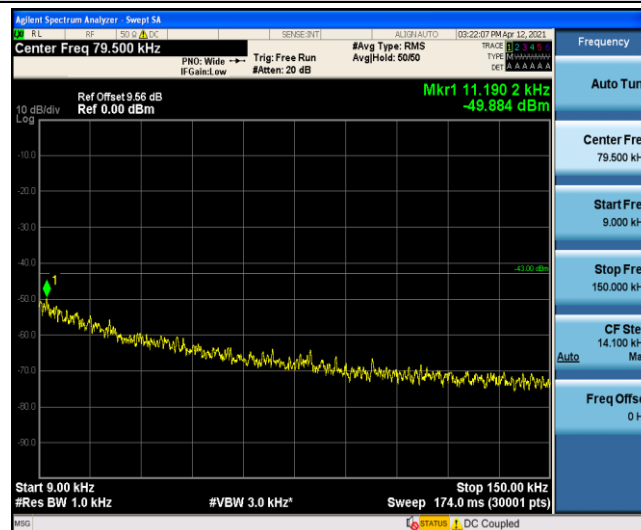
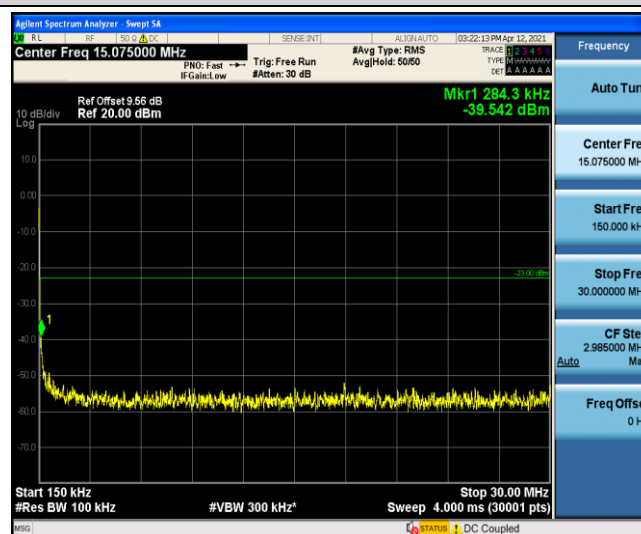




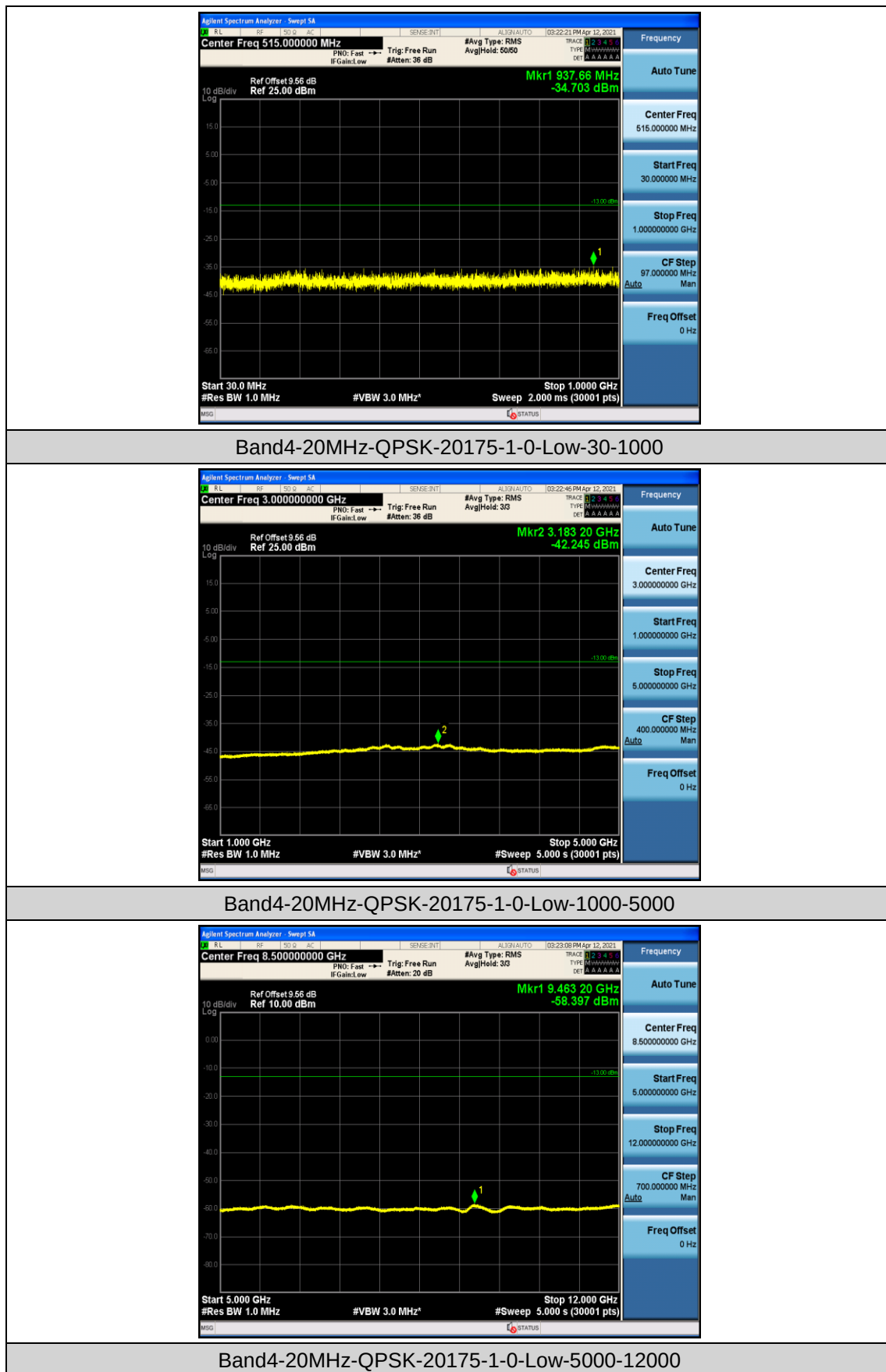
Band4-20MHz-QPSK-20050-1-0-Low-12000-26500



Band4-20MHz-QPSK-20175-1-0-Low-0.009-0.15

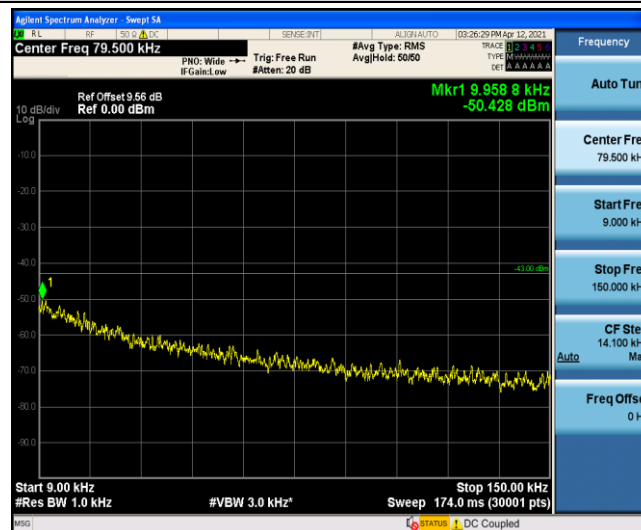


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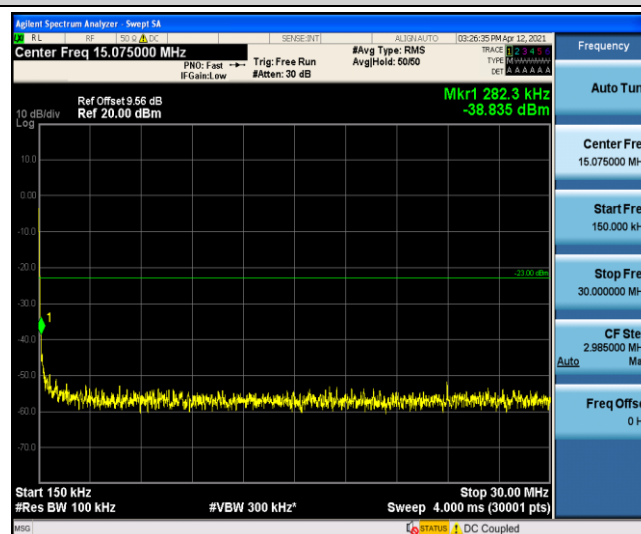




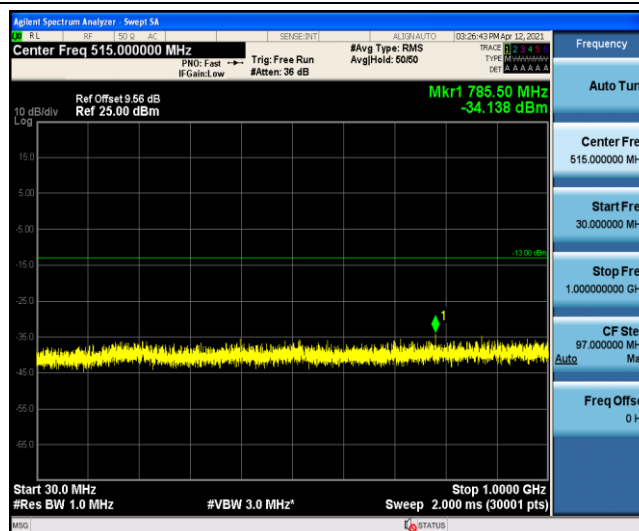
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Band4-20MHz-QPSK-20300-1-0-High-0.009-0.15



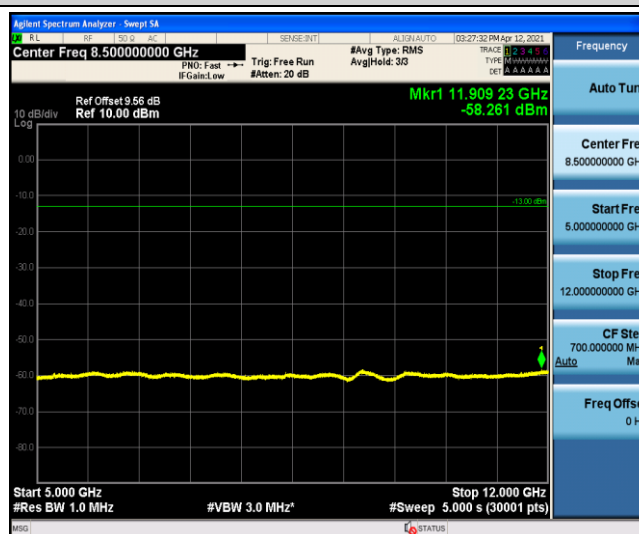
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Band4-20MHz-QPSK-20300-1-0-High-30-1000



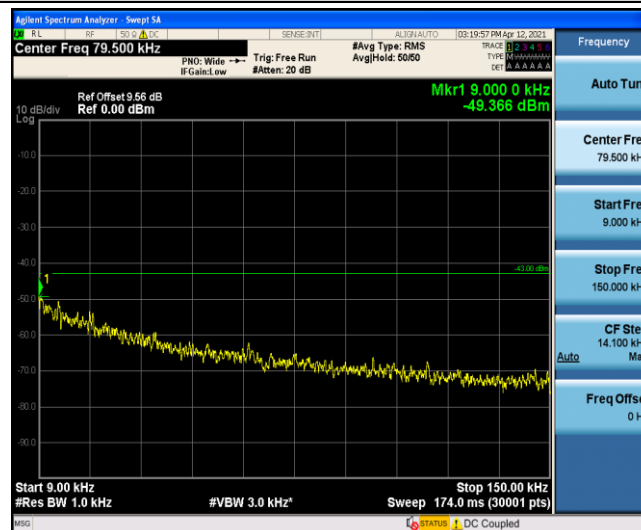
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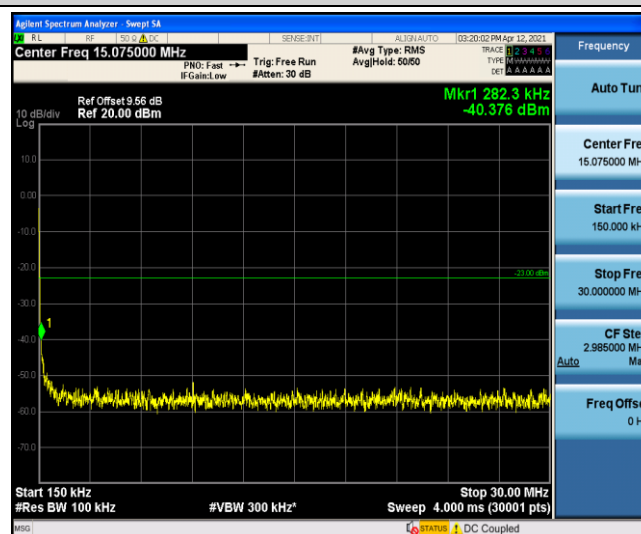
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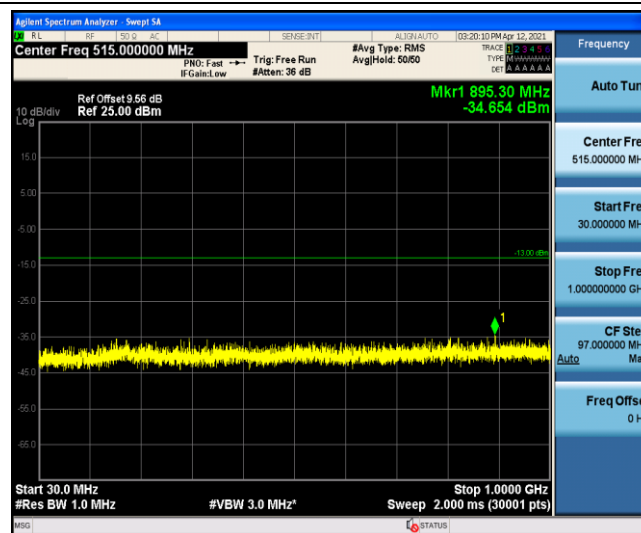
Band4-20MHz-QPSK-20300-1-0-High-12000-26500



Band4-20MHz-16QAM-20050-1-0-Low-0.009-0.15



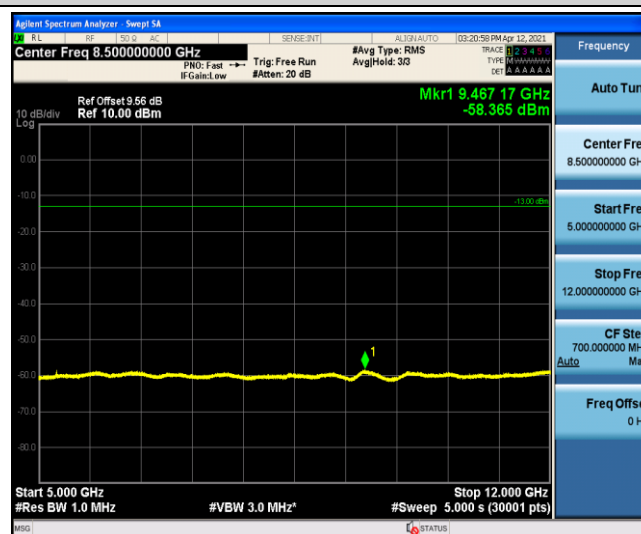
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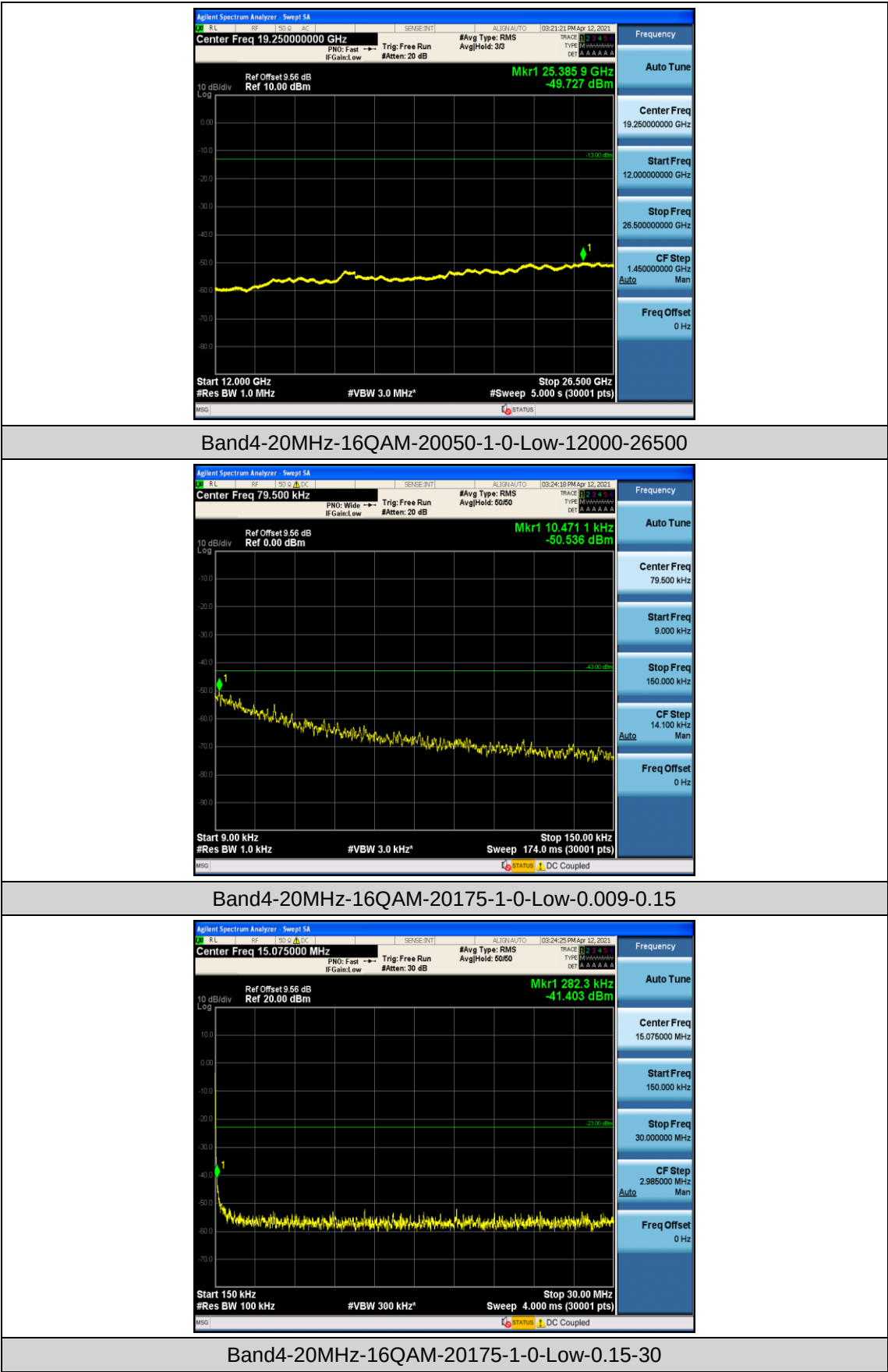
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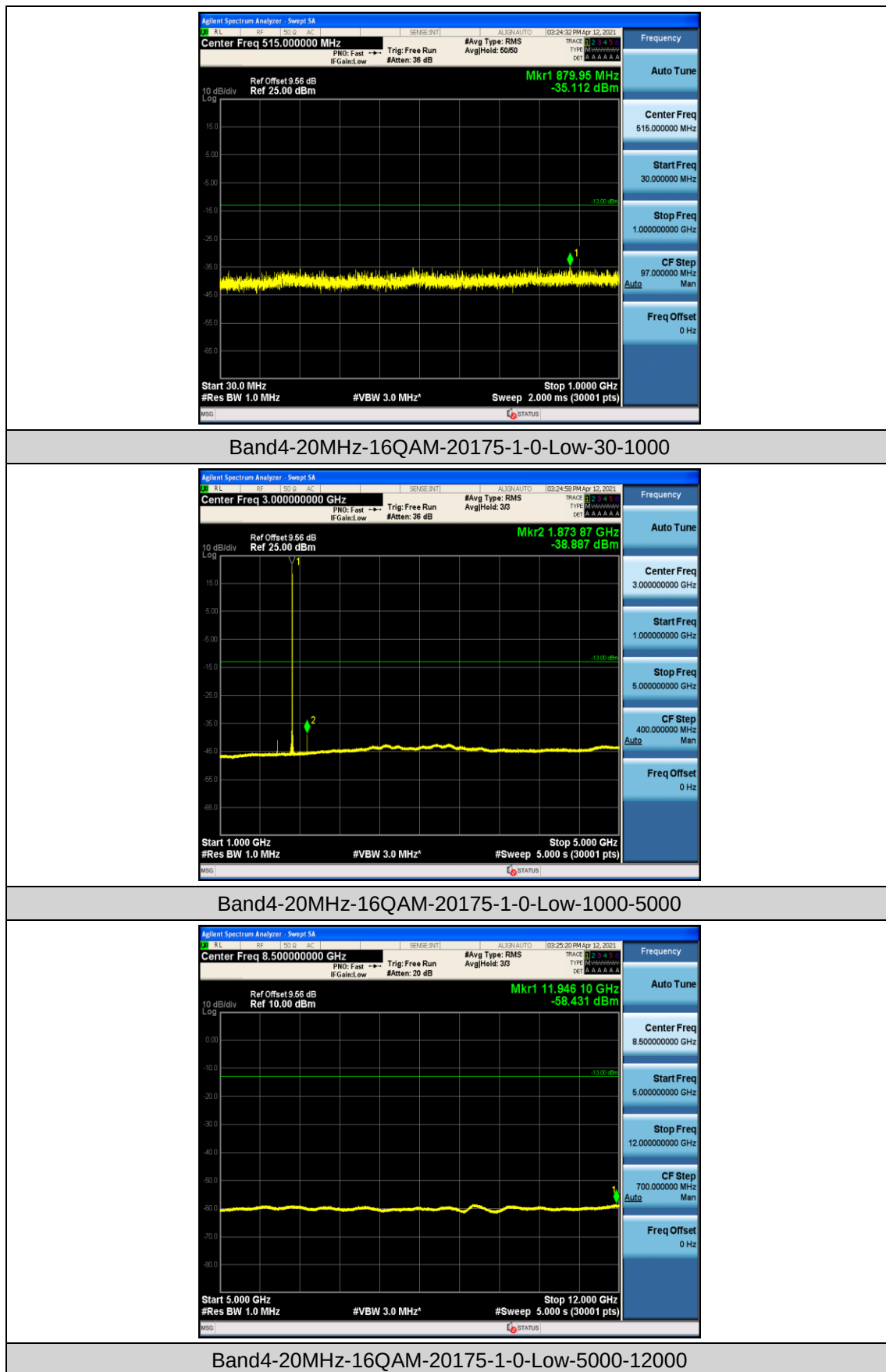


Band4-20MHz-16QAM-20050-1-0-Low-1000-5000



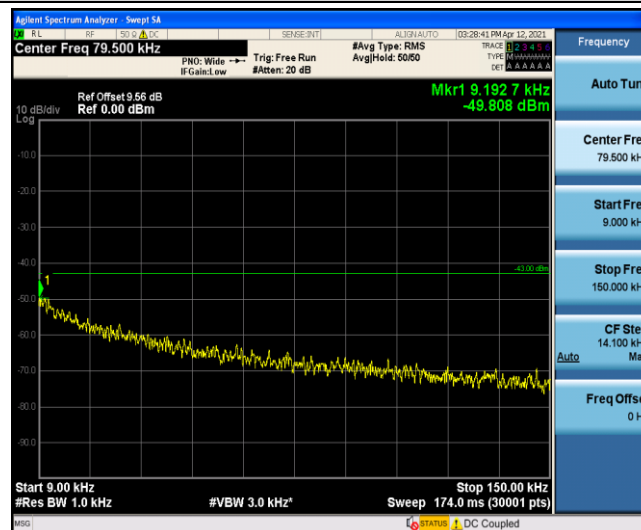
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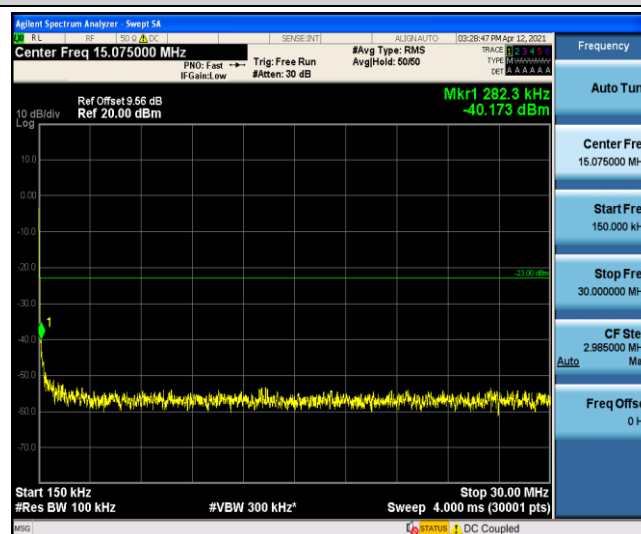




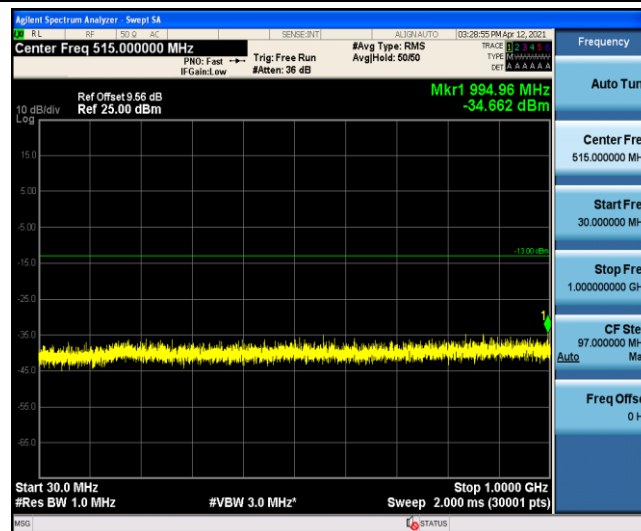
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Band4-20MHz-16QAM-20300-1-0-High-0.009-0.15



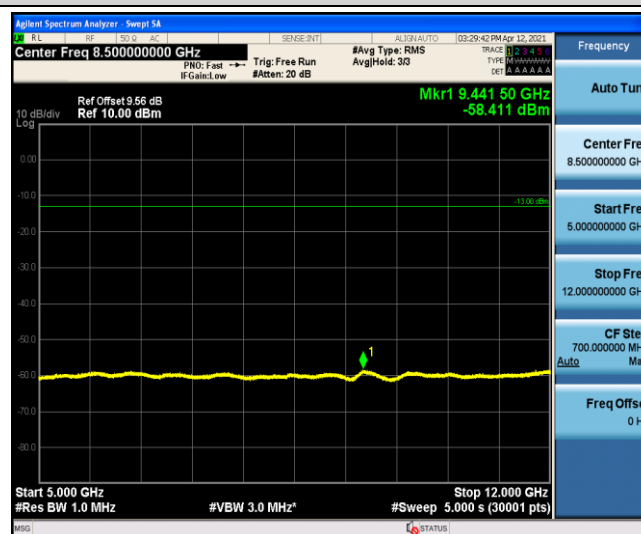
Band4-20MHz-16QAM-20300-1-0-High-0.15-30



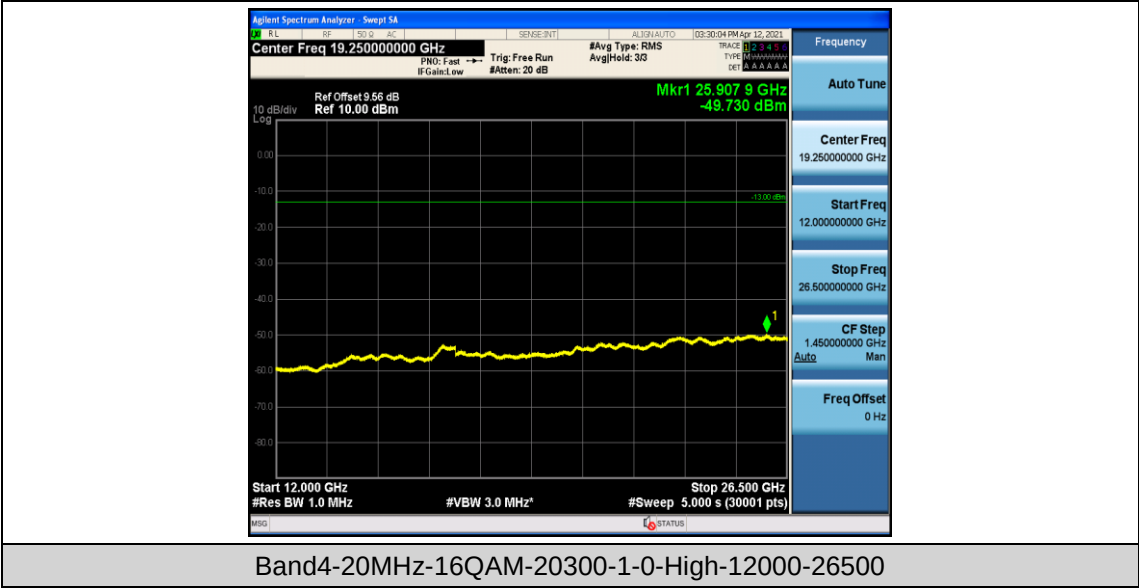
Band4-20MHz-16QAM-20300-1-0-High-30-1000



Band4-20MHz-16QAM-20300-1-0-High-1000-5000



Band4-20MHz-16QAM-20300-1-0-High-5000-12000



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	1.95	0.001140	± 2.5	PASS
		VN	TN	-1.46	-0.000853	± 2.5	PASS
		VH	TN	-0.32	-0.000187	± 2.5	PASS
	MCH	VL	TN	2.37	0.001368	± 2.5	PASS
		VN	TN	2.43	0.001403	± 2.5	PASS
		VH	TN	0	0.000000	± 2.5	PASS
	HCH	VL	TN	4.47	0.002548	± 2.5	PASS
		VN	TN	4.05	0.002309	± 2.5	PASS
		VH	TN	1.76	0.001003	± 2.5	PASS
16QAM	LCH	VL	TN	-1.29	-0.000754	± 2.5	PASS
		VN	TN	4.7	0.002747	± 2.5	PASS
		VH	TN	-1.72	-0.001005	± 2.5	PASS
	MCH	VL	TN	4.35	0.002511	± 2.5	PASS
		VN	TN	1.39	0.000802	± 2.5	PASS
		VH	TN	4.81	0.002776	± 2.5	PASS
	HCH	VL	TN	2.93	0.001670	± 2.5	PASS
		VN	TN	3.31	0.001887	± 2.5	PASS
		VH	TN	-0.13	-0.000074	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.24	0.000725	± 2.5	PASS
		VN	-20	4.7	0.002747	± 2.5	PASS
		VN	-10	0.74	0.000433	± 2.5	PASS
		VN	0	0.34	0.000199	± 2.5	PASS
		VN	10	-1.69	-0.000988	± 2.5	PASS
		VN	20	1.6	0.000935	± 2.5	PASS
		VN	30	2.92	0.001707	± 2.5	PASS
		VN	40	2.19	0.001280	± 2.5	PASS
		VN	50	2.23	0.001304	± 2.5	PASS
	MCH	VN	-30	2.24	0.001293	± 2.5	PASS

		VN	-20	3.3	0.001905	± 2.5	PASS
		VN	-10	1.21	0.000698	± 2.5	PASS
		VN	0	1.62	0.000935	± 2.5	PASS
		VN	10	4.7	0.002713	± 2.5	PASS
		VN	20	4.46	0.002574	± 2.5	PASS
		VN	30	-1.15	-0.000664	± 2.5	PASS
		VN	40	1.64	0.000947	± 2.5	PASS
		VN	50	3.47	0.002003	± 2.5	PASS
	HCH	VN	-30	-0.34	-0.000194	± 2.5	PASS
		VN	-20	-0.46	-0.000262	± 2.5	PASS
		VN	-10	2.01	0.001146	± 2.5	PASS
		VN	0	3.39	0.001932	± 2.5	PASS
		VN	10	-1.92	-0.001094	± 2.5	PASS
		VN	20	2.54	0.001448	± 2.5	PASS
		VN	30	1.44	0.000821	± 2.5	PASS
		VN	40	-1.85	-0.001055	± 2.5	PASS
16QAM	LCH	VN	50	0.91	0.000519	± 2.5	PASS
		VN	-30	2.65	0.001549	± 2.5	PASS
		VN	-20	3.07	0.001795	± 2.5	PASS
		VN	-10	1.46	0.000853	± 2.5	PASS
		VN	0	0.89	0.000520	± 2.5	PASS
		VN	10	-1.12	-0.000655	± 2.5	PASS
		VN	20	1.83	0.001070	± 2.5	PASS
		VN	30	-0.4	-0.000234	± 2.5	PASS
		VN	40	3.14	0.001836	± 2.5	PASS
	MCH	VN	50	1.19	0.000696	± 2.5	PASS
		VN	-30	4.68	0.002668	± 2.5	PASS
		VN	-20	-1.34	-0.000764	± 2.5	PASS
		VN	-10	3.2	0.001824	± 2.5	PASS
		VN	0	0.49	0.000279	± 2.5	PASS
		VN	10	0.53	0.000302	± 2.5	PASS
		VN	20	3.6	0.002052	± 2.5	PASS
		VN	30	4.25	0.002423	± 2.5	PASS
		VN	40	2.75	0.001568	± 2.5	PASS
	HCH	VN	50	0.14	0.000080	± 2.5	PASS
		VN	-30	3.65	0.002081	± 2.5	PASS
		VN	-20	0.48	0.000274	± 2.5	PASS
		VN	-10	-0.87	-0.000496	± 2.5	PASS
		VN	0	0.29	0.000165	± 2.5	PASS
		VN	10	4.45	0.002537	± 2.5	PASS
		VN	20	0.98	0.000559	± 2.5	PASS

		VN	30	4.03	0.002297	± 2.5	PASS
		VN	40	1.2	0.000684	± 2.5	PASS
		VN	50	4.56	0.002599	± 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	2.79	0.001630	± 2.5	PASS
		VN	TN	4.85	0.002834	± 2.5	PASS
		VH	TN	0.9	0.000526	± 2.5	PASS
	MCH	VL	TN	-1.03	-0.000595	± 2.5	PASS
		VN	TN	0.31	0.000179	± 2.5	PASS
		VH	TN	2.74	0.001582	± 2.5	PASS
	HCH	VL	TN	2.04	0.001163	± 2.5	PASS
		VN	TN	-0.29	-0.000165	± 2.5	PASS
		VH	TN	2.39	0.001363	± 2.5	PASS
16QAM	LCH	VL	TN	-0.11	-0.000064	± 2.5	PASS
		VN	TN	2.64	0.001543	± 2.5	PASS
		VH	TN	2.08	0.001215	± 2.5	PASS
	MCH	VL	TN	3.98	0.002297	± 2.5	PASS
		VN	TN	1.02	0.000589	± 2.5	PASS
		VH	TN	-1.32	-0.000762	± 2.5	PASS
	HCH	VL	TN	0.36	0.000205	± 2.5	PASS
		VN	TN	1.21	0.000690	± 2.5	PASS
		VH	TN	2.82	0.001608	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.56	0.002080	± 2.5	PASS
		VN	-20	4.76	0.002781	± 2.5	PASS
		VN	-10	0.81	0.000473	± 2.5	PASS
		VN	0	-1.7	-0.000993	± 2.5	PASS
		VN	10	-0.2	-0.000117	± 2.5	PASS
		VN	20	0.3	0.000175	± 2.5	PASS
		VN	30	-0.15	-0.000088	± 2.5	PASS
		VN	40	0.54	0.000316	± 2.5	PASS
		VN	50	-0.29	-0.000169	± 2.5	PASS
	MCH	VN	-30	-1.48	-0.000854	± 2.5	PASS
		VN	-20	-0.7	-0.000404	± 2.5	PASS

		VN	-10	0.66	0.000381	± 2.5	PASS
		VN	0	2.99	0.001726	± 2.5	PASS
		VN	10	3.27	0.001887	± 2.5	PASS
		VN	20	-0.63	-0.000364	± 2.5	PASS
		VN	30	4.68	0.002701	± 2.5	PASS
		VN	40	4.75	0.002742	± 2.5	PASS
		VN	50	-1.02	-0.000589	± 2.5	PASS
	HCH	VN	-30	0.4	0.000228	± 2.5	PASS
		VN	-20	-0.89	-0.000508	± 2.5	PASS
		VN	-10	4.13	0.002355	± 2.5	PASS
		VN	0	0.7	0.000399	± 2.5	PASS
		VN	10	-1.3	-0.000741	± 2.5	PASS
		VN	20	2.14	0.001220	± 2.5	PASS
		VN	30	2.08	0.001186	± 2.5	PASS
		VN	40	0.32	0.000182	± 2.5	PASS
		VN	50	0.51	0.000291	± 2.5	PASS
16QAM	LCH	VN	-30	0.75	0.000433	± 2.5	PASS
		VN	-20	-0.74	-0.000427	± 2.5	PASS
		VN	-10	-1.62	-0.000935	± 2.5	PASS
		VN	0	-1.47	-0.000848	± 2.5	PASS
		VN	10	-1.82	-0.001051	± 2.5	PASS
		VN	20	-0.01	-0.000006	± 2.5	PASS
		VN	30	4.8	0.002771	± 2.5	PASS
		VN	40	2.56	0.001478	± 2.5	PASS
		VN	50	2.16	0.001247	± 2.5	PASS
	MCH	VN	-30	-0.54	-0.000308	± 2.5	PASS
		VN	-20	4.09	0.002332	± 2.5	PASS
		VN	-10	-0.27	-0.000154	± 2.5	PASS
		VN	0	2.46	0.001403	± 2.5	PASS
		VN	10	3.8	0.002167	± 2.5	PASS
		VN	20	-1.2	-0.000684	± 2.5	PASS
		VN	30	1.66	0.000947	± 2.5	PASS
		VN	40	-1.84	-0.001049	± 2.5	PASS
		VN	50	0.51	0.000291	± 2.5	PASS
	HCH	VN	-30	0.63	0.000359	± 2.5	PASS
		VN	-20	2.14	0.001220	± 2.5	PASS
		VN	-10	3.33	0.001899	± 2.5	PASS
		VN	0	0.18	0.000103	± 2.5	PASS
		VN	10	-0.71	-0.000405	± 2.5	PASS
		VN	20	2.88	0.001642	± 2.5	PASS
		VN	30	-1.05	-0.000599	± 2.5	PASS

		VN	40	-1.07	-0.000610	± 2.5	PASS
		VN	50	4.12	0.002350	± 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	4.67	0.002727	± 2.5	PASS
		VN	TN	2.27	0.001326	± 2.5	PASS
		VH	TN	4.84	0.002826	± 2.5	PASS
	MCH	VL	TN	4.76	0.002747	± 2.5	PASS
		VN	TN	0.27	0.000156	± 2.5	PASS
		VH	TN	-1.59	-0.000918	± 2.5	PASS
	HCH	VL	TN	1.04	0.000593	± 2.5	PASS
		VN	TN	2.68	0.001529	± 2.5	PASS
		VH	TN	-0.64	-0.000365	± 2.5	PASS
16QAM	LCH	VL	TN	1.6	0.000934	± 2.5	PASS
		VN	TN	3.87	0.002260	± 2.5	PASS
		VH	TN	0.42	0.000245	± 2.5	PASS
	MCH	VL	TN	0.99	0.000571	± 2.5	PASS
		VN	TN	2.83	0.001633	± 2.5	PASS
		VH	TN	4.46	0.002574	± 2.5	PASS
	HCH	VL	TN	0.03	0.000017	± 2.5	PASS
		VN	TN	4.64	0.002648	± 2.5	PASS
		VH	TN	2.67	0.001524	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.64	-0.000958	± 2.5	PASS
		VN	-20	-1.39	-0.000812	± 2.5	PASS
		VN	-10	2.8	0.001635	± 2.5	PASS
		VN	0	1.05	0.000613	± 2.5	PASS
		VN	10	3.34	0.001950	± 2.5	PASS
		VN	20	1.22	0.000712	± 2.5	PASS
		VN	30	2.25	0.001314	± 2.5	PASS
		VN	40	2.86	0.001670	± 2.5	PASS
		VN	50	4.72	0.002756	± 2.5	PASS
	MCH	VN	-30	1.71	0.000987	± 2.5	PASS
		VN	-20	4.61	0.002661	± 2.5	PASS
		VN	-10	3.97	0.002291	± 2.5	PASS

		VN	0	1.92	0.001108	± 2.5	PASS
		VN	10	1.15	0.000664	± 2.5	PASS
		VN	20	2.51	0.001449	± 2.5	PASS
		VN	30	-0.37	-0.000214	± 2.5	PASS
		VN	40	2.04	0.001177	± 2.5	PASS
		VN	50	-1.02	-0.000589	± 2.5	PASS
	HCH	VN	-30	-0.14	-0.000080	± 2.5	PASS
		VN	-20	-1.72	-0.000902	± 2.5	PASS
		VN	-10	1.27	0.000666	± 2.5	PASS
		VN	0	1.52	0.000797	± 2.5	PASS
		VN	10	0.56	0.000294	± 2.5	PASS
		VN	20	2.72	0.001426	± 2.5	PASS
		VN	30	3.75	0.001966	± 2.5	PASS
		VN	40	4.37	0.002291	± 2.5	PASS
		VN	50	1.07	0.000561	± 2.5	PASS
16QAM	LCH	VN	-30	0.73	0.000421	± 2.5	PASS
		VN	-20	3.31	0.001911	± 2.5	PASS
		VN	-10	1.58	0.000912	± 2.5	PASS
		VN	0	-0.59	-0.000341	± 2.5	PASS
		VN	10	2.49	0.001437	± 2.5	PASS
		VN	20	-0.72	-0.000416	± 2.5	PASS
		VN	30	-0.2	-0.000115	± 2.5	PASS
		VN	40	1.78	0.001027	± 2.5	PASS
		VN	50	0.65	0.000375	± 2.5	PASS
	MCH	VN	-30	-1.03	-0.000588	± 2.5	PASS
		VN	-20	3.1	0.001769	± 2.5	PASS
		VN	-10	-0.22	-0.000126	± 2.5	PASS
		VN	0	1.65	0.000942	± 2.5	PASS
		VN	10	4.97	0.002836	± 2.5	PASS
		VN	20	0.58	0.000331	± 2.5	PASS
		VN	30	-0.46	-0.000262	± 2.5	PASS
		VN	40	2.39	0.001364	± 2.5	PASS
		VN	50	0.3	0.000171	± 2.5	PASS
	HCH	VN	-30	2.78	0.001457	± 2.5	PASS
		VN	-20	0.35	0.000183	± 2.5	PASS
		VN	-10	3.67	0.001924	± 2.5	PASS
		VN	0	2.03	0.001064	± 2.5	PASS
		VN	10	2.7	0.001415	± 2.5	PASS
		VN	20	4.16	0.002181	± 2.5	PASS
		VN	30	3.14	0.001646	± 2.5	PASS
		VN	40	0.94	0.000493	± 2.5	PASS

		VN	50	2.7	0.001415	± 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	3.28	0.001913	± 2.5	PASS
		VN	TN	4.45	0.002595	± 2.5	PASS
		VH	TN	2.75	0.001603	± 2.5	PASS
	MCH	VL	TN	0.75	0.000433	± 2.5	PASS
		VN	TN	-0.99	-0.000571	± 2.5	PASS
		VH	TN	-1.18	-0.000681	± 2.5	PASS
	HCH	VL	TN	-0.34	-0.000194	± 2.5	PASS
		VN	TN	4.73	0.002703	± 2.5	PASS
		VH	TN	-1.01	-0.000577	± 2.5	PASS
16QAM	LCH	VL	TN	2.11	0.001230	± 2.5	PASS
		VN	TN	-0.34	-0.000198	± 2.5	PASS
		VH	TN	0.49	0.000286	± 2.5	PASS
	MCH	VL	TN	2.2	0.001270	± 2.5	PASS
		VN	TN	4.44	0.002563	± 2.5	PASS
		VH	TN	-0.61	-0.000352	± 2.5	PASS
	HCH	VL	TN	-0.21	-0.000120	± 2.5	PASS
		VN	TN	-0.39	-0.000223	± 2.5	PASS
		VH	TN	1.48	0.000846	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.7	0.002741	± 2.5	PASS
		VN	-20	2.13	0.001242	± 2.5	PASS
		VN	-10	0.13	0.000076	± 2.5	PASS
		VN	0	0.84	0.000490	± 2.5	PASS
		VN	10	3.3	0.001924	± 2.5	PASS
		VN	20	4.32	0.002519	± 2.5	PASS
		VN	30	2.65	0.001545	± 2.5	PASS
		VN	40	4.57	0.002665	± 2.5	PASS
		VN	50	-0.78	-0.000455	± 2.5	PASS
	MCH	VN	-30	1.79	0.001033	± 2.5	PASS
		VN	-20	2.69	0.001553	± 2.5	PASS
		VN	-10	-1.53	-0.000883	± 2.5	PASS
		VN	0	2.77	0.001599	± 2.5	PASS

		VN	10	0.16	0.000092	± 2.5	PASS
		VN	20	2.48	0.001431	± 2.5	PASS
		VN	30	4.6	0.002655	± 2.5	PASS
		VN	40	0.1	0.000058	± 2.5	PASS
		VN	50	2.69	0.001553	± 2.5	PASS
	HCH	VN	-30	4.96	0.002834	± 2.5	PASS
		VN	-20	3.31	0.001891	± 2.5	PASS
		VN	-10	3.53	0.002017	± 2.5	PASS
		VN	0	3.68	0.002103	± 2.5	PASS
		VN	10	2.56	0.001463	± 2.5	PASS
		VN	20	1.65	0.000943	± 2.5	PASS
		VN	30	-1.09	-0.000623	± 2.5	PASS
		VN	40	-0.11	-0.000063	± 2.5	PASS
		VN	50	-1.53	-0.000874	± 2.5	PASS
		VN	-30	4.31	0.002488	± 2.5	PASS
16QAM	LCH	VN	-20	0.72	0.000416	± 2.5	PASS
		VN	-10	1.71	0.000987	± 2.5	PASS
		VN	0	1.51	0.000872	± 2.5	PASS
		VN	10	3.08	0.001778	± 2.5	PASS
		VN	20	0.28	0.000162	± 2.5	PASS
		VN	30	3.33	0.001922	± 2.5	PASS
		VN	40	-1.58	-0.000912	± 2.5	PASS
		VN	50	4.78	0.002759	± 2.5	PASS
	MCH	VN	-30	3.46	0.001977	± 2.5	PASS
		VN	-20	3.24	0.001851	± 2.5	PASS
		VN	-10	3.85	0.002200	± 2.5	PASS
		VN	0	-0.16	-0.000091	± 2.5	PASS
		VN	10	3.59	0.002051	± 2.5	PASS
		VN	20	-0.08	-0.000046	± 2.5	PASS
		VN	30	2.89	0.001651	± 2.5	PASS
		VN	40	-0.02	-0.000011	± 2.5	PASS
		VN	50	4.87	0.002783	± 2.5	PASS
	HCH	VN	-30	-0.65	-0.000371	± 2.5	PASS
		VN	-20	0.64	0.000366	± 2.5	PASS
		VN	-10	-1.39	-0.000794	± 2.5	PASS
		VN	0	0.09	0.000051	± 2.5	PASS
		VN	10	4.56	0.002606	± 2.5	PASS
		VN	20	0.11	0.000063	± 2.5	PASS
		VN	30	0.44	0.000251	± 2.5	PASS
		VN	40	0.2	0.000114	± 2.5	PASS
		VN	50	4.87	0.002783	± 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	0.05	0.000029	± 2.5	PASS
		VN	TN	0.43	0.000250	± 2.5	PASS
		VH	TN	0.59	0.000344	± 2.5	PASS
	MCH	VL	TN	0.93	0.000537	± 2.5	PASS
		VN	TN	-1.09	-0.000629	± 2.5	PASS
		VH	TN	3.34	0.001928	± 2.5	PASS
	HCH	VL	TN	3.46	0.001980	± 2.5	PASS
		VN	TN	-1.03	-0.000589	± 2.5	PASS
		VH	TN	4.64	0.002655	± 2.5	PASS
16QAM	LCH	VL	TN	1.45	0.000844	± 2.5	PASS
		VN	TN	4.31	0.002509	± 2.5	PASS
		VH	TN	0.57	0.000332	± 2.5	PASS
	MCH	VL	TN	3.37	0.001945	± 2.5	PASS
		VN	TN	3.55	0.002049	± 2.5	PASS
		VH	TN	1.1	0.000635	± 2.5	PASS
	HCH	VL	TN	2.02	0.001156	± 2.5	PASS
		VN	TN	0.82	0.000469	± 2.5	PASS
		VH	TN	1.52	0.000870	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.06	0.002364	± 2.5	PASS
		VN	-20	3.94	0.002294	± 2.5	PASS
		VN	-10	-0.99	-0.000576	± 2.5	PASS
		VN	0	-1.65	-0.000961	± 2.5	PASS
		VN	10	-1.27	-0.000739	± 2.5	PASS
		VN	20	4.4	0.002562	± 2.5	PASS
		VN	30	2.72	0.001584	± 2.5	PASS
		VN	40	-0.78	-0.000454	± 2.5	PASS
		VN	50	3.75	0.002183	± 2.5	PASS
	MCH	VN	-30	0.16	0.000092	± 2.5	PASS
		VN	-20	1.59	0.000918	± 2.5	PASS
		VN	-10	-0.6	-0.000346	± 2.5	PASS
		VN	0	4.62	0.002667	± 2.5	PASS
		VN	10	3.94	0.002274	± 2.5	PASS

		VN	20	2.57	0.001483	± 2.5	PASS
		VN	30	3.45	0.001991	± 2.5	PASS
		VN	40	-0.51	-0.000294	± 2.5	PASS
		VN	50	2.11	0.001218	± 2.5	PASS
	HCH	VN	-30	2.1	0.001202	± 2.5	PASS
		VN	-20	4.6	0.002632	± 2.5	PASS
		VN	-10	1.62	0.000927	± 2.5	PASS
		VN	0	2.99	0.001711	± 2.5	PASS
		VN	10	3.14	0.001797	± 2.5	PASS
		VN	20	4.35	0.002489	± 2.5	PASS
		VN	30	3.91	0.002237	± 2.5	PASS
		VN	40	4.38	0.002506	± 2.5	PASS
		VN	50	4.35	0.002489	± 2.5	PASS
		VN	-30	-1.08	-0.000623	± 2.5	PASS
		VN	-20	2.64	0.001524	± 2.5	PASS
		VN	-10	-0.01	-0.000006	± 2.5	PASS
16QAM	LCH	VN	0	3.11	0.001795	± 2.5	PASS
		VN	10	2	0.001154	± 2.5	PASS
		VN	20	3.2	0.001847	± 2.5	PASS
		VN	30	1.57	0.000906	± 2.5	PASS
		VN	40	-1.1	-0.000635	± 2.5	PASS
		VN	50	-0.99	-0.000571	± 2.5	PASS
	MCH	VN	-30	-0.9	-0.000515	± 2.5	PASS
		VN	-20	3.99	0.002283	± 2.5	PASS
		VN	-10	4.78	0.002735	± 2.5	PASS
		VN	0	-1.1	-0.000629	± 2.5	PASS
		VN	10	-1.08	-0.000618	± 2.5	PASS
		VN	20	3.12	0.001785	± 2.5	PASS
		VN	30	4.38	0.002506	± 2.5	PASS
		VN	40	0.33	0.000189	± 2.5	PASS
		VN	50	1.11	0.000635	± 2.5	PASS
	HCH	VN	-30	-0.43	-0.000246	± 2.5	PASS
		VN	-20	4.69	0.002684	± 2.5	PASS
		VN	-10	-0.62	-0.000355	± 2.5	PASS
		VN	0	1.12	0.000641	± 2.5	PASS
		VN	10	-1.7	-0.000973	± 2.5	PASS
		VN	20	0.14	0.000080	± 2.5	PASS
		VN	30	0.32	0.000183	± 2.5	PASS
		VN	40	1.31	0.000750	± 2.5	PASS
		VN	50	-0.08	-0.000046	± 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	-1.39	-0.000808	± 2.5	PASS
		VN	TN	3.44	0.002000	± 2.5	PASS
		VH	TN	3.82	0.002221	± 2.5	PASS
	MCH	VL	TN	-1.25	-0.000722	± 2.5	PASS
		VN	TN	2.09	0.001206	± 2.5	PASS
		VH	TN	-1.52	-0.000877	± 2.5	PASS
	HCH	VL	TN	3.53	0.002023	± 2.5	PASS
		VN	TN	-1.61	-0.000923	± 2.5	PASS
		VH	TN	4.03	0.002309	± 2.5	PASS
16QAM	LCH	VL	TN	4.01	0.002331	± 2.5	PASS
		VN	TN	4.83	0.002808	± 2.5	PASS
		VH	TN	1.27	0.000738	± 2.5	PASS
	MCH	VL	TN	-1.61	-0.000929	± 2.5	PASS
		VN	TN	4.11	0.002372	± 2.5	PASS
		VH	TN	0.91	0.000525	± 2.5	PASS
	HCH	VL	TN	2.54	0.001456	± 2.5	PASS
		VN	TN	4.02	0.002304	± 2.5	PASS
		VH	TN	3.36	0.001926	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.61	-0.000355	± 2.5	PASS
		VN	-20	1.37	0.000797	± 2.5	PASS
		VN	-10	2.19	0.001273	± 2.5	PASS
		VN	0	-0.67	-0.000390	± 2.5	PASS
		VN	10	2.96	0.001721	± 2.5	PASS
		VN	20	3.24	0.001884	± 2.5	PASS
		VN	30	4.23	0.002459	± 2.5	PASS
		VN	40	1.78	0.001035	± 2.5	PASS
		VN	50	0.16	0.000093	± 2.5	PASS
	MCH	VN	-30	0.05	0.000029	± 2.5	PASS
		VN	-20	1.23	0.000710	± 2.5	PASS
		VN	-10	4.96	0.002863	± 2.5	PASS
		VN	0	3.32	0.001916	± 2.5	PASS
		VN	10	-1.59	-0.000918	± 2.5	PASS
		VN	20	1.62	0.000935	± 2.5	PASS

		VN	30	0.08	0.000046	± 2.5	PASS
		VN	40	-0.22	-0.000127	± 2.5	PASS
		VN	50	3.46	0.001997	± 2.5	PASS
	HCH	VN	-30	2.23	0.001278	± 2.5	PASS
		VN	-20	2.63	0.001507	± 2.5	PASS
		VN	-10	-0.69	-0.000395	± 2.5	PASS
		VN	0	-1.19	-0.000682	± 2.5	PASS
		VN	10	4.49	0.002573	± 2.5	PASS
		VN	20	3.97	0.002275	± 2.5	PASS
		VN	30	-0.82	-0.000470	± 2.5	PASS
		VN	40	1.94	0.001112	± 2.5	PASS
		VN	50	-1.32	-0.000756	± 2.5	PASS
16QAM	LCH	VN	-30	1.62	0.000935	± 2.5	PASS
		VN	-20	2.17	0.001253	± 2.5	PASS
		VN	-10	1.38	0.000797	± 2.5	PASS
		VN	0	1.53	0.000883	± 2.5	PASS
		VN	10	4.71	0.002719	± 2.5	PASS
		VN	20	3.25	0.001876	± 2.5	PASS
		VN	30	0.39	0.000225	± 2.5	PASS
		VN	40	1.78	0.001027	± 2.5	PASS
		VN	50	1.62	0.000935	± 2.5	PASS
	MCH	VN	-30	-1.19	-0.000682	± 2.5	PASS
		VN	-20	4.22	0.002418	± 2.5	PASS
		VN	-10	0.27	0.000155	± 2.5	PASS
		VN	0	3	0.001719	± 2.5	PASS
		VN	10	-0.97	-0.000556	± 2.5	PASS
		VN	20	3.02	0.001731	± 2.5	PASS
		VN	30	3.25	0.001862	± 2.5	PASS
		VN	40	4.29	0.002458	± 2.5	PASS
		VN	50	0.69	0.000395	± 2.5	PASS
	HCH	VN	-30	-1.08	-0.000619	± 2.5	PASS
		VN	-20	2.41	0.001381	± 2.5	PASS
		VN	-10	4.48	0.002567	± 2.5	PASS
		VN	0	1.49	0.000854	± 2.5	PASS
		VN	10	0.19	0.000109	± 2.5	PASS
		VN	20	4.21	0.002413	± 2.5	PASS
		VN	30	0.64	0.000367	± 2.5	PASS
		VN	40	3.84	0.002201	± 2.5	PASS
		VN	50	3.01	0.001725	± 2.5	PASS