

# **Appendix for Band 7**

**FCC ID: 2AC88-ELTP18A04**

**IC: 24230-ELTP18A04**

**Model: ELTP18A04**

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

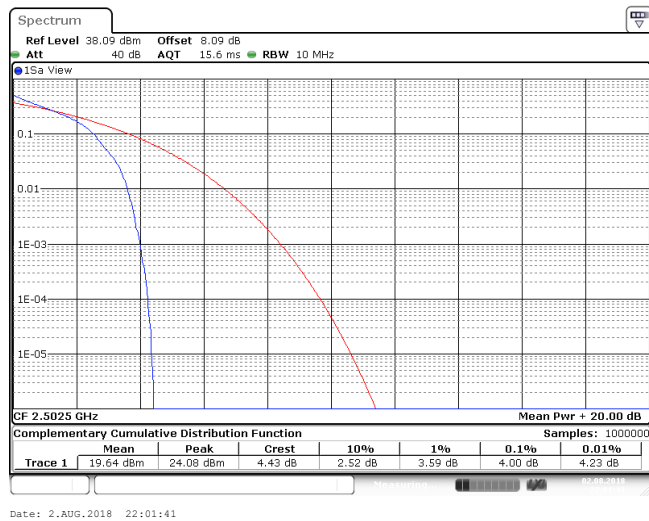
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.00	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.46	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.94	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.75	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.20	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.75	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.55	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.22	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.96	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.42	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.07	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.59	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.77	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.46	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.03	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.64	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.17	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.70	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.00	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.42	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.43	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.57	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.41	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.71	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.80	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.46	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.12	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.49	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.23	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.52	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	3.94	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.51	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.43	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.62	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.46	13	PASS

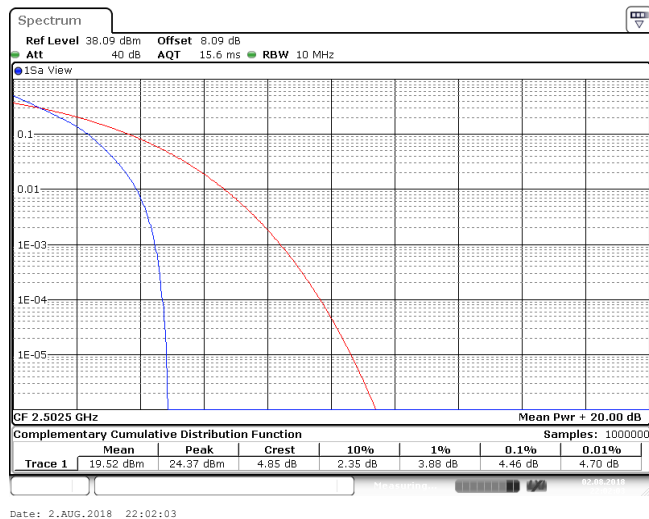
Band7	15MHz	16QAM	21375	75RB#0	5.68	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.91	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	3.88	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.20	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	3.83	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.32	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	3.86	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.43	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.54	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.25	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.51	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.49	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.59	13	PASS

# Test Graphs

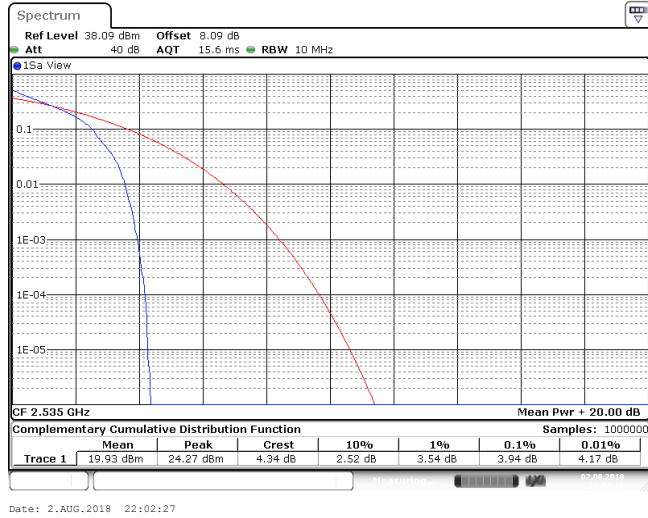
Band7\_5MHz\_QPSK\_20775\_1RB#0



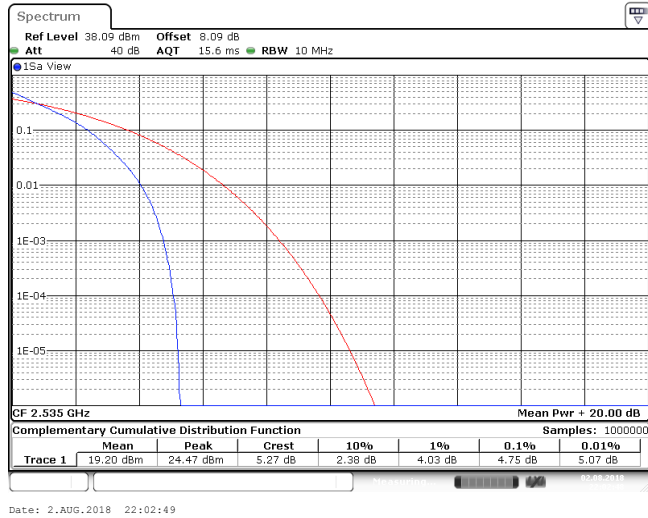
Band7\_5MHz\_QPSK\_20775\_25RB#0



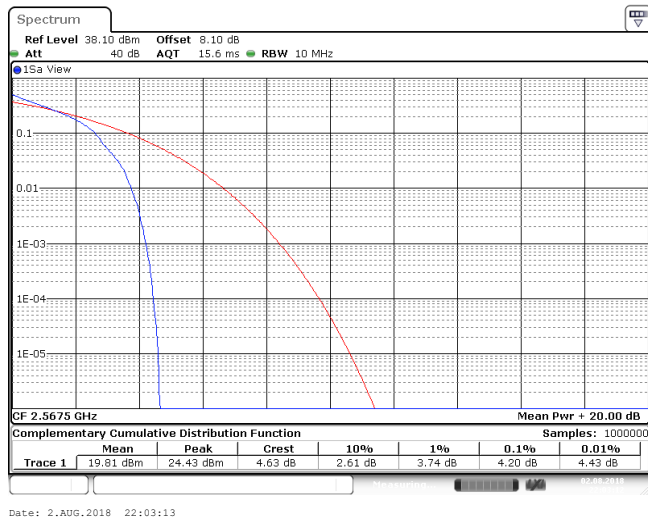
### Band7\_5MHz\_QPSK\_21100\_1RB#0



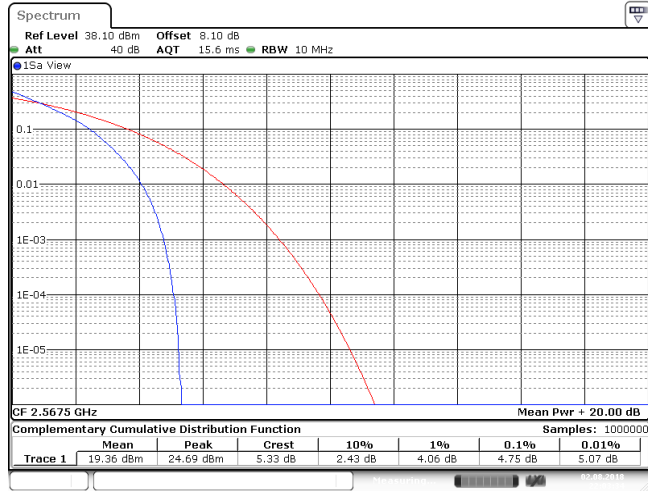
### Band7\_5MHz\_QPSK\_21100\_25RB#0



### Band7\_5MHz\_QPSK\_21425\_1RB#0

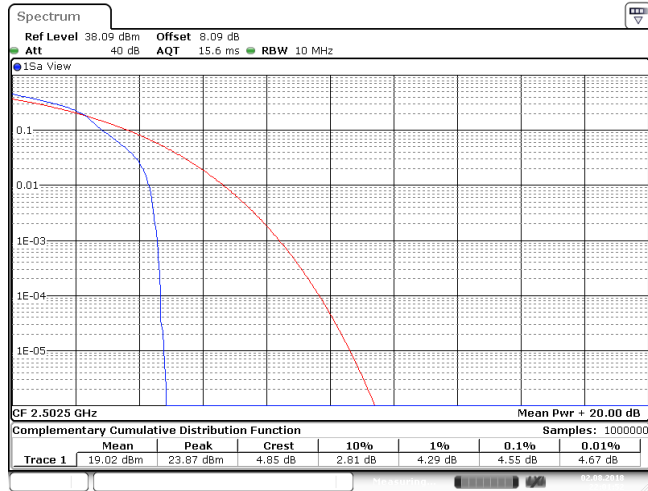


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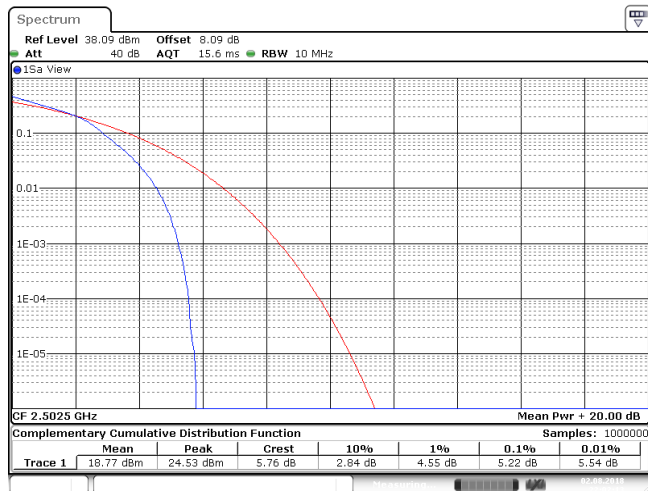
Date: 2.AUG.2018 22:03:35

### Band7\_5MHz\_16QAM\_20775\_1RB#0



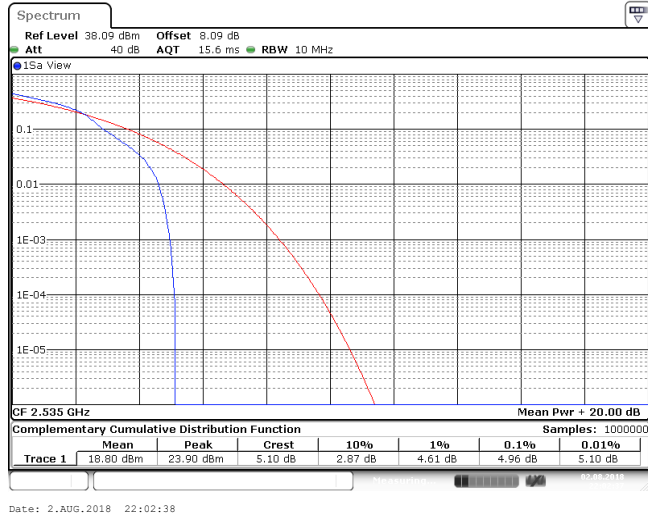
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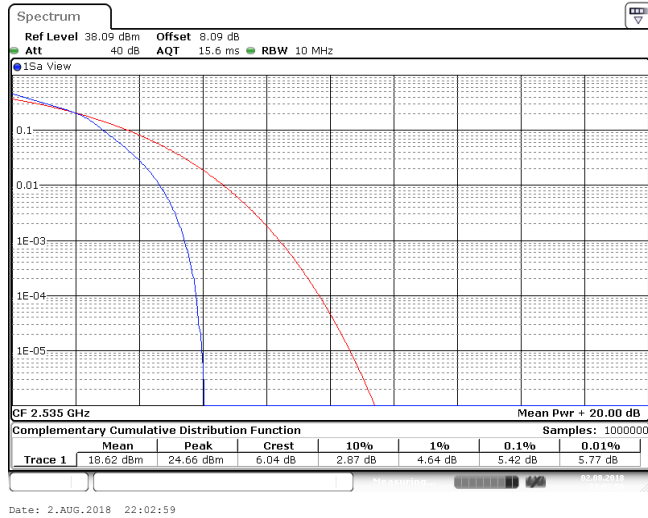


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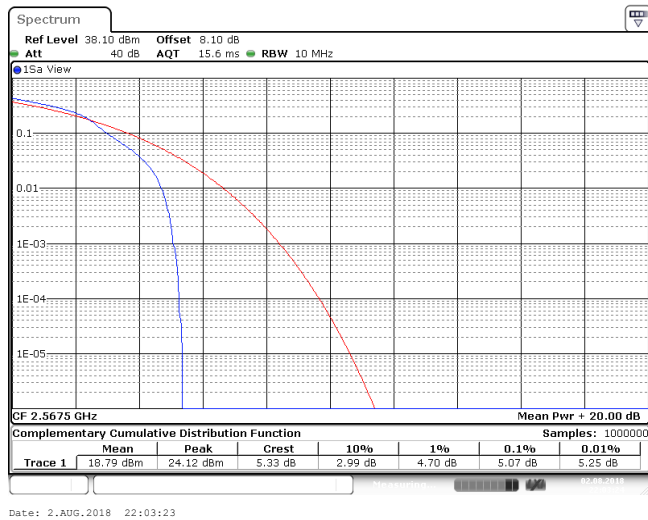
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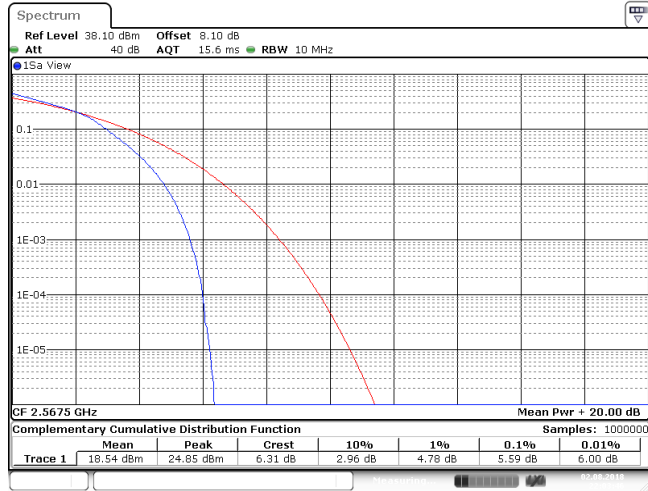
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### Band7\_5MHz\_16QAM\_21425\_1RB#0

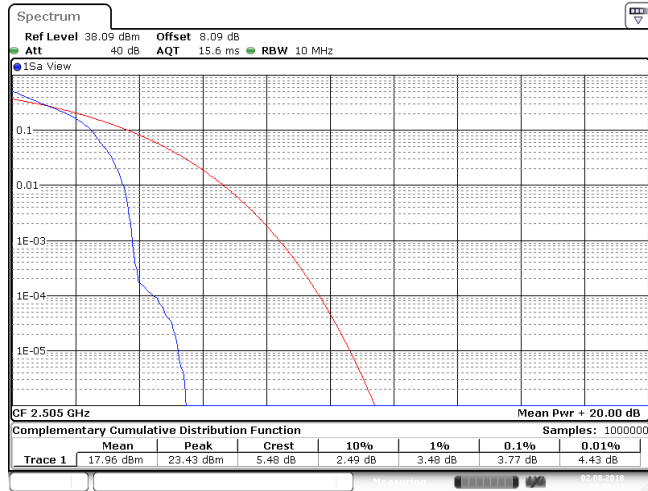


### Band7\_5MHz\_16QAM\_21425\_25RB#0



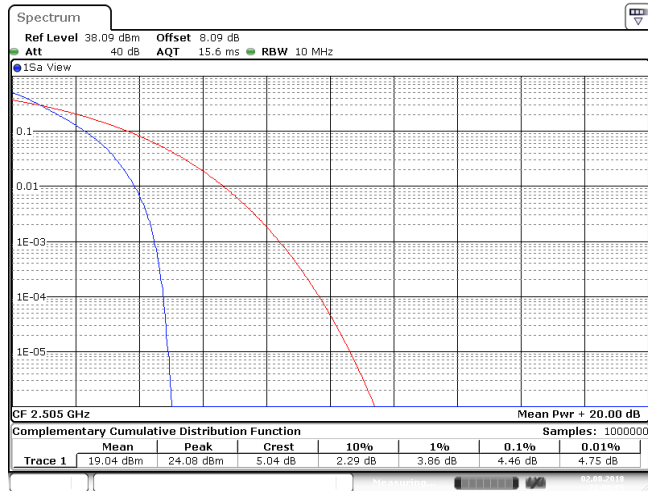
Date: 2.AUG.2018 22:03:45

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Date: 2.AUG.2018 22:08:33

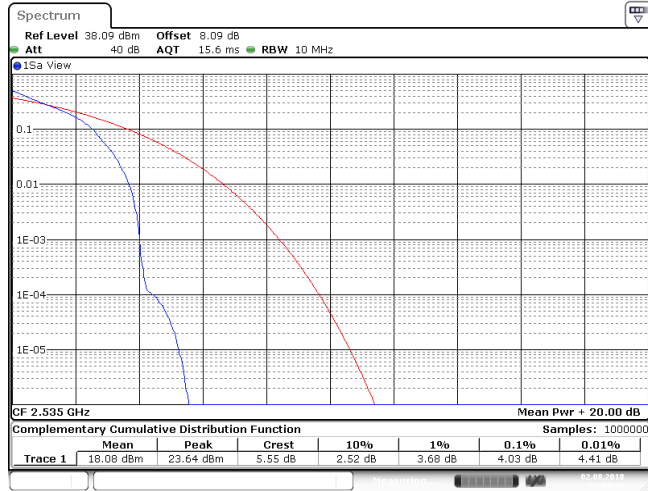
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Date: 2.AUG.2018 22:08:55

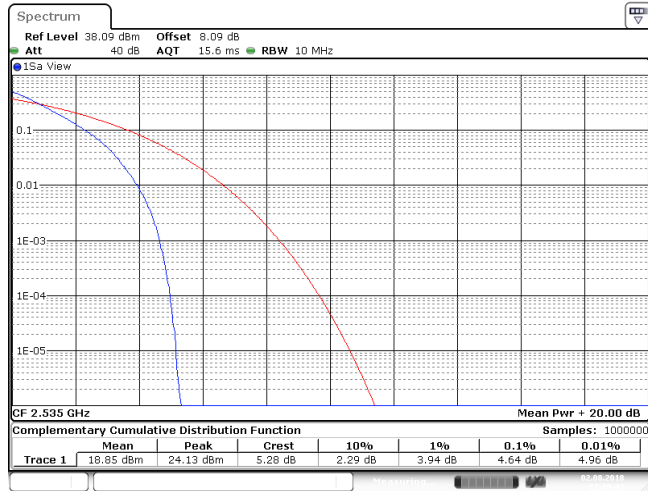


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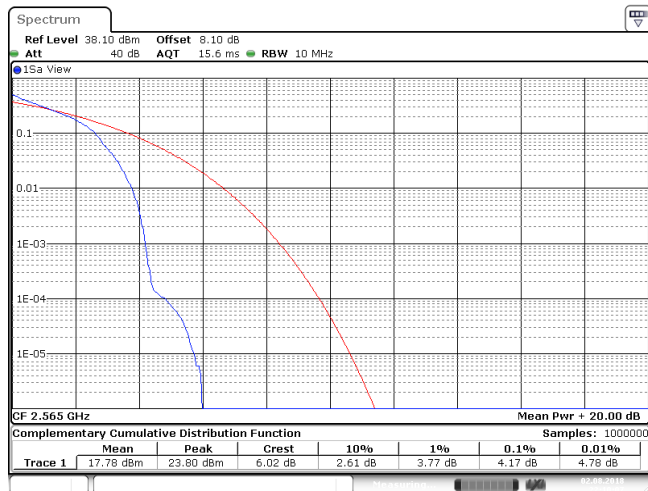
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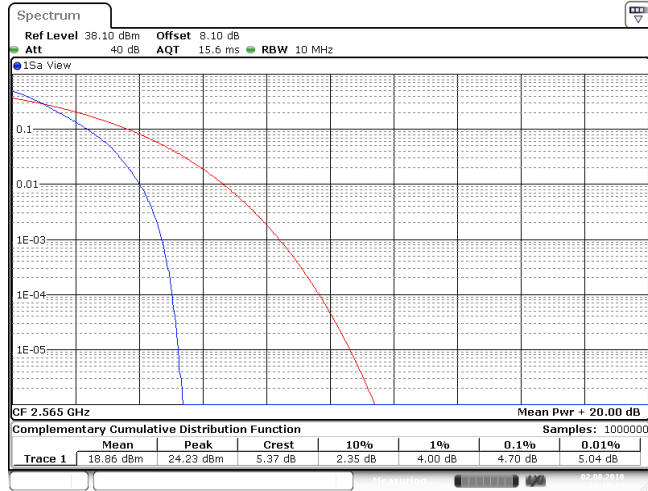
Date: 2.AUG.2018 22:09:42

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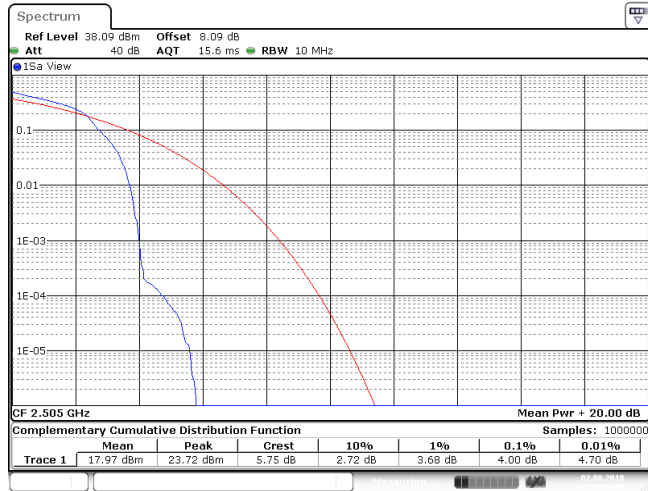
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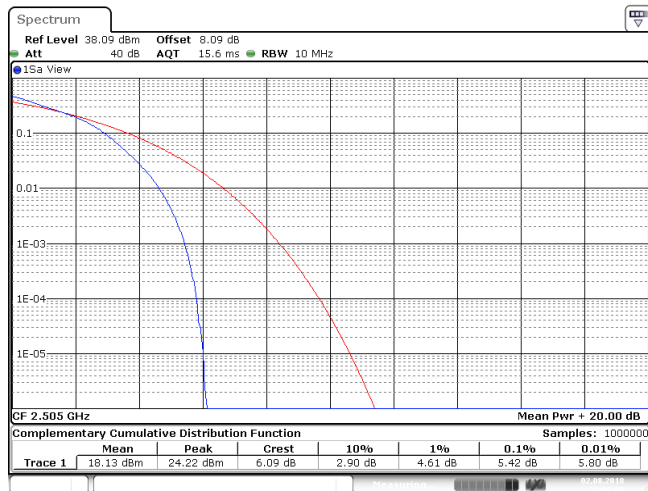
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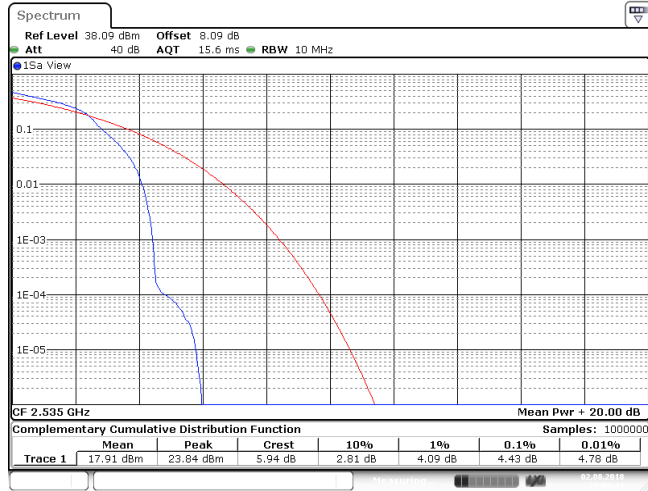
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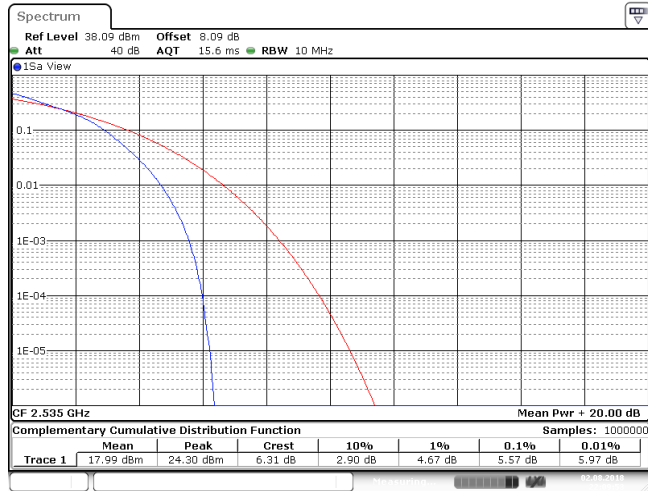
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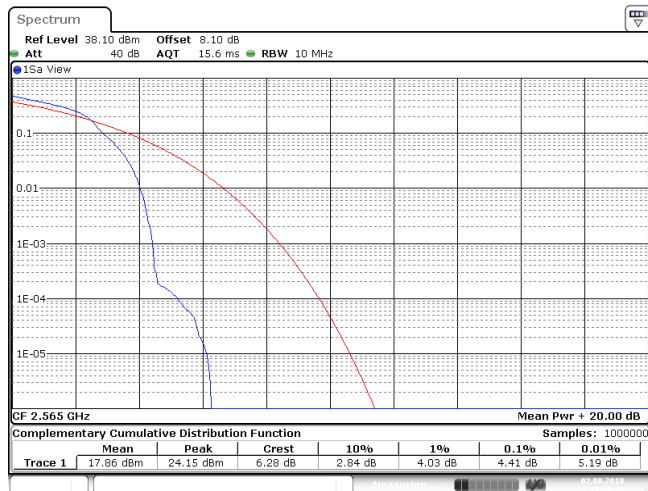
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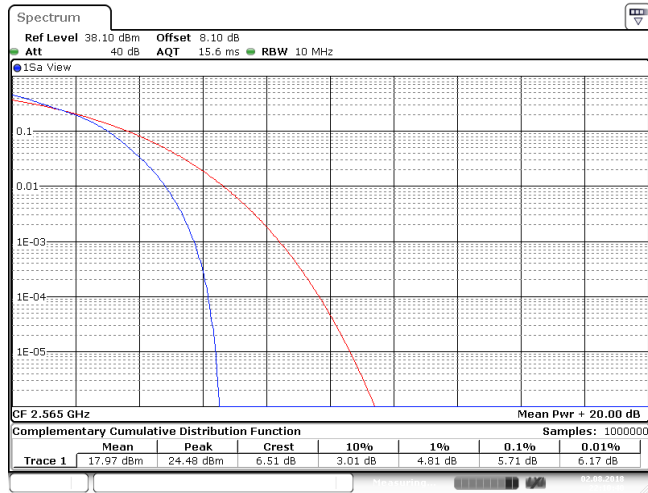
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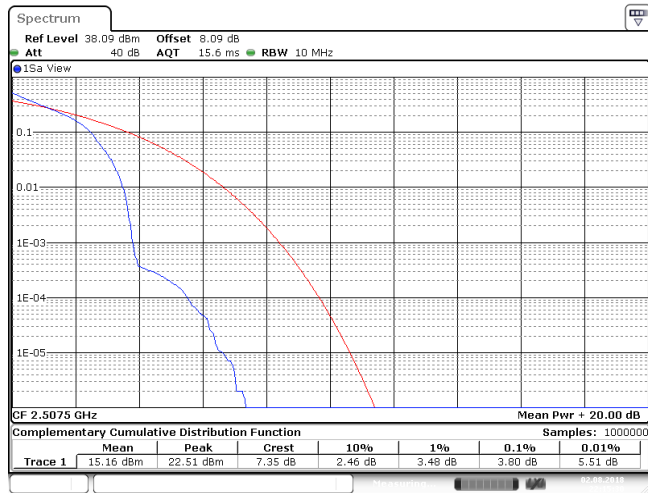
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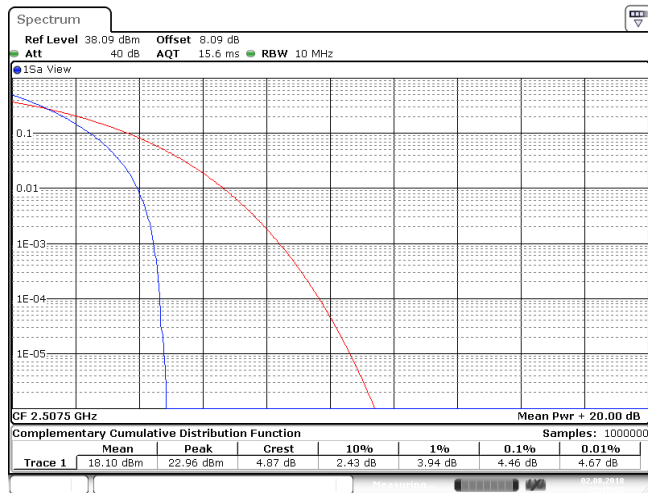
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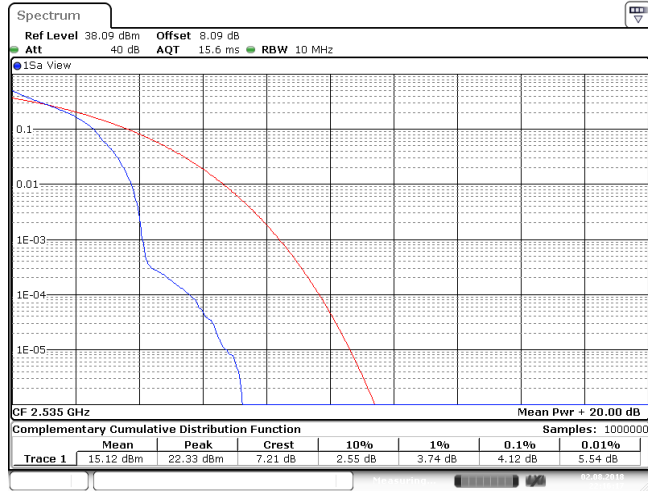
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### Band7\_15MHz\_QPSK\_20825\_75RB#0



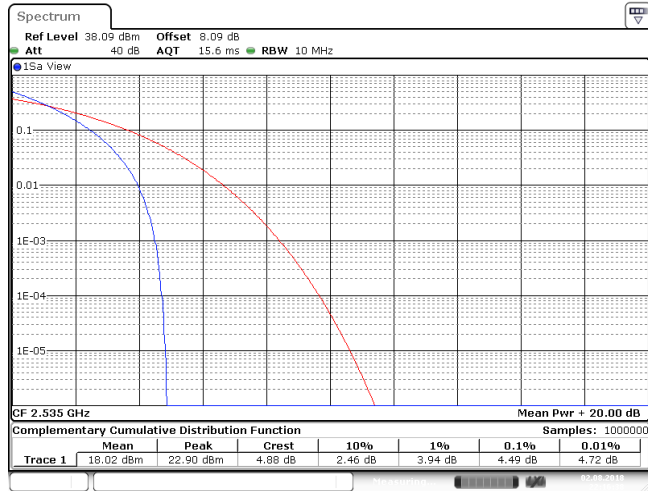
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### Band7\_15MHz\_QPSK\_21100\_1RB#0



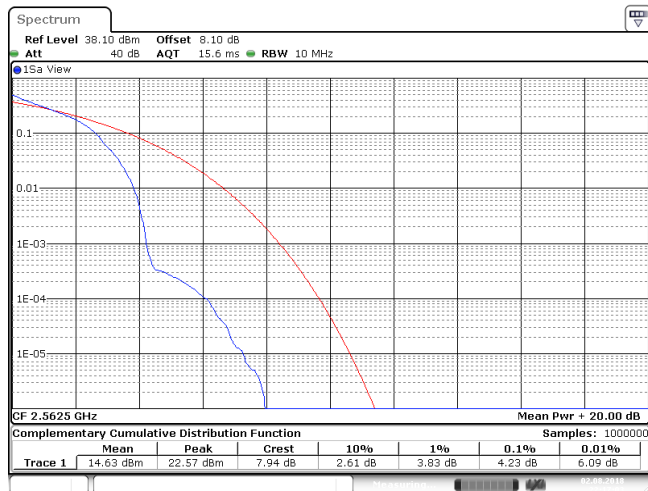
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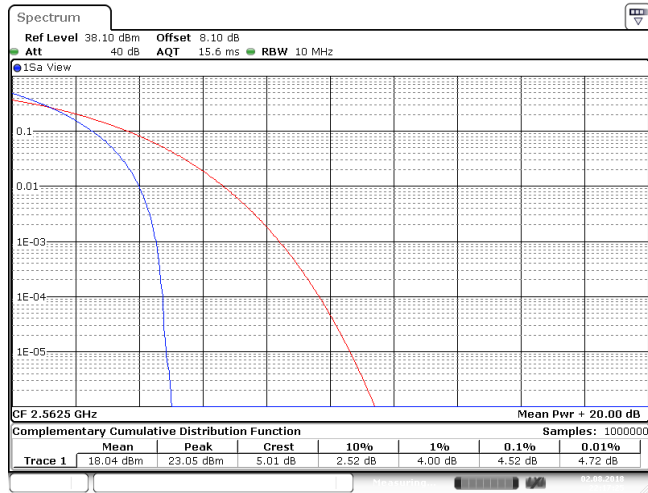
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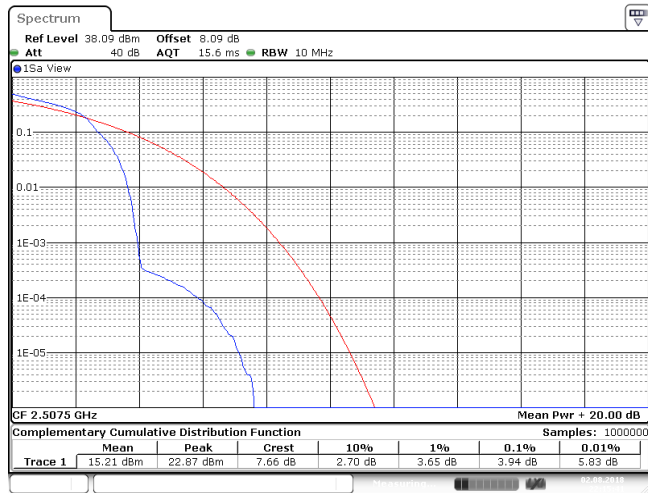
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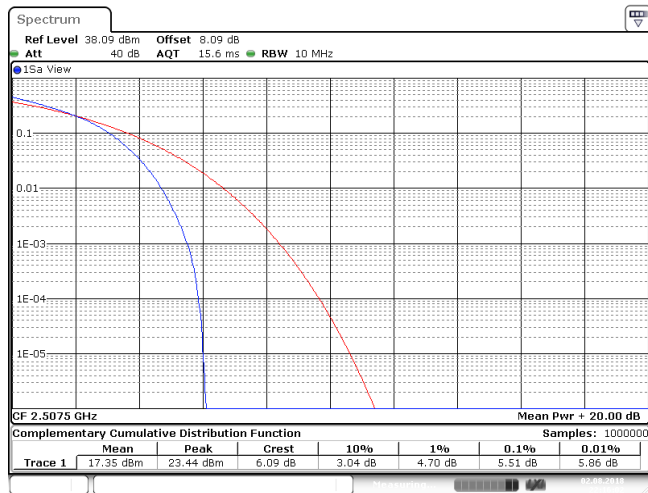
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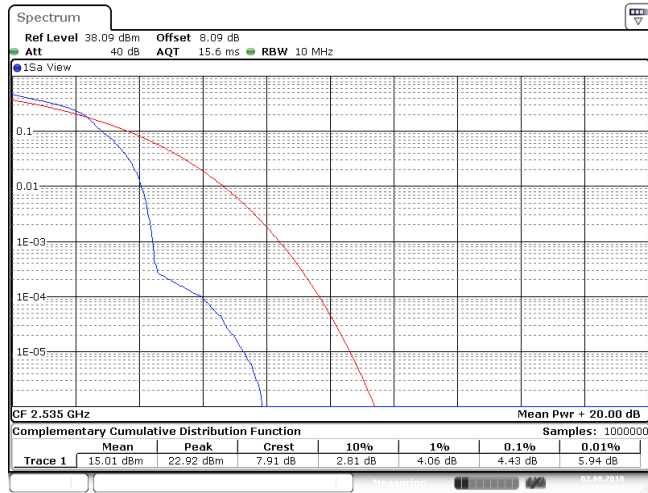
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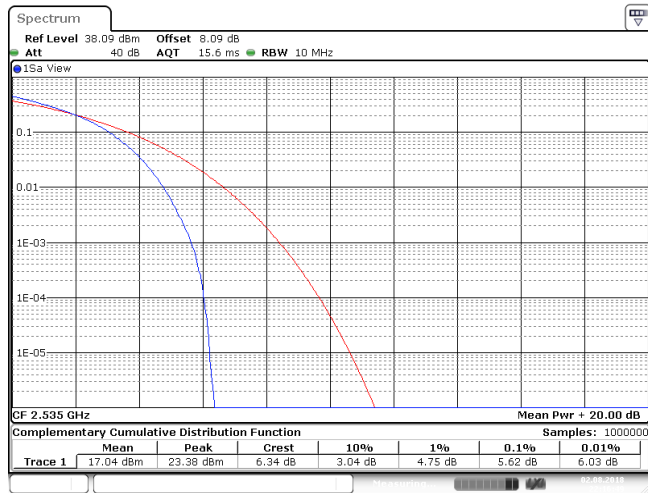
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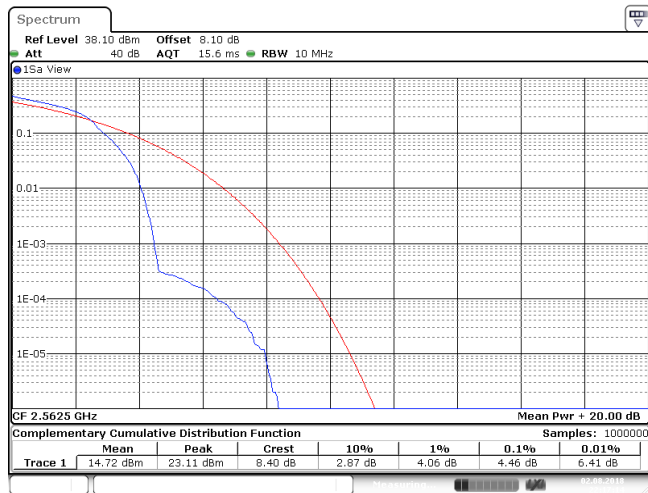
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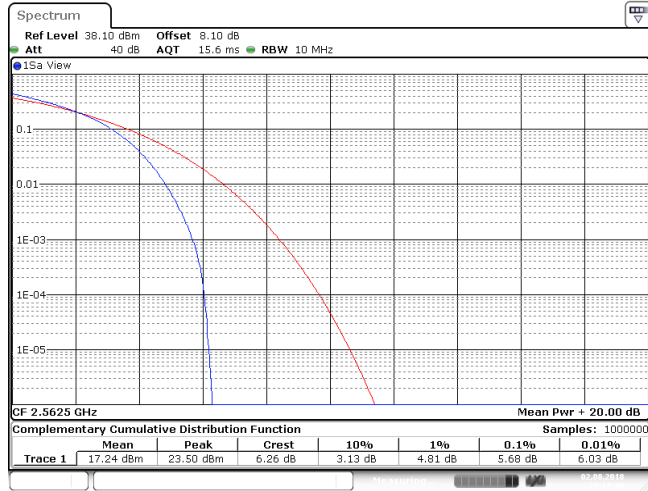
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### Band7\_15MHz\_16QAM\_21375\_1RB#0



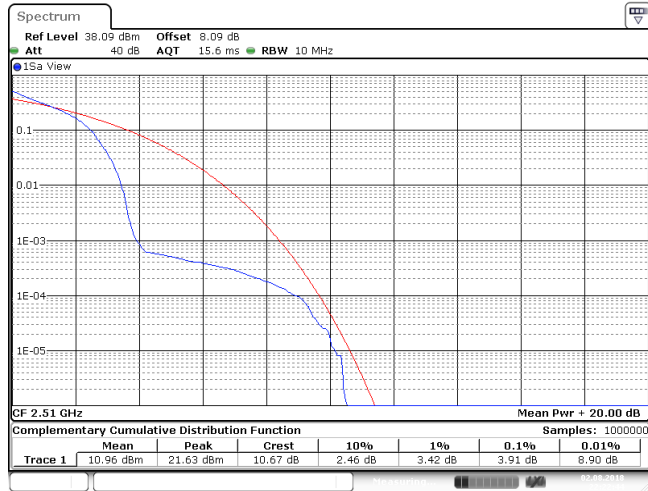
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### Band7\_15MHz\_16QAM\_21375\_75RB#0



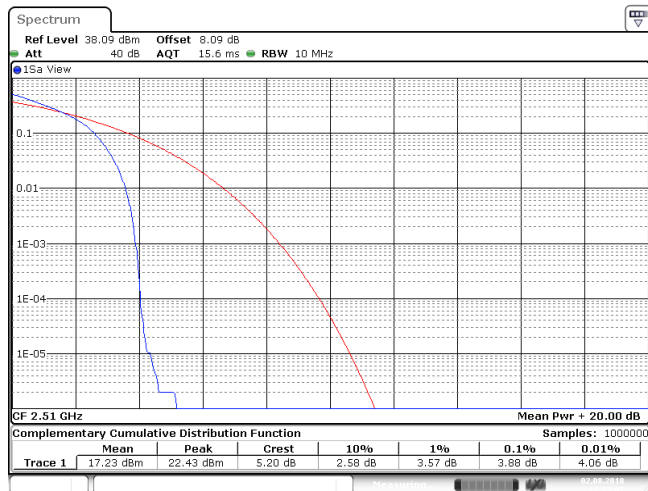
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### Band7\_20MHz\_QPSK\_20850\_1RB#0



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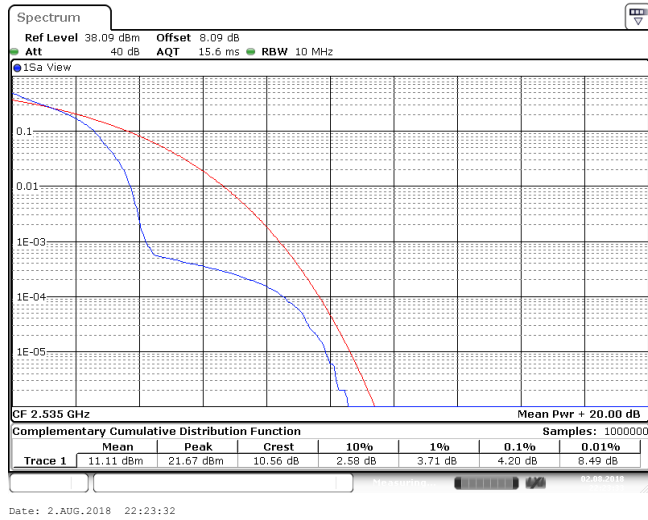
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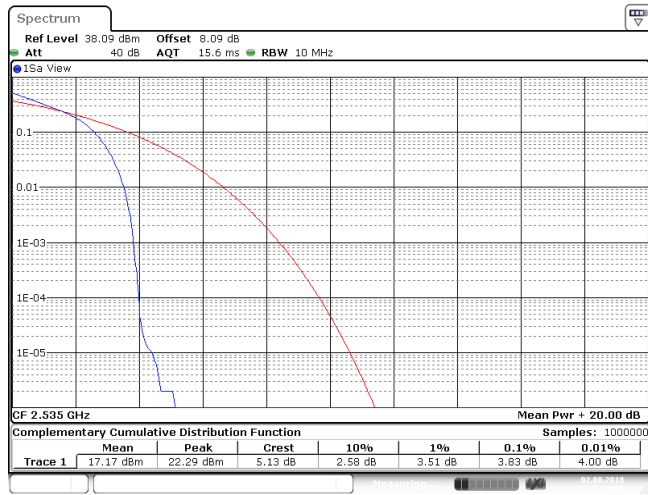


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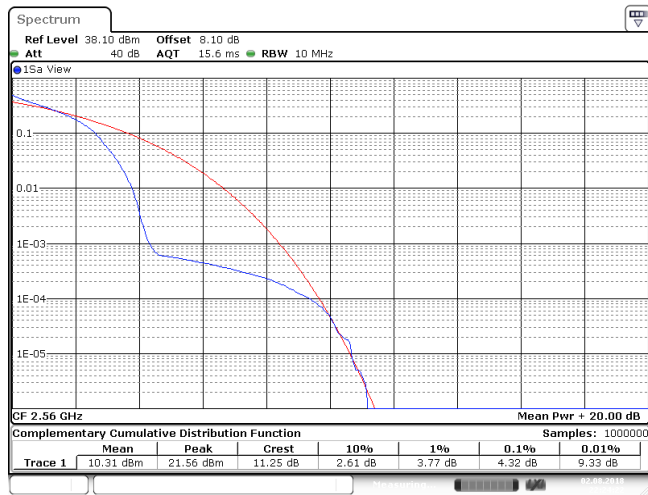
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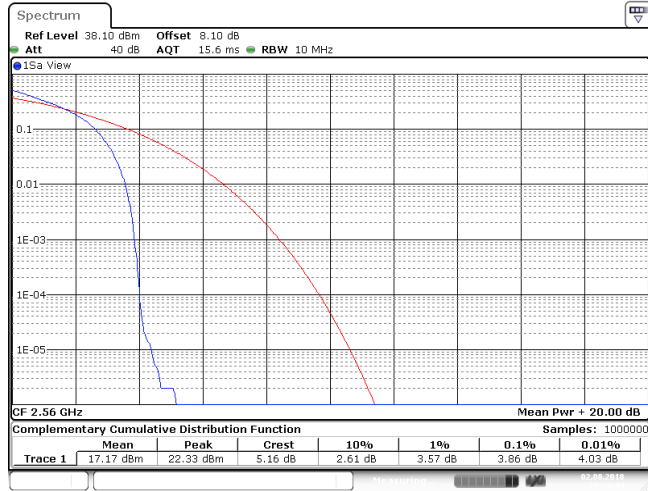
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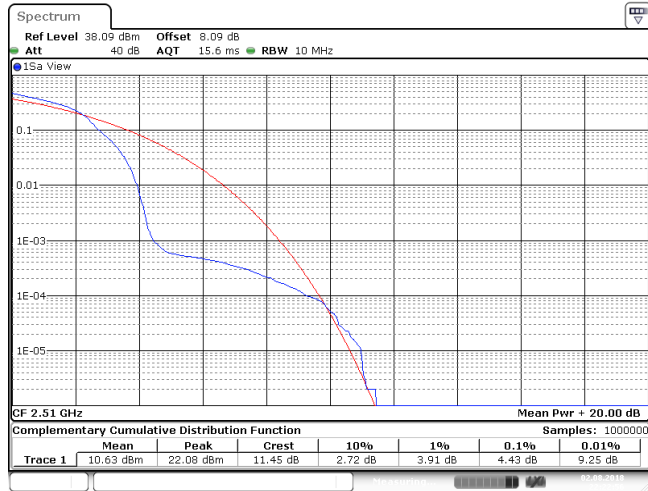
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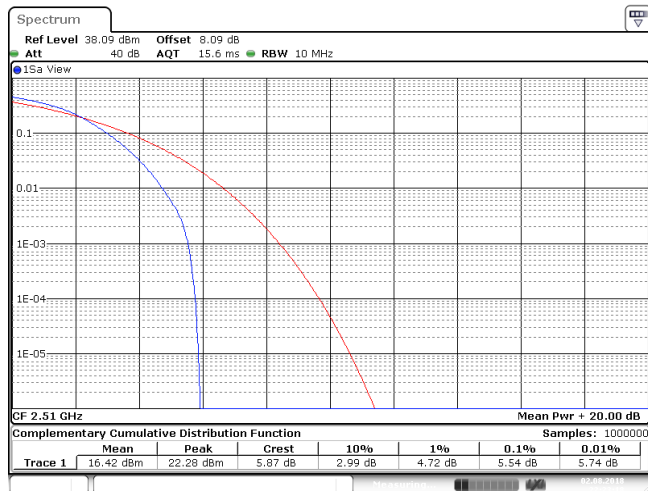
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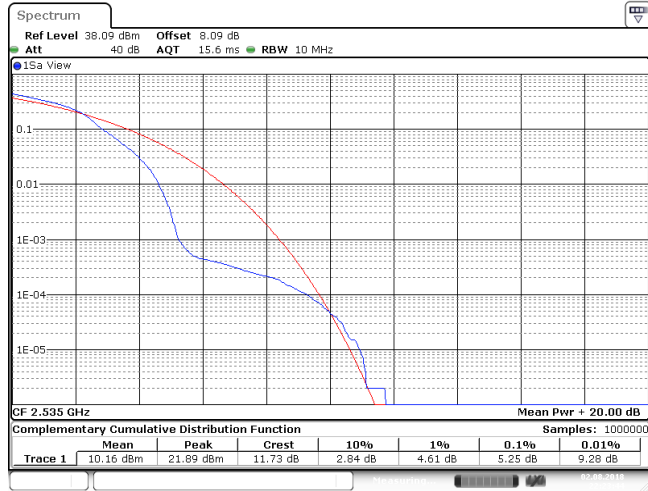
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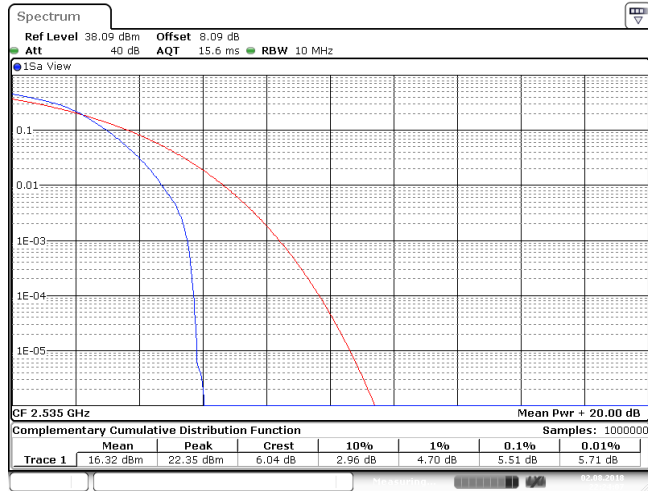
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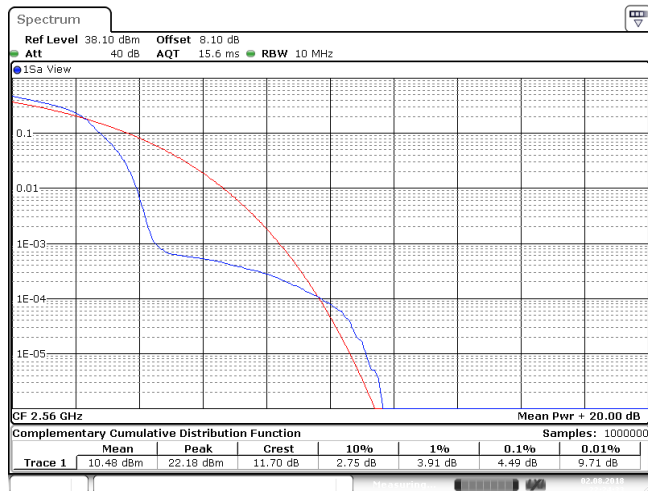
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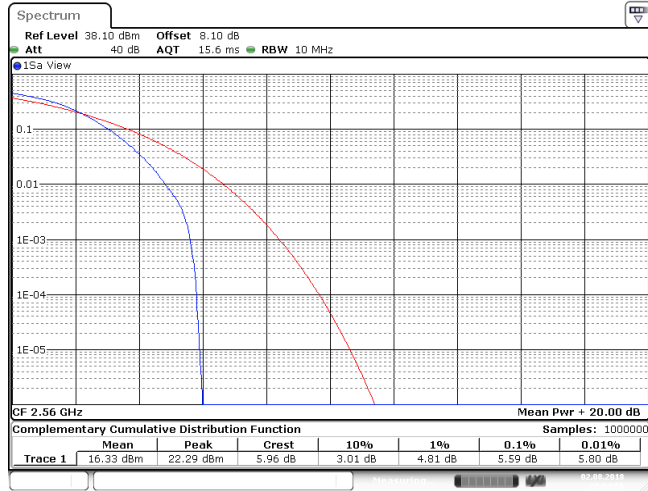
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Date: 2.AUG.2018 22:24:33

# Band7\_20MHz\_16QAM\_21350\_100RB#0



Date: 2.AUG.2018 22:24:56

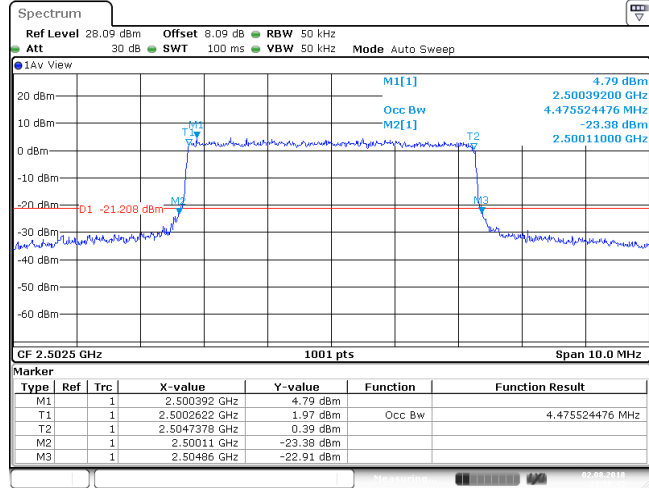
## Appendix B: 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.750	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.466	4.740	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.700	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.720	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	4.710	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.476	4.720	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.918	9.300	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.918	9.267	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.918	9.267	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.918	9.300	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.918	9.267	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.918	9.267	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.378	13.850	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.378	13.750	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.378	13.800	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.378	13.800	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.378	13.750	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.378	13.700	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.837	18.400	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.837	18.267	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.837	18.333	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.837	18.267	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.837	18.267	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.837	18.400	PASS

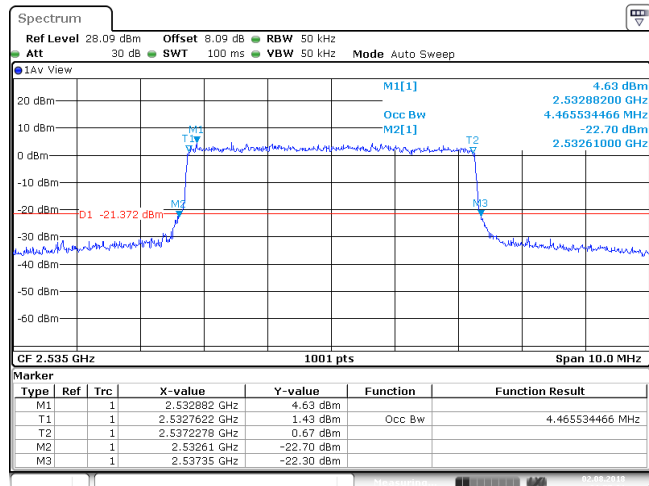
# Test Graphs

## Band7\_5MHz\_QPSK\_20775\_25RB#0



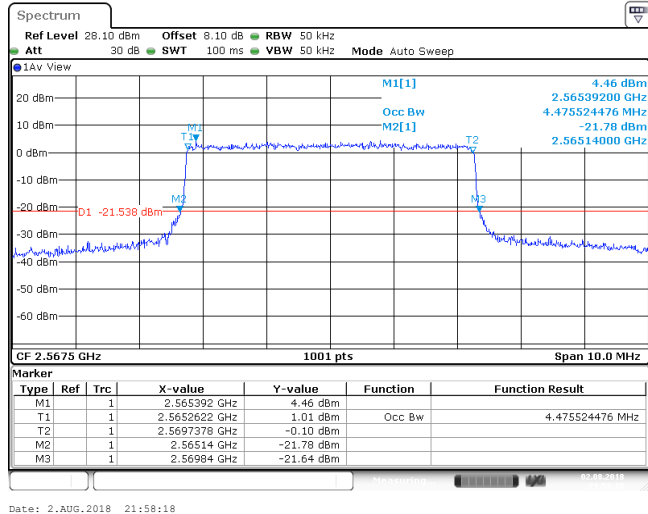
Date: 2.AUG.2018 21:56:43

## Band7\_5MHz\_QPSK\_21100\_25RB#0

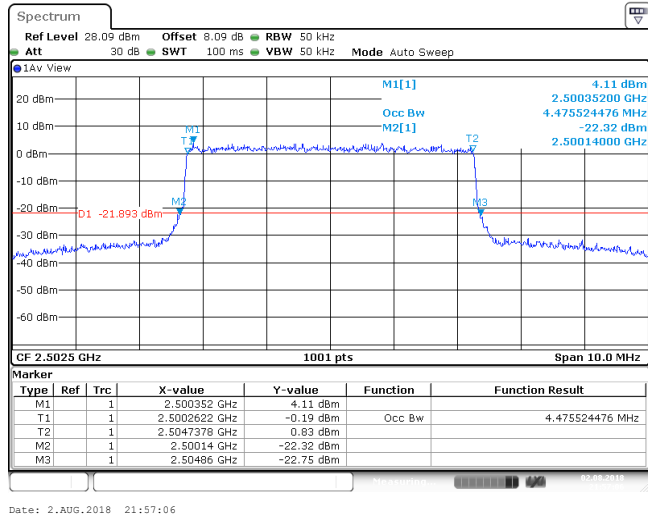


Date: 2.AUG.2018 21:57:31

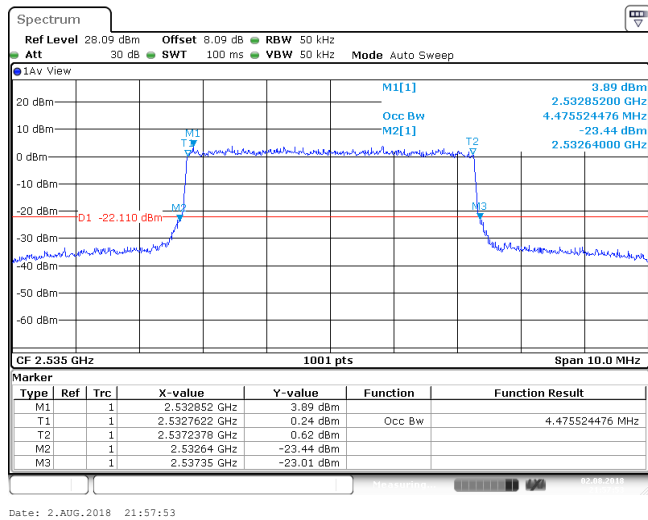
### Band7\_5MHz\_QPSK\_21425\_25RB#0



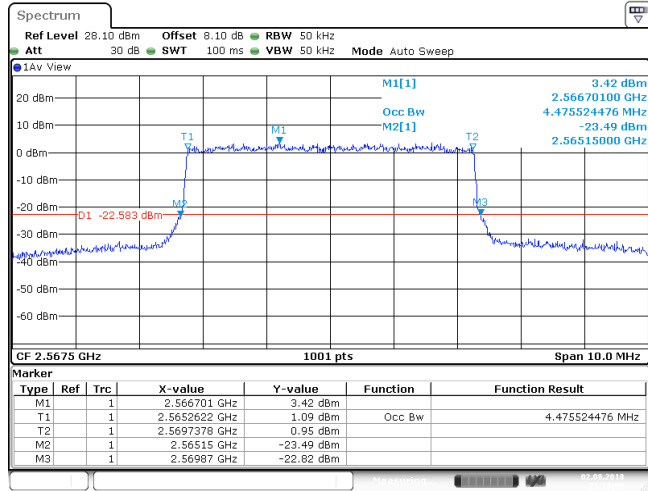
### Band7\_5MHz\_16QAM\_20775\_25RB#0



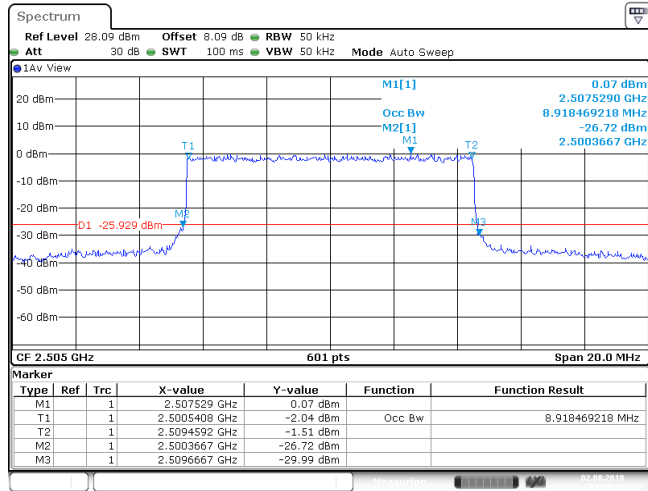
### Band7\_5MHz\_16QAM\_21100\_25RB#0



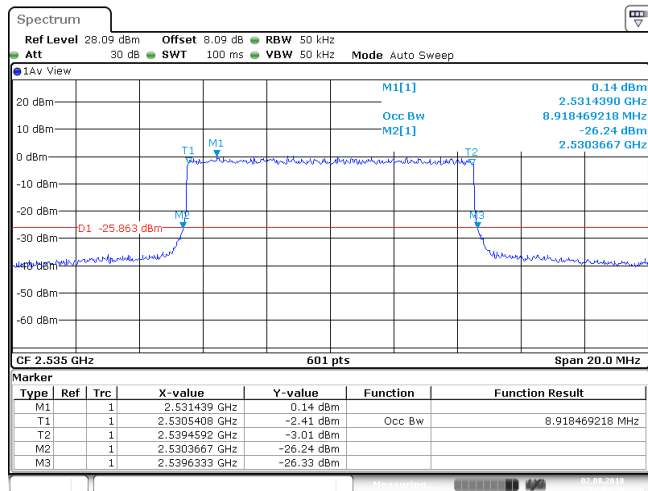
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### Band7\_10MHz\_QPSK\_20800\_50RB#0

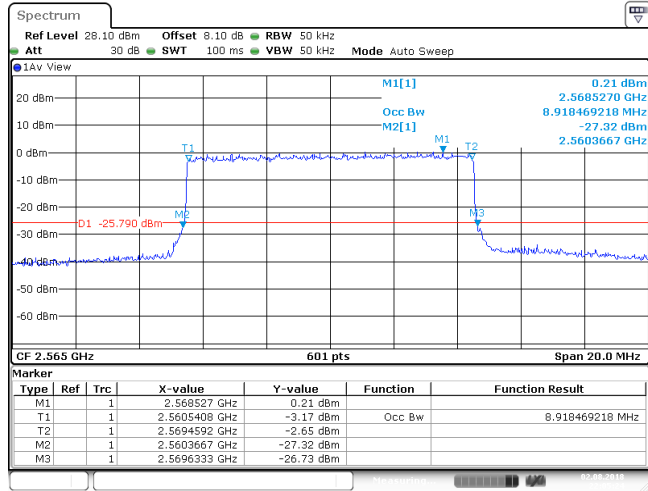


### Band7\_10MHz\_QPSK\_21100\_50RB#0



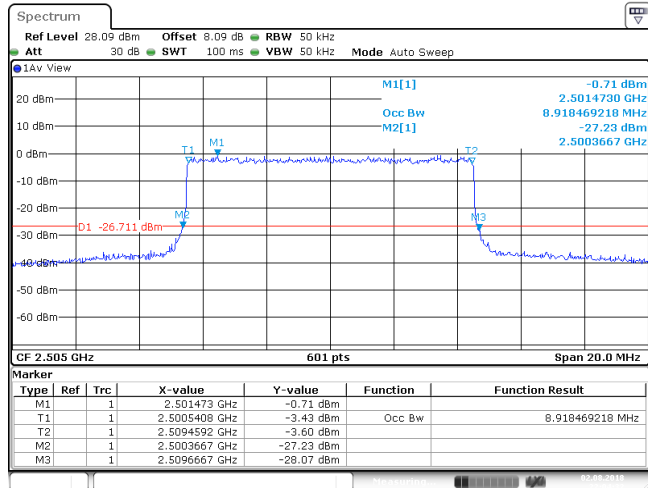


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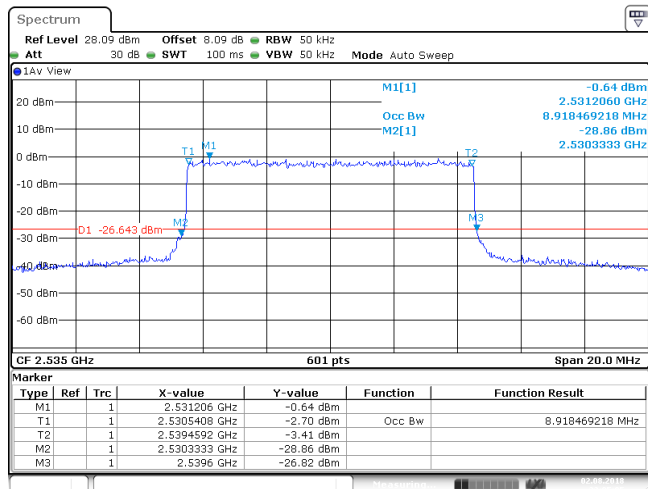
Date: 2.AUG.2018 22:05:23

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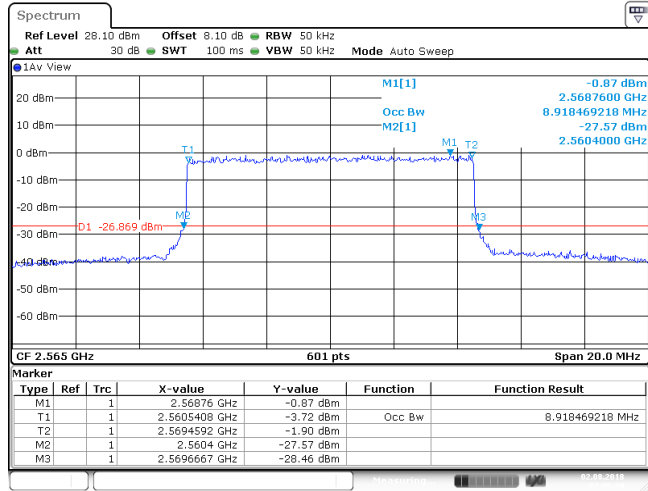
Date: 2.AUG.2018 22:04:31

### Band7\_10MHz\_16QAM\_21100\_50RB#0

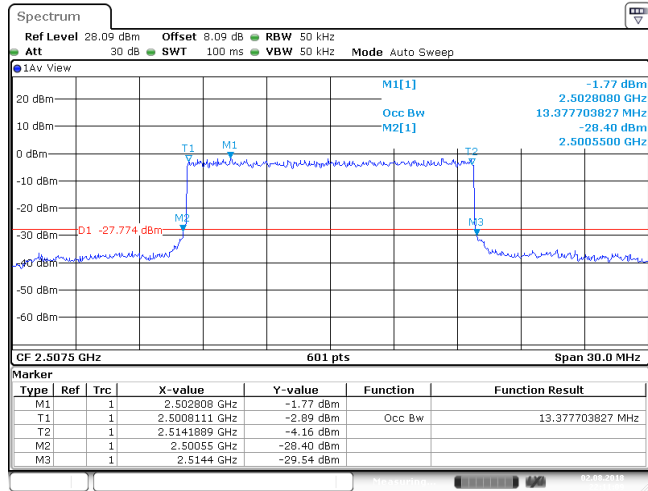


Date: 2.AUG.2018 22:05:05

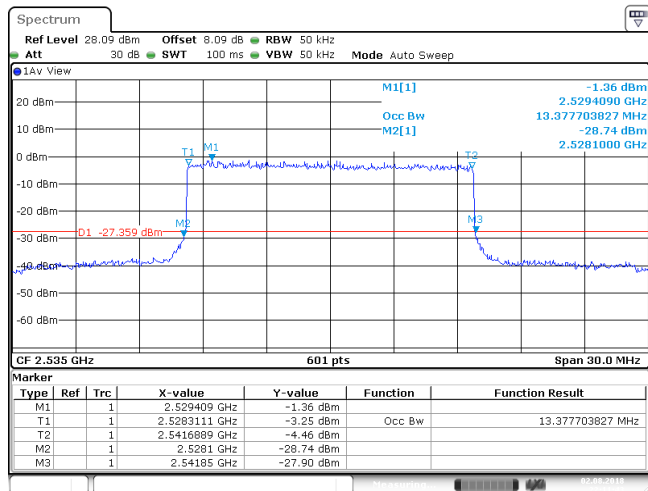
### Band7\_10MHz\_16QAM\_21400\_50RB#0



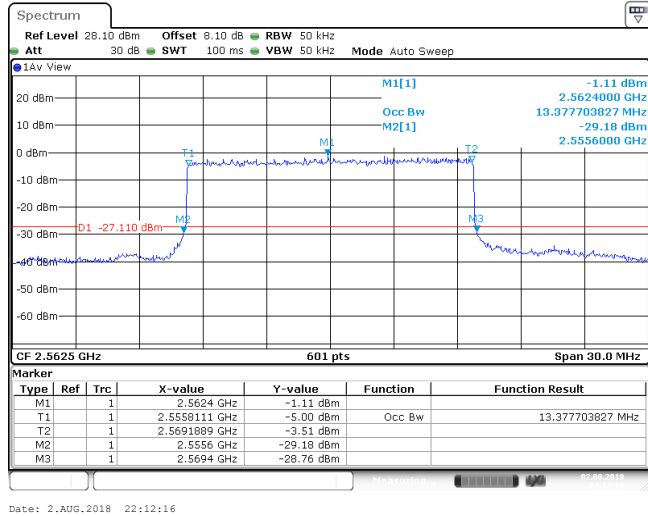
### Band7\_15MHz\_QPSK\_20825\_75RB#0



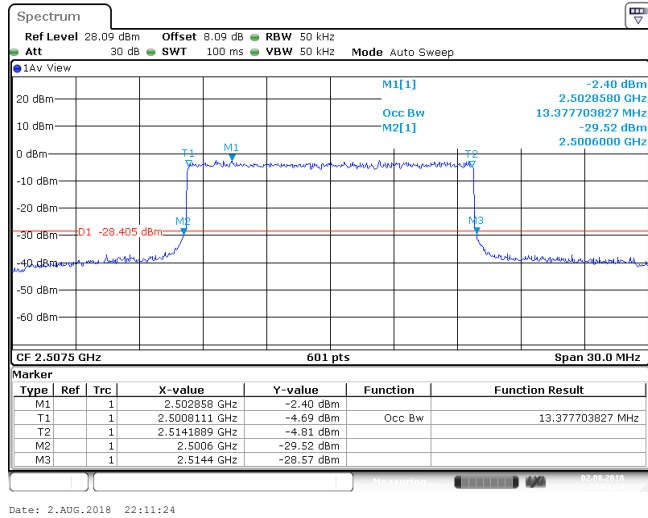
### Band7\_15MHz\_QPSK\_21100\_75RB#0



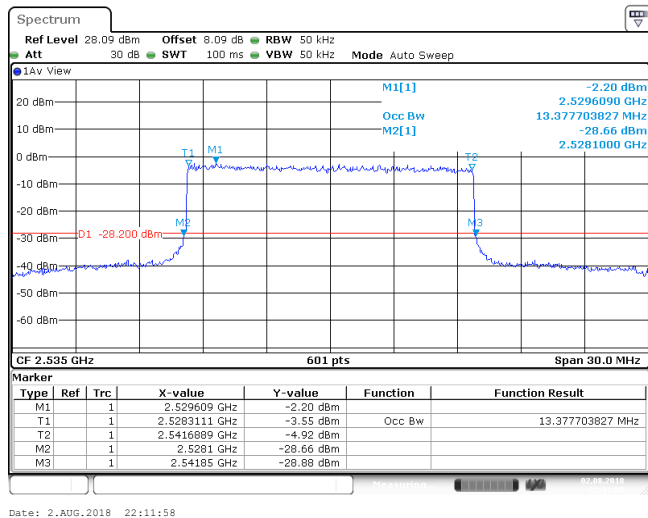
### Band7\_15MHz\_QPSK\_21375\_75RB#0



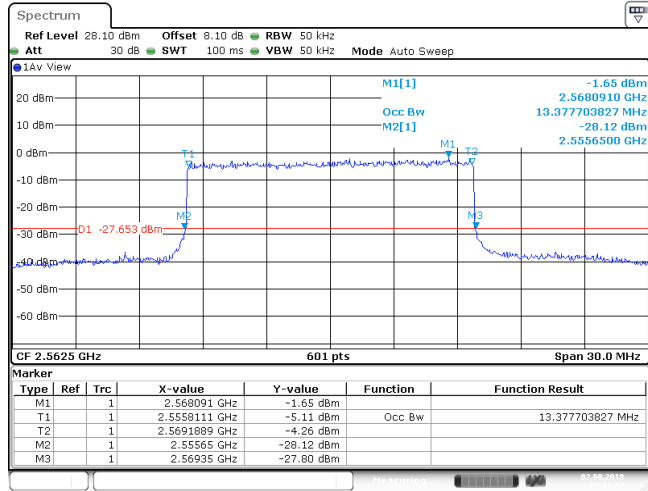
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### Band7\_15MHz\_16QAM\_21100\_75RB#0

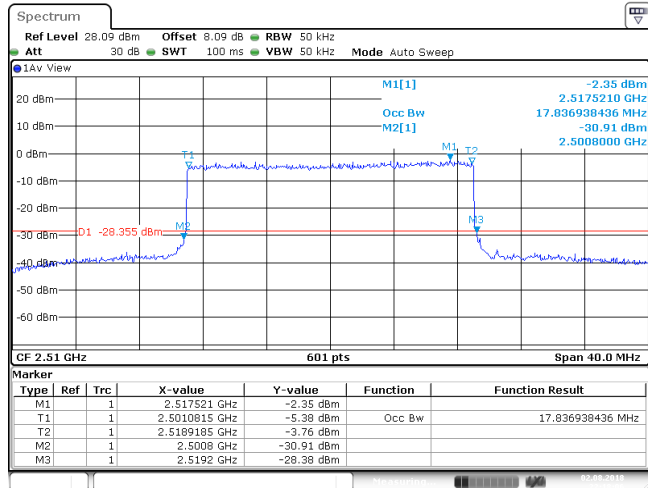


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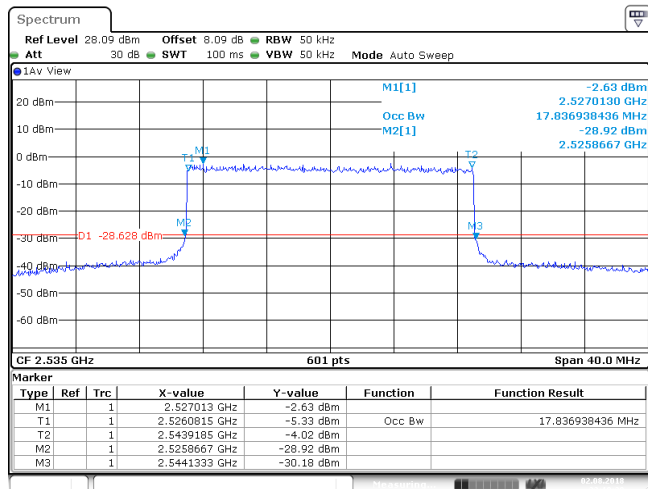
Date: 2.AUG.2018 22:12:31

### Band7\_20MHz\_QPSK\_20850\_100RB#0



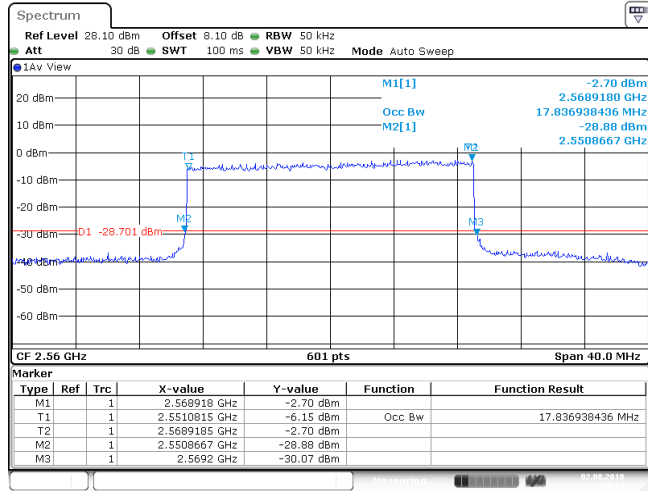
Date: 2.AUG.2018 22:18:05

### Band7\_20MHz\_QPSK\_21100\_100RB#0

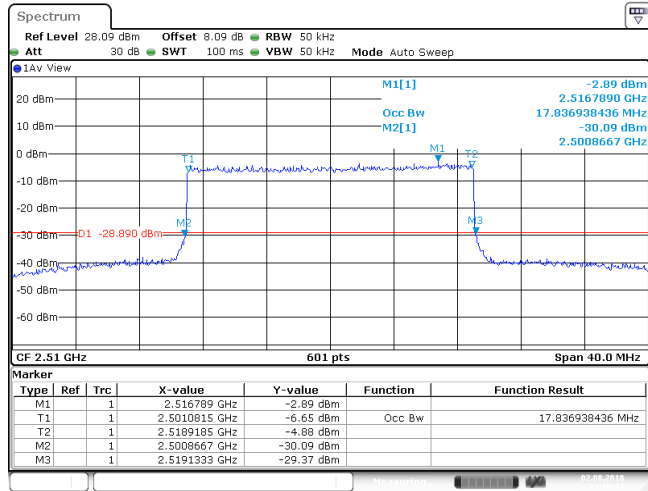


Date: 2.AUG.2018 22:18:39

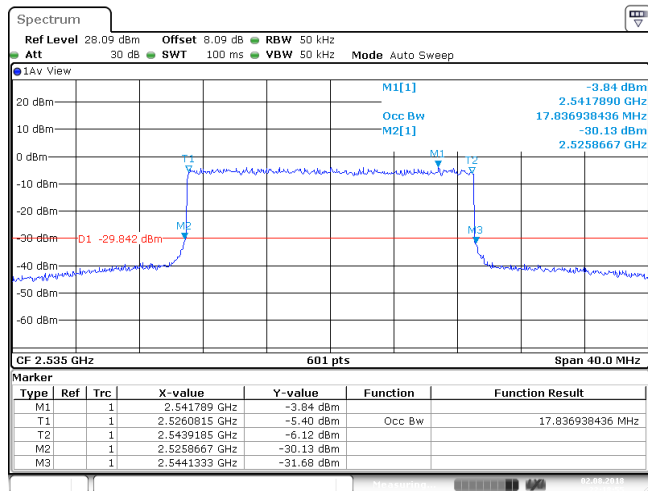
### Band7\_20MHz\_QPSK\_21350\_100RB#0



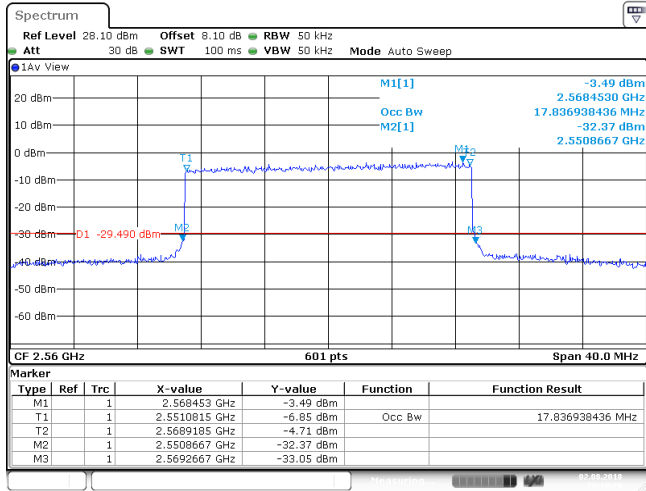
### Band7\_20MHz\_16QAM\_20850\_100RB#0



### Band7\_20MHz\_16QAM\_21100\_100RB#0



# Band7\_20MHz\_16QAM\_21350\_100RB#0



Date: 2.AUG.2018 22:19:29

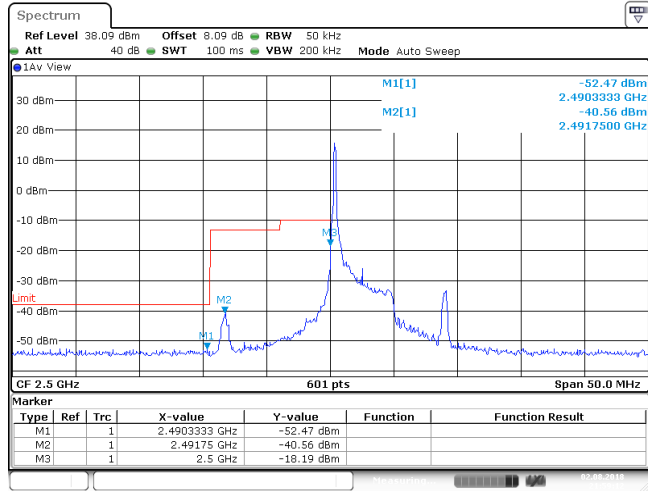
## Appendix C: Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-52.47,-40.56,-18.19	PASS
Band7	5MHz	QPSK	20775	25RB#0	-50.54,-40.59,-27.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	-51.71,-50.91,-34.40	PASS
Band7	5MHz	QPSK	21425	25RB#0	-42.16,-40.45,-30.59	PASS
Band7	5MHz	16QAM	20775	1RB#0	-52.53,-42.79,-21.17	PASS
Band7	5MHz	16QAM	20775	25RB#0	-52.21,-42.84,-29.21	PASS
Band7	5MHz	16QAM	21425	1RB#0	-51.62,-50.42,-34.28	PASS
Band7	5MHz	16QAM	21425	25RB#0	-43.91,-41.95,-32.07	PASS
Band7	10MHz	QPSK	20800	1RB#0	-43.40,-47.19,-28.28	PASS
Band7	10MHz	QPSK	20800	50RB#0	-44.71,-33.96,-29.90	PASS
Band7	10MHz	QPSK	21400	1RB#0	-50.65,-32.44,-41.99	PASS
Band7	10MHz	QPSK	21400	50RB#0	-41.74,-35.60,-30.94	PASS
Band7	10MHz	16QAM	20800	1RB#0	-42.16,-46.98,-27.55	PASS
Band7	10MHz	16QAM	20800	50RB#0	-45.40,-37.25,-32.03	PASS
Band7	10MHz	16QAM	21400	1RB#0	-50.71,-33.61,-41.40	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.99,-37.18,-32.69	PASS
Band7	15MHz	QPSK	20825	1RB#0	-50.74,-42.87,-30.18	PASS
Band7	15MHz	QPSK	20825	75RB#0	-39.77,-34.39,-32.57	PASS
Band7	15MHz	QPSK	21375	1RB#0	-50.77,-33.83,-45.62	PASS
Band7	15MHz	QPSK	21375	75RB#0	-43.81,-33.45,-30.77	PASS
Band7	15MHz	16QAM	20825	1RB#0	-50.17,-42.38,-29.71	PASS
Band7	15MHz	16QAM	20825	75RB#0	-41.88,-35.57,-33.89	PASS
Band7	15MHz	16QAM	21375	1RB#0	-51.03,-34.78,-45.40	PASS
Band7	15MHz	16QAM	21375	75RB#0	-43.50,-35.60,-33.07	PASS
Band7	20MHz	QPSK	20850	1RB#0	-50.29,-43.04,-34.01	PASS
Band7	20MHz	QPSK	20850	100RB#0	-38.27,-34.36,-34.01	PASS
Band7	20MHz	QPSK	21350	1RB#0	-50.88,-36.05,-46.51	PASS
Band7	20MHz	QPSK	21350	100RB#0	-44.49,-33.96,-32.44	PASS
Band7	20MHz	16QAM	20850	1RB#0	-49.52,-44.12,-35.77	PASS
Band7	20MHz	16QAM	20850	100RB#0	-40.53,-36.70,-35.06	PASS
Band7	20MHz	16QAM	21350	1RB#0	-49.95,-36.39,-46.57	PASS
Band7	20MHz	16QAM	21350	100RB#0	-44.98,-36.08,-33.70	PASS

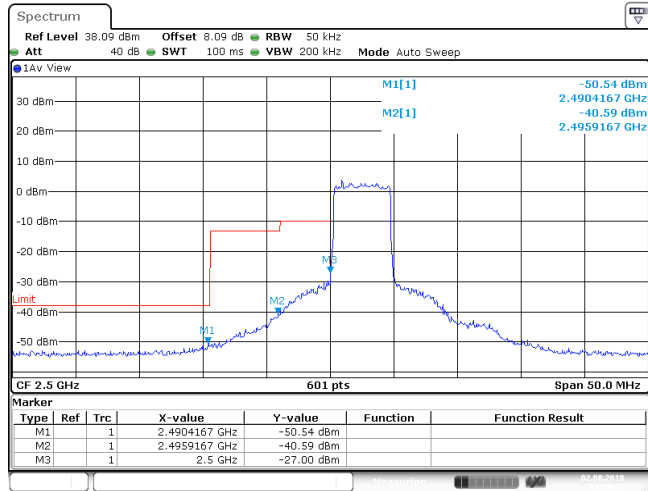
### Test Graphs

### Band7\_5MHz\_QPSK\_20775\_1RB#0



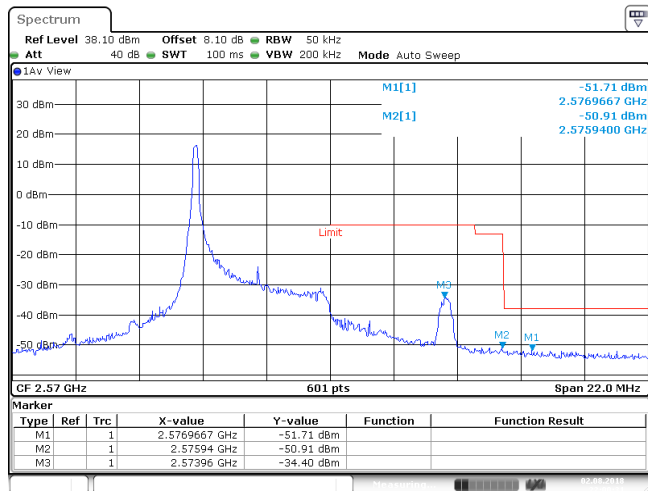
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### Band7\_5MHz\_QPSK\_20775\_25RB#0



Date: 2.AUG.2018 21:59:44

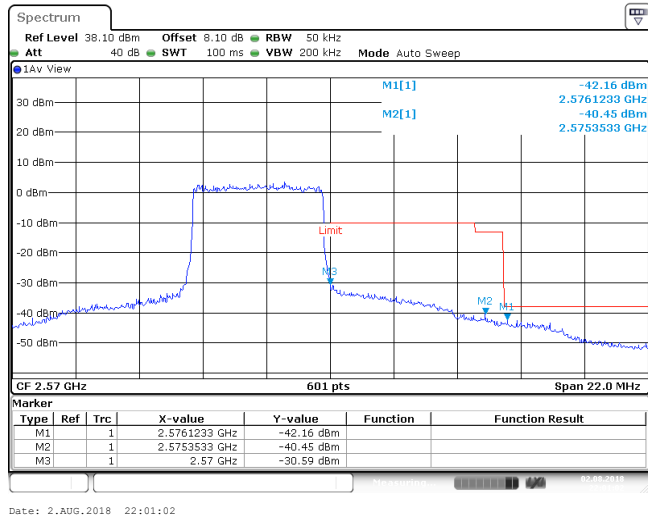
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Date: 2.AUG.2018 22:00:30

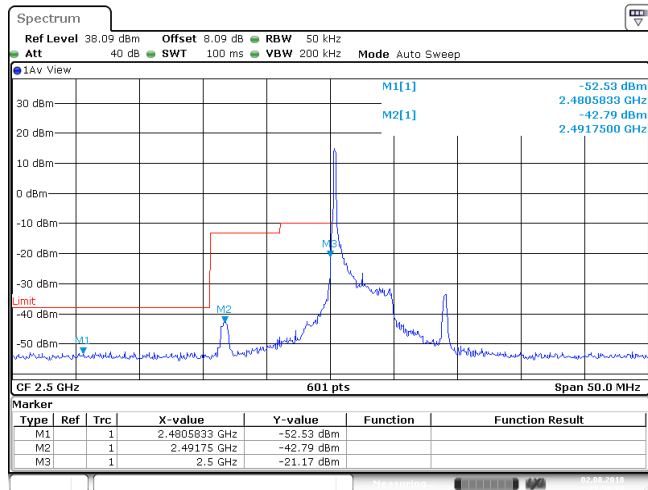


### Band7\_5MHz\_QPSK\_21425\_25RB#0



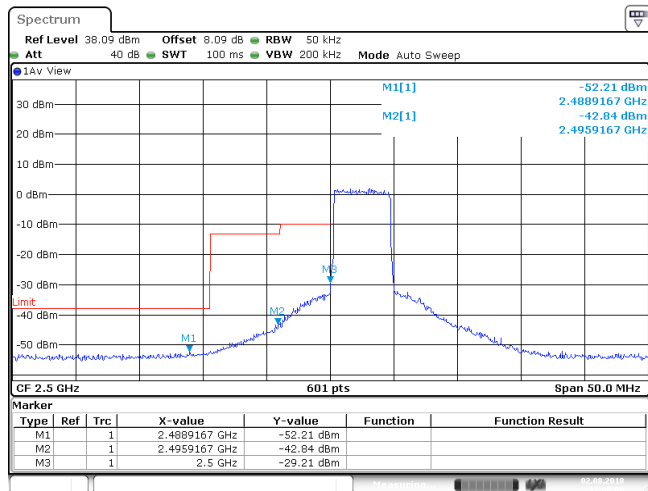
Date: 2.AUG.2018 22:01:02

### Band7\_5MHz\_16QAM\_20775\_1RB#0



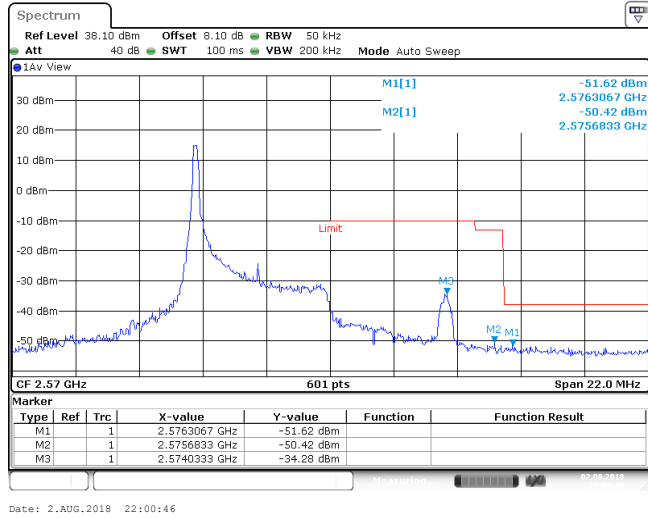
Date: 2.AUG.2018 21:59:28

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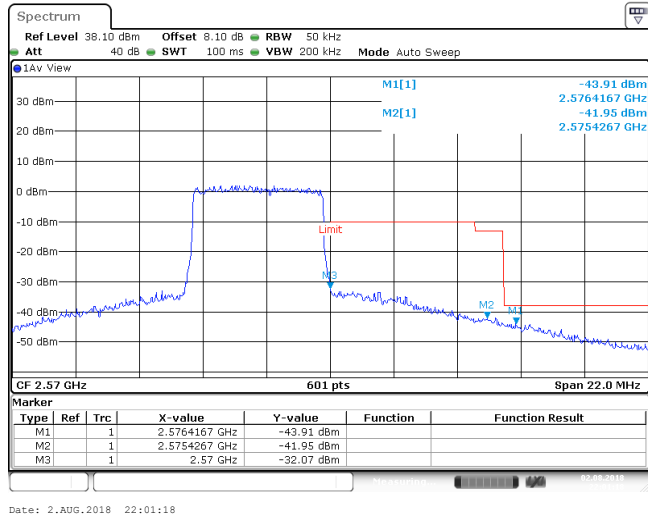


Date: 2.AUG.2018 22:00:00

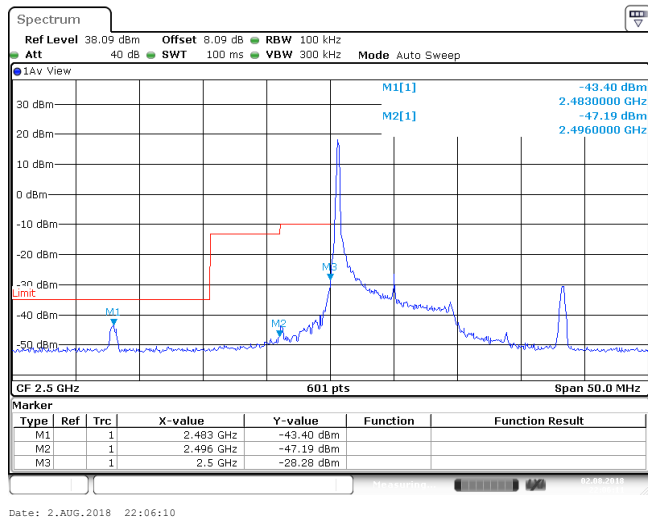
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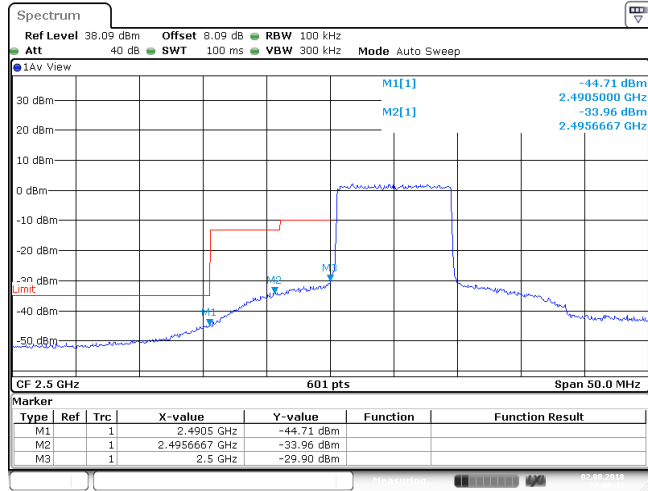
### Band7\_5MHz\_16QAM\_21425\_25RB#0



### Band7\_10MHz\_QPSK\_20800\_1RB#0

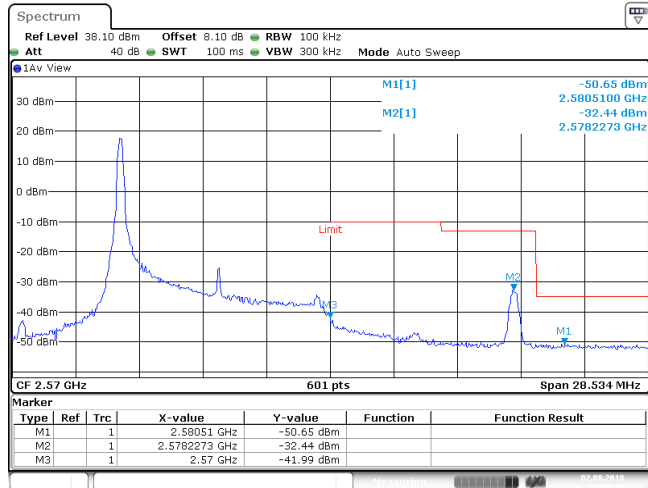


### Band7\_10MHz\_QPSK\_20800\_50RB#0



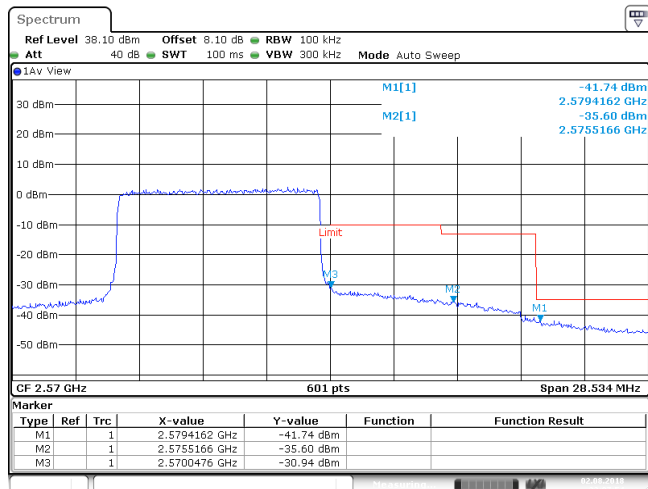
Date: 2.AUG.2018 22:06:43

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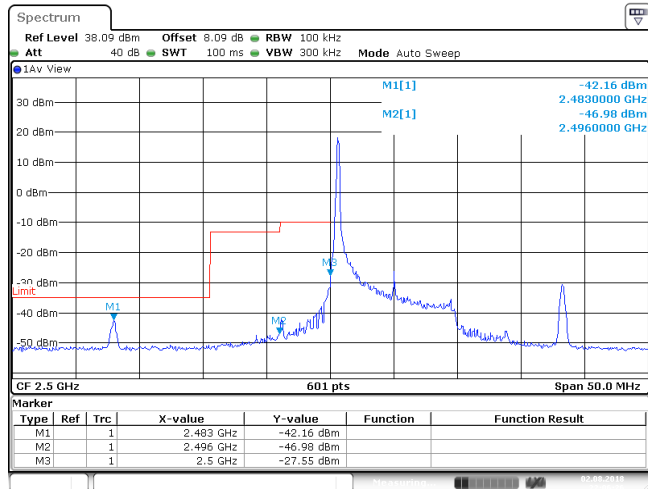
Date: 2.AUG.2018 22:07:21

### Band7\_10MHz\_QPSK\_21400\_50RB#0



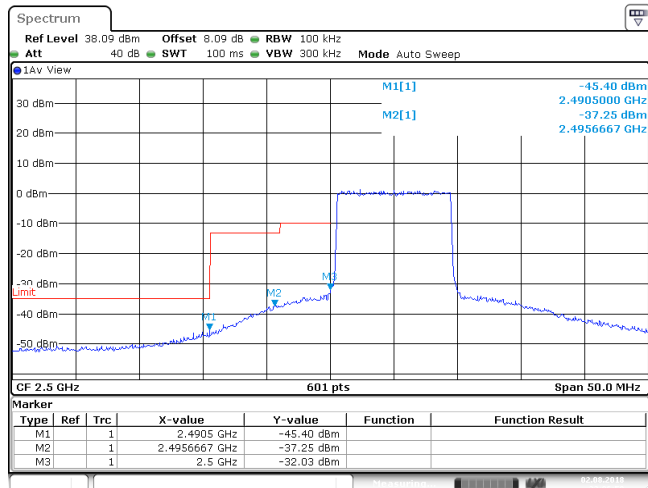
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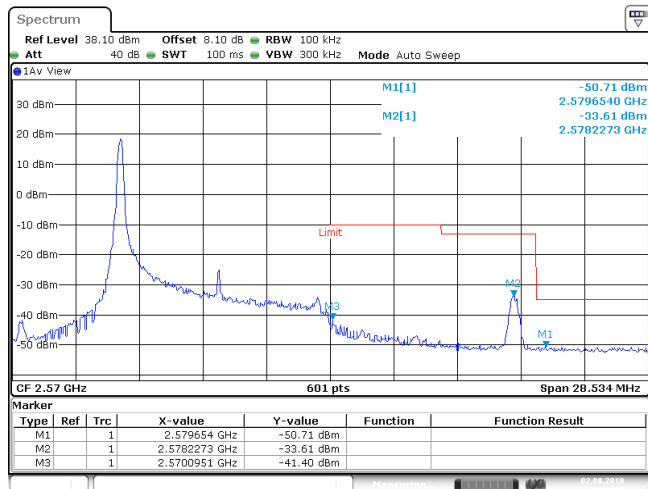
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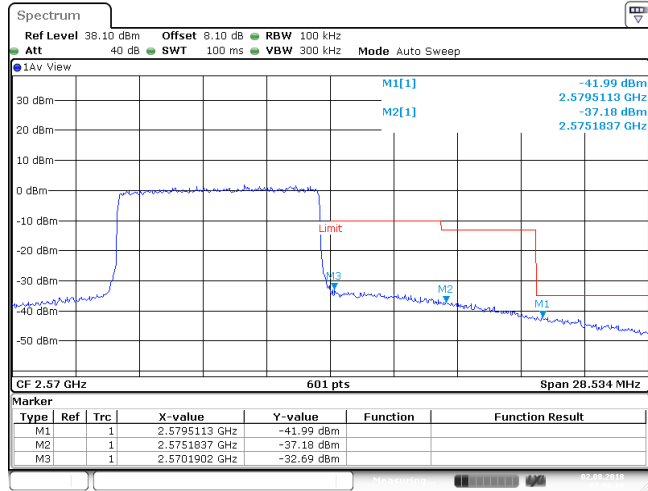
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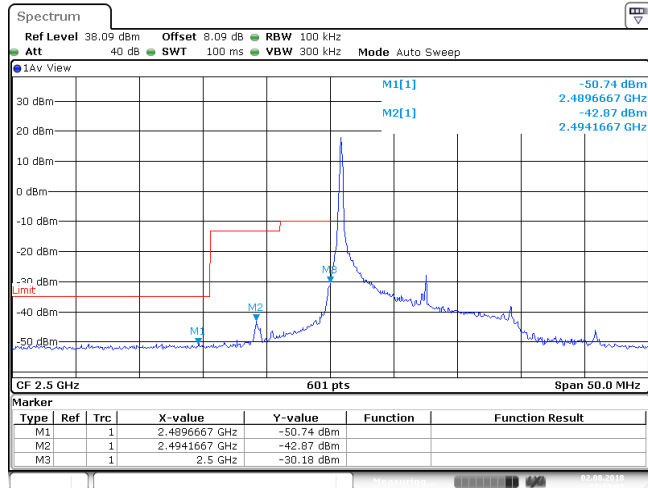
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### Band7\_10MHz\_16QAM\_21400\_50RB#0



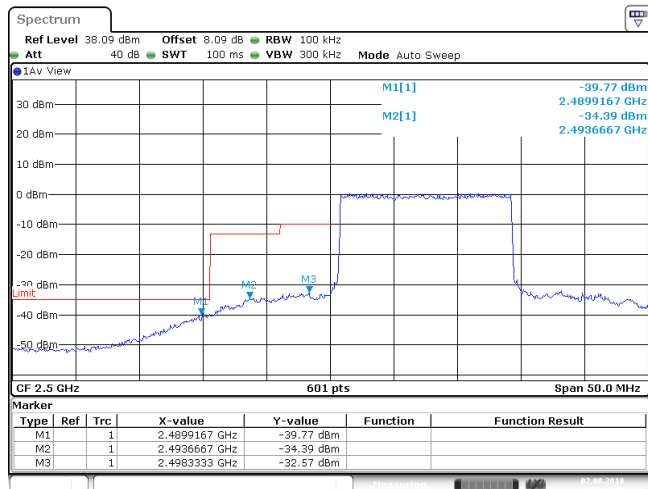
Date: 2.AUG.2018 22:08:10

### Band7\_15MHz\_QPSK\_20825\_1RB#0



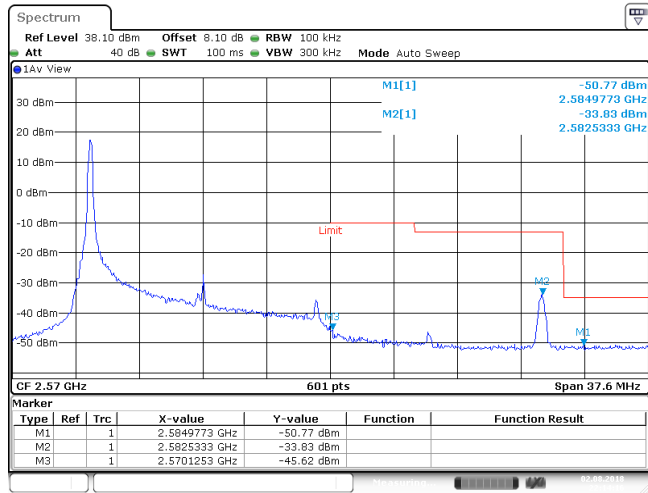
Date: 2.AUG.2018 22:13:02

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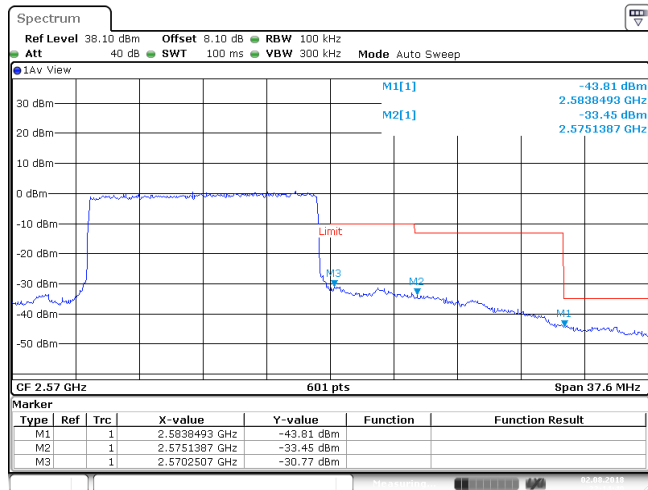
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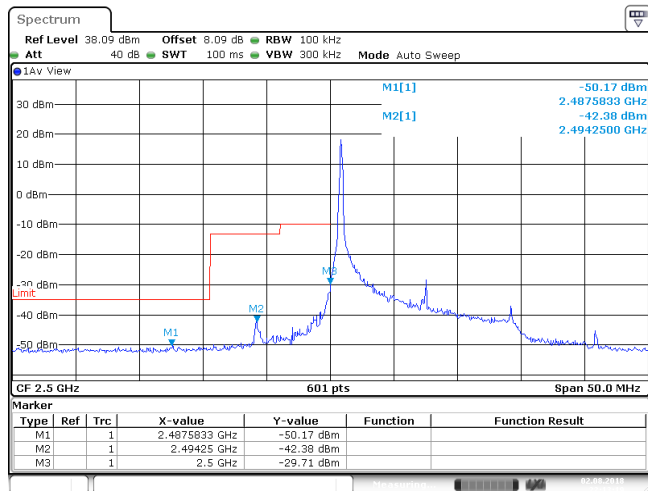
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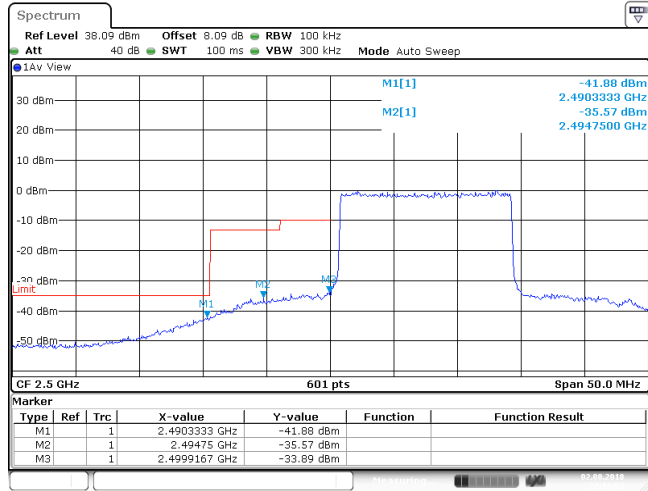
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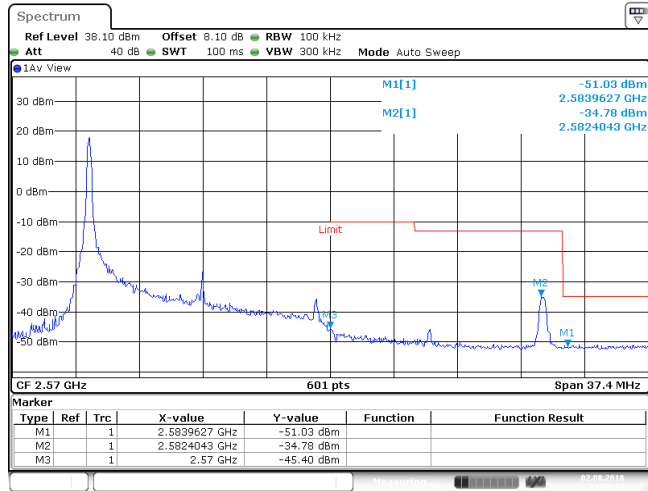
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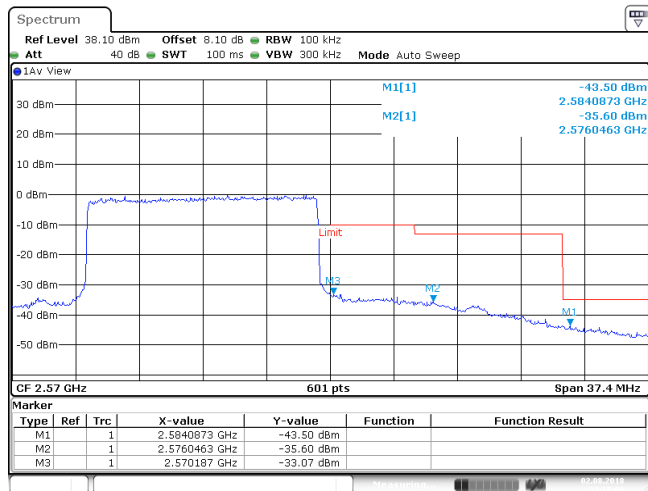
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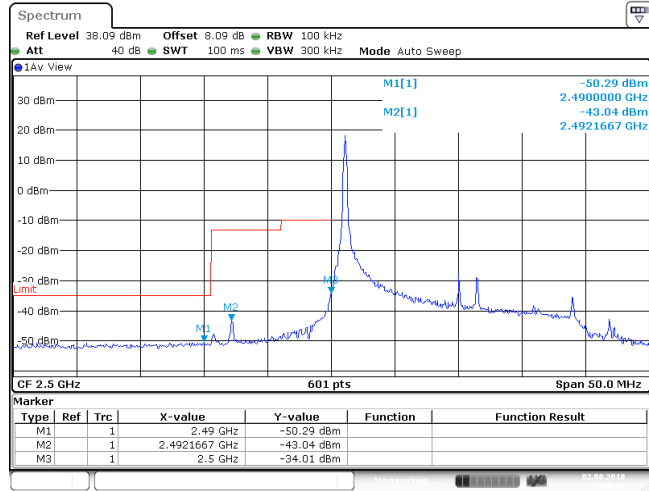
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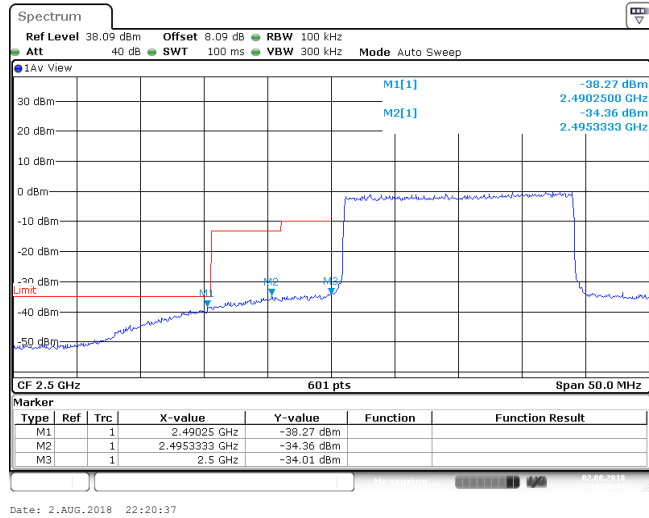


Date: 2.AUG.2018 22:15:06

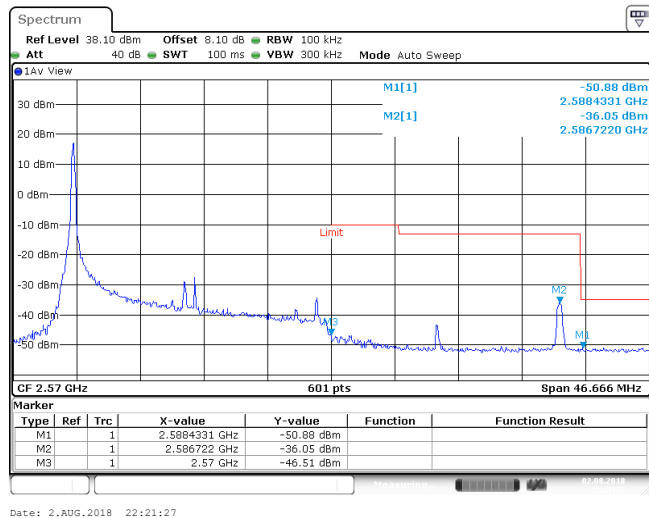
### Band7\_20MHz\_QPSK\_20850\_1RB#0



### Band7\_20MHz\_QPSK\_20850\_100RB#0

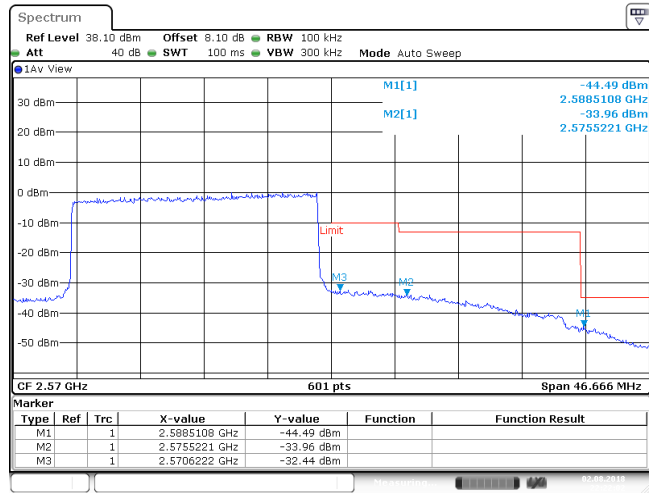


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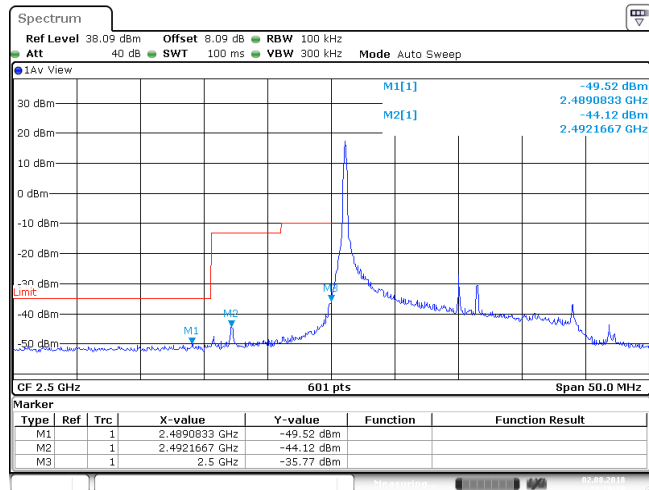


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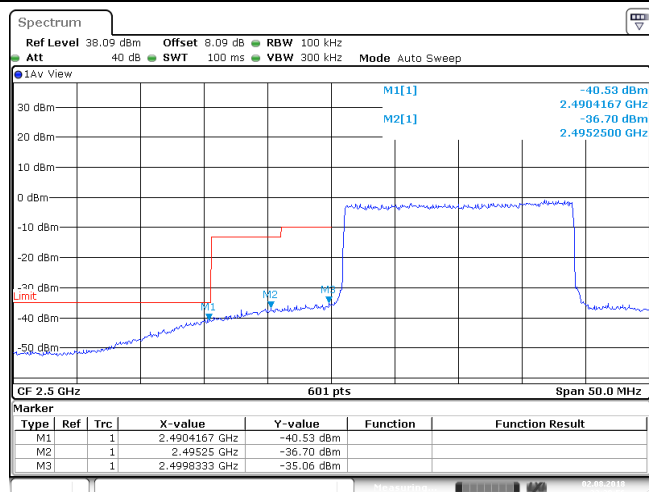
Date: 2.AUG.2018 22:22:02

### Band7\_20MHz\_16QAM\_20850\_1RB#0



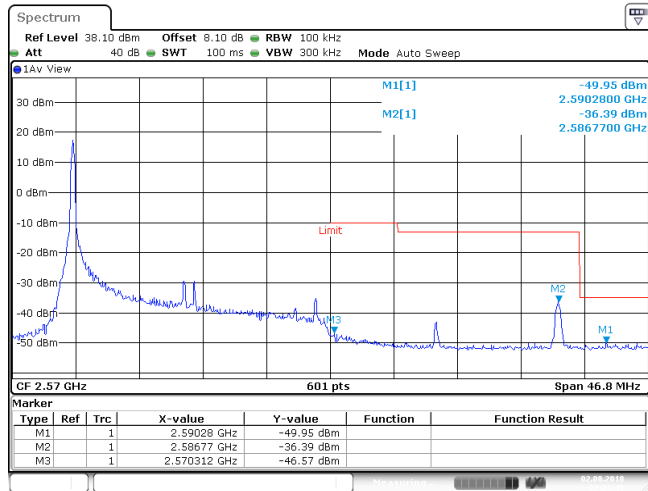
Date: 2.AUG.2018 22:20:20

### Band7\_20MHz\_16QAM\_20850\_100RB#0



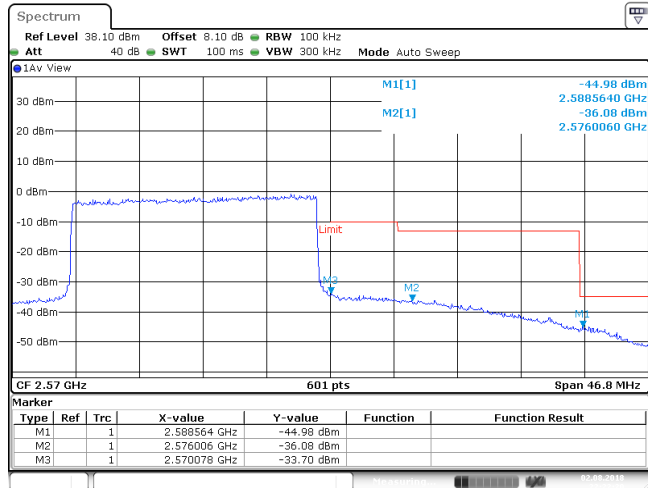
Date: 2.AUG.2018 22:20:55

### Band7\_20MHz\_16QAM\_21350\_1RB#0



Date: 2.AUG.2018 22:21:45

### Band7\_20MHz\_16QAM\_21350\_100RB#0



Date: 2.AUG.2018 22:22:20