

Appendix for Band 5 and Band 26

FCC ID: 2AC88-ELTP18A04

IC: 24230-ELTP18A04

Model: ELTP18A04

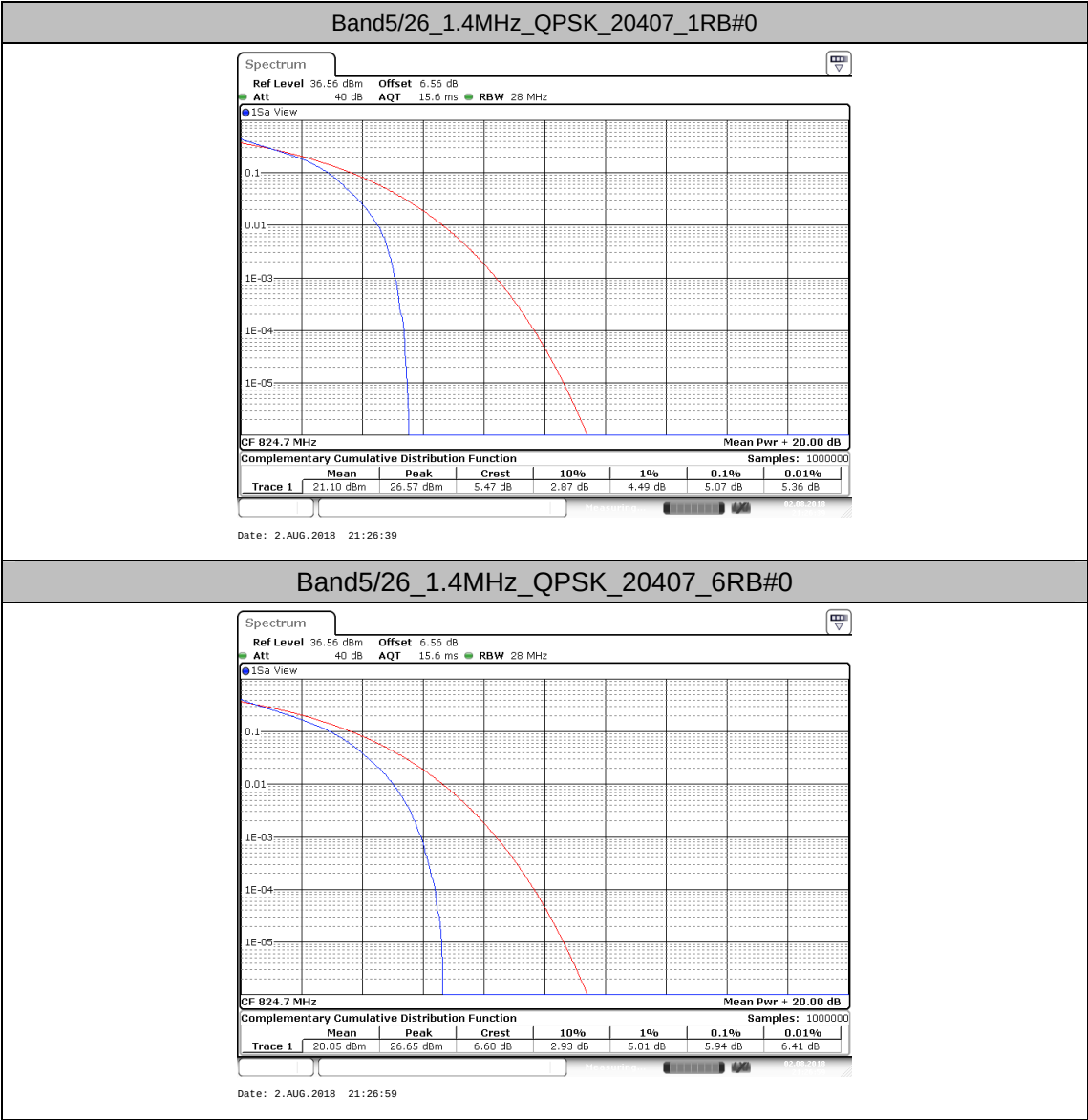
Appendix A: Peak-to-Average Ratio(CCDF)

Test Result

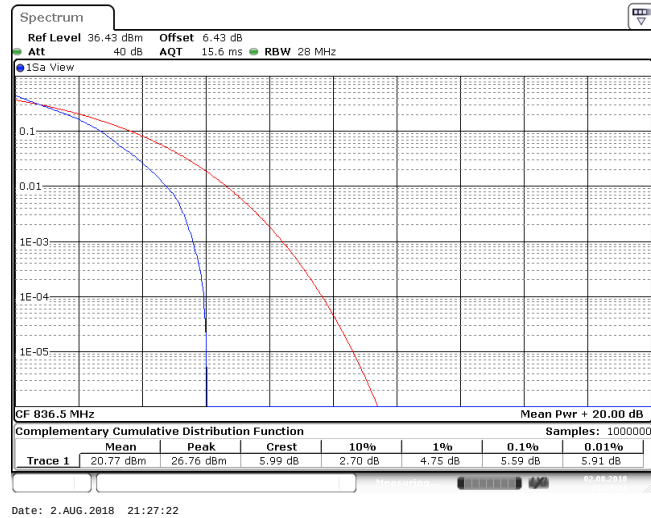
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5/26	1.4MHz	QPSK	20407	1RB#0	5.07	13	PASS
Band5/26	1.4MHz	QPSK	20407	6RB#0	5.94	13	PASS
Band5/26	1.4MHz	QPSK	20525	1RB#0	5.59	13	PASS
Band5/26	1.4MHz	QPSK	20525	6RB#0	5.91	13	PASS
Band5/26	1.4MHz	QPSK	20643	1RB#0	4.78	13	PASS
Band5/26	1.4MHz	QPSK	20643	6RB#0	5.36	13	PASS
Band5/26	1.4MHz	16QAM	20407	1RB#0	5.07	13	PASS
Band5/26	1.4MHz	16QAM	20407	6RB#0	6.93	13	PASS
Band5/26	1.4MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5/26	1.4MHz	16QAM	20525	6RB#0	6.78	13	PASS
Band5/26	1.4MHz	16QAM	20643	1RB#0	5.01	13	PASS
Band5/26	1.4MHz	16QAM	20643	6RB#0	6.32	13	PASS
Band5/26	3MHz	QPSK	20415	1RB#0	4.84	13	PASS
Band5/26	3MHz	QPSK	20415	15RB#0	6.14	13	PASS
Band5/26	3MHz	QPSK	20525	1RB#0	5.74	13	PASS
Band5/26	3MHz	QPSK	20525	15RB#0	5.91	13	PASS
Band5/26	3MHz	QPSK	20635	1RB#0	5.33	13	PASS
Band5/26	3MHz	QPSK	20635	15RB#0	5.65	13	PASS
Band5/26	3MHz	16QAM	20415	1RB#0	4.99	13	PASS
Band5/26	3MHz	16QAM	20415	15RB#0	7.01	13	PASS
Band5/26	3MHz	16QAM	20525	1RB#0	6.12	13	PASS
Band5/26	3MHz	16QAM	20525	15RB#0	6.81	13	PASS
Band5/26	3MHz	16QAM	20635	1RB#0	5.59	13	PASS
Band5/26	3MHz	16QAM	20635	15RB#0	6.61	13	PASS
Band5/26	5MHz	QPSK	20425	1RB#0	5.39	13	PASS
Band5/26	5MHz	QPSK	20425	25RB#0	6.17	13	PASS
Band5/26	5MHz	QPSK	20525	1RB#0	6.23	13	PASS
Band5/26	5MHz	QPSK	20525	25RB#0	5.83	13	PASS
Band5/26	5MHz	QPSK	20625	1RB#0	5.83	13	PASS
Band5/26	5MHz	QPSK	20625	25RB#0	5.80	13	PASS
Band5/26	5MHz	16QAM	20425	1RB#0	6.17	13	PASS
Band5/26	5MHz	16QAM	20425	25RB#0	6.87	13	PASS
Band5/26	5MHz	16QAM	20525	1RB#0	7.10	13	PASS
Band5/26	5MHz	16QAM	20525	25RB#0	6.52	13	PASS
Band5/26	5MHz	16QAM	20625	1RB#0	6.67	13	PASS
Band5/26	5MHz	16QAM	20625	25RB#0	6.58	13	PASS

Band5/26	10MHz	QPSK	20450	1RB#0	5.19	13	PASS
Band5/26	10MHz	QPSK	20450	50RB#0	6.12	13	PASS
Band5/26	10MHz	QPSK	20525	1RB#0	6.12	13	PASS
Band5/26	10MHz	QPSK	20525	50RB#0	5.48	13	PASS
Band5/26	10MHz	QPSK	20600	1RB#0	5.04	13	PASS
Band5/26	10MHz	QPSK	20600	50RB#0	5.68	13	PASS
Band5/26	10MHz	16QAM	20450	1RB#0	5.59	13	PASS
Band5/26	10MHz	16QAM	20450	50RB#0	7.04	13	PASS
Band5/26	10MHz	16QAM	20525	1RB#0	6.81	13	PASS
Band5/26	10MHz	16QAM	20525	50RB#0	6.46	13	PASS
Band5/26	10MHz	16QAM	20600	1RB#0	5.48	13	PASS
Band5/26	10MHz	16QAM	20600	50RB#0	6.58	13	PASS

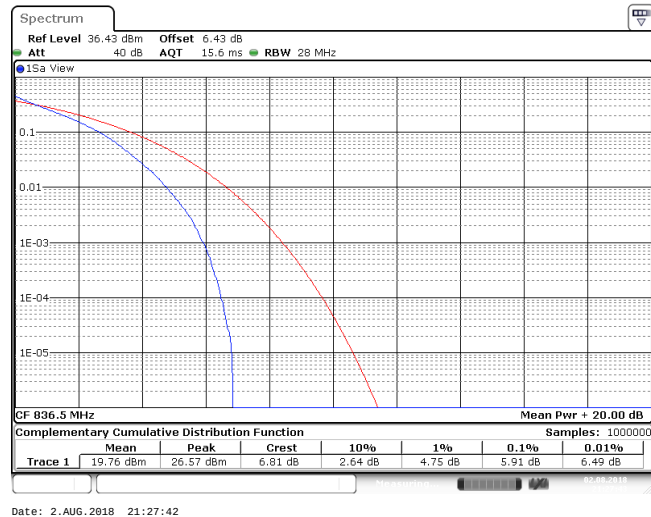
Test Graphs



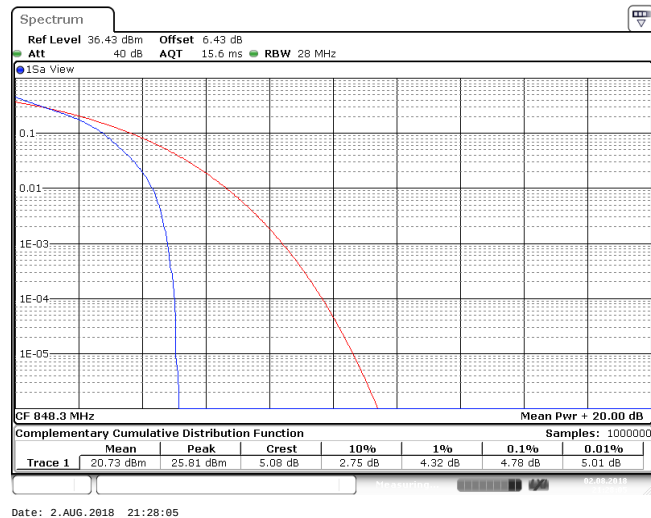
Band5/26_1.4MHz_QPSK_20525_1RB#0



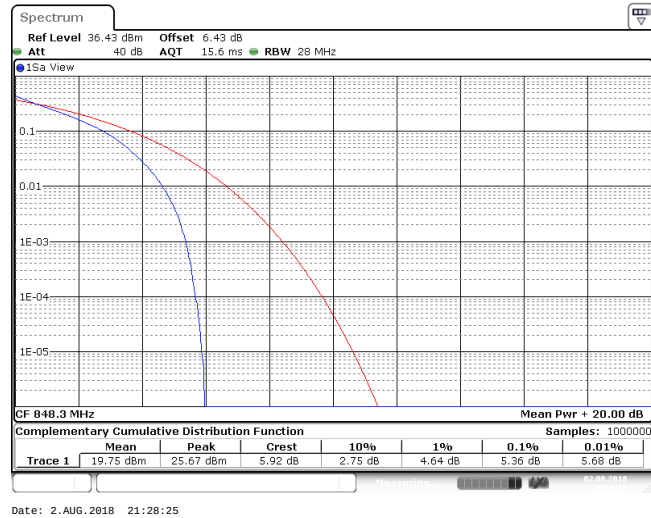
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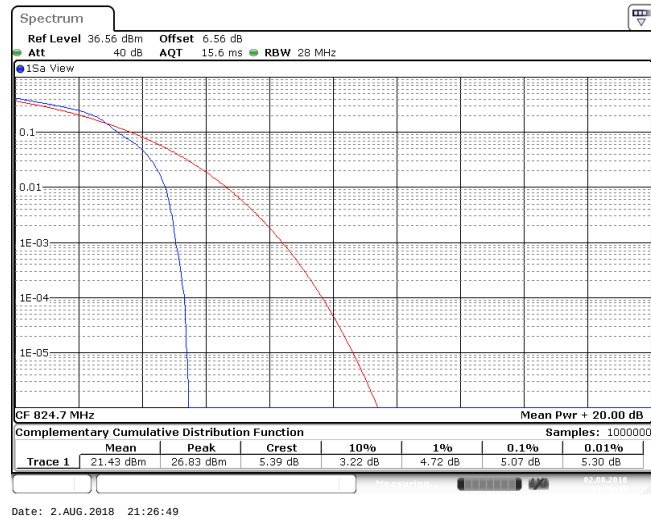
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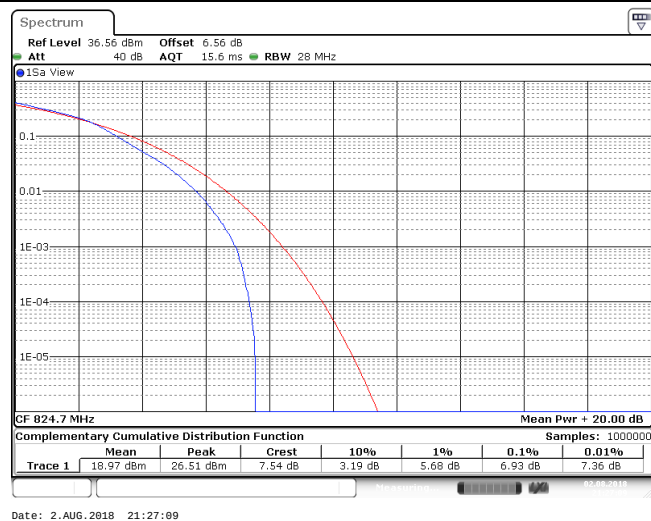
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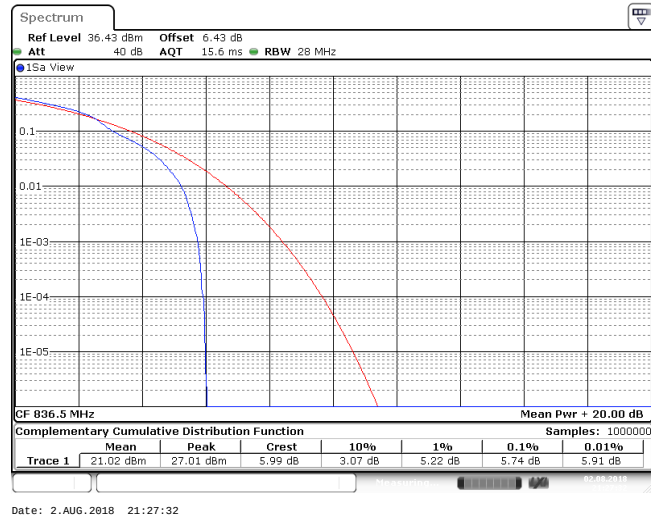
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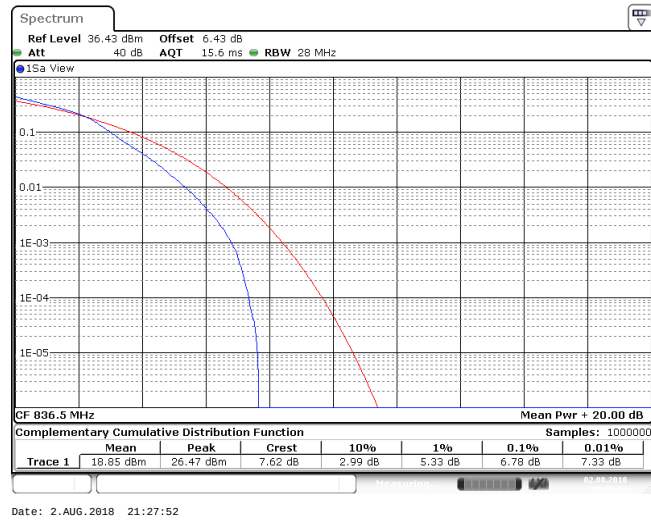
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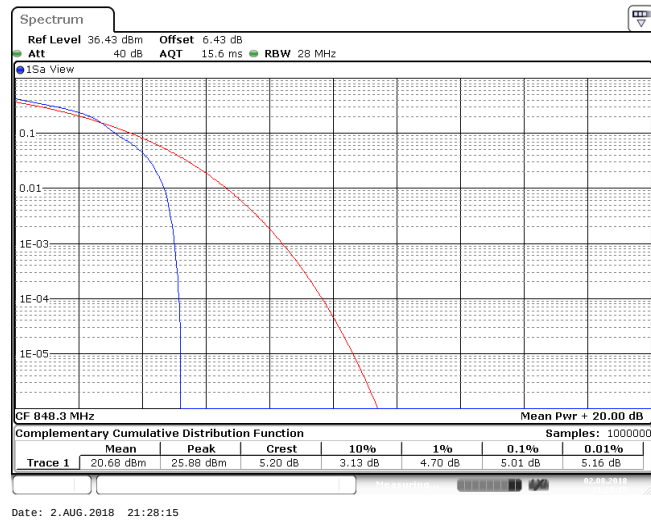
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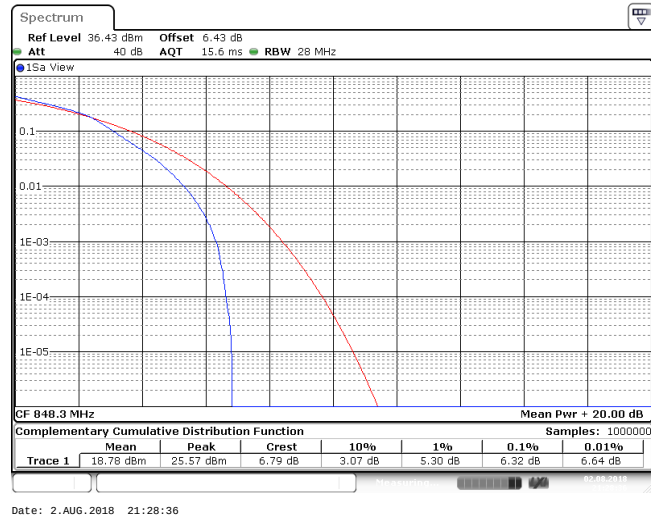
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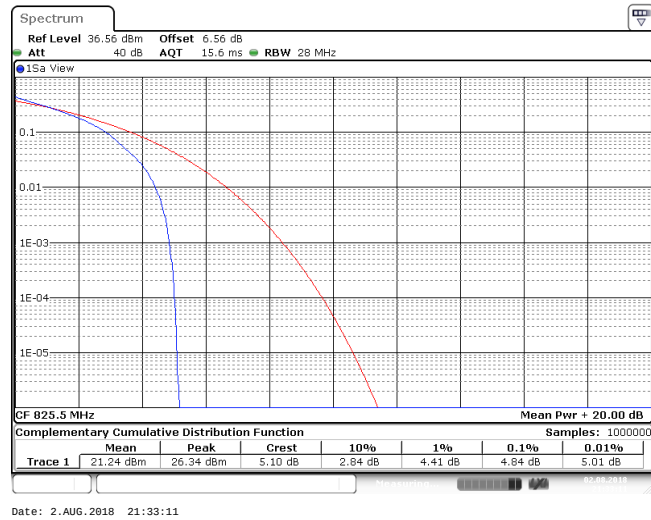
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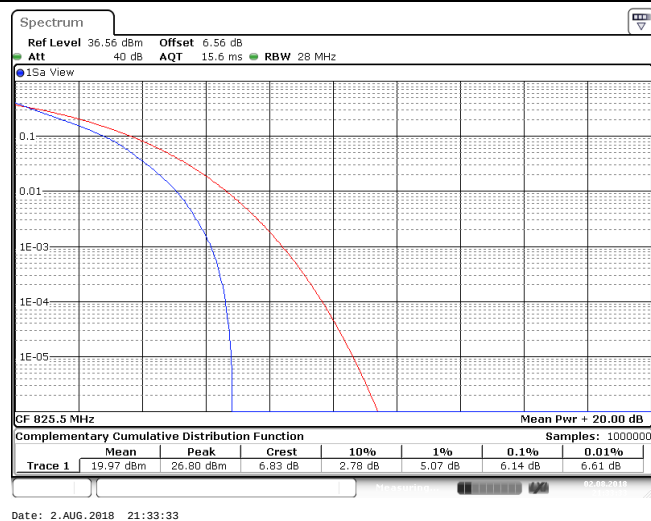
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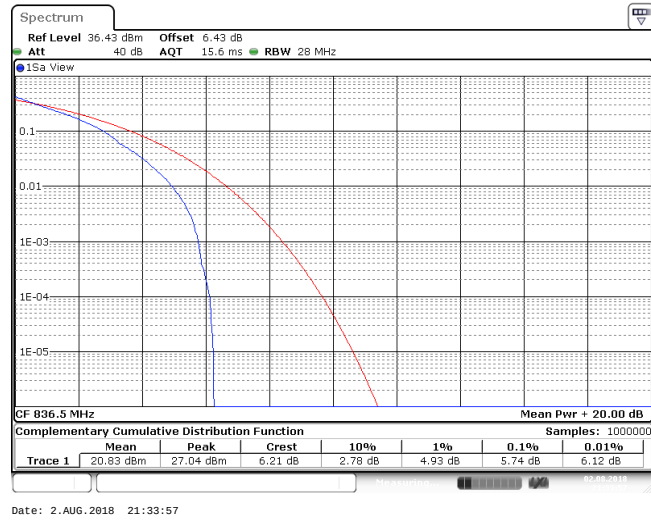
Band5/26_3MHz_QPSK_20415_1RB#0



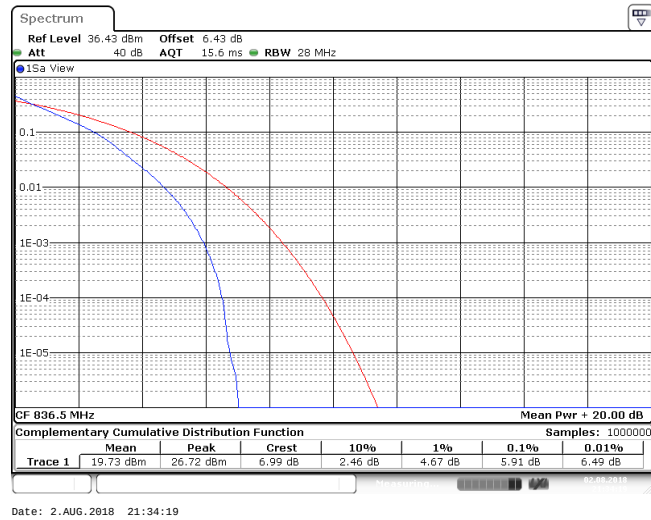
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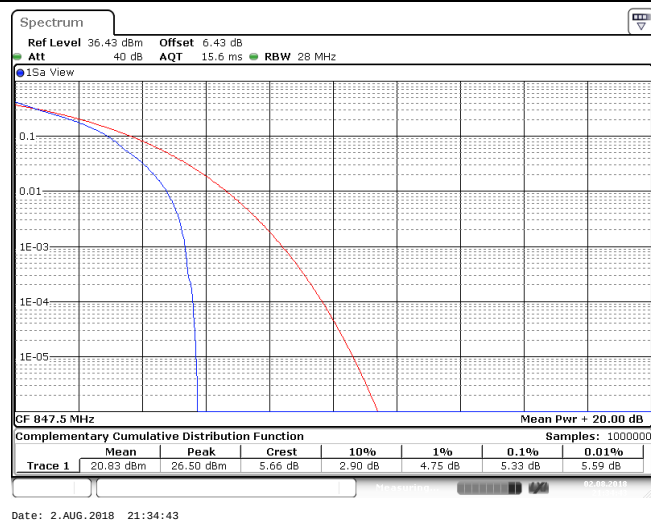
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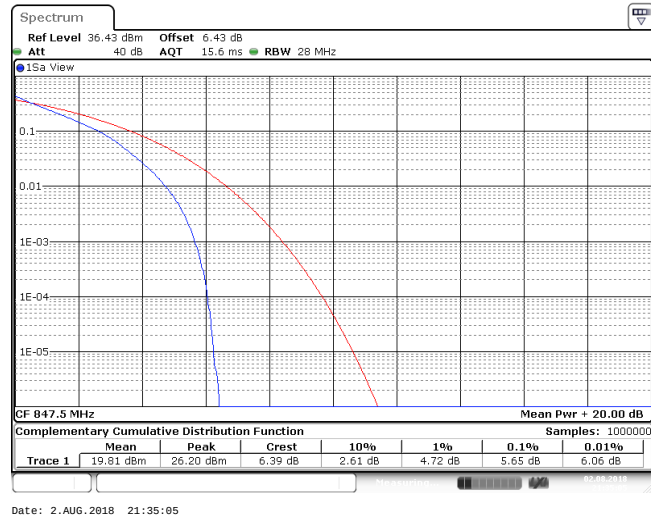
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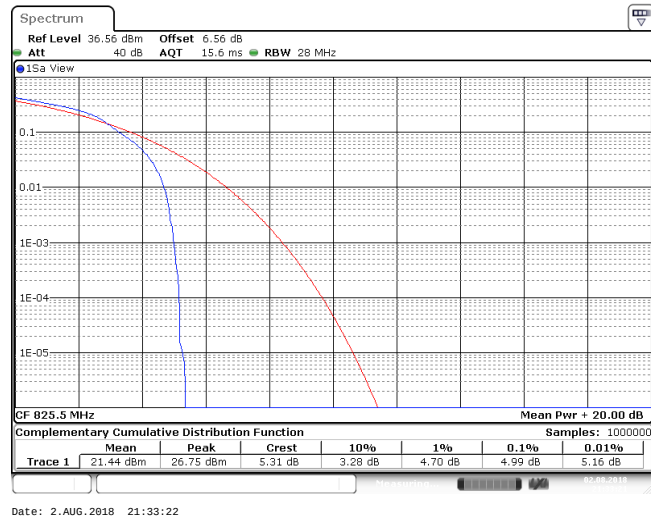
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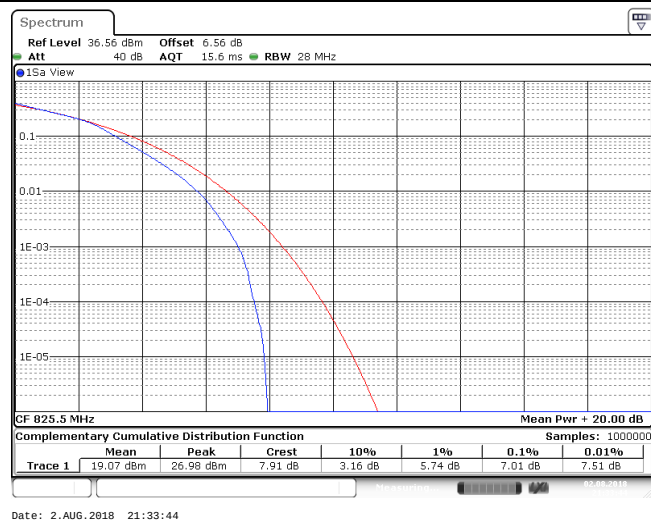
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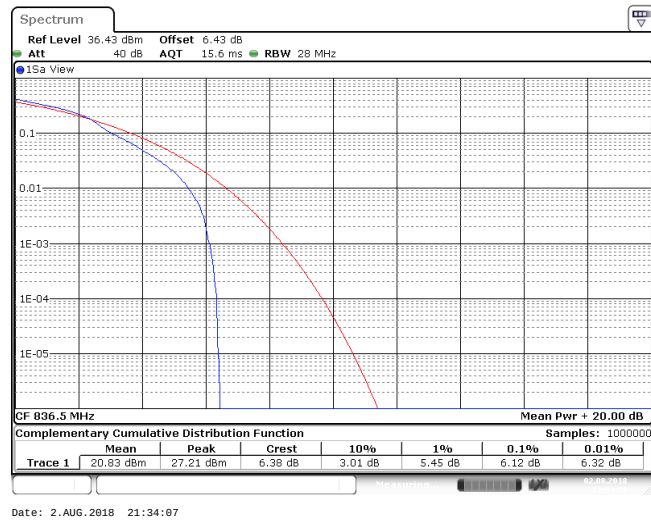
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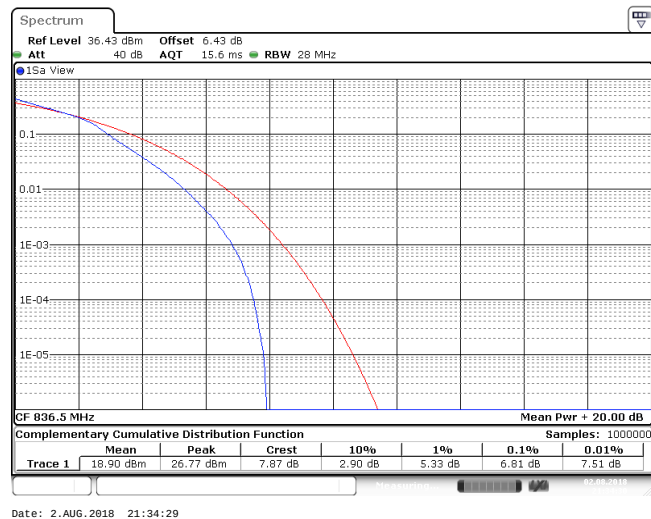
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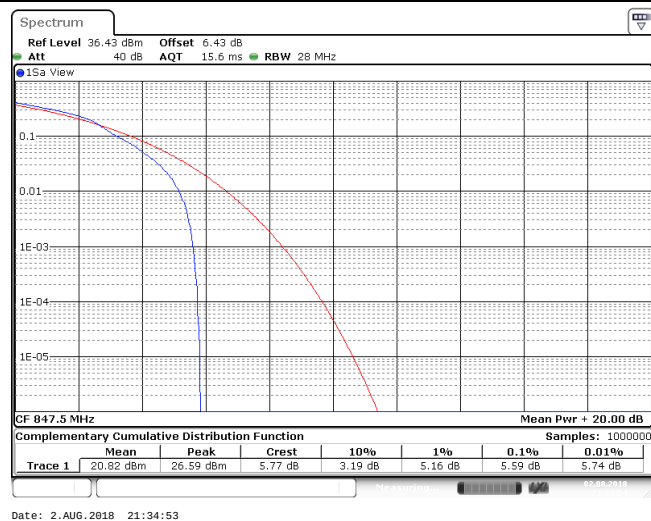
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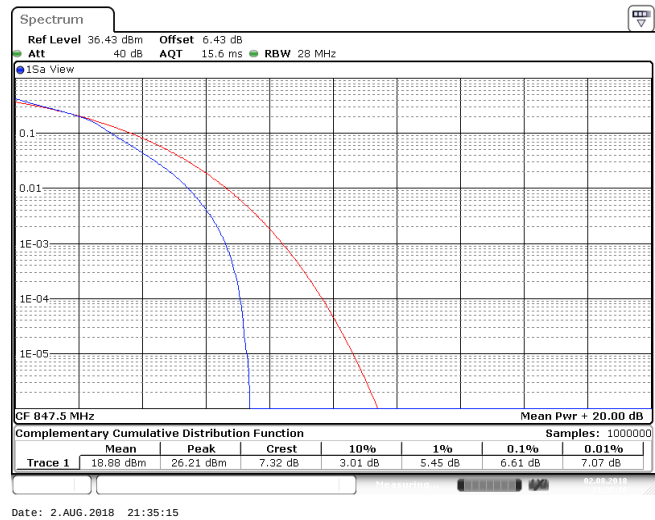
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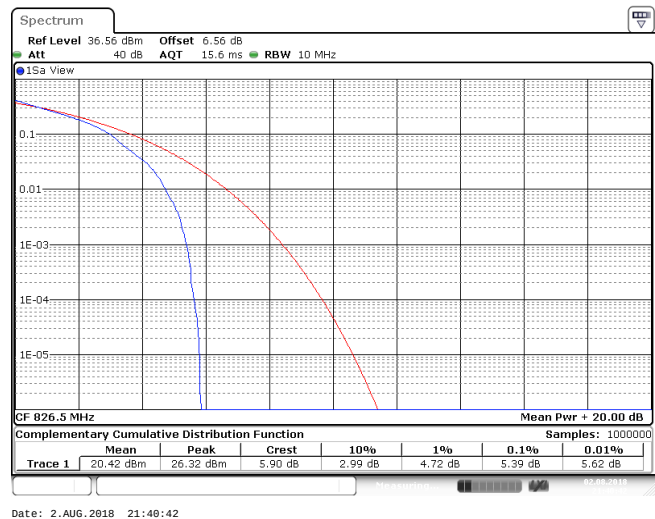
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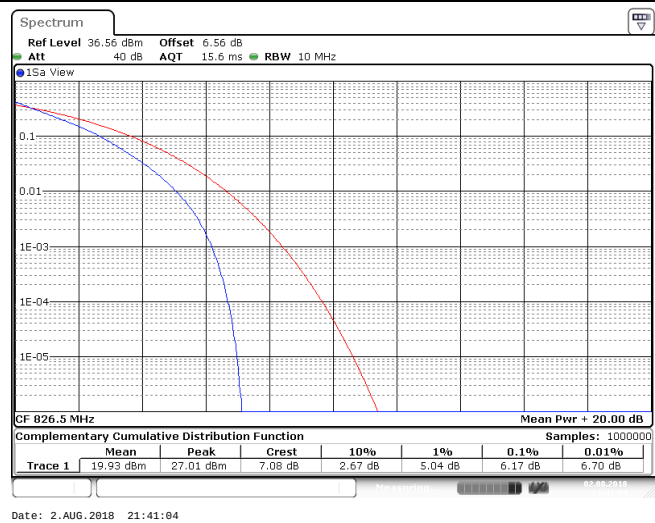
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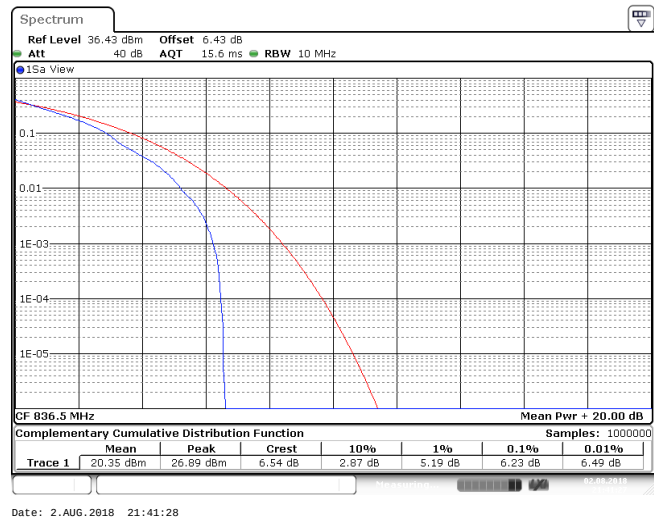
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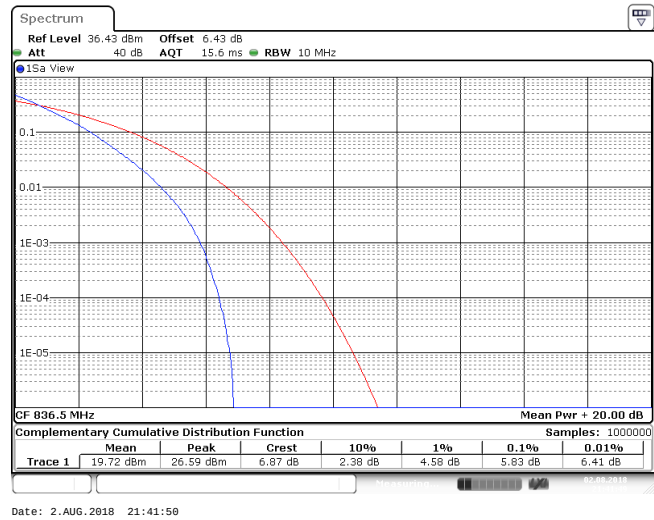
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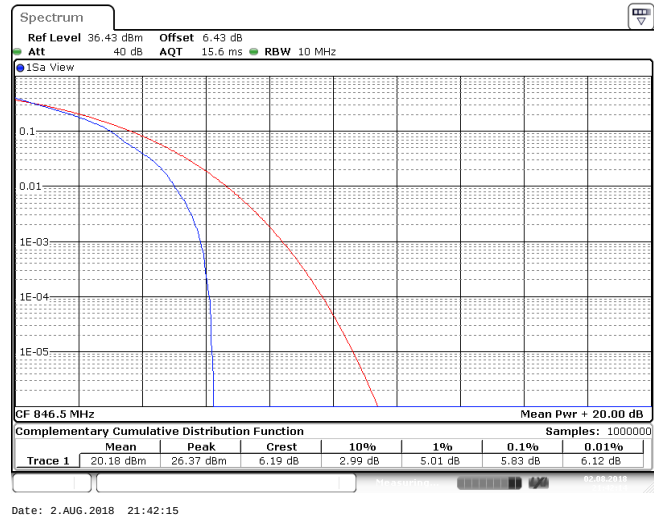
Band5/26_5MHz_QPSK_20525_1RB#0



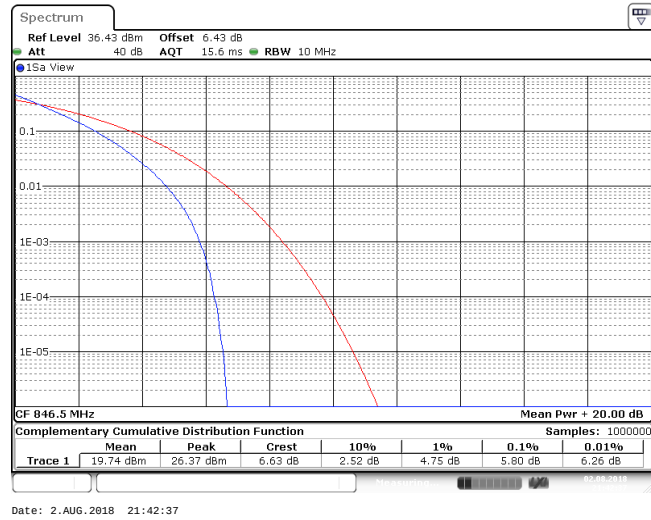
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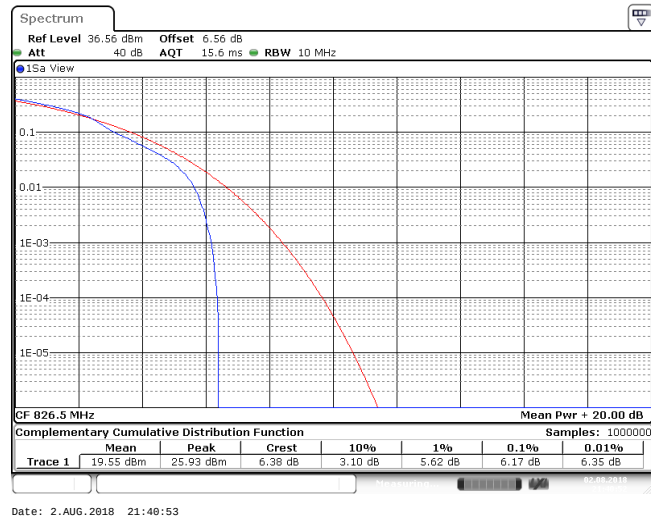
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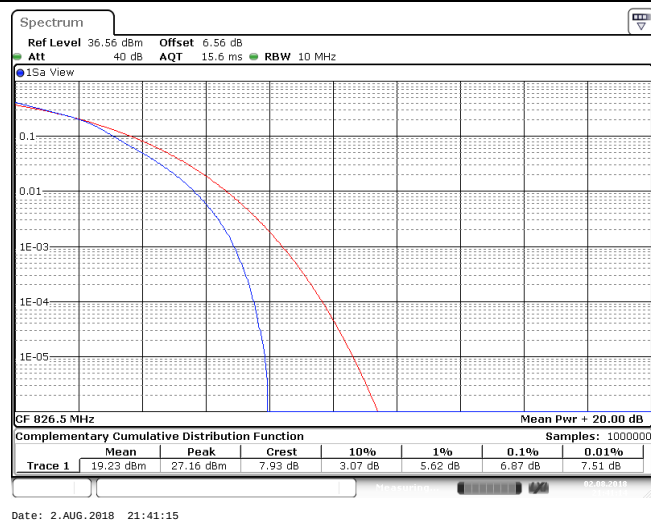
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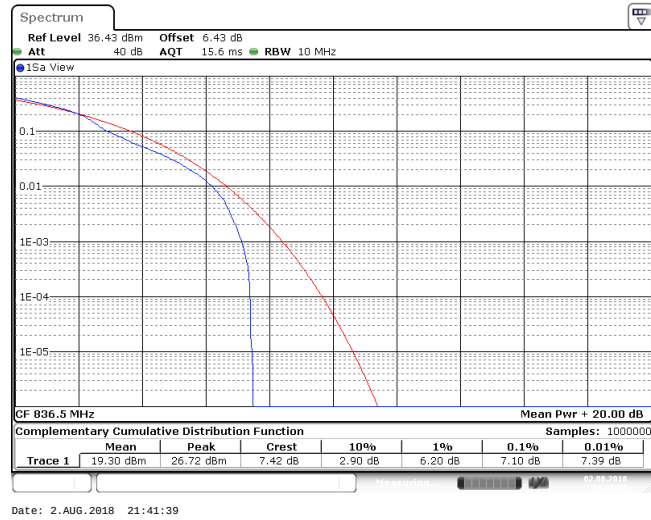
Band5/26_5MHz_16QAM_20425_1RB#0



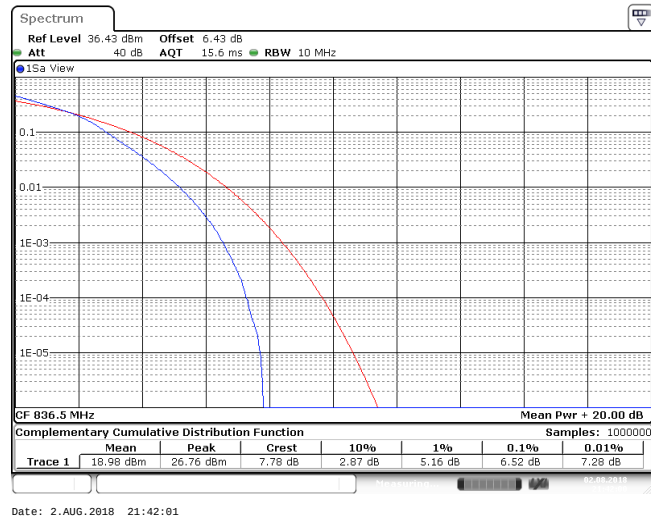
Band5/26_5MHz_16QAM_20425_25RB#0



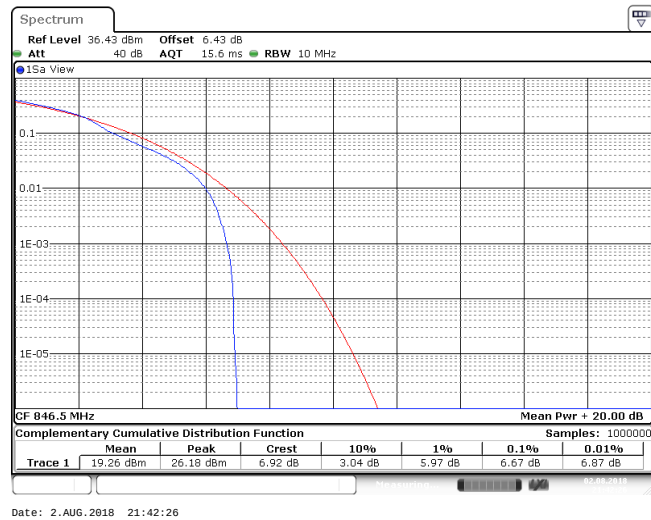
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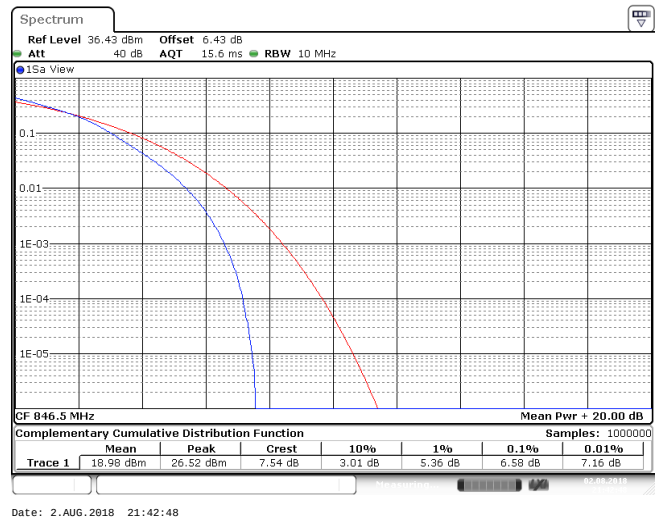
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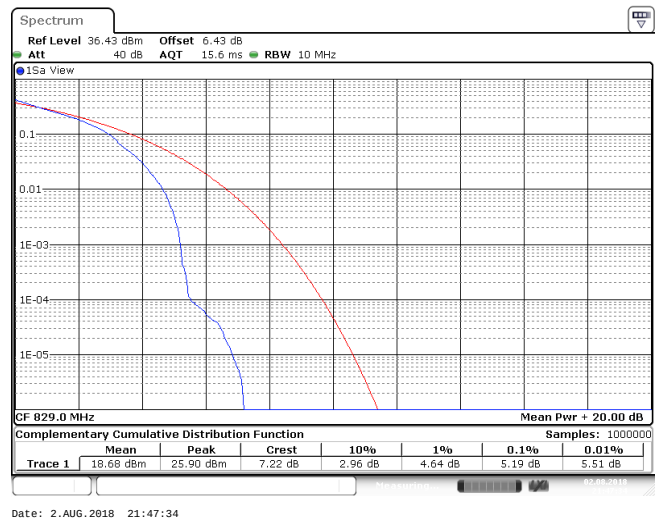
Band5/26_5MHz_16QAM_20625_1RB#0



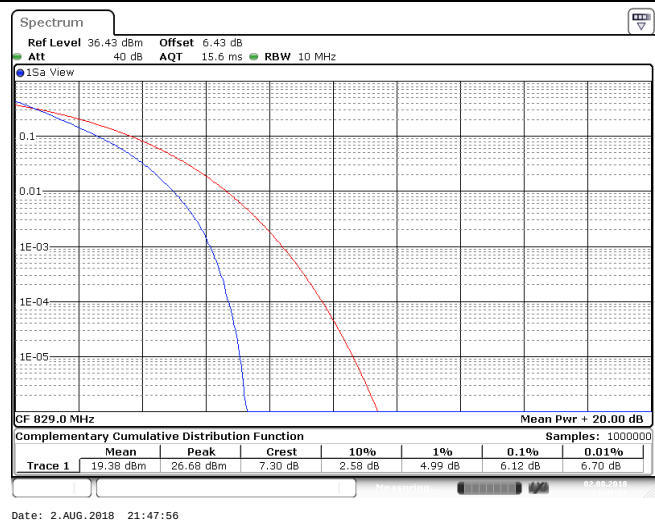
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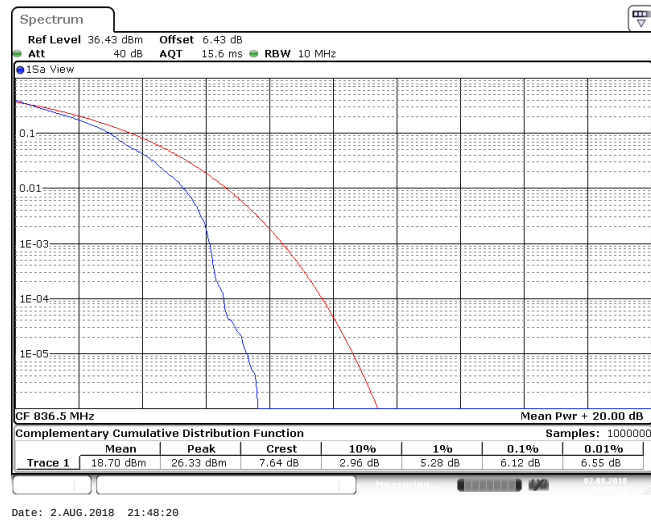
Band5/26_10MHz_QPSK_20450_1RB#0



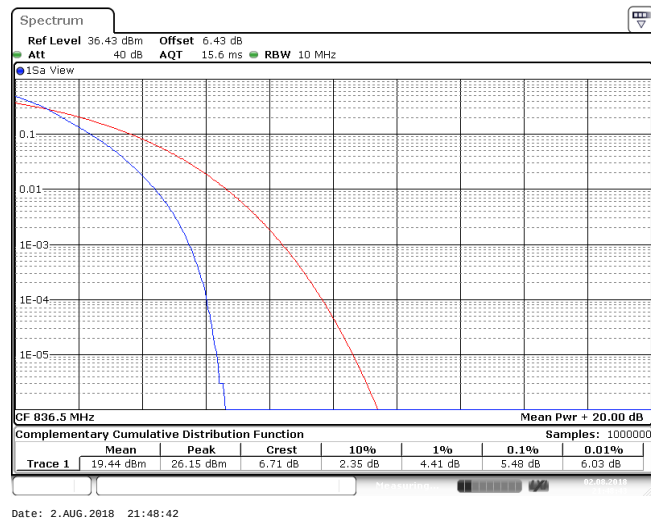
Band5/26_10MHz_QPSK_20450_50RB#0



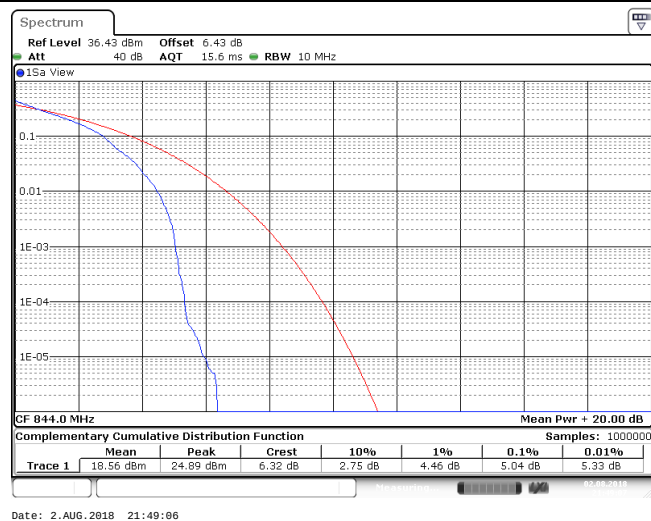
Band5/26_10MHz_QPSK_20525_1RB#0



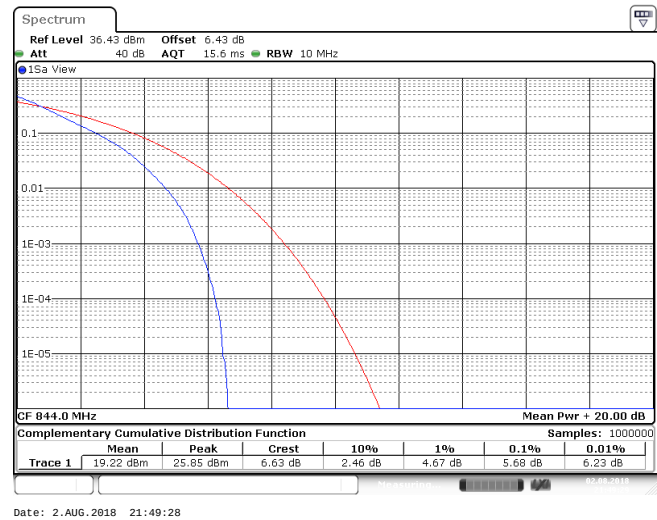
Band5/26_10MHz_QPSK_20525_50RB#0



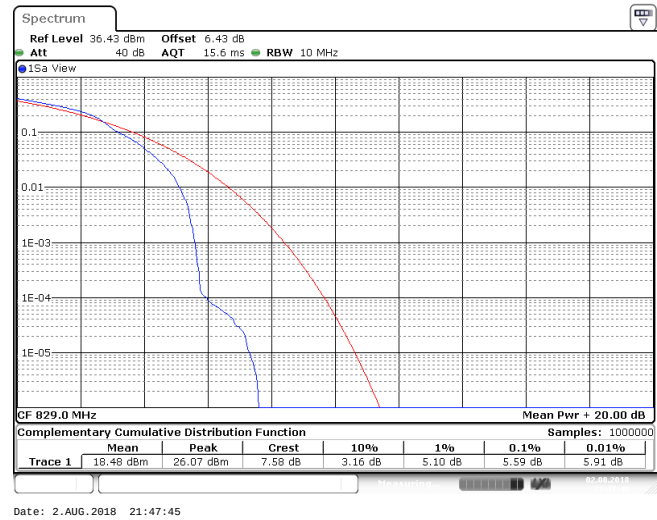
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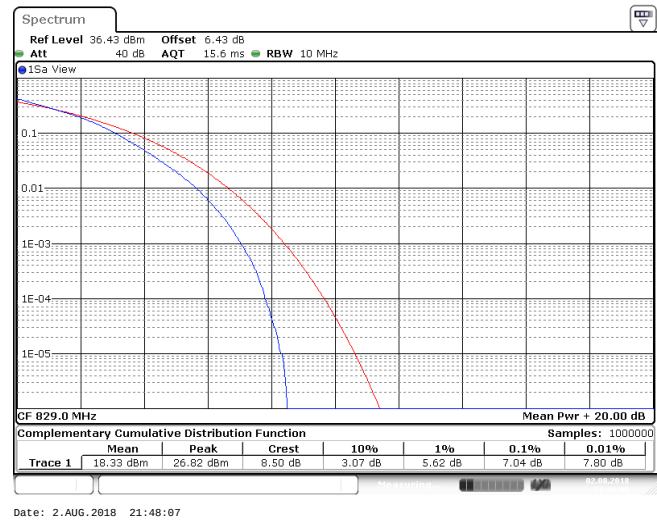
Band5/26_10MHz_QPSK_20600_50RB#0



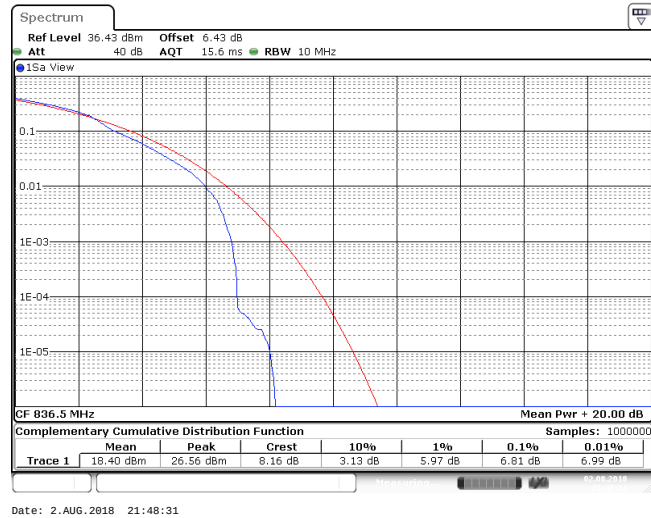
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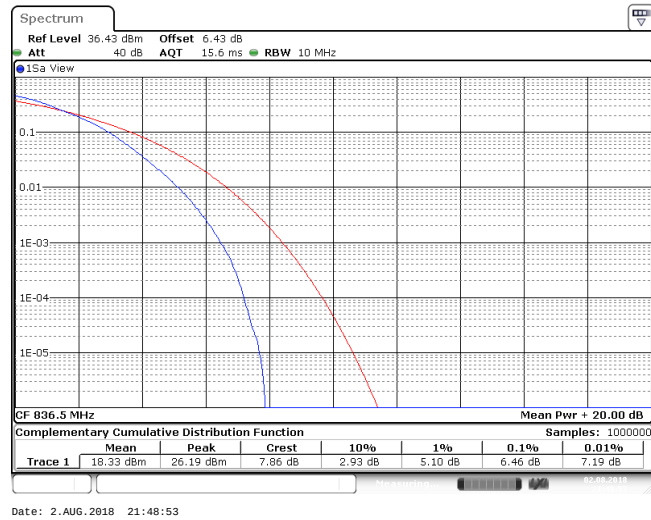
Band5/26_10MHz_16QAM_20450_50RB#0



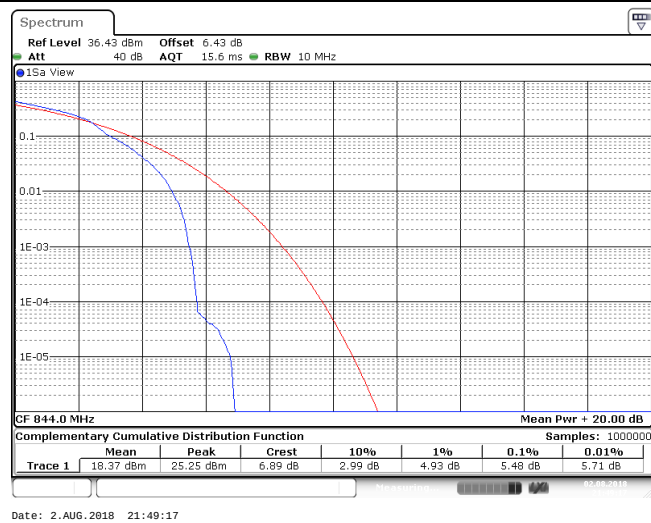
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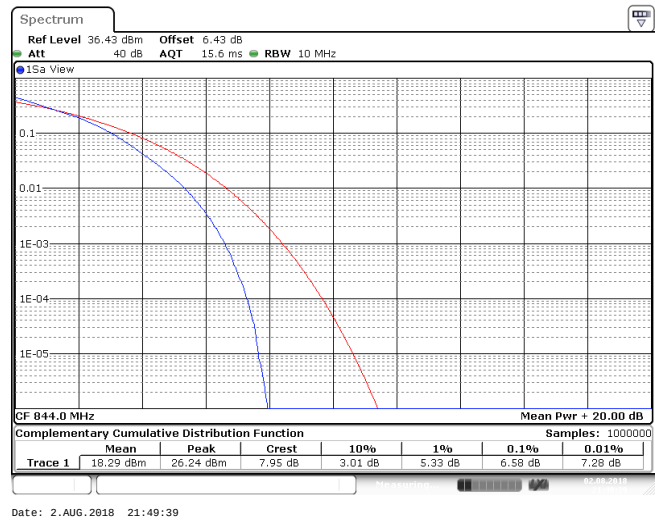
Band5/26_10MHz_16QAM_20525_50RB#0



Band5/26_10MHz_16QAM_20600_1RB#0



Band5/26_10MHz_16QAM_20600_50RB#0



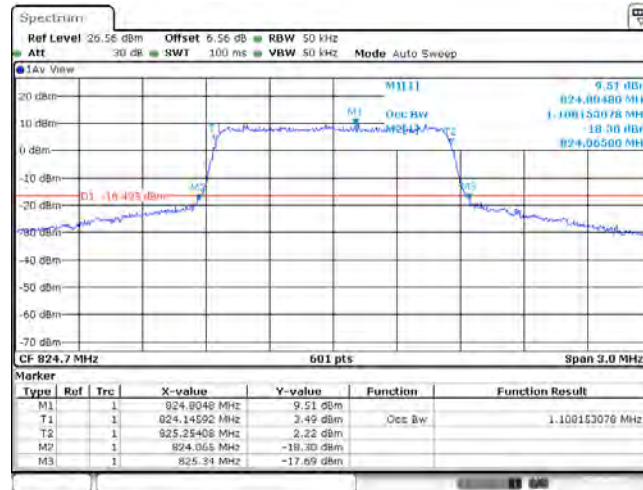
Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

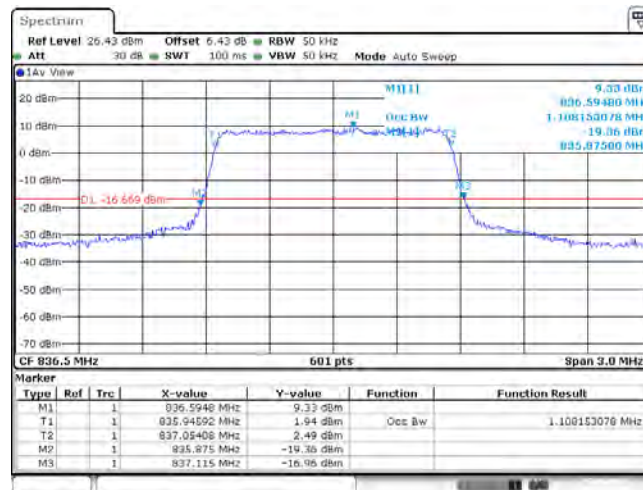
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5/26	1.4MHz	QPSK	20407	6RB#0	1.108	1.275	PASS
Band5/26	1.4MHz	QPSK	20525	6RB#0	1.108	1.240	PASS
Band5/26	1.4MHz	QPSK	20643	6RB#0	1.108	1.245	PASS
Band5/26	1.4MHz	16QAM	20407	6RB#0	1.108	1.265	PASS
Band5/26	1.4MHz	16QAM	20525	6RB#0	1.108	1.230	PASS
Band5/26	1.4MHz	16QAM	20643	6RB#0	1.108	1.235	PASS
Band5/26	3MHz	QPSK	20415	15RB#0	2.705	2.960	PASS
Band5/26	3MHz	QPSK	20525	15RB#0	2.696	2.890	PASS
Band5/26	3MHz	QPSK	20635	15RB#0	2.696	2.910	PASS
Band5/26	3MHz	16QAM	20415	15RB#0	2.696	2.950	PASS
Band5/26	3MHz	16QAM	20525	15RB#0	2.696	2.890	PASS
Band5/26	3MHz	16QAM	20635	15RB#0	2.696	2.900	PASS
Band5/26	5MHz	QPSK	20425	25RB#0	4.476	4.760	PASS
Band5/26	5MHz	QPSK	20525	25RB#0	4.466	4.710	PASS
Band5/26	5MHz	QPSK	20625	25RB#0	4.476	4.720	PASS
Band5/26	5MHz	16QAM	20425	25RB#0	4.496	4.770	PASS
Band5/26	5MHz	16QAM	20525	25RB#0	4.466	4.690	PASS
Band5/26	5MHz	16QAM	20625	25RB#0	4.476	4.720	PASS
Band5/26	10MHz	QPSK	20450	50RB#0	8.952	9.333	PASS
Band5/26	10MHz	QPSK	20525	50RB#0	8.885	9.200	PASS
Band5/26	10MHz	QPSK	20600	50RB#0	8.918	9.300	PASS
Band5/26	10MHz	16QAM	20450	50RB#0	8.952	9.333	PASS
Band5/26	10MHz	16QAM	20525	50RB#0	8.885	9.200	PASS
Band5/26	10MHz	16QAM	20600	50RB#0	8.918	9.267	PASS

Test Graphs

Band5/26_1.4MHz_QPSK_20407_6RB#0



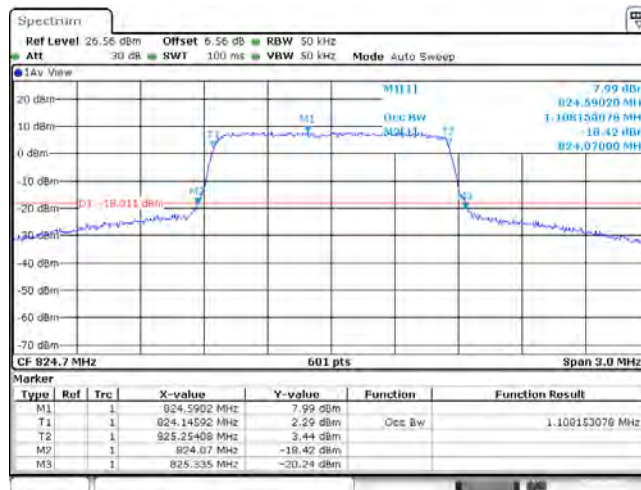
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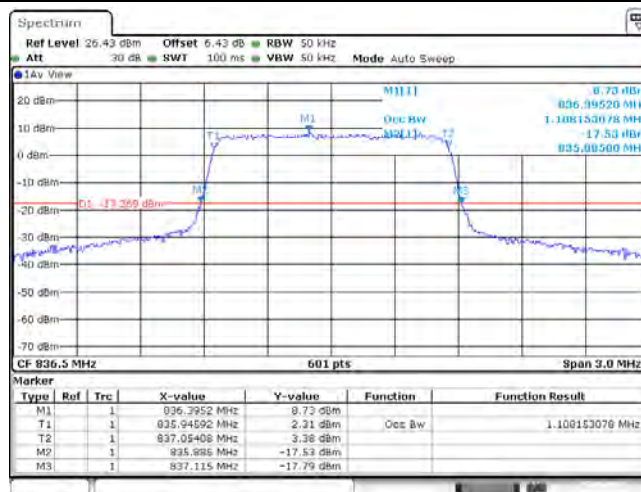
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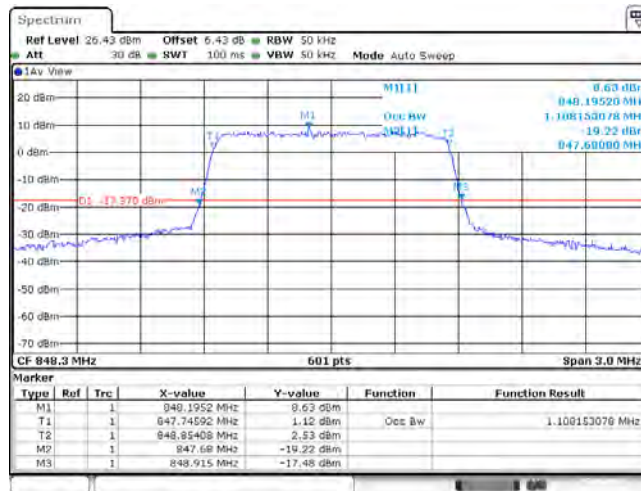
Band5/26_1.4MHz_16QAM_20407_6RB#0



Band5/26_1.4MHz_16QAM_20525_6RB#0



Band5/26_1.4MHz_16QAM_20643_6RB#0



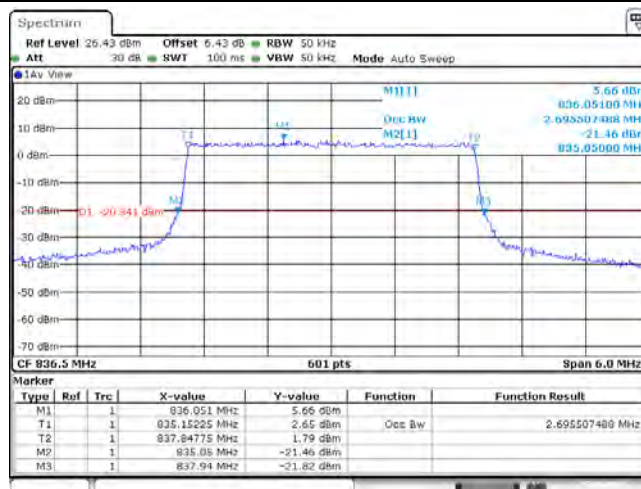
Date: 2.AUG.2018 21:23:59

Band5/26_3MHz_QPSK_20415_15RB#0



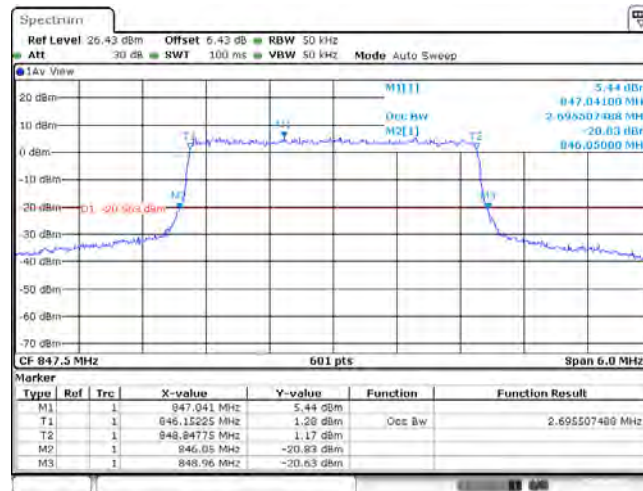
Date: 2.AUG.2018 21:29:05

Band5/26_3MHz_QPSK_20525_15RB#0



Date: 2.AUG.2018 21:29:36

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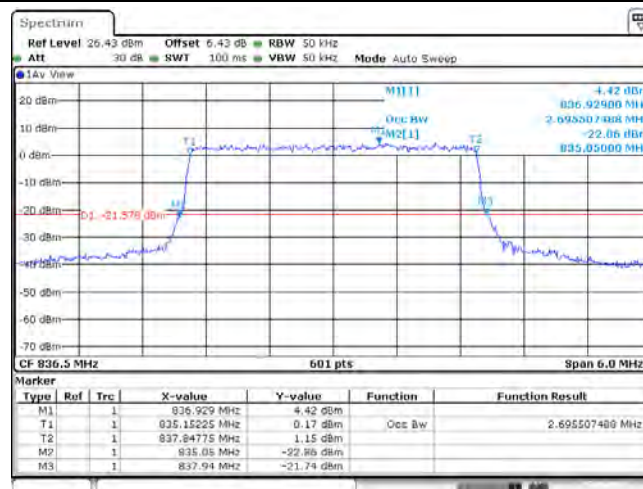
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Band5/26_3MHz_16QAM_20415_15RB#0



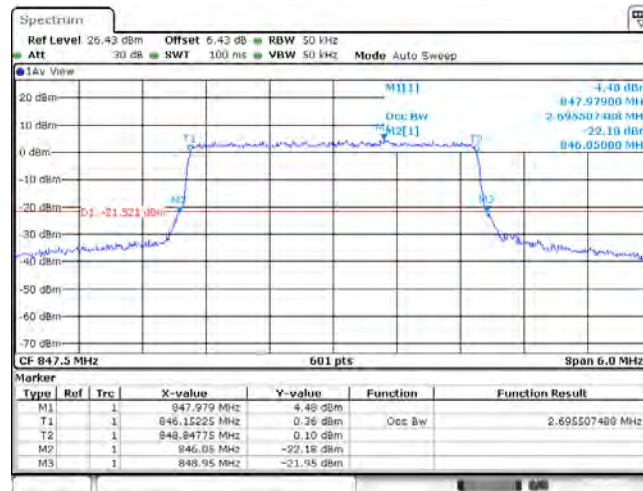
Date: 2.AUG.2018 21:29:20

Band5/26_3MHz_16QAM_20525_15RB#0



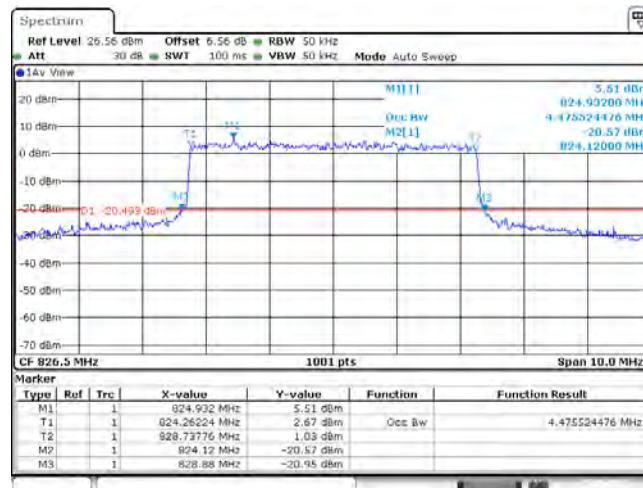
Date: 2.AUG.2018 21:29:51

Band5/26_3MHz_16QAM_20635_15RB#0



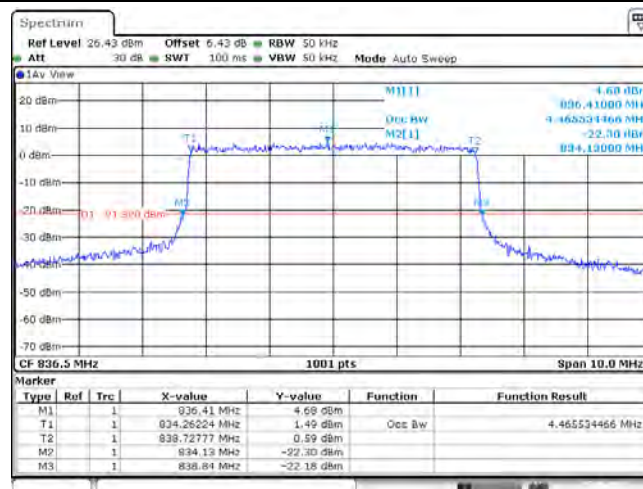
Date: 2.AUG.2018 21:38:22

Band5/26_5MHz_QPSK_20425_25RB#0



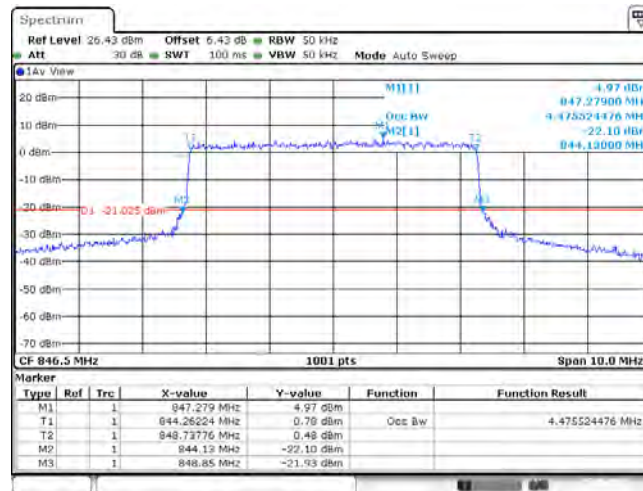
Date: 2.AUG.2018 21:35:52

Band5/26_5MHz_QPSK_20525_25RB#0



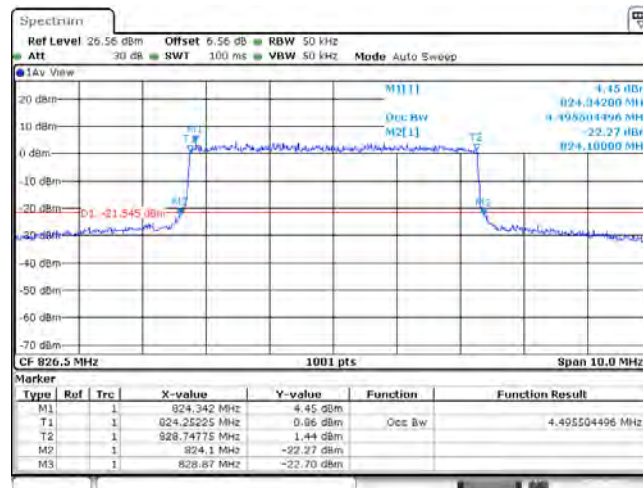
Date: 2.AUG.2018 21:36:39

Band5/26_5MHz_QPSK_20625_25RB#0



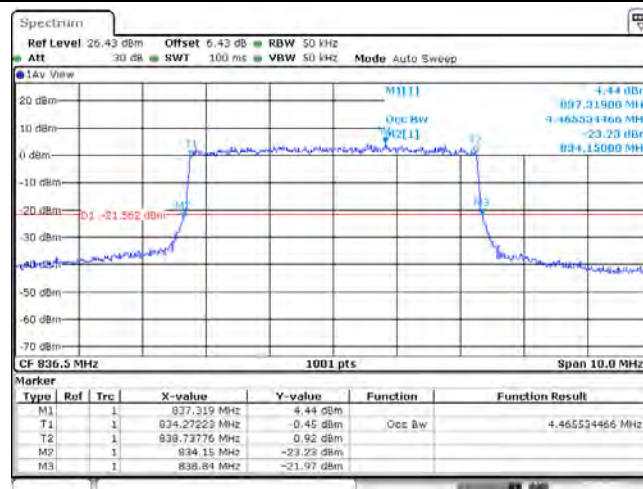
Date: 2.AUG.2018 21:37:27

Band5/26_5MHz_16QAM_20425_25RB#0



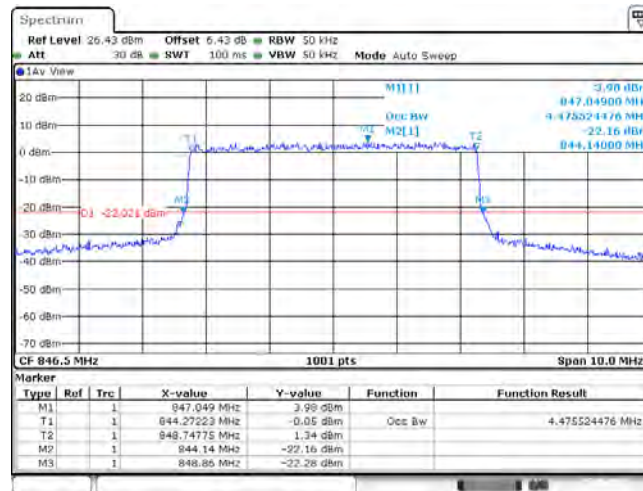
Date: 2.AUG.2018 21:36:15

Band5/26_5MHz_16QAM_20525_25RB#0



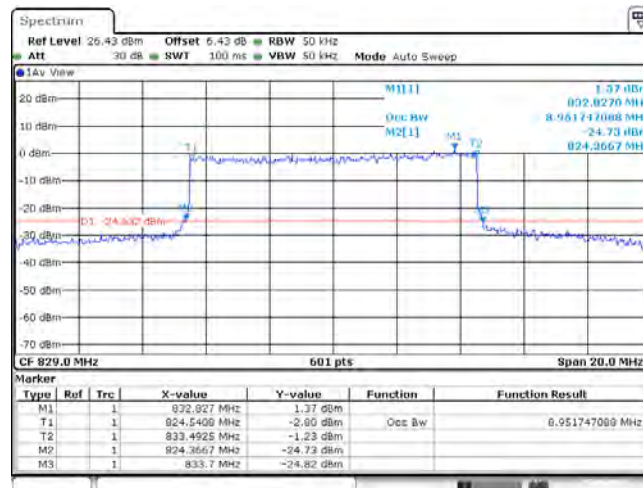
Date: 2.AUG.2018 21:37:01

Band5/26_5MHz_16QAM_20625_25RB#0



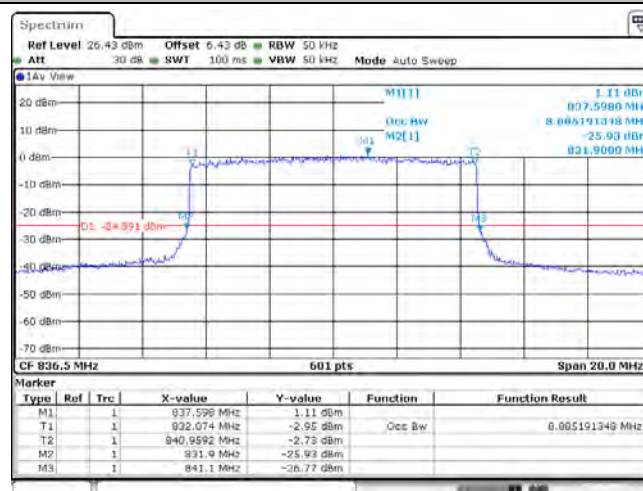
Date: 2.AUG.2018 21:37:49

Band5/26_10MHz_QPSK_20450_50RB#0



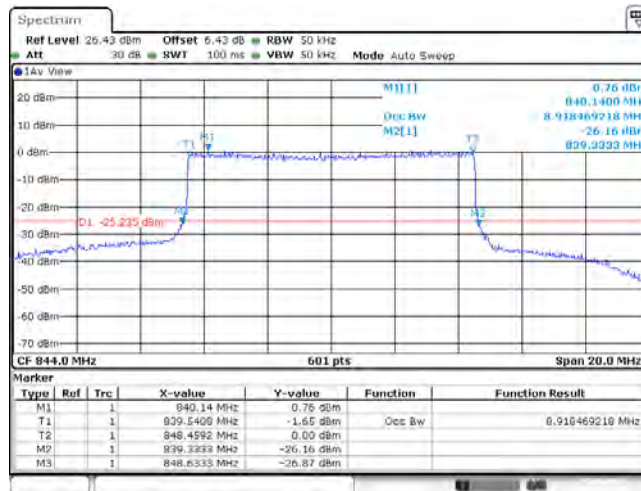
Date: 2.AUG.2018 21:43:18

Band5/26_10MHz_QPSK_20525_50RB#0



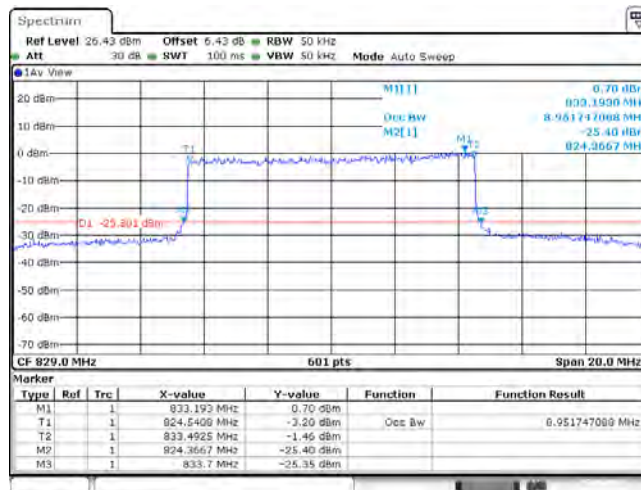
Date: 2.AUG.2018 21:43:50

Band5/26_10MHz_QPSK_20600_50RB#0



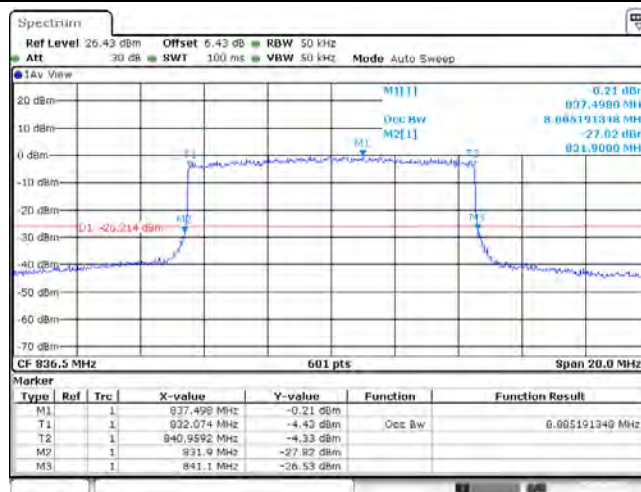
Date: 2.AUG.2018 21:44:23

Band5/26_10MHz_16QAM_20450_50RB#0



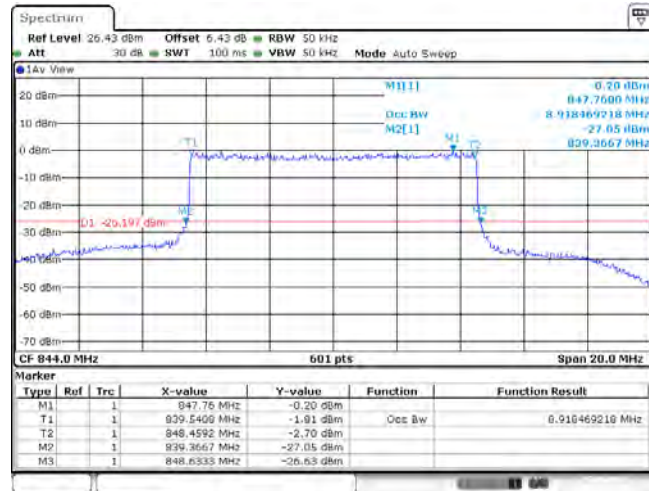
Date: 2.AUG.2018 21:43:33

Band5/26_10MHz_16QAM_20525_50RB#0



Date: 2.AUG.2018 21:44:06

Band5/26_10MHz_16QAM_20600_50RB#0



Date: 2.AUG.2018 21:44:38

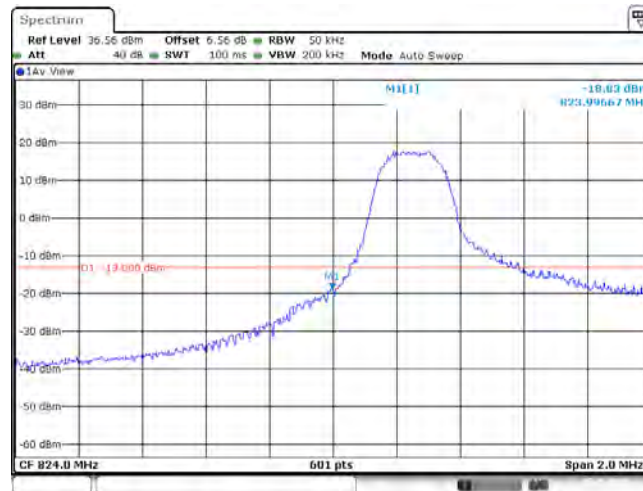
Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5/26	1.4MHz	QPSK	20407	1RB#0	-18.83	PASS
Band5/26	1.4MHz	QPSK	20407	6RB#0	-19.97	PASS
Band5/26	1.4MHz	QPSK	20643	1RB#0	-31.75	PASS
Band5/26	1.4MHz	QPSK	20643	6RB#0	-24.36	PASS
Band5/26	1.4MHz	16QAM	20407	1RB#0	-17.02	PASS
Band5/26	1.4MHz	16QAM	20407	6RB#0	-22.13	PASS
Band5/26	1.4MHz	16QAM	20643	1RB#0	-31.54	PASS
Band5/26	1.4MHz	16QAM	20643	6RB#0	-26.95	PASS
Band5/26	3MHz	QPSK	20415	1RB#0	-13.82	PASS
Band5/26	3MHz	QPSK	20415	15RB#0	-20.75	PASS
Band5/26	3MHz	QPSK	20635	1RB#0	-29.22	PASS
Band5/26	3MHz	QPSK	20635	15RB#0	-23.70	PASS
Band5/26	3MHz	16QAM	20415	1RB#0	-16.74	PASS
Band5/26	3MHz	16QAM	20415	15RB#0	-22.35	PASS
Band5/26	3MHz	16QAM	20635	1RB#0	-29.72	PASS
Band5/26	3MHz	16QAM	20635	15RB#0	-24.09	PASS
Band5/26	5MHz	QPSK	20425	1RB#0	-19.58	PASS
Band5/26	5MHz	QPSK	20425	25RB#0	-23.58	PASS
Band5/26	5MHz	QPSK	20625	1RB#0	-36.49	PASS
Band5/26	5MHz	QPSK	20625	25RB#0	-28.23	PASS
Band5/26	5MHz	16QAM	20425	1RB#0	-21.43	PASS
Band5/26	5MHz	16QAM	20425	25RB#0	-25.53	PASS
Band5/26	5MHz	16QAM	20625	1RB#0	-37.98	PASS
Band5/26	5MHz	16QAM	20625	25RB#0	-30.05	PASS
Band5/26	10MHz	QPSK	20450	1RB#0	-26.52	PASS
Band5/26	10MHz	QPSK	20450	50RB#0	-26.02	PASS
Band5/26	10MHz	QPSK	20600	1RB#0	-42.65	PASS
Band5/26	10MHz	QPSK	20600	50RB#0	-29.97	PASS
Band5/26	10MHz	16QAM	20450	1RB#0	-26.45	PASS
Band5/26	10MHz	16QAM	20450	50RB#0	-27.51	PASS
Band5/26	10MHz	16QAM	20600	1RB#0	-41.31	PASS
Band5/26	10MHz	16QAM	20600	50RB#0	-31.47	PASS

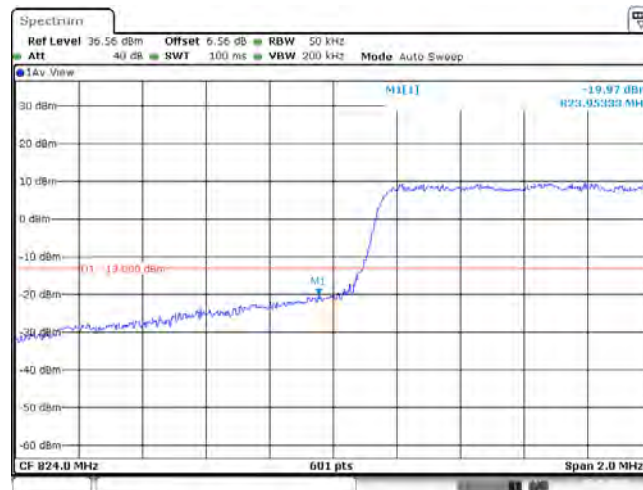
Test Graphs

Band5/26_1.4MHz_QPSK_20407_1RB#0



Date: 2.AUG.2018 21:24:29

Band5/26_1.4MHz_QPSK_20407_6RB#0



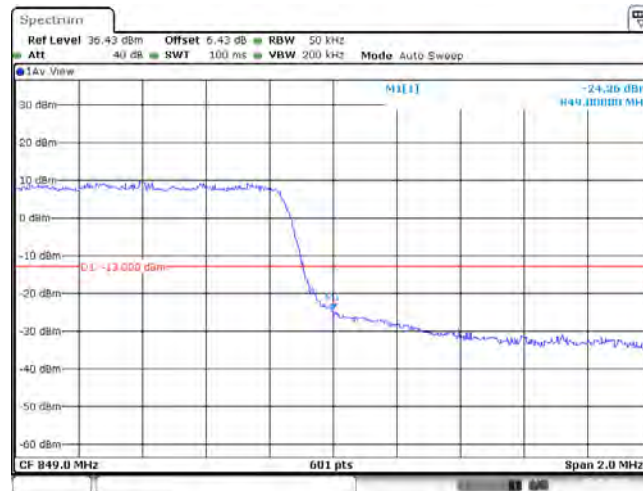
Date: 2.AUG.2018 21:24:58

Band5/26_1.4MHz_QPSK_20643_1RB#0



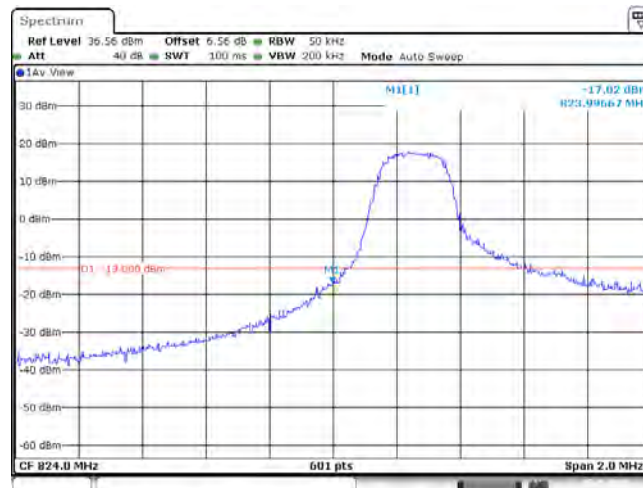
Date: 2.AUG.2018 21:25:33

Band5/26_1.4MHz_QPSK_20643_6RB#0



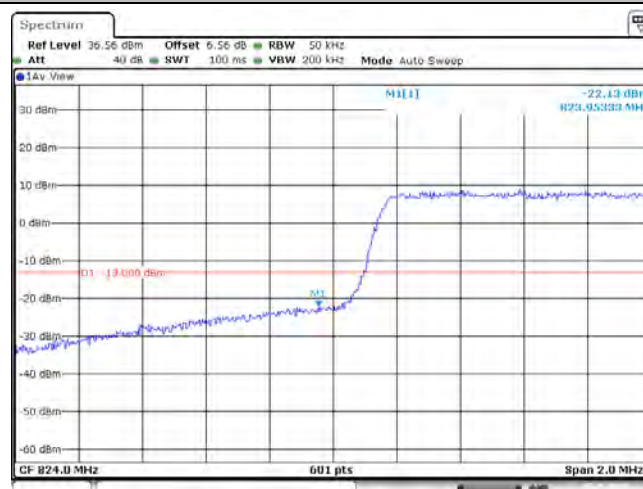
Date: 2.AUG.2018 21:26:02

Band5/26_1.4MHz_16QAM_20407_1RB#0



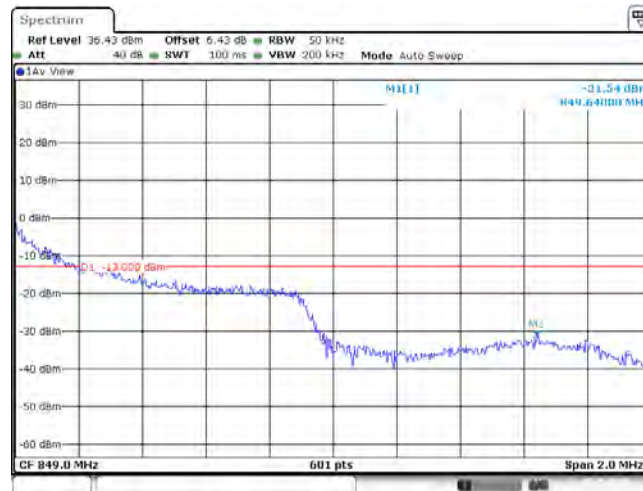
Date: 2.AUG.2018 21:24:44

Band5/26_1.4MHz_16QAM_20407_6RB#0



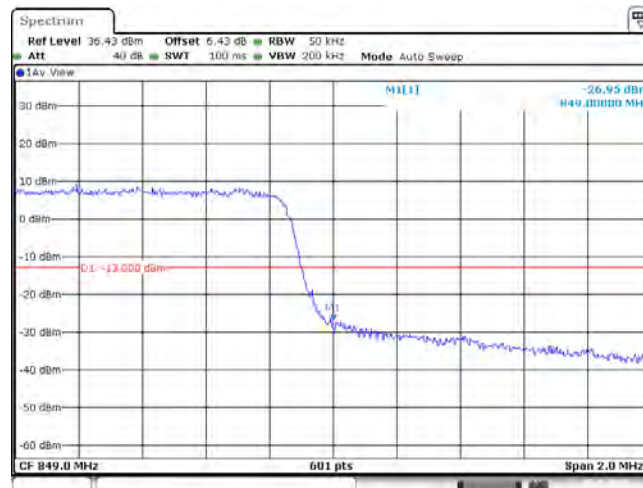
Date: 2.AUG.2018 21:25:13

Band5/26_1.4MHz_16QAM_20643_1RB#0



Date: 2.AUG.2018 21:25:47

Band5/26_1.4MHz_16QAM_20643_6RB#0



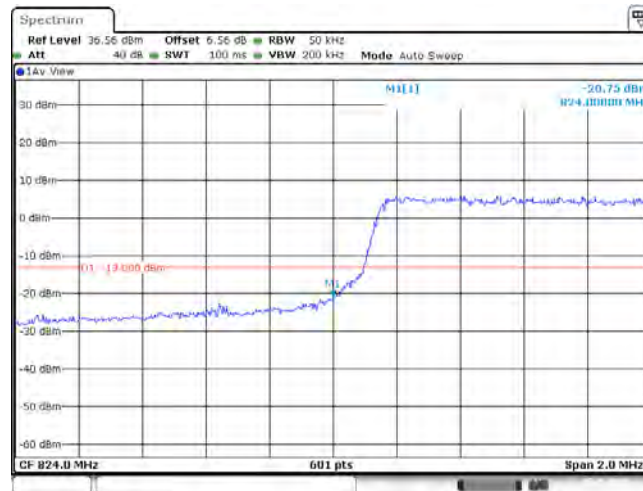
Date: 2.AUG.2018 21:26:17

Band5/26_3MHz_QPSK_20415_1RB#0



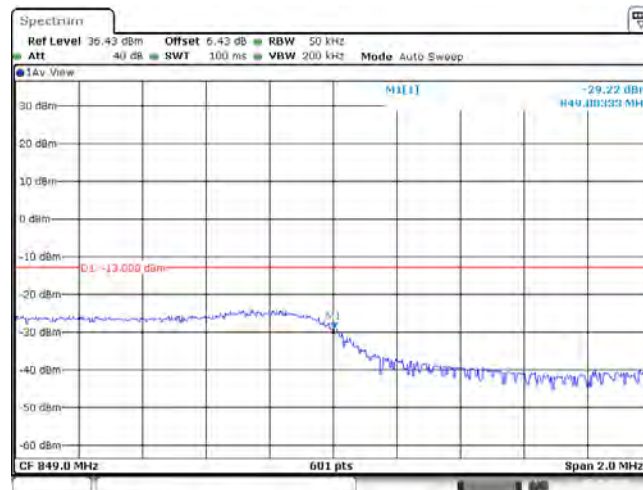
Date: 4.AUG.2018 20:38:12

Band5/26_3MHz_QPSK_20415_15RB#0



Date: 2.AUG.2018 21:31:22

Band5/26_3MHz_QPSK_20635_1RB#0



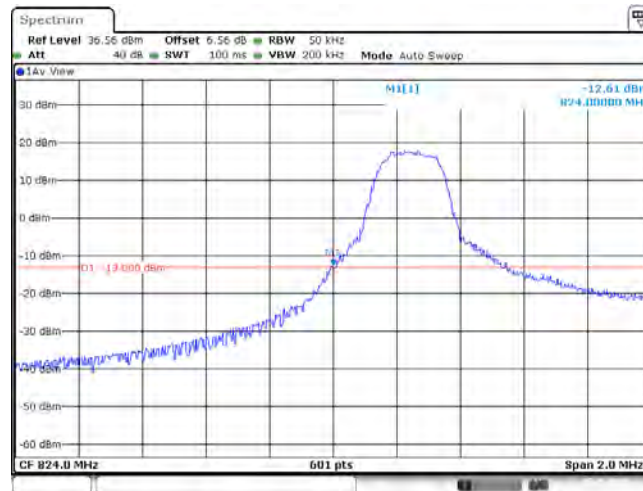
Date: 2.AUG.2018 21:32:05

Band5/26_3MHz_QPSK_20635_15RB#0



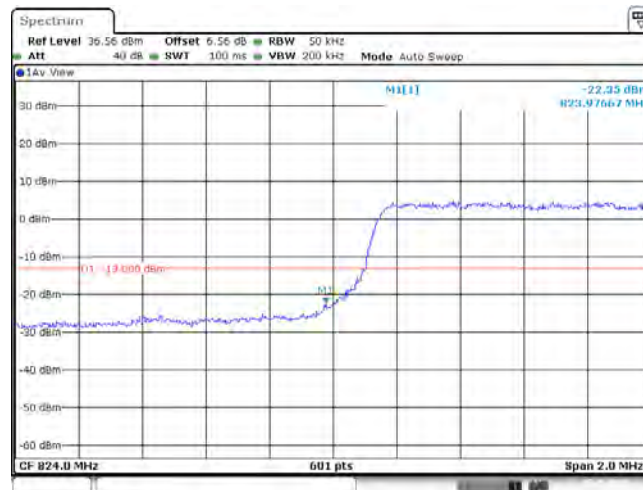
Date: 2.AUG.2018 21:32:34

Band5/26_3MHz_16QAM_20415_1RB#0



Date: 2.AUG.2018 21:31:07

Band5/26_3MHz_16QAM_20415_15RB#0



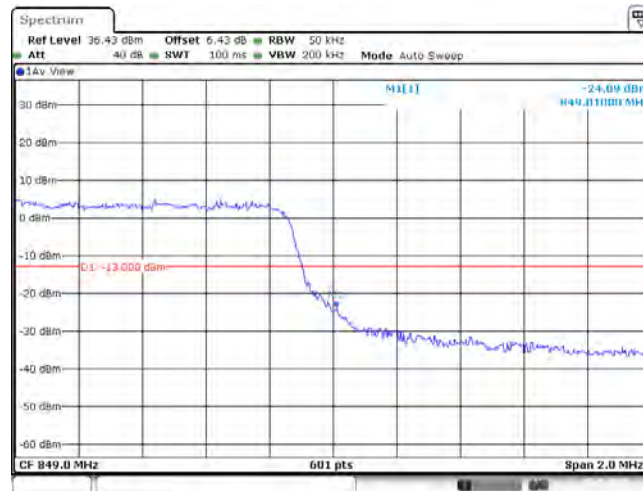
Date: 2.AUG.2018 21:31:36

Band5/26_3MHz_16QAM_20635_1RB#0



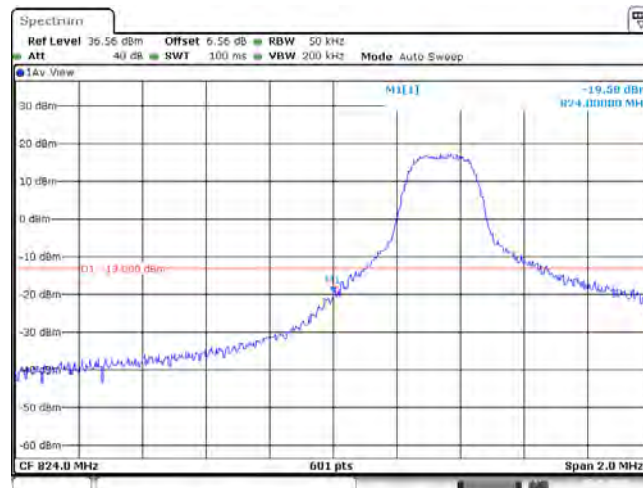
Date: 2.AUG.2018 21:32:20

Band5/26_3MHz_16QAM_20635_15RB#0



Date: 2.AUG.2018 21:32:49

Band5/26_5MHz_QPSK_20425_1RB#0



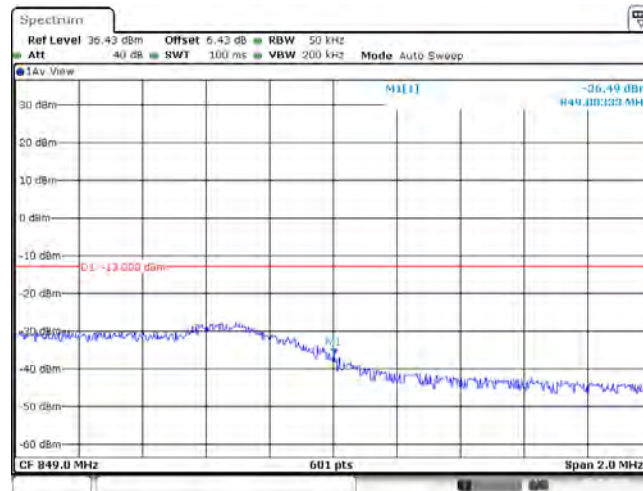
Date: 2.AUG.2018 21:38:20

Band5/26_5MHz_QPSK_20425_25RB#0



Date: 2.AUG.2018 21:38:51

Band5/26_5MHz_QPSK_20625_1RB#0



Date: 2.AUG.2018 21:39:34

Band5/26_5MHz_QPSK_20625_25RB#0



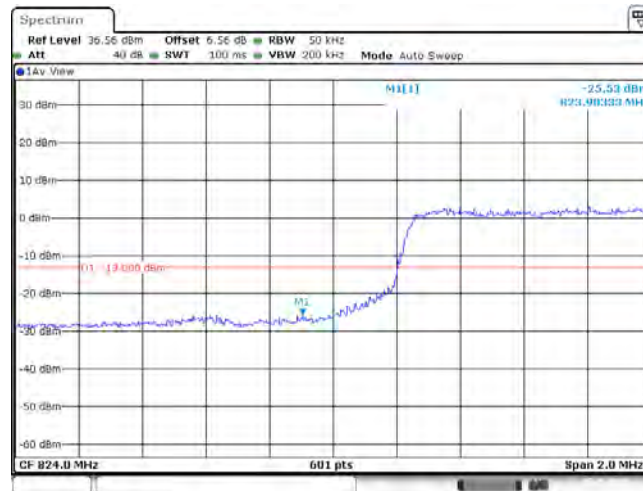
Date: 2.AUG.2018 21:40:05

Band5/26_5MHz_16QAM_20425_1RB#0



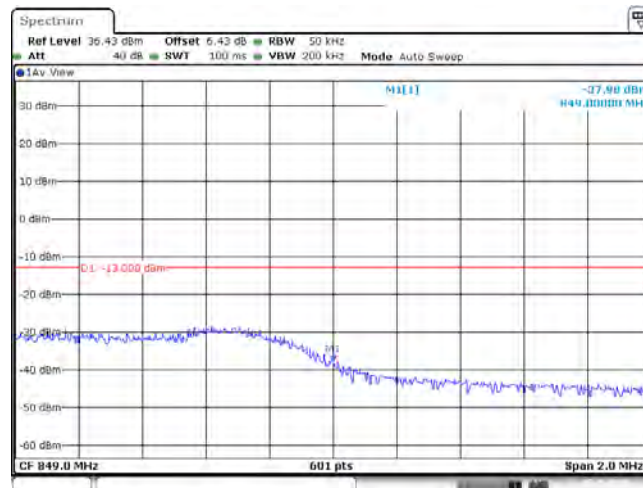
Date: 2.AUG.2018 21:38:35

Band5/26_5MHz_16QAM_20425_25RB#0



Date: 2.AUG.2018 21:39:06

Band5/26_5MHz_16QAM_20625_1RB#0



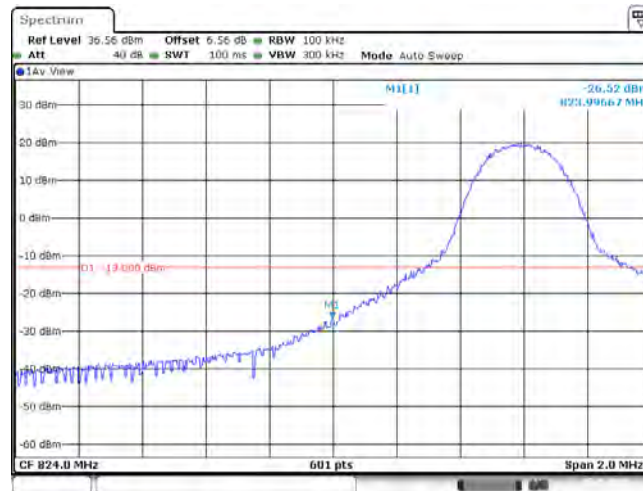
Date: 2.AUG.2018 21:39:50

Band5/26_5MHz_16QAM_20625_25RB#0



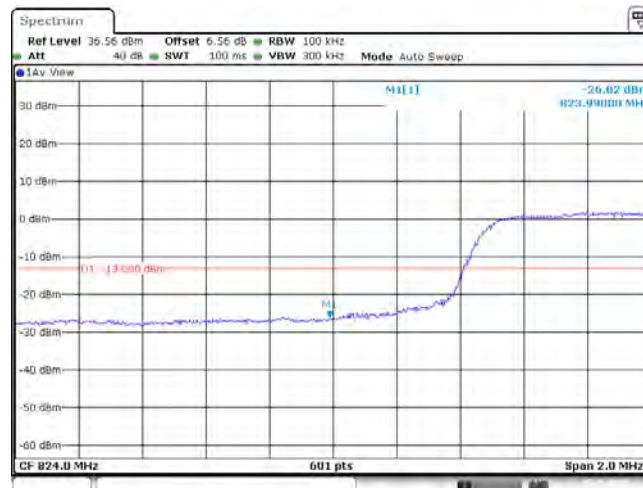
Date: 2.AUG.2018 21:40:20

Band5/26_10MHz_QPSK_20450_1RB#0



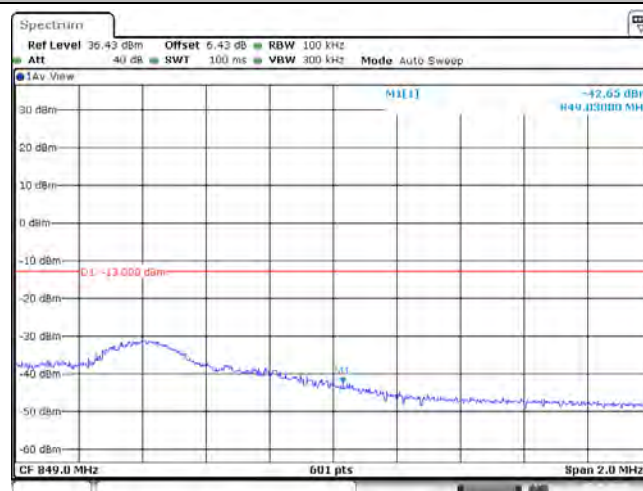
Date: 2.AUG.2018 21:45:10

Band5/26_10MHz_QPSK_20450_50RB#0



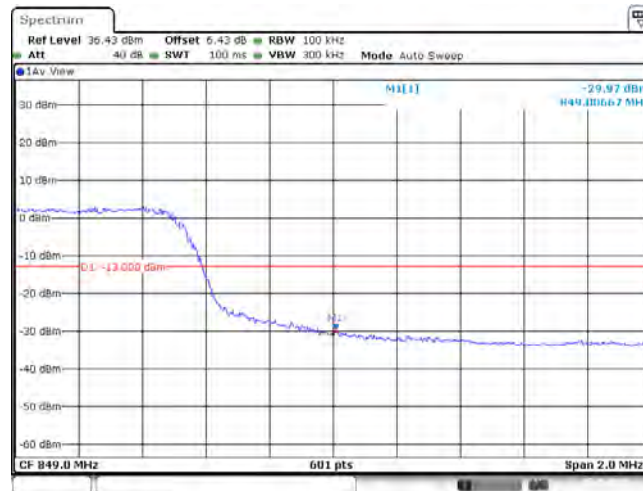
Date: 2.AUG.2018 21:45:41

Band5/26_10MHz_QPSK_20600_1RB#0



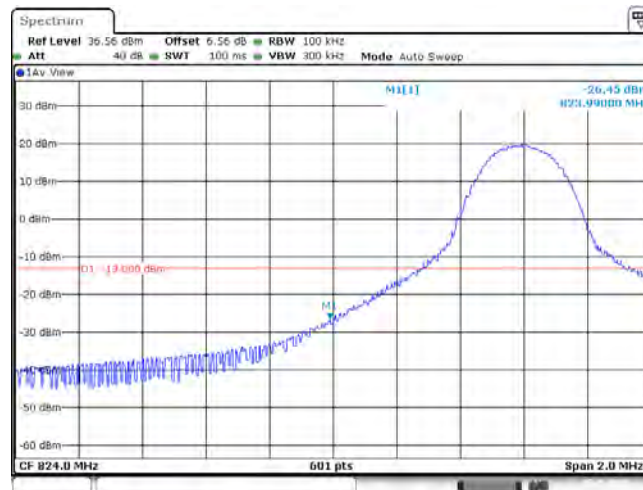
Date: 2.AUG.2018 21:46:26

Band5/26_10MHz_QPSK_20600_50RB#0



Date: 2.AUG.2018 21:46:57

Band5/26_10MHz_16QAM_20450_1RB#0



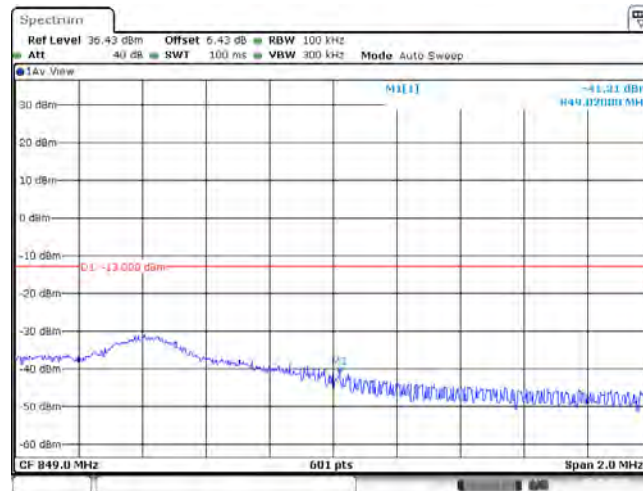
Date: 2.AUG.2018 21:45:25

Band5/26_10MHz_16QAM_20450_50RB#0



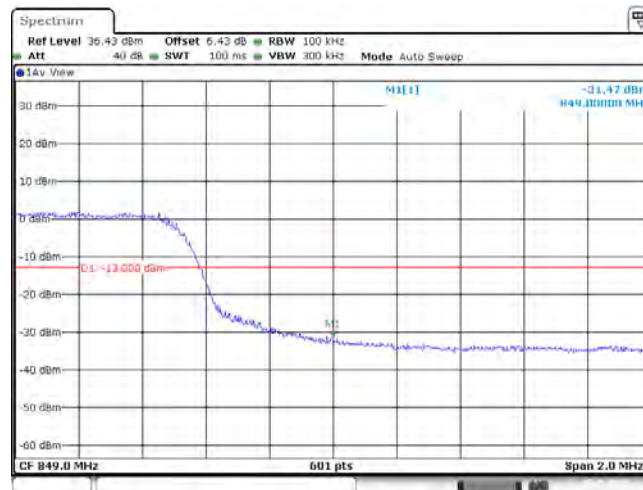
Date: 2.AUG.2018 21:45:56

Band5/26_10MHz_16QAM_20600_1RB#0



Date: 2.AUG.2018 21:46:41

Band5/26_10MHz_16QAM_20600_50RB#0



Date: 2.AUG.2018 21:47:12