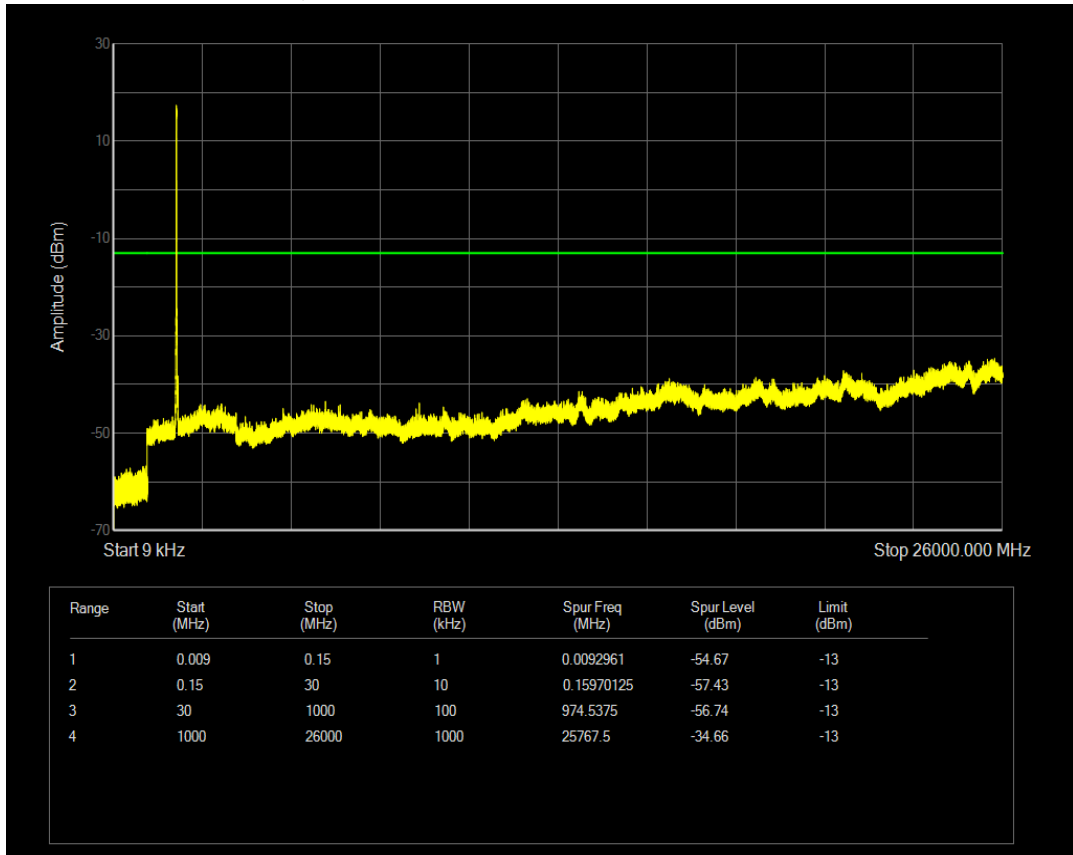
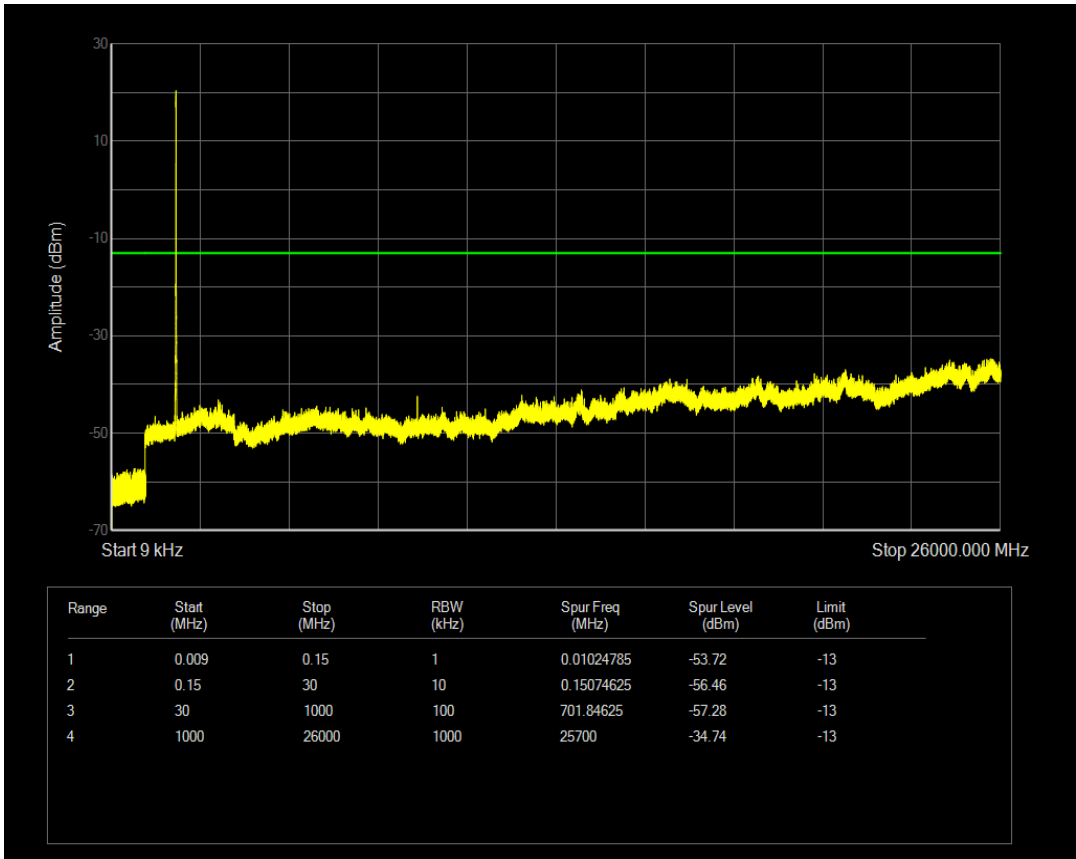


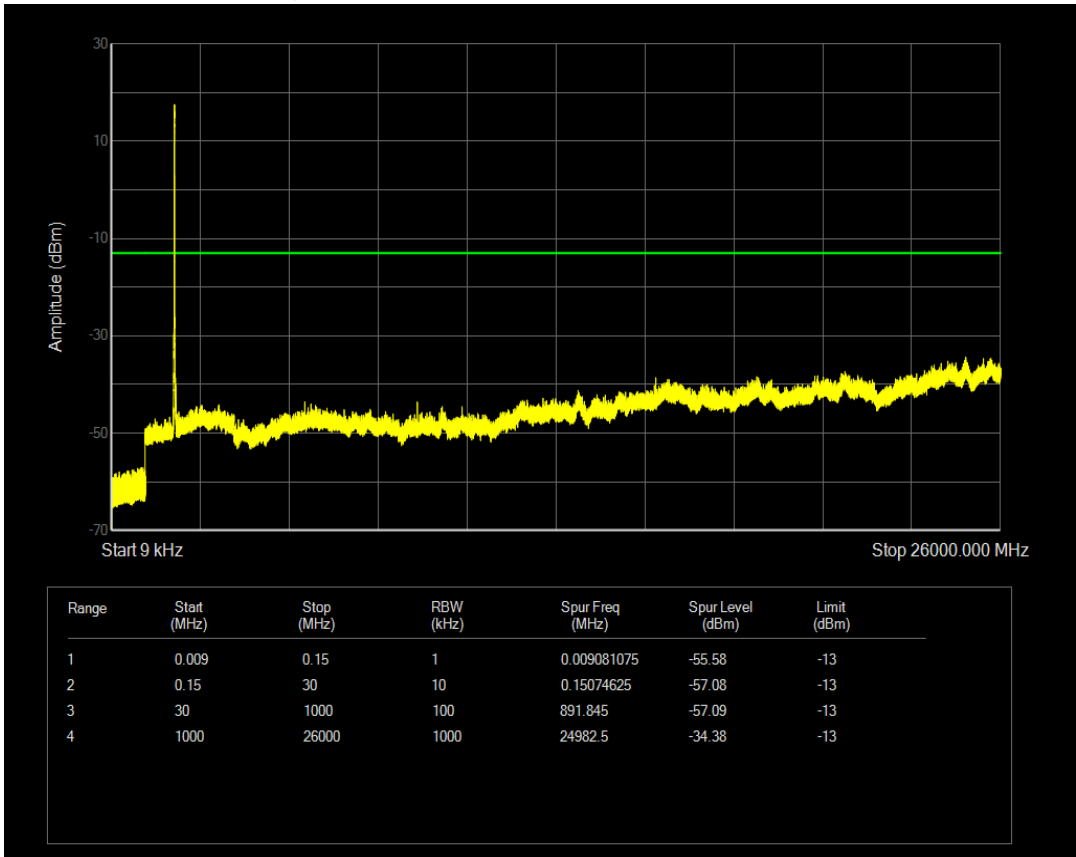
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



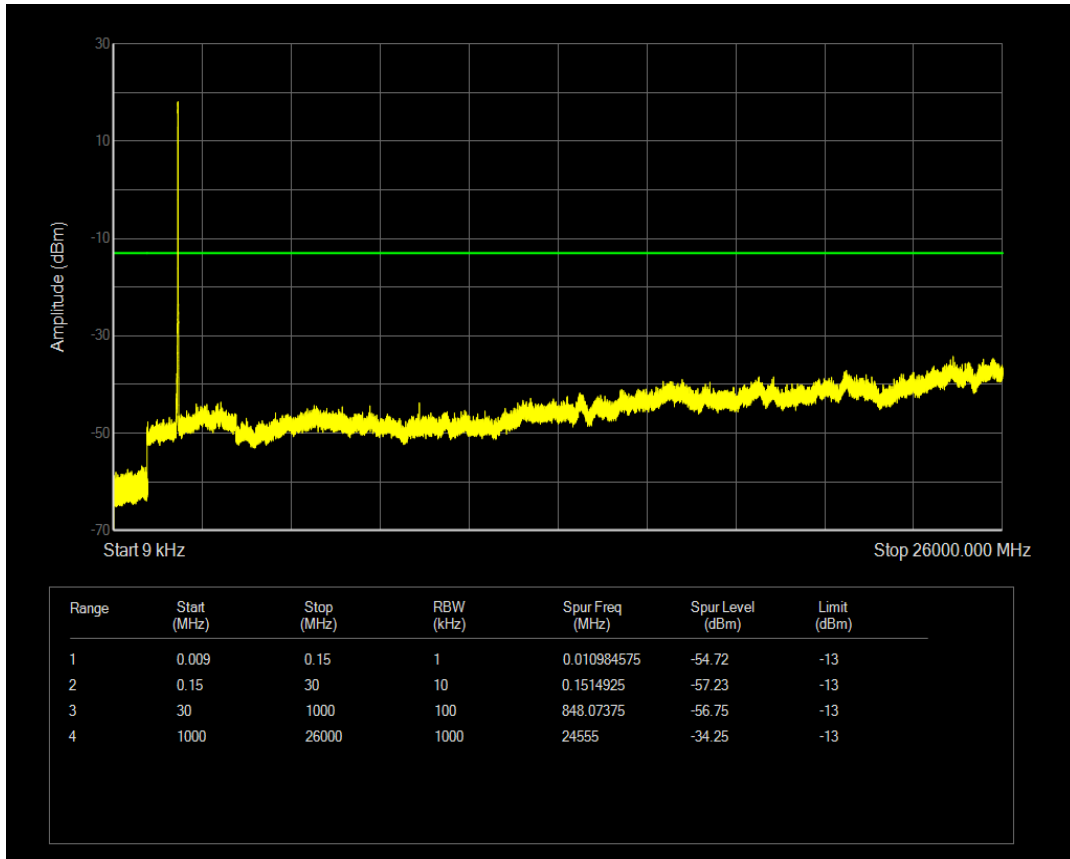
Band2 QAM16 BW=10MHz Channel=19150 RB Size=50 Position=#0



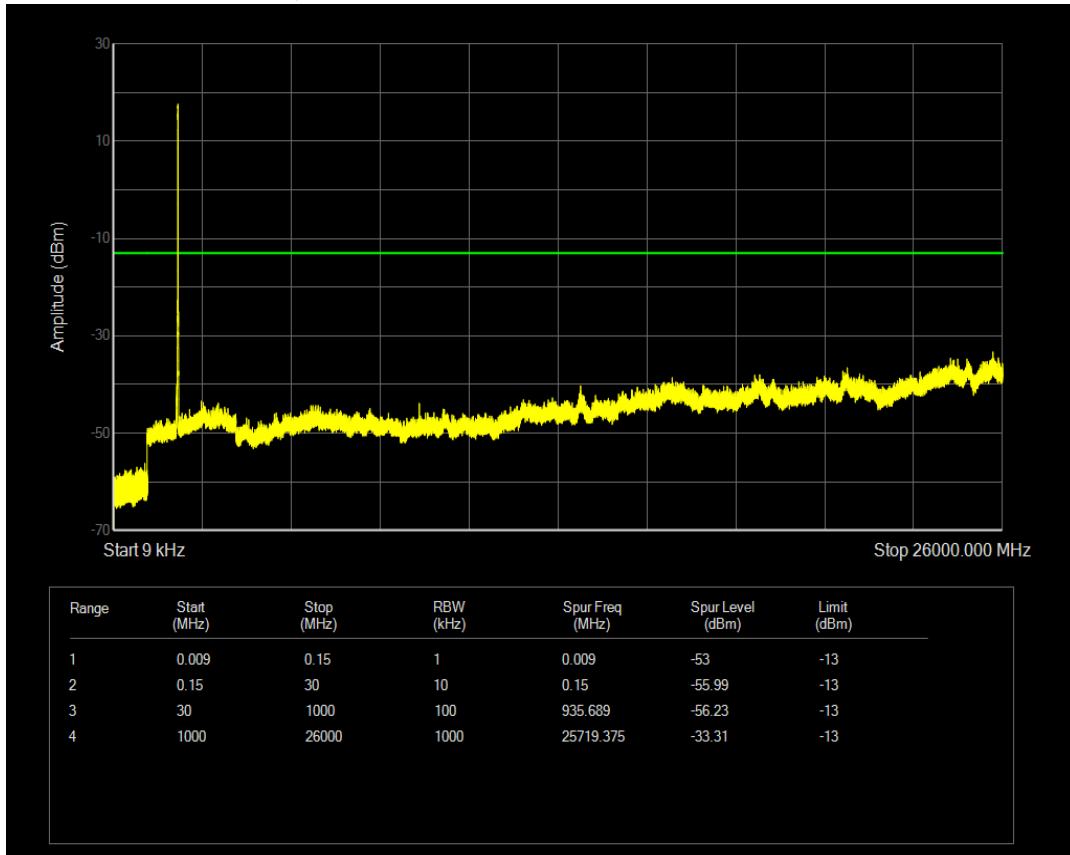
Band2 QAM16 BW=15MHz Channel=18675 RB Size=75 Position=#0



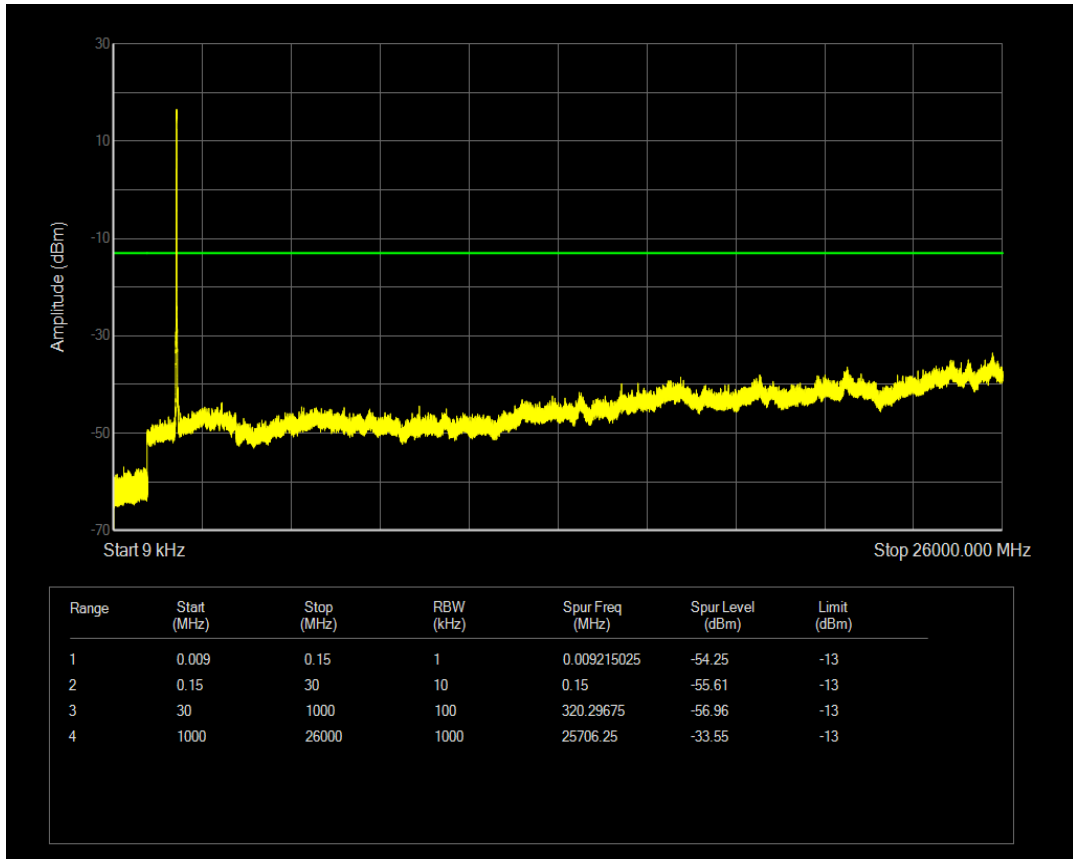
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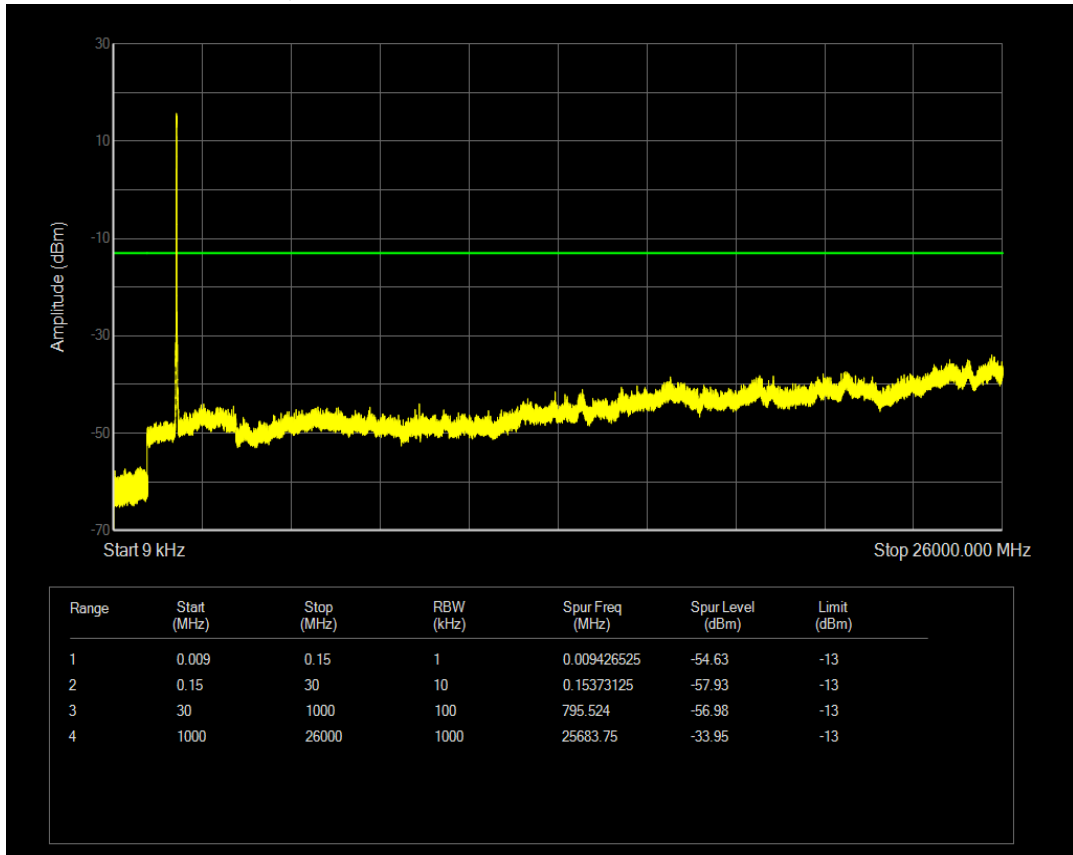
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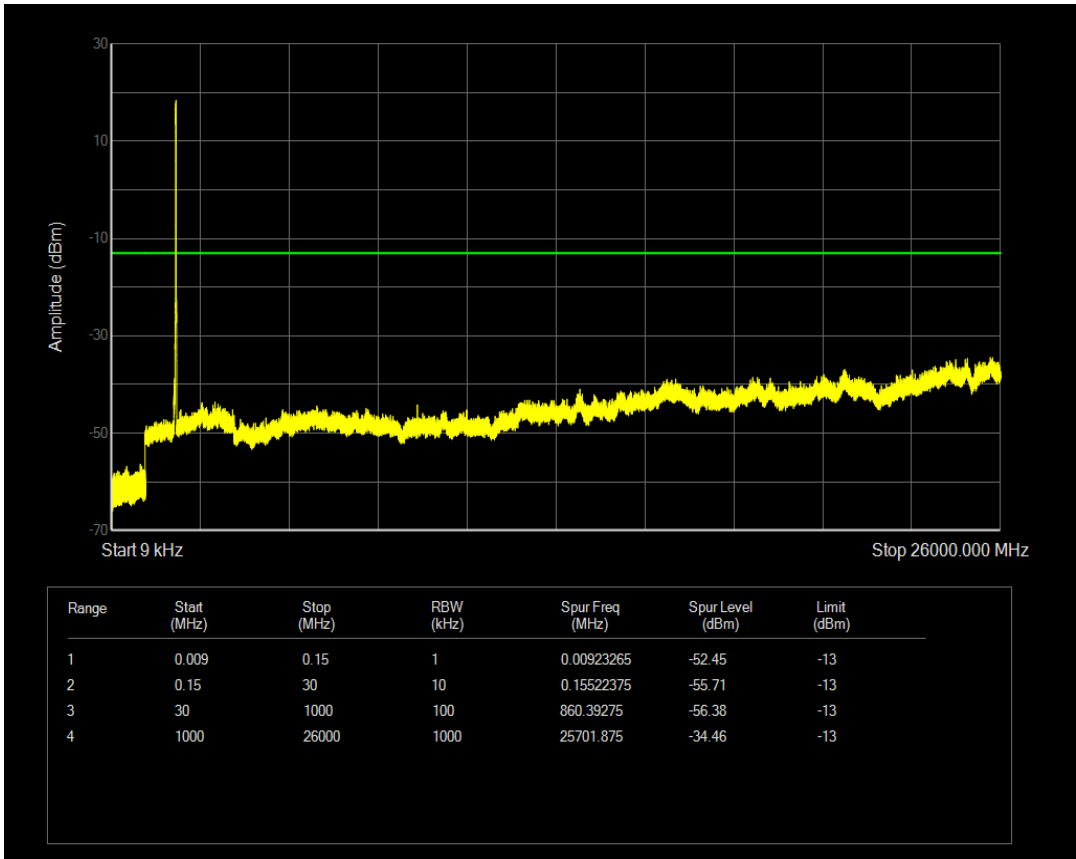
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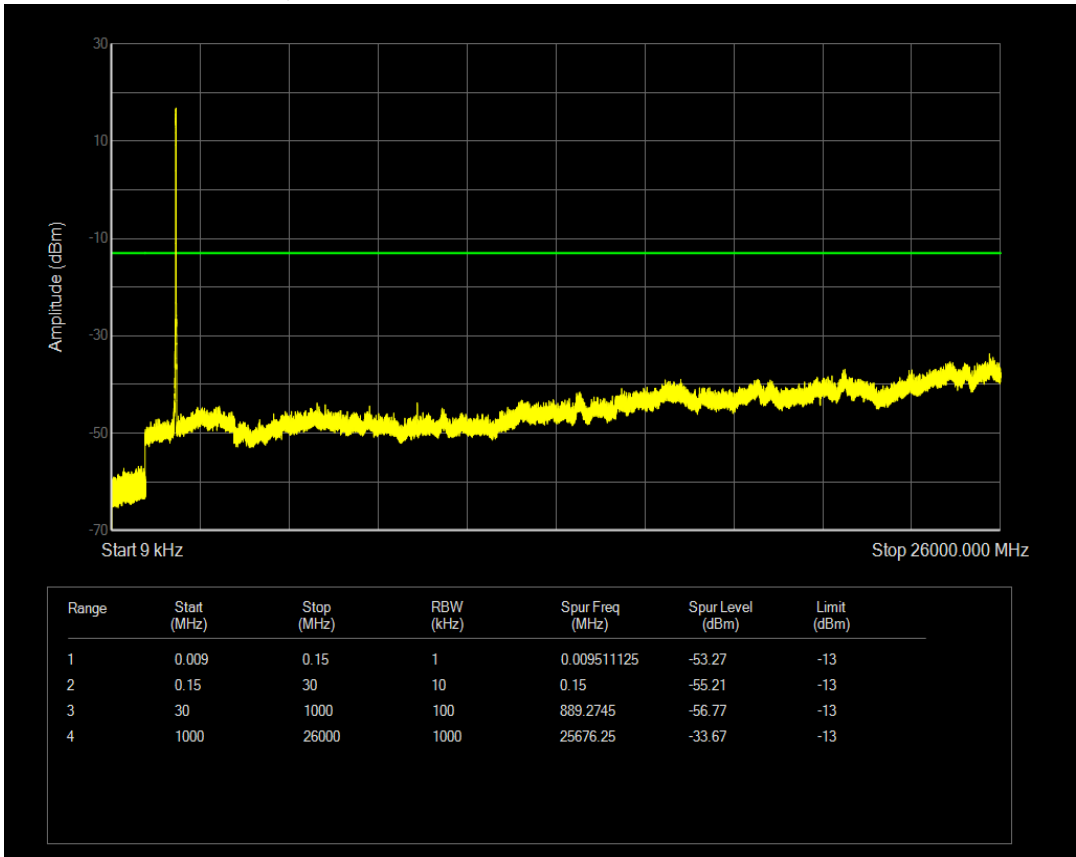
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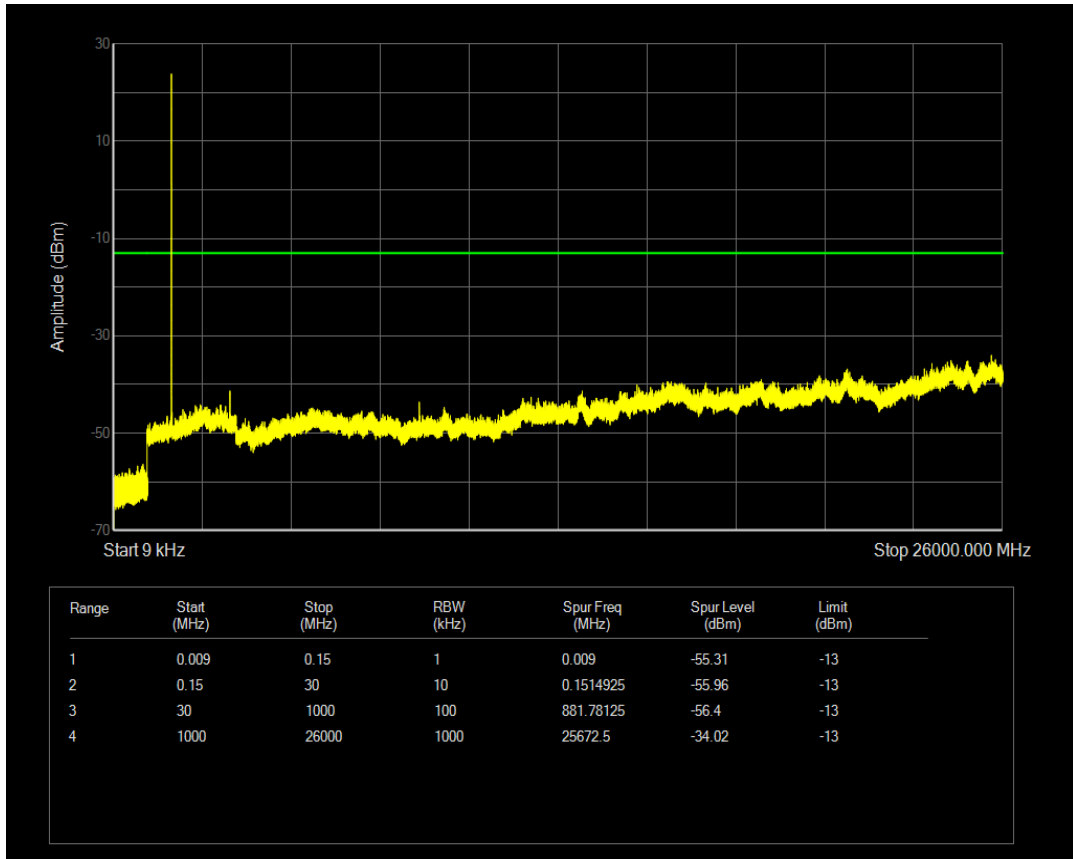
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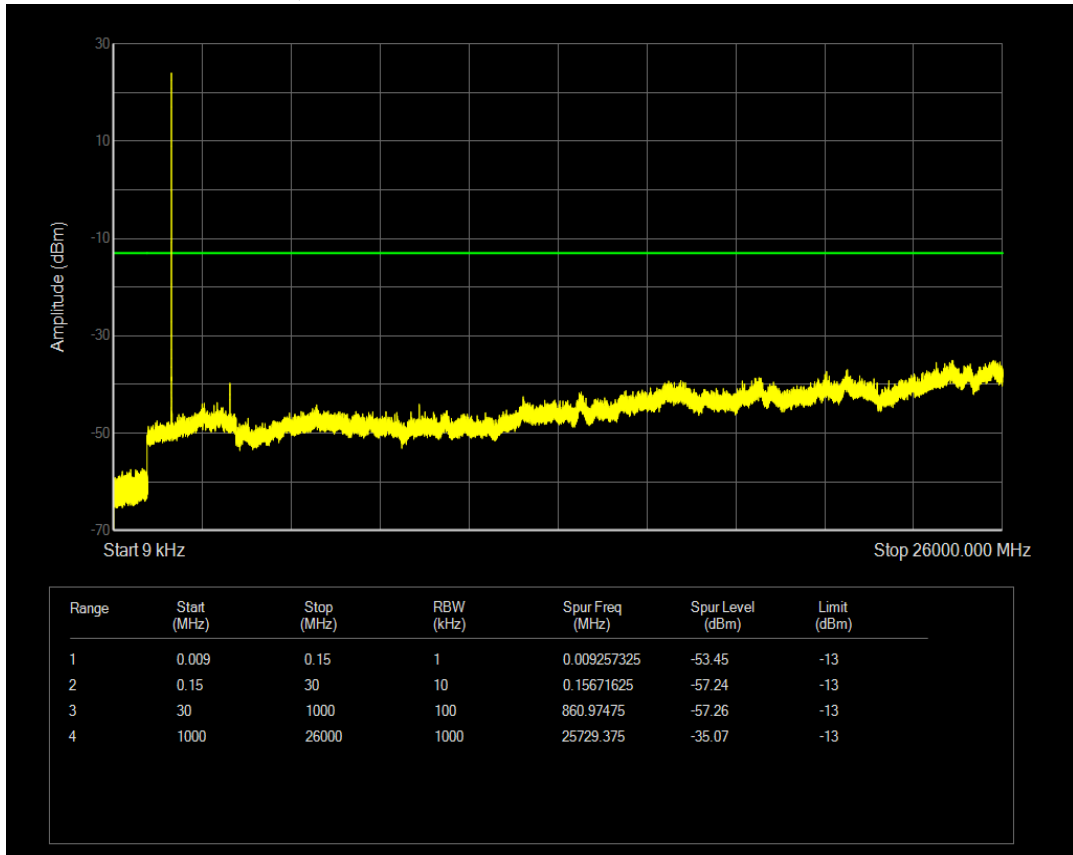
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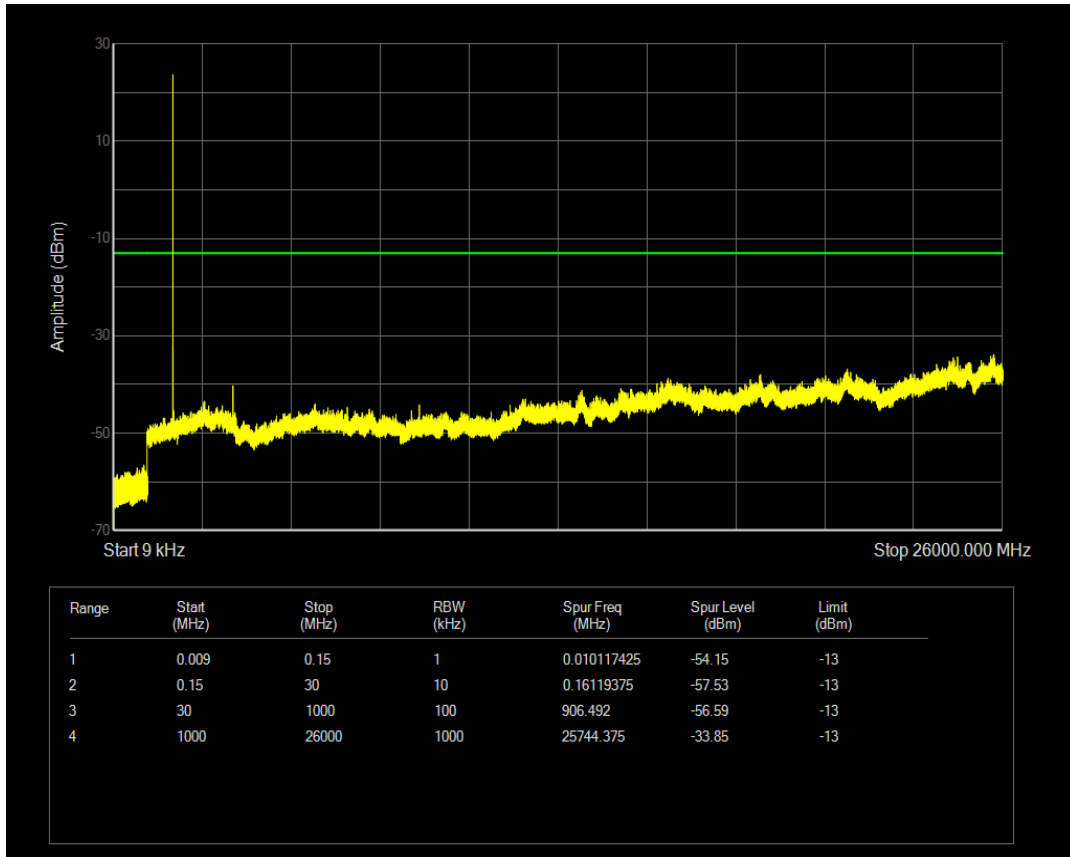
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



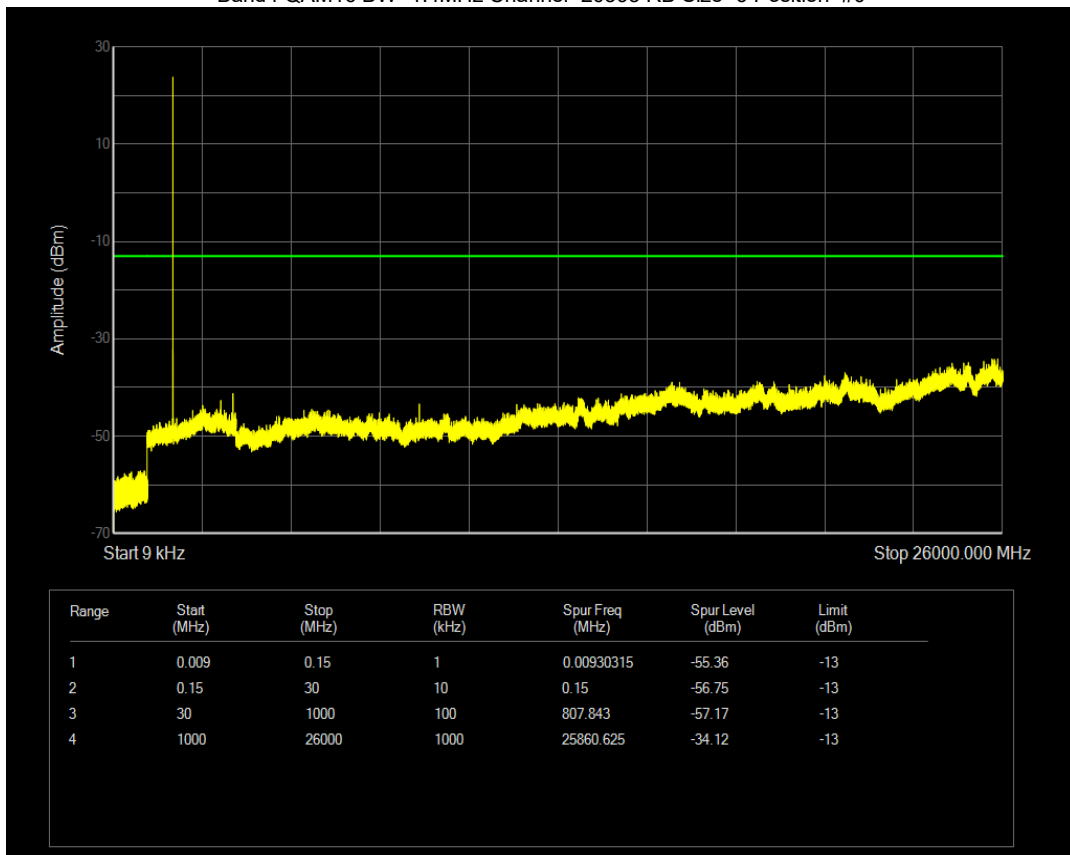
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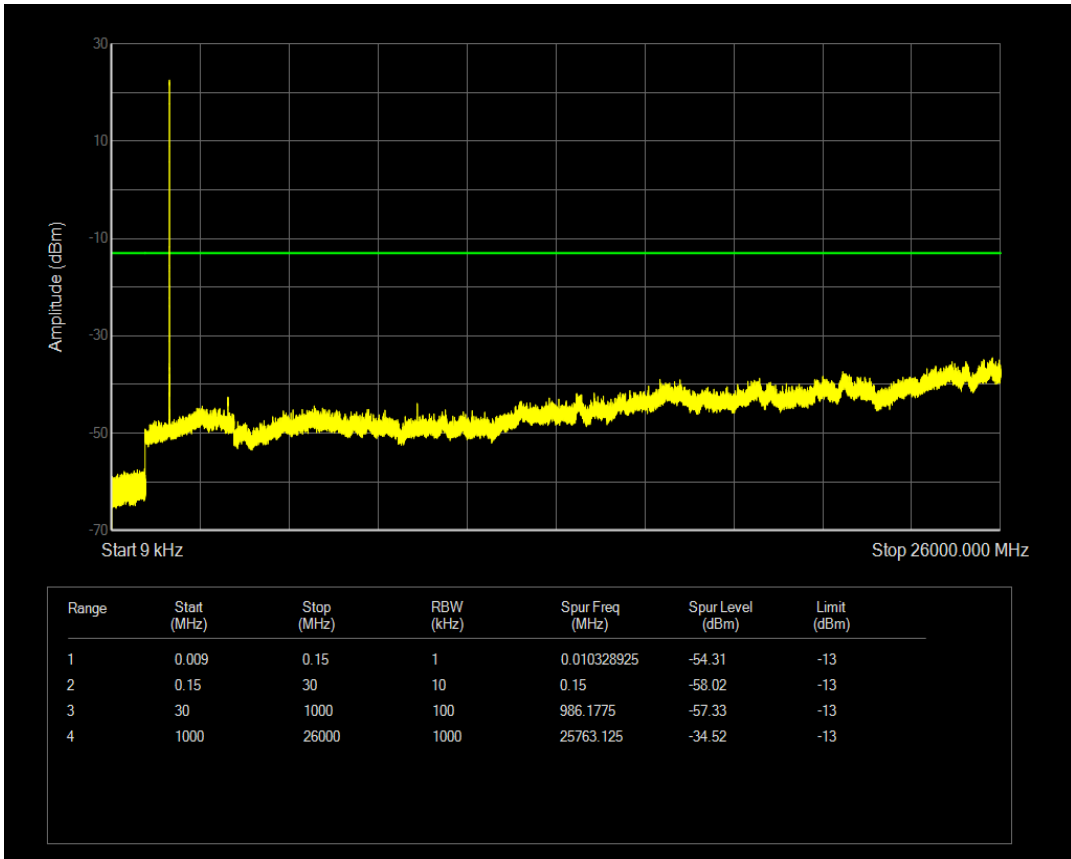
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



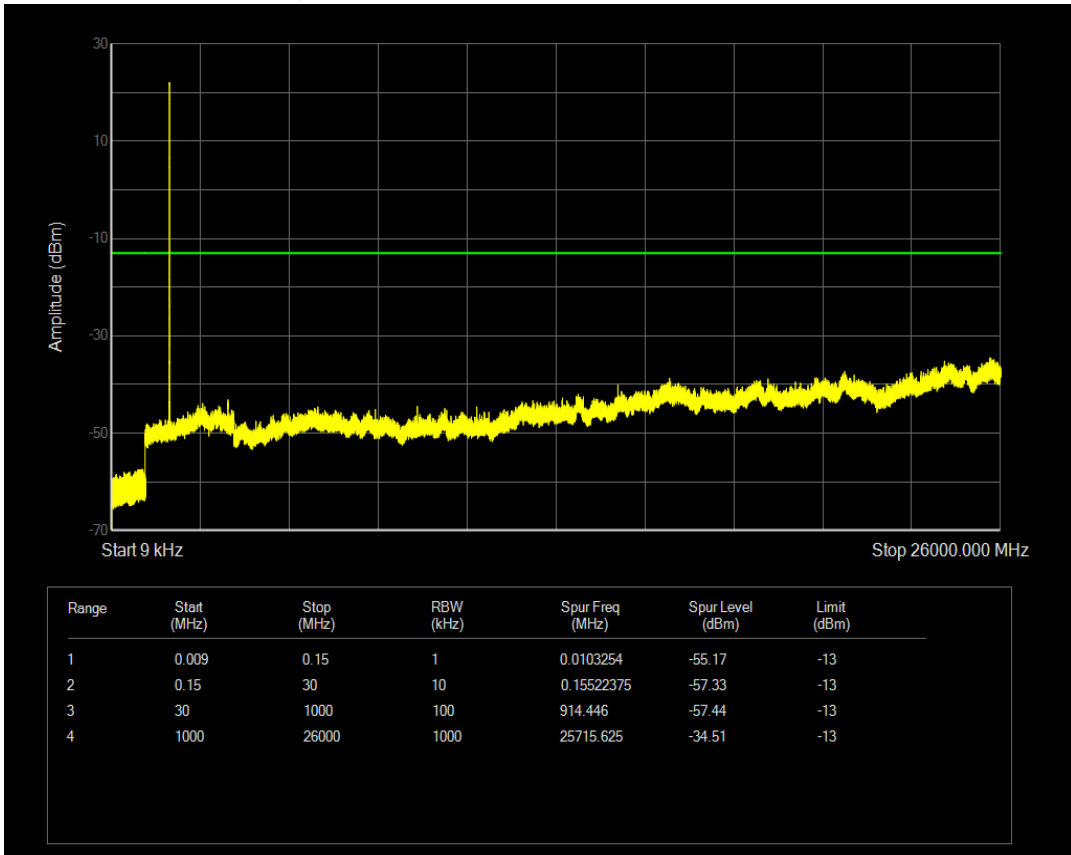
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



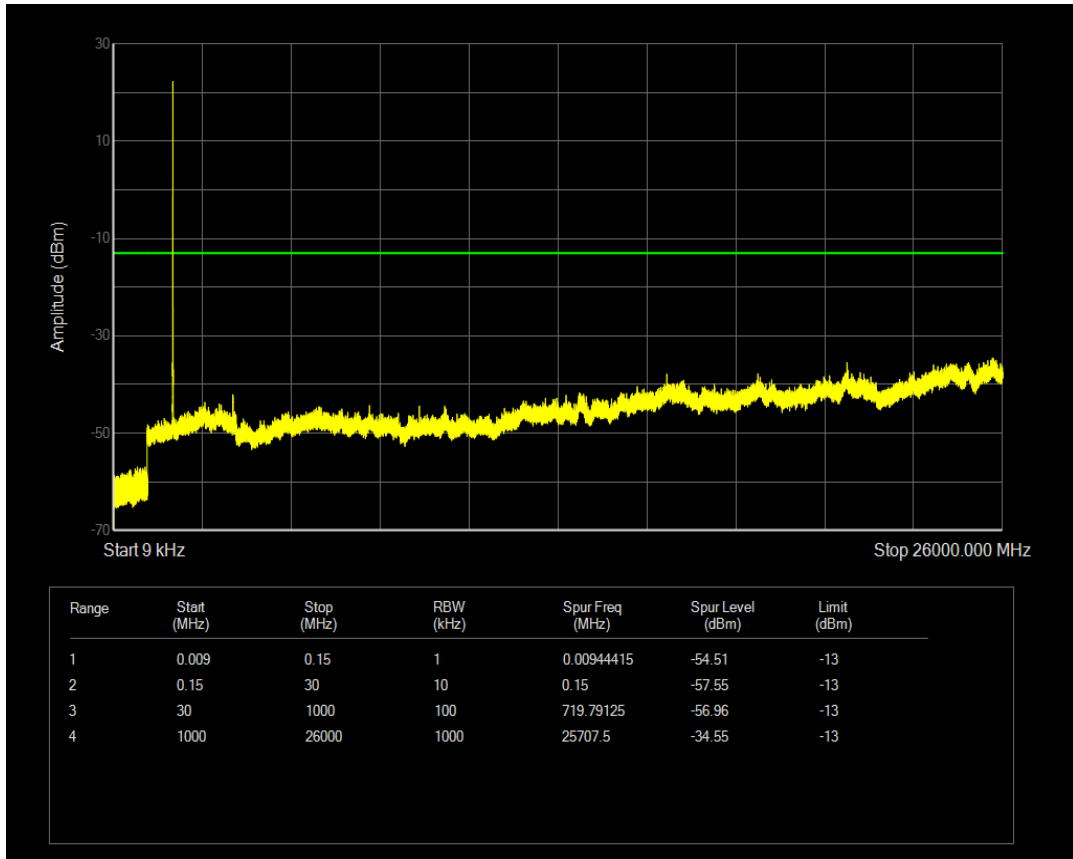
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



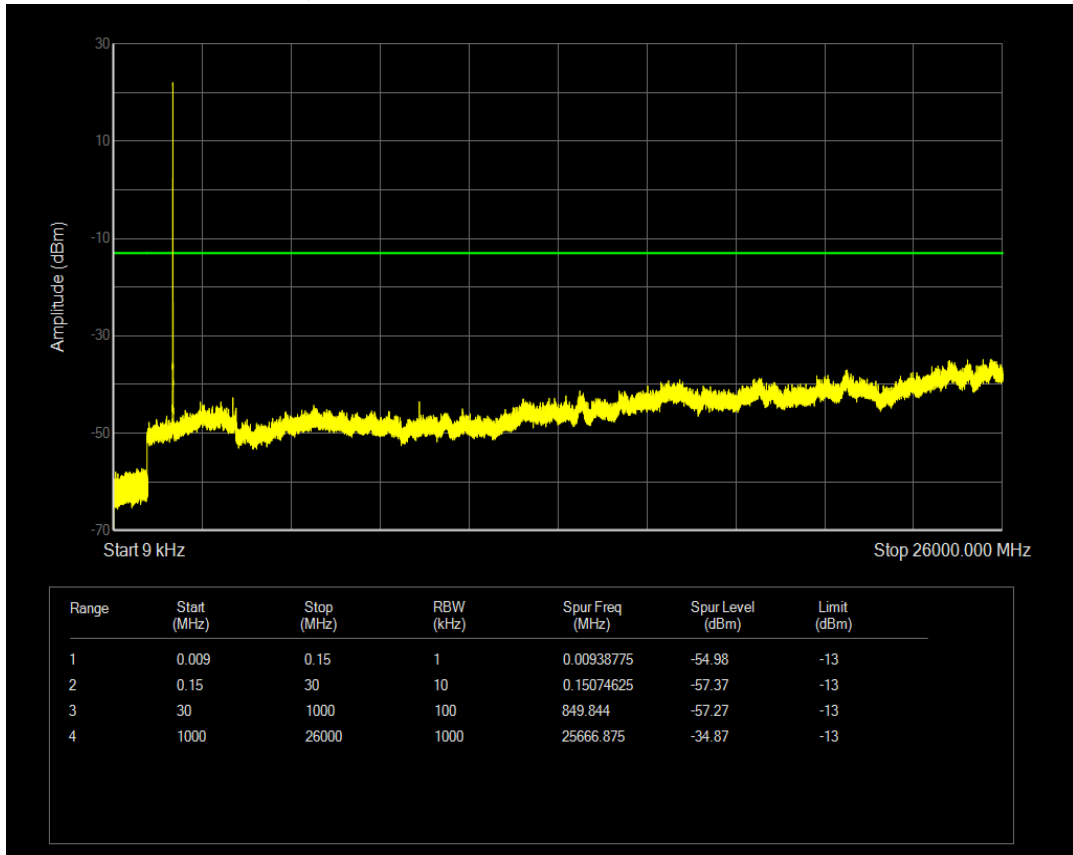
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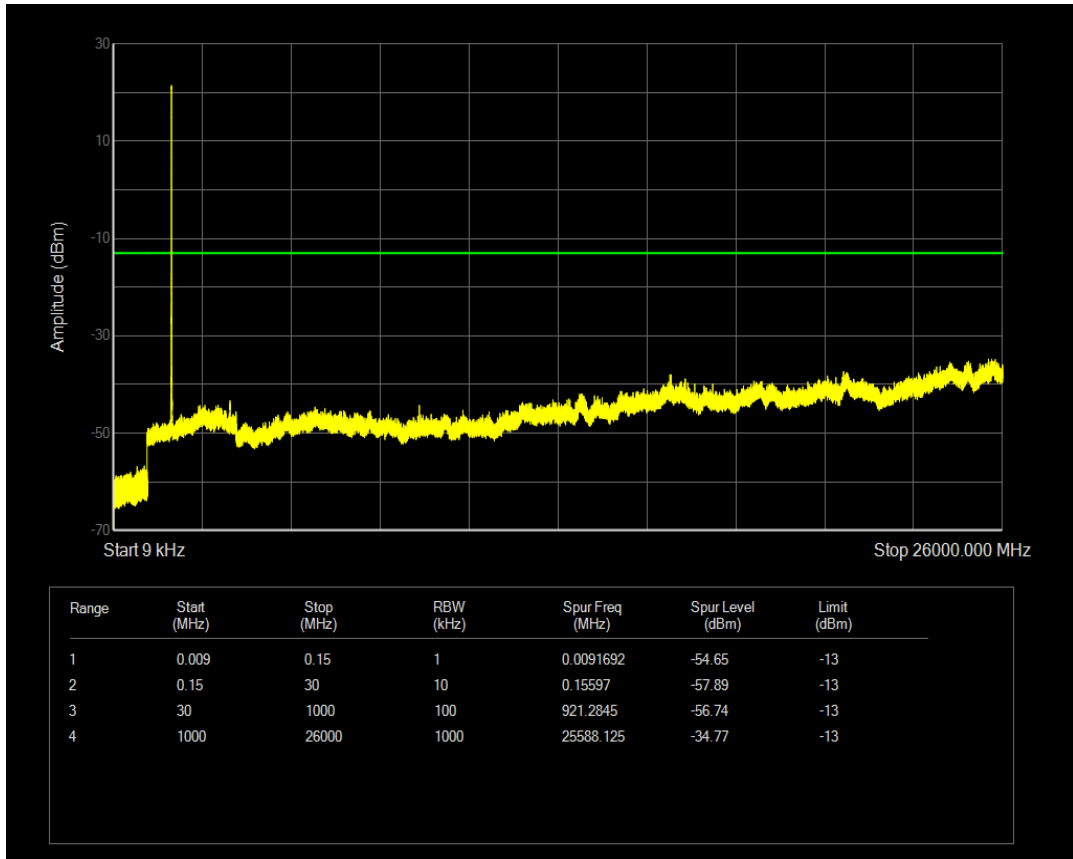
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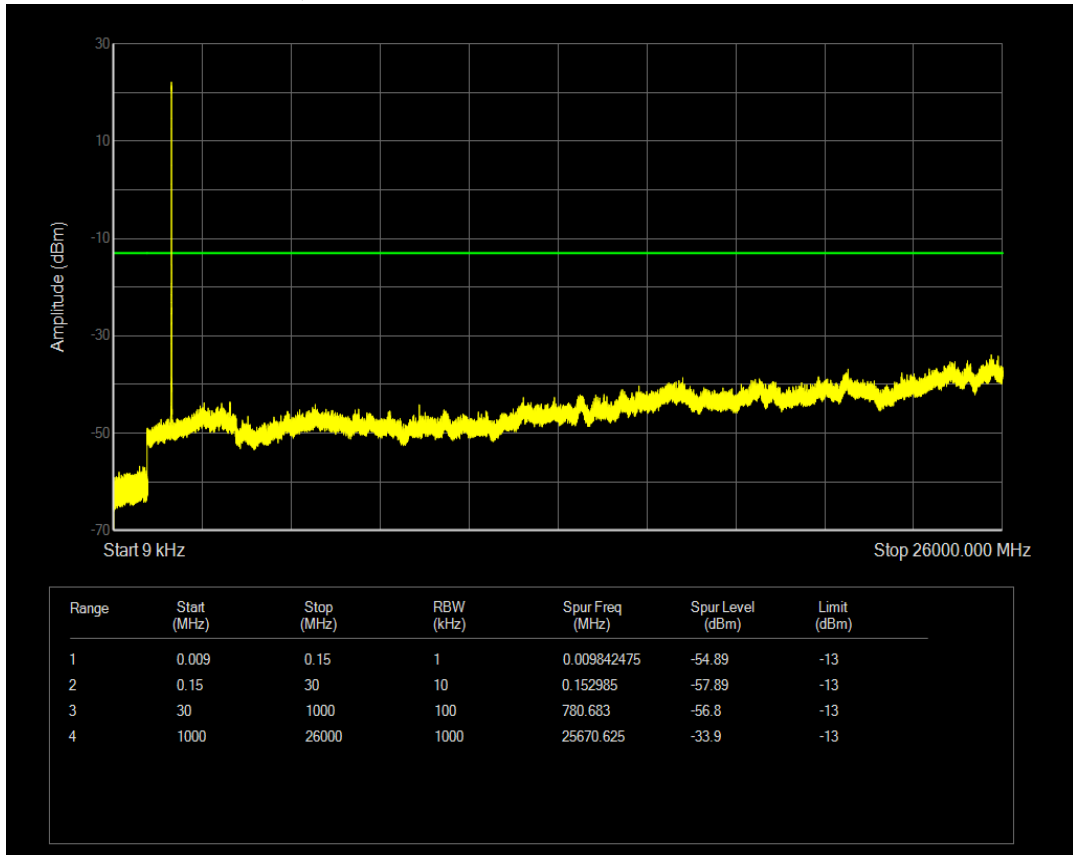
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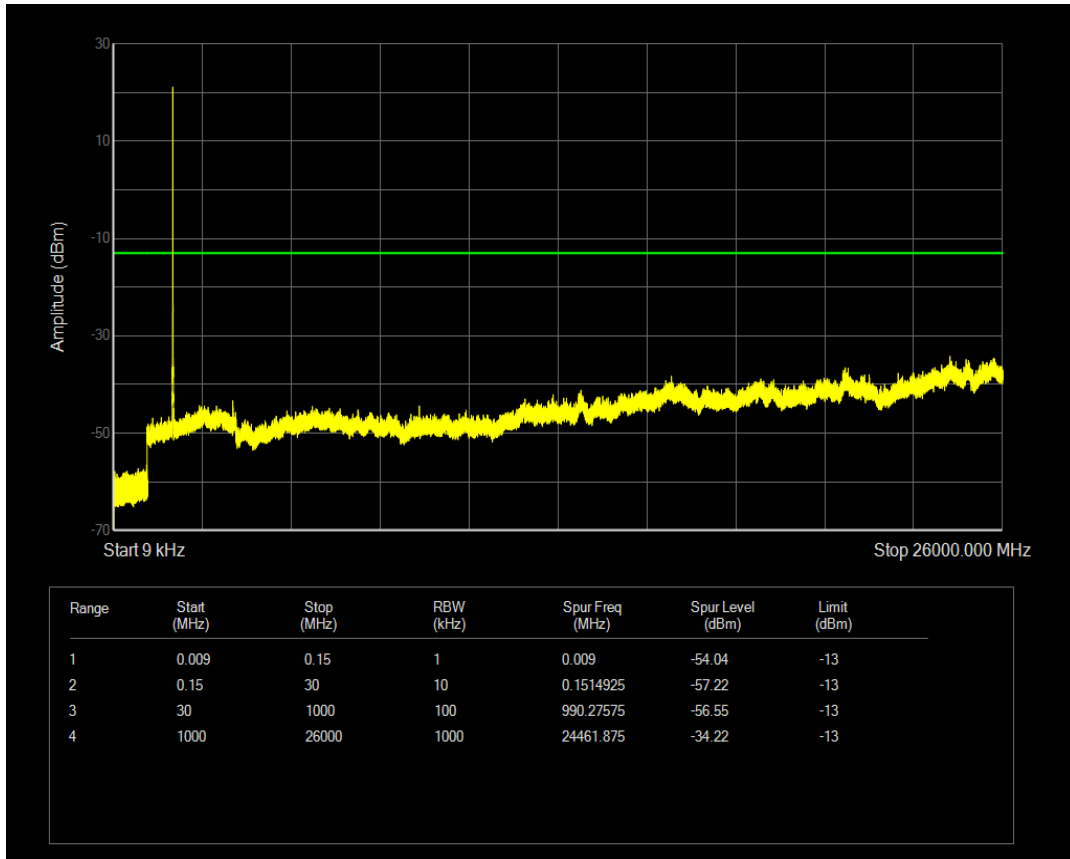
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



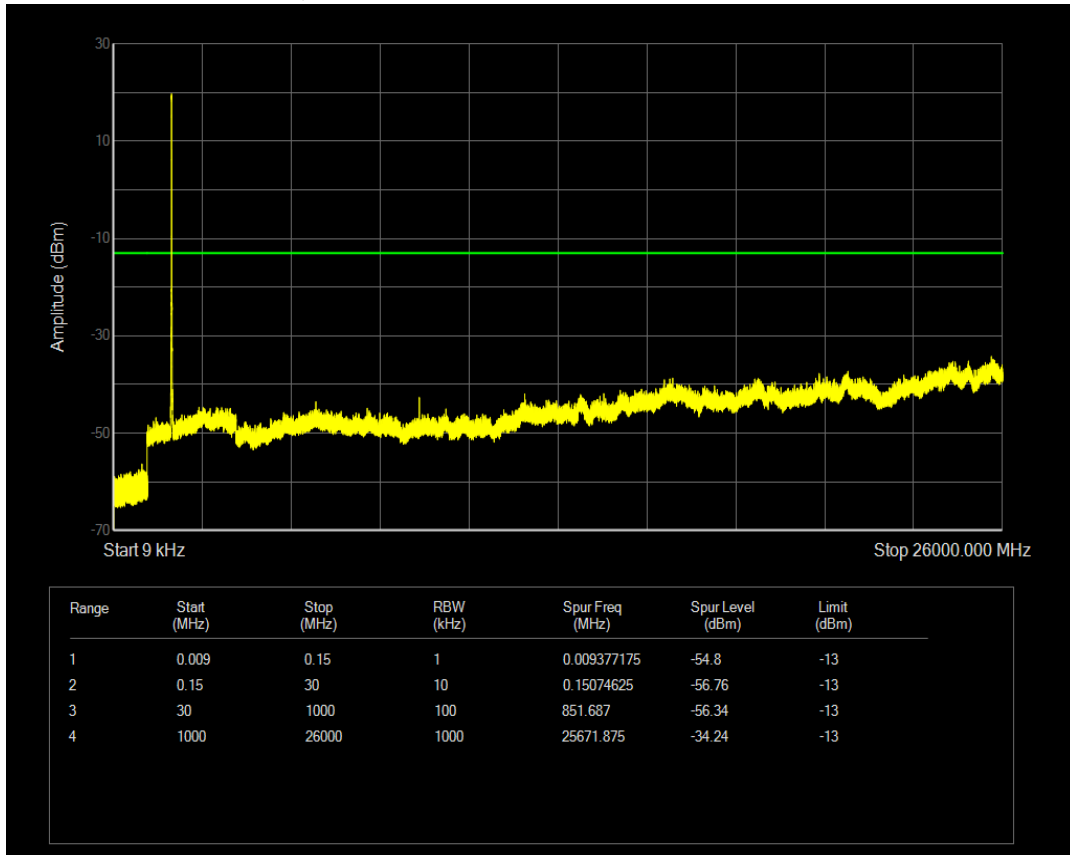
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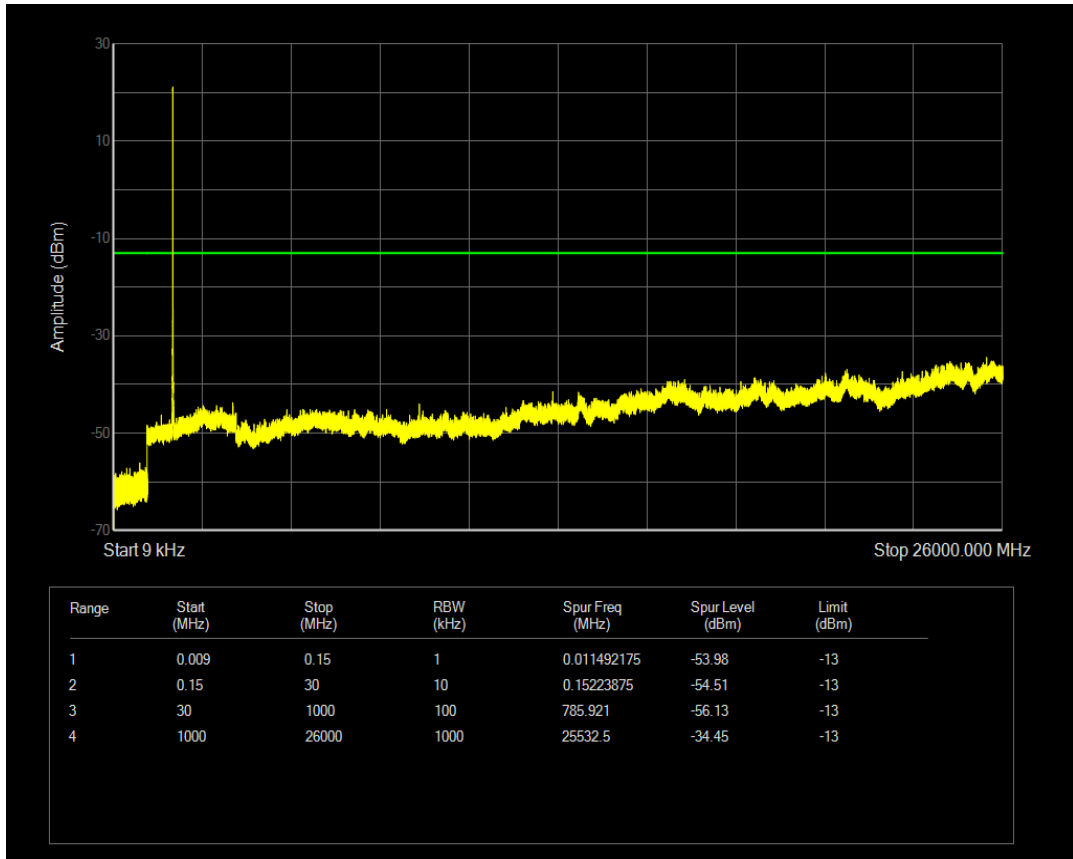
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



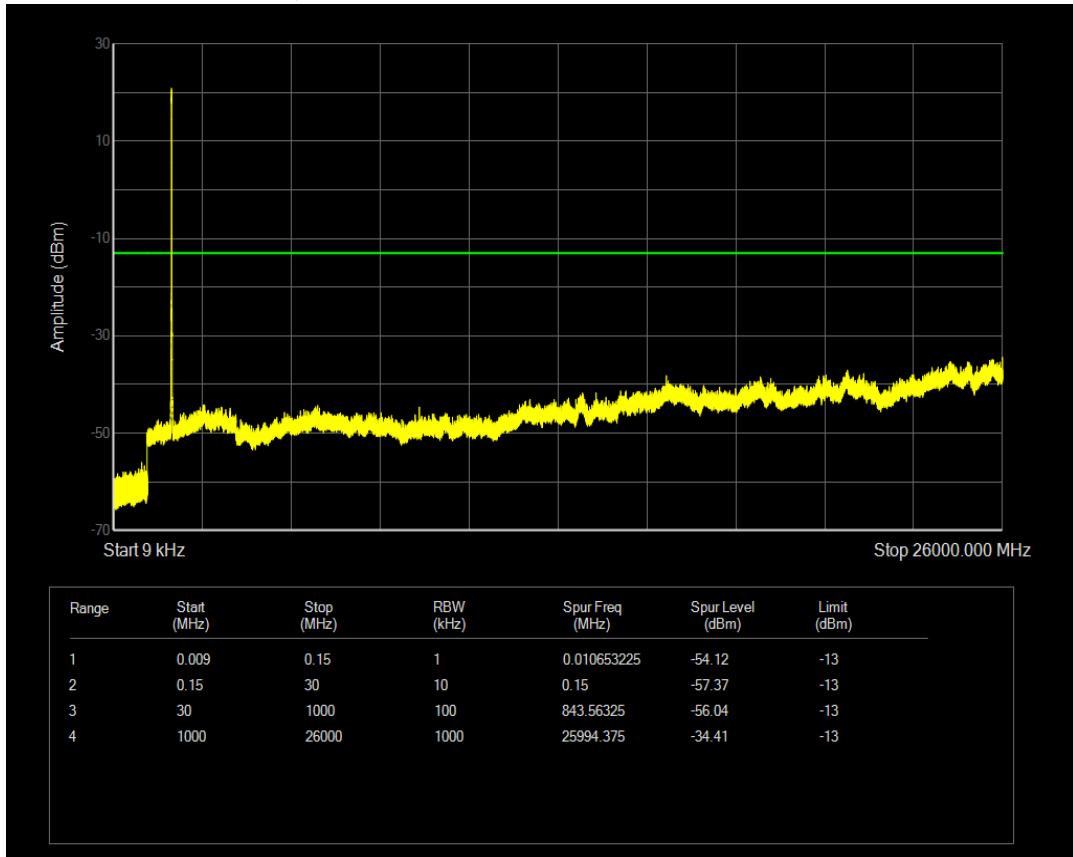
Band4 QPSK BW=10MHz Channel=2000 RB Size=50 Position=#0



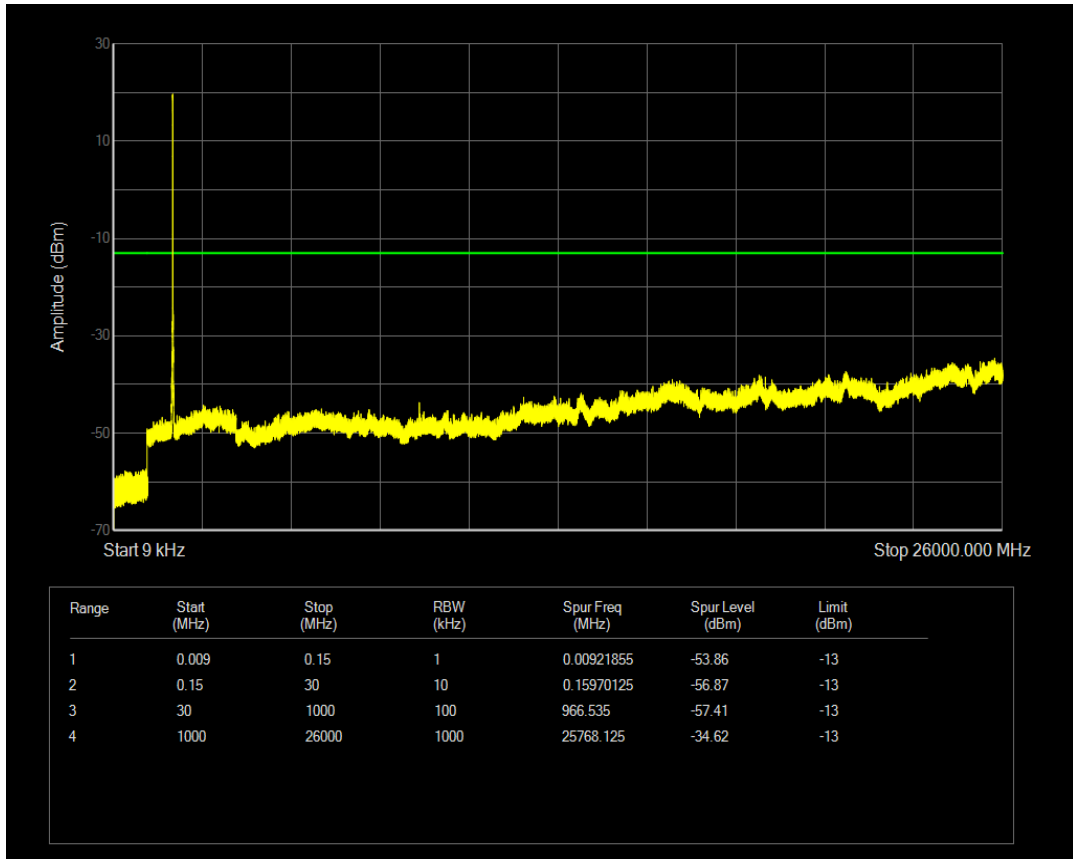
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



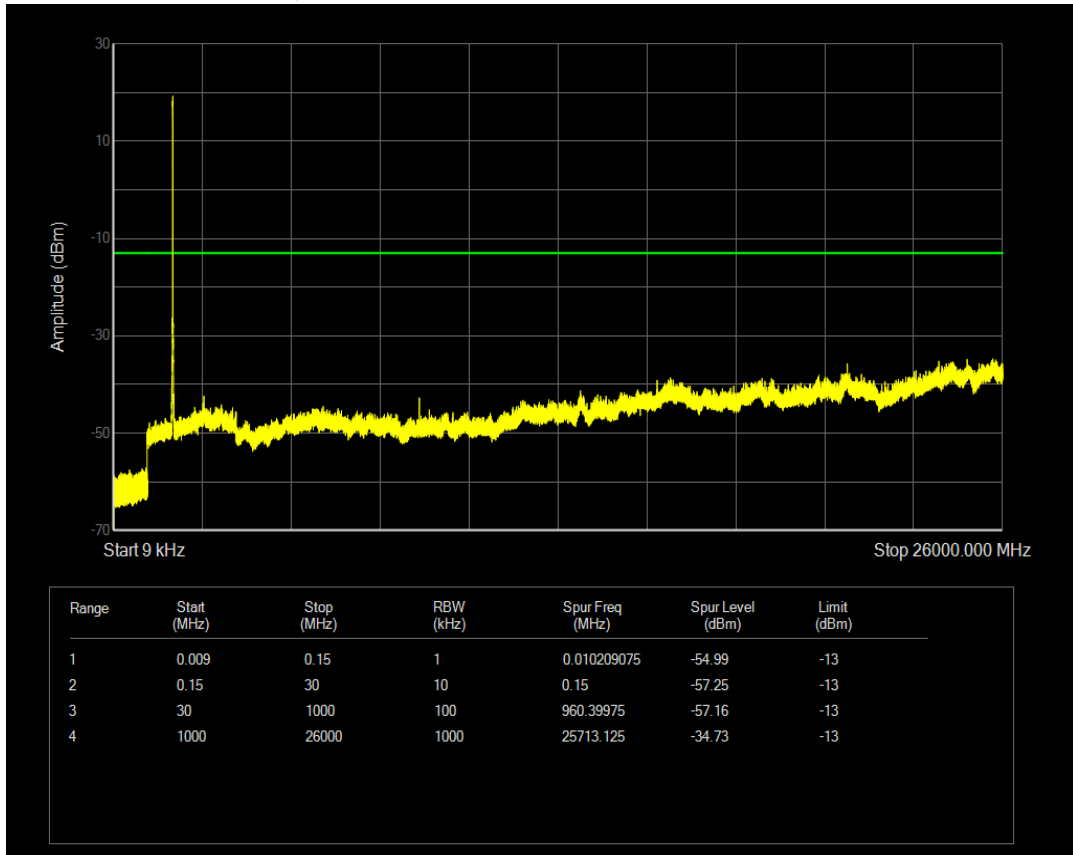
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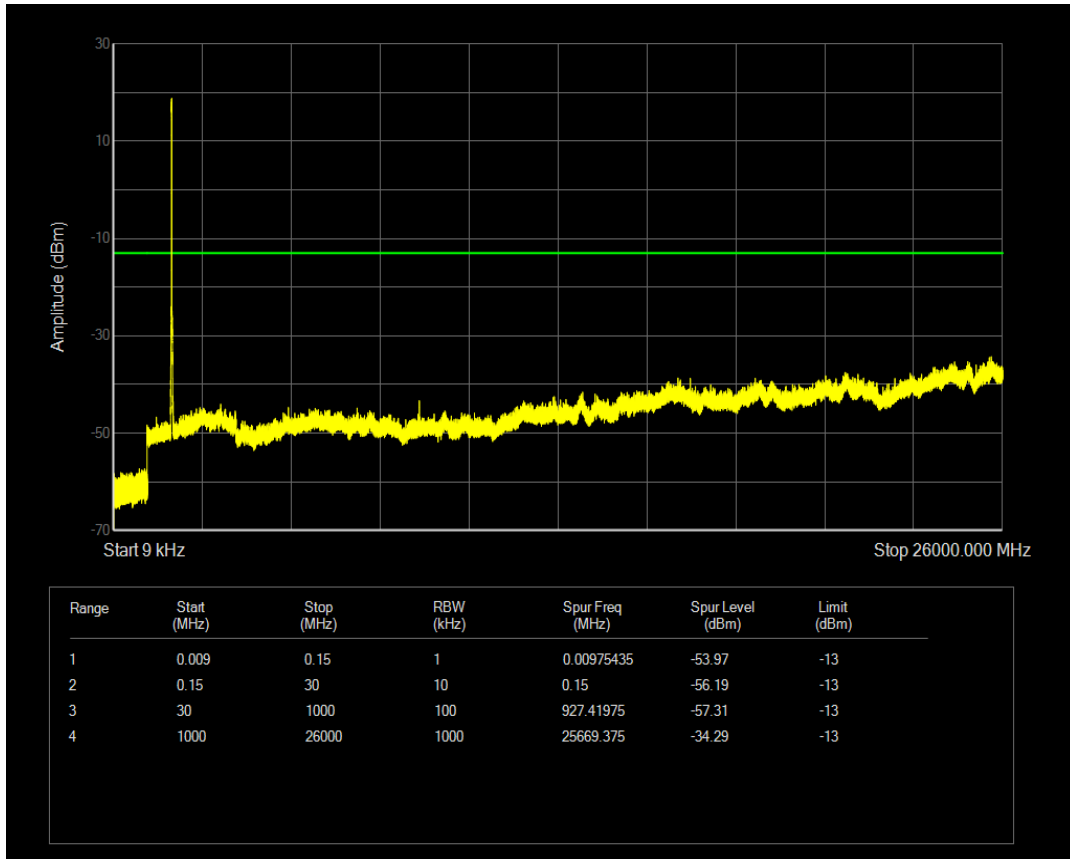
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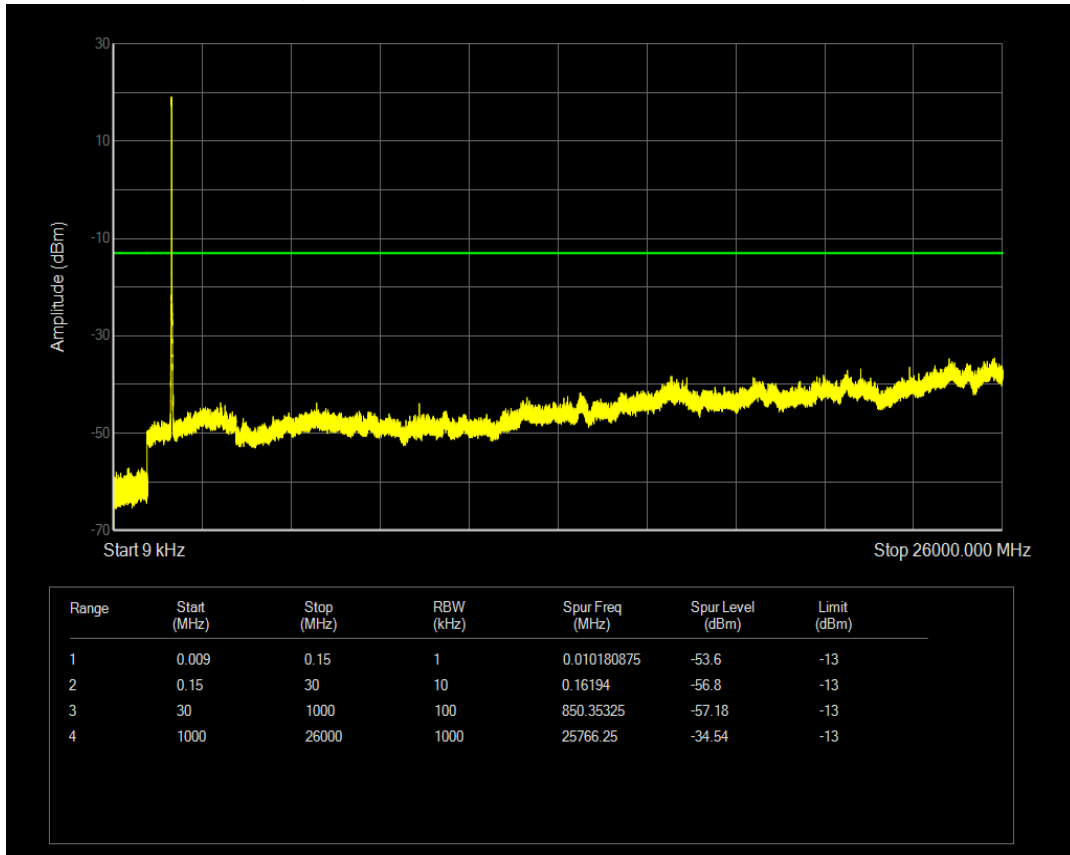
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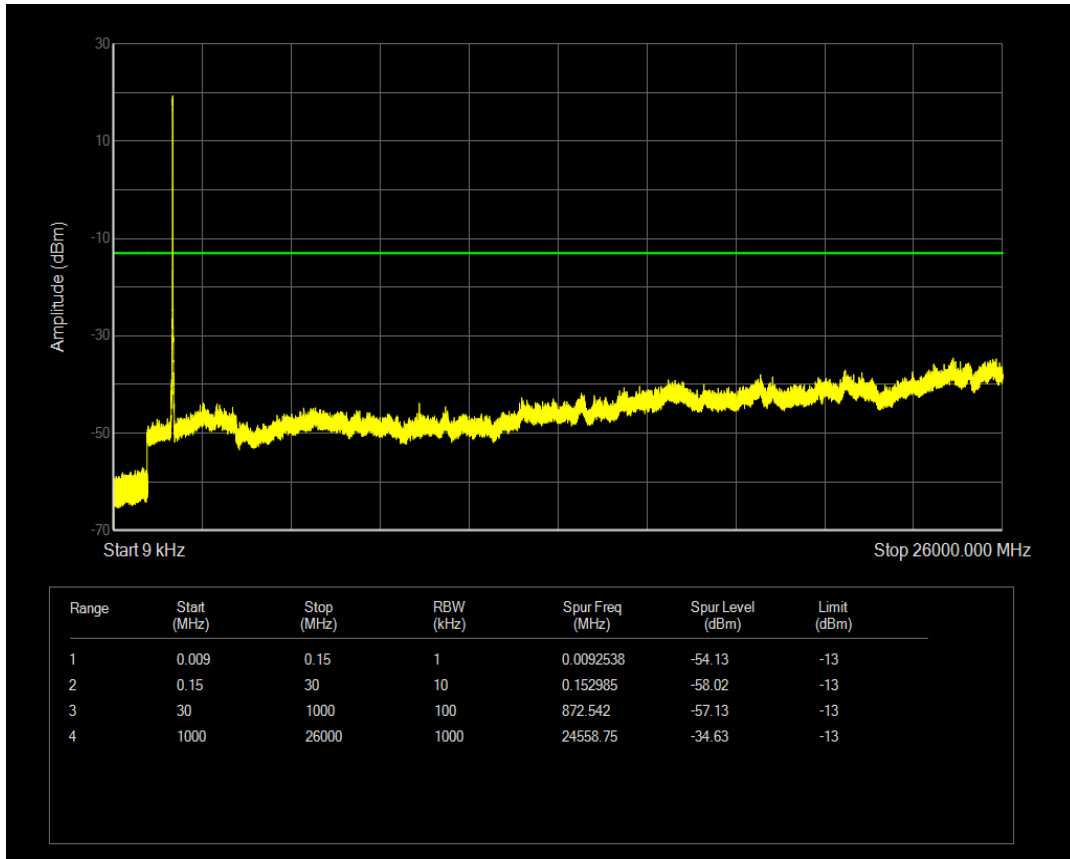
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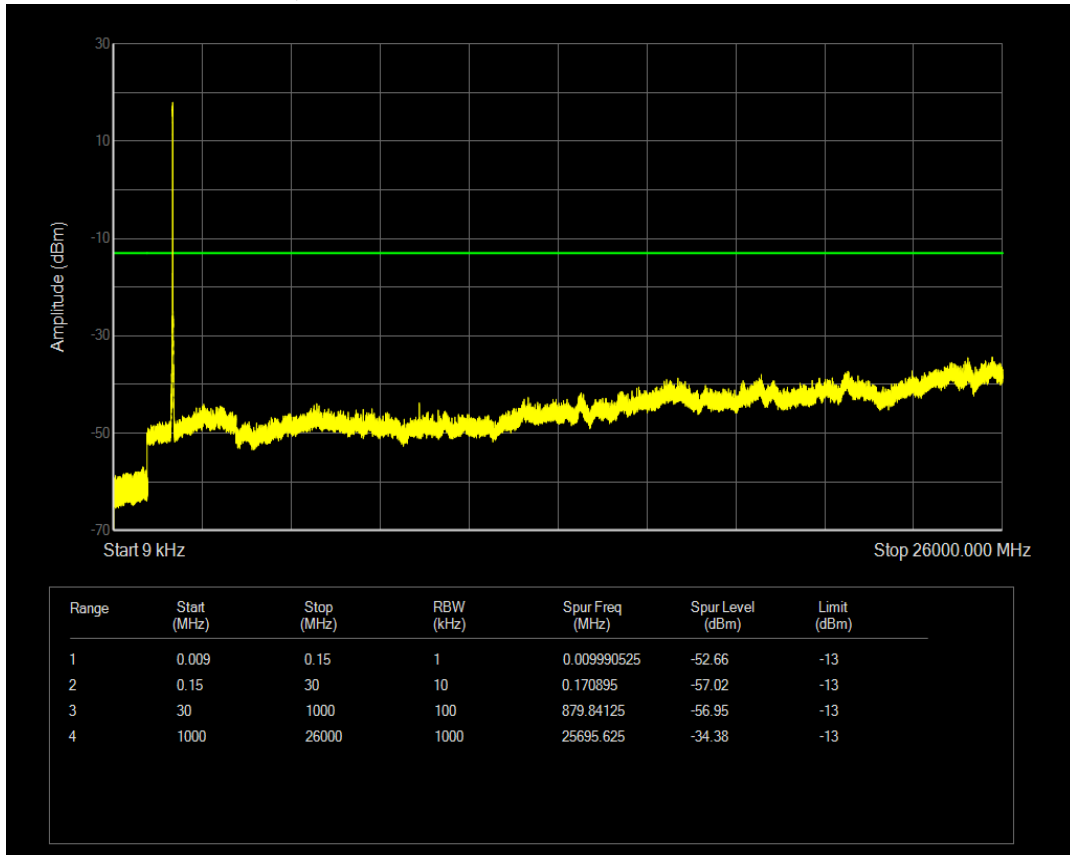
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



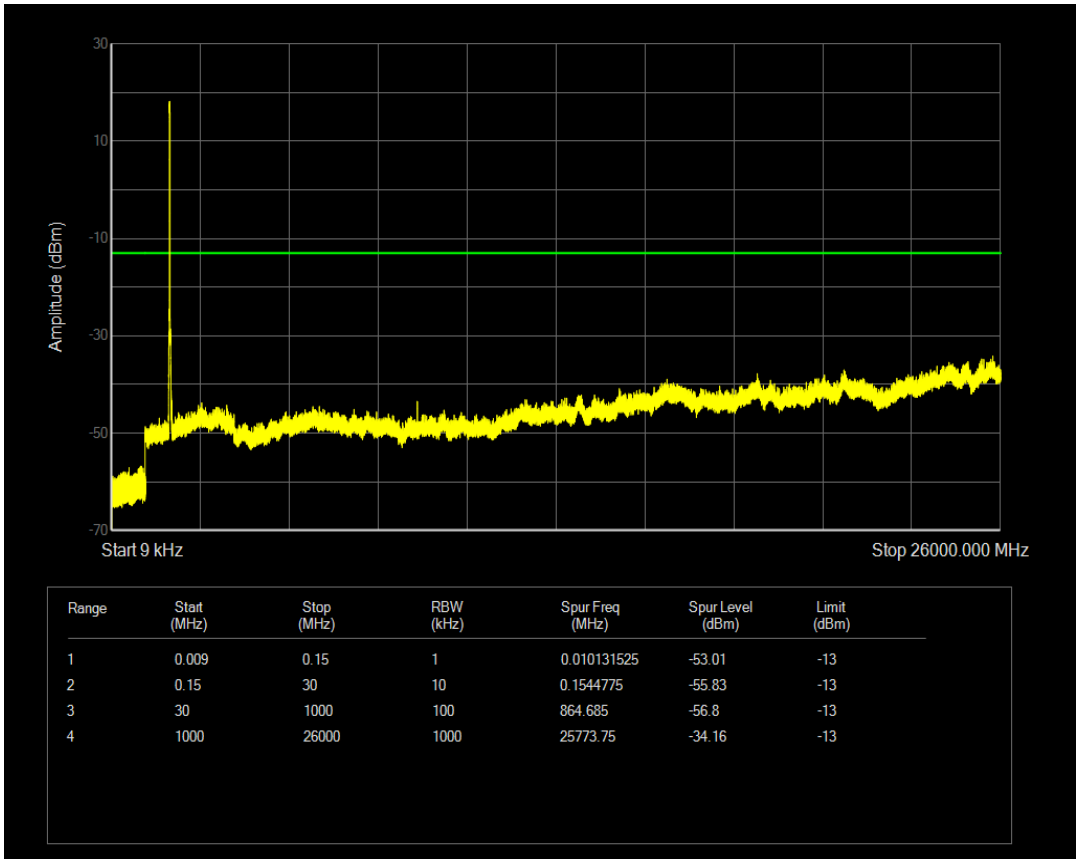
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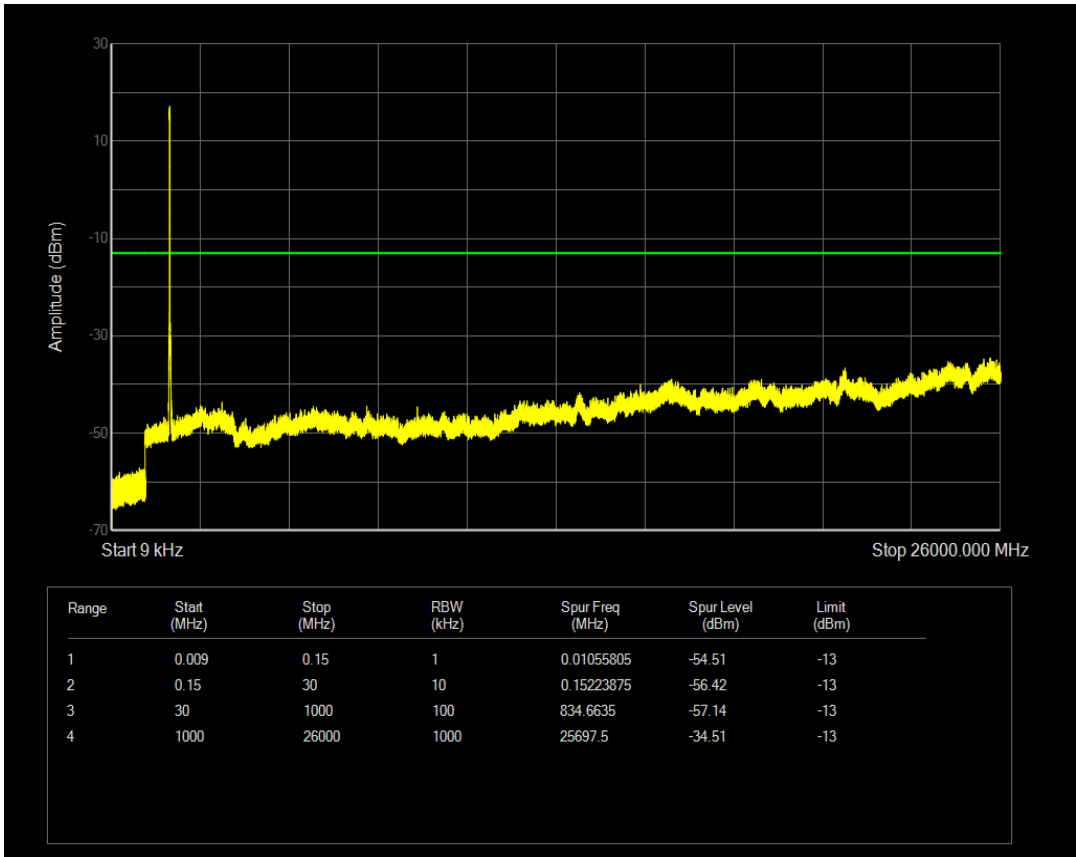
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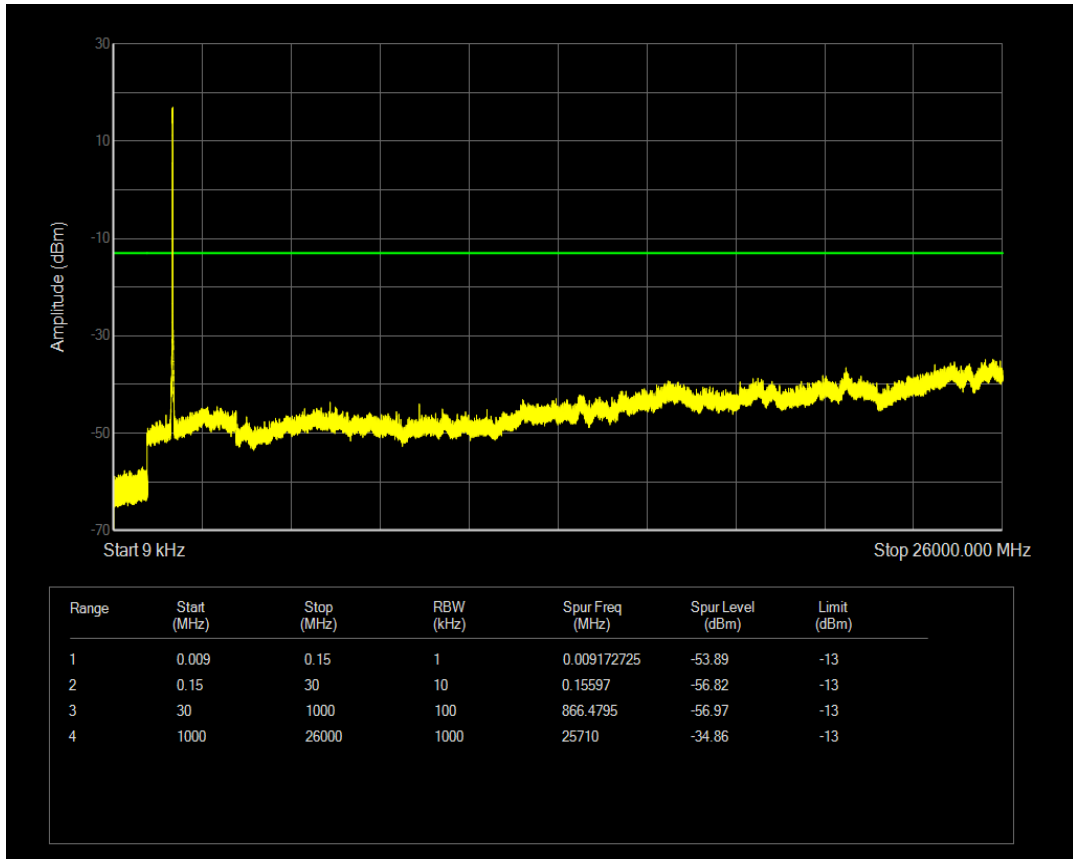
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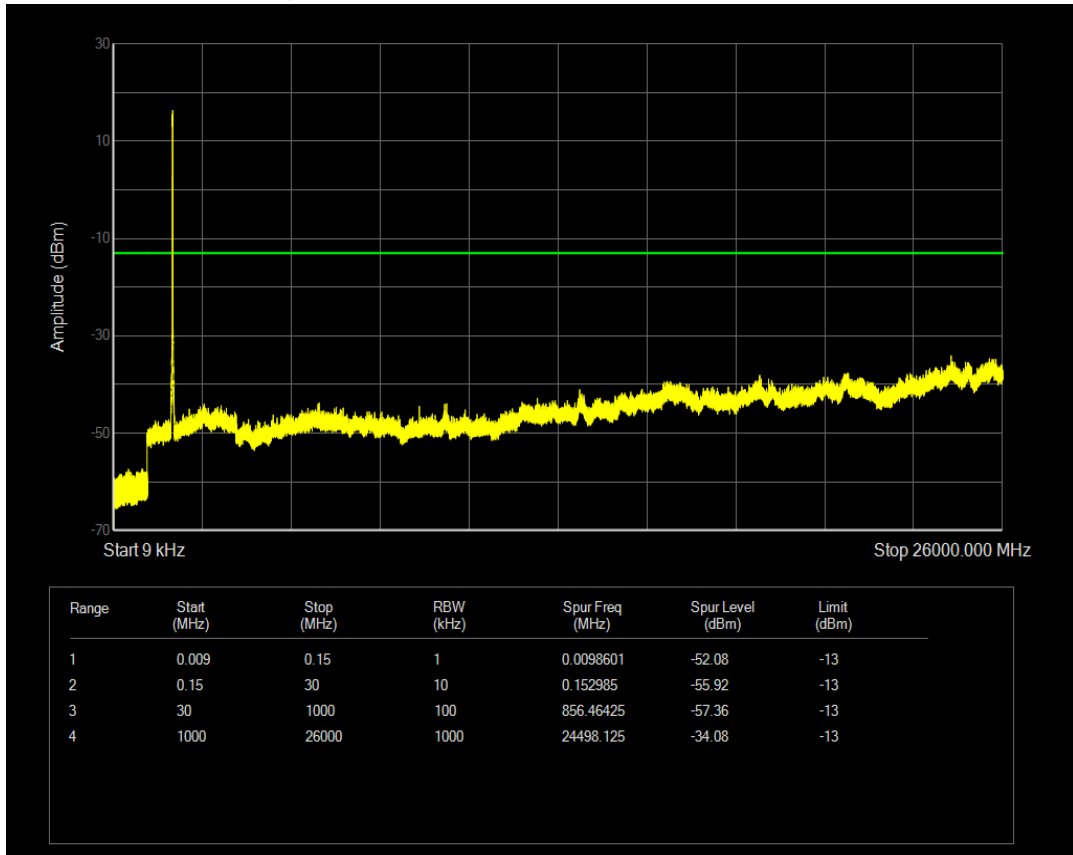
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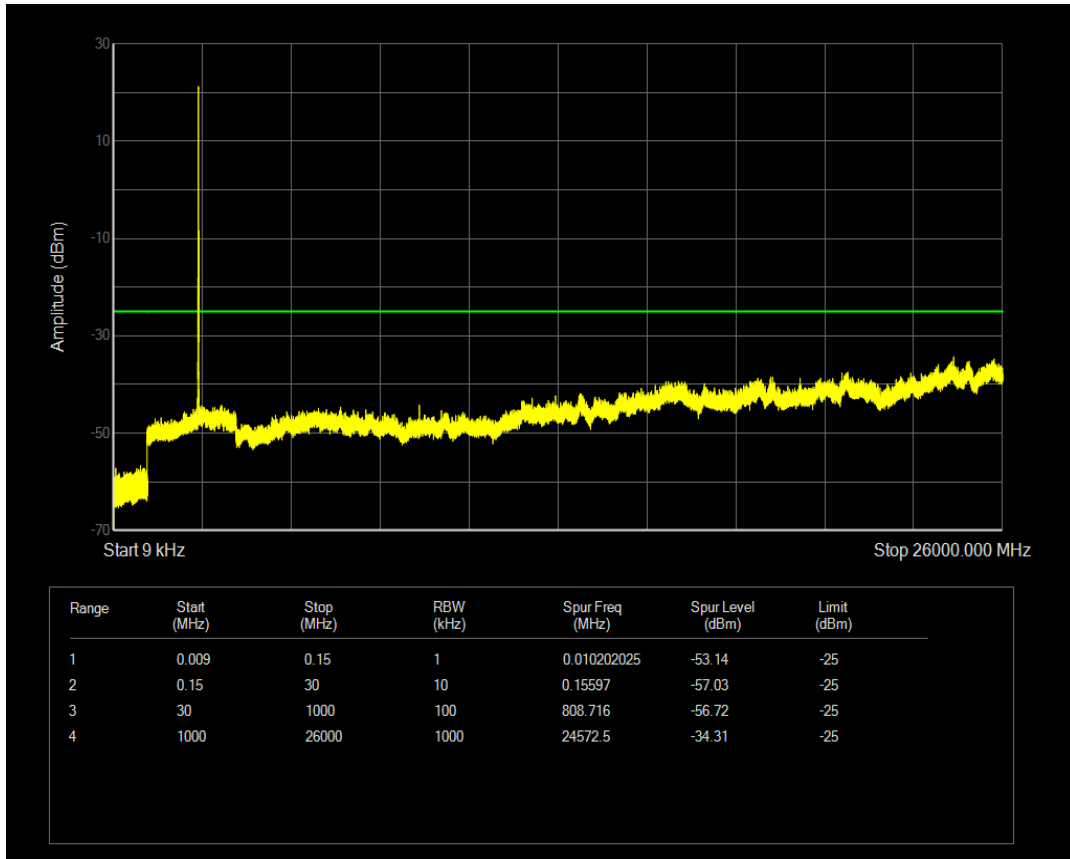
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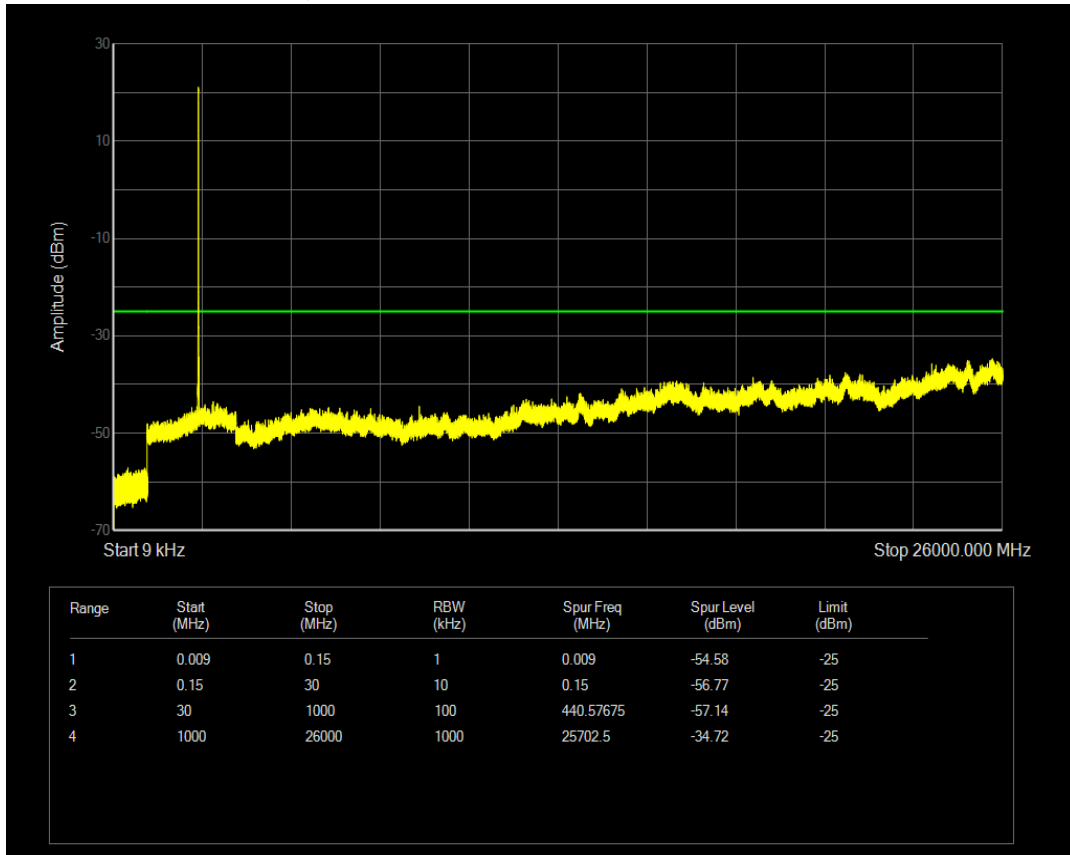
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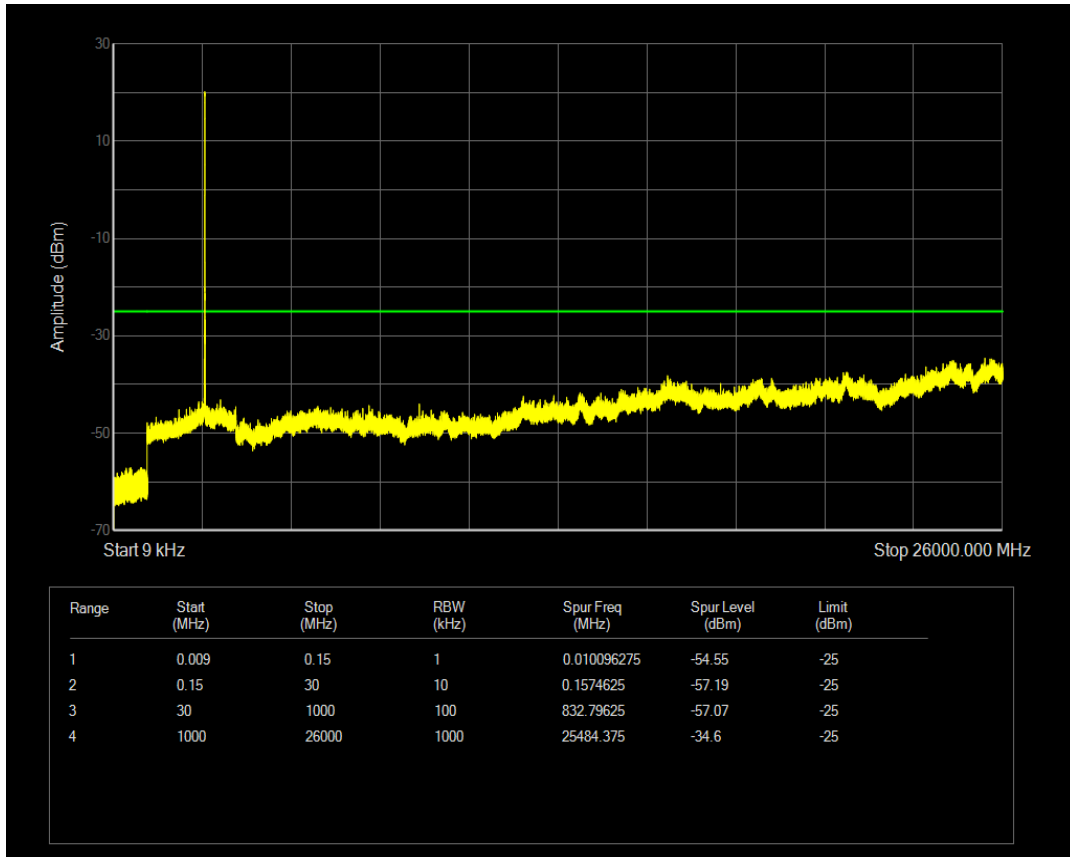
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



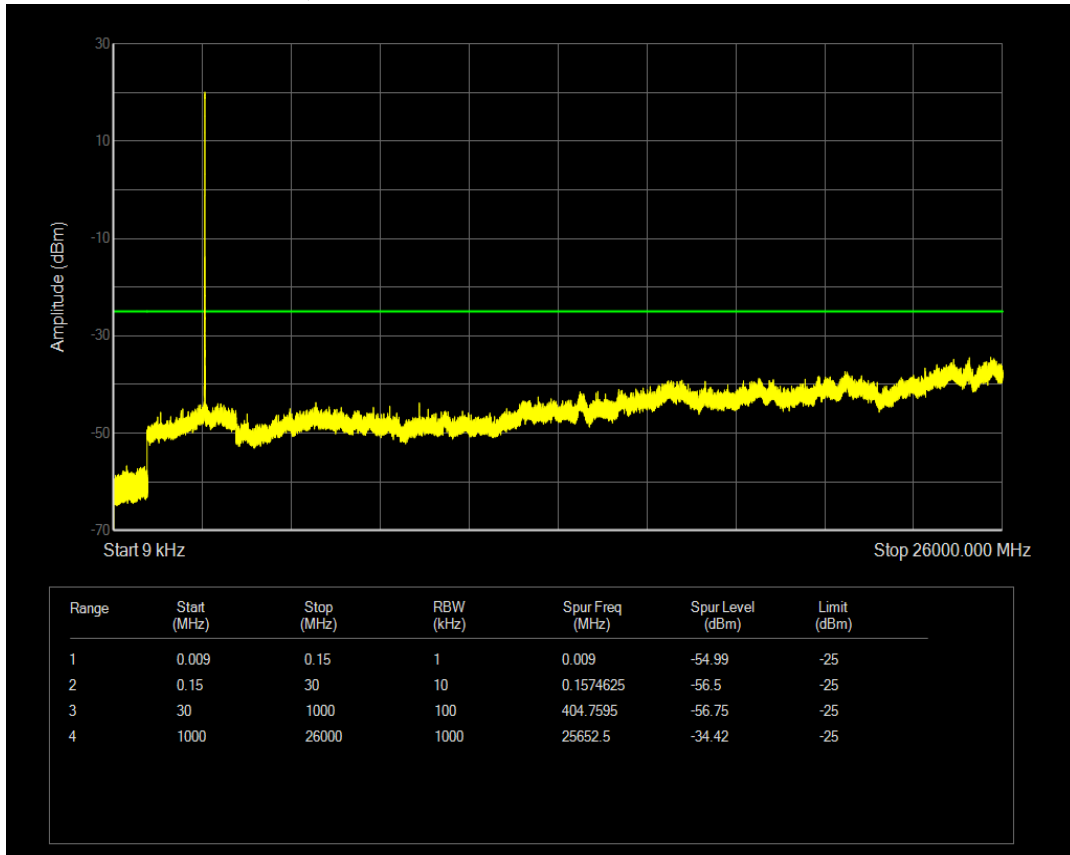
Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0



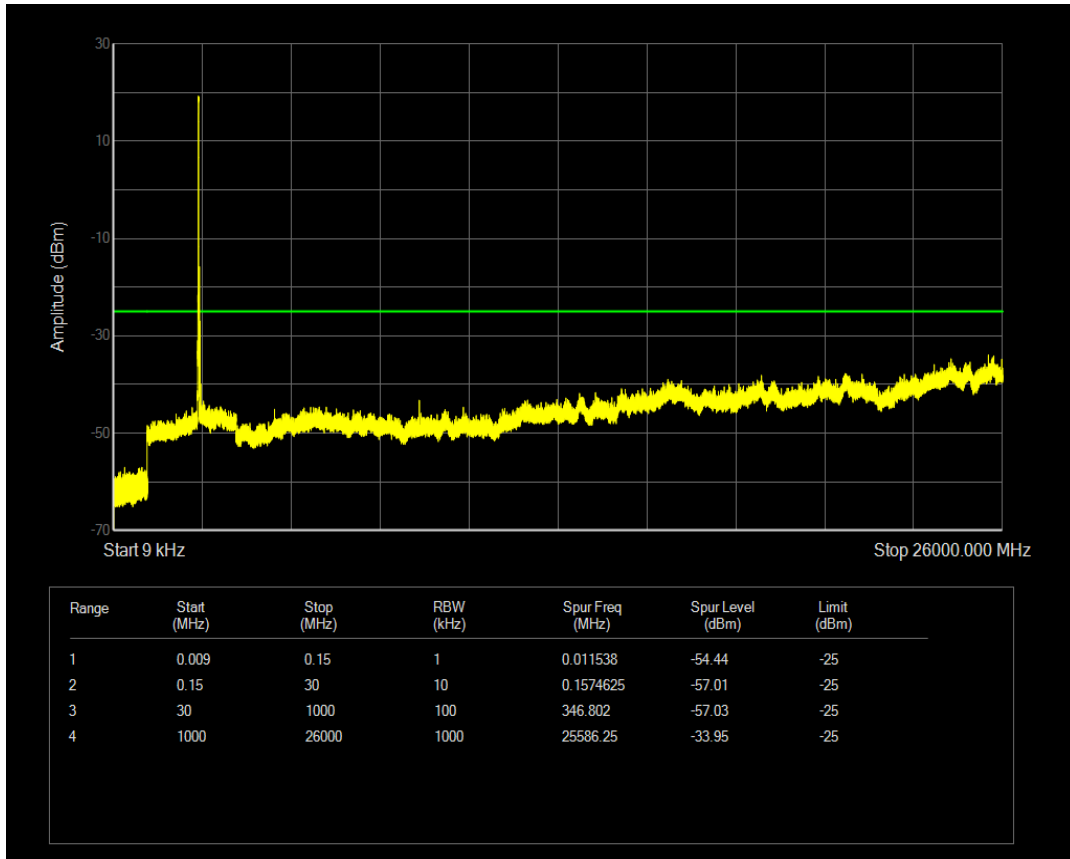
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



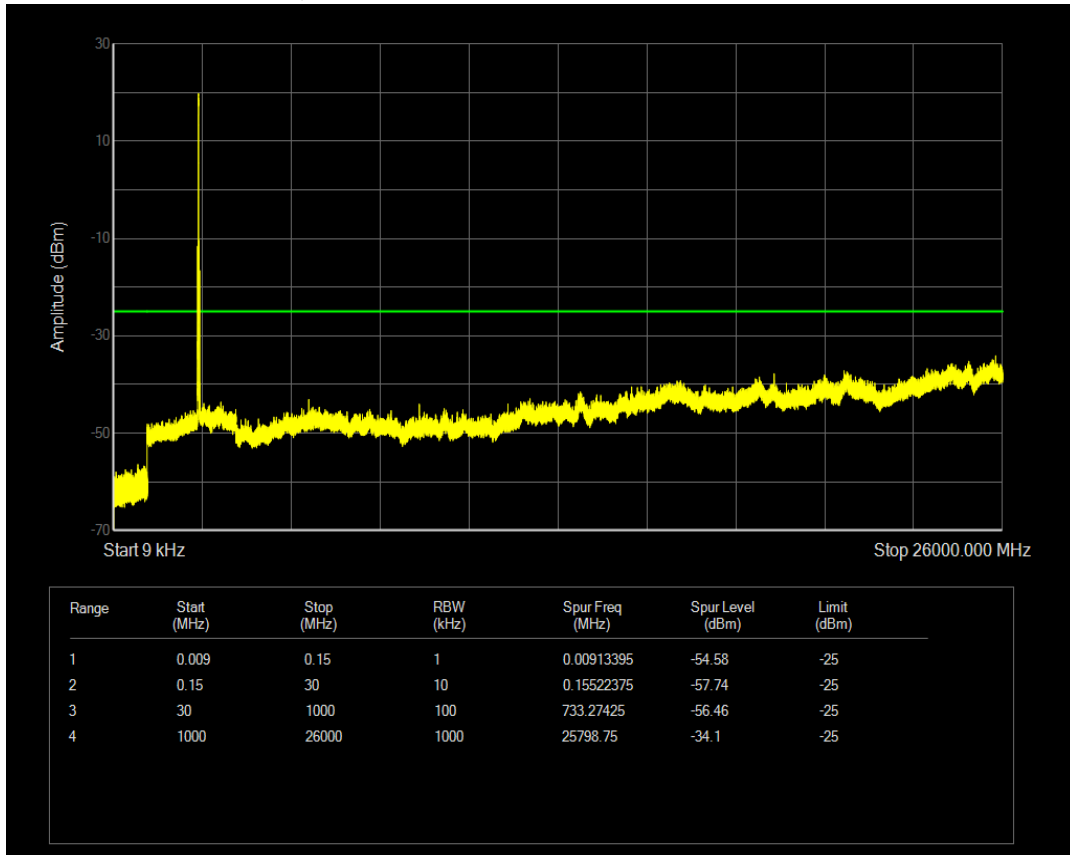
Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0



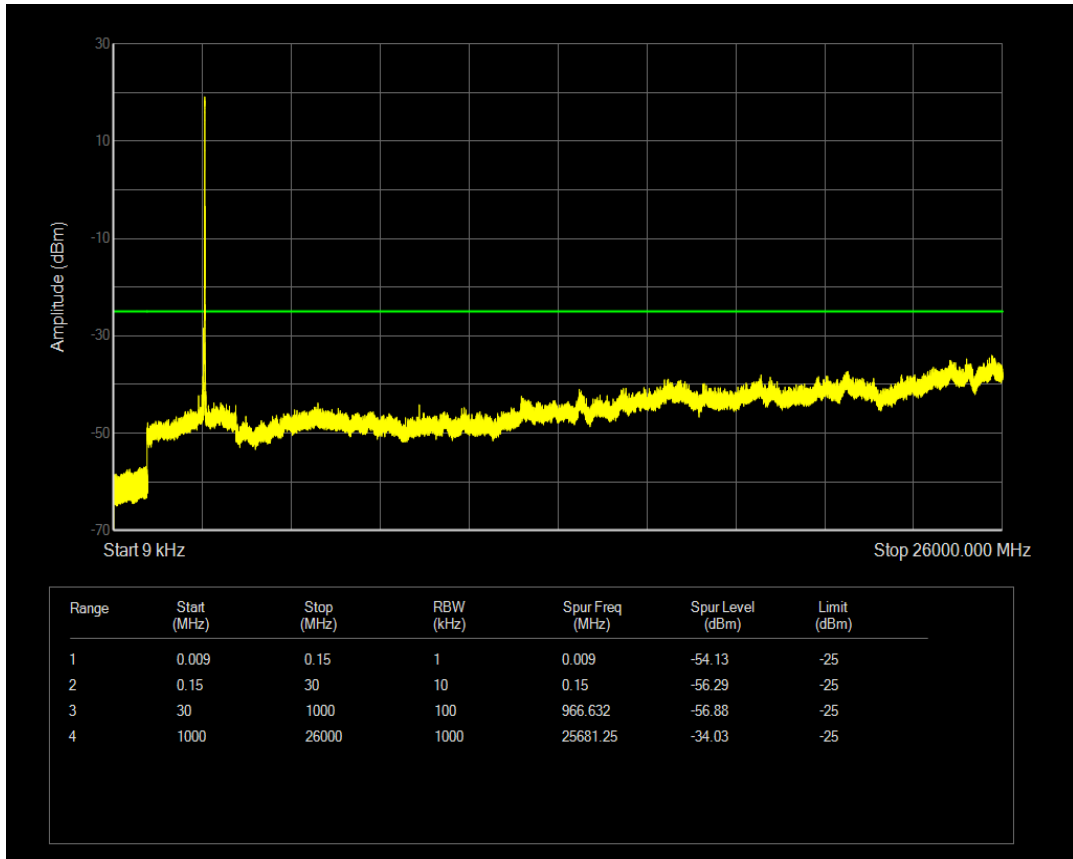
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



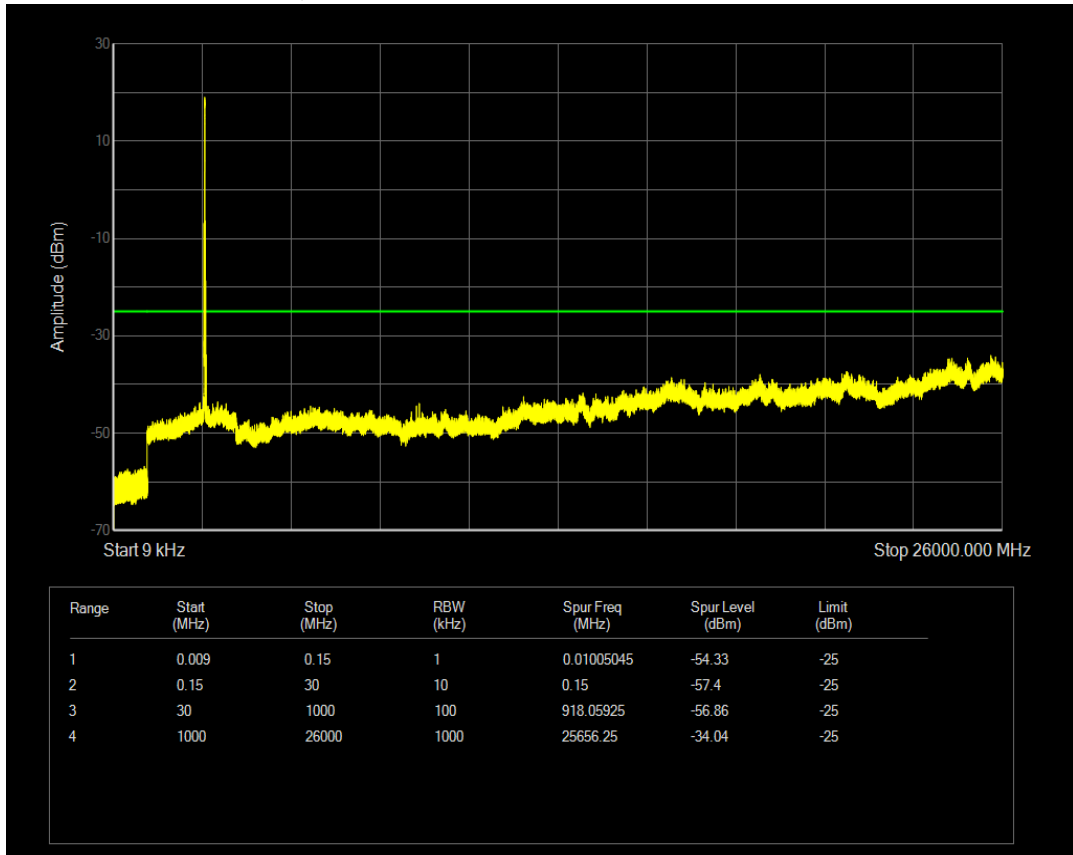
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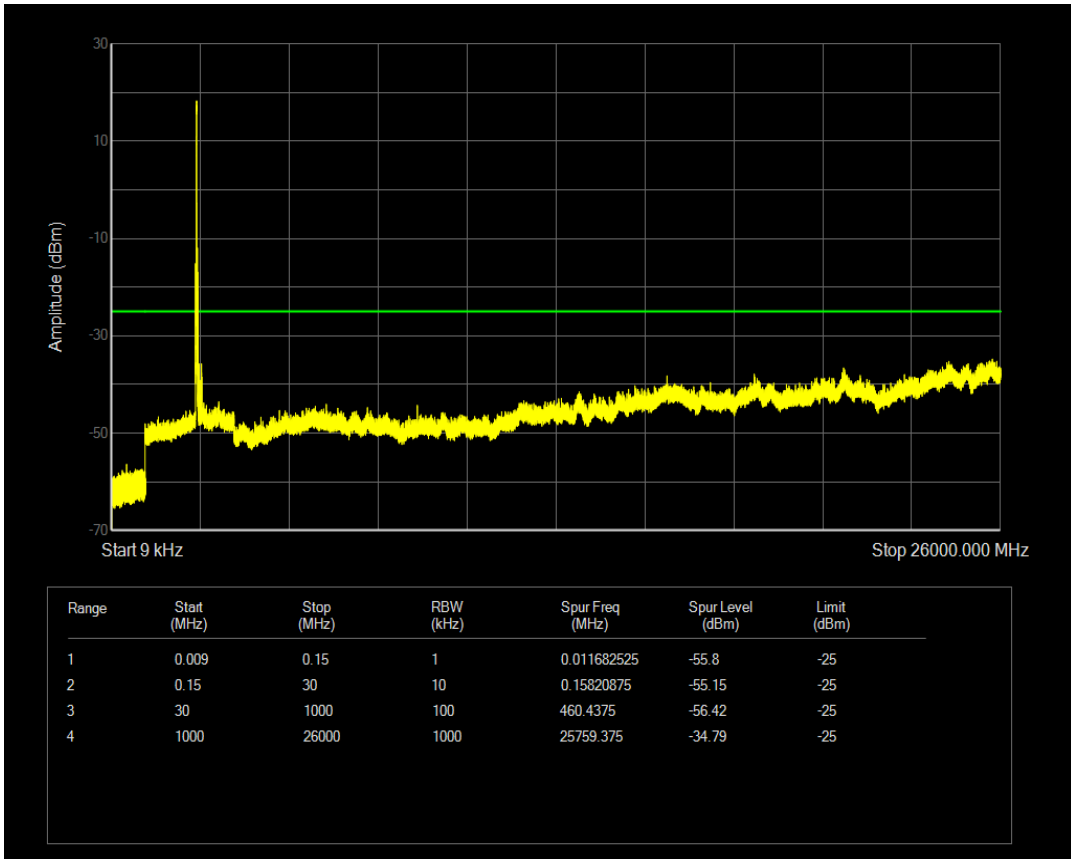
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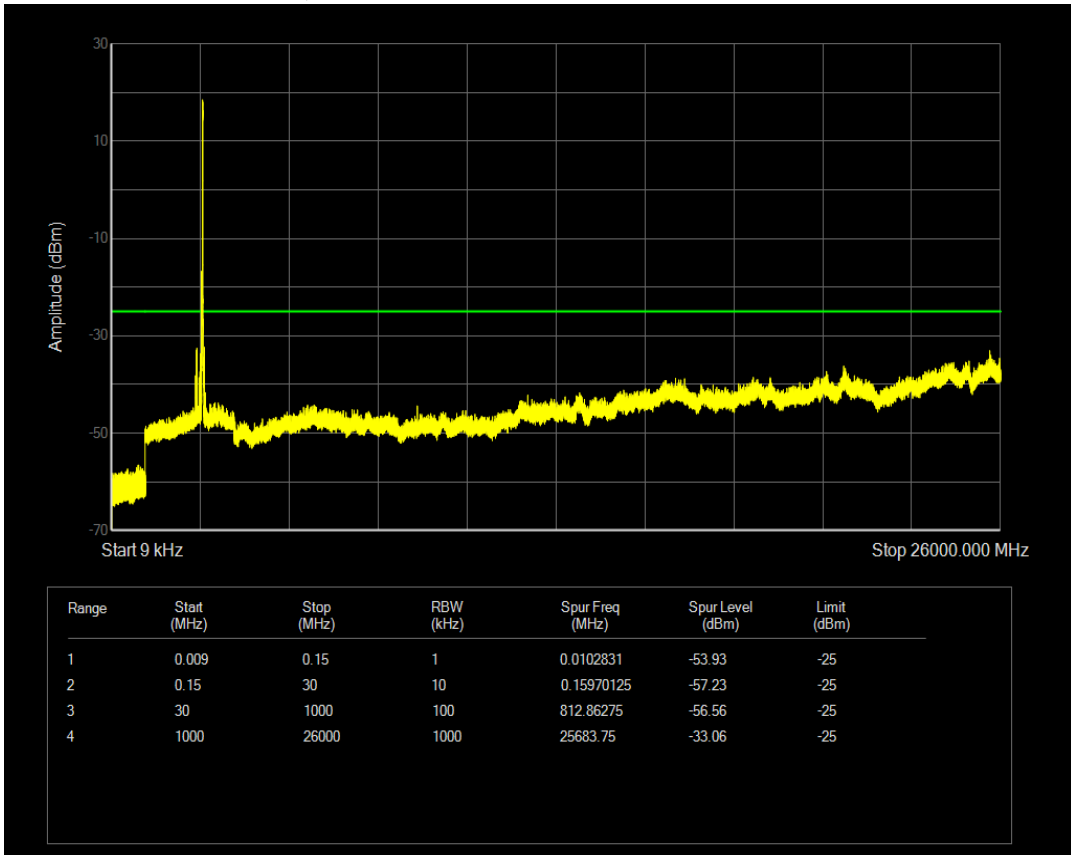
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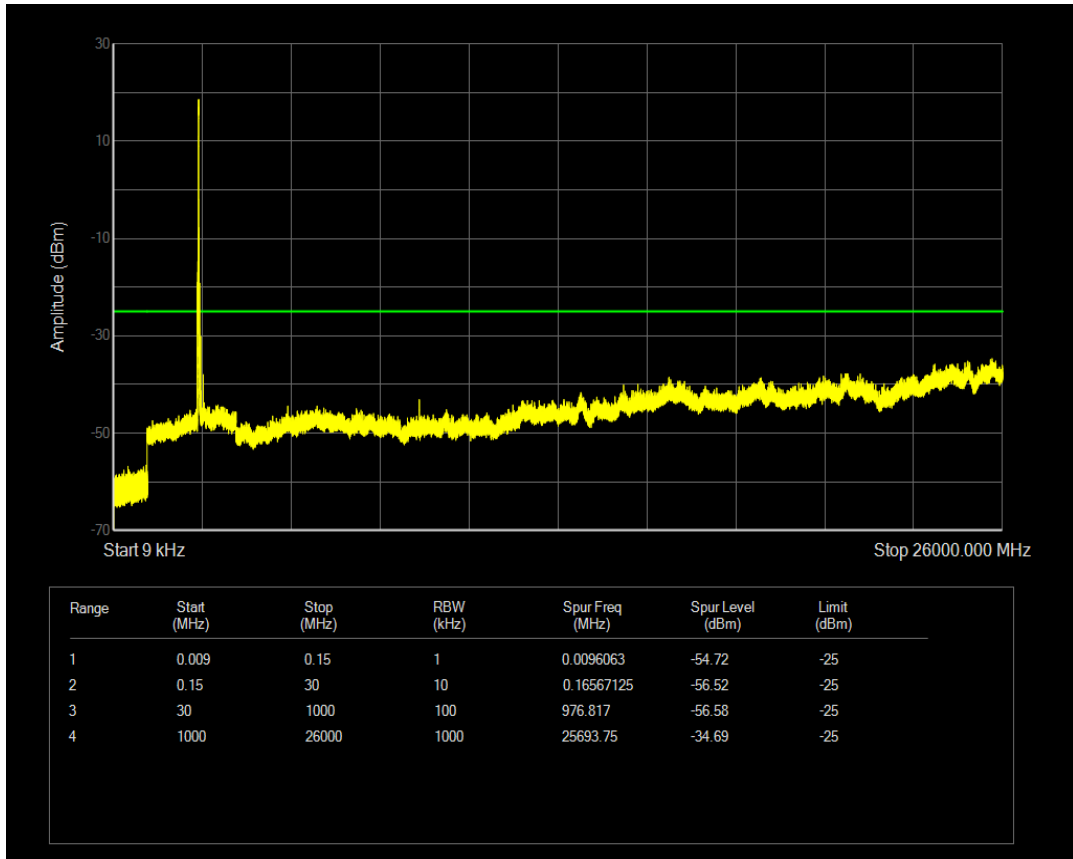
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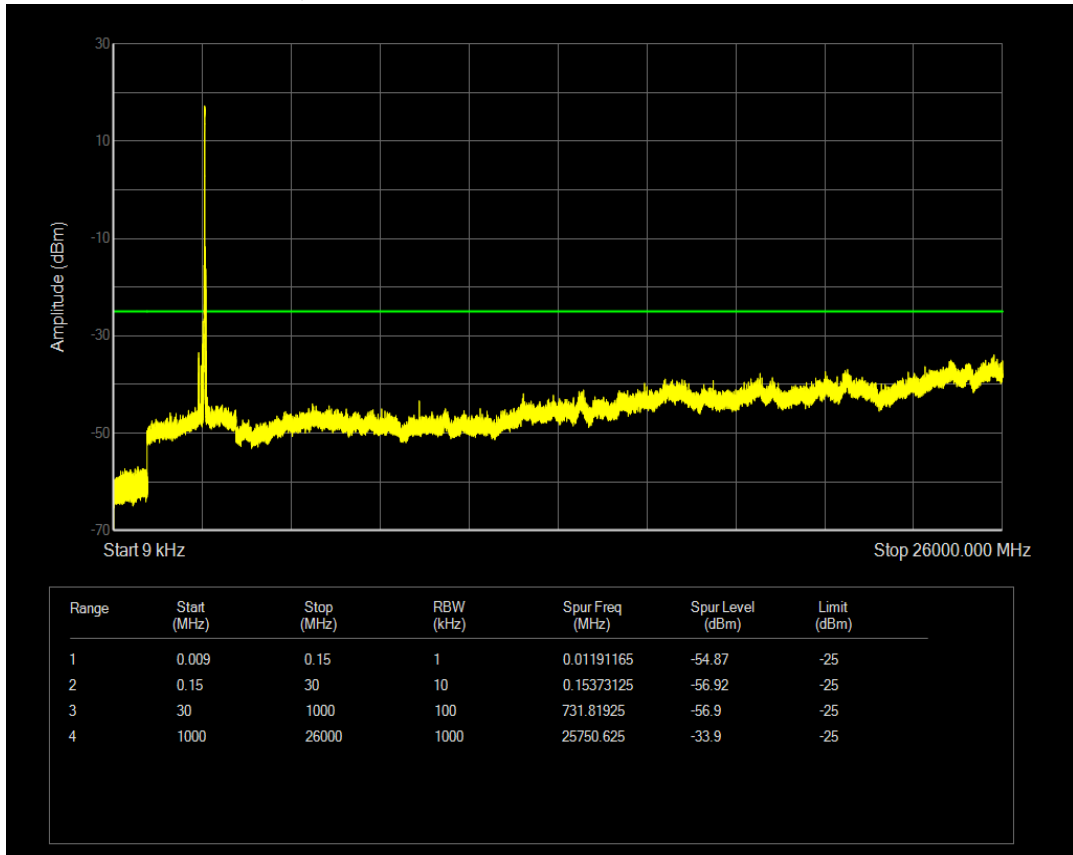
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



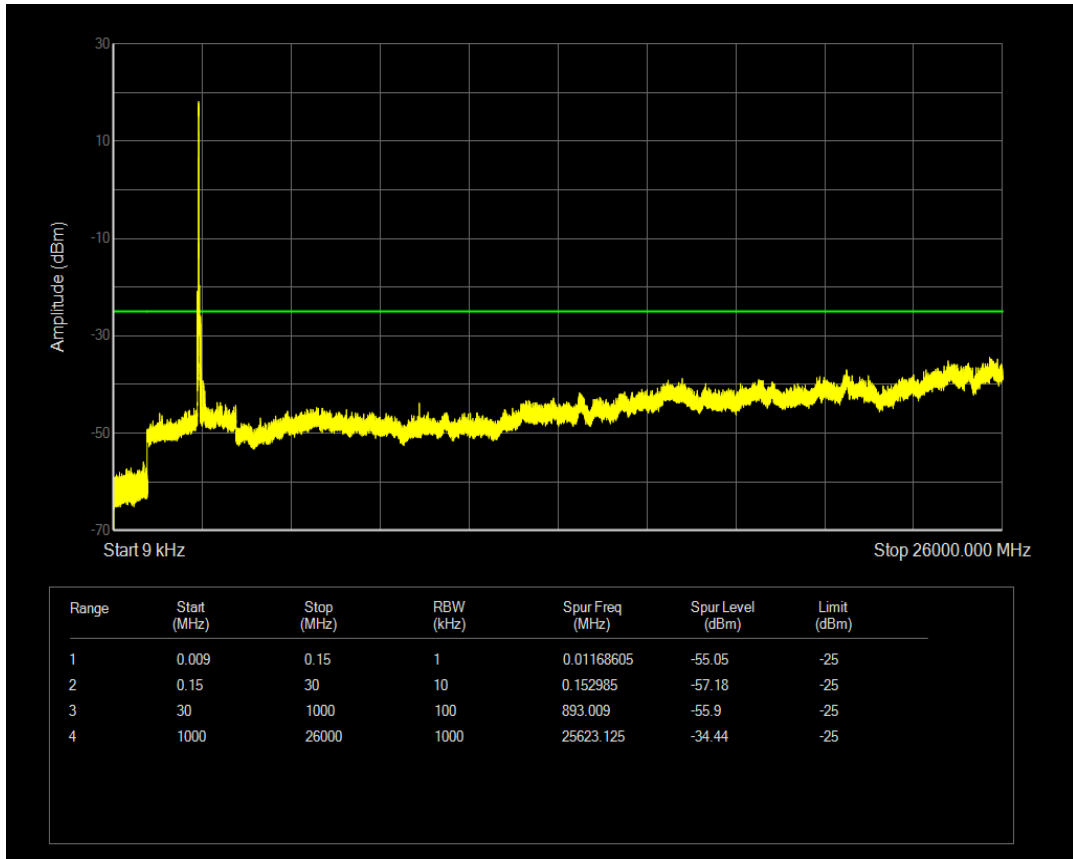
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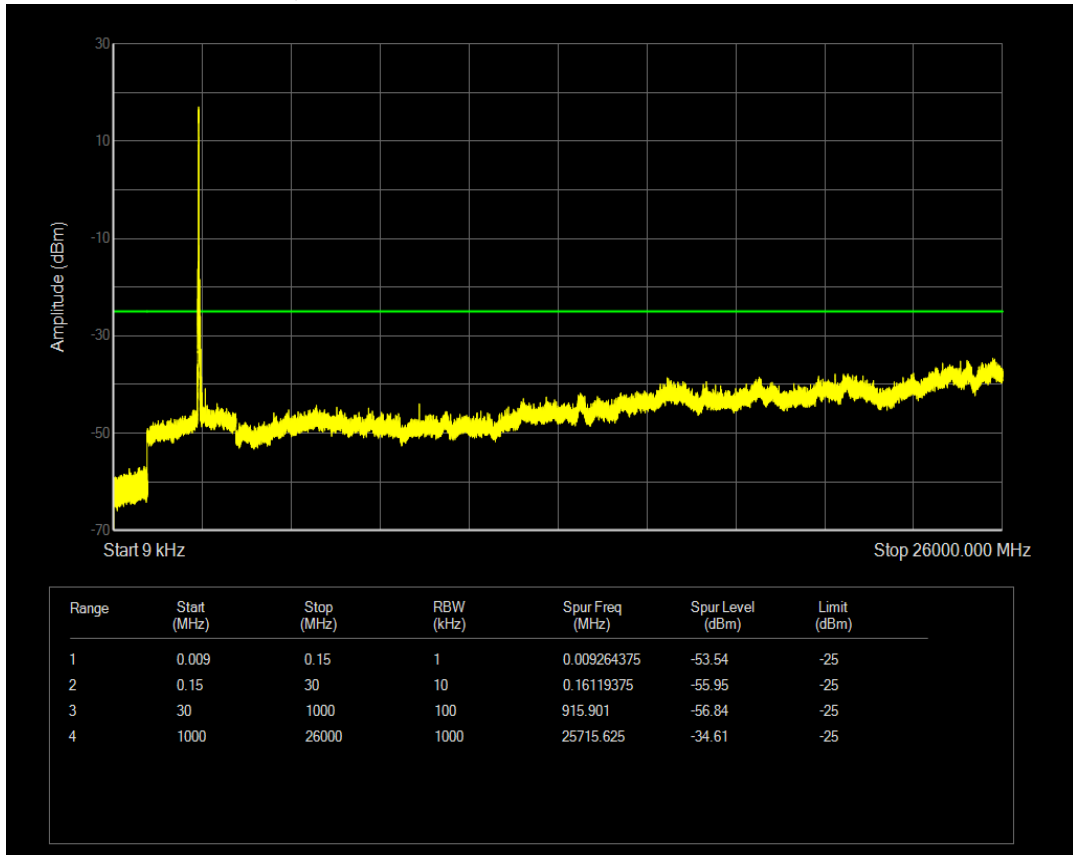
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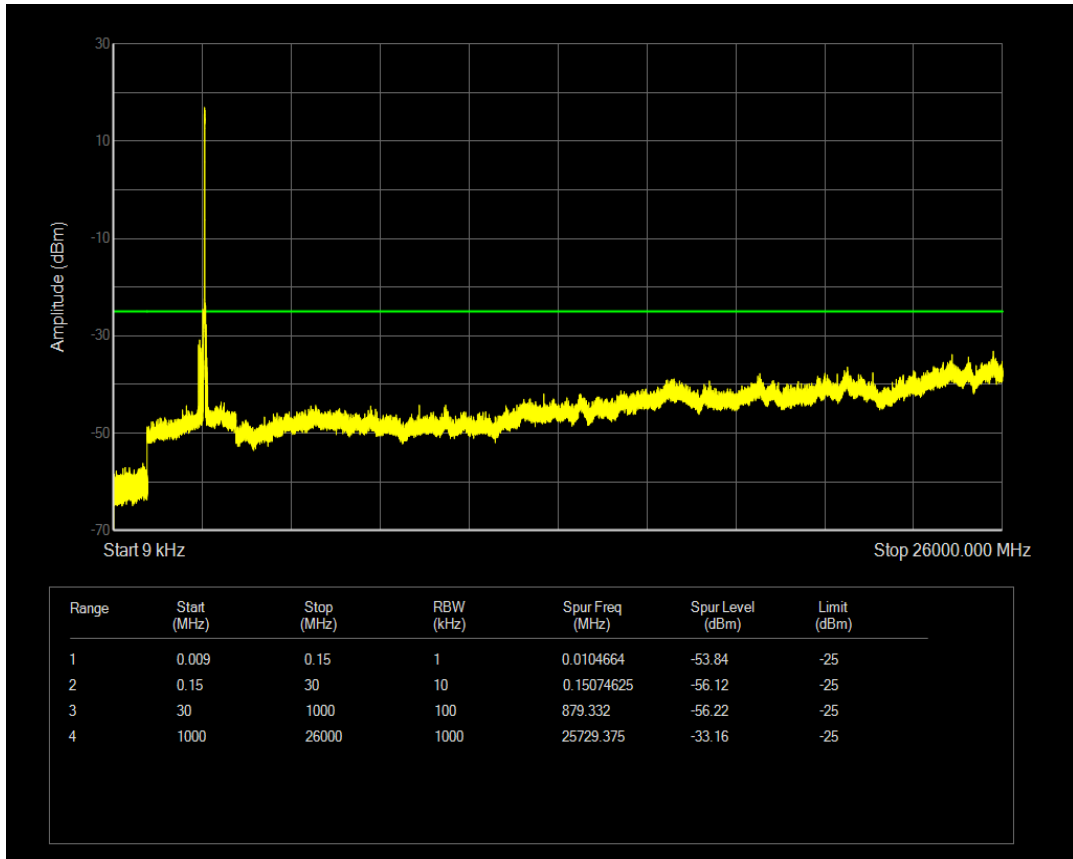
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



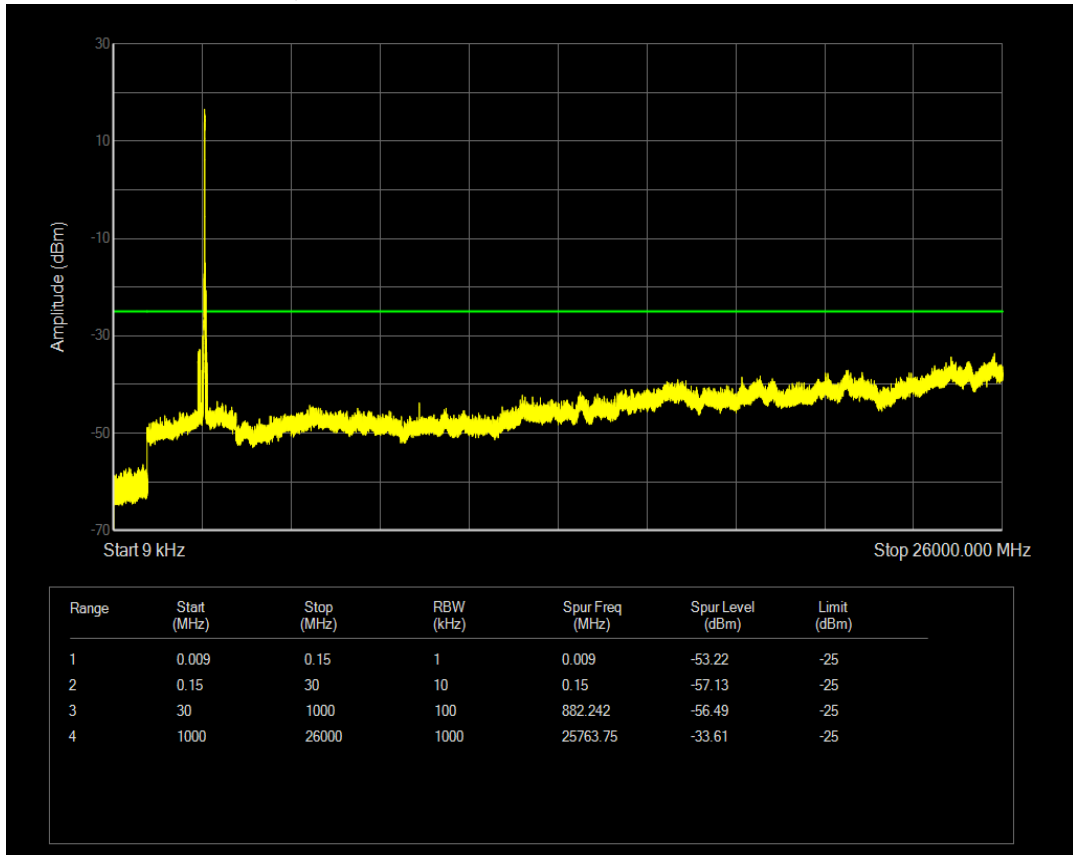
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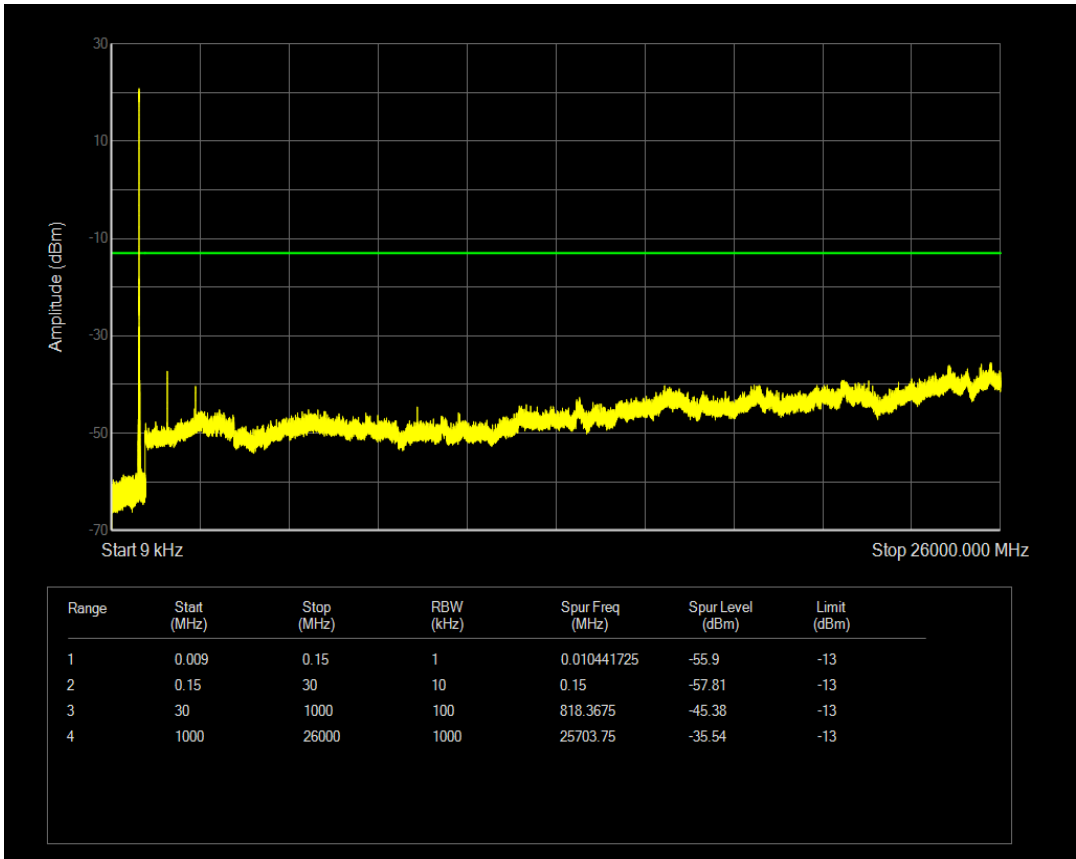
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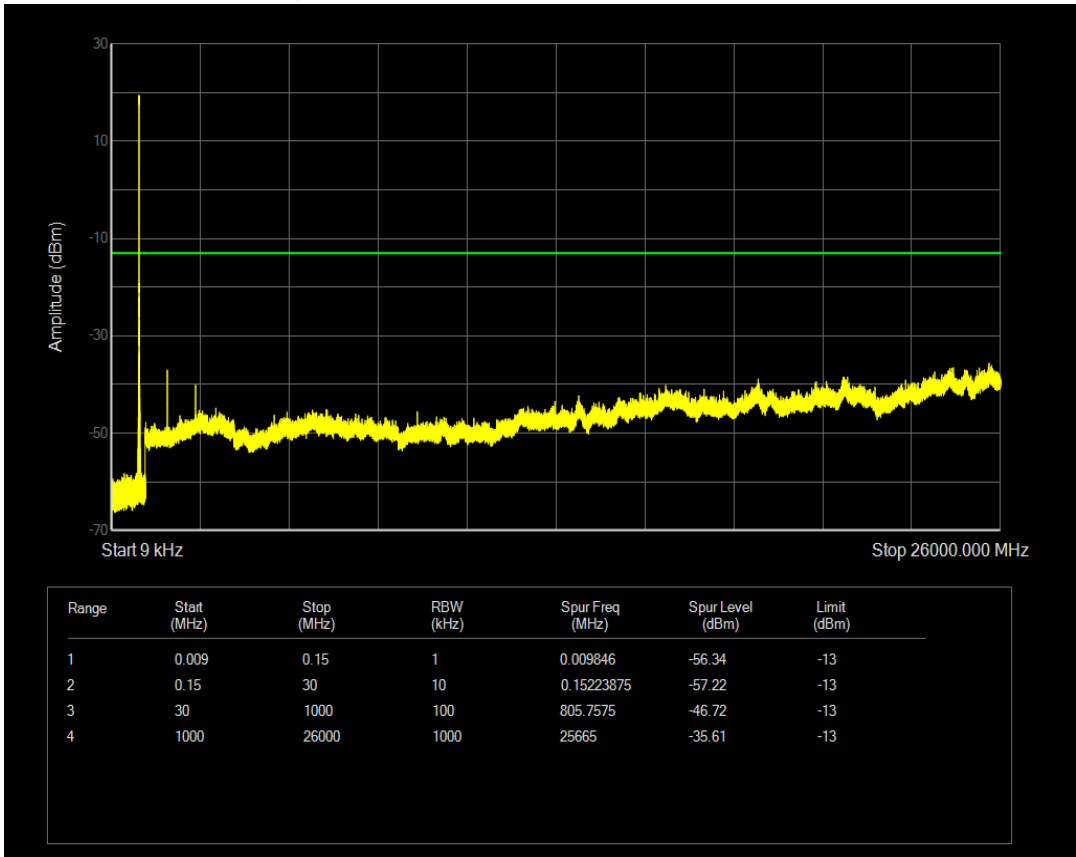
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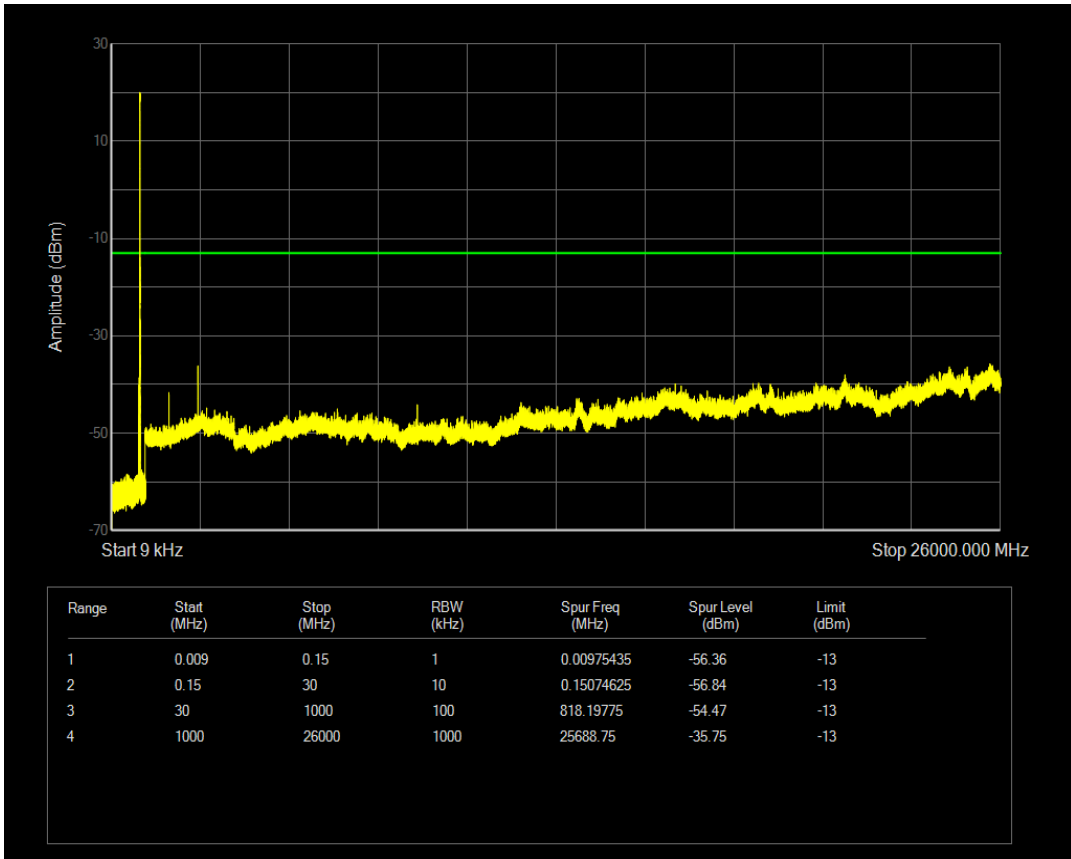
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



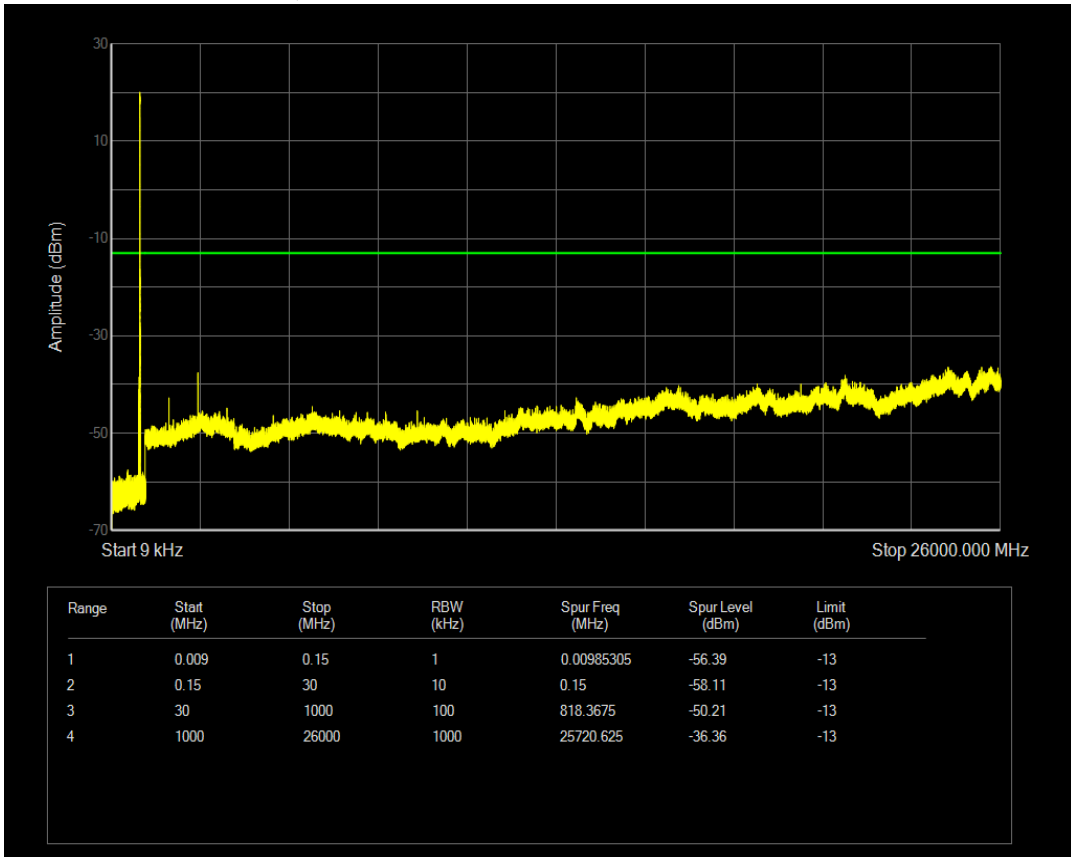
Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



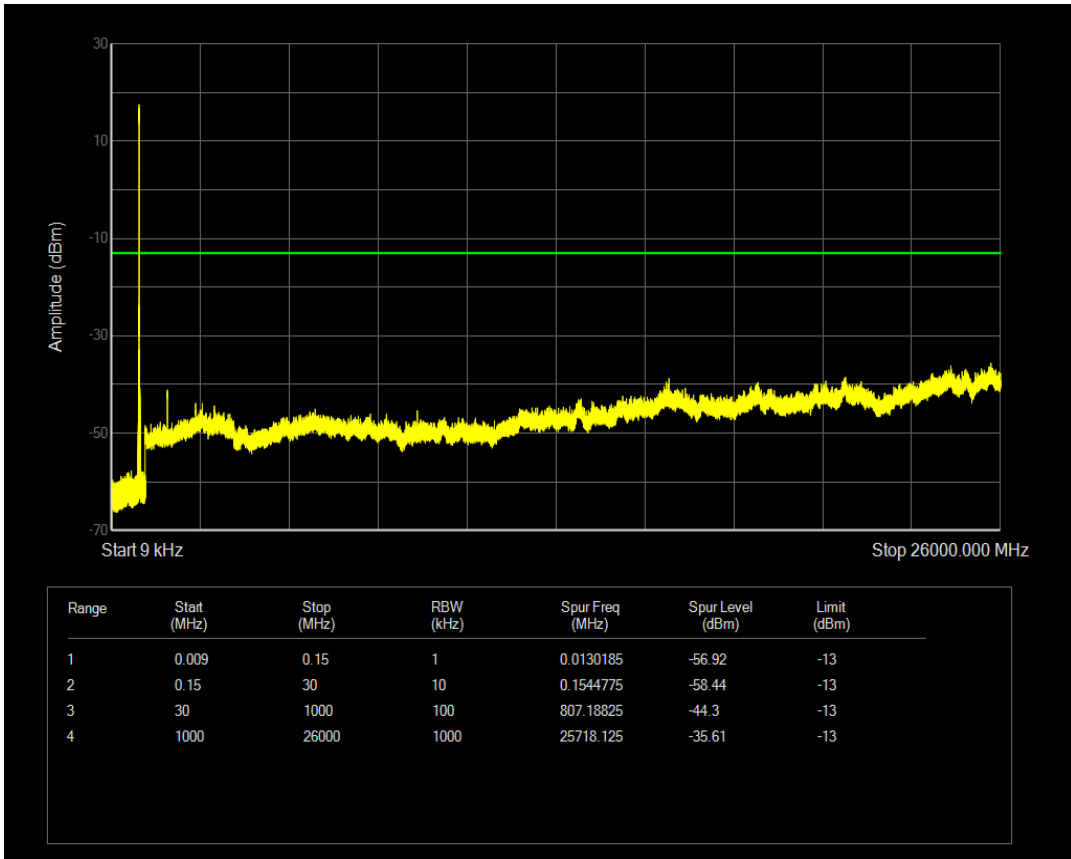
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



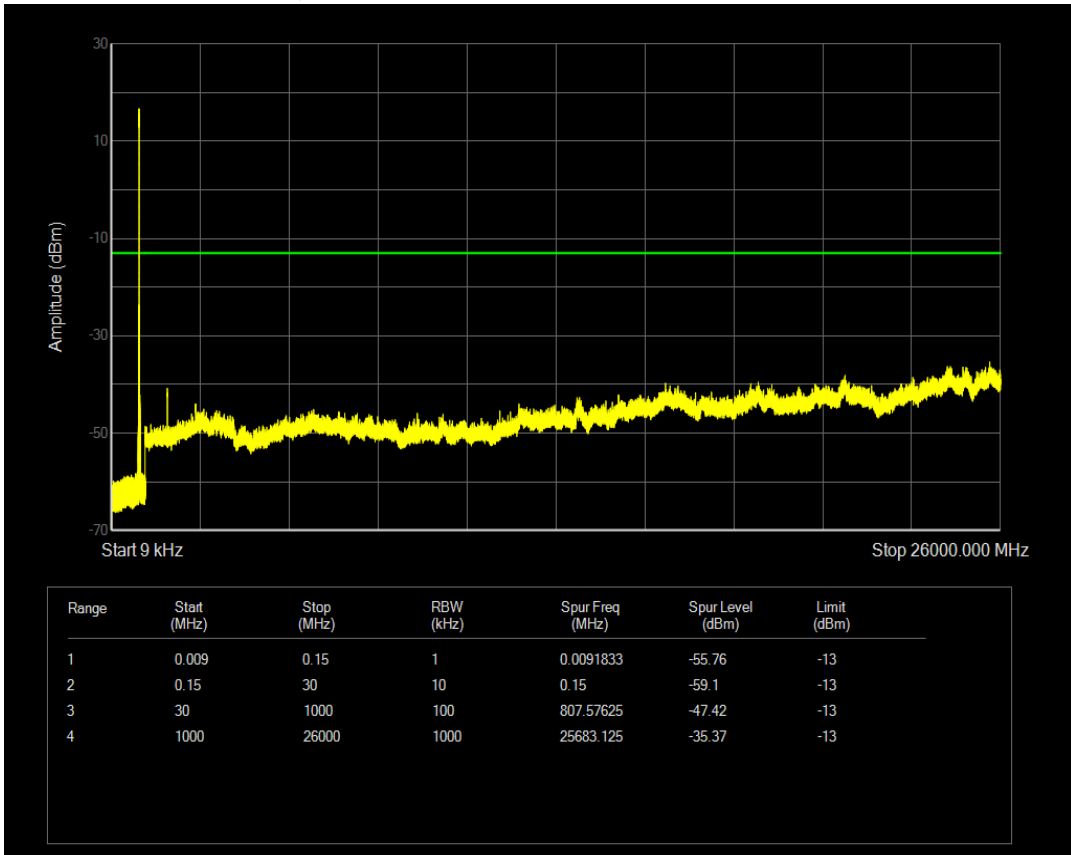
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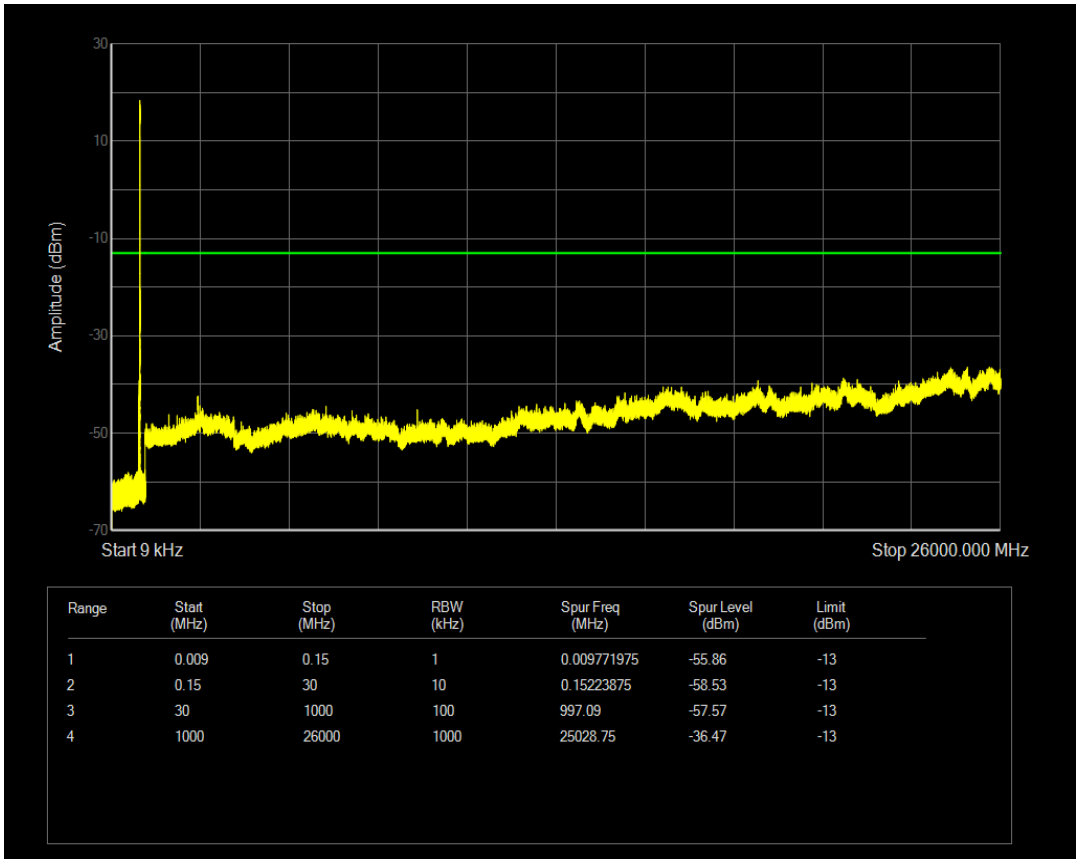
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



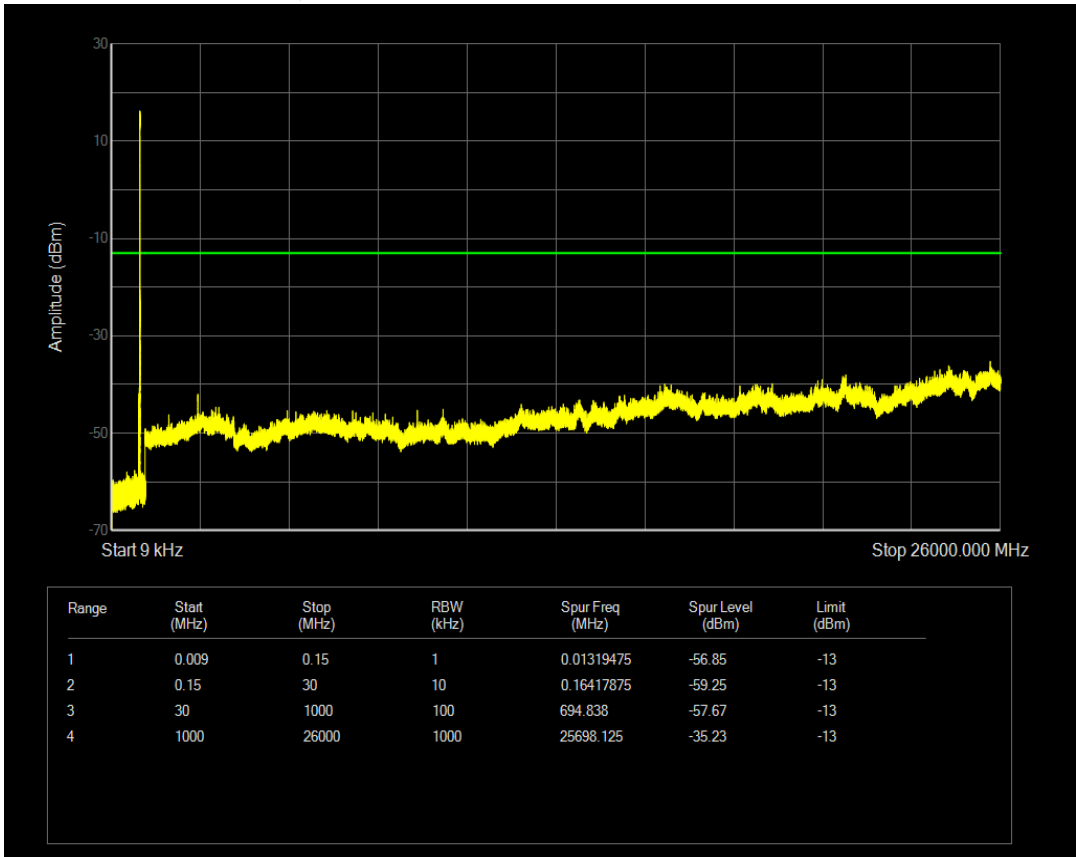
Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



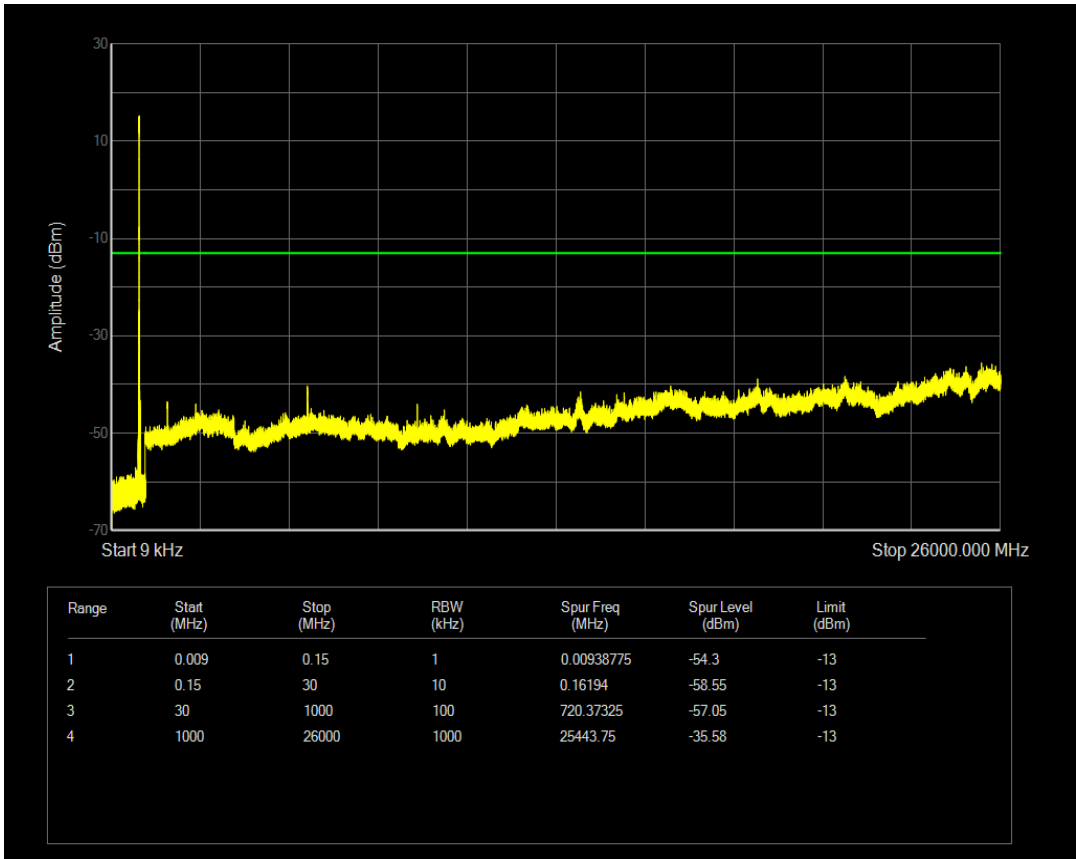
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



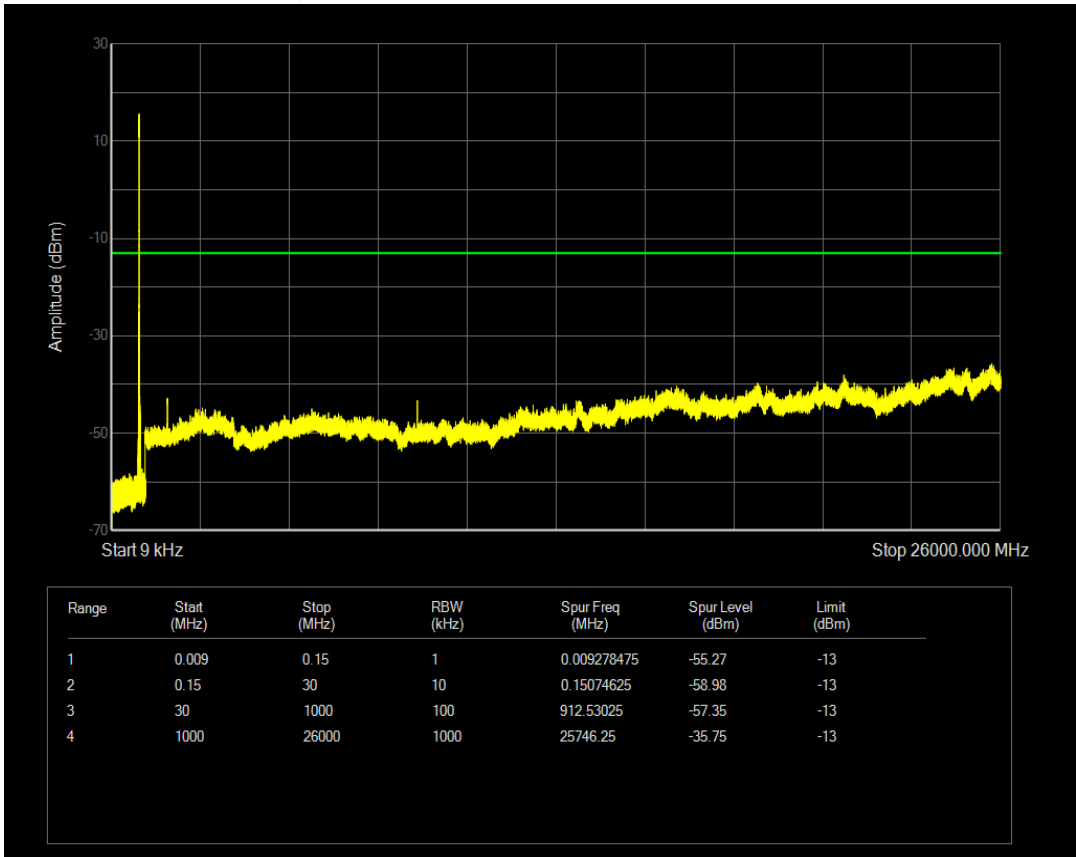
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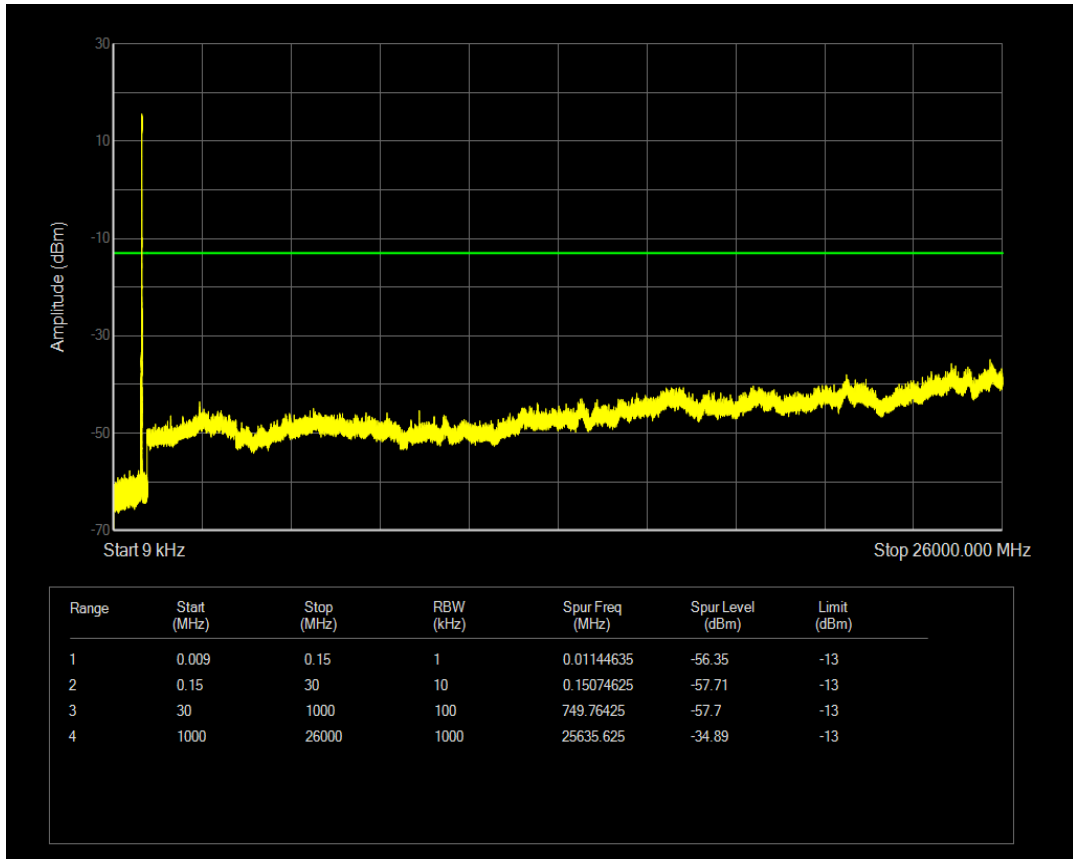
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



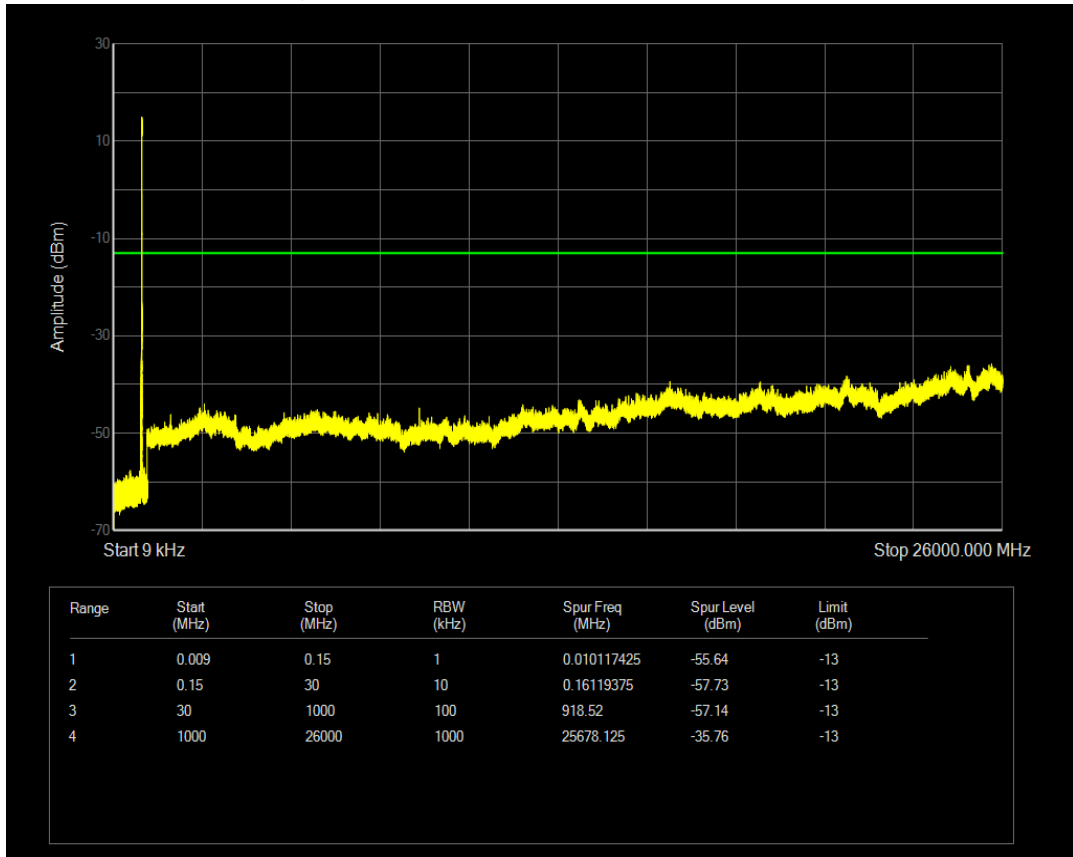
Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



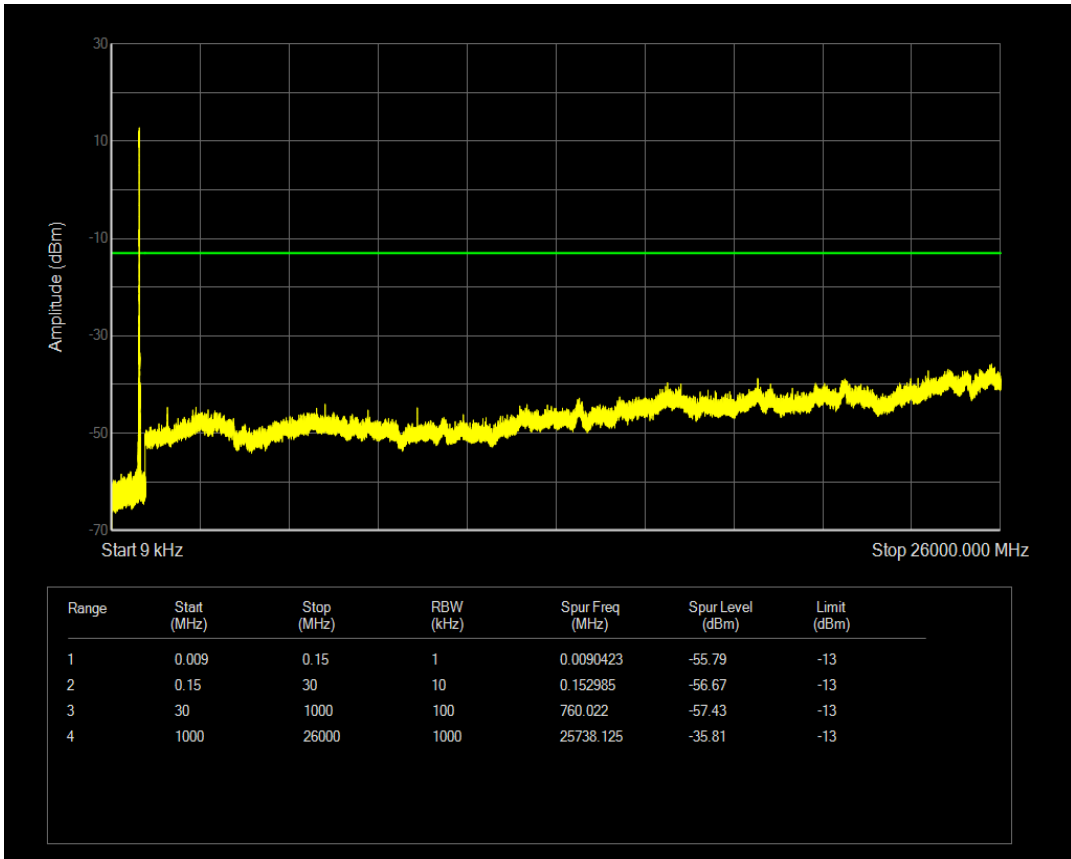
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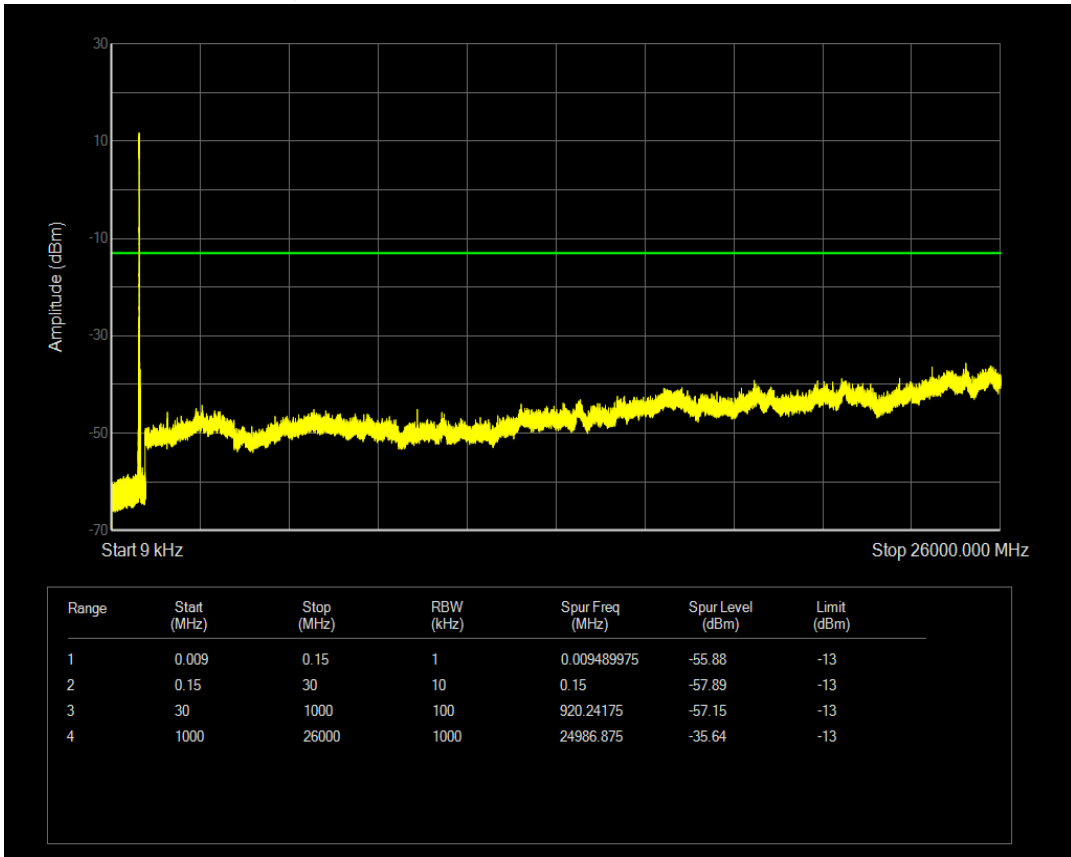
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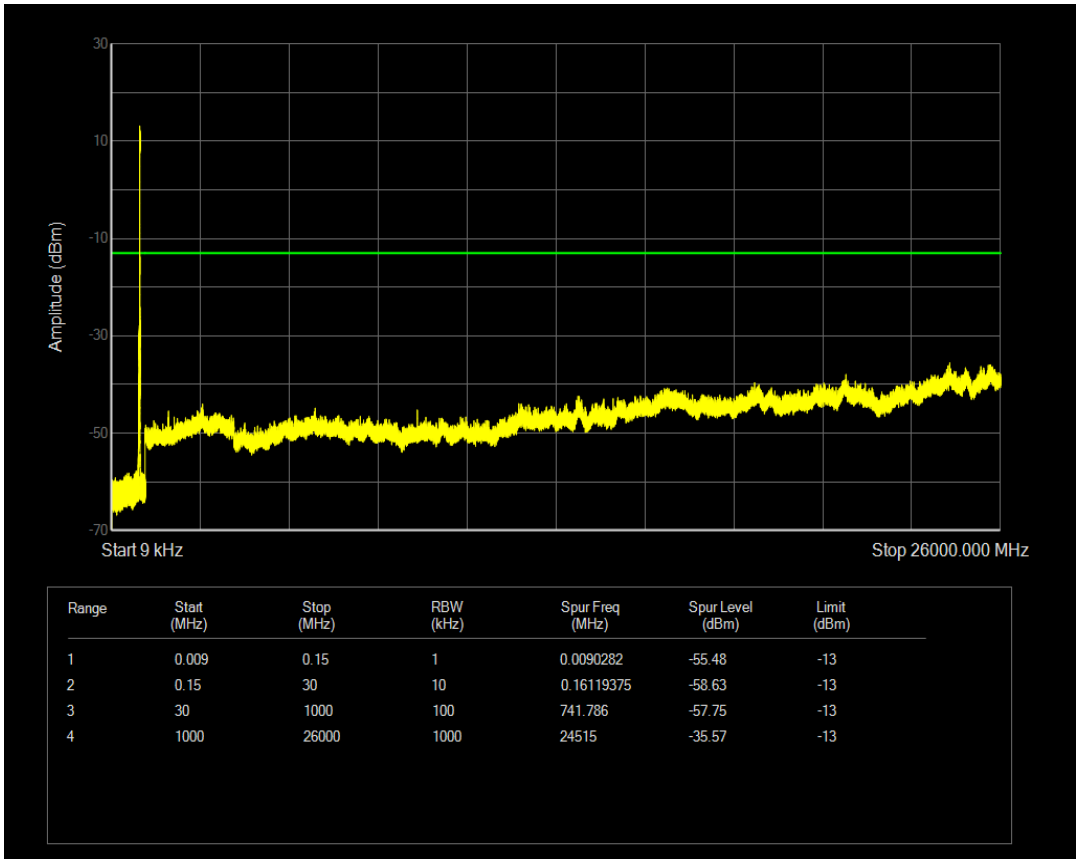
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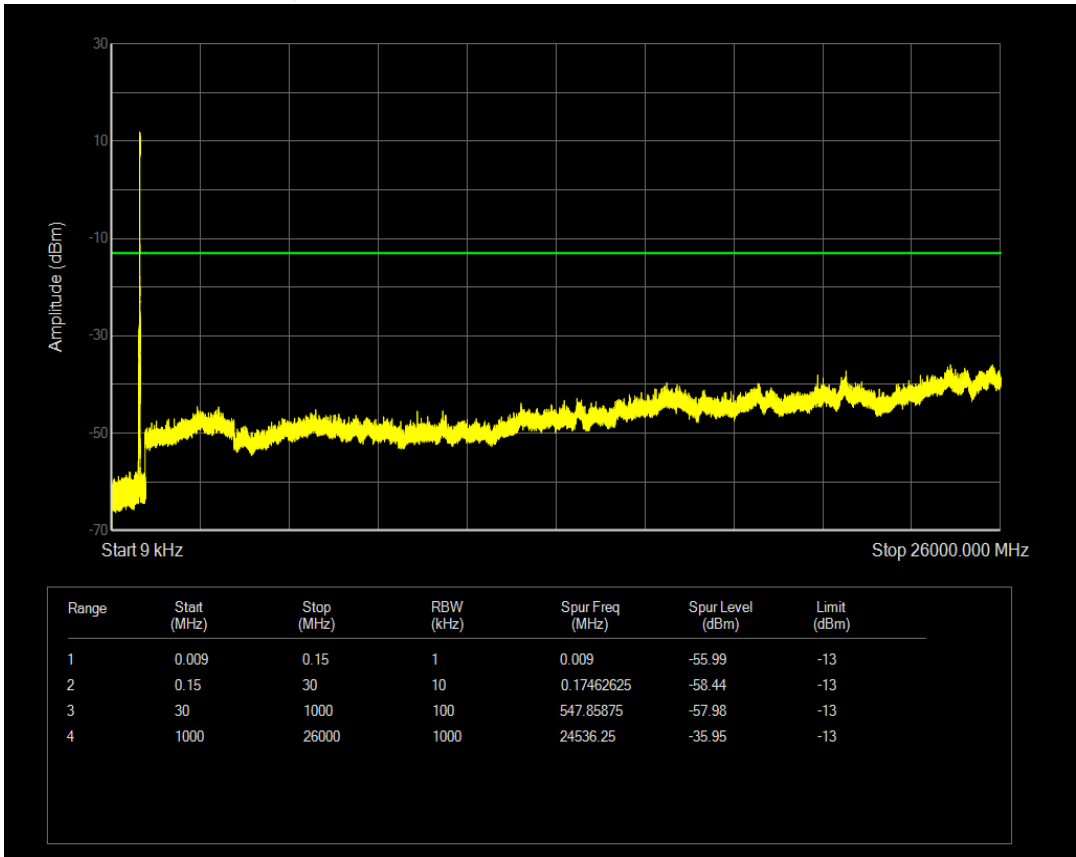
Band5 QAM16 BW=10MHz Channel=20450 RB Size=50 Position=#0



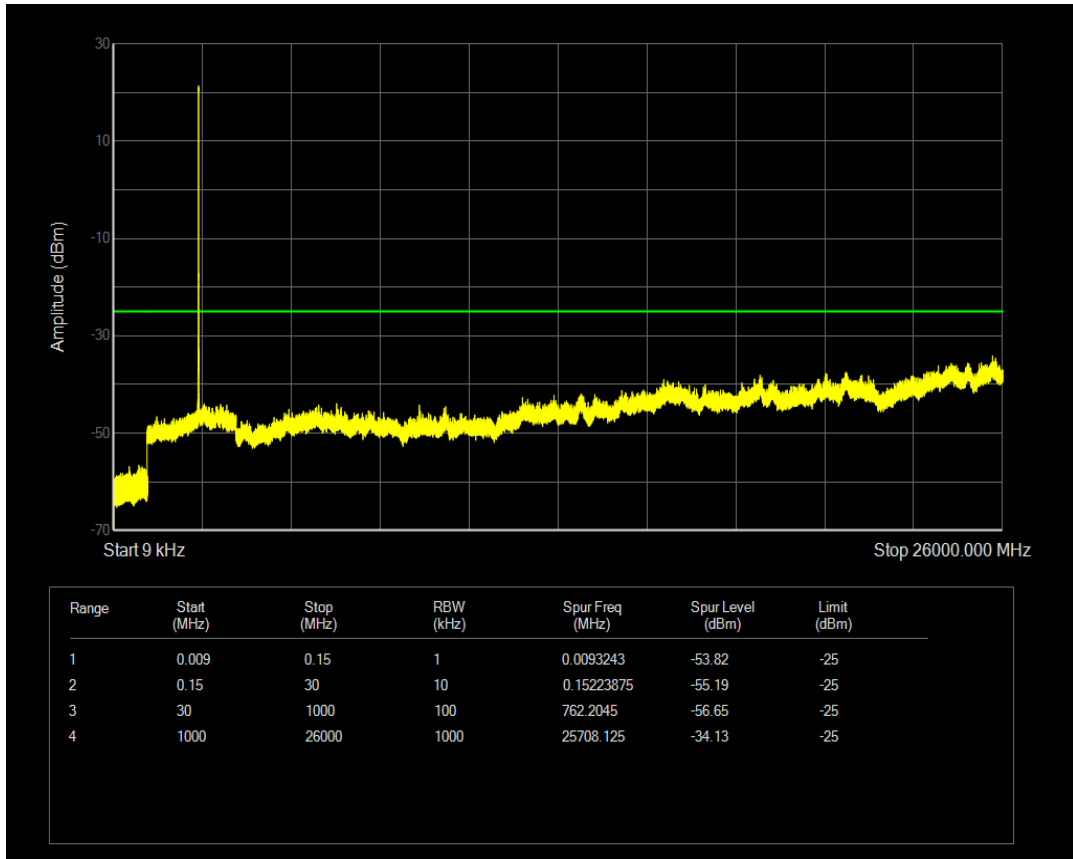
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



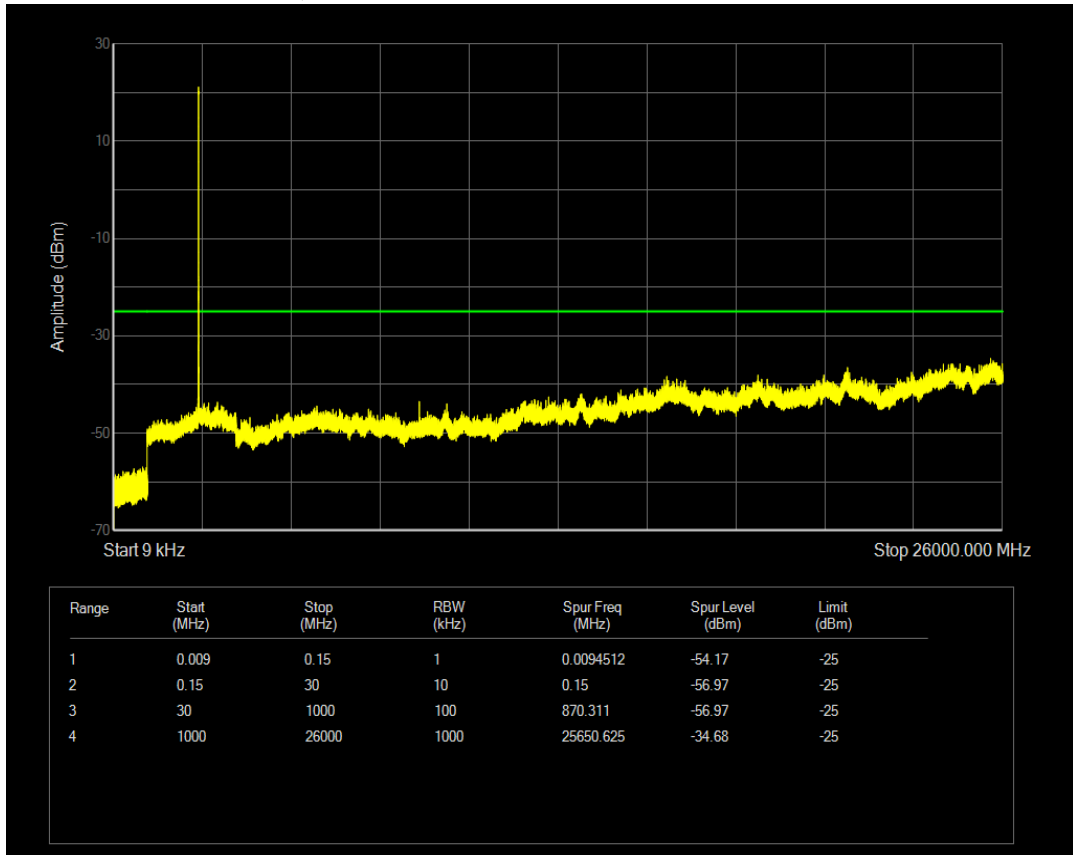
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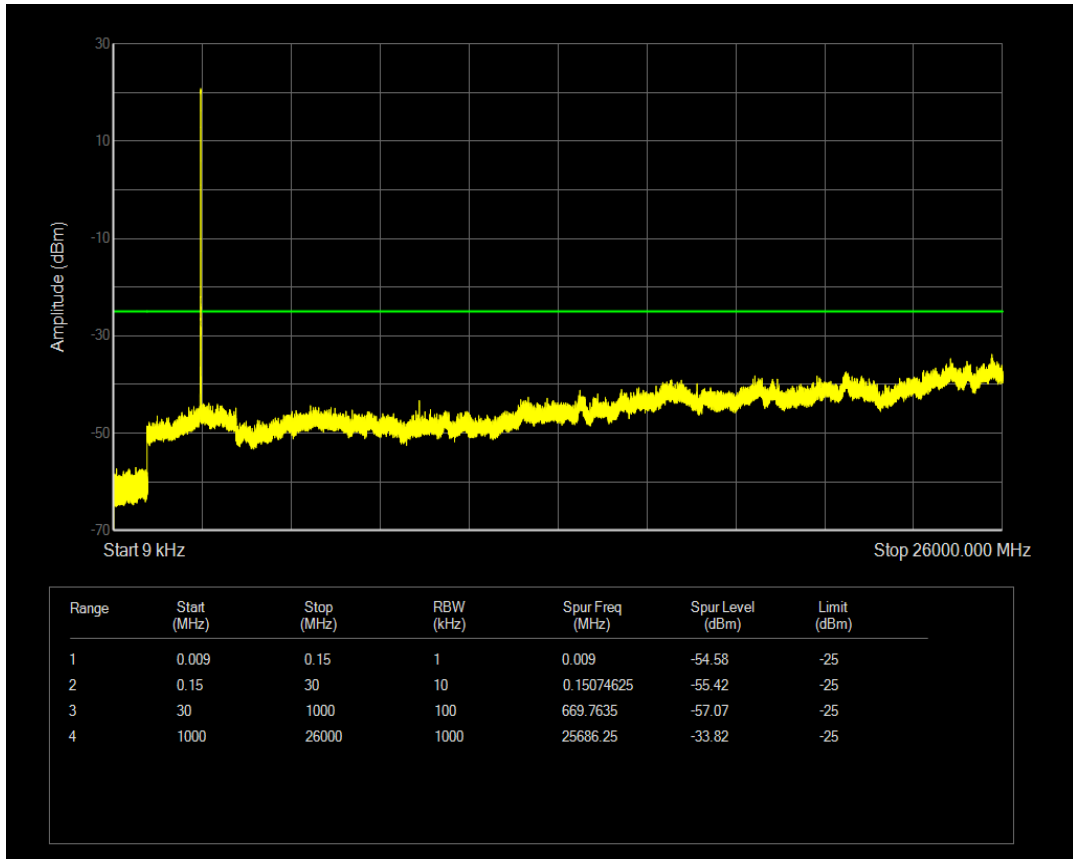
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



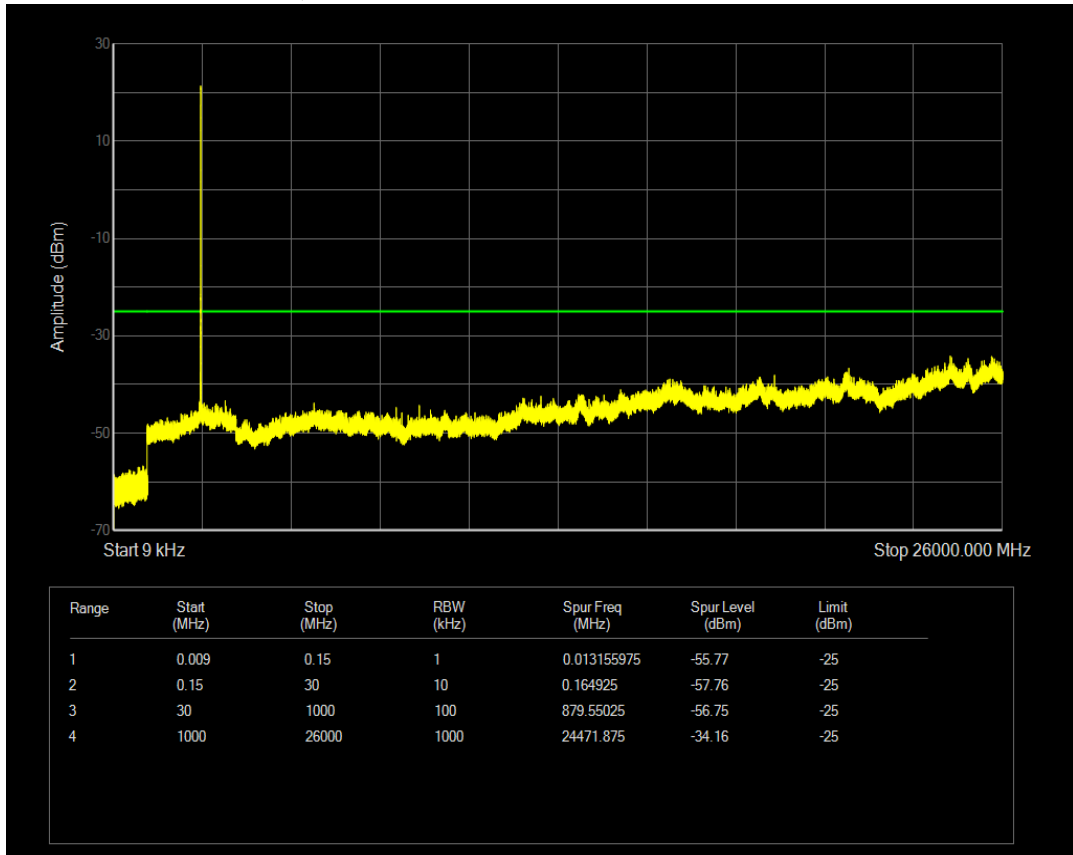
Band7 QAM16 BW=5MHz Channel=20775 RB Size=25 Position=#0



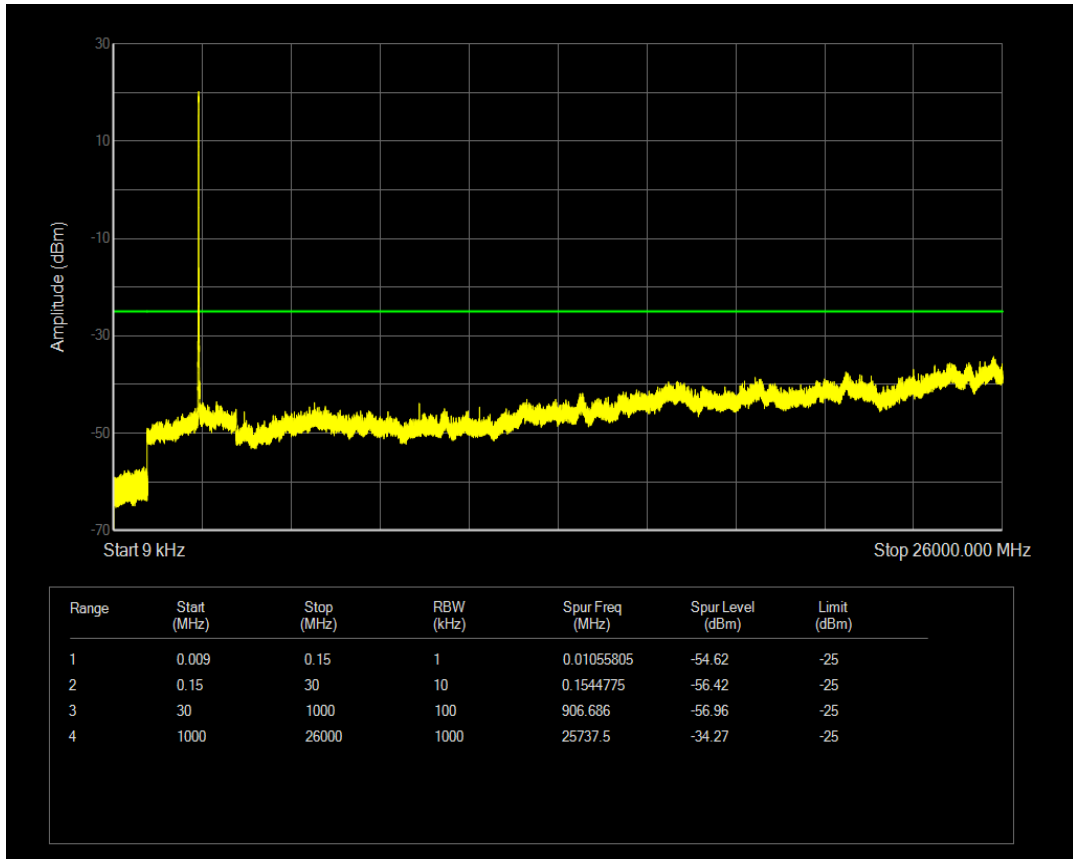
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



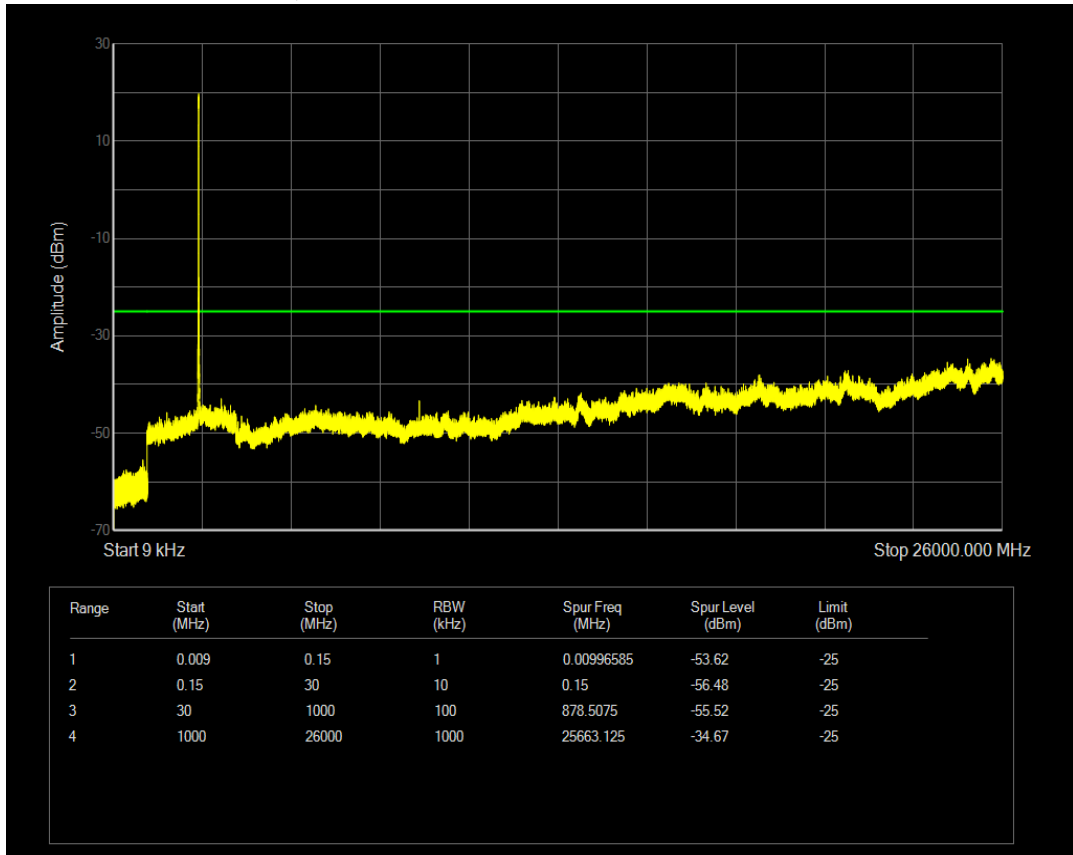
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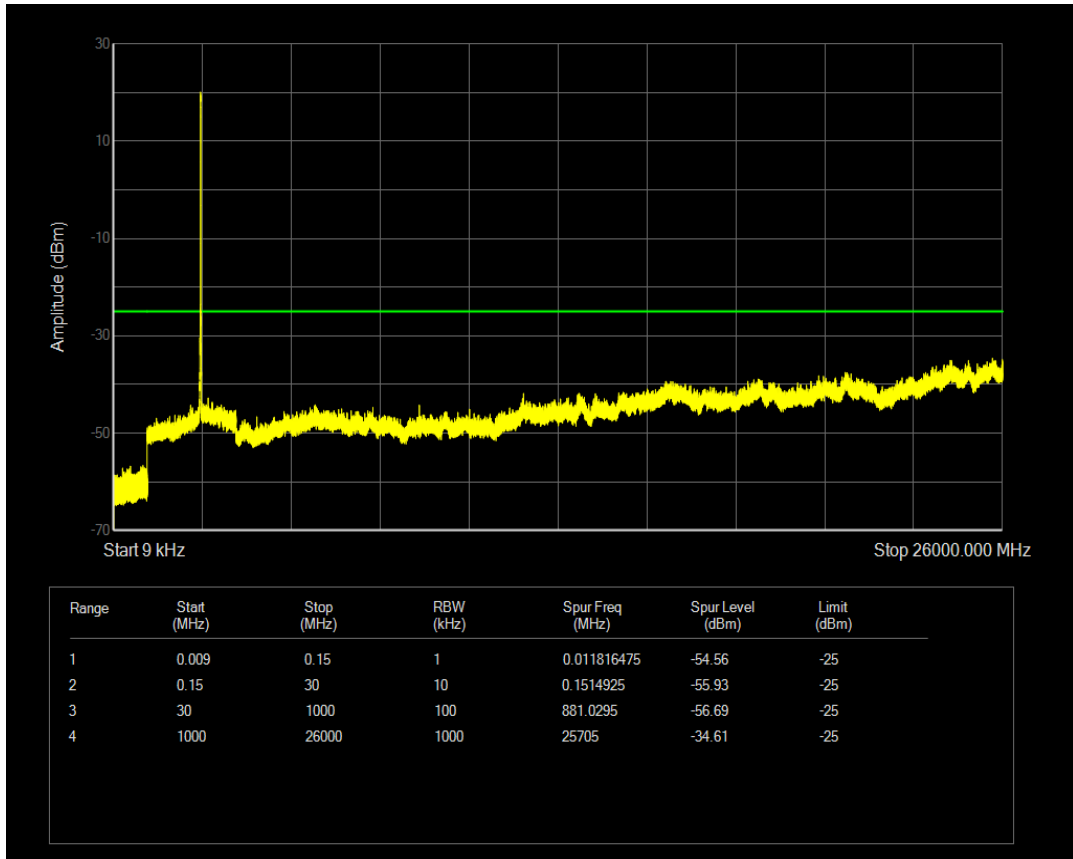
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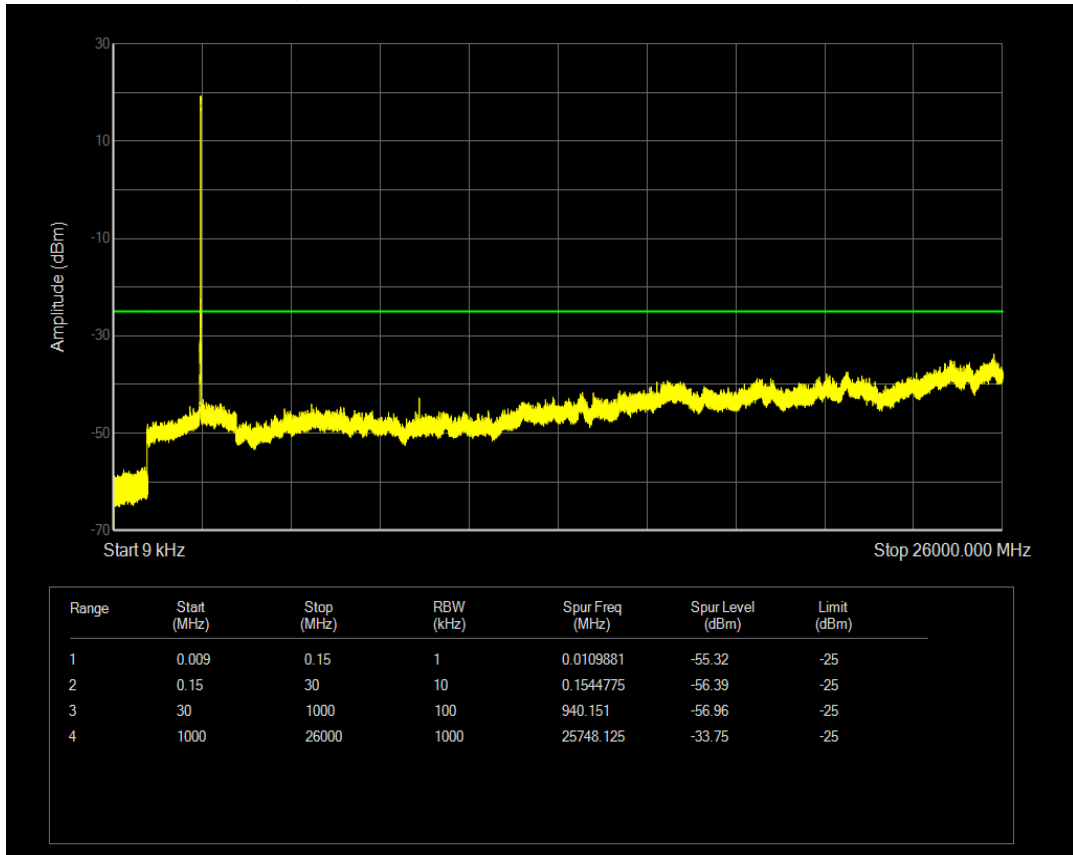
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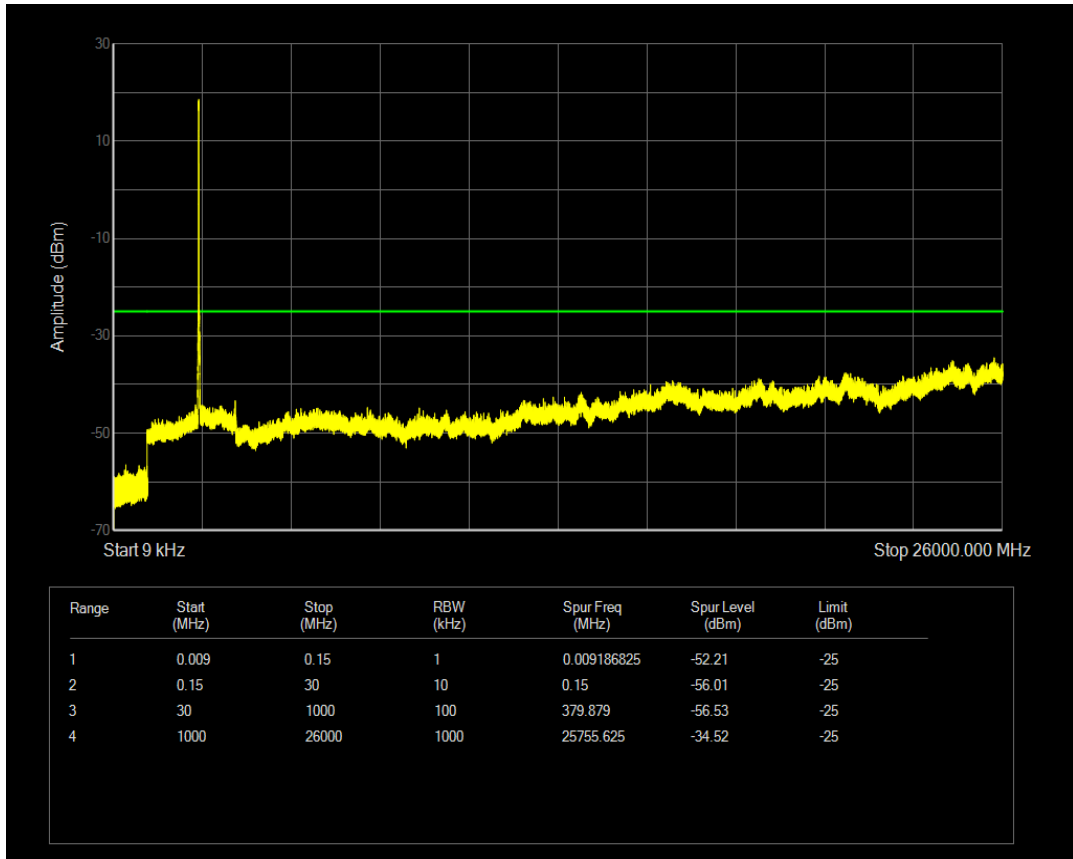
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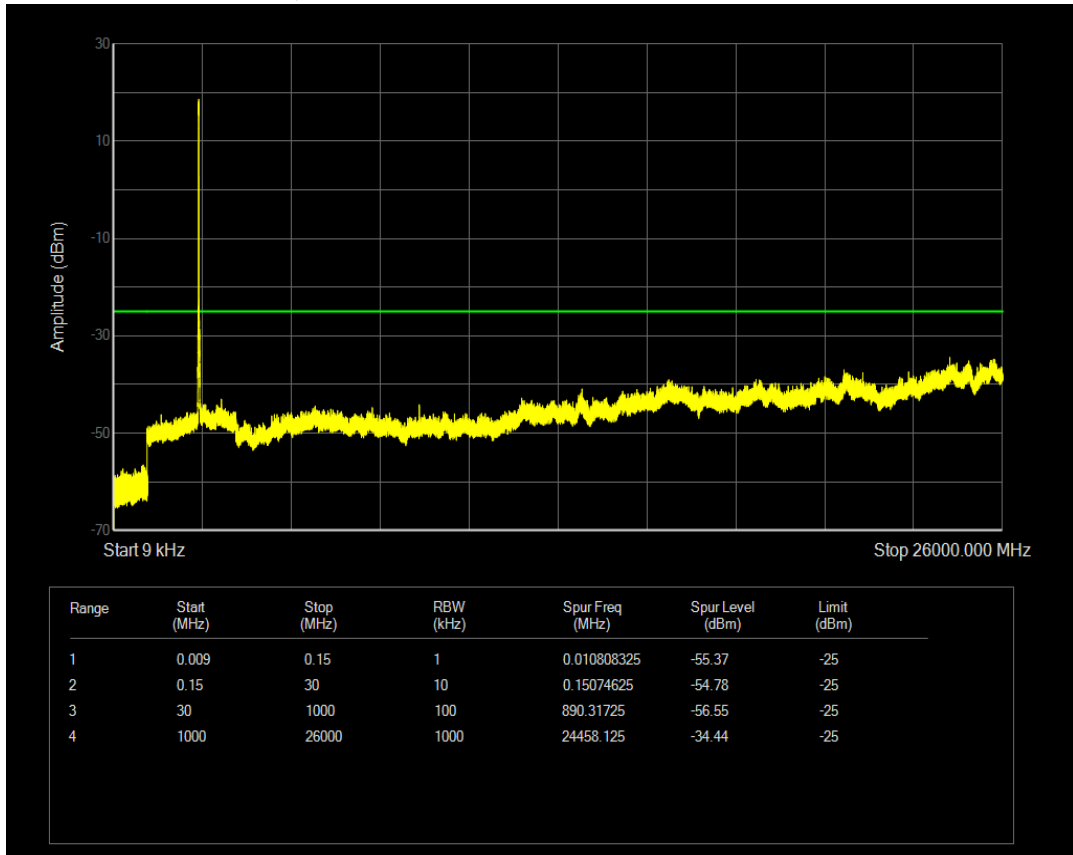
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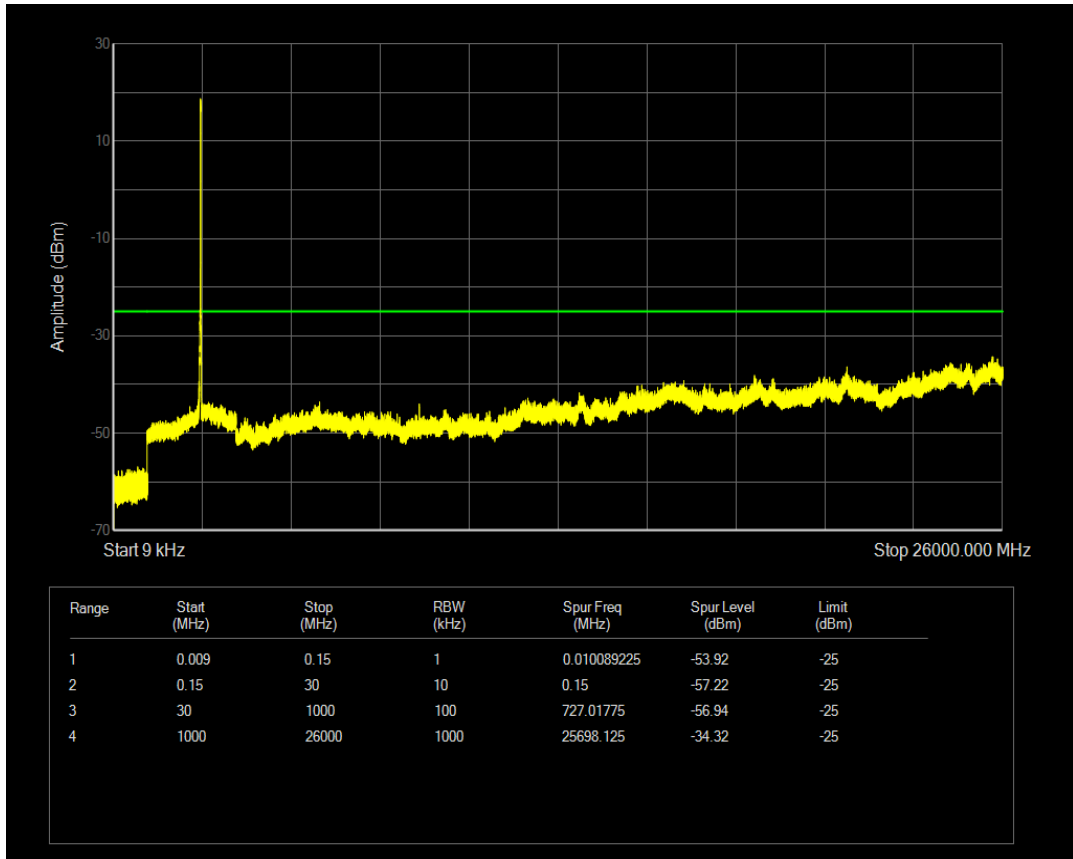
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



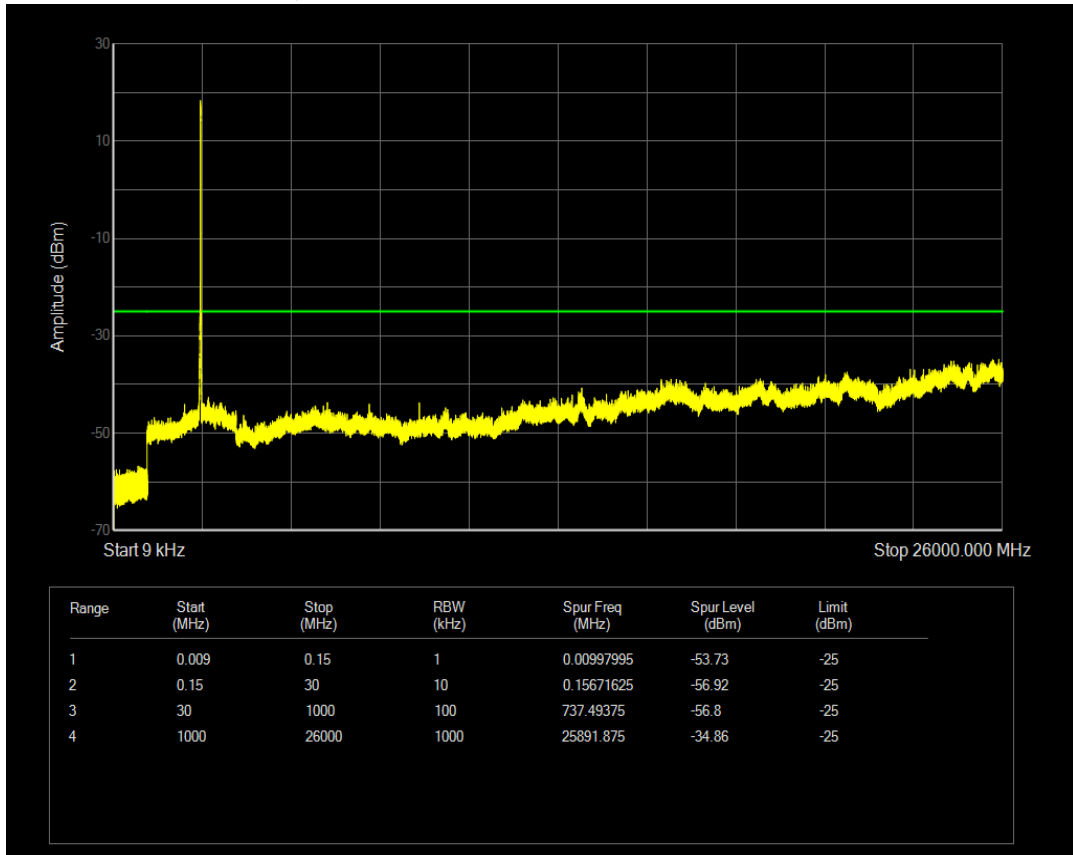
Band7 QAM16 BW=15MHz Channel=20825 RB Size=75 Position=#0



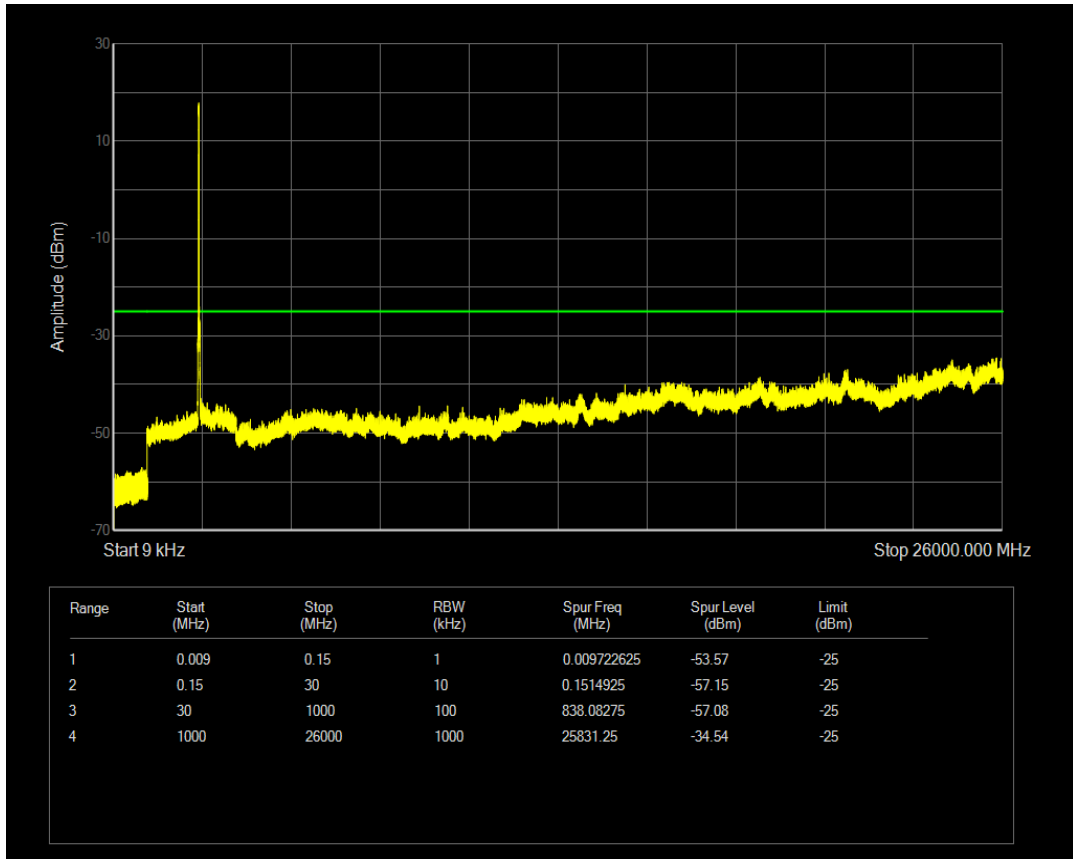
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



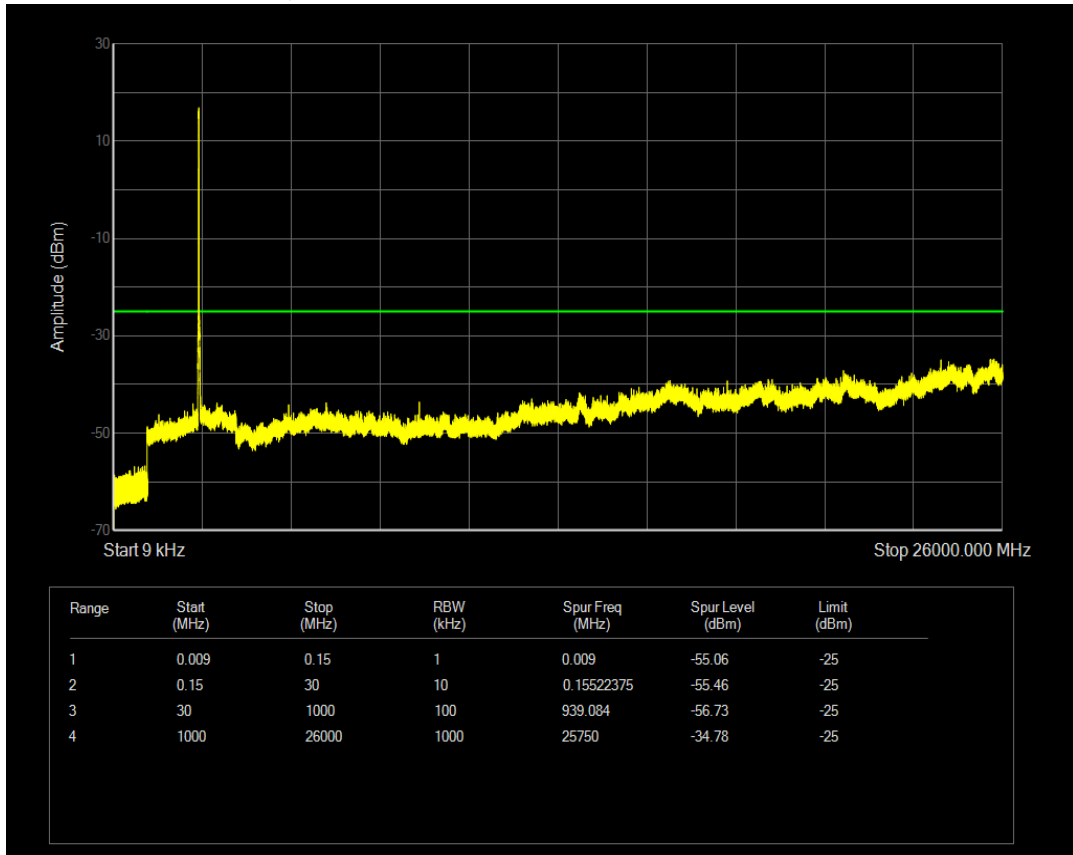
Band7 QAM16 BW=15MHz Channel=21375 RB Size=75 Position=#0



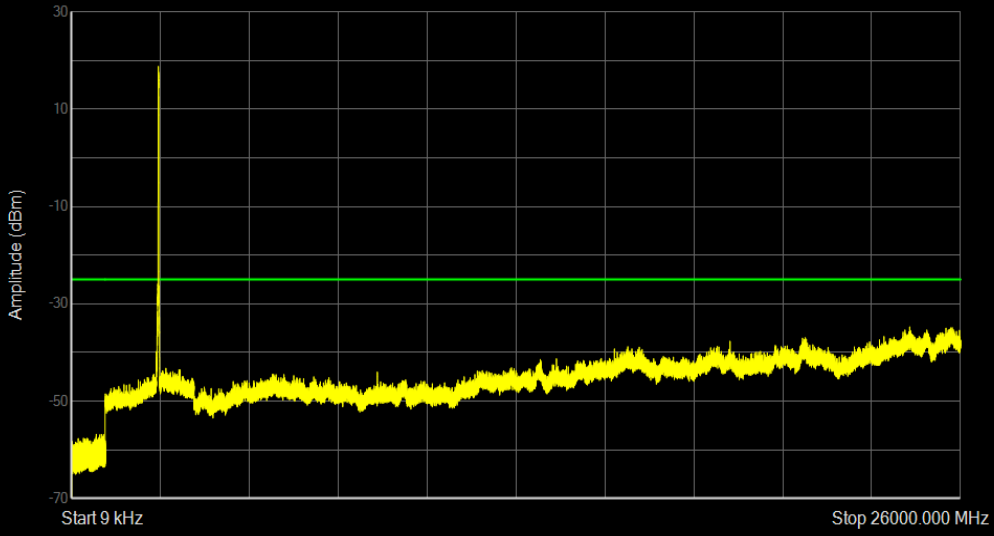
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



Band7 QAM16 BW=20MHz Channel=20850 RB Size=100 Position=#0

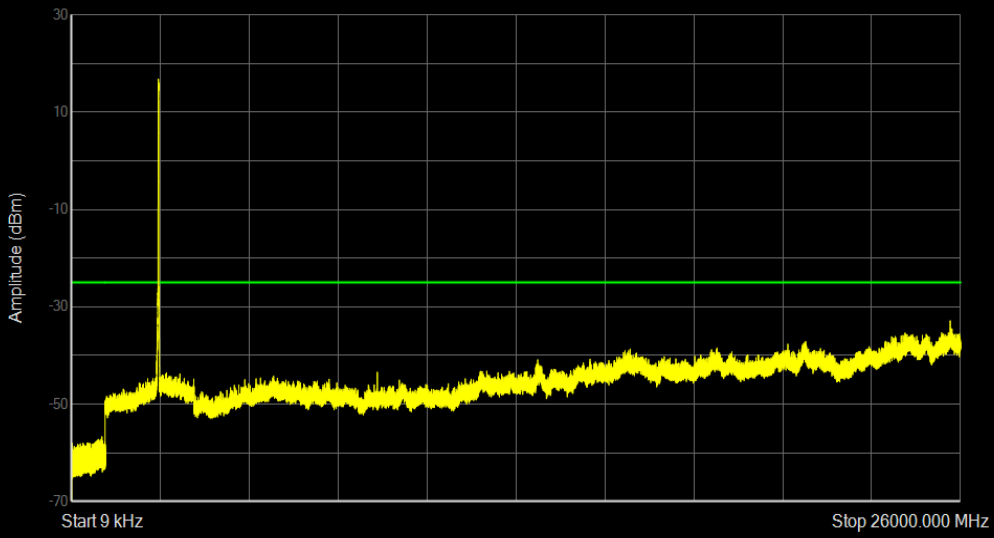


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0131172	-55.52	-25
2	0.15	30	10	0.1514925	-55.46	-25
3	30	1000	100	743.532	-56.82	-25
4	1000	26000	1000	24512.5	-34.74	-25

Band7 QAM16 BW=20MHz Channel=21350 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011597925	-53.86	-25
2	0.15	30	10	0.15	-55.08	-25
3	30	1000	100	906.298	-56.69	-25
4	1000	26000	1000	25696.875	-32.88	-25

Appendix F: Frequency Stability

Band 2

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.00	0.001621	± 2.5	PASS
		VN	TN	2.08	0.001124	± 2.5	PASS
		VH	TN	4.72	0.002550	± 2.5	PASS
	MCH	VL	TN	-1.74	-0.000926	± 2.5	PASS
		VN	TN	2.96	0.001574	± 2.5	PASS
		VH	TN	0.10	0.000053	± 2.5	PASS
	HCH	VL	TN	3.28	0.001718	± 2.5	PASS
		VN	TN	2.16	0.001131	± 2.5	PASS
		VH	TN	-0.15	-0.000079	± 2.5	PASS
16QAM	LCH	VL	TN	-1.04	-0.000562	± 2.5	PASS
		VN	TN	1.93	0.001043	± 2.5	PASS
		VH	TN	0.28	0.000151	± 2.5	PASS
	MCH	VL	TN	1.30	0.000691	± 2.5	PASS
		VN	TN	4.27	0.002271	± 2.5	PASS
		VH	TN	2.38	0.001266	± 2.5	PASS
	HCH	VL	TN	-0.63	-0.000330	± 2.5	PASS
		VN	TN	2.30	0.001205	± 2.5	PASS
		VH	TN	3.07	0.001608	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.98	0.001610	± 2.5	PASS
		VN	-20	2.10	0.001135	± 2.5	PASS
		VN	-10	4.77	0.002577	± 2.5	PASS
		VN	0	-1.85	-0.001000	± 2.5	PASS
		VN	10	3.59	0.001940	± 2.5	PASS
		VN	20	-0.57	-0.000308	± 2.5	PASS
		VN	30	1.35	0.000729	± 2.5	PASS
		VN	40	-1.46	-0.000789	± 2.5	PASS
		VN	50	-0.17	-0.000092	± 2.5	PASS
	MCH	VN	-30	4.89	0.002601	± 2.5	PASS
		VN	-20	0.28	0.000149	± 2.5	PASS
		VN	-10	3.53	0.001878	± 2.5	PASS
		VN	0	1.76	0.000936	± 2.5	PASS
		VN	10	4.07	0.002165	± 2.5	PASS
		VN	20	3.68	0.001957	± 2.5	PASS
		VN	30	2.49	0.001324	± 2.5	PASS
		VN	40	-0.65	-0.000346	± 2.5	PASS
		VN	50	2.87	0.001527	± 2.5	PASS
	HCH	VN	-30	-1.83	-0.000958	± 2.5	PASS
		VN	-20	-1.45	-0.000759	± 2.5	PASS
		VN	-10	0.54	0.000283	± 2.5	PASS
		VN	0	1.37	0.000718	± 2.5	PASS
		VN	10	0.9	0.000471	± 2.5	PASS

16QAM		VN	20	2.91	0.001524	± 2.5	PASS	
		VN	30	2.43	0.001273	± 2.5	PASS	
		VN	40	4.29	0.002247	± 2.5	PASS	
		VN	50	4.95	0.002593	± 2.5	PASS	
	LCH	VN	-30	-1.27	-0.000686	± 2.5	PASS	
		VN	-20	3.15	0.001702	± 2.5	PASS	
		VN	-10	-0.72	-0.000389	± 2.5	PASS	
		VN	0	2.46	0.001329	± 2.5	PASS	
		VN	10	1.69	0.000913	± 2.5	PASS	
		VN	20	0.48	0.000259	± 2.5	PASS	
		VN	30	4.37	0.002361	± 2.5	PASS	
		VN	40	4.83	0.002610	± 2.5	PASS	
		VN	50	1.88	0.001016	± 2.5	PASS	
		MCH	VN	-30	-1.18	-0.000628	± 2.5	PASS
			VN	-20	2.67	0.001420	± 2.5	PASS
	VN		-10	4.11	0.002186	± 2.5	PASS	
	VN		0	3.91	0.002080	± 2.5	PASS	
	VN		10	-1.30	-0.000691	± 2.5	PASS	
	VN		20	2.04	0.001085	± 2.5	PASS	
	VN		30	-1.60	-0.000851	± 2.5	PASS	
	VN		40	3.67	0.001952	± 2.5	PASS	
	HCH	VN	50	4.66	0.002479	± 2.5	PASS	
		VN	-30	-0.97	-0.000508	± 2.5	PASS	
		VN	-20	-0.43	-0.000225	± 2.5	PASS	
		VN	-10	3.42	0.001791	± 2.5	PASS	
		VN	0	3.82	0.002001	± 2.5	PASS	
		VN	10	4.09	0.002142	± 2.5	PASS	
		VN	20	1.27	0.000665	± 2.5	PASS	
		VN	30	4.09	0.002142	± 2.5	PASS	
	VN	40	2.55	0.001336	± 2.5	PASS		
VN	50	2.15	0.001126	± 2.5	PASS			

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.42	0.001307	± 2.5	PASS
		VN	TN	0.61	0.000329	± 2.5	PASS
		VH	TN	-1.52	-0.000821	± 2.5	PASS
	MCH	VL	TN	2.73	0.001452	± 2.5	PASS
		VN	TN	-1.52	-0.000809	± 2.5	PASS
		VH	TN	2.63	0.001399	± 2.5	PASS
	HCH	VL	TN	-0.87	-0.000456	± 2.5	PASS
		VN	TN	2.25	0.001179	± 2.5	PASS
		VH	TN	-0.57	-0.000299	± 2.5	PASS
16QAM	LCH	VL	TN	0.40	0.000216	± 2.5	PASS
		VN	TN	1.64	0.000886	± 2.5	PASS
		VH	TN	3.14	0.001696	± 2.5	PASS
		VL	TN	2.78	0.001479	± 2.5	PASS

	MCH	VN	TN	1.80	0.000957	± 2.5	PASS
		VH	TN	-0.95	-0.000505	± 2.5	PASS
	HCH	VL	TN	-0.70	-0.000367	± 2.5	PASS
		VN	TN	2.78	0.001457	± 2.5	PASS
		VH	TN	0.95	0.000498	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.25	0.002295	± 2.5	PASS
		VN	-20	3.49	0.001885	± 2.5	PASS
		VN	-10	4.05	0.002187	± 2.5	PASS
		VN	0	3.85	0.002079	± 2.5	PASS
		VN	10	-0.82	-0.000443	± 2.5	PASS
		VN	20	2.86	0.001545	± 2.5	PASS
		VN	30	2.86	0.001545	± 2.5	PASS
		VN	40	2.69	0.001453	± 2.5	PASS
		VN	50	-1.67	-0.000902	± 2.5	PASS
	MCH	VN	-30	2.85	0.001516	± 2.5	PASS
		VN	-20	1.72	0.000915	± 2.5	PASS
		VN	-10	0.38	0.000202	± 2.5	PASS
		VN	0	2.24	0.001191	± 2.5	PASS
		VN	10	-0.46	-0.000245	± 2.5	PASS
		VN	20	1.46	0.000777	± 2.5	PASS
		VN	30	4.19	0.002229	± 2.5	PASS
		VN	40	3.56	0.001894	± 2.5	PASS
		VN	50	4.57	0.002431	± 2.5	PASS
	HCH	VN	-30	1.8	0.000943	± 2.5	PASS
		VN	-20	-0.95	-0.000498	± 2.5	PASS
		VN	-10	4.85	0.002541	± 2.5	PASS
		VN	0	2.65	0.001389	± 2.5	PASS
		VN	10	1.6	0.000838	± 2.5	PASS
		VN	20	-1.4	-0.000734	± 2.5	PASS
		VN	30	1.24	0.00065	± 2.5	PASS
		VN	40	3.33	0.001745	± 2.5	PASS
		VN	50	2.96	0.001551	± 2.5	PASS
16QAM	LCH	VN	-30	4.06	0.002193	± 2.5	PASS
		VN	-20	1.85	0.000999	± 2.5	PASS
		VN	-10	2.98	0.00161	± 2.5	PASS
		VN	0	4.4	0.002376	± 2.5	PASS
		VN	10	3.97	0.002144	± 2.5	PASS
		VN	20	0.05	0.000027	± 2.5	PASS
		VN	30	2.07	0.001118	± 2.5	PASS
		VN	40	4.83	0.002609	± 2.5	PASS
		VN	50	1.86	0.001005	± 2.5	PASS
	MCH	VN	-30	3.97	0.002112	± 2.5	PASS
		VN	-20	0.15	0.00008	± 2.5	PASS
		VN	-10	0.39	0.000207	± 2.5	PASS
		VN	0	3.71	0.001973	± 2.5	PASS
		VN	10	2.86	0.001521	± 2.5	PASS
		VN	20	0.25	0.000133	± 2.5	PASS
		VN	30	1.75	0.000931	± 2.5	PASS
		VN	40	-1.65	-0.000878	± 2.5	PASS

	HCH	VN	50	-0.59	-0.000314	± 2.5	PASS
		VN	-30	-0.96	-0.000503	± 2.5	PASS
		VN	-20	2.41	0.001263	± 2.5	PASS
		VN	-10	-1.60	-0.000838	± 2.5	PASS
		VN	0	-1.51	-0.000791	± 2.5	PASS
		VN	10	0.09	0.000047	± 2.5	PASS
		VN	20	-0.93	-0.000487	± 2.5	PASS
		VN	30	1.98	0.001037	± 2.5	PASS
		VN	40	-1.58	-0.000828	± 2.5	PASS
		VN	50	3.50	0.001834	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.15	0.005021	± 2.5	PASS
		VN	TN	-0.94	-0.001137	± 2.5	PASS
		VH	TN	0.14	0.000169	± 2.5	PASS
	MCH	VL	TN	-1.83	-0.002188	± 2.5	PASS
		VN	TN	2.83	0.003383	± 2.5	PASS
		VH	TN	-0.92	-0.001100	± 2.5	PASS
	HCH	VL	TN	-1.74	-0.002056	± 2.5	PASS
		VN	TN	2.43	0.002871	± 2.5	PASS
		VH	TN	4.01	0.004737	± 2.5	PASS
16QAM	LCH	VL	TN	-0.18	-0.000218	± 2.5	PASS
		VN	TN	2.17	0.002626	± 2.5	PASS
		VH	TN	3.62	0.004380	± 2.5	PASS
	MCH	VL	TN	4.85	0.005798	± 2.5	PASS
		VN	TN	2.58	0.003084	± 2.5	PASS
		VH	TN	1.97	0.002355	± 2.5	PASS
	HCH	VL	TN	-1.95	-0.002304	± 2.5	PASS
		VN	TN	1.87	0.002209	± 2.5	PASS
		VH	TN	-0.14	-0.000165	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.5	0.000605	± 2.5	PASS
		VN	-20	-1.84	-0.002226	± 2.5	PASS
		VN	-10	4.28	0.005178	± 2.5	PASS
		VN	0	3.94	0.004767	± 2.5	PASS
		VN	10	-1.77	-0.002142	± 2.5	PASS
		VN	20	1.46	0.001766	± 2.5	PASS
		VN	30	0.55	0.000665	± 2.5	PASS
		VN	40	-1.26	-0.001525	± 2.5	PASS
		VN	50	0.69	0.000835	± 2.5	PASS
	MCH	VN	-30	0.82	0.000980	± 2.5	PASS
		VN	-20	0.06	0.000072	± 2.5	PASS
		VN	-10	0.27	0.000323	± 2.5	PASS
		VN	0	0.65	0.000777	± 2.5	PASS
		VN	10	1.86	0.002224	± 2.5	PASS

16QAM	HCH	VN	20	2.51	0.003001	± 2.5	PASS		
		VN	30	1.23	0.001470	± 2.5	PASS		
		VN	40	3.33	0.003981	± 2.5	PASS		
		VN	50	4.71	0.005631	± 2.5	PASS		
		VN	-30	1.21	0.001429	± 2.5	PASS		
		VN	-20	-1.14	-0.001347	± 2.5	PASS		
		VN	-10	2.14	0.002528	± 2.5	PASS		
		VN	0	0.52	0.000614	± 2.5	PASS		
		VN	10	3.7	0.004371	± 2.5	PASS		
		VN	20	1.41	0.001666	± 2.5	PASS		
		VN	30	1.57	0.001855	± 2.5	PASS		
		VN	40	0.98	0.001158	± 2.5	PASS		
		VN	50	2	0.002363	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.95	-0.001136	± 2.5	PASS
	VN			-20	1.75	0.002092	± 2.5	PASS	
	VN			-10	3.64	0.004351	± 2.5	PASS	
	VN			0	3.63	0.004340	± 2.5	PASS	
	VN			10	2.92	0.003491	± 2.5	PASS	
	VN			20	-1.73	-0.002068	± 2.5	PASS	
	VN			30	0.3	0.000359	± 2.5	PASS	
	VN			40	0.59	0.000705	± 2.5	PASS	
	VN			50	3.91	0.004674	± 2.5	PASS	
	MCH			VN	-30	1.18	0.001394	± 2.5	PASS
				VN	-20	-0.16	-0.000189	± 2.5	PASS
				VN	-10	1.85	0.002185	± 2.5	PASS
				VN	0	2.52	0.002977	± 2.5	PASS
				VN	10	3.7	0.004371	± 2.5	PASS
			VN	20	4.91	0.005800	± 2.5	PASS	
VN			30	2.56	0.003024	± 2.5	PASS		
VN			40	1.79	0.002115	± 2.5	PASS		
VN			50	-0.68	-0.000803	± 2.5	PASS		
HCH			VN	-30	2.4	0.002835	± 2.5	PASS	
			VN	-20	2.18	0.002575	± 2.5	PASS	
			VN	-10	3.96	0.004678	± 2.5	PASS	
			VN	0	-1.7	-0.002008	± 2.5	PASS	
			VN	10	-0.88	-0.001040	± 2.5	PASS	
	VN		20	-1.91	-0.002256	± 2.5	PASS		
	VN		30	-0.26	-0.000307	± 2.5	PASS		
	VN		40	-1.65	-0.001949	± 2.5	PASS		
	VN		50	-0.74	-0.000874	± 2.5	PASS		

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.09	0.003727	± 2.5	PASS
		VN	TN	0.26	0.000314	± 2.5	PASS
		VH	TN	1.87	0.002256	± 2.5	PASS
		VL	TN	3.44	0.004112	± 2.5	PASS
		VN	TN	-0.72	-0.000861	± 2.5	PASS

16QAM	MCH	VH	TN	2.16	0.002582	± 2.5	PASS	
	HCH	VL	TN	-1.59	-0.001884	± 2.5	PASS	
		VN	TN	0.09	0.000107	± 2.5	PASS	
		VH	TN	1.92	0.002275	± 2.5	PASS	
	16QAM	LCH	VL	TN	-0.36	-0.000434	± 2.5	PASS
			VN	TN	2.81	0.003390	± 2.5	PASS
			VH	TN	-1.96	-0.002364	± 2.5	PASS
		MCH	VL	TN	0.54	0.000646	± 2.5	PASS
			VN	TN	4.58	0.005475	± 2.5	PASS
VH			TN	-0.38	-0.000454	± 2.5	PASS	
HCH		VL	TN	-0.65	-0.000770	± 2.5	PASS	
		VN	TN	0.06	0.000071	± 2.5	PASS	
		VH	TN	2.32	0.002749	± 2.5	PASS	
Temperature								
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	1.03	0.001242	± 2.5	PASS	
		VN	-20	0.15	0.000181	± 2.5	PASS	
		VN	-10	-0.18	-0.000217	± 2.5	PASS	
		VN	0	-1.16	-0.001399	± 2.5	PASS	
		VN	10	0.93	0.001122	± 2.5	PASS	
		VN	20	2.43	0.002931	± 2.5	PASS	
		VN	30	3.11	0.003752	± 2.5	PASS	
		VN	40	3.24	0.003908	± 2.5	PASS	
		VN	50	-1	-0.001206	± 2.5	PASS	
	MCH	VN	-30	1.42	0.001698	± 2.5	PASS	
		VN	-20	2.43	0.002905	± 2.5	PASS	
		VN	-10	4.66	0.005571	± 2.5	PASS	
		VN	0	3.24	0.003873	± 2.5	PASS	
		VN	10	3.38	0.004041	± 2.5	PASS	
		VN	20	-1.85	-0.002212	± 2.5	PASS	
		VN	30	0.42	0.000502	± 2.5	PASS	
		VN	40	1.03	0.001231	± 2.5	PASS	
		VN	50	0.56	0.000669	± 2.5	PASS	
	HCH	VN	-30	-0.49	-0.000581	± 2.5	PASS	
		VN	-20	4.79	0.005675	± 2.5	PASS	
		VN	-10	3.78	0.004479	± 2.5	PASS	
		VN	0	3.02	0.003578	± 2.5	PASS	
		VN	10	1.11	0.001315	± 2.5	PASS	
		VN	20	0.52	0.000616	± 2.5	PASS	
		VN	30	2.84	0.003365	± 2.5	PASS	
		VN	40	2.74	0.003246	± 2.5	PASS	
		VN	50	1.27	0.001505	± 2.5	PASS	
16QAM	LCH	VN	-30	-1.76	-0.002104	± 2.5	PASS	
		VN	-20	-1.92	-0.002295	± 2.5	PASS	
		VN	-10	1.3	0.001554	± 2.5	PASS	
		VN	0	4.36	0.005212	± 2.5	PASS	
		VN	10	2.16	0.002582	± 2.5	PASS	
		VN	20	0.82	0.000980	± 2.5	PASS	
		VN	30	3.83	0.004579	± 2.5	PASS	
		VN	40	1.44	0.001721	± 2.5	PASS	

	MCH	VN	50	-1.84	-0.002200	± 2.5	PASS
		VN	-30	3.33	0.003945	± 2.5	PASS
		VN	-20	2.23	0.002642	± 2.5	PASS
		VN	-10	0.82	0.000972	± 2.5	PASS
		VN	0	3.22	0.003815	± 2.5	PASS
		VN	10	-1.76	-0.002085	± 2.5	PASS
		VN	20	4.1	0.004858	± 2.5	PASS
		VN	30	0.83	0.000983	± 2.5	PASS
		VN	40	-0.03	-0.000036	± 2.5	PASS
		VN	50	0.58	0.000687	± 2.5	PASS
	HCH	VN	-30	4.13	0.004893	± 2.5	PASS
		VN	-20	3.09	0.003661	± 2.5	PASS
		VN	-10	-1.7	-0.002014	± 2.5	PASS
		VN	0	0.65	0.000770	± 2.5	PASS
		VN	10	4.02	0.004763	± 2.5	PASS
		VN	20	-1.96	-0.002322	± 2.5	PASS
		VN	30	-1.76	-0.002085	± 2.5	PASS
		VN	40	-1.71	-0.002026	± 2.5	PASS
		VN	50	2.85	0.003377	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.43	0.001312	± 2.5	PASS
		VN	TN	0.54	0.000291	± 2.5	PASS
		VH	TN	3.56	0.001922	± 2.5	PASS
	MCH	VL	TN	3.76	0.002000	± 2.5	PASS
		VN	TN	-0.84	-0.000447	± 2.5	PASS
		VH	TN	4.64	0.002468	± 2.5	PASS
	HCH	VL	TN	1.03	0.000540	± 2.5	PASS
		VN	TN	0.59	0.000309	± 2.5	PASS
		VH	TN	4.54	0.002380	± 2.5	PASS
16QAM	LCH	VL	TN	3.47	0.001873	± 2.5	PASS
		VN	TN	0.03	0.000016	± 2.5	PASS
		VH	TN	2.25	0.001215	± 2.5	PASS
	MCH	VL	TN	3.07	0.001633	± 2.5	PASS
		VN	TN	2.64	0.001404	± 2.5	PASS
		VH	TN	-0.25	-0.000133	± 2.5	PASS
	HCH	VL	TN	-0.07	-0.000037	± 2.5	PASS
		VN	TN	2.5	0.001311	± 2.5	PASS
		VH	TN	3.91	0.002050	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.3	0.000162	± 2.5	PASS
		VN	-20	-0.64	-0.000345	± 2.5	PASS
		VN	-10	-1.84	-0.000993	± 2.5	PASS
		VN	0	2.48	0.001339	± 2.5	PASS
		VN	10	0.75	0.000405	± 2.5	PASS

	MCH	VN	20	2.69	0.001452	± 2.5	PASS
		VN	30	3.61	0.001949	± 2.5	PASS
		VN	40	3.36	0.001814	± 2.5	PASS
		VN	50	4.31	0.002327	± 2.5	PASS
		VN	-30	0.35	0.000186	± 2.5	PASS
		VN	-20	0.01	0.000005	± 2.5	PASS
		VN	-10	0.52	0.000277	± 2.5	PASS
		VN	0	0.31	0.000165	± 2.5	PASS
		VN	10	1.51	0.000803	± 2.5	PASS
		VN	20	4.59	0.002441	± 2.5	PASS
		VN	30	4.96	0.002638	± 2.5	PASS
		VN	40	-0.45	-0.000239	± 2.5	PASS
	VN	50	0.72	0.000383	± 2.5	PASS	
	HCH	VN	-30	-1.79	-0.000938	± 2.5	PASS
		VN	-20	2.45	0.001284	± 2.5	PASS
		VN	-10	1.2	0.000629	± 2.5	PASS
		VN	0	2.93	0.001536	± 2.5	PASS
		VN	10	1.53	0.000802	± 2.5	PASS
		VN	20	0.93	0.000488	± 2.5	PASS
		VN	30	0.98	0.000514	± 2.5	PASS
VN		40	1.37	0.000718	± 2.5	PASS	
VN	50	2.89	0.001515	± 2.5	PASS		
16QAM	LCH	VN	-30	1.27	0.000686	± 2.5	PASS
		VN	-20	-1.4	-0.000756	± 2.5	PASS
		VN	-10	3.81	0.002057	± 2.5	PASS
		VN	0	0.27	0.000146	± 2.5	PASS
		VN	10	4.91	0.00265	± 2.5	PASS
		VN	20	0.83	0.000448	± 2.5	PASS
		VN	30	1.52	0.000821	± 2.5	PASS
		VN	40	3.35	0.001808	± 2.5	PASS
		VN	50	0.55	0.000297	± 2.5	PASS
		MCH	VN	-30	2.24	0.001191	± 2.5
	VN		-20	3.27	0.001739	± 2.5	PASS
	VN		-10	0.35	0.000186	± 2.5	PASS
	VN		0	3.82	0.002032	± 2.5	PASS
	VN		10	-1.66	-0.000883	± 2.5	PASS
	VN		20	-0.52	-0.000277	± 2.5	PASS
	VN		30	1.84	0.000979	± 2.5	PASS
	VN		40	-0.19	-0.000101	± 2.5	PASS
	VN		50	4.35	0.002314	± 2.5	PASS
	HCH		VN	-30	-0.25	-0.000131	± 2.5
		VN	-20	1.77	0.000928	± 2.5	PASS
		VN	-10	-1.4	-0.000734	± 2.5	PASS
		VN	0	-0.06	-0.000031	± 2.5	PASS
		VN	10	-1.24	-0.00065	± 2.5	PASS
		VN	20	3.6	0.001887	± 2.5	PASS
		VN	30	2.93	0.001536	± 2.5	PASS
		VN	40	4.3	0.002254	± 2.5	PASS
		VN	50	-0.25	-0.000131	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.80	0.000431	± 2.5	PASS
		VN	TN	4.49	0.00242	± 2.5	PASS
		VH	TN	-1.90	-0.001024	± 2.5	PASS
	MCH	VL	TN	4.56	0.002426	± 2.5	PASS
		VN	TN	0.10	0.000053	± 2.5	PASS
		VH	TN	3.33	0.001771	± 2.5	PASS
	HCH	VL	TN	1.57	0.000824	± 2.5	PASS
		VN	TN	3.87	0.002031	± 2.5	PASS
		VH	TN	-1.74	-0.000913	± 2.5	PASS
16QAM	LCH	VL	TN	0.94	0.000507	± 2.5	PASS
		VN	TN	2.57	0.001385	± 2.5	PASS
		VH	TN	1.32	0.000712	± 2.5	PASS
	MCH	VL	TN	-1.22	-0.000649	± 2.5	PASS
		VN	TN	0.25	0.000133	± 2.5	PASS
		VH	TN	-0.91	-0.000484	± 2.5	PASS
	HCH	VL	TN	0.42	0.00022	± 2.5	PASS
		VN	TN	2.93	0.001538	± 2.5	PASS
		VH	TN	2.33	0.001223	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.55	0.001914	± 2.5	PASS
		VN	-20	0.60	0.000323	± 2.5	PASS
		VN	-10	-0.05	-0.000027	± 2.5	PASS
		VN	0	3.71	0.002000	± 2.5	PASS
		VN	10	-0.65	-0.000350	± 2.5	PASS
		VN	20	4.02	0.002167	± 2.5	PASS
		VN	30	1.03	0.000555	± 2.5	PASS
		VN	40	-1.61	-0.000868	± 2.5	PASS
		VN	50	0.32	0.000173	± 2.5	PASS
	MCH	VN	-30	-0.92	-0.000489	± 2.5	PASS
		VN	-20	1.63	0.000867	± 2.5	PASS
		VN	-10	3.54	0.001883	± 2.5	PASS
		VN	0	-0.80	-0.000426	± 2.5	PASS
		VN	10	1.43	0.000761	± 2.5	PASS
		VN	20	0.55	0.000293	± 2.5	PASS
		VN	30	-0.24	-0.000128	± 2.5	PASS
		VN	40	1.81	0.000963	± 2.5	PASS
		VN	50	3.17	0.001686	± 2.5	PASS
	HCH	VN	-30	-0.12	-0.000063	± 2.5	PASS
		VN	-20	-1.67	-0.000877	± 2.5	PASS
		VN	-10	-1.59	-0.000835	± 2.5	PASS
		VN	0	1.35	0.000709	± 2.5	PASS
		VN	10	4.17	0.002189	± 2.5	PASS
		VN	20	1.25	0.000656	± 2.5	PASS
		VN	30	0.14	0.000073	± 2.5	PASS

		VN	40	-1.73	-0.000908	± 2.5	PASS
		VN	50	0.73	0.000383	± 2.5	PASS
16QAM	LCH	VN	-30	1.43	0.000771	± 2.5	PASS
		VN	-20	4.59	0.002474	± 2.5	PASS
		VN	-10	4.3	0.002318	± 2.5	PASS
		VN	0	-1.90	-0.001024	± 2.5	PASS
		VN	10	3.27	0.001763	± 2.5	PASS
		VN	20	1.05	0.000566	± 2.5	PASS
		VN	30	1.61	0.000868	± 2.5	PASS
		VN	40	2.19	0.001181	± 2.5	PASS
		VN	50	-1.34	-0.000722	± 2.5	PASS
		MCH	VN	-30	1.36	0.000723	± 2.5
	VN		-20	2.27	0.001207	± 2.5	PASS
	VN		-10	3.81	0.002027	± 2.5	PASS
	VN		0	3.73	0.001984	± 2.5	PASS
	VN		10	-1.11	-0.00059	± 2.5	PASS
	VN		20	0.07	0.000037	± 2.5	PASS
	VN		30	4.14	0.002202	± 2.5	PASS
	VN		40	-0.34	-0.000181	± 2.5	PASS
	HCH	VN	50	-2.00	-0.001064	± 2.5	PASS
		VN	-30	0.25	0.000131	± 2.5	PASS
		VN	-20	-0.98	-0.000514	± 2.5	PASS
		VN	-10	-0.37	-0.000194	± 2.5	PASS
VN		0	-0.03	-0.000016	± 2.5	PASS	
VN		10	1.64	0.000861	± 2.5	PASS	
VN		20	-0.59	-0.00031	± 2.5	PASS	
VN		30	0.57	0.000299	± 2.5	PASS	
		VN	40	4.72	0.002478	± 2.5	PASS
		VN	50	4.34	0.002278	± 2.5	PASS

Band 4

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.79	-0.000958	± 2.5	PASS
		VN	TN	4.56	0.005529	± 2.5	PASS
		VH	TN	-0.45	-0.000546	± 2.5	PASS
	MCH	VL	TN	0.93	0.001112	± 2.5	PASS
		VN	TN	4.87	0.005822	± 2.5	PASS
		VH	TN	0.3	0.000359	± 2.5	PASS
	HCH	VL	TN	2.07	0.002440	± 2.5	PASS
		VN	TN	0.73	0.000861	± 2.5	PASS
		VH	TN	2.26	0.002664	± 2.5	PASS
16QAM	LCH	VL	TN	0.42	0.000509	± 2.5	PASS
		VN	TN	-0.25	-0.000303	± 2.5	PASS
		VH	TN	3.46	0.004195	± 2.5	PASS
	MCH	VL	TN	1.43	0.001710	± 2.5	PASS
		VN	TN	-1.33	-0.001590	± 2.5	PASS
		VH	TN	-0.99	-0.001184	± 2.5	PASS

	HCH	VL	TN	3.47	0.004091	± 2.5	PASS	
		VN	TN	2.37	0.002794	± 2.5	PASS	
		VH	TN	4.3	0.005069	± 2.5	PASS	
Temperature								
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	3.15	0.003820	± 2.5	PASS	
		VN	-20	0.31	0.000376	± 2.5	PASS	
		VN	-10	2.23	0.002704	± 2.5	PASS	
		VN	0	1.53	0.001855	± 2.5	PASS	
		VN	10	2.98	0.003613	± 2.5	PASS	
		VN	20	4.44	0.005384	± 2.5	PASS	
		VN	30	1.63	0.001976	± 2.5	PASS	
		VN	40	4.27	0.005178	± 2.5	PASS	
		VN	50	2.51	0.003044	± 2.5	PASS	
		MCH	VN	-30	-1.1	-0.001315	± 2.5	PASS
			VN	-20	3.82	0.004567	± 2.5	PASS
			VN	-10	-0.8	-0.000956	± 2.5	PASS
			VN	0	4.11	0.004913	± 2.5	PASS
			VN	10	4.14	0.004949	± 2.5	PASS
			VN	20	4.13	0.004937	± 2.5	PASS
			VN	30	-0.81	-0.000968	± 2.5	PASS
			VN	40	-1.19	-0.001423	± 2.5	PASS
			VN	50	4.55	0.005439	± 2.5	PASS
		HCH	VN	-30	2.79	0.003289	± 2.5	PASS
			VN	-20	-0.81	-0.000955	± 2.5	PASS
			VN	-10	-1.34	-0.001580	± 2.5	PASS
			VN	0	-1.31	-0.001544	± 2.5	PASS
			VN	10	4.83	0.005694	± 2.5	PASS
			VN	20	0.36	0.000424	± 2.5	PASS
			VN	30	4.24	0.004998	± 2.5	PASS
			VN	40	4.8	0.005658	± 2.5	PASS
			VN	50	4.1	0.004833	± 2.5	PASS
16QAM	LCH	VN	-30	-0.07	-0.000085	± 2.5	PASS	
		VN	-20	0.5	0.000606	± 2.5	PASS	
		VN	-10	-0.66	-0.000800	± 2.5	PASS	
		VN	0	2.99	0.003626	± 2.5	PASS	
		VN	10	3.84	0.004656	± 2.5	PASS	
		VN	20	4.82	0.005845	± 2.5	PASS	
		VN	30	-1.81	-0.002195	± 2.5	PASS	
		VN	40	4.34	0.005263	± 2.5	PASS	
		VN	50	0.83	0.001006	± 2.5	PASS	
		MCH	VN	-30	0.31	0.000365	± 2.5	PASS
			VN	-20	3.53	0.004161	± 2.5	PASS
			VN	-10	4.93	0.005812	± 2.5	PASS
			VN	0	0.92	0.001085	± 2.5	PASS
			VN	10	4	0.004715	± 2.5	PASS
			VN	20	-0.65	-0.000766	± 2.5	PASS
			VN	30	2.22	0.002617	± 2.5	PASS
			VN	40	0.91	0.001073	± 2.5	PASS
			VN	50	2.21	0.002605	± 2.5	PASS

	HCH	VN	-30	3.06	0.003607	± 2.5	PASS
		VN	-20	3.29	0.003878	± 2.5	PASS
		VN	-10	-0.44	-0.000519	± 2.5	PASS
		VN	0	1.99	0.002346	± 2.5	PASS
		VN	10	2.57	0.003030	± 2.5	PASS
		VN	20	0.7	0.000825	± 2.5	PASS
		VN	30	0.7	0.000825	± 2.5	PASS
		VN	40	-1.63	-0.001921	± 2.5	PASS
		VN	50	4.39	0.005175	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.44	0.000533	± 2.5	PASS
		VN	TN	4.49	0.005439	± 2.5	PASS
		VH	TN	-1.39	-0.001684	± 2.5	PASS
	MCH	VL	TN	2.71	0.003240	± 2.5	PASS
		VN	TN	-0.23	-0.000275	± 2.5	PASS
		VH	TN	1.77	0.002116	± 2.5	PASS
	HCH	VL	TN	4.82	0.005687	± 2.5	PASS
		VN	TN	-0.63	-0.000743	± 2.5	PASS
		VH	TN	3.96	0.004673	± 2.5	PASS
16QAM	LCH	VL	TN	1.83	0.002217	± 2.5	PASS
		VN	TN	0.37	0.000448	± 2.5	PASS
		VH	TN	-1.07	-0.001296	± 2.5	PASS
	MCH	VL	TN	0.56	0.000669	± 2.5	PASS
		VN	TN	4.68	0.005595	± 2.5	PASS
		VH	TN	-1.43	-0.001710	± 2.5	PASS
	HCH	VL	TN	2.99	0.003528	± 2.5	PASS
		VN	TN	1.57	0.001853	± 2.5	PASS
		VH	TN	1.45	0.001711	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.91	0.004737	± 2.5	PASS
		VN	-20	2.81	0.003404	± 2.5	PASS
		VN	-10	4.03	0.004882	± 2.5	PASS
		VN	0	3.31	0.004010	± 2.5	PASS
		VN	10	-0.14	-0.000170	± 2.5	PASS
		VN	20	-0.59	-0.000715	± 2.5	PASS
		VN	30	4.47	0.005415	± 2.5	PASS
		VN	40	1.81	0.002193	± 2.5	PASS
	MCH	VN	50	3.92	0.004749	± 2.5	PASS
		VN	-30	1.12	0.001339	± 2.5	PASS
		VN	-20	1.26	0.001506	± 2.5	PASS
		VN	-10	4.24	0.005069	± 2.5	PASS
		VN	0	4.13	0.004937	± 2.5	PASS

	HCH	VN	10	1.39	0.001662	± 2.5	PASS	
		VN	20	-1.65	-0.001973	± 2.5	PASS	
		VN	30	0.59	0.000705	± 2.5	PASS	
		VN	40	4.64	0.005547	± 2.5	PASS	
		VN	50	3.37	0.004029	± 2.5	PASS	
		VN	-30	2.38	0.002808	± 2.5	PASS	
		VN	-20	0.64	0.000755	± 2.5	PASS	
		VN	-10	-0.83	-0.000979	± 2.5	PASS	
		VN	0	2.74	0.003233	± 2.5	PASS	
		VN	10	-0.76	-0.000897	± 2.5	PASS	
		VN	20	2.37	0.002796	± 2.5	PASS	
		VN	30	4.32	0.005097	± 2.5	PASS	
		VN	40	-1.07	-0.001263	± 2.5	PASS	
		VN	50	3.3	0.003894	± 2.5	PASS	
16QAM	LCH	VN	-30	4.67	0.005583	± 2.5	PASS	
		VN	-20	1.42	0.001698	± 2.5	PASS	
		VN	-10	2.26	0.002702	± 2.5	PASS	
		VN	0	0.15	0.000179	± 2.5	PASS	
		VN	10	2.9	0.003467	± 2.5	PASS	
		VN	20	2.7	0.003228	± 2.5	PASS	
		VN	30	0.54	0.000646	± 2.5	PASS	
		VN	40	1.1	0.001315	± 2.5	PASS	
		VN	50	4.04	0.004830	± 2.5	PASS	
		MCH	VN	-30	-0.24	-0.000283	± 2.5	PASS
			VN	-20	1.38	0.001628	± 2.5	PASS
			VN	-10	4.49	0.005298	± 2.5	PASS
			VN	0	-1.46	-0.001723	± 2.5	PASS
			VN	10	2.17	0.002560	± 2.5	PASS
	VN		20	-1.51	-0.001782	± 2.5	PASS	
	VN		30	-0.55	-0.000649	± 2.5	PASS	
	VN		40	2.63	0.003103	± 2.5	PASS	
	VN		50	4.44	0.005239	± 2.5	PASS	
	HCH		VN	-30	0.55	0.000649	± 2.5	PASS
			VN	-20	-1.12	-0.001322	± 2.5	PASS
			VN	-10	1.97	0.002324	± 2.5	PASS
			VN	0	-1.58	-0.001864	± 2.5	PASS
			VN	10	4.77	0.005628	± 2.5	PASS
		VN	20	4.35	0.005133	± 2.5	PASS	
		VN	30	0.63	0.000743	± 2.5	PASS	
		VN	40	1.15	0.001357	± 2.5	PASS	
		VN	50	-1.58	-0.001864	± 2.5	PASS	

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.15	0.005021	± 2.5	PASS
		VN	TN	-0.94	-0.001137	± 2.5	PASS
		VH	TN	0.14	0.000169	± 2.5	PASS
			VL	TN	-1.83	-0.002188	± 2.5

	MCH	VN	TN	2.83	0.003383	± 2.5	PASS	
		VH	TN	-0.92	-0.001100	± 2.5	PASS	
	HCH	VL	TN	-1.74	-0.002056	± 2.5	PASS	
		VN	TN	2.43	0.002871	± 2.5	PASS	
		VH	TN	4.01	0.004737	± 2.5	PASS	
	16QAM	LCH	VL	TN	-0.18	-0.000218	± 2.5	PASS
			VN	TN	2.17	0.002626	± 2.5	PASS
			VH	TN	3.62	0.004380	± 2.5	PASS
		MCH	VL	TN	4.85	0.005798	± 2.5	PASS
VN			TN	2.58	0.003084	± 2.5	PASS	
VH			TN	1.97	0.002355	± 2.5	PASS	
HCH		VL	TN	-1.95	-0.002304	± 2.5	PASS	
		VN	TN	1.87	0.002209	± 2.5	PASS	
		VH	TN	-0.14	-0.000165	± 2.5	PASS	
Temperature								
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	0.5	0.000605	± 2.5	PASS	
		VN	-20	-1.84	-0.002226	± 2.5	PASS	
		VN	-10	4.28	0.005178	± 2.5	PASS	
		VN	0	3.94	0.004767	± 2.5	PASS	
		VN	10	-1.77	-0.002142	± 2.5	PASS	
		VN	20	1.46	0.001766	± 2.5	PASS	
		VN	30	0.55	0.000665	± 2.5	PASS	
		VN	40	-1.26	-0.001525	± 2.5	PASS	
	MCH	VN	50	0.69	0.000835	± 2.5	PASS	
		VN	-30	0.82	0.000980	± 2.5	PASS	
		VN	-20	0.06	0.000072	± 2.5	PASS	
		VN	-10	0.27	0.000323	± 2.5	PASS	
		VN	0	0.65	0.000777	± 2.5	PASS	
		VN	10	1.86	0.002224	± 2.5	PASS	
		VN	20	2.51	0.003001	± 2.5	PASS	
		VN	30	1.23	0.001470	± 2.5	PASS	
	HCH	VN	40	3.33	0.003981	± 2.5	PASS	
		VN	50	4.71	0.005631	± 2.5	PASS	
		VN	-30	1.21	0.001429	± 2.5	PASS	
		VN	-20	-1.14	-0.001347	± 2.5	PASS	
		VN	-10	2.14	0.002528	± 2.5	PASS	
		VN	0	0.52	0.000614	± 2.5	PASS	
		VN	10	3.7	0.004371	± 2.5	PASS	
		VN	20	1.41	0.001666	± 2.5	PASS	
	16QAM	LCH	VN	30	1.57	0.001855	± 2.5	PASS
			VN	40	0.98	0.001158	± 2.5	PASS
			VN	50	2	0.002363	± 2.5	PASS
			VN	-30	-0.95	-0.001136	± 2.5	PASS
VN			-20	1.75	0.002092	± 2.5	PASS	
VN			-10	3.64	0.004351	± 2.5	PASS	
VN			0	3.63	0.004340	± 2.5	PASS	
VN	10	2.92	0.003491	± 2.5	PASS			
VN	20	-1.73	-0.002068	± 2.5	PASS			
VN	30	0.3	0.000359	± 2.5	PASS			

		VN	40	0.59	0.000705	± 2.5	PASS
		VN	50	3.91	0.004674	± 2.5	PASS
	MCH	VN	-30	1.18	0.001394	± 2.5	PASS
		VN	-20	-0.16	-0.000189	± 2.5	PASS
		VN	-10	1.85	0.002185	± 2.5	PASS
		VN	0	2.52	0.002977	± 2.5	PASS
		VN	10	3.7	0.004371	± 2.5	PASS
		VN	20	4.91	0.005800	± 2.5	PASS
		VN	30	2.56	0.003024	± 2.5	PASS
		VN	40	1.79	0.002115	± 2.5	PASS
		VN	50	-0.68	-0.000803	± 2.5	PASS
		HCH	VN	-30	2.4	0.002835	± 2.5
	VN		-20	2.18	0.002575	± 2.5	PASS
	VN		-10	3.96	0.004678	± 2.5	PASS
	VN		0	-1.7	-0.002008	± 2.5	PASS
	VN		10	-0.88	-0.001040	± 2.5	PASS
	VN		20	-1.91	-0.002256	± 2.5	PASS
	VN		30	-0.26	-0.000307	± 2.5	PASS
	VN		40	-1.65	-0.001949	± 2.5	PASS
VN	50		-0.74	-0.000874	± 2.5	PASS	

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.09	0.003727	± 2.5	PASS
		VN	TN	0.26	0.000314	± 2.5	PASS
		VH	TN	1.87	0.002256	± 2.5	PASS
	MCH	VL	TN	3.44	0.004112	± 2.5	PASS
		VN	TN	-0.72	-0.000861	± 2.5	PASS
		VH	TN	2.16	0.002582	± 2.5	PASS
	HCH	VL	TN	-1.59	-0.001884	± 2.5	PASS
		VN	TN	0.09	0.000107	± 2.5	PASS
		VH	TN	1.92	0.002275	± 2.5	PASS
16QAM	LCH	VL	TN	-0.36	-0.000434	± 2.5	PASS
		VN	TN	2.81	0.003390	± 2.5	PASS
		VH	TN	-1.96	-0.002364	± 2.5	PASS
	MCH	VL	TN	0.54	0.000646	± 2.5	PASS
		VN	TN	4.58	0.005475	± 2.5	PASS
		VH	TN	-0.38	-0.000454	± 2.5	PASS
	HCH	VL	TN	-0.65	-0.000770	± 2.5	PASS
		VN	TN	0.06	0.000071	± 2.5	PASS
		VH	TN	2.32	0.002749	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.03	0.001242	± 2.5	PASS
		VN	-20	0.15	0.000181	± 2.5	PASS
		VN	-10	-0.18	-0.000217	± 2.5	PASS
		VN	0	-1.16	-0.001399	± 2.5	PASS

		VN	10	0.93	0.001122	± 2.5	PASS
		VN	20	2.43	0.002931	± 2.5	PASS
		VN	30	3.11	0.003752	± 2.5	PASS
		VN	40	3.24	0.003908	± 2.5	PASS
		VN	50	-1	-0.001206	± 2.5	PASS
	MCH	VN	-30	1.42	0.001698	± 2.5	PASS
		VN	-20	2.43	0.002905	± 2.5	PASS
		VN	-10	4.66	0.005571	± 2.5	PASS
		VN	0	3.24	0.003873	± 2.5	PASS
		VN	10	3.38	0.004041	± 2.5	PASS
		VN	20	-1.85	-0.002212	± 2.5	PASS
		VN	30	0.42	0.000502	± 2.5	PASS
		VN	40	1.03	0.001231	± 2.5	PASS
		VN	50	0.56	0.000669	± 2.5	PASS
		HCH	VN	-30	-0.49	-0.000581	± 2.5
	VN		-20	4.79	0.005675	± 2.5	PASS
	VN		-10	3.78	0.004479	± 2.5	PASS
	VN		0	3.02	0.003578	± 2.5	PASS
	VN		10	1.11	0.001315	± 2.5	PASS
	VN		20	0.52	0.000616	± 2.5	PASS
VN	30		2.84	0.003365	± 2.5	PASS	
VN	40		2.74	0.003246	± 2.5	PASS	
VN	50		1.27	0.001505	± 2.5	PASS	
16QAM	LCH	VN	-30	-1.76	-0.002104	± 2.5	PASS
		VN	-20	-1.92	-0.002295	± 2.5	PASS
		VN	-10	1.3	0.001554	± 2.5	PASS
		VN	0	4.36	0.005212	± 2.5	PASS
		VN	10	2.16	0.002582	± 2.5	PASS
		VN	20	0.82	0.000980	± 2.5	PASS
		VN	30	3.83	0.004579	± 2.5	PASS
		VN	40	1.44	0.001721	± 2.5	PASS
		VN	50	-1.84	-0.002200	± 2.5	PASS
		MCH	VN	-30	3.33	0.003945	± 2.5
	VN		-20	2.23	0.002642	± 2.5	PASS
	VN		-10	0.82	0.000972	± 2.5	PASS
	VN		0	3.22	0.003815	± 2.5	PASS
	VN		10	-1.76	-0.002085	± 2.5	PASS
	VN		20	4.1	0.004858	± 2.5	PASS
	VN		30	0.83	0.000983	± 2.5	PASS
	VN		40	-0.03	-0.000036	± 2.5	PASS
	VN		50	0.58	0.000687	± 2.5	PASS
	HCH		VN	-30	4.13	0.004893	± 2.5
		VN	-20	3.09	0.003661	± 2.5	PASS
		VN	-10	-1.7	-0.002014	± 2.5	PASS
		VN	0	0.65	0.000770	± 2.5	PASS
		VN	10	4.02	0.004763	± 2.5	PASS
		VN	20	-1.96	-0.002322	± 2.5	PASS
		VN	30	-1.76	-0.002085	± 2.5	PASS
		VN	40	-1.71	-0.002026	± 2.5	PASS
		VN	50	2.85	0.003377	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.61	-0.000328	± 2.5	PASS
		VN	TN	0.62	0.000334	± 2.5	PASS
		VH	TN	0.37	0.000199	± 2.5	PASS
	MCH	VL	TN	0.34	0.000181	± 2.5	PASS
		VN	TN	0.01	0.000005	± 2.5	PASS
		VH	TN	1.27	0.000676	± 2.5	PASS
	HCH	VL	TN	0.00	0.000000	± 2.5	PASS
		VN	TN	2.81	0.001477	± 2.5	PASS
		VH	TN	4.28	0.002250	± 2.5	PASS
16QAM	LCH	VL	TN	-0.54	-0.000291	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	0.23	0.000124	± 2.5	PASS
	MCH	VL	TN	2.21	0.001176	± 2.5	PASS
		VN	TN	2.78	0.001479	± 2.5	PASS
		VH	TN	0.16	0.000085	± 2.5	PASS
	HCH	VL	TN	3.39	0.001782	± 2.5	PASS
		VN	TN	-0.81	-0.000426	± 2.5	PASS
		VH	TN	0.50	0.000263	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.36	0.000732	± 2.5	PASS
		VN	-20	0.82	0.000441	± 2.5	PASS
		VN	-10	1.92	0.001034	± 2.5	PASS
		VN	0	-0.93	-0.000501	± 2.5	PASS
		VN	10	-1.89	-0.001017	± 2.5	PASS
		VN	20	-1.07	-0.000576	± 2.5	PASS
		VN	30	4.55	0.00245	± 2.5	PASS
		VN	40	-0.08	-0.000043	± 2.5	PASS
		VN	50	-0.64	-0.000345	± 2.5	PASS
	MCH	VN	-30	4.39	0.002335	± 2.5	PASS
		VN	-20	4.19	0.002229	± 2.5	PASS
		VN	-10	1.59	0.000846	± 2.5	PASS
		VN	0	2.66	0.001415	± 2.5	PASS
		VN	10	1.45	0.000771	± 2.5	PASS
		VN	20	3.3	0.001755	± 2.5	PASS
		VN	30	0.07	0.000037	± 2.5	PASS
		VN	40	2.19	0.001165	± 2.5	PASS
		VN	50	0.78	0.000415	± 2.5	PASS
	HCH	VN	-30	0.32	0.000168	± 2.5	PASS
		VN	-20	0.78	0.00041	± 2.5	PASS
		VN	-10	4.83	0.002539	± 2.5	PASS
		VN	0	1.81	0.000951	± 2.5	PASS
		VN	10	3.18	0.001671	± 2.5	PASS
		VN	20	3.86	0.002029	± 2.5	PASS
VN		30	1.68	0.000883	± 2.5	PASS	
VN	40	0.46	0.000242	± 2.5	PASS		

16QAM	LCH	VN	50	3.17	0.001666	± 2.5	PASS
		VN	-30	-1.22	-0.000657	± 2.5	PASS
		VN	-20	2.18	0.001174	± 2.5	PASS
		VN	-10	1.21	0.000651	± 2.5	PASS
		VN	0	0.16	0.000086	± 2.5	PASS
		VN	10	-0.98	-0.000528	± 2.5	PASS
		VN	20	-0.79	-0.000425	± 2.5	PASS
		VN	30	3.19	0.001717	± 2.5	PASS
		VN	40	-1.44	-0.000775	± 2.5	PASS
		VN	50	3.02	0.001626	± 2.5	PASS
	MCH	VN	-30	4.68	0.002489	± 2.5	PASS
		VN	-20	-0.76	-0.000404	± 2.5	PASS
		VN	-10	1.59	0.000846	± 2.5	PASS
		VN	0	1.45	0.000771	± 2.5	PASS
		VN	10	-0.11	-0.000059	± 2.5	PASS
		VN	20	-1.37	-0.000729	± 2.5	PASS
		VN	30	4.42	0.002351	± 2.5	PASS
		VN	40	1.36	0.000723	± 2.5	PASS
	HCH	VN	50	1.16	0.000617	± 2.5	PASS
		VN	-30	1.81	0.000951	± 2.5	PASS
		VN	-20	2.94	0.001545	± 2.5	PASS
		VN	-10	3.75	0.001971	± 2.5	PASS
		VN	0	1.66	0.000873	± 2.5	PASS
		VN	10	0.86	0.000452	± 2.5	PASS
		VN	20	-0.85	-0.000447	± 2.5	PASS
		VN	30	3.18	0.001671	± 2.5	PASS
	VN	40	4.6	0.002418	± 2.5	PASS	
	VN	50	4.78	0.002512	± 2.5	PASS	

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.28	-0.000151	± 2.5	PASS
		VN	TN	0.45	0.000242	± 2.5	PASS
		VH	TN	2.07	0.001113	± 2.5	PASS
	MCH	VL	TN	2.86	0.001521	± 2.5	PASS
		VN	TN	-1.40	-0.000745	± 2.5	PASS
		VH	TN	2.77	0.001473	± 2.5	PASS
	HCH	VL	TN	-1.21	-0.000637	± 2.5	PASS
		VN	TN	0.71	0.000374	± 2.5	PASS
		VH	TN	1.71	0.000900	± 2.5	PASS
16QAM	LCH	VL	TN	4.35	0.002339	± 2.5	PASS
		VN	TN	1.91	0.001027	± 2.5	PASS
		VH	TN	1.95	0.001048	± 2.5	PASS
	MCH	VL	TN	-1.09	-0.000580	± 2.5	PASS
		VN	TN	4.55	0.002420	± 2.5	PASS
		VH	TN	3.17	0.001686	± 2.5	PASS
	HCH	VL	TN	2.99	0.001574	± 2.5	PASS
		VN	TN	3.23	0.001700	± 2.5	PASS
		VH	TN	1.63	0.000858	± 2.5	PASS

Modulation	Channel	Voltage [Vdc]	Temperature				Verdict
			Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	
QPSK	LCH	VN	-30	-0.17	-0.000091	± 2.5	PASS
		VN	-20	-0.65	-0.000349	± 2.5	PASS
		VN	-10	-1.10	-0.000591	± 2.5	PASS
		VN	0	4.67	0.002511	± 2.5	PASS
		VN	10	-0.67	-0.000360	± 2.5	PASS
		VN	20	2.37	0.001274	± 2.5	PASS
		VN	30	4.43	0.002382	± 2.5	PASS
		VN	40	4.07	0.002188	± 2.5	PASS
	VN	50	-1.43	-0.000769	± 2.5	PASS	
	MCH	VN	-30	4.39	0.002335	± 2.5	PASS
		VN	-20	4.19	0.002229	± 2.5	PASS
		VN	-10	1.59	0.000846	± 2.5	PASS
		VN	0	2.66	0.001415	± 2.5	PASS
		VN	10	1.45	0.000771	± 2.5	PASS
		VN	20	3.30	0.001755	± 2.5	PASS
		VN	30	0.07	0.000037	± 2.5	PASS
		VN	40	2.19	0.001165	± 2.5	PASS
	VN	50	0.78	0.000415	± 2.5	PASS	
	HCH	VN	-30	0.32	0.000168	± 2.5	PASS
		VN	-20	0.78	0.000410	± 2.5	PASS
		VN	-10	4.83	0.002539	± 2.5	PASS
		VN	0	1.81	0.000951	± 2.5	PASS
		VN	10	3.18	0.001671	± 2.5	PASS
		VN	20	3.86	0.002029	± 2.5	PASS
		VN	30	1.68	0.000883	± 2.5	PASS
		VN	40	0.46	0.000242	± 2.5	PASS
	VN	50	3.17	0.001666	± 2.5	PASS	
16QAM	LCH	VN	-30	-1.22	-0.000657	± 2.5	PASS
		VN	-20	2.18	0.001174	± 2.5	PASS
		VN	-10	1.21	0.000651	± 2.5	PASS
		VN	0	0.16	0.000086	± 2.5	PASS
		VN	10	-0.98	-0.000528	± 2.5	PASS
		VN	20	-0.79	-0.000425	± 2.5	PASS
		VN	30	3.19	0.001717	± 2.5	PASS
		VN	40	-1.44	-0.000775	± 2.5	PASS
	VN	50	3.02	0.001626	± 2.5	PASS	
	MCH	VN	-30	4.68	0.002489	± 2.5	PASS
		VN	-20	-0.76	-0.000404	± 2.5	PASS
		VN	-10	1.59	0.000846	± 2.5	PASS
		VN	0	1.45	0.000771	± 2.5	PASS
		VN	10	-0.11	-0.000059	± 2.5	PASS
		VN	20	-1.37	-0.000729	± 2.5	PASS
		VN	30	4.42	0.002351	± 2.5	PASS
		VN	40	1.36	0.000723	± 2.5	PASS
	VN	50	1.16	0.000617	± 2.5	PASS	
	HCH	VN	-30	1.81	0.000951	± 2.5	PASS
		VN	-20	2.94	0.001545	± 2.5	PASS
VN		-10	3.75	0.001971	± 2.5	PASS	
VN		0	1.66	0.000873	± 2.5	PASS	

		VN	10	0.86	0.000452	± 2.5	PASS
		VN	20	-0.85	-0.000447	± 2.5	PASS
		VN	30	3.18	0.001671	± 2.5	PASS
		VN	40	4.6	0.002418	± 2.5	PASS
		VN	50	4.78	0.002512	± 2.5	PASS

Band 5
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.79	-0.000958	± 2.5	PASS
		VN	TN	4.56	0.005529	± 2.5	PASS
		VH	TN	-0.45	-0.000546	± 2.5	PASS
	MCH	VL	TN	0.93	0.001112	± 2.5	PASS
		VN	TN	4.87	0.005822	± 2.5	PASS
		VH	TN	0.3	0.000359	± 2.5	PASS
	HCH	VL	TN	2.07	0.002440	± 2.5	PASS
		VN	TN	0.73	0.000861	± 2.5	PASS
		VH	TN	2.26	0.002664	± 2.5	PASS
16QAM	LCH	VL	TN	0.42	0.000509	± 2.5	PASS
		VN	TN	-0.25	-0.000303	± 2.5	PASS
		VH	TN	3.46	0.004195	± 2.5	PASS
	MCH	VL	TN	1.43	0.001710	± 2.5	PASS
		VN	TN	-1.33	-0.001590	± 2.5	PASS
		VH	TN	-0.99	-0.001184	± 2.5	PASS
	HCH	VL	TN	3.47	0.004091	± 2.5	PASS
		VN	TN	2.37	0.002794	± 2.5	PASS
		VH	TN	4.3	0.005069	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.15	0.003820	± 2.5	PASS
		VN	-20	0.31	0.000376	± 2.5	PASS
		VN	-10	2.23	0.002704	± 2.5	PASS
		VN	0	1.53	0.001855	± 2.5	PASS
		VN	10	2.98	0.003613	± 2.5	PASS
		VN	20	4.44	0.005384	± 2.5	PASS
		VN	30	1.63	0.001976	± 2.5	PASS
		VN	40	4.27	0.005178	± 2.5	PASS
	MCH	VN	50	2.51	0.003044	± 2.5	PASS
		VN	-30	-1.1	-0.001315	± 2.5	PASS
		VN	-20	3.82	0.004567	± 2.5	PASS
		VN	-10	-0.8	-0.000956	± 2.5	PASS
		VN	0	4.11	0.004913	± 2.5	PASS
		VN	10	4.14	0.004949	± 2.5	PASS
		VN	20	4.13	0.004937	± 2.5	PASS
		VN	30	-0.81	-0.000968	± 2.5	PASS
		VN	40	-1.19	-0.001423	± 2.5	PASS

	HCH	VN	50	4.55	0.005439	± 2.5	PASS
		VN	-30	2.79	0.003289	± 2.5	PASS
		VN	-20	-0.81	-0.000955	± 2.5	PASS
		VN	-10	-1.34	-0.001580	± 2.5	PASS
		VN	0	-1.31	-0.001544	± 2.5	PASS
		VN	10	4.83	0.005694	± 2.5	PASS
		VN	20	0.36	0.000424	± 2.5	PASS
		VN	30	4.24	0.004998	± 2.5	PASS
		VN	40	4.8	0.005658	± 2.5	PASS
		VN	50	4.1	0.004833	± 2.5	PASS
16QAM	LCH	VN	-30	-0.07	-0.000085	± 2.5	PASS
		VN	-20	0.5	0.000606	± 2.5	PASS
		VN	-10	-0.66	-0.000800	± 2.5	PASS
		VN	0	2.99	0.003626	± 2.5	PASS
		VN	10	3.84	0.004656	± 2.5	PASS
		VN	20	4.82	0.005845	± 2.5	PASS
		VN	30	-1.81	-0.002195	± 2.5	PASS
		VN	40	4.34	0.005263	± 2.5	PASS
		VN	50	0.83	0.001006	± 2.5	PASS
	MCH	VN	-30	0.31	0.000365	± 2.5	PASS
		VN	-20	3.53	0.004161	± 2.5	PASS
		VN	-10	4.93	0.005812	± 2.5	PASS
		VN	0	0.92	0.001085	± 2.5	PASS
		VN	10	4	0.004715	± 2.5	PASS
		VN	20	-0.65	-0.000766	± 2.5	PASS
		VN	30	2.22	0.002617	± 2.5	PASS
		VN	40	0.91	0.001073	± 2.5	PASS
		VN	50	2.21	0.002605	± 2.5	PASS
	HCH	VN	-30	3.06	0.003607	± 2.5	PASS
		VN	-20	3.29	0.003878	± 2.5	PASS
		VN	-10	-0.44	-0.000519	± 2.5	PASS
		VN	0	1.99	0.002346	± 2.5	PASS
		VN	10	2.57	0.003030	± 2.5	PASS
		VN	20	0.7	0.000825	± 2.5	PASS
		VN	30	0.7	0.000825	± 2.5	PASS
		VN	40	-1.63	-0.001921	± 2.5	PASS
		VN	50	4.39	0.005175	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.44	0.000533	± 2.5	PASS
		VN	TN	4.49	0.005439	± 2.5	PASS
		VH	TN	-1.39	-0.001684	± 2.5	PASS
	MCH	VL	TN	2.71	0.003240	± 2.5	PASS
		VN	TN	-0.23	-0.000275	± 2.5	PASS
		VH	TN	1.77	0.002116	± 2.5	PASS

16QAM	HCH	VL	TN	4.82	0.005687	± 2.5	PASS
		VN	TN	-0.63	-0.000743	± 2.5	PASS
		VH	TN	3.96	0.004673	± 2.5	PASS
	LCH	VL	TN	1.83	0.002217	± 2.5	PASS
		VN	TN	0.37	0.000448	± 2.5	PASS
		VH	TN	-1.07	-0.001296	± 2.5	PASS
	MCH	VL	TN	0.56	0.000669	± 2.5	PASS
		VN	TN	4.68	0.005595	± 2.5	PASS
		VH	TN	-1.43	-0.001710	± 2.5	PASS
HCH	VL	TN	2.99	0.003528	± 2.5	PASS	
	VN	TN	1.57	0.001853	± 2.5	PASS	
	VH	TN	1.45	0.001711	± 2.5	PASS	
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.91	0.004737	± 2.5	PASS
		VN	-20	2.81	0.003404	± 2.5	PASS
		VN	-10	4.03	0.004882	± 2.5	PASS
		VN	0	3.31	0.004010	± 2.5	PASS
		VN	10	-0.14	-0.000170	± 2.5	PASS
		VN	20	-0.59	-0.000715	± 2.5	PASS
		VN	30	4.47	0.005415	± 2.5	PASS
		VN	40	1.81	0.002193	± 2.5	PASS
		VN	50	3.92	0.004749	± 2.5	PASS
	MCH	VN	-30	1.12	0.001339	± 2.5	PASS
		VN	-20	1.26	0.001506	± 2.5	PASS
		VN	-10	4.24	0.005069	± 2.5	PASS
		VN	0	4.13	0.004937	± 2.5	PASS
		VN	10	1.39	0.001662	± 2.5	PASS
		VN	20	-1.65	-0.001973	± 2.5	PASS
		VN	30	0.59	0.000705	± 2.5	PASS
		VN	40	4.64	0.005547	± 2.5	PASS
		VN	50	3.37	0.004029	± 2.5	PASS
	HCH	VN	-30	2.38	0.002808	± 2.5	PASS
		VN	-20	0.64	0.000755	± 2.5	PASS
		VN	-10	-0.83	-0.000979	± 2.5	PASS
		VN	0	2.74	0.003233	± 2.5	PASS
		VN	10	-0.76	-0.000897	± 2.5	PASS
		VN	20	2.37	0.002796	± 2.5	PASS
		VN	30	4.32	0.005097	± 2.5	PASS
		VN	40	-1.07	-0.001263	± 2.5	PASS
		VN	50	3.3	0.003894	± 2.5	PASS
16QAM	LCH	VN	-30	4.67	0.005583	± 2.5	PASS
		VN	-20	1.42	0.001698	± 2.5	PASS
		VN	-10	2.26	0.002702	± 2.5	PASS
		VN	0	0.15	0.000179	± 2.5	PASS
		VN	10	2.9	0.003467	± 2.5	PASS
		VN	20	2.7	0.003228	± 2.5	PASS
		VN	30	0.54	0.000646	± 2.5	PASS
		VN	40	1.1	0.001315	± 2.5	PASS
		VN	50	4.04	0.004830	± 2.5	PASS

	MCH	VN	-30	-0.24	-0.000283	± 2.5	PASS
		VN	-20	1.38	0.001628	± 2.5	PASS
		VN	-10	4.49	0.005298	± 2.5	PASS
		VN	0	-1.46	-0.001723	± 2.5	PASS
		VN	10	2.17	0.002560	± 2.5	PASS
		VN	20	-1.51	-0.001782	± 2.5	PASS
		VN	30	-0.55	-0.000649	± 2.5	PASS
		VN	40	2.63	0.003103	± 2.5	PASS
	HCH	VN	50	4.44	0.005239	± 2.5	PASS
		VN	-30	0.55	0.000649	± 2.5	PASS
		VN	-20	-1.12	-0.001322	± 2.5	PASS
		VN	-10	1.97	0.002324	± 2.5	PASS
		VN	0	-1.58	-0.001864	± 2.5	PASS
		VN	10	4.77	0.005628	± 2.5	PASS
		VN	20	4.35	0.005133	± 2.5	PASS
		VN	30	0.63	0.000743	± 2.5	PASS
		VN	40	1.15	0.001357	± 2.5	PASS
VN	50	-1.58	-0.001864	± 2.5	PASS		

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.15	0.005021	± 2.5	PASS
		VN	TN	-0.94	-0.001137	± 2.5	PASS
		VH	TN	0.14	0.000169	± 2.5	PASS
	MCH	VL	TN	-1.83	-0.002188	± 2.5	PASS
		VN	TN	2.83	0.003383	± 2.5	PASS
		VH	TN	-0.92	-0.001100	± 2.5	PASS
	HCH	VL	TN	-1.74	-0.002056	± 2.5	PASS
		VN	TN	2.43	0.002871	± 2.5	PASS
		VH	TN	4.01	0.004737	± 2.5	PASS
16QAM	LCH	VL	TN	-0.18	-0.000218	± 2.5	PASS
		VN	TN	2.17	0.002626	± 2.5	PASS
		VH	TN	3.62	0.004380	± 2.5	PASS
	MCH	VL	TN	4.85	0.005798	± 2.5	PASS
		VN	TN	2.58	0.003084	± 2.5	PASS
		VH	TN	1.97	0.002355	± 2.5	PASS
	HCH	VL	TN	-1.95	-0.002304	± 2.5	PASS
		VN	TN	1.87	0.002209	± 2.5	PASS
		VH	TN	-0.14	-0.000165	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.5	0.000605	± 2.5	PASS
		VN	-20	-1.84	-0.002226	± 2.5	PASS
		VN	-10	4.28	0.005178	± 2.5	PASS
		VN	0	3.94	0.004767	± 2.5	PASS
		VN	10	-1.77	-0.002142	± 2.5	PASS
		VN	20	1.46	0.001766	± 2.5	PASS

	MCH	VN	30	0.55	0.000665	± 2.5	PASS
		VN	40	-1.26	-0.001525	± 2.5	PASS
		VN	50	0.69	0.000835	± 2.5	PASS
		VN	-30	0.82	0.000980	± 2.5	PASS
		VN	-20	0.06	0.000072	± 2.5	PASS
		VN	-10	0.27	0.000323	± 2.5	PASS
		VN	0	0.65	0.000777	± 2.5	PASS
		VN	10	1.86	0.002224	± 2.5	PASS
		VN	20	2.51	0.003001	± 2.5	PASS
		VN	30	1.23	0.001470	± 2.5	PASS
	HCH	VN	40	3.33	0.003981	± 2.5	PASS
		VN	50	4.71	0.005631	± 2.5	PASS
		VN	-30	1.21	0.001429	± 2.5	PASS
		VN	-20	-1.14	-0.001347	± 2.5	PASS
		VN	-10	2.14	0.002528	± 2.5	PASS
		VN	0	0.52	0.000614	± 2.5	PASS
		VN	10	3.7	0.004371	± 2.5	PASS
		VN	20	1.41	0.001666	± 2.5	PASS
		VN	30	1.57	0.001855	± 2.5	PASS
		VN	40	0.98	0.001158	± 2.5	PASS
16QAM	LCH	VN	50	2	0.002363	± 2.5	PASS
		VN	-30	-0.95	-0.001136	± 2.5	PASS
		VN	-20	1.75	0.002092	± 2.5	PASS
		VN	-10	3.64	0.004351	± 2.5	PASS
		VN	0	3.63	0.004340	± 2.5	PASS
		VN	10	2.92	0.003491	± 2.5	PASS
		VN	20	-1.73	-0.002068	± 2.5	PASS
		VN	30	0.3	0.000359	± 2.5	PASS
		VN	40	0.59	0.000705	± 2.5	PASS
		VN	50	3.91	0.004674	± 2.5	PASS
	MCH	VN	-30	1.18	0.001394	± 2.5	PASS
		VN	-20	-0.16	-0.000189	± 2.5	PASS
		VN	-10	1.85	0.002185	± 2.5	PASS
		VN	0	2.52	0.002977	± 2.5	PASS
		VN	10	3.7	0.004371	± 2.5	PASS
		VN	20	4.91	0.005800	± 2.5	PASS
		VN	30	2.56	0.003024	± 2.5	PASS
		VN	40	1.79	0.002115	± 2.5	PASS
		VN	50	-0.68	-0.000803	± 2.5	PASS
		HCH	VN	-30	2.4	0.002835	± 2.5
VN	-20		2.18	0.002575	± 2.5	PASS	
VN	-10		3.96	0.004678	± 2.5	PASS	
VN	0		-1.7	-0.002008	± 2.5	PASS	
VN	10		-0.88	-0.001040	± 2.5	PASS	
VN	20		-1.91	-0.002256	± 2.5	PASS	
VN	30		-0.26	-0.000307	± 2.5	PASS	
VN	40		-1.65	-0.001949	± 2.5	PASS	
VN	50		-0.74	-0.000874	± 2.5	PASS	

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.09	0.003727	± 2.5	PASS
		VN	TN	0.26	0.000314	± 2.5	PASS
		VH	TN	1.87	0.002256	± 2.5	PASS
	MCH	VL	TN	3.44	0.004112	± 2.5	PASS
		VN	TN	-0.72	-0.000861	± 2.5	PASS
		VH	TN	2.16	0.002582	± 2.5	PASS
	HCH	VL	TN	-1.59	-0.001884	± 2.5	PASS
		VN	TN	0.09	0.000107	± 2.5	PASS
		VH	TN	1.92	0.002275	± 2.5	PASS
16QAM	LCH	VL	TN	-0.36	-0.000434	± 2.5	PASS
		VN	TN	2.81	0.003390	± 2.5	PASS
		VH	TN	-1.96	-0.002364	± 2.5	PASS
	MCH	VL	TN	0.54	0.000646	± 2.5	PASS
		VN	TN	4.58	0.005475	± 2.5	PASS
		VH	TN	-0.38	-0.000454	± 2.5	PASS
	HCH	VL	TN	-0.65	-0.000770	± 2.5	PASS
		VN	TN	0.06	0.000071	± 2.5	PASS
		VH	TN	2.32	0.002749	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.03	0.001242	± 2.5	PASS
		VN	-20	0.15	0.000181	± 2.5	PASS
		VN	-10	-0.18	-0.000217	± 2.5	PASS
		VN	0	-1.16	-0.001399	± 2.5	PASS
		VN	10	0.93	0.001122	± 2.5	PASS
		VN	20	2.43	0.002931	± 2.5	PASS
		VN	30	3.11	0.003752	± 2.5	PASS
		VN	40	3.24	0.003908	± 2.5	PASS
		VN	50	-1	-0.001206	± 2.5	PASS
	MCH	VN	-30	1.42	0.001698	± 2.5	PASS
		VN	-20	2.43	0.002905	± 2.5	PASS
		VN	-10	4.66	0.005571	± 2.5	PASS
		VN	0	3.24	0.003873	± 2.5	PASS
		VN	10	3.38	0.004041	± 2.5	PASS
		VN	20	-1.85	-0.002212	± 2.5	PASS
		VN	30	0.42	0.000502	± 2.5	PASS
		VN	40	1.03	0.001231	± 2.5	PASS
		VN	50	0.56	0.000669	± 2.5	PASS
	HCH	VN	-30	-0.49	-0.000581	± 2.5	PASS
		VN	-20	4.79	0.005675	± 2.5	PASS
		VN	-10	3.78	0.004479	± 2.5	PASS
		VN	0	3.02	0.003578	± 2.5	PASS
		VN	10	1.11	0.001315	± 2.5	PASS
		VN	20	0.52	0.000616	± 2.5	PASS

16QAM	LCH	VN	30	2.84	0.003365	± 2.5	PASS
		VN	40	2.74	0.003246	± 2.5	PASS
		VN	50	1.27	0.001505	± 2.5	PASS
	MCH	VN	-30	-1.76	-0.002104	± 2.5	PASS
		VN	-20	-1.92	-0.002295	± 2.5	PASS
		VN	-10	1.3	0.001554	± 2.5	PASS
		VN	0	4.36	0.005212	± 2.5	PASS
		VN	10	2.16	0.002582	± 2.5	PASS
		VN	20	0.82	0.000980	± 2.5	PASS
		VN	30	3.83	0.004579	± 2.5	PASS
		VN	40	1.44	0.001721	± 2.5	PASS
		VN	50	-1.84	-0.002200	± 2.5	PASS
		HCH	VN	-30	3.33	0.003945	± 2.5
	VN		-20	2.23	0.002642	± 2.5	PASS
	VN		-10	0.82	0.000972	± 2.5	PASS
	VN		0	3.22	0.003815	± 2.5	PASS
	VN		10	-1.76	-0.002085	± 2.5	PASS
	VN		20	4.1	0.004858	± 2.5	PASS
	VN		30	0.83	0.000983	± 2.5	PASS
	VN		40	-0.03	-0.000036	± 2.5	PASS
VN	50		0.58	0.000687	± 2.5	PASS	
VN	-30		4.13	0.004893	± 2.5	PASS	
VN	-20	3.09	0.003661	± 2.5	PASS		
VN	-10	-1.7	-0.002014	± 2.5	PASS		
VN	0	0.65	0.000770	± 2.5	PASS		
VN	10	4.02	0.004763	± 2.5	PASS		
VN	20	-1.96	-0.002322	± 2.5	PASS		
VN	30	-1.76	-0.002085	± 2.5	PASS		
VN	40	-1.71	-0.002026	± 2.5	PASS		
VN	50	2.85	0.003377	± 2.5	PASS		

Band 7

Channel Bandwidth: 5.0 MHz

Channel Bandwidth: 5.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.42	0.002388	± 2.5	PASS
		VN	TN	-0.6	-0.000324	± 2.5	PASS
		VH	TN	-1.09	-0.000589	± 2.5	PASS
	MCH	VL	TN	4.74	0.002518	± 2.5	PASS
		VN	TN	0.77	0.000409	± 2.5	PASS
		VH	TN	-0.94	-0.000499	± 2.5	PASS
	HCH	VL	TN	3.09	0.001614	± 2.5	PASS
		VN	TN	4.89	0.002554	± 2.5	PASS
		VH	TN	2.78	0.001452	± 2.5	PASS
16QAM	LCH	VL	TN	-1.83	-0.000989	± 2.5	PASS
		VN	TN	1.67	0.000902	± 2.5	PASS
		VH	TN	-1.66	-0.000897	± 2.5	PASS
		VL	TN	4.26	0.002263	± 2.5	PASS

	MCH	VN	TN	-0.49	-0.000260	± 2.5	PASS	
		VH	TN	4.24	0.002252	± 2.5	PASS	
	HCH	VL	TN	-0.96	-0.000503	± 2.5	PASS	
		VN	TN	-0.5	-0.000262	± 2.5	PASS	
		VH	TN	3.92	0.002053	± 2.5	PASS	
Temperature								
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	-1.63	-0.000881	± 2.5	PASS	
		VN	-20	2.09	0.001129	± 2.5	PASS	
		VN	-10	-1.18	-0.000638	± 2.5	PASS	
		VN	0	0.22	0.000119	± 2.5	PASS	
		VN	10	1.48	0.000800	± 2.5	PASS	
		VN	20	-1.97	-0.001064	± 2.5	PASS	
		VN	30	2.22	0.001200	± 2.5	PASS	
		VN	40	3.81	0.002059	± 2.5	PASS	
	MCH	VN	50	2.12	0.001146	± 2.5	PASS	
		VN	-30	0.11	0.000058	± 2.5	PASS	
		VN	-20	-0.07	-0.000037	± 2.5	PASS	
		VN	-10	-1.67	-0.000887	± 2.5	PASS	
		VN	0	4.6	0.002444	± 2.5	PASS	
		VN	10	3.65	0.001939	± 2.5	PASS	
		VN	20	3.33	0.001769	± 2.5	PASS	
		VN	30	4.13	0.002194	± 2.5	PASS	
	HCH	VN	40	0.64	0.000340	± 2.5	PASS	
		VN	50	4.36	0.002316	± 2.5	PASS	
		VN	-30	1.93	0.001008	± 2.5	PASS	
		VN	-20	0.88	0.000460	± 2.5	PASS	
		VN	-10	1.14	0.000596	± 2.5	PASS	
		VN	0	1.16	0.000606	± 2.5	PASS	
		VN	10	-1.21	-0.000632	± 2.5	PASS	
		VN	20	1.91	0.000998	± 2.5	PASS	
	16QAM	LCH	VN	30	1.09	0.000569	± 2.5	PASS
			VN	40	0.68	0.000355	± 2.5	PASS
			VN	50	-0.38	-0.000199	± 2.5	PASS
			VN	-30	2.87	0.001551	± 2.5	PASS
VN			-20	3.77	0.002037	± 2.5	PASS	
VN			-10	-0.35	-0.000189	± 2.5	PASS	
VN			0	0.6	0.000324	± 2.5	PASS	
VN			10	0.62	0.000335	± 2.5	PASS	
MCH		VN	20	0.13	0.000070	± 2.5	PASS	
		VN	30	1.9	0.001027	± 2.5	PASS	
		VN	40	1.48	0.000800	± 2.5	PASS	
		VN	50	-0.78	-0.000421	± 2.5	PASS	
		VN	-30	-0.74	-0.000393	± 2.5	PASS	
		VN	-20	-0.87	-0.000462	± 2.5	PASS	
		VN	-10	3.44	0.001827	± 2.5	PASS	
		VN	0	3.37	0.001790	± 2.5	PASS	
		VN	10	-1.76	-0.000935	± 2.5	PASS	
		VN	20	0.54	0.000287	± 2.5	PASS	
		VN	30	1.11	0.000590	± 2.5	PASS	

		VN	40	3.99	0.002120	± 2.5	PASS
		VN	50	3.51	0.001865	± 2.5	PASS
	HCH	VN	-30	4.53	0.002366	± 2.5	PASS
		VN	-20	2.36	0.001233	± 2.5	PASS
		VN	-10	-1.97	-0.001029	± 2.5	PASS
		VN	0	3.25	0.001698	± 2.5	PASS
		VN	10	4.67	0.002440	± 2.5	PASS
		VN	20	-1.49	-0.000778	± 2.5	PASS
		VN	30	3.21	0.001677	± 2.5	PASS
		VN	40	4.98	0.002601	± 2.5	PASS
		VN	50	-0.47	-0.000246	± 2.5	PASS

Channel Bandwidth: 10.0 MHz

Channel Bandwidth: 10.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.05	0.002187	± 2.5	PASS
		VN	TN	4.24	0.002290	± 2.5	PASS
		VH	TN	3.71	0.002004	± 2.5	PASS
	MCH	VL	TN	1.45	0.000770	± 2.5	PASS
		VN	TN	3.29	0.001748	± 2.5	PASS
		VH	TN	2.11	0.001121	± 2.5	PASS
	HCH	VL	TN	-1.6	-0.000836	± 2.5	PASS
		VN	TN	4.14	0.002164	± 2.5	PASS
		VH	TN	0.53	0.000277	± 2.5	PASS
16QAM	LCH	VL	TN	0.94	0.000508	± 2.5	PASS
		VN	TN	1.72	0.000929	± 2.5	PASS
		VH	TN	-0.79	-0.000427	± 2.5	PASS
	MCH	VL	TN	-0.11	-0.000058	± 2.5	PASS
		VN	TN	1.79	0.000951	± 2.5	PASS
		VH	TN	3.57	0.001896	± 2.5	PASS
	HCH	VL	TN	1.94	0.001014	± 2.5	PASS
		VN	TN	-0.98	-0.000512	± 2.5	PASS
		VH	TN	-1.32	-0.000690	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.88	0.001555	± 2.5	PASS
		VN	-20	-1.85	-0.000999	± 2.5	PASS
		VN	-10	-0.57	-0.000308	± 2.5	PASS
		VN	0	4.95	0.002674	± 2.5	PASS
		VN	10	4.81	0.002598	± 2.5	PASS
		VN	20	1	0.000540	± 2.5	PASS
		VN	30	1.79	0.000967	± 2.5	PASS
		VN	40	4.24	0.002290	± 2.5	PASS
	MCH	VN	50	0.29	0.000157	± 2.5	PASS
		VN	-30	4.04	0.002146	± 2.5	PASS
		VN	-20	0.8	0.000425	± 2.5	PASS
		VN	-10	-0.88	-0.000467	± 2.5	PASS
		VN	0	4.01	0.002130	± 2.5	PASS

	HCH	VN	10	0.13	0.000069	± 2.5	PASS	
		VN	20	0.82	0.000436	± 2.5	PASS	
		VN	30	3.21	0.001705	± 2.5	PASS	
		VN	40	-1.75	-0.000930	± 2.5	PASS	
		VN	50	0.03	0.000016	± 2.5	PASS	
		VN	-30	3.97	0.002075	± 2.5	PASS	
		VN	-20	1.35	0.000706	± 2.5	PASS	
		VN	-10	-1.5	-0.000784	± 2.5	PASS	
		VN	0	-0.11	-0.000057	± 2.5	PASS	
		VN	10	2.01	0.001050	± 2.5	PASS	
		VN	20	-0.85	-0.000444	± 2.5	PASS	
		VN	30	0.34	0.000178	± 2.5	PASS	
		VN	40	2.5	0.001307	± 2.5	PASS	
		VN	50	0.94	0.000491	± 2.5	PASS	
16QAM	LCH	VN	-30	4.59	0.002479	± 2.5	PASS	
		VN	-20	3.24	0.001750	± 2.5	PASS	
		VN	-10	2.46	0.001329	± 2.5	PASS	
		VN	0	3.37	0.001820	± 2.5	PASS	
		VN	10	0.5	0.000270	± 2.5	PASS	
		VN	20	3.52	0.001901	± 2.5	PASS	
		VN	30	0.87	0.000470	± 2.5	PASS	
		VN	40	3.07	0.001658	± 2.5	PASS	
		VN	50	1.05	0.000567	± 2.5	PASS	
		MCH	VN	-30	1.49	0.000792	± 2.5	PASS
			VN	-20	1.88	0.000999	± 2.5	PASS
			VN	-10	-0.55	-0.000292	± 2.5	PASS
			VN	0	3.84	0.002040	± 2.5	PASS
			VN	10	2.57	0.001365	± 2.5	PASS
	VN		20	3.42	0.001817	± 2.5	PASS	
	VN		30	1.47	0.000781	± 2.5	PASS	
	VN		40	0.02	0.000011	± 2.5	PASS	
	VN		50	3.66	0.001944	± 2.5	PASS	
	HCH		VN	-30	-0.88	-0.000460	± 2.5	PASS
			VN	-20	4.96	0.002592	± 2.5	PASS
			VN	-10	1.74	0.000909	± 2.5	PASS
			VN	0	1.9	0.000993	± 2.5	PASS
			VN	10	-0.94	-0.000491	± 2.5	PASS
		VN	20	-0.13	-0.000068	± 2.5	PASS	
		VN	30	2.5	0.001307	± 2.5	PASS	
		VN	40	3.68	0.001923	± 2.5	PASS	
		VN	50	-0.88	-0.000460	± 2.5	PASS	

Channel Bandwidth: 15.0 MHz

Channel Bandwidth: 15.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.83	0.000448	± 2.5	PASS
		VN	TN	1.73	0.000934	± 2.5	PASS
		VH	TN	2.05	0.001107	± 2.5	PASS
			VL	TN	0.42	0.000223	± 2.5

	MCH	VN	TN	4.62	0.002454	± 2.5	PASS	
		VH	TN	1.74	0.000924	± 2.5	PASS	
	HCH	VL	TN	0.3	0.000157	± 2.5	PASS	
		VN	TN	-0.59	-0.000308	± 2.5	PASS	
		VH	TN	0.69	0.000361	± 2.5	PASS	
	16QAM	LCH	VL	TN	3.31	0.001787	± 2.5	PASS
			VN	TN	0.6	0.000324	± 2.5	PASS
			VH	TN	0.96	0.000518	± 2.5	PASS
		MCH	VL	TN	-0.3	-0.000159	± 2.5	PASS
VN			TN	-1.1	-0.000584	± 2.5	PASS	
VH			TN	0.93	0.000494	± 2.5	PASS	
HCH		VL	TN	4.43	0.002316	± 2.5	PASS	
		VN	TN	1.33	0.000695	± 2.5	PASS	
		VH	TN	0.9	0.000471	± 2.5	PASS	
Temperature								
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	3.86	0.002084	± 2.5	PASS	
		VN	-20	-0.97	-0.000524	± 2.5	PASS	
		VN	-10	-1.13	-0.000610	± 2.5	PASS	
		VN	0	-1.9	-0.001026	± 2.5	PASS	
		VN	10	3.77	0.002035	± 2.5	PASS	
		VN	20	3.34	0.001803	± 2.5	PASS	
		VN	30	4.18	0.002256	± 2.5	PASS	
		VN	40	2.41	0.001301	± 2.5	PASS	
		VN	50	1.54	0.000831	± 2.5	PASS	
	MCH	VN	-30	-1.43	-0.000760	± 2.5	PASS	
		VN	-20	2.27	0.001206	± 2.5	PASS	
		VN	-10	4.2	0.002231	± 2.5	PASS	
		VN	0	4.14	0.002199	± 2.5	PASS	
		VN	10	1.38	0.000733	± 2.5	PASS	
		VN	20	-1.03	-0.000547	± 2.5	PASS	
		VN	30	0.84	0.000446	± 2.5	PASS	
		VN	40	-1.7	-0.000903	± 2.5	PASS	
		VN	50	1.61	0.000855	± 2.5	PASS	
	HCH	VN	-30	3.51	0.001835	± 2.5	PASS	
		VN	-20	4.2	0.002196	± 2.5	PASS	
		VN	-10	1.24	0.000648	± 2.5	PASS	
		VN	0	-0.05	-0.000026	± 2.5	PASS	
		VN	10	4.93	0.002578	± 2.5	PASS	
		VN	20	-0.48	-0.000251	± 2.5	PASS	
		VN	30	-0.46	-0.000241	± 2.5	PASS	
		VN	40	3.39	0.001773	± 2.5	PASS	
		VN	50	4.81	0.002515	± 2.5	PASS	
16QAM	LCH	VN	-30	2.27	0.001225	± 2.5	PASS	
		VN	-20	-0.47	-0.000254	± 2.5	PASS	
		VN	-10	1.71	0.000923	± 2.5	PASS	
		VN	0	2.64	0.001425	± 2.5	PASS	
		VN	10	2.97	0.001603	± 2.5	PASS	
		VN	20	-0.44	-0.000238	± 2.5	PASS	
		VN	30	0.11	0.000059	± 2.5	PASS	

		VN	40	4.34	0.002343	± 2.5	PASS
		VN	50	-1.3	-0.000702	± 2.5	PASS
	MCH	VN	-30	-0.7	-0.000372	± 2.5	PASS
		VN	-20	1.31	0.000696	± 2.5	PASS
		VN	-10	3.96	0.002104	± 2.5	PASS
		VN	0	-1.59	-0.000845	± 2.5	PASS
		VN	10	1.26	0.000669	± 2.5	PASS
		VN	20	3.01	0.001599	± 2.5	PASS
		VN	30	-0.63	-0.000335	± 2.5	PASS
		VN	40	2.79	0.001482	± 2.5	PASS
		VN	50	1.46	0.000776	± 2.5	PASS
		HCH	VN	-30	-1.6	-0.000837	± 2.5
	VN		-20	4.6	0.002405	± 2.5	PASS
	VN		-10	2.4	0.001255	± 2.5	PASS
	VN		0	4.27	0.002233	± 2.5	PASS
	VN		10	2.94	0.001537	± 2.5	PASS
	VN		20	-1.5	-0.000784	± 2.5	PASS
	VN		30	1.88	0.000983	± 2.5	PASS
	VN		40	3.22	0.001684	± 2.5	PASS
	VN		50	3.35	0.001752	± 2.5	PASS

Channel Bandwidth: 20.0 MHz

Channel Bandwidth:20.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.69	0.000911	± 2.5	PASS
		VN	TN	4.63	0.002496	± 2.5	PASS
		VH	TN	4.91	0.002647	± 2.5	PASS
	MCH	VL	TN	3.33	0.001769	± 2.5	PASS
		VN	TN	4.16	0.002210	± 2.5	PASS
		VH	TN	3.41	0.001811	± 2.5	PASS
	HCH	VL	TN	4.48	0.002346	± 2.5	PASS
		VN	TN	1.67	0.000874	± 2.5	PASS
		VH	TN	-0.36	-0.000188	± 2.5	PASS
16QAM	LCH	VL	TN	-0.83	-0.000447	± 2.5	PASS
		VN	TN	-0.2	-0.000108	± 2.5	PASS
		VH	TN	0.96	0.000518	± 2.5	PASS
	MCH	VL	TN	0.33	0.000175	± 2.5	PASS
		VN	TN	4.51	0.002396	± 2.5	PASS
		VH	TN	2.92	0.001551	± 2.5	PASS
	HCH	VL	TN	3.73	0.001953	± 2.5	PASS
		VN	TN	0.88	0.000461	± 2.5	PASS
		VH	TN	0.92	0.000482	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.07	-0.000577	± 2.5	PASS
		VN	-20	2.47	0.001332	± 2.5	PASS
		VN	-10	2.73	0.001472	± 2.5	PASS
		VN	0	-1.85	-0.000997	± 2.5	PASS

		VN	10	-0.08	-0.000043	± 2.5	PASS
		VN	20	1.93	0.001040	± 2.5	PASS
		VN	30	-0.05	-0.000027	± 2.5	PASS
		VN	40	-0.62	-0.000334	± 2.5	PASS
		VN	50	3.75	0.002022	± 2.5	PASS
	MCH	VN	-30	2.68	0.001424	± 2.5	PASS
		VN	-20	4.75	0.002523	± 2.5	PASS
		VN	-10	3.99	0.002120	± 2.5	PASS
		VN	0	2.77	0.001471	± 2.5	PASS
		VN	10	4.78	0.002539	± 2.5	PASS
		VN	20	-1.25	-0.000664	± 2.5	PASS
		VN	30	4.12	0.002189	± 2.5	PASS
		VN	40	-0.7	-0.000372	± 2.5	PASS
		VN	50	3.84	0.002040	± 2.5	PASS
		HCH	VN	-30	2.78	0.001455	± 2.5
	VN		-20	4.76	0.002492	± 2.5	PASS
	VN		-10	2.59	0.001356	± 2.5	PASS
	VN		0	-0.47	-0.000246	± 2.5	PASS
	VN		10	-0.67	-0.000351	± 2.5	PASS
	VN		20	3.82	0.002000	± 2.5	PASS
VN	30		4.53	0.002372	± 2.5	PASS	
VN	40		-0.84	-0.000440	± 2.5	PASS	
VN	50		1.49	0.000780	± 2.5	PASS	
16QAM	LCH	VN	-30	1.14	0.000615	± 2.5	PASS
		VN	-20	0.08	0.000043	± 2.5	PASS
		VN	-10	-0.57	-0.000307	± 2.5	PASS
		VN	0	1.15	0.000620	± 2.5	PASS
		VN	10	-0.51	-0.000275	± 2.5	PASS
		VN	20	1.95	0.001051	± 2.5	PASS
		VN	30	0.98	0.000528	± 2.5	PASS
		VN	40	-1.21	-0.000652	± 2.5	PASS
		VN	50	-0.07	-0.000038	± 2.5	PASS
	MCH	VN	-30	1.77	0.000940	± 2.5	PASS
		VN	-20	-0.29	-0.000154	± 2.5	PASS
		VN	-10	-1.86	-0.000988	± 2.5	PASS
		VN	0	3.84	0.002040	± 2.5	PASS
		VN	10	0.54	0.000287	± 2.5	PASS
		VN	20	2.35	0.001248	± 2.5	PASS
		VN	30	1.01	0.000537	± 2.5	PASS
		VN	40	0.42	0.000223	± 2.5	PASS
		VN	50	-1.91	-0.001015	± 2.5	PASS
	HCH	VN	-30	2.64	0.001382	± 2.5	PASS
		VN	-20	3.03	0.001586	± 2.5	PASS
		VN	-10	2.95	0.001545	± 2.5	PASS
		VN	0	-0.56	-0.000293	± 2.5	PASS
		VN	10	1.33	0.000696	± 2.5	PASS
		VN	20	2.42	0.001267	± 2.5	PASS
		VN	30	-1.04	-0.000545	± 2.5	PASS
		VN	40	1.13	0.000592	± 2.5	PASS
		VN	50	-1.63	-0.000853	± 2.5	PASS

Band 12

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.98	0.001604	± 2.5	PASS
		VN	TN	4.06	0.002186	± 2.5	PASS
		VH	TN	4.9	0.002638	± 2.5	PASS
	MCH	VL	TN	3.42	0.001817	± 2.5	PASS
		VN	TN	-1.15	-0.000611	± 2.5	PASS
		VH	TN	0.6	0.000319	± 2.5	PASS
	HCH	VL	TN	-0.77	-0.000404	± 2.5	PASS
		VN	TN	1.58	0.000828	± 2.5	PASS
		VH	TN	-1.32	-0.000692	± 2.5	PASS
16QAM	LCH	VL	TN	1.46	0.000786	± 2.5	PASS
		VN	TN	2.78	0.001497	± 2.5	PASS
		VH	TN	4.28	0.002304	± 2.5	PASS
	MCH	VL	TN	2.47	0.001312	± 2.5	PASS
		VN	TN	-0.34	-0.000181	± 2.5	PASS
		VH	TN	-1.39	-0.000738	± 2.5	PASS
	HCH	VL	TN	-0.05	-0.000026	± 2.5	PASS
		VN	TN	3.11	0.001630	± 2.5	PASS
		VH	TN	1.47	0.000771	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.86	-0.001001	± 2.5	PASS
		VN	-20	-1.17	-0.000630	± 2.5	PASS
		VN	-10	4.01	0.002159	± 2.5	PASS
		VN	0	0.7	0.000377	± 2.5	PASS
		VN	10	2.52	0.001357	± 2.5	PASS
		VN	20	0.57	0.000307	± 2.5	PASS
		VN	30	3.52	0.001895	± 2.5	PASS
		VN	40	1.97	0.001061	± 2.5	PASS
		VN	50	-1.07	-0.000576	± 2.5	PASS
	MCH	VN	-30	1.09	0.000579	± 2.5	PASS
		VN	-20	-0.46	-0.000244	± 2.5	PASS
		VN	-10	4.58	0.002433	± 2.5	PASS
		VN	0	2.86	0.001519	± 2.5	PASS
		VN	10	-0.19	-0.000101	± 2.5	PASS
		VN	20	0.49	0.000260	± 2.5	PASS
		VN	30	-0.04	-0.000021	± 2.5	PASS
		VN	40	-0.75	-0.000398	± 2.5	PASS
		VN	50	3.51	0.001865	± 2.5	PASS
	HCH	VN	-30	3.79	0.001987	± 2.5	PASS
		VN	-20	1.69	0.000886	± 2.5	PASS
		VN	-10	2.89	0.001515	± 2.5	PASS
		VN	0	4.36	0.002286	± 2.5	PASS

16QAM	LCH	VN	10	1.92	0.001007	± 2.5	PASS	
		VN	20	-0.51	-0.000267	± 2.5	PASS	
		VN	30	2.14	0.001122	± 2.5	PASS	
		VN	40	2.48	0.001300	± 2.5	PASS	
		VN	50	-0.55	-0.000288	± 2.5	PASS	
	MCH	VN	-30	3.38	0.001820	± 2.5	PASS	
		VN	-20	4.34	0.002336	± 2.5	PASS	
		VN	-10	4.84	0.002606	± 2.5	PASS	
		VN	0	0.44	0.000237	± 2.5	PASS	
		VN	10	2.04	0.001098	± 2.5	PASS	
		VN	20	2.17	0.001168	± 2.5	PASS	
		VN	30	3.08	0.001658	± 2.5	PASS	
		VN	40	0.03	0.000016	± 2.5	PASS	
		VN	50	4.74	0.002552	± 2.5	PASS	
		HCH	VN	-30	3.33	0.001769	± 2.5	PASS
			VN	-20	0.41	0.000218	± 2.5	PASS
			VN	-10	2.74	0.001456	± 2.5	PASS
			VN	0	4.63	0.002459	± 2.5	PASS
	VN		10	0.08	0.000042	± 2.5	PASS	
	VN		20	4.73	0.002513	± 2.5	PASS	
	VN		30	-1.63	-0.000866	± 2.5	PASS	
	VN		40	1.75	0.000930	± 2.5	PASS	
	VN		50	4.41	0.002343	± 2.5	PASS	
	VN		-30	3.5	0.001835	± 2.5	PASS	
	VN	-20	0.35	0.000183	± 2.5	PASS		
	VN	-10	-1.52	-0.000797	± 2.5	PASS		
	VN	0	-1.8	-0.000944	± 2.5	PASS		
	VN	10	-1.15	-0.000603	± 2.5	PASS		
VN	20	4.49	0.002354	± 2.5	PASS			
VN	30	2.5	0.001311	± 2.5	PASS			
VN	40	-0.2	-0.000105	± 2.5	PASS			
VN	50	2.81	0.001473	± 2.5	PASS			

Channel Bandwidth: 3.0 MHz

Channel Bandwidth: 3.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.88	0.000473	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	2.12	0.001140	± 2.5	PASS
	MCH	VL	TN	2.23	0.001185	± 2.5	PASS
		VN	TN	0.48	0.000255	± 2.5	PASS
		VH	TN	4.26	0.002263	± 2.5	PASS
	HCH	VL	TN	4.9	0.002572	± 2.5	PASS
		VN	TN	-1.46	-0.000766	± 2.5	PASS
		VH	TN	-1.95	-0.001024	± 2.5	PASS
16QAM	LCH	VL	TN	3.76	0.002022	± 2.5	PASS
		VN	TN	-0.62	-0.000333	± 2.5	PASS
		VH	TN	3.59	0.001930	± 2.5	PASS
	VL	TN	4.93	0.002619	± 2.5	PASS	

	MCH	VN	TN	2.55	0.001355	± 2.5	PASS	
		VH	TN	0.36	0.000191	± 2.5	PASS	
	HCH	VL	TN	0.08	0.000042	± 2.5	PASS	
		VN	TN	-0.34	-0.000178	± 2.5	PASS	
		VH	TN	0.12	0.000063	± 2.5	PASS	
Temperature								
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	3.58	0.001925	± 2.5	PASS	
		VN	-20	3	0.001613	± 2.5	PASS	
		VN	-10	4.93	0.002651	± 2.5	PASS	
		VN	0	2.08	0.001118	± 2.5	PASS	
		VN	10	-0.79	-0.000425	± 2.5	PASS	
		VN	20	4.57	0.002457	± 2.5	PASS	
		VN	30	-1.05	-0.000565	± 2.5	PASS	
		VN	40	-0.79	-0.000425	± 2.5	PASS	
	MCH	VN	50	-0.73	-0.000392	± 2.5	PASS	
		VN	-30	-0.13	-0.000069	± 2.5	PASS	
		VN	-20	1.61	0.000856	± 2.5	PASS	
		VN	-10	4.55	0.002420	± 2.5	PASS	
		VN	0	2.97	0.001580	± 2.5	PASS	
		VN	10	1.9	0.001011	± 2.5	PASS	
		VN	20	3.05	0.001622	± 2.5	PASS	
		VN	30	-0.13	-0.000069	± 2.5	PASS	
	HCH	VN	40	1.61	0.000856	± 2.5	PASS	
		VN	50	4.55	0.002420	± 2.5	PASS	
		VN	-30	4.46	0.002341	± 2.5	PASS	
		VN	-20	2.79	0.001465	± 2.5	PASS	
		VN	-10	-1.34	-0.000703	± 2.5	PASS	
		VN	0	3.39	0.001780	± 2.5	PASS	
		VN	10	0.21	0.000110	± 2.5	PASS	
		VN	20	2.38	0.001249	± 2.5	PASS	
	16QAM	LCH	VN	30	3.58	0.001879	± 2.5	PASS
			VN	40	2.84	0.001491	± 2.5	PASS
			VN	50	3.53	0.001853	± 2.5	PASS
			VN	-30	2.32	0.001247	± 2.5	PASS
VN			-20	-1.83	-0.000984	± 2.5	PASS	
VN			-10	1.85	0.000995	± 2.5	PASS	
VN			0	4.5	0.002419	± 2.5	PASS	
VN			10	-1.17	-0.000629	± 2.5	PASS	
MCH		VN	20	-0.73	-0.000392	± 2.5	PASS	
		VN	30	-0.42	-0.000226	± 2.5	PASS	
		VN	40	4.95	0.002661	± 2.5	PASS	
		VN	50	0.88	0.000473	± 2.5	PASS	
		VN	-30	1.25	0.000664	± 2.5	PASS	
		VN	-20	2.91	0.001546	± 2.5	PASS	
		VN	-10	4.43	0.002353	± 2.5	PASS	
		VN	0	4.38	0.002327	± 2.5	PASS	
		VN	10	2.13	0.001131	± 2.5	PASS	
		VN	20	1.38	0.000733	± 2.5	PASS	
		VN	30	0.14	0.000074	± 2.5	PASS	

	HCH	VN	40	-1.05	-0.000558	± 2.5	PASS
		VN	50	-0.6	-0.000319	± 2.5	PASS
		VN	-30	-1.96	-0.001029	± 2.5	PASS
		VN	-20	0.37	0.000194	± 2.5	PASS
		VN	-10	-1.15	-0.000604	± 2.5	PASS
		VN	0	-1.85	-0.000971	± 2.5	PASS
		VN	10	4.16	0.002184	± 2.5	PASS
		VN	20	4.81	0.002525	± 2.5	PASS
		VN	30	2.53	0.001328	± 2.5	PASS
		VN	40	3.04	0.001596	± 2.5	PASS
		VN	50	4.5	0.002362	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.99	0.005702	± 2.5	PASS
		VN	TN	2.93	0.004188	± 2.5	PASS
		VH	TN	1.16	0.001658	± 2.5	PASS
	MCH	VL	TN	3.32	0.004693	± 2.5	PASS
		VN	TN	4.23	0.005979	± 2.5	PASS
		VH	TN	-1.54	-0.002177	± 2.5	PASS
	HCH	VL	TN	0.84	0.001174	± 2.5	PASS
		VN	TN	2.3	0.003215	± 2.5	PASS
		VH	TN	1.76	0.002461	± 2.5	PASS
16QAM	LCH	VL	TN	1.1	0.001572	± 2.5	PASS
		VN	TN	0.64	0.000915	± 2.5	PASS
		VH	TN	-1.76	-0.002515	± 2.5	PASS
	MCH	VL	TN	-1.71	-0.002417	± 2.5	PASS
		VN	TN	1.78	0.002516	± 2.5	PASS
		VH	TN	-1.1	-0.001555	± 2.5	PASS
	HCH	VL	TN	0	0.000000	± 2.5	PASS
		VN	TN	-0.84	-0.001174	± 2.5	PASS
		VH	TN	-1.31	-0.001831	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.45	-0.002072	± 2.5	PASS
		VN	-20	-1.48	-0.002115	± 2.5	PASS
		VN	-10	0.49	0.000700	± 2.5	PASS
		VN	0	0.3	0.000429	± 2.5	PASS
		VN	10	2.04	0.002916	± 2.5	PASS
		VN	20	4.15	0.005931	± 2.5	PASS
		VN	30	1.48	0.002115	± 2.5	PASS
		VN	40	-0.52	-0.000743	± 2.5	PASS
		VN	50	1.09	0.001558	± 2.5	PASS
	MCH	VN	-30	0.64	0.000905	± 2.5	PASS
		VN	-20	1.84	0.002601	± 2.5	PASS
		VN	-10	-0.19	-0.000269	± 2.5	PASS
		VN	0	2.44	0.003449	± 2.5	PASS

	HCH	VN	10	-1.92	-0.002714	± 2.5	PASS	
		VN	20	0.44	0.000622	± 2.5	PASS	
		VN	30	-0.46	-0.000650	± 2.5	PASS	
		VN	40	2.29	0.003237	± 2.5	PASS	
		VN	50	1.22	0.001724	± 2.5	PASS	
		VN	-30	0.31	0.000433	± 2.5	PASS	
		VN	-20	0.9	0.001258	± 2.5	PASS	
		VN	-10	-1.63	-0.002279	± 2.5	PASS	
		VN	0	3.62	0.005061	± 2.5	PASS	
		VN	10	2.39	0.003341	± 2.5	PASS	
		VN	20	0.79	0.001104	± 2.5	PASS	
		VN	30	1.21	0.001692	± 2.5	PASS	
		VN	40	3.88	0.005424	± 2.5	PASS	
		VN	50	-1.31	-0.001831	± 2.5	PASS	
16QAM	LCH	VN	-30	2.67	0.003816	± 2.5	PASS	
		VN	-20	0.95	0.001358	± 2.5	PASS	
		VN	-10	0.71	0.001015	± 2.5	PASS	
		VN	0	-0.05	-0.000071	± 2.5	PASS	
		VN	10	-1.64	-0.002344	± 2.5	PASS	
		VN	20	0.26	0.000372	± 2.5	PASS	
		VN	30	0	0.000000	± 2.5	PASS	
		VN	40	-0.99	-0.001415	± 2.5	PASS	
		VN	50	4.08	0.005831	± 2.5	PASS	
		MCH	VN	-30	-0.01	-0.000014	± 2.5	PASS
			VN	-20	-1.87	-0.002643	± 2.5	PASS
			VN	-10	2.75	0.003887	± 2.5	PASS
			VN	0	3.25	0.004594	± 2.5	PASS
			VN	10	-0.07	-0.000099	± 2.5	PASS
	VN		20	3.11	0.004396	± 2.5	PASS	
	VN		30	-1.04	-0.001470	± 2.5	PASS	
	VN		40	2.55	0.003604	± 2.5	PASS	
	VN		50	1.9	0.002686	± 2.5	PASS	
	HCH		VN	-30	3.54	0.004949	± 2.5	PASS
			VN	-20	0.47	0.000657	± 2.5	PASS
			VN	-10	1.99	0.002782	± 2.5	PASS
			VN	0	2.25	0.003146	± 2.5	PASS
			VN	10	1.06	0.001482	± 2.5	PASS
		VN	20	-1.8	-0.002516	± 2.5	PASS	
		VN	30	-0.52	-0.000727	± 2.5	PASS	
		VN	40	-0.68	-0.000951	± 2.5	PASS	
		VN	50	0.19	0.000266	± 2.5	PASS	

Channel Bandwidth: 10MHz

Channel Bandwidth: 10MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.37	-0.000528	± 2.5	PASS
		VN	TN	3.26	0.004654	± 2.5	PASS
		VH	TN	4.07	0.005810	± 2.5	PASS
			VL	TN	3.5	0.004947	± 2.5

	MCH	VN	TN	0.12	0.000170	± 2.5	PASS	
		VH	TN	4.02	0.005682	± 2.5	PASS	
	HCH	VL	TN	0.71	0.000994	± 2.5	PASS	
		VN	TN	1.67	0.002337	± 2.5	PASS	
		VH	TN	4.24	0.005934	± 2.5	PASS	
	16QAM	LCH	VL	TN	0.89	0.001271	± 2.5	PASS
			VN	TN	4.71	0.006724	± 2.5	PASS
			VH	TN	1.71	0.002441	± 2.5	PASS
		MCH	VL	TN	-0.55	-0.000777	± 2.5	PASS
VN			TN	1.76	0.002488	± 2.5	PASS	
VH			TN	1.53	0.002163	± 2.5	PASS	
HCH		VL	TN	4.63	0.006480	± 2.5	PASS	
		VN	TN	3.22	0.004507	± 2.5	PASS	
		VH	TN	0.43	0.000602	± 2.5	PASS	
Temperature								
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	0.9	0.001285	± 2.5	PASS	
		VN	-20	-0.97	-0.001385	± 2.5	PASS	
		VN	-10	3.98	0.005682	± 2.5	PASS	
		VN	0	2.6	0.003712	± 2.5	PASS	
		VN	10	-0.48	-0.000685	± 2.5	PASS	
		VN	20	-1.96	-0.002798	± 2.5	PASS	
		VN	30	0.15	0.000214	± 2.5	PASS	
		VN	40	2.28	0.003255	± 2.5	PASS	
		VN	50	3.68	0.005253	± 2.5	PASS	
	MCH	VN	-30	4.22	0.005965	± 2.5	PASS	
		VN	-20	3.77	0.005329	± 2.5	PASS	
		VN	-10	1.53	0.002163	± 2.5	PASS	
		VN	0	3.29	0.004650	± 2.5	PASS	
		VN	10	2.73	0.003859	± 2.5	PASS	
		VN	20	1.91	0.002700	± 2.5	PASS	
		VN	30	4.69	0.006629	± 2.5	PASS	
		VN	40	-1.07	-0.001512	± 2.5	PASS	
		VN	50	4.5	0.006360	± 2.5	PASS	
	HCH	VN	-30	4.8	0.006718	± 2.5	PASS	
		VN	-20	0.7	0.000980	± 2.5	PASS	
		VN	-10	-1.92	-0.002687	± 2.5	PASS	
		VN	0	3.35	0.004689	± 2.5	PASS	
		VN	10	1.16	0.001624	± 2.5	PASS	
		VN	20	0.2	0.000280	± 2.5	PASS	
		VN	30	-1.04	-0.001456	± 2.5	PASS	
		VN	40	-0.2	-0.000280	± 2.5	PASS	
		VN	50	4.31	0.006032	± 2.5	PASS	
16QAM	LCH	VN	-30	3.86	0.005510	± 2.5	PASS	
		VN	-20	-0.48	-0.000685	± 2.5	PASS	
		VN	-10	4.57	0.006524	± 2.5	PASS	
		VN	0	2.14	0.003055	± 2.5	PASS	
		VN	10	0.83	0.001185	± 2.5	PASS	
		VN	20	3.17	0.004525	± 2.5	PASS	
		VN	30	1.3	0.001856	± 2.5	PASS	

		VN	40	3.79	0.005410	± 2.5	PASS
		VN	50	2.59	0.003697	± 2.5	PASS
	MCH	VN	-30	0.86	0.001216	± 2.5	PASS
		VN	-20	0.55	0.000777	± 2.5	PASS
		VN	-10	0	0.000000	± 2.5	PASS
		VN	0	-0.36	-0.000509	± 2.5	PASS
		VN	10	0.64	0.000905	± 2.5	PASS
		VN	20	4.68	0.006615	± 2.5	PASS
		VN	30	0.78	0.001102	± 2.5	PASS
		VN	40	-0.33	-0.000466	± 2.5	PASS
		VN	50	0.67	0.000947	± 2.5	PASS
		HCH	VN	-30	3.11	0.004353	± 2.5
	VN		-20	1.12	0.001568	± 2.5	PASS
	VN		-10	-0.95	-0.001330	± 2.5	PASS
	VN		0	4.47	0.006256	± 2.5	PASS
	VN		10	2.59	0.003625	± 2.5	PASS
	VN		20	-1.76	-0.002463	± 2.5	PASS
	VN		30	-0.97	-0.001358	± 2.5	PASS
	VN		40	0.81	0.001134	± 2.5	PASS
VN	50		3.86	0.005510	± 2.5	PASS	

LTE BAND 17

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.25	0.003207	± 2.5	PASS
		VN	TN	0.68	0.000969	± 2.5	PASS
		VH	TN	1.77	0.002523	± 2.5	PASS
	MCH	VL	TN	-0.96	-0.001357	± 2.5	PASS
		VN	TN	-1.21	-0.001710	± 2.5	PASS
		VH	TN	0.76	0.001074	± 2.5	PASS
	HCH	VL	TN	1.47	0.002060	± 2.5	PASS
		VN	TN	1.84	0.002579	± 2.5	PASS
		VH	TN	-1.16	-0.001626	± 2.5	PASS
16QAM	LCH	VL	TN	0.35	0.000499	± 2.5	PASS
		VN	TN	-1.32	-0.001882	± 2.5	PASS
		VH	TN	0.54	0.000770	± 2.5	PASS
	MCH	VL	TN	4.81	0.006799	± 2.5	PASS
		VN	TN	-0.63	-0.000890	± 2.5	PASS
		VH	TN	3.87	0.005470	± 2.5	PASS
	HCH	VL	TN	3.52	0.004933	± 2.5	PASS
		VN	TN	3.75	0.005256	± 2.5	PASS
		VH	TN	3.14	0.004401	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.25	-0.000356	± 2.5	PASS
		VN	-20	4.45	0.006344	± 2.5	PASS

		VN	-10	3.35	0.004775	± 2.5	PASS	
		VN	0	4.14	0.005902	± 2.5	PASS	
		VN	10	0.51	0.000727	± 2.5	PASS	
		VN	20	4.95	0.007056	± 2.5	PASS	
		VN	30	4.71	0.006714	± 2.5	PASS	
		VN	40	-0.4	-0.000570	± 2.5	PASS	
		VN	50	-1.77	-0.002523	± 2.5	PASS	
	MCH	VN	-30	1.79	0.002530	± 2.5	PASS	
		VN	-20	-1.26	-0.001781	± 2.5	PASS	
		VN	-10	-0.66	-0.000933	± 2.5	PASS	
		VN	0	-0.45	-0.000636	± 2.5	PASS	
		VN	10	1.9	0.002686	± 2.5	PASS	
		VN	20	0.52	0.000735	± 2.5	PASS	
		VN	30	3.97	0.005611	± 2.5	PASS	
	HCH	VN	40	-1.95	-0.002756	± 2.5	PASS	
		VN	50	-1.57	-0.002219	± 2.5	PASS	
		VN	-30	-1.2	-0.001682	± 2.5	PASS	
		VN	-20	3.09	0.004331	± 2.5	PASS	
		VN	-10	4.47	0.006265	± 2.5	PASS	
		VN	0	-1.53	-0.002144	± 2.5	PASS	
		VN	10	3.54	0.004961	± 2.5	PASS	
	16QAM	LCH	VN	20	-1.56	-0.002186	± 2.5	PASS
			VN	30	0.43	0.000603	± 2.5	PASS
			VN	40	3.15	0.004415	± 2.5	PASS
			VN	50	0.38	0.000533	± 2.5	PASS
			VN	-30	-1.51	-0.002153	± 2.5	PASS
			VN	-20	2.92	0.004163	± 2.5	PASS
			VN	-10	-1.51	-0.002153	± 2.5	PASS
		MCH	VN	0	3.28	0.004676	± 2.5	PASS
			VN	10	0.77	0.001098	± 2.5	PASS
			VN	20	-0.91	-0.001297	± 2.5	PASS
			VN	30	0.39	0.000556	± 2.5	PASS
			VN	40	1.72	0.002452	± 2.5	PASS
VN			50	4.79	0.006828	± 2.5	PASS	
VN			-30	-1.51	-0.002134	± 2.5	PASS	
HCH		VN	-20	-0.45	-0.000636	± 2.5	PASS	
		VN	-10	-0.62	-0.000876	± 2.5	PASS	
		VN	0	-1.42	-0.002007	± 2.5	PASS	
		VN	10	1.34	0.001894	± 2.5	PASS	
		VN	20	-0.08	-0.000113	± 2.5	PASS	
		VN	30	1.12	0.001583	± 2.5	PASS	
		VN	40	4.94	0.006982	± 2.5	PASS	
			VN	50	3.37	0.004763	± 2.5	PASS
			VN	-30	4.37	0.006125	± 2.5	PASS
			VN	-20	-0.49	-0.000687	± 2.5	PASS
			VN	-10	1.09	0.001528	± 2.5	PASS
			VN	0	-0.18	-0.000252	± 2.5	PASS
			VN	10	-1.75	-0.002453	± 2.5	PASS
			VN	20	2.1	0.002943	± 2.5	PASS
			VN	30	0.7	0.000981	± 2.5	PASS
			VN	40	2.36	0.003308	± 2.5	PASS

		VN	50	-0.68	-0.000953	± 2.5	PASS
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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.4	0.000568	± 2.5	PASS
		VN	TN	1.48	0.002102	± 2.5	PASS
		VH	TN	-0.75	-0.001065	± 2.5	PASS
	MCH	VL	TN	-1.08	-0.001527	± 2.5	PASS
		VN	TN	-0.89	-0.001258	± 2.5	PASS
		VH	TN	1.14	0.001611	± 2.5	PASS
	HCH	VL	TN	-1.69	-0.002377	± 2.5	PASS
		VN	TN	2.21	0.003108	± 2.5	PASS
		VH	TN	1.72	0.002419	± 2.5	PASS
16QAM	LCH	VL	TN	3.75	0.005327	± 2.5	PASS
		VN	TN	-1.24	-0.001761	± 2.5	PASS
		VH	TN	-0.97	-0.001378	± 2.5	PASS
	MCH	VL	TN	0.05	0.000071	± 2.5	PASS
		VN	TN	-0.41	-0.000580	± 2.5	PASS
		VH	TN	-1.79	-0.002530	± 2.5	PASS
	HCH	VL	TN	3.67	0.005162	± 2.5	PASS
		VN	TN	-0.15	-0.000211	± 2.5	PASS
		VH	TN	3.07	0.004318	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.82	0.004006	± 2.5	PASS
		VN	-20	-1.24	-0.001761	± 2.5	PASS
		VN	-10	4.44	0.006307	± 2.5	PASS
		VN	0	2.95	0.004190	± 2.5	PASS
		VN	10	3.27	0.004645	± 2.5	PASS
		VN	20	3.08	0.004375	± 2.5	PASS
		VN	30	4.44	0.006307	± 2.5	PASS
		VN	40	-0.86	-0.001222	± 2.5	PASS
		VN	50	0.97	0.001378	± 2.5	PASS
	MCH	VN	-30	2.47	0.003491	± 2.5	PASS
		VN	-20	-1.9	-0.002686	± 2.5	PASS
		VN	-10	0.77	0.001088	± 2.5	PASS
		VN	0	-1.85	-0.002615	± 2.5	PASS
		VN	10	2.57	0.003633	± 2.5	PASS
		VN	20	2.53	0.003576	± 2.5	PASS
		VN	30	0.48	0.000678	± 2.5	PASS
		VN	40	-1.1	-0.001555	± 2.5	PASS
		VN	50	-1.82	-0.002572	± 2.5	PASS
	HCH	VN	-30	-1.98	-0.002785	± 2.5	PASS
		VN	-20	0.69	0.000970	± 2.5	PASS
		VN	-10	3.18	0.004473	± 2.5	PASS
		VN	0	-0.37	-0.000520	± 2.5	PASS
		VN	10	4.01	0.005640	± 2.5	PASS

16QAM	LCH	VN	20	4.73	0.006653	± 2.5	PASS	
		VN	30	2.13	0.002996	± 2.5	PASS	
		VN	40	0.64	0.000900	± 2.5	PASS	
		VN	50	-0.54	-0.000759	± 2.5	PASS	
	MCH	VN	-30	4.01	0.005696	± 2.5	PASS	
		VN	-20	-1.89	-0.002685	± 2.5	PASS	
		VN	-10	-0.74	-0.001051	± 2.5	PASS	
		VN	0	4.72	0.006705	± 2.5	PASS	
		VN	10	1.78	0.002528	± 2.5	PASS	
		VN	20	4.39	0.006236	± 2.5	PASS	
		VN	30	2.22	0.003153	± 2.5	PASS	
		VN	40	-0.17	-0.000241	± 2.5	PASS	
		VN	50	2.07	0.002940	± 2.5	PASS	
		HCH	VN	-30	4.64	0.006558	± 2.5	PASS
			VN	-20	-1.47	-0.002078	± 2.5	PASS
			VN	-10	-0.5	-0.000707	± 2.5	PASS
	VN		0	3.25	0.004594	± 2.5	PASS	
	VN		10	1.64	0.002318	± 2.5	PASS	
	VN		20	2.84	0.004014	± 2.5	PASS	
	VN		30	1.15	0.001625	± 2.5	PASS	
	VN		40	1.4	0.001979	± 2.5	PASS	
	VN		50	-1.16	-0.001640	± 2.5	PASS	
	VN		-30	0.54	0.000759	± 2.5	PASS	
	VN		-20	-0.39	-0.000549	± 2.5	PASS	
	VN		-10	3.82	0.005373	± 2.5	PASS	
	VN		0	2.31	0.003249	± 2.5	PASS	
	VN		10	0.02	0.000028	± 2.5	PASS	
	VN	20	1.72	0.002419	± 2.5	PASS		
	VN	30	0.49	0.000689	± 2.5	PASS		
	VN	40	2.11	0.002968	± 2.5	PASS		
VN	50	0.48	0.000675	± 2.5	PASS			

Band 41
Channel Bandwidth: 5 MHz

Channel Bandwidth: 5.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.99	0.005702	± 2.5	PASS
		VN	TN	2.93	0.004188	± 2.5	PASS
		VH	TN	1.16	0.001658	± 2.5	PASS
	MCH	VL	TN	3.32	0.004693	± 2.5	PASS
		VN	TN	4.23	0.005979	± 2.5	PASS
		VH	TN	-1.54	-0.002177	± 2.5	PASS
	HCH	VL	TN	0.84	0.001174	± 2.5	PASS
		VN	TN	2.3	0.003215	± 2.5	PASS
		VH	TN	1.76	0.002461	± 2.5	PASS
16QAM	LCH	VL	TN	1.1	0.001572	± 2.5	PASS
		VN	TN	0.64	0.000915	± 2.5	PASS
		VH	TN	-1.76	-0.002515	± 2.5	PASS
	VL	TN	-1.71	-0.002417	± 2.5	PASS	

	MCH	VN	TN	1.78	0.002516	± 2.5	PASS
		VH	TN	-1.1	-0.001555	± 2.5	PASS
	HCH	VL	TN	0	0.000000	± 2.5	PASS
		VN	TN	-0.84	-0.001174	± 2.5	PASS
		VH	TN	-1.31	-0.001831	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.45	-0.002072	± 2.5	PASS
		VN	-20	-1.48	-0.002115	± 2.5	PASS
		VN	-10	0.49	0.000700	± 2.5	PASS
		VN	0	0.3	0.000429	± 2.5	PASS
		VN	10	2.04	0.002916	± 2.5	PASS
		VN	20	4.15	0.005931	± 2.5	PASS
		VN	30	1.48	0.002115	± 2.5	PASS
		VN	40	-0.52	-0.000743	± 2.5	PASS
		VN	50	1.09	0.001558	± 2.5	PASS
	MCH	VN	-30	0.64	0.000905	± 2.5	PASS
		VN	-20	1.84	0.002601	± 2.5	PASS
		VN	-10	-0.19	-0.000269	± 2.5	PASS
		VN	0	2.44	0.003449	± 2.5	PASS
		VN	10	-1.92	-0.002714	± 2.5	PASS
		VN	20	0.44	0.000622	± 2.5	PASS
		VN	30	-0.46	-0.000650	± 2.5	PASS
		VN	40	2.29	0.003237	± 2.5	PASS
		VN	50	1.22	0.001724	± 2.5	PASS
	HCH	VN	-30	0.31	0.000433	± 2.5	PASS
		VN	-20	0.9	0.001258	± 2.5	PASS
		VN	-10	-1.63	-0.002279	± 2.5	PASS
		VN	0	3.62	0.005061	± 2.5	PASS
		VN	10	2.39	0.003341	± 2.5	PASS
		VN	20	0.79	0.001104	± 2.5	PASS
		VN	30	1.21	0.001692	± 2.5	PASS
		VN	40	3.88	0.005424	± 2.5	PASS
		VN	50	-1.31	-0.001831	± 2.5	PASS
	16QAM	LCH	VN	-30	2.67	0.003816	± 2.5
VN			-20	0.95	0.001358	± 2.5	PASS
VN			-10	0.71	0.001015	± 2.5	PASS
VN			0	-0.05	-0.000071	± 2.5	PASS
VN			10	-1.64	-0.002344	± 2.5	PASS
VN			20	0.26	0.000372	± 2.5	PASS
VN			30	0	0.000000	± 2.5	PASS
VN			40	-0.99	-0.001415	± 2.5	PASS
VN			50	4.08	0.005831	± 2.5	PASS
MCH		VN	-30	-0.01	-0.000014	± 2.5	PASS
		VN	-20	-1.87	-0.002643	± 2.5	PASS
		VN	-10	2.75	0.003887	± 2.5	PASS
		VN	0	3.25	0.004594	± 2.5	PASS
		VN	10	-0.07	-0.000099	± 2.5	PASS
		VN	20	3.11	0.004396	± 2.5	PASS
		VN	30	-1.04	-0.001470	± 2.5	PASS

		VN	40	2.55	0.003604	± 2.5	PASS
		VN	50	1.9	0.002686	± 2.5	PASS
	HCH	VN	-30	3.54	0.004949	± 2.5	PASS
		VN	-20	0.47	0.000657	± 2.5	PASS
		VN	-10	1.99	0.002782	± 2.5	PASS
		VN	0	2.25	0.003146	± 2.5	PASS
		VN	10	1.06	0.001482	± 2.5	PASS
		VN	20	-1.8	-0.002516	± 2.5	PASS
		VN	30	-0.52	-0.000727	± 2.5	PASS
		VN	40	-0.68	-0.000951	± 2.5	PASS
		VN	50	0.19	0.000266	± 2.5	PASS

Channel Bandwidth: 10MHz

Channel Bandwidth: 10MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.37	-0.000528	± 2.5	PASS
		VN	TN	3.26	0.004654	± 2.5	PASS
		VH	TN	4.07	0.005810	± 2.5	PASS
	MCH	VL	TN	3.5	0.004947	± 2.5	PASS
		VN	TN	0.12	0.000170	± 2.5	PASS
		VH	TN	4.02	0.005682	± 2.5	PASS
	HCH	VL	TN	0.71	0.000994	± 2.5	PASS
		VN	TN	1.67	0.002337	± 2.5	PASS
		VH	TN	4.24	0.005934	± 2.5	PASS
16QAM	LCH	VL	TN	0.89	0.001271	± 2.5	PASS
		VN	TN	4.71	0.006724	± 2.5	PASS
		VH	TN	1.71	0.002441	± 2.5	PASS
	MCH	VL	TN	-0.55	-0.000777	± 2.5	PASS
		VN	TN	1.76	0.002488	± 2.5	PASS
		VH	TN	1.53	0.002163	± 2.5	PASS
	HCH	VL	TN	4.63	0.006480	± 2.5	PASS
		VN	TN	3.22	0.004507	± 2.5	PASS
		VH	TN	0.43	0.000602	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.9	0.001285	± 2.5	PASS
		VN	-20	-0.97	-0.001385	± 2.5	PASS
		VN	-10	3.98	0.005682	± 2.5	PASS
		VN	0	2.6	0.003712	± 2.5	PASS
		VN	10	-0.48	-0.000685	± 2.5	PASS
		VN	20	-1.96	-0.002798	± 2.5	PASS
		VN	30	0.15	0.000214	± 2.5	PASS
		VN	40	2.28	0.003255	± 2.5	PASS
		VN	50	3.68	0.005253	± 2.5	PASS
	MCH	VN	-30	4.22	0.005965	± 2.5	PASS
		VN	-20	3.77	0.005329	± 2.5	PASS
		VN	-10	1.53	0.002163	± 2.5	PASS
		VN	0	3.29	0.004650	± 2.5	PASS

	HCH	VN	10	2.73	0.003859	± 2.5	PASS	
		VN	20	1.91	0.002700	± 2.5	PASS	
		VN	30	4.69	0.006629	± 2.5	PASS	
		VN	40	-1.07	-0.001512	± 2.5	PASS	
		VN	50	4.5	0.006360	± 2.5	PASS	
		VN	-30	4.8	0.006718	± 2.5	PASS	
		VN	-20	0.7	0.000980	± 2.5	PASS	
		VN	-10	-1.92	-0.002687	± 2.5	PASS	
		VN	0	3.35	0.004689	± 2.5	PASS	
		VN	10	1.16	0.001624	± 2.5	PASS	
		VN	20	0.2	0.000280	± 2.5	PASS	
		VN	30	-1.04	-0.001456	± 2.5	PASS	
		VN	40	-0.2	-0.000280	± 2.5	PASS	
		VN	50	4.31	0.006032	± 2.5	PASS	
16QAM	LCH	VN	-30	3.86	0.005510	± 2.5	PASS	
		VN	-20	-0.48	-0.000685	± 2.5	PASS	
		VN	-10	4.57	0.006524	± 2.5	PASS	
		VN	0	2.14	0.003055	± 2.5	PASS	
		VN	10	0.83	0.001185	± 2.5	PASS	
		VN	20	3.17	0.004525	± 2.5	PASS	
		VN	30	1.3	0.001856	± 2.5	PASS	
		VN	40	3.79	0.005410	± 2.5	PASS	
		VN	50	2.59	0.003697	± 2.5	PASS	
		MCH	VN	-30	0.86	0.001216	± 2.5	PASS
			VN	-20	0.55	0.000777	± 2.5	PASS
			VN	-10	0	0.000000	± 2.5	PASS
			VN	0	-0.36	-0.000509	± 2.5	PASS
			VN	10	0.64	0.000905	± 2.5	PASS
	VN		20	4.68	0.006615	± 2.5	PASS	
	VN		30	0.78	0.001102	± 2.5	PASS	
	VN		40	-0.33	-0.000466	± 2.5	PASS	
	VN		50	0.67	0.000947	± 2.5	PASS	
	HCH		VN	-30	3.11	0.004353	± 2.5	PASS
			VN	-20	1.12	0.001568	± 2.5	PASS
			VN	-10	-0.95	-0.001330	± 2.5	PASS
			VN	0	4.47	0.006256	± 2.5	PASS
			VN	10	2.59	0.003625	± 2.5	PASS
		VN	20	-1.76	-0.002463	± 2.5	PASS	
		VN	30	-0.97	-0.001358	± 2.5	PASS	
		VN	40	0.81	0.001134	± 2.5	PASS	
		VN	50	3.86	0.005510	± 2.5	PASS	

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.25	0.003207	± 2.5	PASS
		VN	TN	0.68	0.000969	± 2.5	PASS
		VH	TN	1.77	0.002523	± 2.5	PASS

	MCH	VL	TN	-0.96	-0.001357	± 2.5	PASS
		VN	TN	-1.21	-0.001710	± 2.5	PASS
		VH	TN	0.76	0.001074	± 2.5	PASS
	HCH	VL	TN	1.47	0.002060	± 2.5	PASS
		VN	TN	1.84	0.002579	± 2.5	PASS
		VH	TN	-1.16	-0.001626	± 2.5	PASS
16QAM	LCH	VL	TN	0.35	0.000499	± 2.5	PASS
		VN	TN	-1.32	-0.001882	± 2.5	PASS
		VH	TN	0.54	0.000770	± 2.5	PASS
	MCH	VL	TN	4.81	0.006799	± 2.5	PASS
		VN	TN	-0.63	-0.000890	± 2.5	PASS
		VH	TN	3.87	0.005470	± 2.5	PASS
	HCH	VL	TN	3.52	0.004933	± 2.5	PASS
		VN	TN	3.75	0.005256	± 2.5	PASS
		VH	TN	3.14	0.004401	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.25	-0.000356	± 2.5	PASS
		VN	-20	4.45	0.006344	± 2.5	PASS
		VN	-10	3.35	0.004775	± 2.5	PASS
		VN	0	4.14	0.005902	± 2.5	PASS
		VN	10	0.51	0.000727	± 2.5	PASS
		VN	20	4.95	0.007056	± 2.5	PASS
		VN	30	4.71	0.006714	± 2.5	PASS
		VN	40	-0.4	-0.000570	± 2.5	PASS
	MCH	VN	50	-1.77	-0.002523	± 2.5	PASS
		VN	-30	1.79	0.002530	± 2.5	PASS
		VN	-20	-1.26	-0.001781	± 2.5	PASS
		VN	-10	-0.66	-0.000933	± 2.5	PASS
		VN	0	-0.45	-0.000636	± 2.5	PASS
		VN	10	1.9	0.002686	± 2.5	PASS
		VN	20	0.52	0.000735	± 2.5	PASS
		VN	30	3.97	0.005611	± 2.5	PASS
	HCH	VN	40	-1.95	-0.002756	± 2.5	PASS
		VN	50	-1.57	-0.002219	± 2.5	PASS
		VN	-30	-1.2	-0.001682	± 2.5	PASS
		VN	-20	3.09	0.004331	± 2.5	PASS
		VN	-10	4.47	0.006265	± 2.5	PASS
		VN	0	-1.53	-0.002144	± 2.5	PASS
		VN	10	3.54	0.004961	± 2.5	PASS
		VN	20	-1.56	-0.002186	± 2.5	PASS
16QAM	LCH	VN	30	0.43	0.000603	± 2.5	PASS
		VN	40	3.15	0.004415	± 2.5	PASS
		VN	50	0.38	0.000533	± 2.5	PASS
		VN	-30	-1.51	-0.002153	± 2.5	PASS
		VN	-20	2.92	0.004163	± 2.5	PASS
		VN	-10	-1.51	-0.002153	± 2.5	PASS
		VN	0	3.28	0.004676	± 2.5	PASS
		VN	10	0.77	0.001098	± 2.5	PASS
		VN	20	-0.91	-0.001297	± 2.5	PASS

	MCH	VN	30	0.39	0.000556	± 2.5	PASS
		VN	40	1.72	0.002452	± 2.5	PASS
		VN	50	4.79	0.006828	± 2.5	PASS
		VN	-30	-1.51	-0.002134	± 2.5	PASS
		VN	-20	-0.45	-0.000636	± 2.5	PASS
		VN	-10	-0.62	-0.000876	± 2.5	PASS
		VN	0	-1.42	-0.002007	± 2.5	PASS
		VN	10	1.34	0.001894	± 2.5	PASS
		VN	20	-0.08	-0.000113	± 2.5	PASS
		VN	30	1.12	0.001583	± 2.5	PASS
	HCH	VN	40	4.94	0.006982	± 2.5	PASS
		VN	50	3.37	0.004763	± 2.5	PASS
		VN	-30	4.37	0.006125	± 2.5	PASS
		VN	-20	-0.49	-0.000687	± 2.5	PASS
		VN	-10	1.09	0.001528	± 2.5	PASS
		VN	0	-0.18	-0.000252	± 2.5	PASS
		VN	10	-1.75	-0.002453	± 2.5	PASS
		VN	20	2.1	0.002943	± 2.5	PASS
		VN	30	0.7	0.000981	± 2.5	PASS
		VN	40	2.36	0.003308	± 2.5	PASS
VN	50	-0.68	-0.000953	± 2.5	PASS		

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.4	0.000568	± 2.5	PASS
		VN	TN	1.48	0.002102	± 2.5	PASS
		VH	TN	-0.75	-0.001065	± 2.5	PASS
	MCH	VL	TN	-1.08	-0.001527	± 2.5	PASS
		VN	TN	-0.89	-0.001258	± 2.5	PASS
		VH	TN	1.14	0.001611	± 2.5	PASS
	HCH	VL	TN	-1.69	-0.002377	± 2.5	PASS
		VN	TN	2.21	0.003108	± 2.5	PASS
		VH	TN	1.72	0.002419	± 2.5	PASS
16QAM	LCH	VL	TN	3.75	0.005327	± 2.5	PASS
		VN	TN	-1.24	-0.001761	± 2.5	PASS
		VH	TN	-0.97	-0.001378	± 2.5	PASS
	MCH	VL	TN	0.05	0.000071	± 2.5	PASS
		VN	TN	-0.41	-0.000580	± 2.5	PASS
		VH	TN	-1.79	-0.002530	± 2.5	PASS
	HCH	VL	TN	3.67	0.005162	± 2.5	PASS
		VN	TN	-0.15	-0.000211	± 2.5	PASS
		VH	TN	3.07	0.004318	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.82	0.004006	± 2.5	PASS
		VN	-20	-1.24	-0.001761	± 2.5	PASS
		VN	-10	4.44	0.006307	± 2.5	PASS

		VN	0	2.95	0.004190	± 2.5	PASS
		VN	10	3.27	0.004645	± 2.5	PASS
		VN	20	3.08	0.004375	± 2.5	PASS
		VN	30	4.44	0.006307	± 2.5	PASS
		VN	40	-0.86	-0.001222	± 2.5	PASS
		VN	50	0.97	0.001378	± 2.5	PASS
	MCH	VN	-30	2.47	0.003491	± 2.5	PASS
		VN	-20	-1.9	-0.002686	± 2.5	PASS
		VN	-10	0.77	0.001088	± 2.5	PASS
		VN	0	-1.85	-0.002615	± 2.5	PASS
		VN	10	2.57	0.003633	± 2.5	PASS
		VN	20	2.53	0.003576	± 2.5	PASS
		VN	30	0.48	0.000678	± 2.5	PASS
		VN	40	-1.1	-0.001555	± 2.5	PASS
		VN	50	-1.82	-0.002572	± 2.5	PASS
	HCH	VN	-30	-1.98	-0.002785	± 2.5	PASS
		VN	-20	0.69	0.000970	± 2.5	PASS
		VN	-10	3.18	0.004473	± 2.5	PASS
		VN	0	-0.37	-0.000520	± 2.5	PASS
		VN	10	4.01	0.005640	± 2.5	PASS
VN		20	4.73	0.006653	± 2.5	PASS	
VN		30	2.13	0.002996	± 2.5	PASS	
VN		40	0.64	0.000900	± 2.5	PASS	
VN		50	-0.54	-0.000759	± 2.5	PASS	
16QAM	LCH	VN	-30	4.01	0.005696	± 2.5	PASS
		VN	-20	-1.89	-0.002685	± 2.5	PASS
		VN	-10	-0.74	-0.001051	± 2.5	PASS
		VN	0	4.72	0.006705	± 2.5	PASS
		VN	10	1.78	0.002528	± 2.5	PASS
		VN	20	4.39	0.006236	± 2.5	PASS
		VN	30	2.22	0.003153	± 2.5	PASS
		VN	40	-0.17	-0.000241	± 2.5	PASS
		VN	50	2.07	0.002940	± 2.5	PASS
	MCH	VN	-30	4.64	0.006558	± 2.5	PASS
		VN	-20	-1.47	-0.002078	± 2.5	PASS
		VN	-10	-0.5	-0.000707	± 2.5	PASS
		VN	0	3.25	0.004594	± 2.5	PASS
		VN	10	1.64	0.002318	± 2.5	PASS
		VN	20	2.84	0.004014	± 2.5	PASS
		VN	30	1.15	0.001625	± 2.5	PASS
		VN	40	1.4	0.001979	± 2.5	PASS
		VN	50	-1.16	-0.001640	± 2.5	PASS
	HCH	VN	-30	0.54	0.000759	± 2.5	PASS
		VN	-20	-0.39	-0.000549	± 2.5	PASS
		VN	-10	3.82	0.005373	± 2.5	PASS
		VN	0	2.31	0.003249	± 2.5	PASS
		VN	10	0.02	0.000028	± 2.5	PASS
		VN	20	1.72	0.002419	± 2.5	PASS
		VN	30	0.49	0.000689	± 2.5	PASS
		VN	40	2.11	0.002968	± 2.5	PASS
		VN	50	0.48	0.000675	± 2.5	PASS

