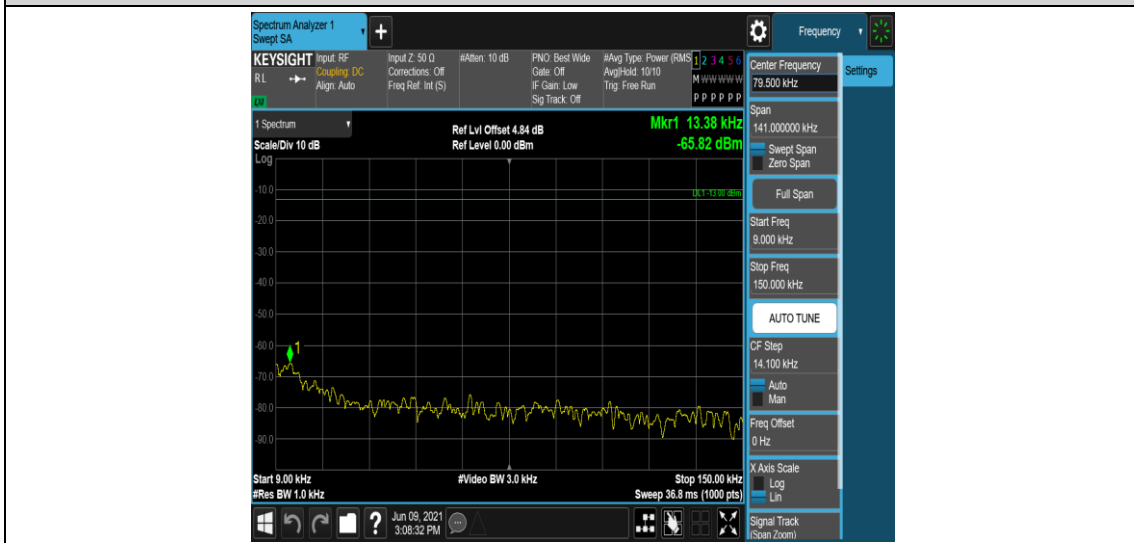


Band2-20MHz-QPSK-19100-1RB#0-Range5:2000~20000MHz



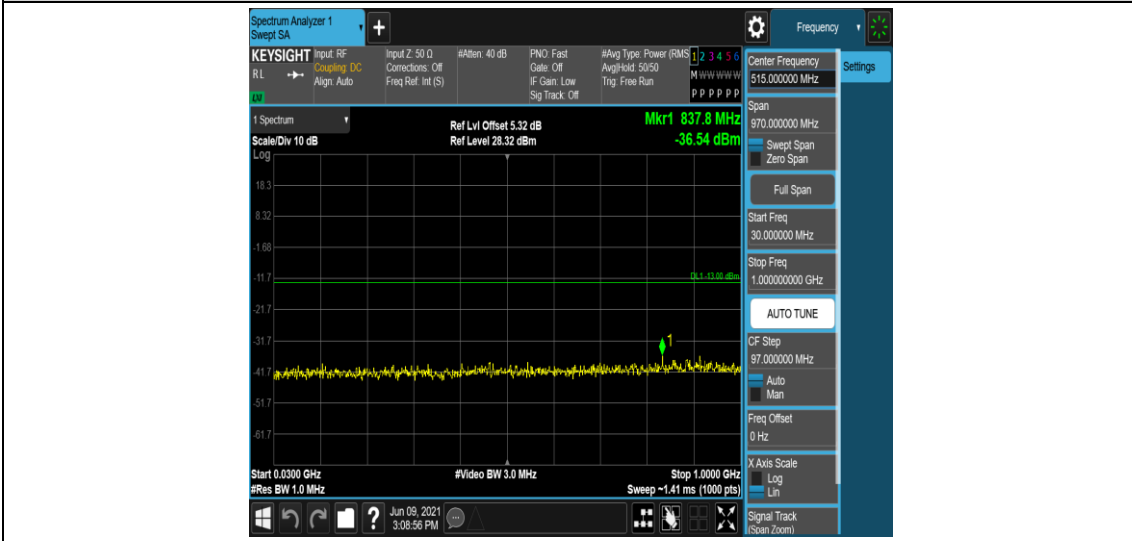
Band2-20MHz-16QAM-18700-1RB#0-Range1:0.009~0.15MHz



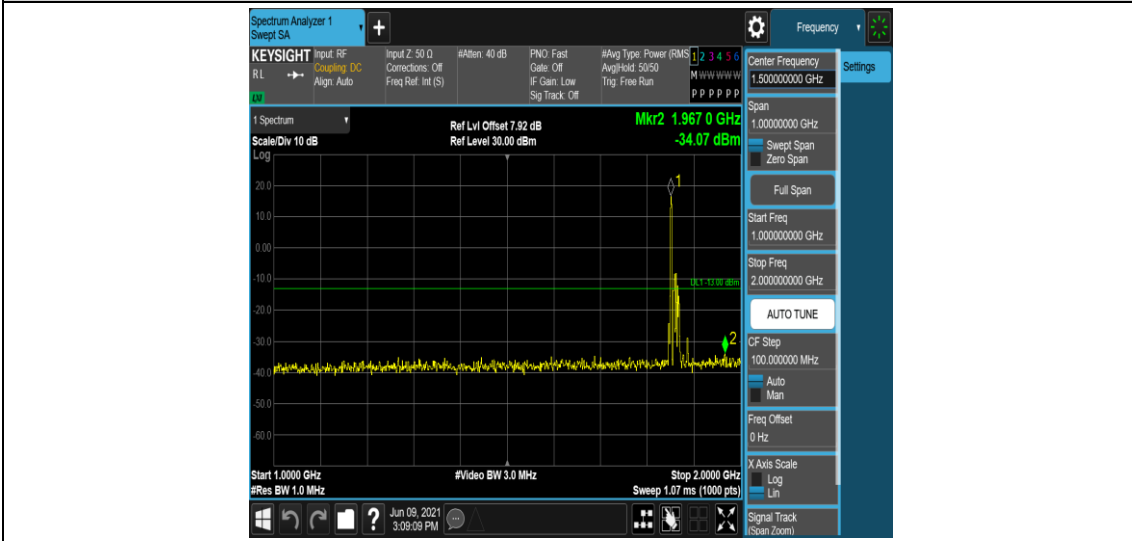
Band2-20MHz-16QAM-18700-1RB#0-Range2:0.15~30MHz



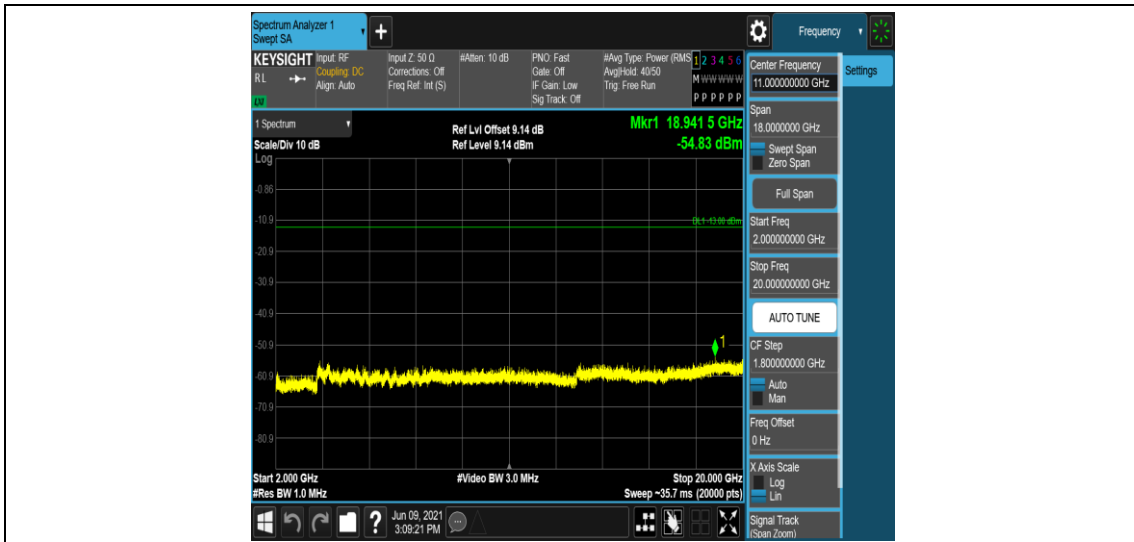
Band2-20MHz-16QAM-18700-1RB#0-Range3:30~1000MHz



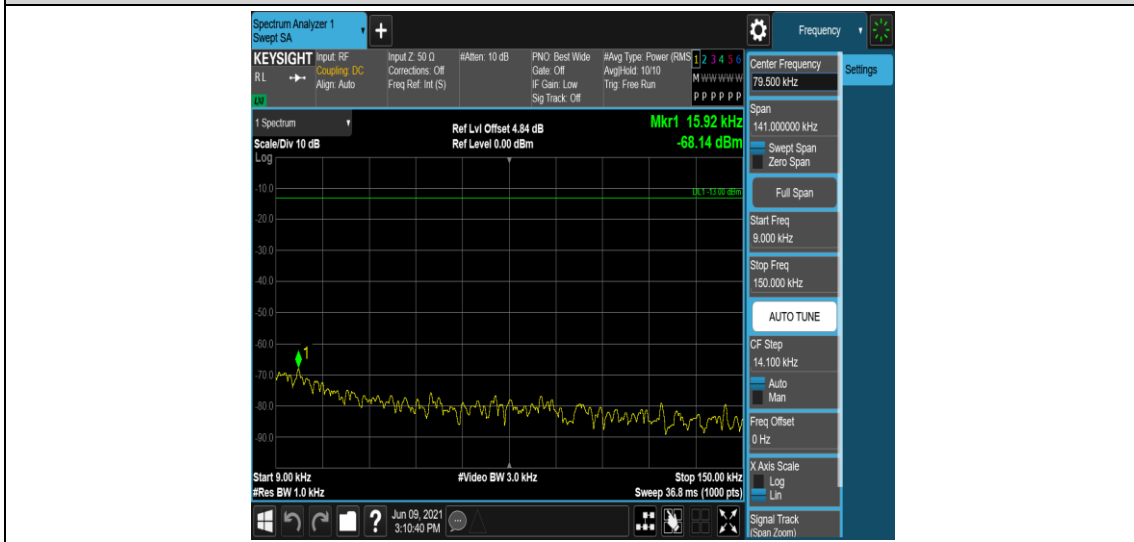
Band2-20MHz-16QAM-18700-1RB#0-Range4:1000~2000MHz



Band2-20MHz-16QAM-18700-1RB#0-Range5:2000~20000MHz



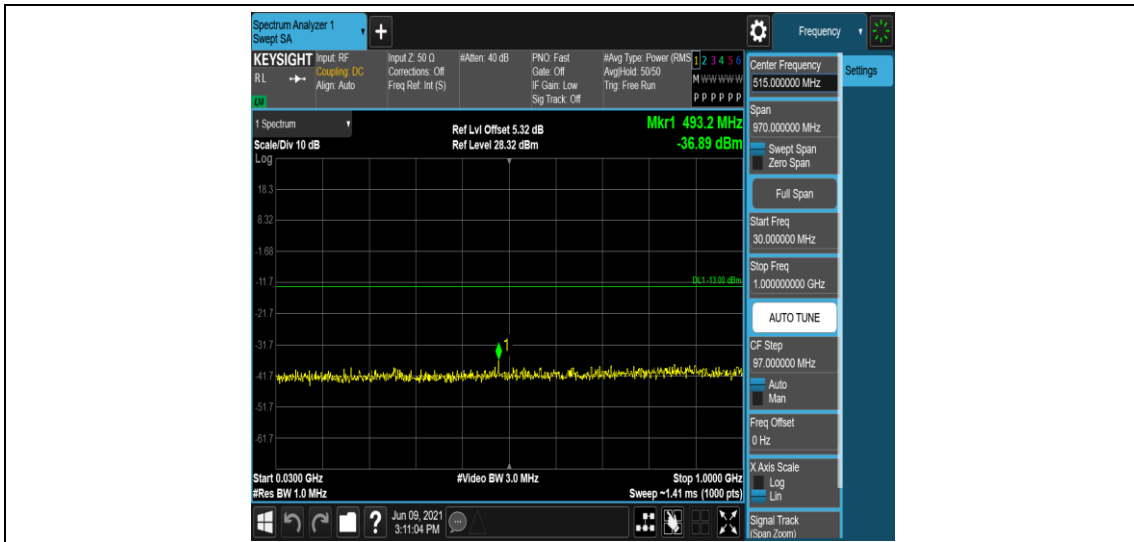
Band2-20MHz-16QAM-18900-1RB#0-Range1:0.009~0.15MHz



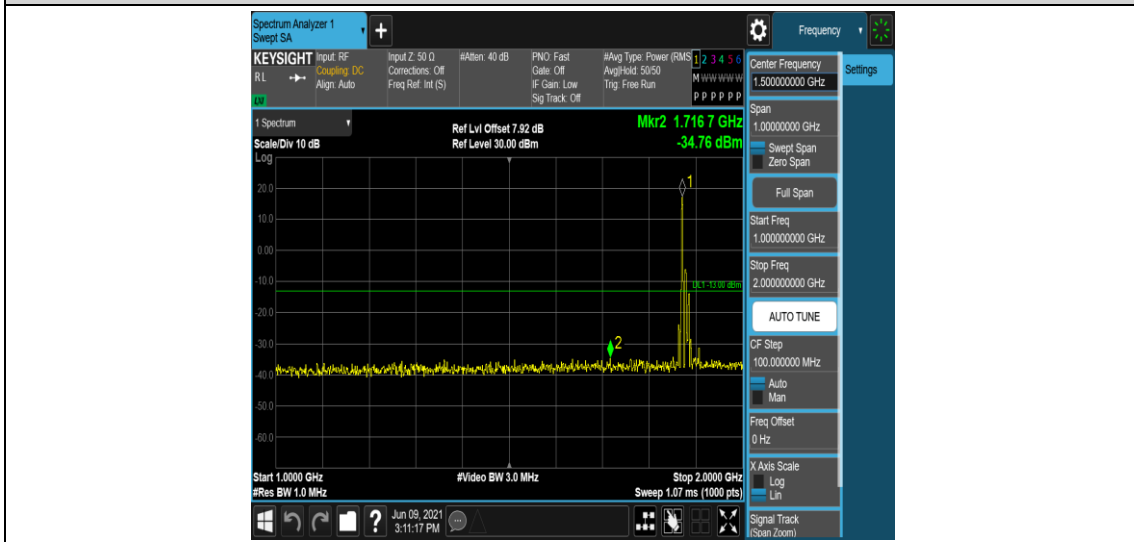
Band2-20MHz-16QAM-18900-1RB#0-Range2:0.15~30MHz



Band2-20MHz-16QAM-18900-1RB#0-Range3:30~1000MHz



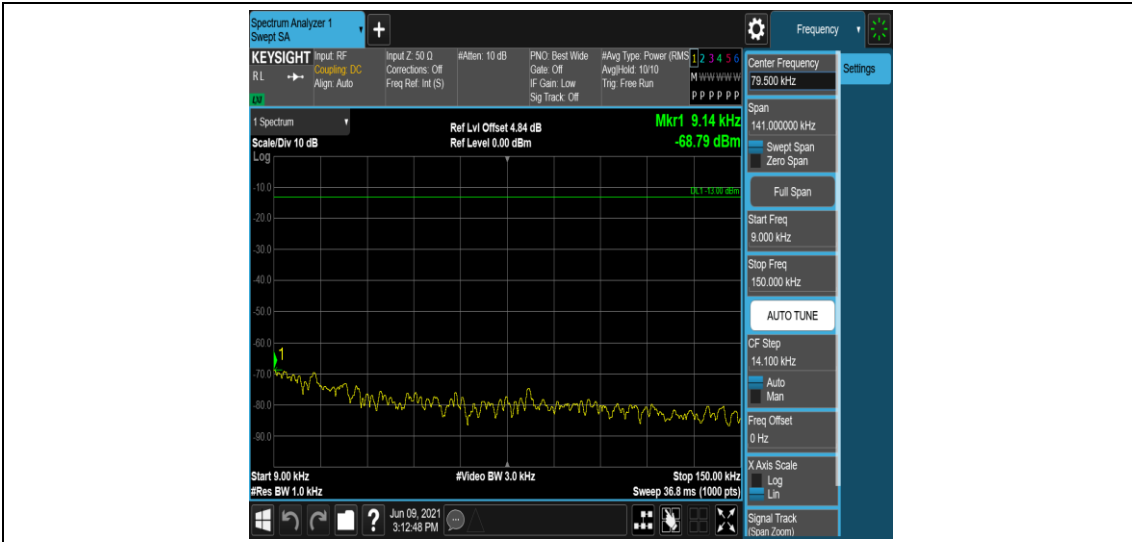
Band2-20MHz-16QAM-18900-1RB#0-Range4: 1000~2000MHz



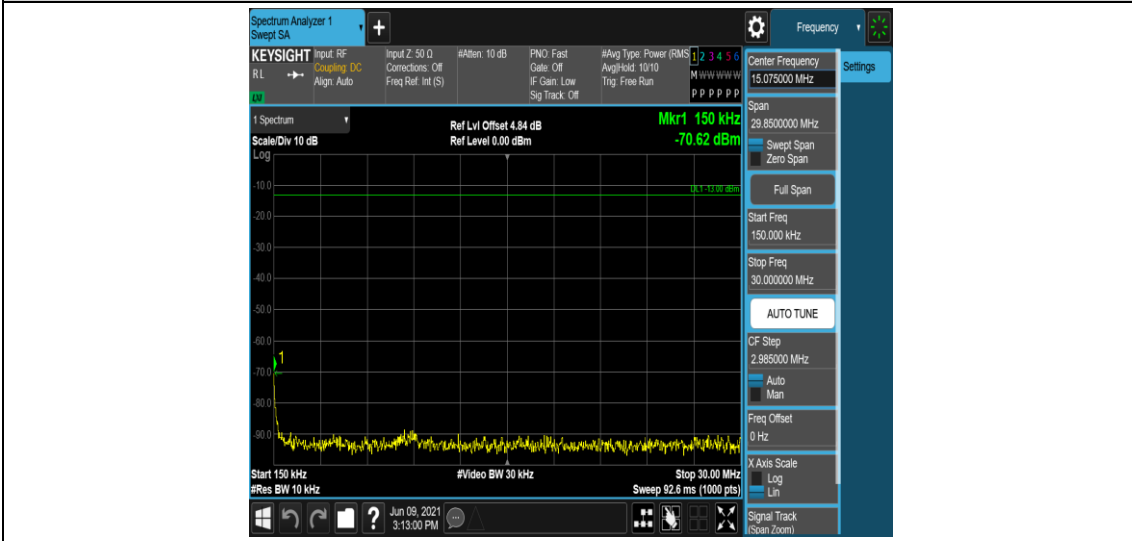
Band2-20MHz-16QAM-18900-1RB#0-Range5:2000~20000MHz



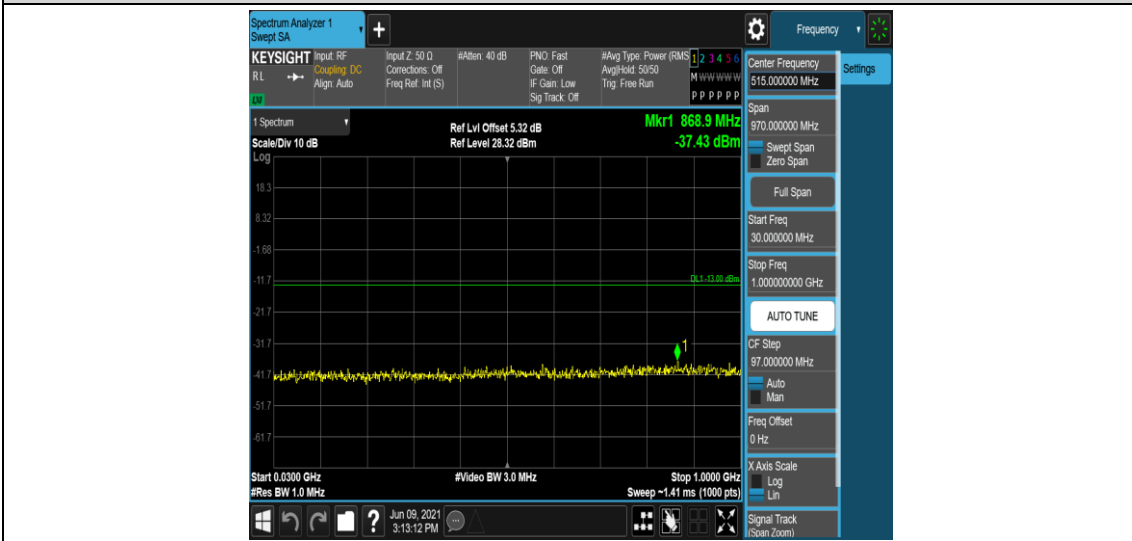
Band2-20MHz-16QAM-19100-1RB#0-Range1:0.009~0.15MHz



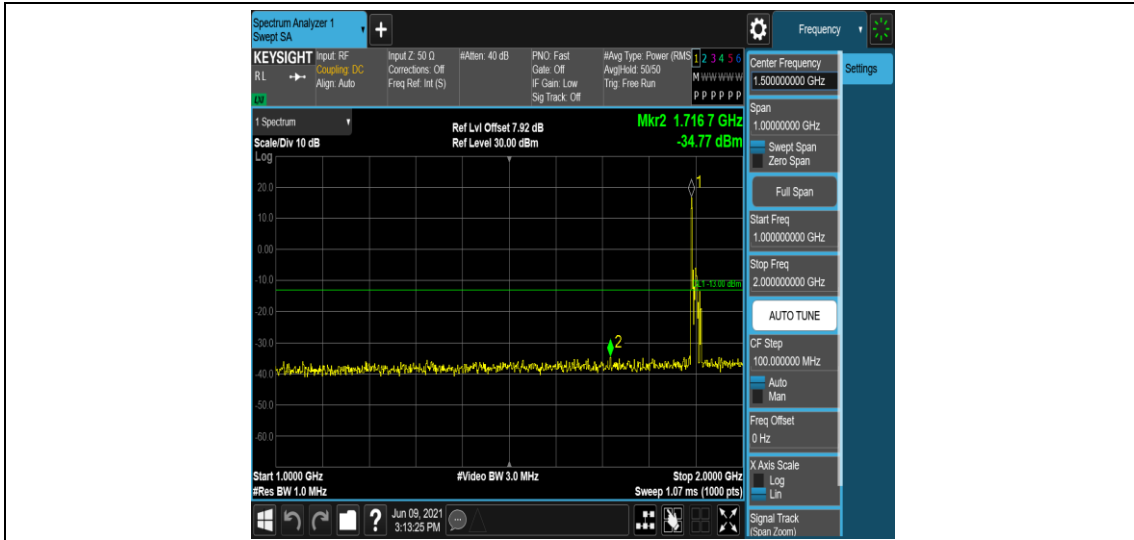
Band2-20MHz-16QAM-19100-1RB#0-Range2:0.15~30MHz



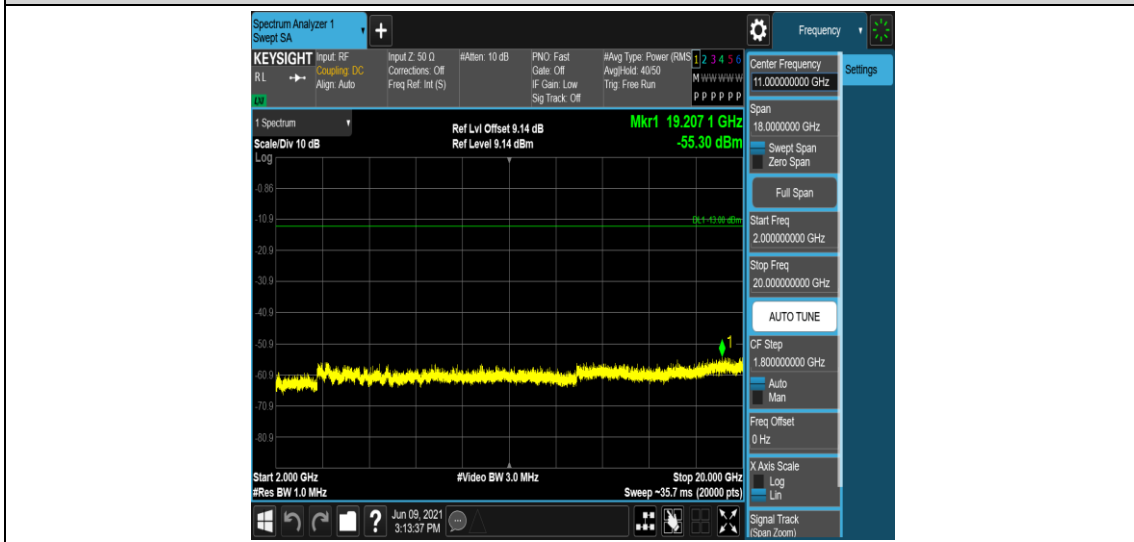
Band2-20MHz-16QAM-19100-1RB#0-Range3:30~1000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range4:1000~2000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range5:2000~20000MHz



Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.54	0.002453	± 2.5	PASS
		VN	TN	-0.72	-0.000389	± 2.5	PASS
		VH	TN	1.34	0.000724	± 2.5	PASS
	MCH	VL	TN	1.57	0.000835	± 2.5	PASS
		VN	TN	2.59	0.001378	± 2.5	PASS
		VH	TN	0.75	0.000399	± 2.5	PASS
	HCH	VL	TN	-0.96	-0.000503	± 2.5	PASS
		VN	TN	2.08	0.001089	± 2.5	PASS
		VH	TN	0.46	0.000241	± 2.5	PASS
16QAM	LCH	VL	TN	3.81	0.002059	± 2.5	PASS
		VN	TN	2.56	0.001383	± 2.5	PASS
		VH	TN	3.6	0.001945	± 2.5	PASS
	MCH	VL	TN	3.87	0.002059	± 2.5	PASS
		VN	TN	3.21	0.001707	± 2.5	PASS
		VH	TN	4.29	0.002282	± 2.5	PASS
	HCH	VL	TN	3.93	0.002058	± 2.5	PASS
		VN	TN	2.27	0.001189	± 2.5	PASS
		VH	TN	-1.86	-0.000974	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.26	0.002302	± 2.5	PASS
		VN	-20	4.22	0.002280	± 2.5	PASS
		VN	-10	-1.19	-0.000643	± 2.5	PASS
		VN	0	0.39	0.000211	± 2.5	PASS
		VN	10	-0.31	-0.000168	± 2.5	PASS
		VN	20	1.89	0.001021	± 2.5	PASS
		VN	30	3.09	0.001670	± 2.5	PASS
		VN	40	1.18	0.000638	± 2.5	PASS
	VN	50	-0.31	-0.000168	± 2.5	PASS	
MCH	VN	-30	-1.16	-0.000617	± 2.5	PASS	

		VN	-20	1.53	0.000814	± 2.5	PASS
		VN	-10	2.39	0.001271	± 2.5	PASS
		VN	0	0.55	0.000293	± 2.5	PASS
		VN	10	0.53	0.000282	± 2.5	PASS
		VN	20	2.25	0.001197	± 2.5	PASS
		VN	30	-1.37	-0.000729	± 2.5	PASS
		VN	40	-1.12	-0.000596	± 2.5	PASS
		VN	50	4.29	0.002282	± 2.5	PASS
	HCH	VN	-30	1.91	0.001000	± 2.5	PASS
		VN	-20	0.41	0.000215	± 2.5	PASS
		VN	-10	0.89	0.000466	± 2.5	PASS
		VN	0	-1.84	-0.000964	± 2.5	PASS
		VN	10	4.47	0.002341	± 2.5	PASS
		VN	20	1.22	0.000639	± 2.5	PASS
		VN	30	4.85	0.002540	± 2.5	PASS
		VN	40	4.72	0.002472	± 2.5	PASS
		VN	50	4.56	0.002388	± 2.5	PASS
		16QAM	LCH	VN	-30	3.91	0.002113
VN	-20			-0.32	-0.000173	± 2.5	PASS
VN	-10			3.59	0.001940	± 2.5	PASS
VN	0			2.82	0.001524	± 2.5	PASS
VN	10			1.03	0.000557	± 2.5	PASS
VN	20			4.95	0.002675	± 2.5	PASS
VN	30			1.63	0.000881	± 2.5	PASS
VN	40			3.66	0.001978	± 2.5	PASS
VN	50			1.16	0.000627	± 2.5	PASS
MCH	VN		-30	3.6	0.001915	± 2.5	PASS
	VN		-20	2.04	0.001085	± 2.5	PASS
	VN		-10	-0.88	-0.000468	± 2.5	PASS
	VN		0	1.86	0.000989	± 2.5	PASS
	VN		10	0.31	0.000165	± 2.5	PASS
	VN		20	2.67	0.001420	± 2.5	PASS
	VN		30	3.31	0.001761	± 2.5	PASS
	VN		40	4.15	0.002207	± 2.5	PASS
	VN		50	0.92	0.000489	± 2.5	PASS
HCH	VN		-30	0.43	0.000225	± 2.5	PASS
	VN		-20	4.02	0.002105	± 2.5	PASS
	VN		-10	-0.36	-0.000189	± 2.5	PASS
	VN		0	3.75	0.001964	± 2.5	PASS
	VN		10	1.66	0.000869	± 2.5	PASS
	VN		20	2.31	0.001210	± 2.5	PASS

		VN	30	4.63	0.002425	± 2.5	PASS
		VN	40	0.96	0.000503	± 2.5	PASS
		VN	50	0.89	0.000466	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.03	0.001096	± 2.5	PASS
		VN	TN	-1.16	-0.000627	± 2.5	PASS
		VH	TN	1.67	0.000902	± 2.5	PASS
	MCH	VL	TN	-0.2	-0.000106	± 2.5	PASS
		VN	TN	3.29	0.001750	± 2.5	PASS
		VH	TN	3.79	0.002016	± 2.5	PASS
	HCH	VL	TN	0.77	0.000403	± 2.5	PASS
		VN	TN	-0.34	-0.000178	± 2.5	PASS
		VH	TN	-1.66	-0.000870	± 2.5	PASS
16QAM	LCH	VL	TN	3.28	0.001772	± 2.5	PASS
		VN	TN	1.05	0.000567	± 2.5	PASS
		VH	TN	2.17	0.001172	± 2.5	PASS
	MCH	VL	TN	2.08	0.001106	± 2.5	PASS
		VN	TN	3.33	0.001771	± 2.5	PASS
		VH	TN	1.43	0.000761	± 2.5	PASS
	HCH	VL	TN	4.35	0.002279	± 2.5	PASS
		VN	TN	1.24	0.000650	± 2.5	PASS
		VH	TN	2.79	0.001462	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.23	0.001204	± 2.5	PASS
		VN	-20	2.66	0.001437	± 2.5	PASS
		VN	-10	3.99	0.002155	± 2.5	PASS
		VN	0	0.18	0.000097	± 2.5	PASS
		VN	10	-0.87	-0.000470	± 2.5	PASS
		VN	20	-1.6	-0.000864	± 2.5	PASS
		VN	30	3.96	0.002139	± 2.5	PASS
		VN	40	0.4	0.000216	± 2.5	PASS
		VN	50	4.8	0.002592	± 2.5	PASS
	MCH	VN	-30	4.35	0.002314	± 2.5	PASS
		VN	-20	0.55	0.000293	± 2.5	PASS

		VN	-10	0.54	0.000287	± 2.5	PASS		
		VN	0	-1.73	-0.000920	± 2.5	PASS		
		VN	10	-1.89	-0.001005	± 2.5	PASS		
		VN	20	3.13	0.001665	± 2.5	PASS		
		VN	30	4.96	0.002638	± 2.5	PASS		
		VN	40	-1.08	-0.000574	± 2.5	PASS		
		VN	50	-0.22	-0.000117	± 2.5	PASS		
	HCH	VN	-30	-1.01	-0.000529	± 2.5	PASS		
		VN	-20	1.23	0.000644	± 2.5	PASS		
		VN	-10	4.41	0.002311	± 2.5	PASS		
		VN	0	2.91	0.001525	± 2.5	PASS		
		VN	10	-0.27	-0.000141	± 2.5	PASS		
		VN	20	2.31	0.001210	± 2.5	PASS		
		VN	30	4.76	0.002494	± 2.5	PASS		
		VN	40	2.8	0.001467	± 2.5	PASS		
		VN	50	3	0.001572	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.85	0.002079	± 2.5	PASS
				VN	-20	0.92	0.000497	± 2.5	PASS
VN	-10			-0.4	-0.000216	± 2.5	PASS		
VN	0			1.7	0.000918	± 2.5	PASS		
VN	10			2	0.001080	± 2.5	PASS		
VN	20			1.64	0.000886	± 2.5	PASS		
VN	30			4.45	0.002403	± 2.5	PASS		
VN	40			-0.18	-0.000097	± 2.5	PASS		
VN	50			-0.15	-0.000081	± 2.5	PASS		
MCH	VN		-30	-0.45	-0.000239	± 2.5	PASS		
	VN		-20	3.74	0.001989	± 2.5	PASS		
	VN		-10	2.89	0.001537	± 2.5	PASS		
	VN		0	-1.54	-0.000819	± 2.5	PASS		
	VN		10	2.32	0.001234	± 2.5	PASS		
	VN		20	4.25	0.002261	± 2.5	PASS		
	VN		30	4.1	0.002181	± 2.5	PASS		
	VN		40	0.51	0.000271	± 2.5	PASS		
	VN		50	-0.75	-0.000399	± 2.5	PASS		
HCH	VN		-30	2.95	0.001546	± 2.5	PASS		
	VN		-20	3.81	0.001996	± 2.5	PASS		
	VN		-10	3.6	0.001886	± 2.5	PASS		
	VN		0	1	0.000524	± 2.5	PASS		
	VN		10	0.17	0.000089	± 2.5	PASS		
	VN		20	3.99	0.002091	± 2.5	PASS		
	VN		30	-1.56	-0.000817	± 2.5	PASS		

		VN	40	2.05	0.001074	± 2.5	PASS
		VN	50	-1.42	-0.000744	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.17	0.002251	± 2.5	PASS
		VN	TN	3.02	0.001630	± 2.5	PASS
		VH	TN	0.15	0.000081	± 2.5	PASS
	MCH	VL	TN	0.46	0.000245	± 2.5	PASS
		VN	TN	2.38	0.001266	± 2.5	PASS
		VH	TN	2.91	0.001548	± 2.5	PASS
	HCH	VL	TN	4.39	0.002301	± 2.5	PASS
		VN	TN	1.95	0.001022	± 2.5	PASS
		VH	TN	4.46	0.002338	± 2.5	PASS
16QAM	LCH	VL	TN	2.07	0.001117	± 2.5	PASS
		VN	TN	-1.36	-0.000734	± 2.5	PASS
		VH	TN	3.6	0.001943	± 2.5	PASS
	MCH	VL	TN	4.09	0.002176	± 2.5	PASS
		VN	TN	0.07	0.000037	± 2.5	PASS
		VH	TN	-1.59	-0.000846	± 2.5	PASS
	HCH	VL	TN	1.78	0.000933	± 2.5	PASS
		VN	TN	0.35	0.000183	± 2.5	PASS
		VH	TN	-1.2	-0.000629	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.89	0.002100	± 2.5	PASS
		VN	-20	1.18	0.000637	± 2.5	PASS
		VN	-10	1.15	0.000621	± 2.5	PASS
		VN	0	4.48	0.002418	± 2.5	PASS
		VN	10	1.84	0.000993	± 2.5	PASS
		VN	20	-0.72	-0.000389	± 2.5	PASS
		VN	30	1.94	0.001047	± 2.5	PASS
		VN	40	2.27	0.001225	± 2.5	PASS
		VN	50	-0.41	-0.000221	± 2.5	PASS
	MCH	VN	-30	-1.68	-0.000894	± 2.5	PASS
		VN	-20	3.99	0.002122	± 2.5	PASS
		VN	-10	-1.26	-0.000670	± 2.5	PASS

		VN	0	2.5	0.001330	± 2.5	PASS		
		VN	10	1.63	0.000867	± 2.5	PASS		
		VN	20	4.46	0.002372	± 2.5	PASS		
		VN	30	0.64	0.000340	± 2.5	PASS		
		VN	40	-0.16	-0.000085	± 2.5	PASS		
		VN	50	1.5	0.000798	± 2.5	PASS		
	HCH	VN	-30	4.65	0.002438	± 2.5	PASS		
		VN	-20	-0.31	-0.000163	± 2.5	PASS		
		VN	-10	-0.33	-0.000173	± 2.5	PASS		
		VN	0	-1.57	-0.000823	± 2.5	PASS		
		VN	10	-1.07	-0.000561	± 2.5	PASS		
		VN	20	2.46	0.001290	± 2.5	PASS		
		VN	30	4.27	0.002239	± 2.5	PASS		
		VN	40	-0.7	-0.000367	± 2.5	PASS		
		VN	50	0.62	0.000325	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.61	-0.000869	± 2.5	PASS
				VN	-20	-0.76	-0.000410	± 2.5	PASS
				VN	-10	3.5	0.001889	± 2.5	PASS
VN	0			-1.13	-0.000610	± 2.5	PASS		
VN	10			2.8	0.001511	± 2.5	PASS		
VN	20			2.04	0.001101	± 2.5	PASS		
VN	30			2.74	0.001479	± 2.5	PASS		
VN	40			1.61	0.000869	± 2.5	PASS		
VN	50			2.62	0.001414	± 2.5	PASS		
MCH	VN		-30	-1.57	-0.000835	± 2.5	PASS		
	VN		-20	4.2	0.002234	± 2.5	PASS		
	VN		-10	0.23	0.000122	± 2.5	PASS		
	VN		0	0.36	0.000191	± 2.5	PASS		
	VN		10	0.6	0.000319	± 2.5	PASS		
	VN		20	1.68	0.000894	± 2.5	PASS		
	VN		30	-0.73	-0.000388	± 2.5	PASS		
	VN		40	-1.73	-0.000920	± 2.5	PASS		
	VN		50	2.24	0.001191	± 2.5	PASS		
HCH	VN	-30	-1.36	-0.000713	± 2.5	PASS			
	VN	-20	3.48	0.001824	± 2.5	PASS			
	VN	-10	-1.51	-0.000792	± 2.5	PASS			
	VN	0	0.82	0.000430	± 2.5	PASS			
	VN	10	3.36	0.001761	± 2.5	PASS			
	VN	20	-0.79	-0.000414	± 2.5	PASS			
	VN	30	4.66	0.002443	± 2.5	PASS			
	VN	40	-0.8	-0.000419	± 2.5	PASS			

		VN	50	2.96	0.001552	± 2.5	PASS
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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.07	0.001655	± 2.5	PASS
		VN	TN	2.13	0.001148	± 2.5	PASS
		VH	TN	-0.21	-0.000113	± 2.5	PASS
	MCH	VL	TN	2.62	0.001394	± 2.5	PASS
		VN	TN	4.73	0.002516	± 2.5	PASS
		VH	TN	2.05	0.001090	± 2.5	PASS
	HCH	VL	TN	1.34	0.000703	± 2.5	PASS
		VN	TN	3.12	0.001638	± 2.5	PASS
		VH	TN	-0.34	-0.000178	± 2.5	PASS
16QAM	LCH	VL	TN	0.06	0.000032	± 2.5	PASS
		VN	TN	-0.57	-0.000307	± 2.5	PASS
		VH	TN	-0.11	-0.000059	± 2.5	PASS
	MCH	VL	TN	-0.44	-0.000234	± 2.5	PASS
		VN	TN	1.51	0.000803	± 2.5	PASS
		VH	TN	-1.63	-0.000867	± 2.5	PASS
	HCH	VL	TN	2.81	0.001475	± 2.5	PASS
		VN	TN	-0.25	-0.000131	± 2.5	PASS
		VH	TN	2.24	0.001176	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.79	0.002582	± 2.5	PASS
		VN	-20	1.06	0.000571	± 2.5	PASS
		VN	-10	3.75	0.002022	± 2.5	PASS
		VN	0	-1.1	-0.000593	± 2.5	PASS
		VN	10	-0.42	-0.000226	± 2.5	PASS
		VN	20	4.48	0.002415	± 2.5	PASS
		VN	30	-1.52	-0.000819	± 2.5	PASS
		VN	40	-0.03	-0.000016	± 2.5	PASS
		VN	50	2.15	0.001159	± 2.5	PASS
	MCH	VN	-30	2.04	0.001085	± 2.5	PASS
		VN	-20	2.83	0.001505	± 2.5	PASS
		VN	-10	-0.47	-0.000250	± 2.5	PASS
		VN	0	1.29	0.000686	± 2.5	PASS

		VN	10	4.43	0.002356	± 2.5	PASS
		VN	20	3.9	0.002074	± 2.5	PASS
		VN	30	0.2	0.000106	± 2.5	PASS
		VN	40	2.82	0.001500	± 2.5	PASS
		VN	50	0.89	0.000473	± 2.5	PASS
	HCH	VN	-30	2.93	0.001538	± 2.5	PASS
		VN	-20	4.79	0.002514	± 2.5	PASS
		VN	-10	0.3	0.000157	± 2.5	PASS
		VN	0	1.92	0.001008	± 2.5	PASS
		VN	10	-1	-0.000525	± 2.5	PASS
		VN	20	3.92	0.002058	± 2.5	PASS
		VN	30	-0.84	-0.000441	± 2.5	PASS
		VN	40	2.55	0.001339	± 2.5	PASS
		VN	50	1.62	0.000850	± 2.5	PASS
		16QAM	LCH	VN	-30	2.02	0.001089
VN	-20			-1.35	-0.000728	± 2.5	PASS
VN	-10			1.57	0.000846	± 2.5	PASS
VN	0			1.37	0.000739	± 2.5	PASS
VN	10			3.58	0.001930	± 2.5	PASS
VN	20			0.15	0.000081	± 2.5	PASS
VN	30			2.48	0.001337	± 2.5	PASS
VN	40			3.94	0.002124	± 2.5	PASS
VN	50			0.28	0.000151	± 2.5	PASS
MCH	VN		-30	3.58	0.001904	± 2.5	PASS
	VN		-20	2.46	0.001309	± 2.5	PASS
	VN		-10	1.4	0.000745	± 2.5	PASS
	VN		0	0.16	0.000085	± 2.5	PASS
	VN		10	-0.78	-0.000415	± 2.5	PASS
	VN		20	4.05	0.002154	± 2.5	PASS
	VN		30	-0.43	-0.000229	± 2.5	PASS
	VN		40	-0.67	-0.000356	± 2.5	PASS
	VN		50	3.05	0.001622	± 2.5	PASS
HCH	VN		-30	2.96	0.001554	± 2.5	PASS
	VN		-20	1.14	0.000598	± 2.5	PASS
	VN		-10	1.53	0.000803	± 2.5	PASS
	VN		0	1.68	0.000882	± 2.5	PASS
	VN		10	2.87	0.001507	± 2.5	PASS
	VN		20	4.76	0.002499	± 2.5	PASS
	VN		30	1.46	0.000766	± 2.5	PASS
	VN		40	1	0.000525	± 2.5	PASS
	VN		50	1.77	0.000929	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.01	-0.000544	± 2.5	PASS
		VN	TN	1.73	0.000931	± 2.5	PASS
		VH	TN	-0.3	-0.000162	± 2.5	PASS
	MCH	VL	TN	2.02	0.001074	± 2.5	PASS
		VN	TN	2.46	0.001309	± 2.5	PASS
		VH	TN	0.75	0.000399	± 2.5	PASS
	HCH	VL	TN	0.38	0.000200	± 2.5	PASS
		VN	TN	3.07	0.001614	± 2.5	PASS
		VH	TN	-1.72	-0.000904	± 2.5	PASS
16QAM	LCH	VL	TN	4.12	0.002218	± 2.5	PASS
		VN	TN	-0.82	-0.000441	± 2.5	PASS
		VH	TN	1.21	0.000651	± 2.5	PASS
	MCH	VL	TN	2.22	0.001181	± 2.5	PASS
		VN	TN	-1.68	-0.000894	± 2.5	PASS
		VH	TN	-1.37	-0.000729	± 2.5	PASS
	HCH	VL	TN	1.49	0.000783	± 2.5	PASS
		VN	TN	3.68	0.001934	± 2.5	PASS
		VH	TN	2.58	0.001356	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.35	0.000727	± 2.5	PASS
		VN	-20	0.44	0.000237	± 2.5	PASS
		VN	-10	-0.95	-0.000511	± 2.5	PASS
		VN	0	3.31	0.001782	± 2.5	PASS
		VN	10	-1.54	-0.000829	± 2.5	PASS
		VN	20	-1.52	-0.000818	± 2.5	PASS
		VN	30	1.07	0.000576	± 2.5	PASS
		VN	40	4.42	0.002380	± 2.5	PASS
		VN	50	1.57	0.000845	± 2.5	PASS
	MCH	VN	-30	1.49	0.000793	± 2.5	PASS
		VN	-20	3.1	0.001649	± 2.5	PASS
		VN	-10	4.11	0.002186	± 2.5	PASS
		VN	0	-1.03	-0.000548	± 2.5	PASS
		VN	10	4.58	0.002436	± 2.5	PASS

		VN	20	4.32	0.002298	± 2.5	PASS
		VN	30	3.87	0.002059	± 2.5	PASS
		VN	40	1.23	0.000654	± 2.5	PASS
		VN	50	1.92	0.001021	± 2.5	PASS
	HCH	VN	-30	0.09	0.000047	± 2.5	PASS
		VN	-20	-1.43	-0.000752	± 2.5	PASS
		VN	-10	2.97	0.001561	± 2.5	PASS
		VN	0	2.18	0.001146	± 2.5	PASS
		VN	10	2.14	0.001125	± 2.5	PASS
		VN	20	4.49	0.002360	± 2.5	PASS
		VN	30	1.95	0.001025	± 2.5	PASS
		VN	40	0.34	0.000179	± 2.5	PASS
		VN	50	2.68	0.001409	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.63	-0.000878
VN	-20			2.88	0.001550	± 2.5	PASS
VN	-10			4.04	0.002175	± 2.5	PASS
VN	0			4.08	0.002197	± 2.5	PASS
VN	10			0.66	0.000355	± 2.5	PASS
VN	20			2.27	0.001222	± 2.5	PASS
VN	30			4.02	0.002164	± 2.5	PASS
VN	40			-0.98	-0.000528	± 2.5	PASS
VN	50			3.15	0.001696	± 2.5	PASS
MCH	VN		-30	1.98	0.001053	± 2.5	PASS
	VN		-20	2.71	0.001441	± 2.5	PASS
	VN		-10	1.85	0.000984	± 2.5	PASS
	VN		0	5	0.002660	± 2.5	PASS
	VN		10	4.85	0.002580	± 2.5	PASS
	VN		20	3.01	0.001601	± 2.5	PASS
	VN		30	4.39	0.002335	± 2.5	PASS
	VN		40	0.38	0.000202	± 2.5	PASS
	VN		50	4.63	0.002463	± 2.5	PASS
HCH	VN		-30	-0.82	-0.000431	± 2.5	PASS
	VN		-20	0.97	0.000510	± 2.5	PASS
	VN		-10	3.6	0.001892	± 2.5	PASS
	VN		0	0.76	0.000399	± 2.5	PASS
	VN		10	2.23	0.001172	± 2.5	PASS
	VN		20	2.79	0.001466	± 2.5	PASS
	VN		30	-1.71	-0.000899	± 2.5	PASS
	VN		40	-0.59	-0.000310	± 2.5	PASS
	VN		50	-1.05	-0.000552	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.29	-0.000694	± 2.5	PASS
		VN	TN	-0.36	-0.000194	± 2.5	PASS
		VH	TN	1.06	0.000570	± 2.5	PASS
	MCH	VL	TN	2.94	0.001564	± 2.5	PASS
		VN	TN	-0.22	-0.000117	± 2.5	PASS
		VH	TN	-1.86	-0.000989	± 2.5	PASS
	HCH	VL	TN	-1.8	-0.000947	± 2.5	PASS
		VN	TN	3.71	0.001953	± 2.5	PASS
		VH	TN	-0.8	-0.000421	± 2.5	PASS
16QAM	LCH	VL	TN	0.97	0.000522	± 2.5	PASS
		VN	TN	4.88	0.002624	± 2.5	PASS
		VH	TN	-1.57	-0.000844	± 2.5	PASS
	MCH	VL	TN	-0.35	-0.000186	± 2.5	PASS
		VN	TN	-1.43	-0.000761	± 2.5	PASS
		VH	TN	1.42	0.000755	± 2.5	PASS
	HCH	VL	TN	-0.04	-0.000021	± 2.5	PASS
		VN	TN	1.74	0.000916	± 2.5	PASS
		VH	TN	3.21	0.001689	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.26	0.000677	± 2.5	PASS
		VN	-20	-1.6	-0.000860	± 2.5	PASS
		VN	-10	-1.84	-0.000989	± 2.5	PASS
		VN	0	-0.07	-0.000038	± 2.5	PASS
		VN	10	4.46	0.002398	± 2.5	PASS
		VN	20	0.32	0.000172	± 2.5	PASS
		VN	30	1.47	0.000790	± 2.5	PASS
		VN	40	0.21	0.000113	± 2.5	PASS
	MCH	VN	50	-1.87	-0.001005	± 2.5	PASS
		VN	-30	-1.83	-0.000973	± 2.5	PASS
		VN	-20	3.6	0.001915	± 2.5	PASS
		VN	-10	1.98	0.001053	± 2.5	PASS
		VN	0	-0.24	-0.000128	± 2.5	PASS
		VN	10	-0.1	-0.000053	± 2.5	PASS
VN	20	2.32	0.001234	± 2.5	PASS		

		VN	30	3	0.001596	± 2.5	PASS
		VN	40	0.76	0.000404	± 2.5	PASS
		VN	50	-0.8	-0.000426	± 2.5	PASS
	HCH	VN	-30	3.58	0.001884	± 2.5	PASS
		VN	-20	-0.53	-0.000279	± 2.5	PASS
		VN	-10	4.01	0.002111	± 2.5	PASS
		VN	0	2.87	0.001511	± 2.5	PASS
		VN	10	1.81	0.000953	± 2.5	PASS
		VN	20	1.06	0.000558	± 2.5	PASS
		VN	30	3.55	0.001868	± 2.5	PASS
		VN	40	-1.48	-0.000779	± 2.5	PASS
		VN	50	-1.24	-0.000653	± 2.5	PASS
16QAM	LCH	VN	-30	1.31	0.000704	± 2.5	PASS
		VN	-20	3.46	0.001860	± 2.5	PASS
		VN	-10	-1.29	-0.000694	± 2.5	PASS
		VN	0	-1.49	-0.000801	± 2.5	PASS
		VN	10	1.99	0.001070	± 2.5	PASS
		VN	20	3.68	0.001978	± 2.5	PASS
		VN	30	2.63	0.001414	± 2.5	PASS
		VN	40	4.81	0.002586	± 2.5	PASS
		VN	50	0.21	0.000113	± 2.5	PASS
	MCH	VN	-30	-1.62	-0.000862	± 2.5	PASS
		VN	-20	0.17	0.000090	± 2.5	PASS
		VN	-10	1.25	0.000665	± 2.5	PASS
		VN	0	4.47	0.002378	± 2.5	PASS
		VN	10	0.71	0.000378	± 2.5	PASS
		VN	20	2.51	0.001335	± 2.5	PASS
		VN	30	4.69	0.002495	± 2.5	PASS
		VN	40	-1.25	-0.000665	± 2.5	PASS
		VN	50	4.21	0.002239	± 2.5	PASS
	HCH	VN	-30	4.59	0.002416	± 2.5	PASS
		VN	-20	4.91	0.002584	± 2.5	PASS
		VN	-10	0.38	0.000200	± 2.5	PASS
		VN	0	4.22	0.002221	± 2.5	PASS
		VN	10	3.5	0.001842	± 2.5	PASS
		VN	20	4.63	0.002437	± 2.5	PASS
		VN	30	3.51	0.001847	± 2.5	PASS
		VN	40	-0.41	-0.000216	± 2.5	PASS
		VN	50	4.91	0.002584	± 2.5	PASS