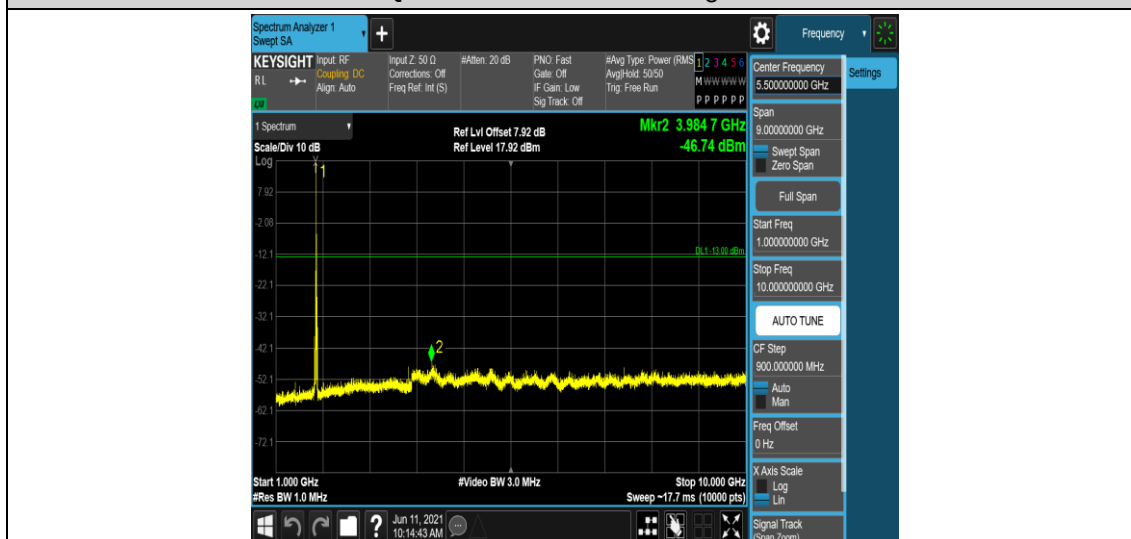




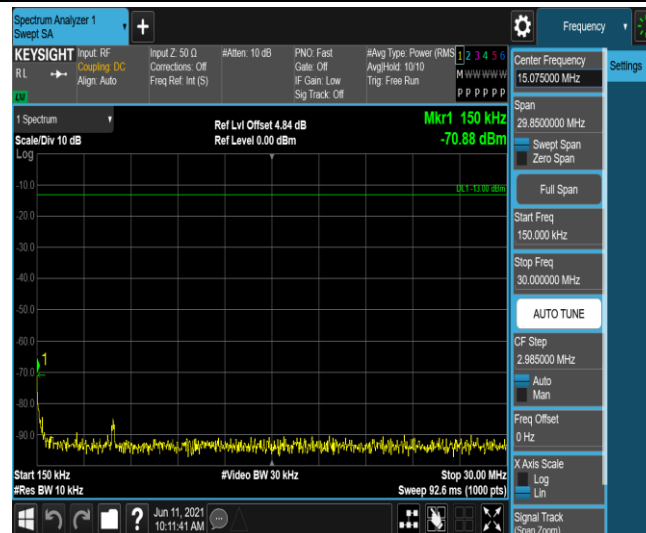
Band66-15MHz-QPSK-132597-1RB#0-Range4:1000~10000MHz



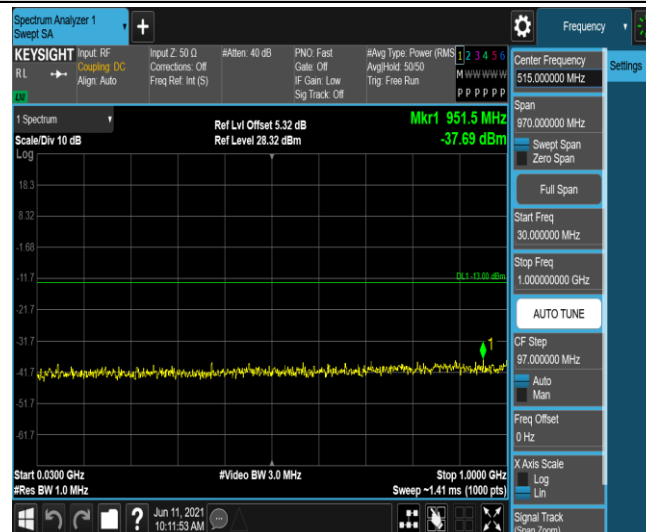
Band66-15MHz-16QAM-132047-1RB#0-Range1:0.009~0.15MHz



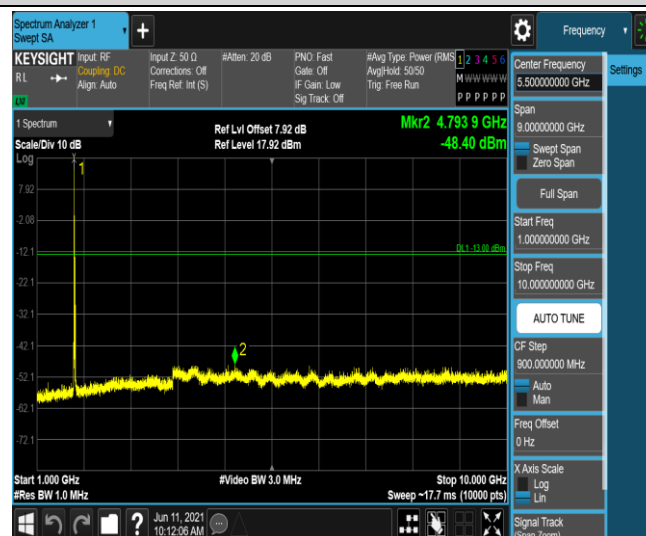
Band66-15MHz-16QAM-132047-1RB#0-Range2:0.15~30MHz



Band66-15MHz-16QAM-132047-1RB#0-Range3:30~1000MHz



Band66-15MHz-16QAM-132047-1RB#0-Range4:1000~10000MHz



Band66-15MHz-16QAM-132322-1RB#0-Range1:0.009~0.15MHz



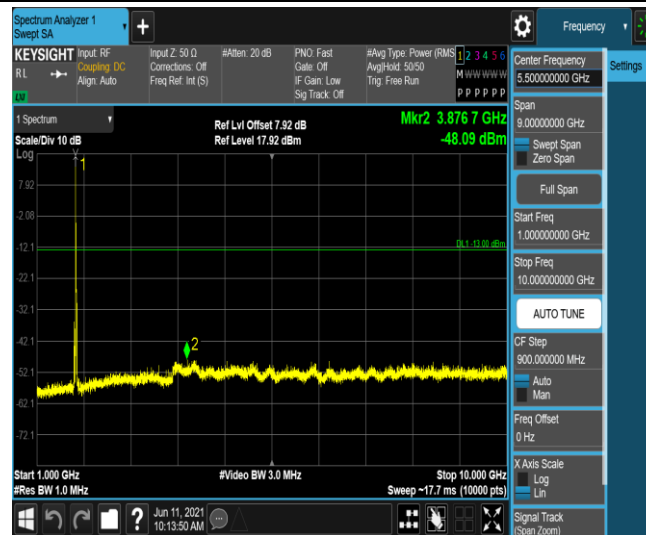
Band66-15MHz-16QAM-132322-1RB#0-Range2:0.15~30MHz



Band66-15MHz-16QAM-132322-1RB#0-Range3:30~1000MHz



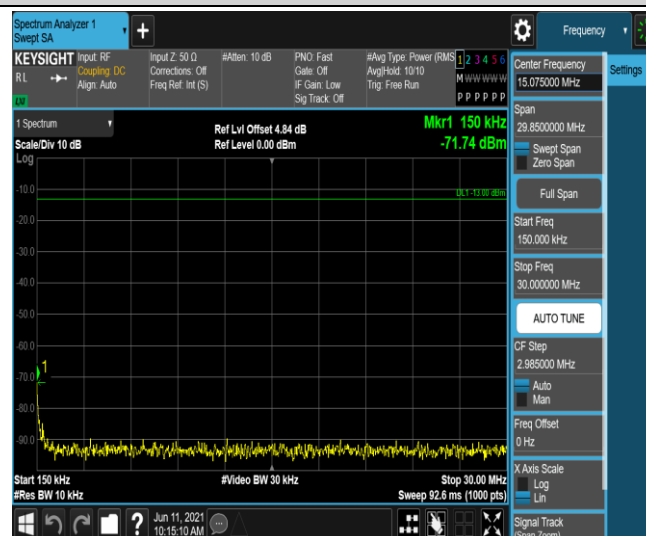
Band66-15MHz-16QAM-132322-1RB#0-Range4:1000~10000MHz



Band66-15MHz-16QAM-132597-1RB#0-Range1:0.009~0.15MHz



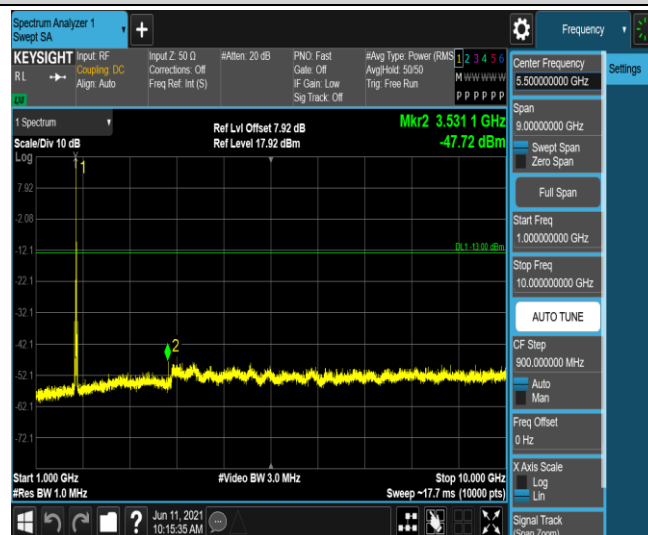
Band66-15MHz-16QAM-132597-1RB#0-Range2:0.15~30MHz



Band66-15MHz-16QAM-132597-1RB#0-Range3:30~1000MHz



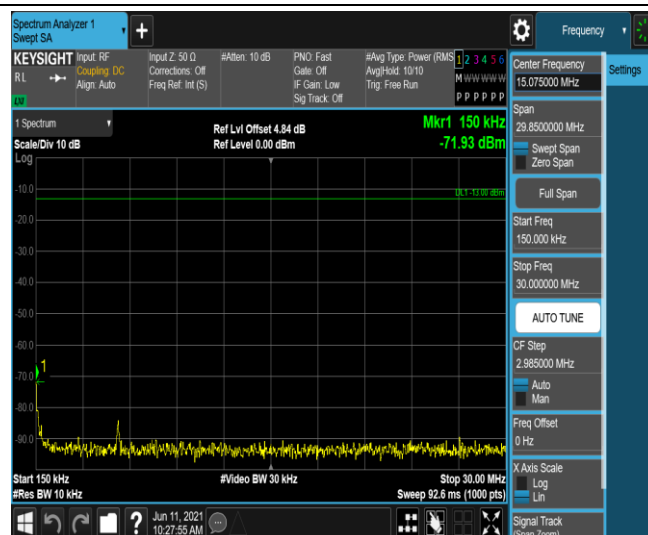
Band66-15MHz-16QAM-132597-1RB#0-Range4:1000~10000MHz



Band66-20MHz-QPSK-132072-1RB#0-Range1:0.009~0.15MHz



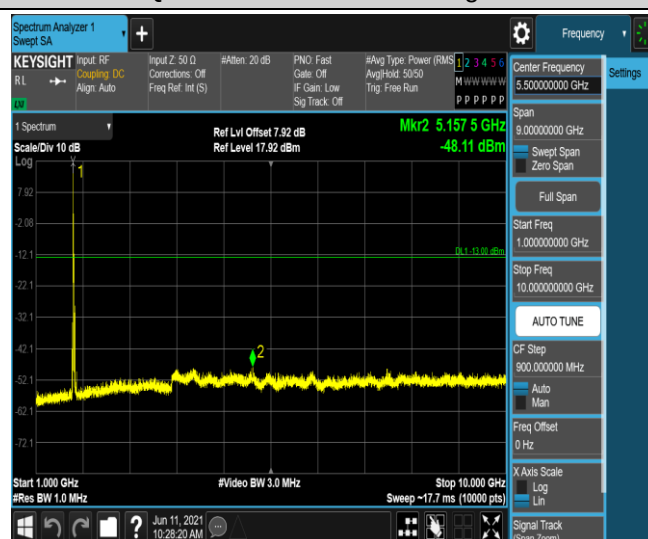
Band66-20MHz-QPSK-132072-1RB#0-Range2:0.15~30MHz



Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



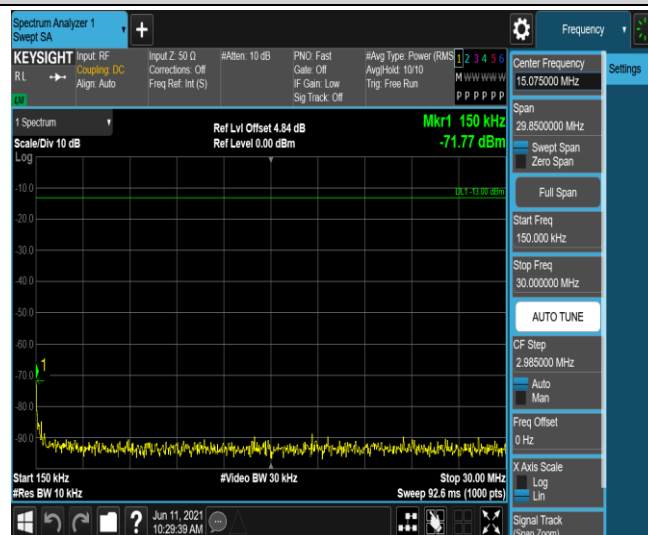
Band66-20MHz-QPSK-132072-1RB#0-Range4:1000~10000MHz



Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



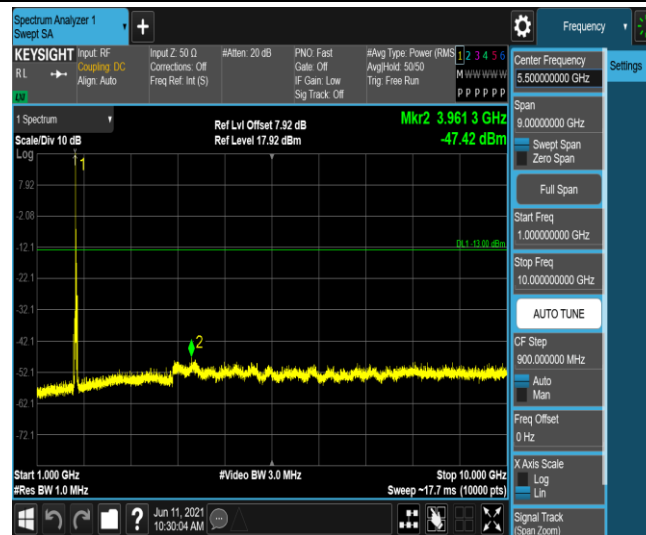
Band66-20MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



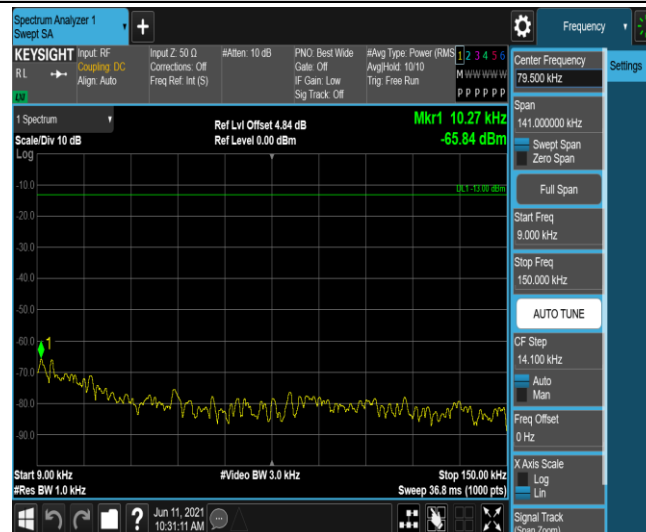
Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~10000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



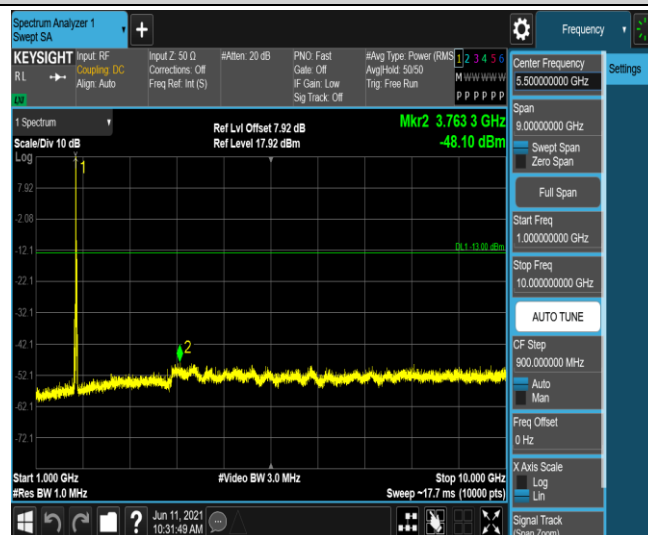
Band66-20MHz-QPSK-132572-1RB#0-Range2:0.15~30MHz



Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range4:1000~10000MHz



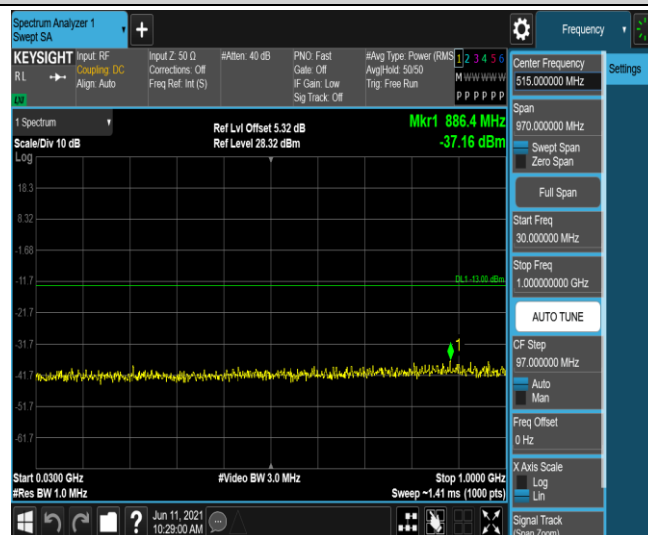
Band66-20MHz-16QAM-132072-1RB#0-Range1:0.009~0.15MHz



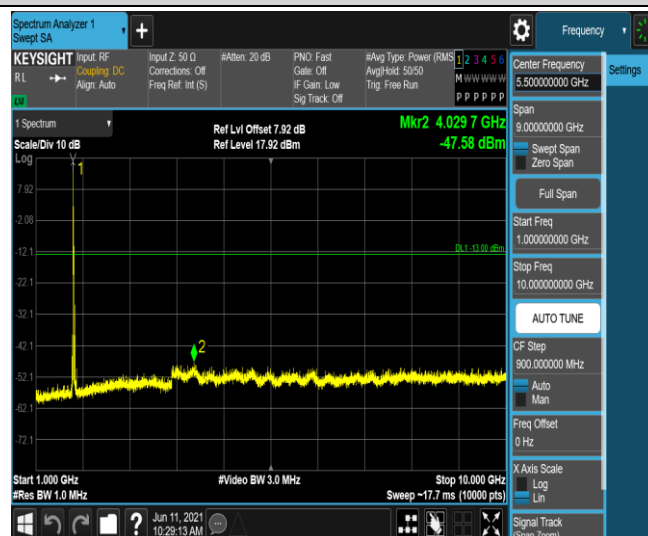
Band66-20MHz-16QAM-132072-1RB#0-Range2:0.15~30MHz



Band66-20MHz-16QAM-132072-1RB#0-Range3:30~1000MHz



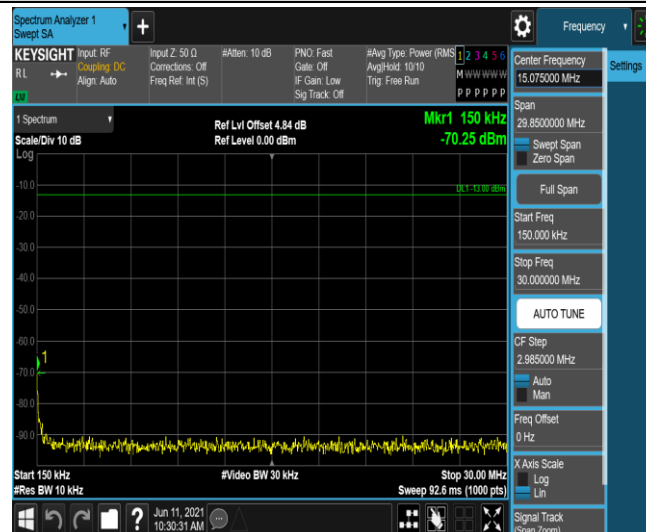
Band66-20MHz-16QAM-132072-1RB#0-Range4:1000~10000MHz



Band66-20MHz-16QAM-132322-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-16QAM-132322-1RB#0-Range2:0.15~30MHz



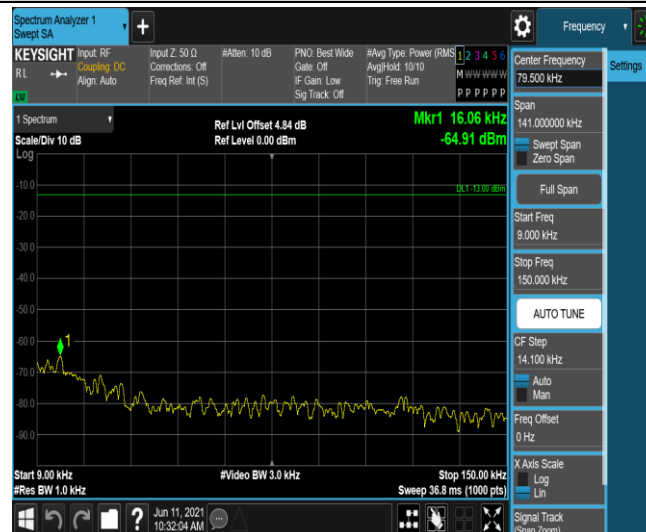
Band66-20MHz-16QAM-132322-1RB#0-Range3:30~1000MHz



Band66-20MHz-16QAM-132322-1RB#0-Range4:1000~10000MHz



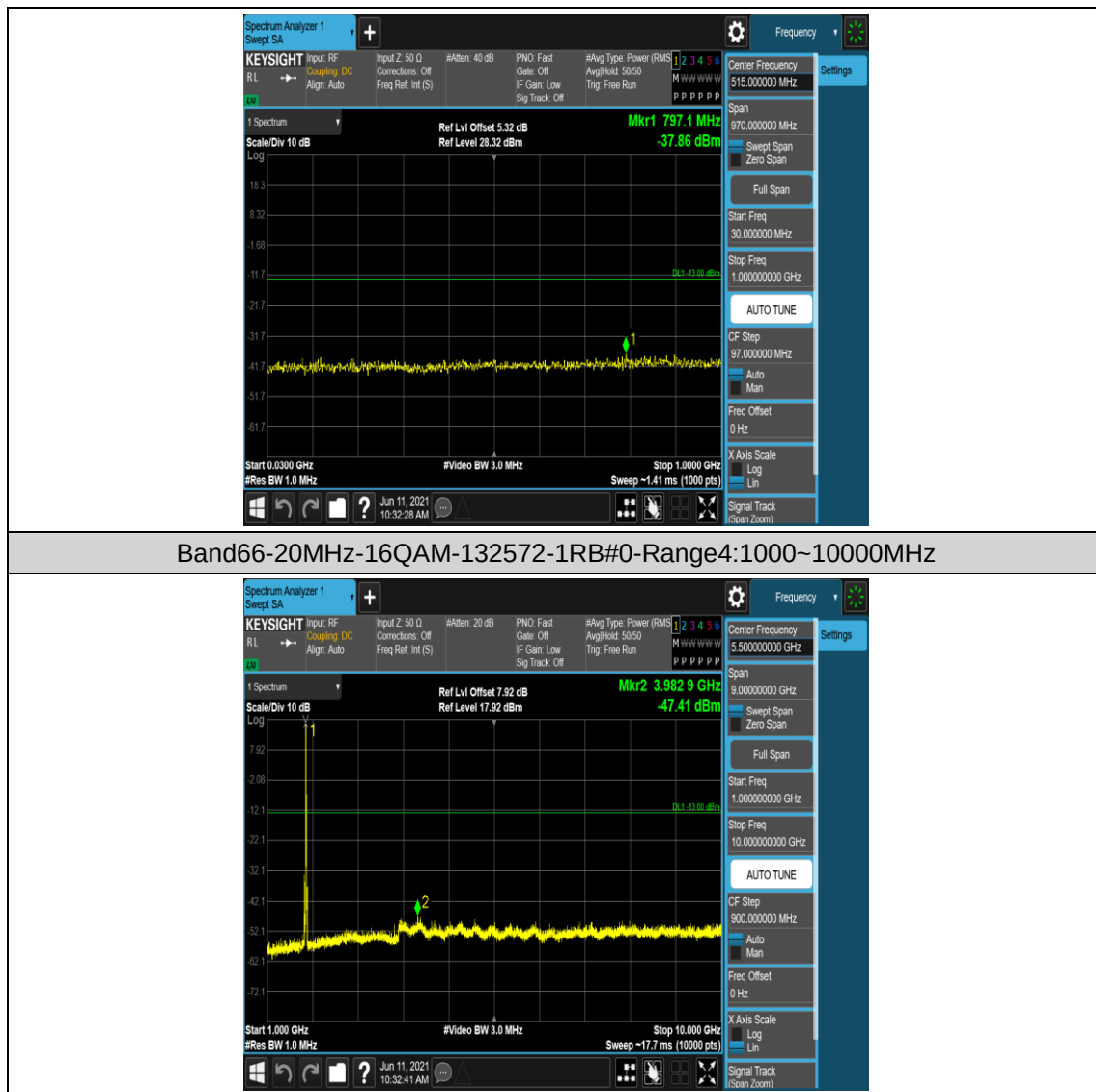
Band66-20MHz-16QAM-132572-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-16QAM-132572-1RB#0-Range2:0.15~30MHz



Band66-20MHz-16QAM-132572-1RB#0-Range3:30~1000MHz



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	2.37	0.001385	± 2.5	PASS
		VN	TN	2.72	0.001590	± 2.5	PASS
		VH	TN	4.34	0.002537	± 2.5	PASS
	MCH	VL	TN	3.92	0.002246	± 2.5	PASS
		VN	TN	-1.36	-0.000779	± 2.5	PASS
		VH	TN	1.85	0.001060	± 2.5	PASS
	HCH	VL	TN	-1.78	-0.001000	± 2.5	PASS
		VN	TN	4.29	0.002411	± 2.5	PASS
		VH	TN	-1.99	-0.001118	± 2.5	PASS
16QAM	LCH	VL	TN	1.47	0.000859	± 2.5	PASS
		VN	TN	4.12	0.002408	± 2.5	PASS
		VH	TN	0.6	0.000351	± 2.5	PASS
	MCH	VL	TN	2.2	0.001261	± 2.5	PASS
		VN	TN	-0.72	-0.000413	± 2.5	PASS
		VH	TN	3.97	0.002275	± 2.5	PASS
	HCH	VL	TN	3.92	0.002203	± 2.5	PASS
		VN	TN	-1.49	-0.000837	± 2.5	PASS
		VH	TN	1.15	0.000646	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.86	-0.000503	± 2.5	PASS
		VN	-20	-0.81	-0.000473	± 2.5	PASS
		VN	-10	-1.48	-0.000865	± 2.5	PASS
		VN	0	0.45	0.000263	± 2.5	PASS
		VN	10	3.27	0.001911	± 2.5	PASS
		VN	20	2.88	0.001684	± 2.5	PASS
		VN	30	-1.97	-0.001152	± 2.5	PASS
		VN	40	3.17	0.001853	± 2.5	PASS
		VN	50	0.5	0.000292	± 2.5	PASS
	MCH	VN	-30	3.02	0.001731	± 2.5	PASS

		VN	-20	2.35	0.001347	± 2.5	PASS
		VN	-10	1.78	0.001020	± 2.5	PASS
		VN	0	3.57	0.002046	± 2.5	PASS
		VN	10	4.57	0.002619	± 2.5	PASS
		VN	20	4.3	0.002464	± 2.5	PASS
		VN	30	2.98	0.001708	± 2.5	PASS
		VN	40	4.29	0.002458	± 2.5	PASS
		VN	50	-0.29	-0.000166	± 2.5	PASS
	HCH	VN	-30	1.31	0.000736	± 2.5	PASS
		VN	-20	1.31	0.000736	± 2.5	PASS
		VN	-10	-0.75	-0.000422	± 2.5	PASS
		VN	0	0.47	0.000264	± 2.5	PASS
		VN	10	2.59	0.001456	± 2.5	PASS
		VN	20	3.13	0.001759	± 2.5	PASS
		VN	30	-0.81	-0.000455	± 2.5	PASS
		VN	40	-0.36	-0.000202	± 2.5	PASS
		VN	50	3.46	0.001945	± 2.5	PASS
16QAM	LCH	VN	-30	1.04	0.000608	± 2.5	PASS
		VN	-20	4.23	0.002473	± 2.5	PASS
		VN	-10	4.97	0.002905	± 2.5	PASS
		VN	0	0.33	0.000193	± 2.5	PASS
		VN	10	-1.5	-0.000877	± 2.5	PASS
		VN	20	1.74	0.001017	± 2.5	PASS
		VN	30	3.6	0.002104	± 2.5	PASS
		VN	40	0.39	0.000228	± 2.5	PASS
		VN	50	0.07	0.000041	± 2.5	PASS
	MCH	VN	-30	1.46	0.000837	± 2.5	PASS
		VN	-20	4.75	0.002722	± 2.5	PASS
		VN	-10	4.44	0.002544	± 2.5	PASS
		VN	0	3.39	0.001943	± 2.5	PASS
		VN	10	0.1	0.000057	± 2.5	PASS
		VN	20	-0.73	-0.000418	± 2.5	PASS
		VN	30	4.4	0.002521	± 2.5	PASS
		VN	40	0.34	0.000195	± 2.5	PASS
		VN	50	4.61	0.002642	± 2.5	PASS
	HCH	VN	-30	1.18	0.000663	± 2.5	PASS
		VN	-20	-1.53	-0.000860	± 2.5	PASS
		VN	-10	4.24	0.002383	± 2.5	PASS
		VN	0	2.61	0.001467	± 2.5	PASS
		VN	10	2.37	0.001332	± 2.5	PASS
		VN	20	3.31	0.001860	± 2.5	PASS

		VN	30	3.04	0.001709	± 2.5	PASS
		VN	40	1.32	0.000742	± 2.5	PASS
		VN	50	-0.87	-0.000489	± 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	0.4	0.000234	± 2.5	PASS
		VN	TN	1.87	0.001093	± 2.5	PASS
		VH	TN	4.65	0.002717	± 2.5	PASS
	MCH	VL	TN	0.74	0.000424	± 2.5	PASS
		VN	TN	1.85	0.001060	± 2.5	PASS
		VH	TN	2.38	0.001364	± 2.5	PASS
	HCH	VL	TN	4.31	0.002422	± 2.5	PASS
		VN	TN	-0.01	-0.000006	± 2.5	PASS
		VH	TN	1.52	0.000854	± 2.5	PASS
16QAM	LCH	VL	TN	4.82	0.002816	± 2.5	PASS
		VN	TN	3.35	0.001957	± 2.5	PASS
		VH	TN	-0.71	-0.000415	± 2.5	PASS
	MCH	VL	TN	3.09	0.001771	± 2.5	PASS
		VN	TN	0.41	0.000235	± 2.5	PASS
		VH	TN	1.51	0.000865	± 2.5	PASS
	HCH	VL	TN	-1.97	-0.001107	± 2.5	PASS
		VN	TN	-0.09	-0.000051	± 2.5	PASS
		VH	TN	4.97	0.002793	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.85	0.002834	± 2.5	PASS
		VN	-20	4	0.002337	± 2.5	PASS
		VN	-10	-0.77	-0.000450	± 2.5	PASS
		VN	0	0.41	0.000240	± 2.5	PASS
		VN	10	3.01	0.001759	± 2.5	PASS
		VN	20	2.69	0.001572	± 2.5	PASS
		VN	30	2.31	0.001350	± 2.5	PASS
		VN	40	0.29	0.000169	± 2.5	PASS
		VN	50	0.95	0.000555	± 2.5	PASS
	MCH	VN	-30	-1.24	-0.000711	± 2.5	PASS
		VN	-20	3.57	0.002046	± 2.5	PASS

		VN	-10	3.9	0.002235	± 2.5	PASS
		VN	0	-0.11	-0.000063	± 2.5	PASS
		VN	10	-0.27	-0.000155	± 2.5	PASS
		VN	20	2.6	0.001490	± 2.5	PASS
		VN	30	1.3	0.000745	± 2.5	PASS
		VN	40	0.75	0.000430	± 2.5	PASS
		VN	50	3.68	0.002109	± 2.5	PASS
	HCH	VN	-30	1.23	0.000691	± 2.5	PASS
		VN	-20	-0.24	-0.000135	± 2.5	PASS
		VN	-10	2.76	0.001551	± 2.5	PASS
		VN	0	2.64	0.001484	± 2.5	PASS
		VN	10	4.62	0.002597	± 2.5	PASS
		VN	20	-1.36	-0.000764	± 2.5	PASS
		VN	30	-1.72	-0.000967	± 2.5	PASS
		VN	40	-1.46	-0.000821	± 2.5	PASS
		VN	50	2.2	0.001236	± 2.5	PASS
16QAM	LCH	VN	-30	1.05	0.000613	± 2.5	PASS
		VN	-20	3.65	0.002133	± 2.5	PASS
		VN	-10	-0.45	-0.000263	± 2.5	PASS
		VN	0	2.52	0.001472	± 2.5	PASS
		VN	10	-0.81	-0.000473	± 2.5	PASS
		VN	20	-0.27	-0.000158	± 2.5	PASS
		VN	30	3.25	0.001899	± 2.5	PASS
		VN	40	-1.02	-0.000596	± 2.5	PASS
		VN	50	0.32	0.000187	± 2.5	PASS
	MCH	VN	-30	1.85	0.001060	± 2.5	PASS
		VN	-20	1.12	0.000642	± 2.5	PASS
		VN	-10	1.26	0.000722	± 2.5	PASS
		VN	0	0.37	0.000212	± 2.5	PASS
		VN	10	1.46	0.000837	± 2.5	PASS
		VN	20	-1.1	-0.000630	± 2.5	PASS
		VN	30	-1.29	-0.000739	± 2.5	PASS
		VN	40	-1.02	-0.000585	± 2.5	PASS
		VN	50	1.34	0.000768	± 2.5	PASS
	HCH	VN	-30	1.55	0.000871	± 2.5	PASS
		VN	-20	1.37	0.000770	± 2.5	PASS
		VN	-10	4.76	0.002675	± 2.5	PASS
		VN	0	4.7	0.002641	± 2.5	PASS
		VN	10	-1.36	-0.000764	± 2.5	PASS
		VN	20	4	0.002248	± 2.5	PASS
		VN	30	-1.73	-0.000972	± 2.5	PASS

		VN	40	4.41	0.002479	± 2.5	PASS
		VN	50	-1.42	-0.000798	± 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	3.85	0.002248	± 2.5	PASS
		VN	TN	2.55	0.001489	± 2.5	PASS
		VH	TN	0.46	0.000269	± 2.5	PASS
	MCH	VL	TN	2.96	0.001696	± 2.5	PASS
		VN	TN	3.15	0.001805	± 2.5	PASS
		VH	TN	-1.78	-0.001020	± 2.5	PASS
	HCH	VL	TN	0.66	0.000371	± 2.5	PASS
		VN	TN	-1.72	-0.000967	± 2.5	PASS
		VH	TN	-0.9	-0.000506	± 2.5	PASS
16QAM	LCH	VL	TN	-0.8	-0.000467	± 2.5	PASS
		VN	TN	-1.71	-0.000999	± 2.5	PASS
		VH	TN	-1.97	-0.001150	± 2.5	PASS
	MCH	VL	TN	1.32	0.000756	± 2.5	PASS
		VN	TN	-1.03	-0.000590	± 2.5	PASS
		VH	TN	4.84	0.002774	± 2.5	PASS
	HCH	VL	TN	-0.1	-0.000056	± 2.5	PASS
		VN	TN	0.05	0.000028	± 2.5	PASS
		VH	TN	4.96	0.002789	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.54	0.000899	± 2.5	PASS
		VN	-20	-1.6	-0.000934	± 2.5	PASS
		VN	-10	4.72	0.002756	± 2.5	PASS
		VN	0	2.1	0.001226	± 2.5	PASS
		VN	10	-1.02	-0.000596	± 2.5	PASS
		VN	20	-1.02	-0.000596	± 2.5	PASS
		VN	30	4.3	0.002511	± 2.5	PASS
		VN	40	-1.78	-0.001039	± 2.5	PASS
		VN	50	2.44	0.001425	± 2.5	PASS
	MCH	VN	-30	2.71	0.001553	± 2.5	PASS
		VN	-20	0.72	0.000413	± 2.5	PASS
		VN	-10	-0.66	-0.000378	± 2.5	PASS

		VN	0	4.03	0.002309	± 2.5	PASS
		VN	10	0.39	0.000223	± 2.5	PASS
		VN	20	2.55	0.001461	± 2.5	PASS
		VN	30	2.5	0.001433	± 2.5	PASS
		VN	40	1.2	0.000688	± 2.5	PASS
		VN	50	-0.42	-0.000241	± 2.5	PASS
	HCH	VN	-30	-0.3	-0.000169	± 2.5	PASS
		VN	-20	0.53	0.000298	± 2.5	PASS
		VN	-10	1.32	0.000742	± 2.5	PASS
		VN	0	4.01	0.002255	± 2.5	PASS
		VN	10	4.76	0.002676	± 2.5	PASS
		VN	20	1.16	0.000652	± 2.5	PASS
		VN	30	0.13	0.000073	± 2.5	PASS
		VN	40	-1.29	-0.000725	± 2.5	PASS
		VN	50	-0.57	-0.000320	± 2.5	PASS
16QAM	LCH	VN	-30	0.38	0.000222	± 2.5	PASS
		VN	-20	3.18	0.001857	± 2.5	PASS
		VN	-10	0.34	0.000199	± 2.5	PASS
		VN	0	1.59	0.000928	± 2.5	PASS
		VN	10	0.48	0.000280	± 2.5	PASS
		VN	20	2.43	0.001419	± 2.5	PASS
		VN	30	2.5	0.001460	± 2.5	PASS
		VN	40	3.84	0.002242	± 2.5	PASS
		VN	50	-0.63	-0.000368	± 2.5	PASS
	MCH	VN	-30	-0.01	-0.000006	± 2.5	PASS
		VN	-20	2.18	0.001249	± 2.5	PASS
		VN	-10	4.41	0.002527	± 2.5	PASS
		VN	0	-1.5	-0.000860	± 2.5	PASS
		VN	10	-1.97	-0.001129	± 2.5	PASS
		VN	20	0.88	0.000504	± 2.5	PASS
		VN	30	-0.66	-0.000378	± 2.5	PASS
		VN	40	3.13	0.001794	± 2.5	PASS
		VN	50	3.66	0.002097	± 2.5	PASS
	HCH	VN	-30	-1.2	-0.000675	± 2.5	PASS
		VN	-20	-1.33	-0.000748	± 2.5	PASS
		VN	-10	3.44	0.001934	± 2.5	PASS
		VN	0	0.23	0.000129	± 2.5	PASS
		VN	10	-1.42	-0.000798	± 2.5	PASS
		VN	20	2.05	0.001153	± 2.5	PASS
		VN	30	0.41	0.000231	± 2.5	PASS
		VN	40	-1.05	-0.000590	± 2.5	PASS

		VN	50	2.82	0.001586	± 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	1.44	0.000840	± 2.5	PASS
		VN	TN	-1.55	-0.000904	± 2.5	PASS
		VH	TN	-0.06	-0.000035	± 2.5	PASS
	MCH	VL	TN	-1.47	-0.000842	± 2.5	PASS
		VN	TN	3.06	0.001754	± 2.5	PASS
		VH	TN	2.25	0.001289	± 2.5	PASS
	HCH	VL	TN	0.56	0.000315	± 2.5	PASS
		VN	TN	-0.17	-0.000096	± 2.5	PASS
		VH	TN	-0.93	-0.000523	± 2.5	PASS
16QAM	LCH	VL	TN	4.77	0.002781	± 2.5	PASS
		VN	TN	-1.48	-0.000863	± 2.5	PASS
		VH	TN	2.61	0.001522	± 2.5	PASS
	MCH	VL	TN	2.2	0.001261	± 2.5	PASS
		VN	TN	-1.91	-0.001095	± 2.5	PASS
		VH	TN	2.53	0.001450	± 2.5	PASS
	HCH	VL	TN	-0.01	-0.000006	± 2.5	PASS
		VN	TN	-0.05	-0.000028	± 2.5	PASS
		VH	TN	0.3	0.000169	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.41	0.001988	± 2.5	PASS
		VN	-20	4.52	0.002636	± 2.5	PASS
		VN	-10	-1.32	-0.000770	± 2.5	PASS
		VN	0	-0.03	-0.000017	± 2.5	PASS
		VN	10	3.02	0.001761	± 2.5	PASS
		VN	20	1.71	0.000997	± 2.5	PASS
		VN	30	2.97	0.001732	± 2.5	PASS
		VN	40	-1.63	-0.000950	± 2.5	PASS
		VN	50	-1.94	-0.001131	± 2.5	PASS
	MCH	VN	-30	4.34	0.002487	± 2.5	PASS
		VN	-20	-0.4	-0.000229	± 2.5	PASS
		VN	-10	-1.18	-0.000676	± 2.5	PASS
		VN	0	-0.55	-0.000315	± 2.5	PASS

		VN	10	-1.88	-0.001077	± 2.5	PASS
		VN	20	3.8	0.002178	± 2.5	PASS
		VN	30	-1.2	-0.000688	± 2.5	PASS
		VN	40	3.47	0.001989	± 2.5	PASS
		VN	50	-1.69	-0.000968	± 2.5	PASS
	HCH	VN	-30	2.33	0.001311	± 2.5	PASS
		VN	-20	1.23	0.000692	± 2.5	PASS
		VN	-10	0.77	0.000433	± 2.5	PASS
		VN	0	1.46	0.000821	± 2.5	PASS
		VN	10	2.29	0.001288	± 2.5	PASS
		VN	20	-0.03	-0.000017	± 2.5	PASS
		VN	30	-1.17	-0.000658	± 2.5	PASS
		VN	40	1.21	0.000681	± 2.5	PASS
		VN	50	1.38	0.000776	± 2.5	PASS
		VN	-30	0.28	0.000163	± 2.5	PASS
16QAM	LCH	VN	-20	4.18	0.002437	± 2.5	PASS
		VN	-10	0.87	0.000507	± 2.5	PASS
		VN	0	0.63	0.000367	± 2.5	PASS
		VN	10	0.75	0.000437	± 2.5	PASS
		VN	20	-1.33	-0.000776	± 2.5	PASS
		VN	30	0.2	0.000117	± 2.5	PASS
		VN	40	-1.22	-0.000711	± 2.5	PASS
		VN	50	3.97	0.002315	± 2.5	PASS
	MCH	VN	-30	0.45	0.000258	± 2.5	PASS
		VN	-20	0.34	0.000195	± 2.5	PASS
		VN	-10	-1.83	-0.001049	± 2.5	PASS
		VN	0	0.44	0.000252	± 2.5	PASS
		VN	10	0.25	0.000143	± 2.5	PASS
		VN	20	0.76	0.000436	± 2.5	PASS
		VN	30	3.63	0.002080	± 2.5	PASS
		VN	40	2.79	0.001599	± 2.5	PASS
		VN	50	-0.53	-0.000304	± 2.5	PASS
	HCH	VN	-30	2.3	0.001294	± 2.5	PASS
		VN	-20	1.19	0.000669	± 2.5	PASS
		VN	-10	2.11	0.001187	± 2.5	PASS
		VN	0	3.09	0.001738	± 2.5	PASS
		VN	10	-1.57	-0.000883	± 2.5	PASS
		VN	20	4	0.002250	± 2.5	PASS
		VN	30	0.89	0.000501	± 2.5	PASS
		VN	40	0.97	0.000546	± 2.5	PASS
		VN	50	1.27	0.000714	± 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	2.86	0.001665	± 2.5	PASS
		VN	TN	4.89	0.002847	± 2.5	PASS
		VH	TN	1.46	0.000850	± 2.5	PASS
	MCH	VL	TN	-1.14	-0.000653	± 2.5	PASS
		VN	TN	-1.41	-0.000808	± 2.5	PASS
		VH	TN	-1.98	-0.001135	± 2.5	PASS
	HCH	VL	TN	-0.06	-0.000034	± 2.5	PASS
		VN	TN	0.31	0.000175	± 2.5	PASS
		VH	TN	0.56	0.000315	± 2.5	PASS
16QAM	LCH	VL	TN	-1.95	-0.001135	± 2.5	PASS
		VN	TN	1.1	0.000640	± 2.5	PASS
		VH	TN	3.45	0.002009	± 2.5	PASS
	MCH	VL	TN	0.98	0.000562	± 2.5	PASS
		VN	TN	-1.7	-0.000974	± 2.5	PASS
		VH	TN	1.96	0.001123	± 2.5	PASS
	HCH	VL	TN	4.77	0.002687	± 2.5	PASS
		VN	TN	-0.37	-0.000208	± 2.5	PASS
		VH	TN	2.22	0.001251	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.35	-0.000786	± 2.5	PASS
		VN	-20	-0.28	-0.000163	± 2.5	PASS
		VN	-10	-1.82	-0.001060	± 2.5	PASS
		VN	0	3.84	0.002236	± 2.5	PASS
		VN	10	-0.41	-0.000239	± 2.5	PASS
		VN	20	-0.45	-0.000262	± 2.5	PASS
		VN	30	2.3	0.001339	± 2.5	PASS
		VN	40	3.07	0.001787	± 2.5	PASS
		VN	50	4.94	0.002876	± 2.5	PASS
	MCH	VN	-30	3.25	0.001862	± 2.5	PASS
		VN	-20	-1.59	-0.000911	± 2.5	PASS
		VN	-10	0.4	0.000229	± 2.5	PASS
		VN	0	-0.97	-0.000556	± 2.5	PASS
		VN	10	-1.03	-0.000590	± 2.5	PASS

		VN	20	1.87	0.001072	± 2.5	PASS
		VN	30	3.61	0.002069	± 2.5	PASS
		VN	40	0.62	0.000355	± 2.5	PASS
		VN	50	2.35	0.001347	± 2.5	PASS
	HCH	VN	-30	1.41	0.000794	± 2.5	PASS
		VN	-20	-0.36	-0.000203	± 2.5	PASS
		VN	-10	-1.12	-0.000631	± 2.5	PASS
		VN	0	2.96	0.001668	± 2.5	PASS
		VN	10	-1.42	-0.000800	± 2.5	PASS
		VN	20	3.59	0.002023	± 2.5	PASS
		VN	30	-0.89	-0.000501	± 2.5	PASS
		VN	40	-1.84	-0.001037	± 2.5	PASS
		VN	50	-0.56	-0.000315	± 2.5	PASS
		VN	-30	2.14	0.001246	± 2.5	PASS
		VN	-20	1.69	0.000984	± 2.5	PASS
		VN	-10	3.63	0.002114	± 2.5	PASS
16QAM	LCH	VN	0	4.82	0.002806	± 2.5	PASS
		VN	10	-1.27	-0.000739	± 2.5	PASS
		VN	20	1.85	0.001077	± 2.5	PASS
		VN	30	0.22	0.000128	± 2.5	PASS
		VN	40	1.27	0.000739	± 2.5	PASS
		VN	50	0.59	0.000344	± 2.5	PASS
	MCH	VN	-30	-1.18	-0.000676	± 2.5	PASS
		VN	-20	-0.39	-0.000223	± 2.5	PASS
		VN	-10	-1.42	-0.000814	± 2.5	PASS
		VN	0	-1.41	-0.000808	± 2.5	PASS
		VN	10	3.98	0.002281	± 2.5	PASS
		VN	20	4.11	0.002355	± 2.5	PASS
		VN	30	2.28	0.001307	± 2.5	PASS
		VN	40	2.54	0.001456	± 2.5	PASS
		VN	50	2.59	0.001484	± 2.5	PASS
	HCH	VN	-30	3.75	0.002113	± 2.5	PASS
		VN	-20	-1.46	-0.000823	± 2.5	PASS
		VN	-10	0.95	0.000535	± 2.5	PASS
		VN	0	1.21	0.000682	± 2.5	PASS
		VN	10	3.94	0.002220	± 2.5	PASS
		VN	20	3.37	0.001899	± 2.5	PASS
		VN	30	-0.42	-0.000237	± 2.5	PASS
		VN	40	0.87	0.000490	± 2.5	PASS
		VN	50	1.47	0.000828	± 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	-0.9	-0.000523	± 2.5	PASS
		VN	TN	0.25	0.000145	± 2.5	PASS
		VH	TN	0.63	0.000366	± 2.5	PASS
	MCH	VL	TN	-1.16	-0.000665	± 2.5	PASS
		VN	TN	0.92	0.000527	± 2.5	PASS
		VH	TN	3.47	0.001989	± 2.5	PASS
	HCH	VL	TN	-1.83	-0.001032	± 2.5	PASS
		VN	TN	-1.63	-0.000920	± 2.5	PASS
		VH	TN	2.02	0.001140	± 2.5	PASS
16QAM	LCH	VL	TN	-1.52	-0.000884	± 2.5	PASS
		VN	TN	4.72	0.002744	± 2.5	PASS
		VH	TN	2.86	0.001663	± 2.5	PASS
	MCH	VL	TN	-1.34	-0.000768	± 2.5	PASS
		VN	TN	0.72	0.000413	± 2.5	PASS
		VH	TN	1.08	0.000619	± 2.5	PASS
	HCH	VL	TN	0.88	0.000496	± 2.5	PASS
		VN	TN	1.95	0.001100	± 2.5	PASS
		VH	TN	3.83	0.002161	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.47	-0.000273	± 2.5	PASS
		VN	-20	4.65	0.002703	± 2.5	PASS
		VN	-10	3.72	0.002163	± 2.5	PASS
		VN	0	4.03	0.002343	± 2.5	PASS
		VN	10	3.02	0.001756	± 2.5	PASS
		VN	20	-1.06	-0.000616	± 2.5	PASS
		VN	30	2.71	0.001576	± 2.5	PASS
		VN	40	1.76	0.001023	± 2.5	PASS
		VN	50	-0.09	-0.000052	± 2.5	PASS
	MCH	VN	-30	0.18	0.000103	± 2.5	PASS
		VN	-20	4.19	0.002401	± 2.5	PASS
		VN	-10	3.13	0.001794	± 2.5	PASS
		VN	0	3.43	0.001966	± 2.5	PASS
		VN	10	-1.64	-0.000940	± 2.5	PASS
		VN	20	4.37	0.002504	± 2.5	PASS

		VN	30	0.23	0.000132	± 2.5	PASS
		VN	40	-1.05	-0.000602	± 2.5	PASS
		VN	50	1.86	0.001066	± 2.5	PASS
	HCH	VN	-30	1.51	0.000852	± 2.5	PASS
		VN	-20	-0.02	-0.000011	± 2.5	PASS
		VN	-10	0.14	0.000079	± 2.5	PASS
		VN	0	0.05	0.000028	± 2.5	PASS
		VN	10	1.58	0.000891	± 2.5	PASS
		VN	20	-0.95	-0.000536	± 2.5	PASS
		VN	30	3.85	0.002172	± 2.5	PASS
		VN	40	1.57	0.000886	± 2.5	PASS
		VN	50	-0.1	-0.000056	± 2.5	PASS
16QAM	LCH	VN	-30	0.99	0.000576	± 2.5	PASS
		VN	-20	4.28	0.002488	± 2.5	PASS
		VN	-10	1.69	0.000983	± 2.5	PASS
		VN	0	0.55	0.000320	± 2.5	PASS
		VN	10	4	0.002326	± 2.5	PASS
		VN	20	-1.09	-0.000634	± 2.5	PASS
		VN	30	4.54	0.002640	± 2.5	PASS
		VN	40	3.99	0.002320	± 2.5	PASS
		VN	50	3.99	0.002320	± 2.5	PASS
	MCH	VN	-30	4.74	0.002716	± 2.5	PASS
		VN	-20	2.78	0.001593	± 2.5	PASS
		VN	-10	2.39	0.001370	± 2.5	PASS
		VN	0	2.6	0.001490	± 2.5	PASS
		VN	10	1.41	0.000808	± 2.5	PASS
		VN	20	-0.44	-0.000252	± 2.5	PASS
		VN	30	4.84	0.002774	± 2.5	PASS
		VN	40	3.04	0.001742	± 2.5	PASS
		VN	50	1.6	0.000917	± 2.5	PASS
	HCH	VN	-30	1.05	0.000592	± 2.5	PASS
		VN	-20	2.53	0.001427	± 2.5	PASS
		VN	-10	3.59	0.002025	± 2.5	PASS
		VN	0	3.4	0.001918	± 2.5	PASS
		VN	10	-0.86	-0.000485	± 2.5	PASS
		VN	20	1.17	0.000660	± 2.5	PASS
		VN	30	0.43	0.000243	± 2.5	PASS
		VN	40	0.21	0.000118	± 2.5	PASS
		VN	50	3.78	0.002133	± 2.5	PASS