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Main 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	22.98	23.15	23.19
			Middle	22.89	23.12	22.99
			High	22.93	23.06	23.08
		3	Low	21.58	21.67	21.52
			Middle	21.56	21.72	21.45
			High	21.53	21.59	21.41
		6	/	21.50	21.31	20.93
	16QAM	1	Low	22.70	22.80	22.80
			Middle	22.68	22.73	22.58
			High	22.61	22.72	22.71
		3	Low	20.93	21.01	20.98
			Middle	20.91	20.95	20.78
			High	20.84	20.94	20.90
		6	/	20.62	20.74	20.60
3	QPSK	1	Low	23.05	23.13	23.15
			Middle	22.95	23.10	22.95
			High	23.00	23.04	23.04
		8	Low	21.64	21.65	21.48
			Middle	21.62	21.70	21.41
			High	21.59	21.57	21.38
		15	/	21.56	21.29	20.90
	16QAM	1	Low	22.77	22.78	22.76
			Middle	22.74	22.71	22.54
			High	22.67	22.70	22.67
		8	Low	20.99	20.99	20.95
			Middle	20.97	20.93	20.74
			High	20.90	20.92	20.86
		15	/	20.68	20.72	20.57

5	QPSK	1	Low	23.00	23.18	23.11
			Middle	22.91	23.14	22.92
			High	22.95	23.09	23.00
		12	Low	21.59	21.69	21.45
			Middle	21.58	21.75	21.38
			High	21.55	21.61	21.34
		25	/	21.52	21.34	20.86
	16QAM	1	Low	22.72	22.82	22.72
			Middle	22.69	22.76	22.50
			High	22.63	22.75	22.63
		12	Low	20.95	21.03	20.91
			Middle	20.92	20.97	20.71
			High	20.86	20.97	20.83
		25	/	20.64	20.77	20.54
10	QPSK	1	Low	22.97	23.20	23.10
			Middle	22.88	23.17	22.90
			High	22.92	23.12	22.98
		25	Low	21.57	21.72	21.43
			Middle	21.55	21.77	21.36
			High	21.52	21.64	21.33
		50	/	21.49	21.36	20.85
	16QAM	1	Low	22.70	22.85	22.71
			Middle	22.67	22.78	22.49
			High	22.60	22.78	22.62
		25	Low	20.92	21.06	20.90
			Middle	20.90	21.00	20.70
			High	20.84	20.99	20.82
		50	/	20.61	20.79	20.52
15	QPSK	1	Low	23.02	23.18	23.12
			Middle	22.93	23.14	22.93
			High	22.97	23.09	23.01
		38	Low	21.61	21.69	21.46
			Middle	21.60	21.74	21.39
			High	21.57	21.61	21.35
		75	/	21.54	21.34	20.88
	16QAM	1	Low	22.74	22.82	22.73
			Middle	22.72	22.76	22.51

			High	22.65	22.75	22.64
		38	Low	20.97	21.03	20.92
			Middle	20.94	20.97	20.72
			High	20.88	20.96	20.84
		75	/	20.66	20.76	20.55
20	QPSK	1	Low	23.07	**23.25**	23.20
			Middle	22.98	23.22	23.01
			High	23.02	23.16	23.09
		50	Low	21.66	21.76	21.53
			Middle	21.64	21.82	21.46
			High	21.62	21.68	21.43
		100	/	21.58	21.41	20.94
	16QAM	1	Low	22.48	22.63	22.57
			Middle	22.45	22.56	22.35
			High	22.39	22.55	22.48
		50	Low	20.72	20.85	20.77
			Middle	20.70	20.79	20.57
			High	20.64	20.78	20.69
		100	/	20.42	20.59	20.40

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

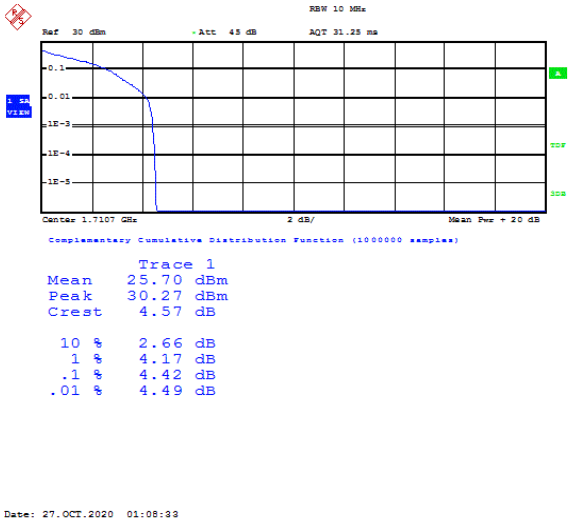
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.42	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.10	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.68	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.32	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.74	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.35	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.54	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.06	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.83	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.31	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.58	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.28	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.39	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.16	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.71	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.35	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.71	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.42	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.16	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.09	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.54	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.28	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.58	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.35	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.42	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.22	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.68	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.35	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.68	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.32	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.38	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.09	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.61	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.22	13	PASS

Band4	5MHz	16QAM	20375	1RB#0	5.45	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.25	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.42	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.22	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.74	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.22	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.55	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.29	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.16	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.22	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.71	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.25	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.74	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.25	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	6.51	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.77	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	6.60	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.74	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	6.70	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.80	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.29	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.79	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	6.57	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.76	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.33	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.79	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.55	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	6.38	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.58	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.38	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.62	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.38	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.55	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	7.21	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	4.65	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	7.28	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	4.55	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	7.15	13	PASS

Test Graphs

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



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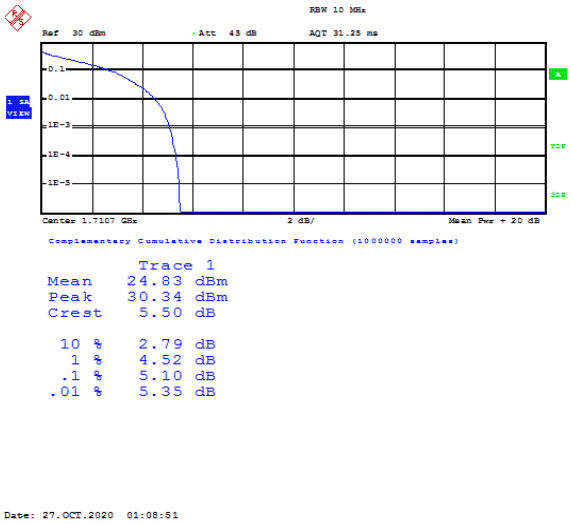

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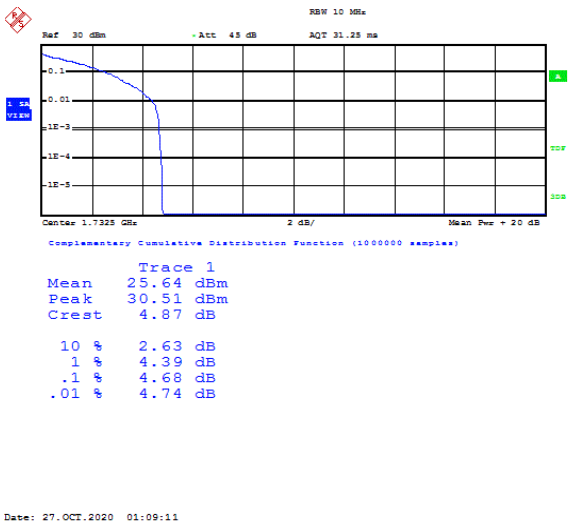

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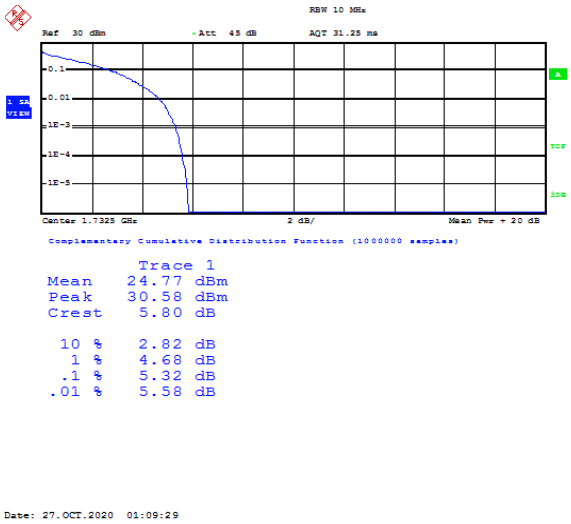

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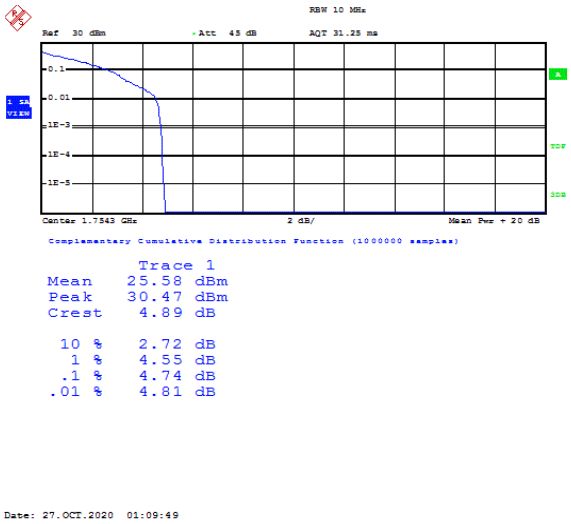

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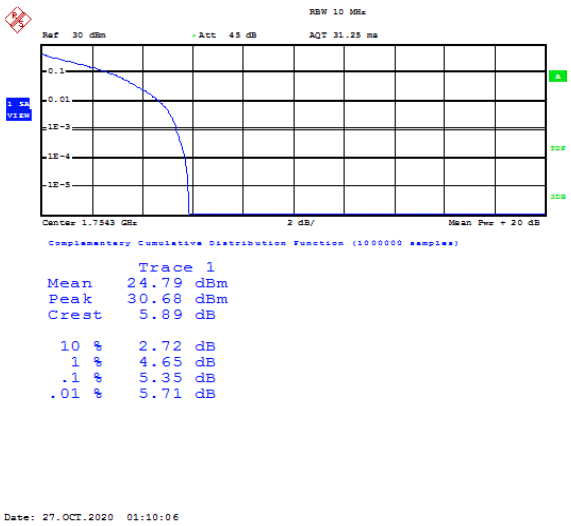

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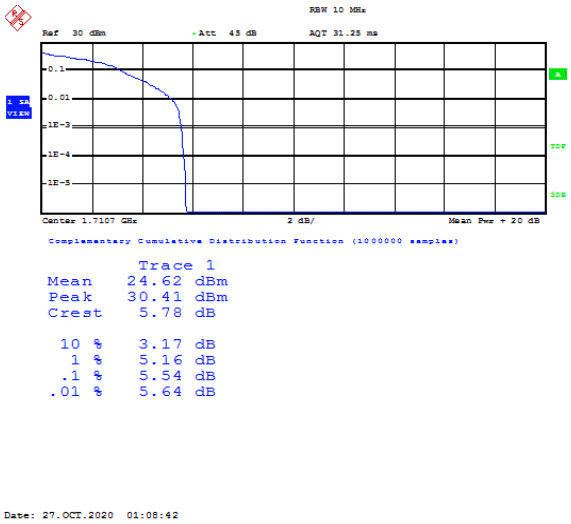

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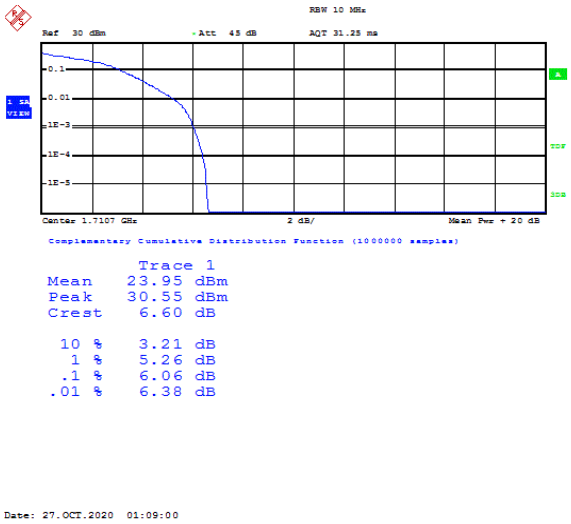

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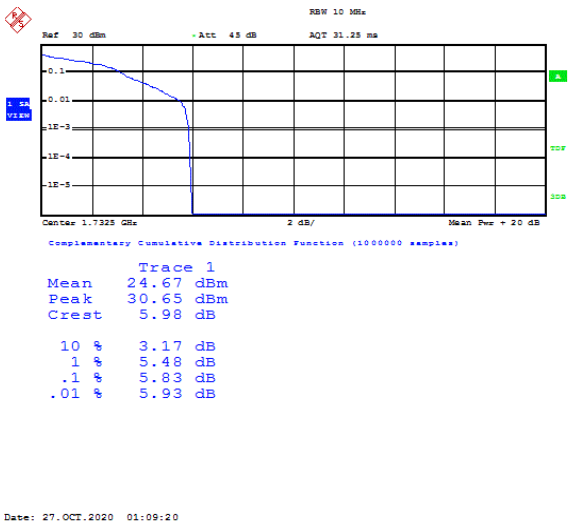

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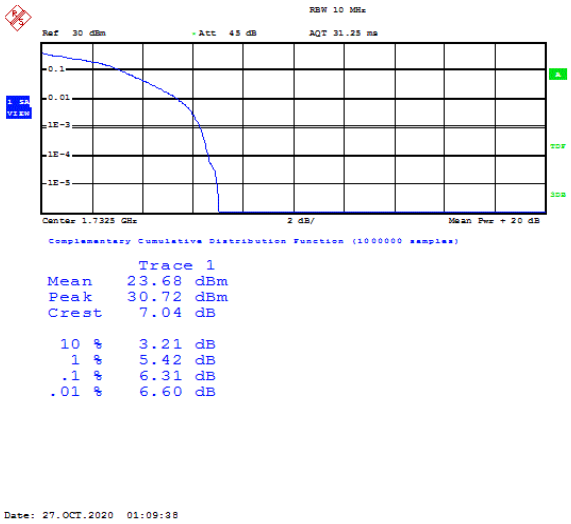

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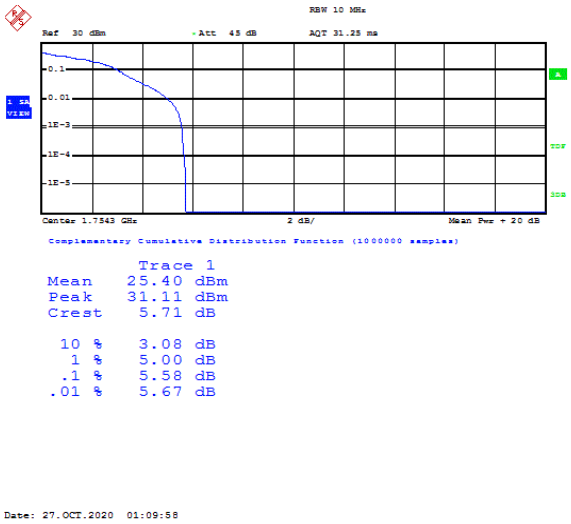

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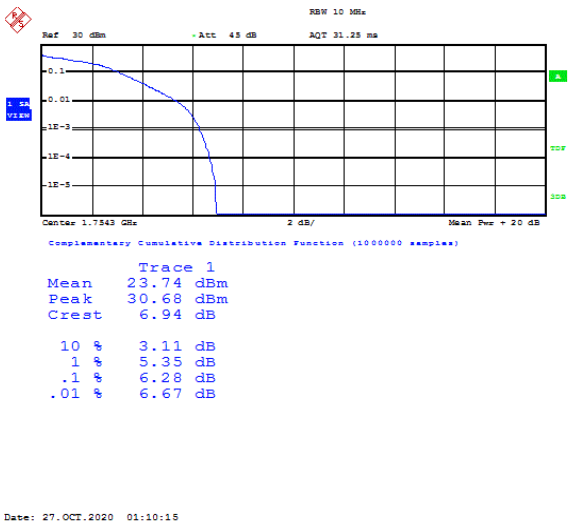

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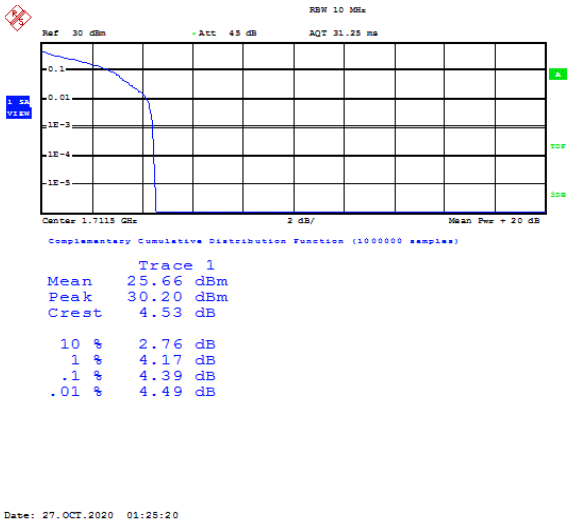

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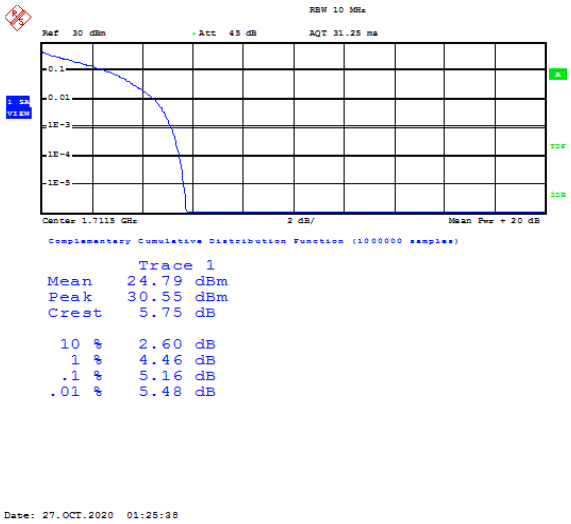

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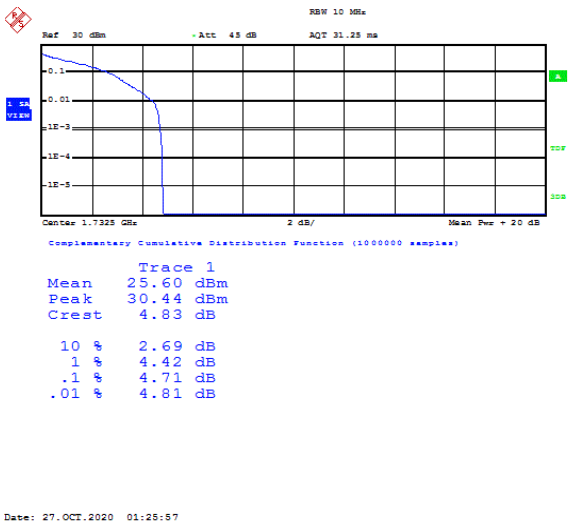

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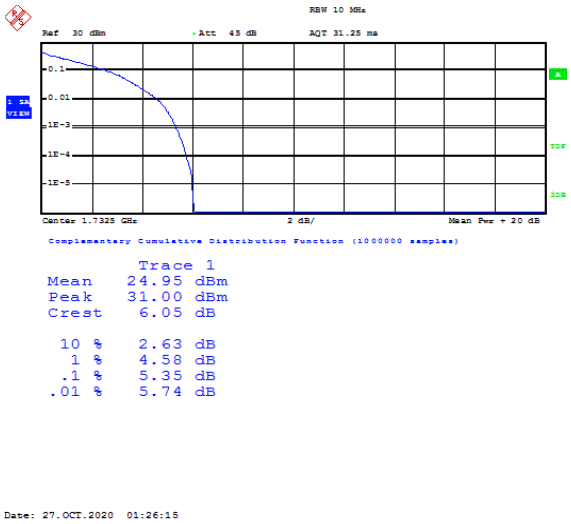

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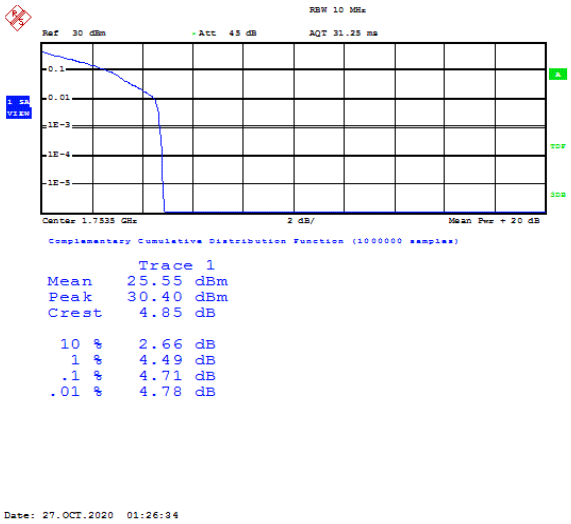

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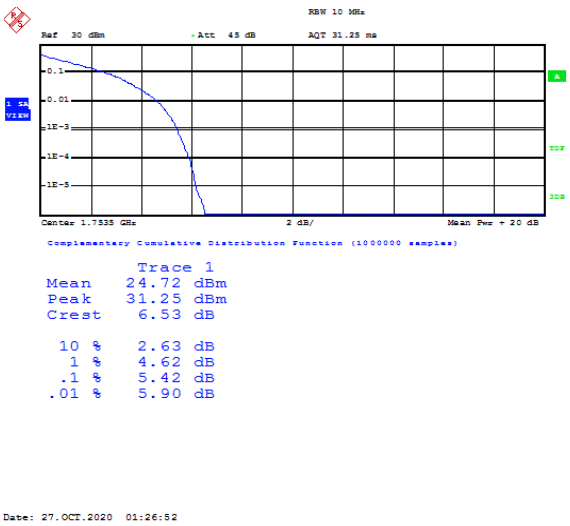

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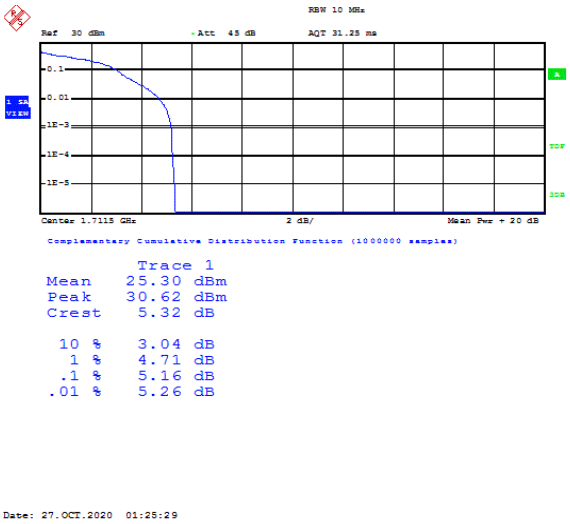

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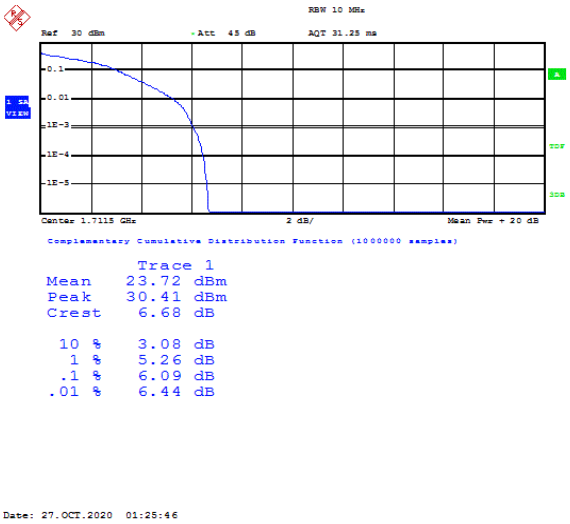

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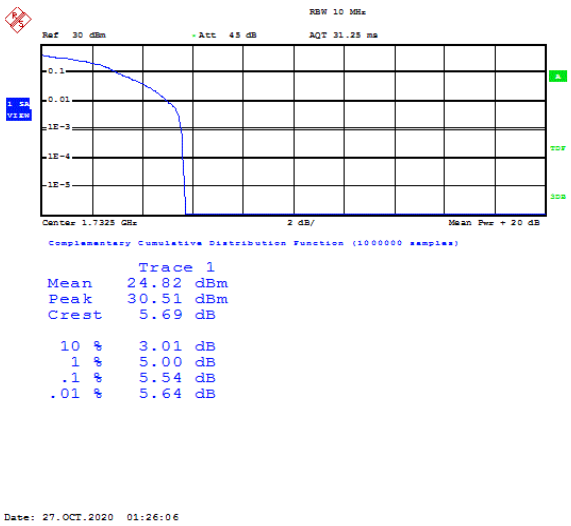

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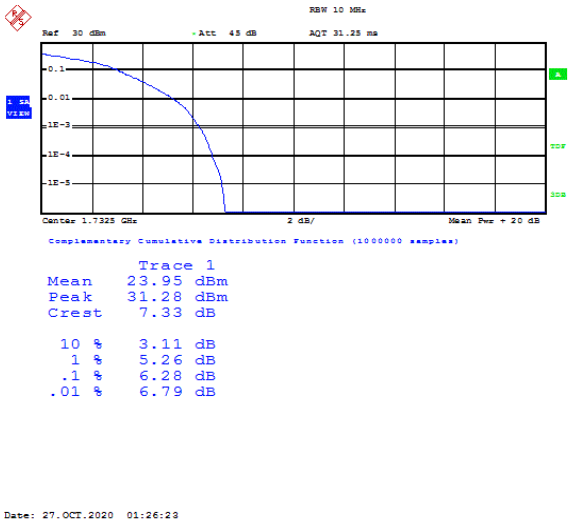

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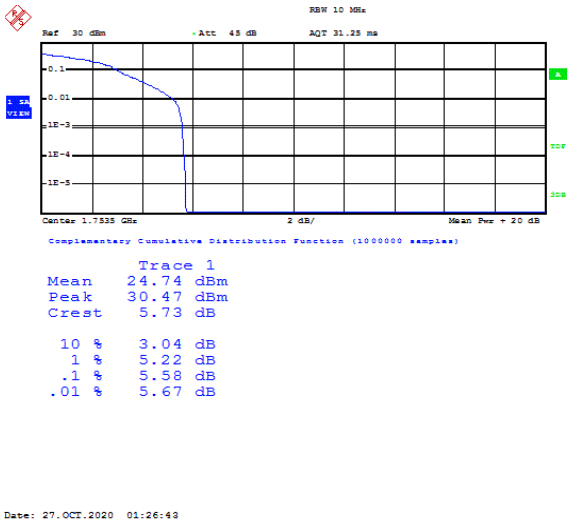

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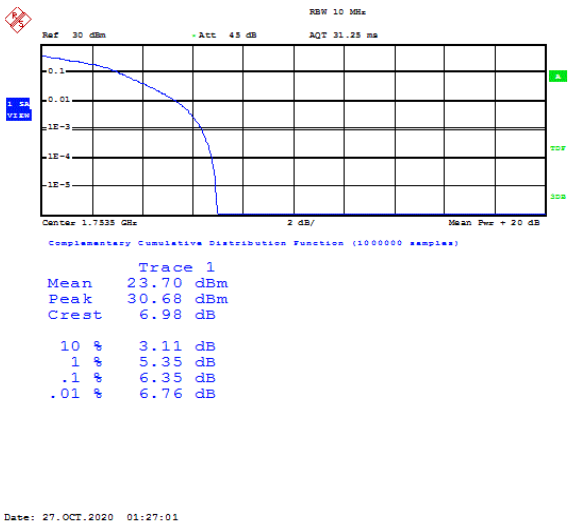

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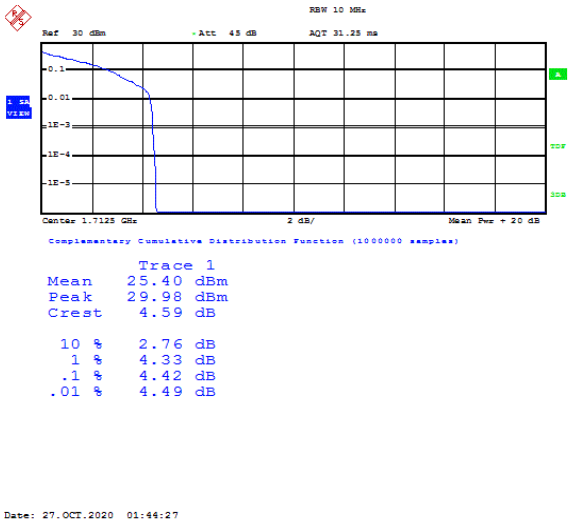

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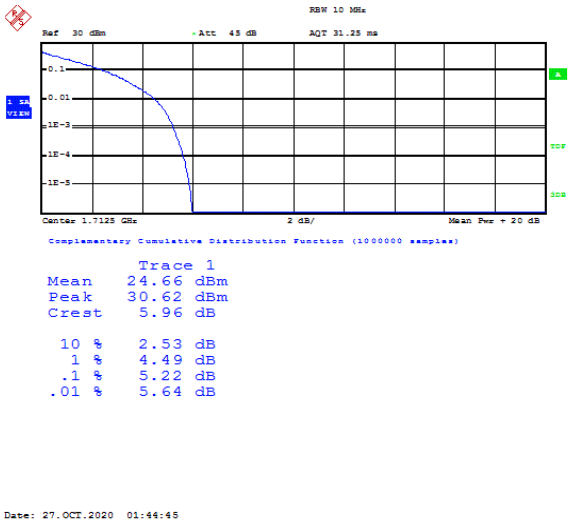

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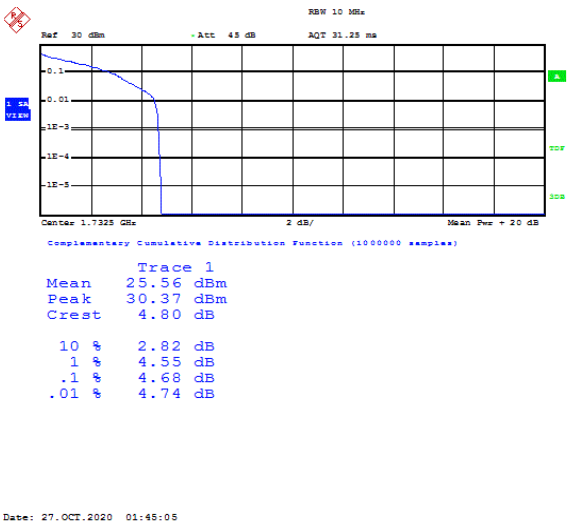

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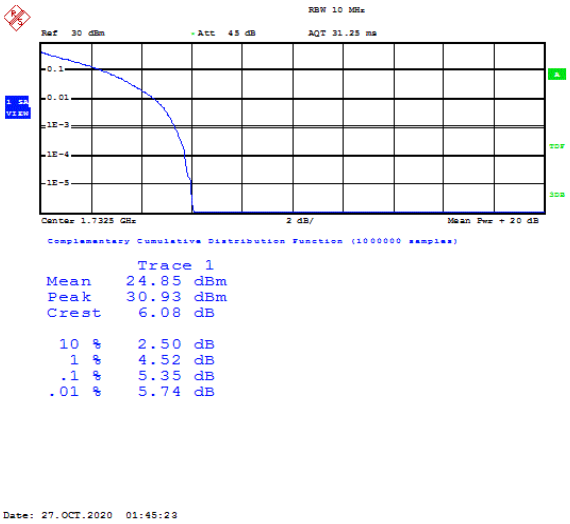

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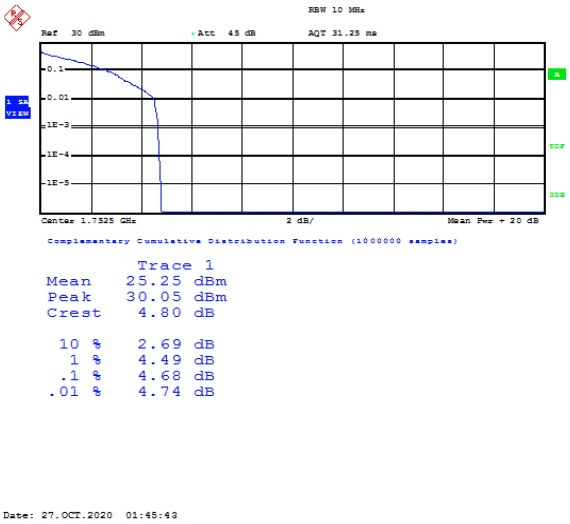

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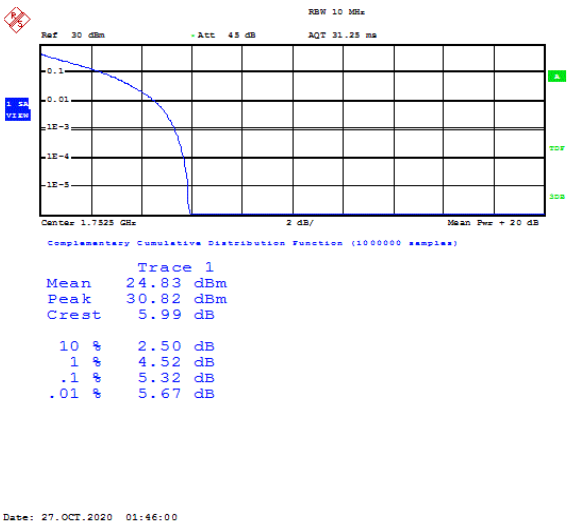

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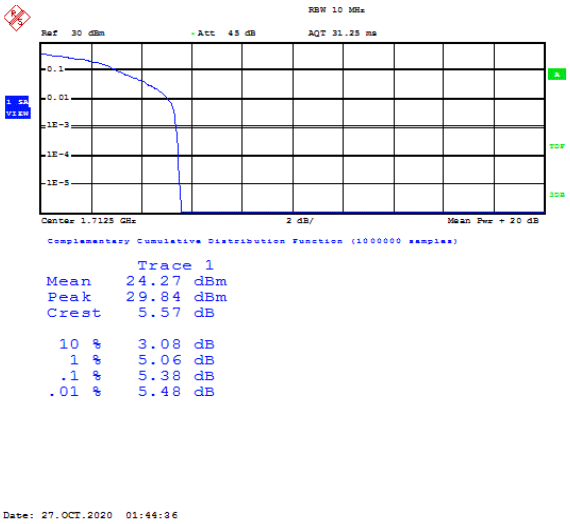

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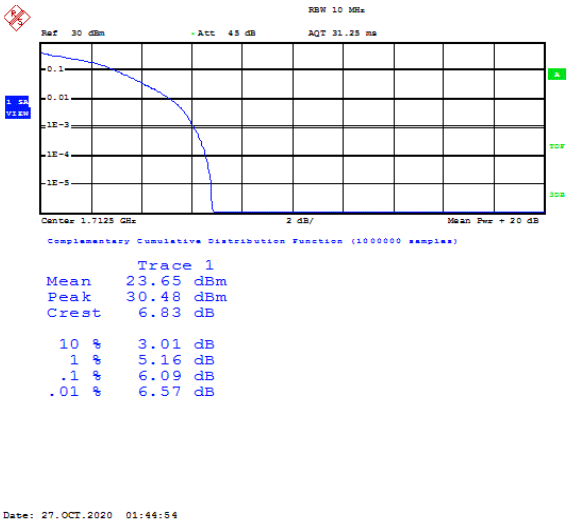

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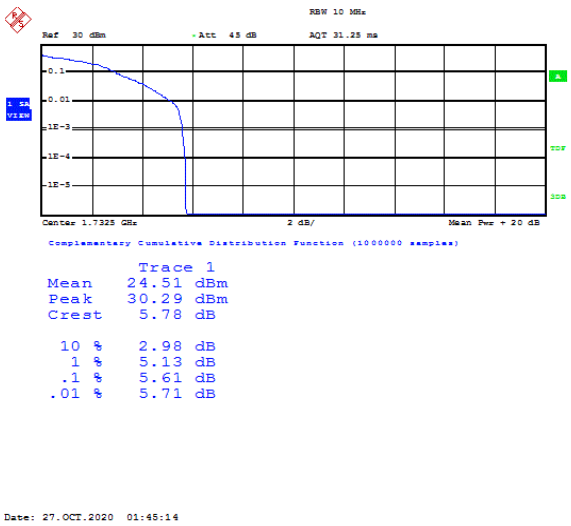

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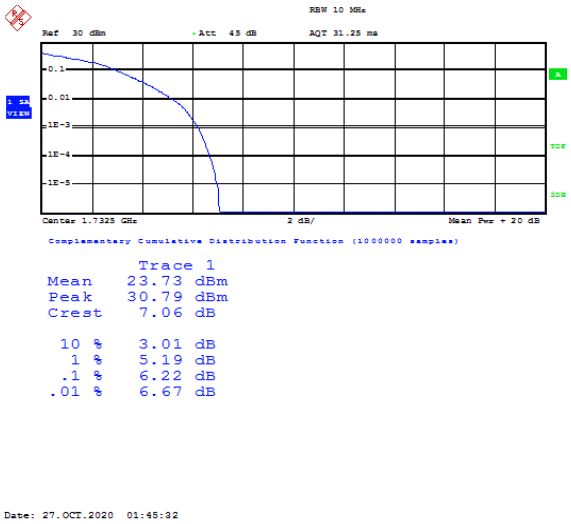

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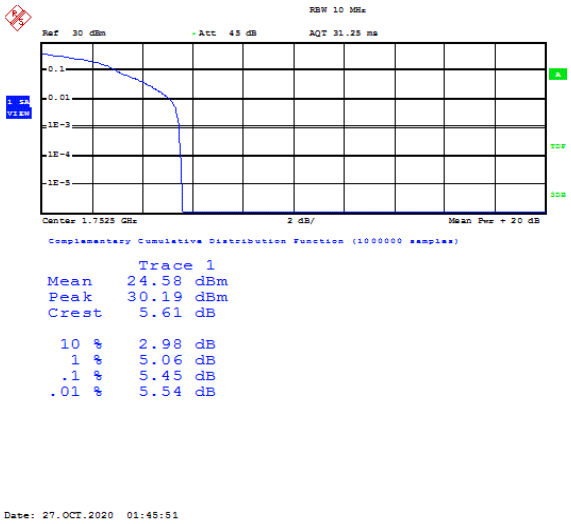

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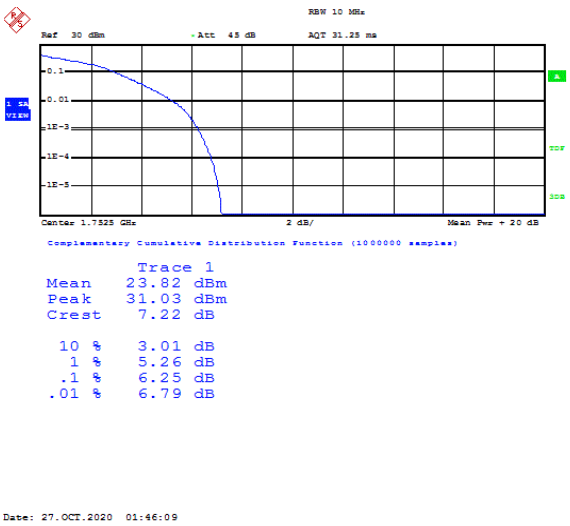

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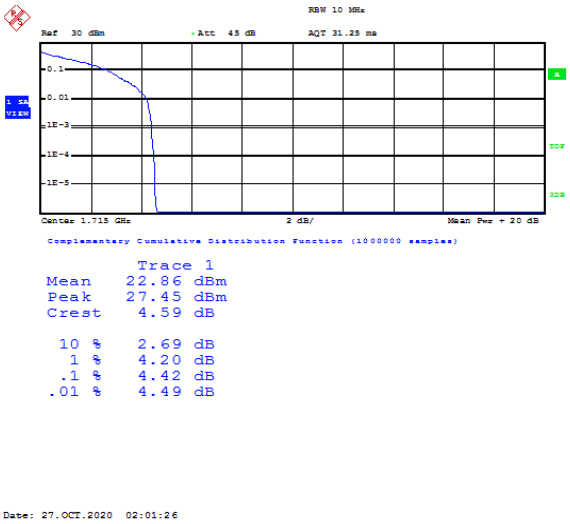

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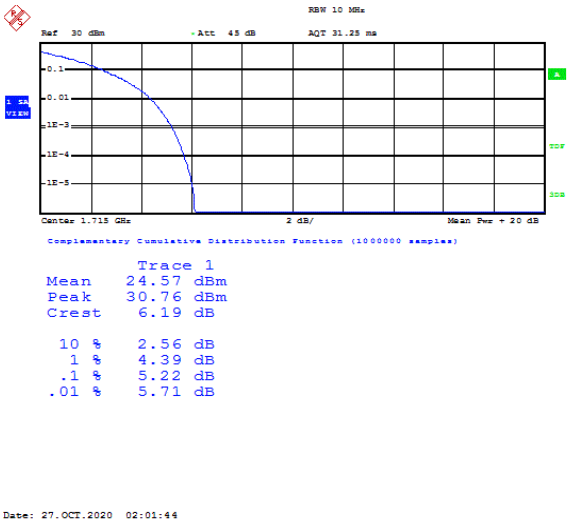

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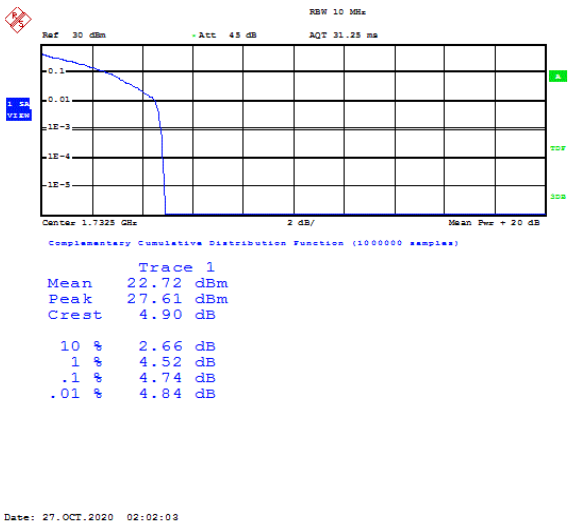

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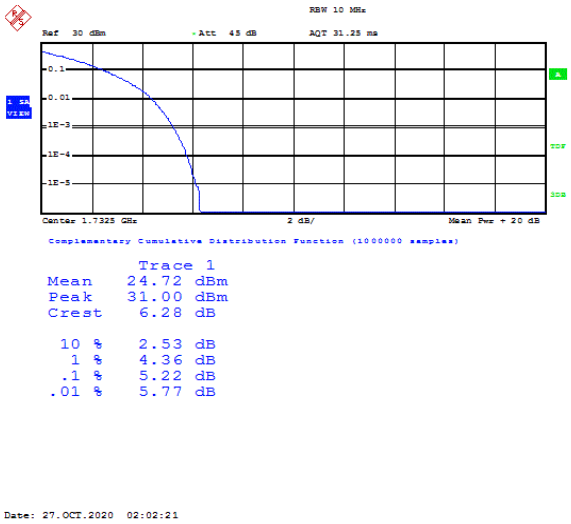

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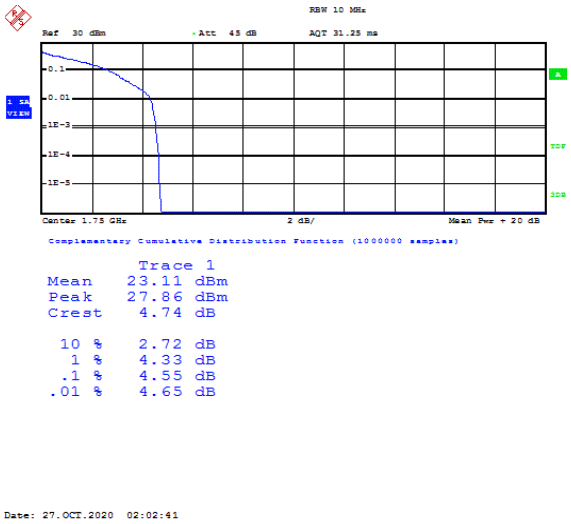

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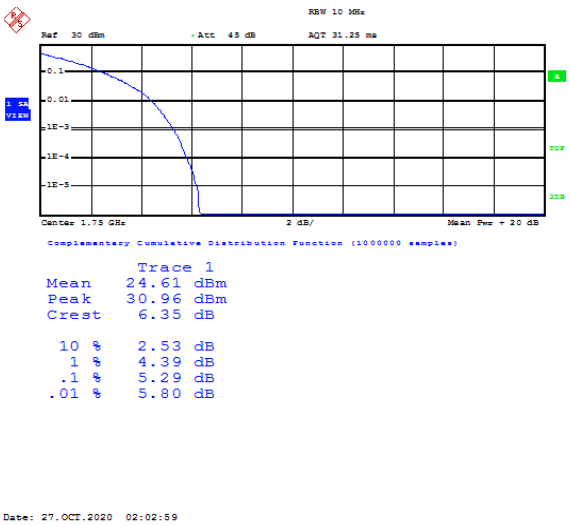

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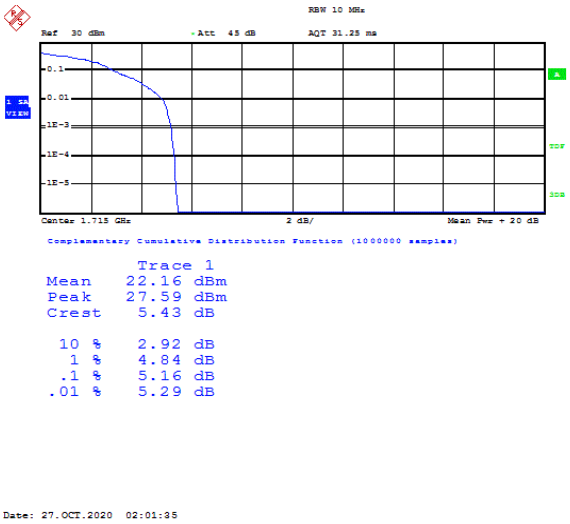

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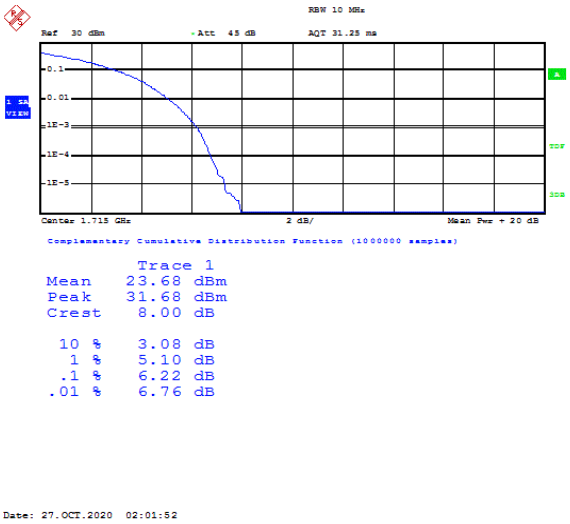

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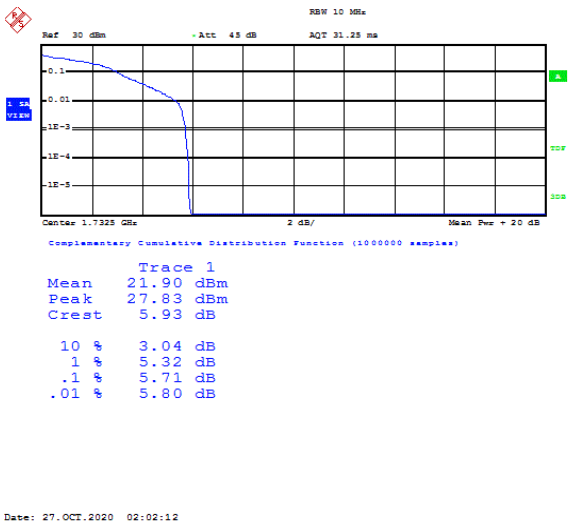

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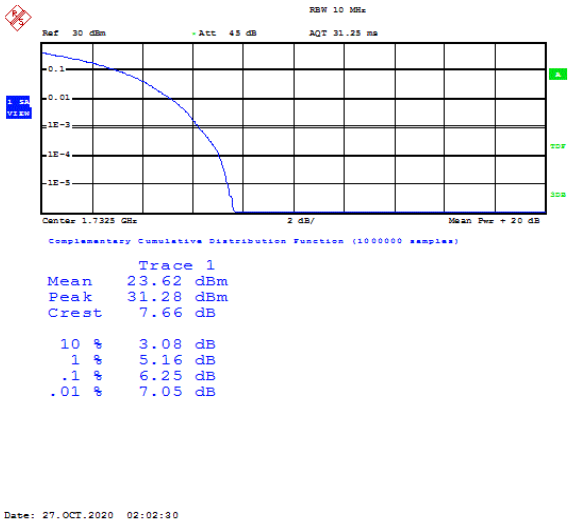

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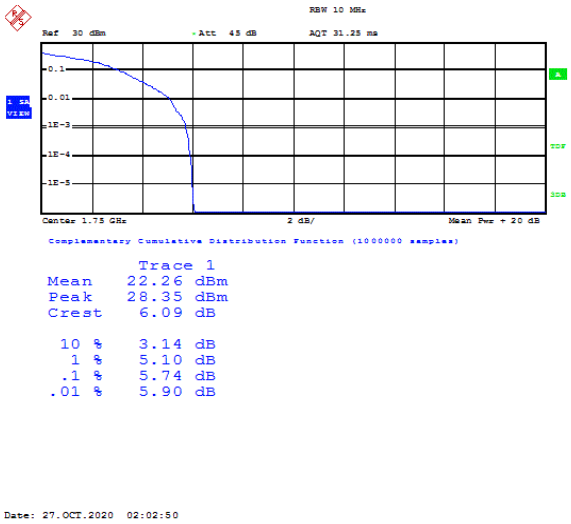

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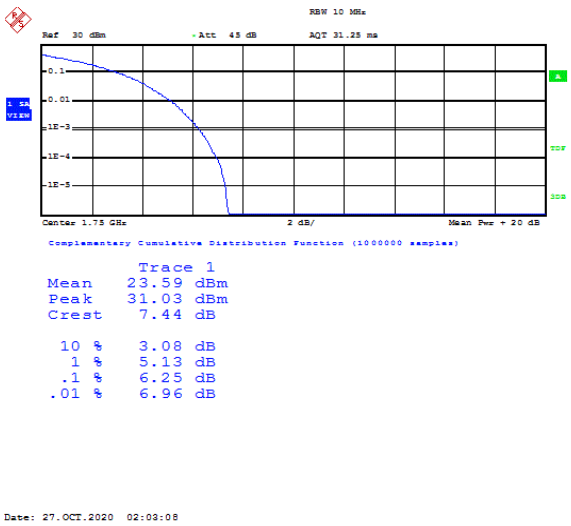

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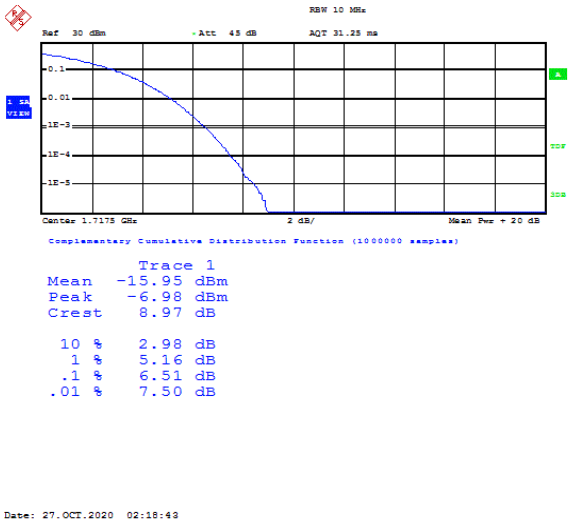

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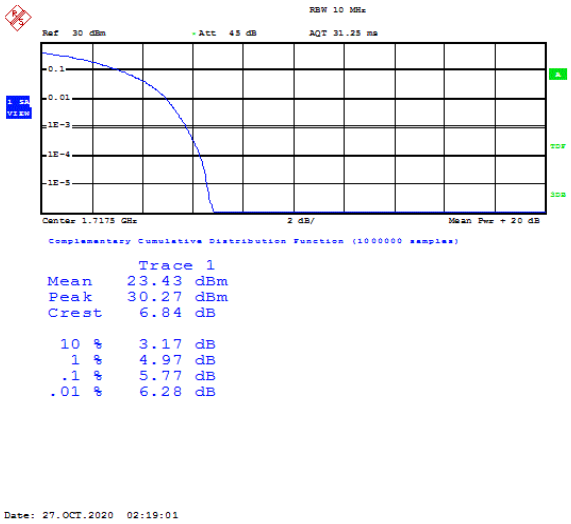

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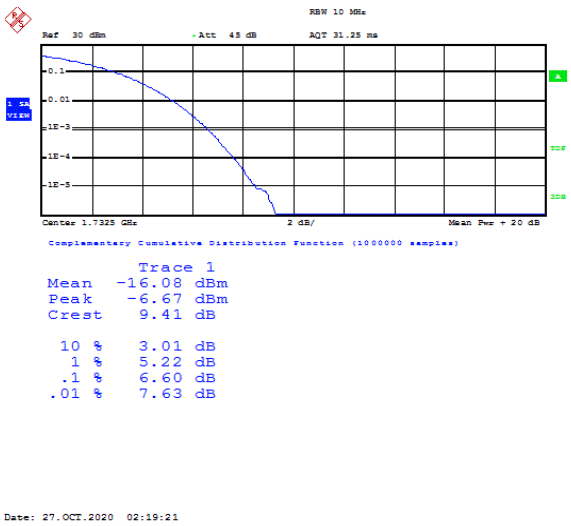

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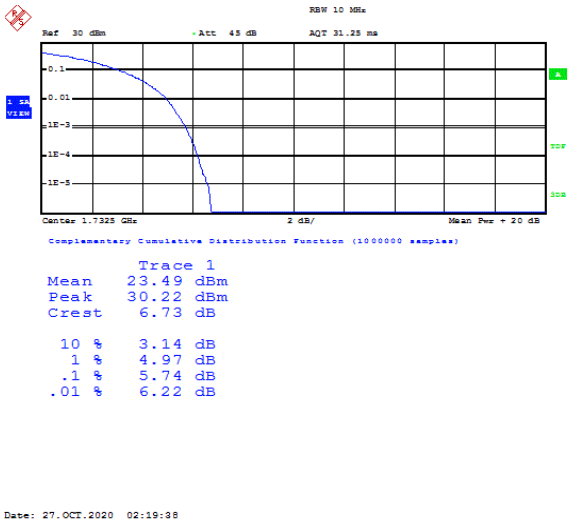

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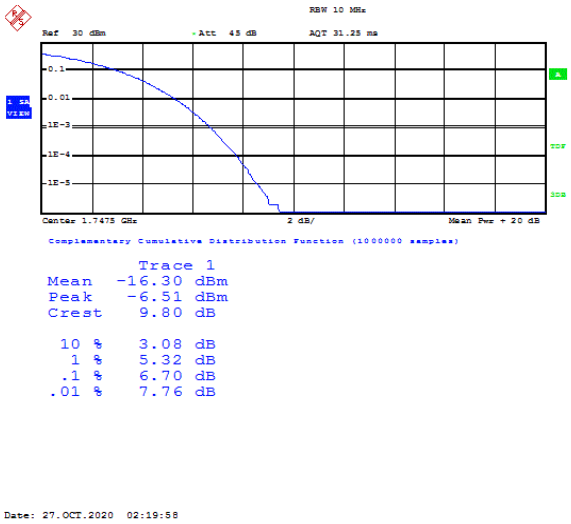

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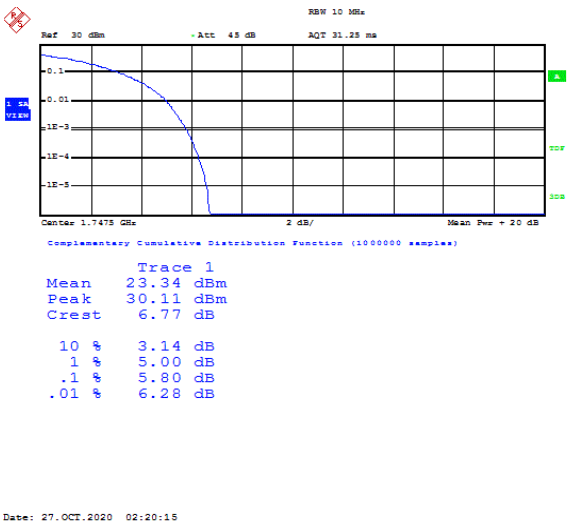

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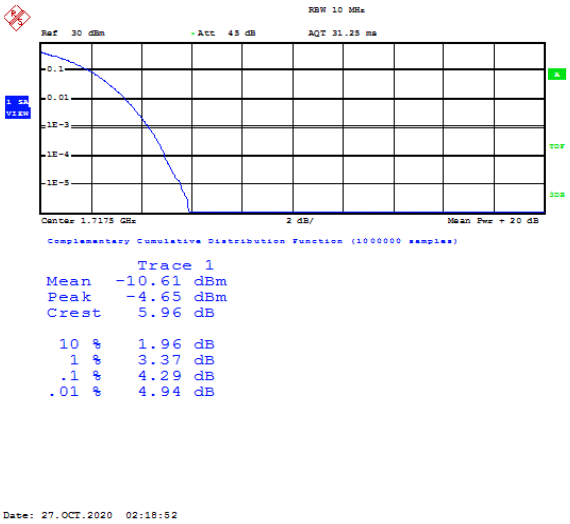

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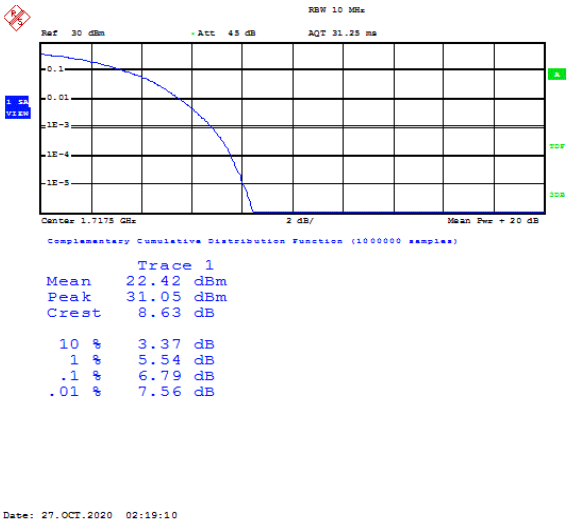

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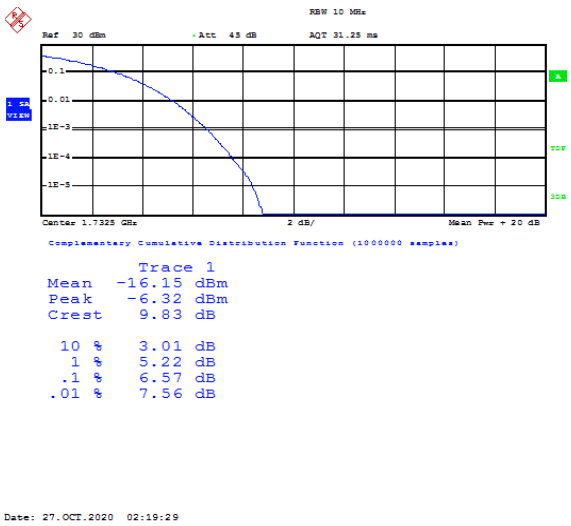

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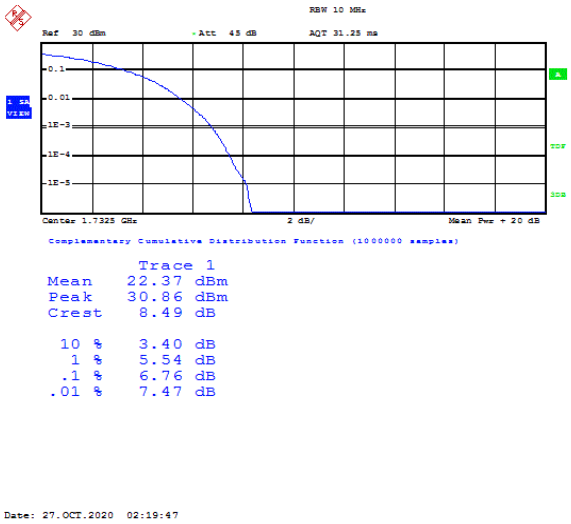

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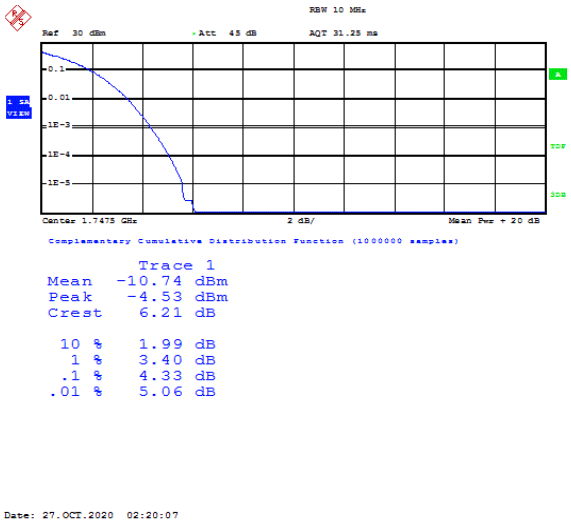

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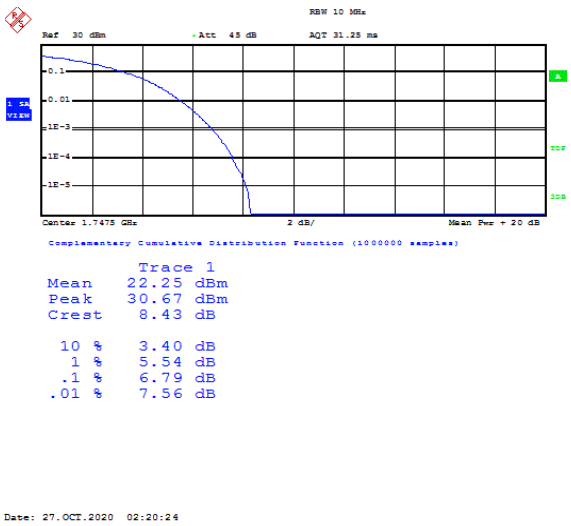

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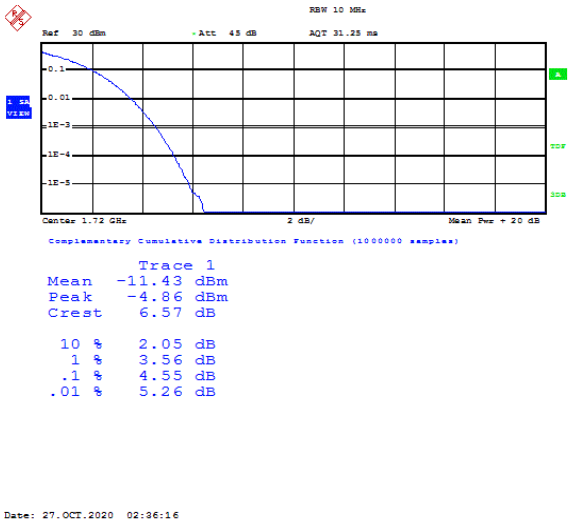

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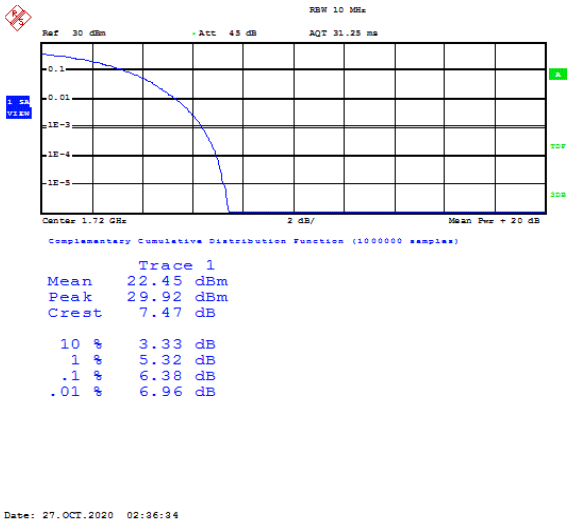

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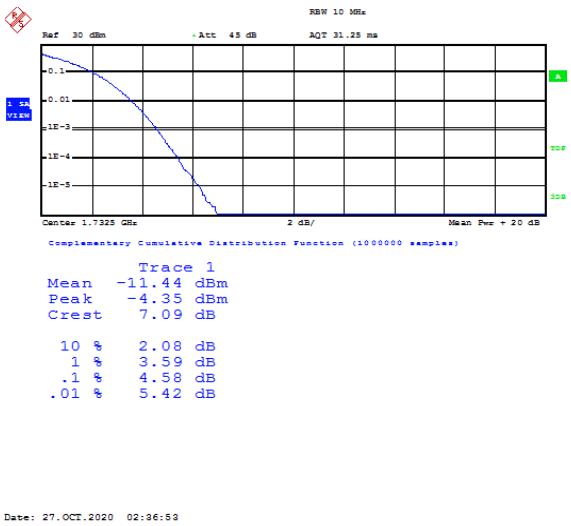

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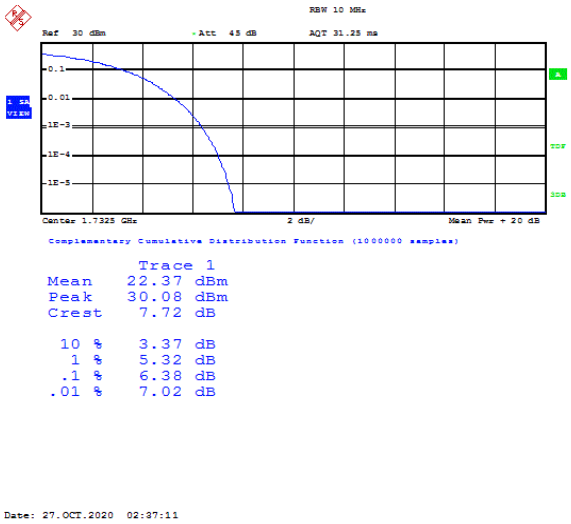

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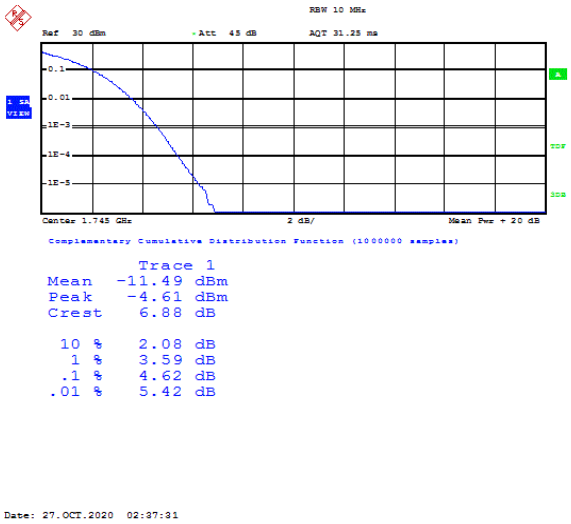

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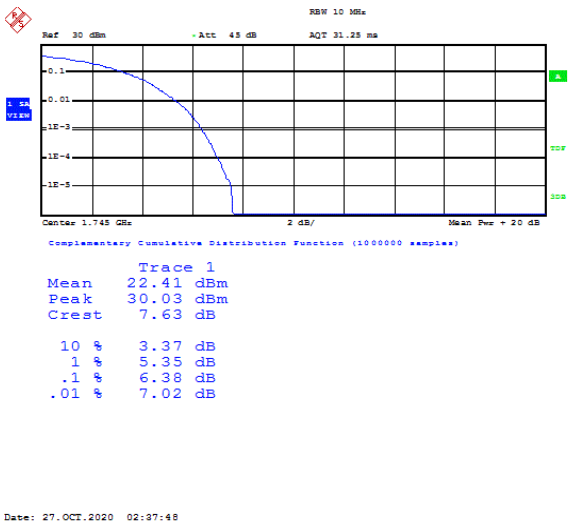

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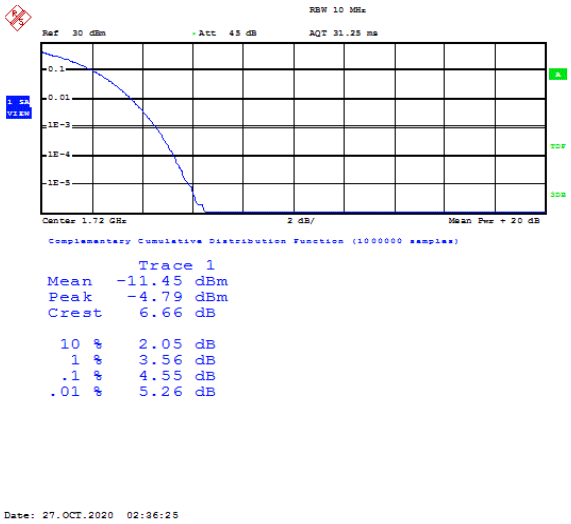

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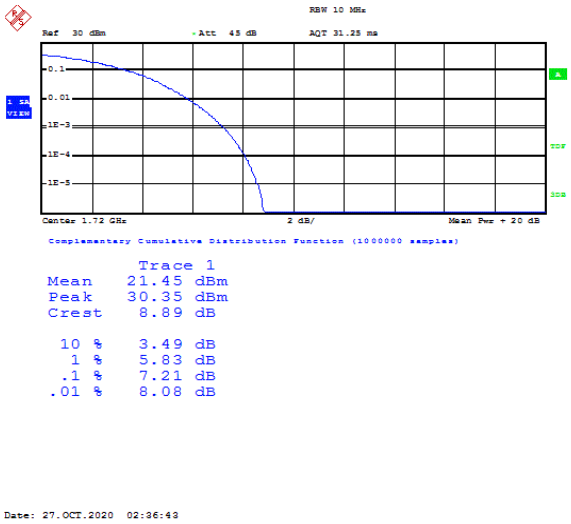

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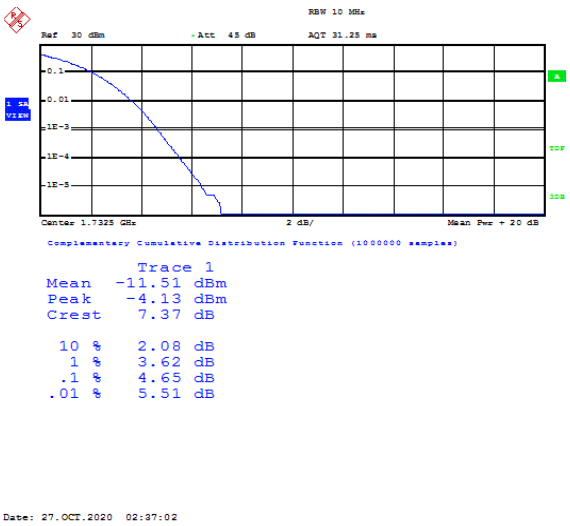

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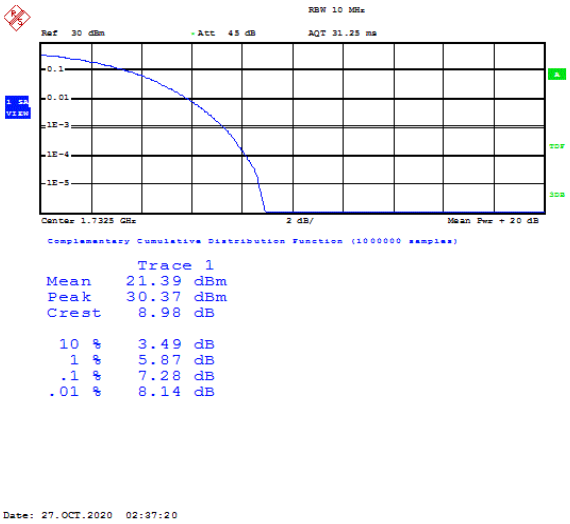

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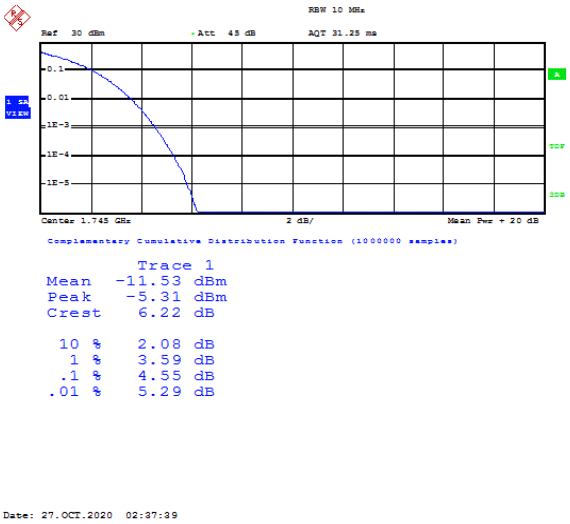

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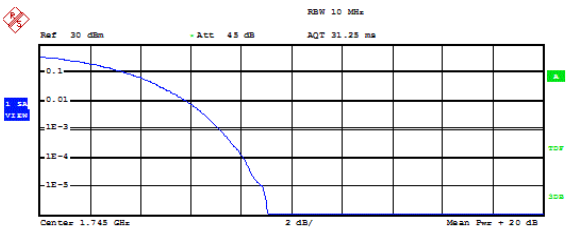


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	21.36 dBm
Peak	30.46 dBm
Crest	9.10 dB
10 %	3.46 dB
1 %	5.83 dB
.1 %	7.15 dB
.01 %	8.11 dB

Date: 27.OCT.2020 02:37:57

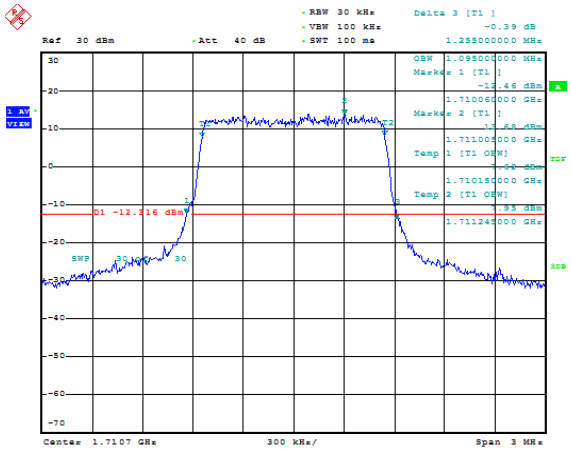
1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.095	1.255	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.095	1.250	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.095	1.255	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.095	1.245	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.095	1.225	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.09	1.245	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.692	2.952	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.71	2.880	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.71	2.880	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.71	2.870	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7	2.860	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7	2.870	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.503	4.968	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5	4.780	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5	4.800	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5	4.800	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.51	4.780	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.51	4.800	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.974	9.679	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.967	9.667	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.967	9.667	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.967	9.667	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	14.712	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.5	14.500	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.45	14.550	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.45	14.450	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.45	14.450	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.45	14.450	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.141	19.744	PASS
Band4	20MHz	QPSK	20175	100RB#0	18	19.533	PASS
Band4	20MHz	QPSK	20300	100RB#0	18	19.533	PASS

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

Test Graphs

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

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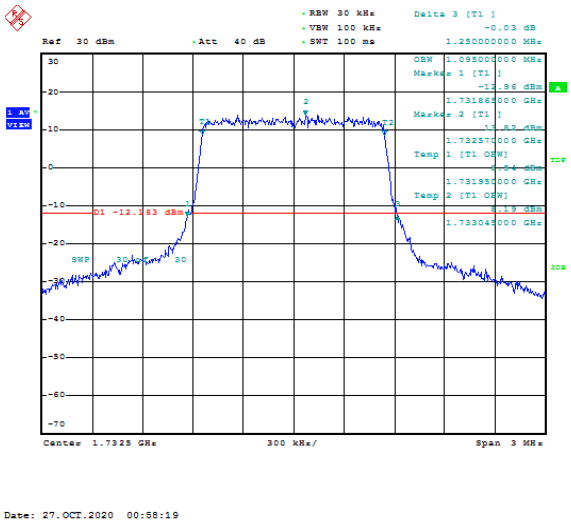
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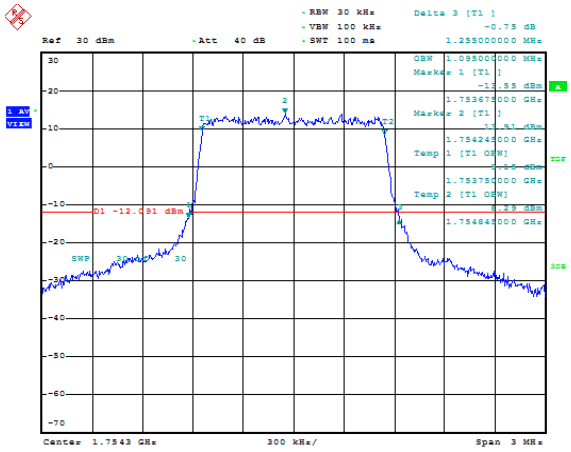

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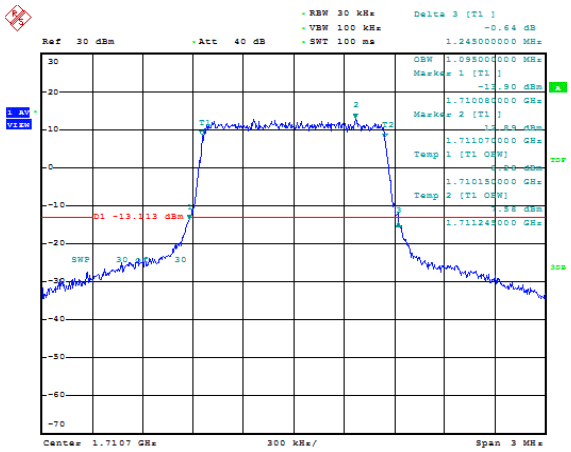

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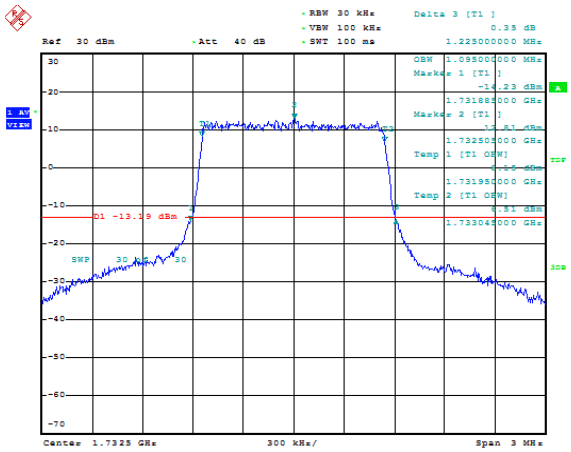

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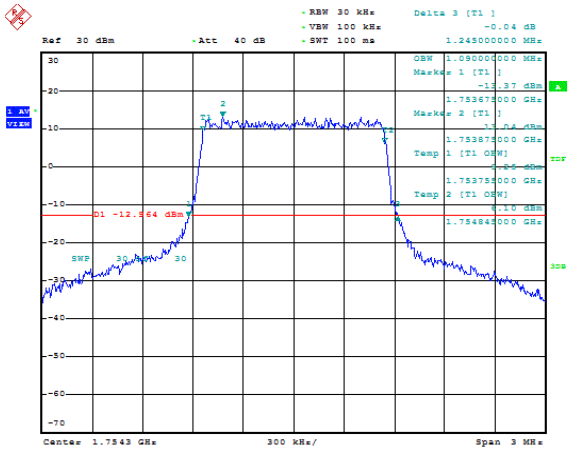

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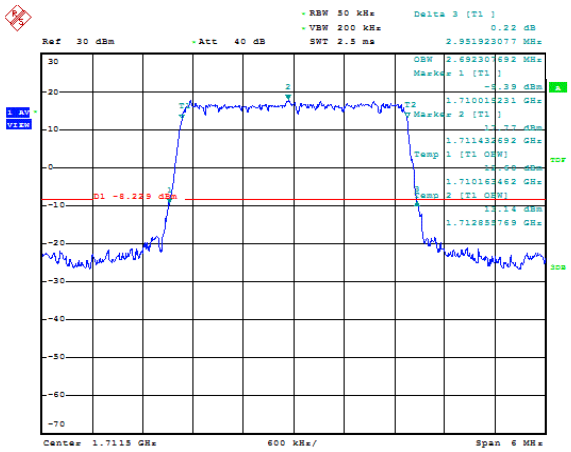

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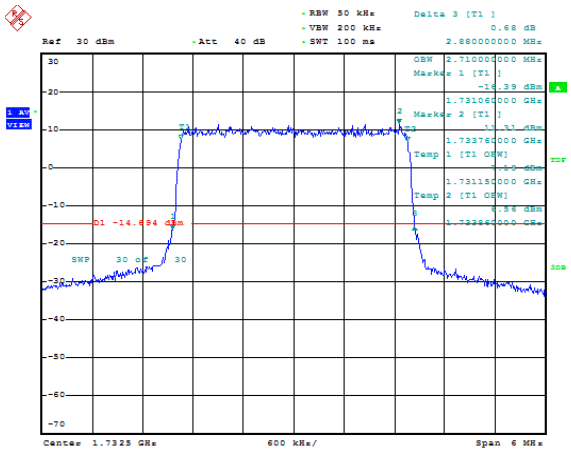

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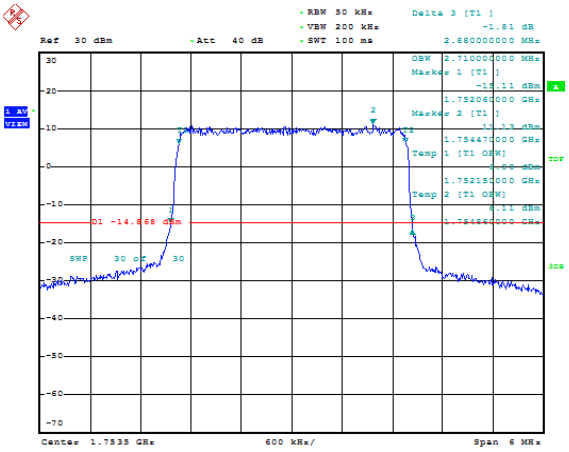
Band4-3MHz-QPSK-20385-15RB#0-2.71



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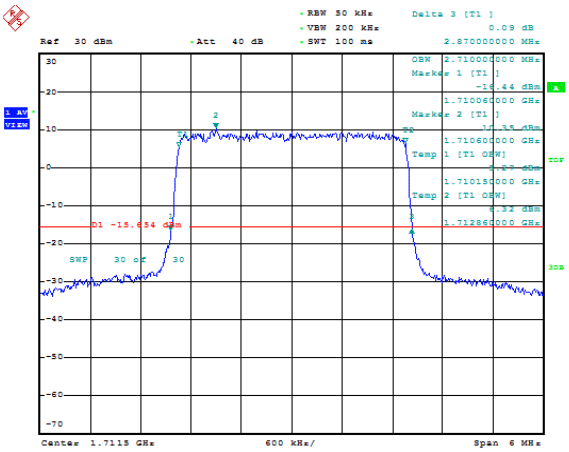

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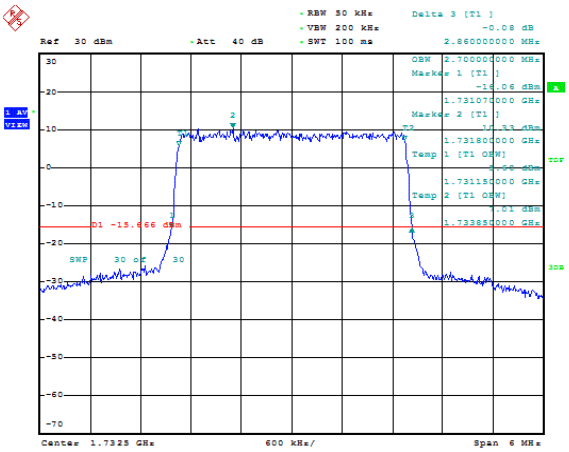

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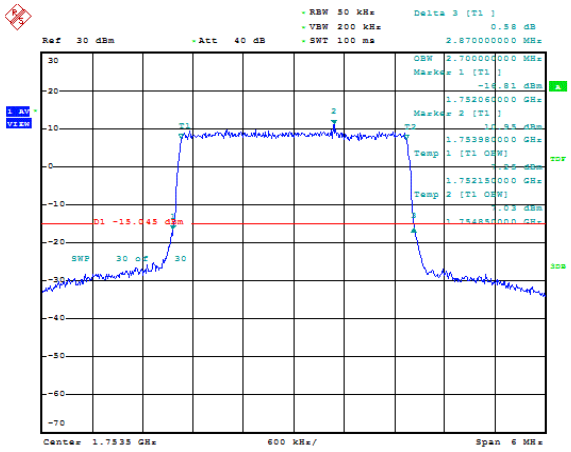

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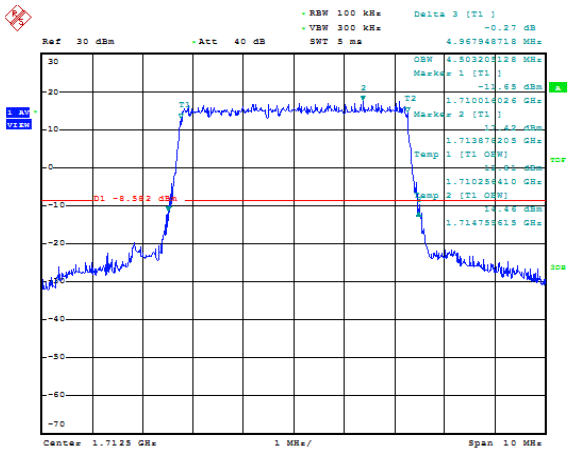

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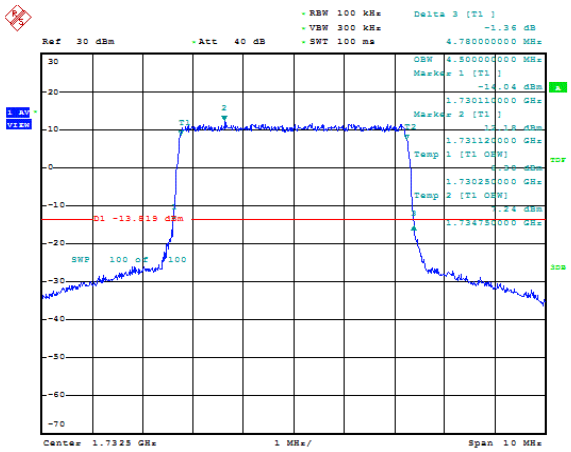

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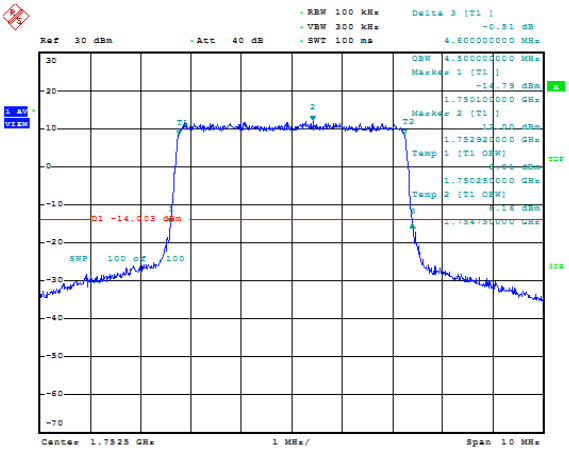

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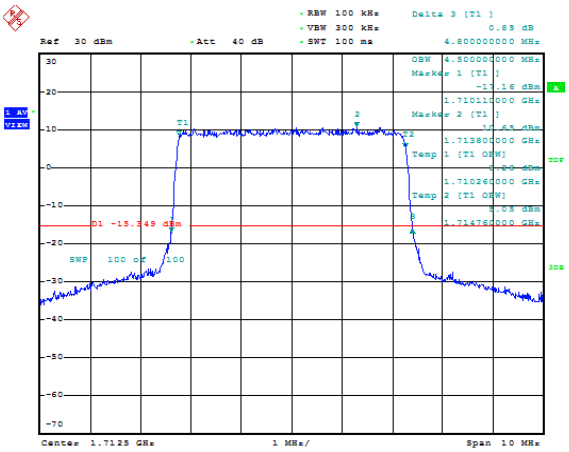

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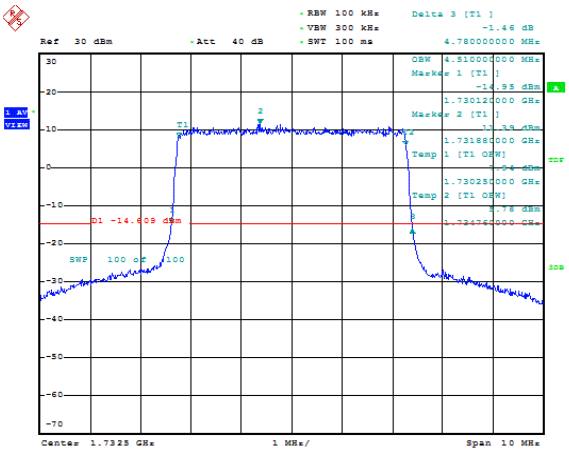

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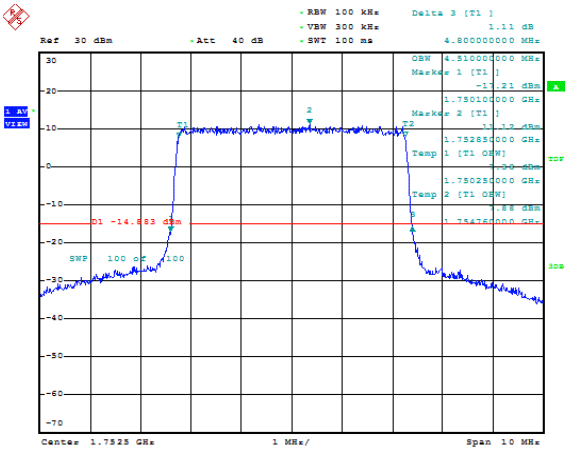

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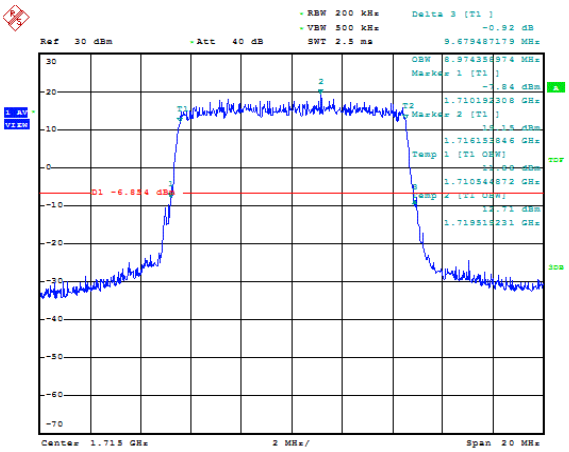
Band4-10MHz-QPSK-20000-50RB#0-8.974



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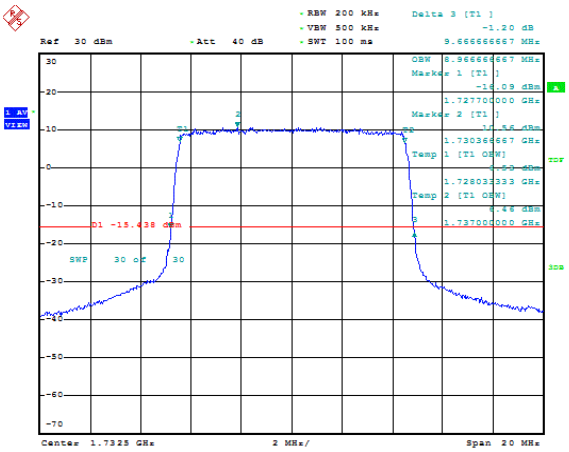

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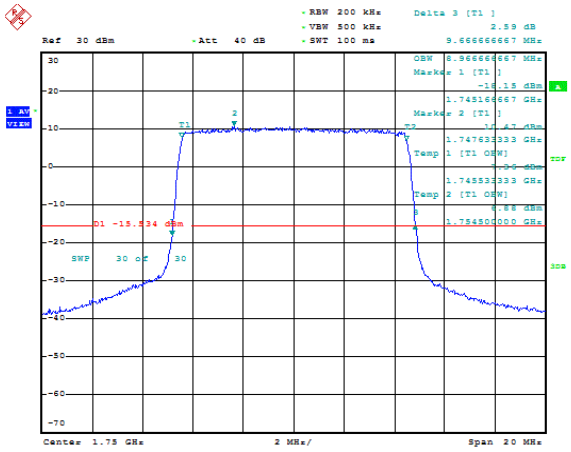

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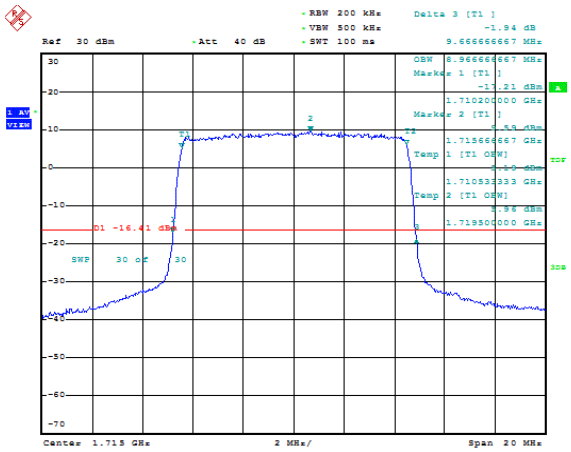
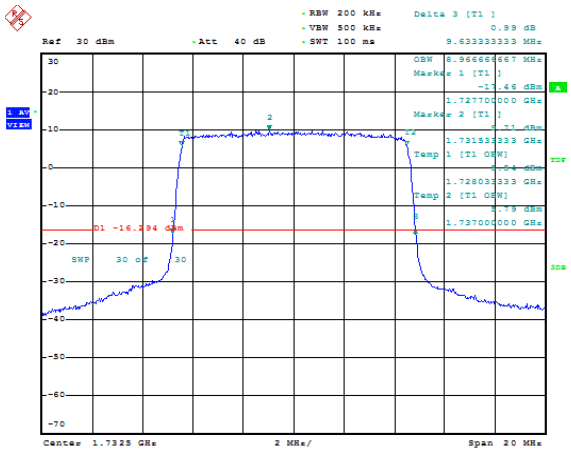
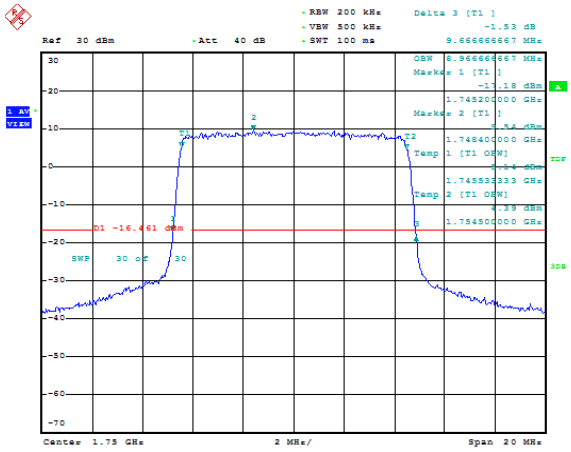


Band4-10MHz-16QAM-20175-50RB#0-8.967



Band4-10MHz-16QAM-20350-50RB#0-8.967



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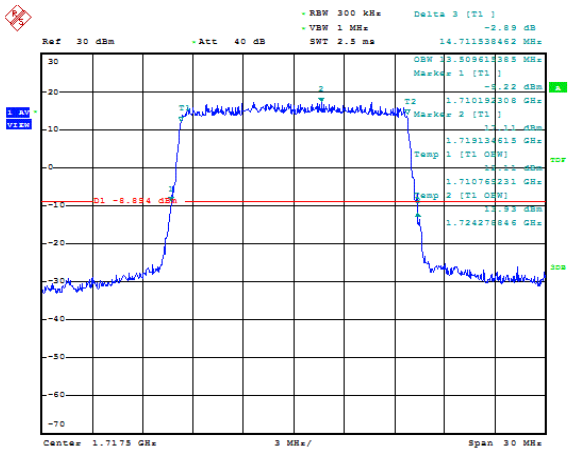
Band4-15MHz-QPSK-20025-75RB#0-13.51



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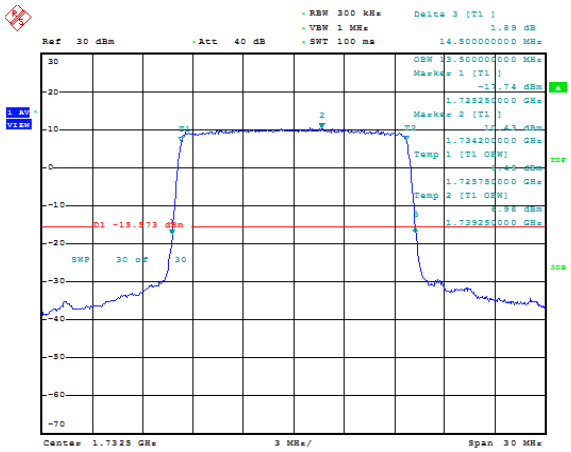

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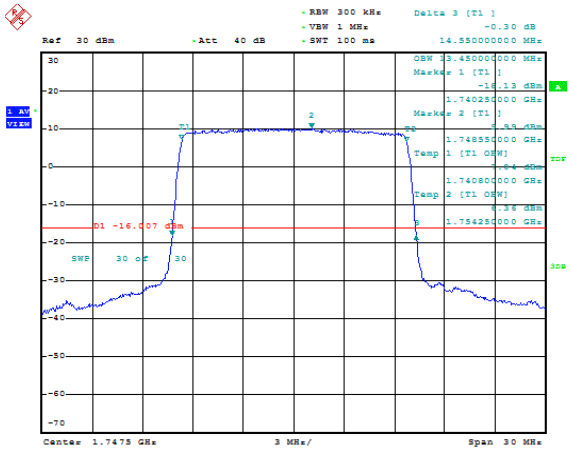

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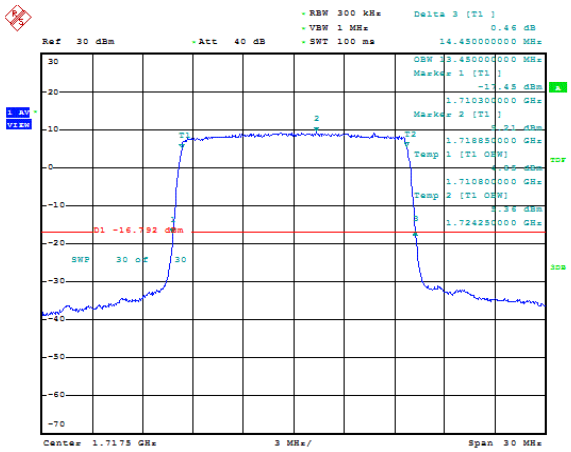
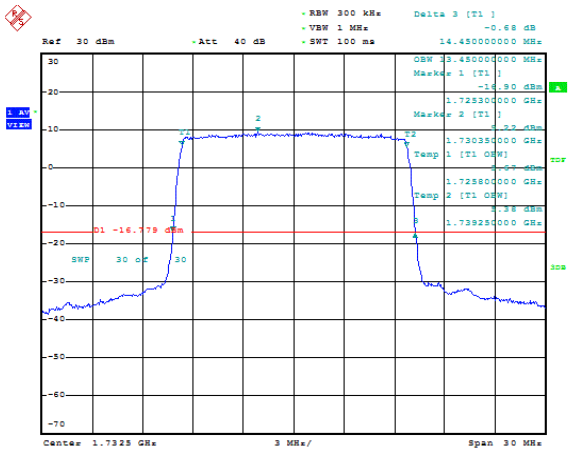


Band4-15MHz-16QAM-20175-75RB#0-13.45



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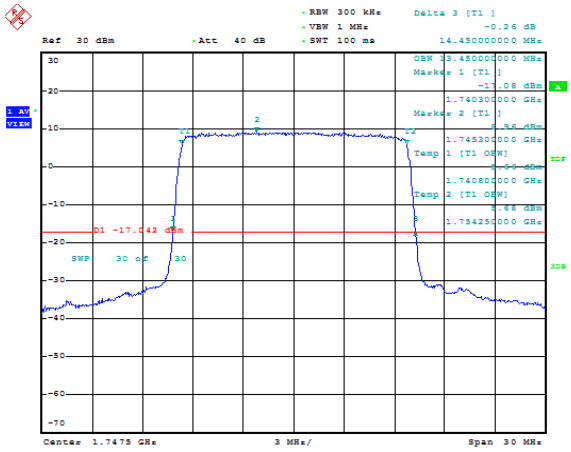

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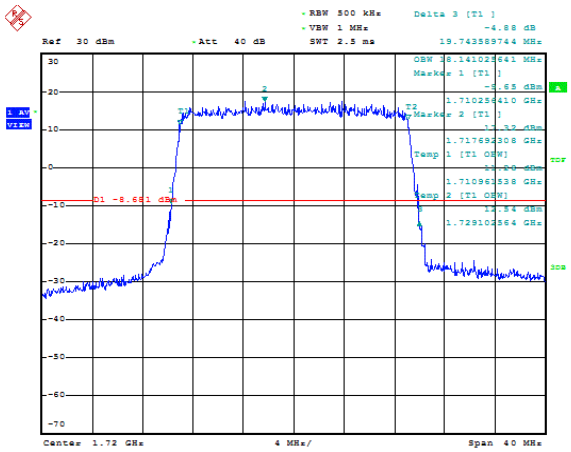

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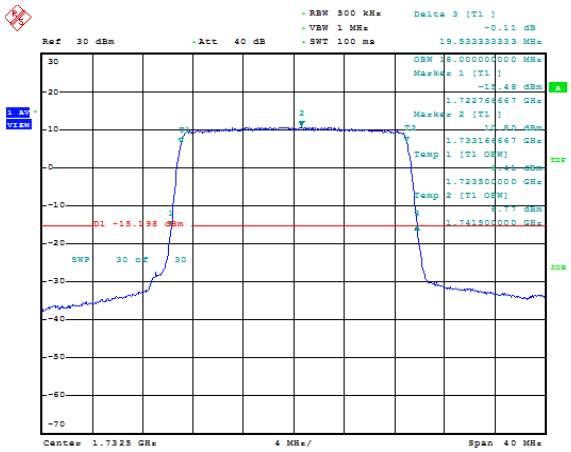
Band4-20MHz-QPSK-20175-100RB#0-18



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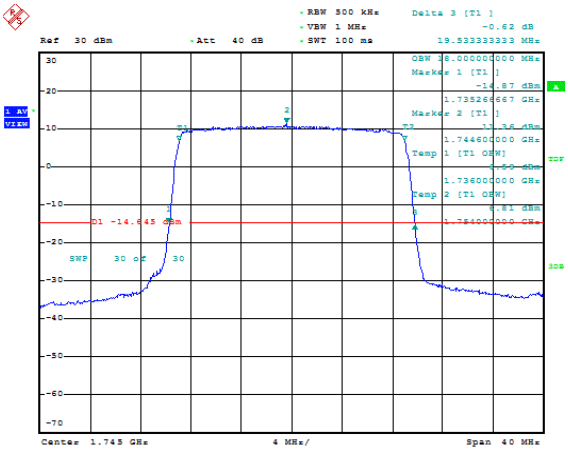
Band4-20MHz-QPSK-20300-100RB#0-18



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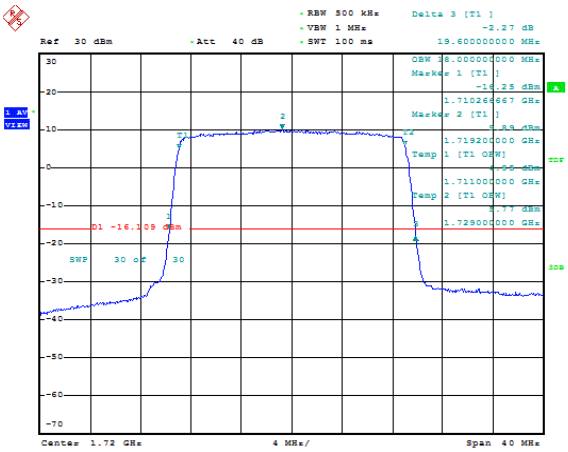

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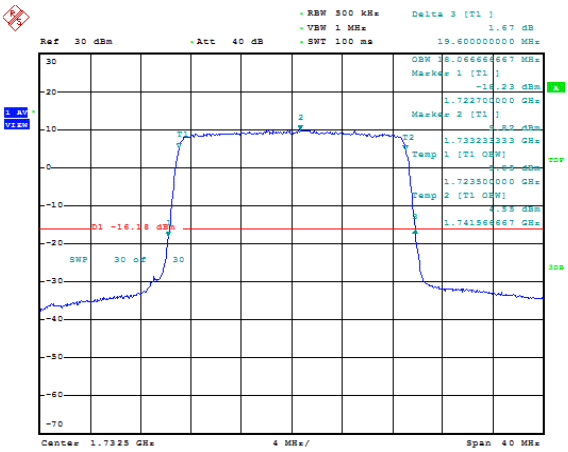

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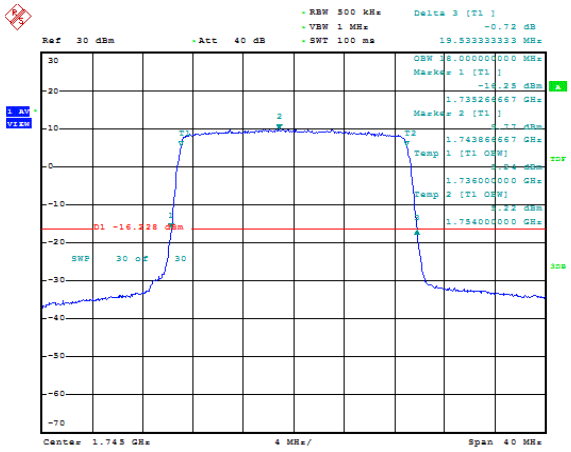
Band4-20MHz-16QAM-20300-100RB#0-18



Date: 27.OCT.2020 02:25:43

1.4. Appendix D: Band Edge

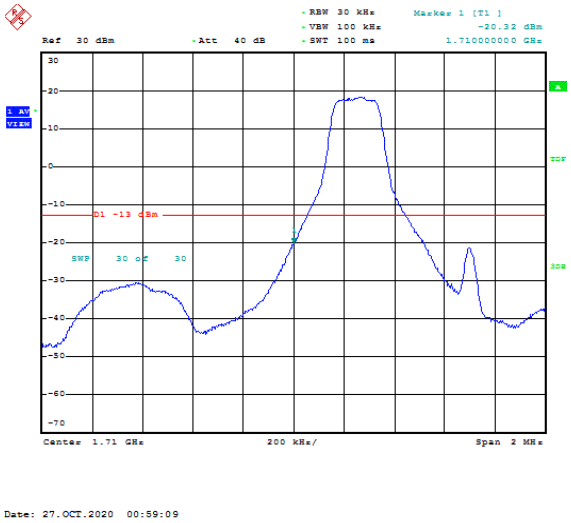
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-20.32	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-37.11	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-23.59	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-34.66	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-21.36	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-24.16	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-21.98	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-39.39	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-24.96	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-34.81	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-22.30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-25.60	PASS
Band4	3MHz	QPSK	19965	1RB#0	-18.20	PASS
Band4	3MHz	QPSK	19965	1RB#14	-42.64	PASS
Band4	3MHz	QPSK	19965	15RB#0	-24.87	PASS
Band4	3MHz	QPSK	20385	1RB#0	-42.38	PASS
Band4	3MHz	QPSK	20385	1RB#14	-19.10	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.14	PASS
Band4	3MHz	16QAM	19965	1RB#0	-19.17	PASS
Band4	3MHz	16QAM	19965	1RB#14	-43.90	PASS
Band4	3MHz	16QAM	19965	15RB#0	-26.19	PASS
Band4	3MHz	16QAM	20385	1RB#0	-42.97	PASS
Band4	3MHz	16QAM	20385	1RB#14	-20.64	PASS
Band4	3MHz	16QAM	20385	15RB#0	-25.79	PASS
Band4	5MHz	QPSK	19975	1RB#0	-20.23	PASS
Band4	5MHz	QPSK	19975	1RB#24	-47.98	PASS
Band4	5MHz	QPSK	19975	25RB#0	-25.90	PASS
Band4	5MHz	QPSK	20375	1RB#0	-47.39	PASS
Band4	5MHz	QPSK	20375	1RB#24	-20.20	PASS
Band4	5MHz	QPSK	20375	25RB#0	-25.57	PASS
Band4	5MHz	16QAM	19975	1RB#0	-22.80	PASS
Band4	5MHz	16QAM	19975	1RB#24	-48.22	PASS
Band4	5MHz	16QAM	19975	25RB#0	-26.11	PASS

Band4	5MHz	16QAM	20375	1RB#0	-47.69	PASS
Band4	5MHz	16QAM	20375	1RB#24	-21.08	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.70	PASS
Band4	10MHz	QPSK	20000	1RB#0	-24.45	PASS
Band4	10MHz	QPSK	20000	1RB#49	-55.16	PASS
Band4	10MHz	QPSK	20000	50RB#0	-37.54	PASS
Band4	10MHz	QPSK	20350	1RB#0	-55.16	PASS
Band4	10MHz	QPSK	20350	1RB#49	-22.83	PASS
Band4	10MHz	QPSK	20350	50RB#0	-26.47	PASS
Band4	10MHz	16QAM	20000	1RB#0	-25.33	PASS
Band4	10MHz	16QAM	20000	1RB#49	-55.62	PASS
Band4	10MHz	16QAM	20000	50RB#0	-38.54	PASS
Band4	10MHz	16QAM	20350	1RB#0	-55.57	PASS
Band4	10MHz	16QAM	20350	1RB#49	-24.29	PASS
Band4	10MHz	16QAM	20350	50RB#0	-27.74	PASS
Band4	15MHz	QPSK	20025	1RB#0	-22.42	PASS
Band4	15MHz	QPSK	20025	1RB#74	-55.11	PASS
Band4	15MHz	QPSK	20025	75RB#0	-28.61	PASS
Band4	15MHz	QPSK	20325	1RB#0	-54.65	PASS
Band4	15MHz	QPSK	20325	1RB#74	-20.50	PASS
Band4	15MHz	QPSK	20325	75RB#0	-27.22	PASS
Band4	15MHz	16QAM	20025	1RB#0	-23.50	PASS
Band4	15MHz	16QAM	20025	1RB#74	-55.27	PASS
Band4	15MHz	16QAM	20025	75RB#0	-30.11	PASS
Band4	15MHz	16QAM	20325	1RB#0	-55.44	PASS
Band4	15MHz	16QAM	20325	1RB#74	-21.56	PASS
Band4	15MHz	16QAM	20325	75RB#0	-28.67	PASS
Band4	20MHz	QPSK	20050	1RB#0	-14.29	PASS
Band4	20MHz	QPSK	20050	1RB#99	-51.87	PASS
Band4	20MHz	QPSK	20050	100RB#0	-24.06	PASS
Band4	20MHz	QPSK	20300	1RB#0	-52.42	PASS
Band4	20MHz	QPSK	20300	1RB#99	-13.64	PASS
Band4	20MHz	QPSK	20300	100RB#0	-22.99	PASS
Band4	20MHz	16QAM	20050	1RB#0	-14.90	PASS
Band4	20MHz	16QAM	20050	1RB#99	-53.64	PASS
Band4	20MHz	16QAM	20050	100RB#0	-25.19	PASS
Band4	20MHz	16QAM	20300	1RB#0	-52.95	PASS
Band4	20MHz	16QAM	20300	1RB#99	-14.54	PASS

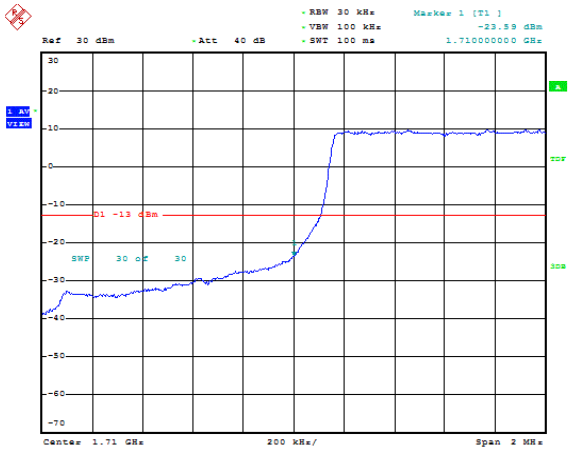
Band4	20MHz	16QAM	20300	100RB#0	-23.86	PASS

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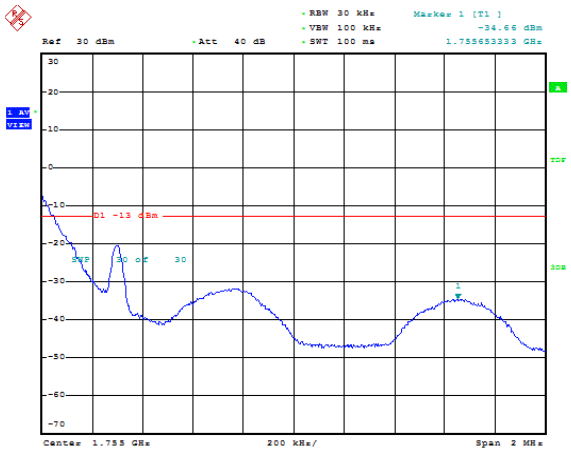
Band4-1.4MHz-QPSK-20393-1RB#0



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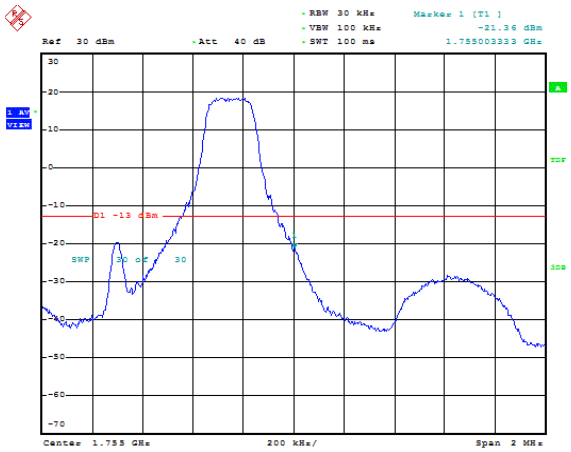

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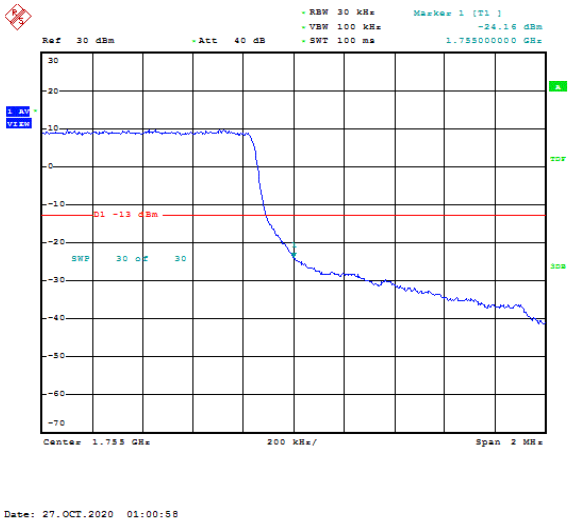

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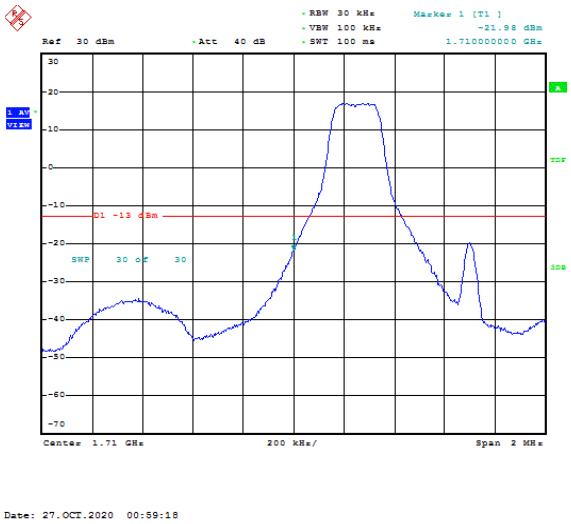

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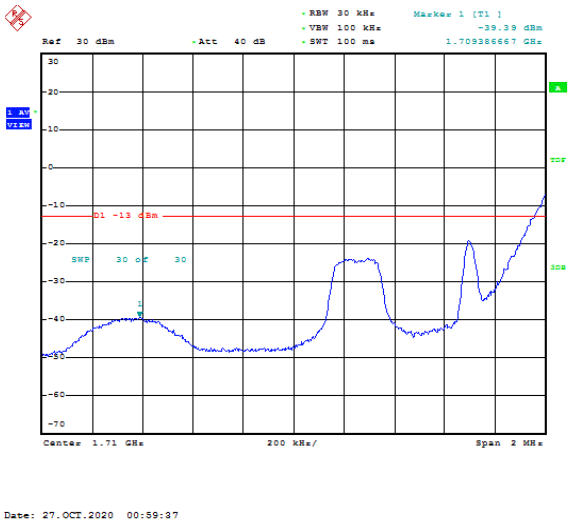

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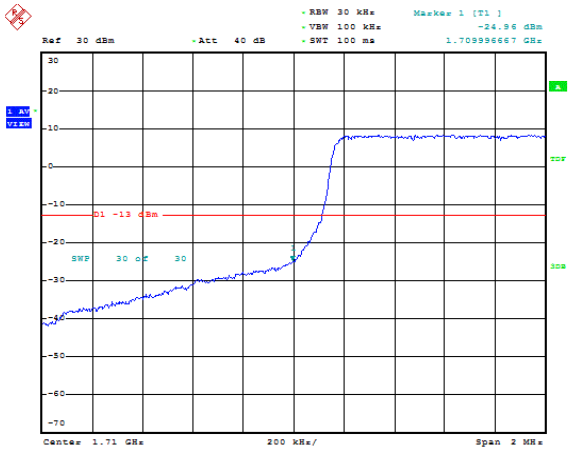

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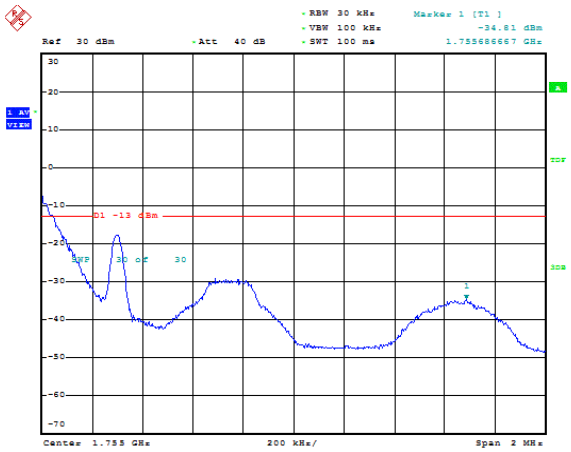

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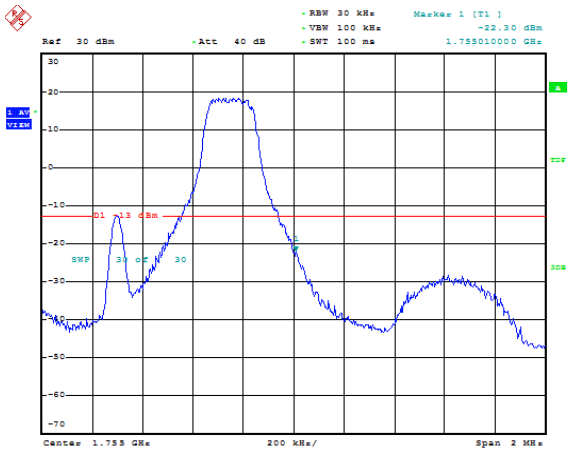

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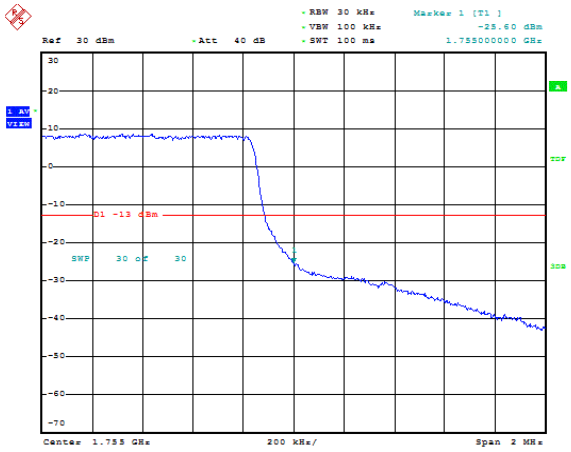

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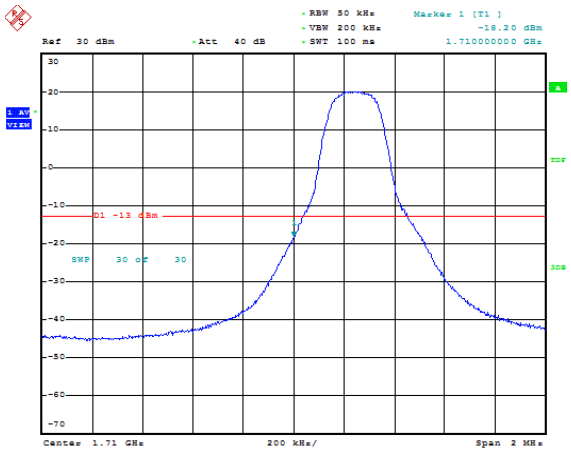

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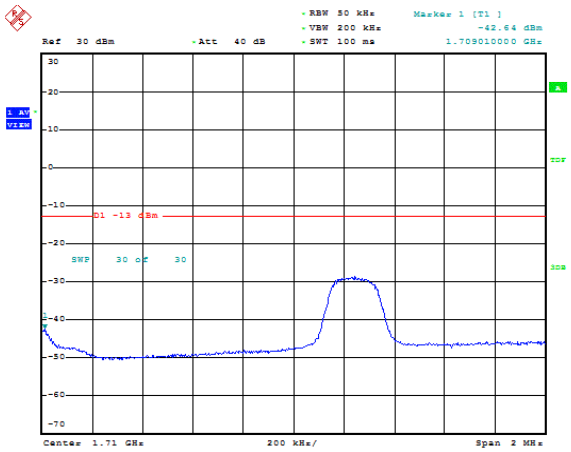

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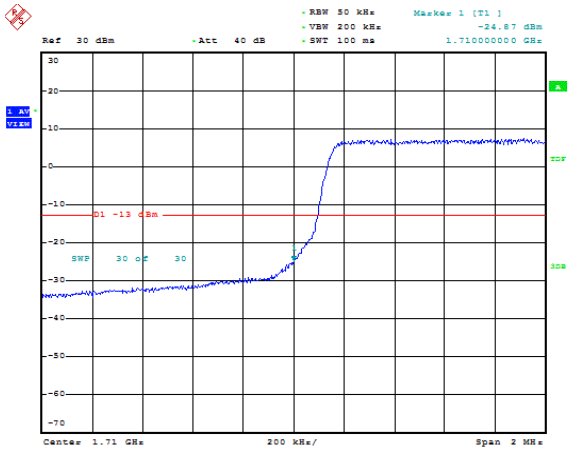

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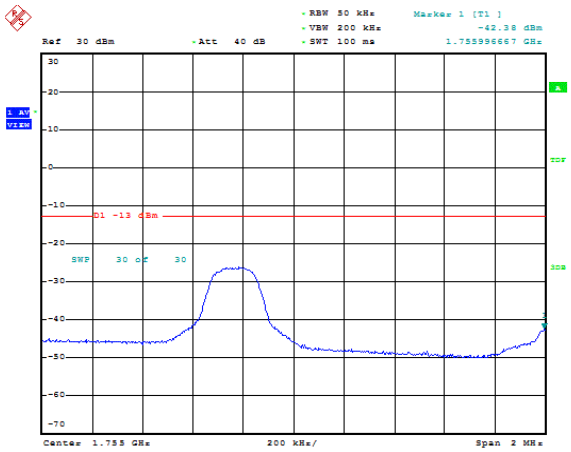

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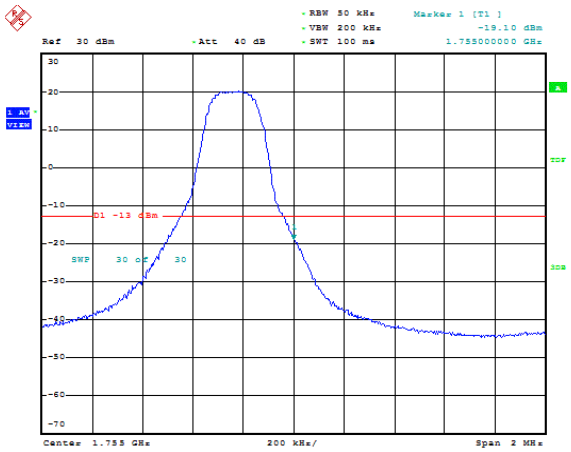

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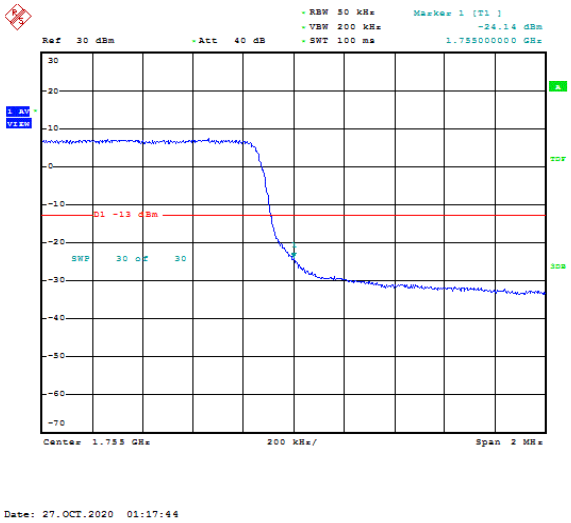

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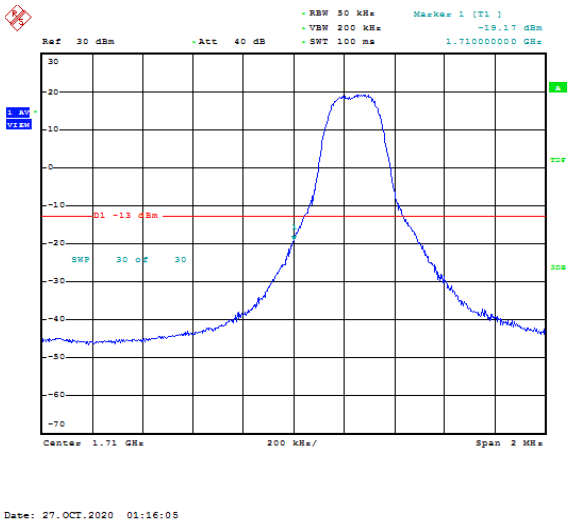

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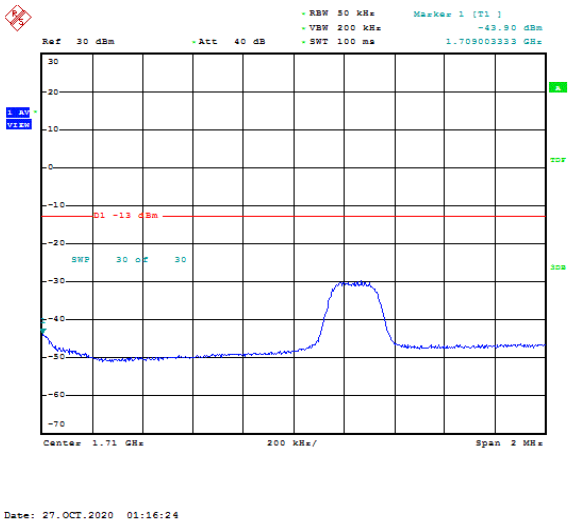

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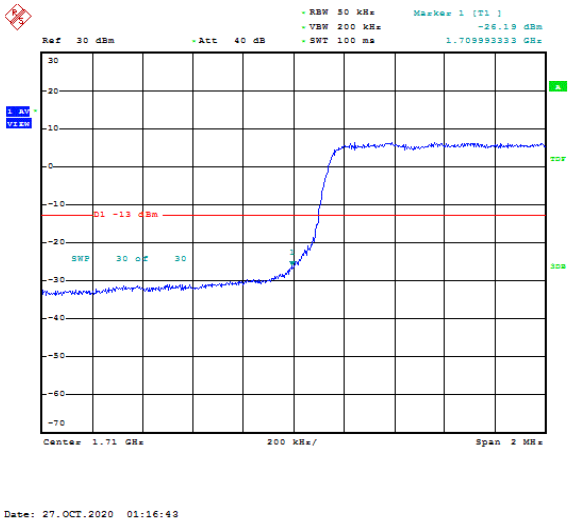

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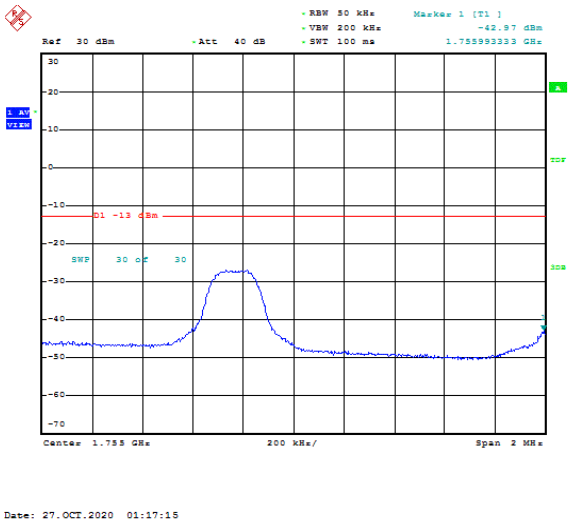

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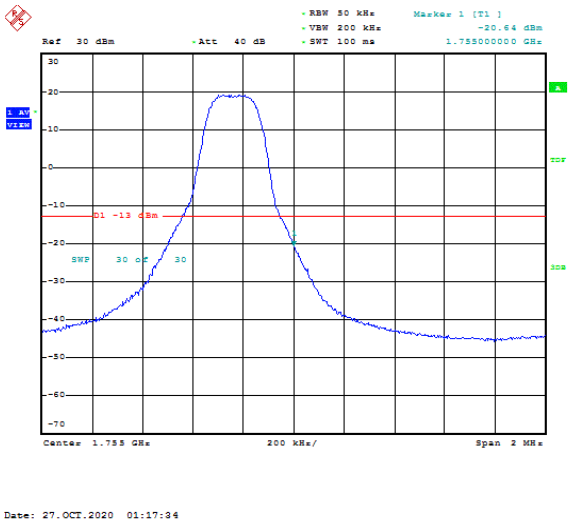

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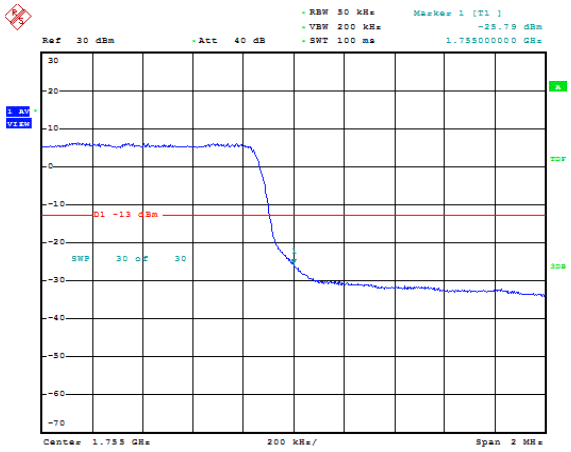

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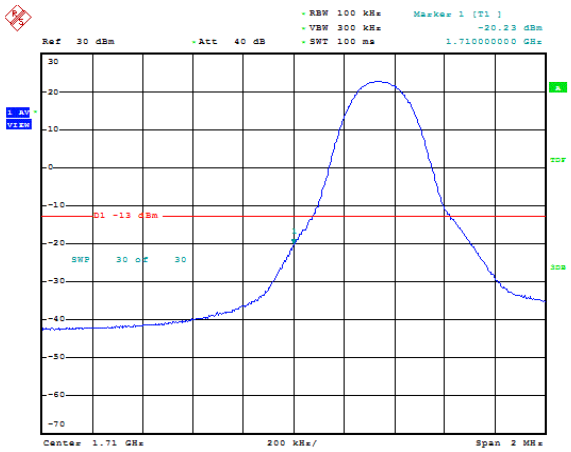

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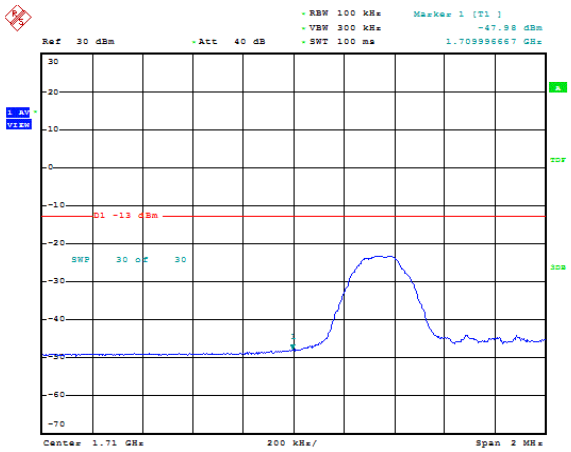

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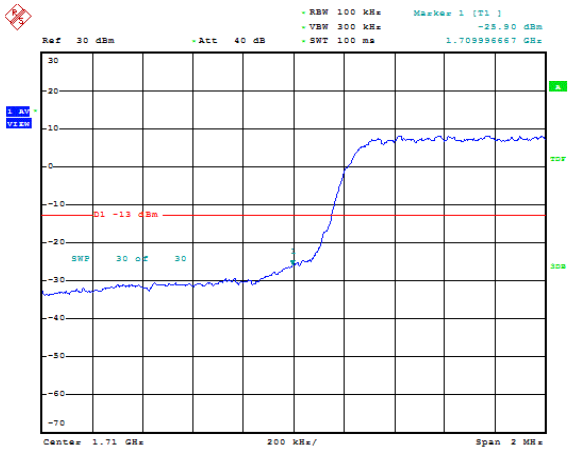

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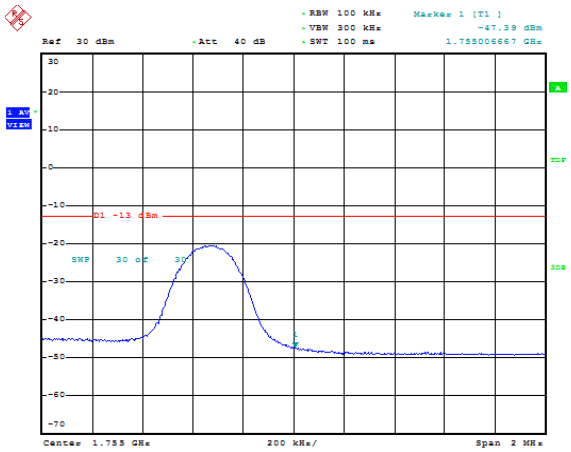

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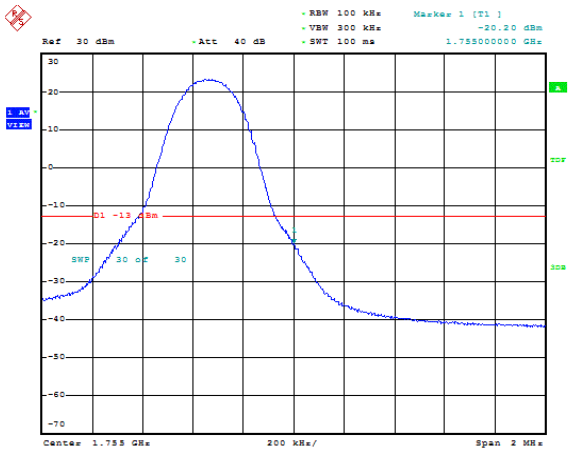

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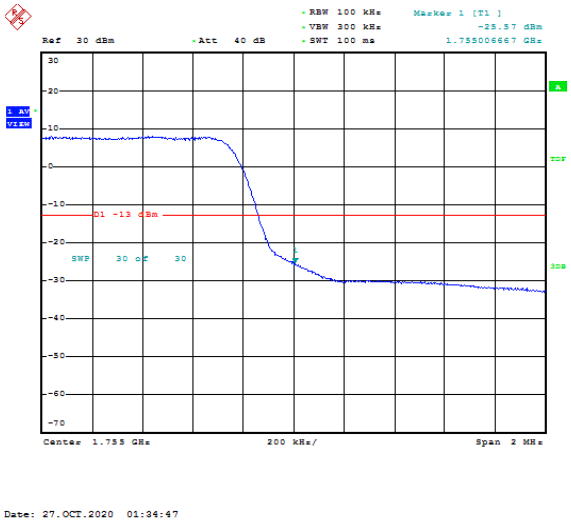

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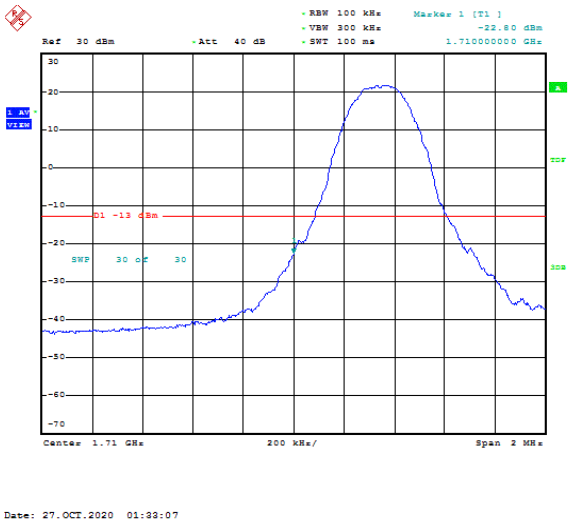

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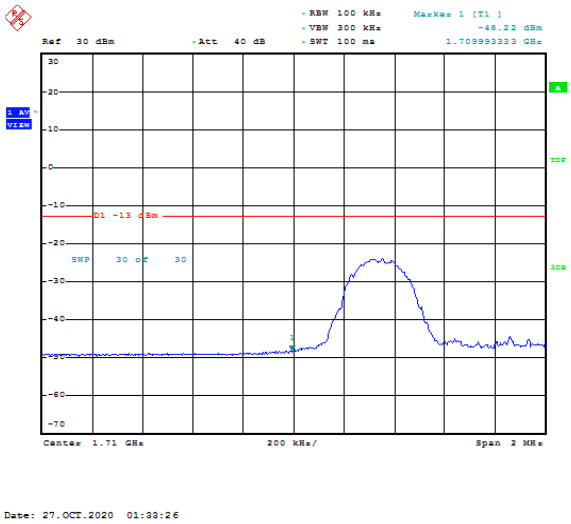

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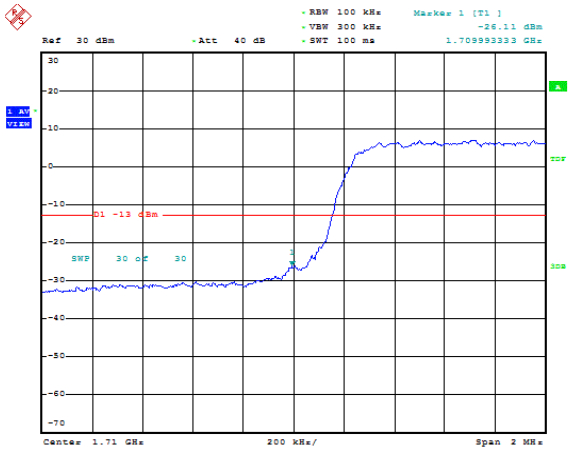

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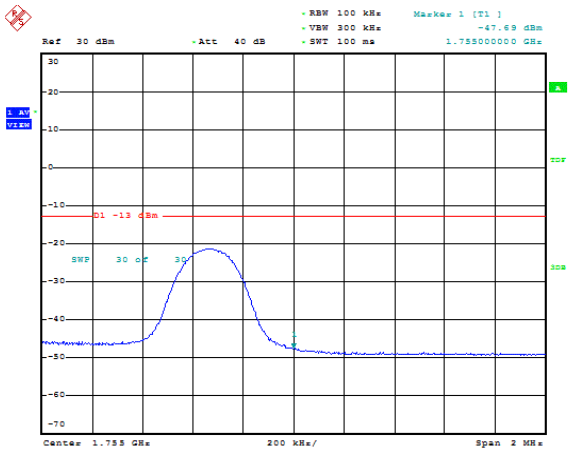

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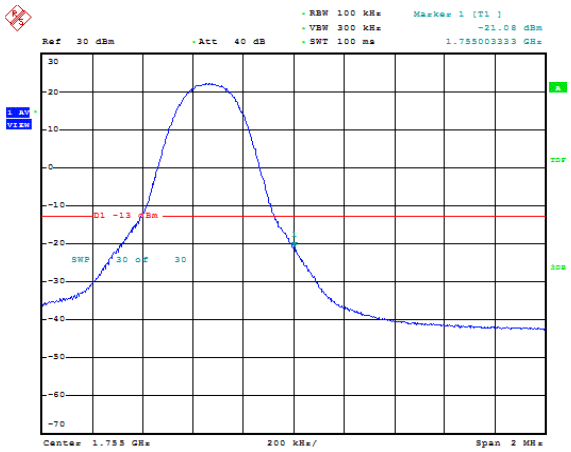

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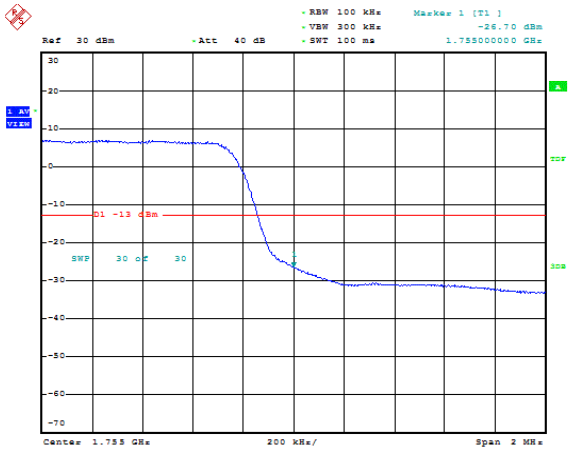

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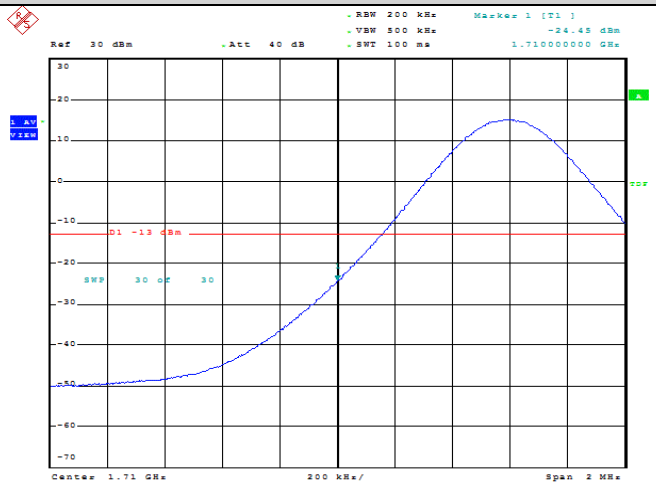

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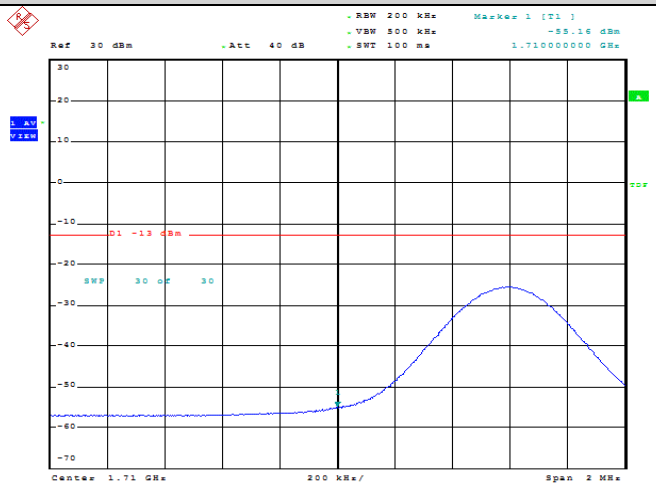
Band4-10MHz-QPSK-20000-1RB#49



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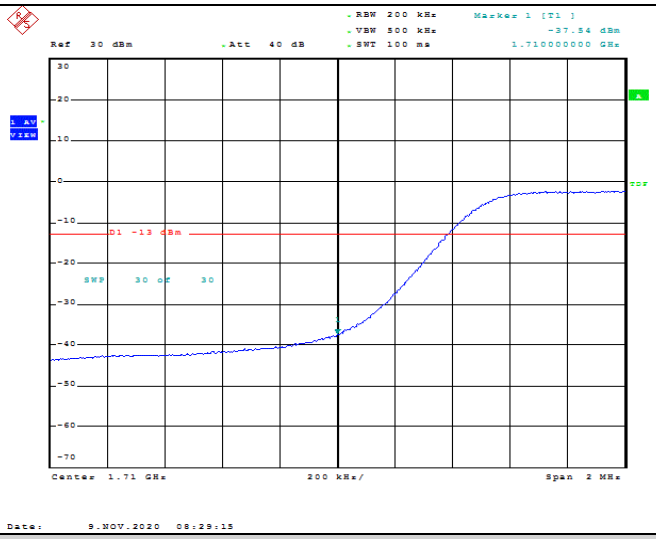

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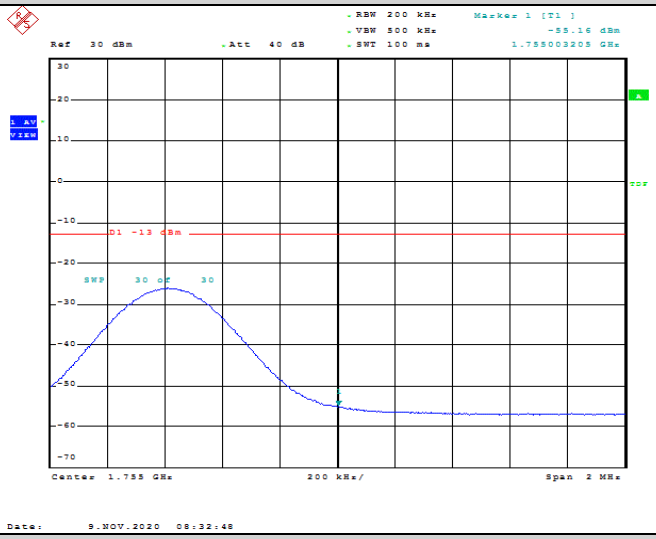

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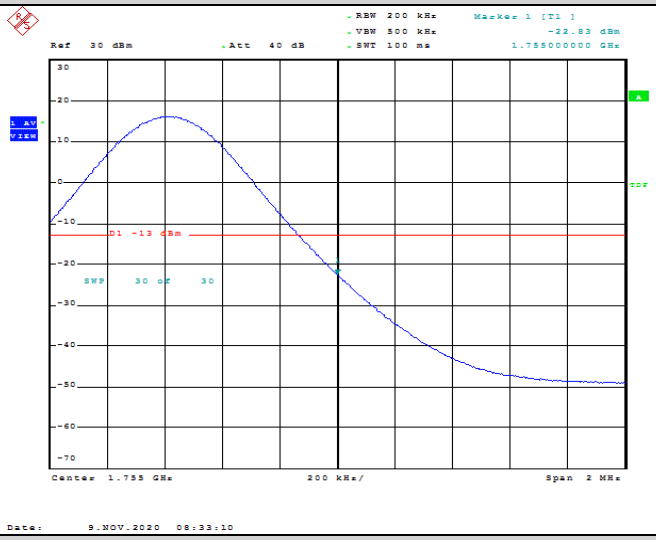

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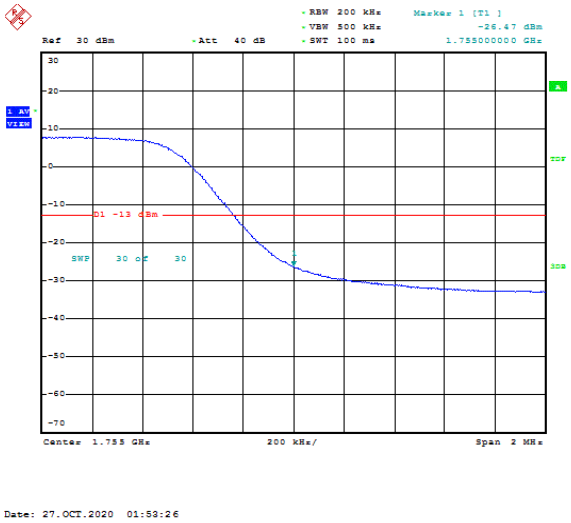

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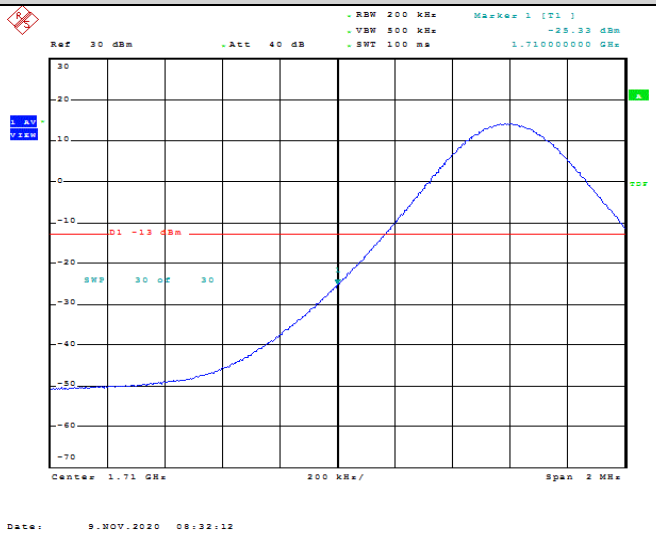

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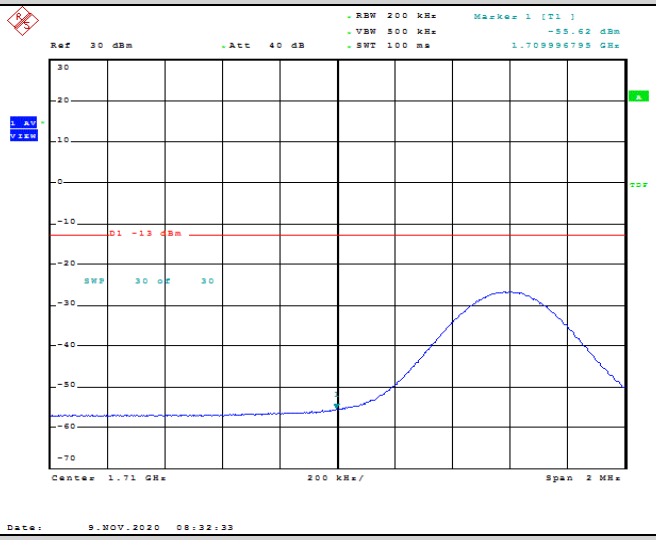

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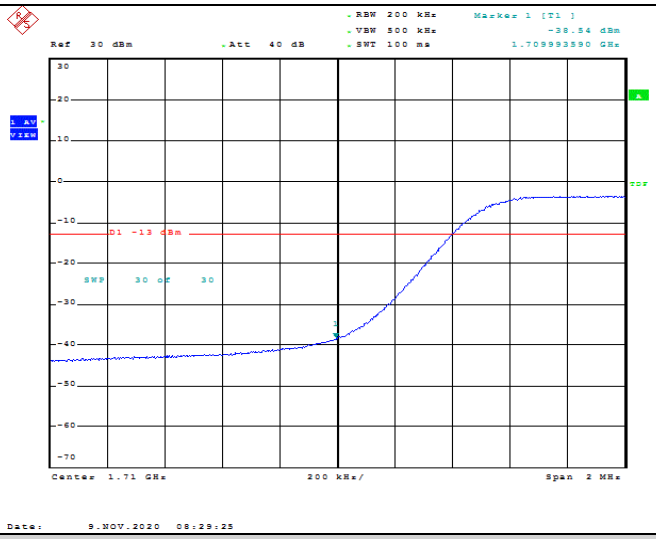
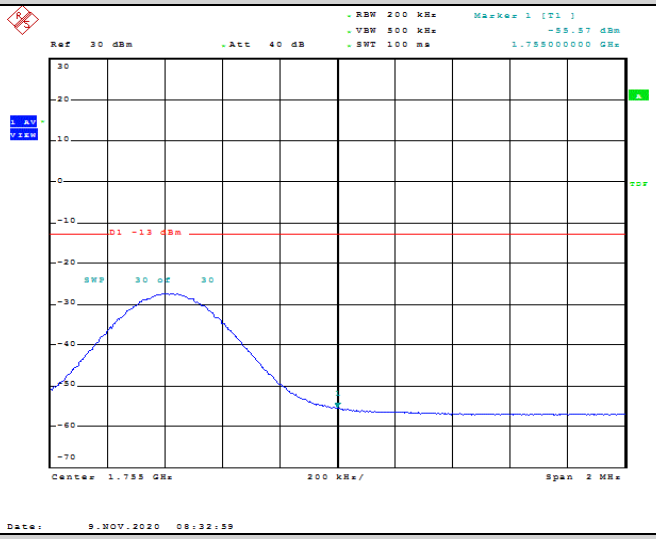


Band4-10MHz-16QAM-20350-1RB#0



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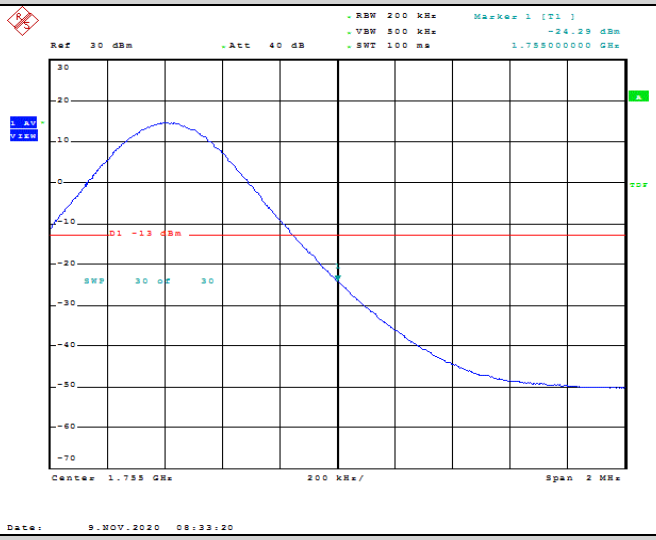

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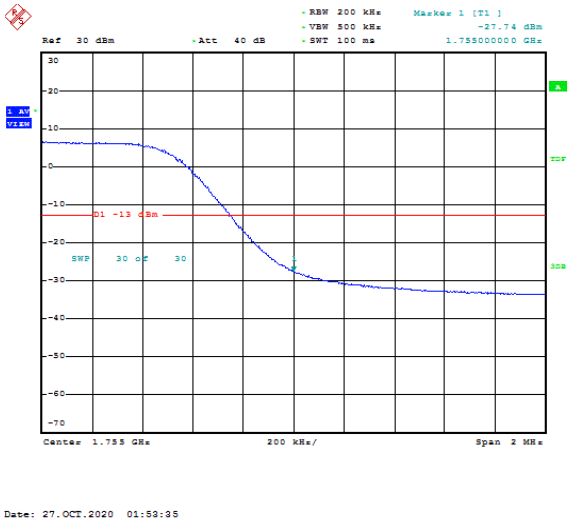

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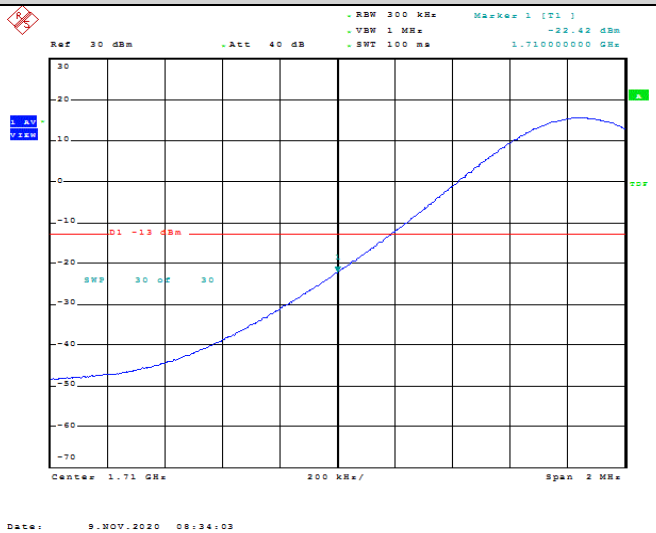

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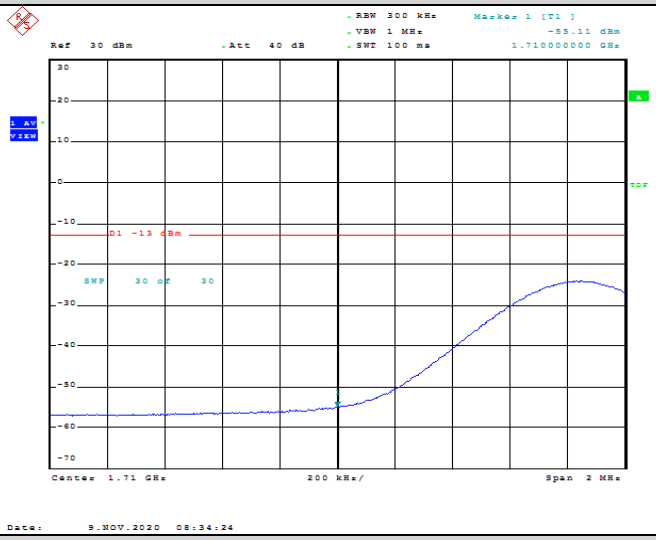

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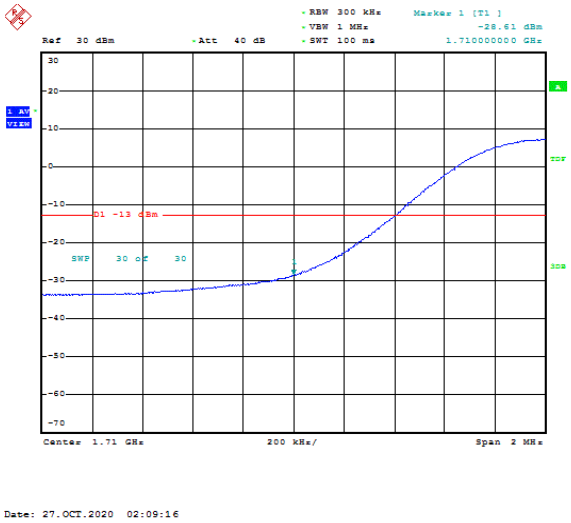

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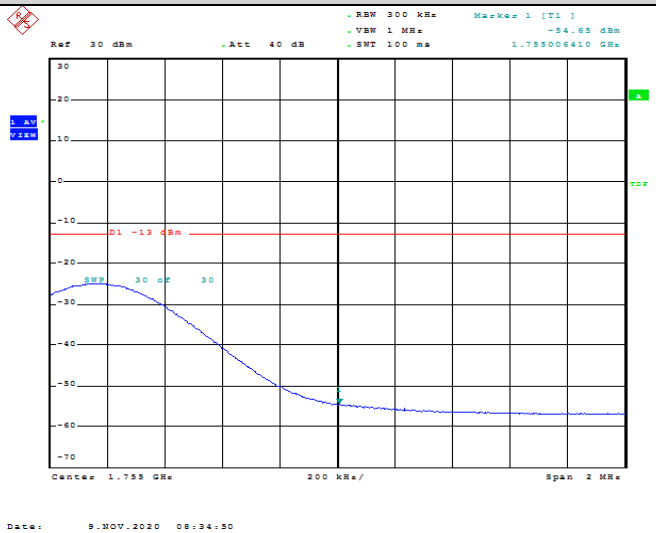

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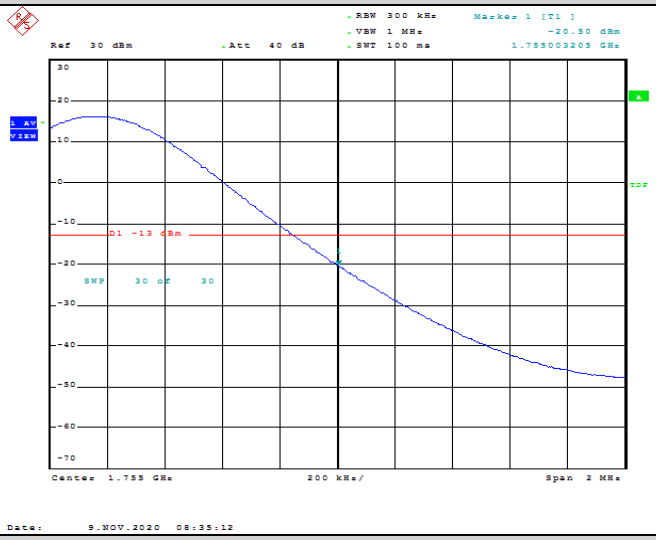

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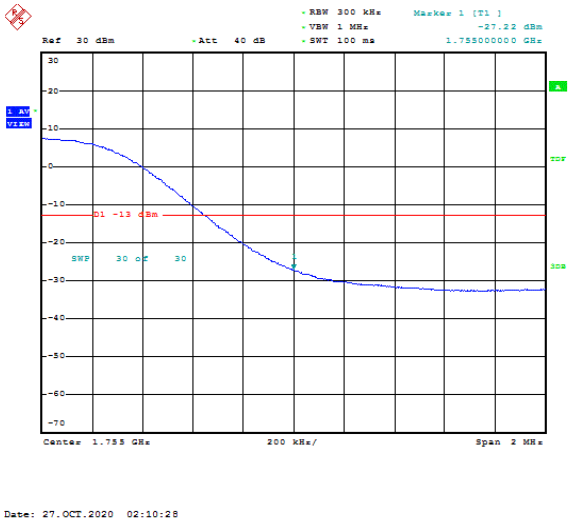

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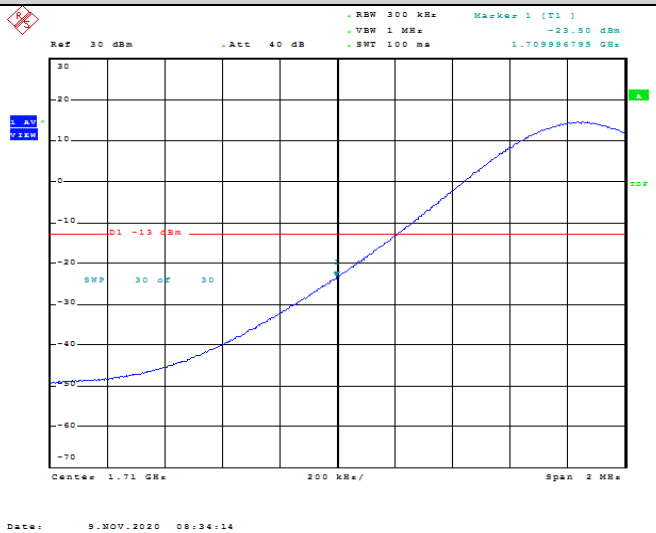

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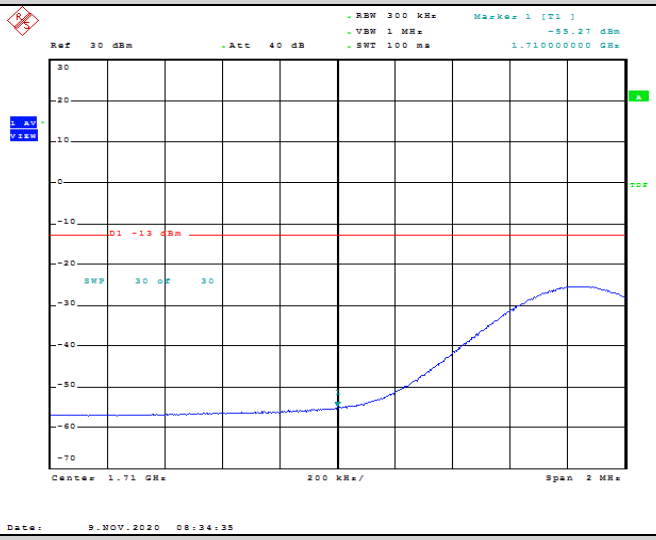

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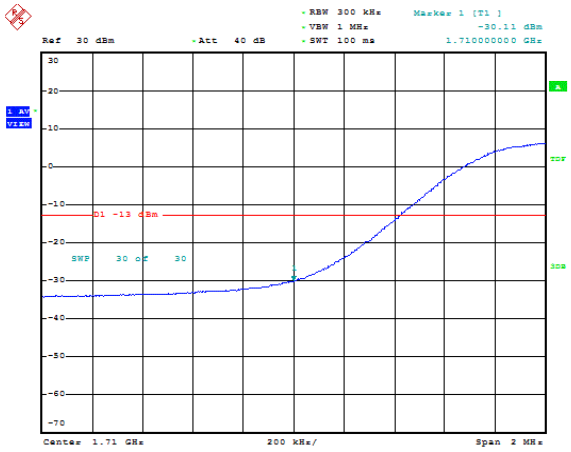

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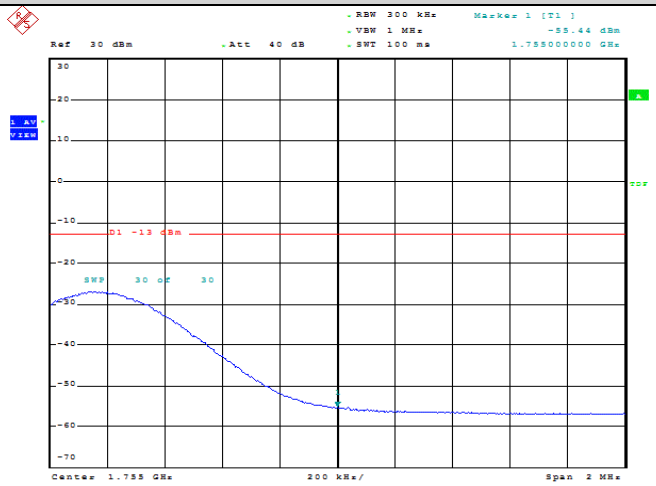

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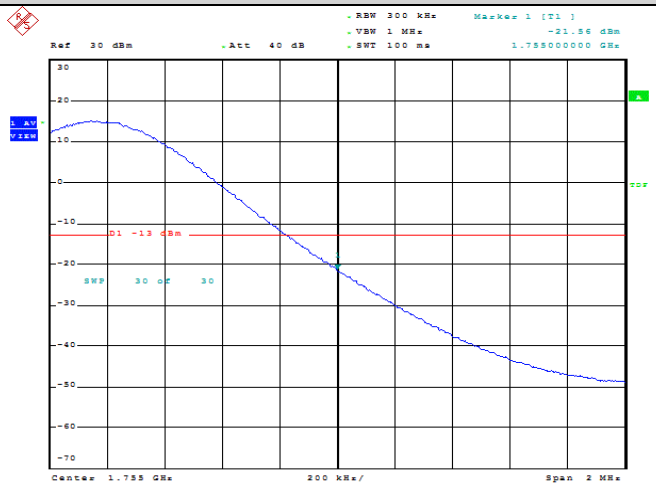

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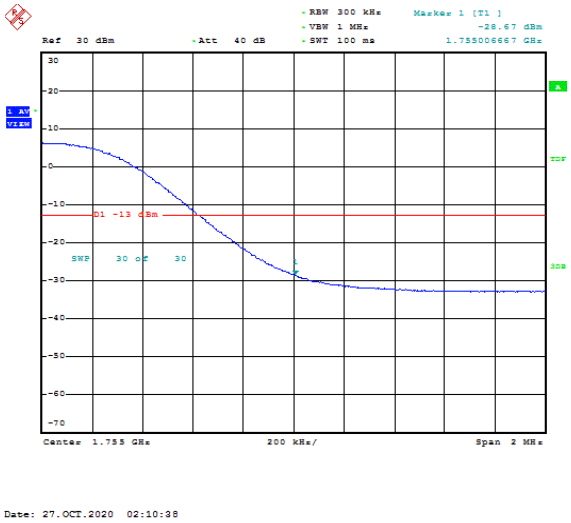

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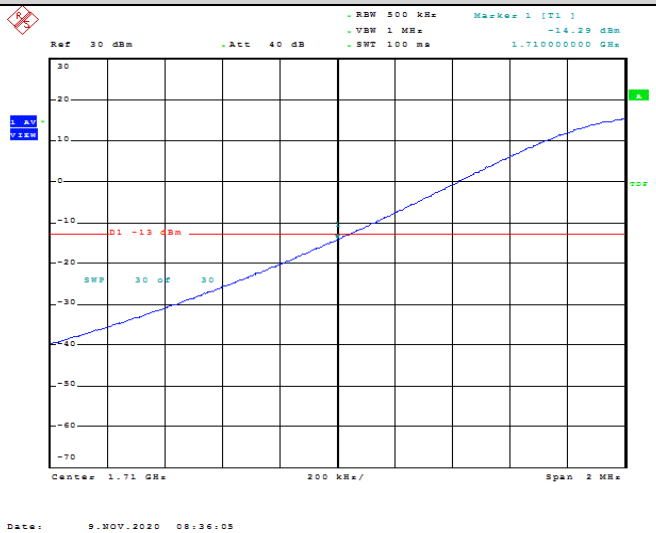

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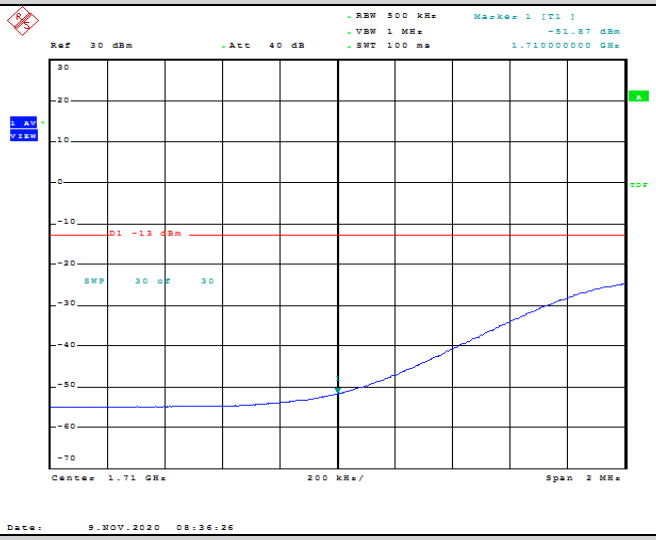

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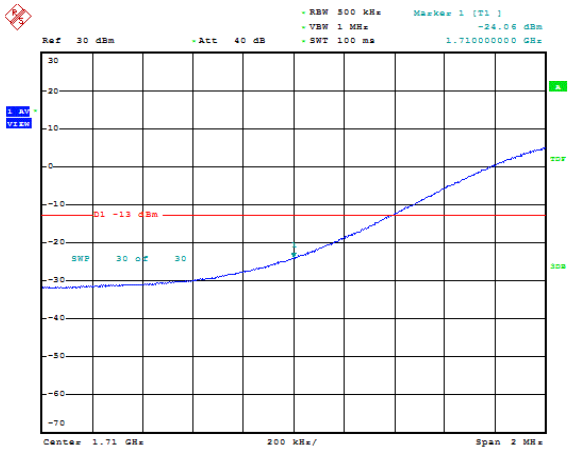

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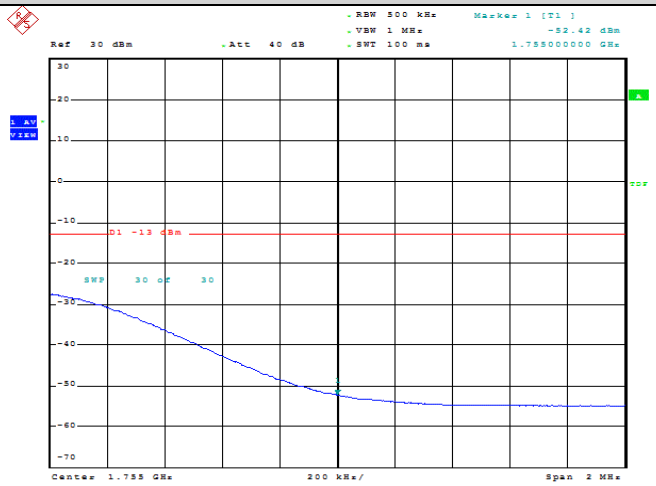

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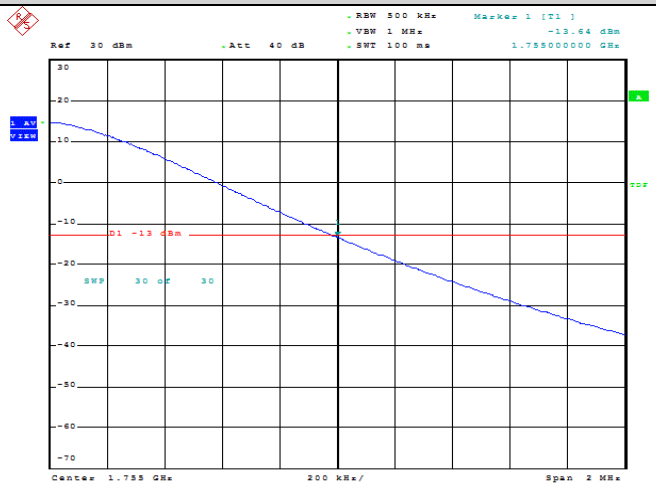

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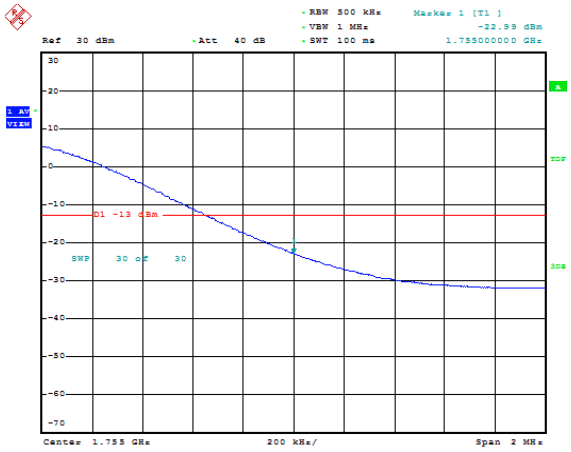

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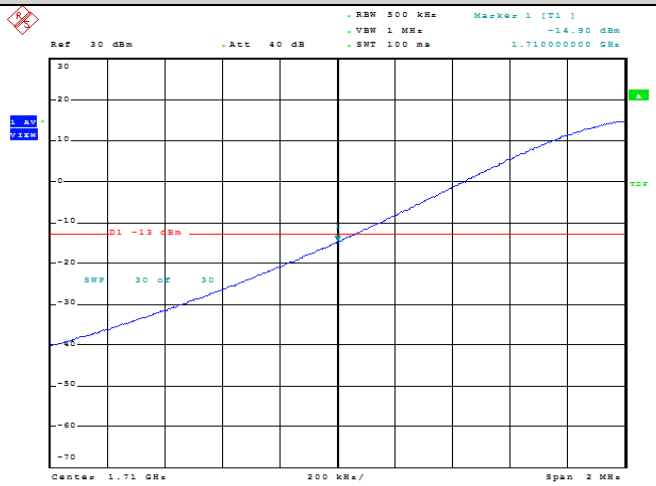

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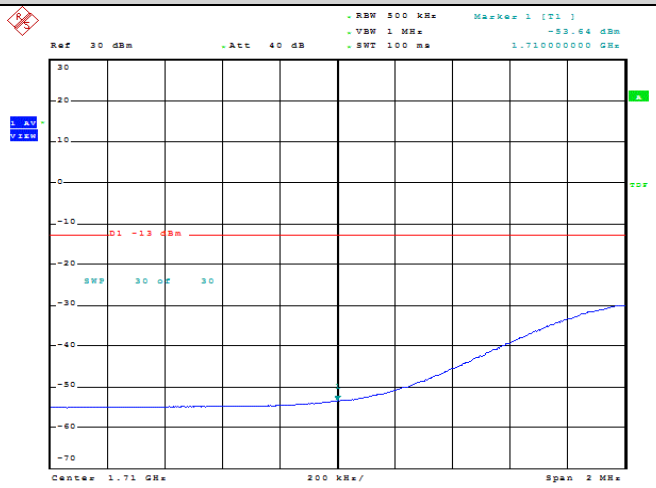

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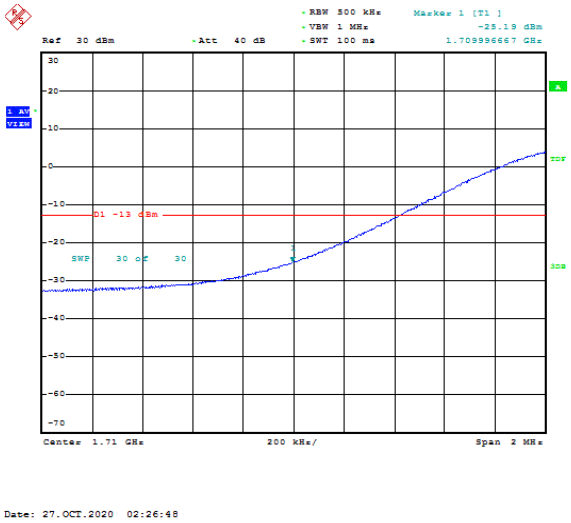

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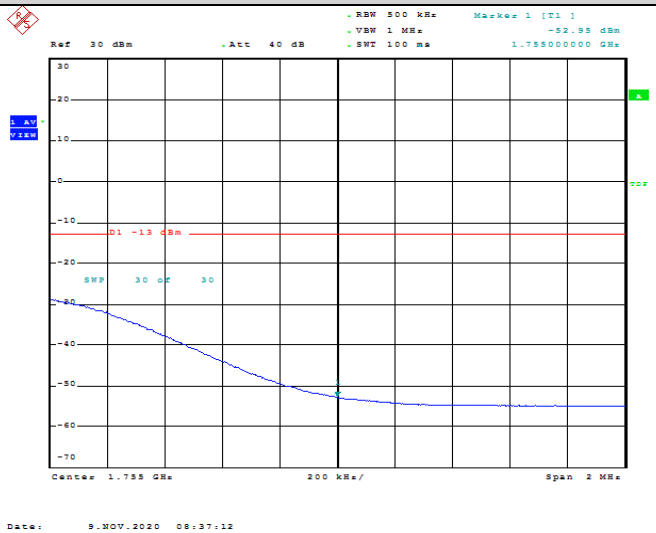

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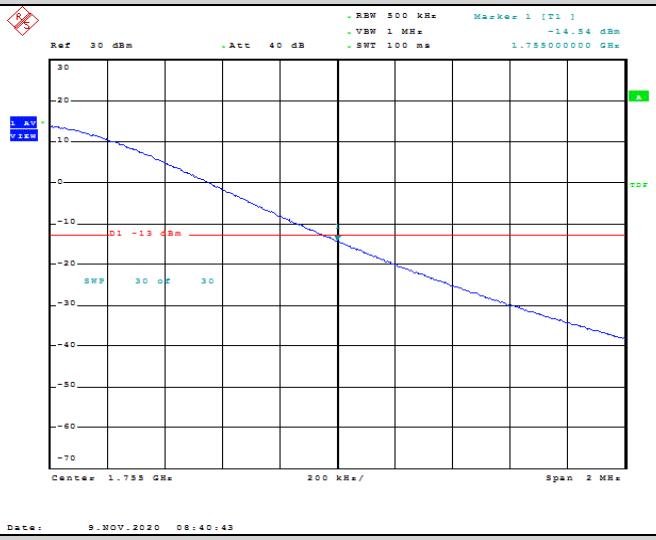

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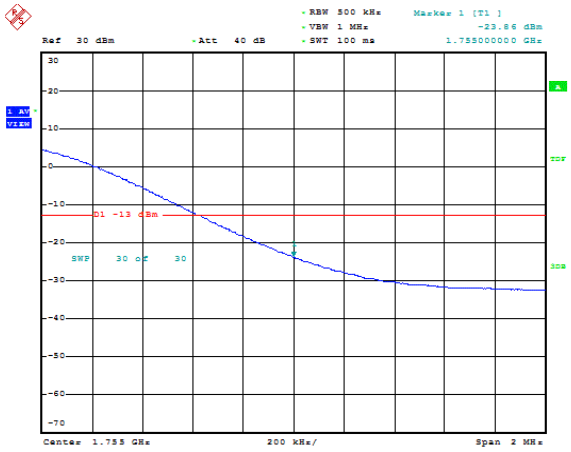


Date: 27.OCT.2020 02:28:00

1.5. Appendix E: Conducted Spurious Emission

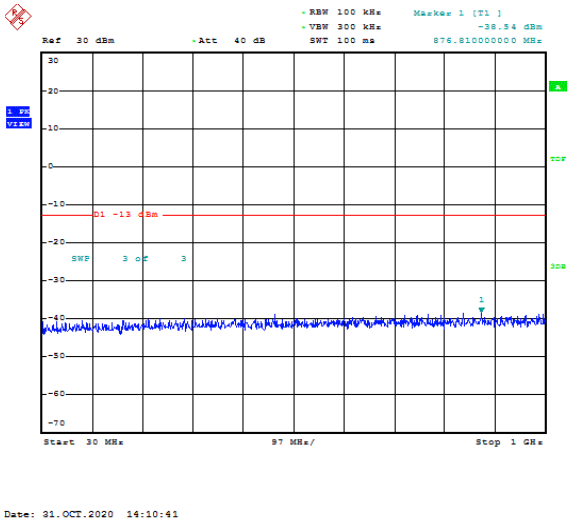
Test Result

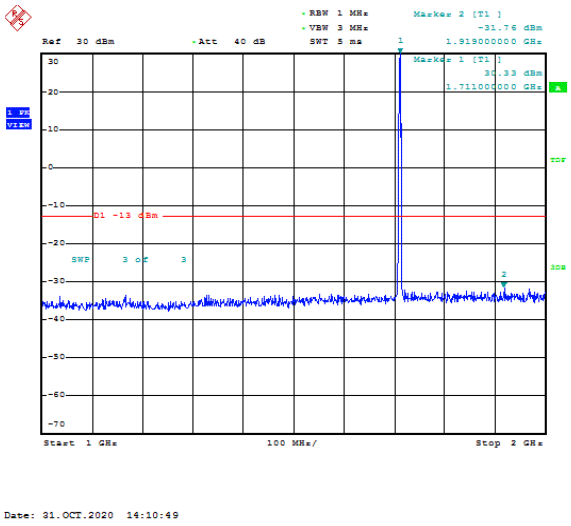
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-38.54	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~2000MHz	-31.76	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:2000~20000MHz	-30.31	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-38.99	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-31.17	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.8	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-38.29	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~2000MHz	-32.52	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:2000~20000MHz	-29.52	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-38.51	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~2000MHz	-31.63	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range3:2000~20000MHz	-29.44	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.21	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-31.51	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.09	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-38.1	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~2000MHz	-32.26	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:2000~20000MHz	-29.2	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-38.48	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~2000MHz	-32.68	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:2000~20000MHz	-29.87	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-38.45	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-31.67	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.41	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-38.29	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~2000MHz	-31.88	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:2000~20000MHz	-28.11	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-38.42	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~2000MHz	-32.31	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:2000~20000MHz	-29.35	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.73	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-31.9	PASS

Band4	3MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.74	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-38.4	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~2000MHz	-32.54	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range3:2000~20000MHz	-29.07	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-37.78	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~2000MHz	-32.02	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:2000~20000MHz	-29.58	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-37.95	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-32.15	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.65	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-37.8	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~2000MHz	-31.75	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:2000~20000MHz	-29.83	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-38.51	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~2000MHz	-31.73	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:2000~20000MHz	-29.04	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-37.9	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-31.72	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.47	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-38.26	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~2000MHz	-31.85	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:2000~20000MHz	-27.58	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1000MHz	-38.29	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000~2000MHz	-31.19	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:2000~20000MHz	-29.13	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-39.02	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-31.59	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-30.03	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1000MHz	-38.5	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000~2000MHz	-32.24	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:2000~20000MHz	-28.06	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1000MHz	-37.74	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:1000~2000MHz	-31.63	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:2000~20000MHz	-28.66	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.85	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-31	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.77	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1000MHz	-38.09	PASS

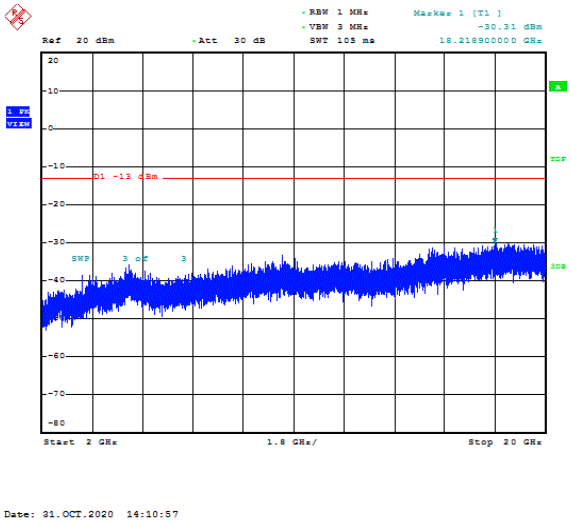
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000~2000MHz	-32.25	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:2000~20000MHz	-29.34	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1000MHz	-38.8	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000~2000MHz	-31.91	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:2000~20000MHz	-29.69	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-37.64	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-31.59	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.13	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1000MHz	-38.23	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000~2000MHz	-32.76	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:2000~20000MHz	-29.93	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1000MHz	-38.02	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000~2000MHz	-31.47	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:2000~20000MHz	-29.61	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.74	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-31.11	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.55	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1000MHz	-38.52	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000~2000MHz	-32.01	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:2000~20000MHz	-30.01	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-38.19	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~2000MHz	-31.57	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:2000~20000MHz	-30.05	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-38.68	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-32	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-29.4	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-38.15	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~2000MHz	-31.49	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:2000~20000MHz	-29.75	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-37.95	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~2000MHz	-30.94	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:2000~20000MHz	-29.83	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.22	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-32.12	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-29.39	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-38.29	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~2000MHz	-32.17	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:2000~20000MHz	-29.54	PASS

Test Graphs

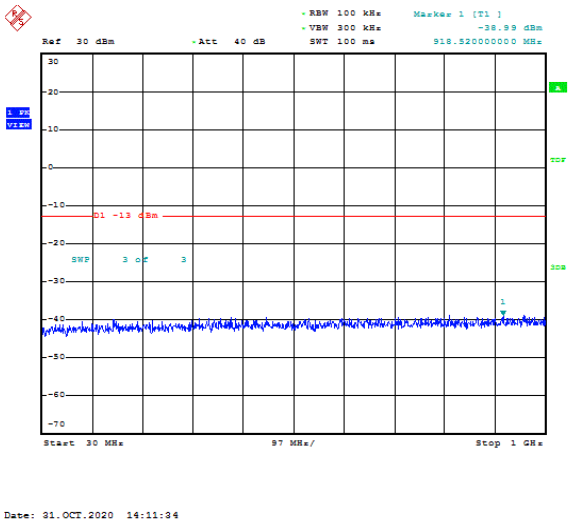
Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz


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


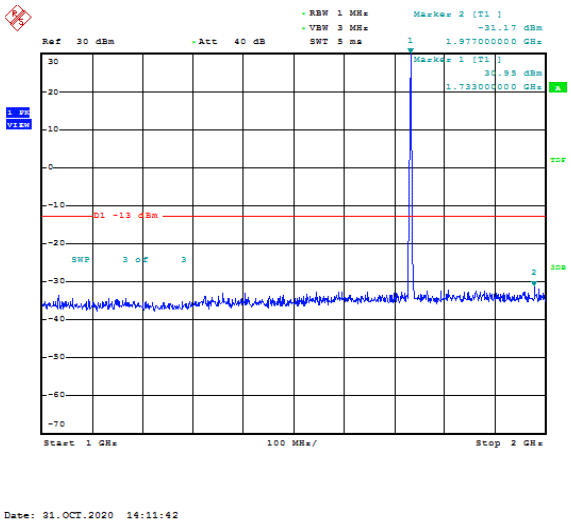
Band4-1.4MHz-QPSK-19957-1RB#0-Range3:2000~20000MHz



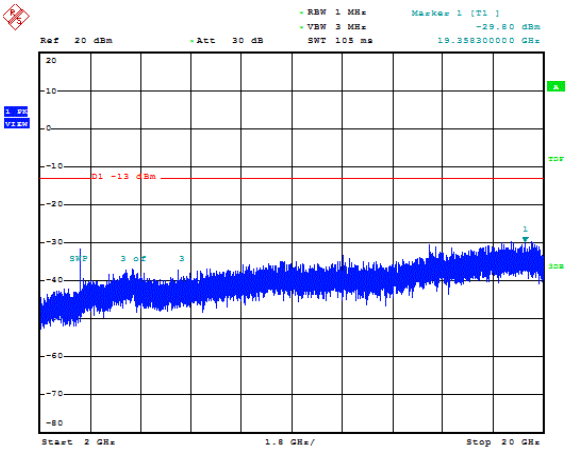
Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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

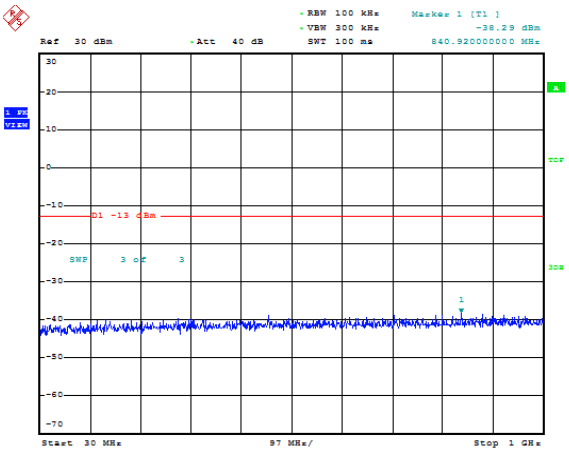


Band4-1.4MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



Date: 31.OCT.2020 14:11:50

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



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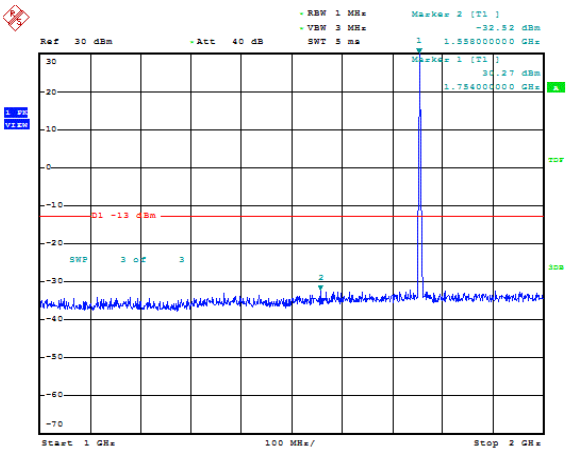
Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~2000MHz



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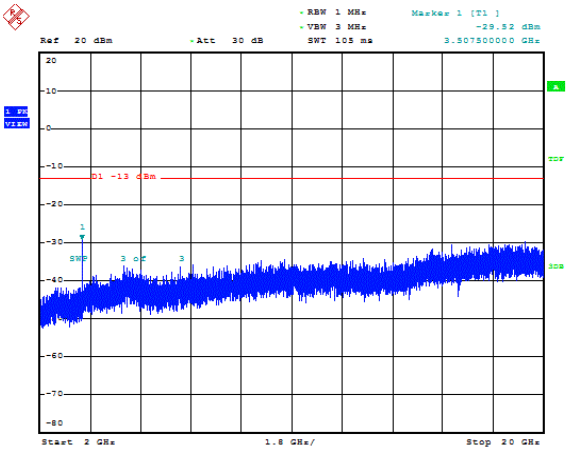
Band4-1.4MHz-QPSK-20393-1RB#0-Range3:2000~20000MHz



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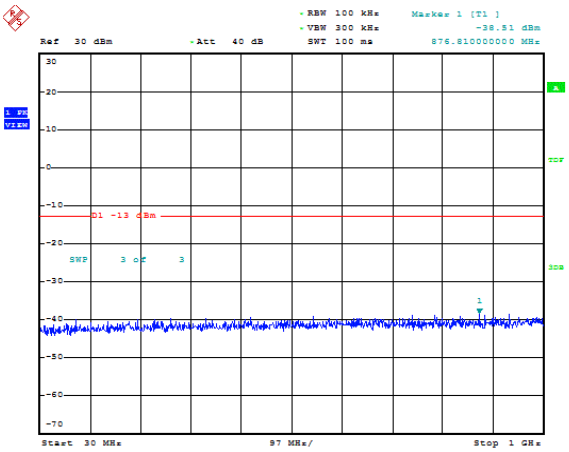
Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~1000MHz



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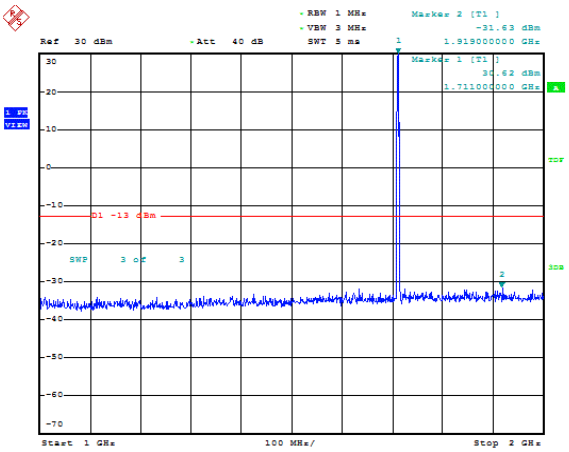
Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~2000MHz



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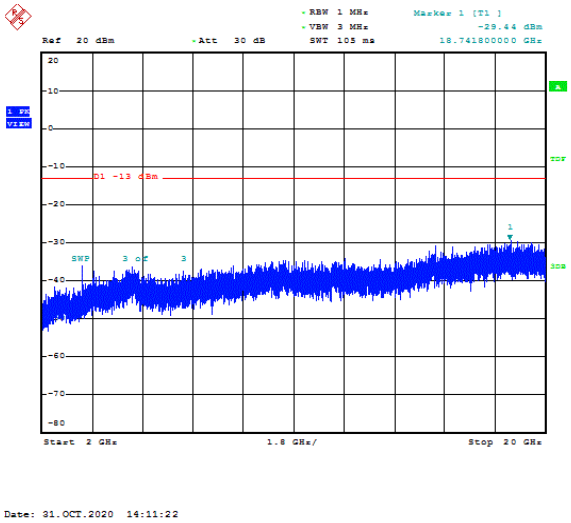
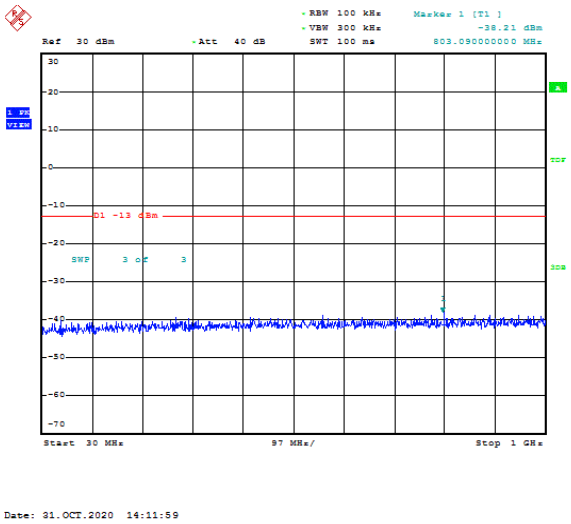
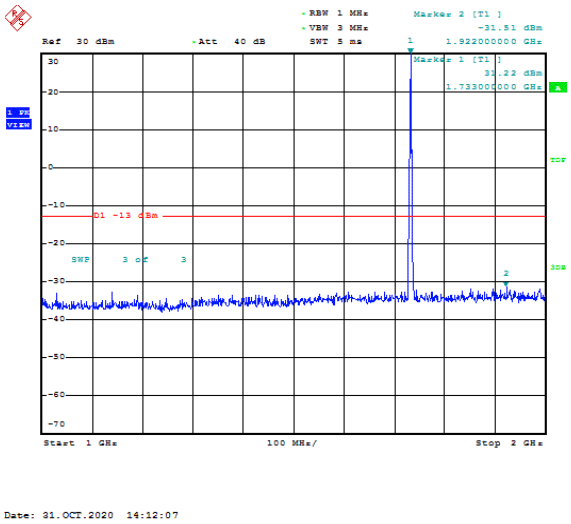
Band4-1.4MHz-16QAM-19957-1RB#0-Range3:2000~20000MHz



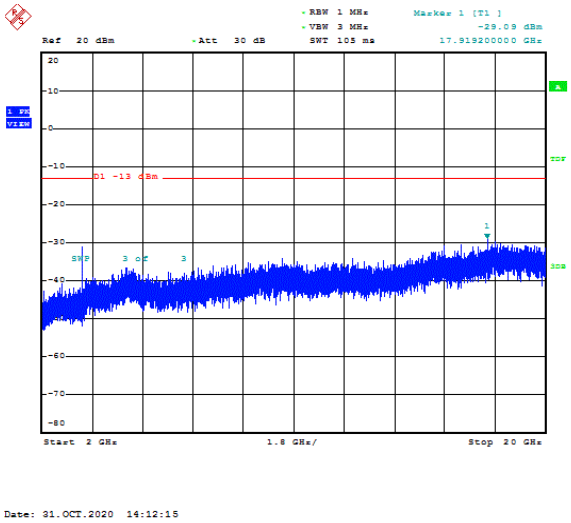
Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



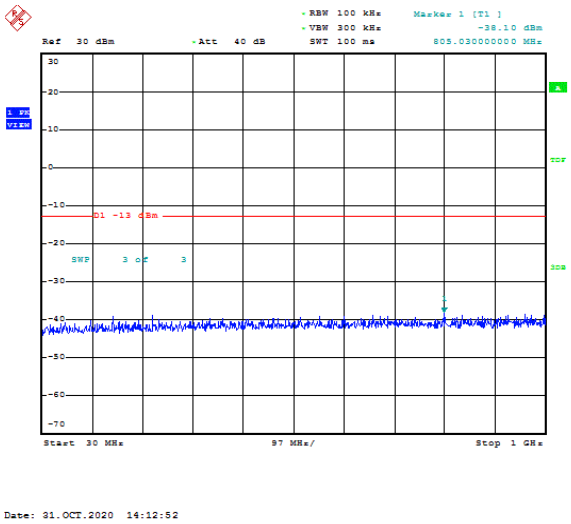
Band4-1.4MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



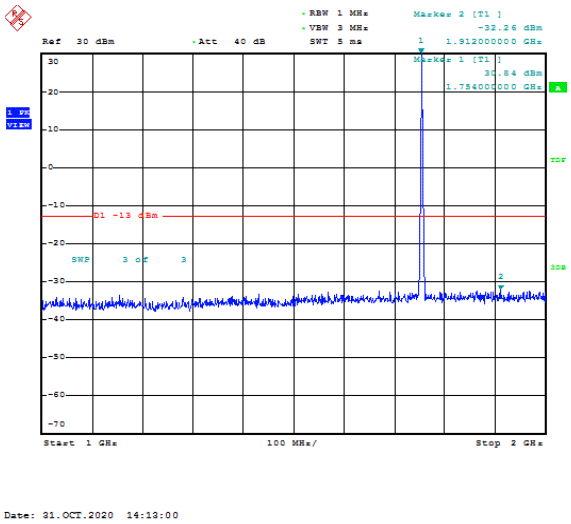
Band4-1.4MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



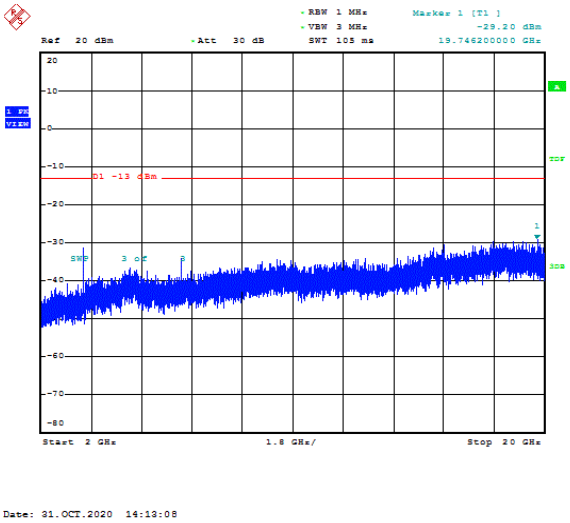
Band4-1.4MHz-16QAM-20393-1RB#0-Range1:30~1000MHz



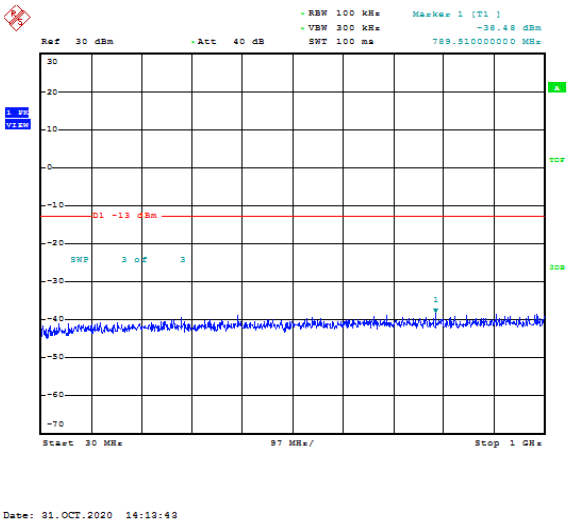
Band4-1.4MHz-16QAM-20393-1RB#0-Range2:1000~2000MHz



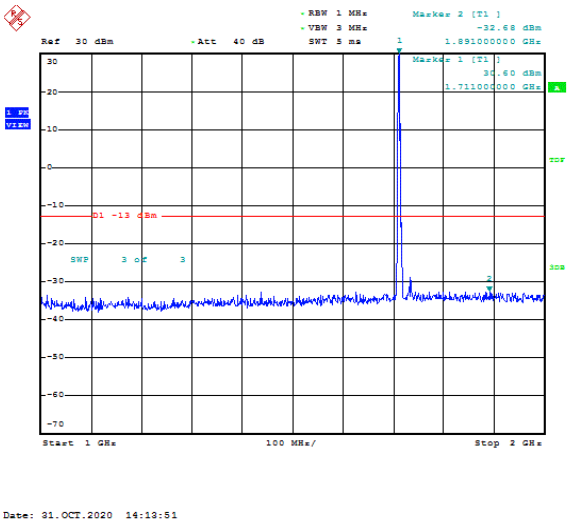
Band4-1.4MHz-16QAM-20393-1RB#0-Range3:2000~20000MHz



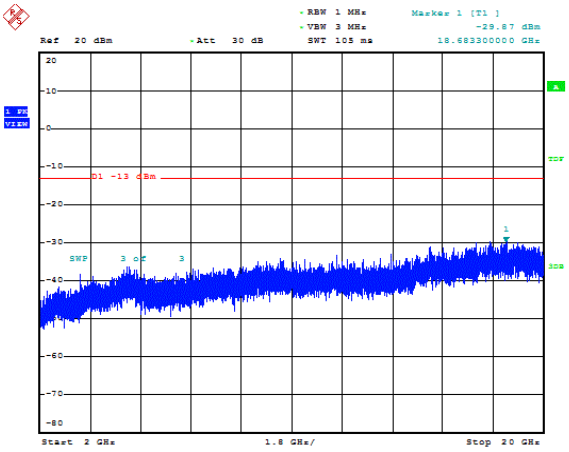
Band4-3MHz-QPSK-19965-1RB#0-Range1:30~1000MHz



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



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



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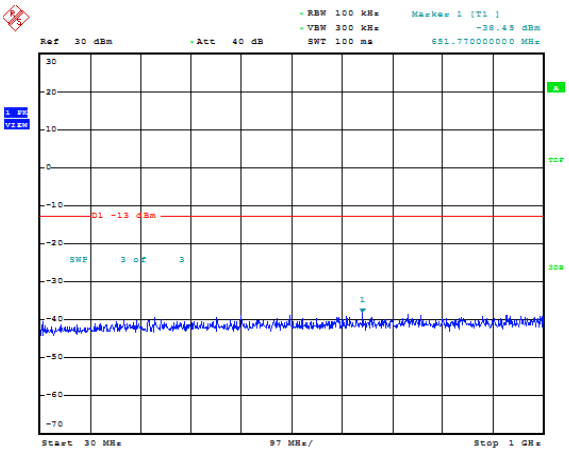
Band4-3MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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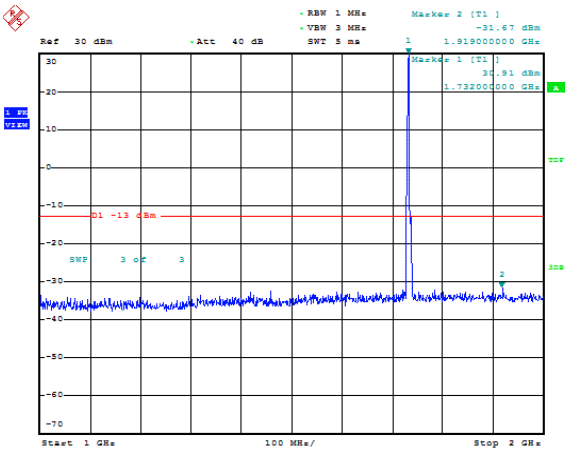
Band4-3MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



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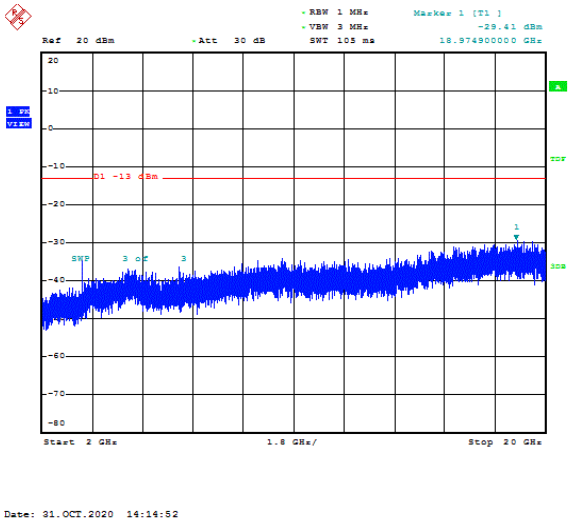
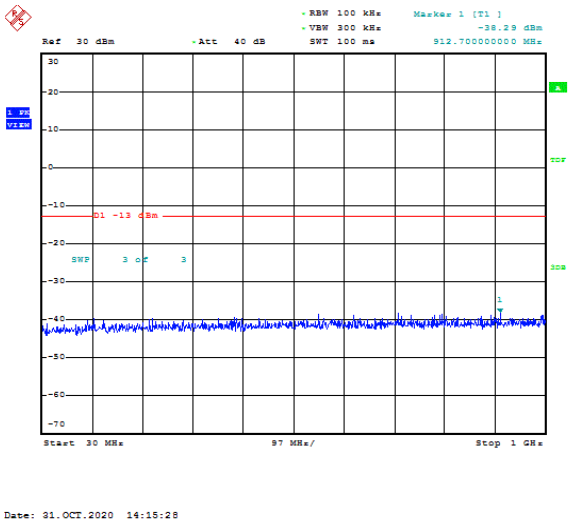
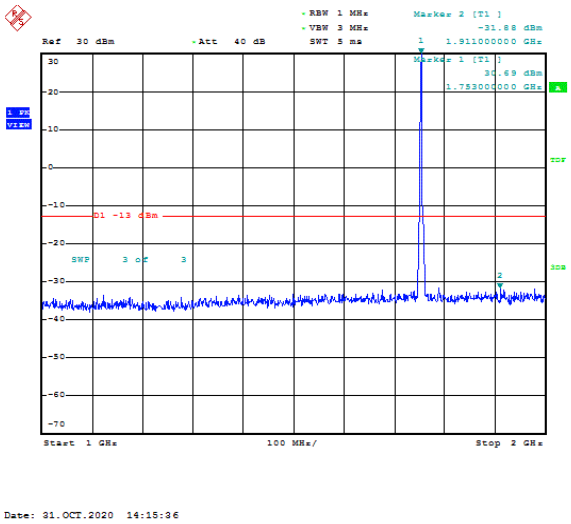
Band4-3MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



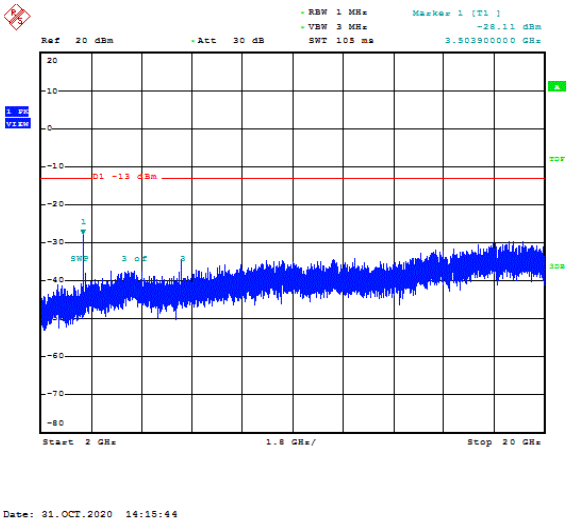
Band4-3MHz-QPSK-20385-1RB#0-Range1:30~1000MHz



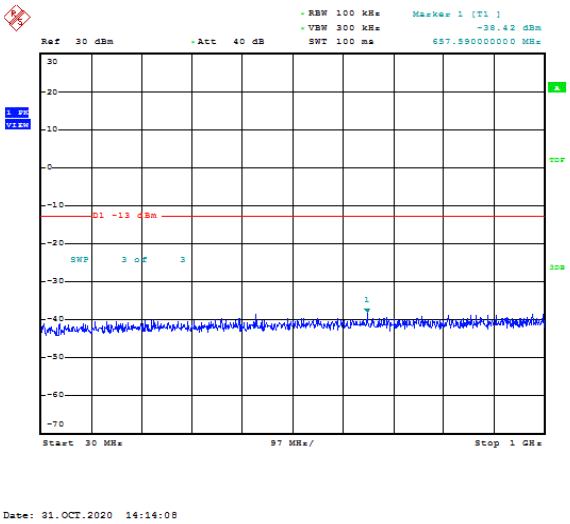
Band4-3MHz-QPSK-20385-1RB#0-Range2:1000~2000MHz



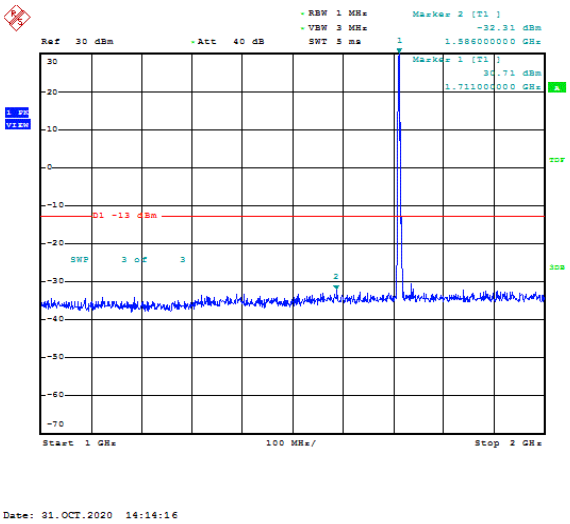
Band4-3MHz-QPSK-20385-1RB#0-Range3:2000~20000MHz



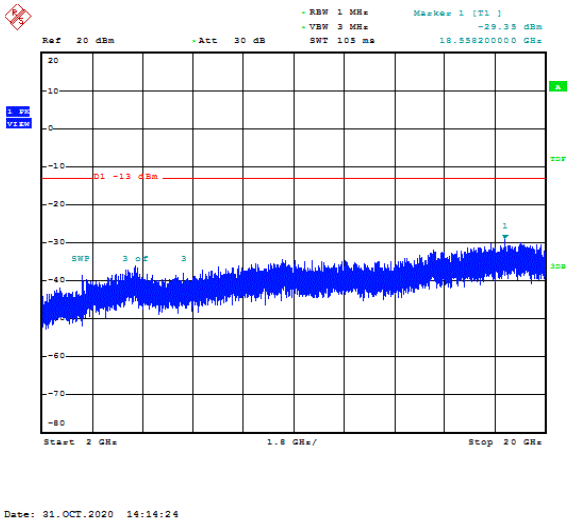
Band4-3MHz-16QAM-19965-1RB#0-Range1:30~1000MHz



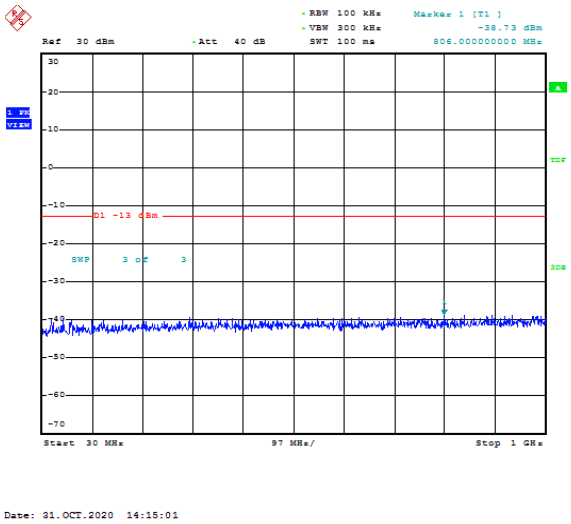
Band4-3MHz-16QAM-19965-1RB#0-Range2:1000~2000MHz



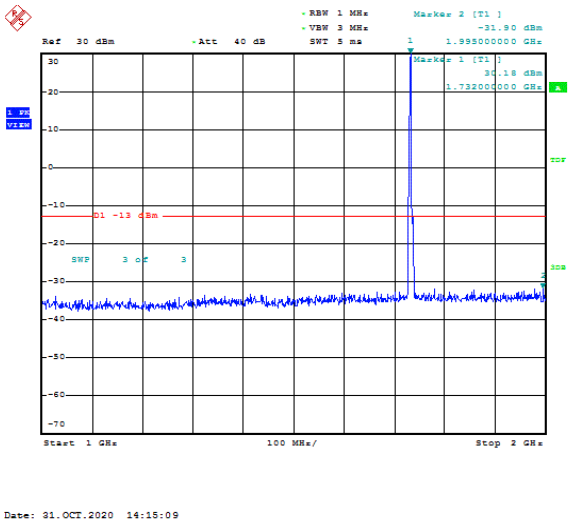
Band4-3MHz-16QAM-19965-1RB#0-Range3:2000~20000MHz



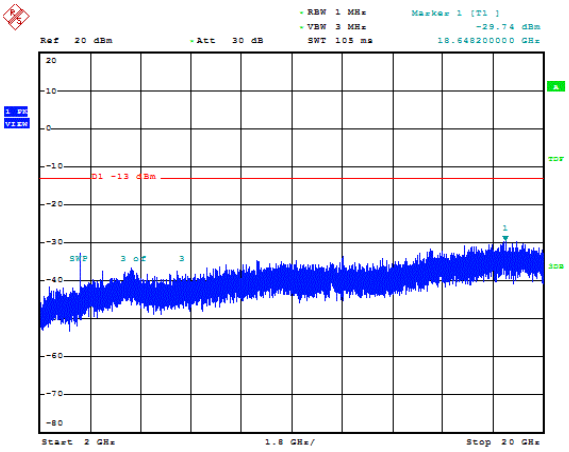
Band4-3MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



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



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



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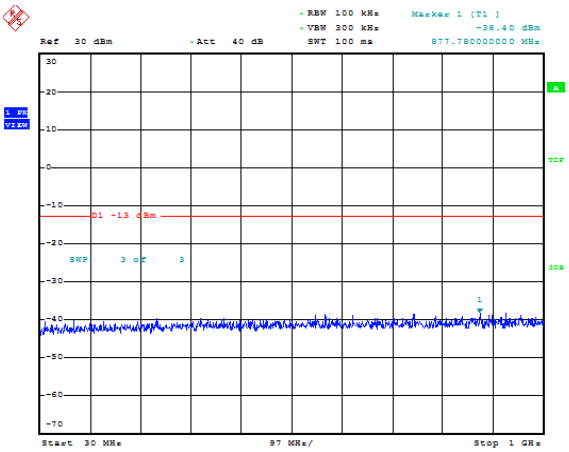
Band4-3MHz-16QAM-20385-1RB#0-Range1:30~1000MHz



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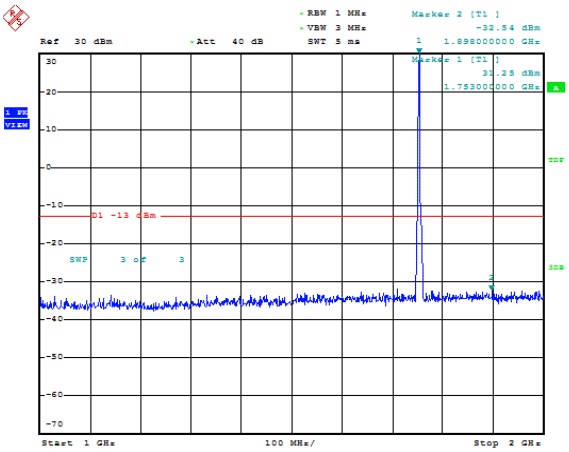
Band4-3MHz-16QAM-20385-1RB#0-Range2:1000~2000MHz



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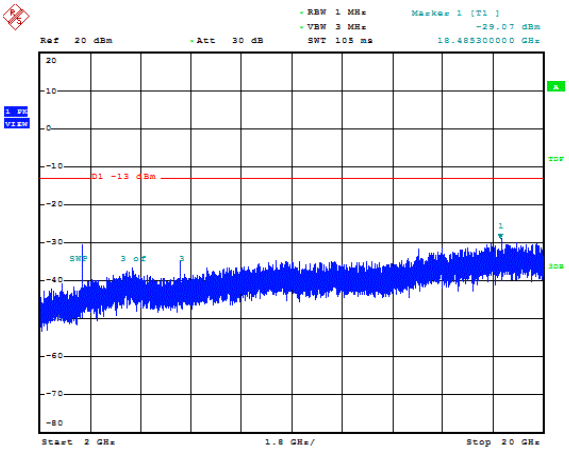
Band4-3MHz-16QAM-20385-1RB#0-Range3:2000~20000MHz



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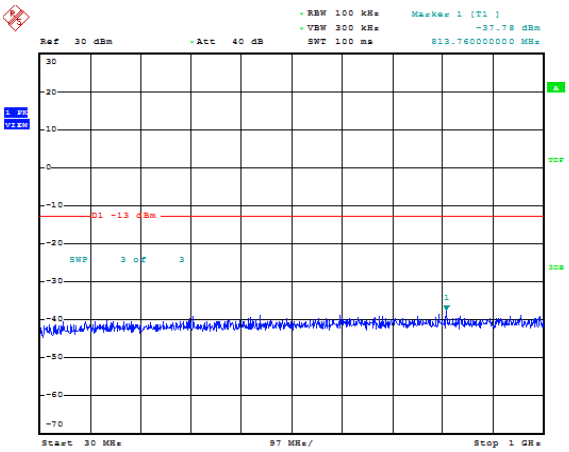
Band4-5MHz-QPSK-19975-1RB#0-Range1:30~1000MHz



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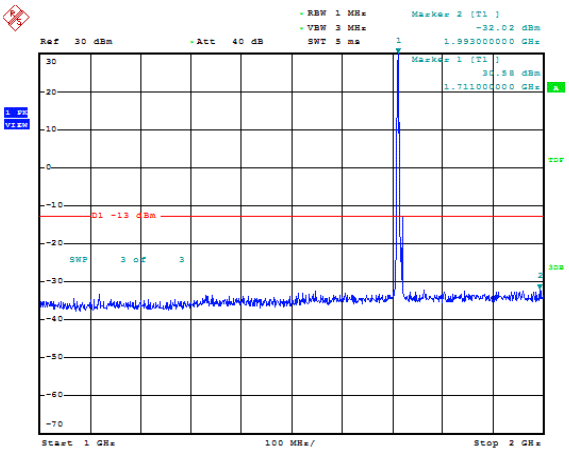
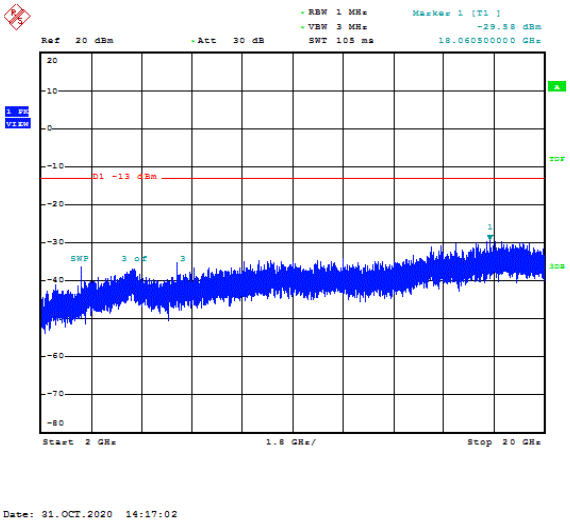
Band4-5MHz-QPSK-19975-1RB#0-Range2:1000~2000MHz

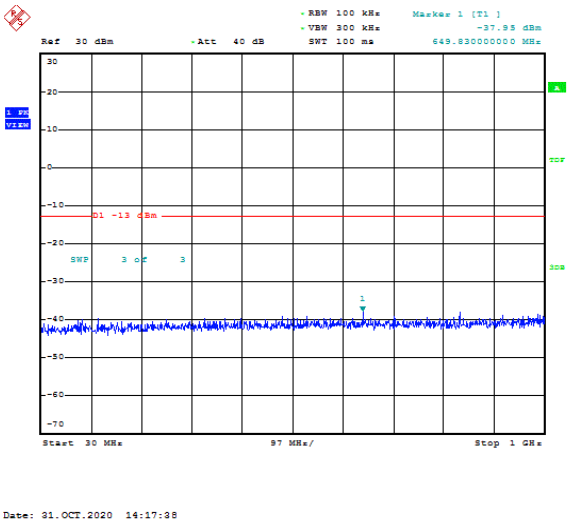


Date: 31.OCT.2020 14:16:54

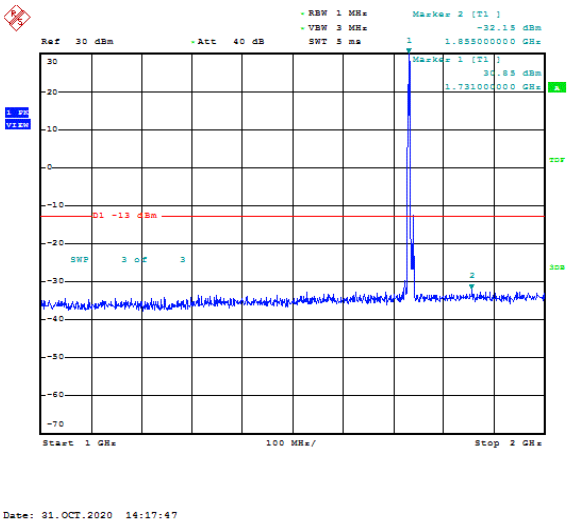
Band4-5MHz-QPSK-19975-1RB#0-Range3:2000~20000MHz



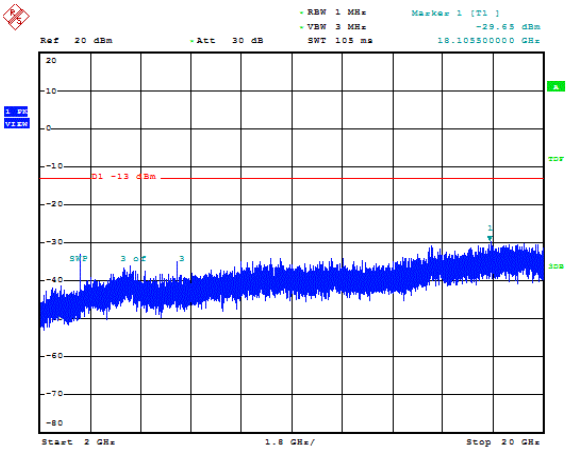
Band4-5MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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

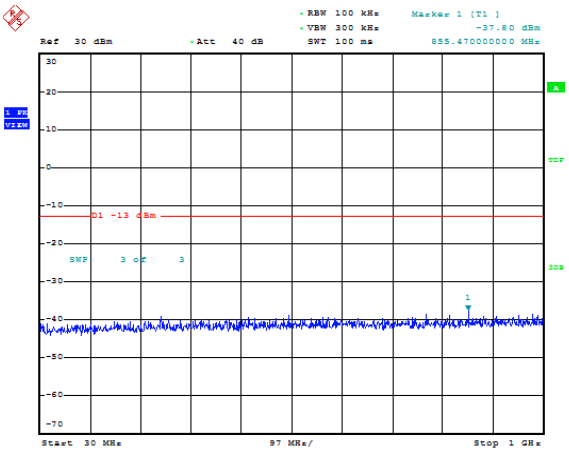


Band4-5MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



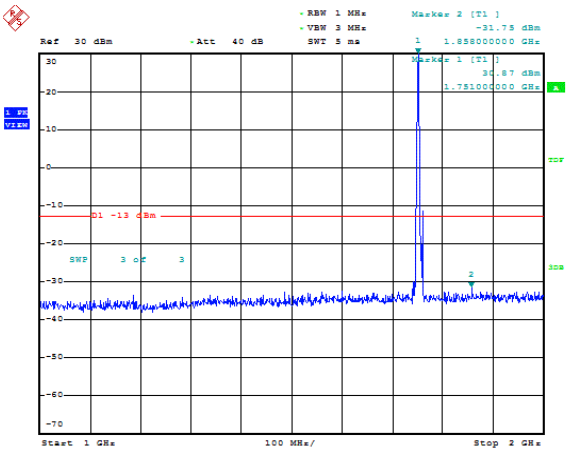
Date: 31.OCT.2020 14:17:54

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



Date: 31.OCT.2020 14:18:31

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



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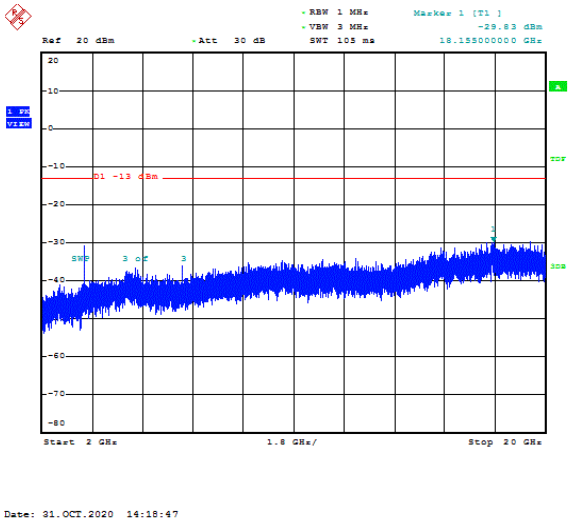
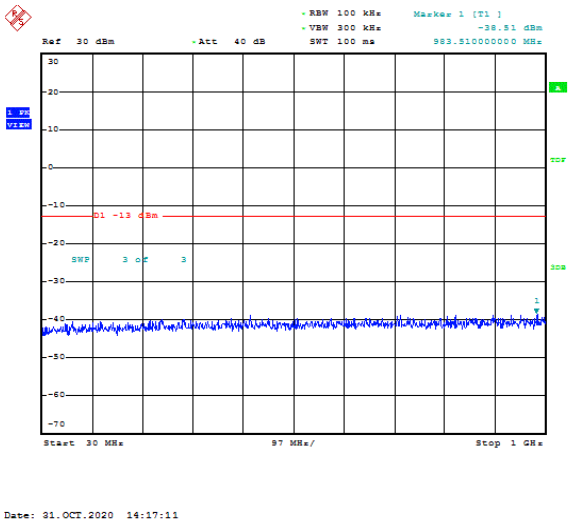
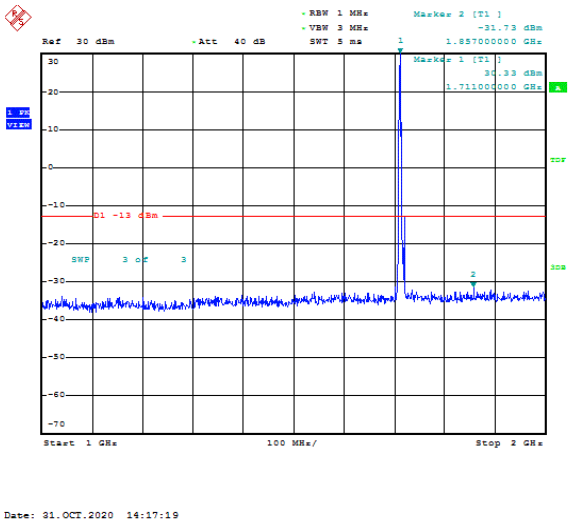
Band4-5MHz-QPSK-20375-1RB#0-Range3:2000~20000MHz



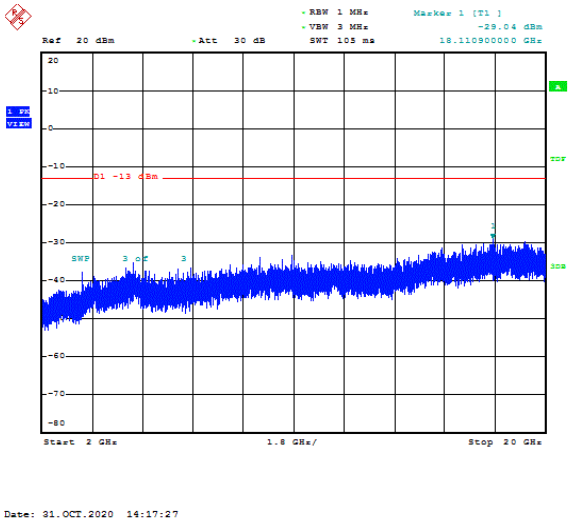
Band4-5MHz-16QAM-19975-1RB#0-Range1:30~1000MHz



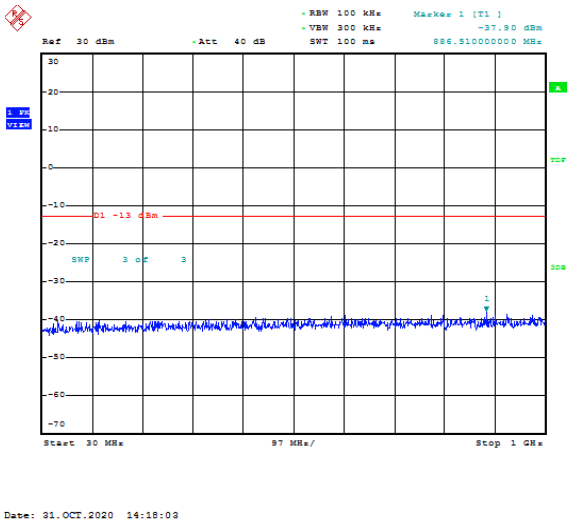
Band4-5MHz-16QAM-19975-1RB#0-Range2:1000~2000MHz



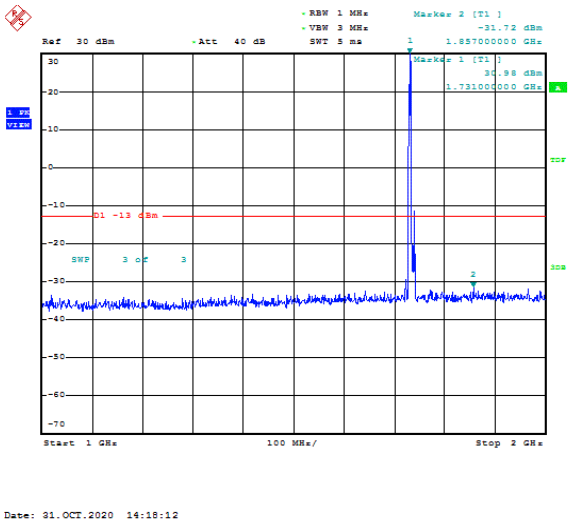
Band4-5MHz-16QAM-19975-1RB#0-Range3:2000~20000MHz



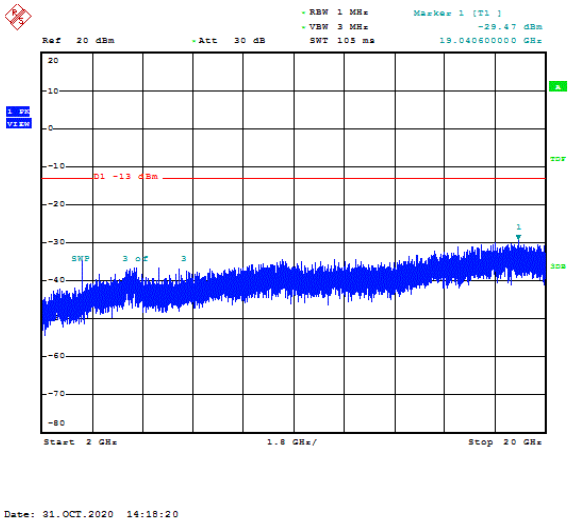
Band4-5MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



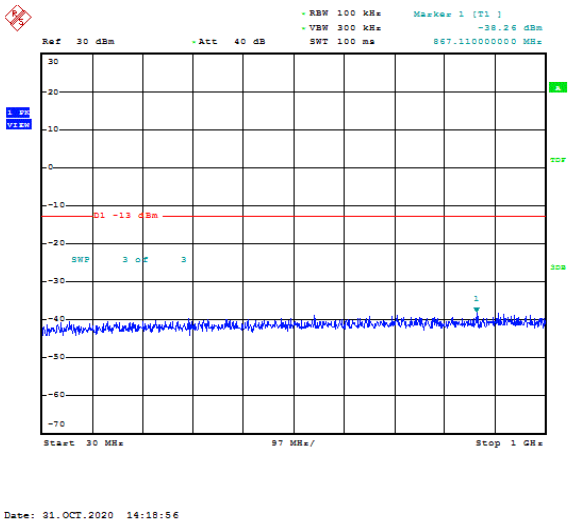
Band4-5MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



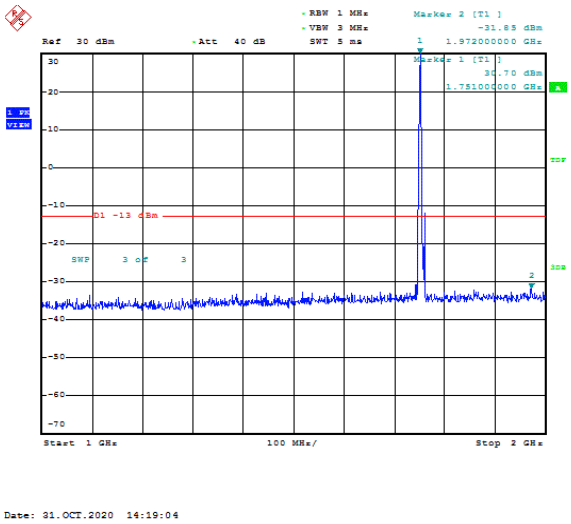
Band4-5MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



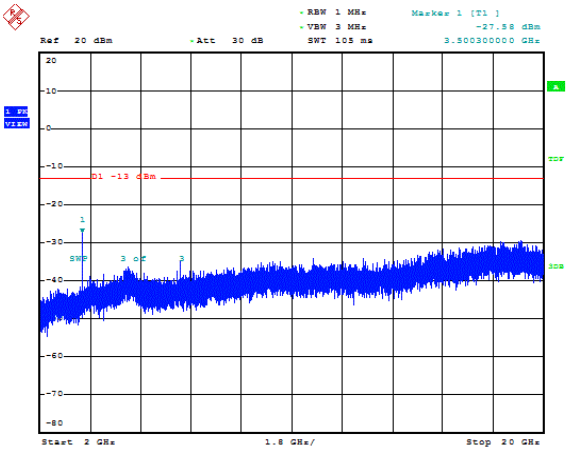
Band4-5MHz-16QAM-20375-1RB#0-Range1:30~1000MHz



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

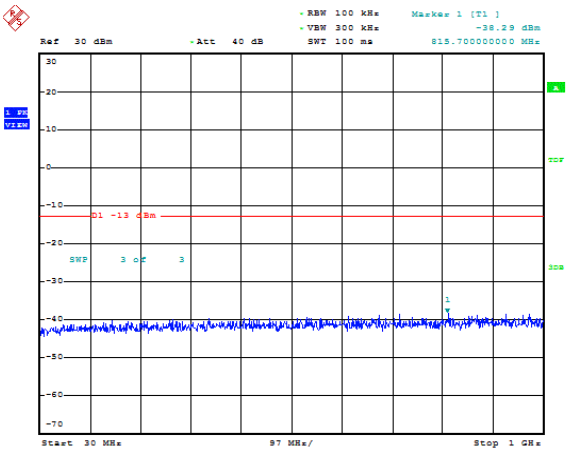


Band4-5MHz-16QAM-20375-1RB#0-Range3:2000~20000MHz



Date: 31.OCT.2020 14:19:12

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



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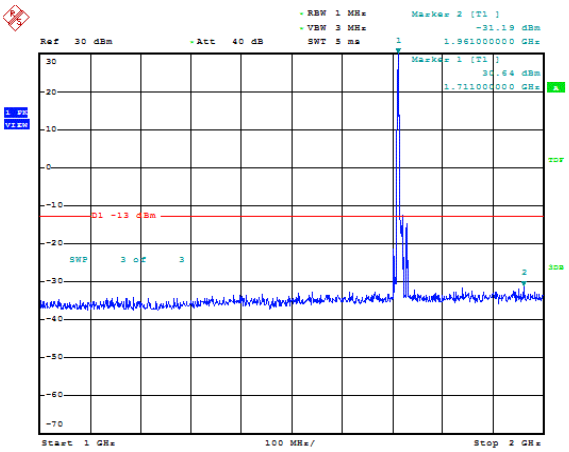
Band4-10MHz-QPSK-20000-1RB#0-Range2:1000~2000MHz



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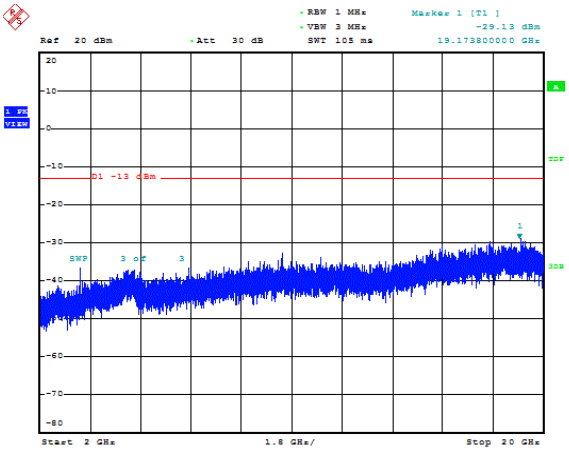
Band4-10MHz-QPSK-20000-1RB#0-Range3:2000~20000MHz



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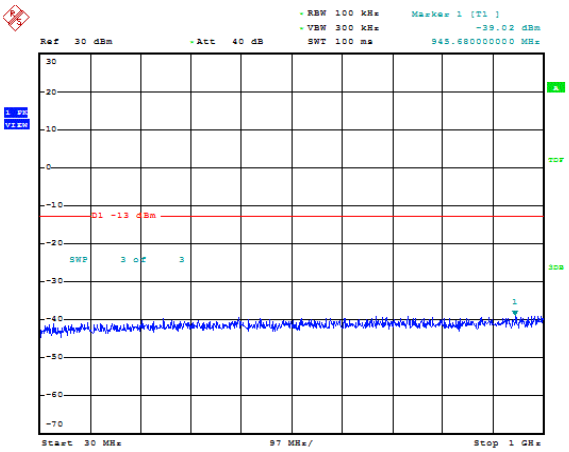
Band4-10MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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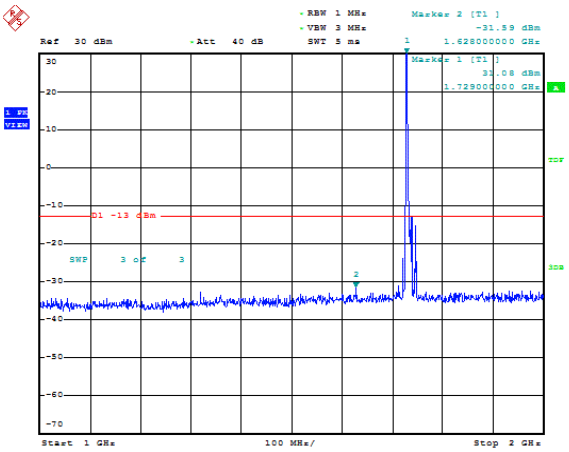
Band4-10MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



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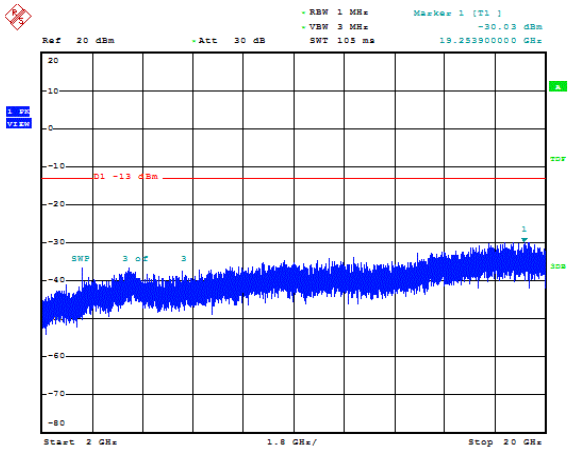
Band4-10MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



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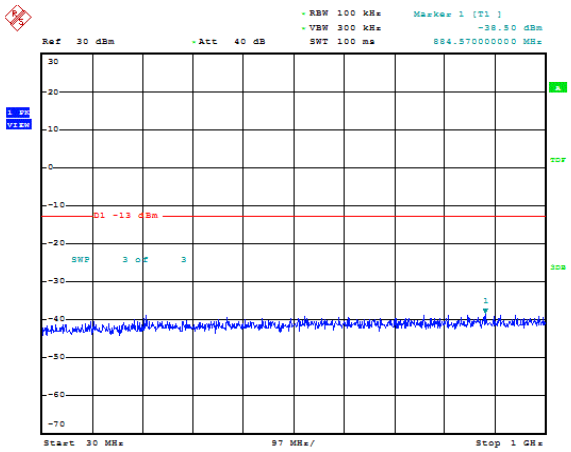
Band4-10MHz-QPSK-20350-1RB#0-Range1:30~1000MHz



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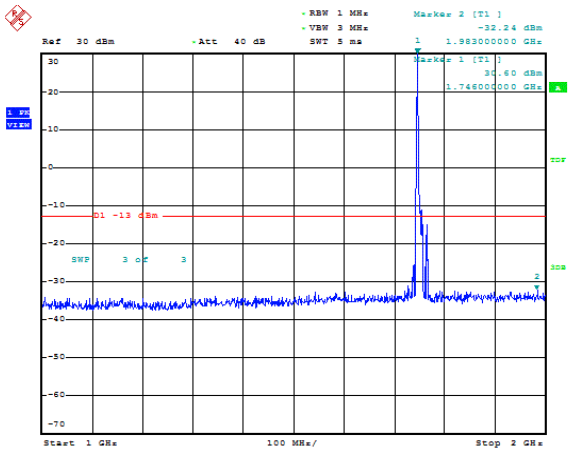
Band4-10MHz-QPSK-20350-1RB#0-Range2:1000~2000MHz



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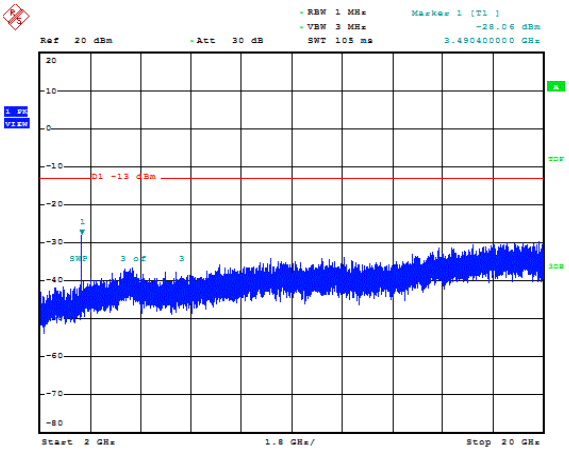
Band4-10MHz-QPSK-20350-1RB#0-Range3:2000~20000MHz



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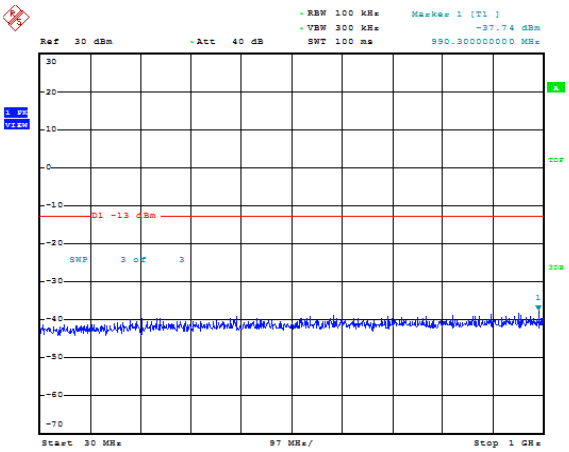
Band4-10MHz-16QAM-20000-1RB#0-Range1:30~1000MHz



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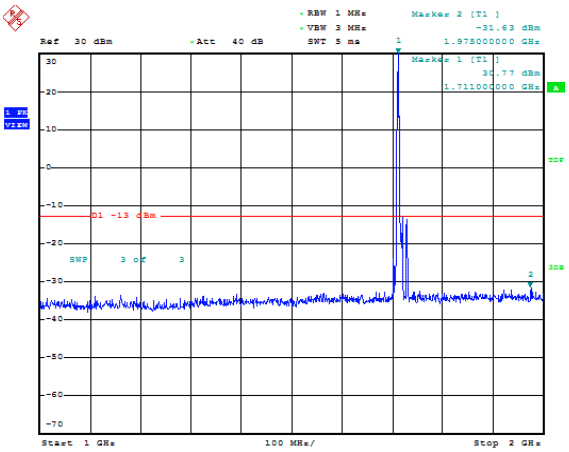
Band4-10MHz-16QAM-20000-1RB#0-Range2:1000~2000MHz



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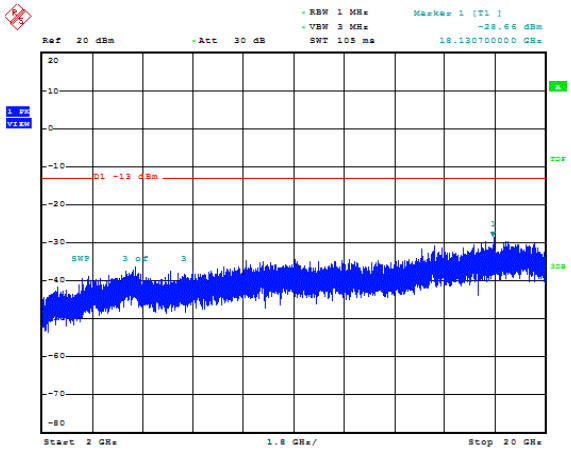
Band4-10MHz-16QAM-20000-1RB#0-Range3:2000~20000MHz



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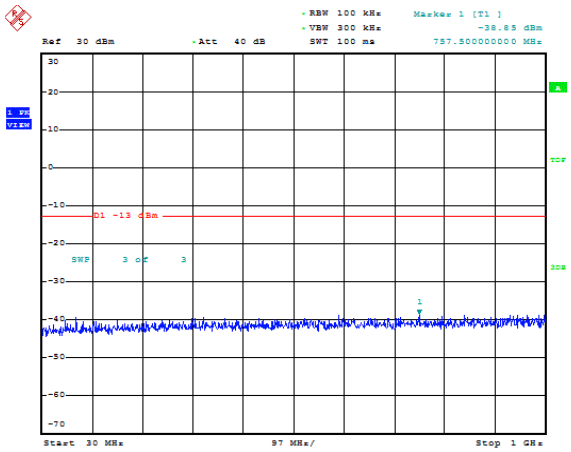
Band4-10MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



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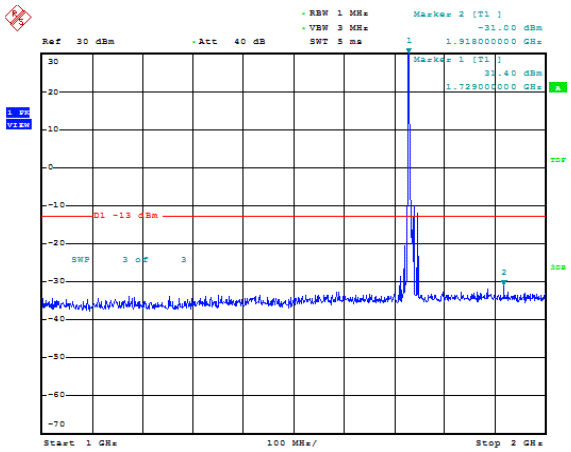
Band4-10MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



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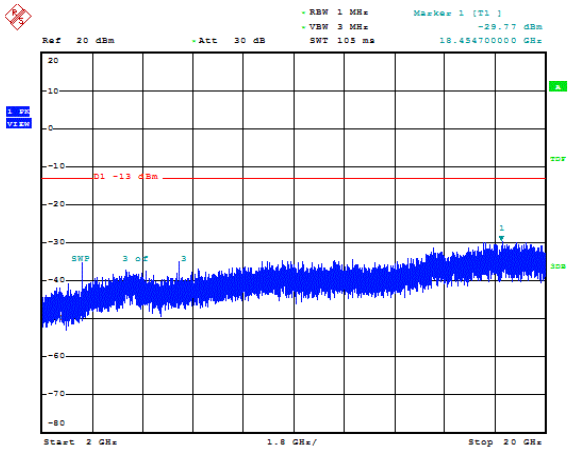
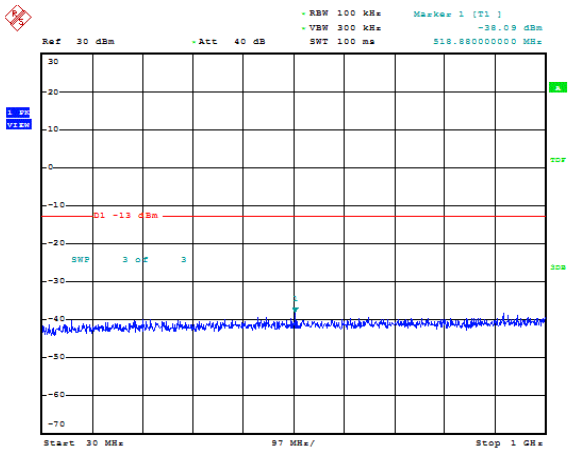
Band4-10MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



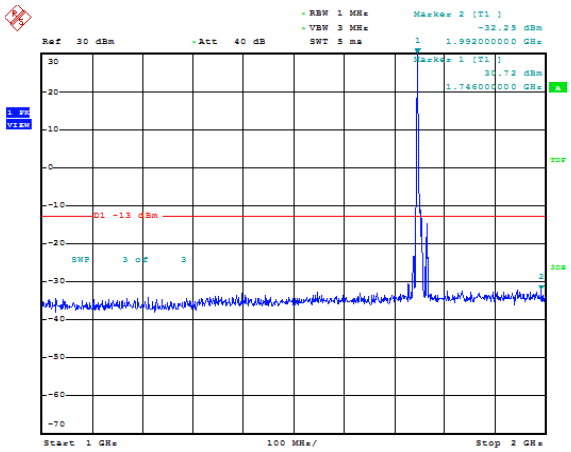
Date: 31.OCT.2020 14:21:25

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



Date: 31.OCT.2020 14:22:01

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



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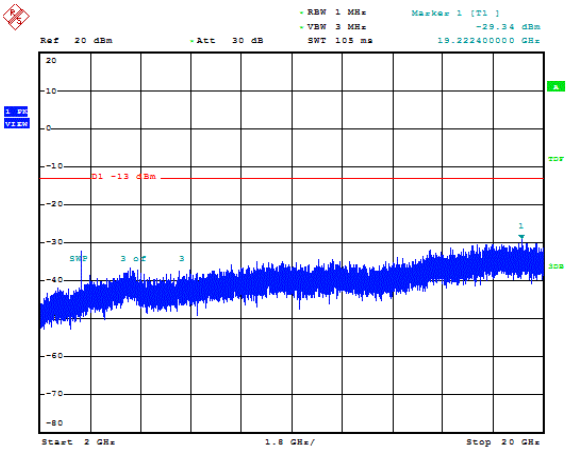
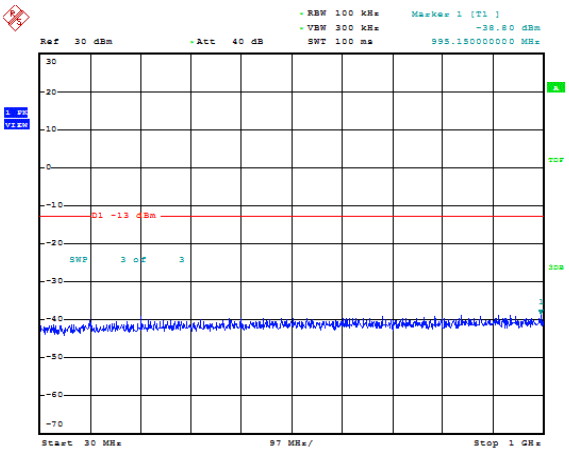
Band4-10MHz-16QAM-20350-1RB#0-Range3:2000~20000MHz



Date: 31.OCT.2020 14:22:17

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



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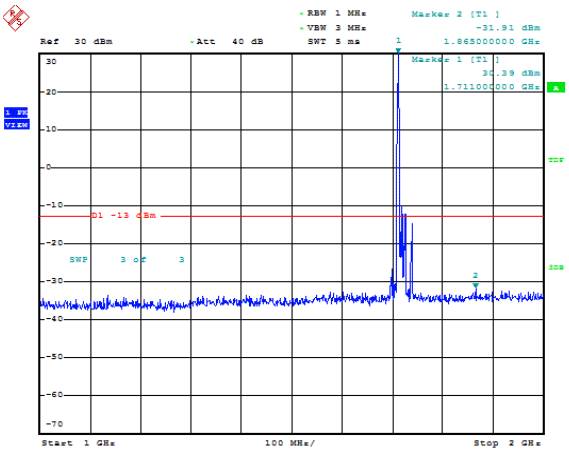
Band4-15MHz-QPSK-20025-1RB#0-Range2:1000~2000MHz



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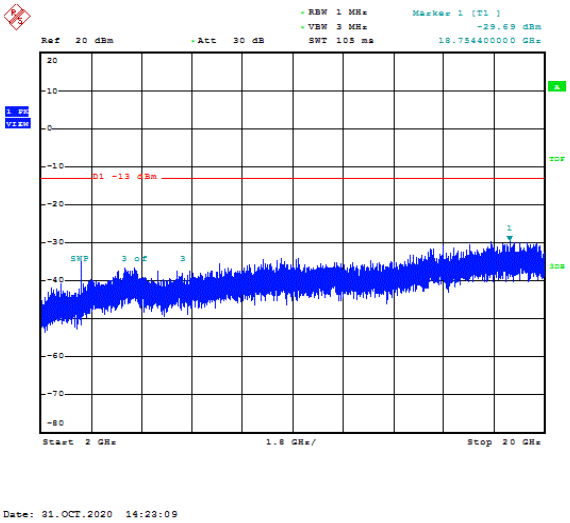
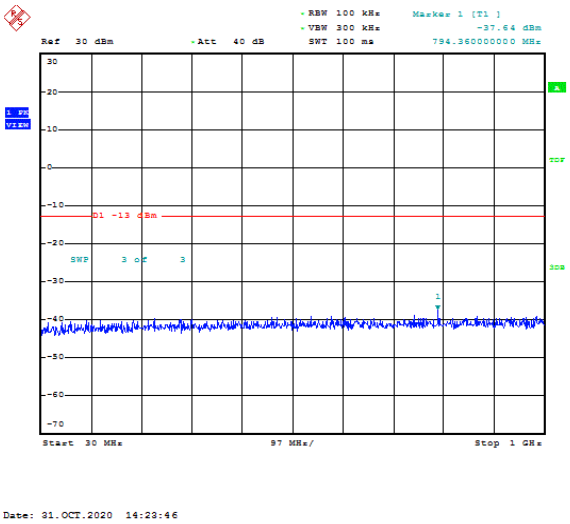
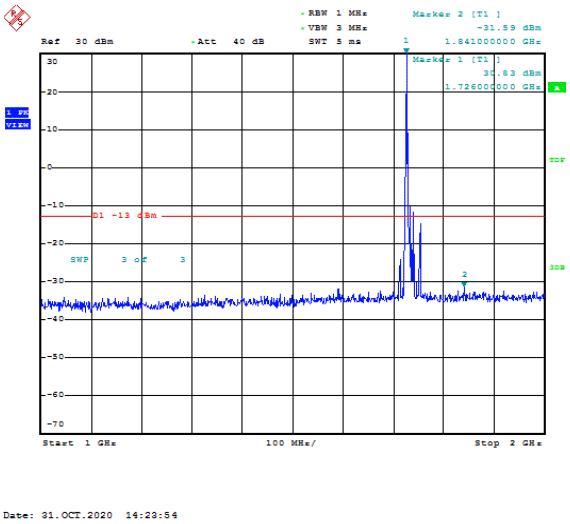
Band4-15MHz-QPSK-20025-1RB#0-Range3:2000~20000MHz



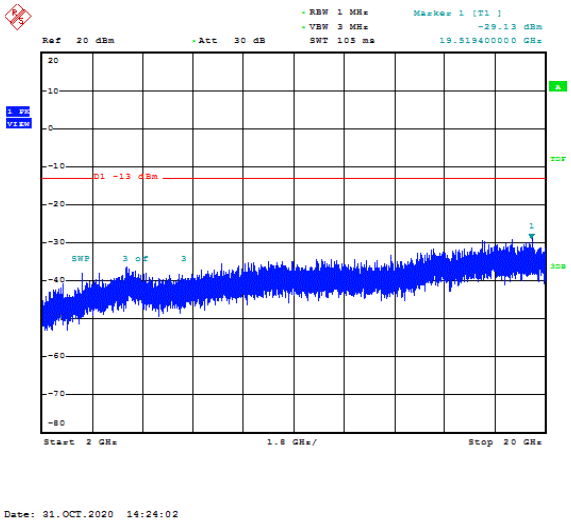
Band4-15MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



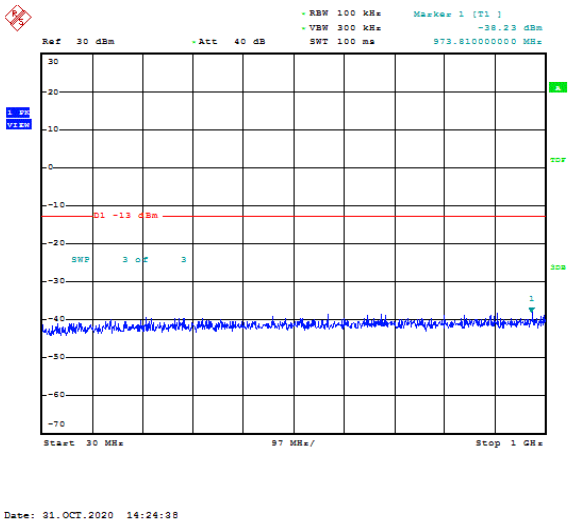
Band4-15MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



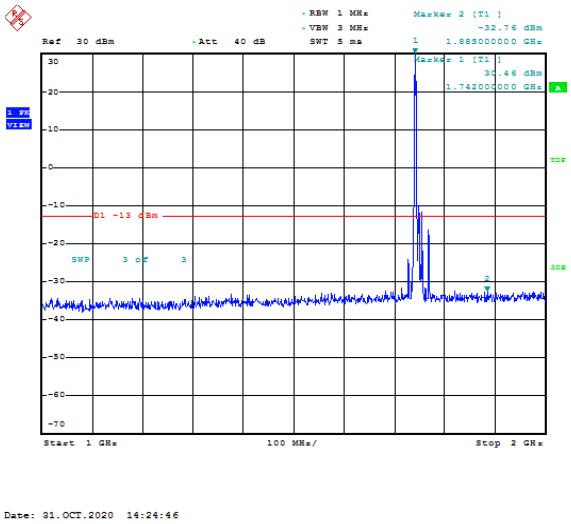
Band4-15MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



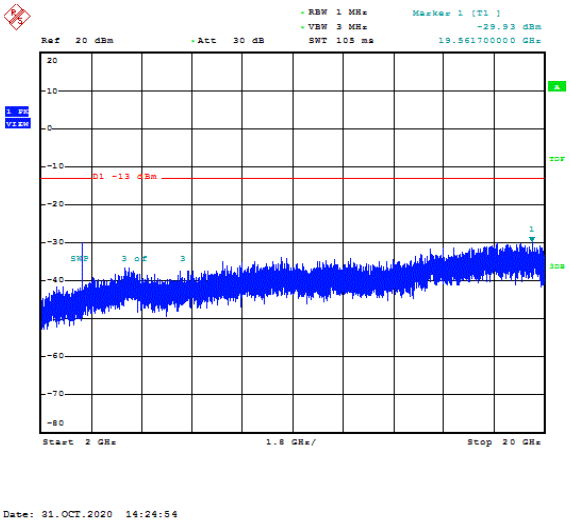
Band4-15MHz-QPSK-20325-1RB#0-Range1:30~1000MHz



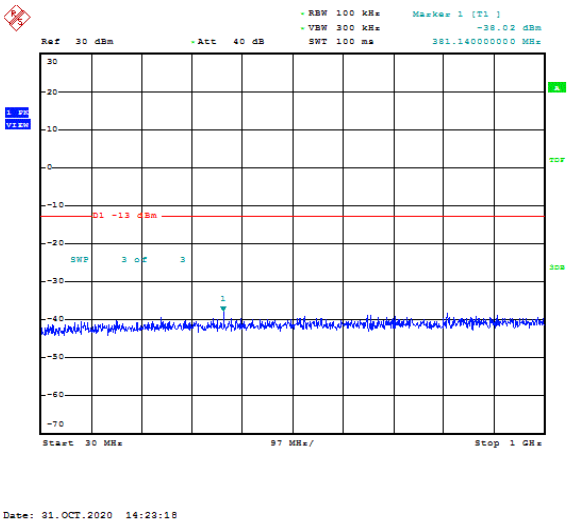
Band4-15MHz-QPSK-20325-1RB#0-Range2:1000~2000MHz



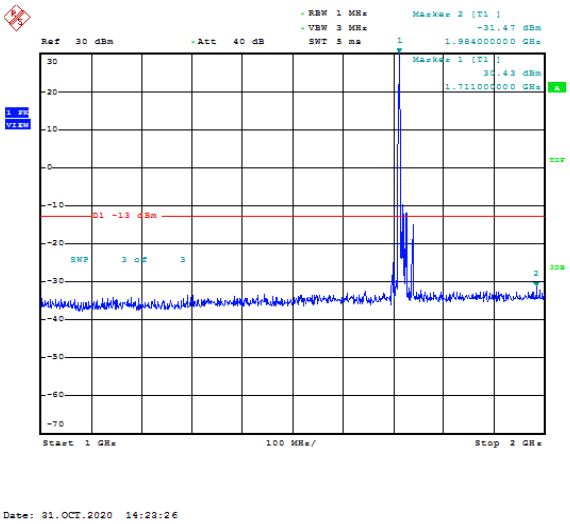
Band4-15MHz-QPSK-20325-1RB#0-Range3:2000~20000MHz



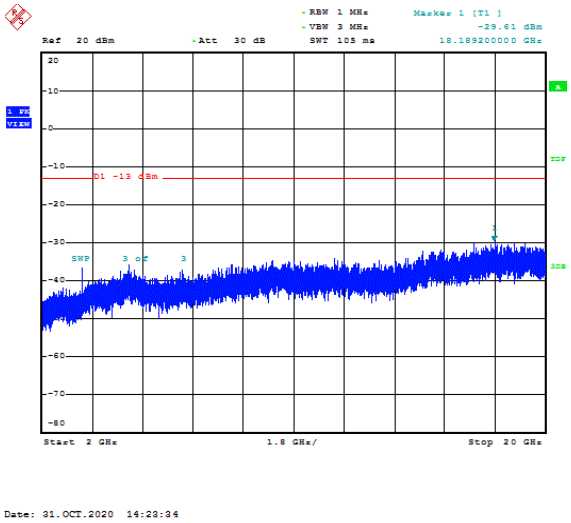
Band4-15MHz-16QAM-20025-1RB#0-Range1:30~1000MHz



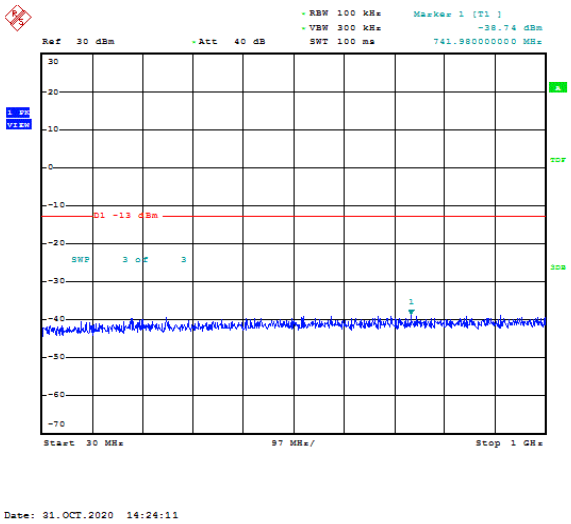
Band4-15MHz-16QAM-20025-1RB#0-Range2:1000~2000MHz



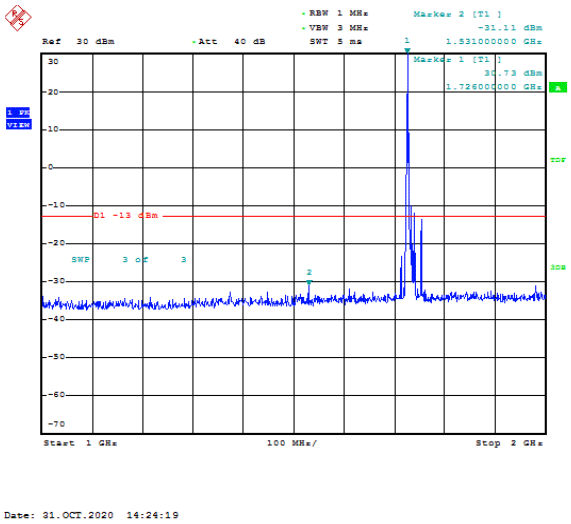
Band4-15MHz-16QAM-20025-1RB#0-Range3:2000~20000MHz



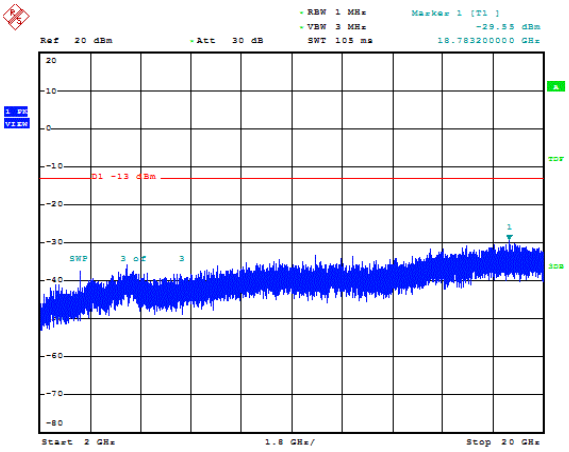
Band4-15MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



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



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



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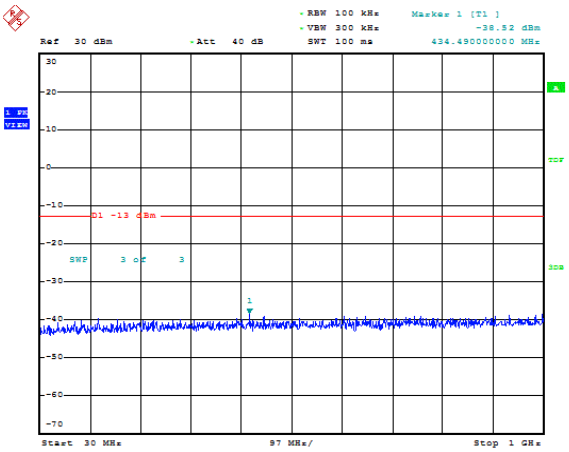
Band4-15MHz-16QAM-20325-1RB#0-Range1:30~1000MHz



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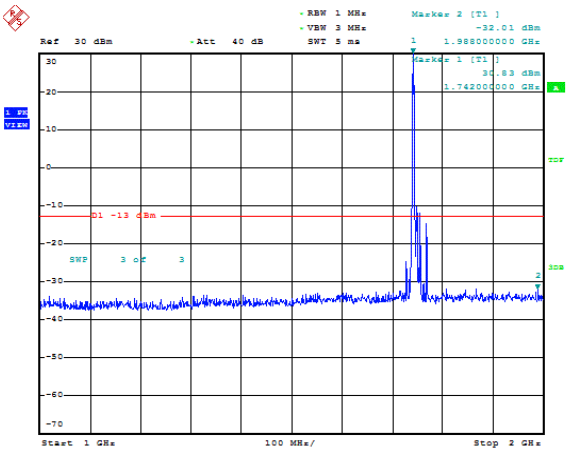
Band4-15MHz-16QAM-20325-1RB#0-Range2:1000~2000MHz



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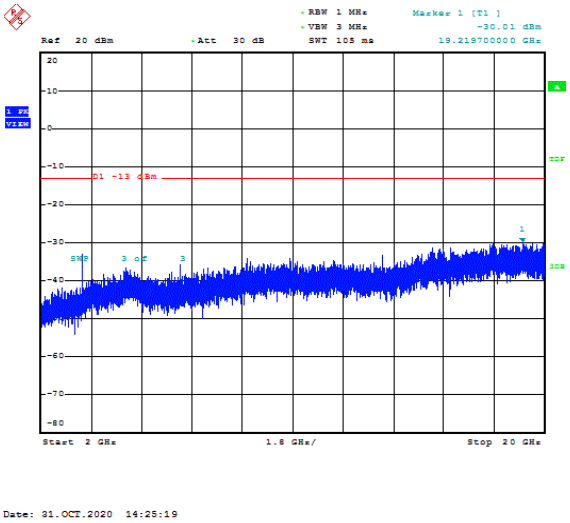
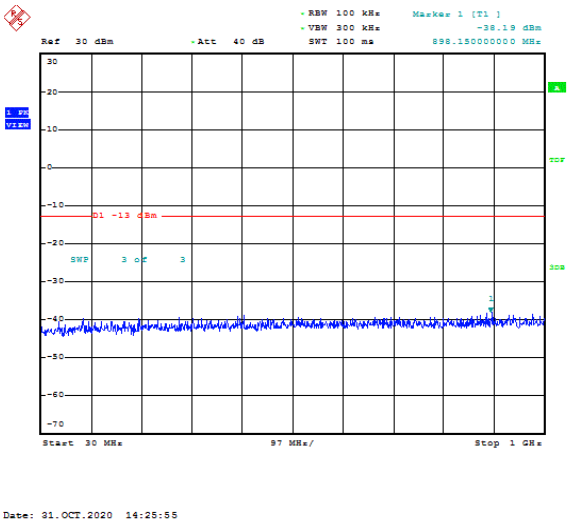
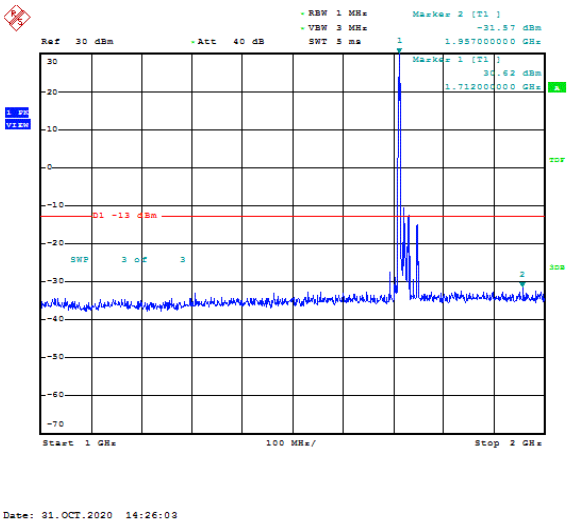
Band4-15MHz-16QAM-20325-1RB#0-Range3:2000~20000MHz



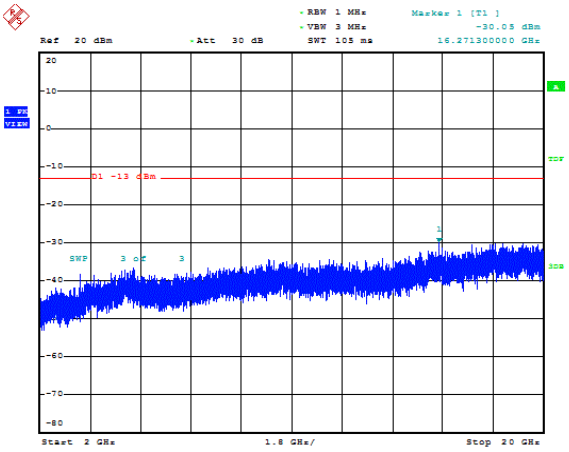
Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



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

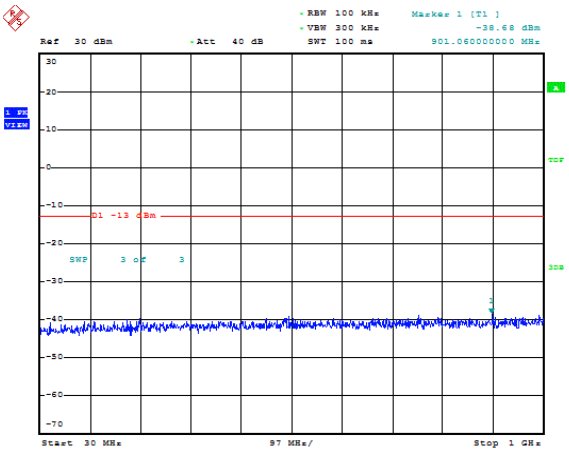


Band4-20MHz-QPSK-20050-1RB#0-Range3:2000~20000MHz



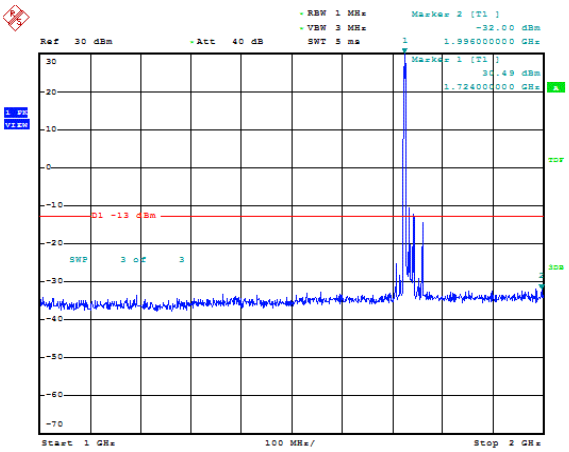
Date: 31.OCT.2020 14:26:11

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



Date: 31.OCT.2020 14:26:47

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



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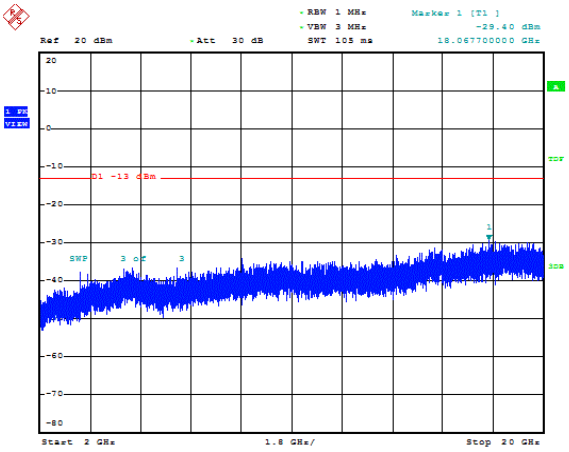
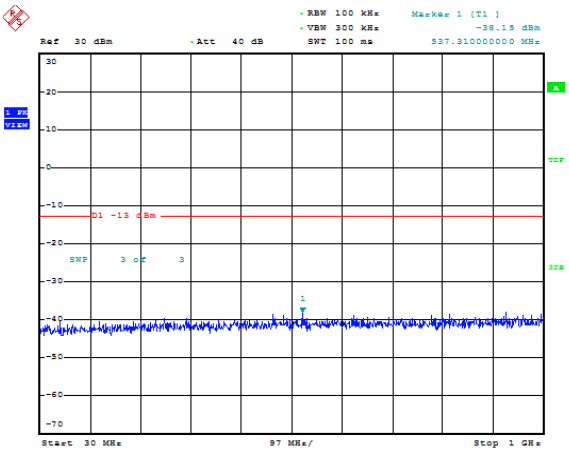
Band4-20MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



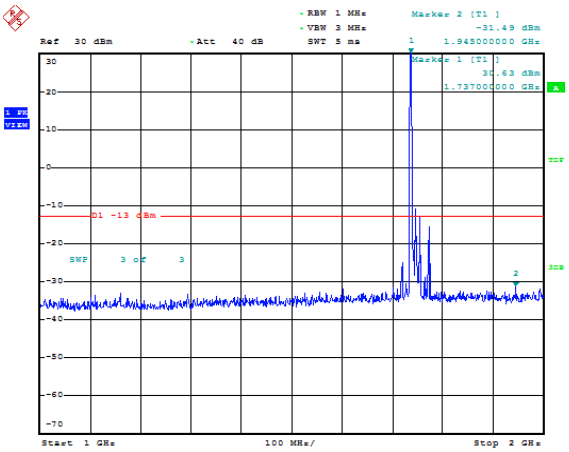
Date: 31.OCT.2020 14:27:03

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



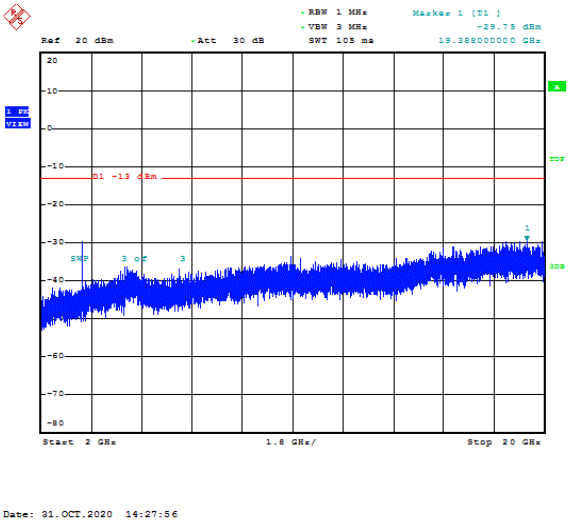
Date: 31.OCT.2020 14:27:40

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

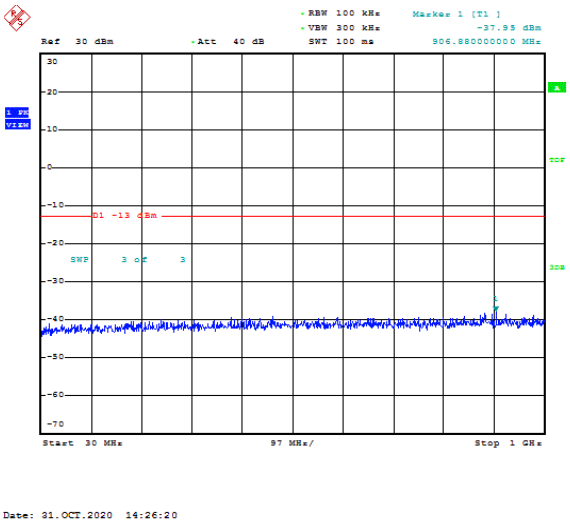


Date: 31.OCT.2020 14:27:48

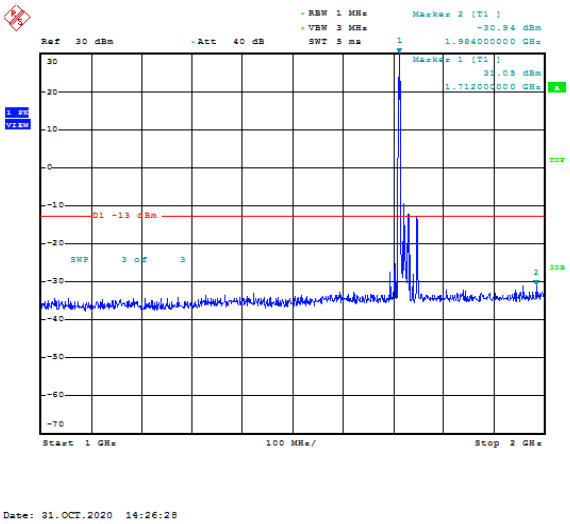
Band4-20MHz-QPSK-20300-1RB#0-Range3:2000~20000MHz



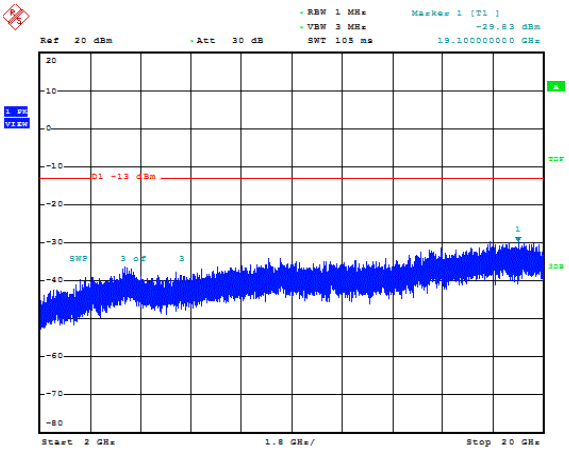
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



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

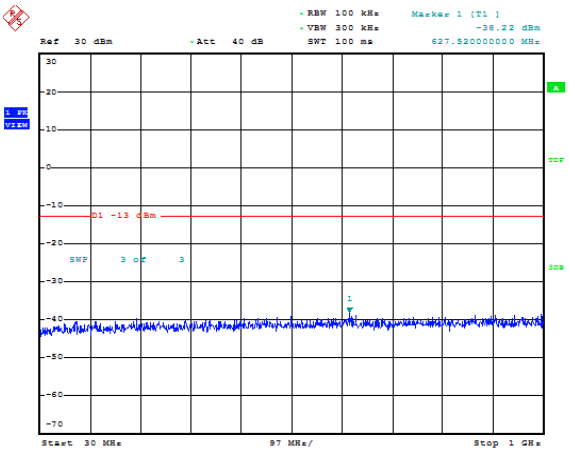


Band4-20MHz-16QAM-20050-1RB#0-Range3:2000~20000MHz



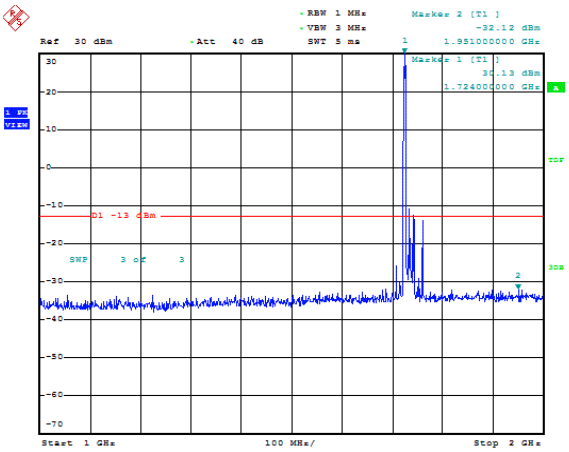
Date: 31.OCT.2020 14:26:36

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



Date: 31.OCT.2020 14:27:12

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



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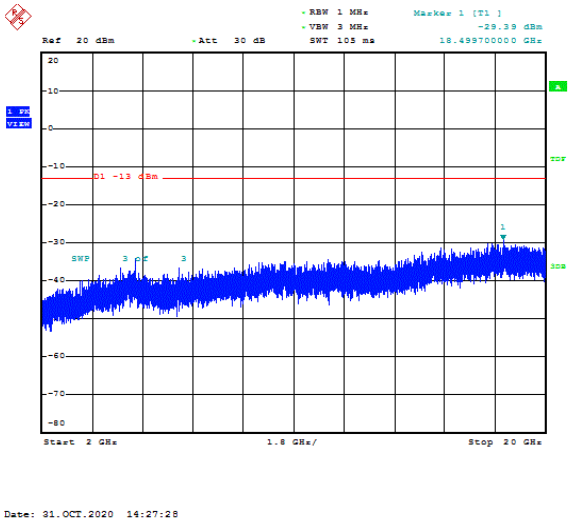
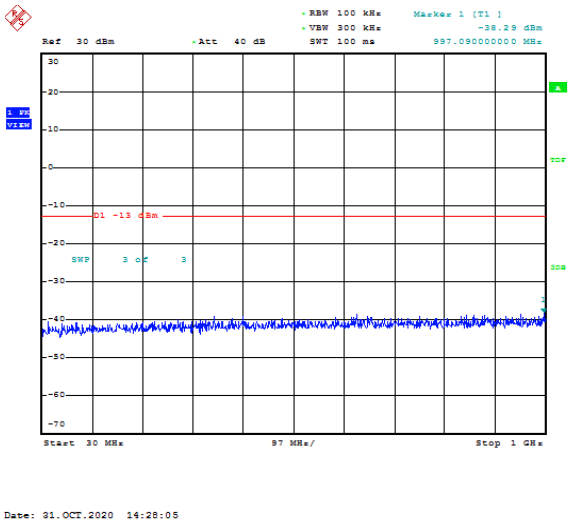
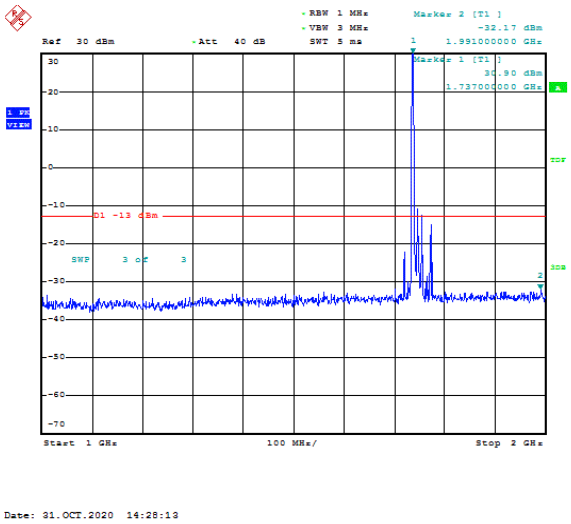
Band4-20MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



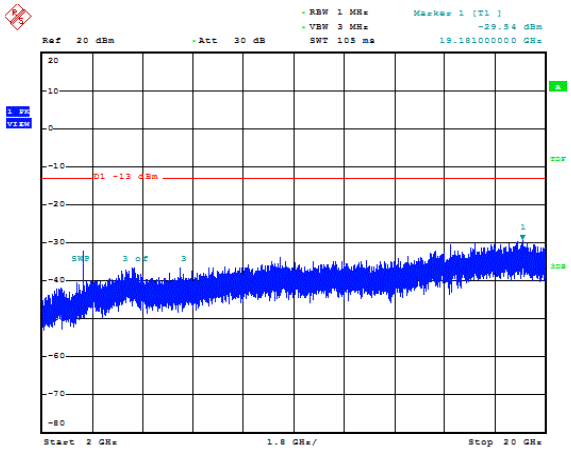
Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



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



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



Date: 31.OCT.2020 14:28:21

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	4.84	0.002829	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	2.52	0.001473	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	4.96	0.002899	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-2.37	-0.001368	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-3.08	-0.001778	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	2.68	0.001547	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-4.48	-0.002554	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-5.34	-0.003044	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-6.21	-0.003540	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	2.17	0.001268	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	2.43	0.001420	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-2.69	-0.001572	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-4.43	-0.002557	±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	3.93	0.002268	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-5.41	-0.003084	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-5.44	-0.003101	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-5.08	-0.002896	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	-2.55	-0.001490	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	-2.32	-0.001356	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	2.06	0.001204	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-3.42	-0.001974	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	2.95	0.001703	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	2.23	0.001287	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	-3.00	-0.001711	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	1.49	0.000850	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	1.87	0.001066	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	-3.79	-0.002214	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	1.93	0.001128	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	-2.25	-0.001315	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	-2.93	-0.001691	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-2.55	-0.001472	±2.5	PASS

Band4	3MHz	16QAM	20175	15RB#0	VH	NT	-3.59	-0.002072	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VL	NT	3.93	0.002241	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VN	NT	3.96	0.002258	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VH	NT	2.15	0.001226	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	3.48	0.002032	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	5.12	0.002990	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	4.58	0.002674	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	3.25	0.001876	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-3.32	-0.001916	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	2.17	0.001253	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-3.69	-0.002106	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-2.36	-0.001347	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-6.29	-0.003589	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	2.13	0.001244	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	-2.60	-0.001518	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	2.93	0.001711	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	-3.16	-0.001824	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	2.70	0.001558	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	-2.49	-0.001437	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-4.71	-0.002688	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-5.04	-0.002876	±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	-5.94	-0.003464	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-4.22	-0.002461	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-4.99	-0.002910	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	-2.32	-0.001339	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	3.43	0.001980	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-2.33	-0.001345	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	4.25	0.002429	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	2.82	0.001611	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	-3.32	-0.001897	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	-4.69	-0.002735	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-6.92	-0.004035	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-4.56	-0.002659	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	-2.65	-0.001530	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	2.43	0.001403	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	2.68	0.001547	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	3.20	0.001829	±2.5	PASS

Band4	10MHz	16QAM	20350	50RB#0	VN	NT	2.82	0.001611	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	1.43	0.000817	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-2.27	-0.001322	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	2.88	0.001677	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	-1.72	-0.001001	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	2.25	0.001299	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	2.73	0.001576	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	-2.86	-0.001651	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	2.22	0.001270	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	-2.93	-0.001677	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	-2.89	-0.001654	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	-6.42	-0.003738	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	2.98	0.001735	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VH	NT	3.36	0.001956	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	2.93	0.001691	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	-2.85	-0.001645	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	4.03	0.002326	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	3.03	0.001734	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	-4.62	-0.002644	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	-2.53	-0.001448	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	4.52	0.002628	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	2.98	0.001733	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	5.18	0.003012	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	3.65	0.002107	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-2.22	-0.001281	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	2.99	0.001726	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-3.69	-0.002115	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-5.16	-0.002957	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-5.32	-0.003049	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	3.39	0.001971	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	2.98	0.001733	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	3.19	0.001855	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-3.65	-0.002107	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-2.23	-0.001287	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	3.68	0.002124	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-4.02	-0.002304	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-4.32	-0.002476	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.66	-0.002670	±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	4.02	0.002350	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	3.82	0.002233	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	3.50	0.002046	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-3.19	-0.001865	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	30	3.26	0.001906	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	40	-2.90	-0.001695	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	50	-2.12	-0.001239	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	2.85	0.001645	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	2.17	0.001253	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-2.30	-0.001328	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	1.76	0.001016	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	2.43	0.001403	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	4.19	0.002418	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	4.25	0.002453	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-10	-3.88	-0.002212	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-3.06	-0.001744	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-5.62	-0.003204	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-5.85	-0.003335	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	30	-5.28	-0.003010	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	40	-6.32	-0.003603	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	50	-3.55	-0.002024	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-10	4.89	0.002858	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	2.92	0.001707	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	3.78	0.002210	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	2.89	0.001689	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	30	3.93	0.002297	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	40	3.89	0.002274	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	50	-4.42	-0.002584	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-10	-2.72	-0.001570	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	-2.59	-0.001495	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-1.77	-0.001022	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-1.95	-0.001126	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	30	-2.89	-0.001668	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	40	2.05	0.001183	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	50	-4.76	-0.002747	±2.5	PASS

Band4	1.4MHz	16QAM	20393	6RB#0	NV	-10	-4.38	-0.002497	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-3.56	-0.002029	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-2.27	-0.001294	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-4.51	-0.002571	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	30	-5.11	-0.002913	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	40	-3.71	-0.002115	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	50	-5.68	-0.003238	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-10	-2.26	-0.001320	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	2.55	0.001490	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-2.05	-0.001198	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	2.49	0.001455	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	30	-2.15	-0.001256	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	40	3.12	0.001823	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	50	-2.99	-0.001747	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	-3.15	-0.001818	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	2.73	0.001576	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	3.29	0.001899	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-2.53	-0.001460	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	4.35	0.002511	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	-3.06	-0.001766	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	3.93	0.002268	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-10	-2.98	-0.001699	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	2.05	0.001169	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	-1.69	-0.000964	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-2.12	-0.001209	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	30	-3.33	-0.001899	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	40	2.06	0.001175	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	50	4.09	0.002332	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-10	3.59	0.002098	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	2.13	0.001245	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-2.26	-0.001320	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-2.85	-0.001665	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	30	2.05	0.001198	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	40	3.85	0.002249	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	50	3.55	0.002074	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-10	2.80	0.001616	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	2.68	0.001547	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	-3.45	-0.001991	±2.5	PASS

Band4	3MHz	16QAM	20175	15RB#0	NV	20	3.53	0.002038	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	30	2.29	0.001322	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	40	-2.12	-0.001224	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	50	3.52	0.002032	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-10	-2.52	-0.001437	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	3.19	0.001819	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	-2.06	-0.001175	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	2.15	0.001226	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	30	-2.78	-0.001585	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	40	2.19	0.001249	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	50	-2.59	-0.001477	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-10	3.76	0.002196	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	2.96	0.001728	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	4.05	0.002365	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	4.22	0.002464	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	30	2.79	0.001629	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	40	4.09	0.002388	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	50	4.23	0.002470	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	-2.09	-0.001206	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-1.89	-0.001091	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	3.62	0.002089	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-3.39	-0.001957	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	-2.96	-0.001709	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-2.22	-0.001281	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	2.20	0.001270	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-10	-4.86	-0.002773	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-5.31	-0.003030	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-4.43	-0.002528	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-3.95	-0.002254	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	30	-5.87	-0.003350	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	40	-5.49	-0.003133	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	50	-4.94	-0.002819	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-10	3.96	0.002312	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	3.12	0.001822	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	4.88	0.002850	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	5.89	0.003439	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	30	5.36	0.003130	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	40	2.19	0.001279	±2.5	PASS

Band4	5MHz	16QAM	19975	25RB#0	NV	50	4.52	0.002639	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-10	2.47	0.001426	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	3.45	0.001991	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	3.18	0.001835	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	2.86	0.001651	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	30	-2.50	-0.001443	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	40	2.69	0.001553	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	50	2.60	0.001501	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-10	-3.99	-0.002277	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	-3.88	-0.002214	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	-4.94	-0.002819	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-3.56	-0.002031	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	30	-5.74	-0.003275	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	40	-2.73	-0.001558	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	50	2.37	0.001352	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	-4.56	-0.002659	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-3.60	-0.002099	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-6.07	-0.003539	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-4.53	-0.002641	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-3.81	-0.002222	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	-5.82	-0.003394	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	-5.45	-0.003178	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	1.73	0.000999	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	2.09	0.001206	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	6.15	0.003550	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-3.46	-0.001997	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	-1.42	-0.000820	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	4.08	0.002355	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-1.99	-0.001149	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	3.23	0.001846	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	3.60	0.002057	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	2.09	0.001194	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	4.76	0.002720	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	2.93	0.001674	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	40	2.40	0.001371	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	50	3.95	0.002257	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-10	-4.78	-0.002787	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-2.68	-0.001563	±2.5	PASS

Band4	10MHz	16QAM	20000	50RB#0	NV	10	-4.36	-0.002542	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-4.22	-0.002461	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	30	-2.95	-0.001720	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	40	-3.28	-0.001913	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	50	-4.19	-0.002443	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-10	-1.80	-0.001039	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	2.62	0.001512	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	2.66	0.001535	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	2.69	0.001553	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	30	2.93	0.001691	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	40	-2.92	-0.001685	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	50	-2.36	-0.001362	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-10	4.05	0.002314	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	1.92	0.001097	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	3.71	0.002120	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	3.73	0.002131	±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	4.23	0.002417	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	50	3.16	0.001806	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-10	4.32	0.002515	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	-3.65	-0.002125	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	-4.91	-0.002859	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-1.79	-0.001042	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	-4.58	-0.002667	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	-3.30	-0.001921	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	3.89	0.002265	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	-4.46	-0.002574	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-2.73	-0.001576	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	1.79	0.001033	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-3.10	-0.001789	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	4.01	0.002315	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-2.40	-0.001385	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-2.37	-0.001368	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-10	2.92	0.001671	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	2.53	0.001448	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-2.78	-0.001591	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-2.12	-0.001213	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	5.54	0.003170	±2.5	PASS

Band4	15MHz	QPSK	20325	75RB#0	NV	40	3.96	0.002266	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	-3.23	-0.001848	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-10	2.68	0.001560	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	-2.20	-0.001281	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	-3.25	-0.001892	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	-2.23	-0.001298	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	30	2.40	0.001397	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	40	4.03	0.002346	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	50	3.38	0.001968	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-10	-2.20	-0.001270	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	3.95	0.002280	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	-1.77	-0.001022	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	4.08	0.002355	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	30	-2.78	-0.001605	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	40	2.40	0.001385	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	50	2.10	0.001212	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-10	2.62	0.001499	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	-2.72	-0.001557	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	3.88	0.002220	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	-2.90	-0.001660	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	30	2.82	0.001614	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	40	2.19	0.001253	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	50	2.17	0.001242	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	-2.30	-0.001337	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	4.08	0.002372	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	5.48	0.003186	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	4.68	0.002721	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	2.93	0.001703	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	2.99	0.001738	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-1.95	-0.001134	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	3.62	0.002089	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	3.85	0.002222	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-1.97	-0.001137	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	2.27	0.001310	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	3.59	0.002072	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	3.52	0.002032	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.63	0.001518	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-4.41	-0.002527	±2.5	PASS

Band4	20MHz	QPSK	20300	100RB#0	NV	0	-5.72	-0.003278	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-7.58	-0.004344	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-7.30	-0.004183	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-5.65	-0.003238	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-2.75	-0.001576	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-5.49	-0.003146	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	3.52	0.002047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-3.43	-0.001994	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	2.66	0.001547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	4.41	0.002564	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	4.12	0.002395	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	2.73	0.001587	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.98	0.001733	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-1.83	-0.001056	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	3.40	0.001962	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-2.20	-0.001270	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-2.83	-0.001633	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	3.53	0.002038	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-1.87	-0.001079	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-1.99	-0.001149	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-5.16	-0.002957	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-5.66	-0.003244	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-6.12	-0.003507	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-3.02	-0.001731	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-6.52	-0.003736	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-5.25	-0.003009	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-6.07	-0.003479	±2.5	PASS

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