

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

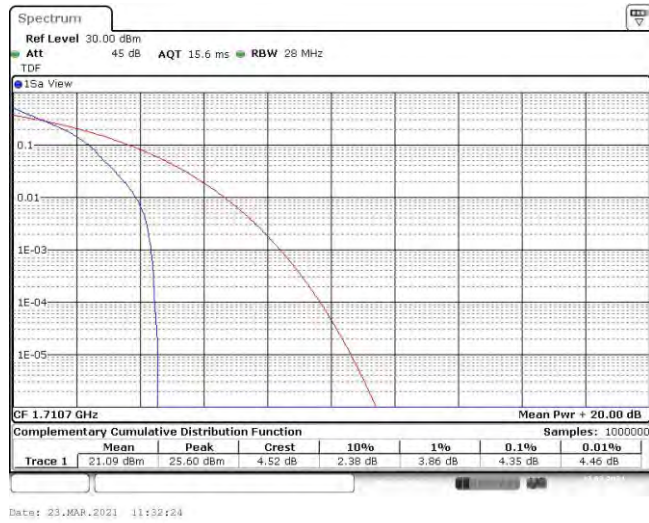
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.35	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.13	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	5.28	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.59	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	5.10	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.45	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.84	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.88	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.97	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.32	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.74	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.32	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.25	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.59	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.51	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.03	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.32	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.32	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.30	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.57	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.51	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.03	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.23	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.20	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.39	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.54	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.54	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.17	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.32	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.26	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.65	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.77	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.77	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.20	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.26	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.29	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.30	13	PASS

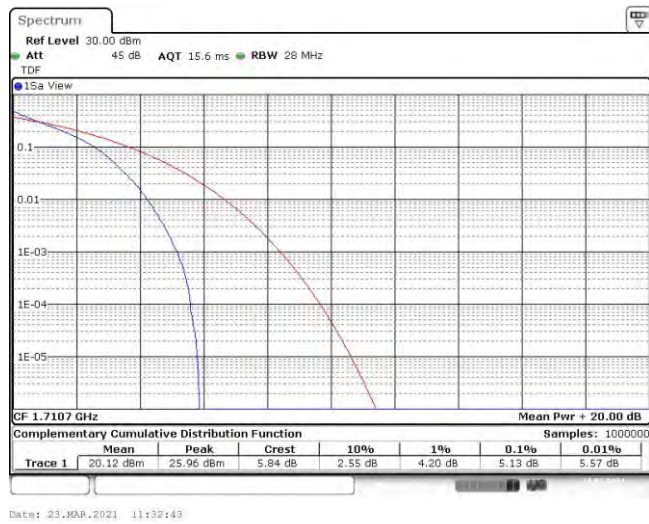
Band4	20MHz	QPSK	20175	100RB#0	5.45	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.48	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.17	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.20	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.26	13	PASS

# Test Graphs

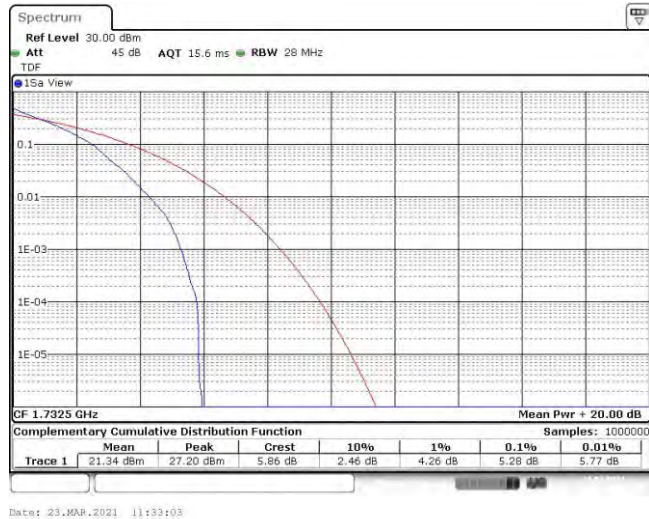
Band4-1.4MHz-QPSK-19957-1RB#0



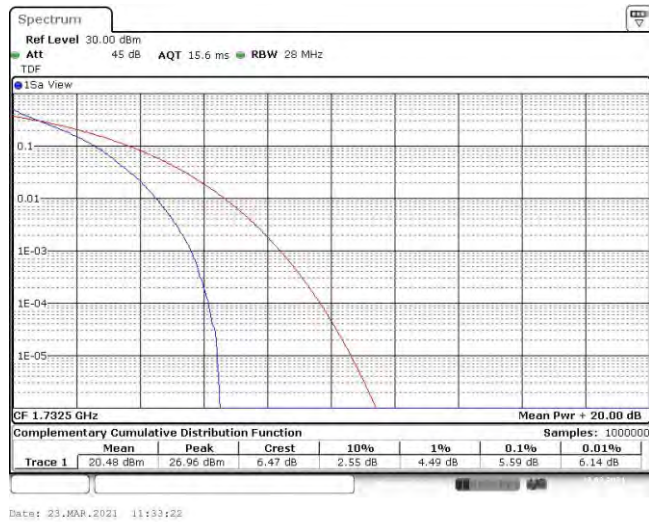
Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20175-1RB#0



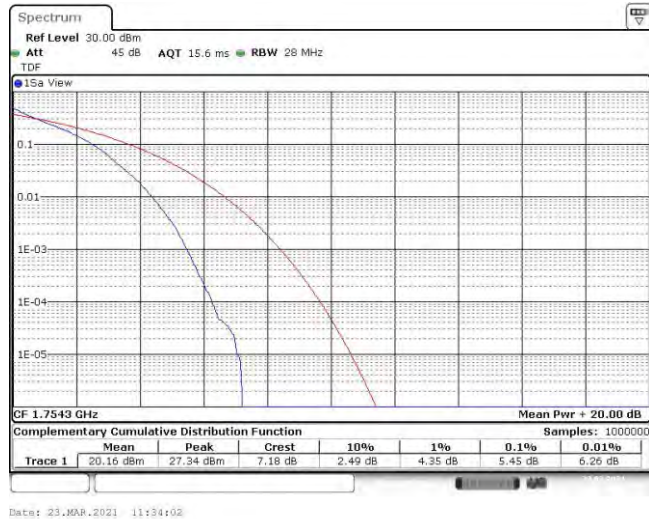
Band4-1.4MHz-QPSK-20175-6RB#0



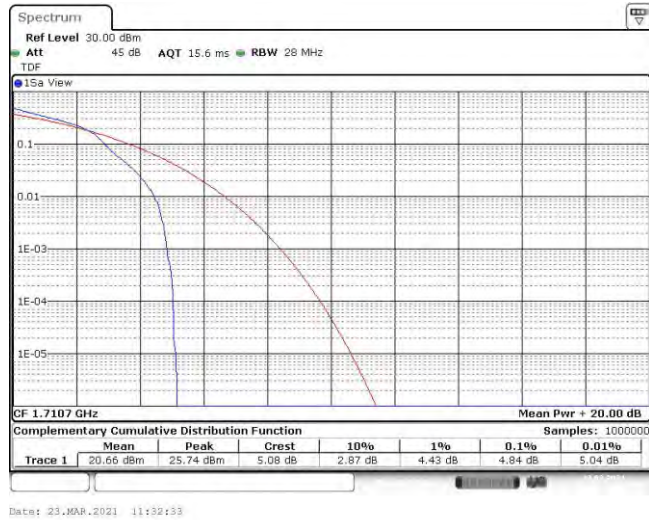
Band4-1.4MHz-QPSK-20393-1RB#0



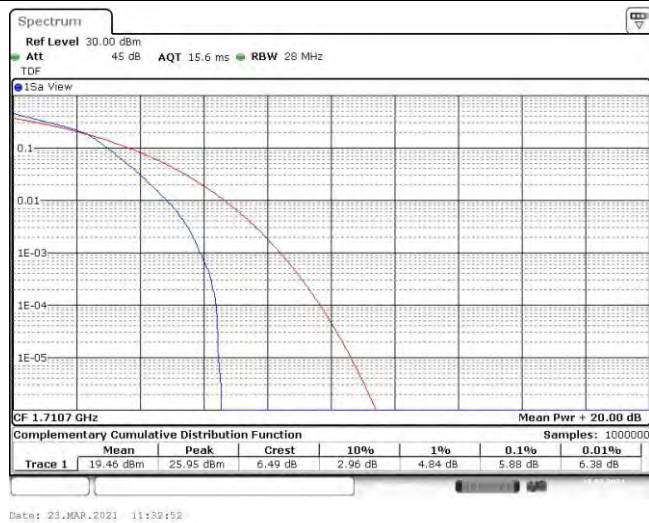
Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-1RB#0



Band4-1.4MHz-16QAM-19957-6RB#0



Band4-1.4MHz-16QAM-20175-1RB#0



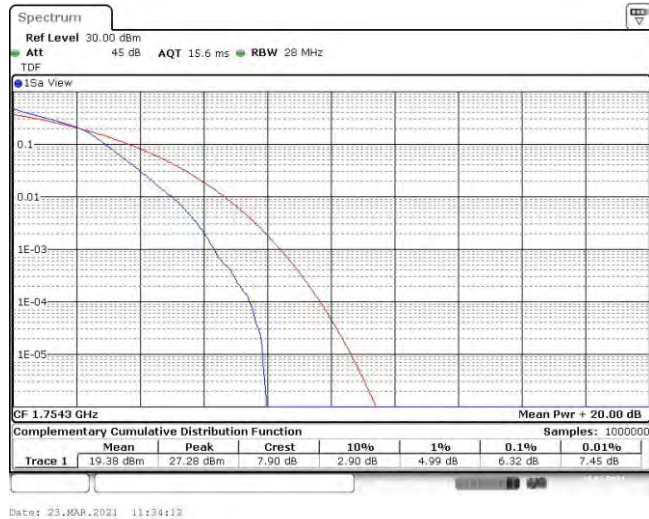
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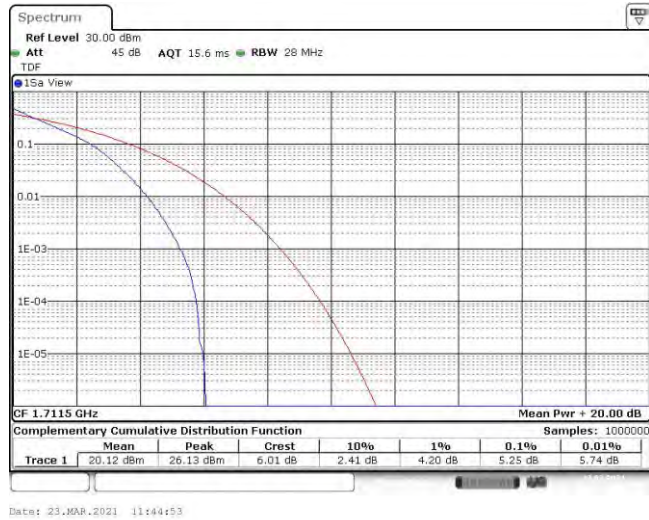
Band4-1.4MHz-16QAM-20393-1RB#0



Band4-1.4MHz-16QAM-20393-6RB#0



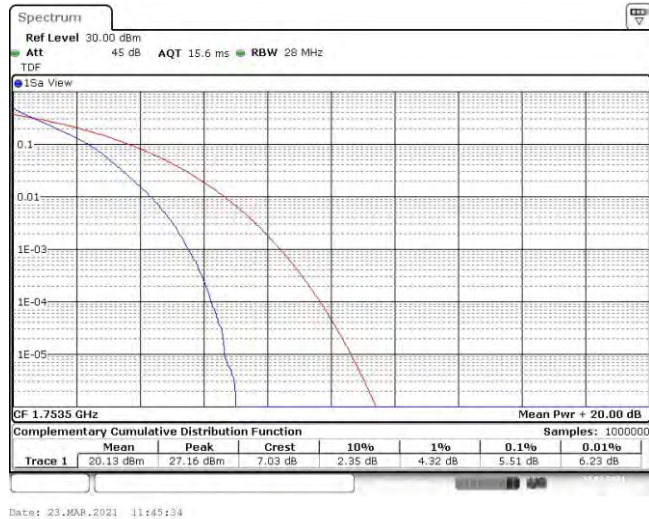
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Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-15RB#0



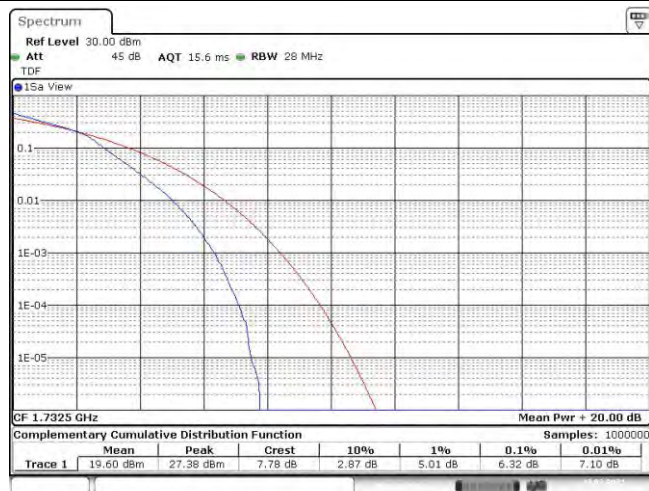
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Date: 23.MAR.2021 11:45:02

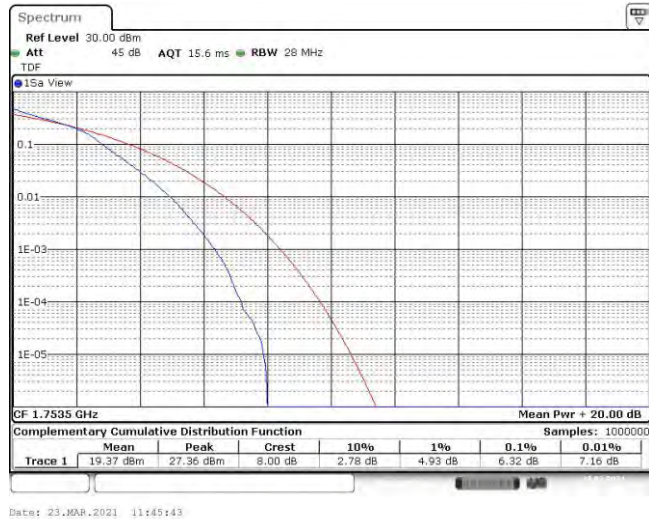
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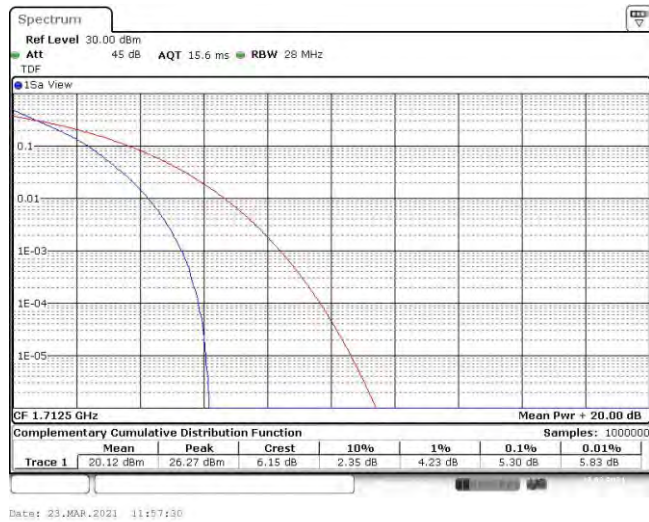
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### Band4-3MHz-16QAM-20385-15RB#0





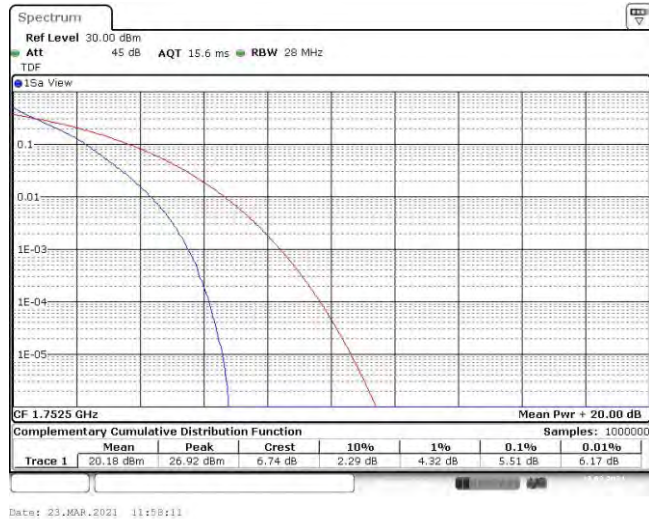
Band4-5MHz-QPSK-19975-25RB#0



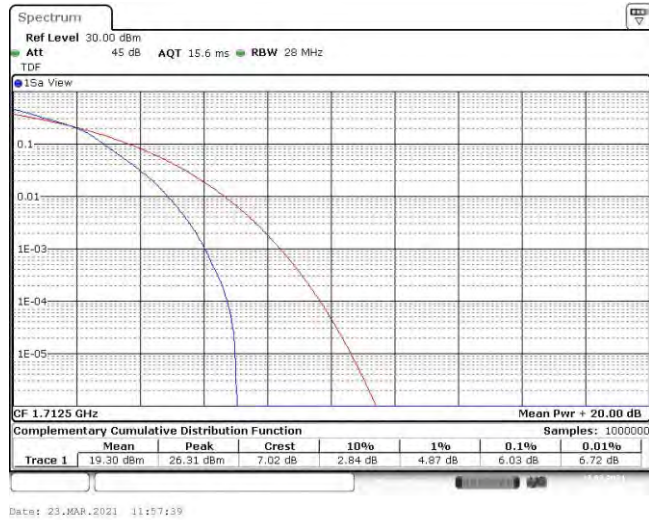
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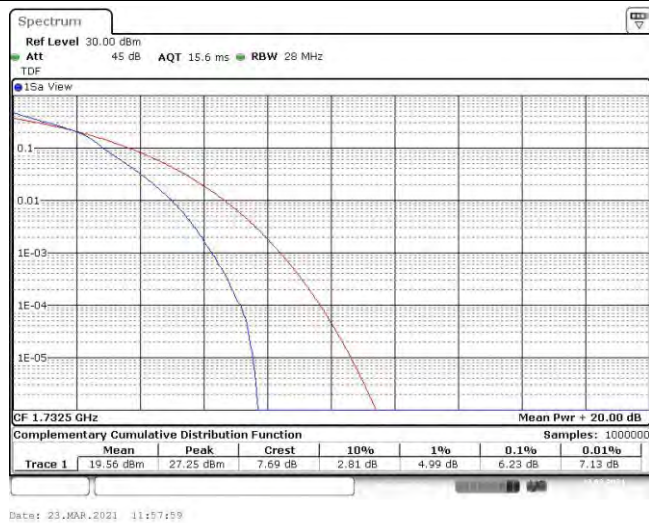
Band4-5MHz-QPSK-20375-25RB#0



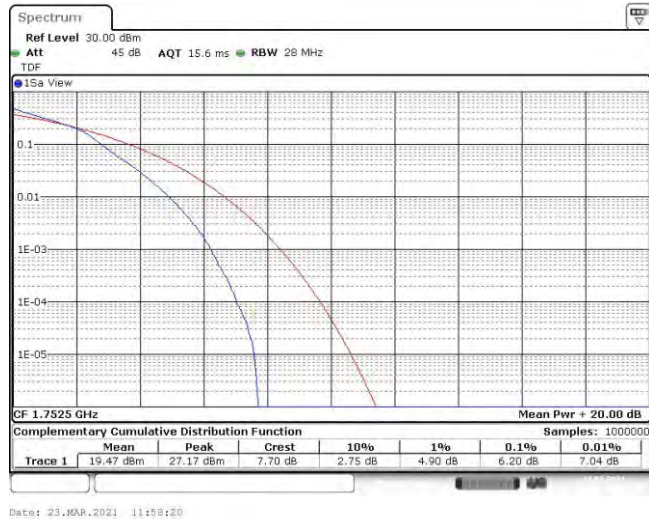
Band4-5MHz-16QAM-19975-25RB#0



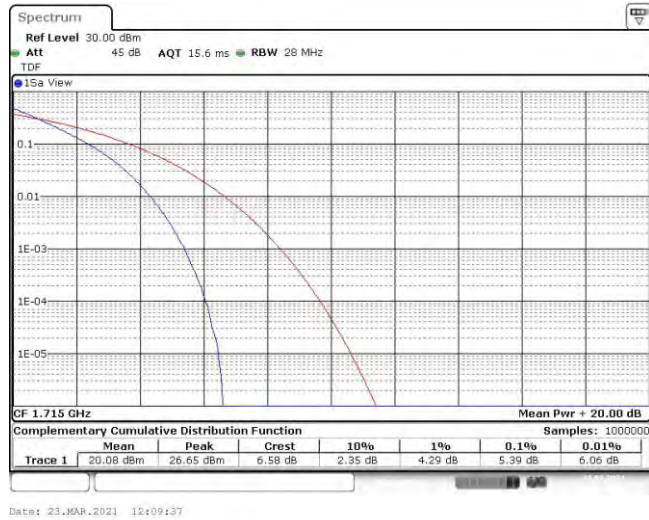
Band4-5MHz-16QAM-20175-25RB#0



Band4-5MHz-16QAM-20375-25RB#0



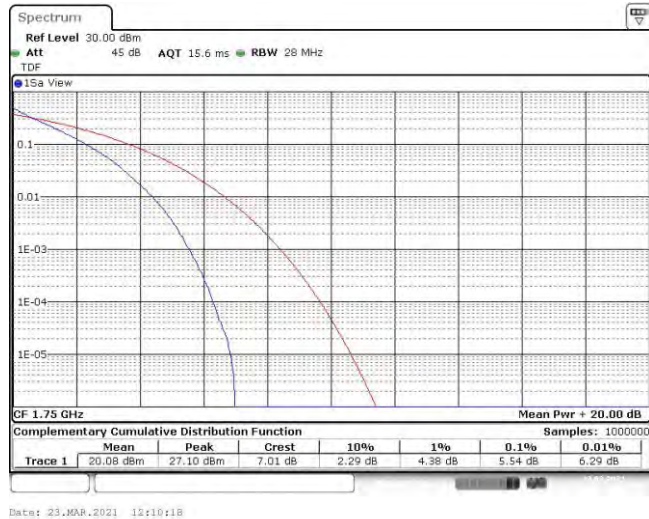
Band4-10MHz-QPSK-20000-50RB#0



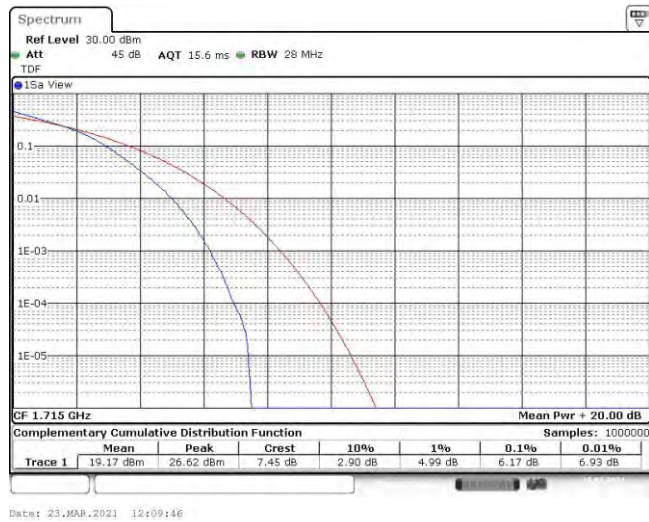
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Band4-10MHz-QPSK-20350-50RB#0



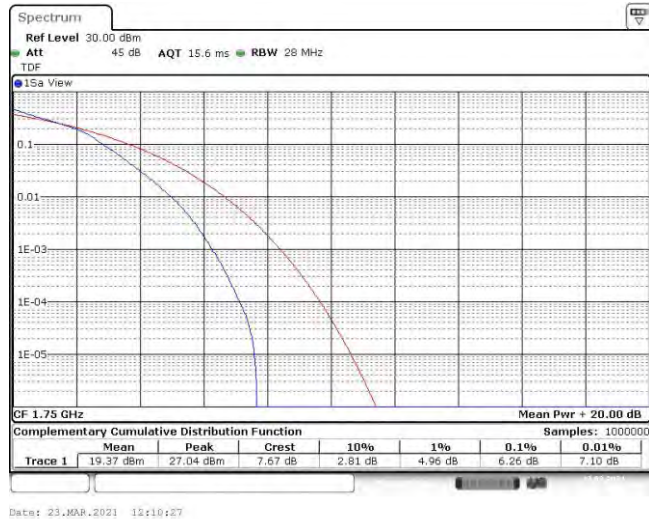
Band4-10MHz-16QAM-20000-50RB#0



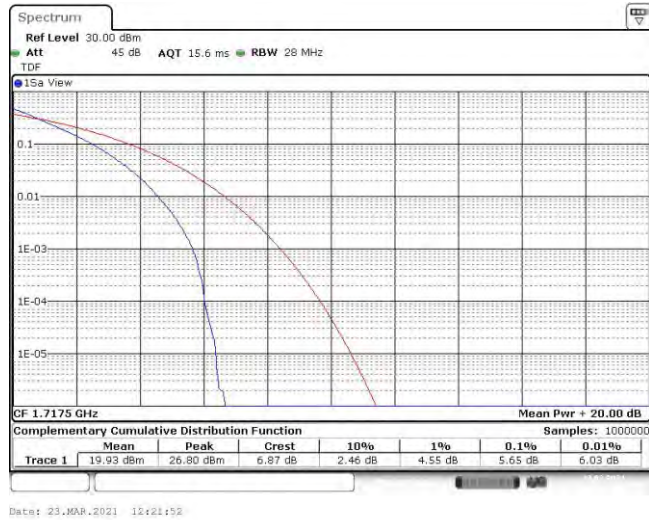
Band4-10MHz-16QAM-20175-50RB#0



Band4-10MHz-16QAM-20350-50RB#0



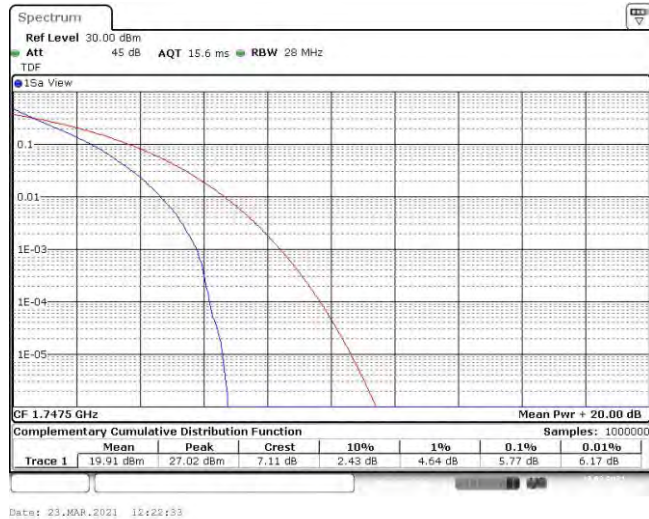
Band4-15MHz-QPSK-20025-75RB#0



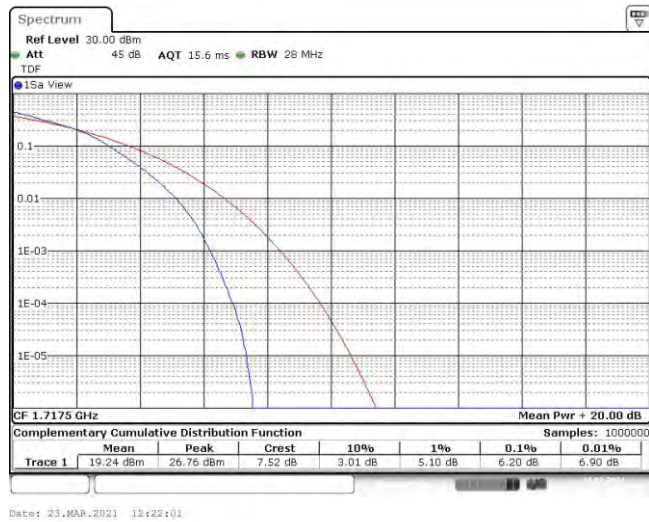
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Band4-15MHz-QPSK-20325-75RB#0



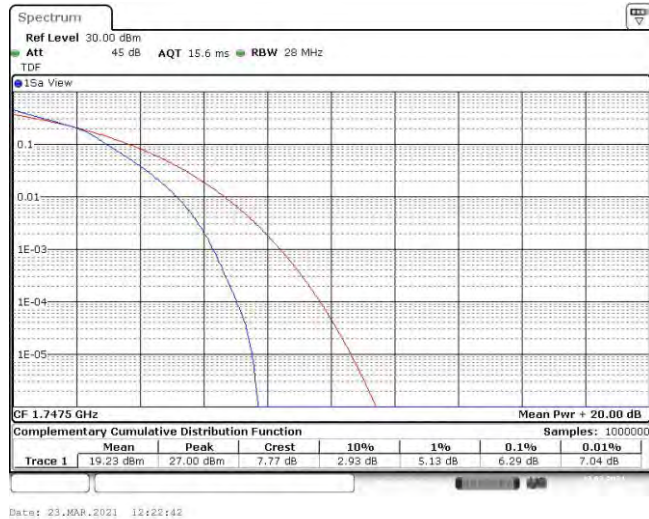
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Band4-15MHz-16QAM-20175-75RB#0



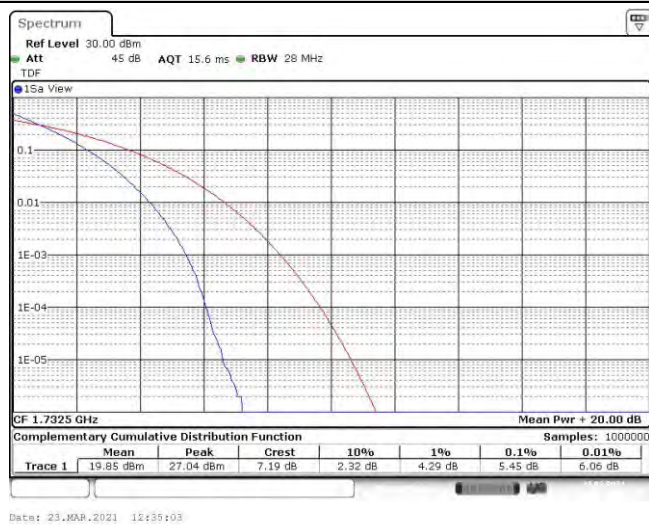
Band4-15MHz-16QAM-20325-75RB#0



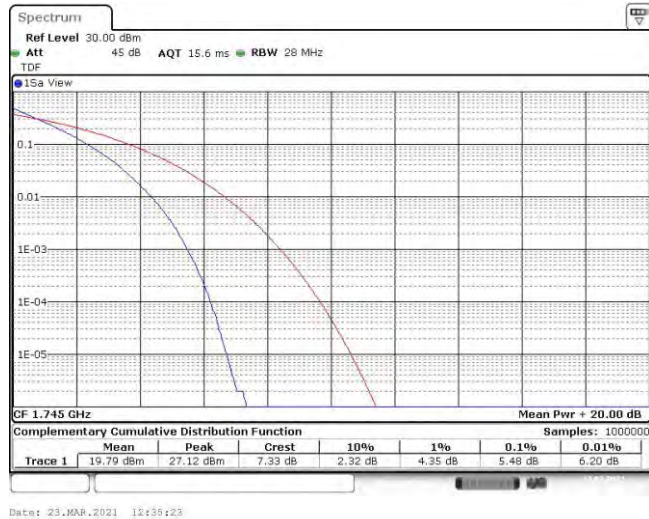
Band4-20MHz-QPSK-20050-100RB#0



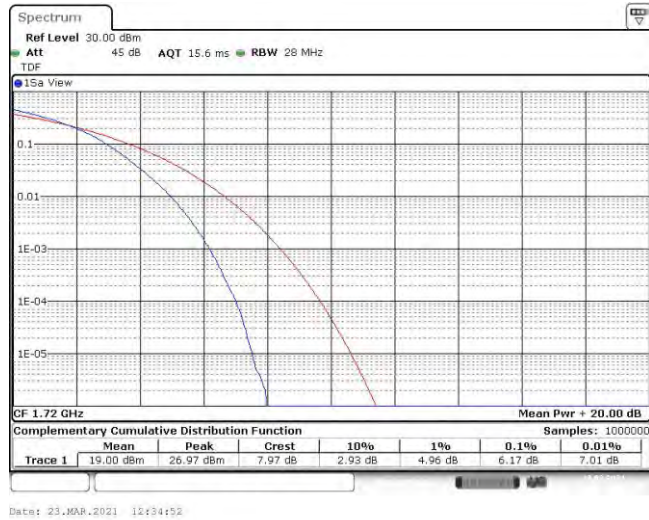
Band4-20MHz-QPSK-20175-100RB#0



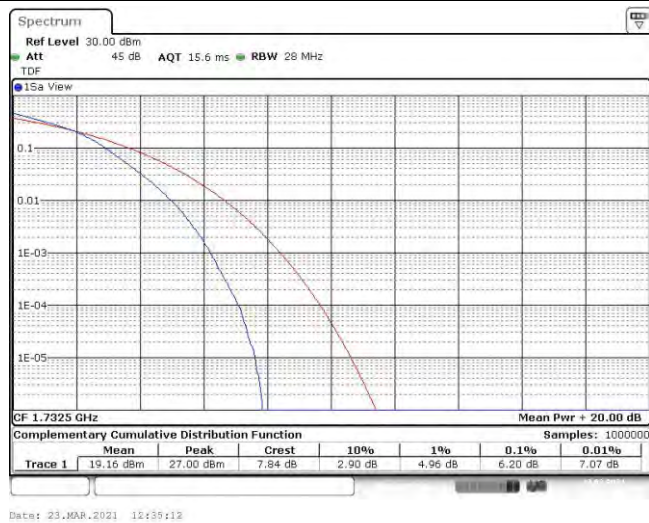
Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-100RB#0

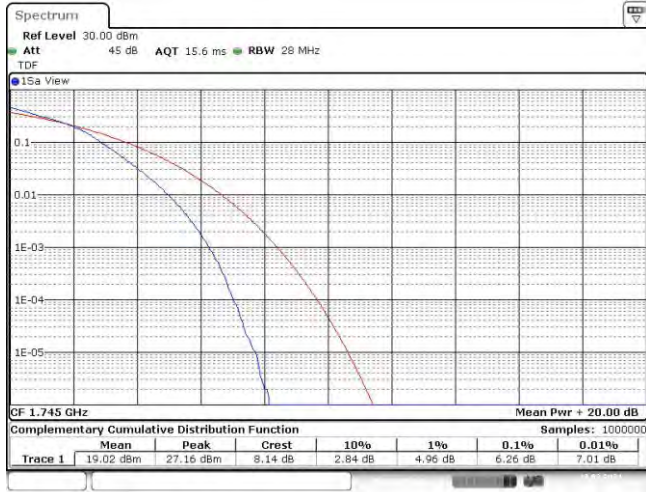


Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0





Date: 23.MAR.2021 12:39:33

## Appendix B: 26dB Bandwidth and Occupied Bandwidth

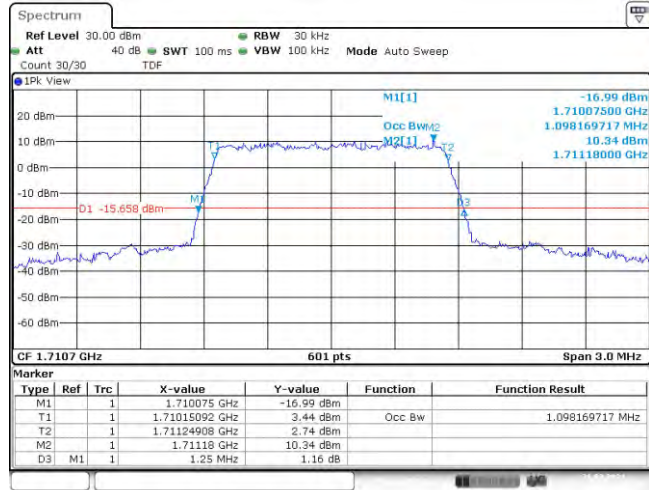
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.098	1.250	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.098	1.260	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.093	1.255	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.098	1.260	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.093	1.255	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.108	1.260	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.705	3.040	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.705	3.050	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.725	3.040	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.705	3.070	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.705	3.050	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.705	3.050	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.505	4.980	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.505	5.020	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.505	5.020	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.505	5.000	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.535	5.020	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.505	4.990	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.985	9.933	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.985	9.900	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.018	9.967	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.985	10.000	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.018	10.000	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.985	10.033	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.428	15.100	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.428	14.950	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.527	15.100	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.478	15.050	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.478	15.000	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.527	15.050	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.97	19.933	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.103	19.933	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.103	20.067	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.97	20.000	PASS

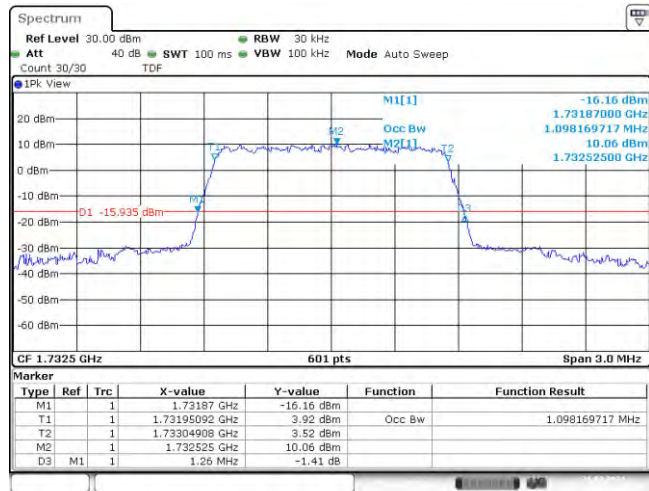
Band4	20MHz	16QAM	20175	100RB#0	18.103	20.200	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.103	20.067	PASS

# Test Graphs

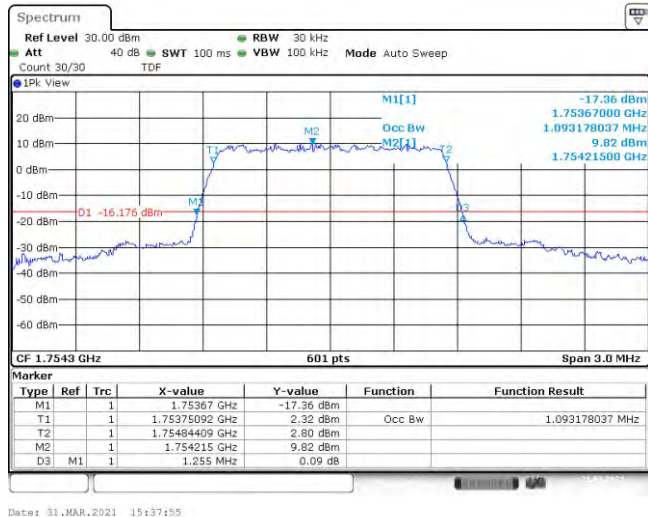
Band4-1.4MHz-QPSK-19957-6RB#0-1.098



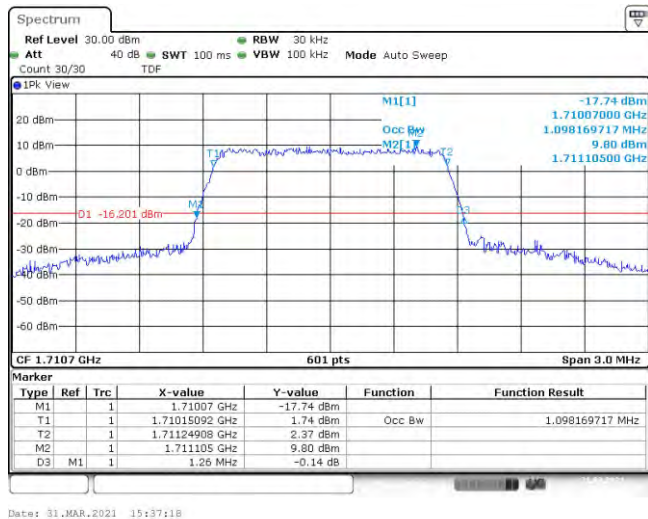
Band4-1.4MHz-QPSK-20175-6RB#0-1.098



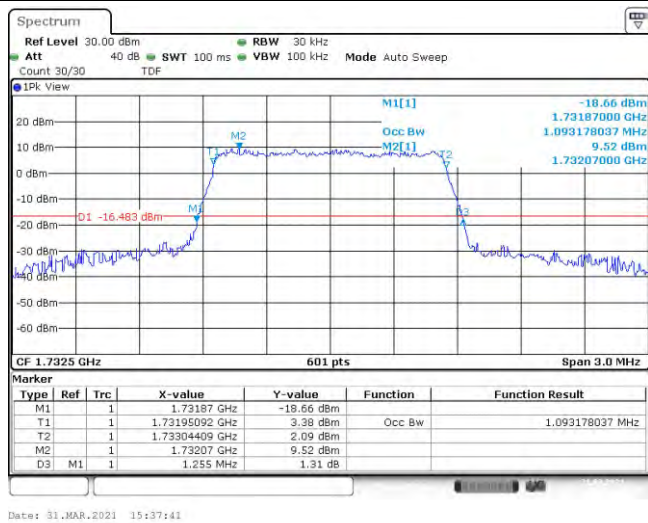
Band4-1.4MHz-QPSK-20393-6RB#0-1.093



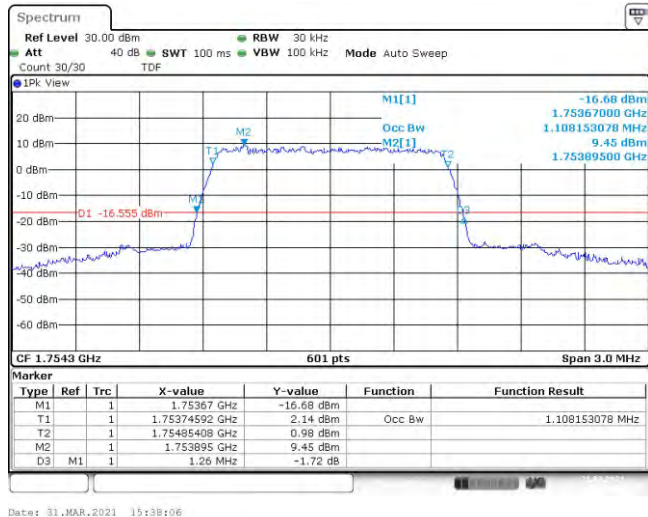
Band4-1.4MHz-16QAM-19957-6RB#0-1.098



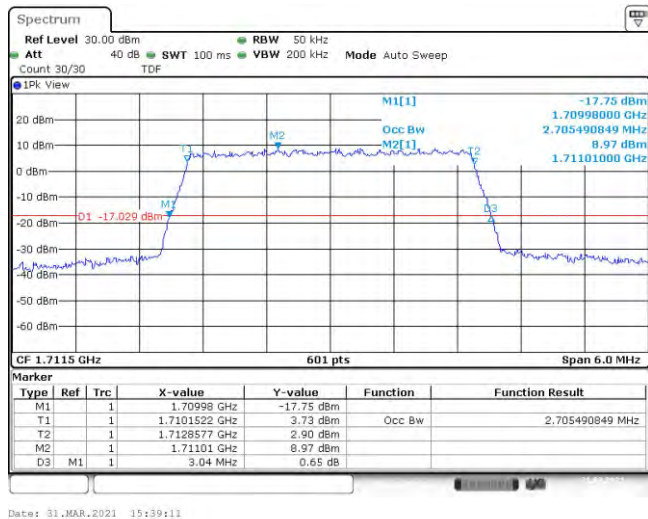
Band4-1.4MHz-16QAM-20175-6RB#0-1.093



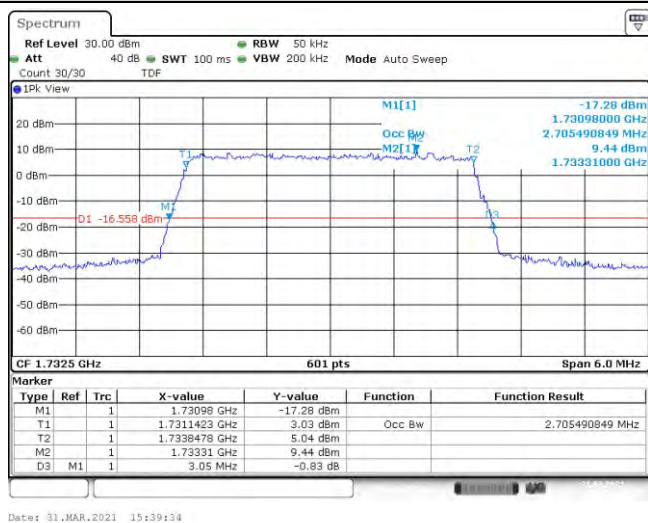
Band4-1.4MHz-16QAM-20393-6RB#0-1.108



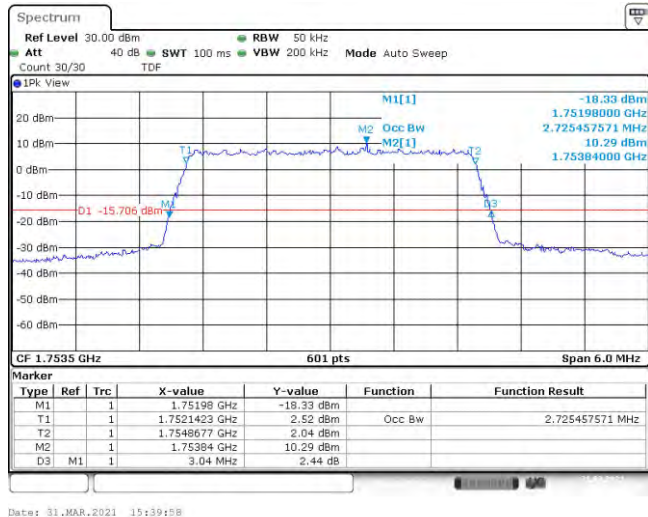
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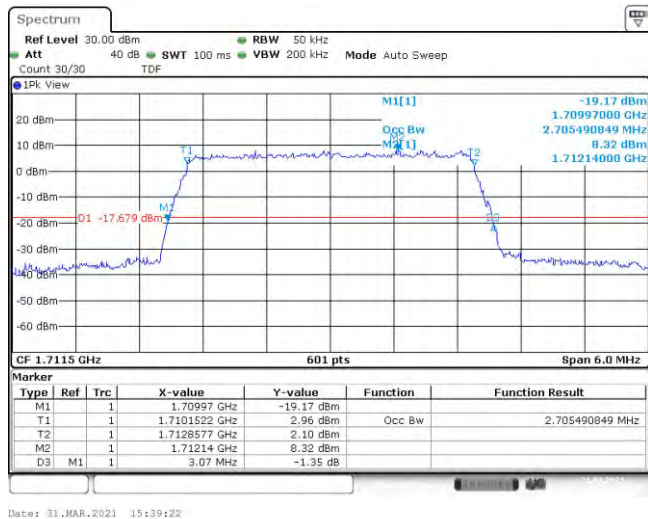
### Band4-3MHz-QPSK-20175-15RB#0-2.705



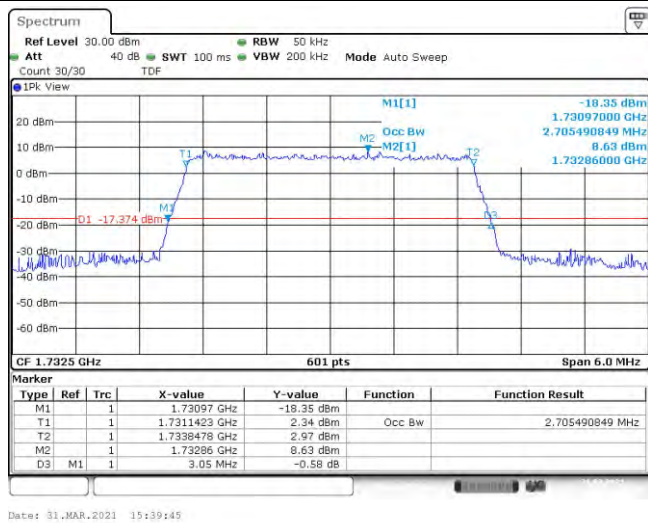
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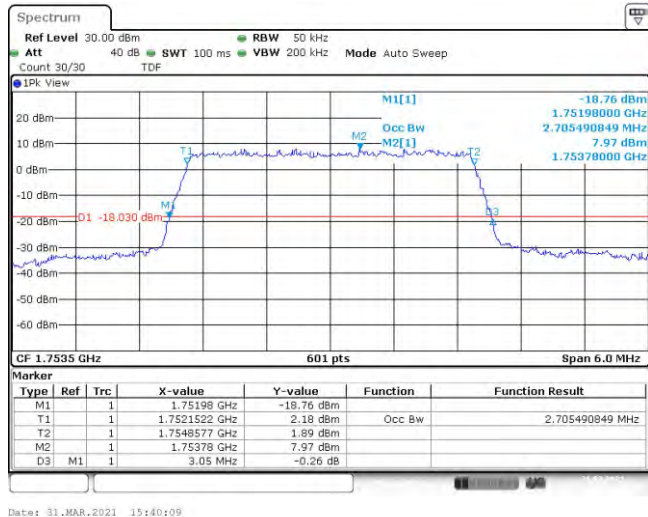
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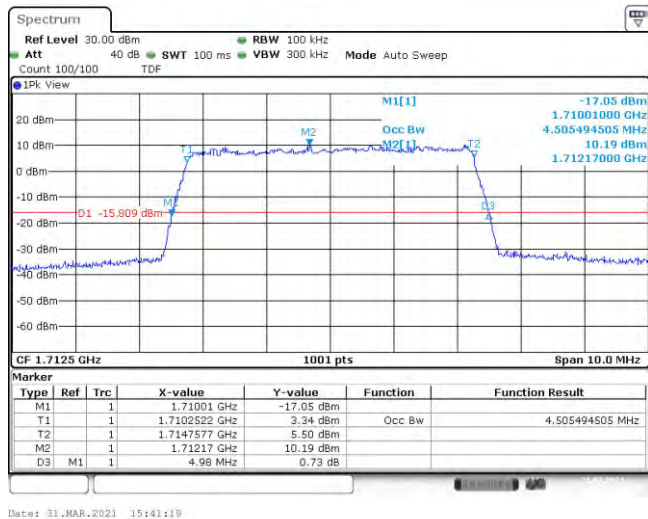
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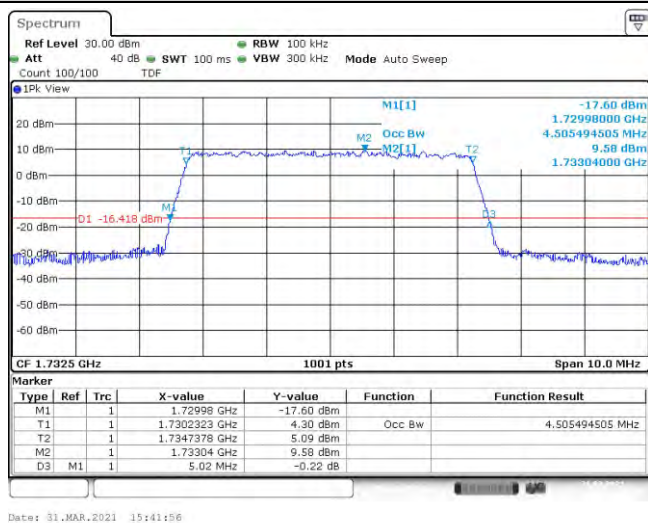
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### Band4-5MHz-QPSK-19975-25RB#0-4.505

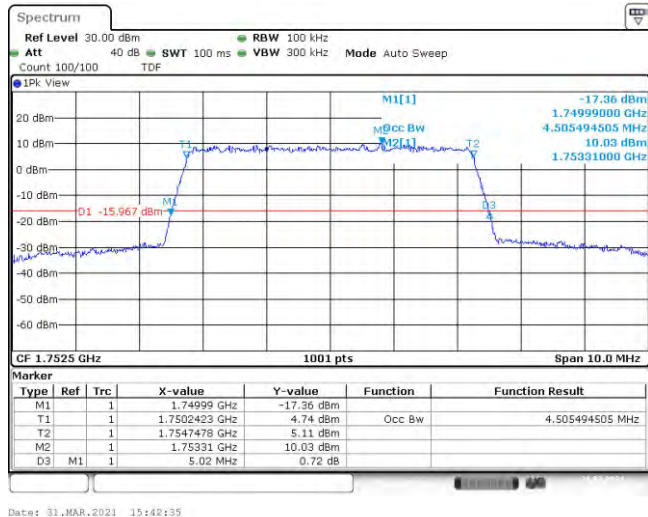


### Band4-5MHz-QPSK-20175-25RB#0-4.505

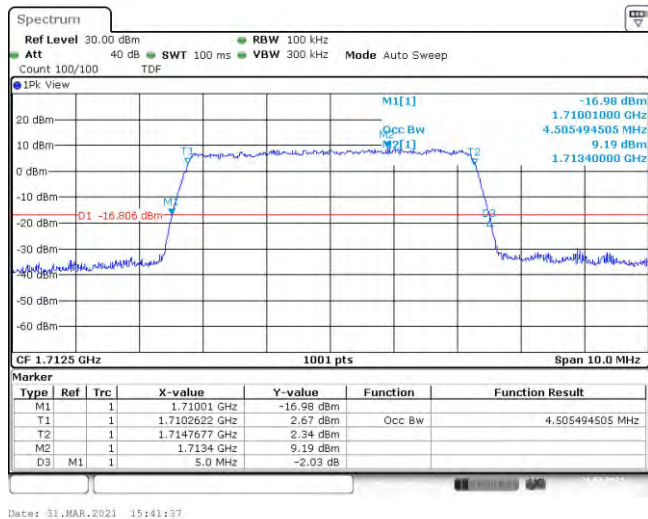


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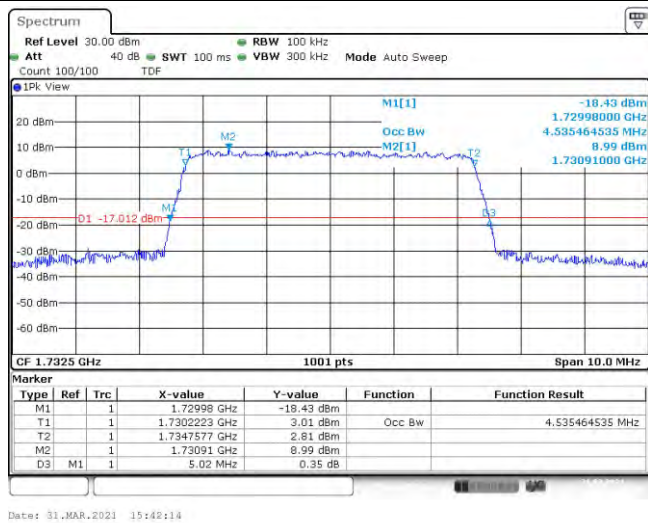




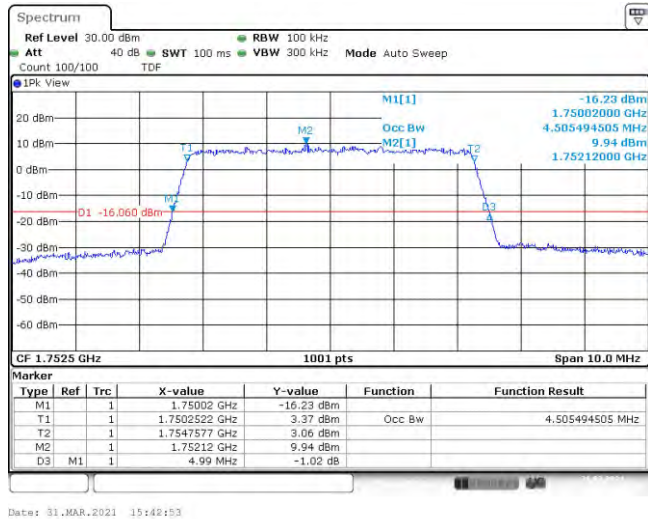
Band4-5MHz-16QAM-19975-25RB#0-4.505



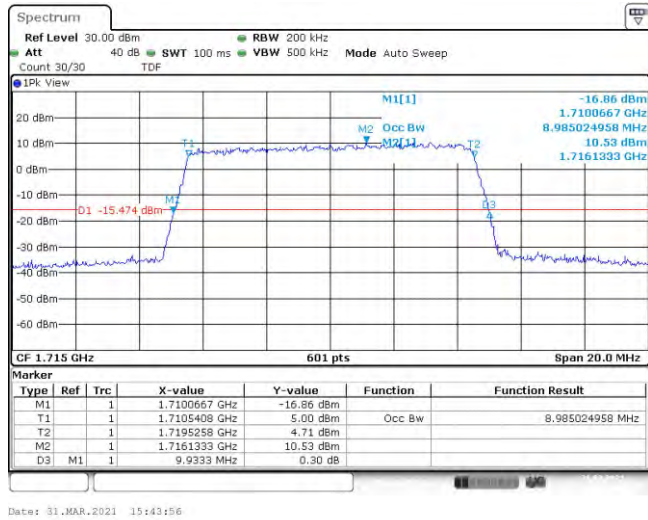
Band4-5MHz-16QAM-20175-25RB#0-4.535



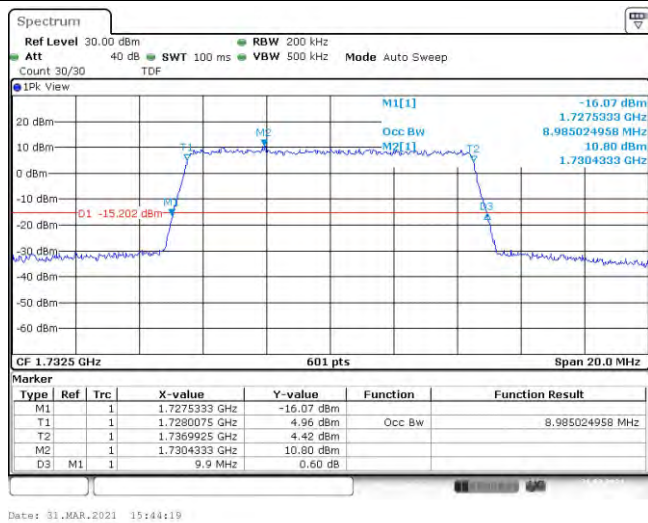
Band4-5MHz-16QAM-20375-25RB#0-4.505



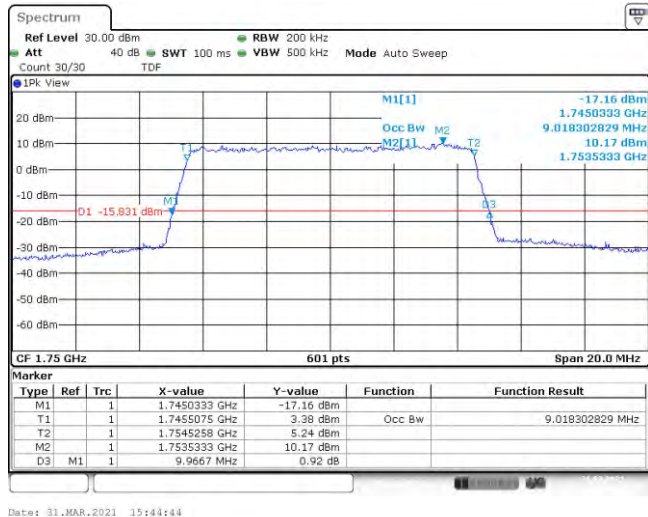
Band4-10MHz-QPSK-20000-50RB#0-8.985



Band4-10MHz-QPSK-20175-50RB#0-8.985

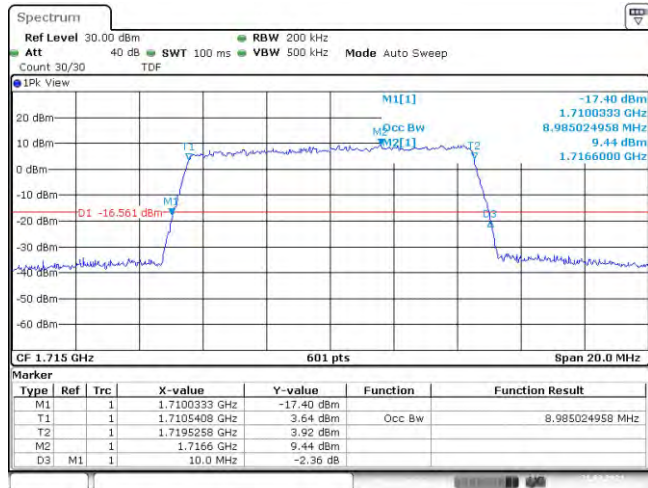


Band4-10MHz-QPSK-20350-50RB#0-9.018



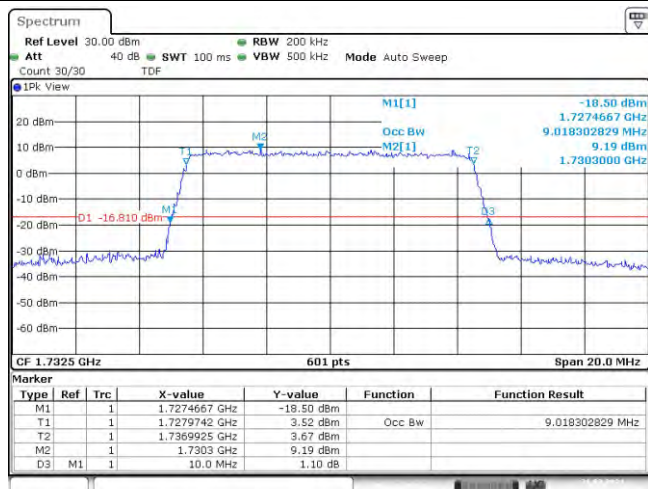
Date: 31.MAR.2021 15:44:44

### Band4-10MHz-16QAM-2000-50RB#0-8.985



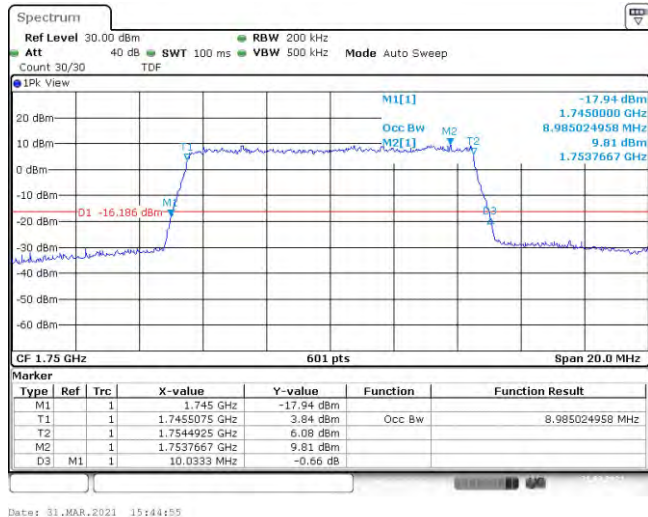
Date: 31.MAR.2021 15:44:07

### Band4-10MHz-16QAM-20175-50RB#0-9.018

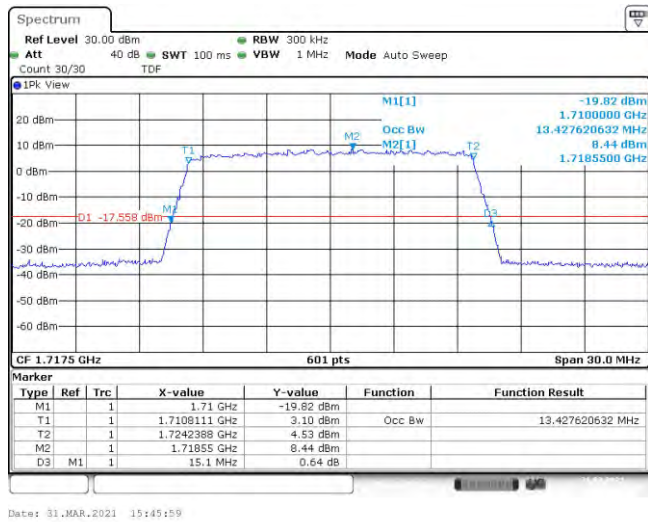


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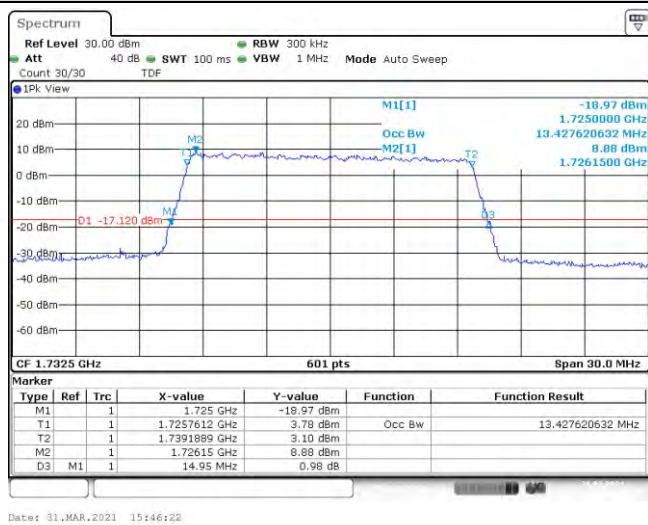
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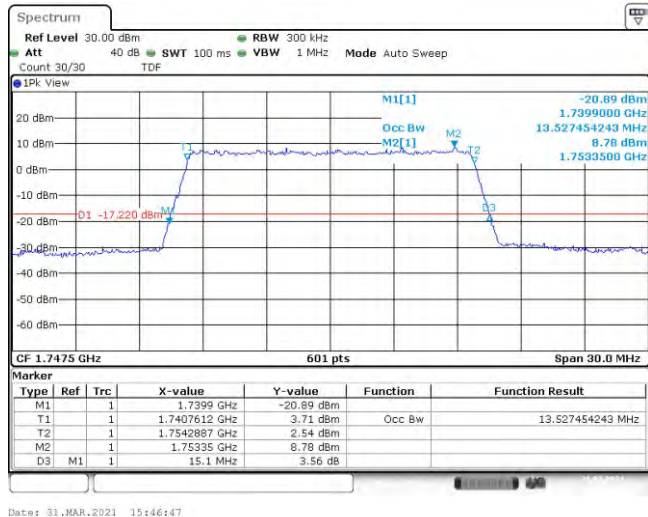
### Band4-15MHz-QPSK-20025-75RB#0-13.428



### Band4-15MHz-QPSK-20175-75RB#0-13.428

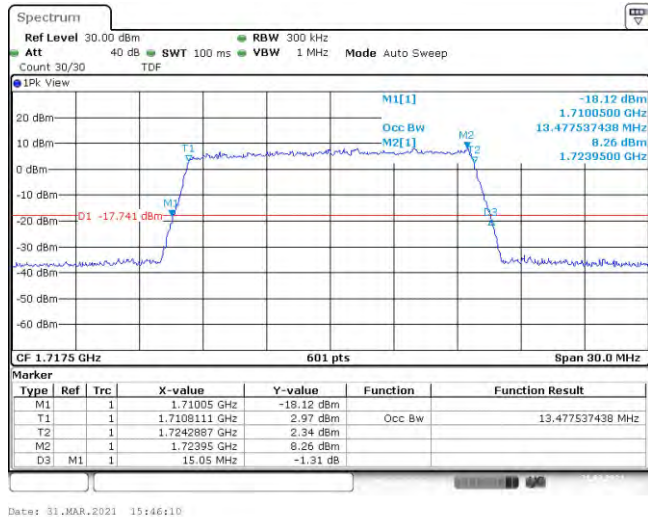


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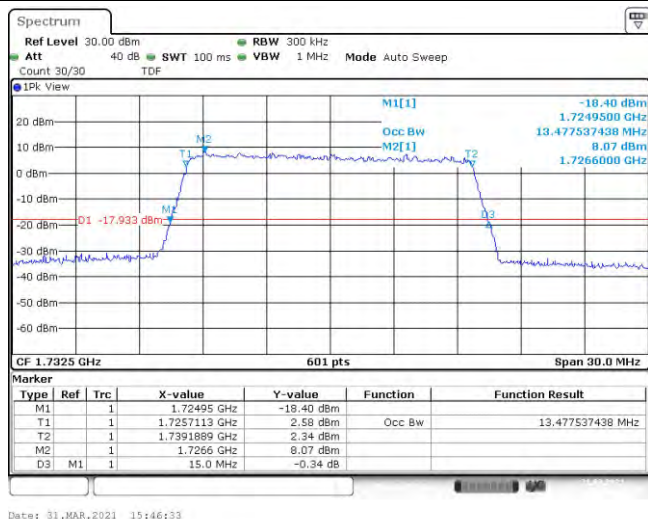
Date: 31.MAR.2021 15:46:47

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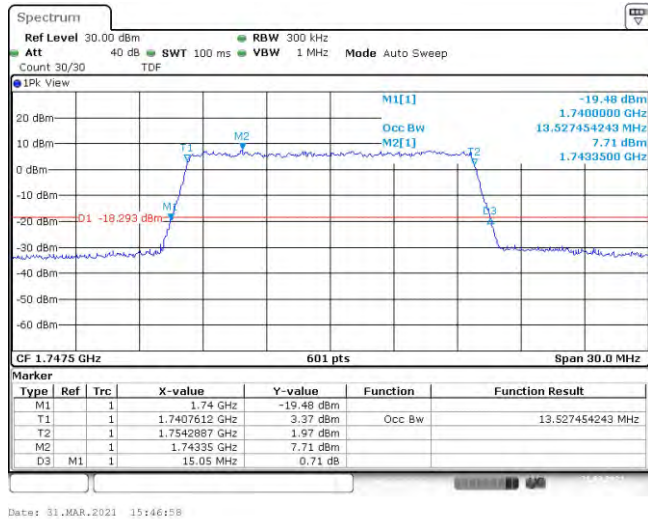
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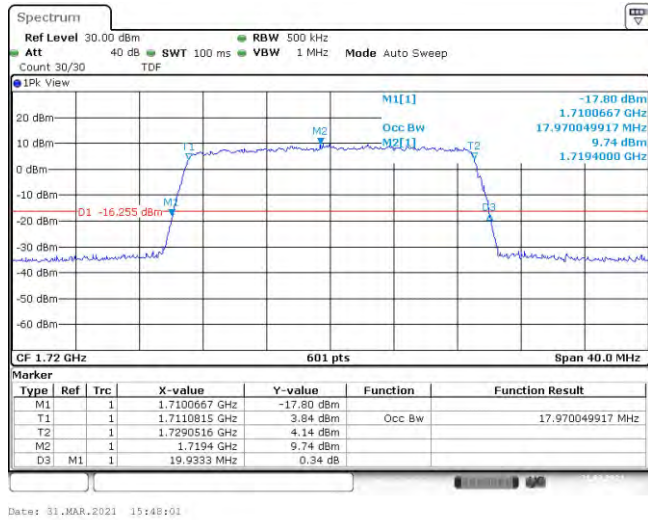


Date: 31.MAR.2021 15:46:33

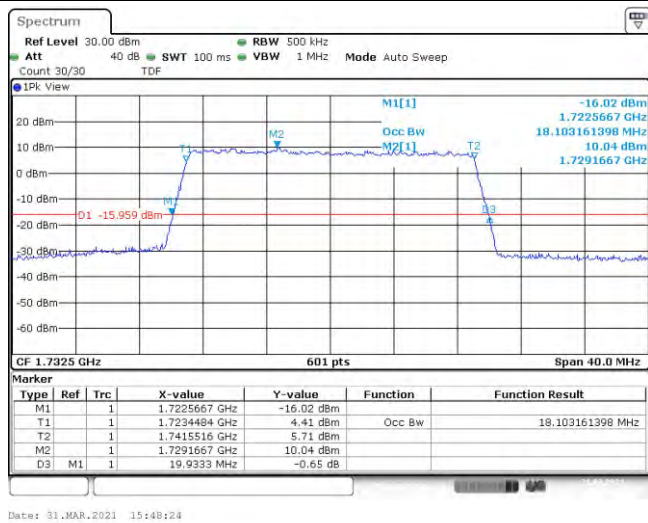
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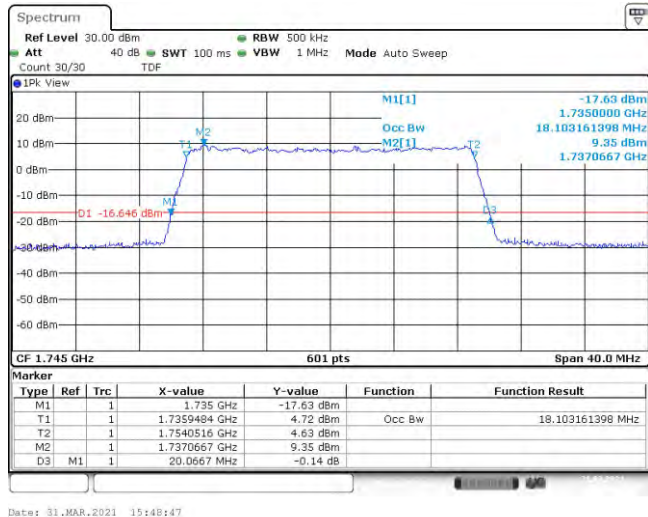
Band4-20MHz-QPSK-20050-100RB#0-17.97



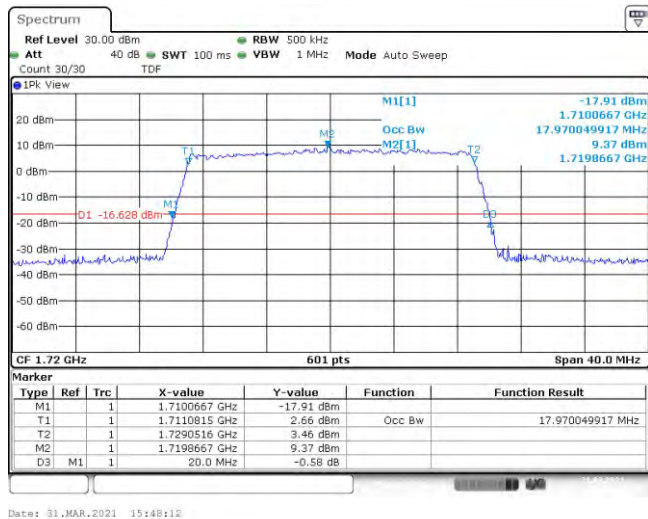
Band4-20MHz-QPSK-20175-100RB#0-18.103



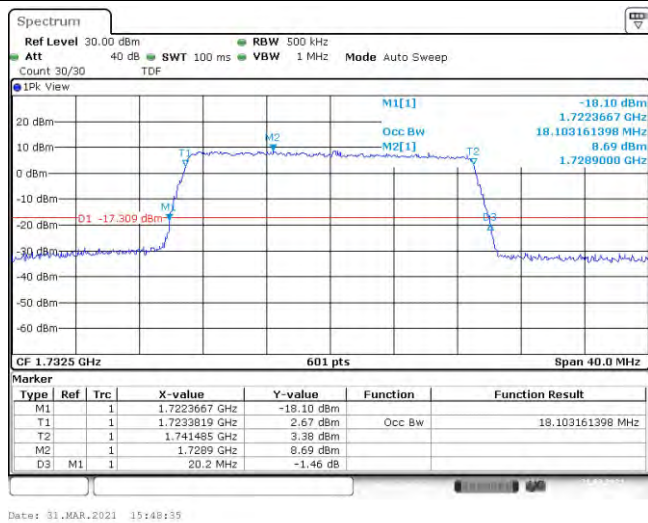
Band4-20MHz-QPSK-20300-100RB#0-18.103



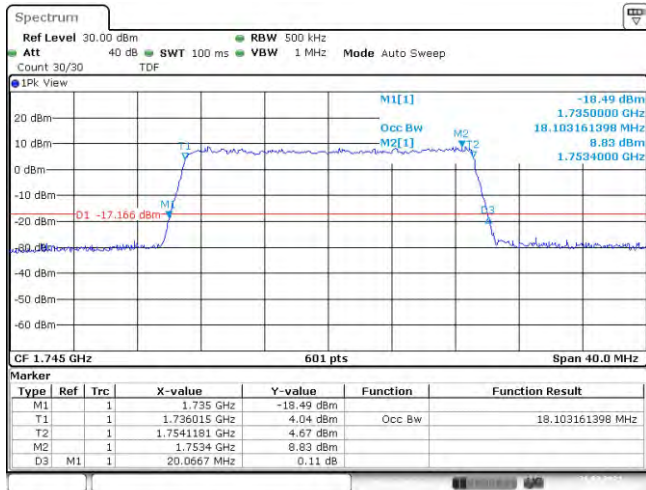
### Band4-20MHz-16QAM-20050-100RB#0-17.97



### Band4-20MHz-16QAM-20175-100RB#0-18.103



### Band4-20MHz-16QAM-20300-100RB#0-18.103



Date: 31.MAR.2021 15:48:58



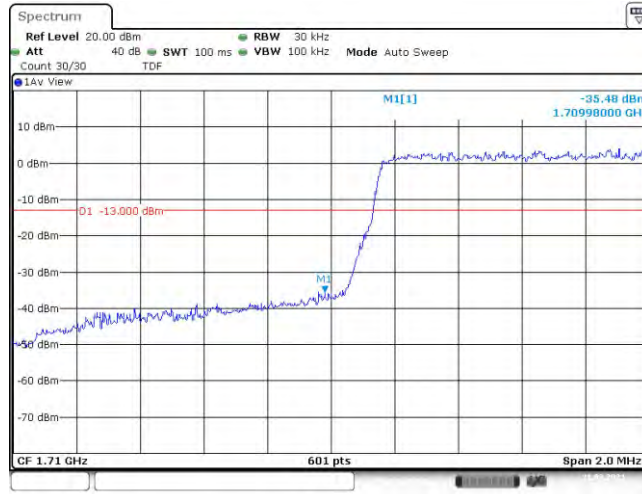
## Appendix C: Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-35.48	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-34.08	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-37.60	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-35.57	PASS
Band4	3MHz	QPSK	19965	15RB#0	-29.59	PASS
Band4	3MHz	QPSK	20385	15RB#0	-27.92	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.06	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.85	PASS
Band4	5MHz	QPSK	19975	25RB#0	-33.97	PASS
Band4	5MHz	QPSK	20375	25RB#0	-32.74	PASS
Band4	5MHz	16QAM	19975	25RB#0	-36.64	PASS
Band4	5MHz	16QAM	20375	25RB#0	-33.86	PASS
Band4	10MHz	QPSK	20000	50RB#0	-39.74	PASS
Band4	10MHz	QPSK	20350	50RB#0	-33.50	PASS
Band4	10MHz	16QAM	20000	50RB#0	-41.19	PASS
Band4	10MHz	16QAM	20350	50RB#0	-35.11	PASS
Band4	15MHz	QPSK	20025	75RB#0	-40.81	PASS
Band4	15MHz	QPSK	20325	75RB#0	-34.35	PASS
Band4	15MHz	16QAM	20025	75RB#0	-41.63	PASS
Band4	15MHz	16QAM	20325	75RB#0	-36.27	PASS
Band4	20MHz	QPSK	20050	100RB#0	-40.72	PASS
Band4	20MHz	QPSK	20300	100RB#0	-33.30	PASS
Band4	20MHz	16QAM	20050	100RB#0	-41.42	PASS
Band4	20MHz	16QAM	20300	100RB#0	-34.80	PASS

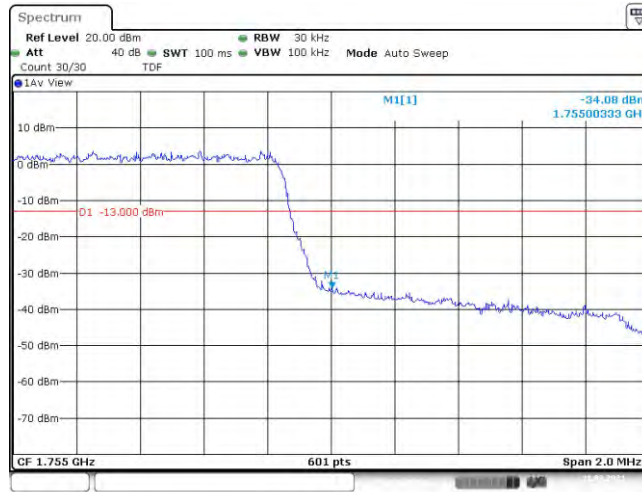
# Test Graphs

## Band4-1.4MHz-QPSK-19957-6RB#0



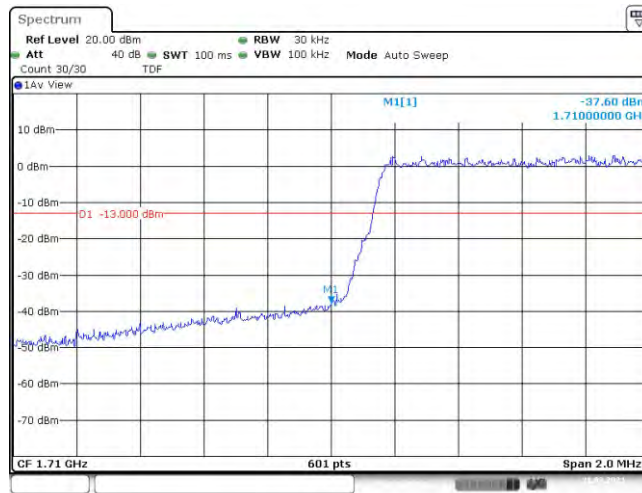
Date: 31.MAR.2021 15:38:26

## Band4-1.4MHz-QPSK-20393-6RB#0



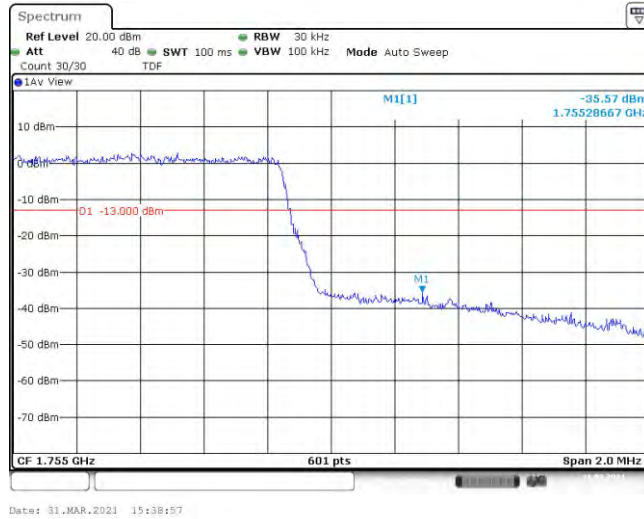
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## Band4-1.4MHz-16QAM-19957-6RB#0

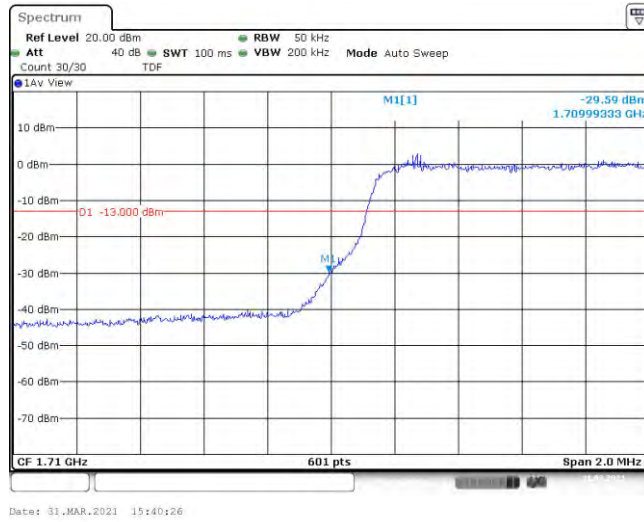


Date: 31.MAR.2021 15:38:36

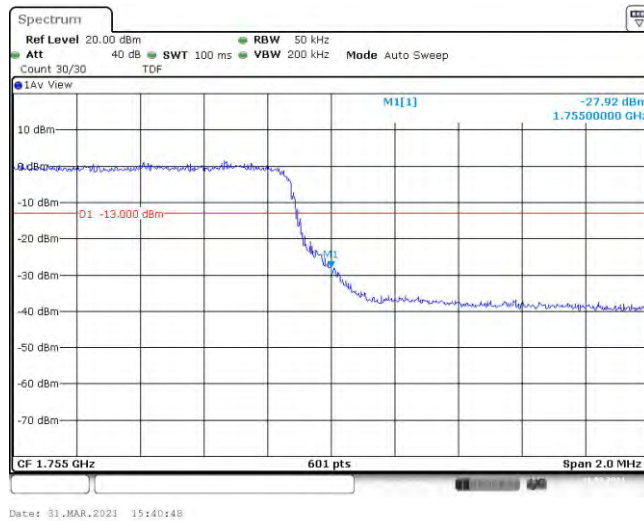
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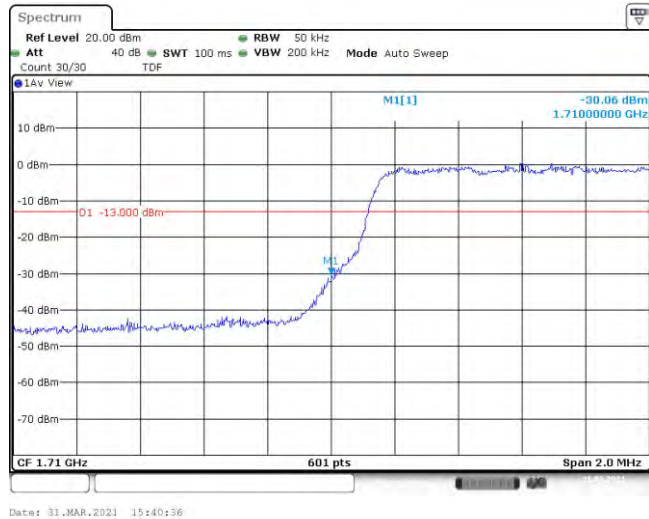
### Band4-3MHz-QPSK-19965-15RB#0



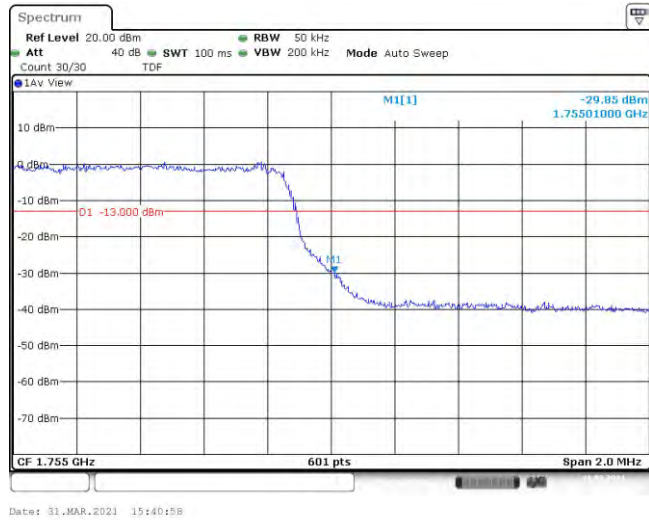
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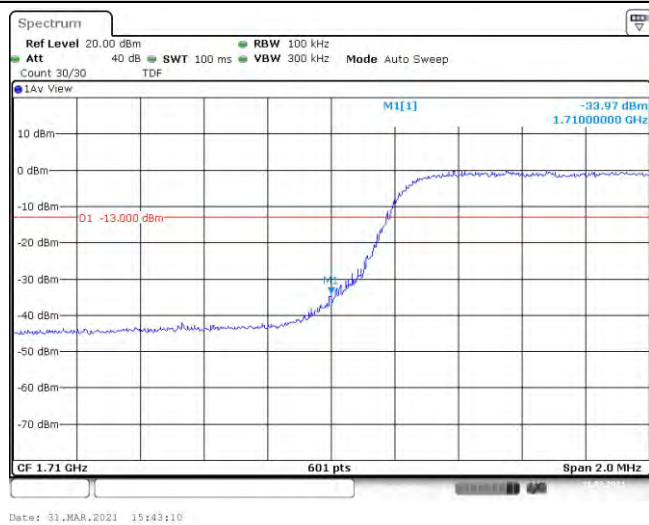
### Band4-3MHz-16QAM-19965-15RB#0



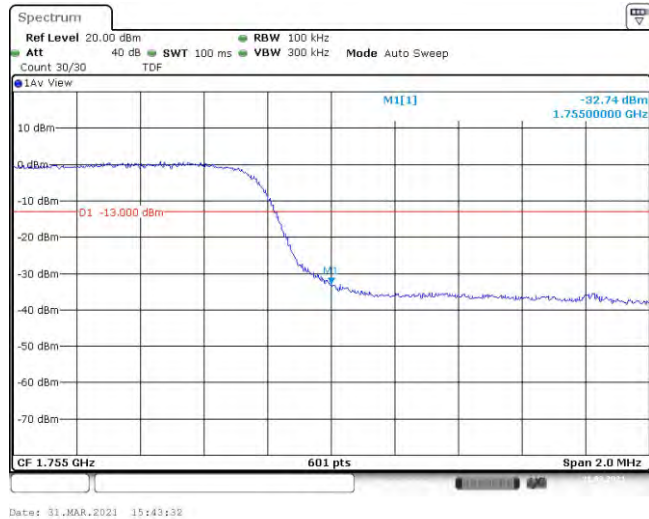
Band4-3MHz-16QAM-20385-15RB#0



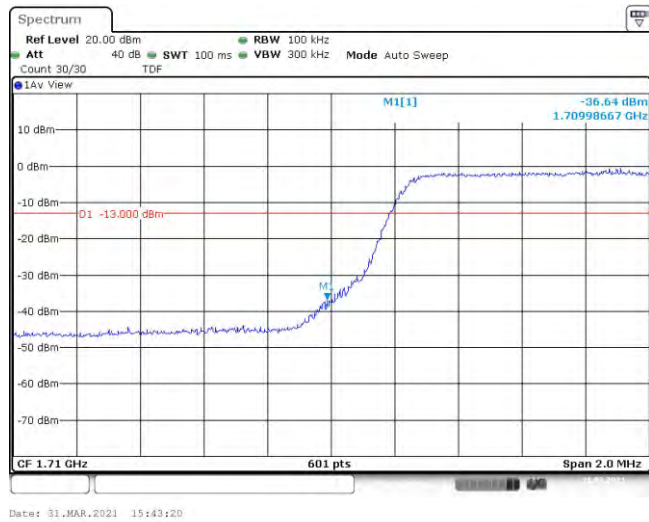
Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20375-25RB#0



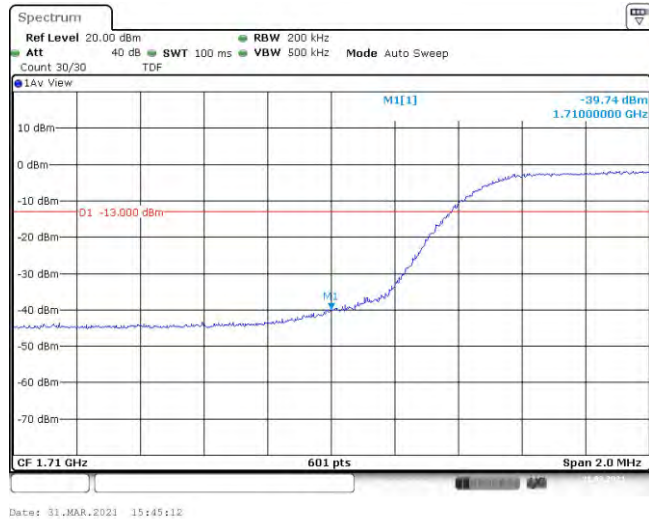
Band4-5MHz-16QAM-19975-25RB#0



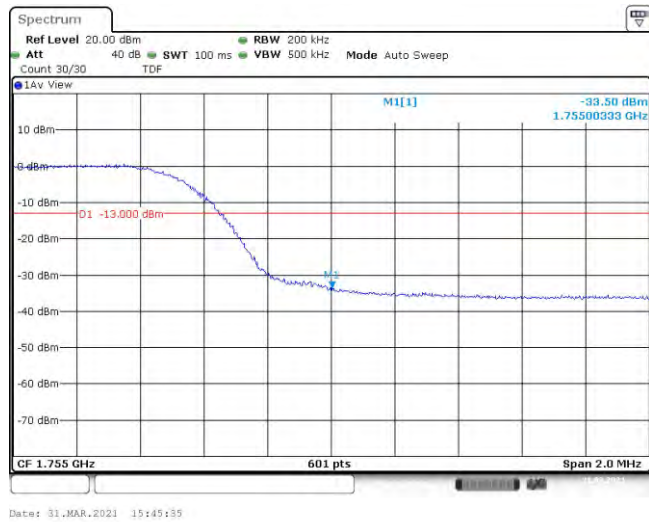
Band4-5MHz-16QAM-20375-25RB#0



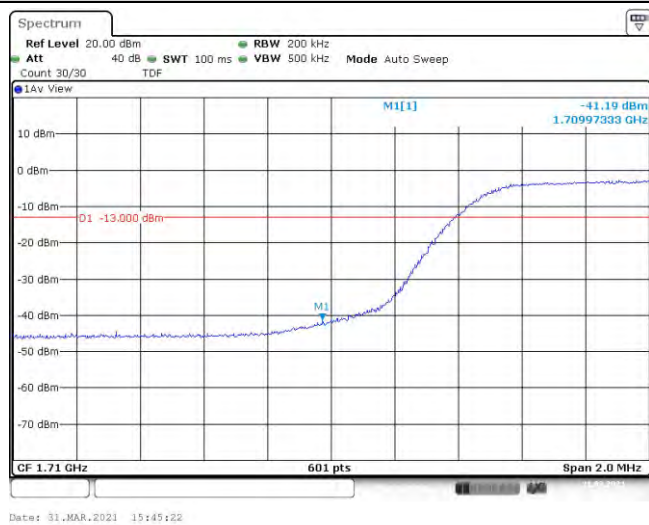
Band4-10MHz-QPSK-20000-50RB#0



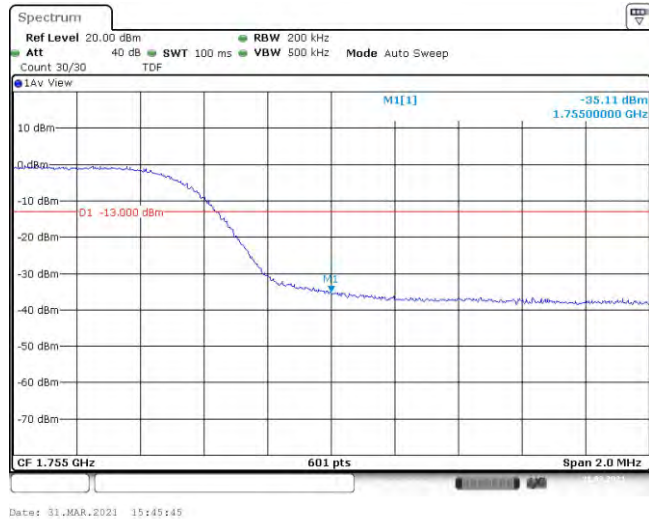
Band4-10MHz-QPSK-20350-50RB#0



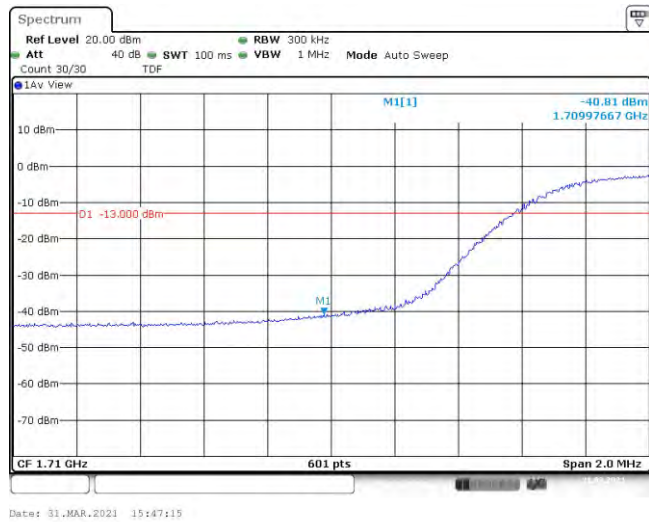
Band4-10MHz-16QAM-20000-50RB#0



Band4-10MHz-16QAM-20350-50RB#0



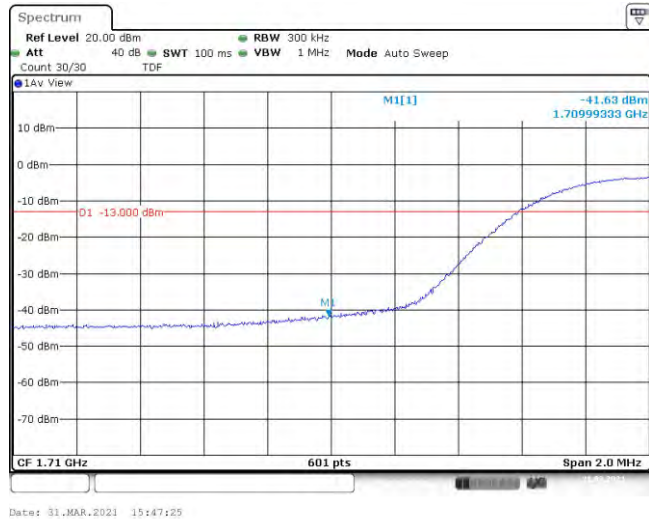
Band4-15MHz-QPSK-20025-75RB#0



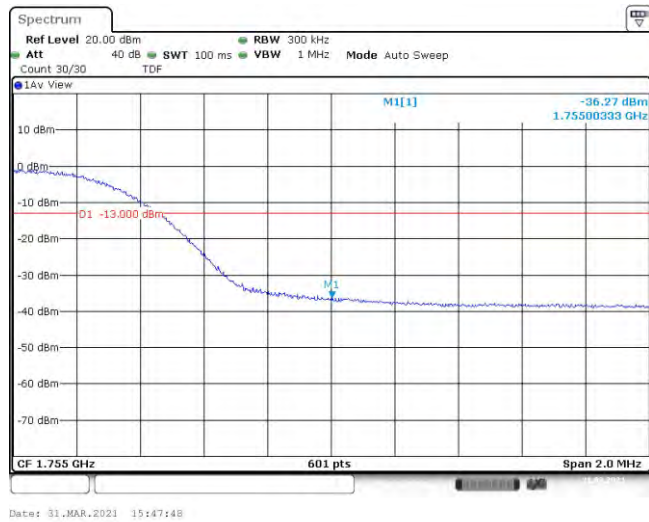
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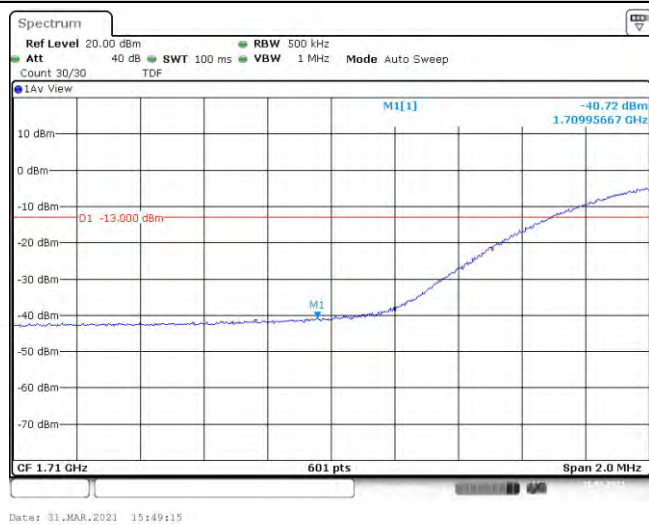
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Band4-15MHz-16QAM-20325-75RB#0

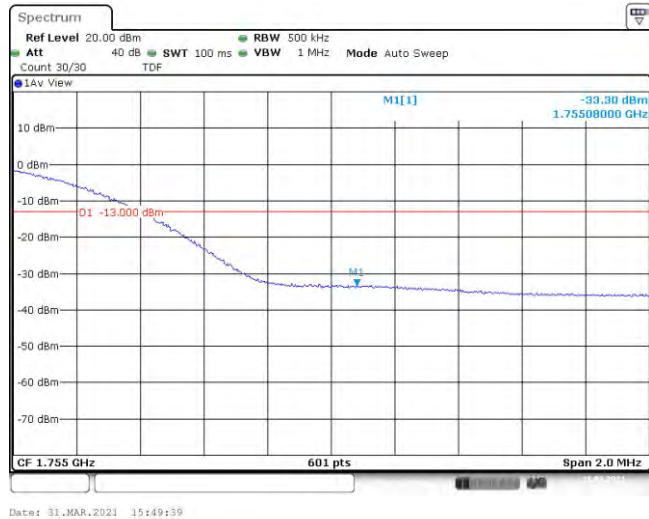


Band4-20MHz-QPSK-20050-100RB#0

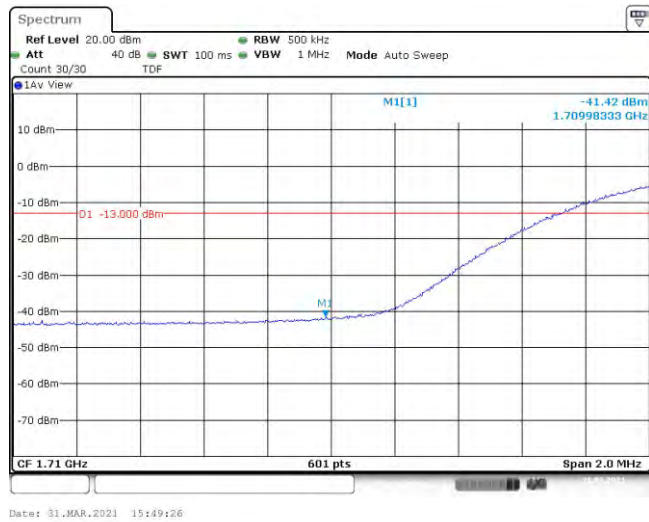


Band4-20MHz-QPSK-20300-100RB#0





**Band4-20MHz-16QAM-20050-100RB#0**



**Band4-20MHz-16QAM-20300-100RB#0**

