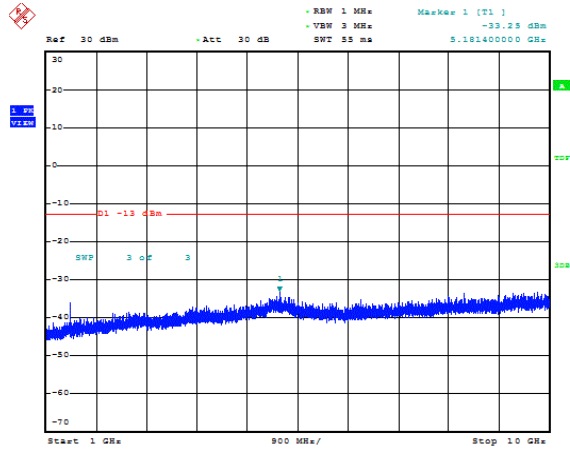
Date: 12.DEC.2020 11:48:06

Band17-5MHz-QPSK-23825-1RB#0-Range1:30~1000MHz



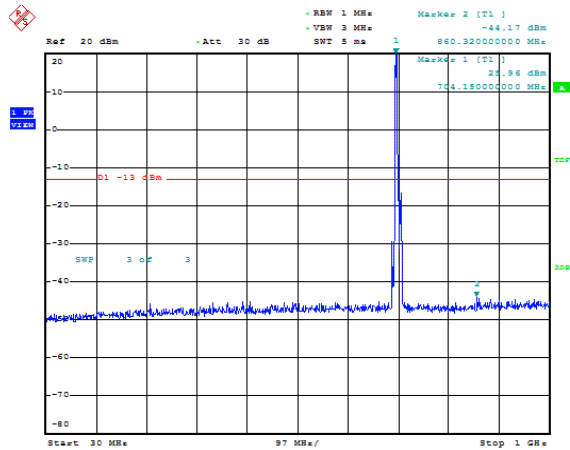
Date: 12.DEC.2020 11:48:35

Band17-5MHz-QPSK-23825-1RB#0-Range2:1000~10000MHz



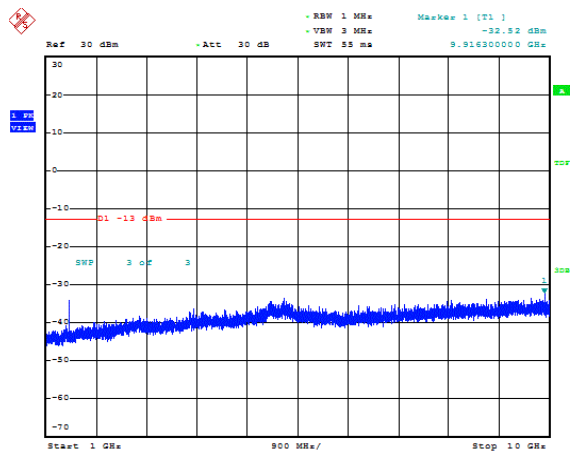
Date: 12. DEC. 2020 11:46:49

Band17-5MHz-16QAM-23755-1RB#0-Range1:30~1000MHz



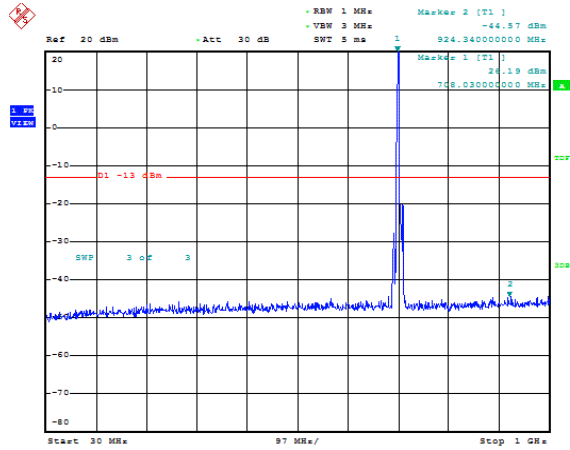
Date: 12. DEC. 2020 11:47:38

Band17-5MHz-16QAM-23755-1RB#0-Range2:1000~10000MHz

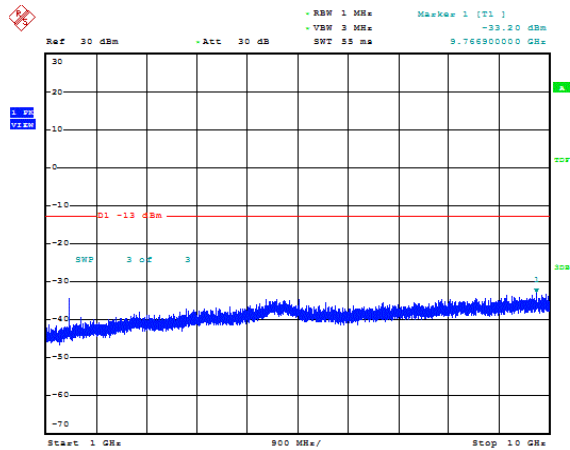


Date: 12. DEC. 2020 11:47:46

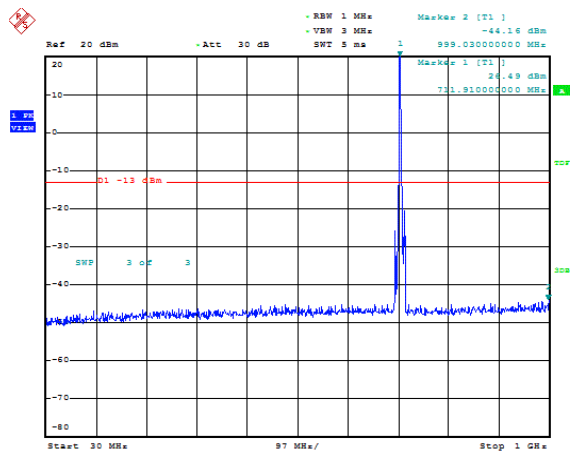
Band17-5MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



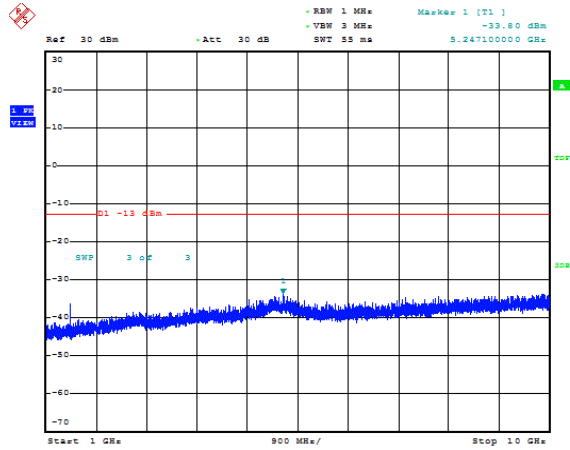
Band17-5MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Band17-5MHz-16QAM-23825-1RB#0-Range1:30~1000MHz

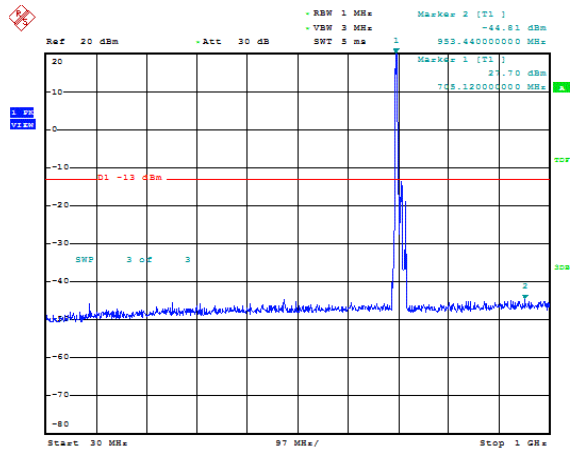


Band17-5MHz-16QAM-23825-1RB#0-Range2:1000~10000MHz



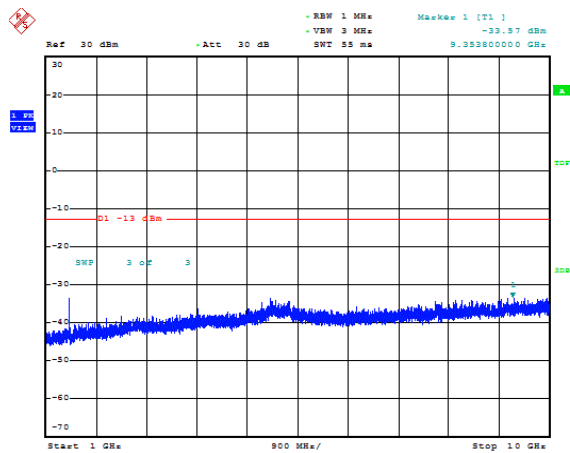
Date: 12.DEC.2020 11:49:00

Band17-10MHz-QPSK-23780-1RB#0-Range1:30~1000MHz



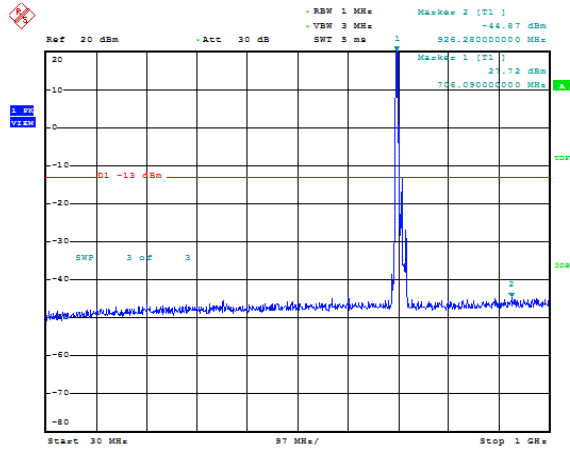
Date: 12.DEC.2020 12:18:01

Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



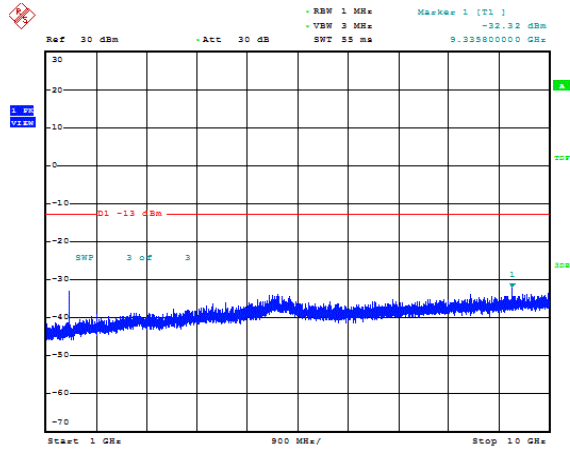
Date: 12.DEC.2020 12:19:09

Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



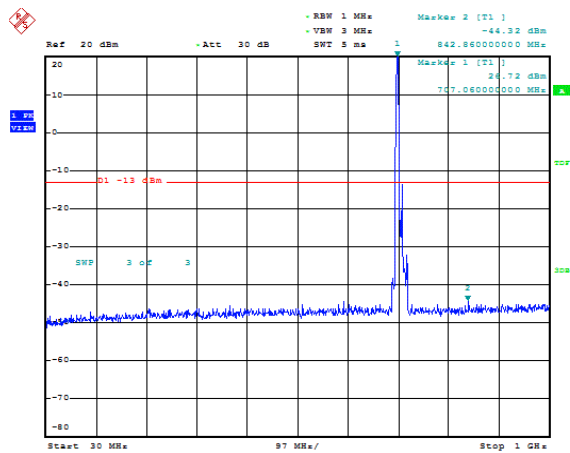
Date: 12.DEC.2020 12:13:38

### Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



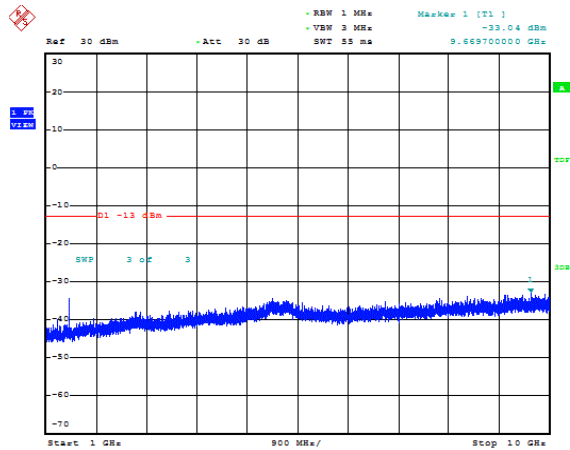
Date: 12.DEC.2020 12:13:46

### Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz



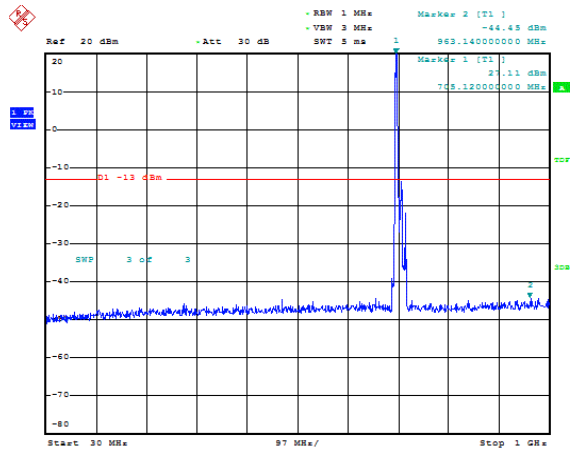
Date: 12.DEC.2020 12:14:15

### Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



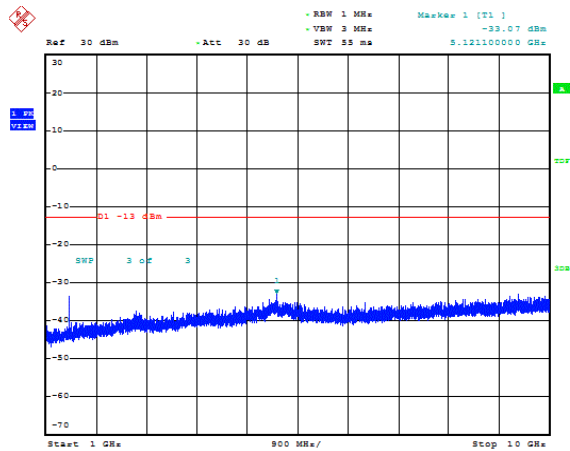
Date: 12.DEC.2020 12:14:23

Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz



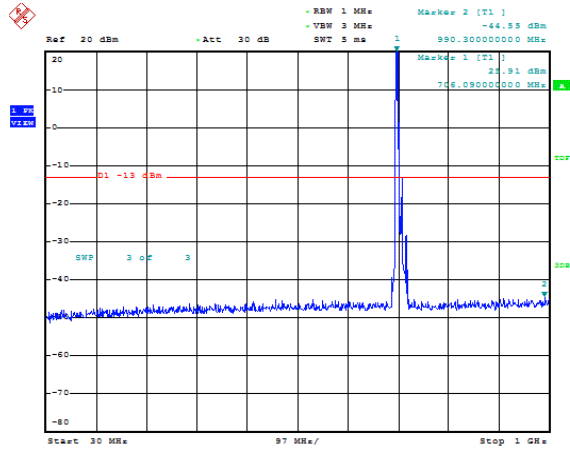
Date: 12.DEC.2020 12:18:19

Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



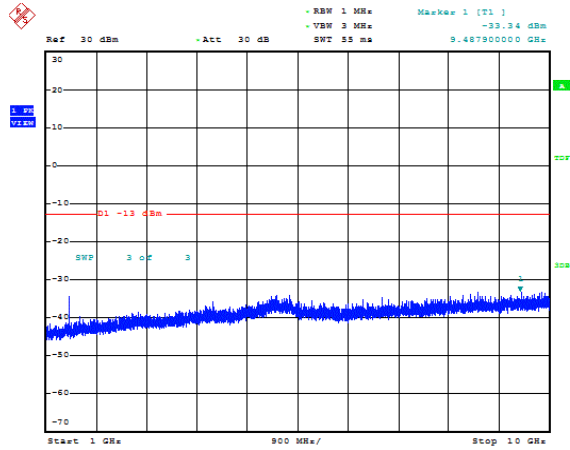
Date: 12.DEC.2020 12:19:27

Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



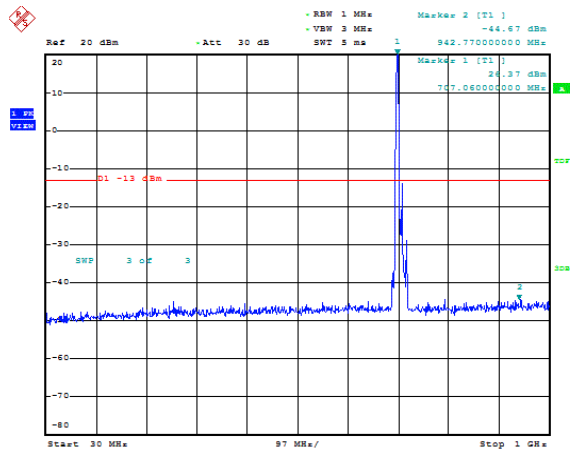
Date: 12.DEC.2020 12:13:56

Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 12.DEC.2020 12:14:04

Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz



Date: 12.DEC.2020 12:14:32

Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz





## 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
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-2.59	-0.003666	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-7.87	-0.011139	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-6.59	-0.009328	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-5.99	-0.008437	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-5.87	-0.008268	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	2.53	0.003563	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-5.89	-0.008255	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-7.35	-0.010301	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-4.71	-0.006601	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-13.07	-0.018500	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-15.68	-0.022194	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-9.91	-0.014027	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-11.10	-0.015634	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-9.88	-0.013915	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-9.36	-0.013183	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-5.91	-0.008283	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-7.55	-0.010582	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-7.91	-0.011086	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-7.80	-0.011001	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-7.52	-0.010606	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-11.30	-0.015938	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-8.43	-0.011873	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-4.46	-0.006282	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-5.98	-0.008423	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-10.26	-0.014430	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-10.66	-0.014993	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-7.74	-0.010886	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-11.66	-0.016446	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-10.26	-0.014471	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-6.09	-0.008590	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-9.11	-0.012831	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-9.21	-0.012972	±2.5	PASS

Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-9.71	-0.013676	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-11.40	-0.016034	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-6.69	-0.009409	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-12.15	-0.017089	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-9.94	-0.014069	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-10.37	-0.014678	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-8.97	-0.012696	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-6.42	-0.009087	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-9.58	-0.013560	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-7.40	-0.010474	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-12.82	-0.018056	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-6.59	-0.009282	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-5.82	-0.008197	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-9.01	-0.012690	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-6.91	-0.009732	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-5.52	-0.007775	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-12.53	-0.017561	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-7.67	-0.010750	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-12.97	-0.018178	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-4.52	-0.006335	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-7.78	-0.010904	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-10.96	-0.015361	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-10.79	-0.015272	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-5.42	-0.007672	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-11.63	-0.016461	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-6.48	-0.009172	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-8.18	-0.011578	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-7.01	-0.009922	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-7.55	-0.010634	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-12.63	-0.017789	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-5.44	-0.007662	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-12.35	-0.017394	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-8.68	-0.012225	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-2.65	-0.003732	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-10.84	-0.015193	±2.5	PASS

Band17	5MHz	16QAM	23825	25RB#0	NV	0	-10.51	-0.014730	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-8.81	-0.012348	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-5.42	-0.007596	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-4.63	-0.006489	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-8.93	-0.012516	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-4.98	-0.007024	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-10.01	-0.014118	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-13.52	-0.019069	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-10.21	-0.014401	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-6.72	-0.009478	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-8.97	-0.012652	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-8.18	-0.011521	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-11.86	-0.016704	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-10.19	-0.014352	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-6.45	-0.009085	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-11.42	-0.016085	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-6.51	-0.009169	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-6.69	-0.009409	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-8.48	-0.011927	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-11.49	-0.016160	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-11.84	-0.016653	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-7.78	-0.010942	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-10.57	-0.014866	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-13.15	-0.018547	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-9.74	-0.013738	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-7.51	-0.010592	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-11.96	-0.016869	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-9.17	-0.012934	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-9.56	-0.013484	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-10.09	-0.014211	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-14.36	-0.020225	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-10.54	-0.014845	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-11.23	-0.015817	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-6.81	-0.009592	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-10.90	-0.015352	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-6.35	-0.008931	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-10.87	-0.015288	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-6.27	-0.008819	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	NV	20	-8.60	-0.012096	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-7.97	-0.011210	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-7.15	-0.010056	±2.5	PASS

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