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Vice RF module appendix for LTE Band 4

Applicant: HONGKONG UCLOUDLINK NETWORK TECHNOLOGY LIMITED

Address: Suite 603, 6/F, Laws Commercial Plaza, 788 Cheung Sha Wan Road, Kowloon, Hong Kong

Product Name: 4G Wireless Data Terminal

Model: GLMU20A02

FCC ID: 2AC88-GLMU20A02

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1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

LTE Band 4				Actual output Power (dBm)		
Band-width	Modulation	RB allocation	RB offset	Low	Middle	High
1.4	QPSK	1	Low	22.33	22.57	22.17
			Middle	22.24	22.54	21.98
			High	22.28	22.49	22.06
		3	Low	20.97	21.13	20.57
			Middle	20.95	21.18	20.50
			High	20.92	21.05	20.47
		6	/	20.89	20.78	20.01
	16QAM	1	Low	22.06	22.23	21.79
			Middle	22.04	22.16	21.58
			High	21.97	22.15	21.71
		3	Low	20.34	20.48	20.06
			Middle	20.32	20.42	19.86
			High	20.26	20.42	19.98
		6	/	20.04	20.22	19.70
3	QPSK	1	Low	22.40	22.55	22.13
			Middle	22.31	22.52	21.95
			High	22.35	22.47	22.02
		8	Low	21.03	21.11	20.54
			Middle	21.01	21.16	20.47
			High	20.99	21.03	20.44
		15	/	20.95	20.76	19.98
	16QAM	1	Low	22.13	22.21	21.76
			Middle	22.10	22.14	21.55
			High	22.04	22.13	21.67
		8	Low	20.40	20.47	20.03
			Middle	20.38	20.41	19.83
			High	20.31	20.40	19.95
		15	/	20.10	20.20	19.67

5	QPSK	1	Low	22.35	22.60	22.10
			Middle	22.26	22.57	21.91
			High	22.30	22.51	21.99
		12	Low	20.99	21.15	20.51
			Middle	20.97	21.20	20.44
			High	20.94	21.07	20.41
		25	/	20.91	20.81	19.95
	16QAM	1	Low	22.08	22.25	21.72
			Middle	22.05	22.19	21.51
			High	21.99	22.18	21.64
		12	Low	20.36	20.51	19.99
			Middle	20.33	20.45	19.80
			High	20.27	20.44	19.91
		25	/	20.05	20.25	19.63
10	QPSK	1	Low	22.33	22.62	22.08
			Middle	22.24	22.59	21.90
			High	22.28	22.54	21.97
		25	Low	20.96	21.18	20.49
			Middle	20.94	21.23	20.42
			High	20.92	21.10	20.39
		50	/	20.89	20.83	19.93
	16QAM	1	Low	22.06	22.28	21.71
			Middle	22.03	22.22	21.50
			High	21.97	22.21	21.62
		25	Low	20.33	20.53	19.98
			Middle	20.31	20.47	19.79
			High	20.25	20.47	19.90
		50	/	20.03	20.27	19.62
15	QPSK	1	Low	22.37	22.60	22.11
			Middle	22.28	22.57	21.92
			High	22.32	22.51	22.00
		38	Low	21.01	21.15	20.52
			Middle	20.99	21.20	20.45
			High	20.96	21.07	20.42
		75	/	20.93	20.80	19.96
	16QAM	1	Low	22.10	22.25	21.73
			Middle	22.08	22.19	21.52

			High	22.01	22.18	21.65
		38	Low	20.37	20.51	20.00
			Middle	20.35	20.45	19.81
			High	20.29	20.44	19.92
		75	/	20.07	20.25	19.64
20	QPSK	1	Low	22.42	**22.67**	22.18
			Middle	22.33	22.64	21.99
			High	22.37	22.59	22.07
		50	Low	21.05	21.22	20.58
			Middle	21.03	21.27	20.52
			High	21.01	21.14	20.48
		100	/	20.98	20.87	20.02
	16QAM	1	Low	21.85	22.06	21.57
			Middle	21.82	22.00	21.37
			High	21.76	21.99	21.49
		50	Low	20.14	20.33	19.86
			Middle	20.12	20.27	19.66
			High	20.06	20.27	19.78
		100	/	19.84	20.07	19.50

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

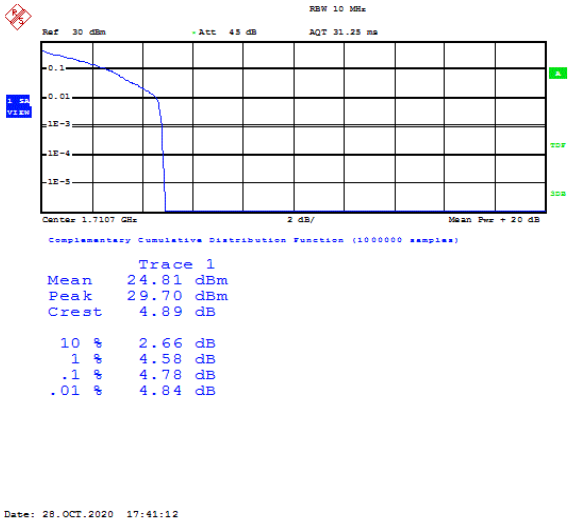
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.78	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.42	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.87	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.48	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.84	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.48	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.90	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.35	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.83	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.38	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.99	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.28	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.71	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.38	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.90	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.61	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.90	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.51	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.58	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.35	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.74	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.47	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.77	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.38	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.74	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.35	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.87	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.42	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.78	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.38	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.64	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.22	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.83	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.31	13	PASS

Band4	5MHz	16QAM	20375	1RB#0	5.77	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.35	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.71	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.26	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.87	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.38	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.81	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.26	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.48	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.28	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.64	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.31	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.93	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.25	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	5.22	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.71	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.29	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.77	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	5.26	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.74	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.26	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.79	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.35	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.83	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.35	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.73	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	5.74	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	6.35	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.93	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.41	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	5.87	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.38	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.61	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	7.18	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.87	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	7.15	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.32	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	7.18	13	PASS

Test Graphs

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



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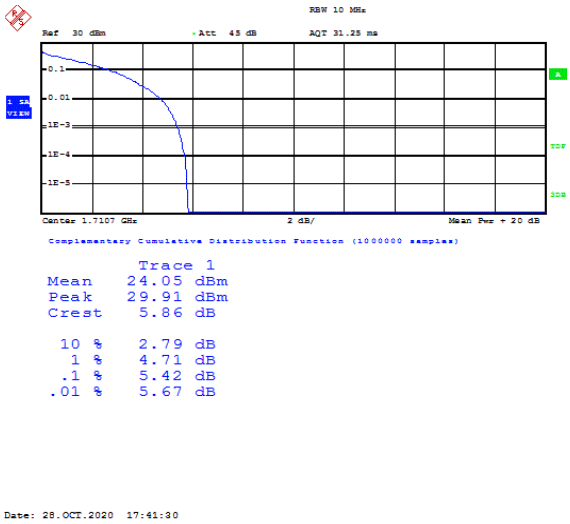

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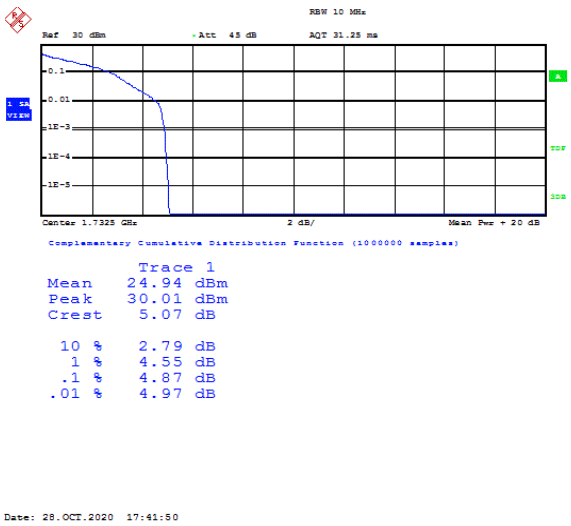

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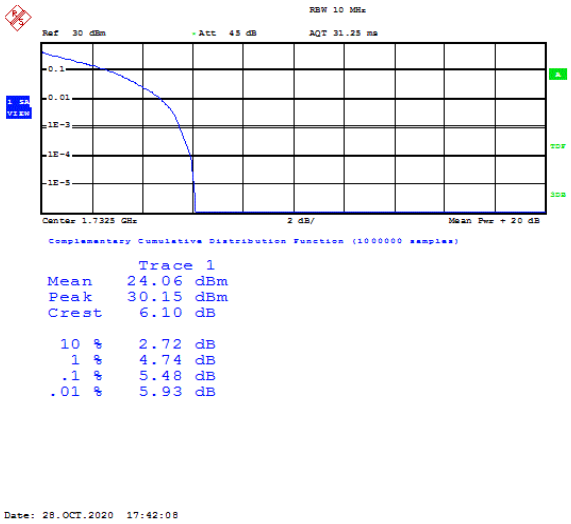

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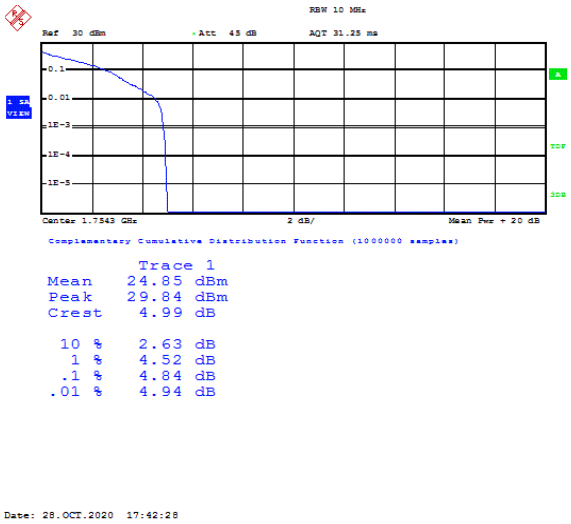

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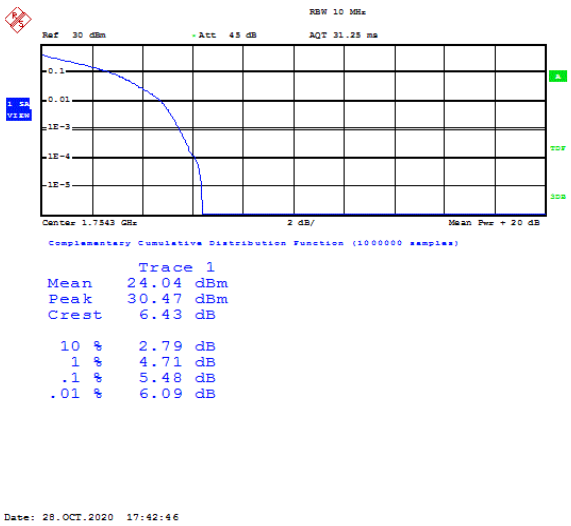

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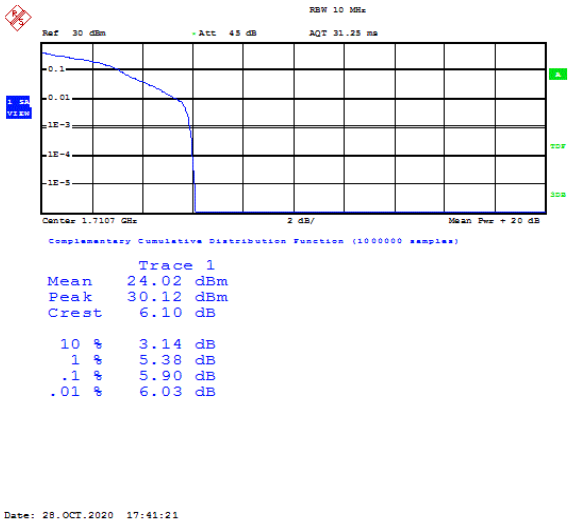

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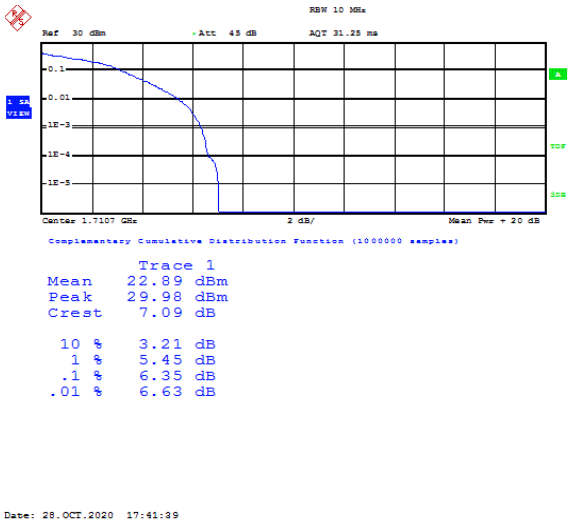

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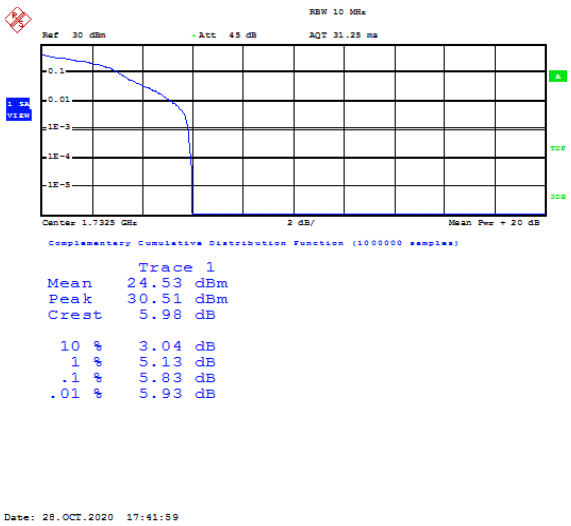

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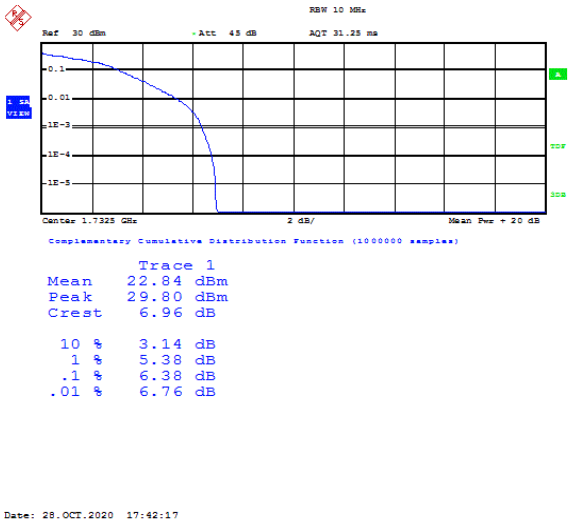

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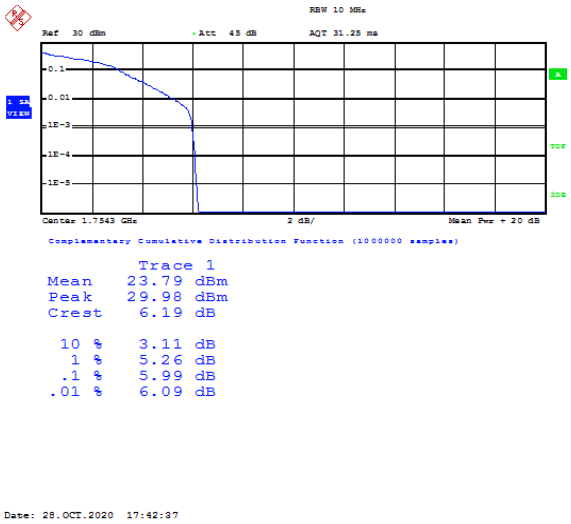

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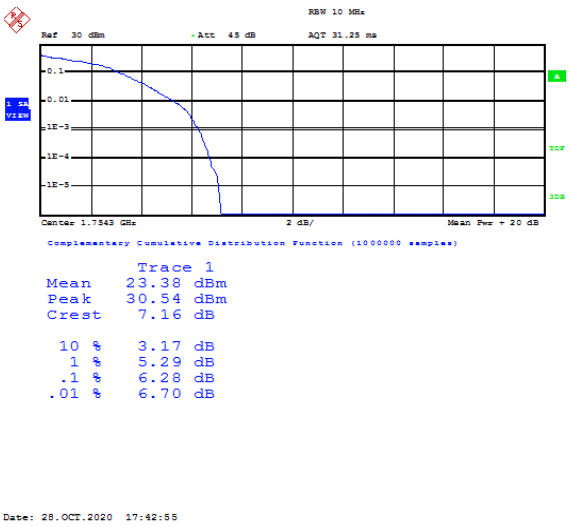

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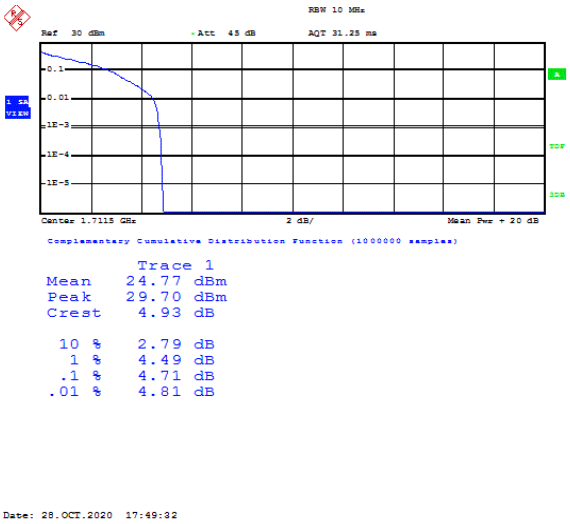

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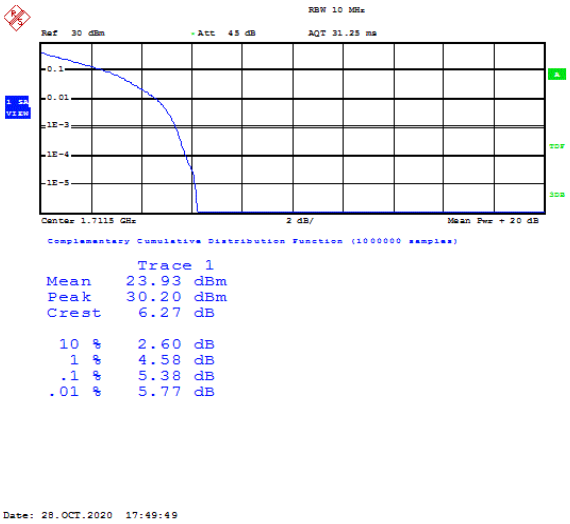

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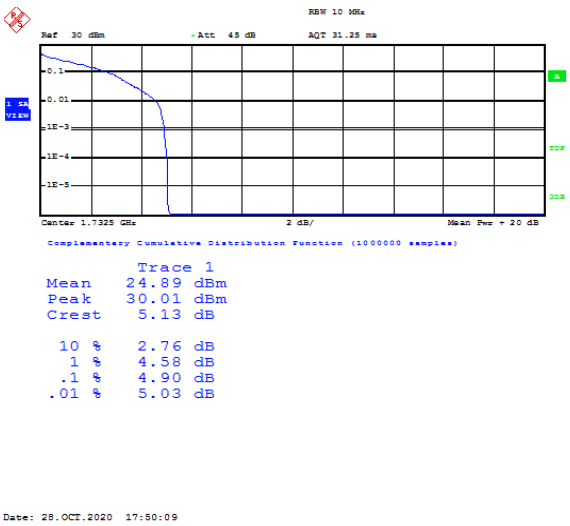

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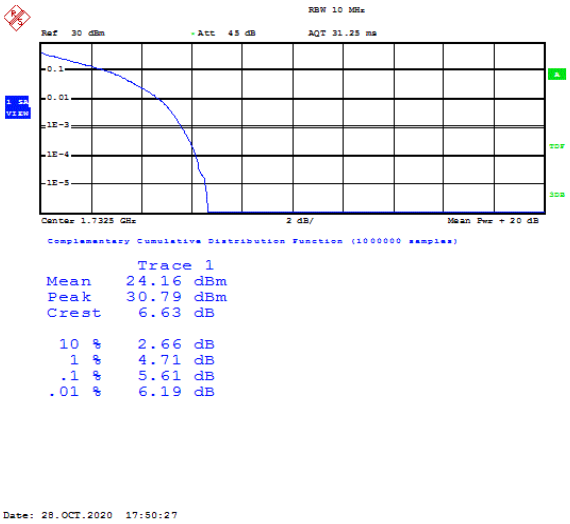

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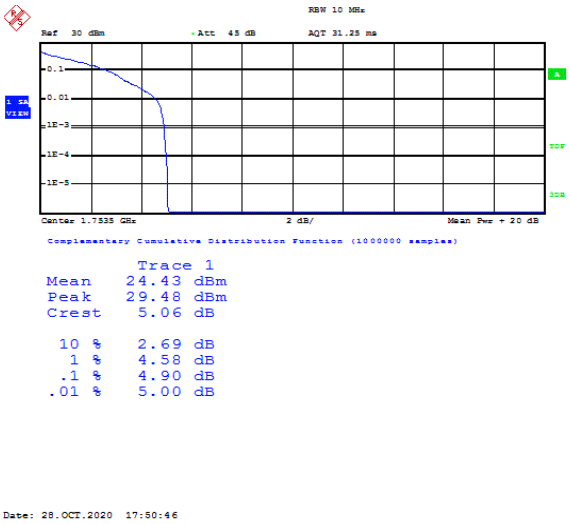

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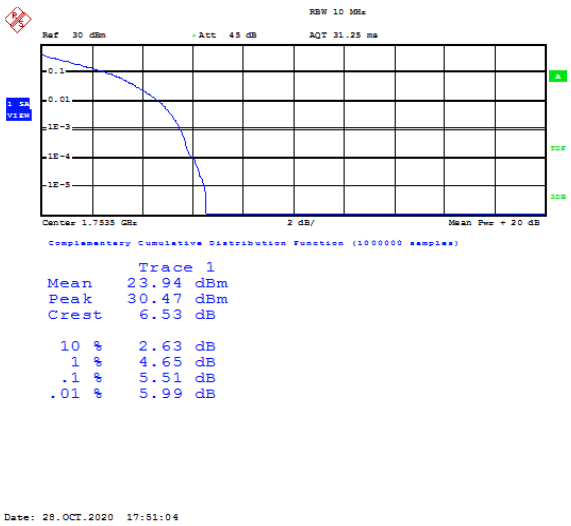

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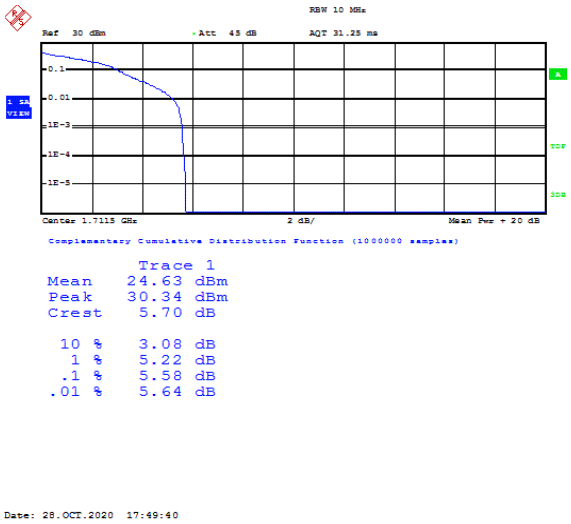

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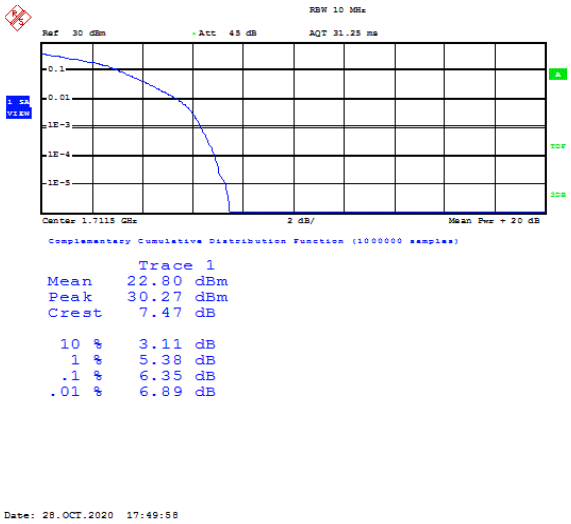

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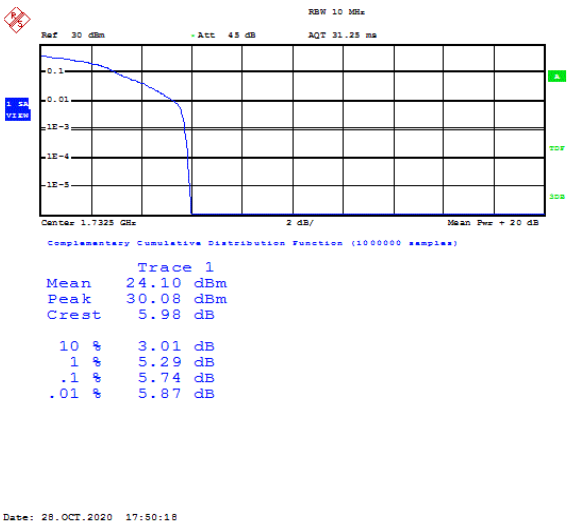

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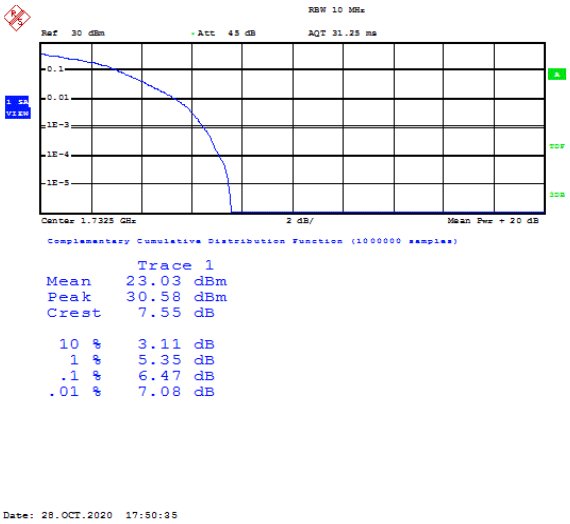

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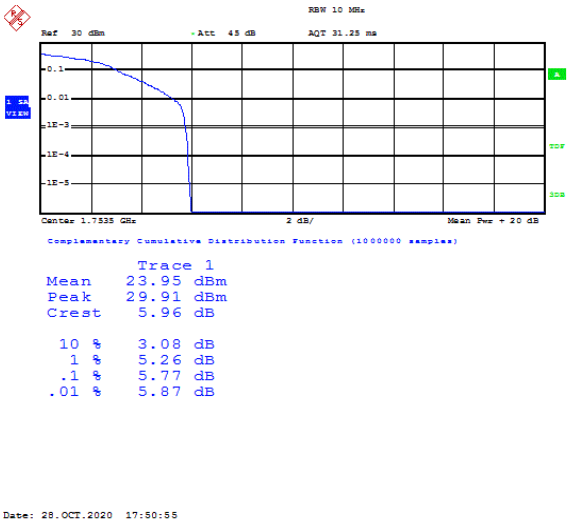

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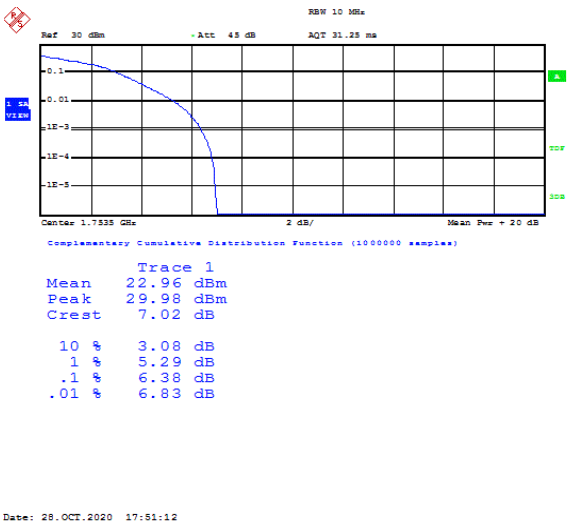

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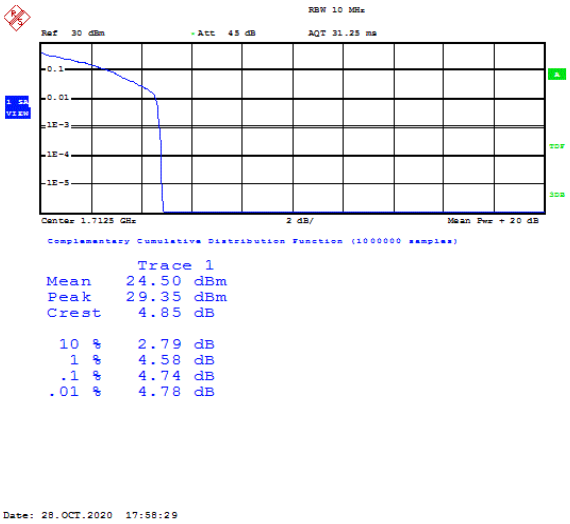

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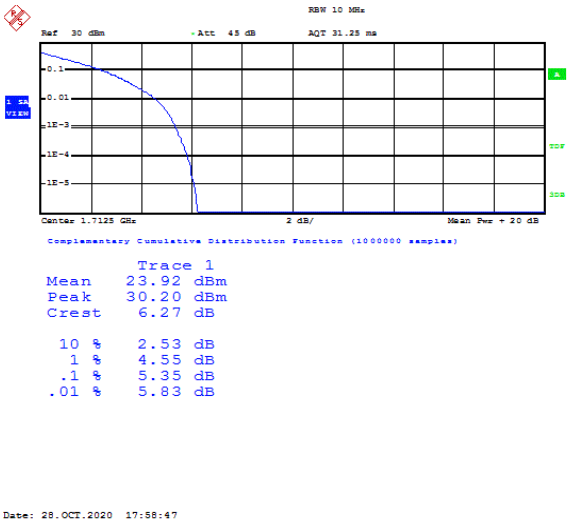

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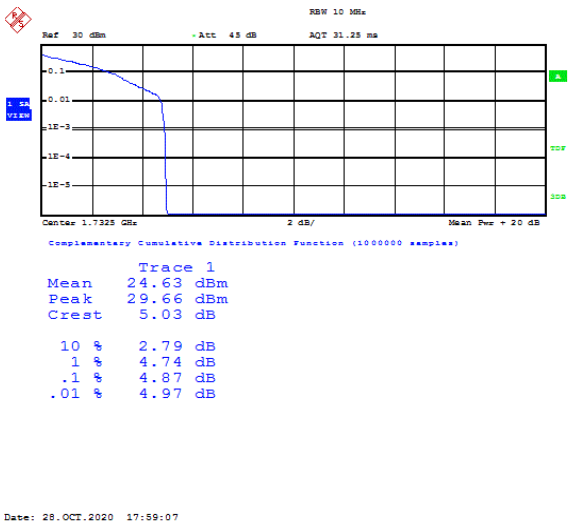

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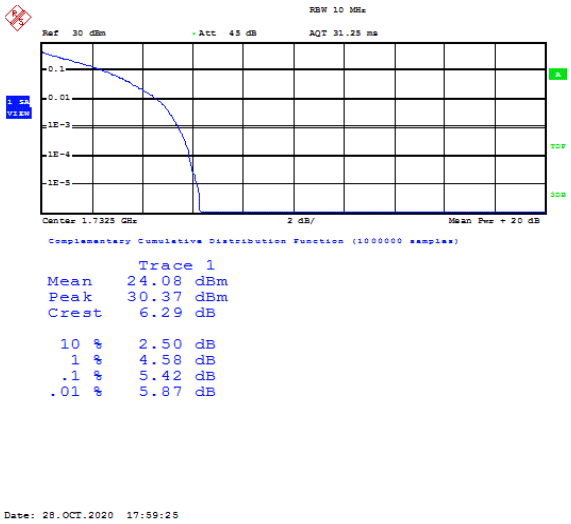

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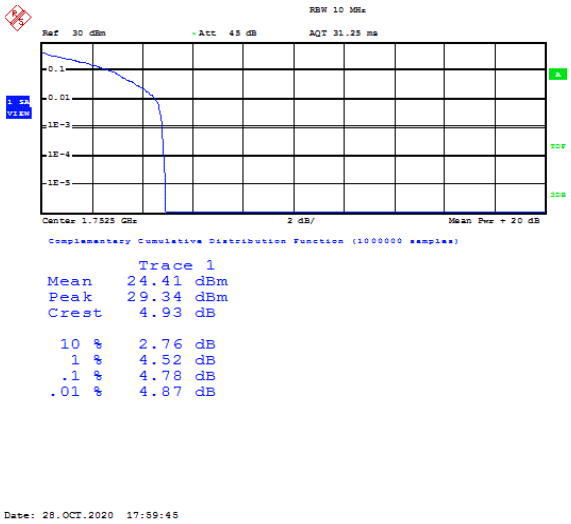

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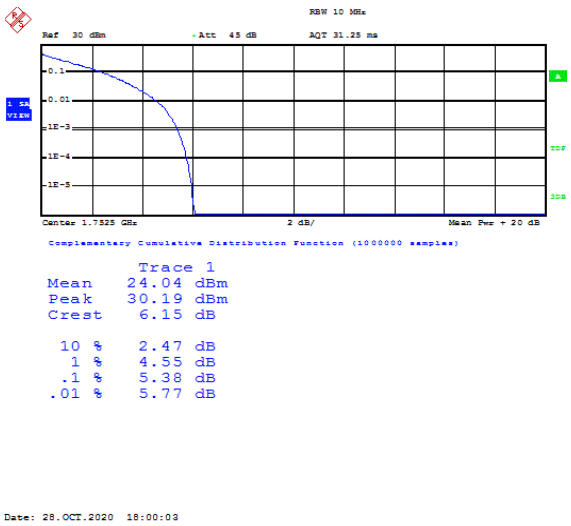

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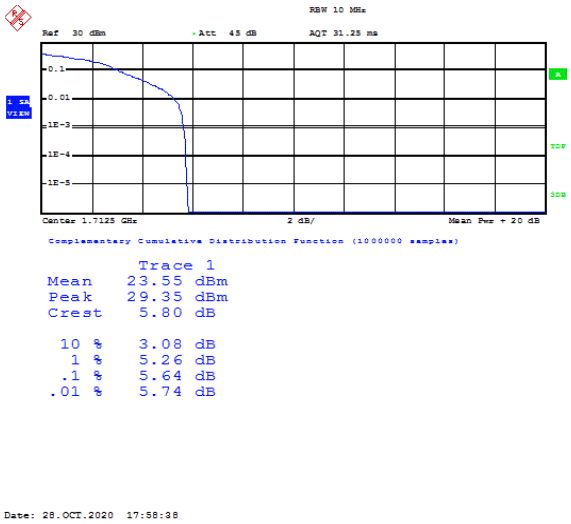

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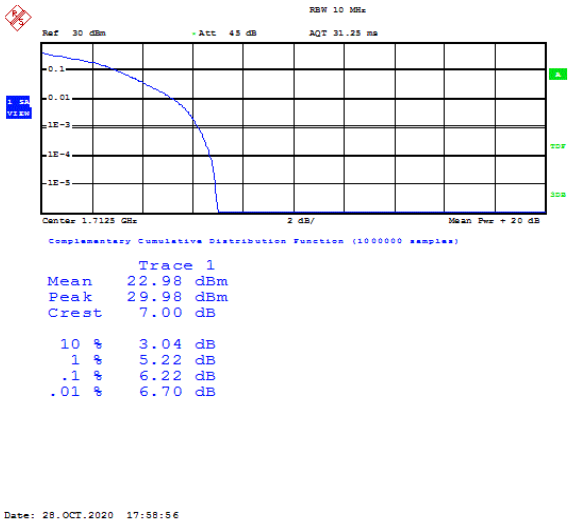

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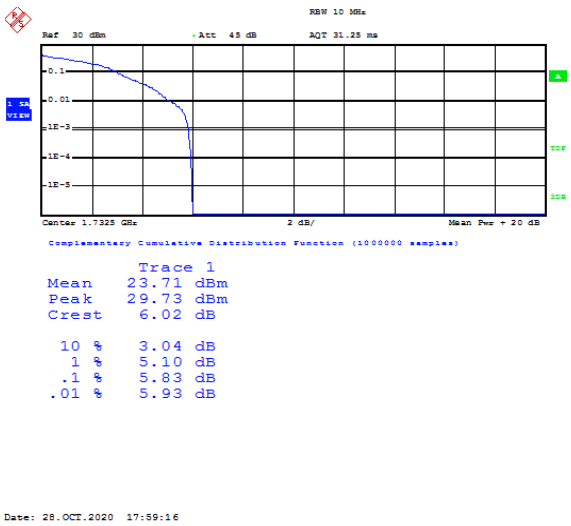

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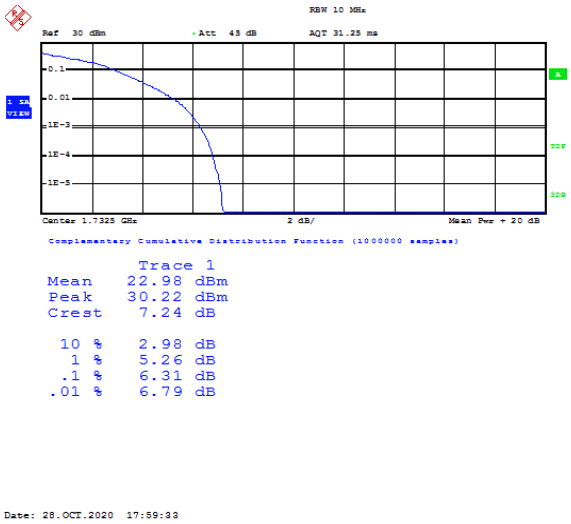

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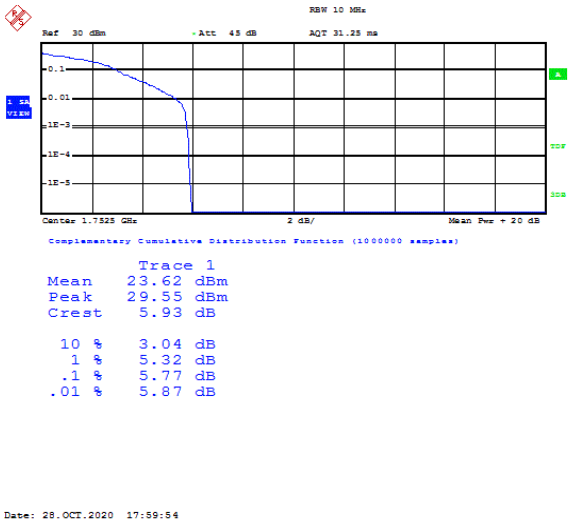

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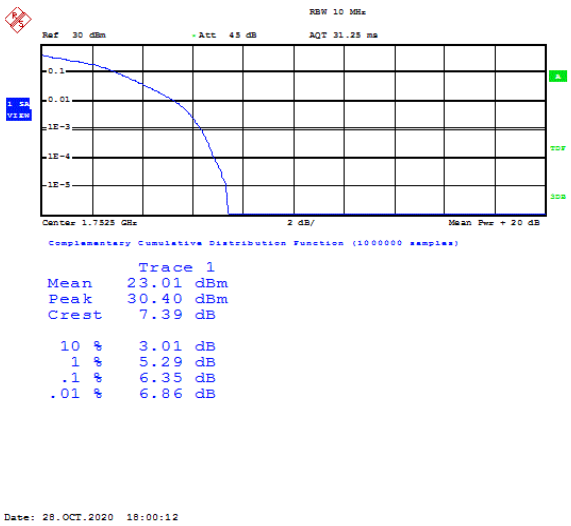

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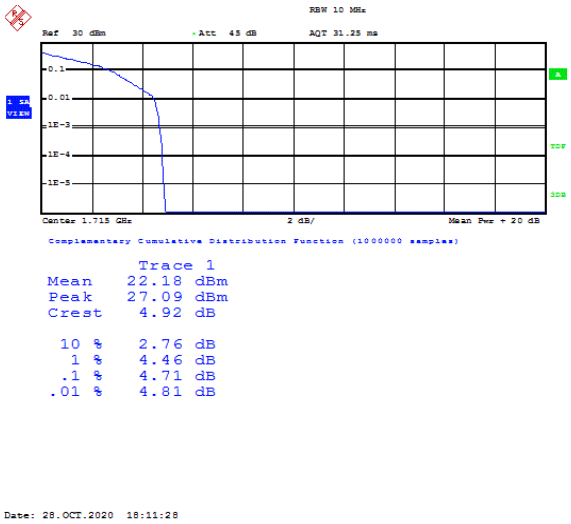

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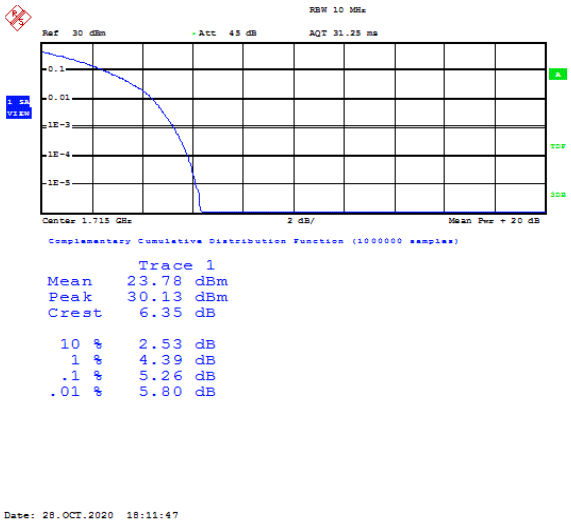

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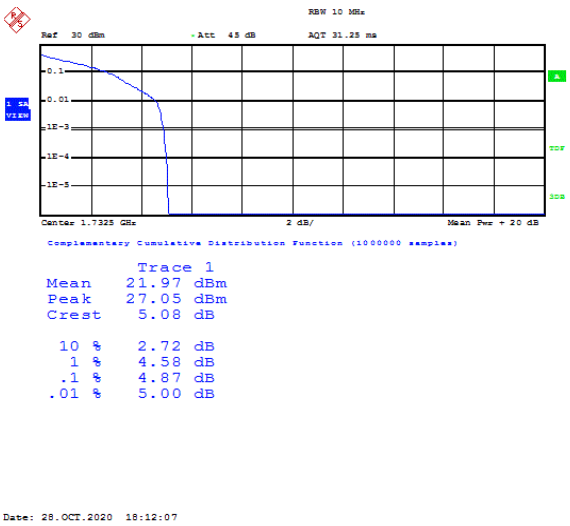

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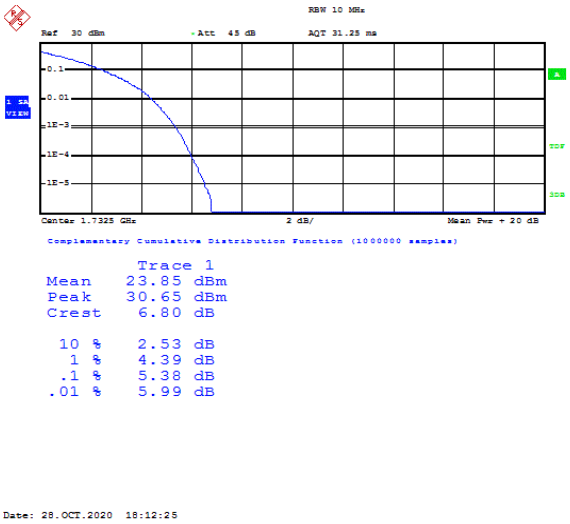

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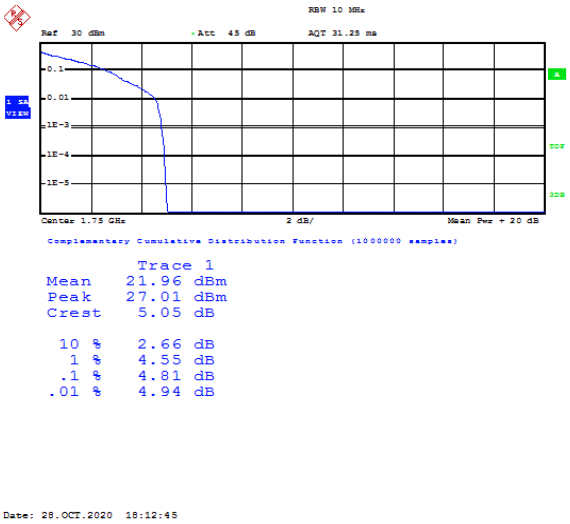

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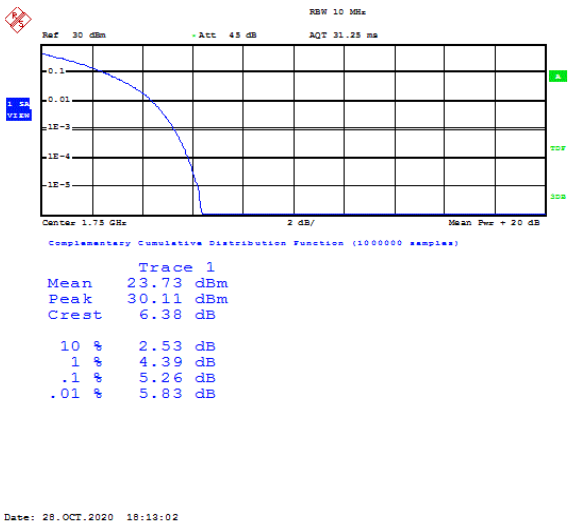

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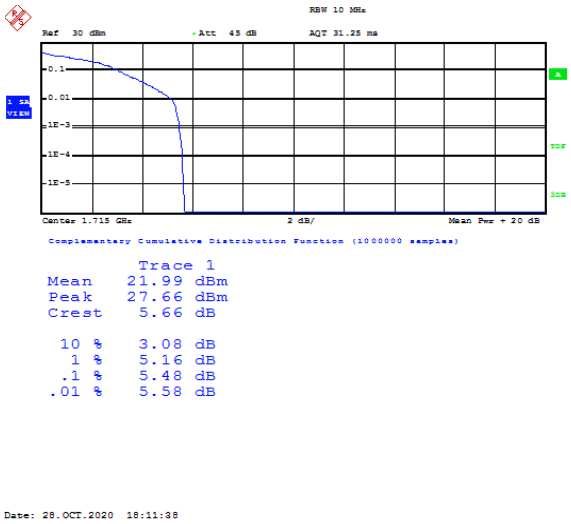

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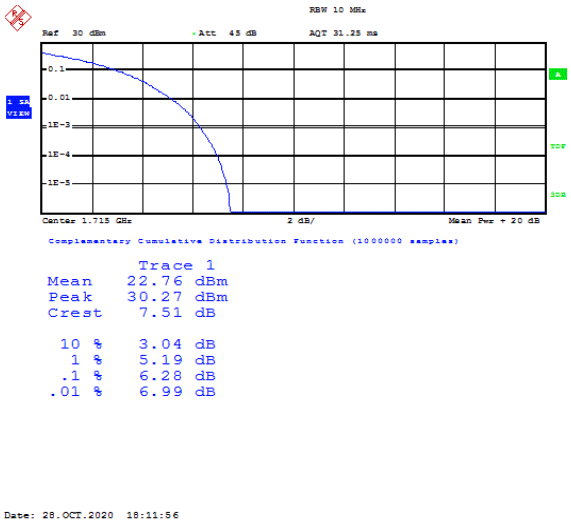

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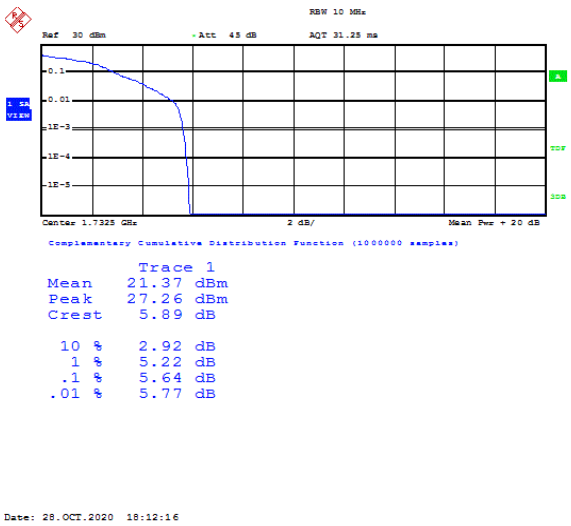

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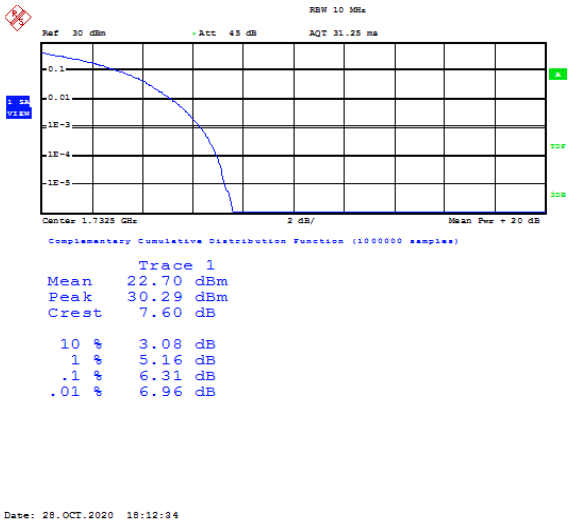

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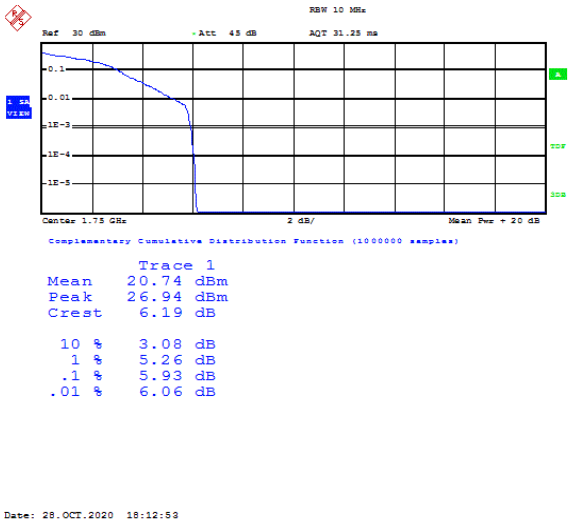

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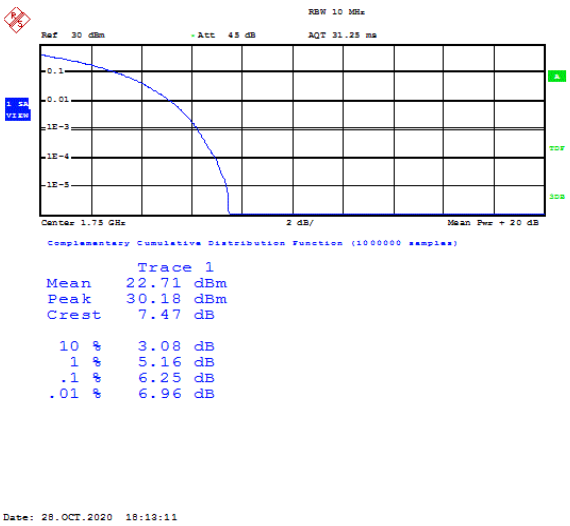

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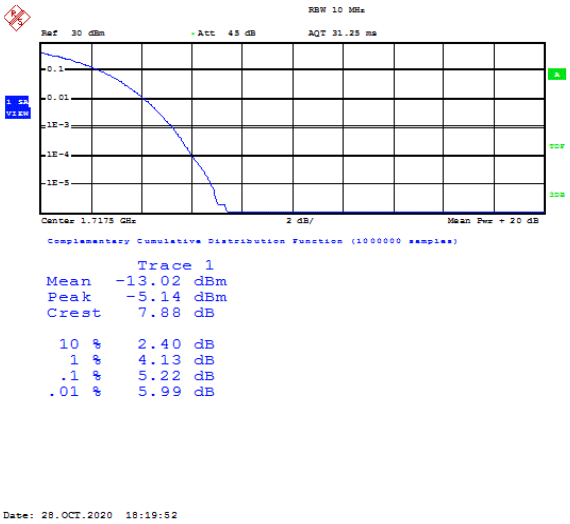

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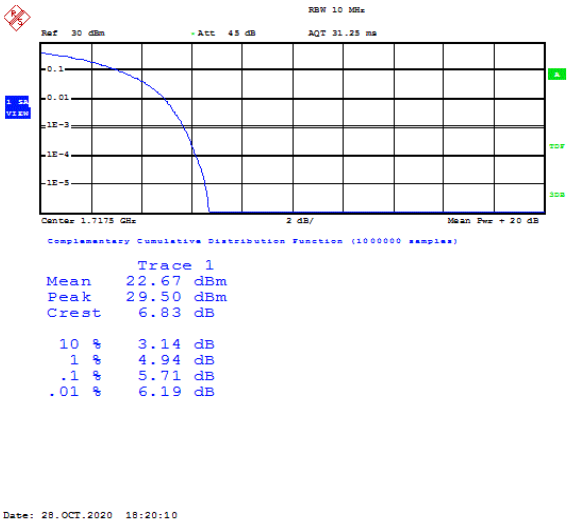

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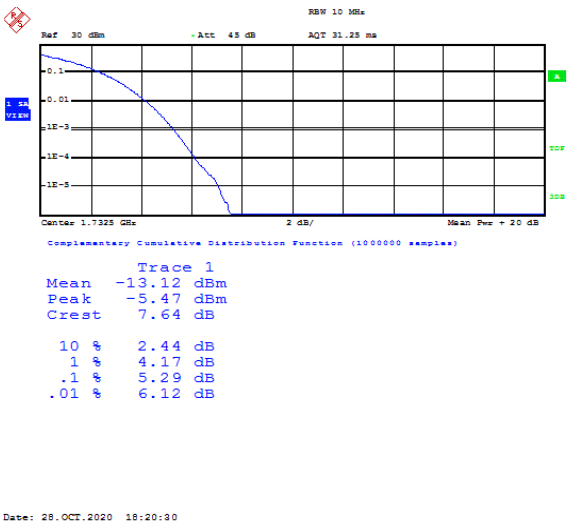

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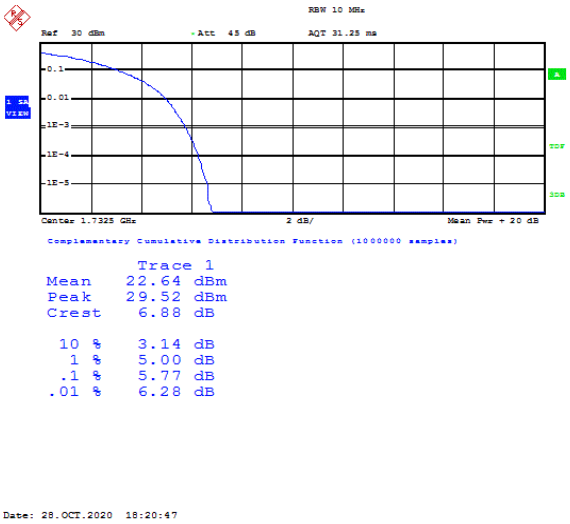

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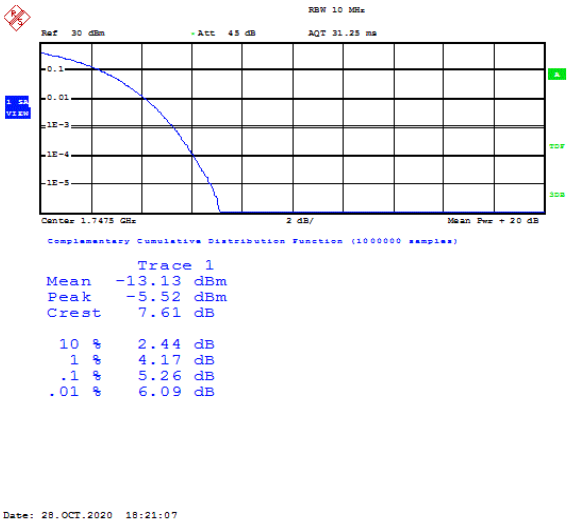

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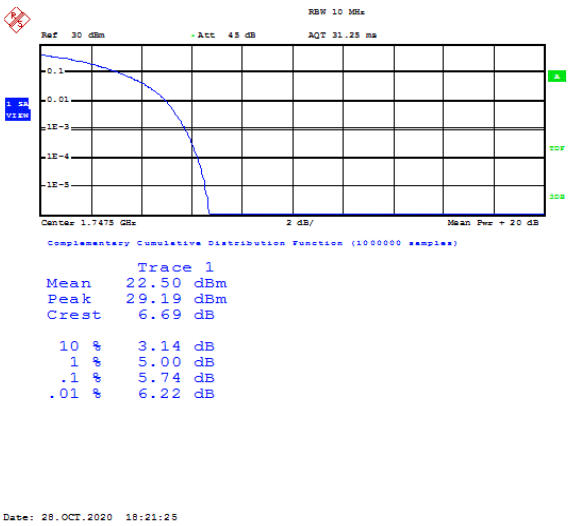

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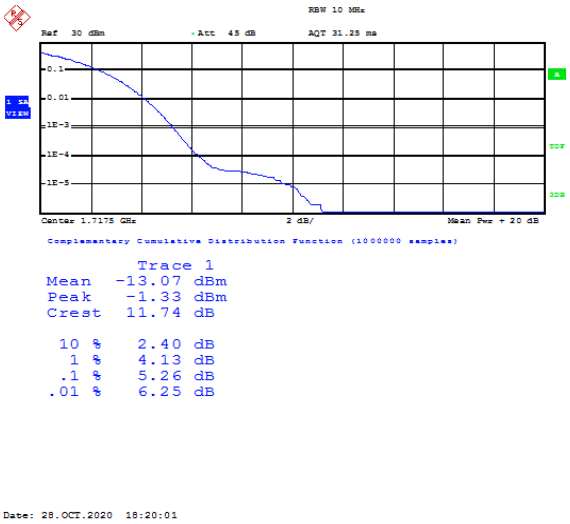

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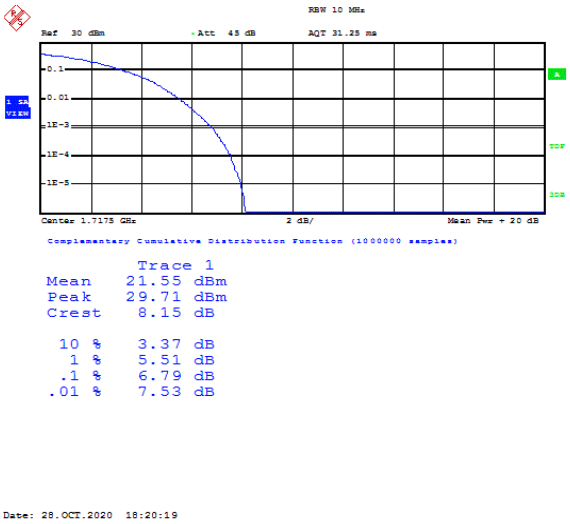

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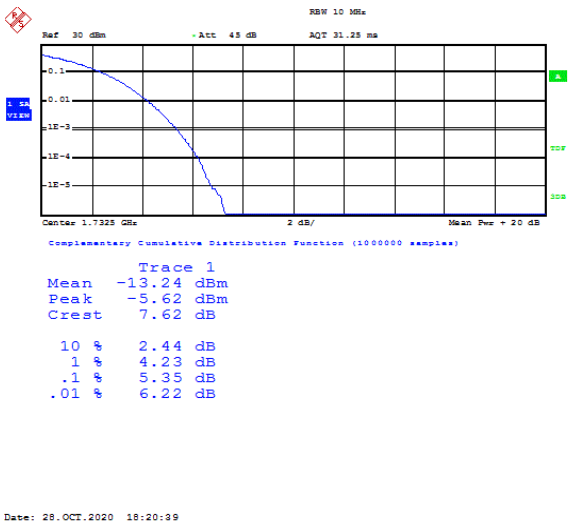

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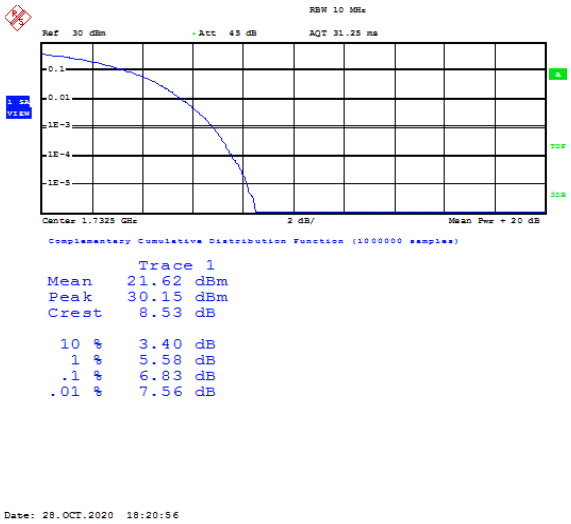

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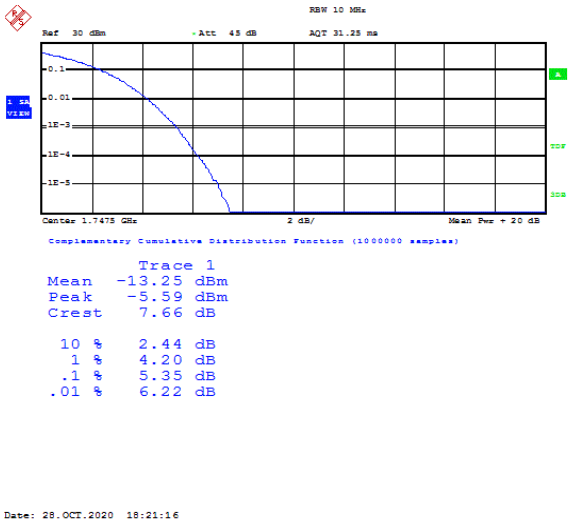

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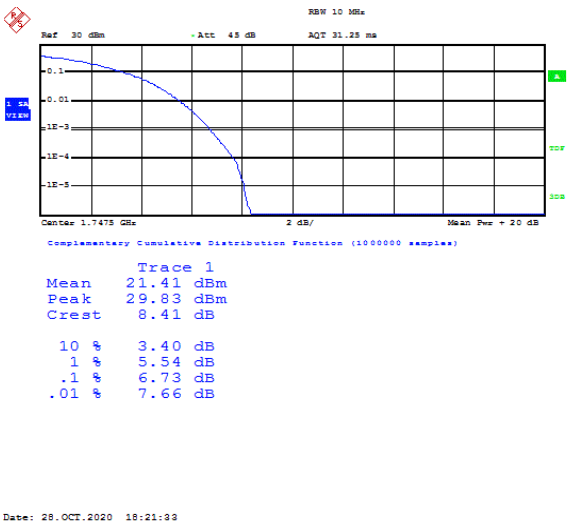

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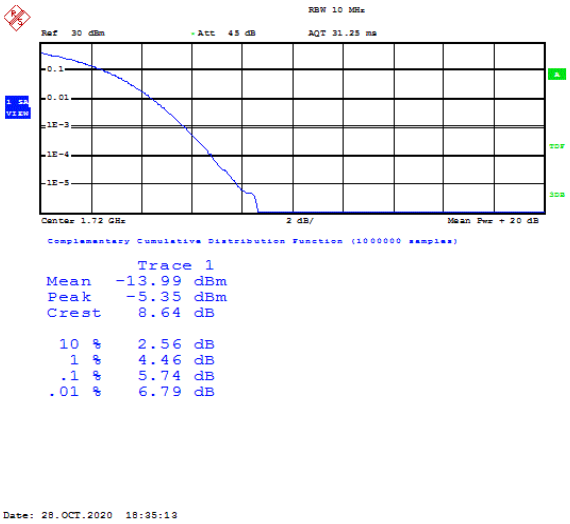

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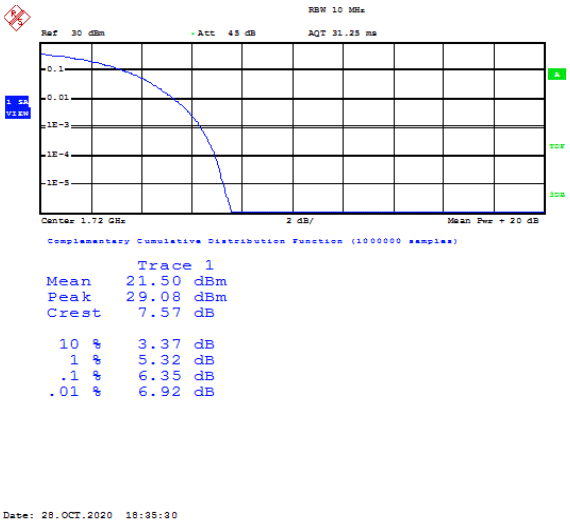

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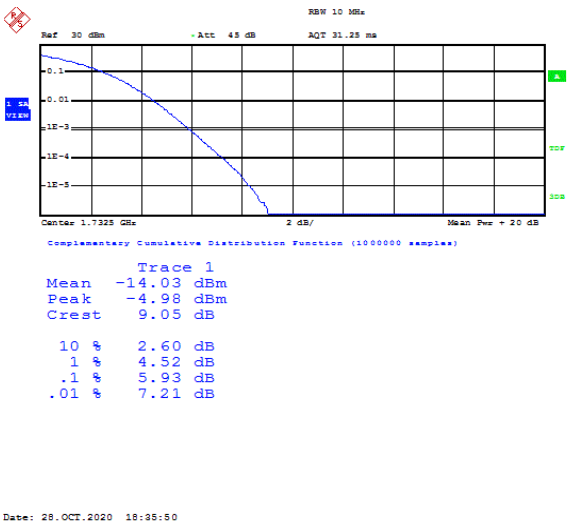

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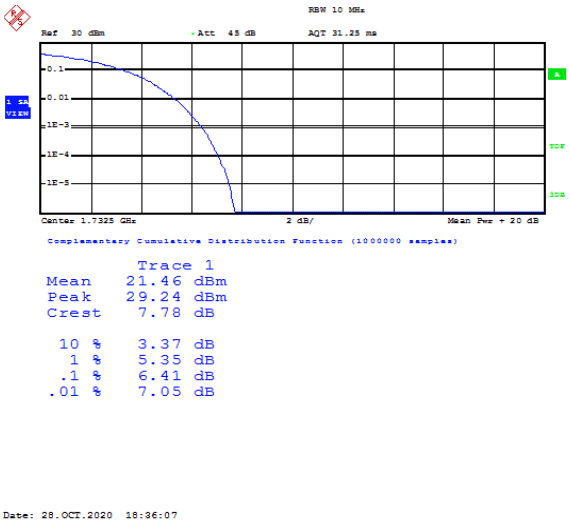

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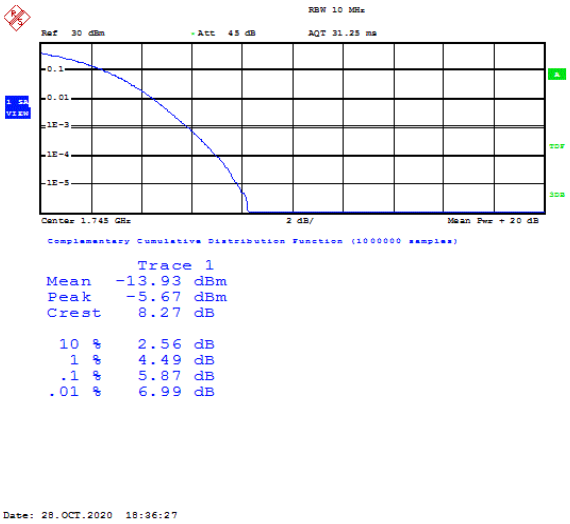

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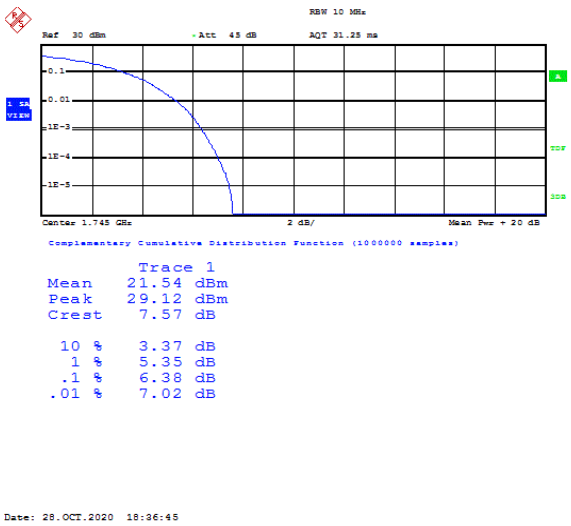

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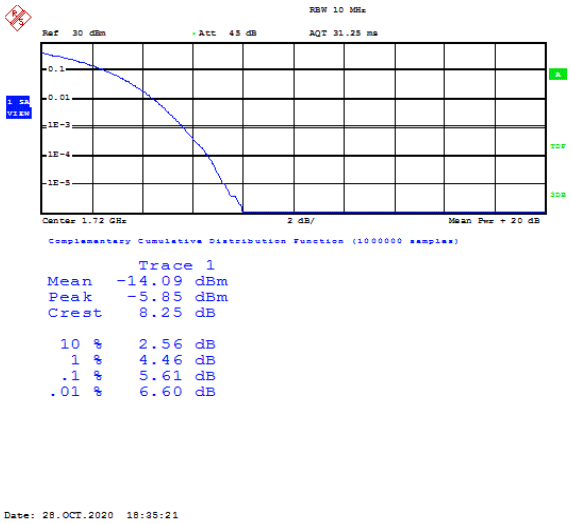

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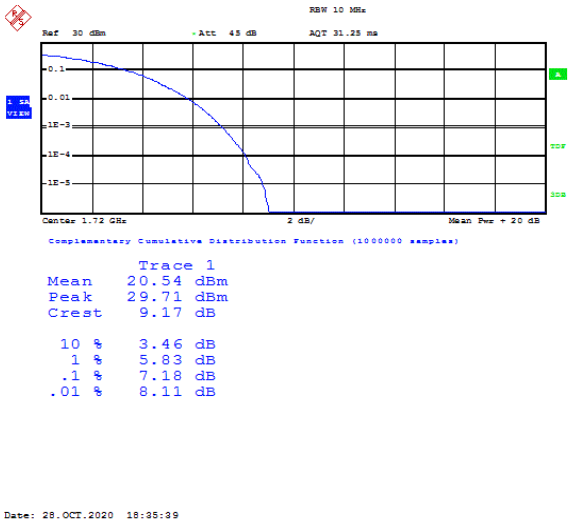

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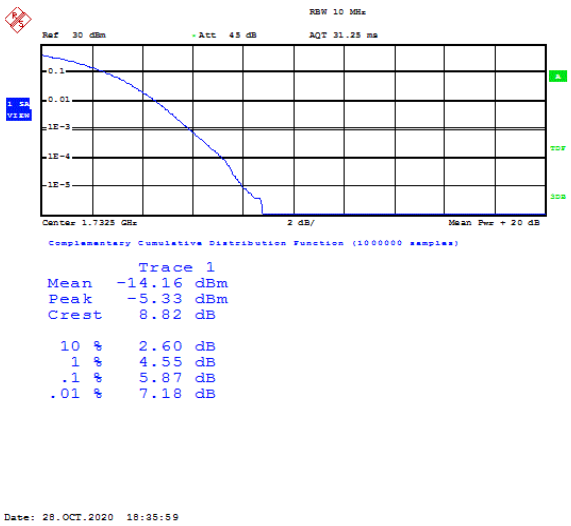

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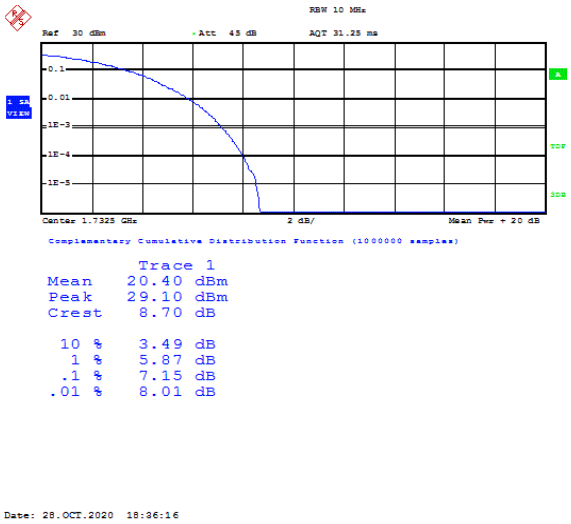

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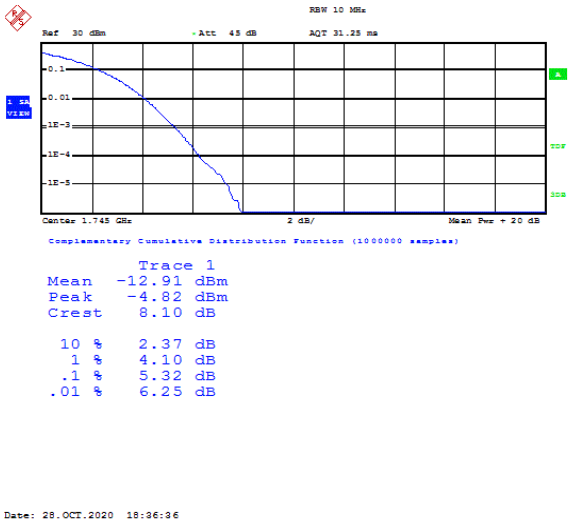

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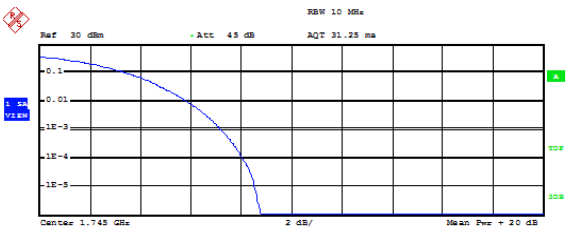


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	20.54 dBm
Peak	29.33 dBm
Crest	8.78 dB
10 %	3.46 dB
1 %	5.83 dB
.1 %	7.18 dB
.01 %	8.04 dB

Date: 28.OCT.2020 18:36:53

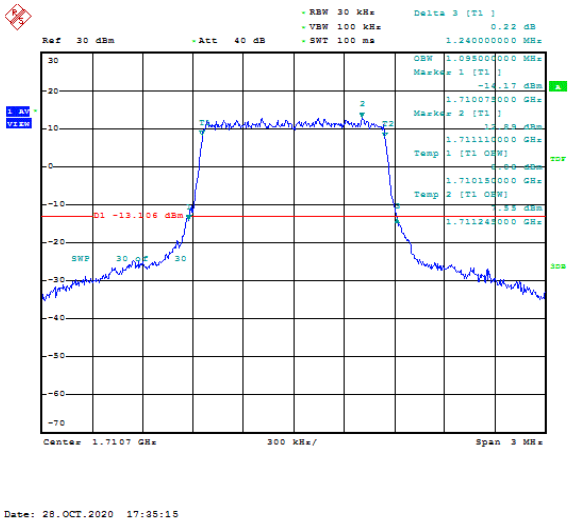
1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.095	1.240	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.095	1.240	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.095	1.255	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.09	1.215	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.095	1.225	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.095	1.260	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.692	2.962	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7	2.880	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.71	2.900	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.69	2.870	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7	2.890	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7	2.870	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.503	4.984	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5	4.800	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5	4.790	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.51	4.790	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.51	4.770	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.51	4.780	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.006	9.808	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.967	9.633	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.967	9.633	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.967	9.633	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.967	9.633	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.967	9.667	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.51	14.567	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.45	14.500	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.45	14.500	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.45	14.450	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.45	14.550	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.45	14.500	PASS
Band4	20MHz	QPSK	20050	100RB#0	18	19.533	PASS
Band4	20MHz	QPSK	20175	100RB#0	18	19.600	PASS
Band4	20MHz	QPSK	20300	100RB#0	18	19.533	PASS

Band4	20MHz	16QAM	20050	100RB#0	18	19.533	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.067	19.600	PASS
Band4	20MHz	16QAM	20300	100RB#0	18	19.600	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0-1.095


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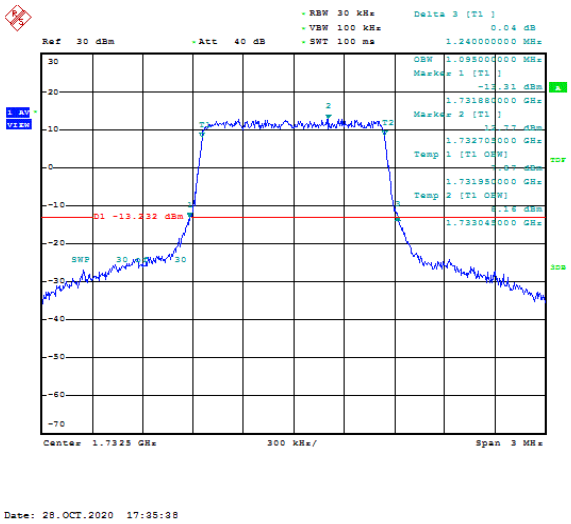
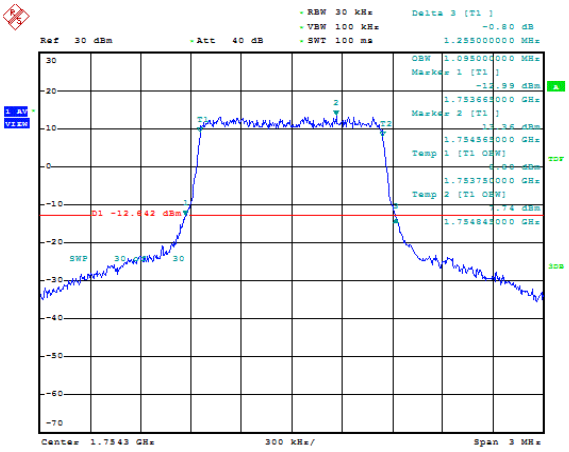


Band4-1.4MHz-QPSK-20393-6RB#0-1.095



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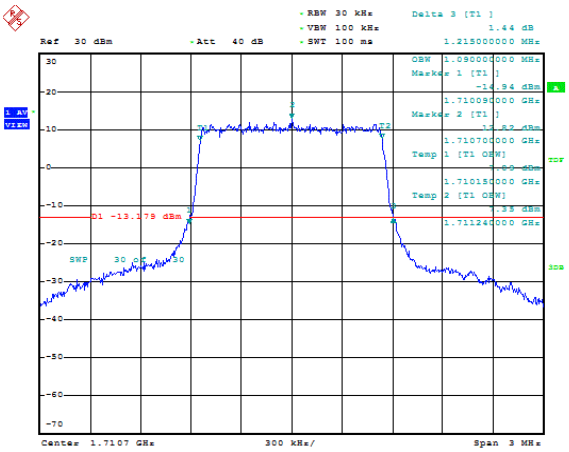

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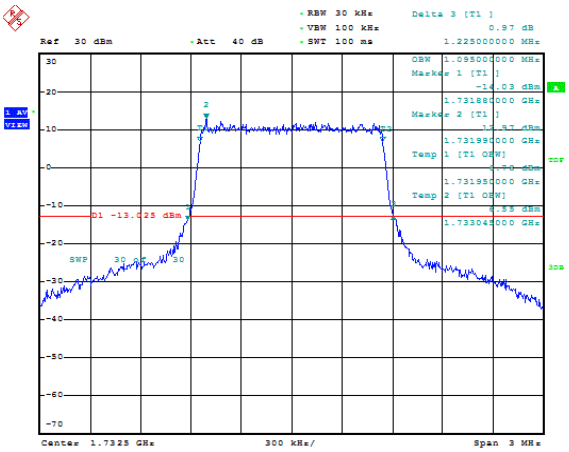

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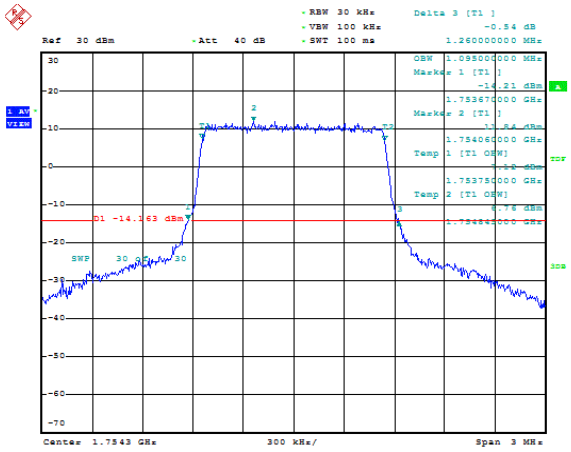

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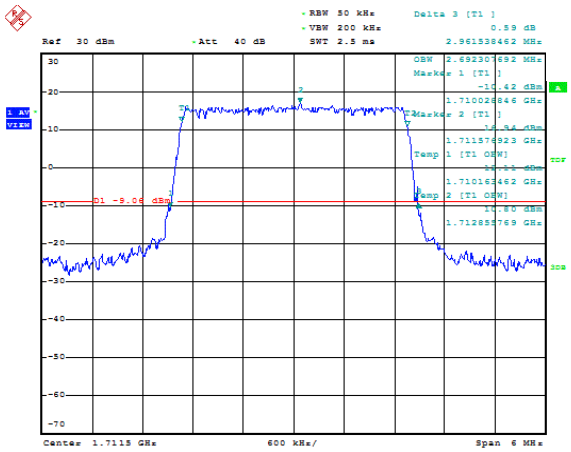
Band4-3MHz-QPSK-19965-15RB#0-2.692



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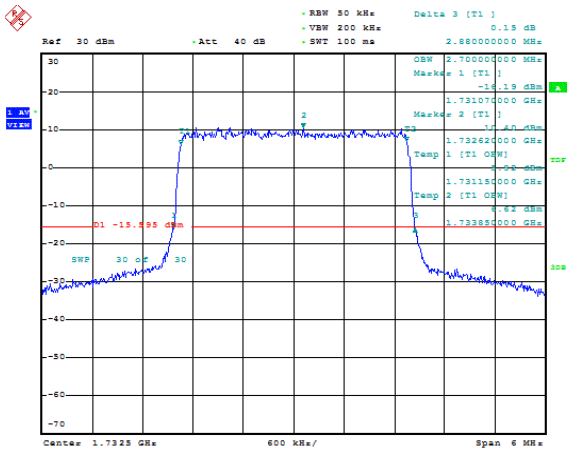

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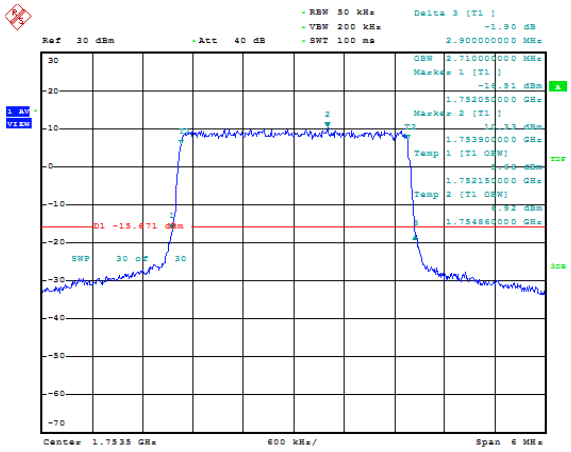
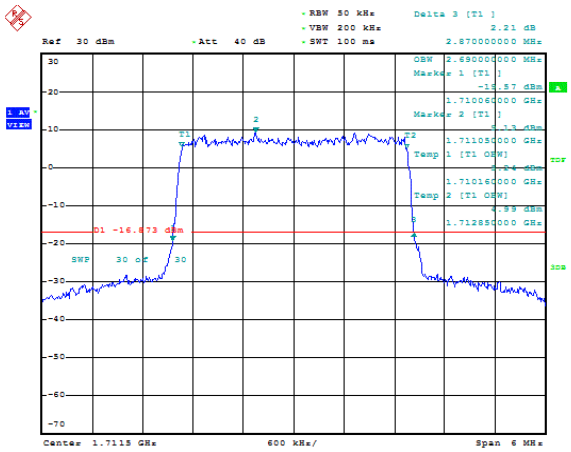
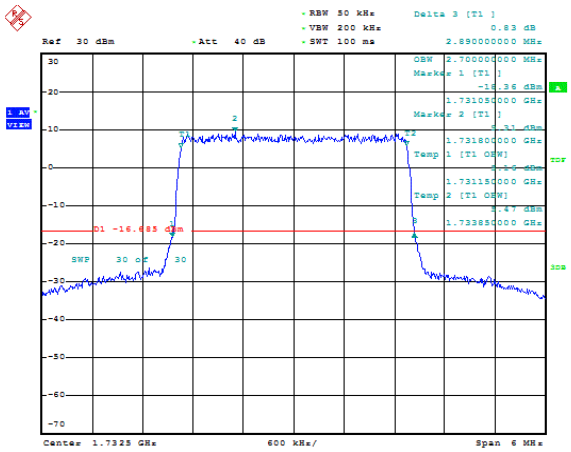


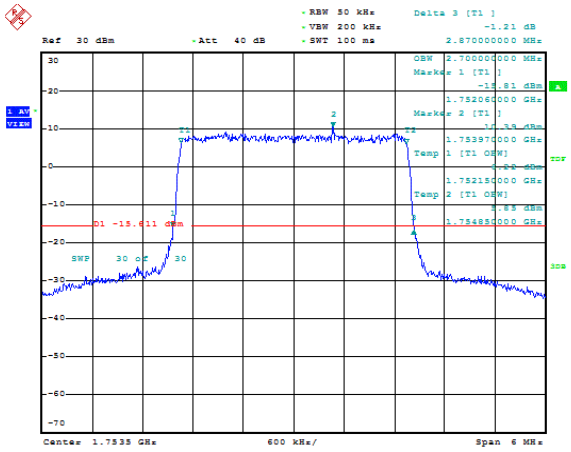
Band4-3MHz-16QAM-19965-15RB#0-2.69



Band4-3MHz-16QAM-20175-15RB#0-2.7



Band4-3MHz-16QAM-20385-15RB#0-2.7



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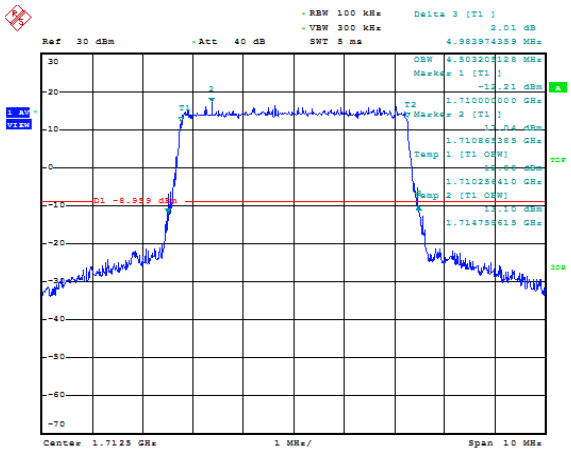

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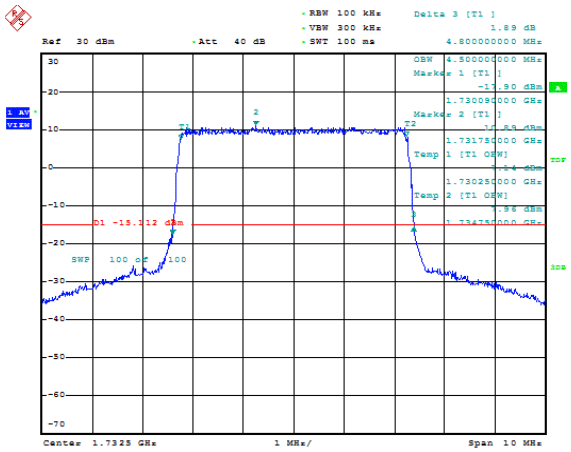
Band4-5MHz-QPSK-20175-25RB#0-4.5



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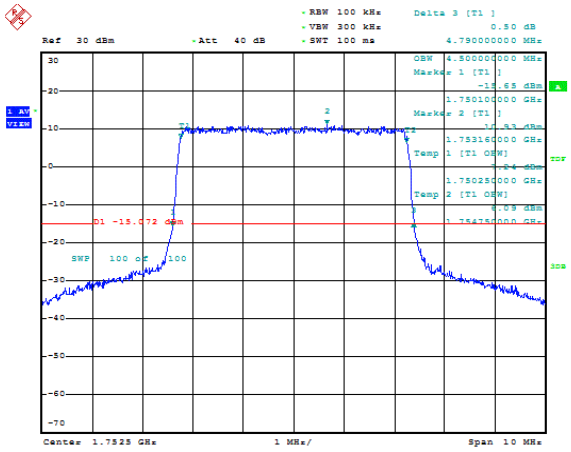

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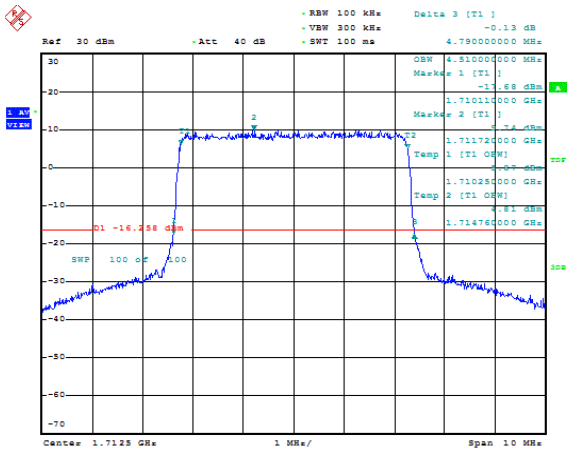

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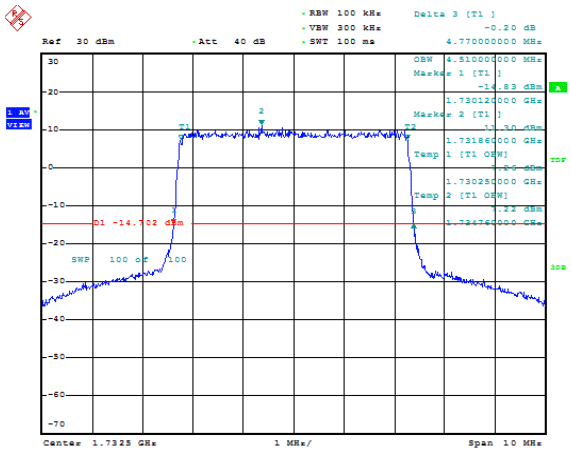

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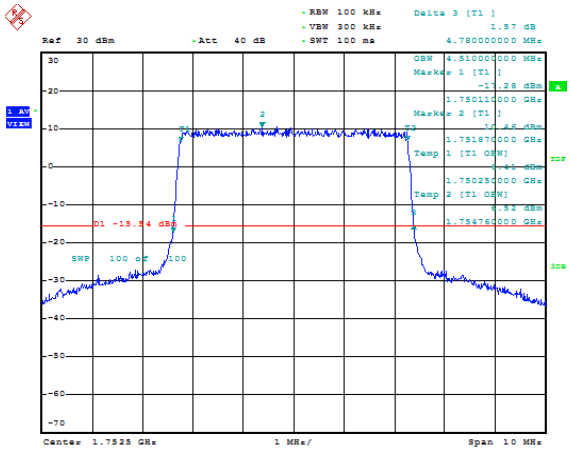
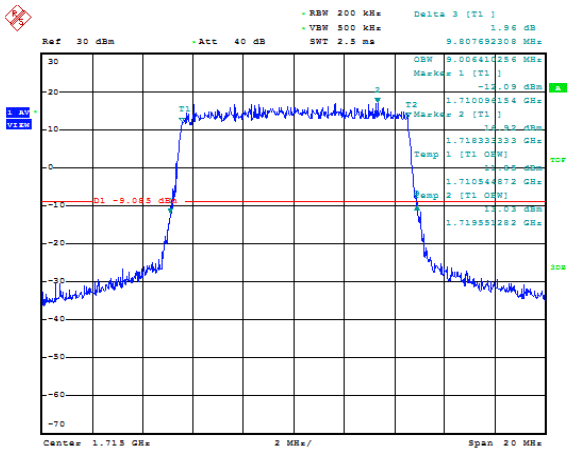
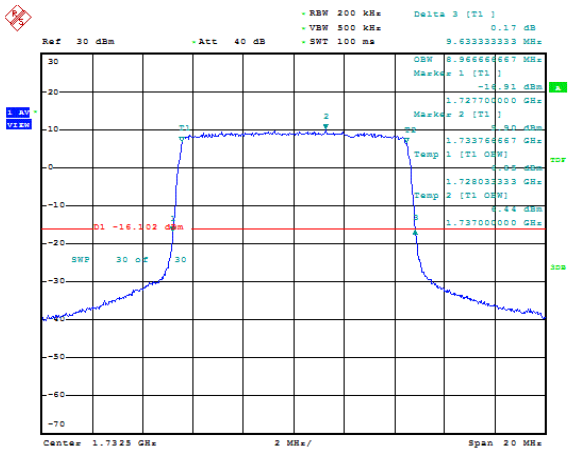


Band4-10MHz-QPSK-20000-50RB#0-9.006



Band4-10MHz-QPSK-20175-50RB#0-8.967



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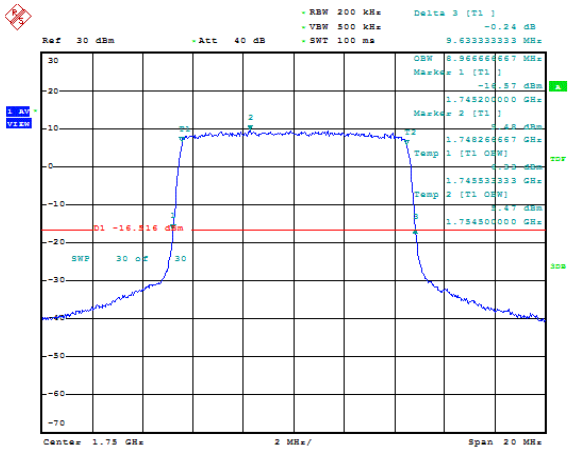

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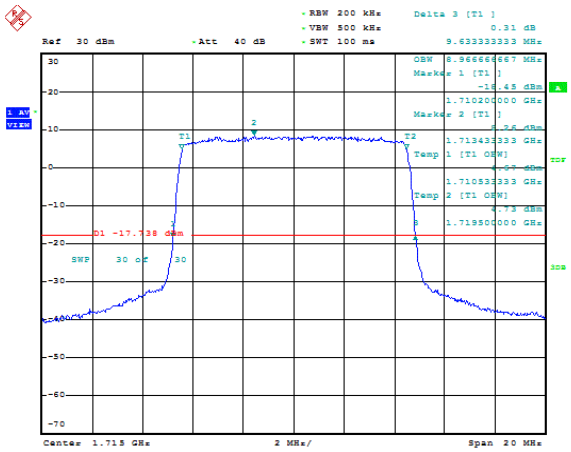

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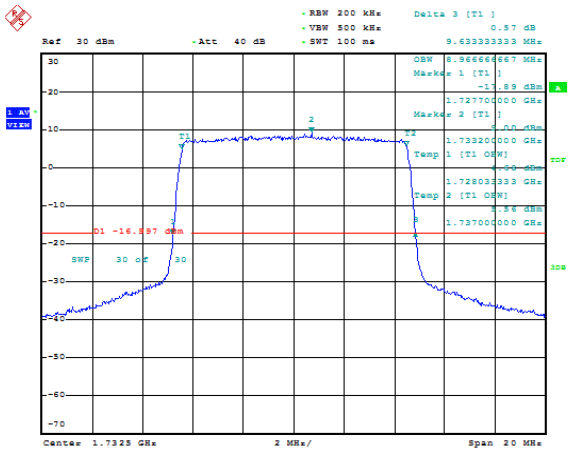

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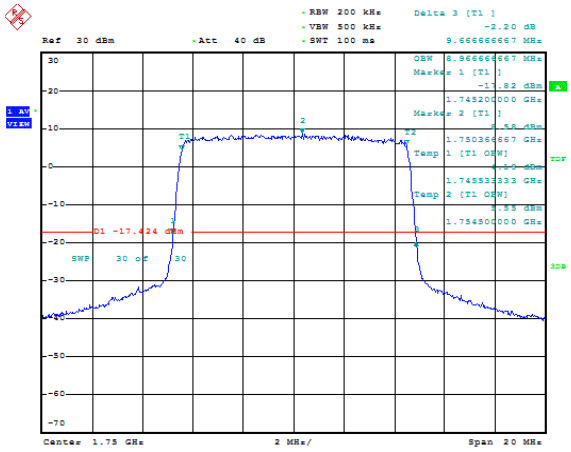

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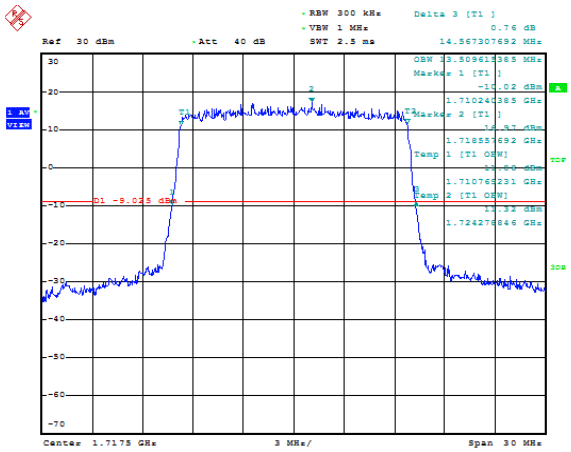
Band4-15MHz-QPSK-20025-75RB#0-13.51



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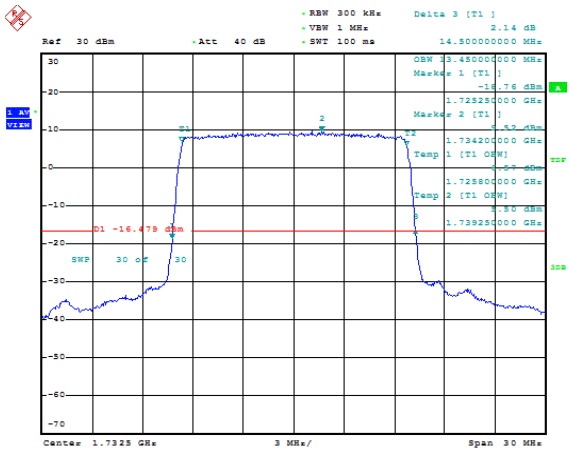

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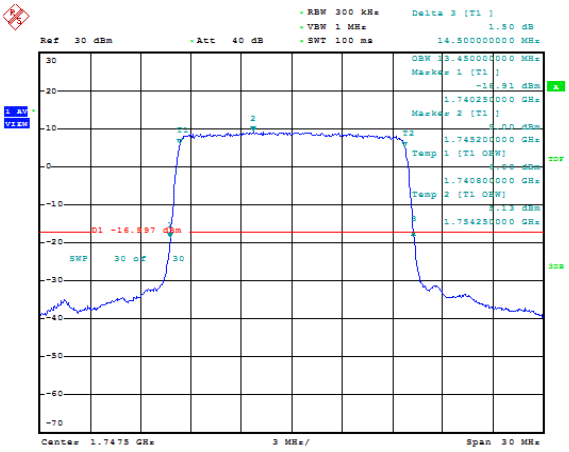

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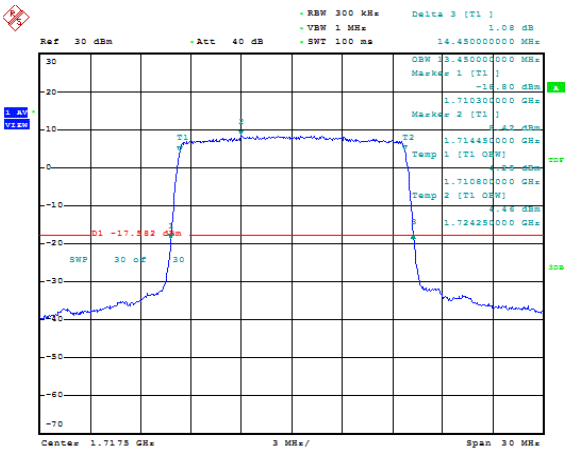
Band4-15MHz-16QAM-20025-75RB#0-13.45



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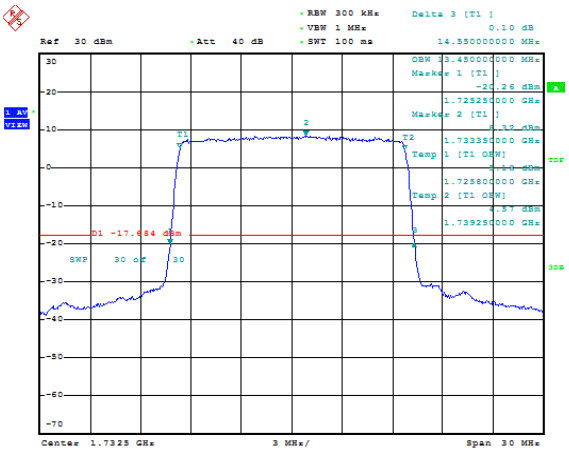

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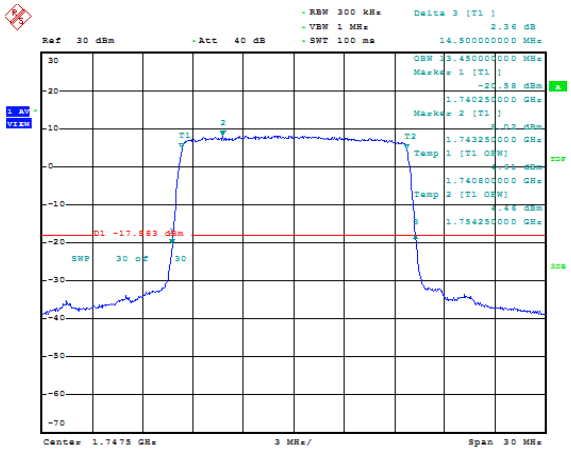
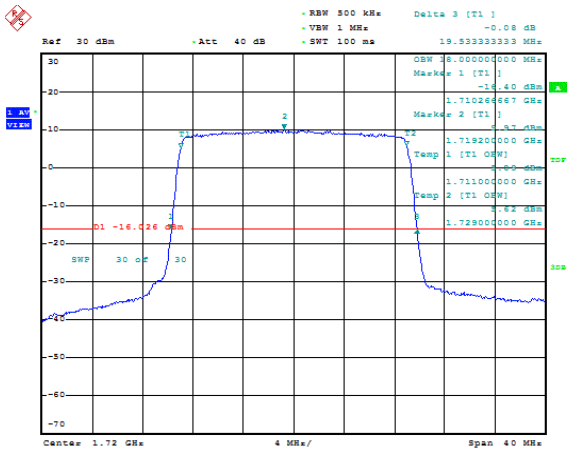


Band4-20MHz-QPSK-20050-100RB#0-18



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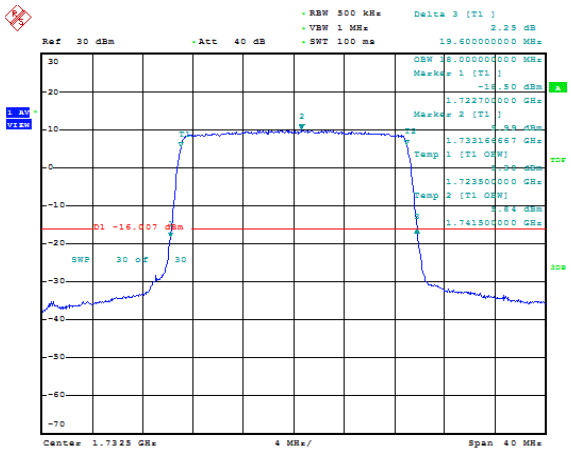
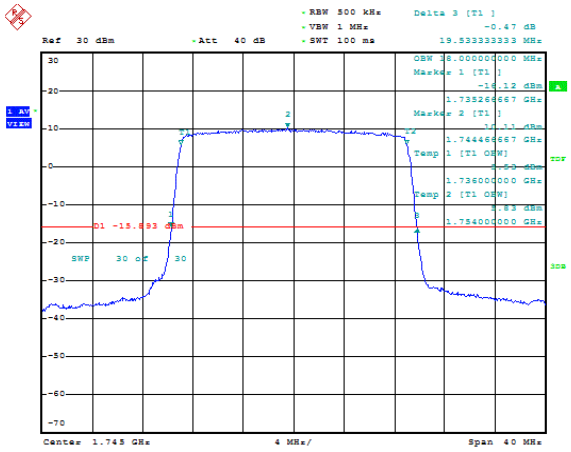


Band4-20MHz-QPSK-20300-100RB#0-18



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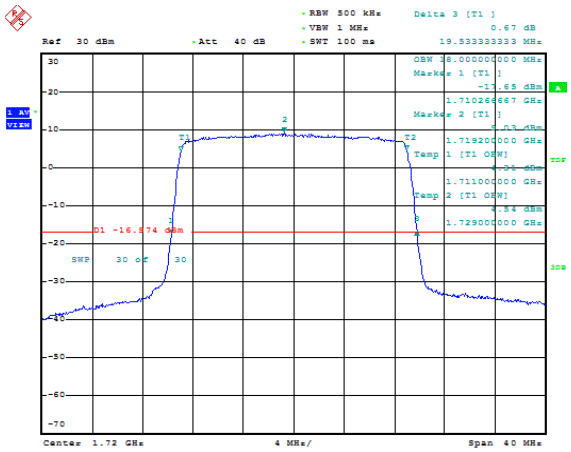

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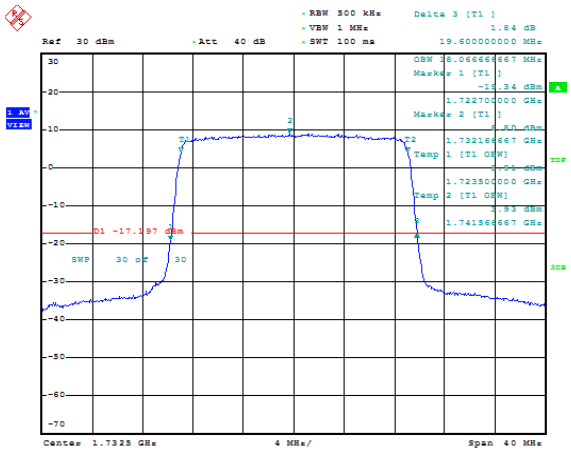

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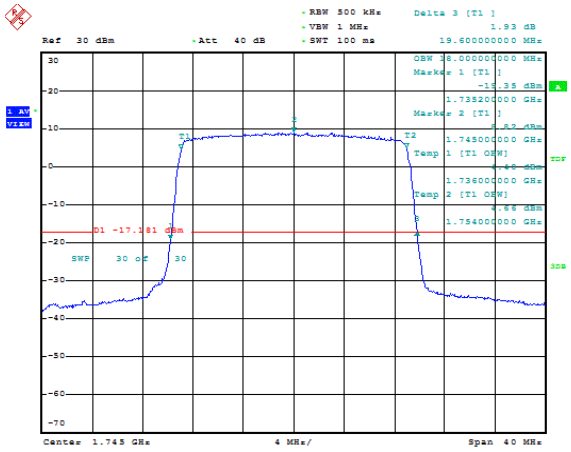
Band4-20MHz-16QAM-20300-100RB#0-18



Date: 28.OCT.2020 18:30:12

1.4. Appendix D: Band Edge

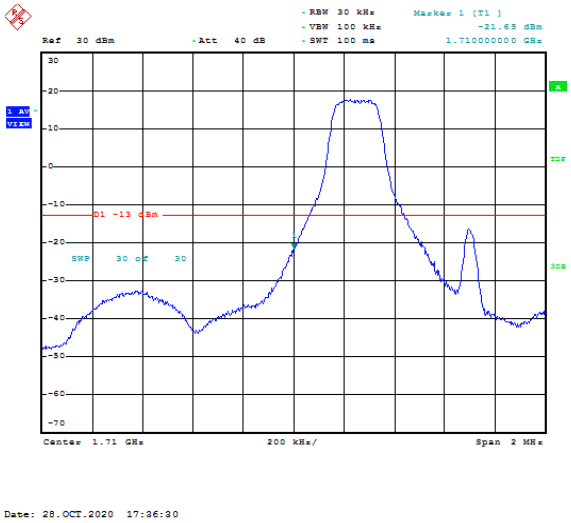
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-21.65	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-37.38	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-24.81	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-33.92	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-22.77	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-24.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-22.81	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-38.29	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-26.16	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-36.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-23.50	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-25.43	PASS
Band4	3MHz	QPSK	19965	1RB#0	-19.70	PASS
Band4	3MHz	QPSK	19965	1RB#14	-42.37	PASS
Band4	3MHz	QPSK	19965	15RB#0	-25.07	PASS
Band4	3MHz	QPSK	20385	1RB#0	-43.19	PASS
Band4	3MHz	QPSK	20385	1RB#14	-19.35	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.70	PASS
Band4	3MHz	16QAM	19965	1RB#0	-20.35	PASS
Band4	3MHz	16QAM	19965	1RB#14	-43.95	PASS
Band4	3MHz	16QAM	19965	15RB#0	-27.32	PASS
Band4	3MHz	16QAM	20385	1RB#0	-43.75	PASS
Band4	3MHz	16QAM	20385	1RB#14	-21.65	PASS
Band4	3MHz	16QAM	20385	15RB#0	-26.31	PASS
Band4	5MHz	QPSK	19975	1RB#0	-21.92	PASS
Band4	5MHz	QPSK	19975	1RB#24	-48.19	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.84	PASS
Band4	5MHz	QPSK	20375	1RB#0	-47.80	PASS
Band4	5MHz	QPSK	20375	1RB#24	-21.67	PASS
Band4	5MHz	QPSK	20375	25RB#0	-26.13	PASS
Band4	5MHz	16QAM	19975	1RB#0	-23.82	PASS
Band4	5MHz	16QAM	19975	1RB#24	-48.19	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.86	PASS

Band4	5MHz	16QAM	20375	1RB#0	-48.08	PASS
Band4	5MHz	16QAM	20375	1RB#24	-21.80	PASS
Band4	5MHz	16QAM	20375	25RB#0	-27.24	PASS
Band4	10MHz	QPSK	20000	1RB#0	-27.41	PASS
Band4	10MHz	QPSK	20000	1RB#49	-58.09	PASS
Band4	10MHz	QPSK	20000	50RB#0	-28.54	PASS
Band4	10MHz	QPSK	20350	1RB#0	-58.04	PASS
Band4	10MHz	QPSK	20350	1RB#49	-25.83	PASS
Band4	10MHz	QPSK	20350	50RB#0	-27.49	PASS
Band4	10MHz	16QAM	20000	1RB#0	-28.37	PASS
Band4	10MHz	16QAM	20000	1RB#49	-58.51	PASS
Band4	10MHz	16QAM	20000	50RB#0	-29.75	PASS
Band4	10MHz	16QAM	20350	1RB#0	-58.45	PASS
Band4	10MHz	16QAM	20350	1RB#49	-26.19	PASS
Band4	10MHz	16QAM	20350	50RB#0	-28.38	PASS
Band4	15MHz	QPSK	20025	1RB#0	-25.49	PASS
Band4	15MHz	QPSK	20025	1RB#74	-57.87	PASS
Band4	15MHz	QPSK	20025	75RB#0	-29.71	PASS
Band4	15MHz	QPSK	20325	1RB#0	-57.54	PASS
Band4	15MHz	QPSK	20325	1RB#74	-23.32	PASS
Band4	15MHz	QPSK	20325	75RB#0	-28.58	PASS
Band4	15MHz	16QAM	20025	1RB#0	-26.64	PASS
Band4	15MHz	16QAM	20025	1RB#74	-58.22	PASS
Band4	15MHz	16QAM	20025	75RB#0	-30.93	PASS
Band4	15MHz	16QAM	20325	1RB#0	-58.26	PASS
Band4	15MHz	16QAM	20325	1RB#74	-24.63	PASS
Band4	15MHz	16QAM	20325	75RB#0	-29.86	PASS
Band4	20MHz	QPSK	20050	1RB#0	-17.41	PASS
Band4	20MHz	QPSK	20050	1RB#99	-54.87	PASS
Band4	20MHz	QPSK	20050	100RB#0	-24.94	PASS
Band4	20MHz	QPSK	20300	1RB#0	-54.47	PASS
Band4	20MHz	QPSK	20300	1RB#99	-15.56	PASS
Band4	20MHz	QPSK	20300	100RB#0	-23.96	PASS
Band4	20MHz	16QAM	20050	1RB#0	-18.92	PASS
Band4	20MHz	16QAM	20050	1RB#99	-55.32	PASS
Band4	20MHz	16QAM	20050	100RB#0	-26.29	PASS
Band4	20MHz	16QAM	20300	1RB#0	-55.62	PASS
Band4	20MHz	16QAM	20300	1RB#99	-16.65	PASS

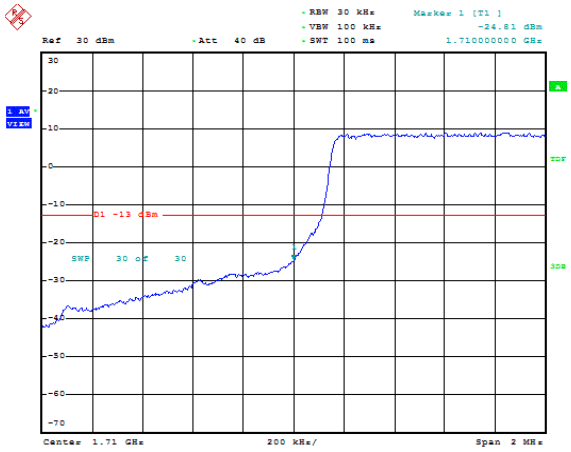
Band4	20MHz	16QAM	20300	100RB#0	-25.11	PASS

Test Graphs

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


Band4-1.4MHz-QPSK-19957-1RB#5

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



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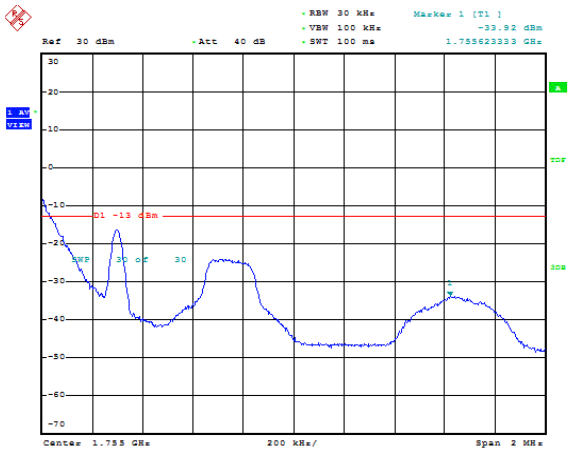
Band4-1.4MHz-QPSK-20393-1RB#0



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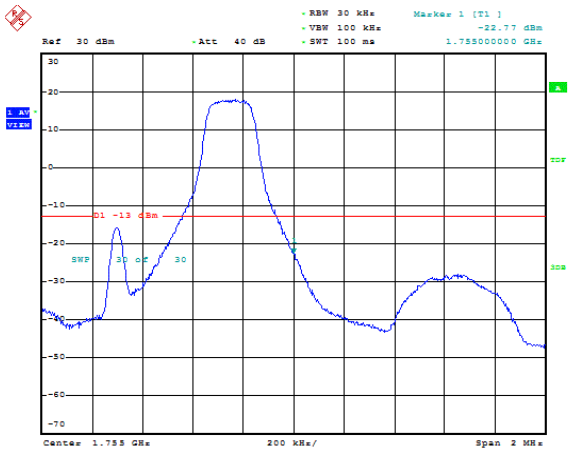

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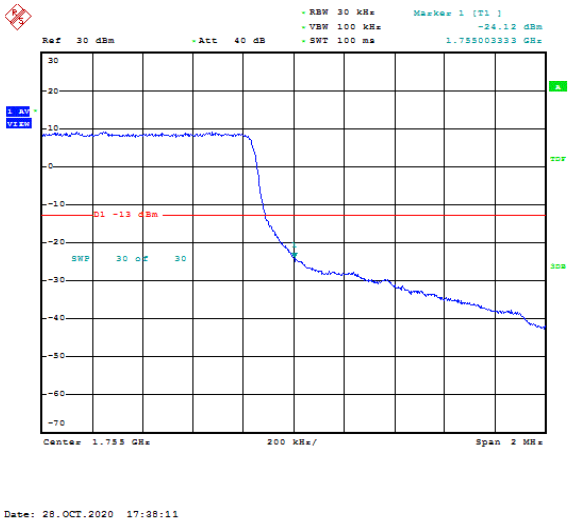

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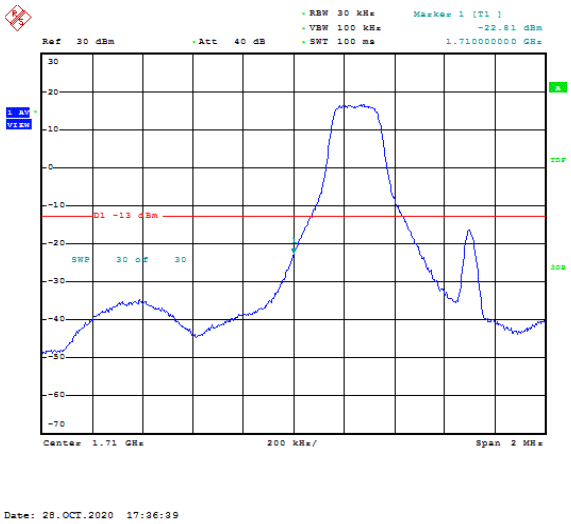

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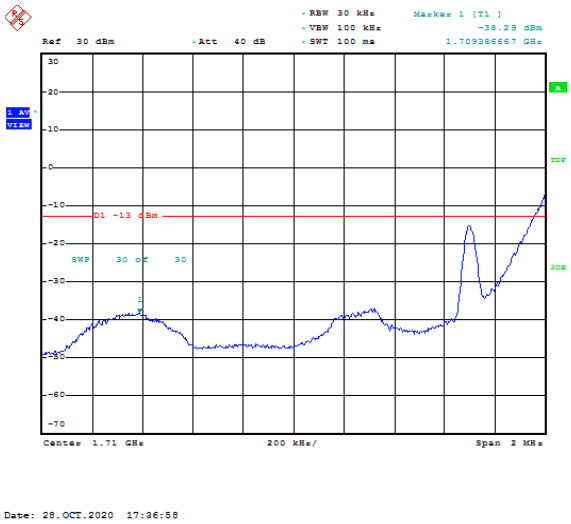

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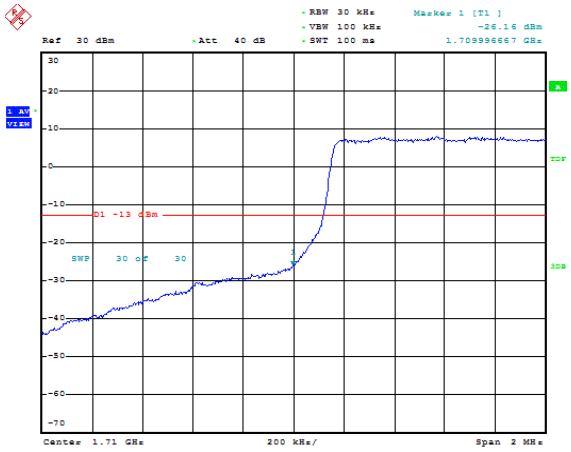

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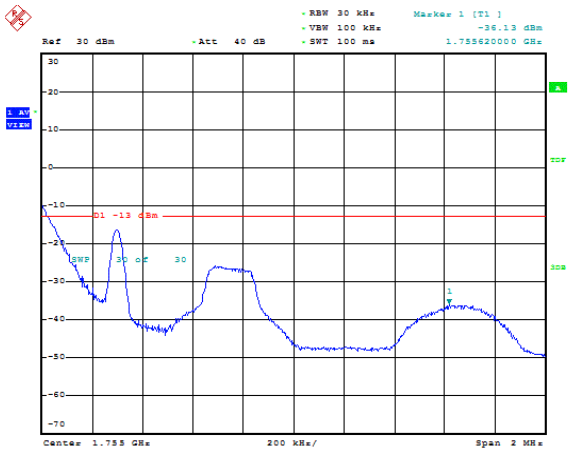

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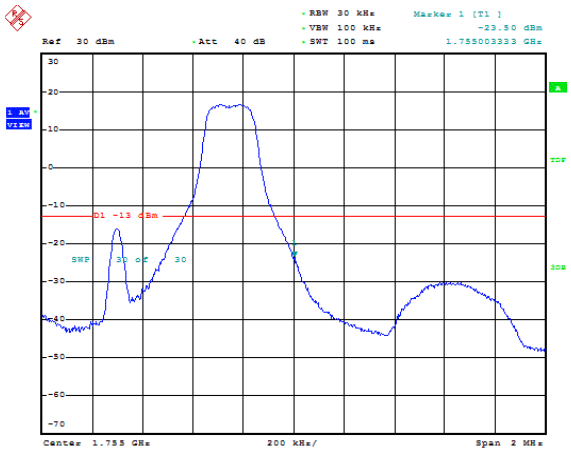
Band4-1.4MHz-16QAM-20393-1RB#5



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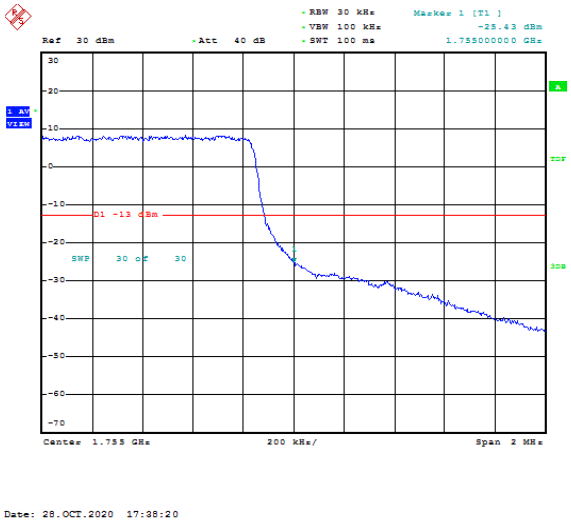

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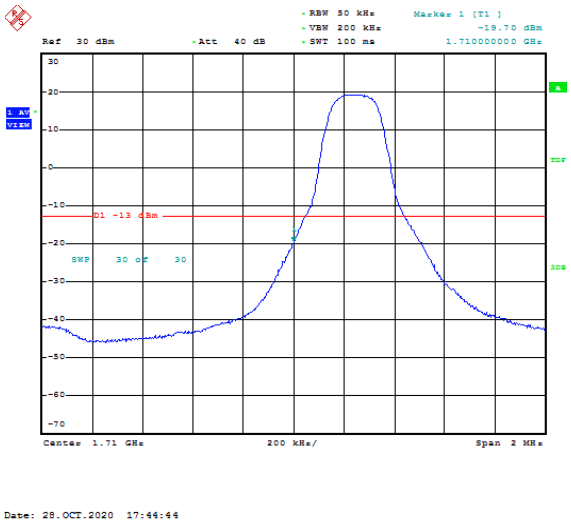

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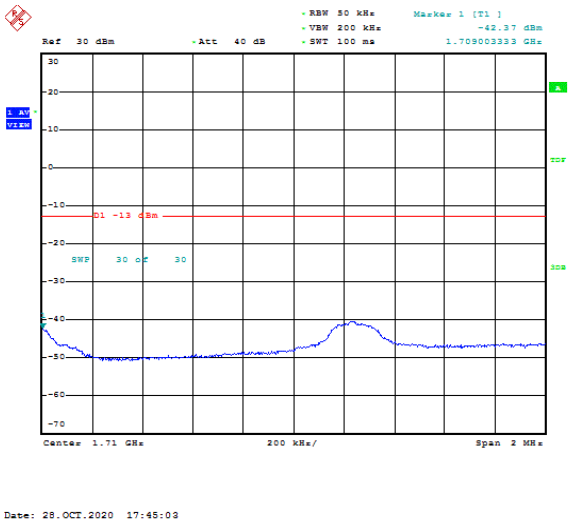

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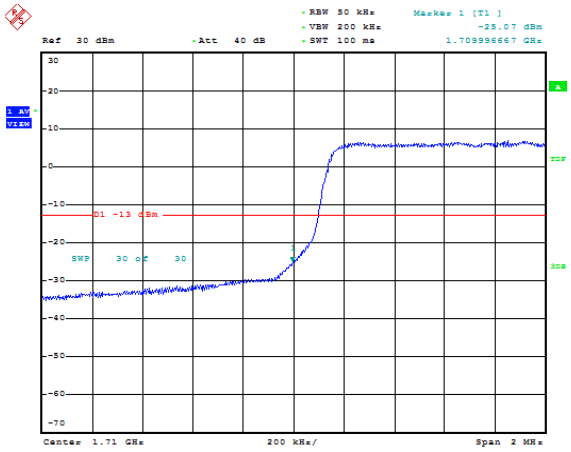

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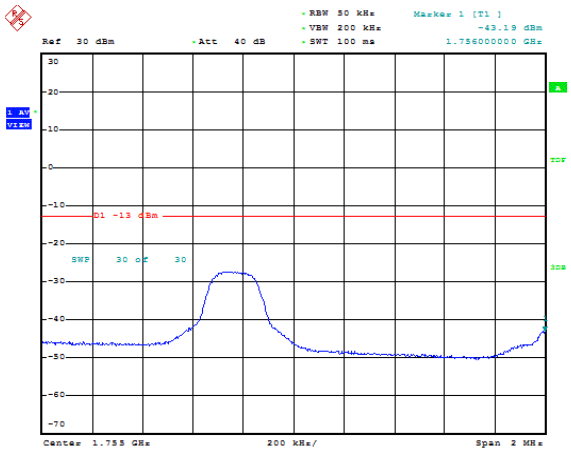

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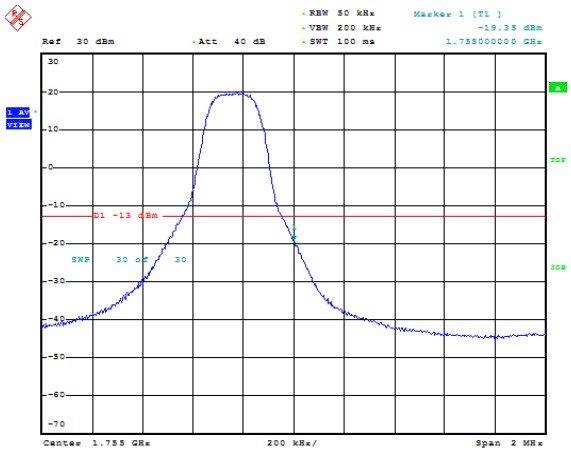

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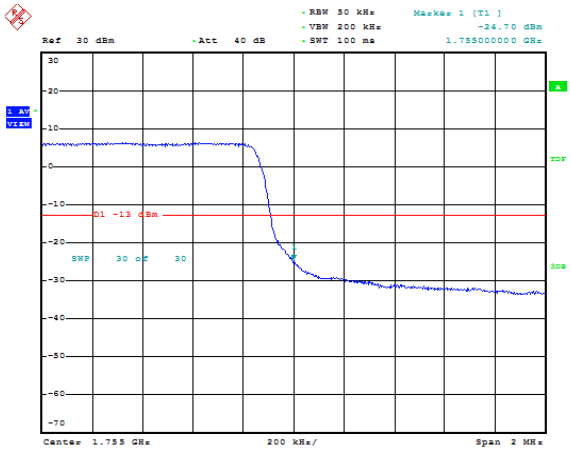

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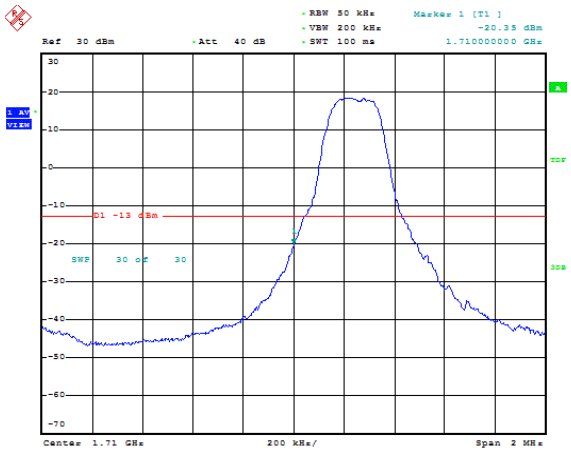

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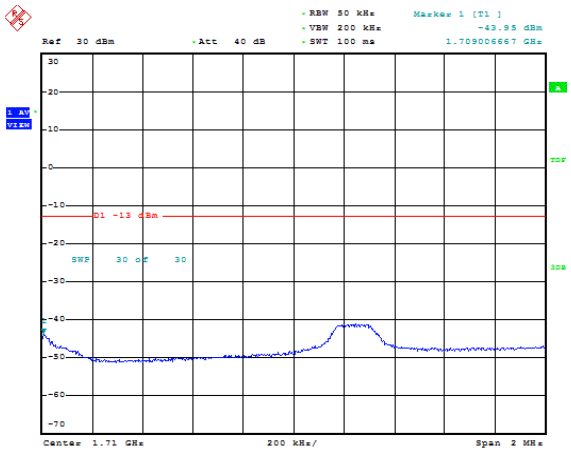

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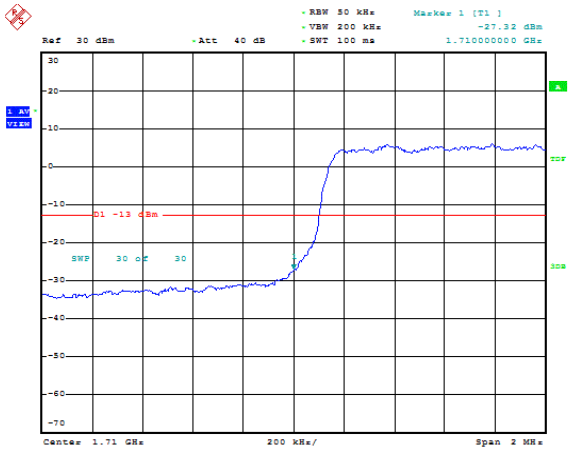

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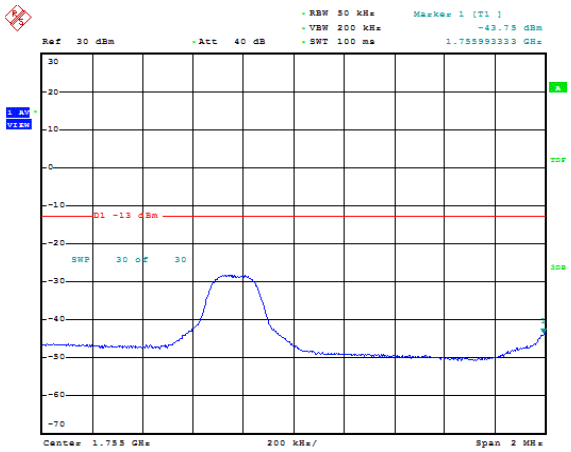

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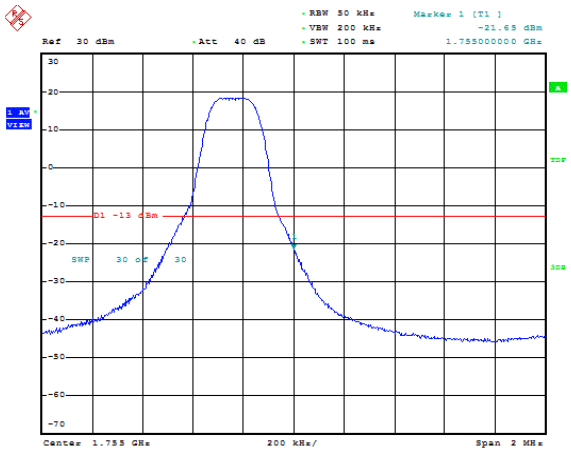

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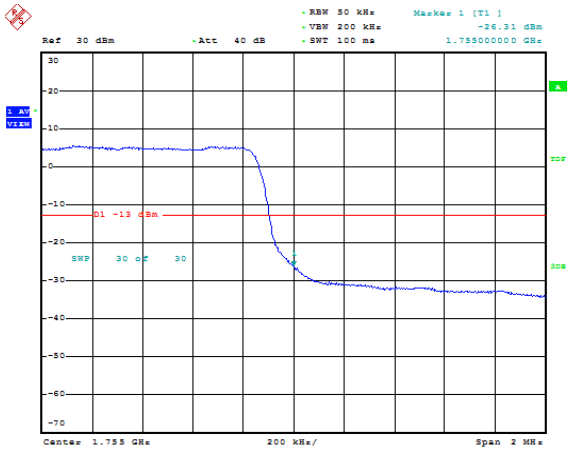

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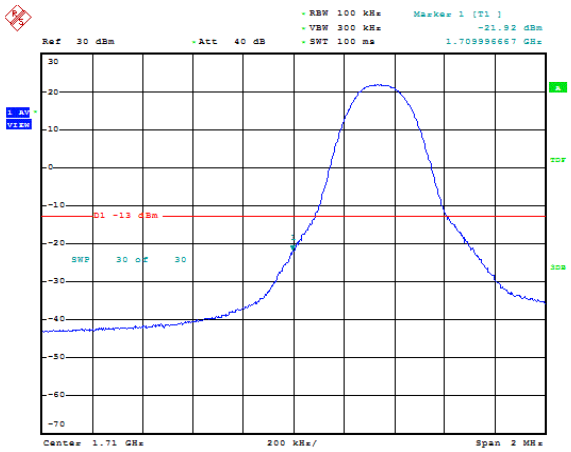

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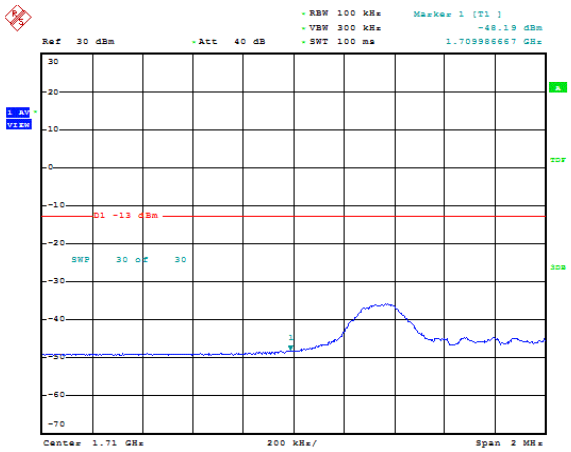

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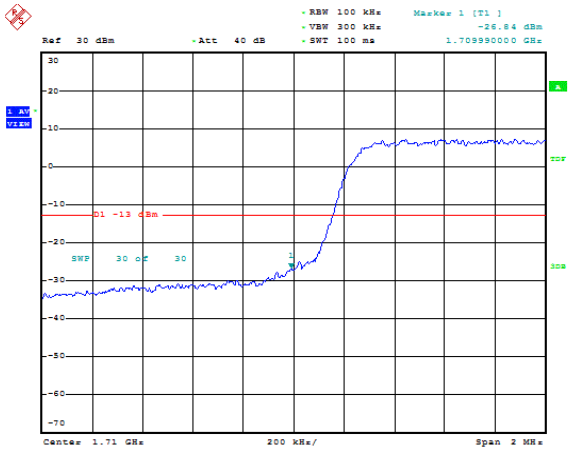
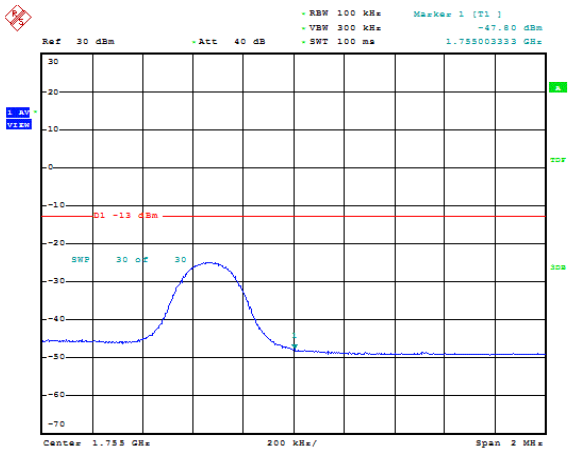


Date: 28.OCT.2020 17:54:18

Band4-5MHz-QPSK-20375-1RB#0



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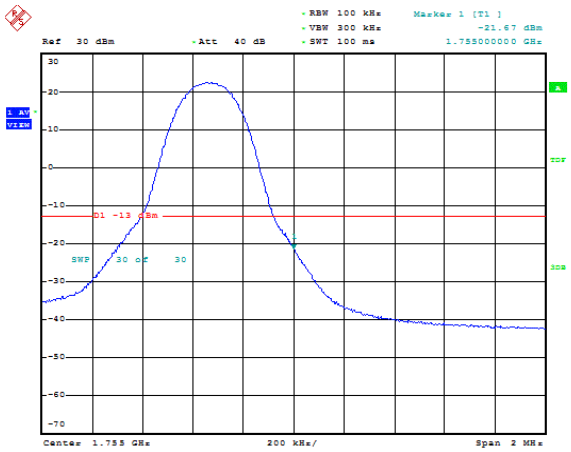
Band4-5MHz-QPSK-20375-1RB#24



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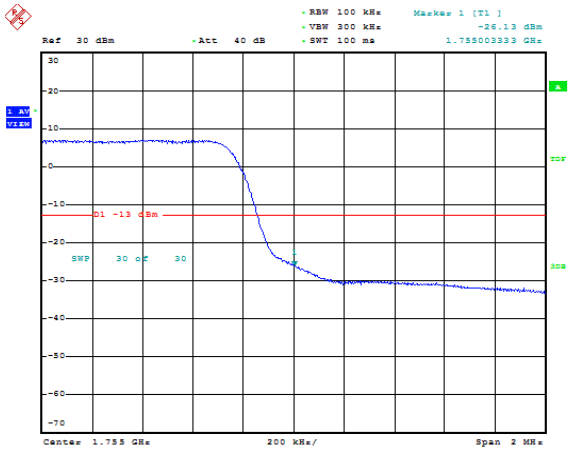

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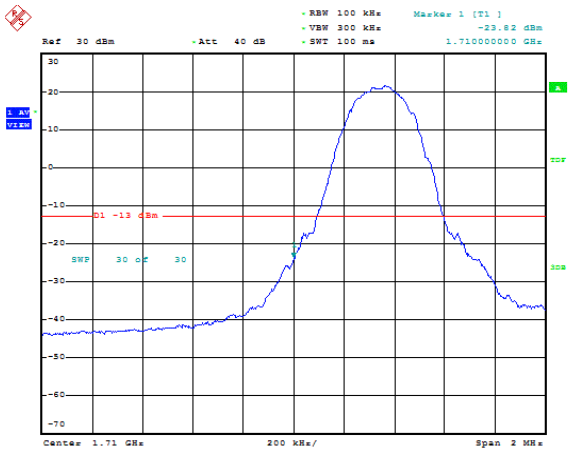

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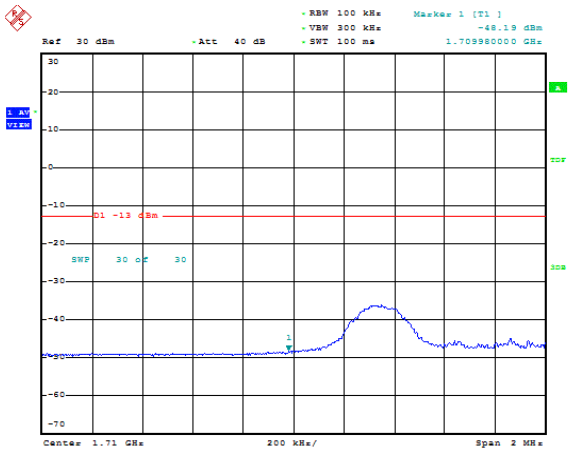

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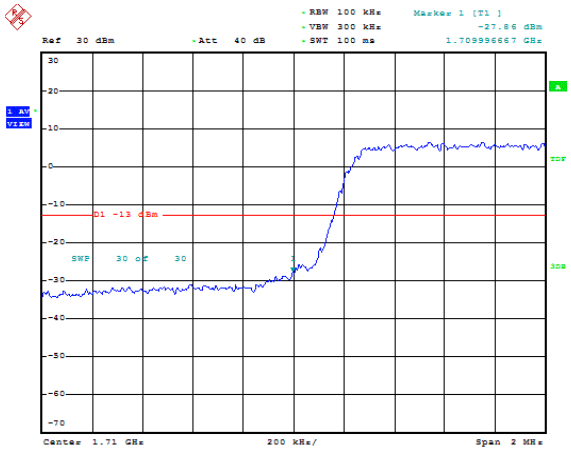

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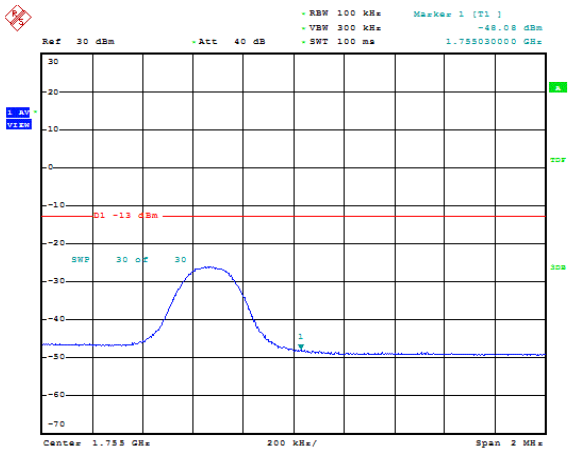

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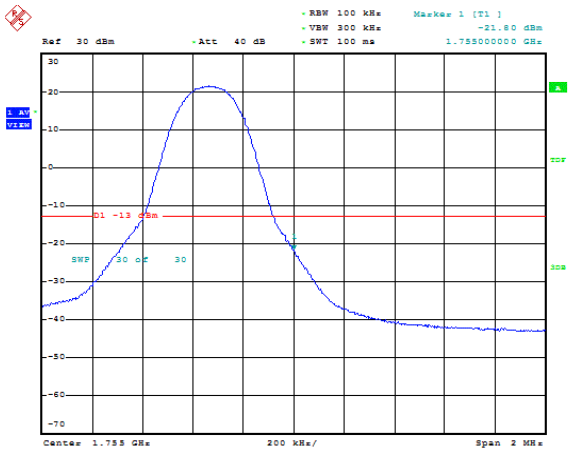

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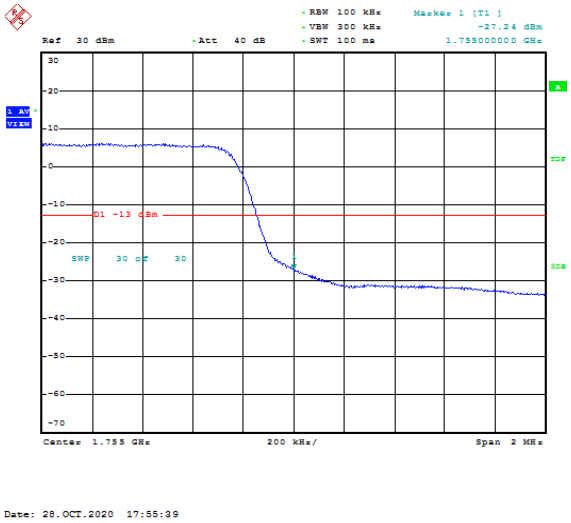
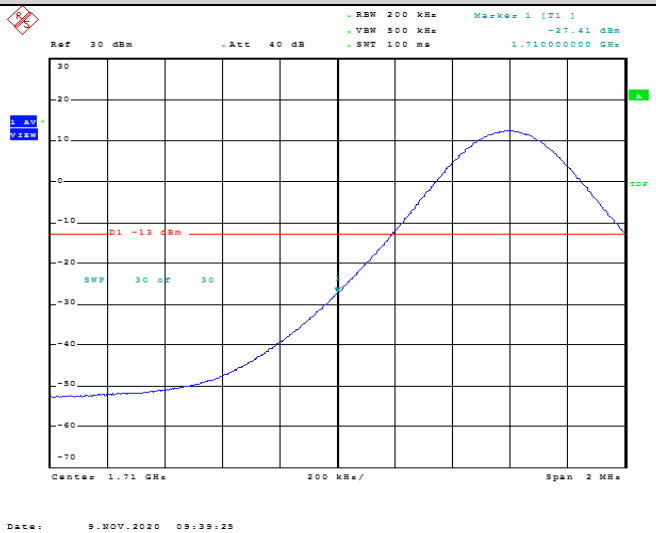


Band4-10MHz-QPSK-20000-1RB#0



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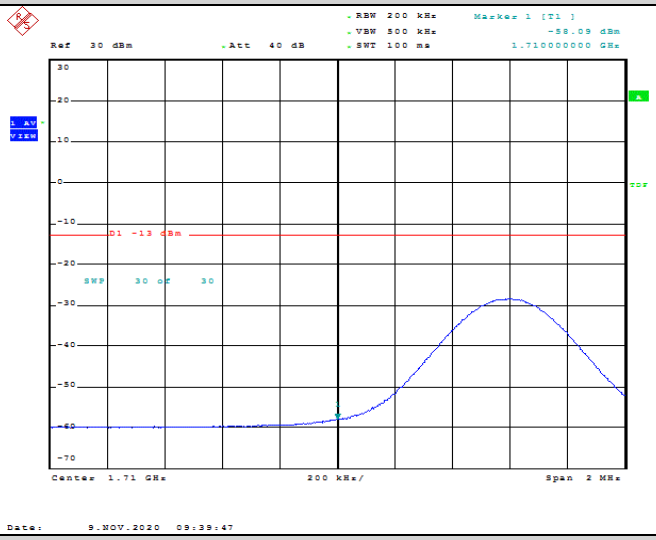

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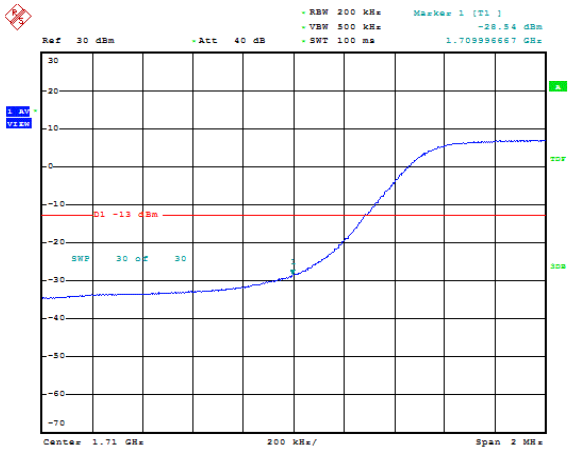

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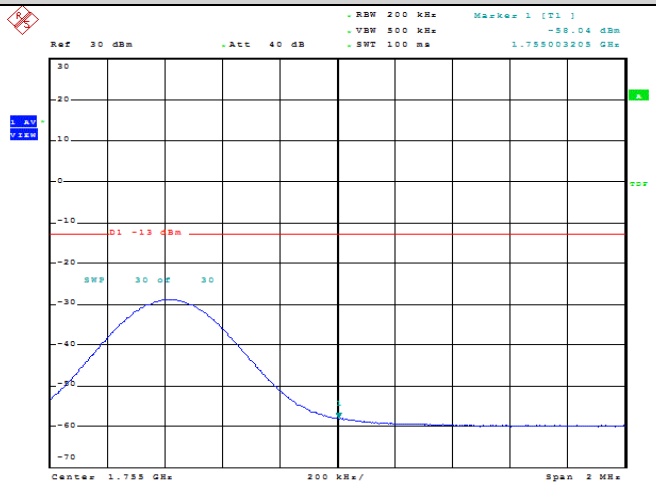

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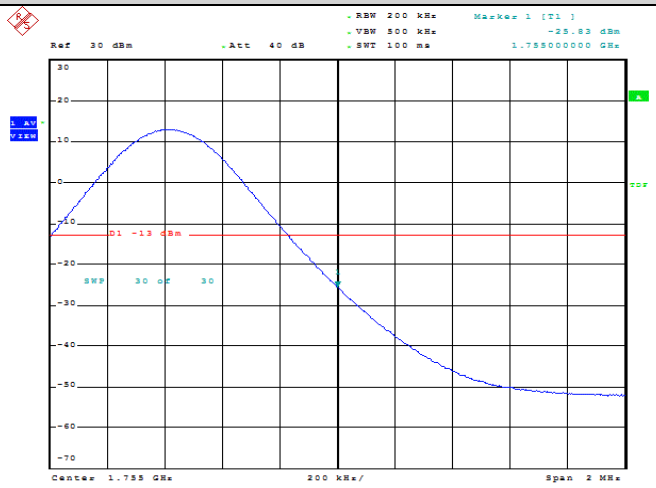
Band4-10MHz-QPSK-20350-1RB#49



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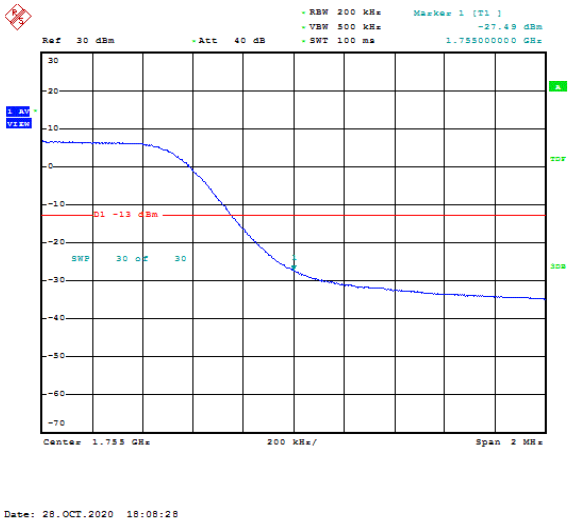

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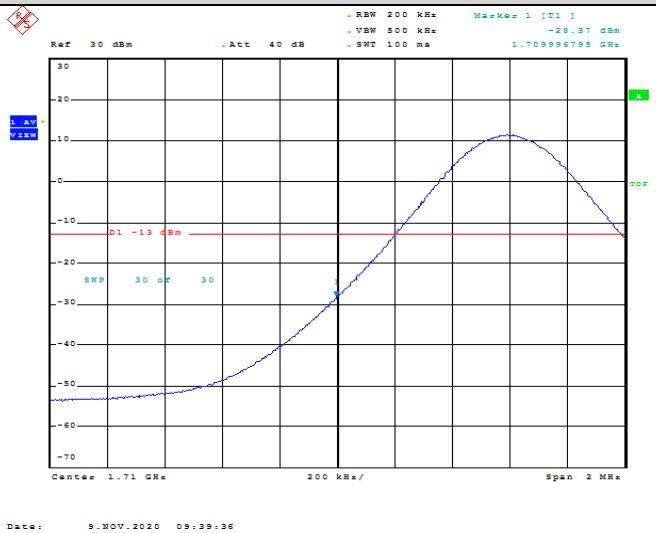

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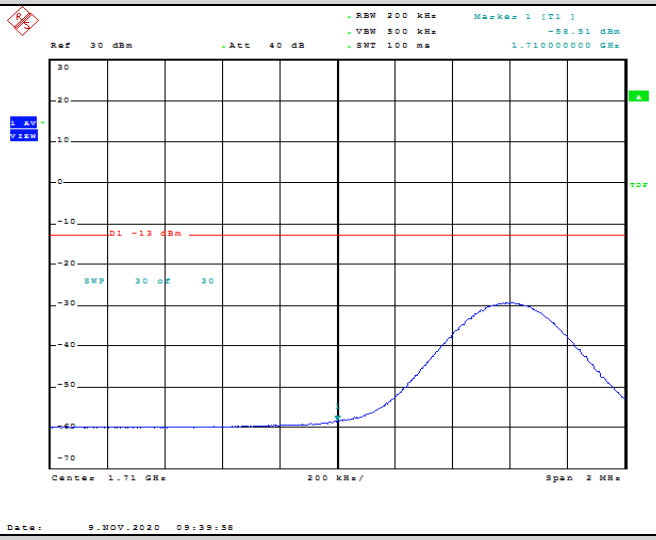

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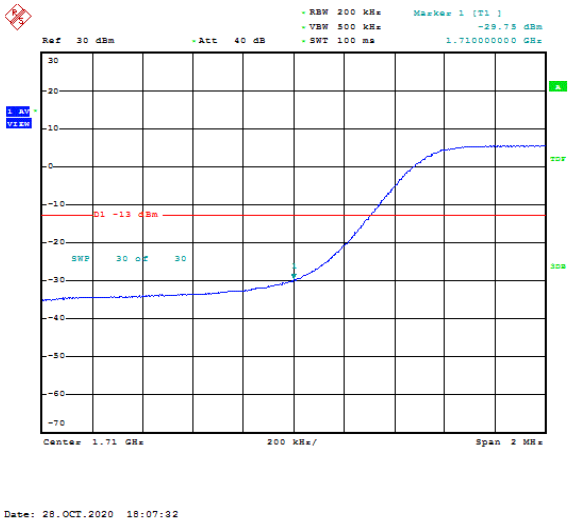
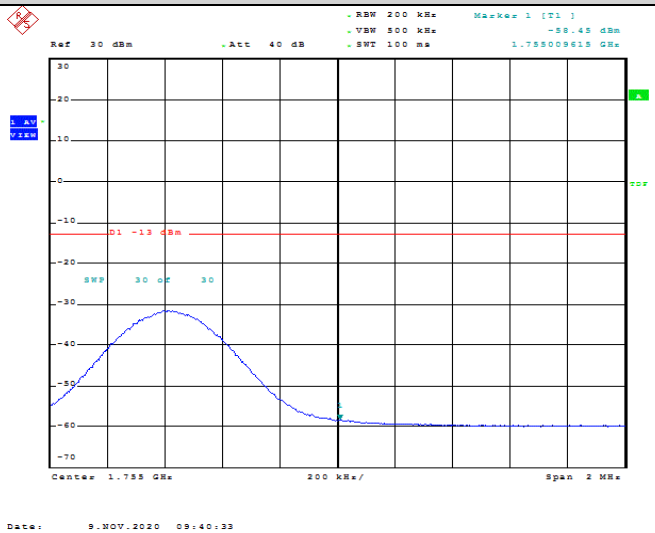


Band4-10MHz-16QAM-20350-1RB#0



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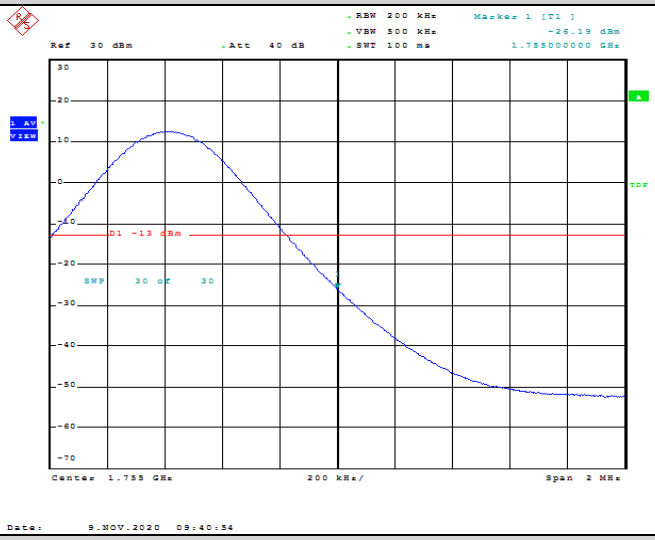

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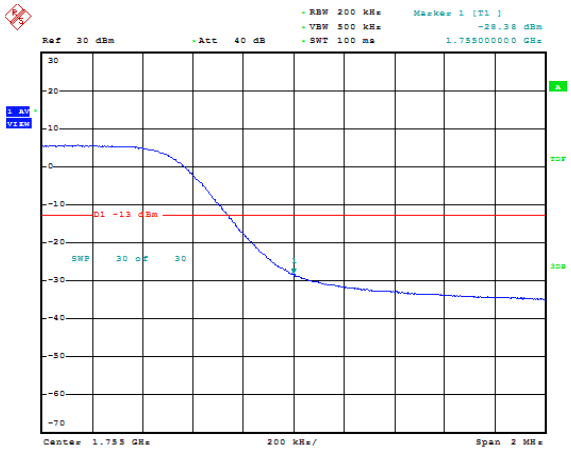

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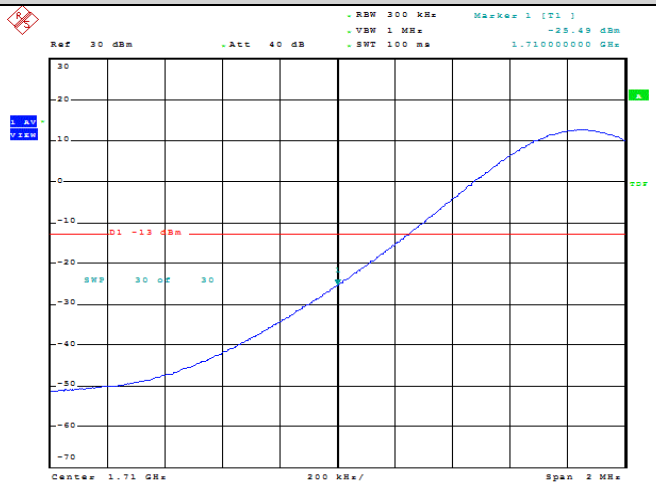

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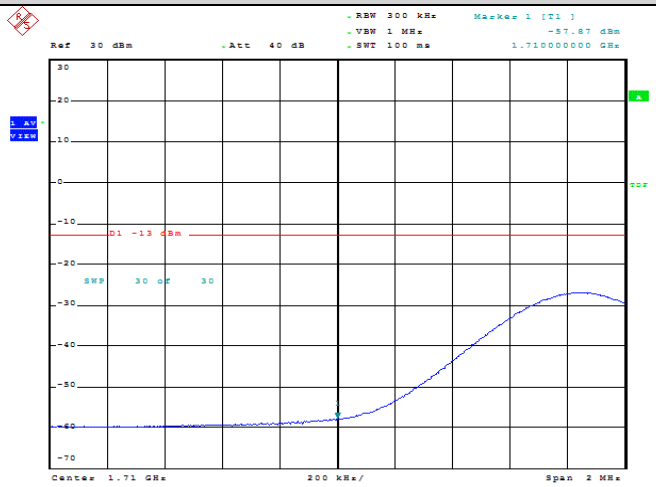

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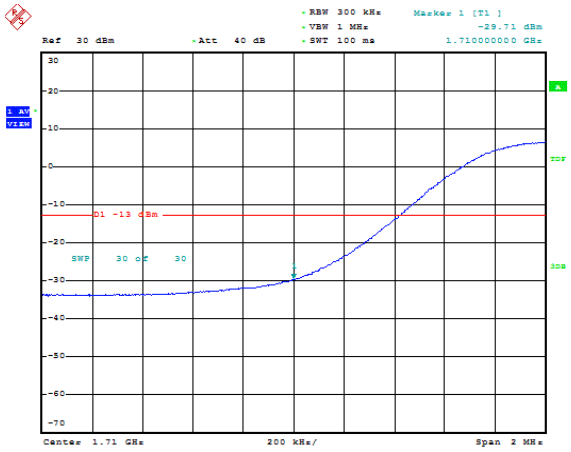

Date: 28.OCT.2020 18:15:41

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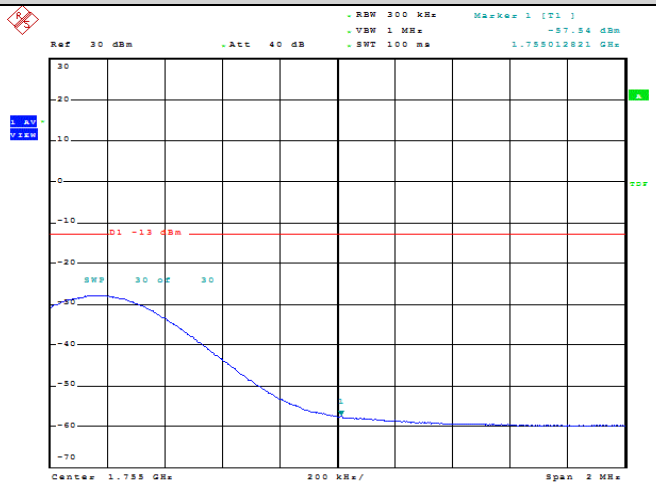

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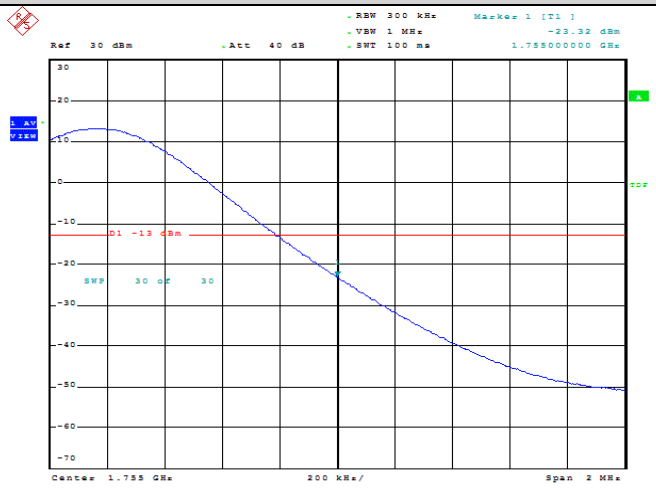

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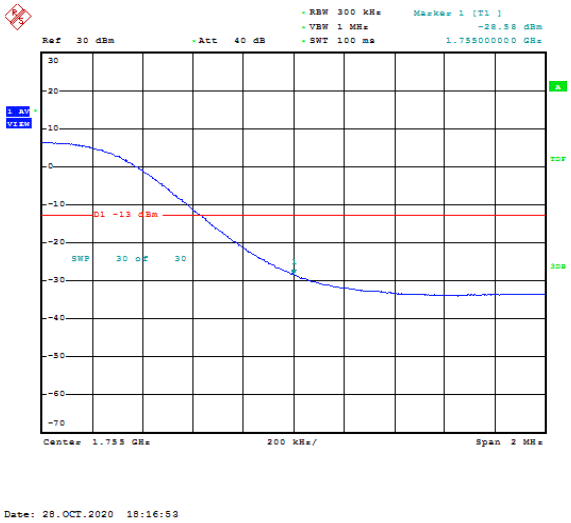

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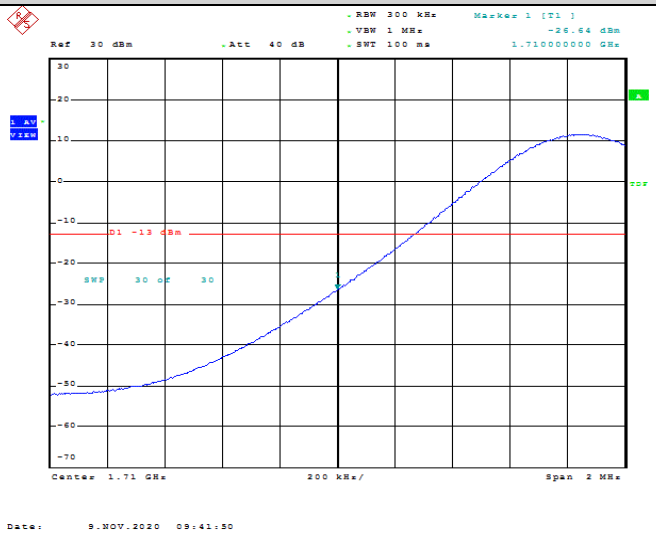

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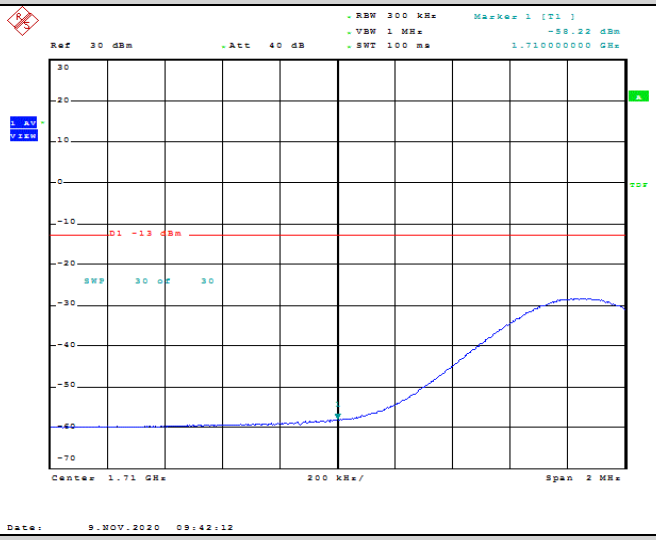

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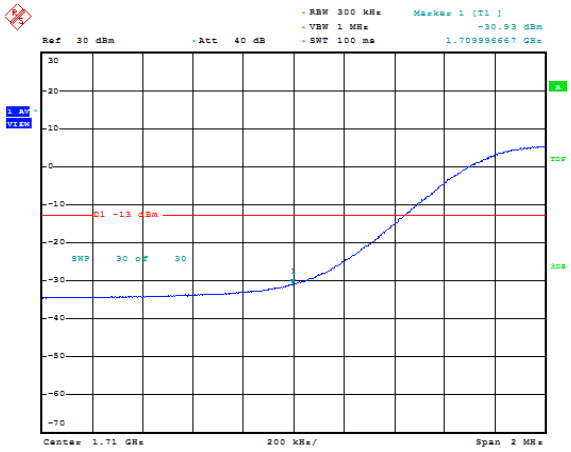

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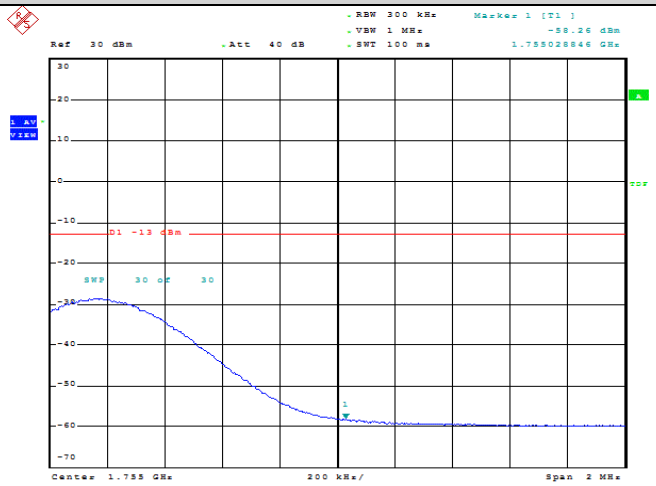

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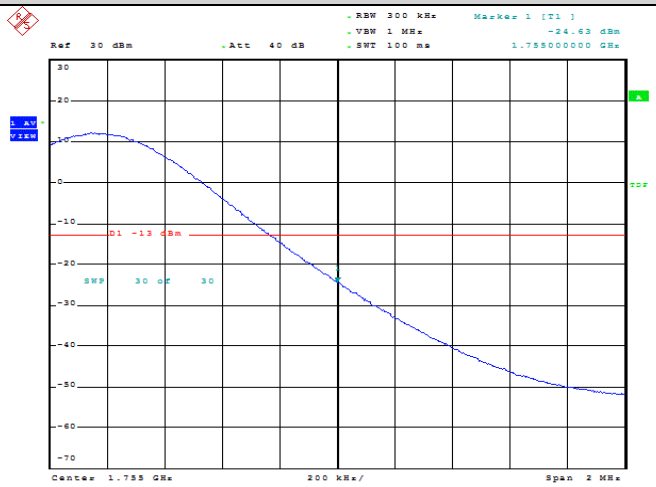

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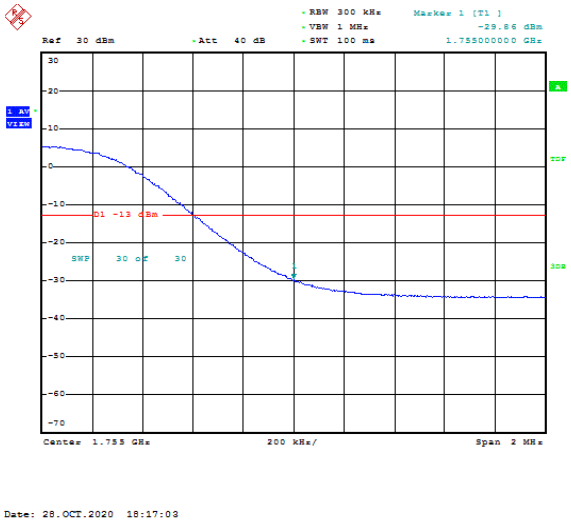

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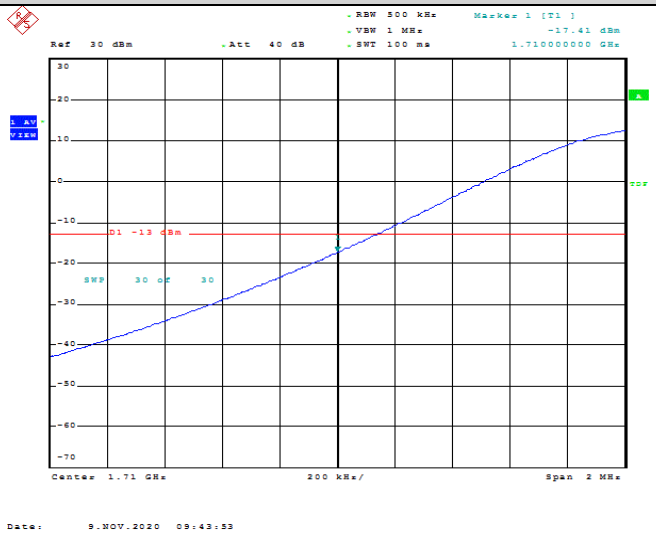

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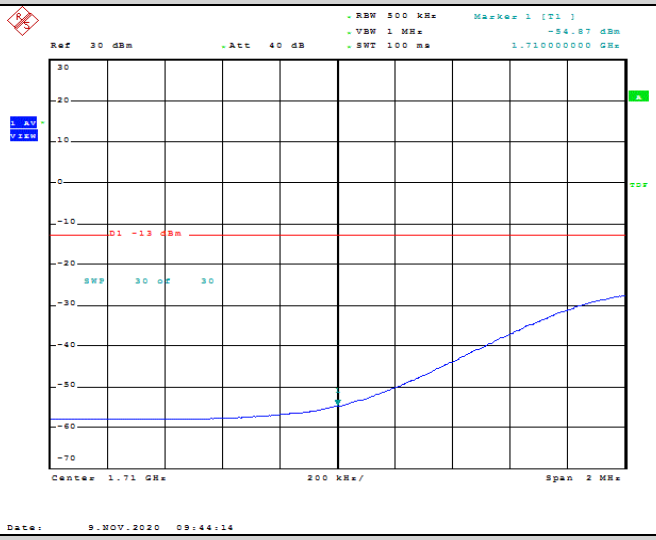

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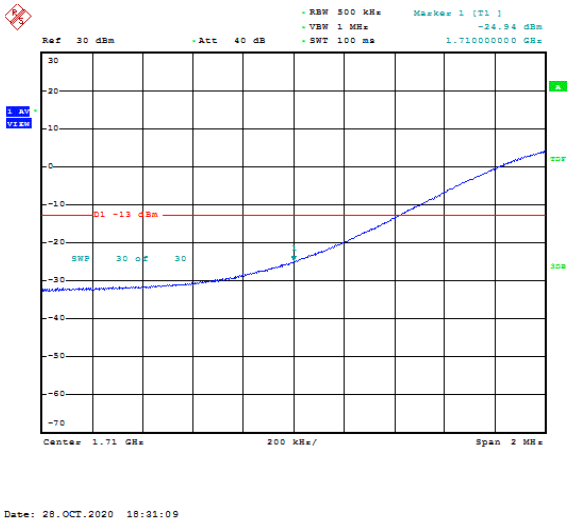

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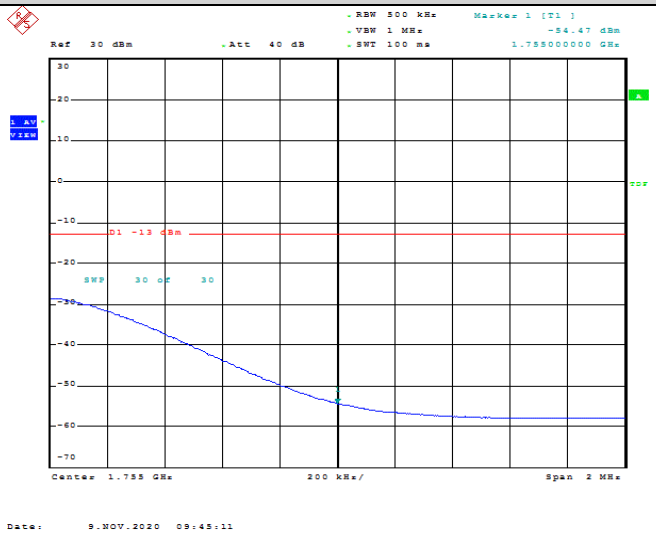

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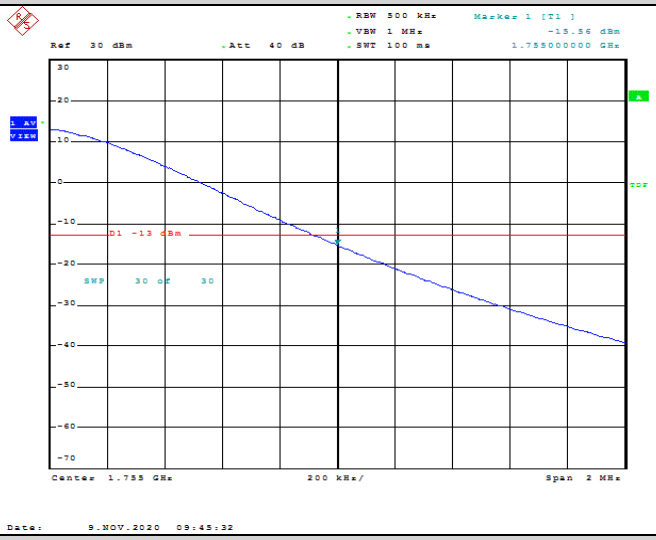

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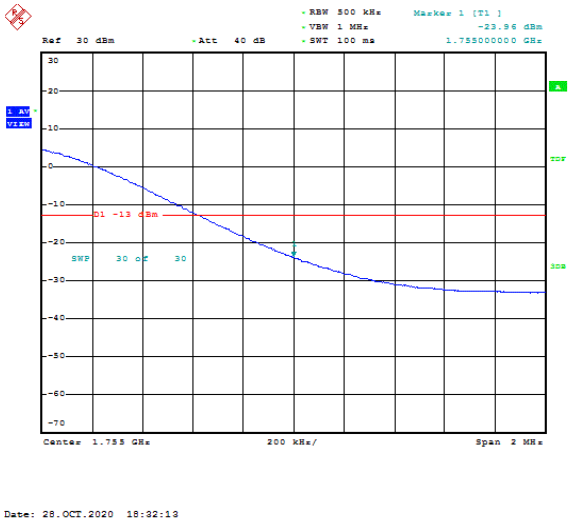

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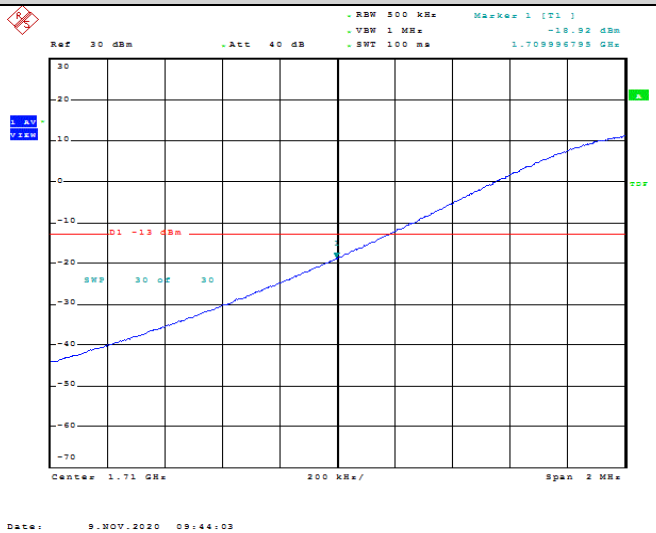

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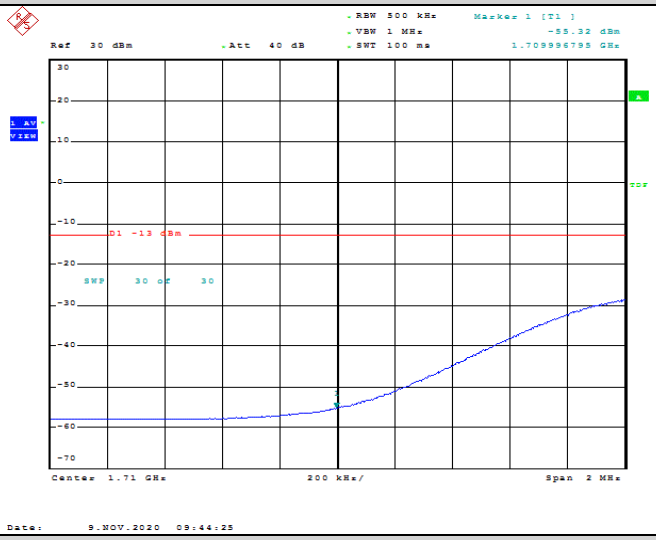

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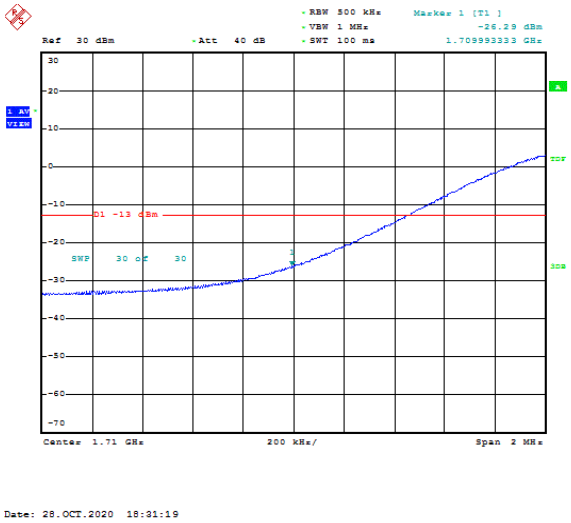

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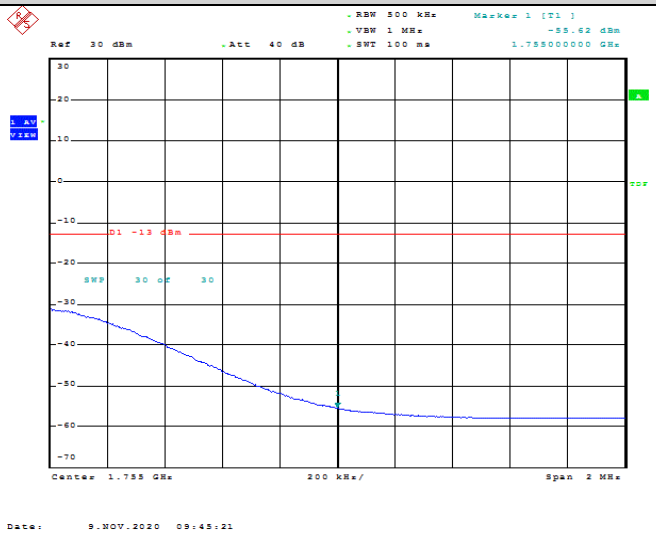

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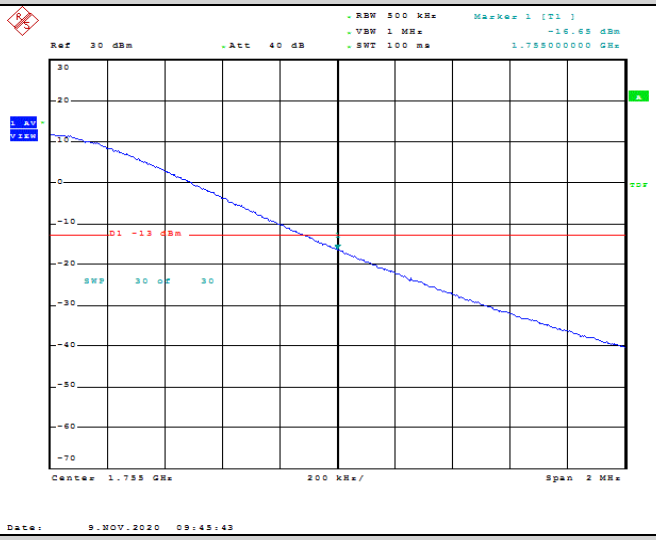

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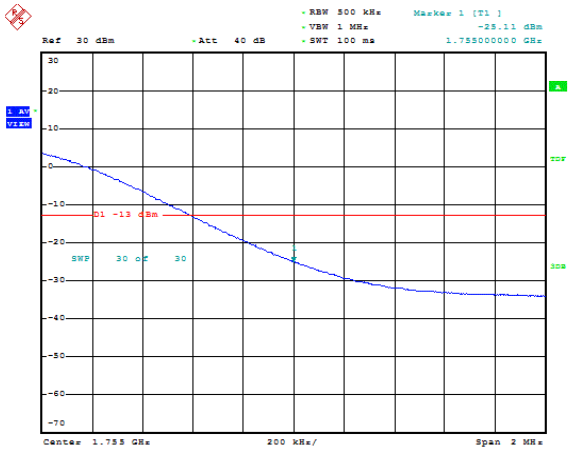


Date: 28.OCT.2020 18:32:22

1.5. Appendix E: Conducted Spurious Emission

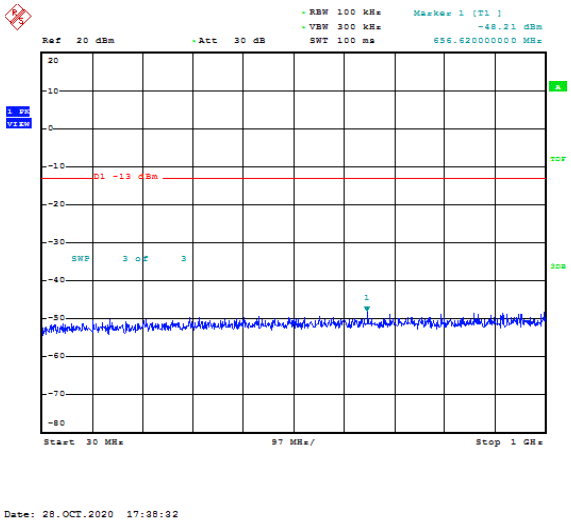
Test Result

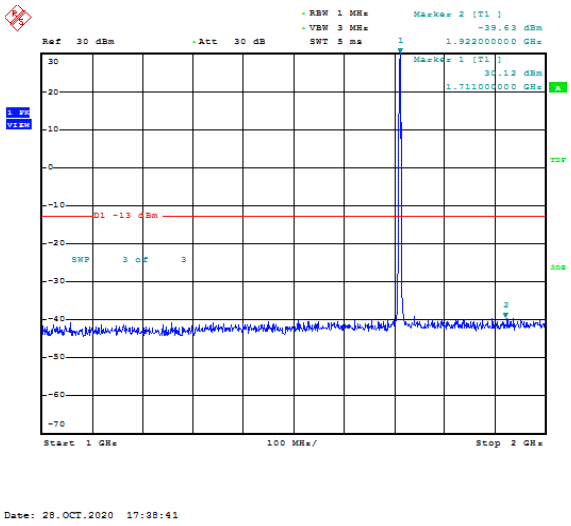
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-48.21	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~2000MHz	-39.63	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:2000~20000MHz	-29.25	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-48.22	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-39.68	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-28.78	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-47.83	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~2000MHz	-39.82	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:2000~20000MHz	-28.86	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-48.2	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~2000MHz	-39.6	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range3:2000~20000MHz	-28.52	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-48.1	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-39.91	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.81	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-47.82	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~2000MHz	-39.66	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:2000~20000MHz	-29.32	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-48.05	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~2000MHz	-39.53	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:2000~20000MHz	-28.64	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-48.39	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-38.9	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.7	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-49.02	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~2000MHz	-39.95	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:2000~20000MHz	-28.52	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-48.04	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~2000MHz	-39.42	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:2000~20000MHz	-28.48	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-47.74	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-39.26	PASS

Band4	3MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.57	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-48.08	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~2000MHz	-39.2	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range3:2000~20000MHz	-28.73	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-48.16	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~2000MHz	-39.82	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:2000~20000MHz	-29.9	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-48.52	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-39.41	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.68	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-48.45	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~2000MHz	-39.3	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:2000~20000MHz	-29.99	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-47.74	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~2000MHz	-39.6	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:2000~20000MHz	-29.52	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-47.89	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-39.64	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.45	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-48.55	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~2000MHz	-39.6	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:2000~20000MHz	-30.25	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1000MHz	-48.7	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000~2000MHz	-39.61	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:2000~20000MHz	-30	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-49.1	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-39.88	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.06	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1000MHz	-48.17	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000~2000MHz	-38.69	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:2000~20000MHz	-29.68	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1000MHz	-48.86	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:1000~2000MHz	-38.83	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:2000~20000MHz	-30.1	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-47.86	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-38.89	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.87	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1000MHz	-48.19	PASS

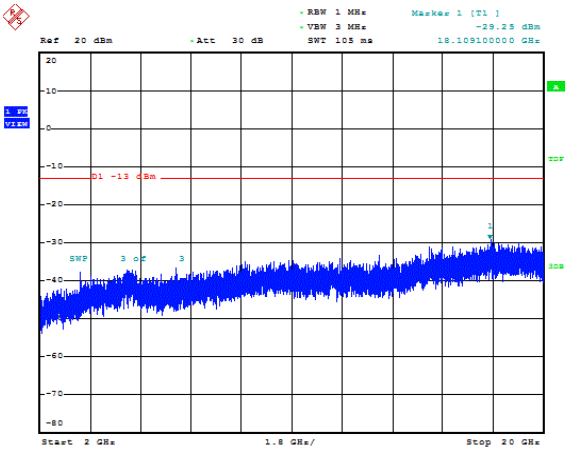
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000~2000MHz	-39.69	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:2000~20000MHz	-30.02	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1000MHz	-48.6	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000~2000MHz	-39.56	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:2000~20000MHz	-29.7	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-48.41	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-39.67	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-28.67	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1000MHz	-48.71	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000~2000MHz	-38.4	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:2000~20000MHz	-29.04	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1000MHz	-48.61	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000~2000MHz	-40.01	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:2000~20000MHz	-29.77	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-48.6	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-39.07	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.92	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1000MHz	-48.26	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000~2000MHz	-39.71	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:2000~20000MHz	-28.58	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-47.65	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~2000MHz	-38.28	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:2000~20000MHz	-28.93	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-48.27	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-39.64	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.47	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-48.21	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~2000MHz	-39.41	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:2000~20000MHz	-29.3	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-48.71	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~2000MHz	-39.62	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:2000~20000MHz	-28.54	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-48.05	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-39.34	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.81	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-48.3	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~2000MHz	-39.92	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:2000~20000MHz	-29.58	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz


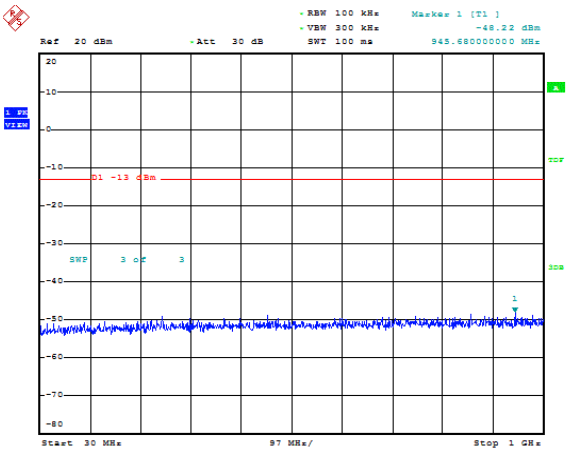
Band4-1.4MHz-QPSK-19957-1RB#0-Range2:1000~2000MHz


Band4-1.4MHz-QPSK-19957-1RB#0-Range3:2000~20000MHz



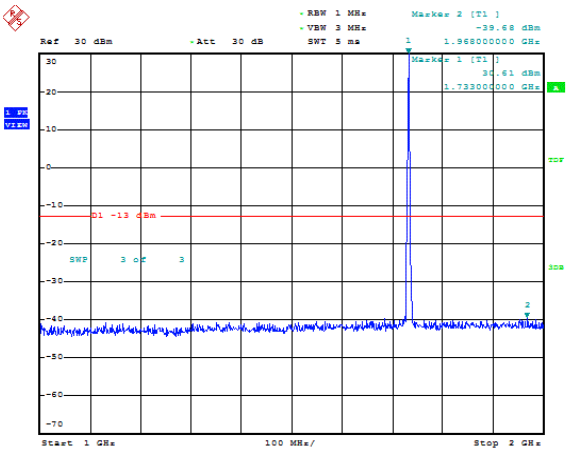
Date: 28.OCT.2020 17:38:49

Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



Date: 28.OCT.2020 17:39:25

Band4-1.4MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



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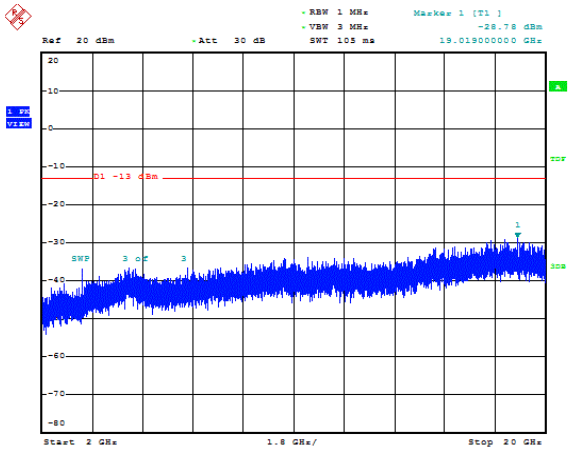
Band4-1.4MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



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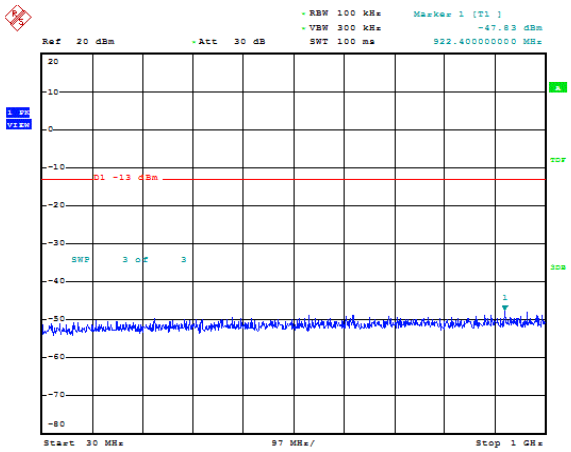
Band4-1.4MHz-QPSK-20393-1RB#0-Range1:30~1000MHz



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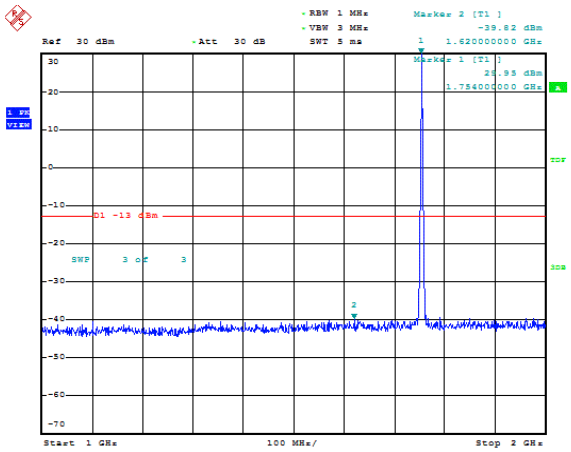
Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~2000MHz



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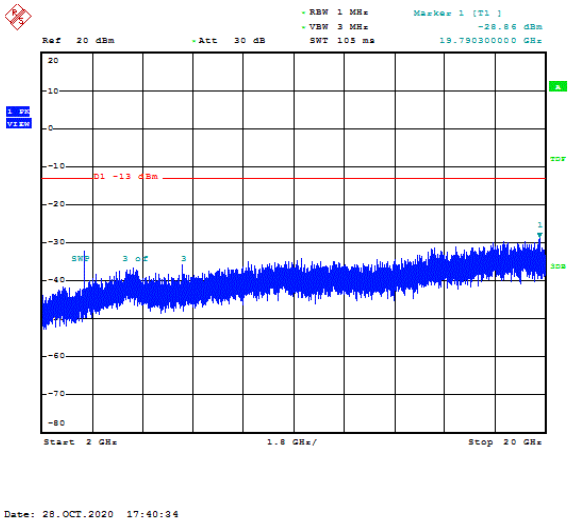
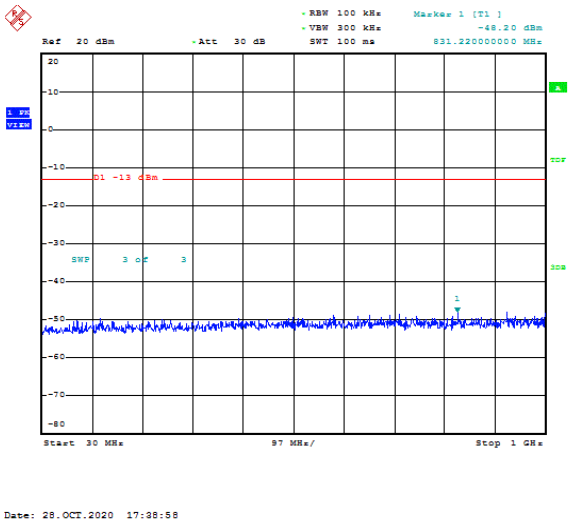
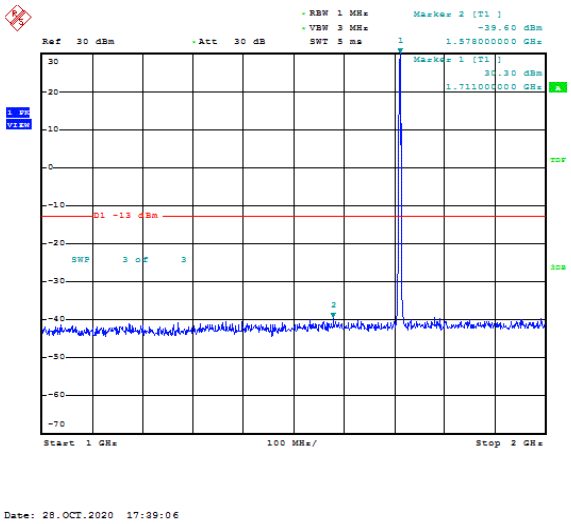
Band4-1.4MHz-QPSK-20393-1RB#0-Range3:2000~20000MHz



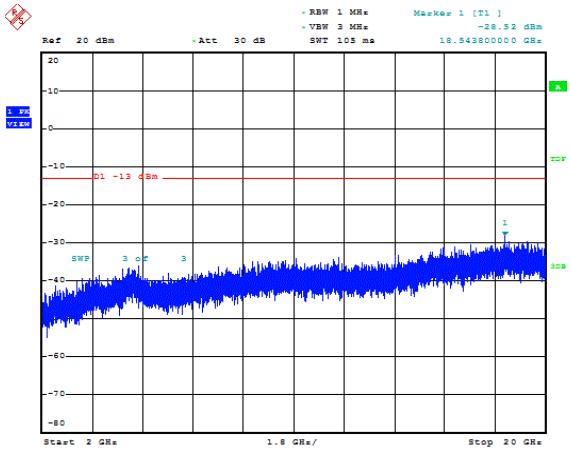
Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~1000MHz



Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~2000MHz



Band4-1.4MHz-16QAM-19957-1RB#0-Range3:2000~20000MHz



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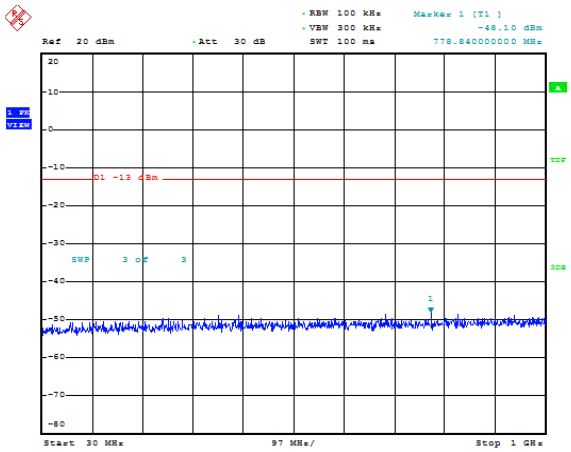
Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



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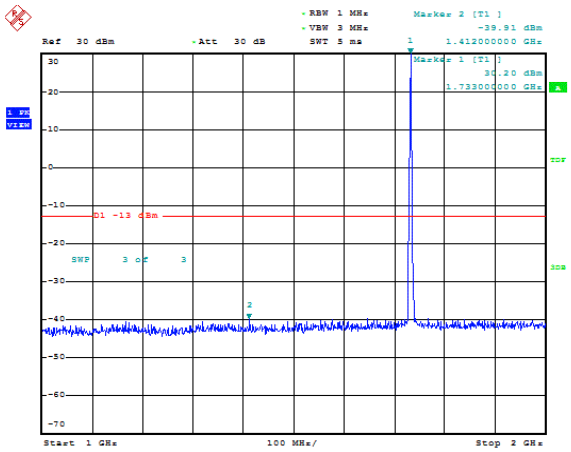
Band4-1.4MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



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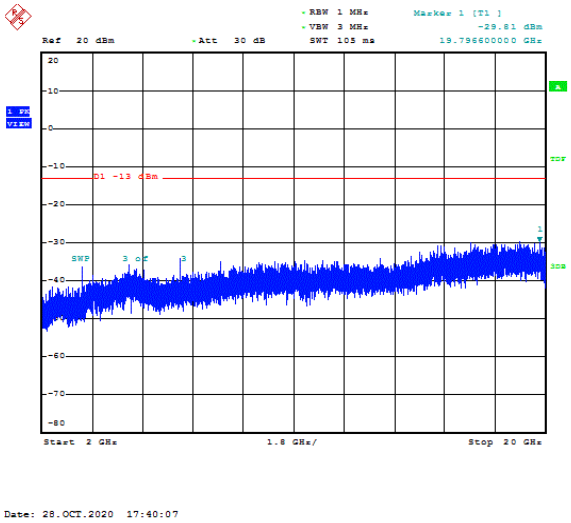
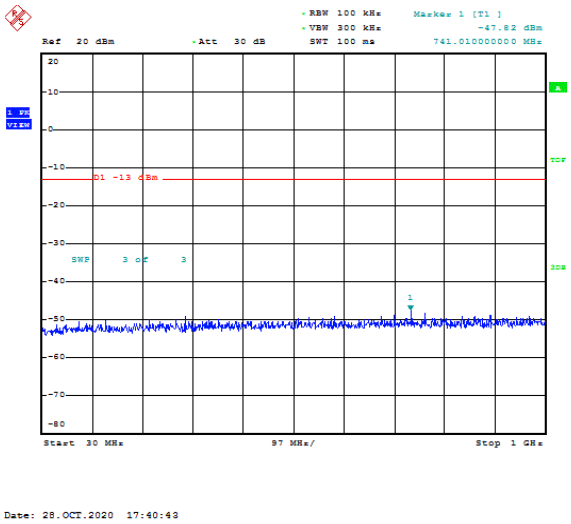
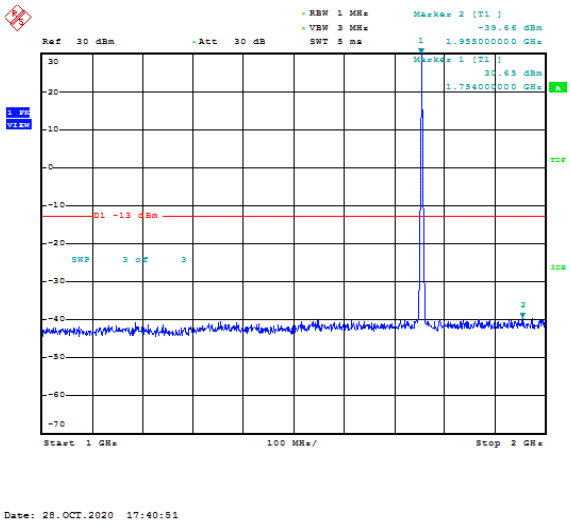
Band4-1.4MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



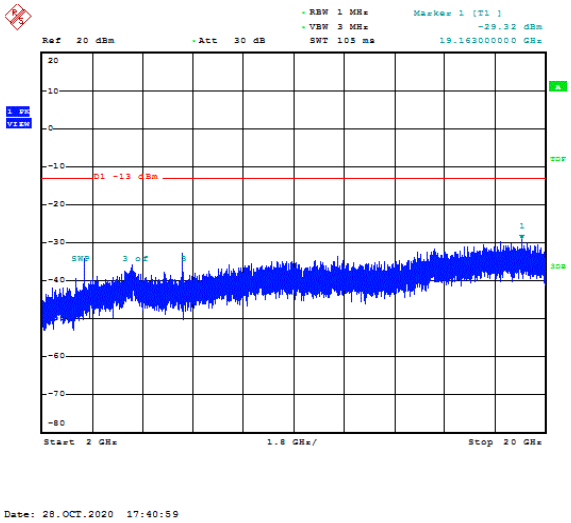
Band4-1.4MHz-16QAM-20393-1RB#0-Range1:30~1000MHz



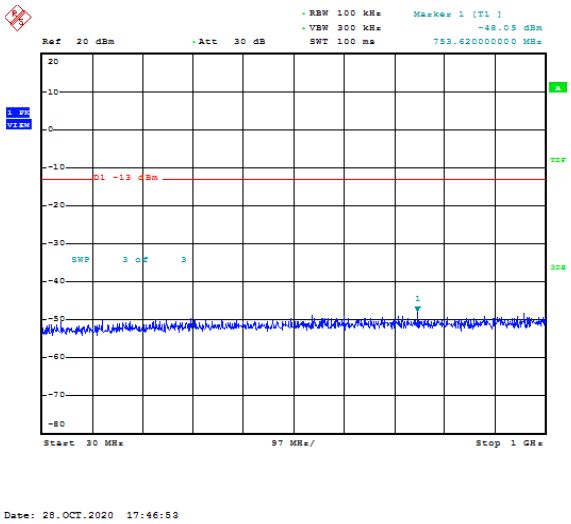
Band4-1.4MHz-16QAM-20393-1RB#0-Range2:1000~2000MHz



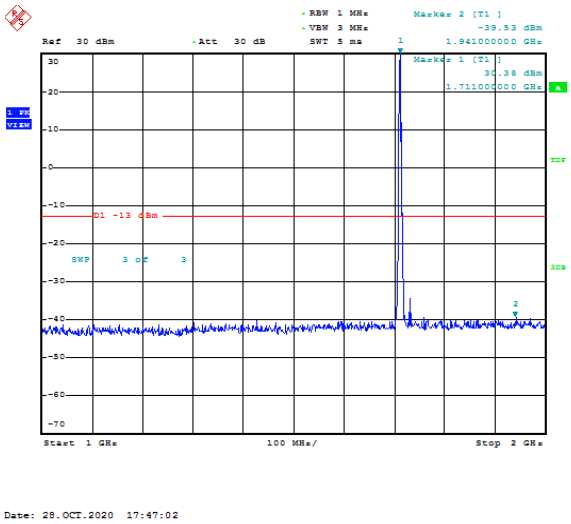
Band4-1.4MHz-16QAM-20393-1RB#0-Range3:2000~20000MHz



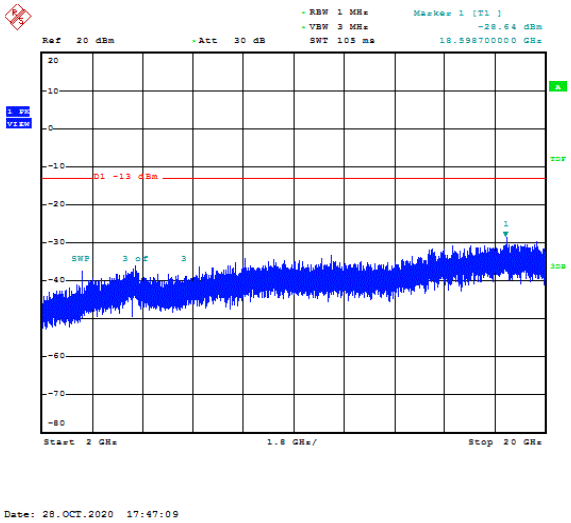
Band4-3MHz-QPSK-19965-1RB#0-Range1:30~1000MHz



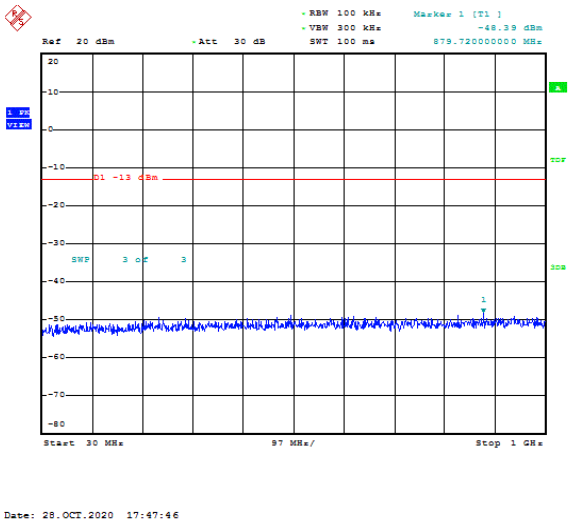
Band4-3MHz-QPSK-19965-1RB#0-Range2:1000~2000MHz



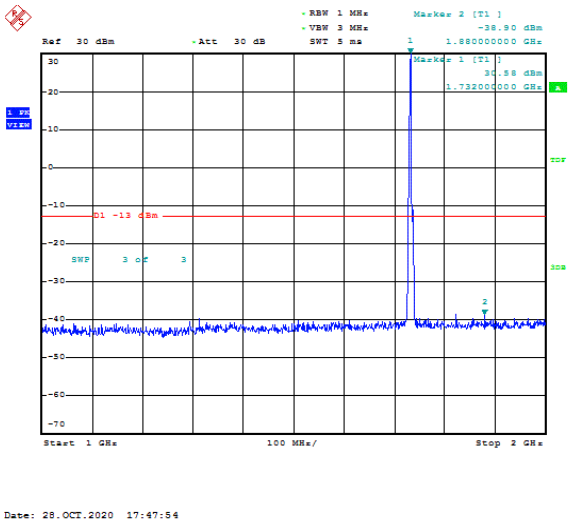
Band4-3MHz-QPSK-19965-1RB#0-Range3:2000~20000MHz



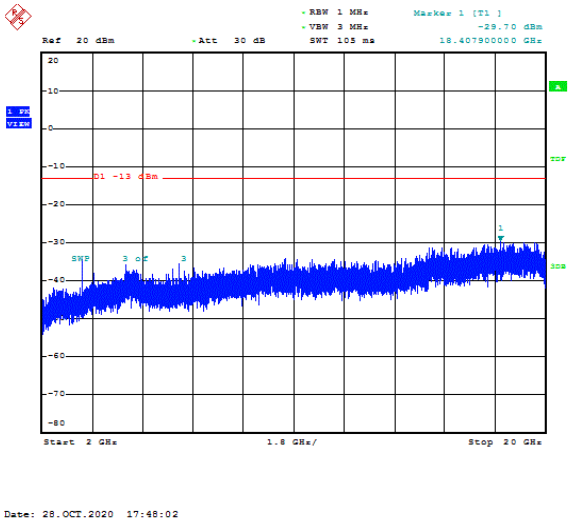
Band4-3MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



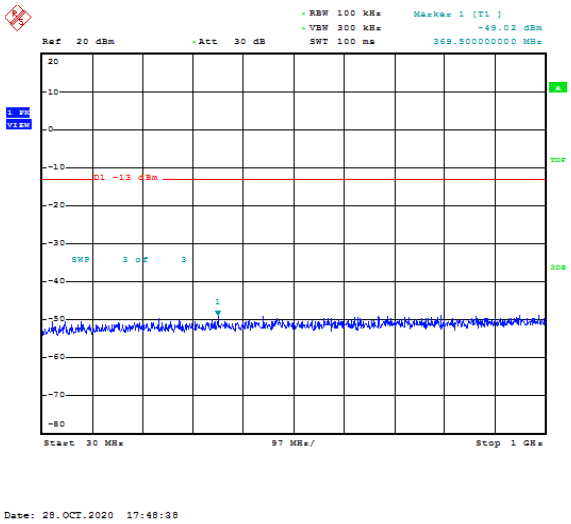
Band4-3MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



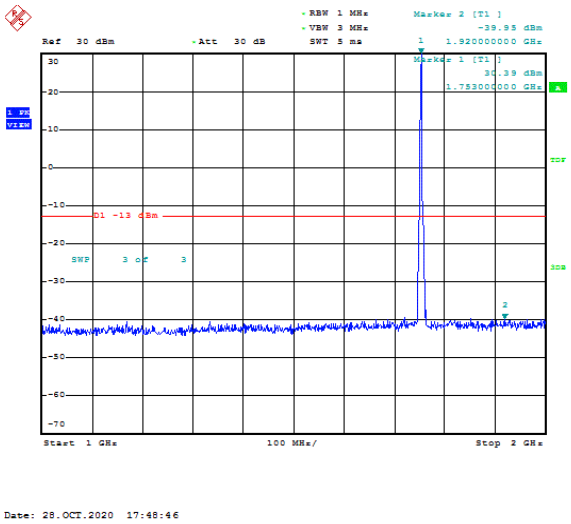
Band4-3MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



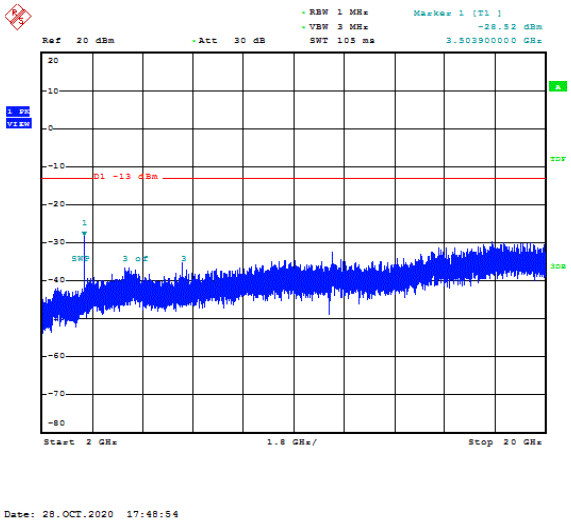
Band4-3MHz-QPSK-20385-1RB#0-Range1:30~1000MHz



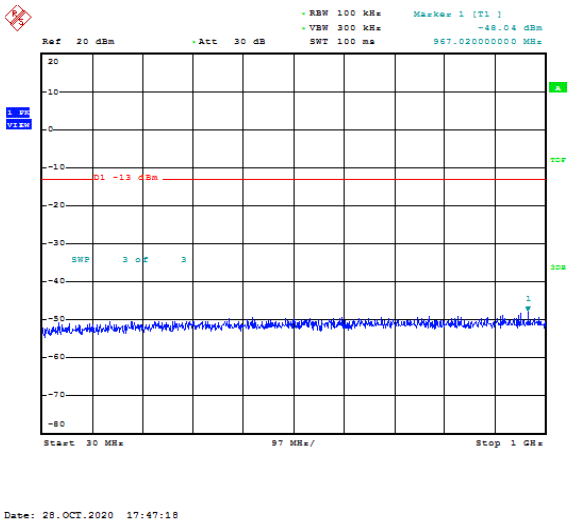
Band4-3MHz-QPSK-20385-1RB#0-Range2:1000~2000MHz



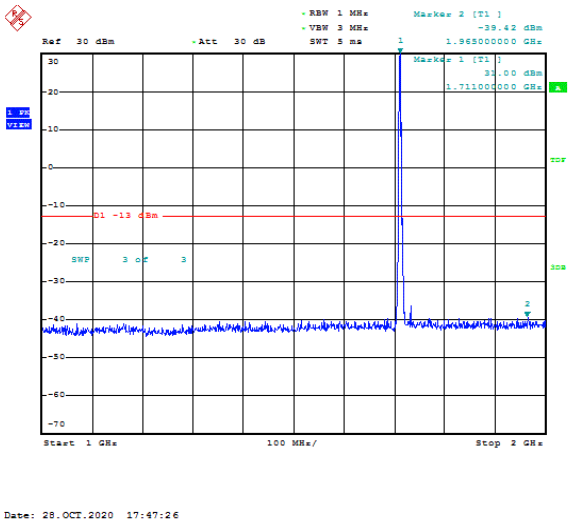
Band4-3MHz-QPSK-20385-1RB#0-Range3:2000~20000MHz



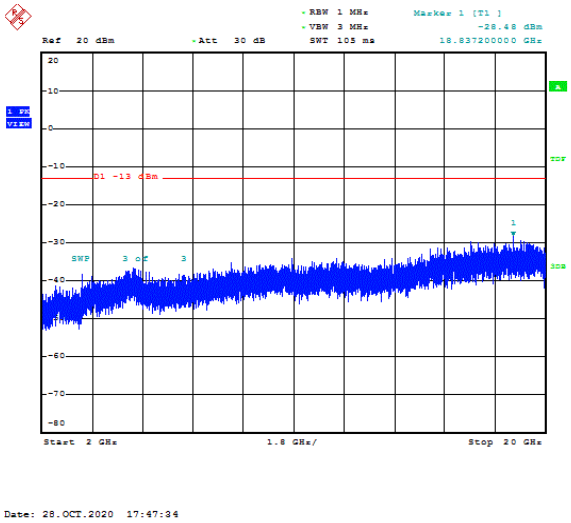
Band4-3MHz-16QAM-19965-1RB#0-Range1:30~1000MHz



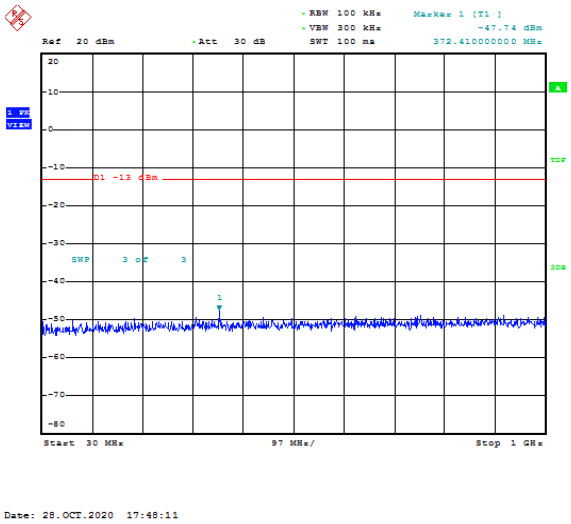
Band4-3MHz-16QAM-19965-1RB#0-Range2:1000~2000MHz



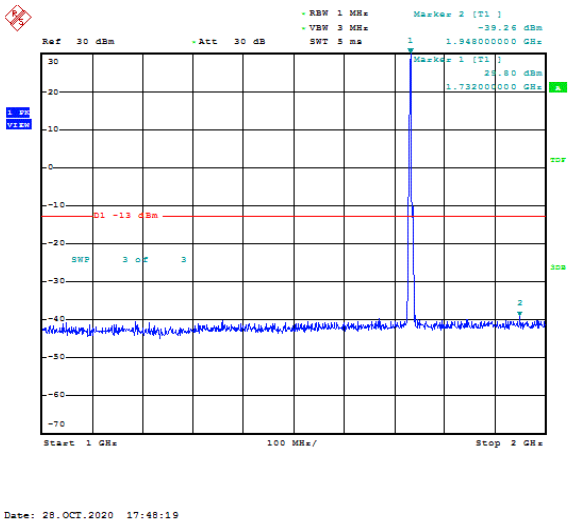
Band4-3MHz-16QAM-19965-1RB#0-Range3:2000~20000MHz



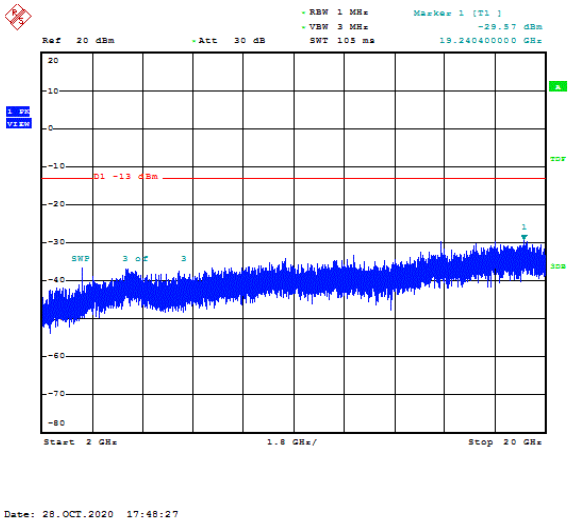
Band4-3MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



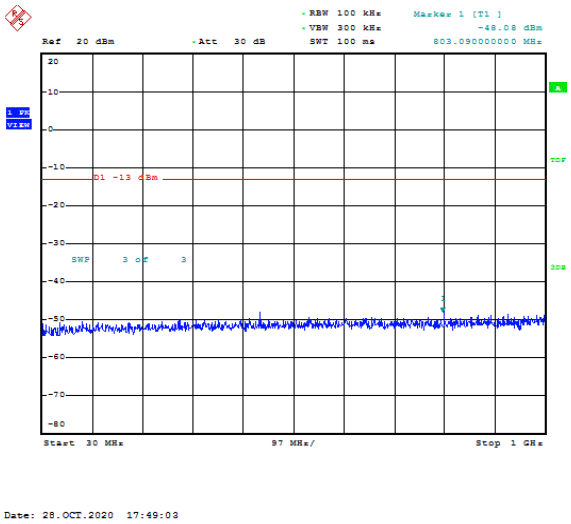
Band4-3MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



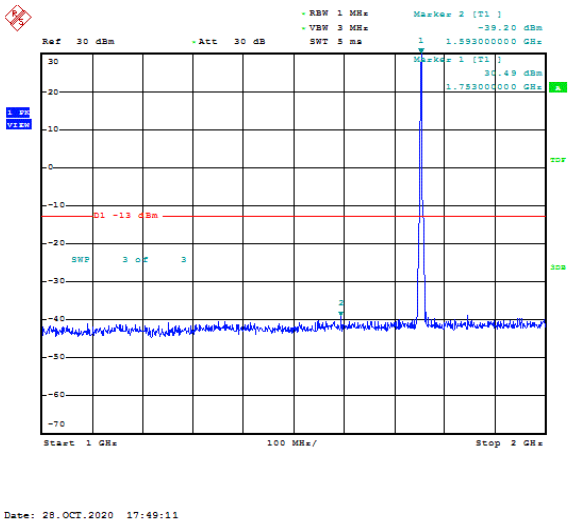
Band4-3MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



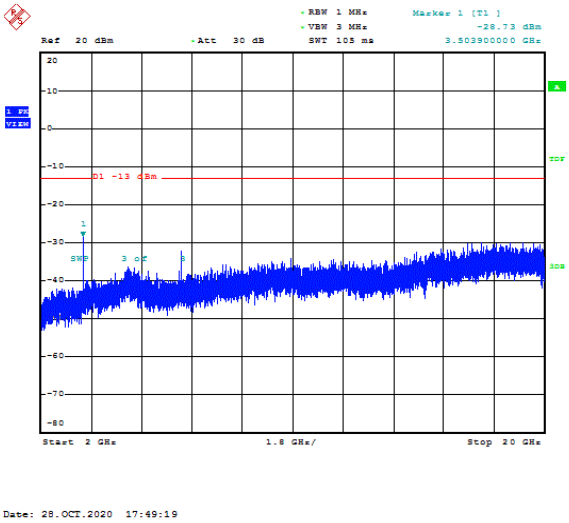
Band4-3MHz-16QAM-20385-1RB#0-Range1:30~1000MHz



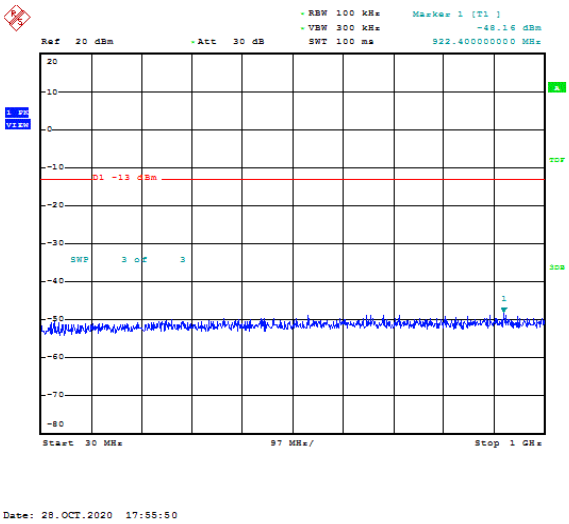
Band4-3MHz-16QAM-20385-1RB#0-Range2:1000~2000MHz



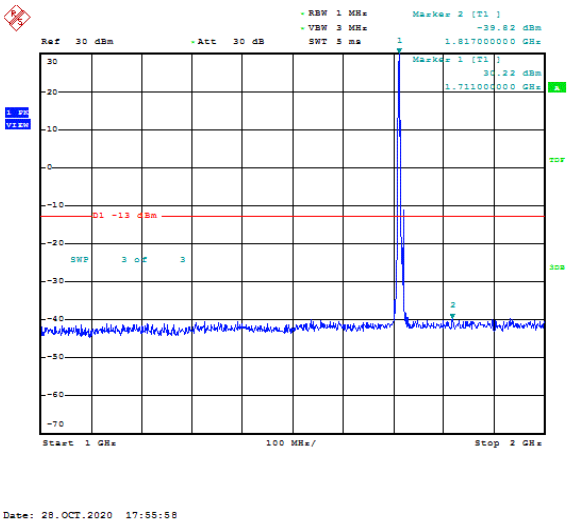
Band4-3MHz-16QAM-20385-1RB#0-Range3:2000~20000MHz



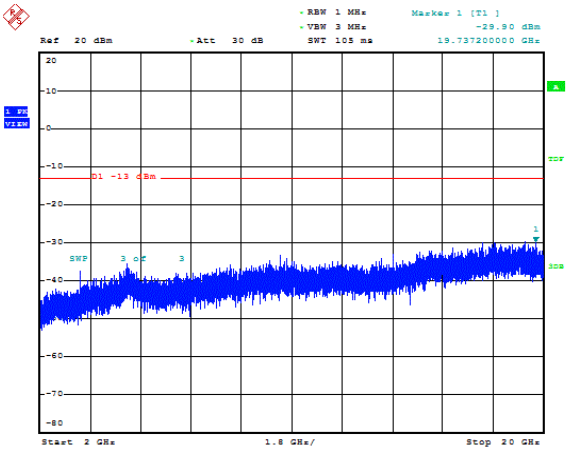
Band4-5MHz-QPSK-19975-1RB#0-Range1:30~1000MHz



Band4-5MHz-QPSK-19975-1RB#0-Range2:1000~2000MHz

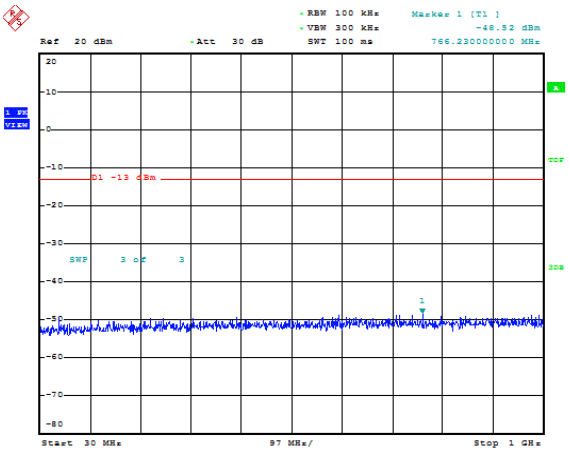


Band4-5MHz-QPSK-19975-1RB#0-Range3:2000~20000MHz



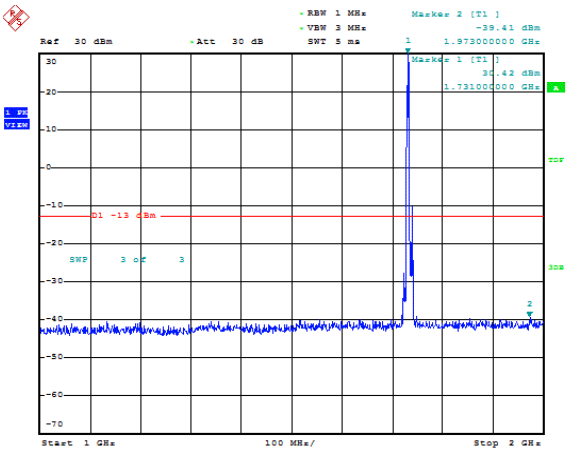
Date: 28.OCT.2020 17:56:06

Band4-5MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



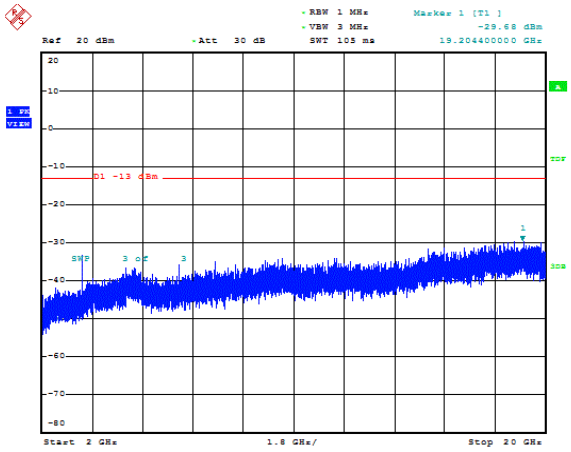
Date: 28.OCT.2020 17:56:43

Band4-5MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



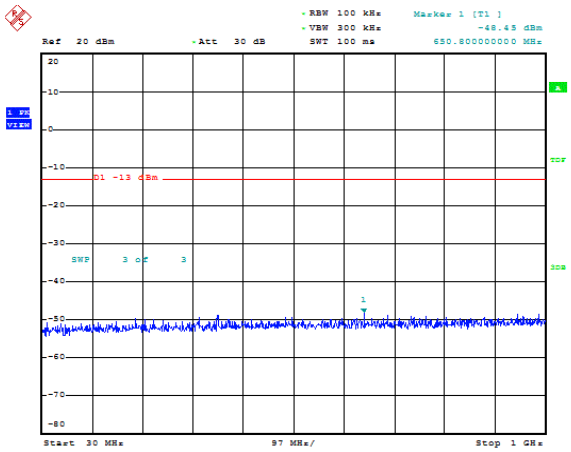
Date: 28.OCT.2020 17:56:51

Band4-5MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



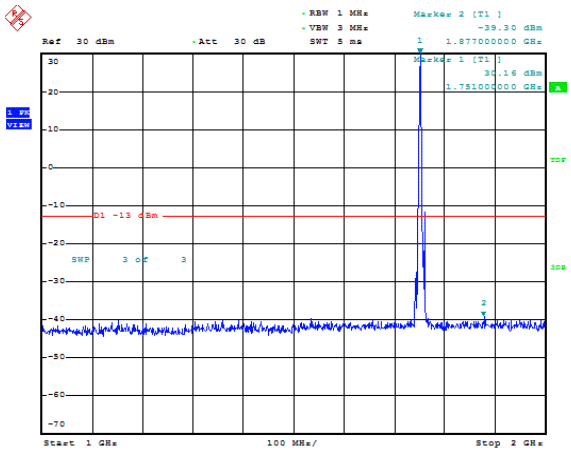
Date: 28.OCT.2020 17:56:59

Band4-5MHz-QPSK-20375-1RB#0-Range1:30~1000MHz



Date: 28.OCT.2020 17:57:36

Band4-5MHz-QPSK-20375-1RB#0-Range2:1000~2000MHz



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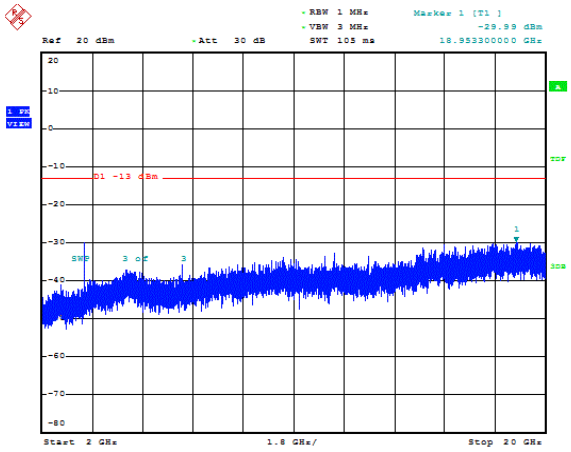
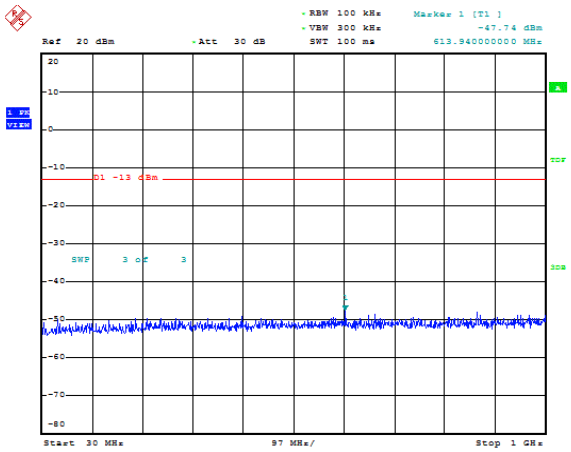
Band4-5MHz-QPSK-20375-1RB#0-Range3:2000~20000MHz



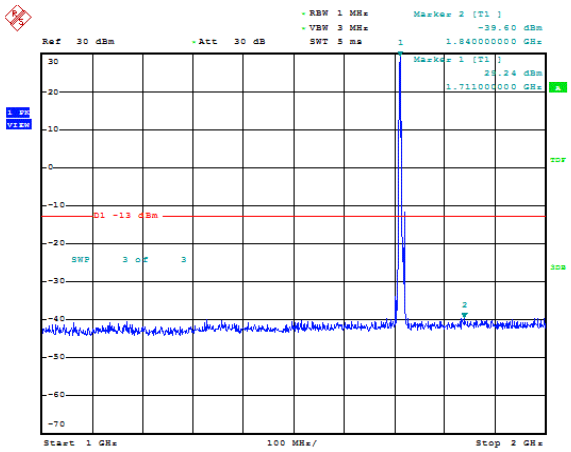
Date: 28.OCT.2020 17:57:52

Band4-5MHz-16QAM-19975-1RB#0-Range1:30~1000MHz



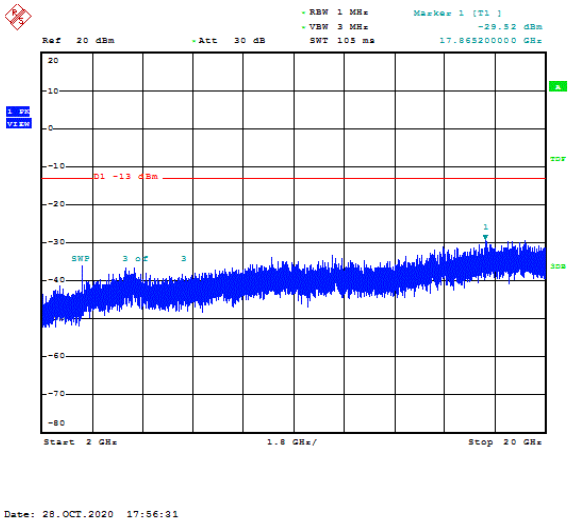
Date: 28.OCT.2020 17:56:15

Band4-5MHz-16QAM-19975-1RB#0-Range2:1000~2000MHz

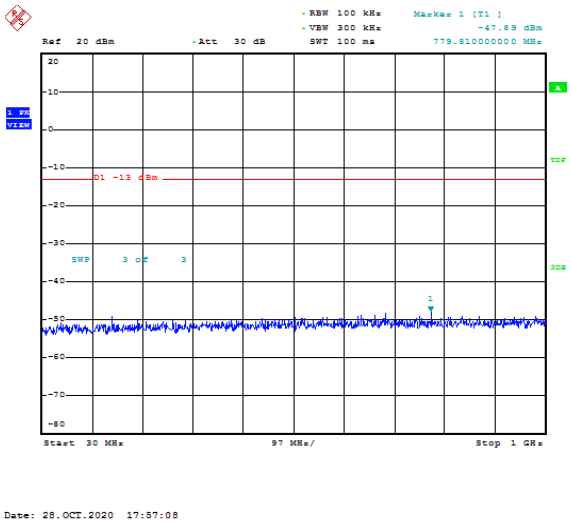


Date: 28.OCT.2020 17:56:24

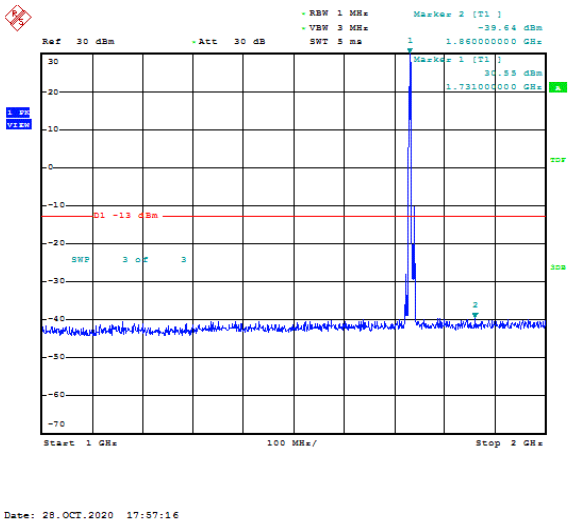
Band4-5MHz-16QAM-19975-1RB#0-Range3:2000~20000MHz



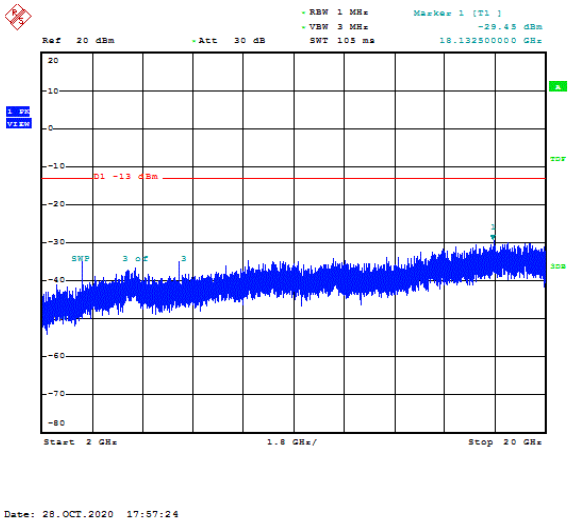
Band4-5MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



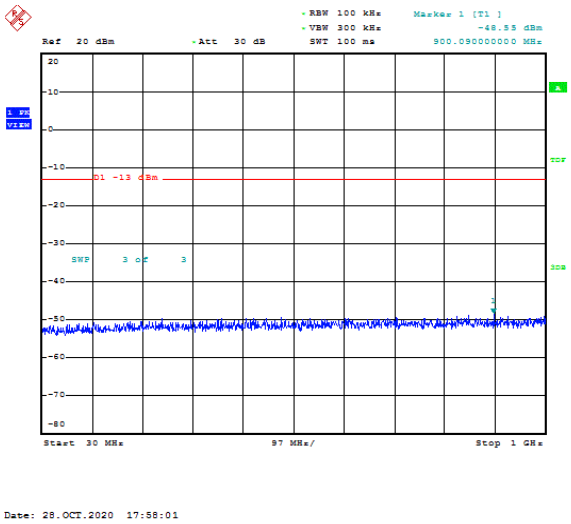
Band4-5MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



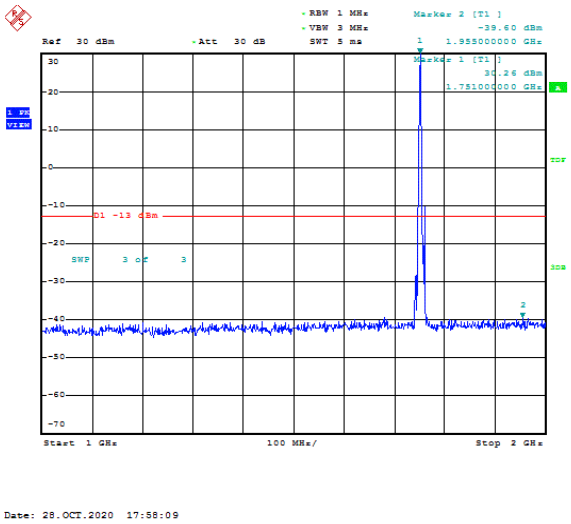
Band4-5MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



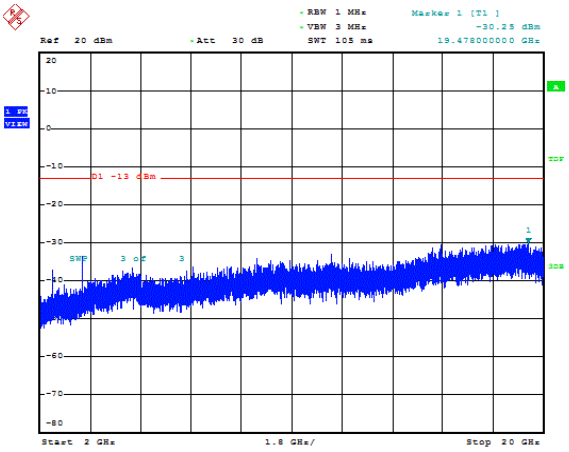
Band4-5MHz-16QAM-20375-1RB#0-Range1:30~1000MHz



Band4-5MHz-16QAM-20375-1RB#0-Range2:1000~2000MHz

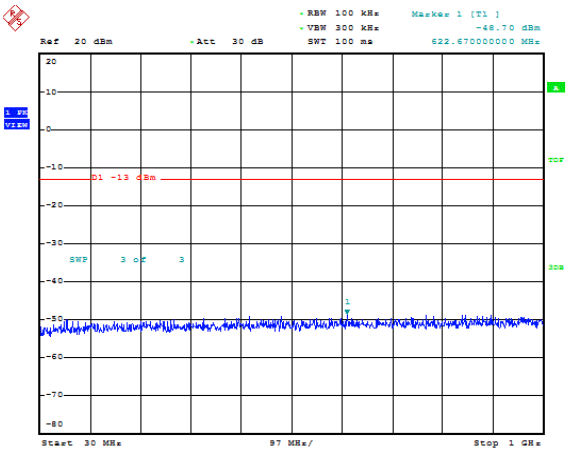


Band4-5MHz-16QAM-20375-1RB#0-Range3:2000~20000MHz



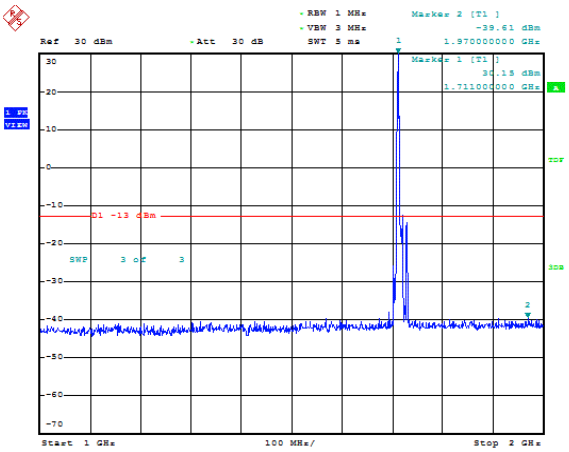
Date: 28.OCT.2020 17:58:17

Band4-10MHz-QPSK-20000-1RB#0-Range1:30~1000MHz



Date: 28.OCT.2020 18:08:49

Band4-10MHz-QPSK-20000-1RB#0-Range2:1000~2000MHz



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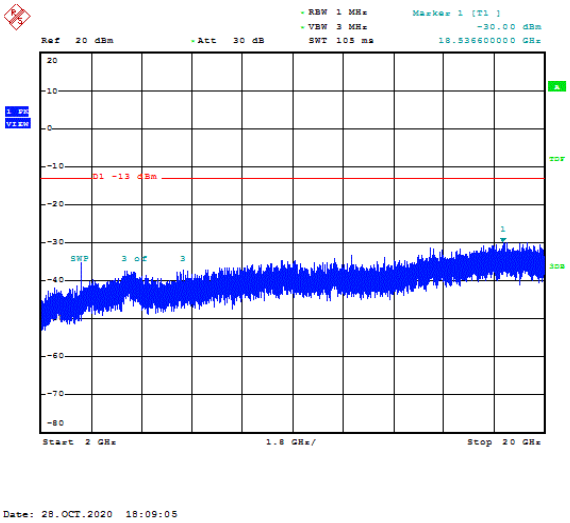
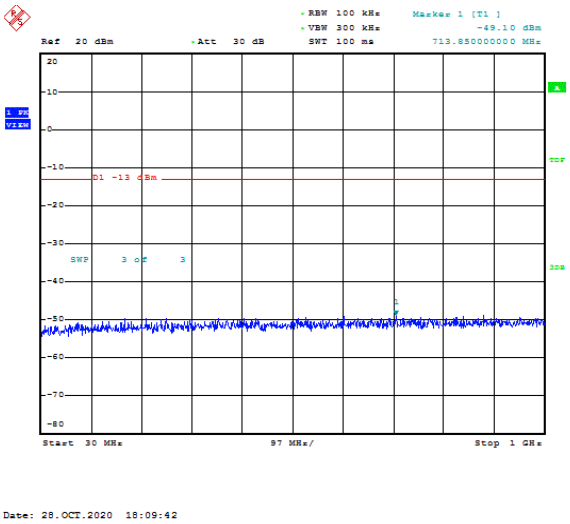
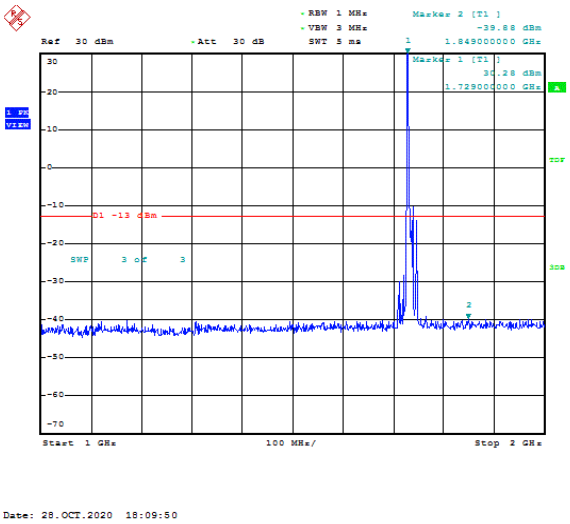
Band4-10MHz-QPSK-20000-1RB#0-Range3:2000~20000MHz



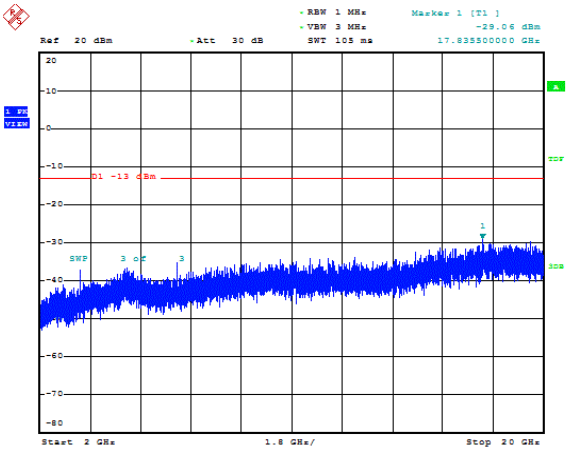
Band4-10MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



Band4-10MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz

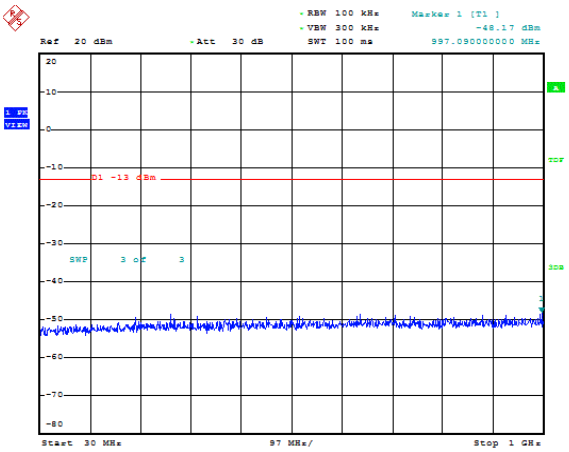


Band4-10MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



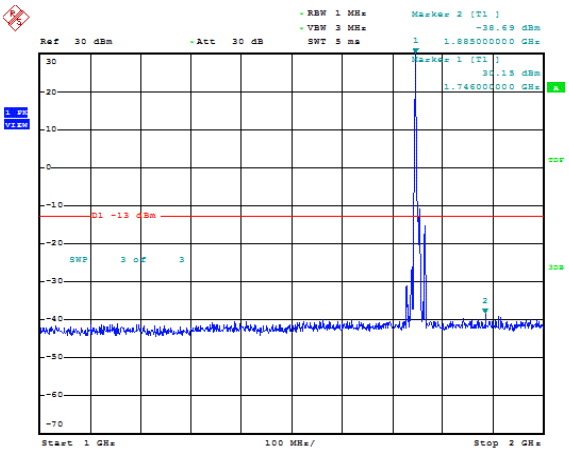
Date: 28.OCT.2020 18:09:58

Band4-10MHz-QPSK-20350-1RB#0-Range1:30~1000MHz



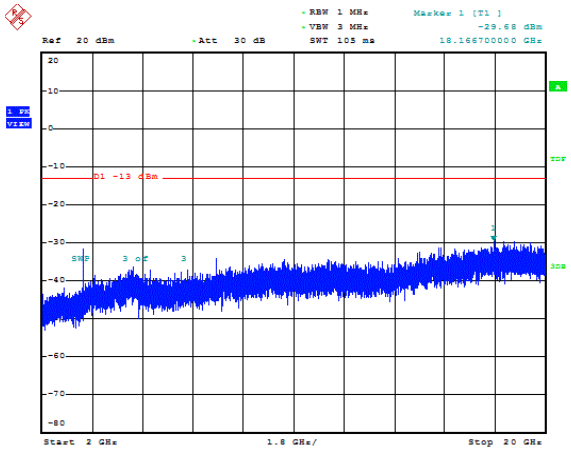
Date: 28.OCT.2020 18:10:34

Band4-10MHz-QPSK-20350-1RB#0-Range2:1000~2000MHz



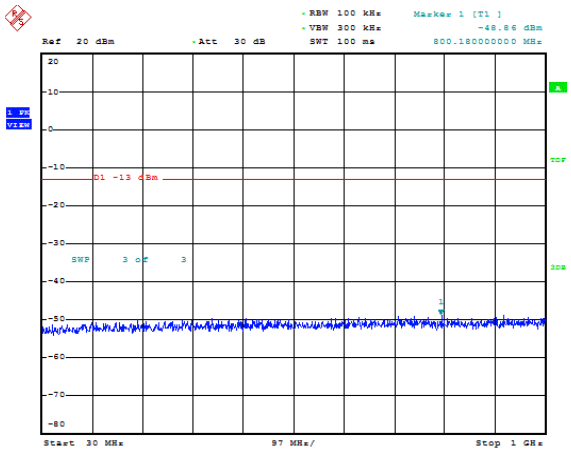
Date: 28.OCT.2020 18:10:42

Band4-10MHz-QPSK-20350-1RB#0-Range3:2000~20000MHz



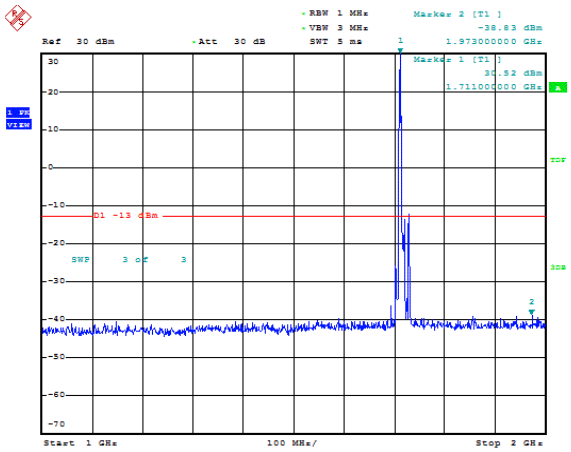
Date: 28.OCT.2020 18:10:50

Band4-10MHz-16QAM-20000-1RB#0-Range1:30~1000MHz



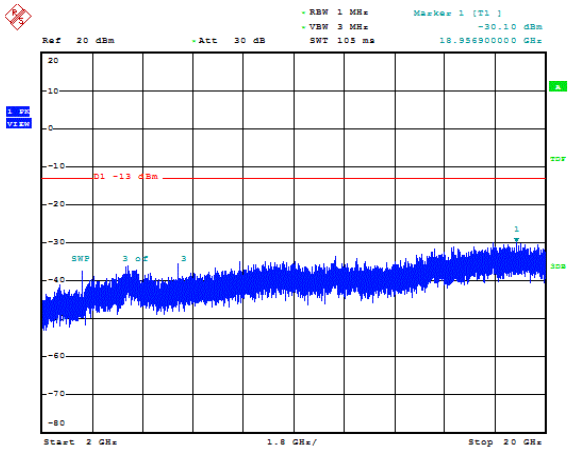
Date: 28.OCT.2020 18:09:14

Band4-10MHz-16QAM-20000-1RB#0-Range2:1000~2000MHz



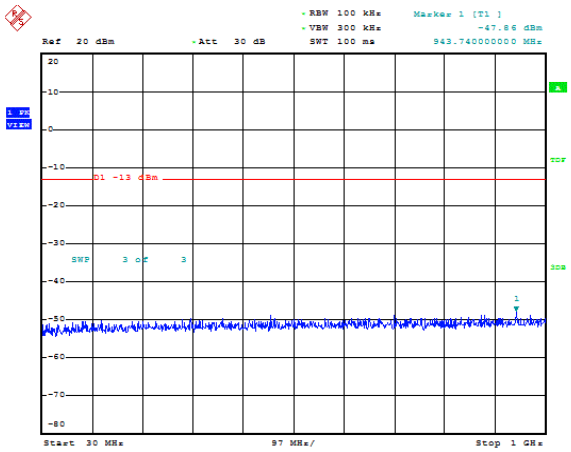
Date: 28.OCT.2020 18:09:22

Band4-10MHz-16QAM-20000-1RB#0-Range3:2000~20000MHz



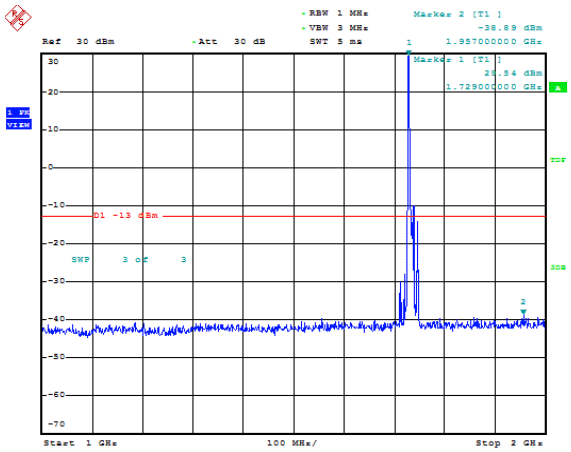
Date: 28.OCT.2020 18:09:30

Band4-10MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



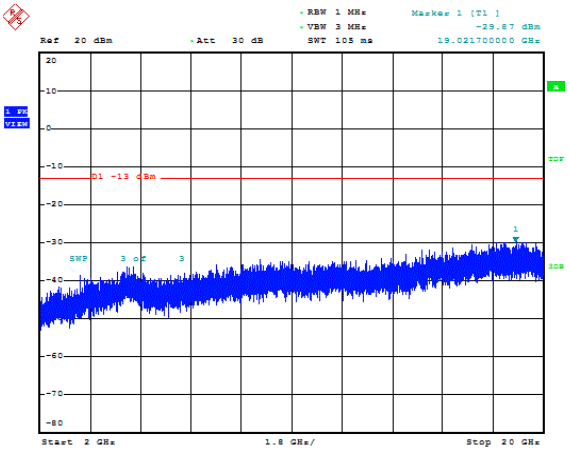
Date: 28.OCT.2020 18:10:07

Band4-10MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



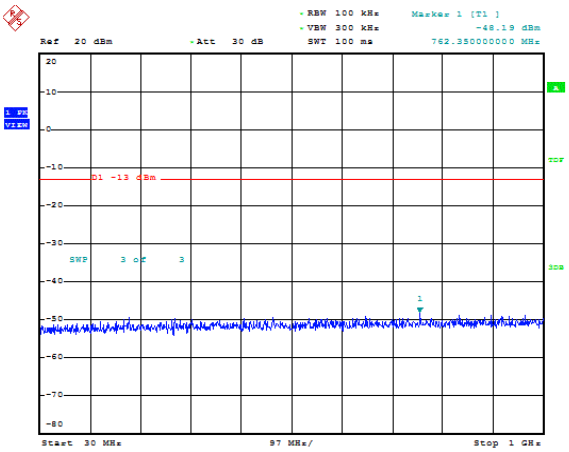
Date: 28.OCT.2020 18:10:15

Band4-10MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



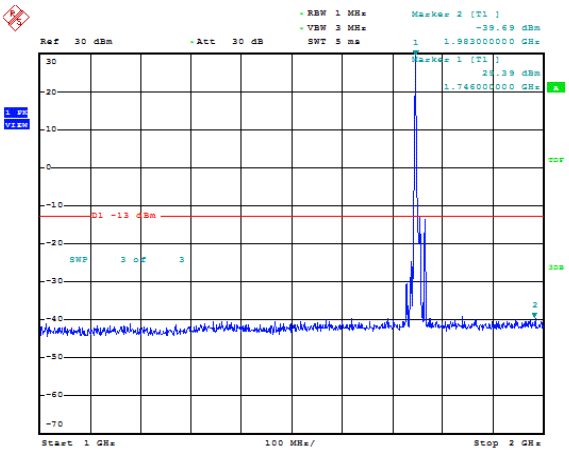
Date: 28.OCT.2020 18:10:23

Band4-10MHz-16QAM-20350-1RB#0-Range1:30~1000MHz



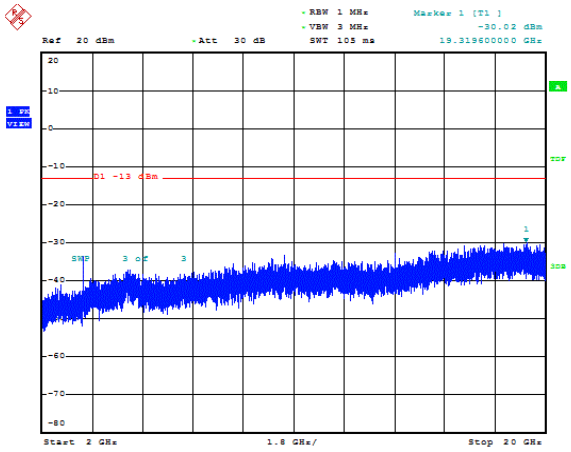
Date: 28.OCT.2020 18:10:59

Band4-10MHz-16QAM-20350-1RB#0-Range2:1000~2000MHz



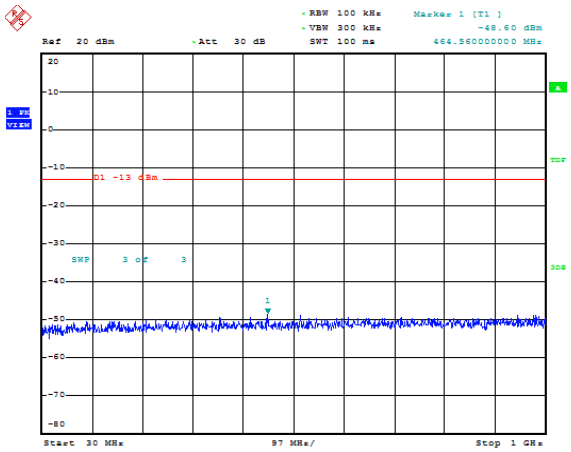
Date: 28.OCT.2020 18:11:07

Band4-10MHz-16QAM-20350-1RB#0-Range3:2000~20000MHz



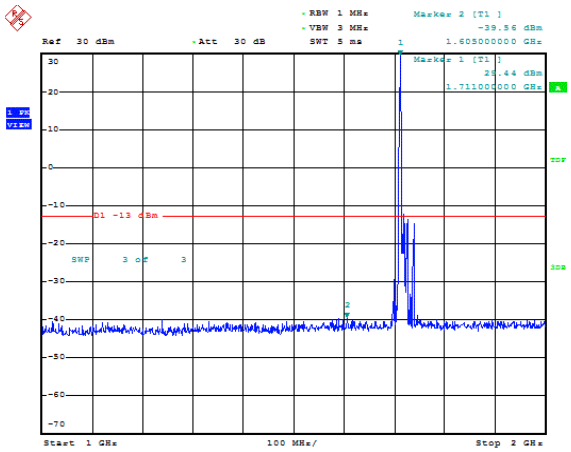
Date: 28.OCT.2020 18:11:15

Band4-15MHz-QPSK-20025-1RB#0-Range1:30~1000MHz



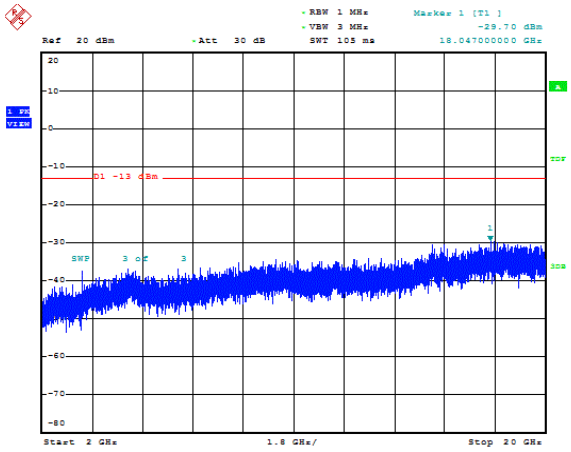
Date: 28.OCT.2020 18:17:14

Band4-15MHz-QPSK-20025-1RB#0-Range2:1000~2000MHz



Date: 28.OCT.2020 18:17:22

Band4-15MHz-QPSK-20025-1RB#0-Range3:2000~20000MHz



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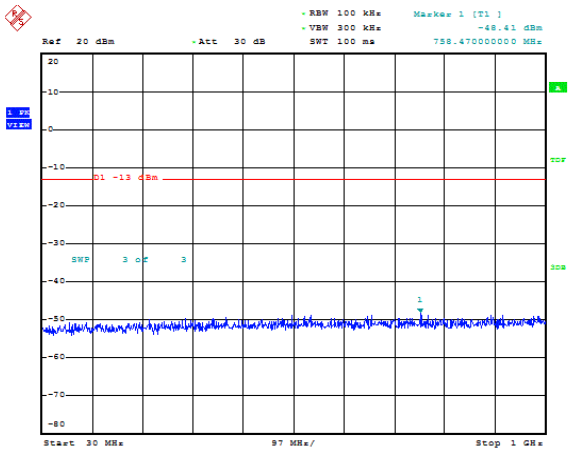
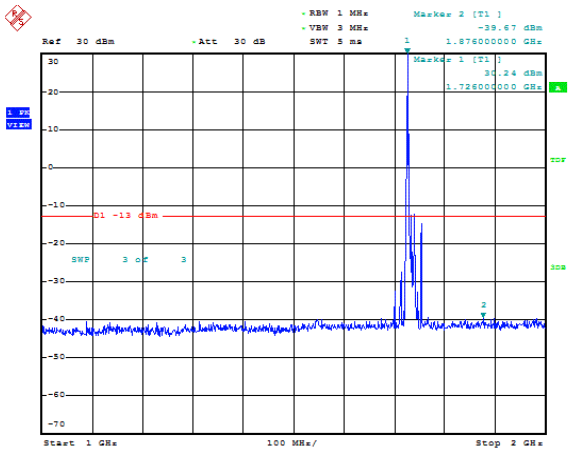
Band4-15MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



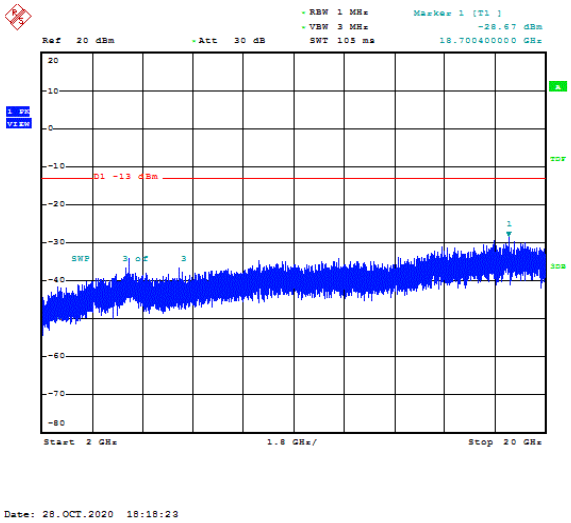
Date: 28.OCT.2020 18:18:07

Band4-15MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz

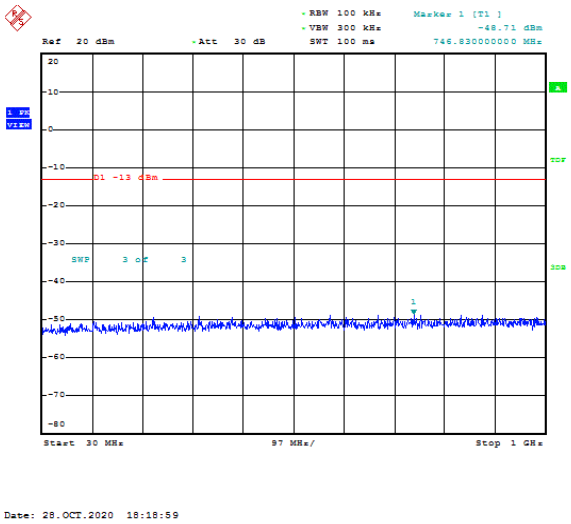


Date: 28.OCT.2020 18:18:15

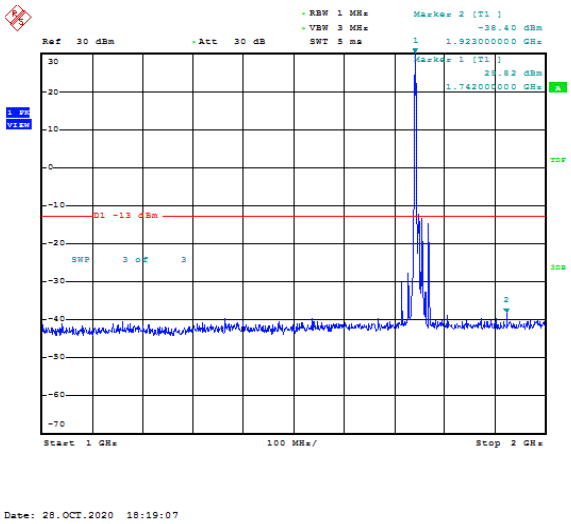
Band4-15MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



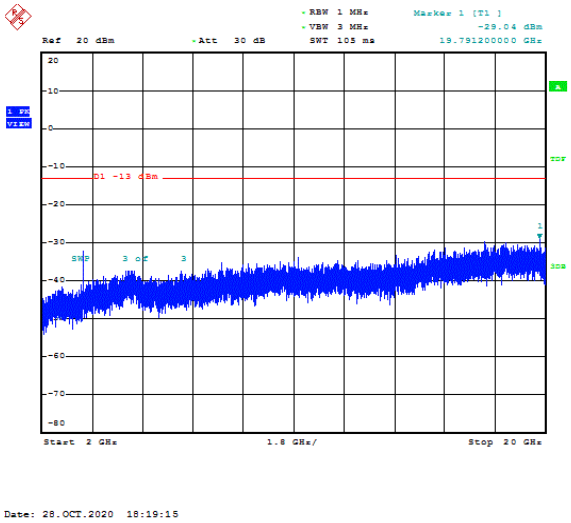
Band4-15MHz-QPSK-20325-1RB#0-Range1:30~1000MHz



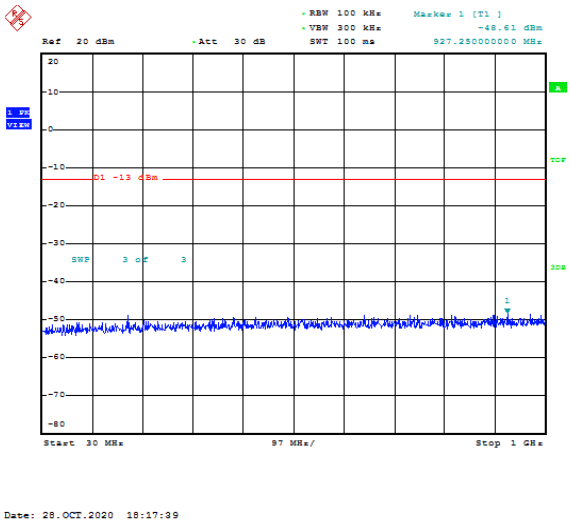
Band4-15MHz-QPSK-20325-1RB#0-Range2:1000~2000MHz



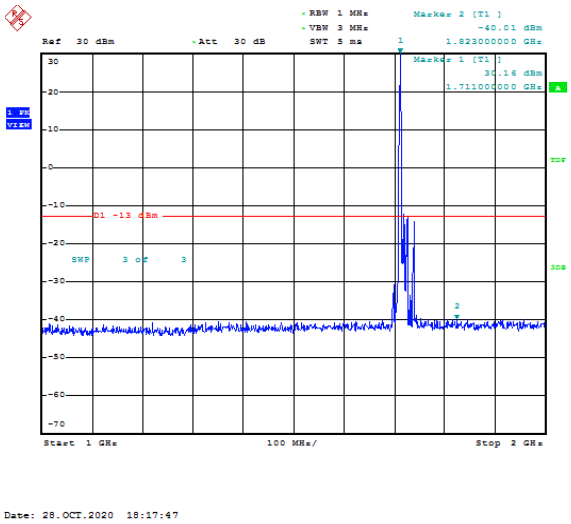
Band4-15MHz-QPSK-20325-1RB#0-Range3:2000~20000MHz



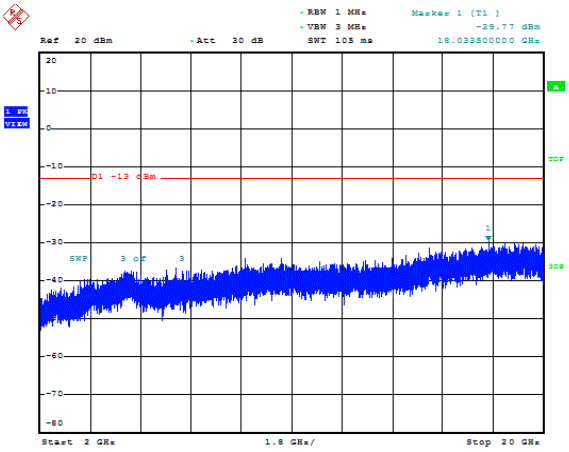
Band4-15MHz-16QAM-20025-1RB#0-Range1:30~1000MHz



Band4-15MHz-16QAM-20025-1RB#0-Range2:1000~2000MHz

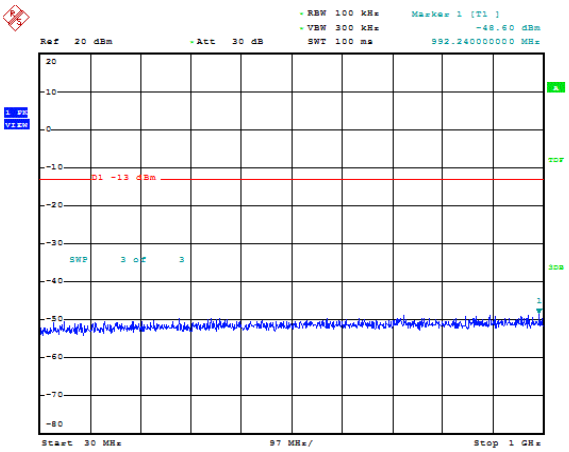


Band4-15MHz-16QAM-20025-1RB#0-Range3:2000~20000MHz



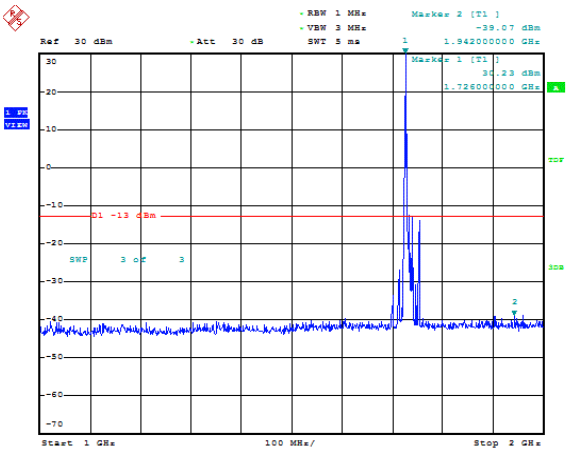
Date: 28.OCT.2020 18:17:55

Band4-15MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



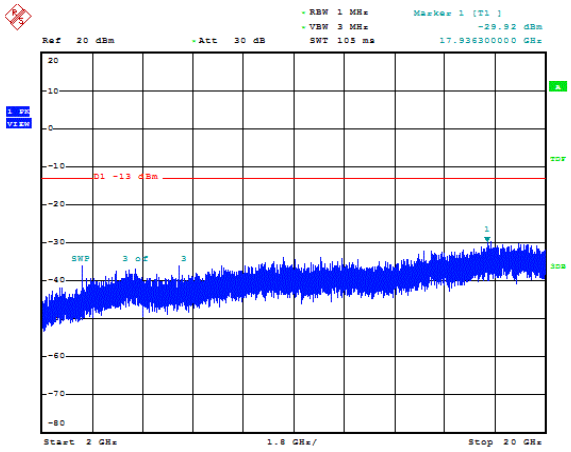
Date: 28.OCT.2020 18:18:32

Band4-15MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



Date: 28.OCT.2020 18:18:40

Band4-15MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



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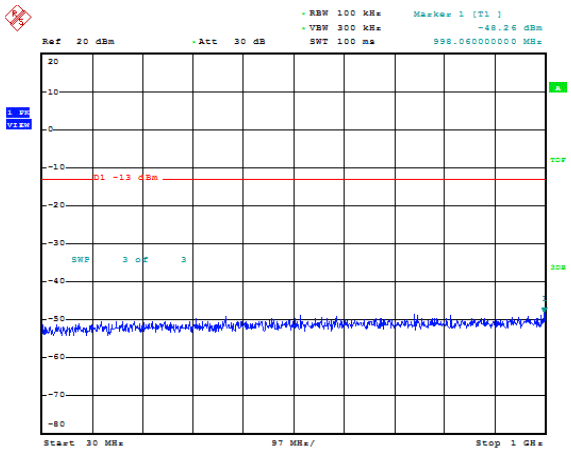
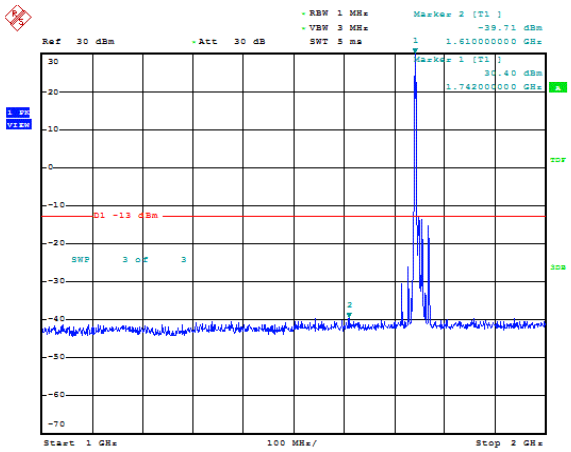
Band4-15MHz-16QAM-20325-1RB#0-Range1:30~1000MHz



Date: 28.OCT.2020 18:19:24

Band4-15MHz-16QAM-20325-1RB#0-Range2:1000~2000MHz



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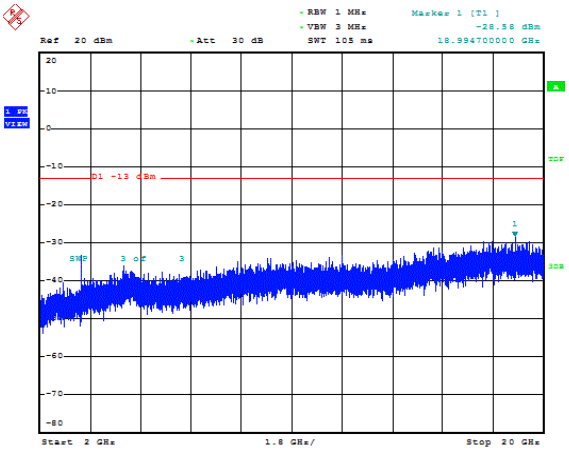
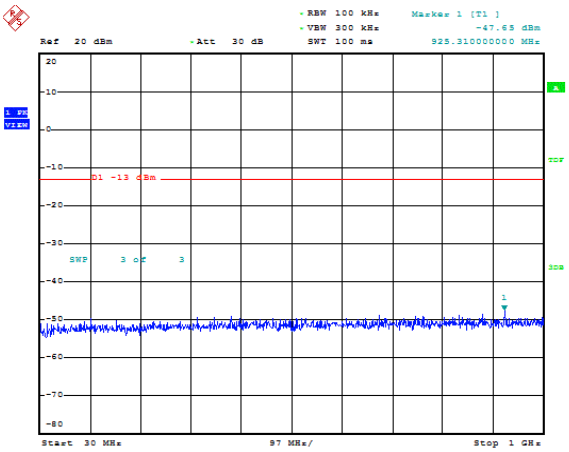
Band4-15MHz-16QAM-20325-1RB#0-Range3:2000~20000MHz



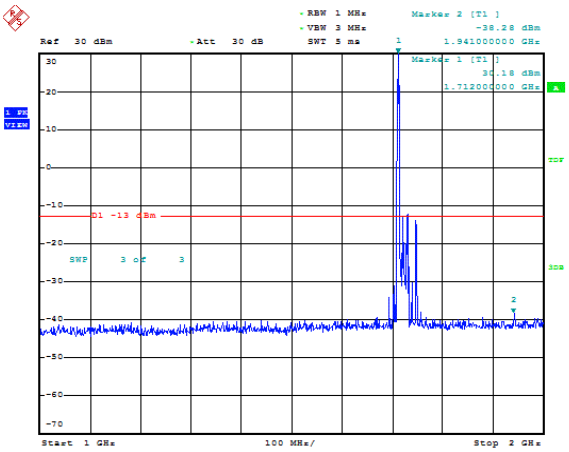
Date: 28.OCT.2020 18:19:40

Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



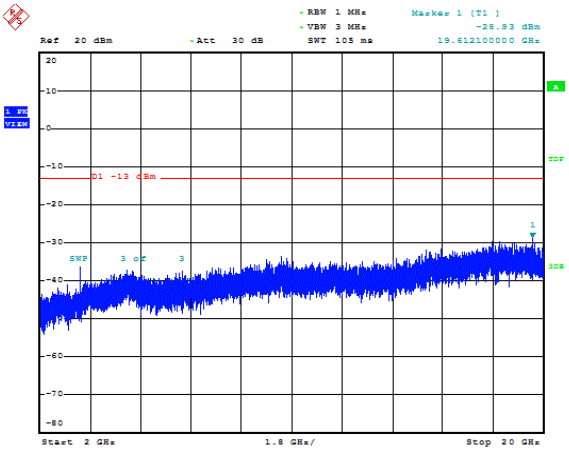
Date: 28.OCT.2020 18:32:34

Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~2000MHz



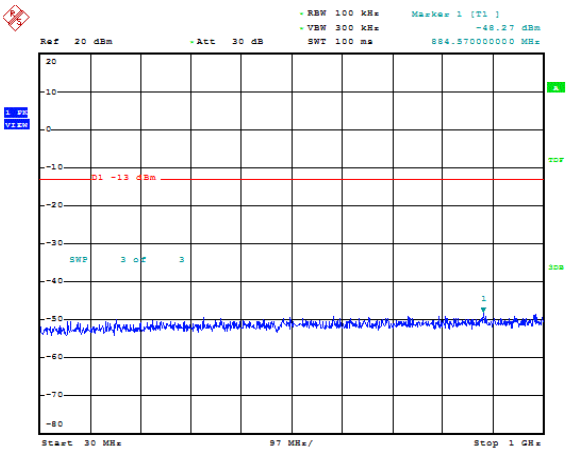
Date: 28.OCT.2020 18:32:43

Band4-20MHz-QPSK-20050-1RB#0-Range3:2000~20000MHz



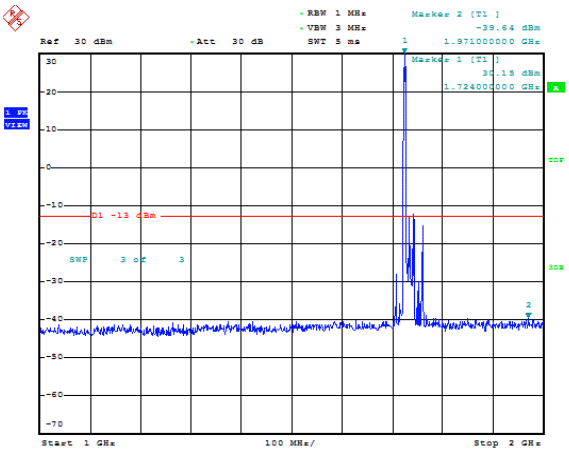
Date: 28.OCT.2020 18:32:51

Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



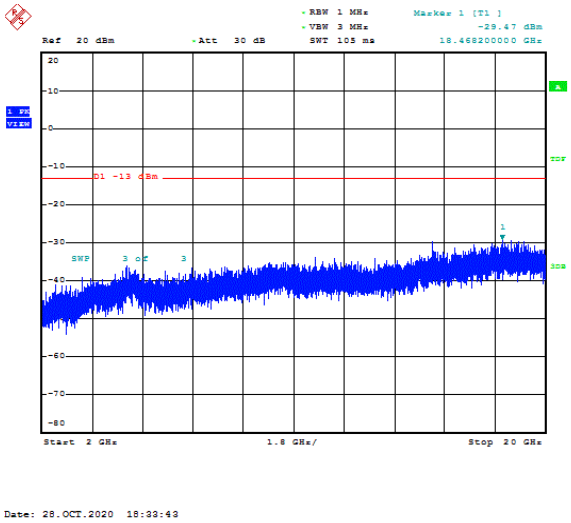
Date: 28.OCT.2020 18:33:27

Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz

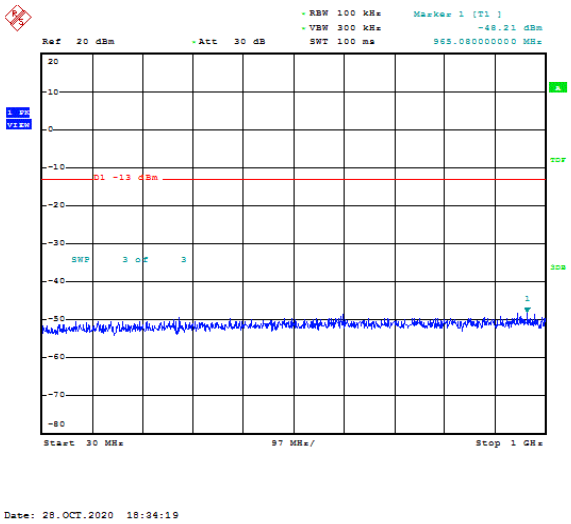


Date: 28.OCT.2020 18:33:35

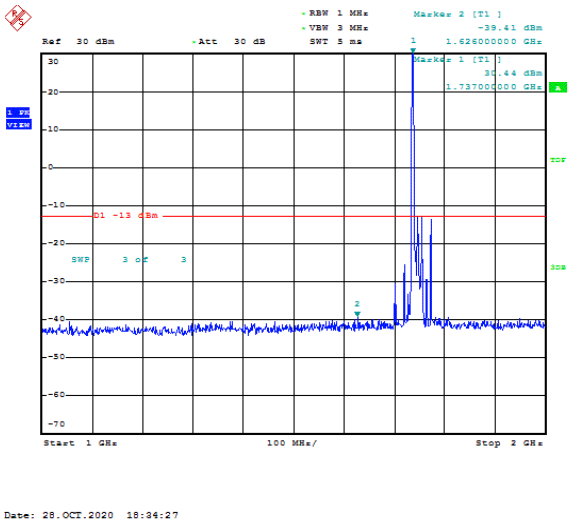
Band4-20MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



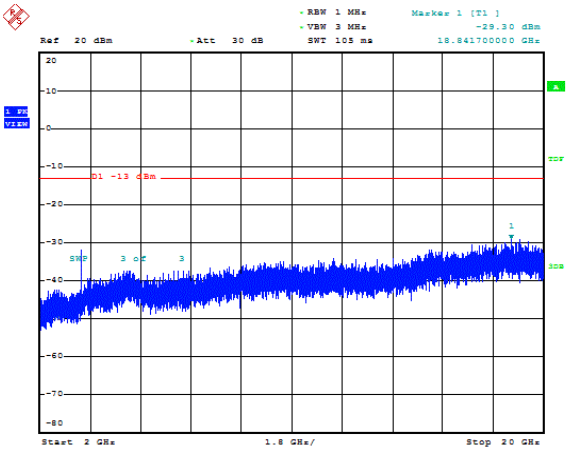
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~2000MHz

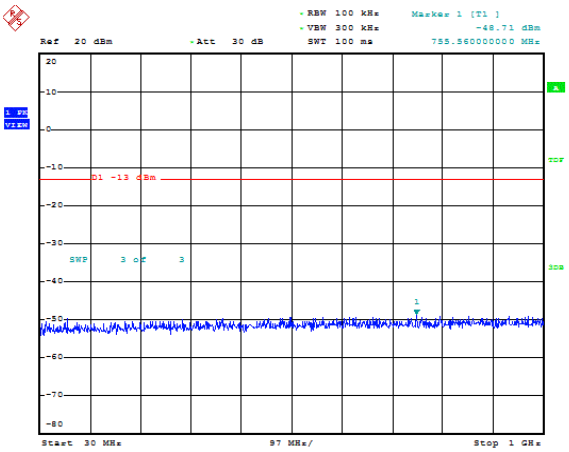


Band4-20MHz-QPSK-20300-1RB#0-Range3:2000~20000MHz



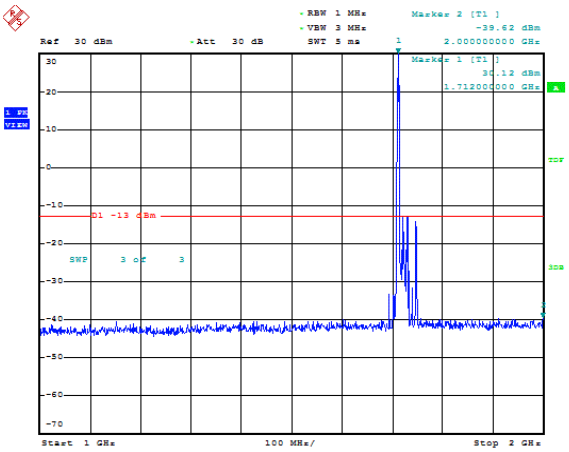
Date: 28.OCT.2020 18:34:35

Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



Date: 28.OCT.2020 18:32:59

Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~2000MHz



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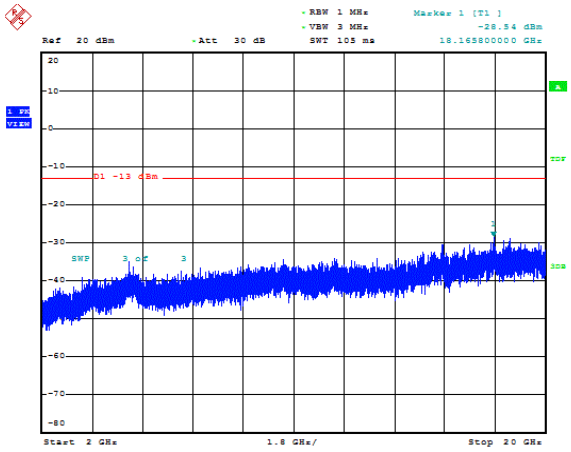
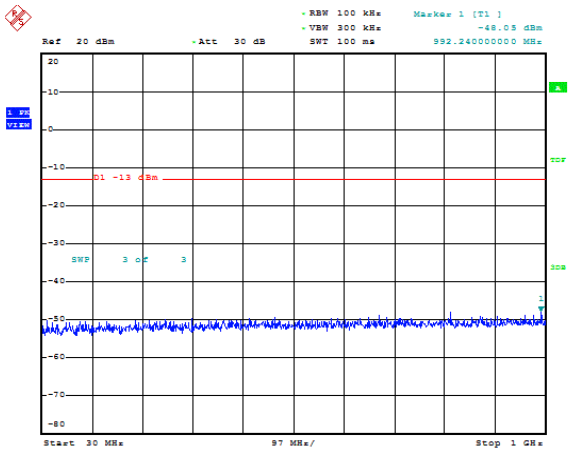
Band4-20MHz-16QAM-20050-1RB#0-Range3:2000~20000MHz



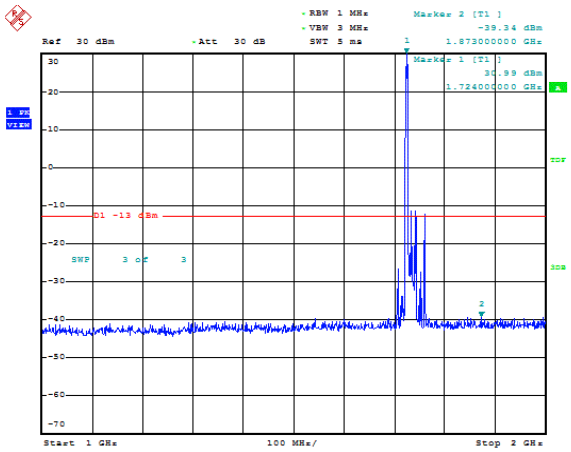
Date: 28.OCT.2020 18:33:16

Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



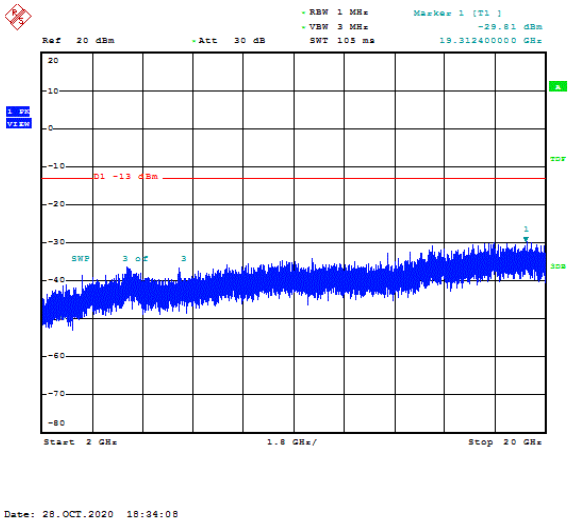
Date: 28.OCT.2020 18:33:52

Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz

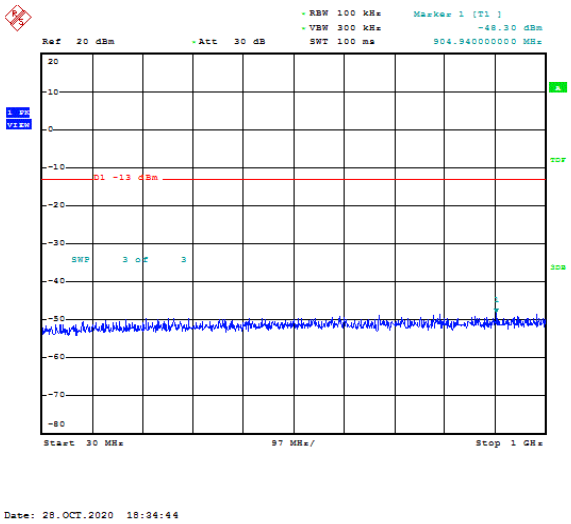


Date: 28.OCT.2020 18:34:00

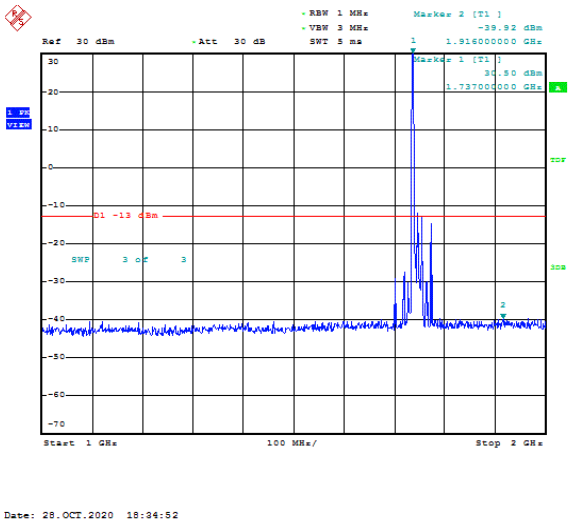
Band4-20MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



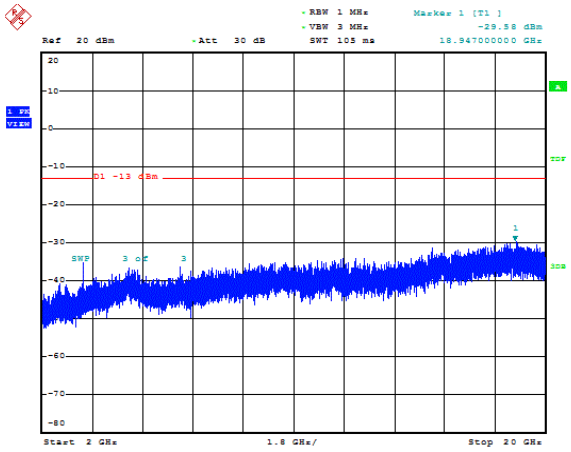
Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~2000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range3:2000~20000MHz



Date: 28.OCT.2020 18:35:00

1.6. Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	3.83	0.002239	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	4.65	0.002718	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	2.76	0.001613	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	2.95	0.001703	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	3.28	0.001893	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	2.99	0.001726	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-7.08	-0.004036	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-5.88	-0.003352	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-3.10	-0.001767	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	2.27	0.001327	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	3.62	0.002116	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-3.26	-0.001906	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-3.98	-0.002297	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	-2.86	-0.001651	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-3.48	-0.002009	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-7.97	-0.004543	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-3.55	-0.002024	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-4.69	-0.002673	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	3.52	0.002057	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	4.39	0.002565	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	-2.65	-0.001548	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	5.25	0.003030	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	3.50	0.002020	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	2.56	0.001478	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	-3.26	-0.001859	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	2.23	0.001272	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	-2.57	-0.001466	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	-3.66	-0.002138	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	3.35	0.001957	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	-4.88	-0.002851	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	-3.30	-0.001905	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-3.71	-0.002141	±2.5	PASS

Band4	3MHz	16QAM	20175	15RB#0	VH	NT	3.48	0.002009	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VL	NT	-3.83	-0.002184	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VN	NT	-3.98	-0.002270	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VH	NT	3.20	0.001825	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	5.38	0.003142	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	3.30	0.001927	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	4.84	0.002826	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	4.11	0.002372	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	3.13	0.001807	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	2.72	0.001570	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-4.96	-0.002830	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-6.02	-0.003435	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-5.36	-0.003058	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	3.40	0.001985	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	2.59	0.001512	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	3.71	0.002166	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	5.08	0.002932	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	2.66	0.001535	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	4.01	0.002315	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-5.74	-0.003275	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-5.64	-0.003218	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-4.98	-0.002842	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-4.45	-0.002595	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-5.81	-0.003388	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-5.62	-0.003277	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	3.60	0.002078	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-4.08	-0.002355	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	3.85	0.002222	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	6.75	0.003857	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	3.39	0.001937	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	4.42	0.002526	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	-3.29	-0.001918	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-9.27	-0.005405	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-4.82	-0.002810	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	2.53	0.001460	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	2.90	0.001674	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	-2.73	-0.001576	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	3.36	0.001920	±2.5	PASS

Band4	10MHz	16QAM	20350	50RB#0	VN	NT	4.71	0.002691	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	-3.30	-0.001886	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-3.30	-0.001921	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	2.12	0.001234	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	3.30	0.001921	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	3.08	0.001778	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	2.70	0.001558	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	3.79	0.002188	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	2.46	0.001408	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	6.39	0.003657	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	-2.88	-0.001648	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	-3.68	-0.002143	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	-2.36	-0.001374	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VH	NT	2.92	0.001700	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	3.22	0.001859	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	-2.65	-0.001530	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	-2.39	-0.001380	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	-3.39	-0.001940	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	-4.05	-0.002318	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	-4.56	-0.002609	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-2.30	-0.001337	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	4.08	0.002372	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	3.32	0.001930	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-3.39	-0.001957	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-4.66	-0.002690	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-3.29	-0.001899	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-4.99	-0.002860	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-6.49	-0.003719	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-5.52	-0.003163	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	4.38	0.002547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.36	0.002535	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	5.69	0.003308	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	3.19	0.001841	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	3.42	0.001974	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-3.29	-0.001899	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-5.16	-0.002957	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-6.32	-0.003622	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.91	-0.002814	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-10	3.69	0.002157	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	2.99	0.001748	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	3.00	0.001754	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-4.38	-0.002560	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	30	4.16	0.002432	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	40	2.39	0.001397	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	50	2.22	0.001298	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	-2.49	-0.001437	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	5.89	0.003400	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	2.53	0.001460	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	3.20	0.001847	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	3.35	0.001934	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	-4.76	-0.002747	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	4.43	0.002557	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-10	-5.36	-0.003055	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-4.51	-0.002571	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-4.31	-0.002457	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-6.71	-0.003825	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	30	-4.41	-0.002514	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	40	-4.39	-0.002502	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	50	-4.79	-0.002730	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-10	3.46	0.002023	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	2.83	0.001654	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	3.69	0.002157	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	4.46	0.002607	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	30	5.69	0.003326	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	40	2.62	0.001532	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	50	4.45	0.002601	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-10	-3.22	-0.001859	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	4.11	0.002372	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-5.08	-0.002932	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	3.79	0.002188	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	30	-2.96	-0.001709	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	40	4.01	0.002315	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	50	-5.32	-0.003071	±2.5	PASS

Band4	1.4MHz	16QAM	20393	6RB#0	NV	-10	-3.65	-0.002081	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-4.88	-0.002782	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-5.38	-0.003067	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-4.31	-0.002457	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	30	-7.54	-0.004298	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	40	-5.74	-0.003272	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	50	-4.95	-0.002822	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-10	2.13	0.001245	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-3.15	-0.001840	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-3.15	-0.001840	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	-4.45	-0.002600	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	30	2.62	0.001531	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	40	-3.10	-0.001811	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	50	4.63	0.002705	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	-4.12	-0.002378	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-3.10	-0.001789	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-2.23	-0.001287	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-2.63	-0.001518	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	-1.83	-0.001056	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	2.07	0.001195	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	3.60	0.002078	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-10	-3.98	-0.002270	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-3.82	-0.002179	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	-2.90	-0.001654	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	2.83	0.001614	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	30	-3.79	-0.002161	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	40	-4.76	-0.002715	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	50	-4.62	-0.002635	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-10	2.83	0.001654	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	-3.62	-0.002115	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-3.29	-0.001922	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	3.43	0.002004	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	30	3.69	0.002156	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	40	-4.16	-0.002431	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	50	-2.75	-0.001607	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-10	4.76	0.002747	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	2.90	0.001674	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	-4.45	-0.002569	±2.5	PASS

Band4	3MHz	16QAM	20175	15RB#0	NV	20	4.61	0.002661	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	30	3.40	0.001962	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	40	-3.53	-0.002038	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	50	3.98	0.002297	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-10	4.68	0.002669	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	3.46	0.001973	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	3.46	0.001973	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	3.19	0.001819	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	30	4.58	0.002612	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	40	-2.92	-0.001665	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	50	-3.13	-0.001785	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-10	3.58	0.002091	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	4.92	0.002873	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	3.65	0.002131	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	2.88	0.001682	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	30	3.30	0.001927	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	40	3.48	0.002032	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	50	4.86	0.002838	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	-2.62	-0.001512	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	4.33	0.002499	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-3.30	-0.001905	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	3.50	0.002020	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	3.98	0.002297	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-3.26	-0.001882	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-1.83	-0.001056	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-10	-5.16	-0.002944	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-6.44	-0.003675	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-5.91	-0.003372	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-3.98	-0.002271	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	30	-6.05	-0.003452	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	40	-6.39	-0.003646	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	50	-6.45	-0.003680	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-10	2.40	0.001401	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	-2.17	-0.001267	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	4.23	0.002470	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	4.31	0.002517	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	30	4.25	0.002482	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	40	4.32	0.002523	±2.5	PASS

Band4	5MHz	16QAM	19975	25RB#0	NV	50	3.46	0.002020	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-10	2.89	0.001668	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	2.69	0.001553	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	4.28	0.002470	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	4.29	0.002476	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	30	3.52	0.002032	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	40	4.18	0.002413	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	50	3.89	0.002245	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-10	-3.22	-0.001837	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	-7.24	-0.004131	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	-5.25	-0.002996	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-5.62	-0.003207	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	30	-5.02	-0.002864	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	40	-5.44	-0.003104	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	50	-4.33	-0.002471	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	-6.28	-0.003662	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-5.31	-0.003096	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-5.22	-0.003044	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-4.94	-0.002880	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-6.35	-0.003703	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	-5.75	-0.003353	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	-5.62	-0.003277	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	3.16	0.001824	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-5.14	-0.002967	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	2.52	0.001455	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	2.65	0.001530	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	-2.80	-0.001616	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	-2.55	-0.001472	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-3.81	-0.002199	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	4.92	0.002811	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	4.53	0.002589	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	3.75	0.002143	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	-2.16	-0.001234	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	4.71	0.002691	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	40	-2.12	-0.001211	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	50	3.69	0.002109	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-10	-4.69	-0.002735	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-3.66	-0.002134	±2.5	PASS

Band4	10MHz	16QAM	20000	50RB#0	NV	10	-5.01	-0.002921	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-8.18	-0.004770	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	30	-5.58	-0.003254	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	40	-5.54	-0.003230	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	50	-4.08	-0.002379	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-10	2.57	0.001483	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	3.69	0.002130	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	2.79	0.001610	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	3.50	0.002020	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	30	3.71	0.002141	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	40	6.55	0.003781	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	50	2.07	0.001195	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-10	-3.22	-0.001840	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	2.76	0.001577	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	3.19	0.001823	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	4.42	0.002526	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	30	3.32	0.001897	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	40	3.19	0.001823	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	50	1.92	0.001097	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-10	2.75	0.001601	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	3.40	0.001980	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	2.85	0.001659	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	2.13	0.001240	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	3.73	0.002172	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	-1.76	-0.001025	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	5.08	0.002958	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	3.78	0.002182	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	3.76	0.002170	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	3.05	0.001760	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-4.68	-0.002701	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	3.35	0.001934	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	2.63	0.001518	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-2.72	-0.001570	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-10	3.00	0.001717	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	3.16	0.001808	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-2.95	-0.001688	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	4.29	0.002455	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	4.53	0.002592	±2.5	PASS

Band4	15MHz	QPSK	20325	75RB#0	NV	40	-1.79	-0.001024	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	-4.32	-0.002472	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-10	2.73	0.001590	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	5.15	0.002999	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	-2.76	-0.001607	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	-4.98	-0.002900	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	30	4.72	0.002748	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	40	3.81	0.002218	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	50	-3.22	-0.001875	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-10	2.90	0.001674	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	3.28	0.001893	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	-3.00	-0.001732	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	-2.25	-0.001299	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	30	-2.26	-0.001304	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	40	4.21	0.002430	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	50	2.90	0.001674	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-10	-4.02	-0.002300	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	-3.09	-0.001768	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	-4.55	-0.002604	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	3.20	0.001831	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	30	-3.03	-0.001734	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	40	2.53	0.001448	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	50	-3.22	-0.001843	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	4.76	0.002767	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	1.86	0.001081	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	2.66	0.001547	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	3.40	0.001977	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	1.63	0.000948	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	3.15	0.001831	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	4.56	0.002651	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-6.01	-0.003469	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	5.56	0.003209	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.98	-0.001720	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	3.23	0.001864	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-3.03	-0.001749	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	3.98	0.002297	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.03	0.001172	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-3.52	-0.002017	±2.5	PASS

Band4	20MHz	QPSK	20300	100RB#0	NV	0	-4.13	-0.002367	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-3.82	-0.002189	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-4.79	-0.002745	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-3.86	-0.002212	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-4.59	-0.002630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-4.43	-0.002539	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	2.68	0.001558	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	4.95	0.002878	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	3.92	0.002279	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	2.79	0.001622	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	4.05	0.002355	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	3.71	0.002157	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	3.68	0.002140	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	4.52	0.002609	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	3.39	0.001957	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	1.72	0.000993	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	3.29	0.001899	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	4.08	0.002355	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-1.79	-0.001033	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	3.22	0.001859	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-5.05	-0.002894	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-4.46	-0.002556	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-2.42	-0.001387	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-5.02	-0.002877	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-4.05	-0.002321	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-5.76	-0.003301	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-6.85	-0.003926	±2.5	PASS

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