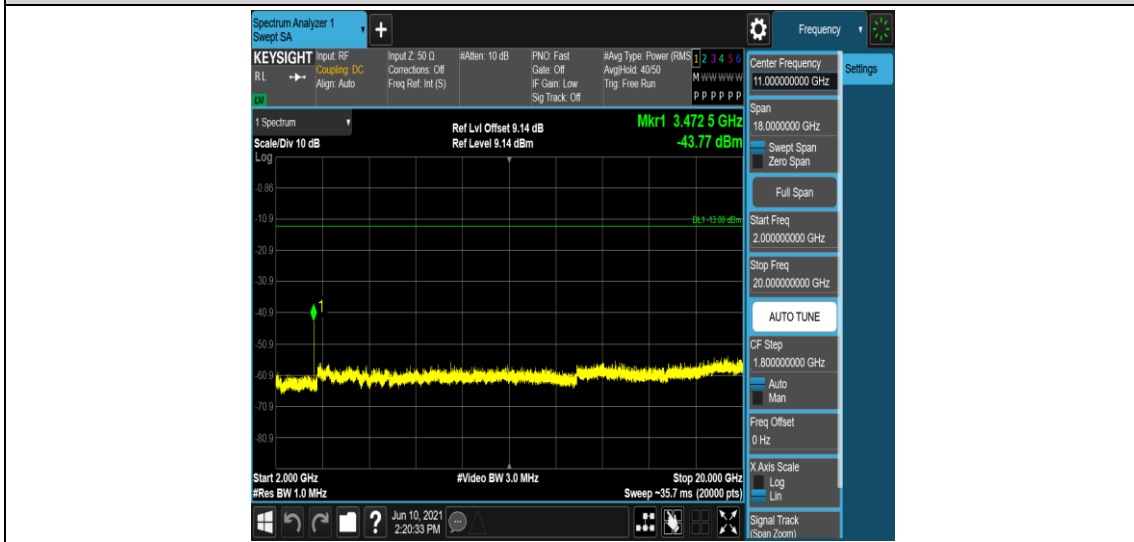


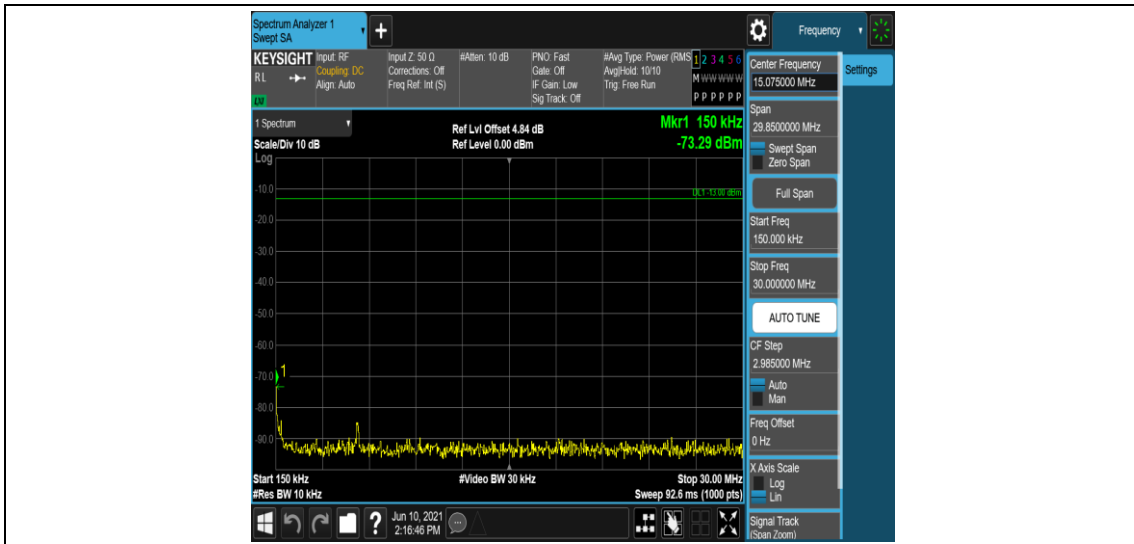
Band4-20MHz-QPSK-20300-1RB#0-Range5:2000~20000MHz



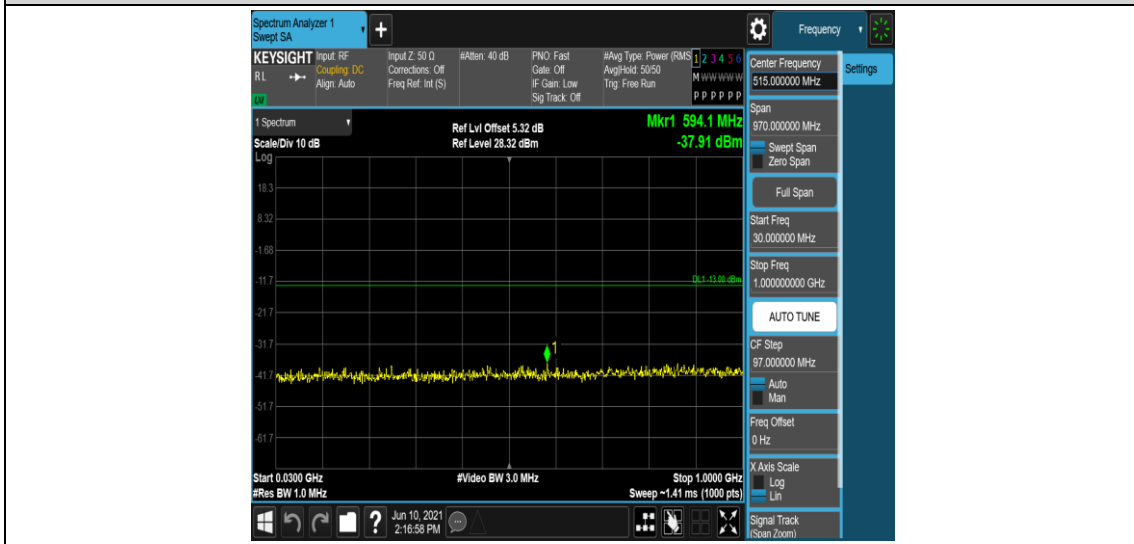
Band4-20MHz-16QAM-20050-1RB#0-Range1:0.009~0.15MHz



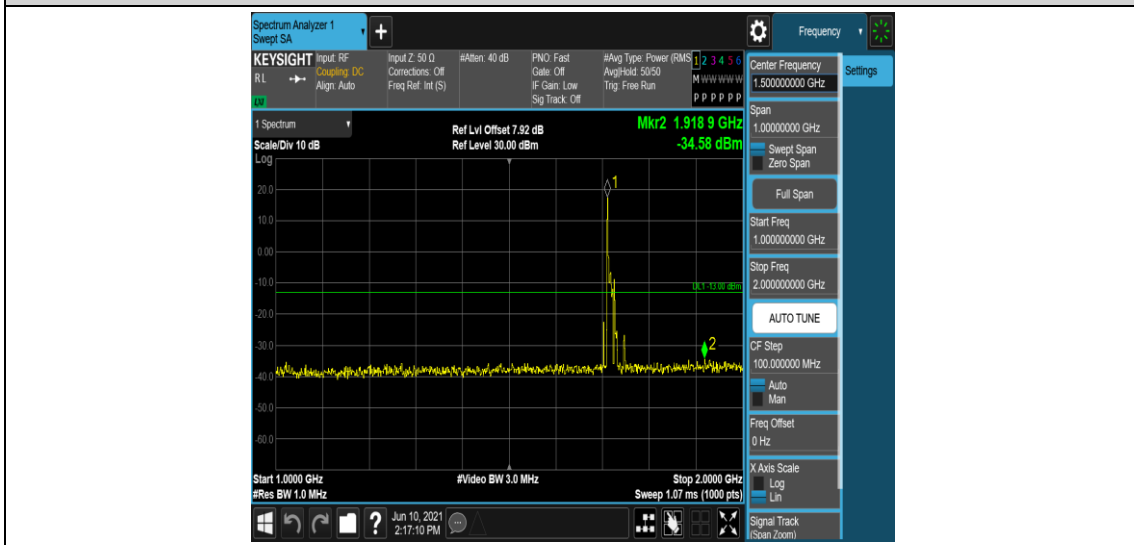
Band4-20MHz-16QAM-20050-1RB#0-Range2:0.15~30MHz



Band4-20MHz-16QAM-20050-1RB#0-Range3:30~1000MHz



Band4-20MHz-16QAM-20050-1RB#0-Range4:1000~2000MHz



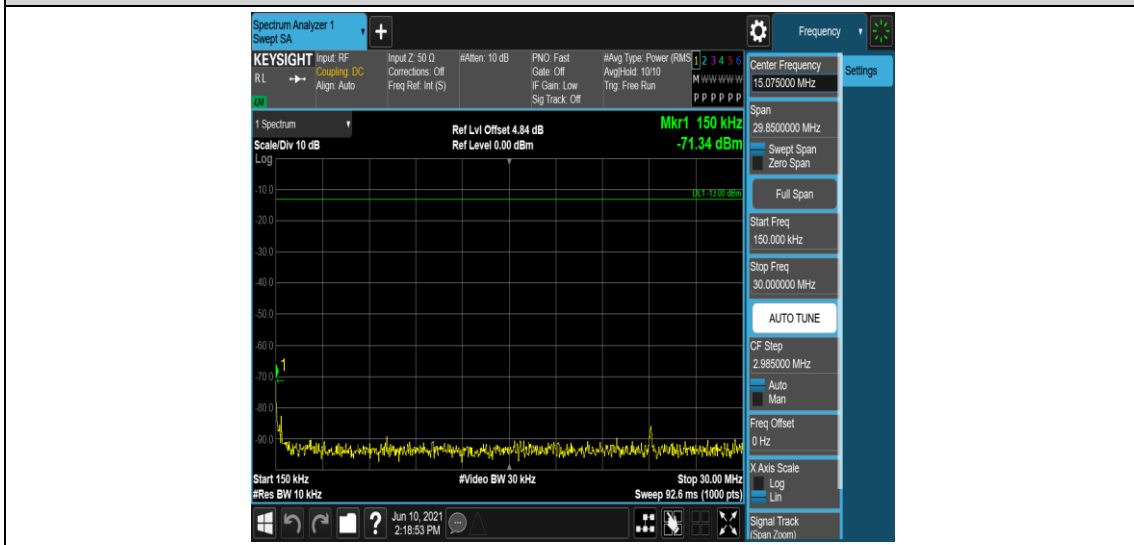
Band4-20MHz-16QAM-20050-1RB#0-Range5:2000~20000MHz



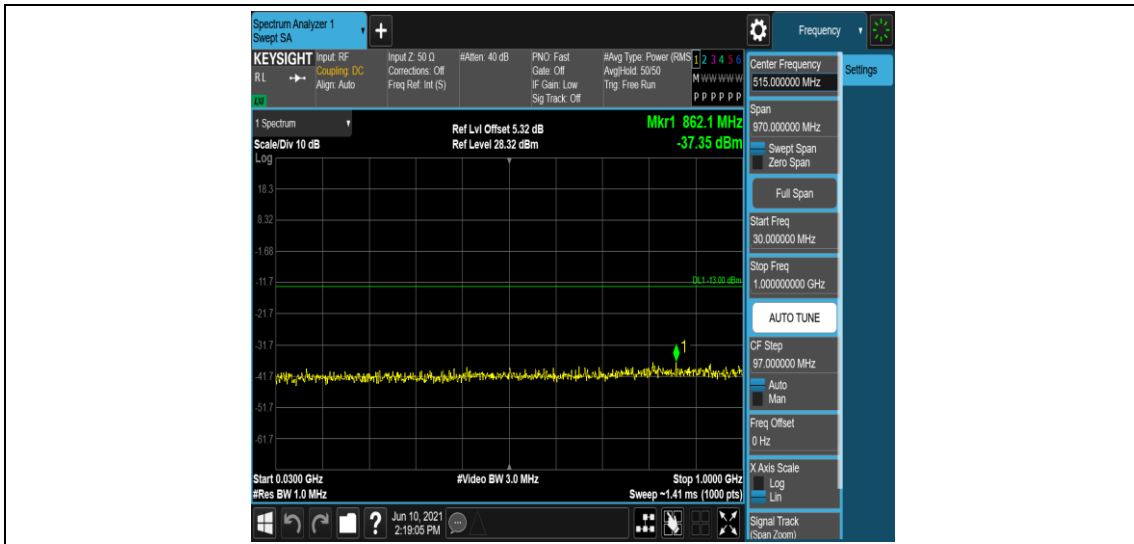
Band4-20MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



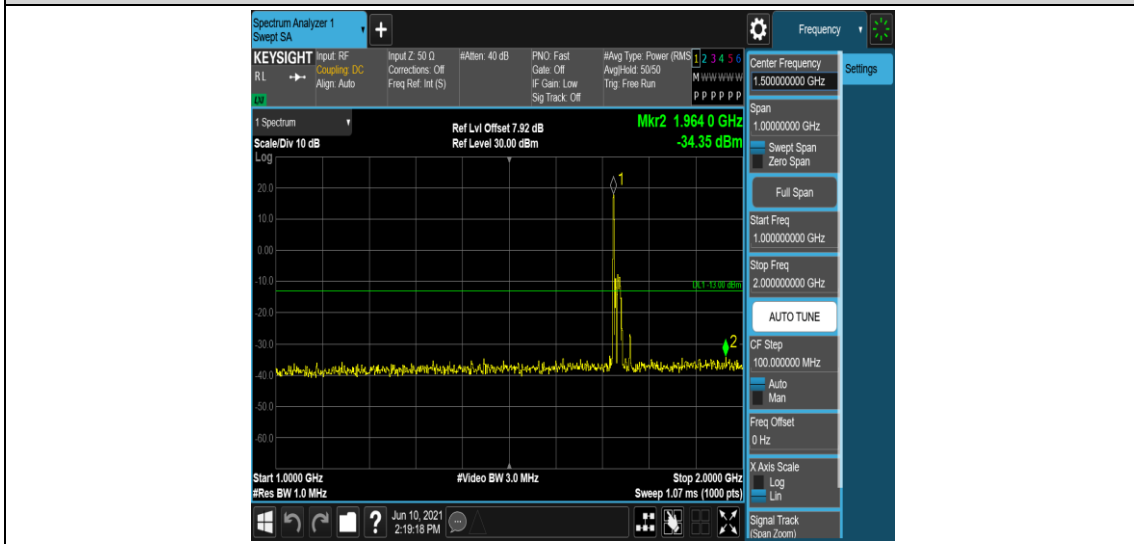
Band4-20MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



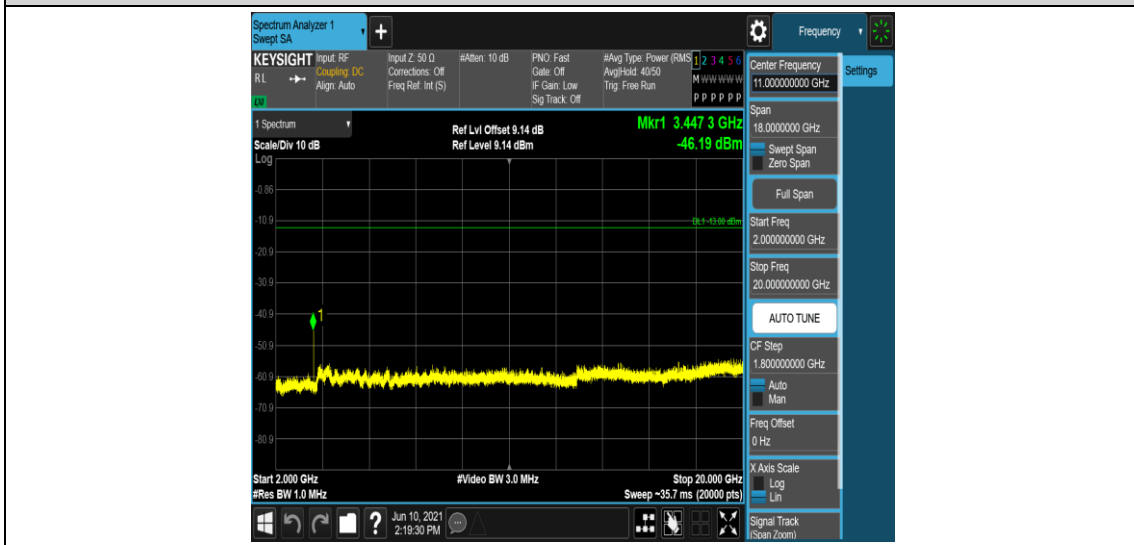
Band4-20MHz-16QAM-20175-1RB#0-Range3:30~1000MHz



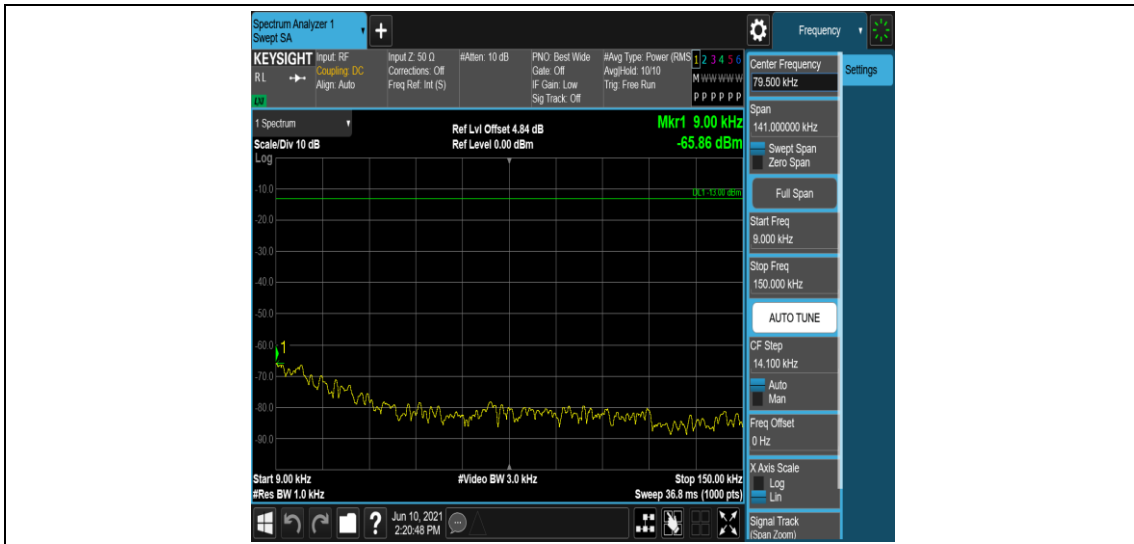
Band4-20MHz-16QAM-20175-1RB#0-Range4: 1000~2000MHz



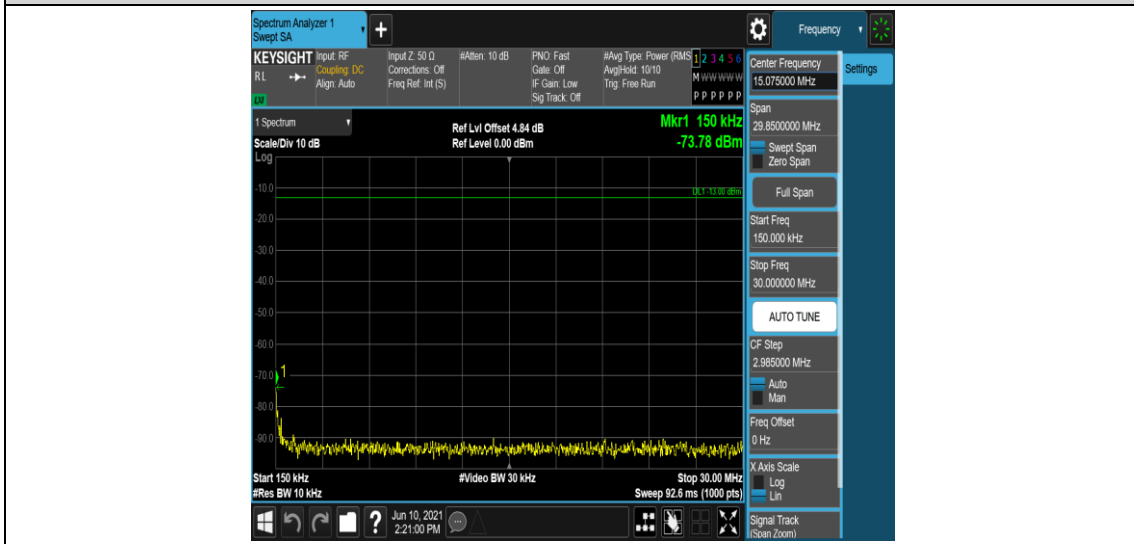
Band4-20MHz-16QAM-20175-1RB#0-Range5:2000~20000MHz



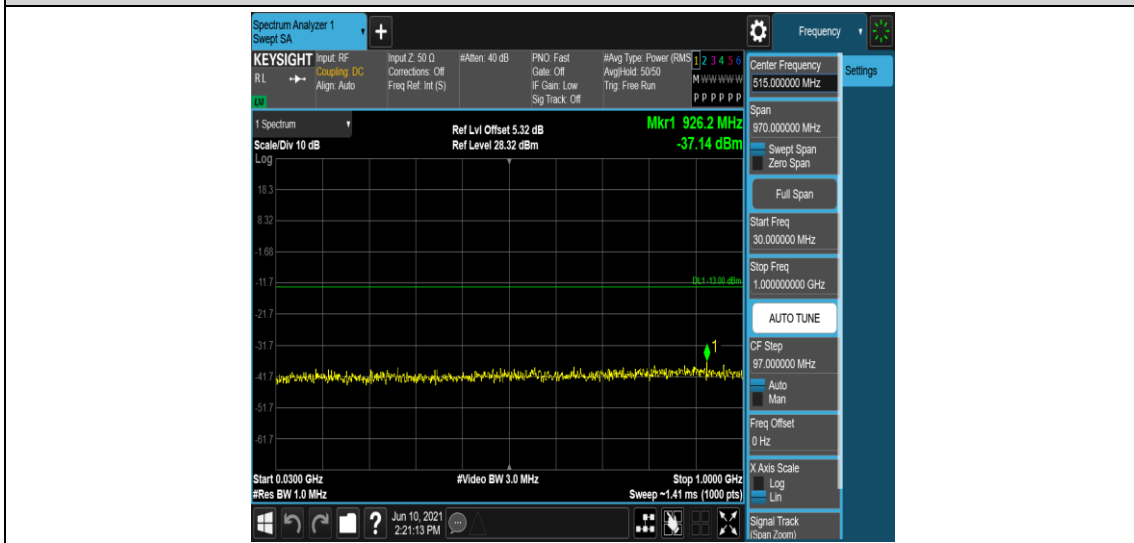
Band4-20MHz-16QAM-20300-1RB#0-Range1:0.009~0.15MHz



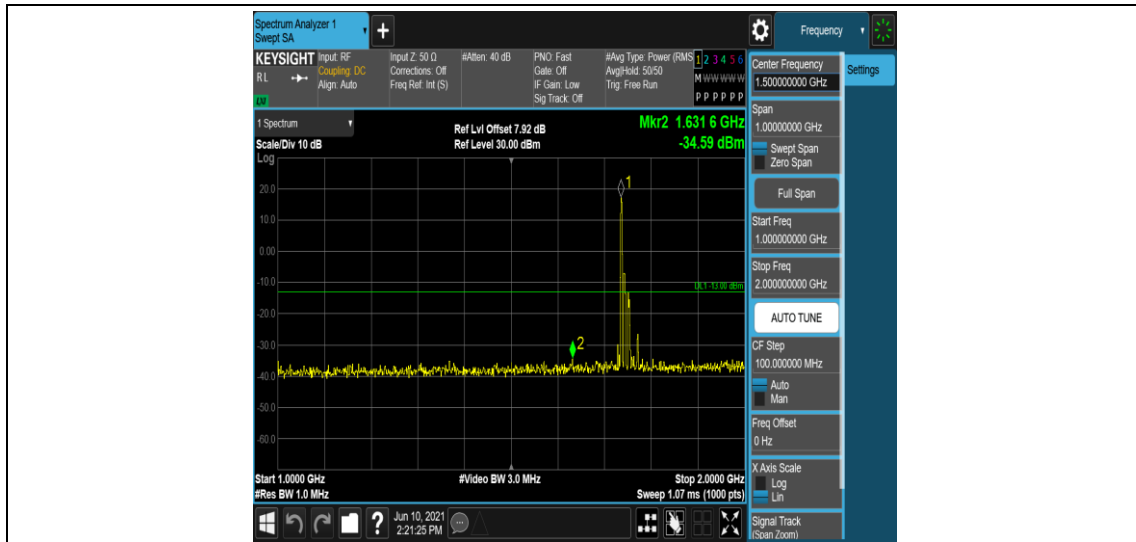
Band4-20MHz-16QAM-20300-1RB#0-Range2:0.15~30MHz



Band4-20MHz-16QAM-20300-1RB#0-Range3:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range4:1000~2000MHz



Band4-20MHz-16QAM-20300-1RB#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	2.67	0.001561	± 2.5	PASS
		VN	TN	0.72	0.000421	± 2.5	PASS
		VH	TN	3.09	0.001806	± 2.5	PASS
	MCH	VL	TN	1.47	0.000848	± 2.5	PASS
		VN	TN	-1.49	-0.000860	± 2.5	PASS
		VH	TN	-1.01	-0.000583	± 2.5	PASS
	HCH	VL	TN	1.89	0.001077	± 2.5	PASS
		VN	TN	3.75	0.002138	± 2.5	PASS
		VH	TN	1.23	0.000701	± 2.5	PASS
16QAM	LCH	VL	TN	4.43	0.002590	± 2.5	PASS
		VN	TN	2.99	0.001748	± 2.5	PASS
		VH	TN	-1.04	-0.000608	± 2.5	PASS
	MCH	VL	TN	-1.02	-0.000589	± 2.5	PASS
		VN	TN	3.99	0.002303	± 2.5	PASS
		VH	TN	0.68	0.000392	± 2.5	PASS
	HCH	VL	TN	4.95	0.002822	± 2.5	PASS
		VN	TN	1.08	0.000616	± 2.5	PASS
		VH	TN	4.93	0.002810	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.17	0.000099	± 2.5	PASS
		VN	-20	4.77	0.002788	± 2.5	PASS
		VN	-10	4.76	0.002782	± 2.5	PASS
		VN	0	1.96	0.001146	± 2.5	PASS
		VN	10	2.34	0.001368	± 2.5	PASS
		VN	20	2.9	0.001695	± 2.5	PASS
		VN	30	3.27	0.001911	± 2.5	PASS
		VN	40	-0.74	-0.000433	± 2.5	PASS
		VN	50	-1.27	-0.000742	± 2.5	PASS
	MCH	VN	-30	2.21	0.001276	± 2.5	PASS

		VN	-20	-0.84	-0.000485	± 2.5	PASS
		VN	-10	-0.55	-0.000317	± 2.5	PASS
		VN	0	1.61	0.000929	± 2.5	PASS
		VN	10	3.38	0.001951	± 2.5	PASS
		VN	20	-0.81	-0.000468	± 2.5	PASS
		VN	30	-0.48	-0.000277	± 2.5	PASS
		VN	40	-1.41	-0.000814	± 2.5	PASS
		VN	50	0.57	0.000329	± 2.5	PASS
	HCH	VN	-30	0.7	0.000399	± 2.5	PASS
		VN	-20	2.81	0.001602	± 2.5	PASS
		VN	-10	2.17	0.001237	± 2.5	PASS
		VN	0	2.43	0.001385	± 2.5	PASS
		VN	10	4.93	0.002810	± 2.5	PASS
		VN	20	-0.34	-0.000194	± 2.5	PASS
		VN	30	1.33	0.000758	± 2.5	PASS
		VN	40	5	0.002850	± 2.5	PASS
		VN	50	2.62	0.001493	± 2.5	PASS
		16QAM	LCH	VN	-30	4.74	0.002771
VN	-20			-1.68	-0.000982	± 2.5	PASS
VN	-10			3.64	0.002128	± 2.5	PASS
VN	0			3.54	0.002069	± 2.5	PASS
VN	10			-1.51	-0.000883	± 2.5	PASS
VN	20			3.64	0.002128	± 2.5	PASS
VN	30			1.4	0.000818	± 2.5	PASS
VN	40			-1.53	-0.000894	± 2.5	PASS
VN	50			3.17	0.001853	± 2.5	PASS
MCH	VN		-30	-1.82	-0.001037	± 2.5	PASS
	VN		-20	2.82	0.001607	± 2.5	PASS
	VN		-10	-1.22	-0.000695	± 2.5	PASS
	VN		0	-0.88	-0.000502	± 2.5	PASS
	VN		10	0.84	0.000479	± 2.5	PASS
	VN		20	1.54	0.000878	± 2.5	PASS
	VN		30	4.43	0.002525	± 2.5	PASS
	VN		40	4.33	0.002468	± 2.5	PASS
	VN		50	3.02	0.001721	± 2.5	PASS
HCH	VN		-30	0.35	0.000200	± 2.5	PASS
	VN		-20	4.5	0.002565	± 2.5	PASS
	VN		-10	-0.93	-0.000530	± 2.5	PASS
	VN		0	3.44	0.001961	± 2.5	PASS
	VN		10	0.18	0.000103	± 2.5	PASS
	VN		20	3.71	0.002115	± 2.5	PASS

		VN	30	4.27	0.002434	± 2.5	PASS
		VN	40	-0.04	-0.000023	± 2.5	PASS
		VN	50	3.45	0.001967	± 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	-0.43	-0.000251	± 2.5	PASS
		VN	TN	1.76	0.001028	± 2.5	PASS
		VH	TN	0.19	0.000111	± 2.5	PASS
	MCH	VL	TN	2.93	0.001691	± 2.5	PASS
		VN	TN	2.08	0.001201	± 2.5	PASS
		VH	TN	2.46	0.001420	± 2.5	PASS
	HCH	VL	TN	3.85	0.002196	± 2.5	PASS
		VN	TN	-1.15	-0.000656	± 2.5	PASS
		VH	TN	4.23	0.002412	± 2.5	PASS
16QAM	LCH	VL	TN	2.73	0.001595	± 2.5	PASS
		VN	TN	0.03	0.000018	± 2.5	PASS
		VH	TN	4.27	0.002495	± 2.5	PASS
	MCH	VL	TN	0.91	0.000525	± 2.5	PASS
		VN	TN	-0.5	-0.000289	± 2.5	PASS
		VH	TN	-1.66	-0.000958	± 2.5	PASS
	HCH	VL	TN	-0.35	-0.000200	± 2.5	PASS
		VN	TN	3.96	0.002258	± 2.5	PASS
		VH	TN	-0.34	-0.000194	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.3	0.000175	± 2.5	PASS
		VN	-20	2.4	0.001402	± 2.5	PASS
		VN	-10	3.15	0.001840	± 2.5	PASS
		VN	0	2.8	0.001636	± 2.5	PASS
		VN	10	0.36	0.000210	± 2.5	PASS
		VN	20	3.34	0.001952	± 2.5	PASS
		VN	30	1.92	0.001122	± 2.5	PASS
		VN	40	4.12	0.002407	± 2.5	PASS
		VN	50	1.47	0.000859	± 2.5	PASS
	MCH	VN	-30	-0.67	-0.000387	± 2.5	PASS
		VN	-20	4.38	0.002528	± 2.5	PASS

		VN	-10	-1.12	-0.000646	± 2.5	PASS		
		VN	0	3.97	0.002291	± 2.5	PASS		
		VN	10	0.68	0.000392	± 2.5	PASS		
		VN	20	3.06	0.001766	± 2.5	PASS		
		VN	30	3.88	0.002240	± 2.5	PASS		
		VN	40	0.23	0.000133	± 2.5	PASS		
		VN	50	-1.71	-0.000987	± 2.5	PASS		
	HCH	VN	-30	4.89	0.002789	± 2.5	PASS		
		VN	-20	-0.68	-0.000388	± 2.5	PASS		
		VN	-10	0.16	0.000091	± 2.5	PASS		
		VN	0	1.72	0.000981	± 2.5	PASS		
		VN	10	4.51	0.002572	± 2.5	PASS		
		VN	20	-0.29	-0.000165	± 2.5	PASS		
		VN	30	2.77	0.001580	± 2.5	PASS		
		VN	40	1.47	0.000838	± 2.5	PASS		
		VN	50	3.15	0.001796	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.28	0.001893	± 2.5	PASS
				VN	-20	4.67	0.002696	± 2.5	PASS
VN	-10			0.55	0.000317	± 2.5	PASS		
VN	0			1	0.000577	± 2.5	PASS		
VN	10			1.36	0.000785	± 2.5	PASS		
VN	20			-0.97	-0.000560	± 2.5	PASS		
VN	30			4.33	0.002499	± 2.5	PASS		
VN	40			-1.88	-0.001085	± 2.5	PASS		
VN	50			4.83	0.002788	± 2.5	PASS		
MCH	VN		-30	-0.02	-0.000011	± 2.5	PASS		
	VN		-20	3.32	0.001893	± 2.5	PASS		
	VN		-10	2.26	0.001289	± 2.5	PASS		
	VN		0	0.91	0.000519	± 2.5	PASS		
	VN		10	3.53	0.002013	± 2.5	PASS		
	VN		20	-0.77	-0.000439	± 2.5	PASS		
	VN		30	2.03	0.001158	± 2.5	PASS		
	VN		40	0.08	0.000046	± 2.5	PASS		
	VN		50	2.05	0.001169	± 2.5	PASS		
HCH	VN		-30	3.28	0.001871	± 2.5	PASS		
	VN		-20	0.93	0.000530	± 2.5	PASS		
	VN		-10	0.55	0.000314	± 2.5	PASS		
	VN		0	-0.88	-0.000502	± 2.5	PASS		
	VN		10	0.22	0.000125	± 2.5	PASS		
	VN		20	2.08	0.001186	± 2.5	PASS		
	VN		30	2.69	0.001534	± 2.5	PASS		

		VN	40	-0.31	-0.000177	± 2.5	PASS
		VN	50	0.18	0.000103	± 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	-1.36	-0.000794	± 2.5	PASS
		VN	TN	-1.87	-0.001092	± 2.5	PASS
		VH	TN	-1.6	-0.000934	± 2.5	PASS
	MCH	VL	TN	2.77	0.001599	± 2.5	PASS
		VN	TN	0.82	0.000473	± 2.5	PASS
		VH	TN	4.67	0.002696	± 2.5	PASS
	HCH	VL	TN	-1.78	-0.001016	± 2.5	PASS
		VN	TN	2.94	0.001678	± 2.5	PASS
		VH	TN	-0.37	-0.000211	± 2.5	PASS
16QAM	LCH	VL	TN	-1.7	-0.000993	± 2.5	PASS
		VN	TN	1.78	0.001039	± 2.5	PASS
		VH	TN	3.97	0.002318	± 2.5	PASS
	MCH	VL	TN	4.65	0.002684	± 2.5	PASS
		VN	TN	1.79	0.001033	± 2.5	PASS
		VH	TN	0.17	0.000098	± 2.5	PASS
	HCH	VL	TN	3.97	0.002265	± 2.5	PASS
		VN	TN	-0.43	-0.000245	± 2.5	PASS
		VH	TN	4.87	0.002779	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.32	0.000771	± 2.5	PASS
		VN	-20	1.22	0.000712	± 2.5	PASS
		VN	-10	-0.31	-0.000181	± 2.5	PASS
		VN	0	-0.9	-0.000526	± 2.5	PASS
		VN	10	3.8	0.002219	± 2.5	PASS
		VN	20	-1.79	-0.001045	± 2.5	PASS
		VN	30	2.87	0.001676	± 2.5	PASS
		VN	40	3.73	0.002178	± 2.5	PASS
		VN	50	-1.64	-0.000958	± 2.5	PASS
	MCH	VN	-30	2.16	0.001247	± 2.5	PASS
		VN	-20	3.17	0.001830	± 2.5	PASS
		VN	-10	-0.02	-0.000012	± 2.5	PASS

		VN	0	3.44	0.001986	± 2.5	PASS		
		VN	10	-0.29	-0.000167	± 2.5	PASS		
		VN	20	4.37	0.002522	± 2.5	PASS		
		VN	30	3.12	0.001801	± 2.5	PASS		
		VN	40	1.69	0.000975	± 2.5	PASS		
		VN	50	3.65	0.002107	± 2.5	PASS		
	HCH	VN	-30	2.34	0.001335	± 2.5	PASS		
		VN	-20	3.88	0.002034	± 2.5	PASS		
		VN	-10	-1.75	-0.000917	± 2.5	PASS		
		VN	0	0.09	0.000047	± 2.5	PASS		
		VN	10	4.78	0.002506	± 2.5	PASS		
		VN	20	2.13	0.001117	± 2.5	PASS		
		VN	30	1.65	0.000865	± 2.5	PASS		
		VN	40	4.44	0.002328	± 2.5	PASS		
		VN	50	-0.48	-0.000252	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.12	0.000646	± 2.5	PASS
				VN	-20	4.7	0.002713	± 2.5	PASS
				VN	-10	-0.93	-0.000537	± 2.5	PASS
VN	0			1.74	0.001004	± 2.5	PASS		
VN	10			1.19	0.000687	± 2.5	PASS		
VN	20			0.57	0.000329	± 2.5	PASS		
VN	30			0.79	0.000456	± 2.5	PASS		
VN	40			2.25	0.001299	± 2.5	PASS		
VN	50			0.26	0.000150	± 2.5	PASS		
MCH	VN		-30	1.41	0.000805	± 2.5	PASS		
	VN		-20	2.78	0.001586	± 2.5	PASS		
	VN		-10	2.59	0.001478	± 2.5	PASS		
	VN		0	2.07	0.001181	± 2.5	PASS		
	VN		10	-0.31	-0.000177	± 2.5	PASS		
	VN		20	4.17	0.002379	± 2.5	PASS		
	VN		30	0.02	0.000011	± 2.5	PASS		
	VN		40	0.11	0.000063	± 2.5	PASS		
	VN		50	-0.88	-0.000502	± 2.5	PASS		
HCH	VN	-30	1.47	0.000771	± 2.5	PASS			
	VN	-20	-0.33	-0.000173	± 2.5	PASS			
	VN	-10	0.55	0.000288	± 2.5	PASS			
	VN	0	2.41	0.001263	± 2.5	PASS			
	VN	10	4.65	0.002438	± 2.5	PASS			
	VN	20	-1.21	-0.000634	± 2.5	PASS			
	VN	30	2.39	0.001253	± 2.5	PASS			
	VN	40	0.15	0.000079	± 2.5	PASS			

		VN	50	-0.42	-0.000220	± 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	2.52	0.001469	± 2.5	PASS
		VN	TN	2.47	0.001440	± 2.5	PASS
		VH	TN	-0.08	-0.000047	± 2.5	PASS
	MCH	VL	TN	-1.35	-0.000779	± 2.5	PASS
		VN	TN	1.71	0.000987	± 2.5	PASS
		VH	TN	3.83	0.002211	± 2.5	PASS
	HCH	VL	TN	0.27	0.000154	± 2.5	PASS
		VN	TN	3.39	0.001937	± 2.5	PASS
		VH	TN	2.86	0.001634	± 2.5	PASS
16QAM	LCH	VL	TN	3.16	0.001843	± 2.5	PASS
		VN	TN	1.58	0.000921	± 2.5	PASS
		VH	TN	0.46	0.000268	± 2.5	PASS
	MCH	VL	TN	2.11	0.001218	± 2.5	PASS
		VN	TN	-1.84	-0.001062	± 2.5	PASS
		VH	TN	1.65	0.000952	± 2.5	PASS
	HCH	VL	TN	4.95	0.002829	± 2.5	PASS
		VN	TN	3.6	0.002057	± 2.5	PASS
		VH	TN	1.03	0.000589	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.75	0.001020	± 2.5	PASS
		VN	-20	1.43	0.000834	± 2.5	PASS
		VN	-10	2.88	0.001679	± 2.5	PASS
		VN	0	-0.4	-0.000233	± 2.5	PASS
		VN	10	1.9	0.001108	± 2.5	PASS
		VN	20	-1.74	-0.001015	± 2.5	PASS
		VN	30	0.18	0.000105	± 2.5	PASS
		VN	40	-1.46	-0.000851	± 2.5	PASS
	MCH	VN	50	-0.83	-0.000484	± 2.5	PASS
		VN	-30	0.65	0.000375	± 2.5	PASS
		VN	-20	1.46	0.000843	± 2.5	PASS
		VN	-10	-0.6	-0.000346	± 2.5	PASS
		VN	0	-0.13	-0.000075	± 2.5	PASS
		VN	0	-0.13	-0.000075	± 2.5	PASS

		VN	10	4.83	0.002788	± 2.5	PASS
		VN	20	1.32	0.000762	± 2.5	PASS
		VN	30	1.4	0.000808	± 2.5	PASS
		VN	40	0.67	0.000387	± 2.5	PASS
		VN	50	1.06	0.000612	± 2.5	PASS
	HCH	VN	-30	0.67	0.000383	± 2.5	PASS
		VN	-20	-0.63	-0.000360	± 2.5	PASS
		VN	-10	2.6	0.001486	± 2.5	PASS
		VN	0	3.17	0.001811	± 2.5	PASS
		VN	10	2.13	0.001217	± 2.5	PASS
		VN	20	-1.98	-0.001131	± 2.5	PASS
		VN	30	-0.4	-0.000229	± 2.5	PASS
		VN	40	3.73	0.002131	± 2.5	PASS
		VN	50	3.86	0.002206	± 2.5	PASS
		16QAM	LCH	VN	-30	3.13	0.001807
VN	-20			-0.73	-0.000421	± 2.5	PASS
VN	-10			-0.01	-0.000006	± 2.5	PASS
VN	0			-0.18	-0.000104	± 2.5	PASS
VN	10			2.99	0.001726	± 2.5	PASS
VN	20			3.83	0.002211	± 2.5	PASS
VN	30			4.29	0.002476	± 2.5	PASS
VN	40			4.54	0.002620	± 2.5	PASS
VN	50			1.77	0.001022	± 2.5	PASS
MCH	VN		-30	-0.32	-0.000183	± 2.5	PASS
	VN		-20	-1.62	-0.000926	± 2.5	PASS
	VN		-10	-0.02	-0.000011	± 2.5	PASS
	VN		0	-0.45	-0.000257	± 2.5	PASS
	VN		10	-1.6	-0.000914	± 2.5	PASS
	VN		20	-0.22	-0.000126	± 2.5	PASS
	VN	30	1.11	0.000634	± 2.5	PASS	
	VN	40	0.22	0.000126	± 2.5	PASS	
	VN	50	0.9	0.000514	± 2.5	PASS	
HCH	VN	-30	-1.88	-0.001074	± 2.5	PASS	
	VN	-20	-1.69	-0.000966	± 2.5	PASS	
	VN	-10	4.66	0.002663	± 2.5	PASS	
	VN	0	3.41	0.001949	± 2.5	PASS	
	VN	10	3.09	0.001766	± 2.5	PASS	
	VN	20	4.82	0.002754	± 2.5	PASS	
	VN	30	-1.28	-0.000731	± 2.5	PASS	
	VN	40	1.34	0.000766	± 2.5	PASS	
	VN	50	1.95	0.001114	± 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	1.66	0.000967	± 2.5	PASS
		VN	TN	1.46	0.000850	± 2.5	PASS
		VH	TN	2.24	0.001304	± 2.5	PASS
	MCH	VL	TN	1.91	0.001102	± 2.5	PASS
		VN	TN	2.16	0.001247	± 2.5	PASS
		VH	TN	2.81	0.001622	± 2.5	PASS
	HCH	VL	TN	2.68	0.001534	± 2.5	PASS
		VN	TN	-1.24	-0.000710	± 2.5	PASS
		VH	TN	-0.31	-0.000177	± 2.5	PASS
16QAM	LCH	VL	TN	1.12	0.000652	± 2.5	PASS
		VN	TN	-0.51	-0.000297	± 2.5	PASS
		VH	TN	3.71	0.002160	± 2.5	PASS
	MCH	VL	TN	3.2	0.001847	± 2.5	PASS
		VN	TN	0.53	0.000306	± 2.5	PASS
		VH	TN	-1.33	-0.000768	± 2.5	PASS
	HCH	VL	TN	-1.78	-0.001019	± 2.5	PASS
		VN	TN	1.01	0.000578	± 2.5	PASS
		VH	TN	-0.67	-0.000383	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.68	-0.000396	± 2.5	PASS
		VN	-20	2.64	0.001537	± 2.5	PASS
		VN	-10	1.29	0.000751	± 2.5	PASS
		VN	0	-0.43	-0.000250	± 2.5	PASS
		VN	10	3.75	0.002183	± 2.5	PASS
		VN	20	-0.34	-0.000198	± 2.5	PASS
		VN	30	1.77	0.001031	± 2.5	PASS
		VN	40	2.55	0.001485	± 2.5	PASS
		VN	50	0.44	0.000256	± 2.5	PASS
	MCH	VN	-30	-1.97	-0.001137	± 2.5	PASS
		VN	-20	-1.29	-0.000745	± 2.5	PASS
		VN	-10	1.63	0.000941	± 2.5	PASS
		VN	0	0.16	0.000092	± 2.5	PASS
		VN	10	-0.63	-0.000364	± 2.5	PASS

		VN	20	1.07	0.000618	± 2.5	PASS
		VN	30	-0.49	-0.000283	± 2.5	PASS
		VN	40	0.48	0.000277	± 2.5	PASS
		VN	50	3.19	0.001841	± 2.5	PASS
	HCH	VN	-30	2.19	0.001253	± 2.5	PASS
		VN	-20	2.83	0.001619	± 2.5	PASS
		VN	-10	3.36	0.001923	± 2.5	PASS
		VN	0	-1.31	-0.000750	± 2.5	PASS
		VN	10	4.66	0.002667	± 2.5	PASS
		VN	20	2.03	0.001162	± 2.5	PASS
		VN	30	0.89	0.000509	± 2.5	PASS
		VN	40	0.17	0.000097	± 2.5	PASS
		VN	50	-0.9	-0.000515	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.7	-0.000404
VN	-20			-1.8	-0.001039	± 2.5	PASS
VN	-10			1.99	0.001149	± 2.5	PASS
VN	0			0.01	0.000006	± 2.5	PASS
VN	10			0.43	0.000248	± 2.5	PASS
VN	20			0.09	0.000052	± 2.5	PASS
VN	30			-1.03	-0.000595	± 2.5	PASS
VN	40			1.92	0.001108	± 2.5	PASS
VN	50			-0.86	-0.000496	± 2.5	PASS
MCH	VN			-30	-0.45	-0.000258	± 2.5
	VN		-20	4.53	0.002592	± 2.5	PASS
	VN		-10	-1.17	-0.000670	± 2.5	PASS
	VN		0	0.39	0.000223	± 2.5	PASS
	VN		10	1.11	0.000635	± 2.5	PASS
	VN		20	3.97	0.002272	± 2.5	PASS
	VN		30	2.12	0.001213	± 2.5	PASS
	VN		40	-1.75	-0.001001	± 2.5	PASS
	VN		50	0.84	0.000481	± 2.5	PASS
	HCH		VN	-30	4.24	0.002426	± 2.5
VN			-20	3.03	0.001734	± 2.5	PASS
VN			-10	1.31	0.000750	± 2.5	PASS
VN			0	3.21	0.001837	± 2.5	PASS
VN			10	4.02	0.002300	± 2.5	PASS
VN			20	4.58	0.002621	± 2.5	PASS
VN			30	4.73	0.002707	± 2.5	PASS
VN			40	1.17	0.000670	± 2.5	PASS
VN			50	0.36	0.000206	± 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	-1.78	-0.001035	± 2.5	PASS
		VN	TN	0.31	0.000180	± 2.5	PASS
		VH	TN	4.75	0.002762	± 2.5	PASS
	MCH	VL	TN	4.5	0.002597	± 2.5	PASS
		VN	TN	4.53	0.002615	± 2.5	PASS
		VH	TN	0.66	0.000381	± 2.5	PASS
	HCH	VL	TN	0.81	0.000464	± 2.5	PASS
		VN	TN	1.45	0.000831	± 2.5	PASS
		VH	TN	0.99	0.000567	± 2.5	PASS
16QAM	LCH	VL	TN	-1.69	-0.000983	± 2.5	PASS
		VN	TN	-1.77	-0.001029	± 2.5	PASS
		VH	TN	-0.17	-0.000099	± 2.5	PASS
	MCH	VL	TN	3.36	0.001939	± 2.5	PASS
		VN	TN	4.69	0.002707	± 2.5	PASS
		VH	TN	-0.6	-0.000346	± 2.5	PASS
	HCH	VL	TN	-0.8	-0.000458	± 2.5	PASS
		VN	TN	3.7	0.002120	± 2.5	PASS
		VH	TN	4.74	0.002716	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.14	-0.000663	± 2.5	PASS
		VN	-20	1.73	0.001006	± 2.5	PASS
		VN	-10	-1.6	-0.000930	± 2.5	PASS
		VN	0	1.77	0.001029	± 2.5	PASS
		VN	10	4.24	0.002465	± 2.5	PASS
		VN	20	1.7	0.000988	± 2.5	PASS
		VN	30	-0.05	-0.000029	± 2.5	PASS
		VN	40	0.66	0.000384	± 2.5	PASS
		VN	50	3.39	0.001971	± 2.5	PASS
	MCH	VN	-30	1.96	0.001131	± 2.5	PASS
		VN	-20	4.33	0.002499	± 2.5	PASS
		VN	-10	4.06	0.002343	± 2.5	PASS
		VN	0	3.83	0.002211	± 2.5	PASS
		VN	10	4.53	0.002615	± 2.5	PASS
		VN	20	2.65	0.001530	± 2.5	PASS

		VN	30	4.46	0.002574	± 2.5	PASS
		VN	40	1.67	0.000964	± 2.5	PASS
		VN	50	3.87	0.002234	± 2.5	PASS
	HCH	VN	-30	1.03	0.000590	± 2.5	PASS
		VN	-20	3.15	0.001805	± 2.5	PASS
		VN	-10	3.13	0.001794	± 2.5	PASS
		VN	0	-0.62	-0.000355	± 2.5	PASS
		VN	10	3.42	0.001960	± 2.5	PASS
		VN	20	-0.36	-0.000206	± 2.5	PASS
		VN	30	-1.46	-0.000837	± 2.5	PASS
		VN	40	0.91	0.000521	± 2.5	PASS
		VN	50	1.56	0.000894	± 2.5	PASS
16QAM	LCH	VN	-30	-0.43	-0.000248	± 2.5	PASS
		VN	-20	2.19	0.001264	± 2.5	PASS
		VN	-10	0.47	0.000271	± 2.5	PASS
		VN	0	-1.87	-0.001079	± 2.5	PASS
		VN	10	2.33	0.001345	± 2.5	PASS
		VN	20	2.45	0.001414	± 2.5	PASS
		VN	30	2.29	0.001322	± 2.5	PASS
		VN	40	4.3	0.002482	± 2.5	PASS
		VN	50	1.14	0.000658	± 2.5	PASS
	MCH	VN	-30	-0.41	-0.000235	± 2.5	PASS
		VN	-20	4.43	0.002539	± 2.5	PASS
		VN	-10	-1.44	-0.000825	± 2.5	PASS
		VN	0	4.41	0.002527	± 2.5	PASS
		VN	10	0.55	0.000315	± 2.5	PASS
		VN	20	0.65	0.000372	± 2.5	PASS
		VN	30	4.81	0.002756	± 2.5	PASS
		VN	40	2.55	0.001461	± 2.5	PASS
		VN	50	-1.48	-0.000848	± 2.5	PASS
	HCH	VN	-30	-0.19	-0.000109	± 2.5	PASS
		VN	-20	1.99	0.001140	± 2.5	PASS
		VN	-10	1.2	0.000688	± 2.5	PASS
		VN	0	4.4	0.002521	± 2.5	PASS
		VN	10	-1.9	-0.001089	± 2.5	PASS
		VN	20	-0.7	-0.000401	± 2.5	PASS
		VN	30	0.8	0.000458	± 2.5	PASS
		VN	40	2.56	0.001467	± 2.5	PASS
		VN	50	4.15	0.002378	± 2.5	PASS