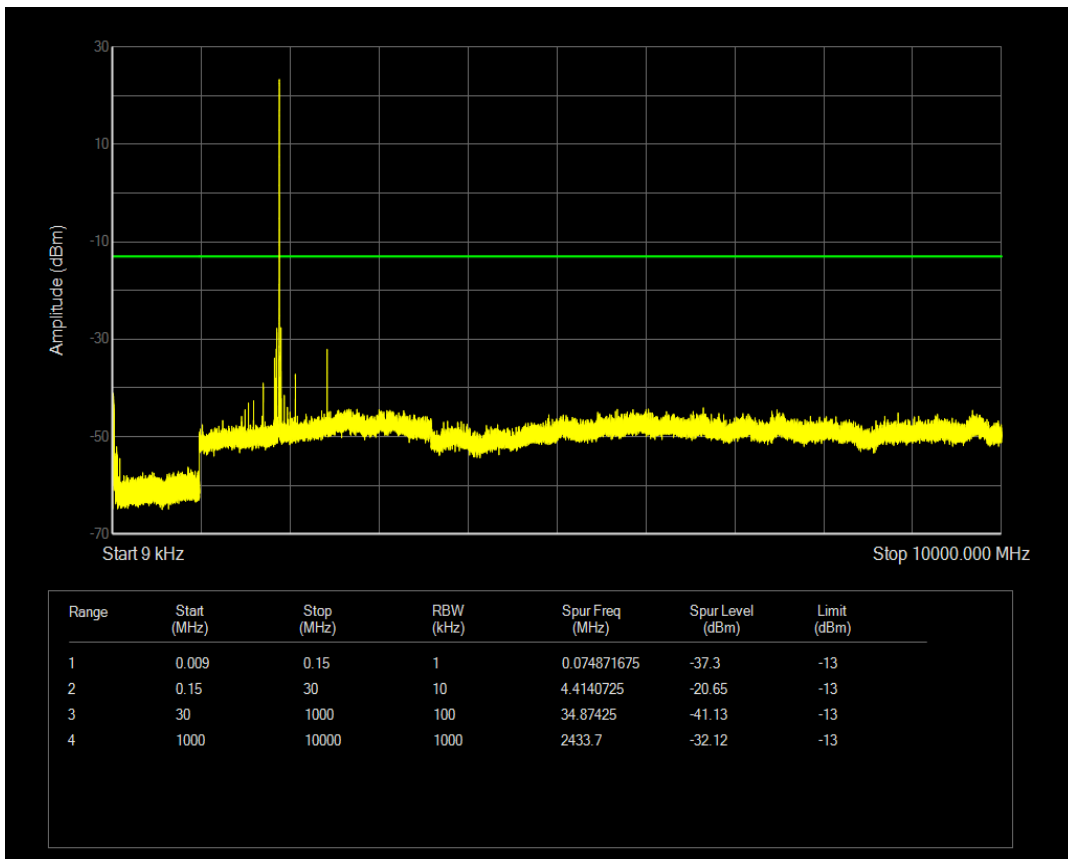
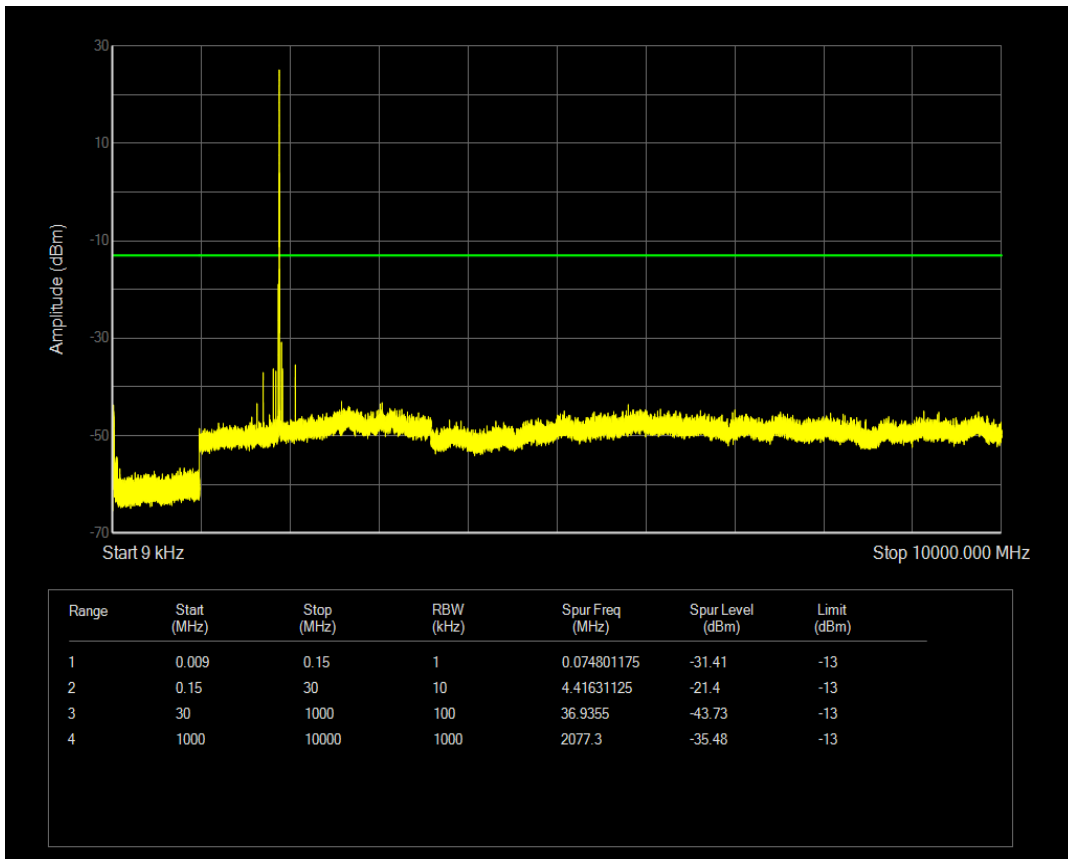


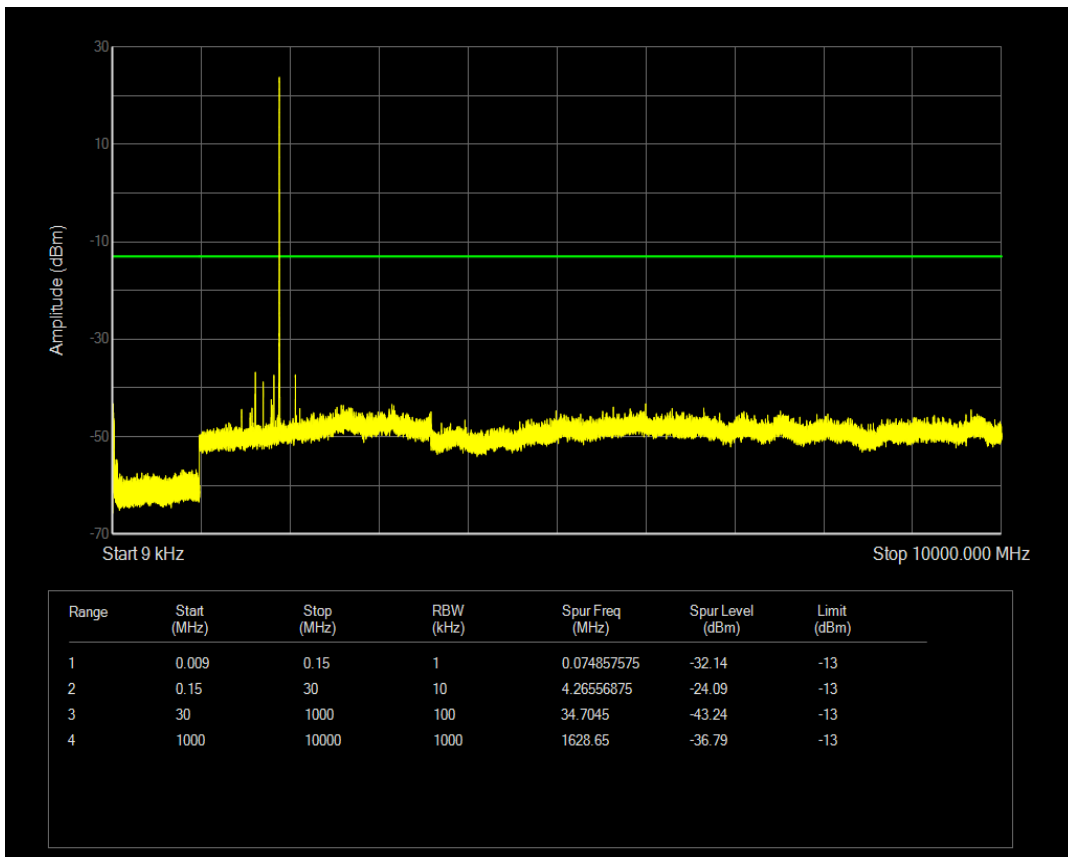
Band2 QPSK BW=15MHz Channel=19125 RB Size=6 Position=#0 NB Index=0



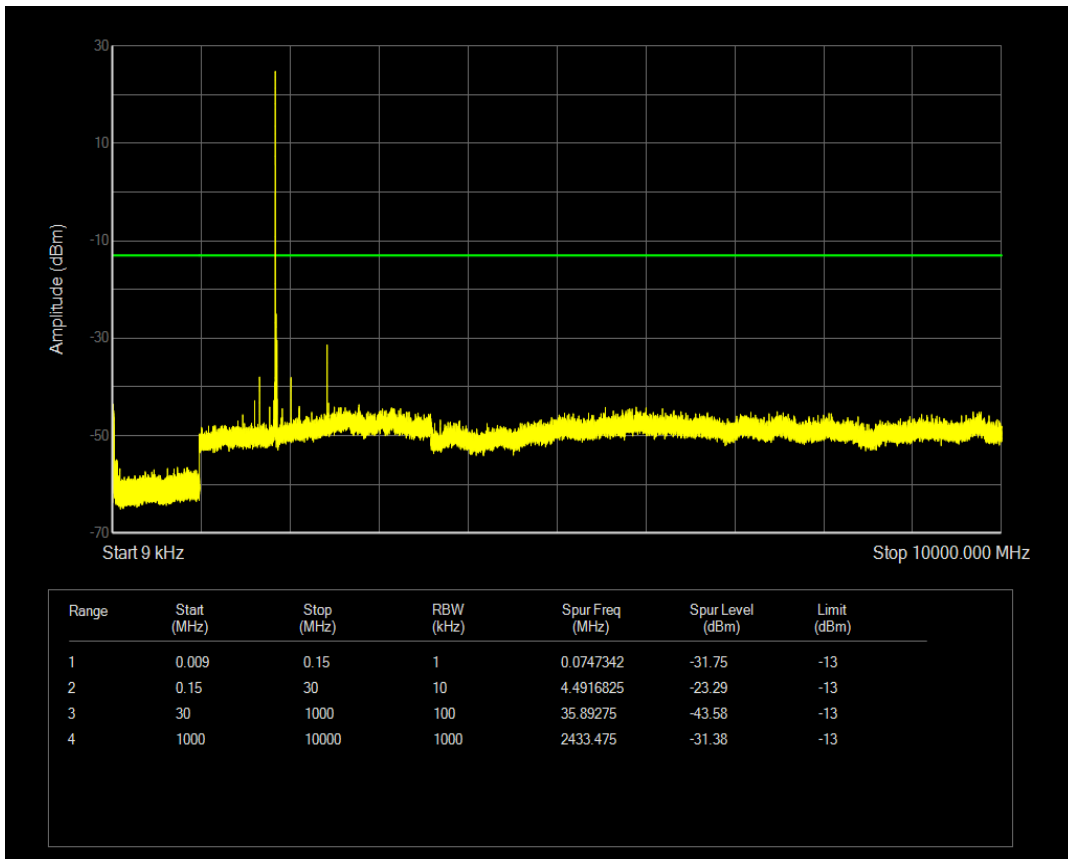
Band2 QAM16 BW=15MHz Channel=19125 RB Size=1 Position=#0 NB Index=0



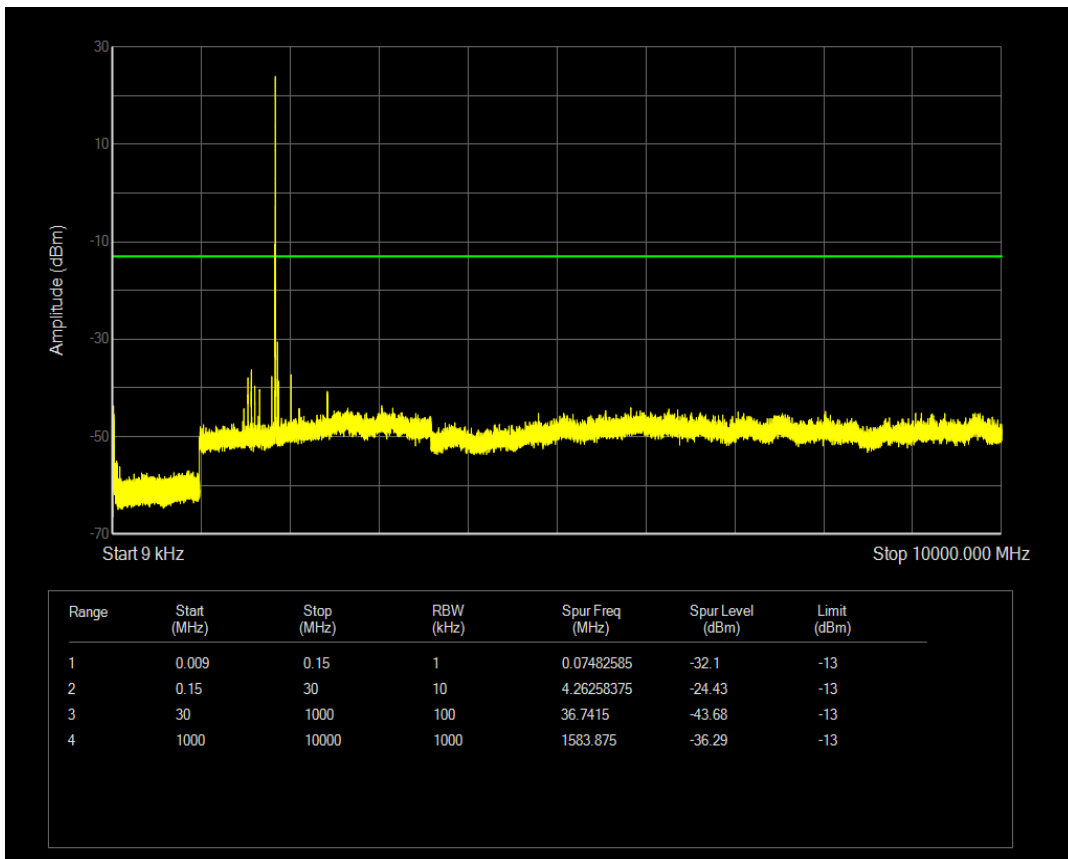
Band2 QAM16 BW=15MHz Channel=19125 RB Size=6 Position=#0 NB Index=0



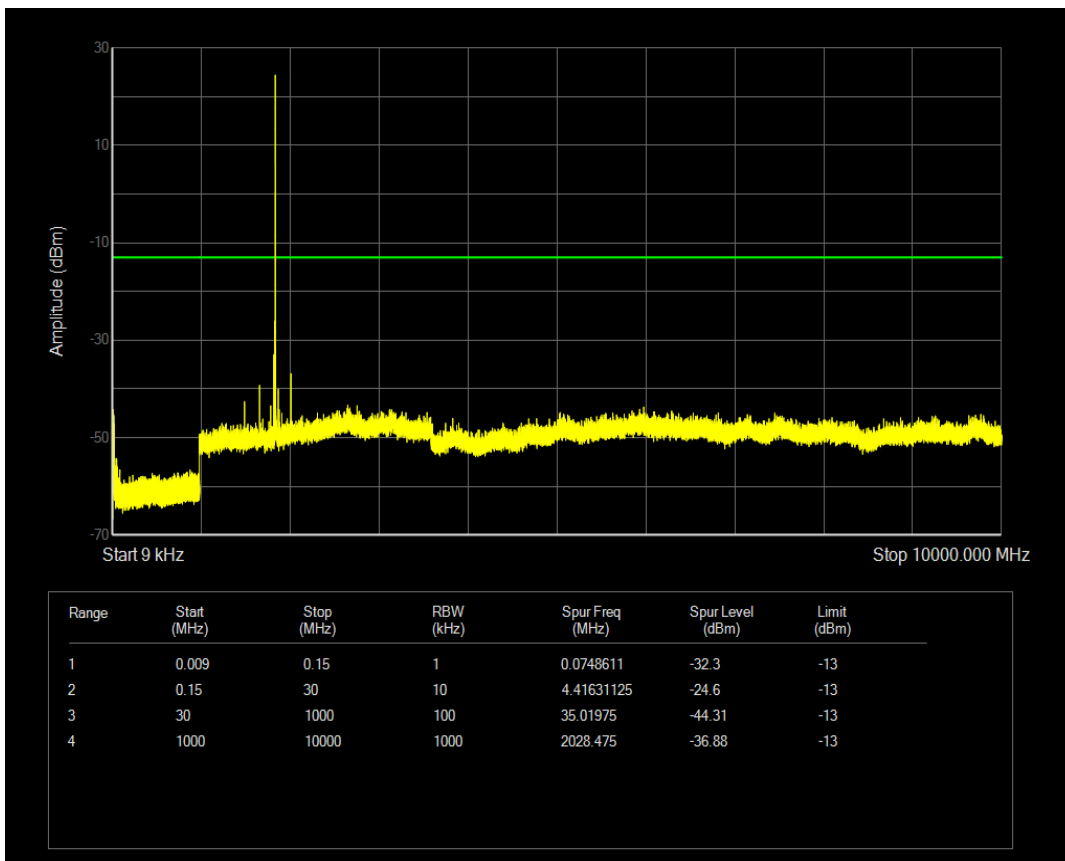
Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0 NB Index=0



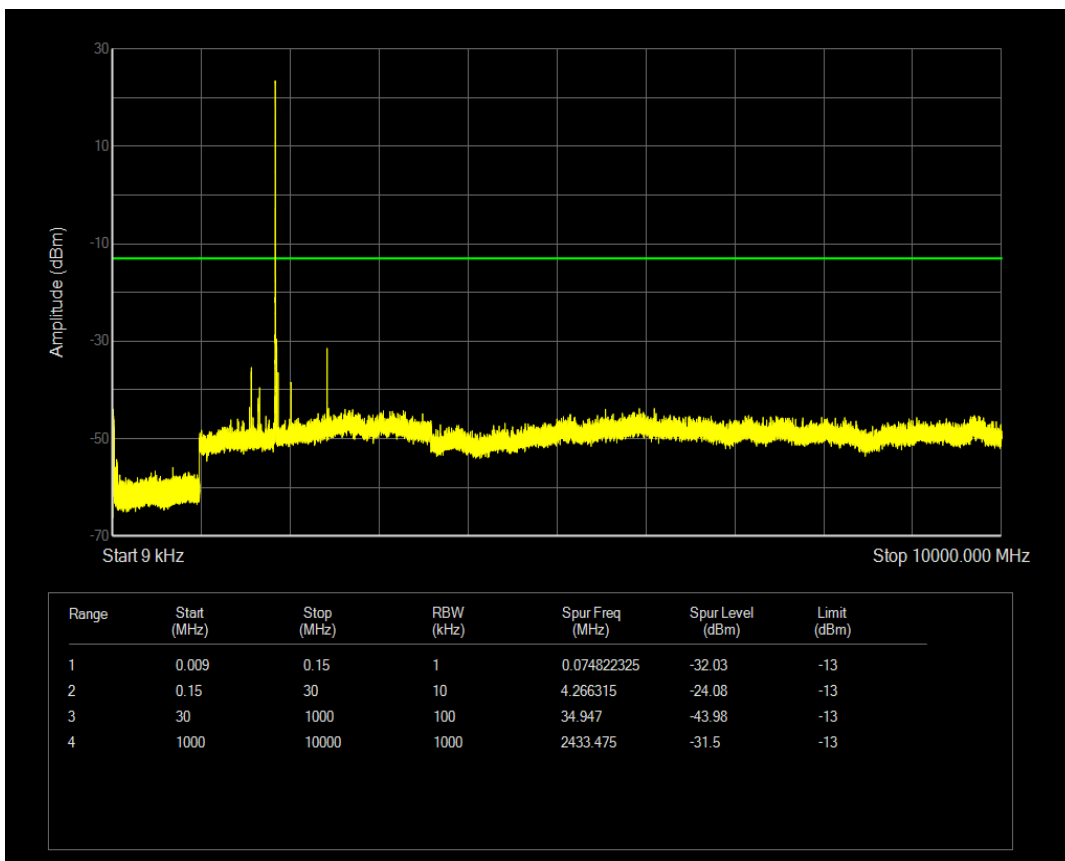
Band2 QPSK BW=20MHz Channel=18700 RB Size=6 Position=#0 NB Index=0



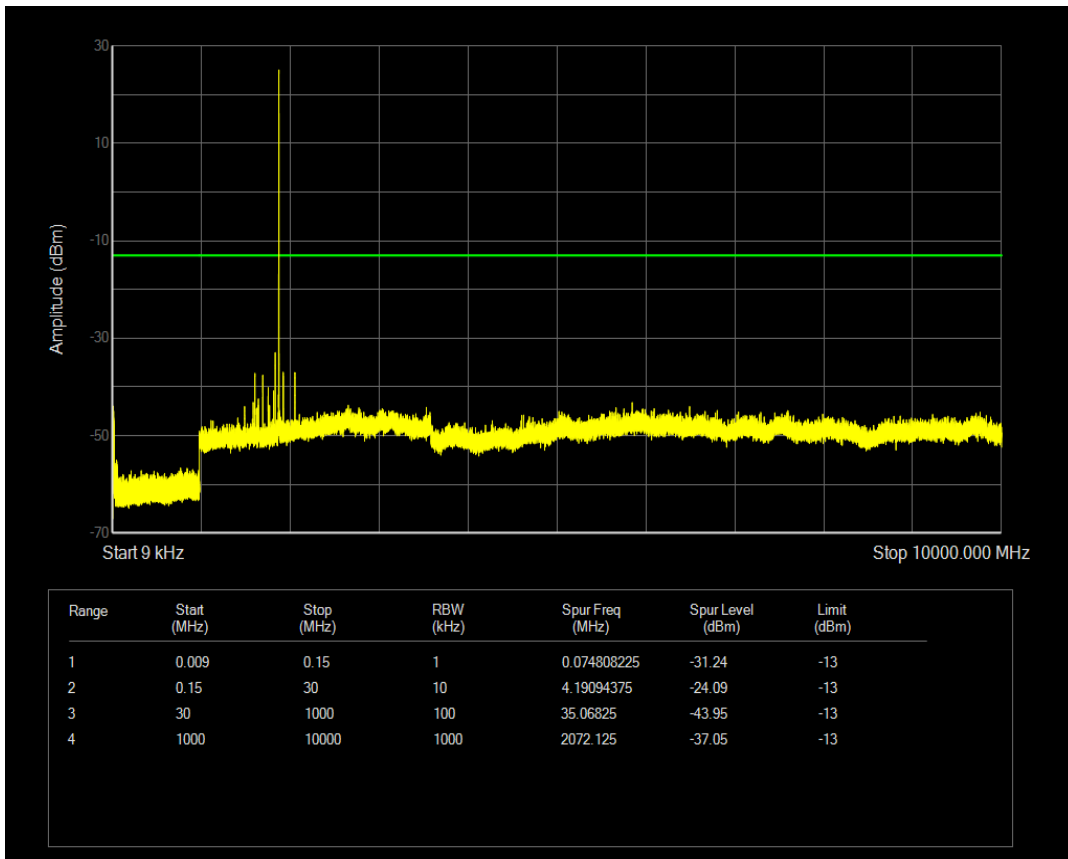
Band2 QAM16 BW=20MHz Channel=18700 RB Size=1 Position=#0 NB Index=0



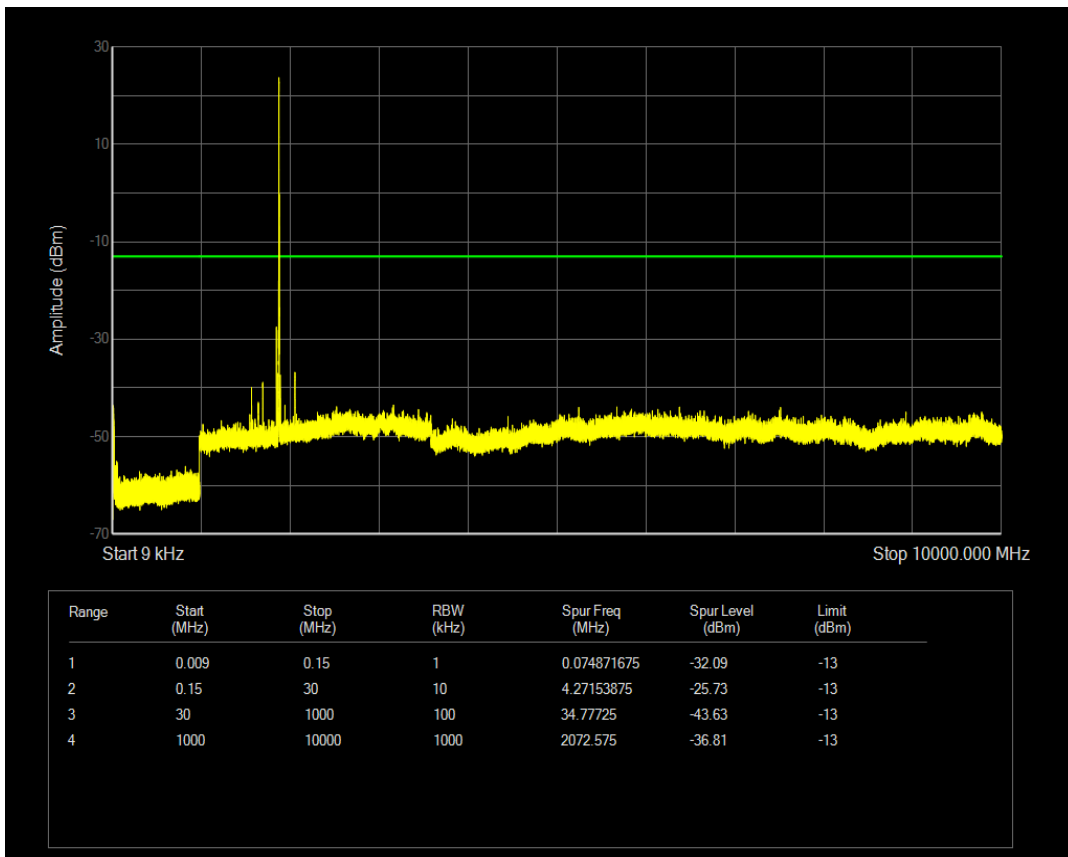
Band2 QAM16 BW=20MHz Channel=18700 RB Size=6 Position=#0 NB Index=0



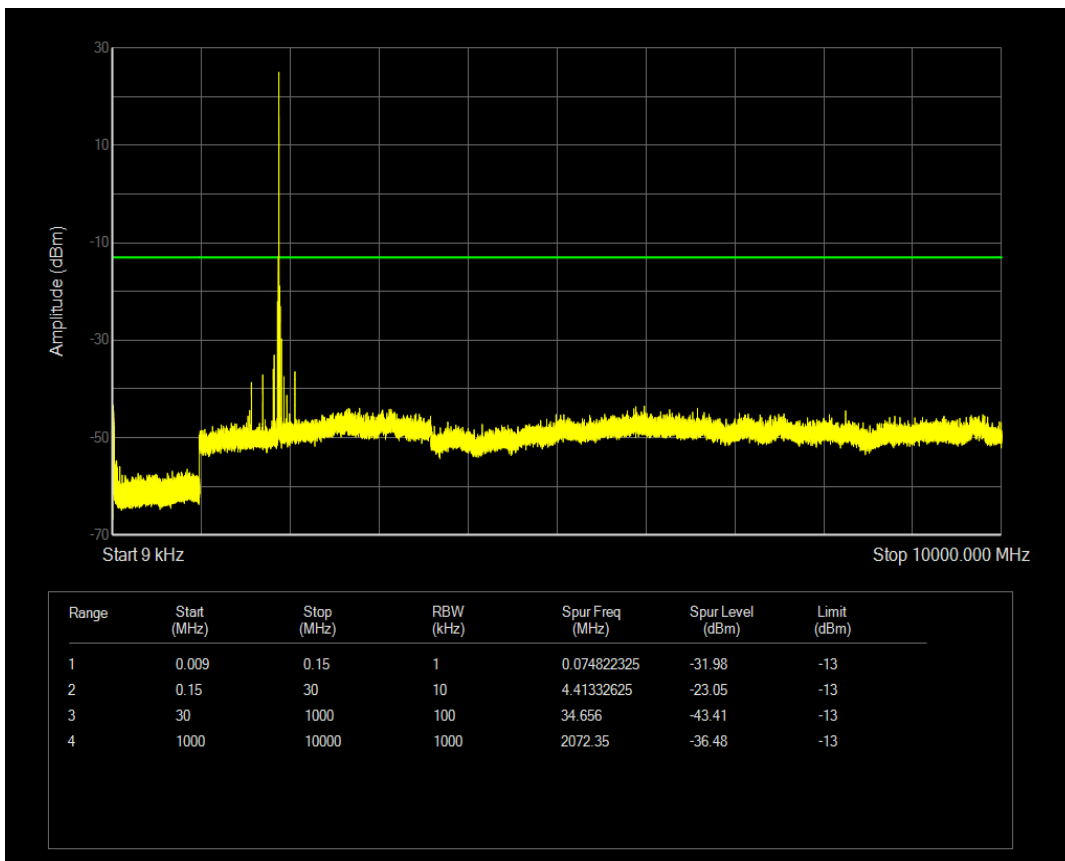
Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0 NB Index=0



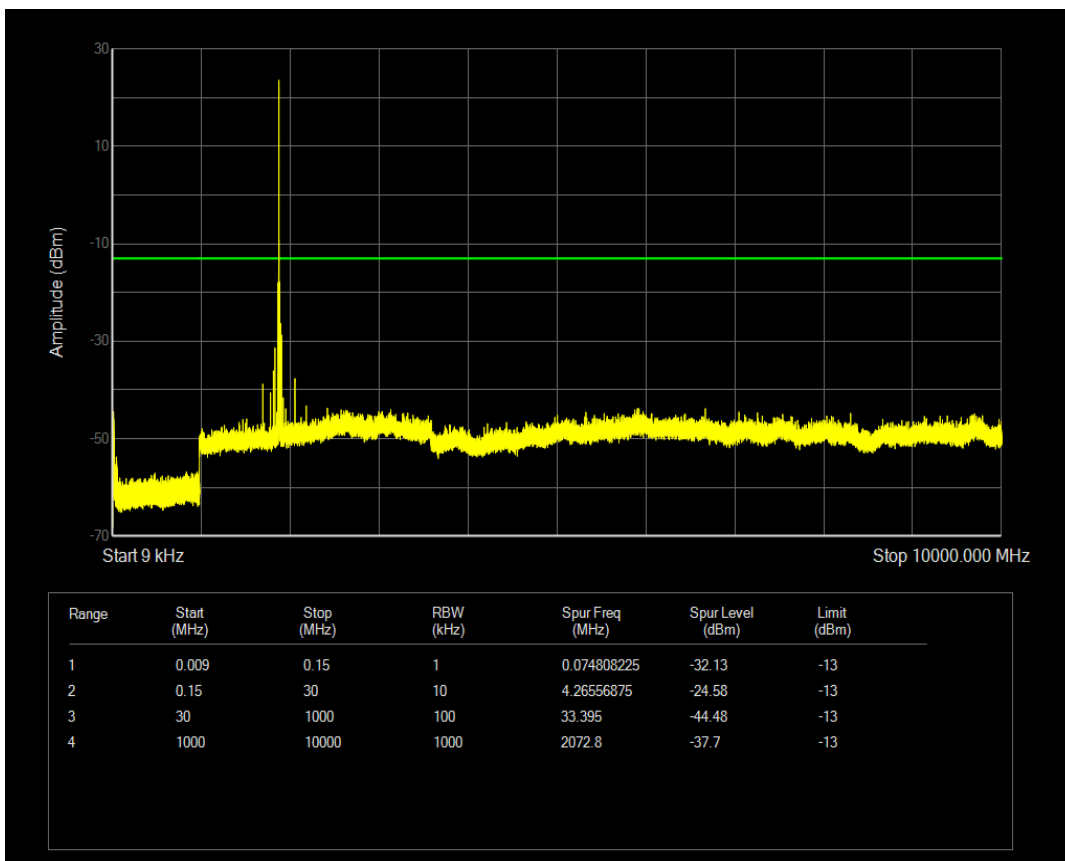
Band2 QPSK BW=20MHz Channel=19100 RB Size=6 Position=#0 NB Index=0



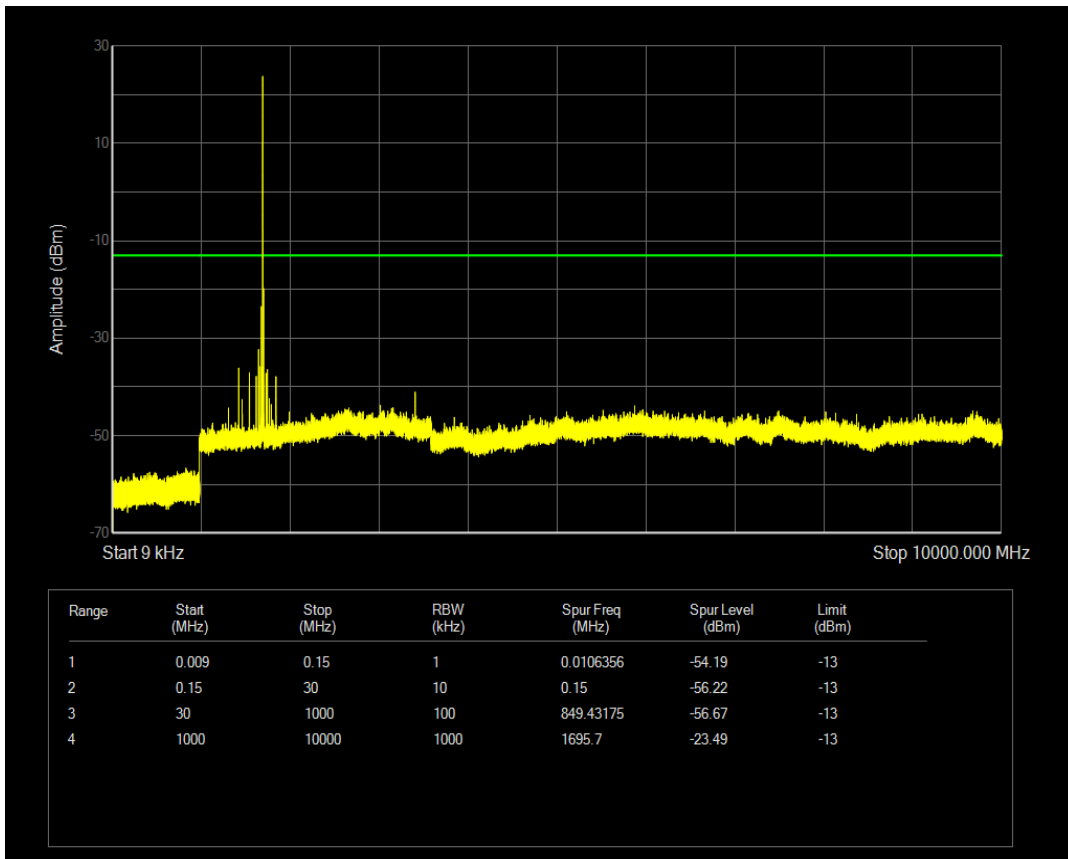
Band2 QAM16 BW=20MHz Channel=19100 RB Size=1 Position=#0 NB Index=0



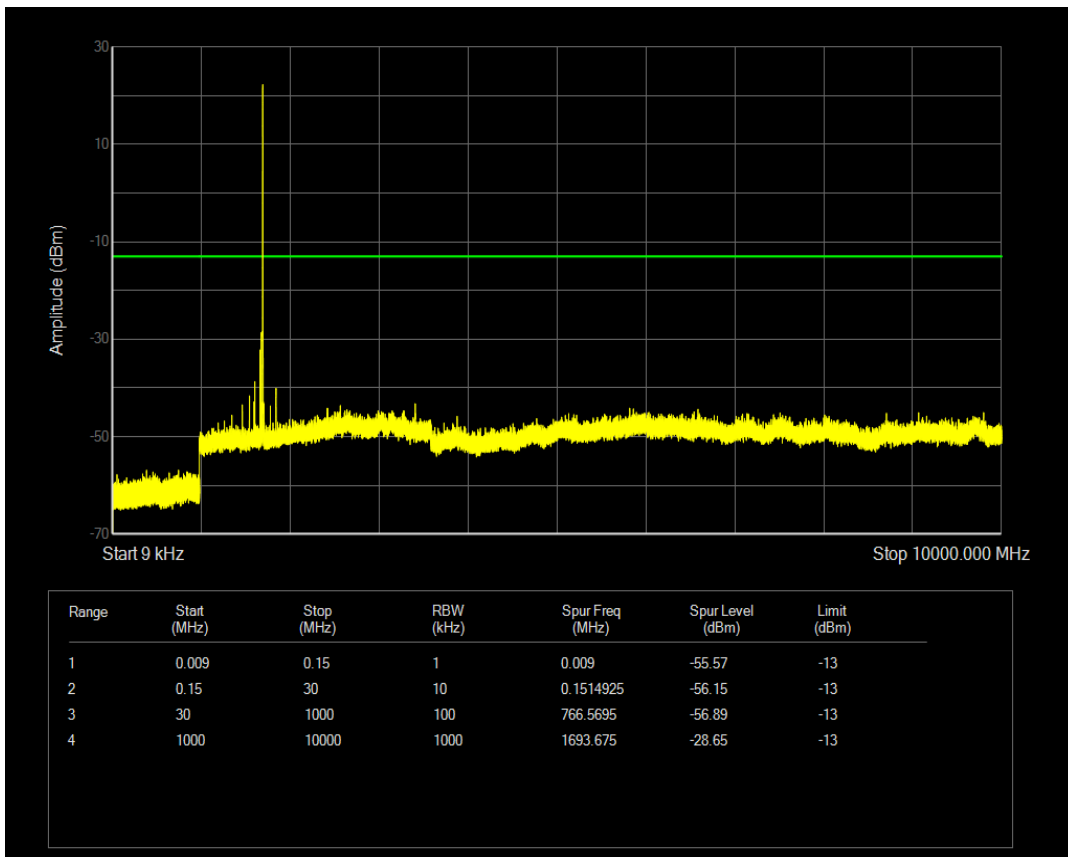
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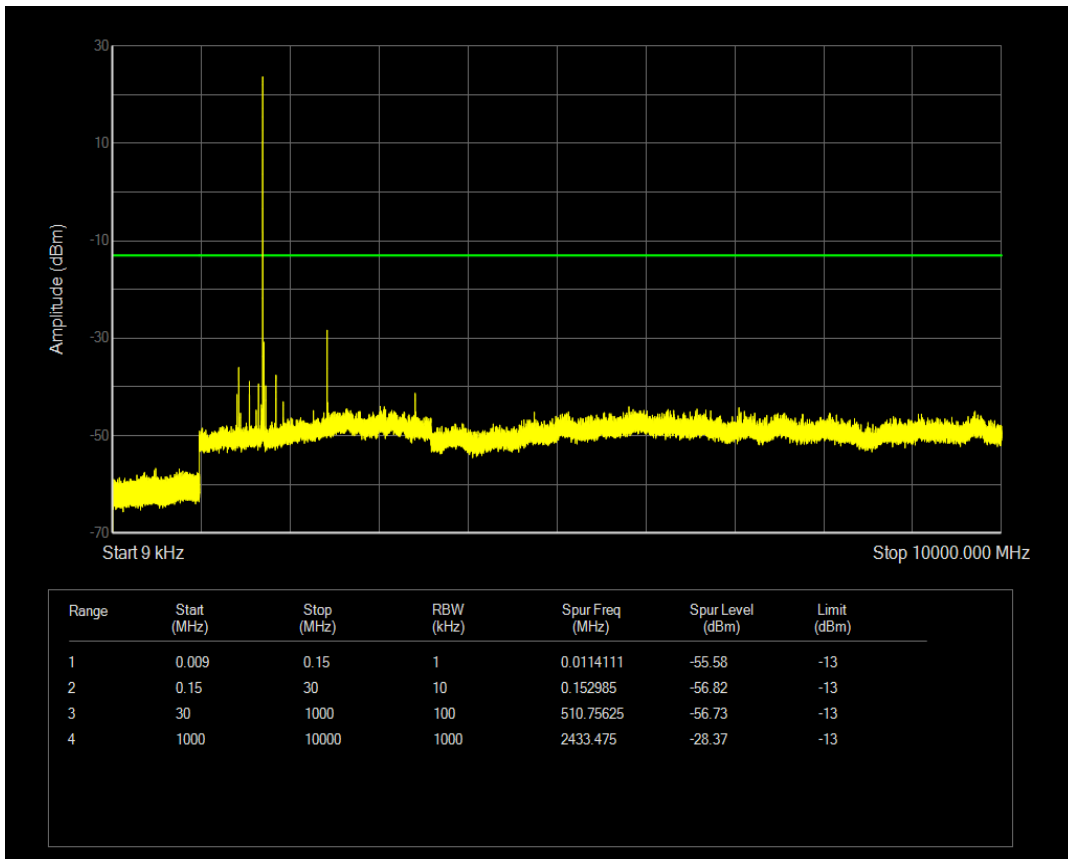
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NB Index=0



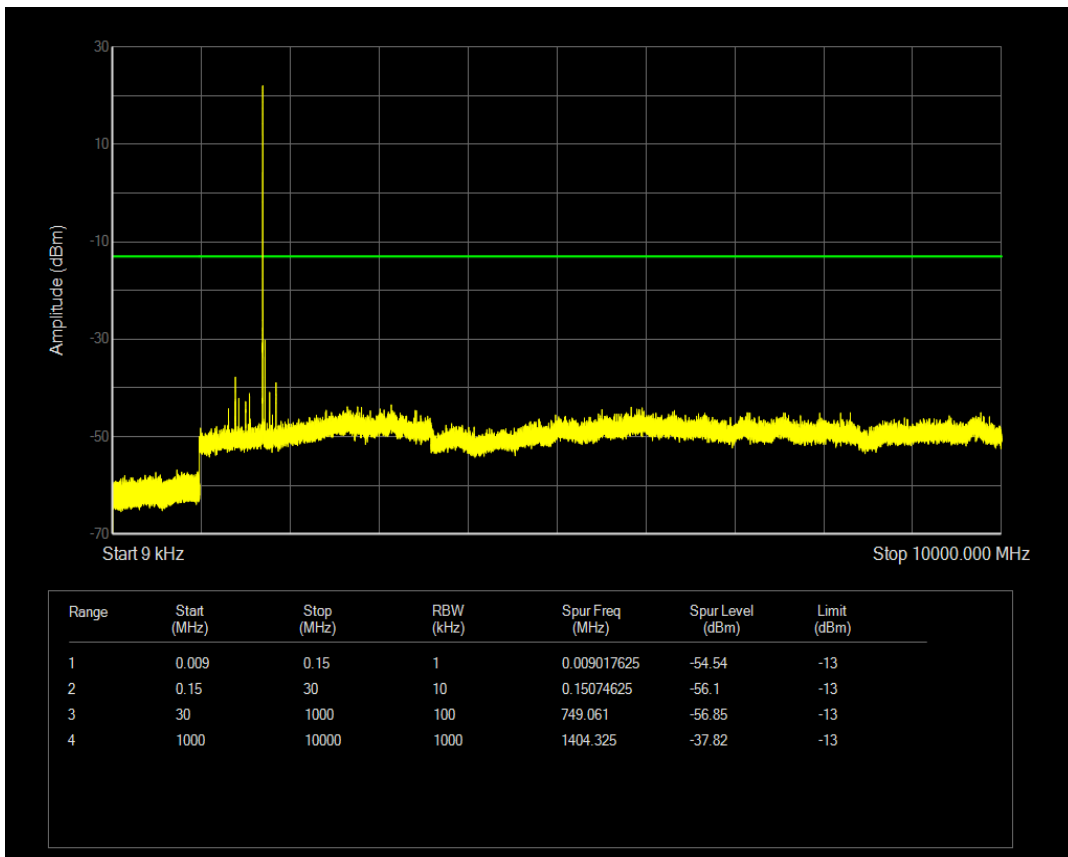
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NB Index=0



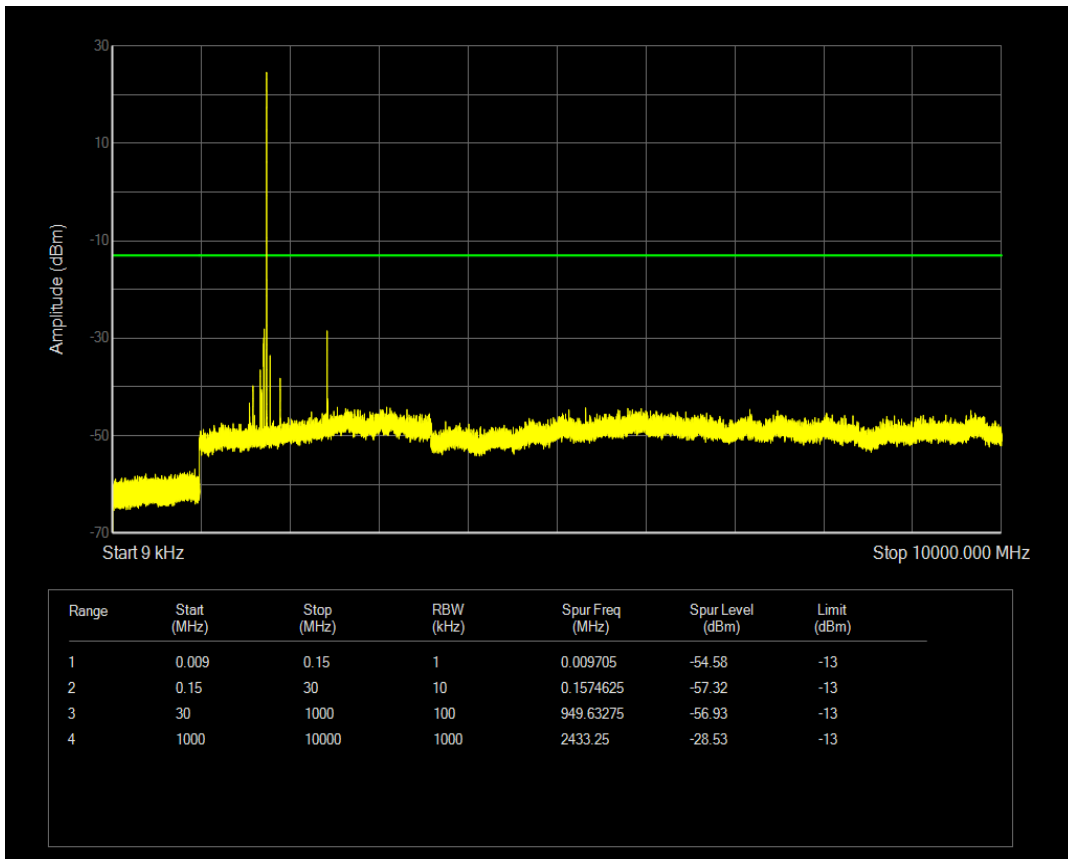
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NB Index=0



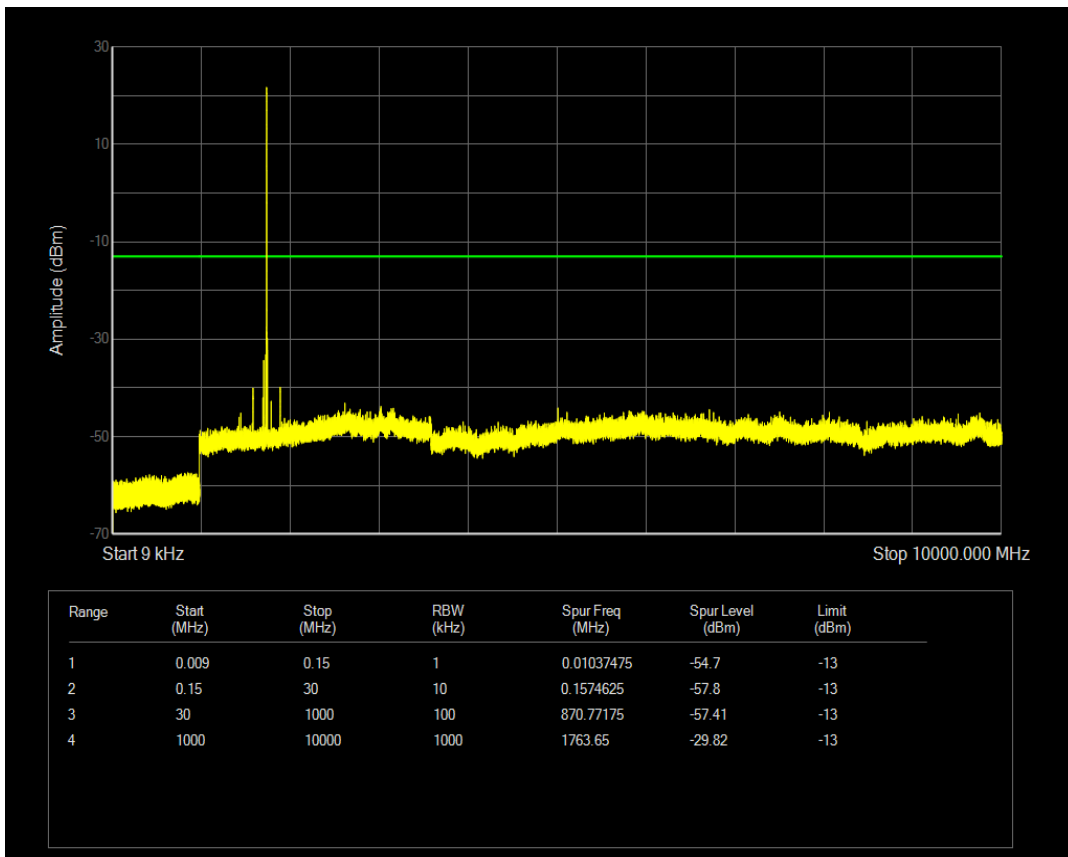
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NB Index=0



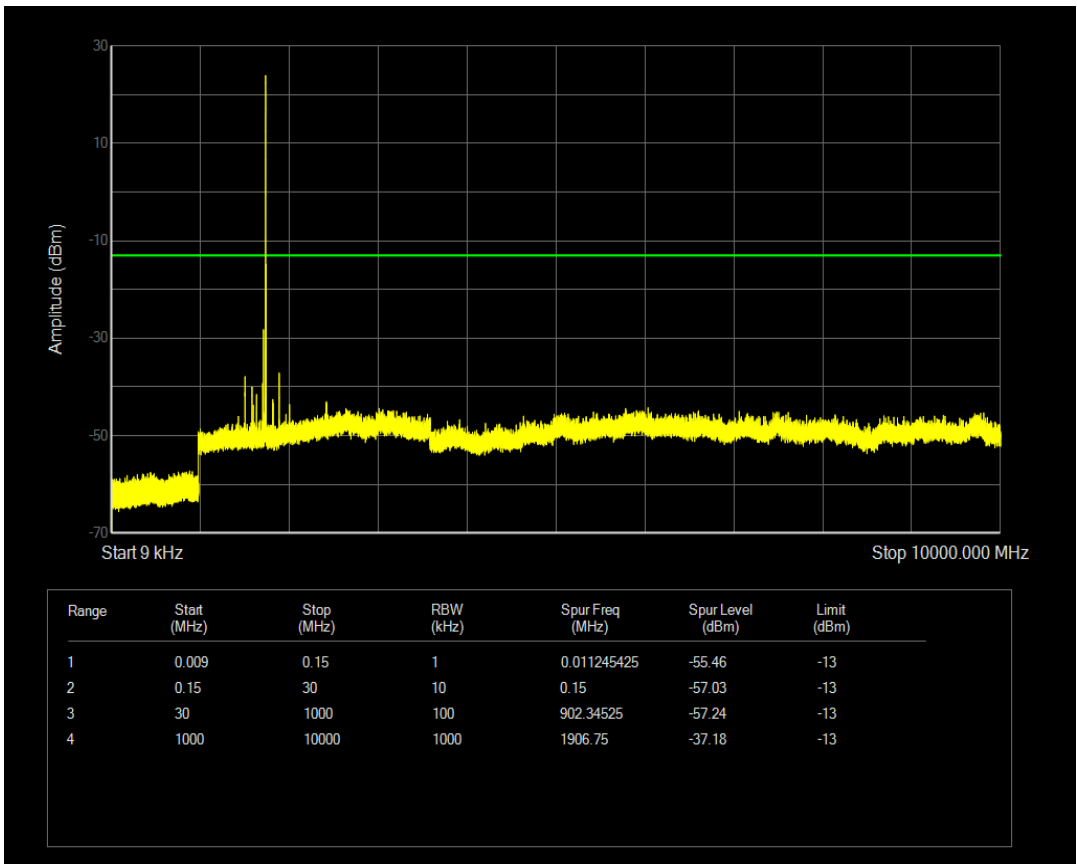
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NB Index=0



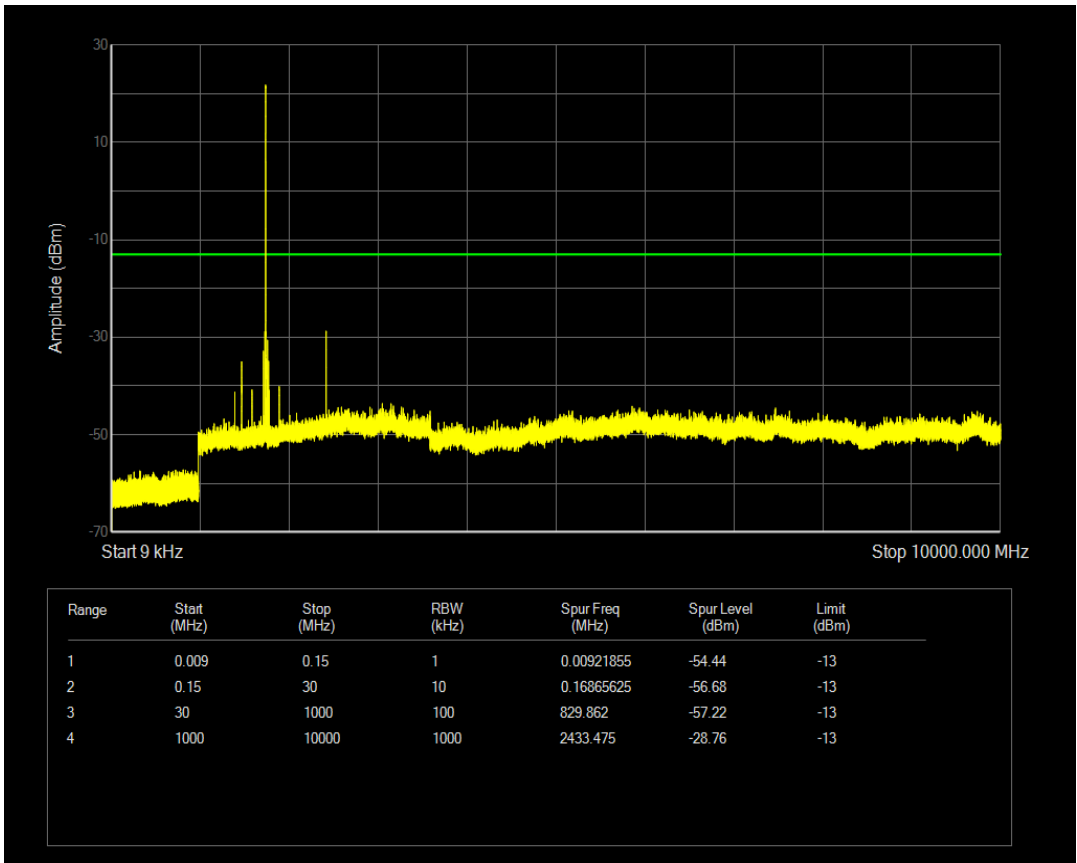
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NB Index=0



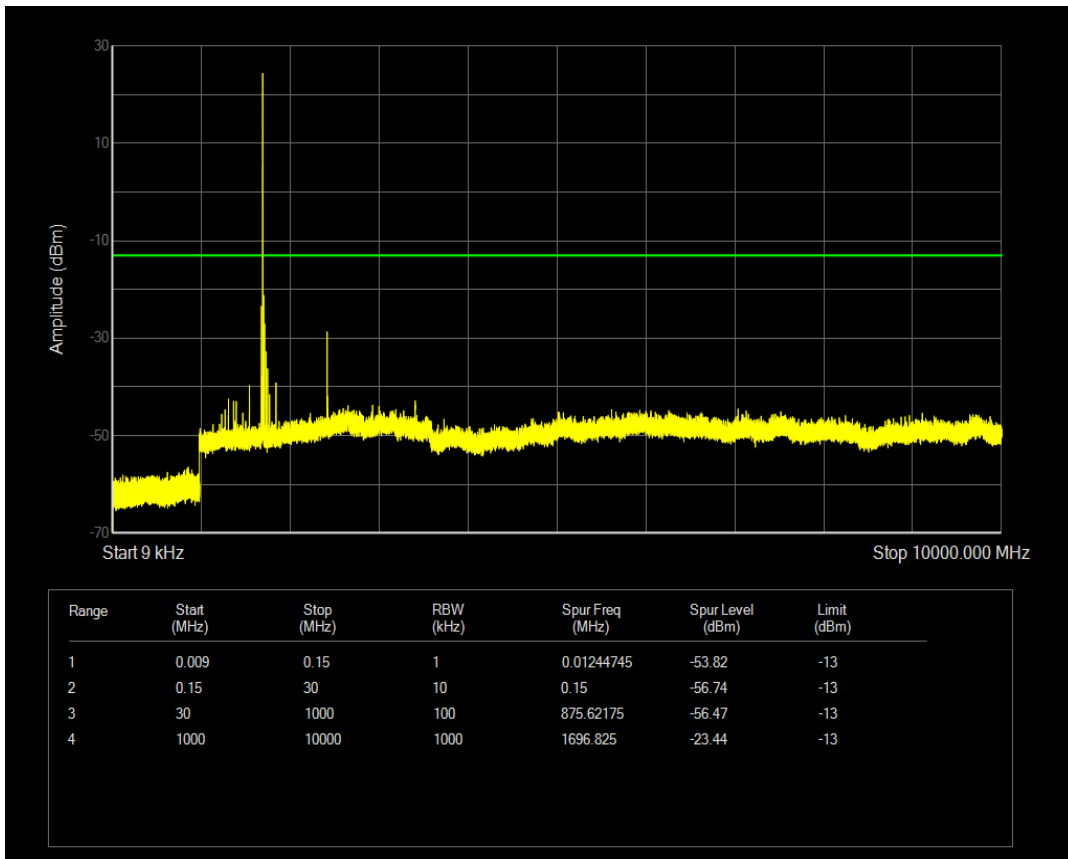
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NB Index=0



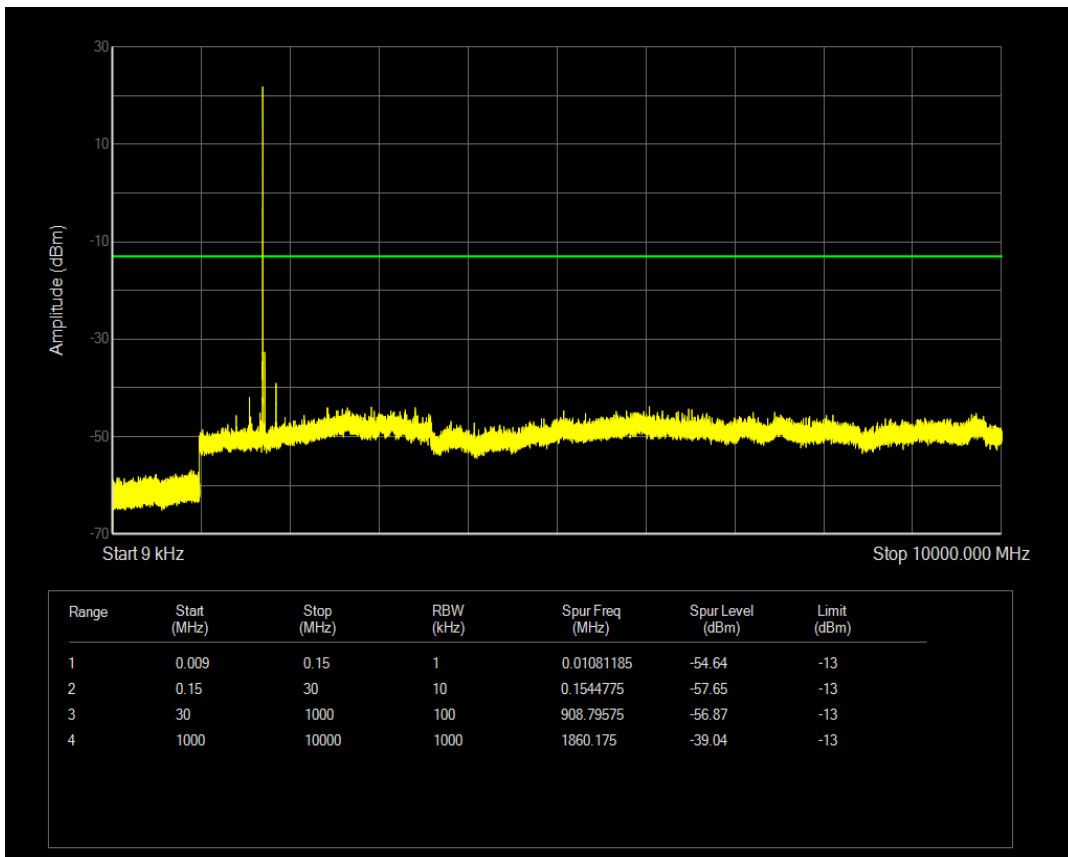
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NB Index=0



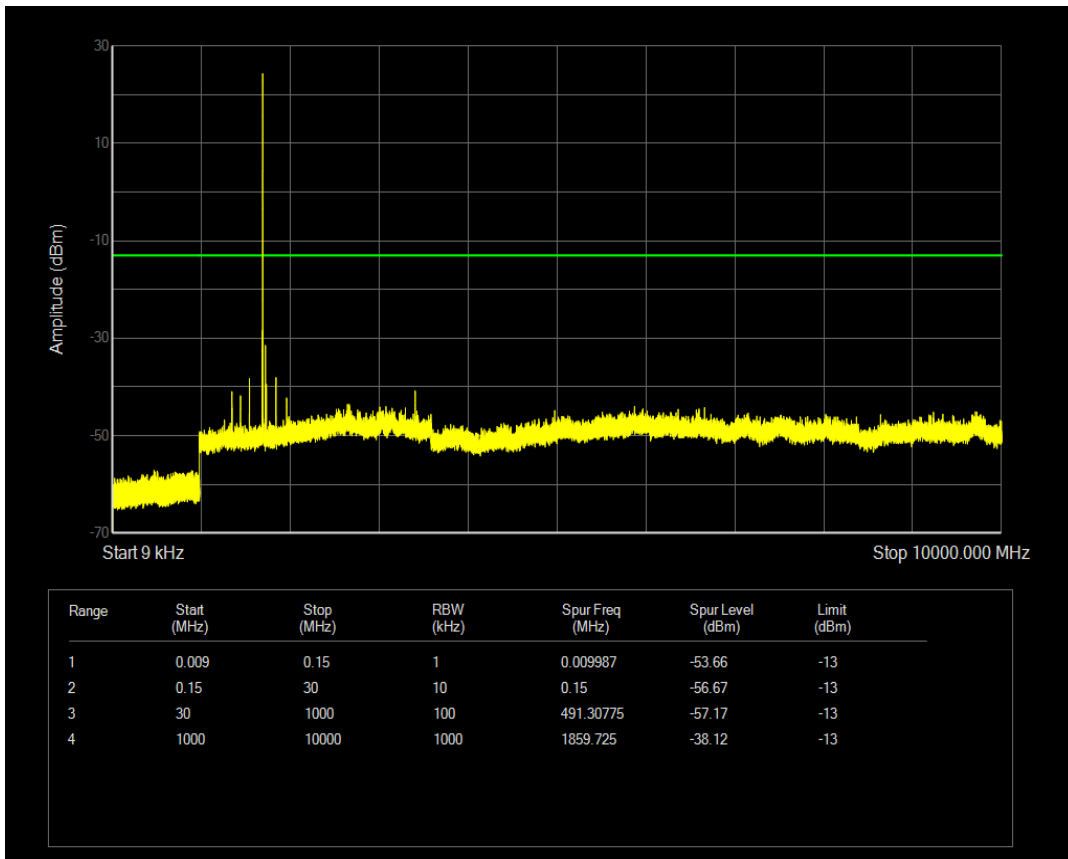
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NB Index=0



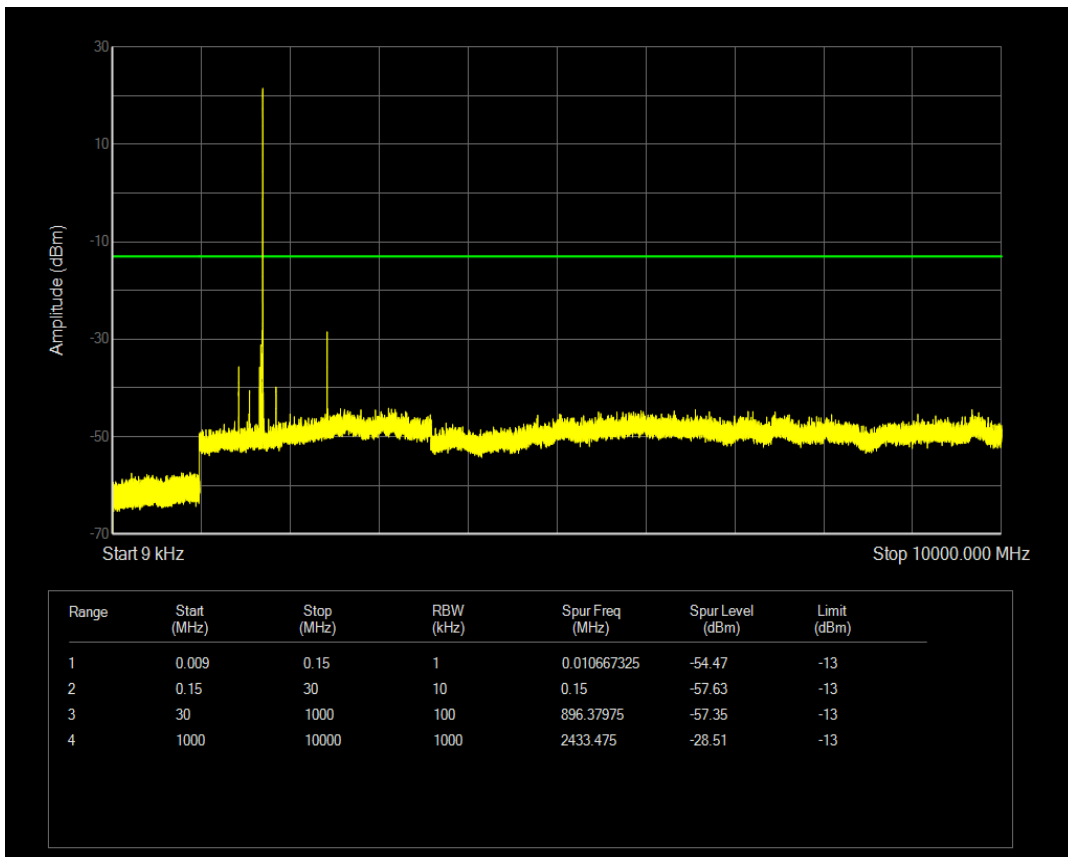
Band4 QPSK BW=3MHz Channel=19965 RB Size=6 Position=#0 NB Index=0



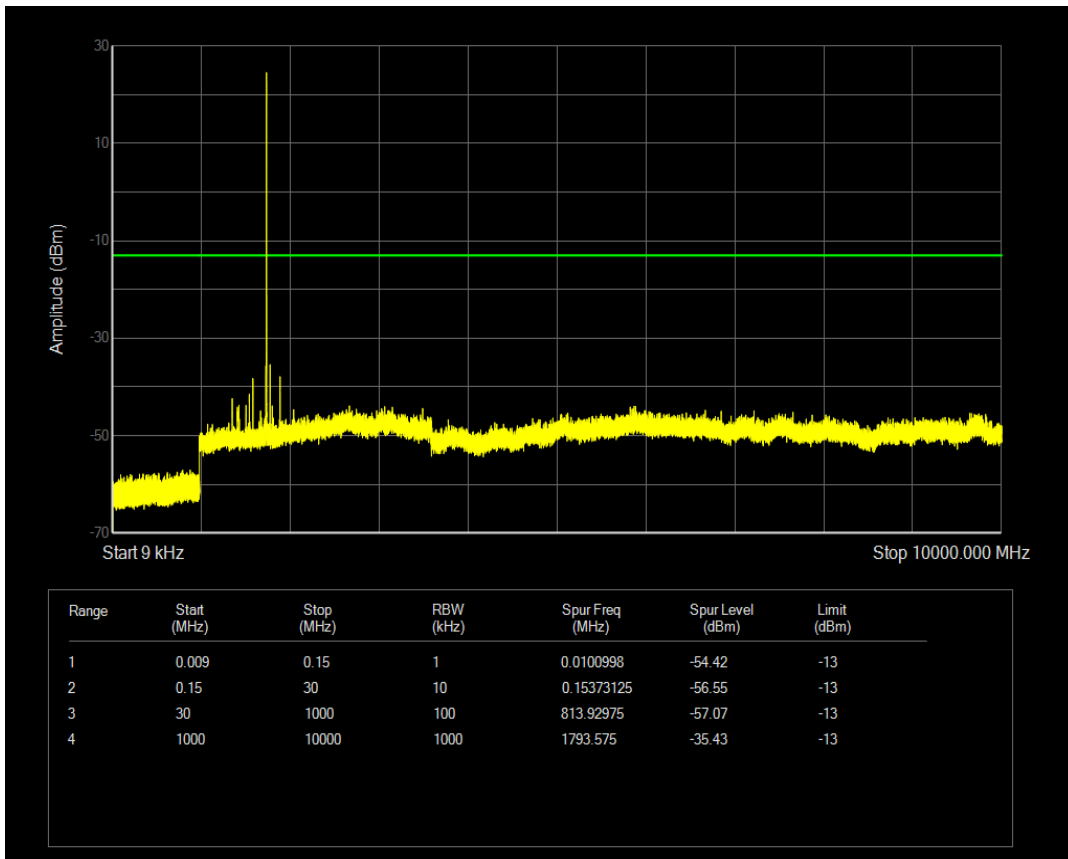
Band4 QAM16 BW=3MHz Channel=19965 RB Size=1 Position=#0 NB Index=0



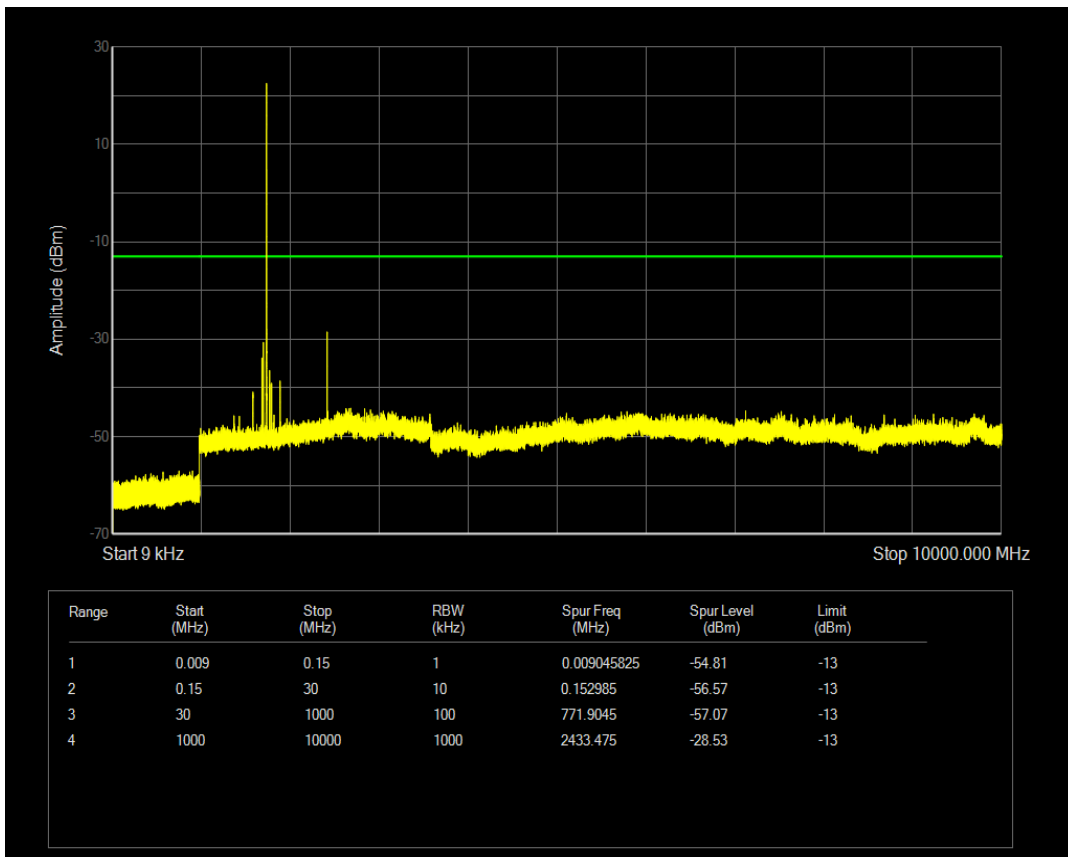
Band4 QAM16 BW=3MHz Channel=19965 RB Size=6 Position=#0 NB Index=0



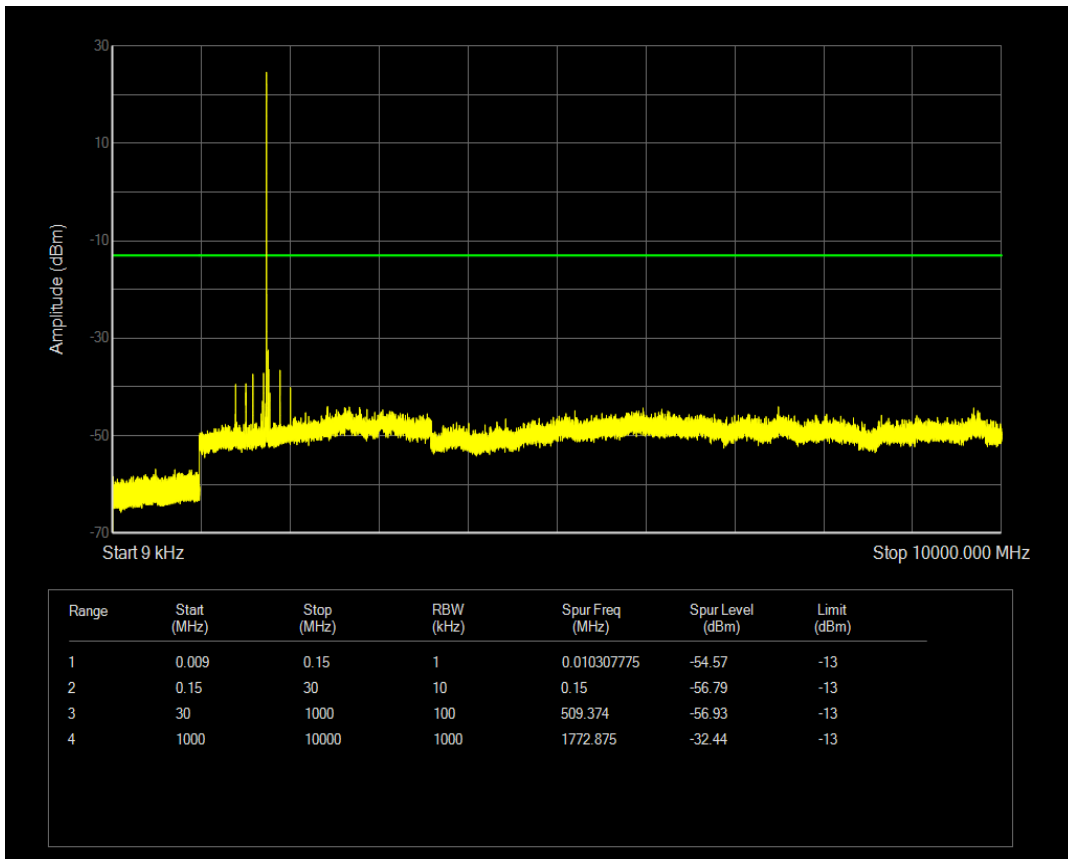
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0 NB Index=0



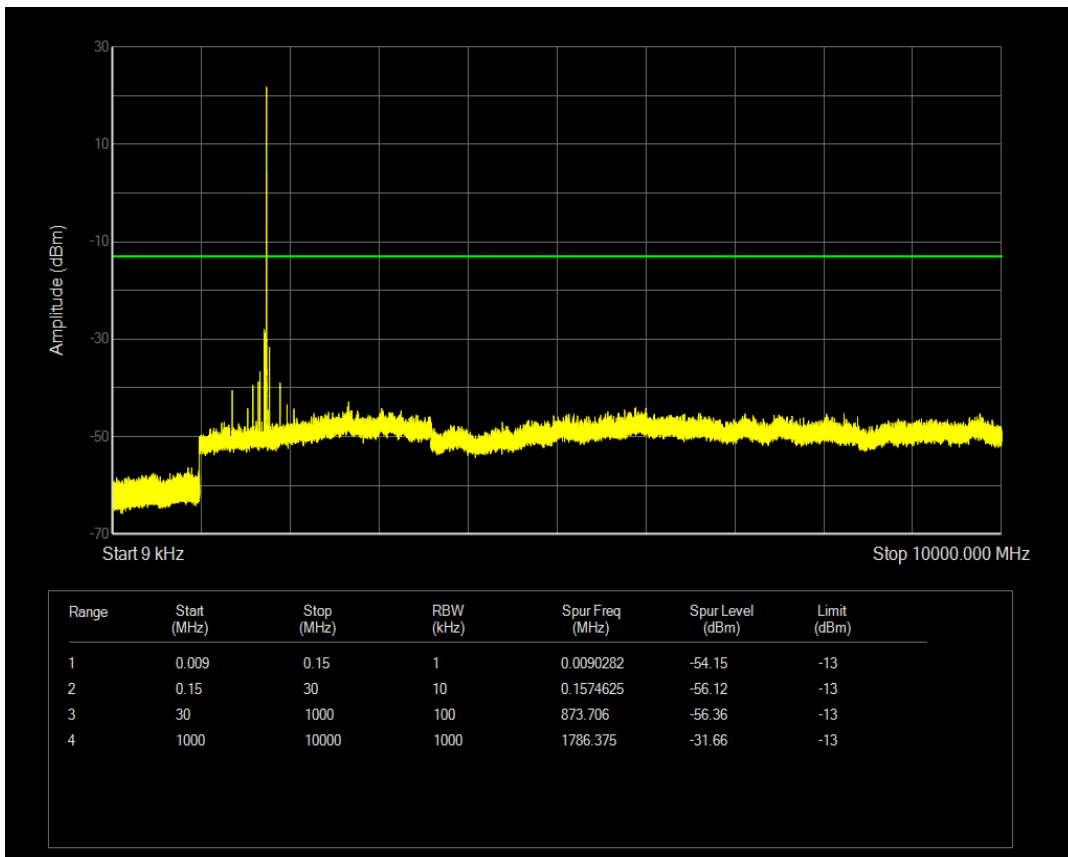
Band4 QPSK BW=3MHz Channel=20385 RB Size=6 Position=#0 NB Index=0



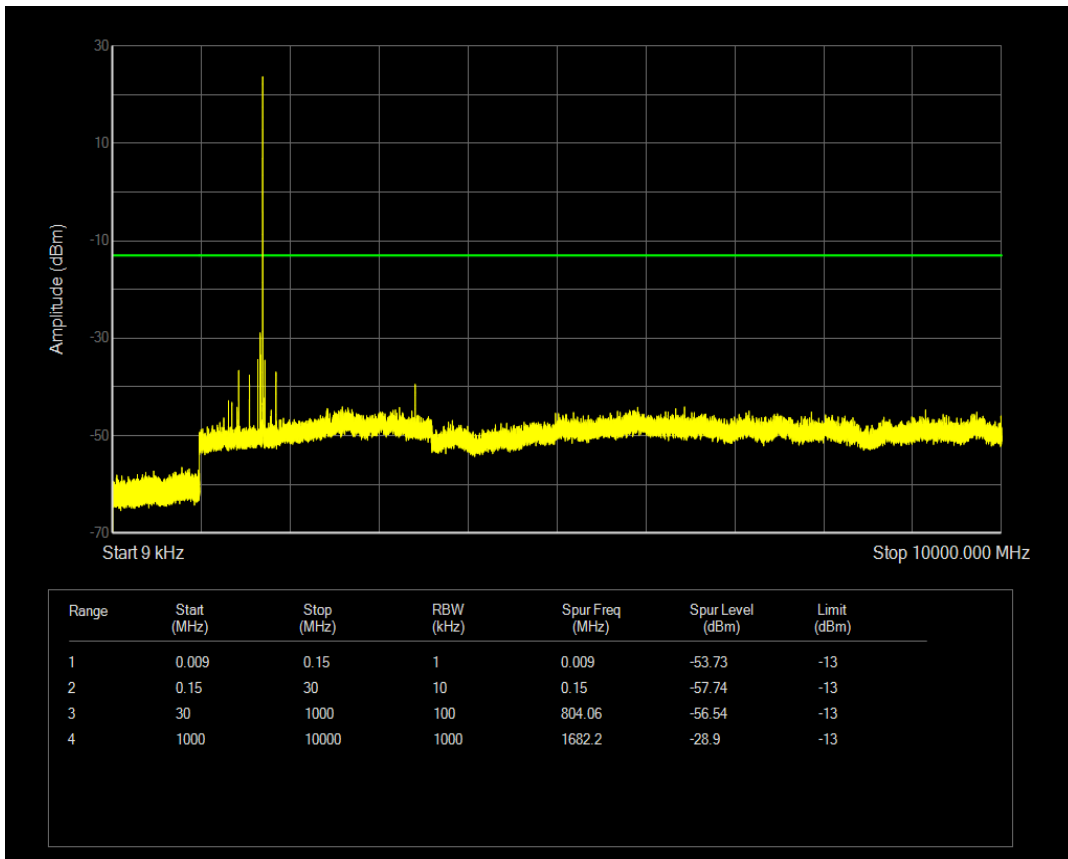
Band4 QAM16 BW=3MHz Channel=20385 RB Size=1 Position=#0 NB Index=0



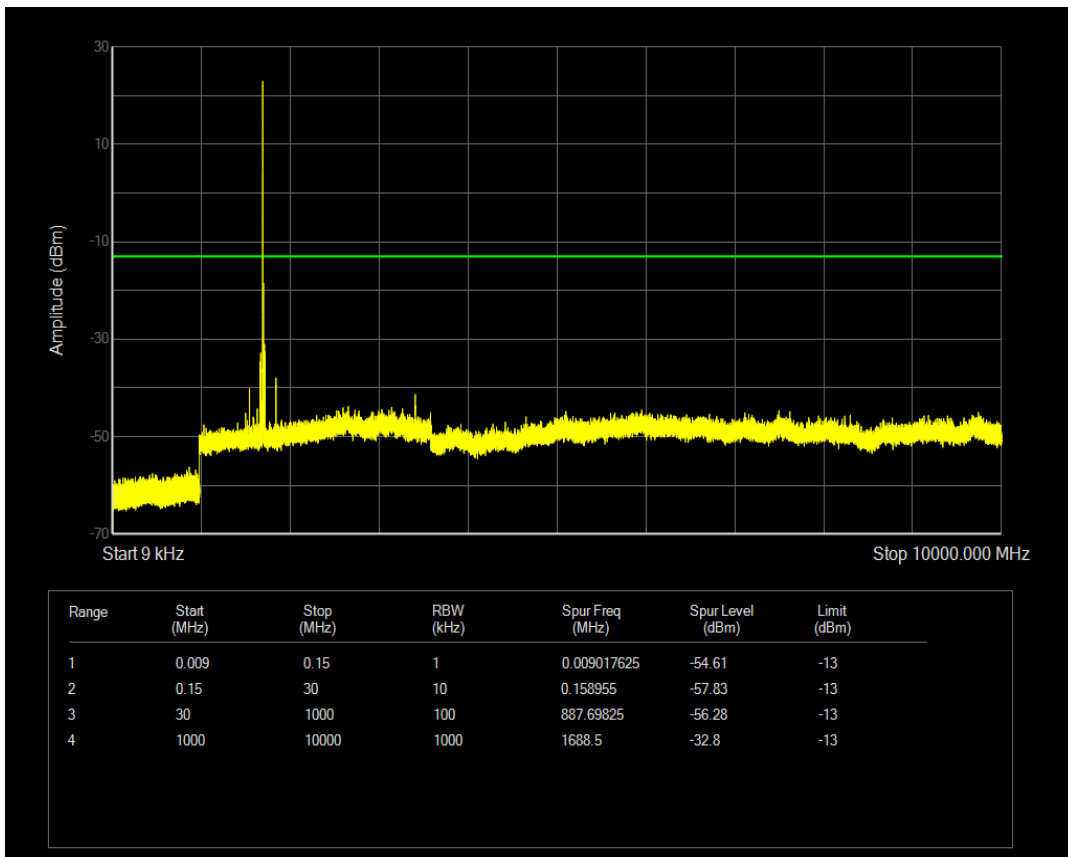
Band4 QAM16 BW=3MHz Channel=20385 RB Size=6 Position=#0 NB Index=0



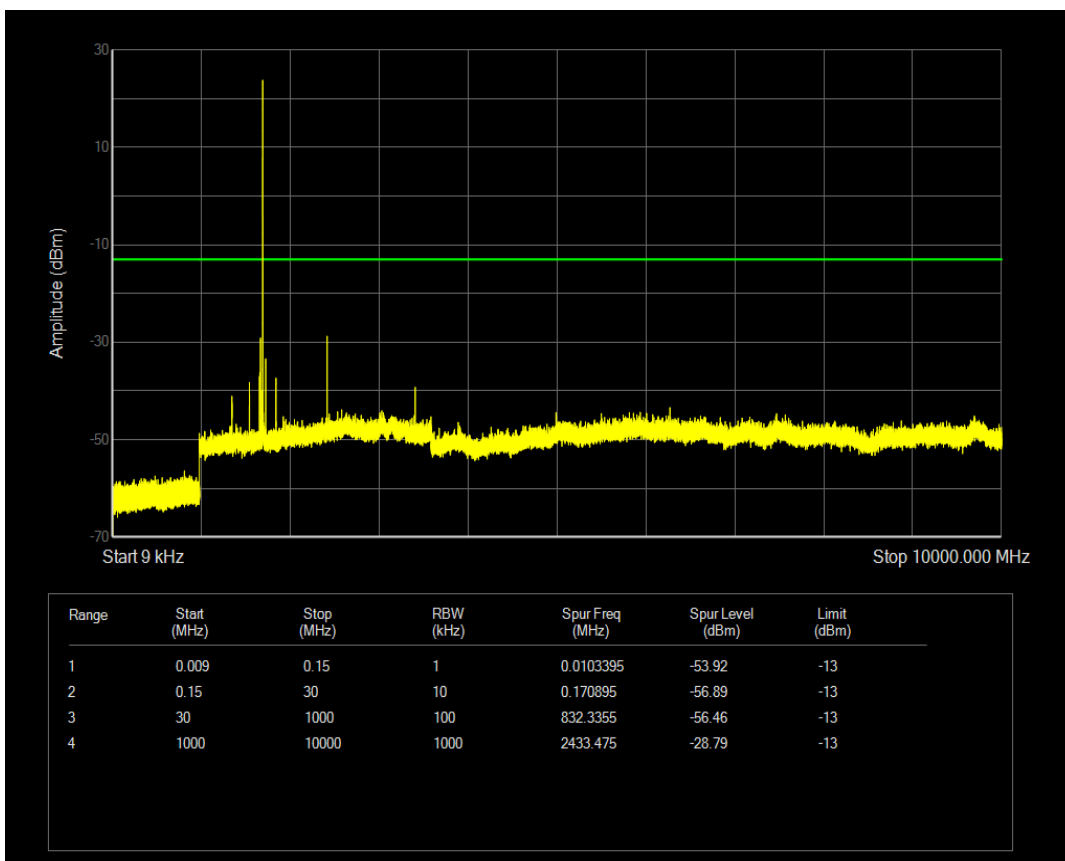
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NB Index=0



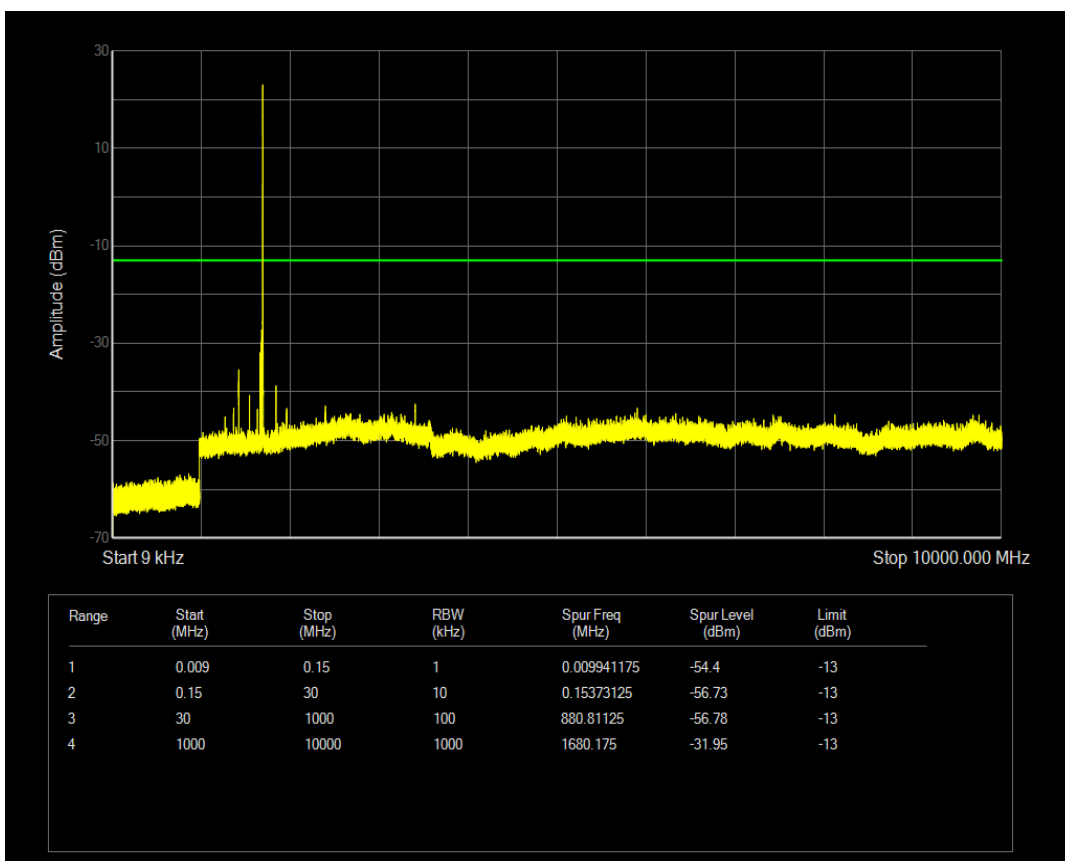
Band4 QPSK BW=5MHz Channel=19975 RB Size=6 Position=#0 NB Index=0



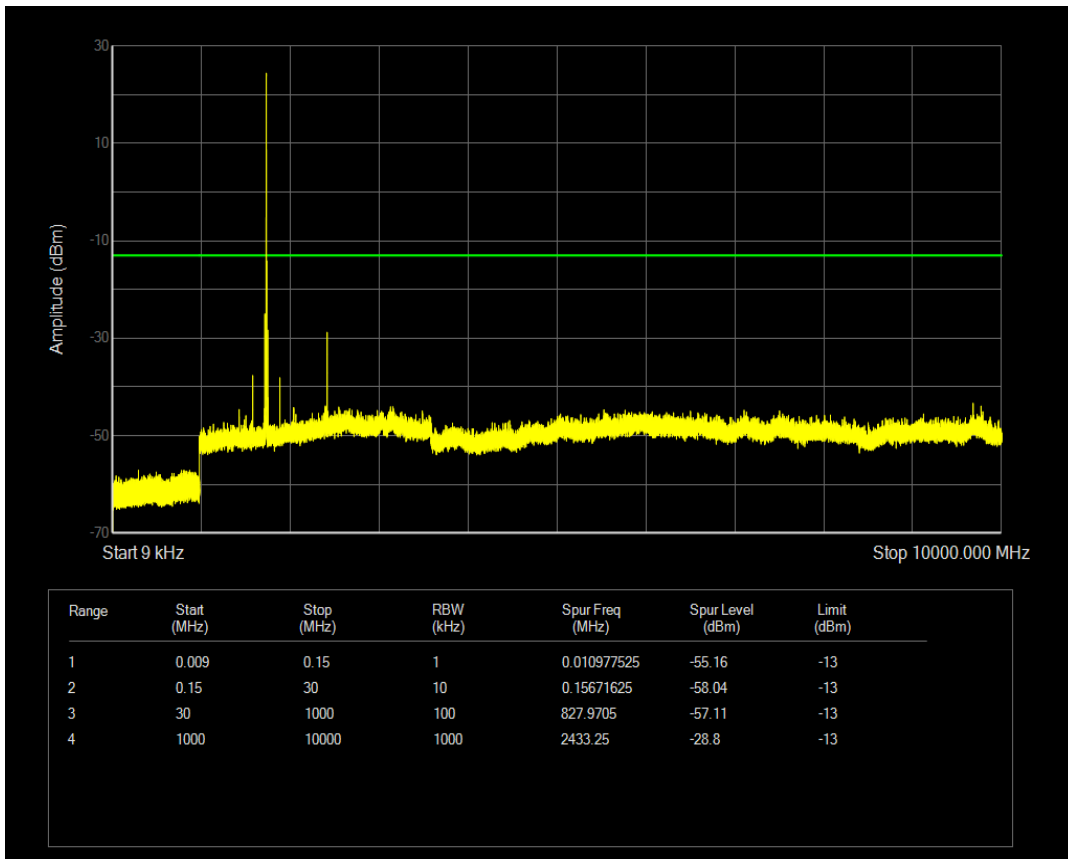
Band4 QAM16 BW=5MHz Channel=19975 RB Size=1 Position=#0 NB Index=0



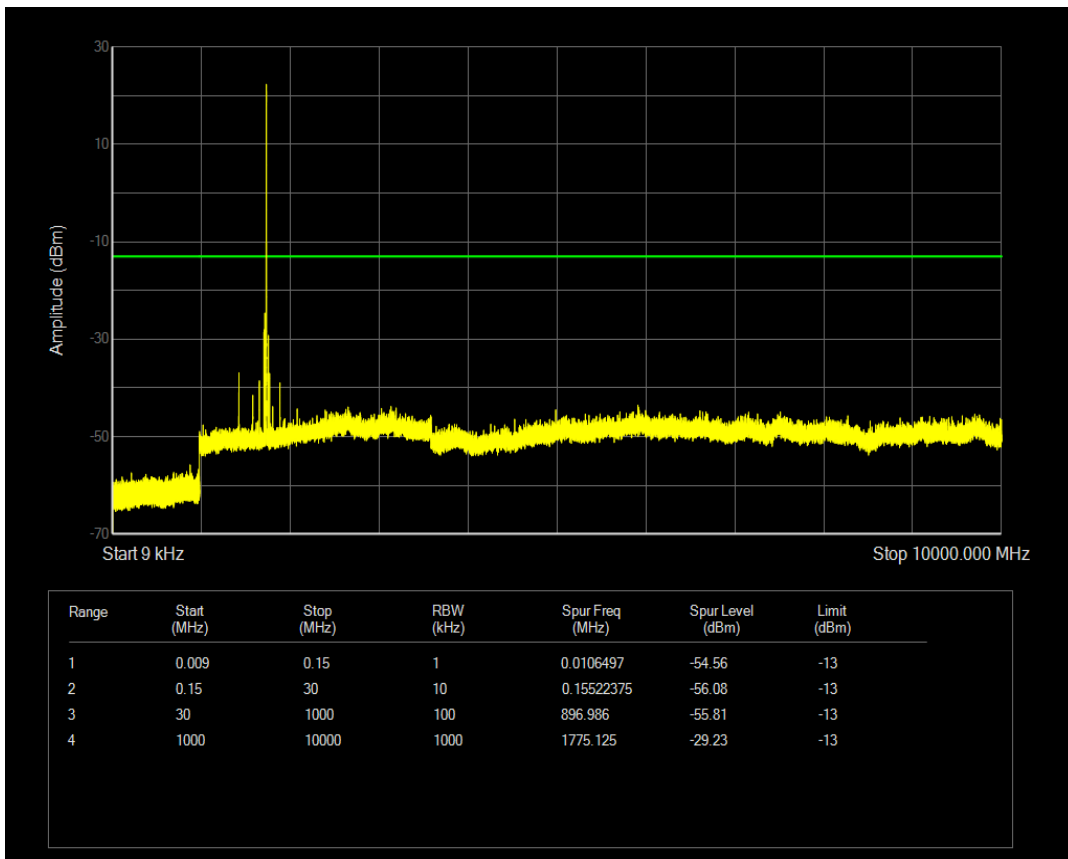
Band4 QAM16 BW=5MHz Channel=19975 RB Size=6 Position=#0 NB Index=0



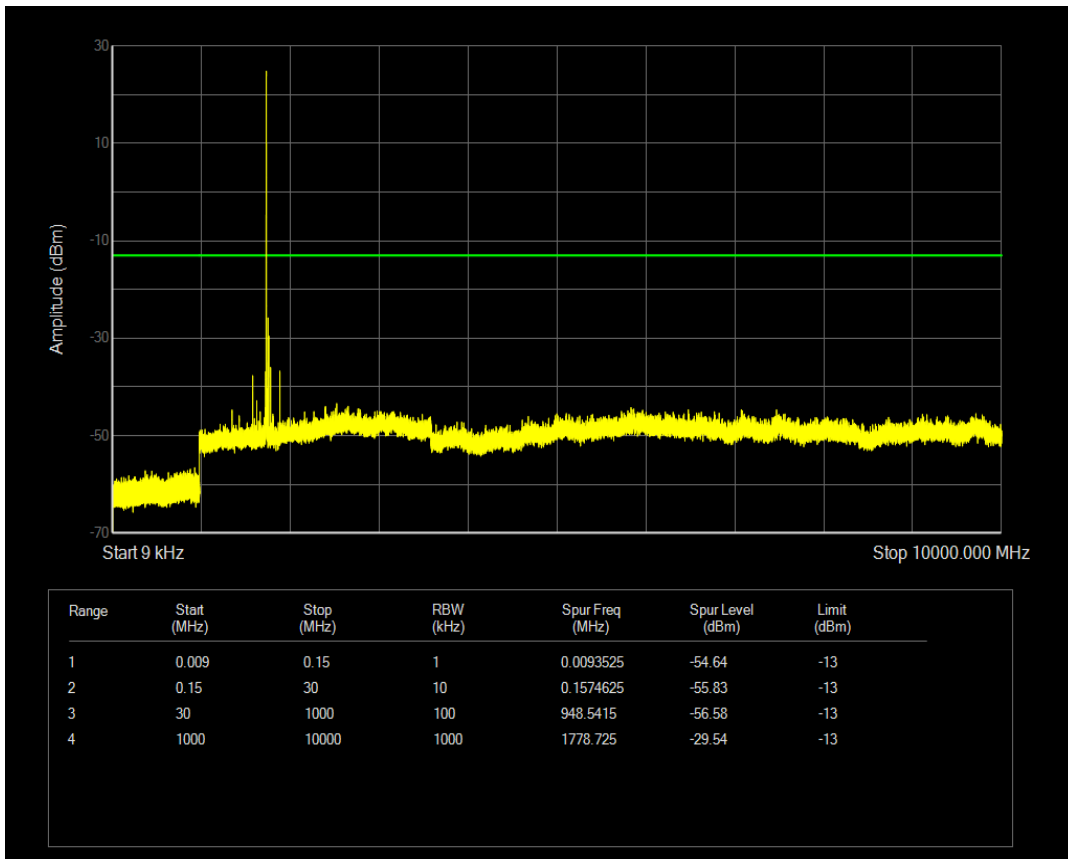
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0 NB Index=0



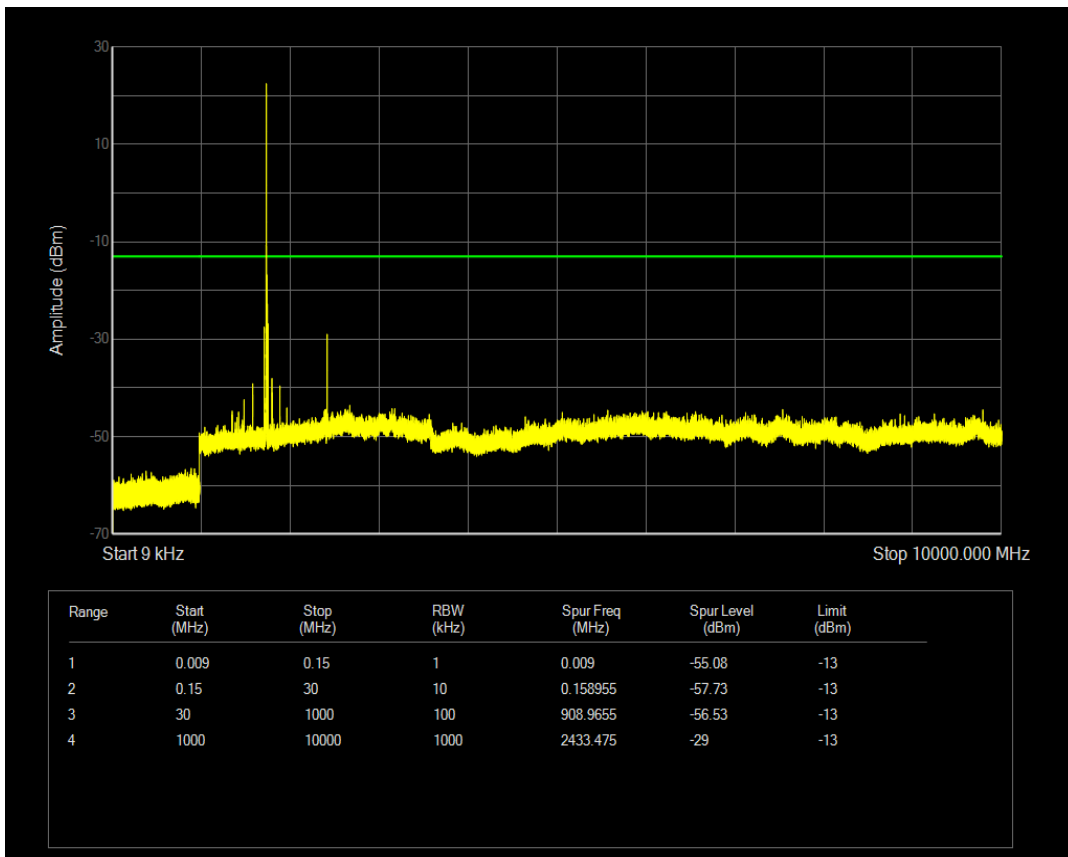
Band4 QPSK BW=5MHz Channel=20375 RB Size=6 Position=#0 NB Index=0



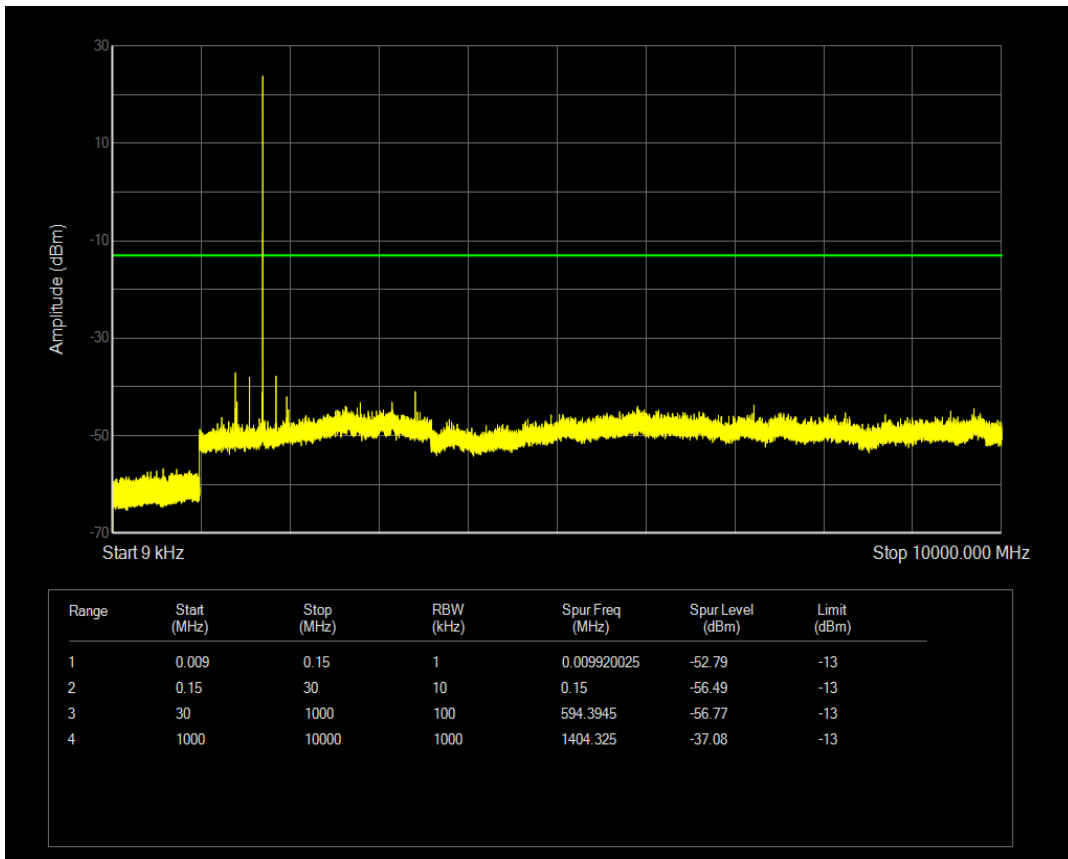
Band4 QAM16 BW=5MHz Channel=20375 RB Size=1 Position=#0 NB Index=0



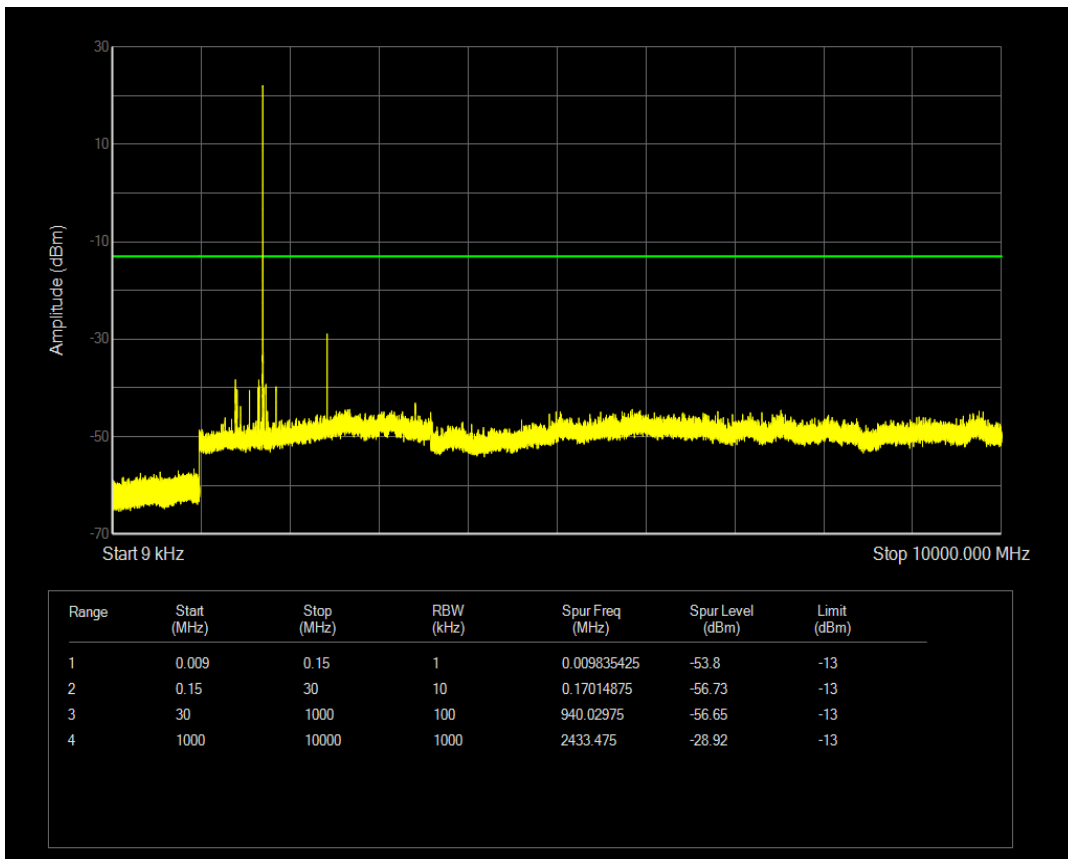
Band4 QAM16 BW=5MHz Channel=20375 RB Size=6 Position=#0 NB Index=0



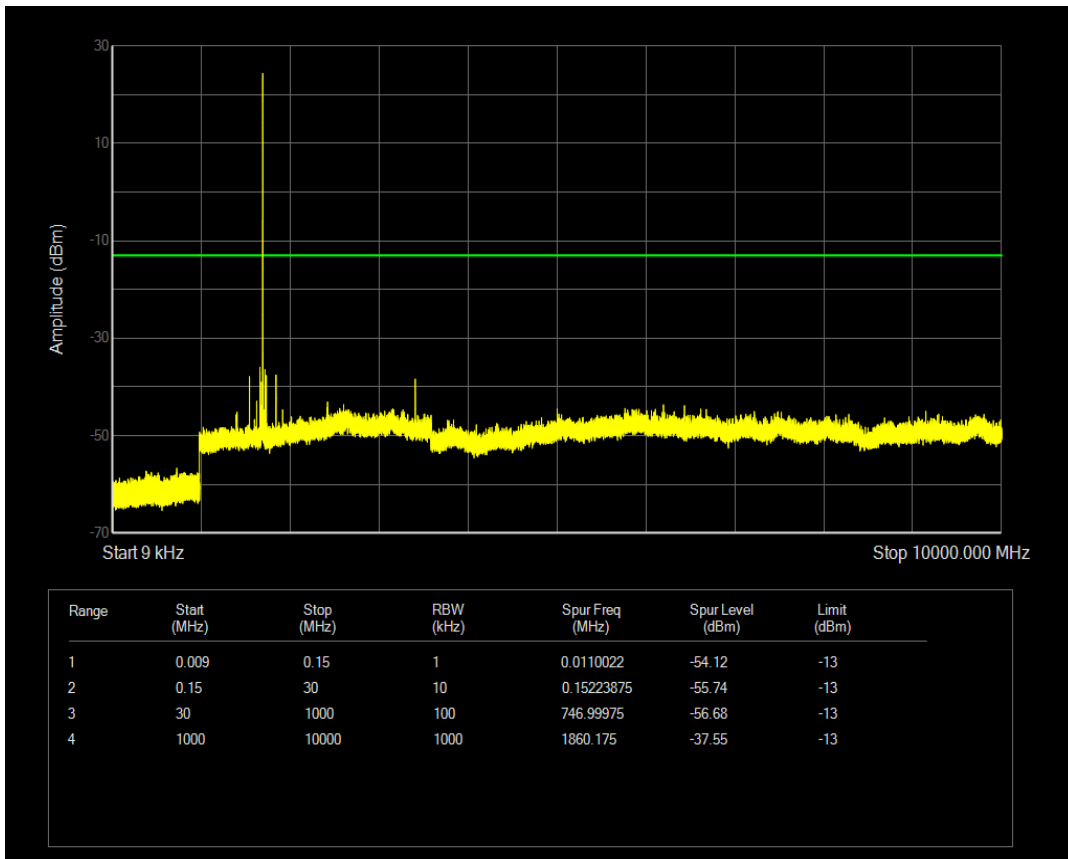
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NB Index=0



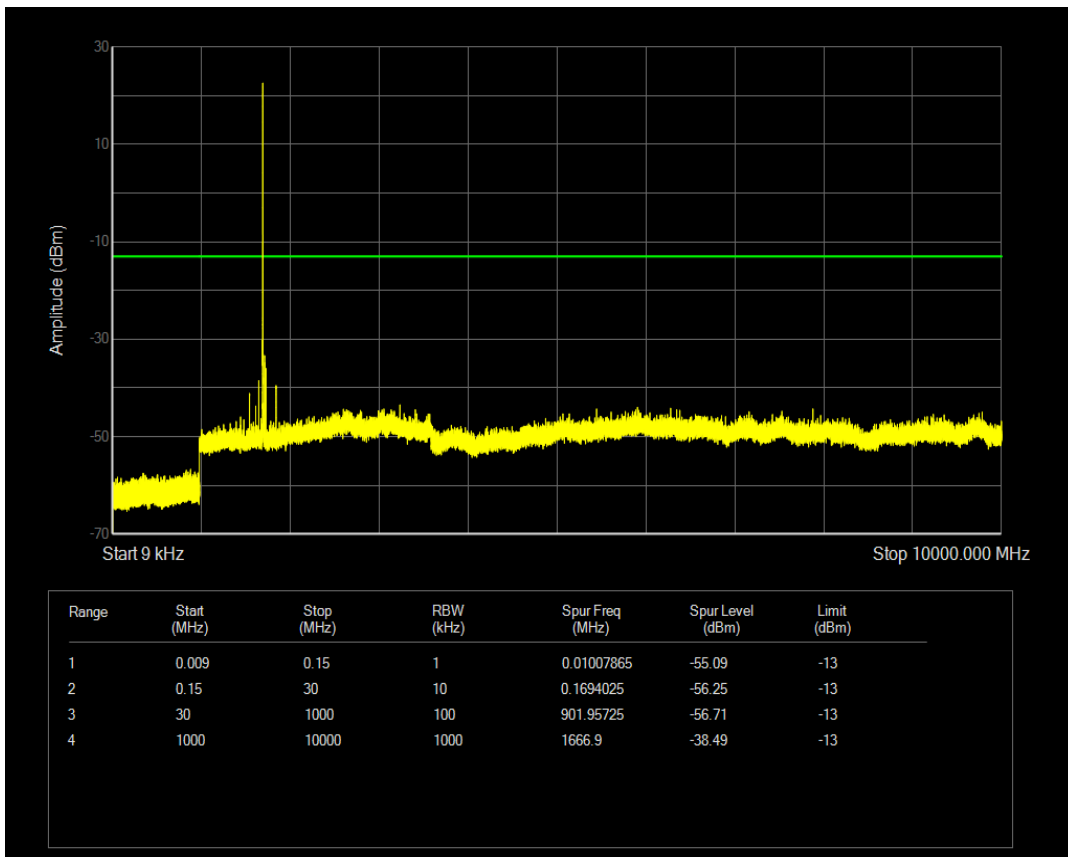
Band4 QPSK BW=10MHz Channel=20000 RB Size=6 Position=#0 NB Index=0



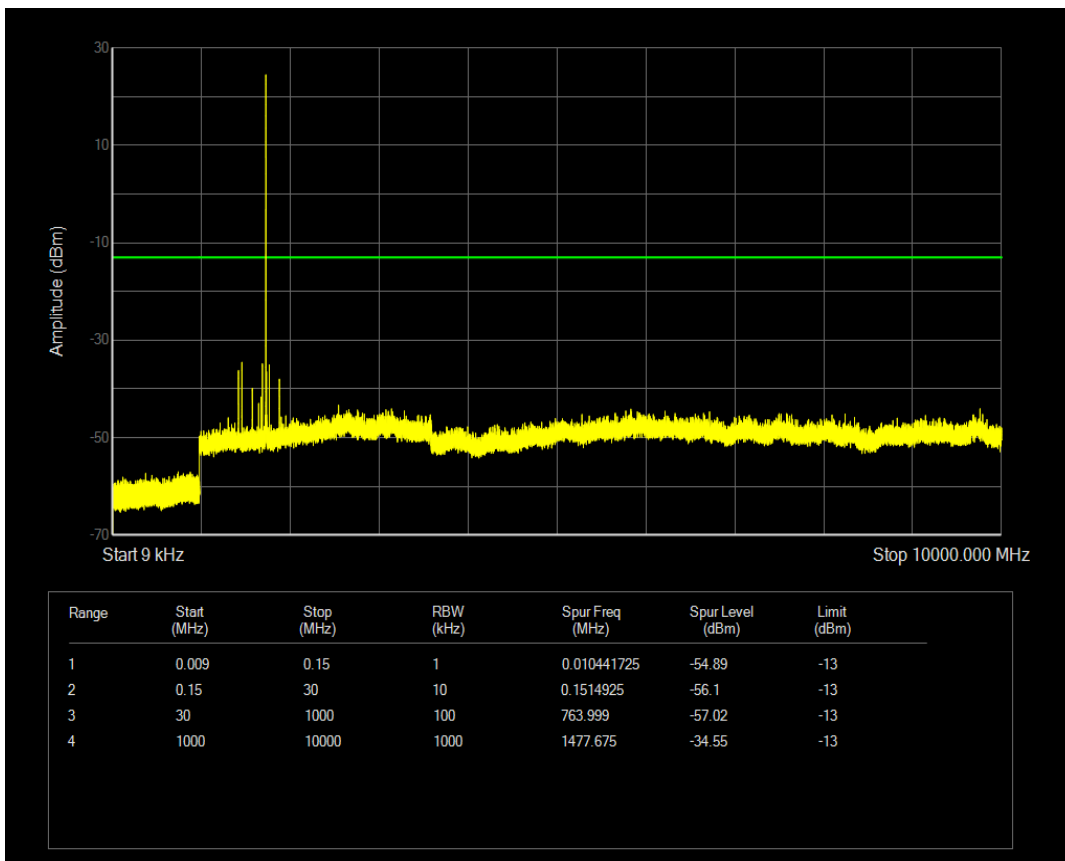
Band4 QAM16 BW=10MHz Channel=20000 RB Size=1 Position=#0 NB Index=0



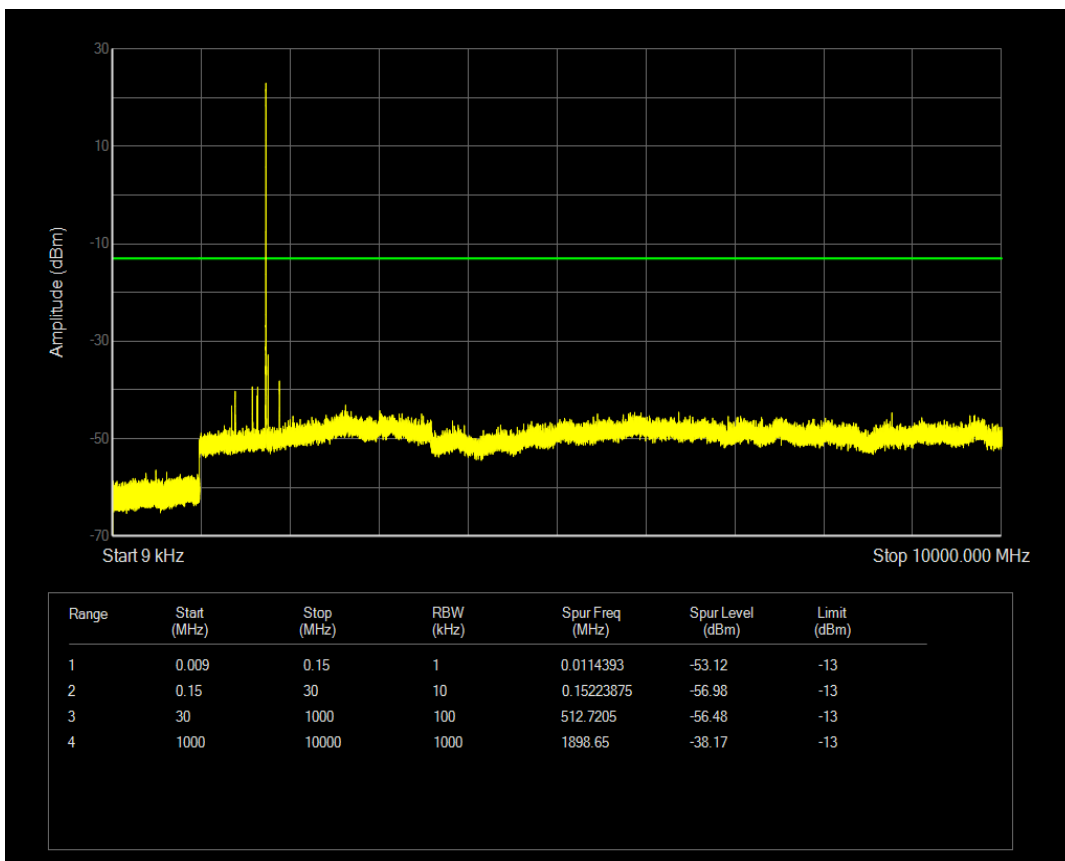
Band4 QAM16 BW=10MHz Channel=20000 RB Size=6 Position=#0 NB Index=0



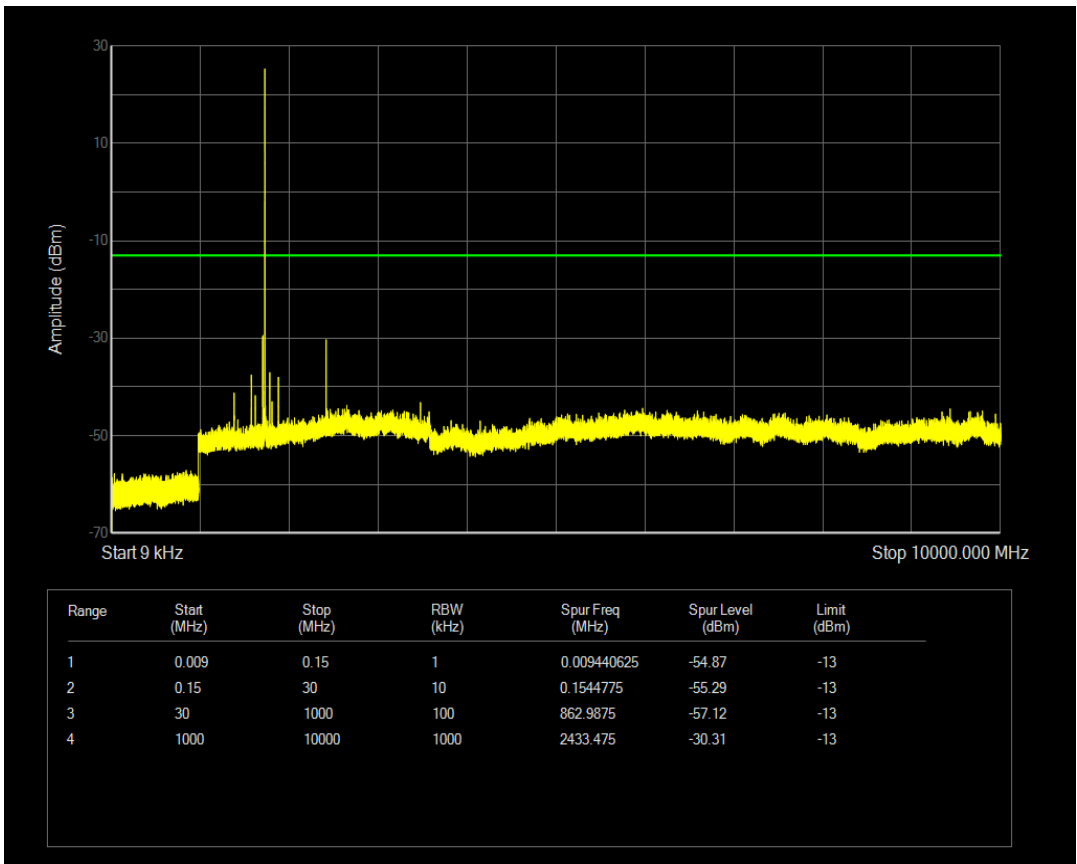
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0 NB Index=0



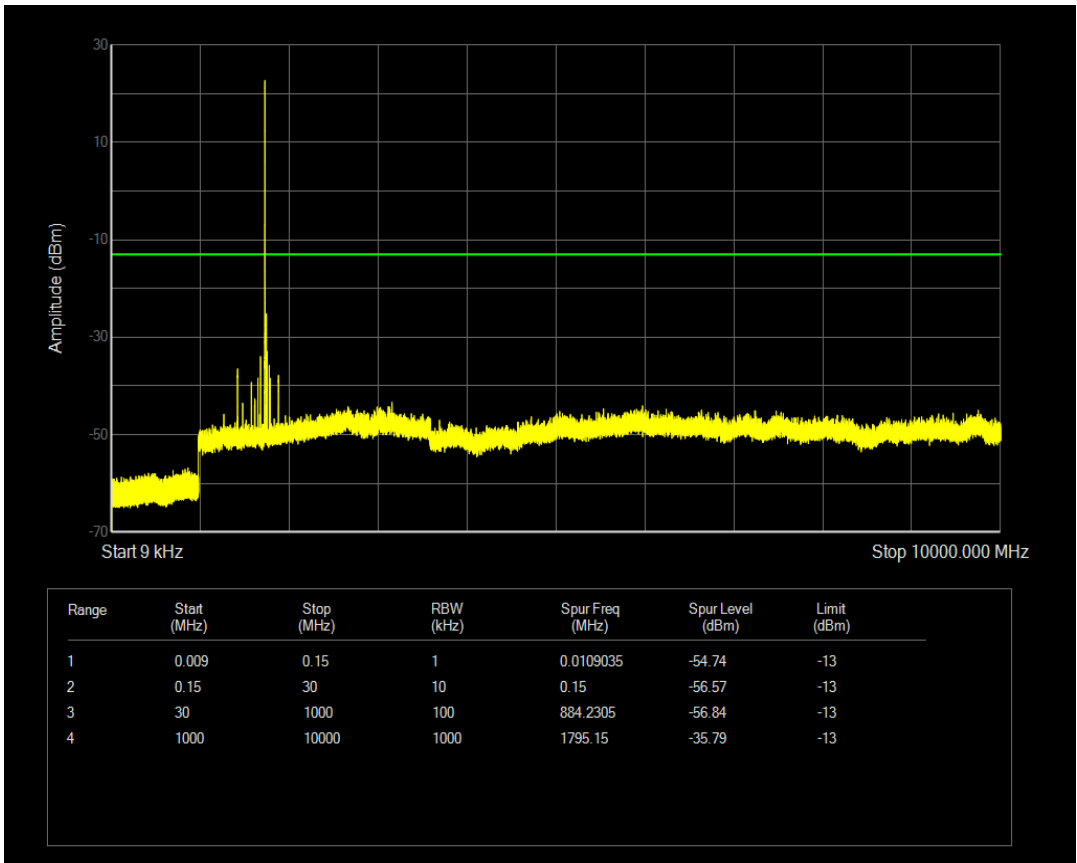
Band4 QPSK BW=10MHz Channel=20350 RB Size=6 Position=#0 NB Index=0



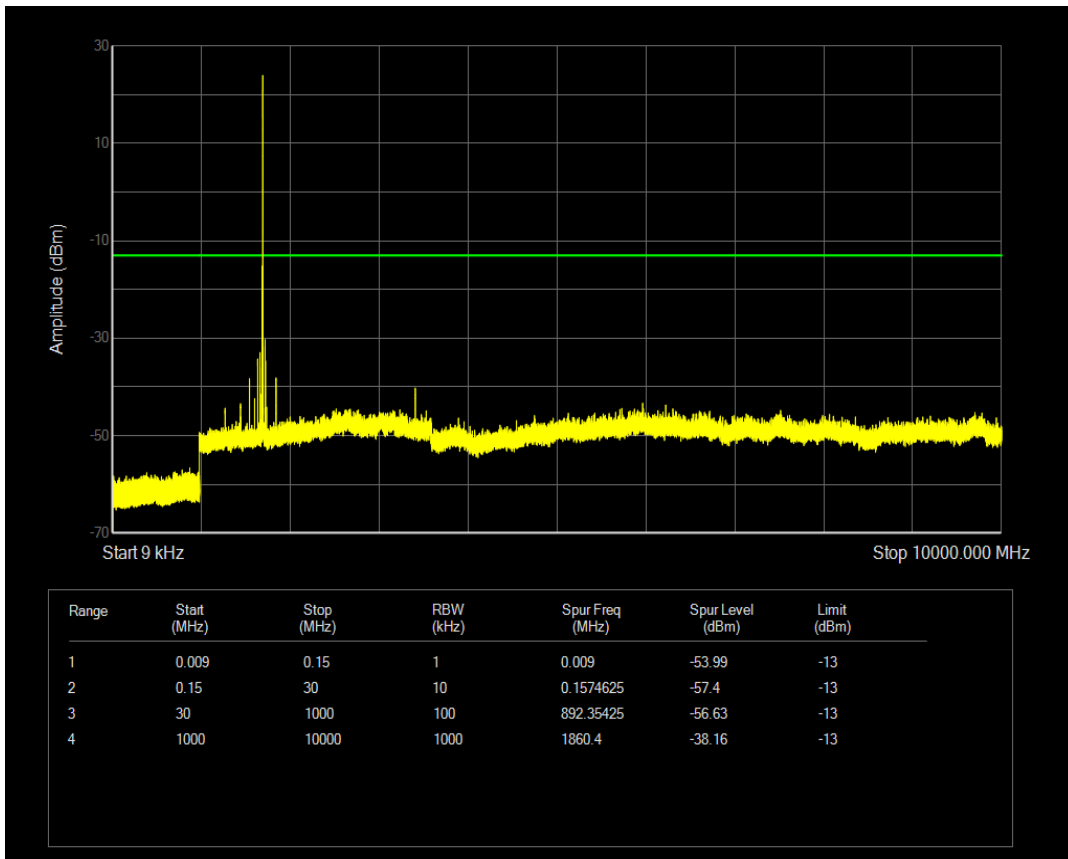
Band4 QAM16 BW=10MHz Channel=20350 RB Size=1 Position=#0 NB Index=0



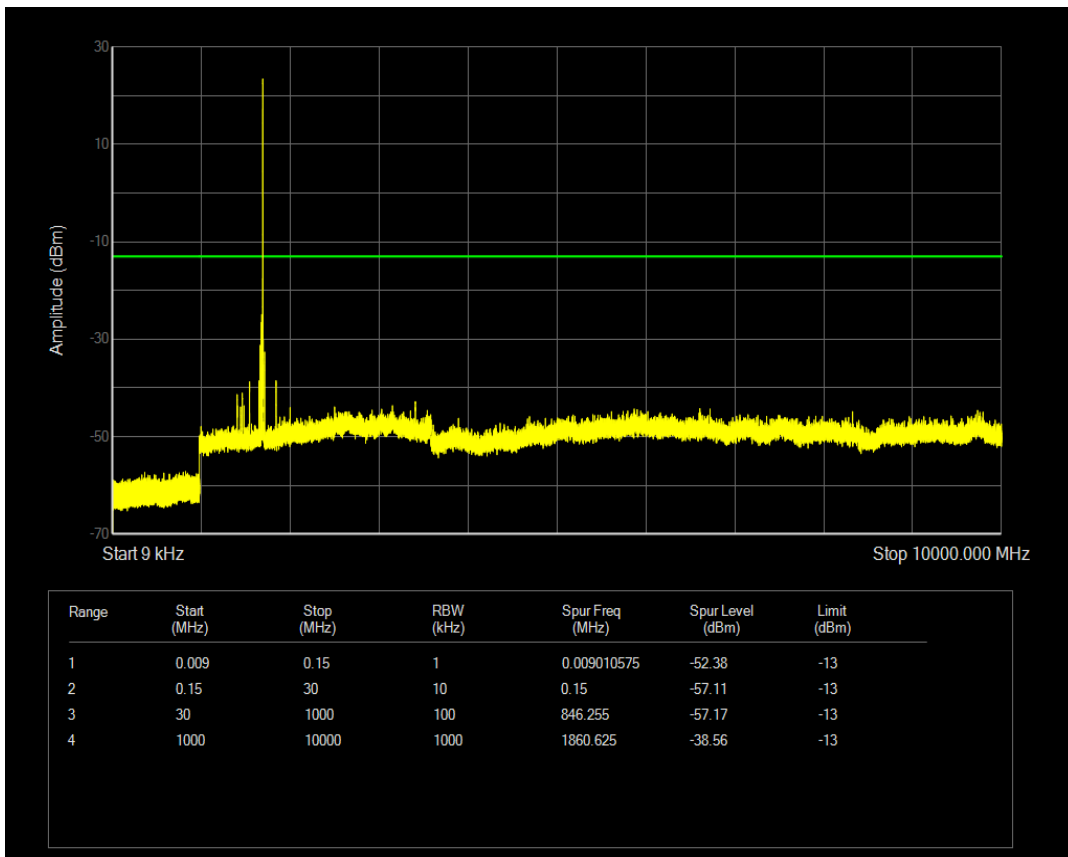
Band4 QAM16 BW=10MHz Channel=20350 RB Size=6 Position=#0 NB Index=0



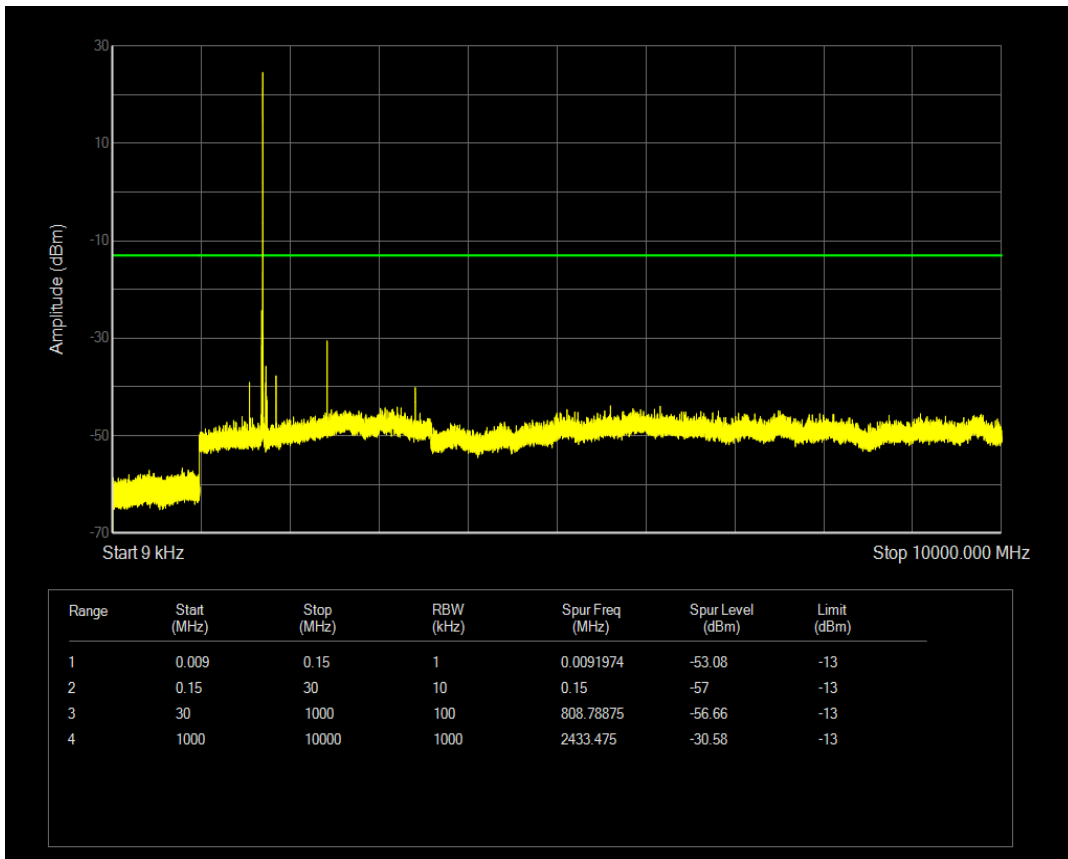
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NB Index=0



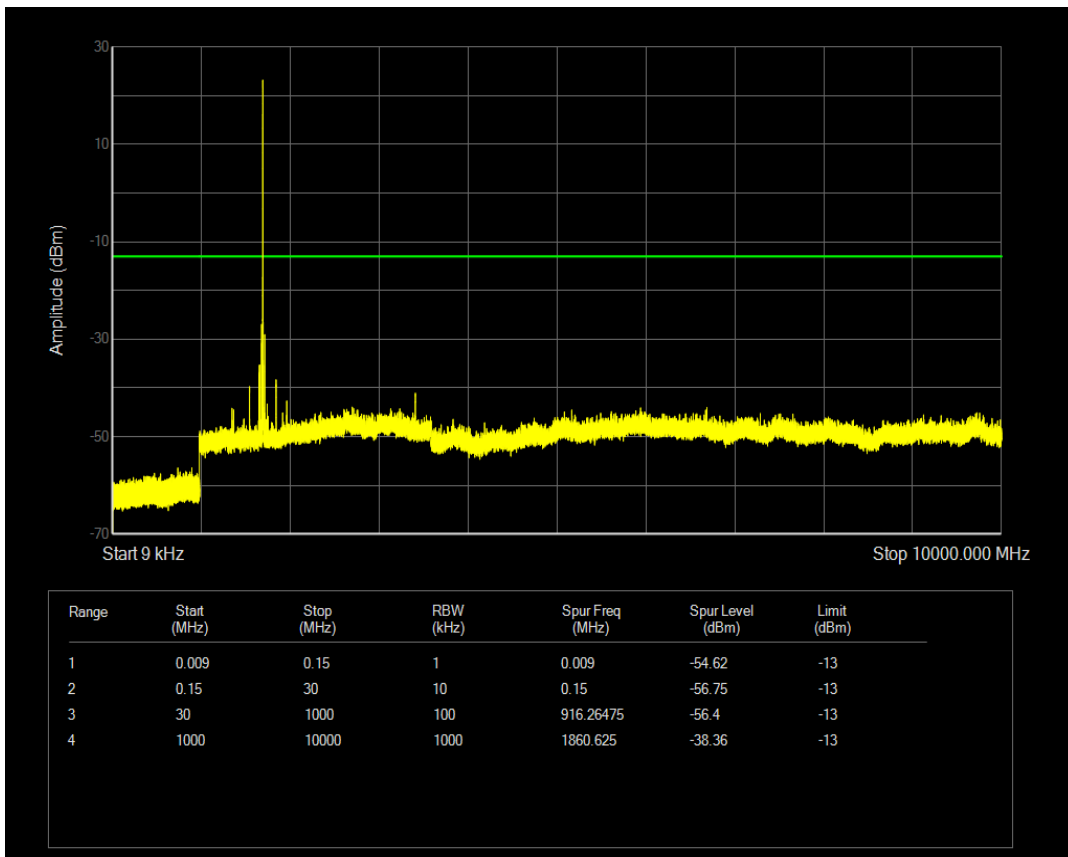
Band4 QPSK BW=15MHz Channel=20025 RB Size=6 Position=#0 NB Index=0



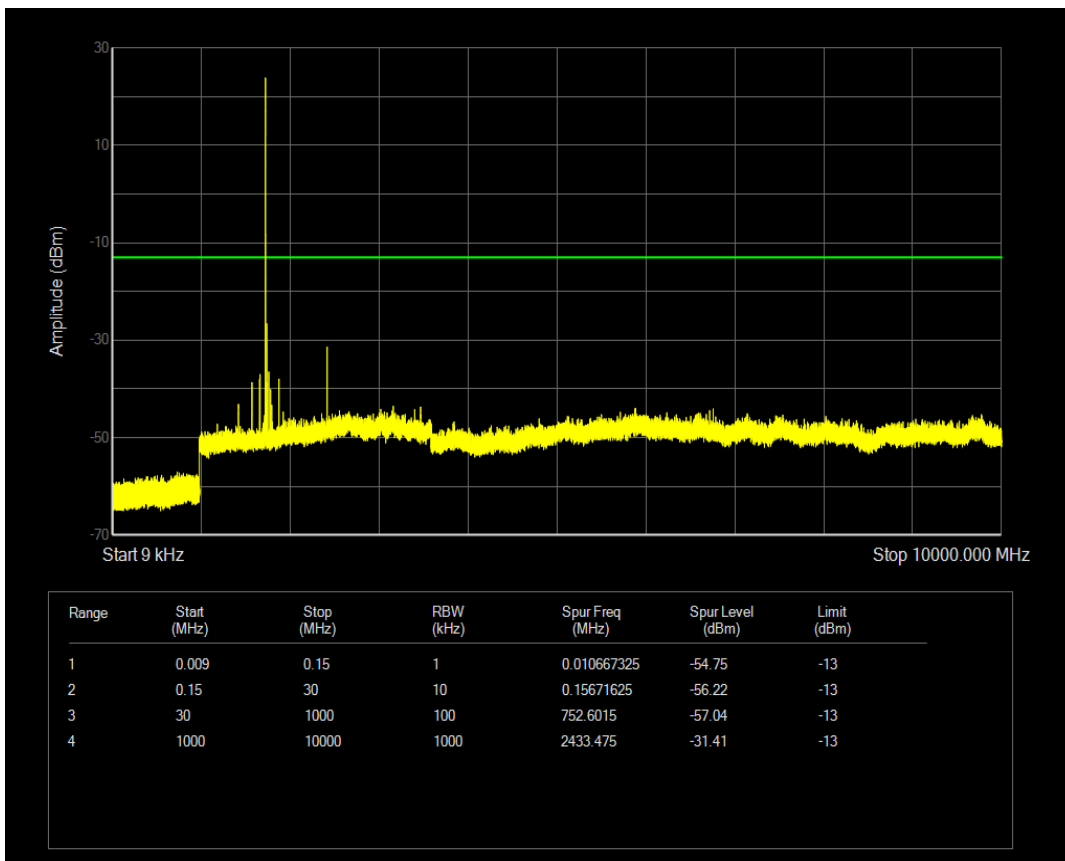
Band4 QAM16 BW=15MHz Channel=20025 RB Size=1 Position=#0 NB Index=0



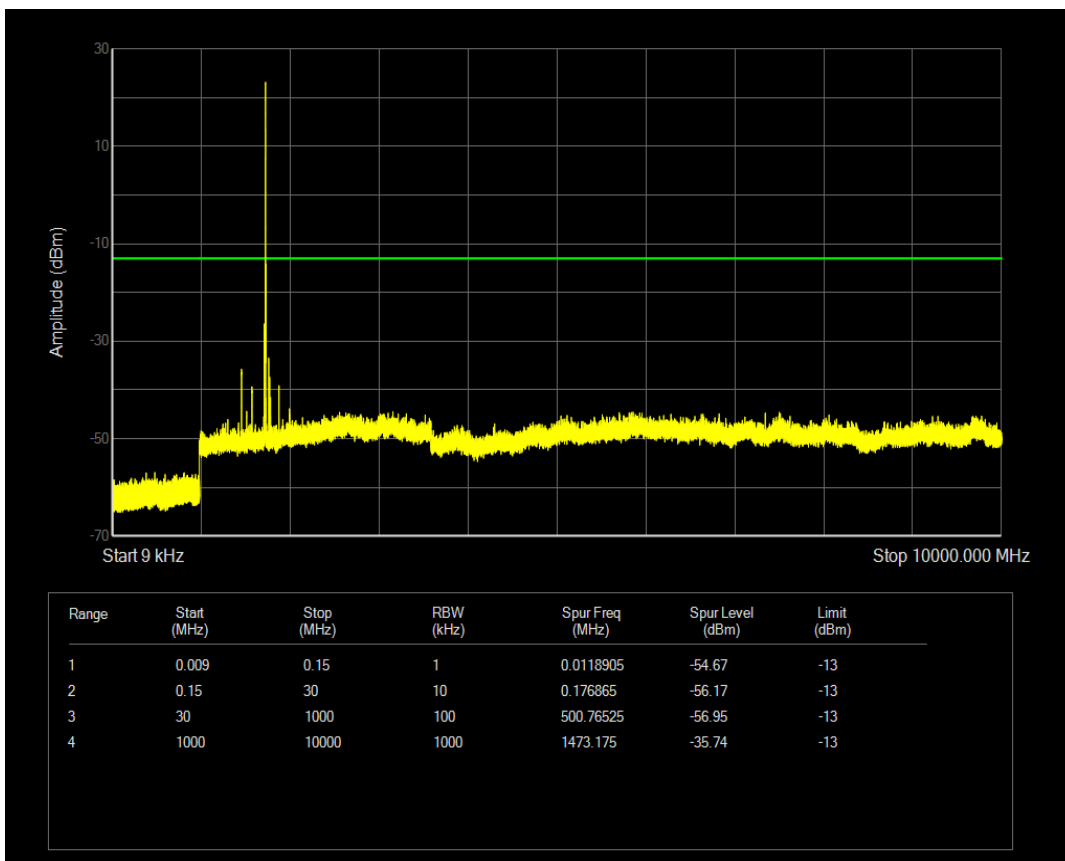
Band4 QAM16 BW=15MHz Channel=20025 RB Size=6 Position=#0 NB Index=0



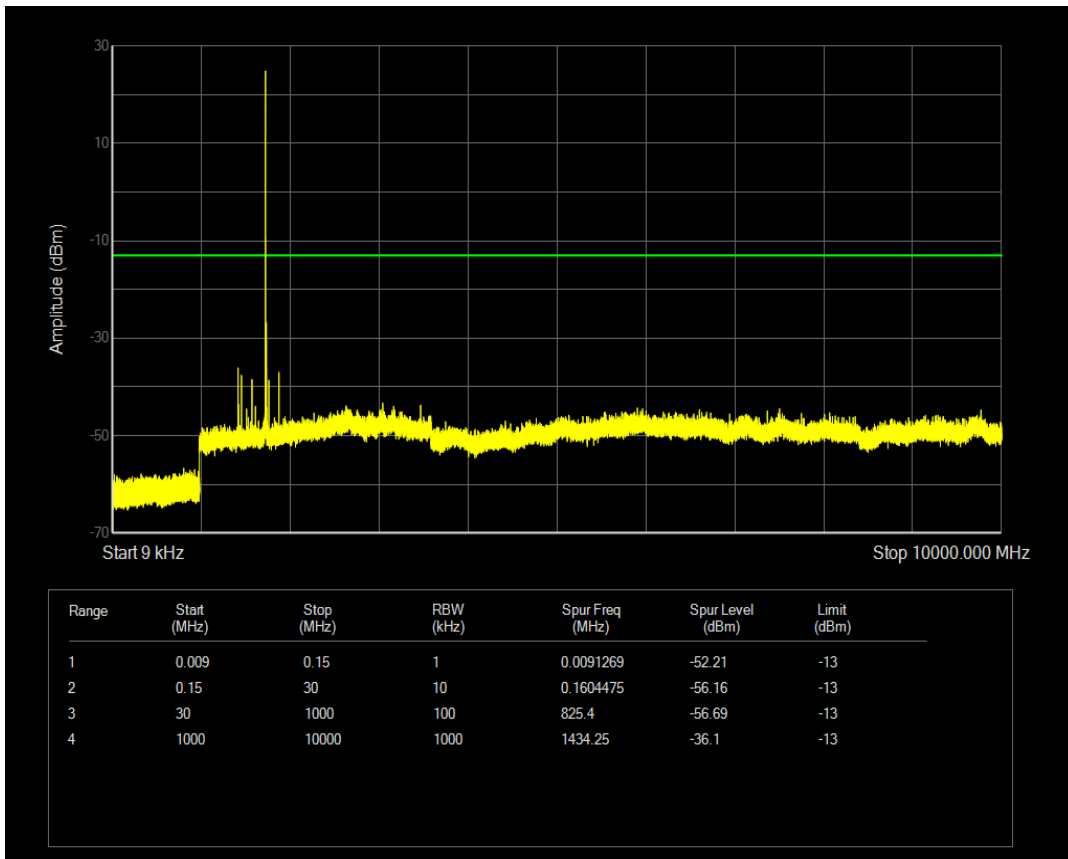
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0 NB Index=0



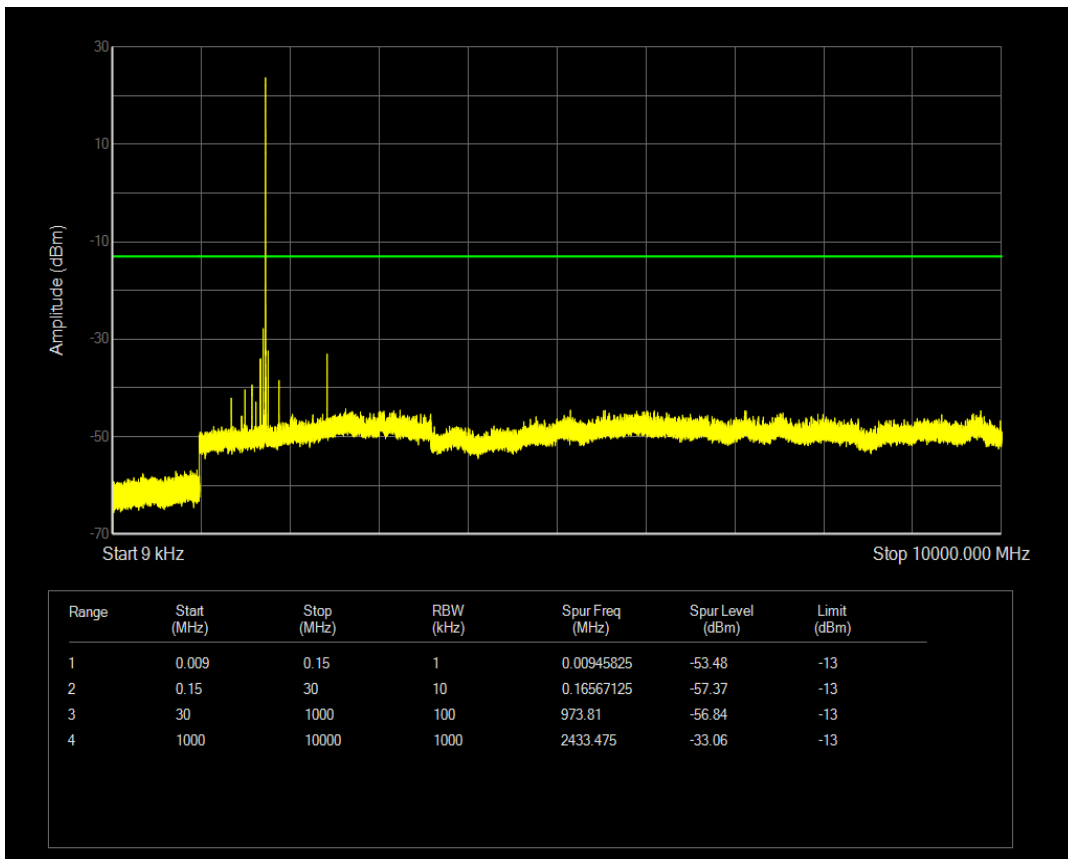
Band4 QPSK BW=15MHz Channel=20325 RB Size=6 Position=#0 NB Index=0



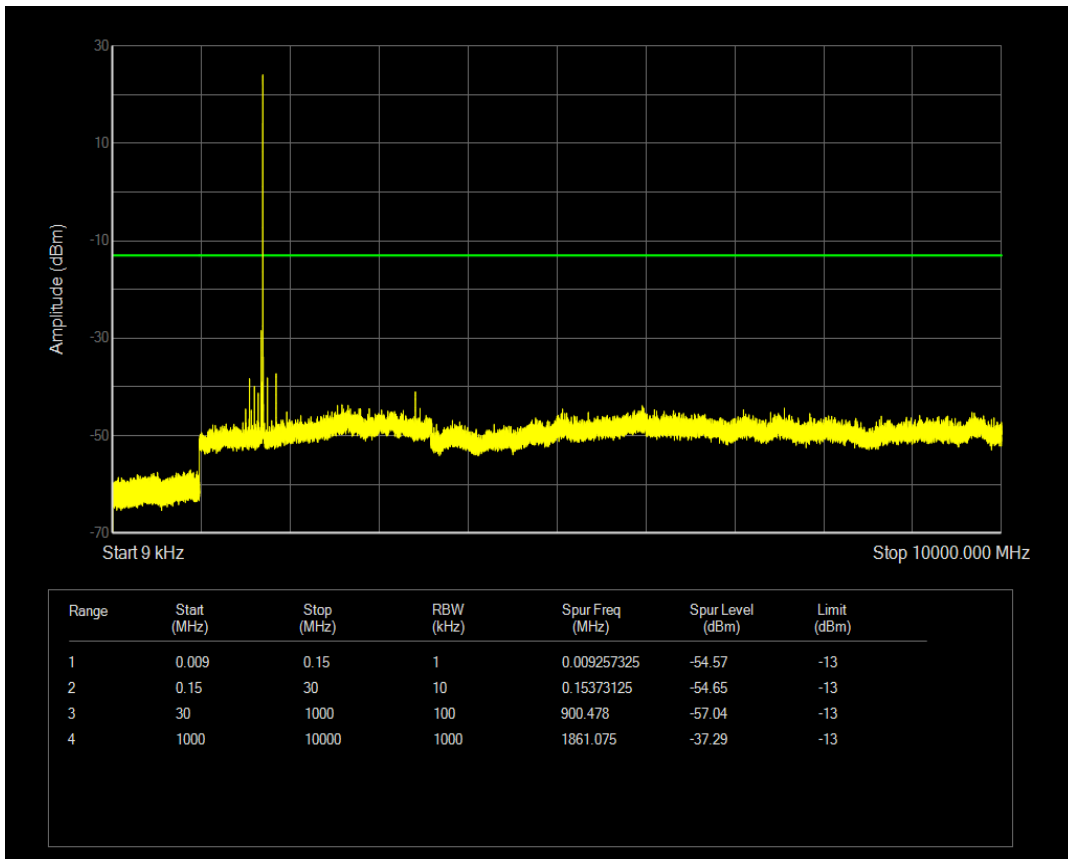
Band4 QAM16 BW=15MHz Channel=20325 RB Size=1 Position=#0 NB Index=0



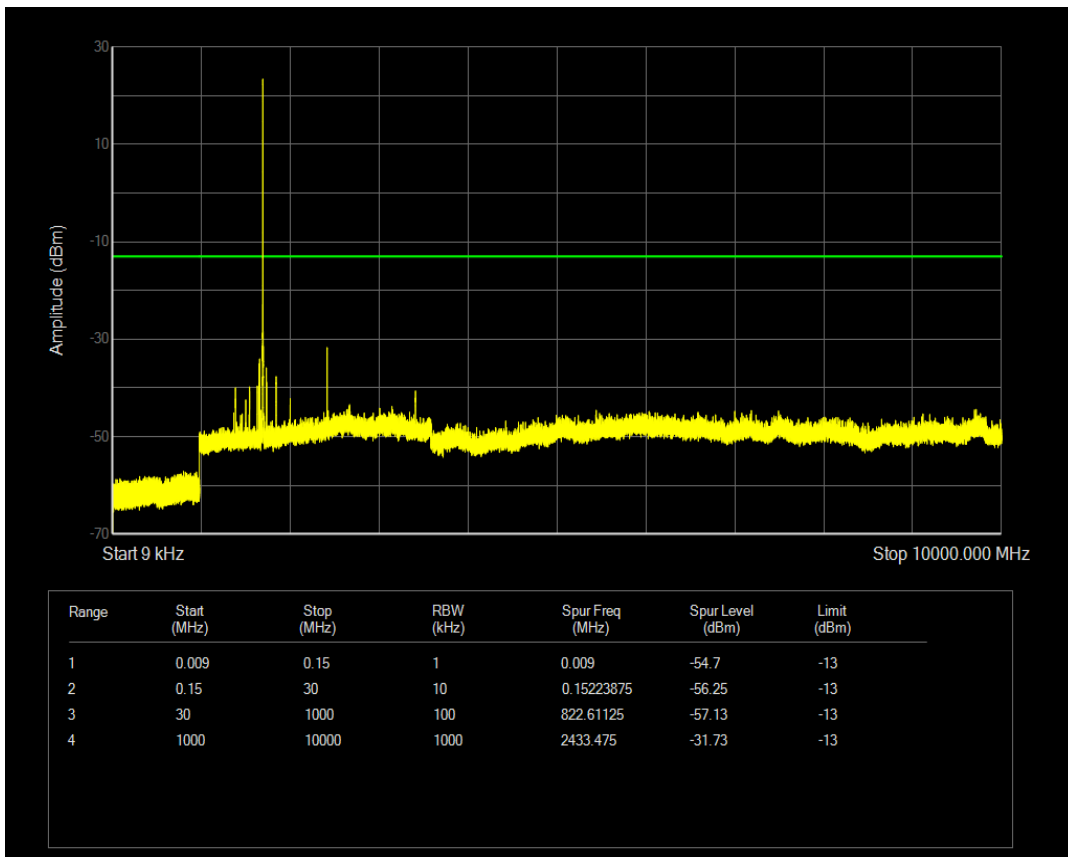
Band4 QAM16 BW=15MHz Channel=20325 RB Size=6 Position=#0 NB Index=0



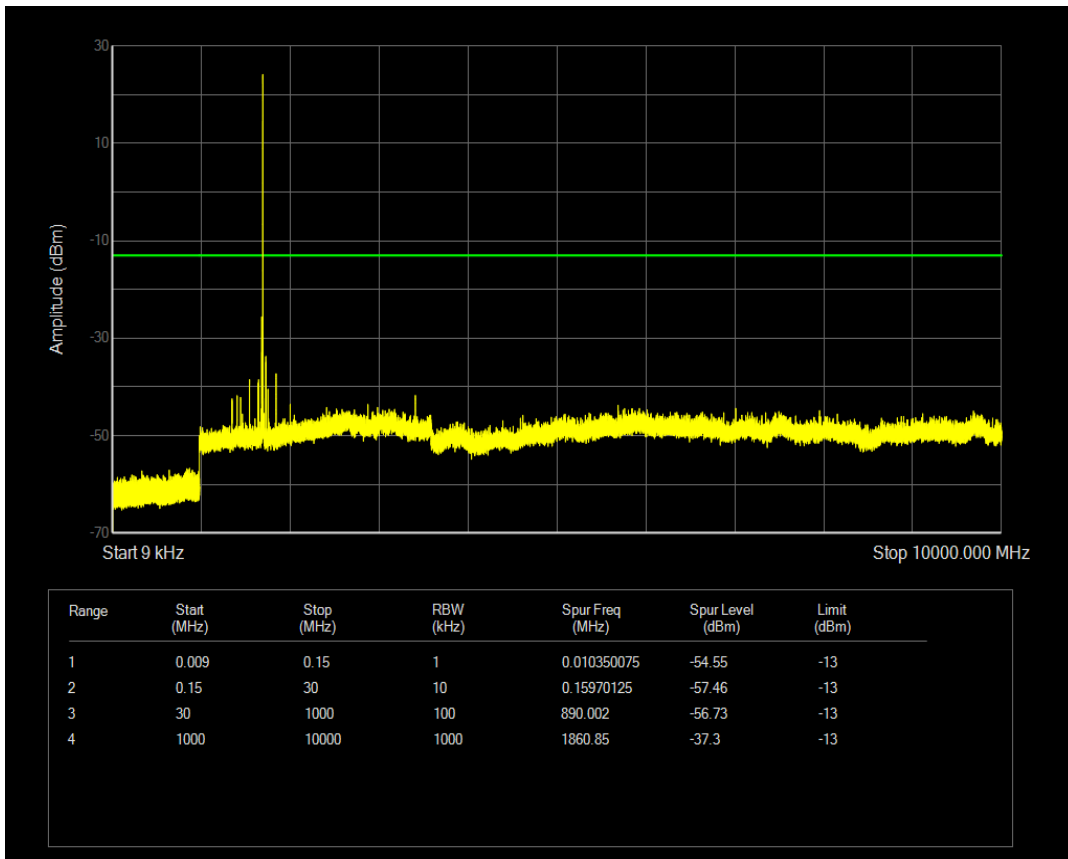
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NB Index=0



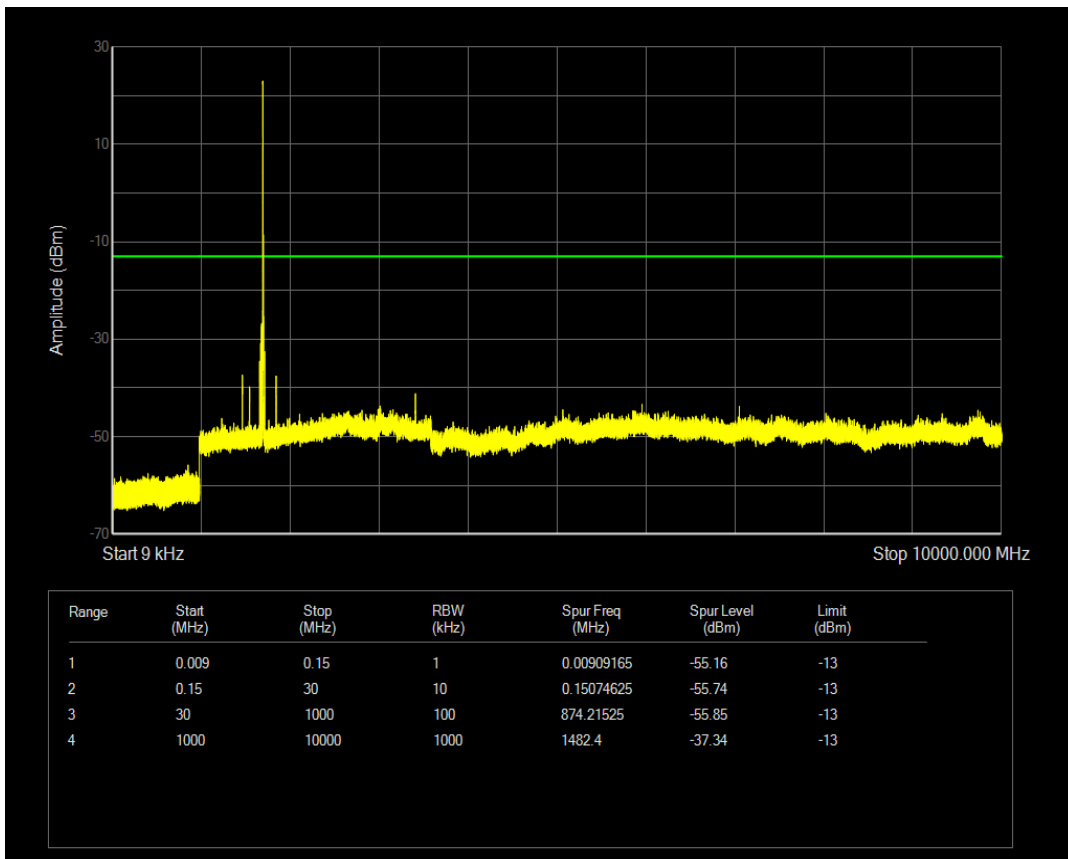
Band4 QPSK BW=20MHz Channel=20050 RB Size=6 Position=#0 NB Index=0



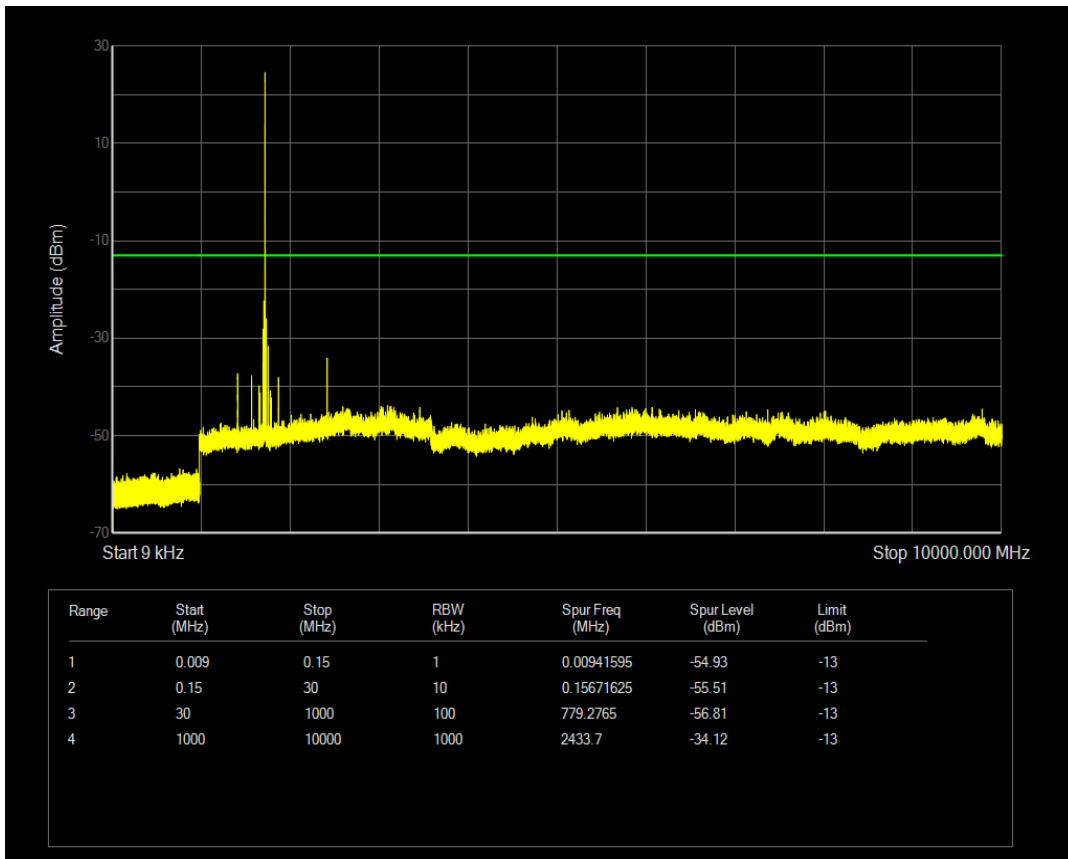
Band4 QAM16 BW=20MHz Channel=20050 RB Size=1 Position=#0 NB Index=0



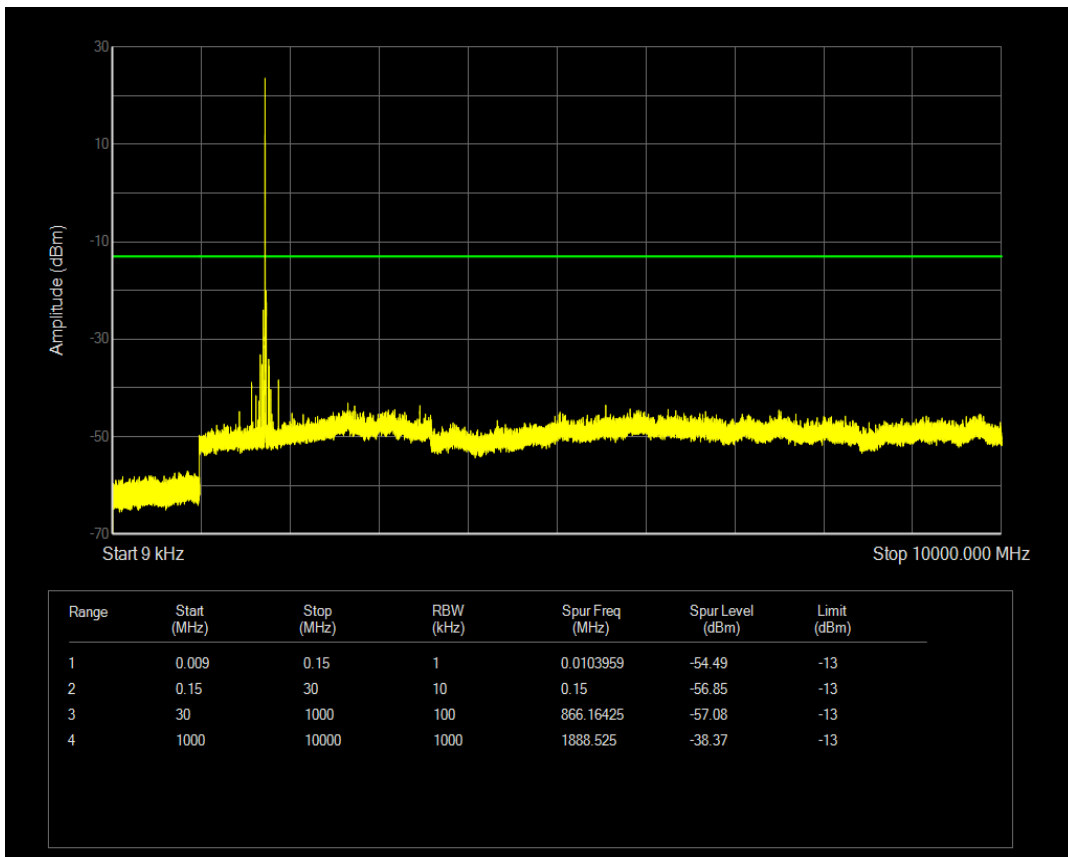
Band4 QAM16 BW=20MHz Channel=20050 RB Size=6 Position=#0 NB Index=0



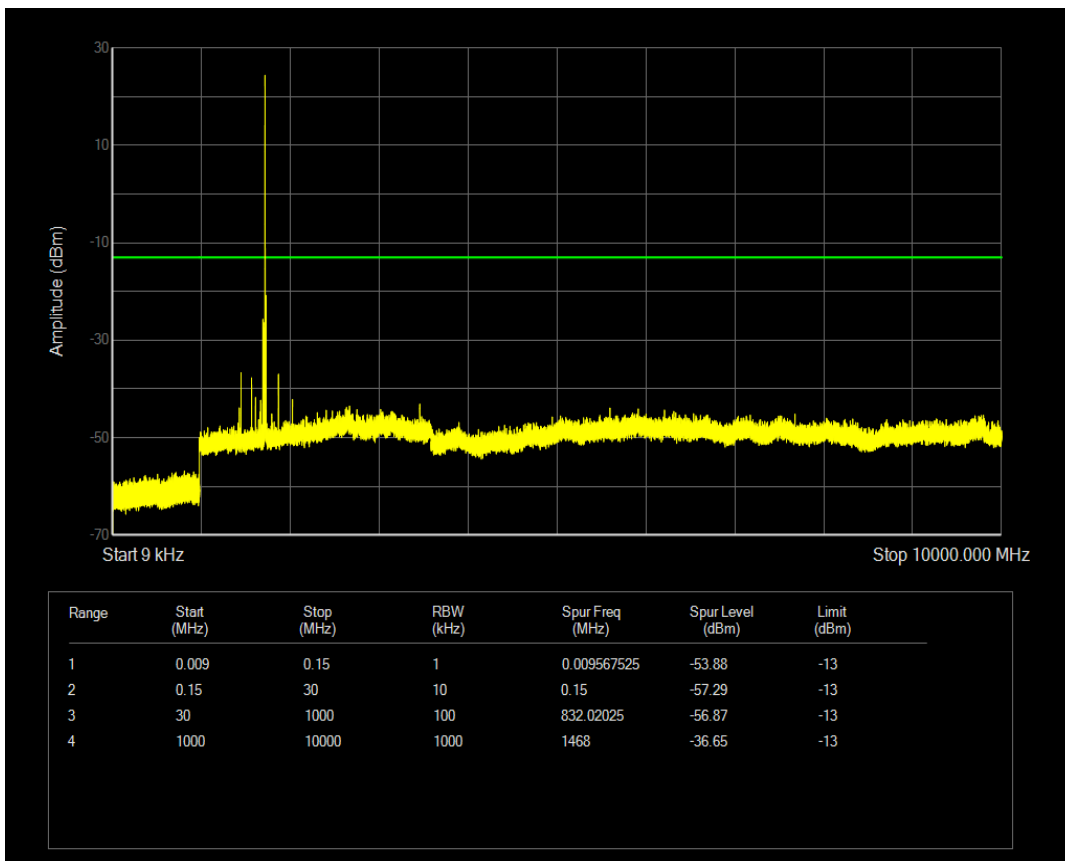
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0 NB Index=0



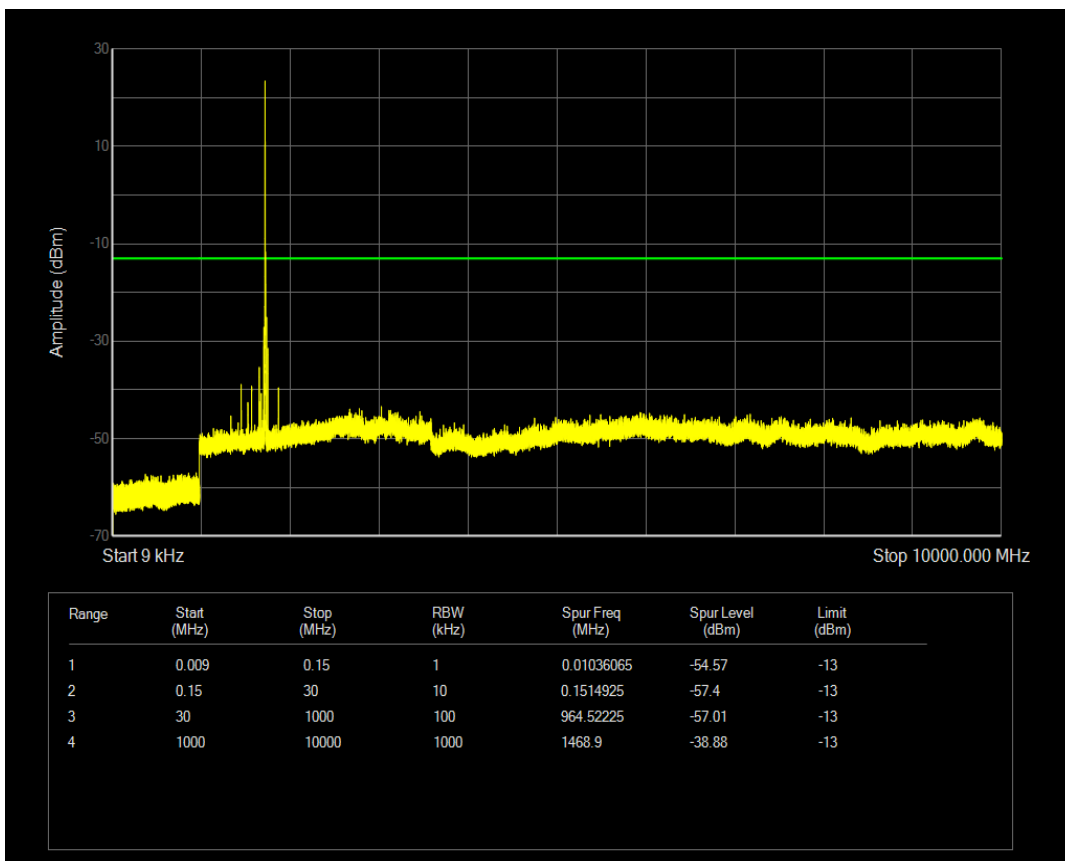
Band4 QPSK BW=20MHz Channel=20300 RB Size=6 Position=#0 NB Index=0



Band4 QAM16 BW=20MHz Channel=20300 RB Size=1 Position=#0 NB Index=0



Band4 QAM16 BW=20MHz Channel=20300 RB Size=6 Position=#0 NB Index=0



Appendix F Frequency stability

Band2:

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.83	-0.000447
		VN	TN	-1.87	-0.001008
		VH	TN	-2.61	-0.001413
	MCH	VL	TN	-3.99	-0.002121
		VN	TN	-2.08	-0.001107
		VH	TN	-4.18	-0.002223
	HCH	VL	TN	-0.35	-0.000183
		VN	TN	-0.60	-0.000312
		VH	TN	0.66	0.000345
16QAM	LCH	VL	TN	-2.26	-0.001220
		VN	TN	-1.40	-0.000759
		VH	TN	-1.43	-0.000772
	MCH	VL	TN	-2.11	-0.001124
		VN	TN	-3.63	-0.001930
		VH	TN	-3.04	-0.001617
	HCH	VL	TN	-1.80	-0.000940
		VN	TN	0.73	0.000381
		VH	TN	-0.28	-0.000145
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.05	0.000028
		VN	-20	-1.01	-0.000546
		VN	-10	-2.46	-0.001330
		VN	0	-3.99	-0.002157
		VN	10	-1.30	-0.000700
		VN	20	-3.48	-0.001881
		VN	30	-0.76	-0.000410
		VN	40	-0.12	-0.000067
		VN	50	1.95	0.001052
	MCH	VN	-30	-0.89	-0.000472
		VN	-20	-2.17	-0.001154
		VN	-10	-1.29	-0.000687
		VN	0	-2.76	-0.001471
		VN	10	-3.06	-0.001627
		VN	20	-2.61	-0.001389

		VN	30	-0.75	-0.000399
		VN	40	0.88	0.000469
		VN	50	0.63	0.000333
	HCH	VN	-30	0.14	0.000073
		VN	-20	-1.59	-0.000834
		VN	-10	-2.67	-0.001397
		VN	0	-1.66	-0.000868
		VN	10	-0.77	-0.000402
		VN	20	-0.60	-0.000312
		VN	30	-0.95	-0.000499
		VN	40	-0.01	-0.000004
		VN	50	0.98	0.000511
16QAM	LCH	VN	-30	0.41	0.000219
		VN	-20	-0.94	-0.000509
		VN	-10	-2.72	-0.001468
		VN	0	-4.20	-0.002271
		VN	10	-1.18	-0.000637
		VN	20	-4.18	-0.002258
		VN	30	-0.81	-0.000439
		VN	40	-0.56	-0.000303
		VN	50	1.47	0.000793
	MCH	VN	-30	-1.20	-0.000639
		VN	-20	-2.03	-0.001079
		VN	-10	-1.11	-0.000592
		VN	0	-2.37	-0.001261
		VN	10	-2.91	-0.001550
		VN	20	-2.96	-0.001576
		VN	30	-1.29	-0.000689
		VN	40	1.06	0.000562
		VN	50	1.04	0.000555
	HCH	VN	-30	-0.04	-0.000023
		VN	-20	-1.86	-0.000975
		VN	-10	-2.21	-0.001156
		VN	0	-1.71	-0.000897
		VN	10	-0.75	-0.000391
		VN	20	-0.34	-0.000180
		VN	30	-1.03	-0.000538
		VN	40	0.53	0.000276
		VN	50	0.25	0.000129

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.14	-0.000078
		VN	TN	-1.51	-0.000815
		VH	TN	-2.54	-0.001370
	MCH	VL	TN	-4.58	-0.002435
		VN	TN	-1.90	-0.001011
		VH	TN	-4.23	-0.002250
	HCH	VL	TN	-0.36	-0.000186
		VN	TN	-1.23	-0.000643
		VH	TN	0.55	0.000290
16QAM	LCH	VL	TN	-2.48	-0.001338
		VN	TN	-2.22	-0.001198
		VH	TN	-1.92	-0.001037
	MCH	VL	TN	-2.24	-0.001193
		VN	TN	-3.87	-0.002060
		VH	TN	-2.98	-0.001585
	HCH	VL	TN	-1.66	-0.000869
		VN	TN	0.77	0.000401
		VH	TN	-0.37	-0.000191
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	-0.17	-0.000091
		VN	-20	-1.73	-0.000936
		VN	-10	-2.02	-0.001089
		VN	0	-3.38	-0.001826
		VN	10	-1.30	-0.000702
		VN	20	-3.82	-0.002066
		VN	30	-0.22	-0.000119
		VN	40	-0.39	-0.000209
		VN	50	1.59	0.000859
	MCH	VN	-30	-0.88	-0.000470
		VN	-20	-1.80	-0.000957
		VN	-10	-0.71	-0.000376
		VN	0	-2.08	-0.001106
		VN	10	-2.68	-0.001428
		VN	20	-2.16	-0.001147
		VN	30	-1.08	-0.000573
		VN	40	1.07	0.000569
		VN	50	1.17	0.000623

	HCH	VN	-30	0.55	0.000290
		VN	-20	-1.92	-0.001008
		VN	-10	-1.97	-0.001031
		VN	0	-1.32	-0.000690
		VN	10	0.04	0.000022
		VN	20	-0.06	-0.000031
		VN	30	-1.02	-0.000534
		VN	40	0.74	0.000385
		VN	50	0.23	0.000119
QPSK	LCH	VN	-30	0.07	0.000038
		VN	-20	-0.94	-0.000508
		VN	-10	-2.44	-0.001319
		VN	0	-3.50	-0.001891
		VN	10	-1.26	-0.000681
		VN	20	-3.53	-0.001904
		VN	30	-1.16	-0.000628
		VN	40	0.25	0.000135
		VN	50	1.04	0.000561
	MCH	VN	-30	-0.90	-0.000478
		VN	-20	-2.16	-0.001147
		VN	-10	-0.95	-0.000506
		VN	0	-2.51	-0.001335
		VN	10	-2.76	-0.001470
		VN	20	-2.84	-0.001512
		VN	30	-1.04	-0.000551
		VN	40	0.93	0.000493
		VN	50	0.64	0.000343
	HCH	VN	-30	0.27	0.000143
		VN	-20	-0.96	-0.000502
		VN	-10	-2.63	-0.001380
		VN	0	-1.03	-0.000540
		VN	10	-0.39	-0.000207
		VN	20	-0.66	-0.000346
		VN	30	-0.87	-0.000454
		VN	40	0.30	0.000158
		VN	50	1.03	0.000542

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz
Voltage

Report

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.07	-0.000039
		VN	TN	-1.42	-0.000768
		VH	TN	-2.53	-0.001365
	MCH	VL	TN	-3.86	-0.002052
		VN	TN	-1.99	-0.001060
		VH	TN	-4.47	-0.002377
	HCH	VL	TN	-0.44	-0.000232
		VN	TN	-1.11	-0.000584
		VH	TN	1.18	0.000617
16QAM	LCH	VL	TN	-1.79	-0.000965
		VN	TN	-2.08	-0.001124
		VH	TN	-1.47	-0.000796
	MCH	VL	TN	-3.03	-0.001614
		VN	TN	-3.18	-0.001690
		VH	TN	-2.24	-0.001191
	HCH	VL	TN	-1.32	-0.000689
		VN	TN	0.55	0.000286
		VH	TN	0.07	0.000037

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.42	0.000226
		VN	-20	-1.33	-0.000716
		VN	-10	-2.12	-0.001143
		VN	0	-3.93	-0.002122
		VN	10	-1.98	-0.001071
		VN	20	-3.40	-0.001838
		VN	30	-0.22	-0.000118
		VN	40	-0.66	-0.000357
		VN	50	1.52	0.000820
	MCH	VN	-30	-1.23	-0.000652
		VN	-20	-1.65	-0.000876
		VN	-10	-1.12	-0.000594
		VN	0	-2.49	-0.001325
		VN	10	-2.44	-0.001300
		VN	20	-2.93	-0.001558
		VN	30	-1.24	-0.000659
		VN	40	1.03	0.000545
		VN	50	1.20	0.000640
HCH	VN	-30	0.05	0.000028	

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		VN	-20	-1.31	-0.000685
		VN	-10	-2.29	-0.001202
		VN	0	-1.20	-0.000630
		VN	10	0.02	0.000012
		VN	20	-0.24	-0.000126
		VN	30	-0.97	-0.000506
		VN	40	0.57	0.000296
		VN	50	0.57	0.000296
16QAM	LCH	VN	-30	-0.09	-0.000049
		VN	-20	-1.30	-0.000702
		VN	-10	-1.96	-0.001056
		VN	0	-3.81	-0.002058
		VN	10	-2.09	-0.001126
		VN	20	-3.63	-0.001960
		VN	30	-1.13	-0.000612
		VN	40	0.15	0.000082
		VN	50	1.31	0.000710
	MCH	VN	-30	-1.12	-0.000596
		VN	-20	-1.52	-0.000808
		VN	-10	-1.48	-0.000789
		VN	0	-2.21	-0.001175
		VN	10	-3.00	-0.001594
		VN	20	-2.92	-0.001551
		VN	30	-1.00	-0.000531
		VN	40	0.91	0.000482
		VN	50	0.49	0.000259
	HCH	VN	-30	0.37	0.000194
		VN	-20	-1.22	-0.000641
		VN	-10	-2.11	-0.001104
		VN	0	-1.42	-0.000744
		VN	10	-0.71	-0.000372
		VN	20	-0.26	-0.000136
		VN	30	-1.64	-0.000860
		VN	40	0.37	0.000195
		VN	50	0.61	0.000318

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.32	-0.000170
		VN	TN	-1.96	-0.001055
		VH	TN	-2.33	-0.001259
	MCH	VL	TN	-4.34	-0.002306
		VN	TN	-2.66	-0.001414
		VH	TN	-5.09	-0.002706
	HCH	VL	TN	-0.59	-0.000308
		VN	TN	-0.98	-0.000513
		VH	TN	0.38	0.000201
16QAM	LCH	VL	TN	-2.13	-0.001149
		VN	TN	-1.38	-0.000743
		VH	TN	-1.66	-0.000896
	MCH	VL	TN	-2.38	-0.001266
		VN	TN	-3.36	-0.001788
		VH	TN	-2.81	-0.001493
	HCH	VL	TN	-1.16	-0.000608
		VN	TN	-0.07	-0.000039
		VH	TN	-0.37	-0.000193
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
16QAM	LCH	VN	-30	0.43	0.000230
		VN	-20	-0.97	-0.000521
		VN	-10	-2.38	-0.001284
		VN	0	-4.18	-0.002254
		VN	10	-2.00	-0.001081
		VN	20	-4.31	-0.002325
		VN	30	-0.34	-0.000185
		VN	40	-0.12	-0.000063
	MCH	VN	50	1.79	0.000967
		VN	-30	-0.93	-0.000495
		VN	-20	-1.90	-0.001011
		VN	-10	-0.68	-0.000362
		VN	0	-2.72	-0.001449
		VN	10	-2.93	-0.001559
MCH	VN	20	-2.74	-0.001458	
	VN	30	-1.11	-0.000589	

		VN	40	1.47	0.000783
		VN	50	0.70	0.000370
	HCH	VN	-30	0.30	0.000158
		VN	-20	-1.20	-0.000630
		VN	-10	-1.93	-0.001012
		VN	0	-1.44	-0.000758
		VN	10	-0.85	-0.000444
		VN	20	-0.32	-0.000165
		VN	30	-1.69	-0.000889
		VN	40	0.17	0.000088
		VN	50	0.57	0.000298
QPSK	LCH	VN	-30	0.06	0.000033
		VN	-20	-1.16	-0.000627
		VN	-10	-2.33	-0.001254
		VN	0	-3.48	-0.001878
		VN	10	-2.14	-0.001153
		VN	20	-3.43	-0.001849
		VN	30	-1.17	-0.000630
		VN	40	-0.40	-0.000214
		VN	50	1.39	0.000751
	MCH	VN	-30	-1.42	-0.000754
		VN	-20	-1.70	-0.000906
		VN	-10	-0.64	-0.000340
		VN	0	-2.41	-0.001284
		VN	10	-2.41	-0.001281
		VN	20	-2.08	-0.001106
		VN	30	-0.86	-0.000458
		VN	40	1.41	0.000751
		VN	50	0.92	0.000487
	HCH	VN	-30	0.06	0.000033
		VN	-20	-1.60	-0.000837
		VN	-10	-1.96	-0.001026
		VN	0	-1.47	-0.000772
		VN	10	-0.40	-0.000208
		VN	20	-0.07	-0.000035
		VN	30	-1.49	-0.000783
		VN	40	0.32	0.000167
		VN	50	0.34	0.000176

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz

Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.78	-0.000423
		VN	TN	-1.56	-0.000838
		VH	TN	-2.20	-0.001183
	MCH	VL	TN	-4.39	-0.002337
		VN	TN	-2.10	-0.001116
		VH	TN	-4.75	-0.002526
	HCH	VL	TN	-0.77	-0.000406
		VN	TN	-1.34	-0.000707
		VH	TN	1.12	0.000590
16QAM	LCH	VL	TN	-1.98	-0.001063
		VN	TN	-1.52	-0.000817
		VH	TN	-2.10	-0.001131
	MCH	VL	TN	-2.58	-0.001373
		VN	TN	-2.97	-0.001577
		VH	TN	-2.33	-0.001242
	HCH	VL	TN	-1.34	-0.000704
		VN	TN	0.42	0.000222
		VH	TN	0.42	0.000221
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.47	0.000252
		VN	-20	-1.55	-0.000834
		VN	-10	-2.48	-0.001338
		VN	0	-3.70	-0.001993
		VN	10	-1.84	-0.000992
		VN	20	-3.40	-0.001833
		VN	30	-0.72	-0.000389
		VN	40	-0.36	-0.000196
		VN	50	1.66	0.000891
	MCH	VN	-30	-1.65	-0.000878
		VN	-20	-1.39	-0.000740
		VN	-10	-1.51	-0.000804
		VN	0	-2.29	-0.001217
		VN	10	-2.50	-0.001330
		VN	20	-2.39	-0.001271
		VN	30	-1.41	-0.000750
		VN	40	1.56	0.000829
		VN	50	0.55	0.000290

	HCH	VN	-30	0.55	0.000290
		VN	-20	-1.78	-0.000938
		VN	-10	-2.26	-0.001186
		VN	0	-1.53	-0.000805
		VN	10	-0.89	-0.000468
		VN	20	-0.27	-0.000143
		VN	30	-1.21	-0.000637
		VN	40	0.49	0.000257
		VN	50	0.17	0.000090
16QAM	LCH	VN	-30	0.44	0.000237
		VN	-20	-1.11	-0.000597
		VN	-10	-2.24	-0.001204
		VN	0	-3.54	-0.001906
		VN	10	-1.69	-0.000909
		VN	20	-3.55	-0.001912
		VN	30	-1.04	-0.000560
		VN	40	0.28	0.000152
		VN	50	1.45	0.000781
	MCH	VN	-30	-0.95	-0.000507
		VN	-20	-1.44	-0.000764
		VN	-10	-1.58	-0.000838
		VN	0	-2.58	-0.001370
		VN	10	-2.41	-0.001282
		VN	20	-3.02	-0.001609
		VN	30	-1.05	-0.000561
		VN	40	1.54	0.000821
		VN	50	0.85	0.000451
	HCH	VN	-30	-0.04	-0.000022
		VN	-20	-1.87	-0.000985
		VN	-10	-2.52	-0.001323
		VN	0	-1.32	-0.000696
		VN	10	-0.15	-0.000081
		VN	20	-0.40	-0.000208
		VN	30	-1.46	-0.000769
		VN	40	0.60	0.000315
		VN	50	0.64	0.000337

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz
Voltage

Report

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.52	-0.000281
		VN	TN	-1.63	-0.000877
		VH	TN	-2.04	-0.001095
	MCH	VL	TN	-4.67	-0.002484
		VN	TN	-2.53	-0.001344
		VH	TN	-4.47	-0.002378
	HCH	VL	TN	-0.76	-0.000400
		VN	TN	-1.01	-0.000530
		VH	TN	0.74	0.000392
16QAM	LCH	VL	TN	-1.61	-0.000867
		VN	TN	-2.12	-0.001140
		VH	TN	-2.35	-0.001263
	MCH	VL	TN	-2.83	-0.001504
		VN	TN	-3.44	-0.001831
		VH	TN	-2.47	-0.001315
	HCH	VL	TN	-1.16	-0.000609
		VN	TN	0.05	0.000026
		VH	TN	-0.32	-0.000168

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.17	0.000089
		VN	-20	-1.64	-0.000881
		VN	-10	-1.90	-0.001024
		VN	0	-3.64	-0.001958
		VN	10	-1.35	-0.000726
		VN	20	-3.83	-0.002059
		VN	30	-0.68	-0.000364
		VN	40	-0.33	-0.000177
		VN	50	1.53	0.000822
	MCH	VN	-30	-1.59	-0.000844
		VN	-20	-1.64	-0.000870
		VN	-10	-1.20	-0.000638
		VN	0	-2.52	-0.001339
		VN	10	-2.84	-0.001512
		VN	20	-2.97	-0.001579
		VN	30	-0.70	-0.000370
		VN	40	1.00	0.000533
		VN	50	0.80	0.000428
	HCH	VN	-30	-0.04	-0.000019

		VN	-20	-1.41	-0.000740
		VN	-10	-1.91	-0.001003
		VN	0	-1.15	-0.000608
		VN	10	-0.44	-0.000232
		VN	20	0.00	-0.000002
		VN	30	-1.43	-0.000751
		VN	40	0.50	0.000262
		VN	50	0.37	0.000196
16QAM	LCH	VN	-30	0.35	0.000190
		VN	-20	-1.18	-0.000633
		VN	-10	-2.01	-0.001083
		VN	0	-3.33	-0.001790
		VN	10	-1.17	-0.000626
		VN	20	-3.83	-0.002057
		VN	30	-0.94	-0.000504
		VN	40	0.20	0.000105
		VN	50	1.80	0.000969
	MCH	VN	-30	-1.17	-0.000621
		VN	-20	-2.13	-0.001134
		VN	-10	-0.92	-0.000490
		VN	0	-2.06	-0.001094
		VN	10	-2.95	-0.001571
		VN	20	-2.08	-0.001105
		VN	30	-0.67	-0.000355
		VN	40	1.44	0.000768
		VN	50	1.00	0.000531
	HCH	VN	-30	0.37	0.000196
		VN	-20	-1.78	-0.000938
		VN	-10	-2.15	-0.001133
		VN	0	-1.52	-0.000801
		VN	10	0.06	0.000031
		VN	20	-0.33	-0.000172
		VN	30	-1.69	-0.000888
		VN	40	0.91	0.000481
		VN	50	0.67	0.000355

Band4:

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)

Report

QPSK	LCH	VL	TN	-0.19	-0.000109
		VN	TN	-1.63	-0.000953
		VH	TN	-1.88	-0.001097
	MCH	VL	TN	-4.68	-0.002704
		VN	TN	-1.89	-0.001089
		VH	TN	-4.89	-0.002820
	HCH	VL	TN	-0.52	-0.000298
		VN	TN	-1.30	-0.000739
		VH	TN	1.02	0.000582
16QAM	LCH	VL	TN	-1.85	-0.001081
		VN	TN	-1.95	-0.001142
		VH	TN	-1.78	-0.001038
	MCH	VL	TN	-3.04	-0.001757
		VN	TN	-3.88	-0.002241
		VH	TN	-3.11	-0.001795
	HCH	VL	TN	-1.12	-0.000639
		VN	TN	0.43	0.000246
		VH	TN	0.32	0.000180
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.42	0.000246
		VN	-20	-1.61	-0.000938
		VN	-10	-2.61	-0.001528
		VN	0	-3.37	-0.001972
		VN	10	-2.10	-0.001230
		VN	20	-4.36	-0.002551
		VN	30	-1.02	-0.000597
		VN	40	-0.18	-0.000105
		VN	50	1.47	0.000857
	MCH	VN	-30	-1.41	-0.000811
		VN	-20	-2.12	-0.001221
		VN	-10	-0.85	-0.000490
		VN	0	-2.09	-0.001206
		VN	10	-2.72	-0.001572
		VN	20	-2.35	-0.001358
		VN	30	-1.65	-0.000952
		VN	40	1.05	0.000605
		VN	50	1.04	0.000600
	HCH	VN	-30	0.64	0.000368
		VN	-20	-1.70	-0.000971
		VN	-10	-2.38	-0.001356

		VN	0	-1.44	-0.000819
		VN	10	-0.18	-0.000103
		VN	20	0.14	0.000080
		VN	30	-1.07	-0.000610
		VN	40	0.08	0.000044
		VN	50	0.85	0.000486
16QAM	LCH	VN	-30	-0.16	-0.000095
		VN	-20	-1.74	-0.001020
		VN	-10	-2.05	-0.001201
		VN	0	-3.51	-0.002050
		VN	10	-1.98	-0.001160
		VN	20	-4.13	-0.002411
		VN	30	-0.94	-0.000551
		VN	40	-0.22	-0.000127
		VN	50	1.11	0.000647
	MCH	VN	-30	-1.31	-0.000758
		VN	-20	-1.63	-0.000940
		VN	-10	-0.93	-0.000540
		VN	0	-2.36	-0.001363
		VN	10	-2.81	-0.001621
		VN	20	-2.80	-0.001617
		VN	30	-1.24	-0.000718
		VN	40	1.78	0.001025
		VN	50	0.68	0.000395
	HCH	VN	-30	-0.06	-0.000036
		VN	-20	-0.95	-0.000541
		VN	-10	-1.94	-0.001106
		VN	0	-1.01	-0.000574
		VN	10	-0.65	-0.000372
		VN	20	-0.71	-0.000406
		VN	30	-1.59	-0.000906
		VN	40	0.67	0.000379
		VN	50	0.41	0.000236

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.37	-0.000216
		VN	TN	-1.44	-0.000840

	MCH	VH	TN	-2.56	-0.001497	
		VL	TN	-3.92	-0.002265	
		VN	TN	-1.88	-0.001085	
	HCH	VH	TN	-4.41	-0.002548	
		VL	TN	-0.47	-0.000266	
		VN	TN	-0.71	-0.000407	
	16QAM	LCH	VH	TN	0.45	0.000257
			VL	TN	-2.16	-0.001263
			VN	TN	-1.62	-0.000947
MCH		VH	TN	-2.08	-0.001214	
		VL	TN	-2.28	-0.001317	
		VN	TN	-3.85	-0.002220	
HCH		VH	TN	-2.87	-0.001656	
		VL	TN	-2.04	-0.001162	
		VN	TN	0.43	0.000244	
		VH	TN	0.05	0.000030	
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	
QPSK	LCH	VN	-30	0.63	0.000368	
		VN	-20	-1.81	-0.001059	
		VN	-10	-2.05	-0.001198	
		VN	0	-3.55	-0.002076	
		VN	10	-1.39	-0.000813	
		VN	20	-3.98	-0.002324	
		VN	30	-0.53	-0.000312	
		VN	40	0.11	0.000066	
		VN	50	1.74	0.001015	
	MCH	VN	-30	-1.32	-0.000760	
		VN	-20	-1.56	-0.000900	
		VN	-10	-1.55	-0.000897	
		VN	0	-2.58	-0.001487	
		VN	10	-2.20	-0.001269	
		VN	20	-2.61	-0.001508	
		VN	30	-0.89	-0.000514	
		VN	40	1.04	0.000603	
		VN	50	1.20	0.000695	
	HCH	VN	-30	-0.04	-0.000023	
		VN	-20	-0.98	-0.000556	
		VN	-10	-2.40	-0.001368	
		VN	0	-1.63	-0.000930	
		VN	10	-0.05	-0.000031	

		VN	20	-0.57	-0.000325
		VN	30	-0.93	-0.000530
		VN	40	0.37	0.000210
		VN	50	0.35	0.000200
QPSK	LCH	VN	-30	0.16	0.000096
		VN	-20	-1.77	-0.001034
		VN	-10	-2.62	-0.001529
		VN	0	-3.40	-0.001985
		VN	10	-1.93	-0.001129
		VN	20	-3.83	-0.002240
		VN	30	-1.06	-0.000622
		VN	40	-0.28	-0.000161
		VN	50	1.72	0.001003
	MCH	VN	-30	-1.70	-0.000984
		VN	-20	-2.17	-0.001250
		VN	-10	-1.12	-0.000646
		VN	0	-2.79	-0.001610
		VN	10	-2.80	-0.001613
		VN	20	-2.84	-0.001638
		VN	30	-1.03	-0.000594
		VN	40	1.22	0.000704
		VN	50	0.50	0.000288
	HCH	VN	-30	0.45	0.000257
		VN	-20	-1.46	-0.000830
		VN	-10	-2.61	-0.001491
		VN	0	-1.28	-0.000729
		VN	10	-0.77	-0.000438
		VN	20	-0.36	-0.000205
		VN	30	-1.03	-0.000588
		VN	40	0.76	0.000435
		VN	50	1.01	0.000576

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	0.10	0.000056
		VN	TN	-2.18	-0.001273
		VH	TN	-2.59	-0.001512
	MCH	VL	TN	-4.75	-0.002741

		VN	TN	-2.53	-0.001458
		VH	TN	-4.86	-0.002804
	HCH	VL	TN	-1.10	-0.000627
		VN	TN	-0.74	-0.000423
		VH	TN	1.16	0.000663
16QAM	LCH	VL	TN	-1.91	-0.001117
		VN	TN	-1.79	-0.001044
		VH	TN	-2.30	-0.001344
	MCH	VL	TN	-2.80	-0.001614
		VN	TN	-3.59	-0.002070
		VH	TN	-2.31	-0.001332
	HCH	VL	TN	-1.23	-0.000700
		VN	TN	0.72	0.000413
		VH	TN	0.57	0.000324
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	-0.15	-0.000090
		VN	-20	-1.77	-0.001035
		VN	-10	-2.47	-0.001443
		VN	0	-3.40	-0.001985
		VN	10	-1.16	-0.000677
		VN	20	-3.97	-0.002321
		VN	30	-1.15	-0.000671
		VN	40	-0.05	-0.000029
		VN	50	1.58	0.000920
	MCH	VN	-30	-1.70	-0.000982
		VN	-20	-1.43	-0.000823
		VN	-10	-1.19	-0.000688
		VN	0	-2.60	-0.001502
		VN	10	-2.23	-0.001287
		VN	20	-2.98	-0.001720
		VN	30	-0.69	-0.000396
		VN	40	1.09	0.000631
		VN	50	1.40	0.000809
	HCH	VN	-30	0.09	0.000049
		VN	-20	-1.14	-0.000651
		VN	-10	-2.55	-0.001453
		VN	0	-1.07	-0.000610
		VN	10	-0.44	-0.000252
		VN	20	-0.70	-0.000399
		VN	30	-1.27	-0.000727

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		VN	40	0.77	0.000439	
		VN	50	0.93	0.000530	
16QAM	LCH	VN	-30	0.36	0.000210	
		VN	-20	-1.84	-0.001073	
		VN	-10	-1.77	-0.001031	
		VN	0	-3.63	-0.002117	
		VN	10	-1.30	-0.000760	
		VN	20	-4.11	-0.002403	
		VN	30	-0.41	-0.000237	
		VN	40	-0.31	-0.000181	
		VN	50	1.73	0.001008	
		MCH	VN	-30	-0.77	-0.000443
			VN	-20	-1.73	-0.000998
	VN		-10	-1.34	-0.000775	
	VN		0	-2.33	-0.001346	
	VN		10	-2.37	-0.001368	
	VN		20	-2.42	-0.001398	
	VN		30	-1.25	-0.000719	
	VN		40	1.33	0.000766	
	VN		50	0.99	0.000570	
	HCH	VN	-30	0.47	0.000268	
		VN	-20	-1.01	-0.000576	
		VN	-10	-2.20	-0.001256	
		VN	0	-1.68	-0.000961	
		VN	10	-0.18	-0.000104	
		VN	20	0.11	0.000062	
		VN	30	-1.26	-0.000721	
		VN	40	0.13	0.000073	
		VN	50	1.13	0.000644	

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.14	-0.000084
		VN	TN	-2.31	-0.001346
		VH	TN	-2.55	-0.001485
	MCH	VL	TN	-4.40	-0.002538
		VN	TN	-1.79	-0.001033
		VH	TN	-4.98	-0.002872
	HCH	VL	TN	-0.89	-0.000506
		VN	TN	-0.52	-0.000298
		VH	TN	0.82	0.000466
16QAM	LCH	VL	TN	-1.93	-0.001126
		VN	TN	-2.21	-0.001288
		VH	TN	-2.27	-0.001322
	MCH	VL	TN	-2.17	-0.001253
		VN	TN	-3.63	-0.002092
		VH	TN	-2.27	-0.001312
	HCH	VL	TN	-1.21	-0.000694
		VN	TN	0.11	0.000064
		VH	TN	-0.37	-0.000211
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
16QAM	LCH	VN	-30	0.57	0.000333
		VN	-20	-1.77	-0.001034
		VN	-10	-2.60	-0.001515
		VN	0	-3.70	-0.002160
		VN	10	-1.62	-0.000942
		VN	20	-3.74	-0.002182
		VN	30	-0.41	-0.000240
		VN	40	0.10	0.000058
	MCH	VN	50	1.22	0.000711
		VN	-30	-1.63	-0.000938
		VN	-20	-2.03	-0.001170
		VN	-10	-1.33	-0.000766
		VN	0	-2.72	-0.001570
		VN	10	-2.86	-0.001653
		VN	20	-2.56	-0.001479
		VN	30	-1.43	-0.000824

		VN	40	1.24	0.000714
		VN	50	0.68	0.000394
	HCH	VN	-30	-0.21	-0.000119
		VN	-20	-1.18	-0.000676
		VN	-10	-2.70	-0.001545
		VN	0	-1.05	-0.000601
		VN	10	-0.36	-0.000208
		VN	20	-0.02	-0.000013
		VN	30	-1.68	-0.000958
		VN	40	0.92	0.000528
		VN	50	1.08	0.000619
QPSK	LCH	VN	-30	0.45	0.000263
		VN	-20	-1.62	-0.000942
		VN	-10	-2.64	-0.001537
		VN	0	-3.71	-0.002164
		VN	10	-1.69	-0.000987
		VN	20	-3.83	-0.002232
		VN	30	-0.68	-0.000394
		VN	40	-0.37	-0.000219
		VN	50	1.91	0.001114
	MCH	VN	-30	-0.98	-0.000568
		VN	-20	-1.49	-0.000861
		VN	-10	-1.23	-0.000709
		VN	0	-2.70	-0.001558
		VN	10	-3.09	-0.001782
		VN	20	-2.39	-0.001380
		VN	30	-1.00	-0.000576
		VN	40	1.07	0.000619
		VN	50	1.19	0.000685
	HCH	VN	-30	-0.28	-0.000162
		VN	-20	-1.86	-0.001061
		VN	-10	-2.14	-0.001226
		VN	0	-1.68	-0.000963
		VN	10	-0.76	-0.000434
		VN	20	-0.20	-0.000117
		VN	30	-0.75	-0.000429
		VN	40	0.35	0.000203
		VN	50	0.78	0.000444

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz

Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.10	-0.000056
		VN	TN	-1.71	-0.000997
		VH	TN	-2.74	-0.001593
	MCH	VL	TN	-4.31	-0.002489
		VN	TN	-2.62	-0.001514
		VH	TN	-4.71	-0.002717
	HCH	VL	TN	-0.65	-0.000371
		VN	TN	-0.65	-0.000369
		VH	TN	0.34	0.000196
16QAM	LCH	VL	TN	-1.54	-0.000894
		VN	TN	-1.68	-0.000976
		VH	TN	-1.66	-0.000968
	MCH	VL	TN	-2.60	-0.001503
		VN	TN	-3.03	-0.001747
		VH	TN	-2.84	-0.001638
	HCH	VL	TN	-1.25	-0.000715
		VN	TN	0.16	0.000089
		VH	TN	0.40	0.000229
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.57	0.000332
		VN	-20	-1.52	-0.000886
		VN	-10	-2.62	-0.001526
		VN	0	-3.39	-0.001971
		VN	10	-1.97	-0.001148
		VN	20	-3.80	-0.002213
		VN	30	-0.80	-0.000463
		VN	40	-0.11	-0.000062
	MCH	VN	50	1.13	0.000660
		VN	-30	-1.74	-0.001003
		VN	-20	-2.13	-0.001232
		VN	-10	-0.71	-0.000411
		VN	0	-2.92	-0.001684
		VN	10	-2.19	-0.001264
		VN	20	-2.25	-0.001298
		VN	30	-1.16	-0.000672
	VN	40	1.31	0.000756	
	VN	50	0.95	0.000547	

	HCH	VN	-30	0.61	0.000351
		VN	-20	-1.63	-0.000932
		VN	-10	-1.97	-0.001128
		VN	0	-0.96	-0.000547
		VN	10	-0.26	-0.000148
		VN	20	-0.52	-0.000297
		VN	30	-0.74	-0.000422
		VN	40	0.53	0.000302
		VN	50	0.95	0.000545
16QAM	LCH	VN	-30	0.37	0.000214
		VN	-20	-1.04	-0.000603
		VN	-10	-2.24	-0.001305
		VN	0	-4.14	-0.002410
		VN	10	-1.86	-0.001082
		VN	20	-3.72	-0.002168
		VN	30	-0.53	-0.000310
		VN	40	0.00	0.000002
		VN	50	1.04	0.000607
	MCH	VN	-30	-1.72	-0.000990
		VN	-20	-2.22	-0.001283
		VN	-10	-1.49	-0.000860
		VN	0	-2.11	-0.001217
		VN	10	-2.81	-0.001621
		VN	20	-2.79	-0.001613
		VN	30	-1.57	-0.000908
		VN	40	1.16	0.000672
		VN	50	0.65	0.000377
	HCH	VN	-30	0.08	0.000048
		VN	-20	-1.10	-0.000631
		VN	-10	-2.42	-0.001385
		VN	0	-0.83	-0.000477
		VN	10	-0.52	-0.000298
		VN	20	0.08	0.000045
		VN	30	-1.01	-0.000577
		VN	40	0.17	0.000098
		VN	50	0.59	0.000340

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz
Voltage

Report

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	0.01	0.000007
		VN	TN	-2.17	-0.001259
		VH	TN	-2.41	-0.001402
	MCH	VL	TN	-4.49	-0.002591
		VN	TN	-1.76	-0.001018
		VH	TN	-5.10	-0.002946
	HCH	VL	TN	-0.50	-0.000284
		VN	TN	-0.85	-0.000490
		VH	TN	0.37	0.000212
16QAM	LCH	VL	TN	-1.69	-0.000984
		VN	TN	-1.91	-0.001108
		VH	TN	-2.31	-0.001342
	MCH	VL	TN	-2.79	-0.001609
		VN	TN	-3.66	-0.002110
		VH	TN	-2.75	-0.001590
	HCH	VL	TN	-1.62	-0.000930
		VN	TN	0.85	0.000484
		VH	TN	-0.16	-0.000091
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.09	0.000050
		VN	-20	-1.61	-0.000935
		VN	-10	-2.49	-0.001446
		VN	0	-4.17	-0.002427
		VN	10	-1.68	-0.000978
		VN	20	-3.72	-0.002164
		VN	30	-0.38	-0.000219
		VN	40	-0.53	-0.000311
		VN	50	1.04	0.000606
	MCH	VN	-30	-1.14	-0.000656
		VN	-20	-1.38	-0.000798
		VN	-10	-1.08	-0.000623
		VN	0	-2.90	-0.001675
		VN	10	-2.66	-0.001534
		VN	20	-2.73	-0.001576
		VN	30	-1.13	-0.000652
		VN	40	0.85	0.000492
		VN	50	1.15	0.000665
HCH	VN	-30	0.15	0.000085	

		VN	-20	-1.64	-0.000942
		VN	-10	-2.63	-0.001507
		VN	0	-1.50	-0.000862
		VN	10	-0.20	-0.000112
		VN	20	-0.24	-0.000140
		VN	30	-0.94	-0.000539
		VN	40	0.18	0.000102
		VN	50	0.53	0.000302
16QAM	LCH	VN	-30	0.65	0.000377
		VN	-20	-1.29	-0.000748
		VN	-10	-2.14	-0.001243
		VN	0	-3.41	-0.001981
		VN	10	-1.57	-0.000912
		VN	20	-3.62	-0.002105
		VN	30	-0.23	-0.000134
		VN	40	-0.09	-0.000052
		VN	50	1.14	0.000660
	MCH	VN	-30	-1.52	-0.000878
		VN	-20	-1.72	-0.000993
		VN	-10	-1.59	-0.000915
		VN	0	-2.09	-0.001208
		VN	10	-2.18	-0.001259
		VN	20	-2.96	-0.001709
		VN	30	-0.77	-0.000442
		VN	40	0.85	0.000490
		VN	50	1.31	0.000755
	HCH	VN	-30	0.58	0.000332
		VN	-20	-1.32	-0.000755
		VN	-10	-2.04	-0.001170
		VN	0	-1.51	-0.000864
		VN	10	-0.24	-0.000135
		VN	20	-0.31	-0.000175
		VN	30	-1.43	-0.000817
		VN	40	0.14	0.000081
		VN	50	1.00	0.000570

Band 12

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)

Report

QPSK	LCH	VL	TN	0.07	0.000104
		VN	TN	-1.43	-0.002042
		VH	TN	-2.05	-0.002933
	MCH	VL	TN	-3.85	-0.005435
		VN	TN	-2.18	-0.003087
		VH	TN	-4.43	-0.006266
	HCH	VL	TN	-0.72	-0.001011
		VN	TN	-0.78	-0.001093
		VH	TN	0.50	0.000697
16QAM	LCH	VL	TN	-1.99	-0.002841
		VN	TN	-1.62	-0.002322
		VH	TN	-2.32	-0.003319
	MCH	VL	TN	-2.63	-0.003723
		VN	TN	-3.78	-0.005350
		VH	TN	-2.43	-0.003431
	HCH	VL	TN	-1.66	-0.002319
		VN	TN	0.09	0.000127
		VH	TN	-0.12	-0.000163
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.59	0.000837
		VN	-20	-1.32	-0.001883
		VN	-10	-2.68	-0.003833
		VN	0	-3.57	-0.005102
		VN	10	-1.74	-0.002487
		VN	20	-3.86	-0.005511
		VN	30	-0.50	-0.000719
		VN	40	-0.39	-0.000552
		VN	50	1.51	0.002163
	MCH	VN	-30	-1.38	-0.001954
		VN	-20	-1.87	-0.002638
		VN	-10	-1.15	-0.001620
		VN	0	-2.26	-0.003193
		VN	10	-2.96	-0.004190
		VN	20	-2.41	-0.003407
		VN	30	-1.14	-0.001615
		VN	40	1.40	0.001977
		VN	50	1.43	0.002020
	HCH	VN	-30	0.56	0.000785
		VN	-20	-1.08	-0.001513
		VN	-10	-2.54	-0.003546

		VN	0	-1.29	-0.001810
		VN	10	0.05	0.000064
		VN	20	-0.28	-0.000389
		VN	30	-0.88	-0.001230
		VN	40	-0.04	-0.000049
		VN	50	0.52	0.000726
16QAM	LCH	VN	-30	-0.13	-0.000181
		VN	-20	-1.00	-0.001436
		VN	-10	-1.79	-0.002561
		VN	0	-3.58	-0.005110
		VN	10	-1.17	-0.001671
		VN	20	-4.29	-0.006130
		VN	30	-0.98	-0.001407
		VN	40	-0.46	-0.000655
		VN	50	1.71	0.002440
	MCH	VN	-30	-1.58	-0.002240
		VN	-20	-2.27	-0.003214
		VN	-10	-1.34	-0.001901
		VN	0	-2.79	-0.003943
		VN	10	-2.63	-0.003717
		VN	20	-2.79	-0.003938
		VN	30	-1.24	-0.001757
		VN	40	1.53	0.002156
		VN	50	0.53	0.000746
	HCH	VN	-30	0.44	0.000611
		VN	-20	-1.32	-0.001843
		VN	-10	-2.43	-0.003404
		VN	0	-1.39	-0.001938
		VN	10	0.03	0.000041
		VN	20	-0.48	-0.000665
		VN	30	-0.94	-0.001317
		VN	40	0.04	0.000050
		VN	50	0.37	0.000512

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.43	-0.000620
		VN	TN	-1.94	-0.002775

	MCH	VH	TN	-2.10	-0.002995
		VL	TN	-3.79	-0.005360
		VN	TN	-1.86	-0.002624
		VH	TN	-5.00	-0.007074
	HCH	VL	TN	-0.57	-0.000805
		VN	TN	-0.98	-0.001376
		VH	TN	1.20	0.001683
16QAM	LCH	VL	TN	-2.26	-0.003230
		VN	TN	-1.77	-0.002532
		VH	TN	-2.08	-0.002974
	MCH	VL	TN	-2.73	-0.003862
		VN	TN	-3.46	-0.004887
		VH	TN	-2.44	-0.003449
	HCH	VL	TN	-1.39	-0.001939
		VN	TN	0.44	0.000616
		VH	TN	-0.10	-0.000143
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.13	0.000184
		VN	-20	-1.70	-0.002430
		VN	-10	-2.32	-0.003314
		VN	0	-3.87	-0.005519
		VN	10	-1.99	-0.002840
		VN	20	-3.50	-0.004990
		VN	30	-1.17	-0.001668
		VN	40	0.12	0.000176
		VN	50	1.03	0.001466
	MCH	VN	-30	-1.27	-0.001795
		VN	-20	-1.89	-0.002676
		VN	-10	-1.47	-0.002072
		VN	0	-2.55	-0.003599
		VN	10	-2.94	-0.004155
		VN	20	-2.27	-0.003213
		VN	30	-1.42	-0.002011
		VN	40	0.90	0.001268
		VN	50	0.93	0.001311
	HCH	VN	-30	-0.03	-0.000048
		VN	-20	-1.35	-0.001883
		VN	-10	-2.24	-0.003139
		VN	0	-1.22	-0.001707
		VN	10	0.07	0.000096

		VN	20	-0.08	-0.000117
		VN	30	-1.64	-0.002290
		VN	40	0.63	0.000881
		VN	50	0.51	0.000709
QPSK	LCH	VN	-30	-0.26	-0.000375
		VN	-20	-1.85	-0.002637
		VN	-10	-2.28	-0.003249
		VN	0	-3.61	-0.005148
		VN	10	-1.94	-0.002776
		VN	20	-3.73	-0.005319
		VN	30	-0.39	-0.000552
		VN	40	-0.50	-0.000713
		VN	50	1.93	0.002751
	MCH	VN	-30	-1.37	-0.001942
		VN	-20	-2.19	-0.003090
		VN	-10	-0.99	-0.001403
		VN	0	-2.78	-0.003925
		VN	10	-2.83	-0.004001
		VN	20	-2.77	-0.003913
		VN	30	-1.14	-0.001615
		VN	40	1.48	0.002093
		VN	50	0.54	0.000768
	HCH	VN	-30	0.60	0.000845
		VN	-20	-1.44	-0.002018
		VN	-10	-2.28	-0.003195
		VN	0	-1.58	-0.002216
		VN	10	-0.15	-0.000205
		VN	20	-0.56	-0.000790
		VN	30	-1.67	-0.002336
		VN	40	0.50	0.000703
		VN	50	0.58	0.000814

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.84	-0.001194
		VN	TN	-1.69	-0.002412
		VH	TN	-2.52	-0.003586
	MCH	VL	TN	-4.31	-0.006089

	HCH	VN	TN	-2.18	-0.003084
		VH	TN	-4.76	-0.006727
		VL	TN	-0.38	-0.000534
		VN	TN	-1.22	-0.001704
		VH	TN	0.92	0.001294
16QAM	LCH	VL	TN	-2.28	-0.003244
		VN	TN	-2.01	-0.002863
		VH	TN	-2.09	-0.002972
	MCH	VL	TN	-2.42	-0.003418
		VN	TN	-3.67	-0.005180
		VH	TN	-2.65	-0.003752
	HCH	VL	TN	-1.47	-0.002062
		VN	TN	0.73	0.001030
		VH	TN	-0.30	-0.000419
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	-0.27	-0.000388
		VN	-20	-1.62	-0.002310
		VN	-10	-1.91	-0.002722
		VN	0	-3.99	-0.005683
		VN	10	-1.96	-0.002789
		VN	20	-4.09	-0.005832
		VN	30	-1.16	-0.001651
		VN	40	-0.62	-0.000877
		VN	50	1.83	0.002613
	MCH	VN	-30	-1.43	-0.002018
		VN	-20	-2.17	-0.003061
		VN	-10	-0.93	-0.001319
		VN	0	-2.72	-0.003846
		VN	10	-2.88	-0.004073
		VN	20	-2.26	-0.003190
		VN	30	-1.59	-0.002241
		VN	40	1.63	0.002309
		VN	50	0.59	0.000832
	HCH	VN	-30	0.45	0.000626
		VN	-20	-1.14	-0.001600
		VN	-10	-1.91	-0.002673
		VN	0	-1.13	-0.001588
		VN	10	-0.18	-0.000256
		VN	20	-0.21	-0.000292
		VN	30	-1.25	-0.001751

		VN	40	0.53	0.000742	
		VN	50	0.83	0.001166	
16QAM	LCH	VN	-30	-0.16	-0.000230	
		VN	-20	-1.81	-0.002585	
		VN	-10	-1.96	-0.002788	
		VN	0	-3.88	-0.005533	
		VN	10	-1.20	-0.001711	
		VN	20	-4.28	-0.006104	
		VN	30	-0.27	-0.000379	
		VN	40	-0.33	-0.000466	
		VN	50	0.99	0.001415	
		MCH	VN	-30	-1.41	-0.001989
			VN	-20	-1.87	-0.002646
	VN		-10	-0.76	-0.001072	
	VN		0	-2.35	-0.003318	
	VN		10	-3.09	-0.004365	
	VN		20	-2.54	-0.003588	
	VN		30	-1.47	-0.002077	
	VN		40	1.75	0.002466	
	VN		50	0.95	0.001344	
	HCH	VN	-30	0.01	0.000017	
		VN	-20	-1.32	-0.001845	
		VN	-10	-2.67	-0.003740	
		VN	0	-1.73	-0.002419	
		VN	10	-0.44	-0.000619	
		VN	20	0.03	0.000043	
		VN	30	-0.80	-0.001121	
		VN	40	-0.02	-0.000029	
		VN	50	0.24	0.000332	

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.77	-0.001099
		VN	TN	-2.16	-0.003065
		VH	TN	-2.28	-0.003244
	MCH	VL	TN	-4.51	-0.006373
		VN	TN	-2.67	-0.003774
		VH	TN	-4.38	-0.006186
	HCH	VL	TN	-0.59	-0.000837
		VN	TN	-1.23	-0.001737
		VH	TN	1.04	0.001461
16QAM	LCH	VL	TN	-2.37	-0.003371
		VN	TN	-2.24	-0.003180
		VH	TN	-1.94	-0.002760
	MCH	VL	TN	-2.44	-0.003444
		VN	TN	-3.34	-0.004725
		VH	TN	-2.54	-0.003586
	HCH	VL	TN	-1.85	-0.002601
		VN	TN	0.51	0.000719
		VH	TN	-0.18	-0.000255
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
16QAM	LCH	VN	-30	-0.27	-0.000383
		VN	-20	-1.46	-0.002072
		VN	-10	-2.68	-0.003808
		VN	0	-3.67	-0.005210
		VN	10	-2.03	-0.002881
		VN	20	-3.91	-0.005551
		VN	30	-0.35	-0.000504
		VN	40	0.18	0.000255
		VN	50	1.95	0.002768
	MCH	VN	-30	-1.52	-0.002145
		VN	-20	-2.18	-0.003082
		VN	-10	-1.07	-0.001515
		VN	0	-2.01	-0.002848
		VN	10	-2.16	-0.003048
		VN	20	-2.85	-0.004033
VN	30	-1.61	-0.002277		

		VN	40	1.69	0.002395
		VN	50	0.54	0.000762
	HCH	VN	-30	-0.04	-0.000050
		VN	-20	-1.48	-0.002082
		VN	-10	-2.28	-0.003204
		VN	0	-1.28	-0.001799
		VN	10	-0.68	-0.000958
		VN	20	-0.48	-0.000669
		VN	30	-1.62	-0.002275
		VN	40	0.86	0.001203
		VN	50	0.54	0.000755
QPSK	LCH	VN	-30	-0.04	-0.000055
		VN	-20	-1.83	-0.002597
		VN	-10	-2.36	-0.003354
		VN	0	-3.48	-0.004948
		VN	10	-2.07	-0.002941
		VN	20	-3.94	-0.005593
		VN	30	-1.03	-0.001469
		VN	40	0.02	0.000021
		VN	50	1.47	0.002092
	MCH	VN	-30	-1.73	-0.002452
		VN	-20	-1.33	-0.001880
		VN	-10	-0.87	-0.001236
		VN	0	-2.96	-0.004180
		VN	10	-2.56	-0.003621
		VN	20	-2.09	-0.002954
		VN	30	-1.16	-0.001633
		VN	40	1.09	0.001543
		VN	50	0.85	0.001200
	HCH	VN	-30	0.31	0.000430
		VN	-20	-1.09	-0.001530
		VN	-10	-1.93	-0.002720
		VN	0	-1.58	-0.002217
		VN	10	-0.61	-0.000864
		VN	20	0.26	0.000359
		VN	30	-1.00	-0.001410
		VN	40	0.05	0.000065
		VN	50	0.34	0.000485

Band 13

Channel Bandwidth: 5 MHz

Channel Bandwidth: 15 MHz					
Voltage					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.65	-0.000831
		VN	TN	-1.89	-0.002426
		VH	TN	-1.94	-0.002486
	MCH	VL	TN	-4.25	-0.005439
		VN	TN	-1.93	-0.002471
		VH	TN	-4.34	-0.005553
	HCH	VL	TN	-1.07	-0.001359
		VN	TN	-0.93	-0.001187
		VH	TN	0.54	0.000686
16QAM	LCH	VL	TN	-1.73	-0.002214
		VN	TN	-2.37	-0.003038
		VH	TN	-1.77	-0.002271
	MCH	VL	TN	-2.89	-0.003698
		VN	TN	-3.37	-0.004306
		VH	TN	-2.38	-0.003048
	HCH	VL	TN	-1.82	-0.002323
		VN	TN	-0.11	-0.000146
		VH	TN	0.28	0.000362
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	-0.28	-0.000354
		VN	-20	-1.68	-0.002159
		VN	-10	-2.50	-0.003208
		VN	0	-4.10	-0.005258
		VN	10	-1.65	-0.002117
		VN	20	-3.58	-0.004587
		VN	30	-0.49	-0.000628
		VN	40	-0.55	-0.000701
		VN	50	1.24	0.001585
	MCH	VN	-30	-0.99	-0.001268
		VN	-20	-2.20	-0.002814
		VN	-10	-1.50	-0.001915
		VN	0	-2.46	-0.003140
		VN	10	-2.44	-0.003122
		VN	20	-2.85	-0.003642
		VN	30	-0.79	-0.001010
		VN	40	1.50	0.001918
		VN	50	1.02	0.001306

	HCH	VN	-30	0.34	0.000440
		VN	-20	-1.11	-0.001412
		VN	-10	-2.04	-0.002596
		VN	0	-0.88	-0.001124
		VN	10	-0.12	-0.000149
		VN	20	-0.45	-0.000578
		VN	30	-1.28	-0.001631
		VN	40	0.63	0.000805
		VN	50	0.41	0.000518
16QAM	LCH	VN	-30	0.34	0.000441
		VN	-20	-1.52	-0.001954
		VN	-10	-2.12	-0.002721
		VN	0	-3.84	-0.004923
		VN	10	-1.19	-0.001523
		VN	20	-3.84	-0.004931
		VN	30	-0.45	-0.000577
		VN	40	-0.18	-0.000235
		VN	50	1.27	0.001634
	MCH	VN	-30	-1.06	-0.001351
		VN	-20	-1.74	-0.002229
		VN	-10	-0.93	-0.001190
		VN	0	-2.36	-0.003013
		VN	10	-2.27	-0.002904
		VN	20	-2.74	-0.003506
		VN	30	-0.88	-0.001123
		VN	40	1.50	0.001923
		VN	50	1.10	0.001406
	HCH	VN	-30	-0.16	-0.000208
		VN	-20	-1.16	-0.001473
		VN	-10	-2.42	-0.003081
		VN	0	-0.81	-0.001038
		VN	10	-0.72	-0.000921
		VN	20	0.18	0.000234
		VN	30	-1.41	-0.001794
		VN	40	-0.03	-0.000037
		VN	50	0.94	0.001192

Channel Bandwidth: 10 MHz

Channel Bandwidth: 20 MHz
Voltage

Report

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VL	TN	-0.33	-0.000427
		VN	TN	-1.75	-0.002244
		VH	TN	-2.41	-0.003080
	MCH	VL	TN	-4.52	-0.005784
		VN	TN	-1.82	-0.002333
		VH	TN	-4.85	-0.006204
	HCH	VL	TN	-1.10	-0.001412
		VN	TN	-1.22	-0.001561
		VH	TN	0.58	0.000747
16QAM	LCH	VL	TN	-2.41	-0.003085
		VN	TN	-1.67	-0.002131
		VH	TN	-1.48	-0.001891
	MCH	VL	TN	-2.57	-0.003286
		VN	TN	-3.03	-0.003876
		VH	TN	-3.10	-0.003963
	HCH	VL	TN	-1.62	-0.002076
		VN	TN	0.69	0.000877
		VH	TN	0.29	0.000369
Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)
QPSK	LCH	VN	-30	0.20	0.000254
		VN	-20	-1.46	-0.001871
		VN	-10	-2.03	-0.002591
		VN	0	-3.97	-0.005081
		VN	10	-1.95	-0.002495
		VN	20	-4.31	-0.005514
		VN	30	-1.13	-0.001448
		VN	40	-0.34	-0.000430
		VN	50	1.24	0.001586
	MCH	VN	-30	-1.76	-0.002247
		VN	-20	-2.04	-0.002612
		VN	-10	-1.38	-0.001766
		VN	0	-2.98	-0.003811
		VN	10	-2.26	-0.002888
		VN	20	-2.14	-0.002736
		VN	30	-1.45	-0.001849
		VN	40	1.62	0.002068
		VN	50	0.87	0.001107
HCH	VN	-30	0.07	0.000093	

Report

		VN	-20	-1.05	-0.001341
		VN	-10	-1.80	-0.002304
		VN	0	-0.83	-0.001065
		VN	10	-0.44	-0.000562
		VN	20	-0.63	-0.000804
		VN	30	-1.26	-0.001612
		VN	40	-0.05	-0.000068
		VN	50	0.60	0.000762
16QAM	LCH	VN	-30	0.27	0.000350
		VN	-20	-0.95	-0.001209
		VN	-10	-2.41	-0.003087
		VN	0	-3.85	-0.004920
		VN	10	-1.62	-0.002067
		VN	20	-4.35	-0.005565
		VN	30	-0.97	-0.001241
		VN	40	-0.32	-0.000405
		VN	50	1.70	0.002180
	MCH	VN	-30	-1.41	-0.001808
		VN	-20	-1.58	-0.002016
		VN	-10	-1.43	-0.001828
		VN	0	-2.93	-0.003752
		VN	10	-2.80	-0.003585
		VN	20	-2.88	-0.003688
		VN	30	-1.51	-0.001933
		VN	40	1.51	0.001930
		VN	50	0.91	0.001169
	HCH	VN	-30	0.12	0.000155
		VN	-20	-1.28	-0.001635
		VN	-10	-2.69	-0.003438
		VN	0	-1.10	-0.001409
		VN	10	-0.29	-0.000372
		VN	20	-0.37	-0.000476
		VN	30	-1.37	-0.001754
		VN	40	0.44	0.000566
		VN	50	0.57	0.000734