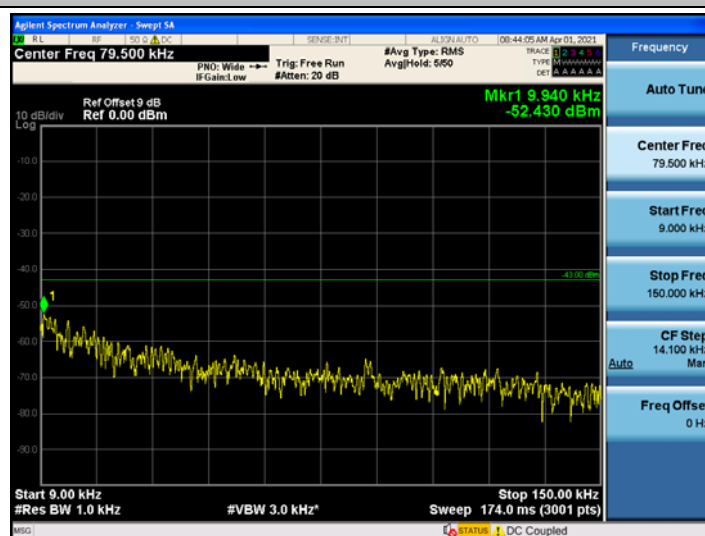




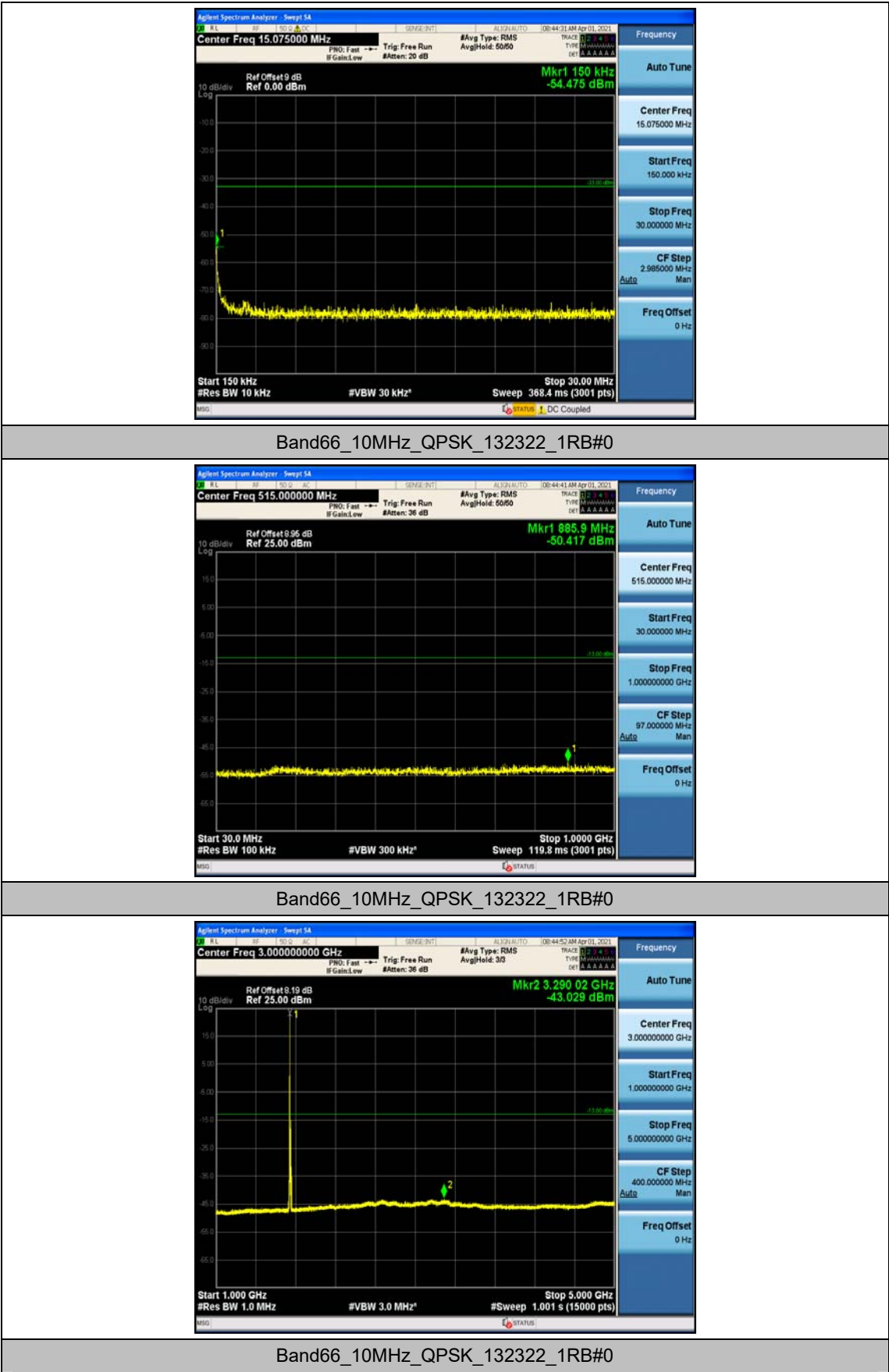
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Band66_10MHz_QPSK_132322_1RB#0



Band66_10MHz_QPSK_132322_1RB#0





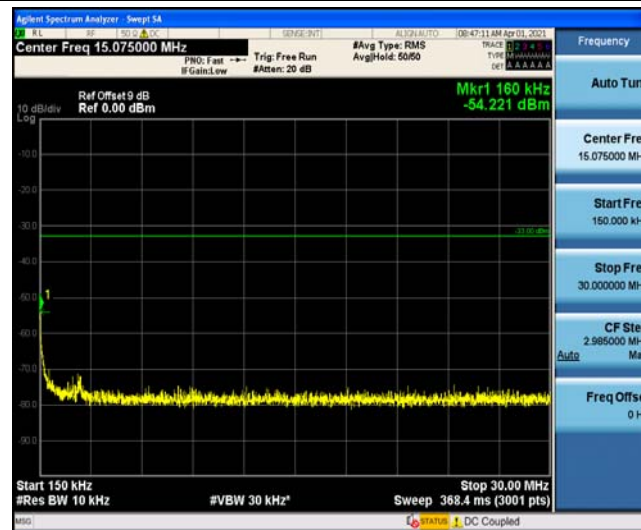
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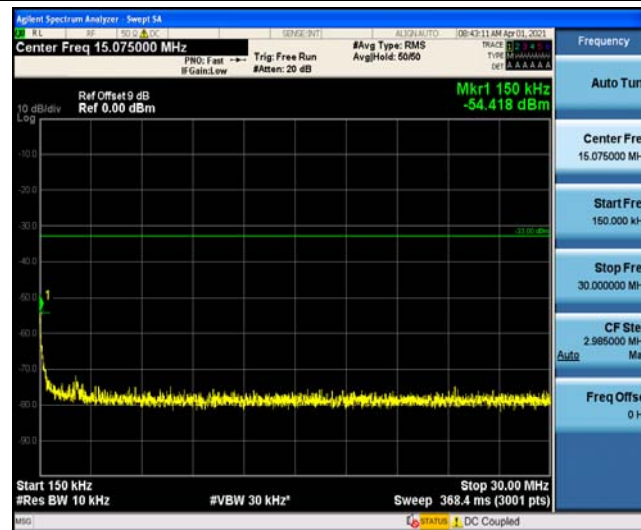
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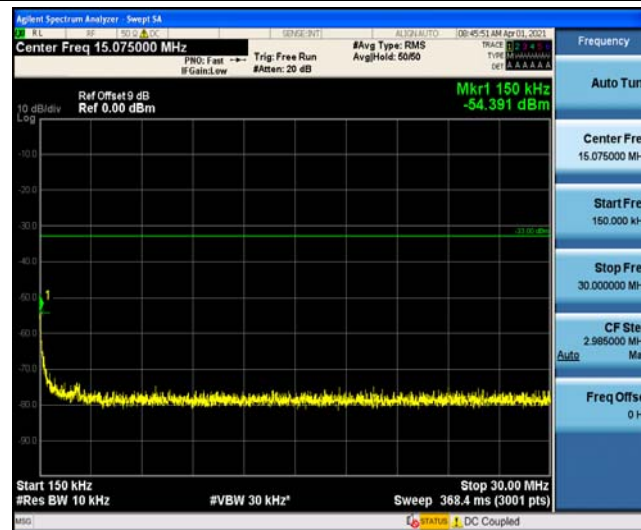
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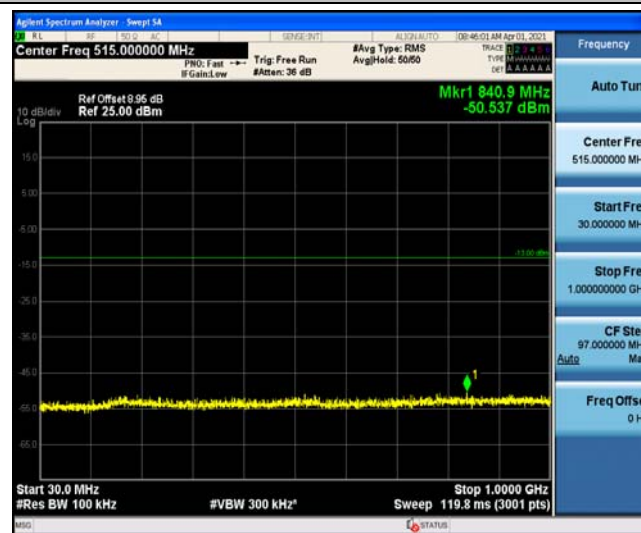
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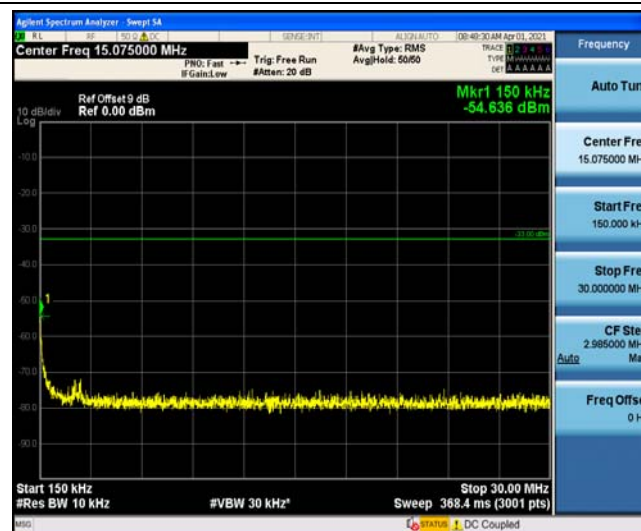
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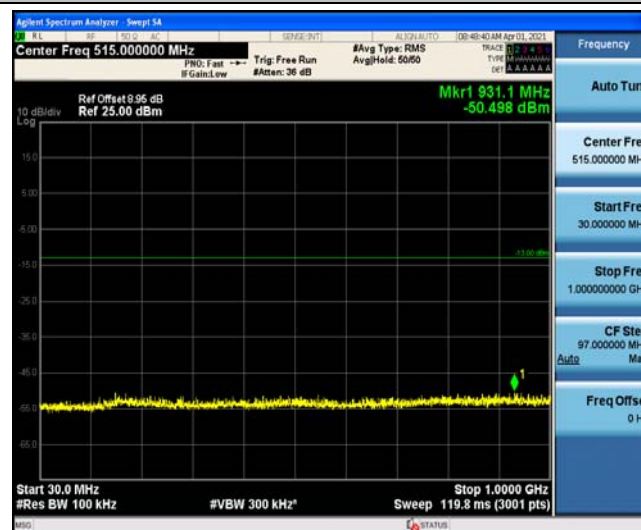
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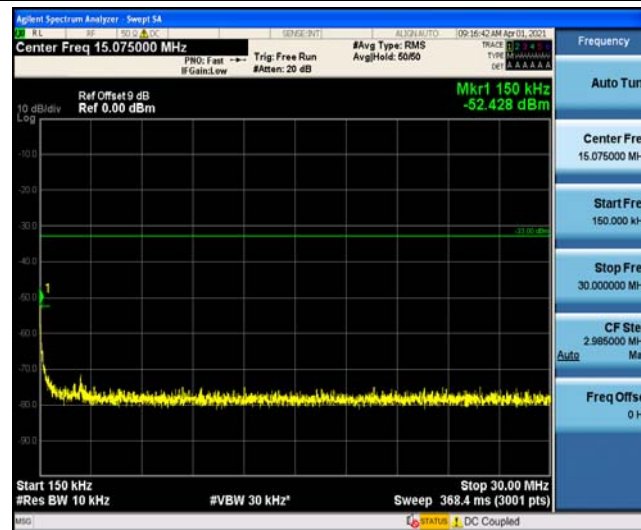
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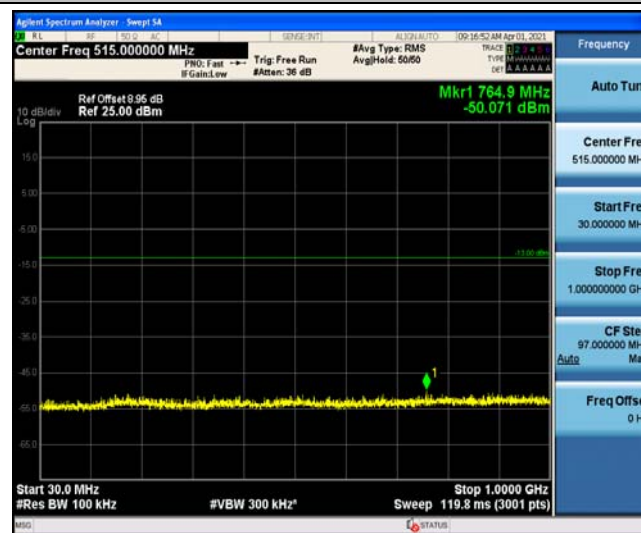
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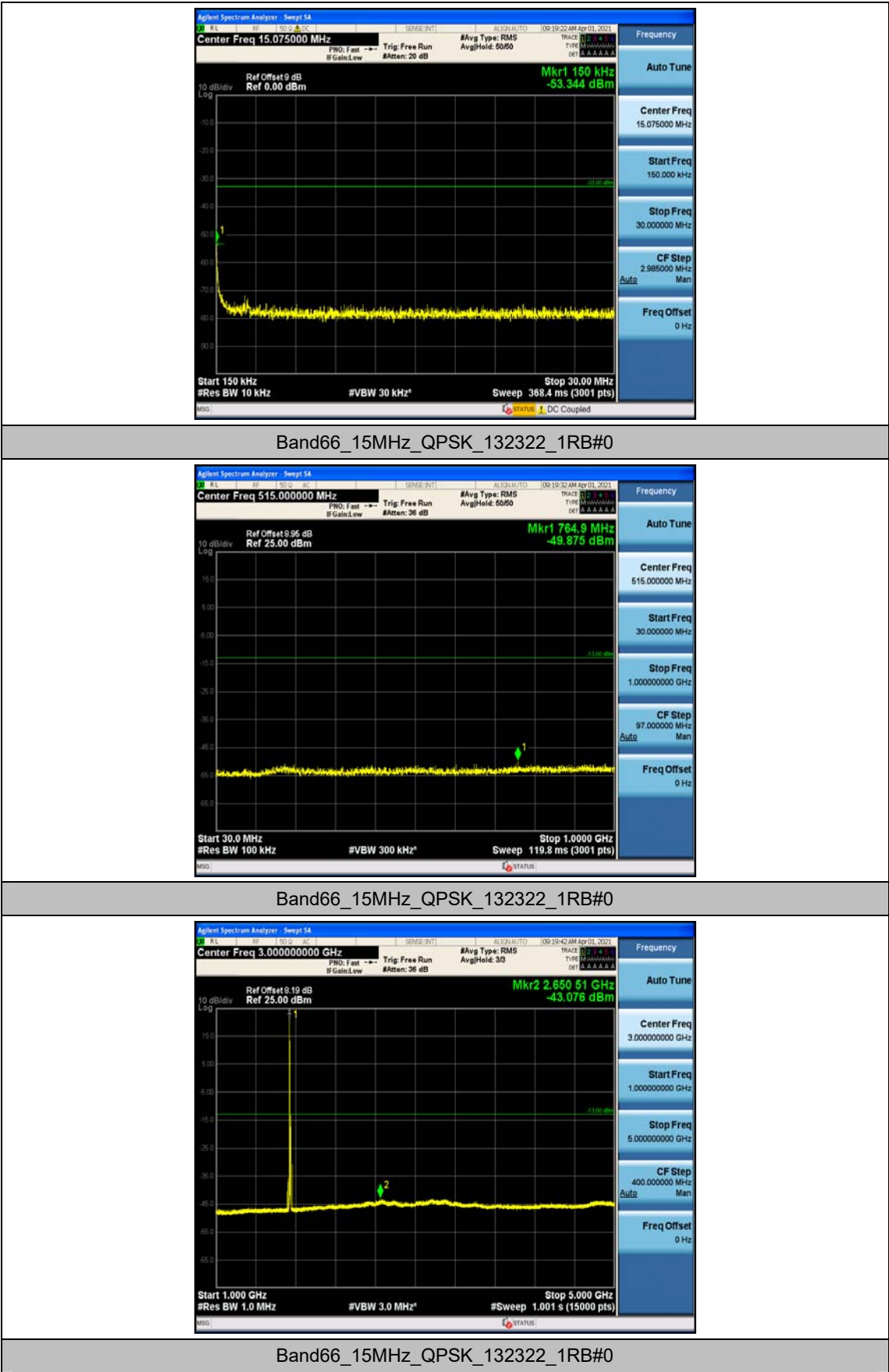
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Band66_15MHz_QPSK_132322_1RB#0





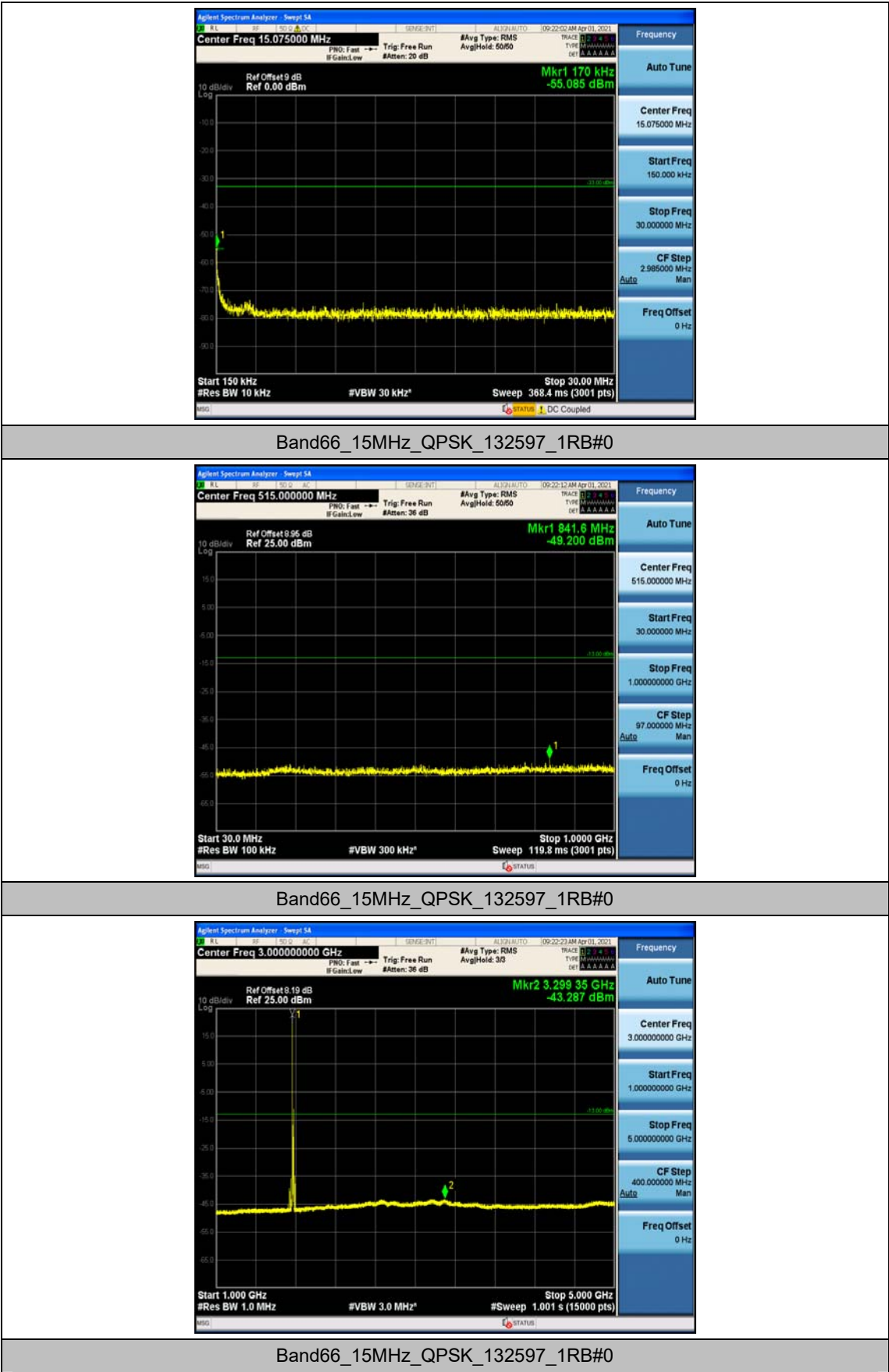
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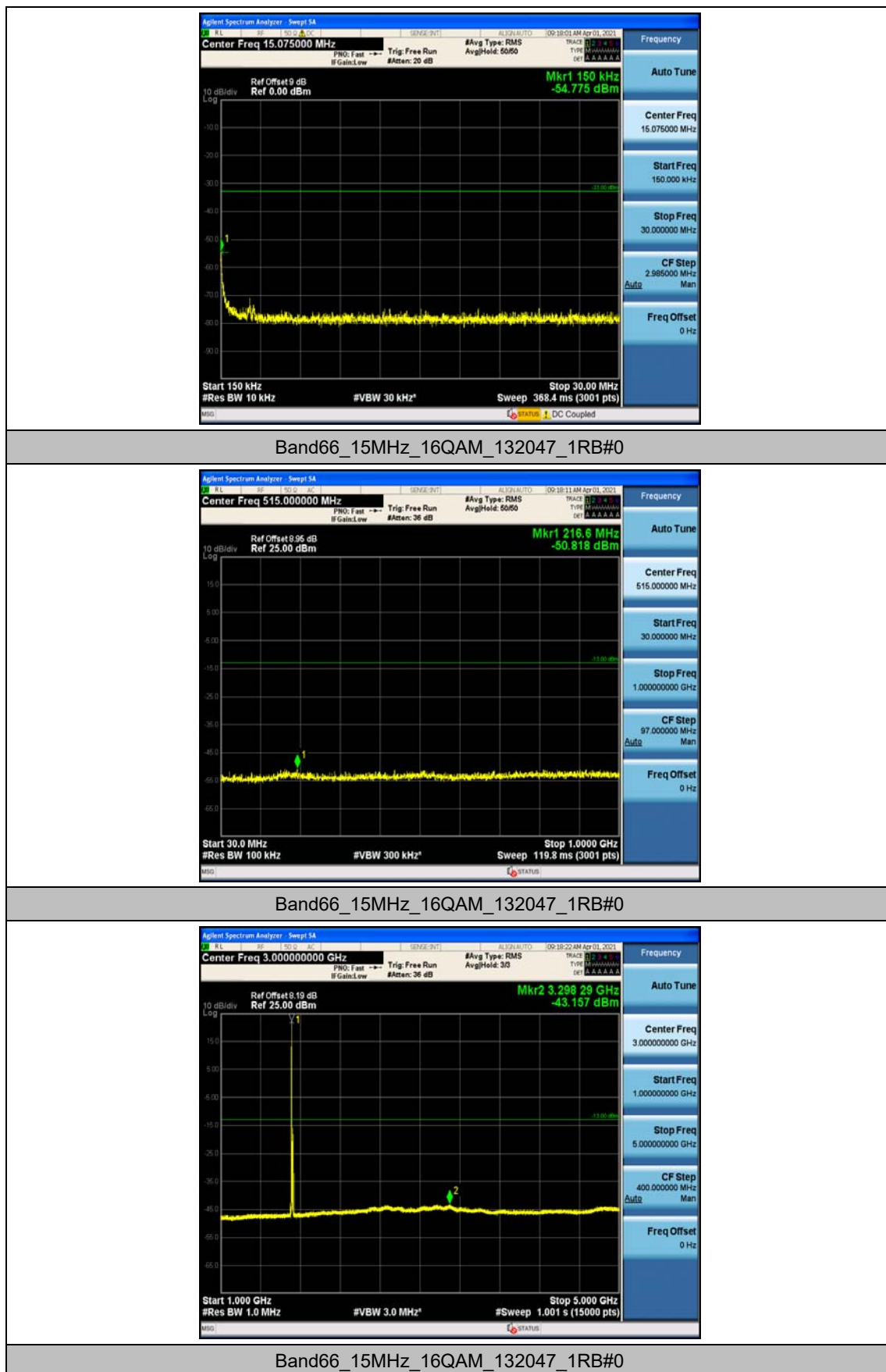
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Band66_15MHz_16QAM_132047_1RB#0





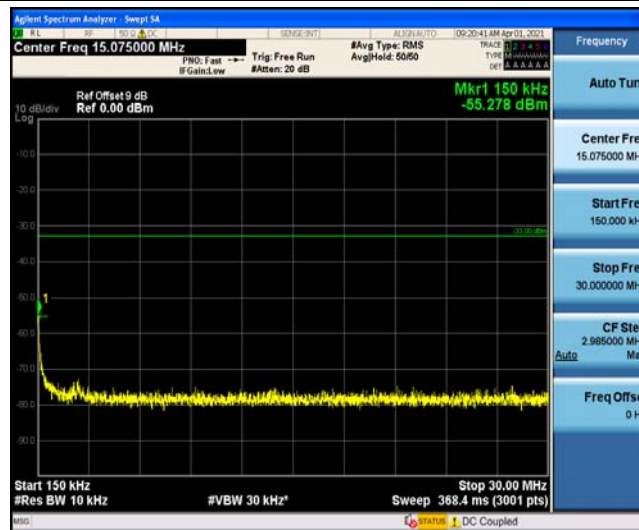
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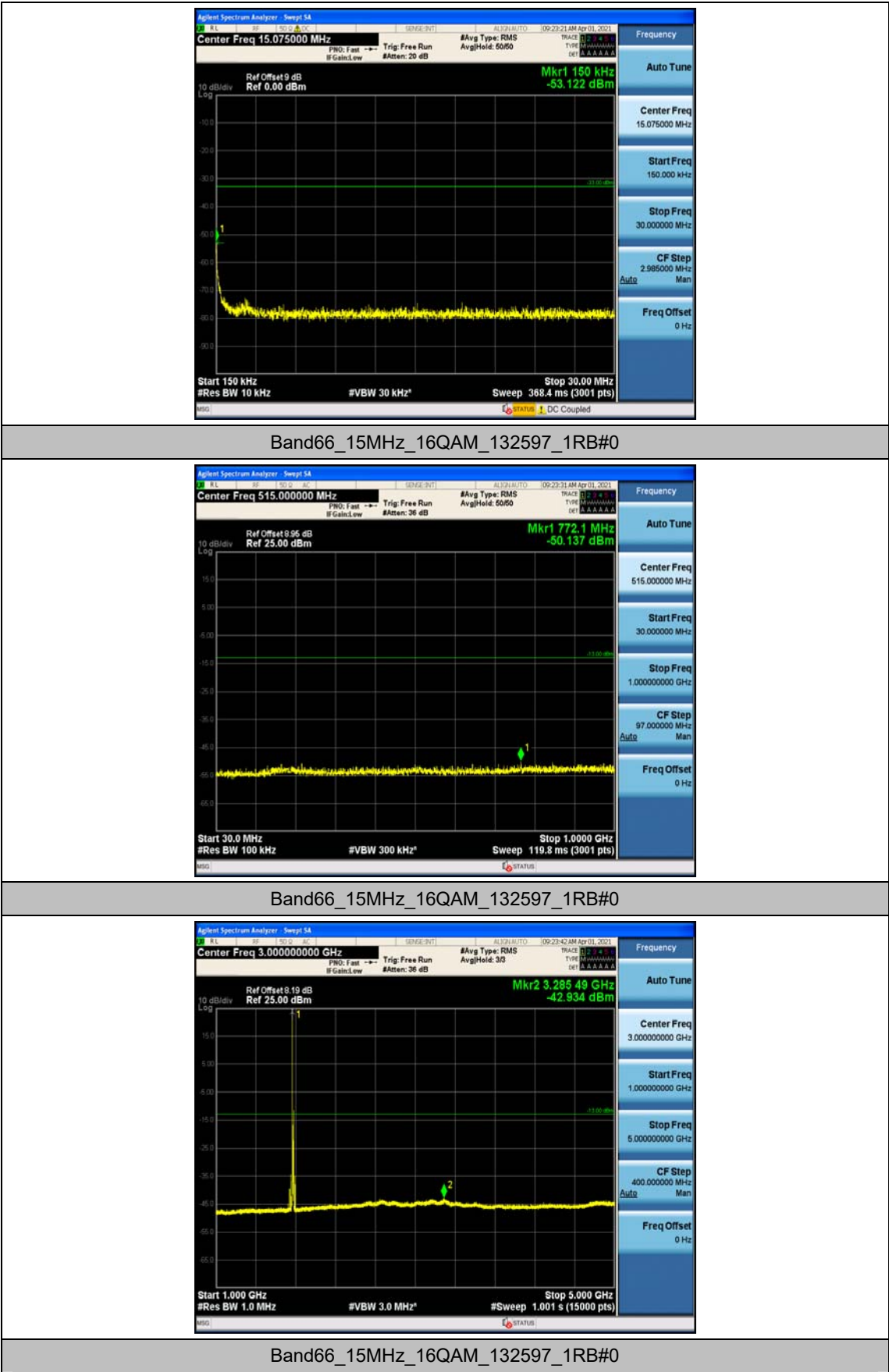
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Band66_15MHz_16QAM_132597_1RB#0

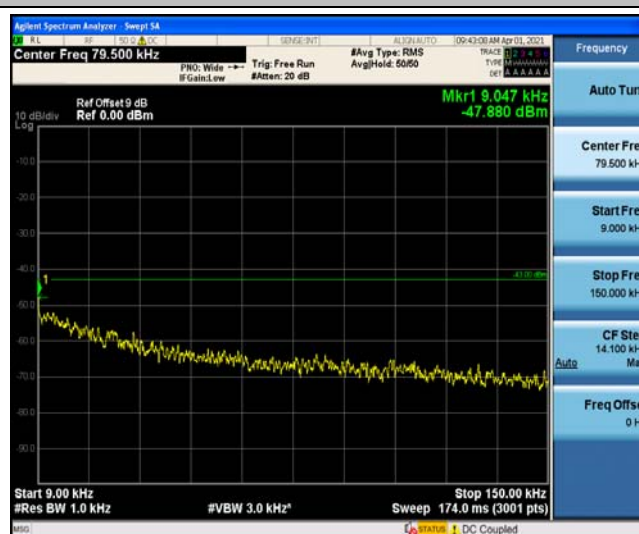




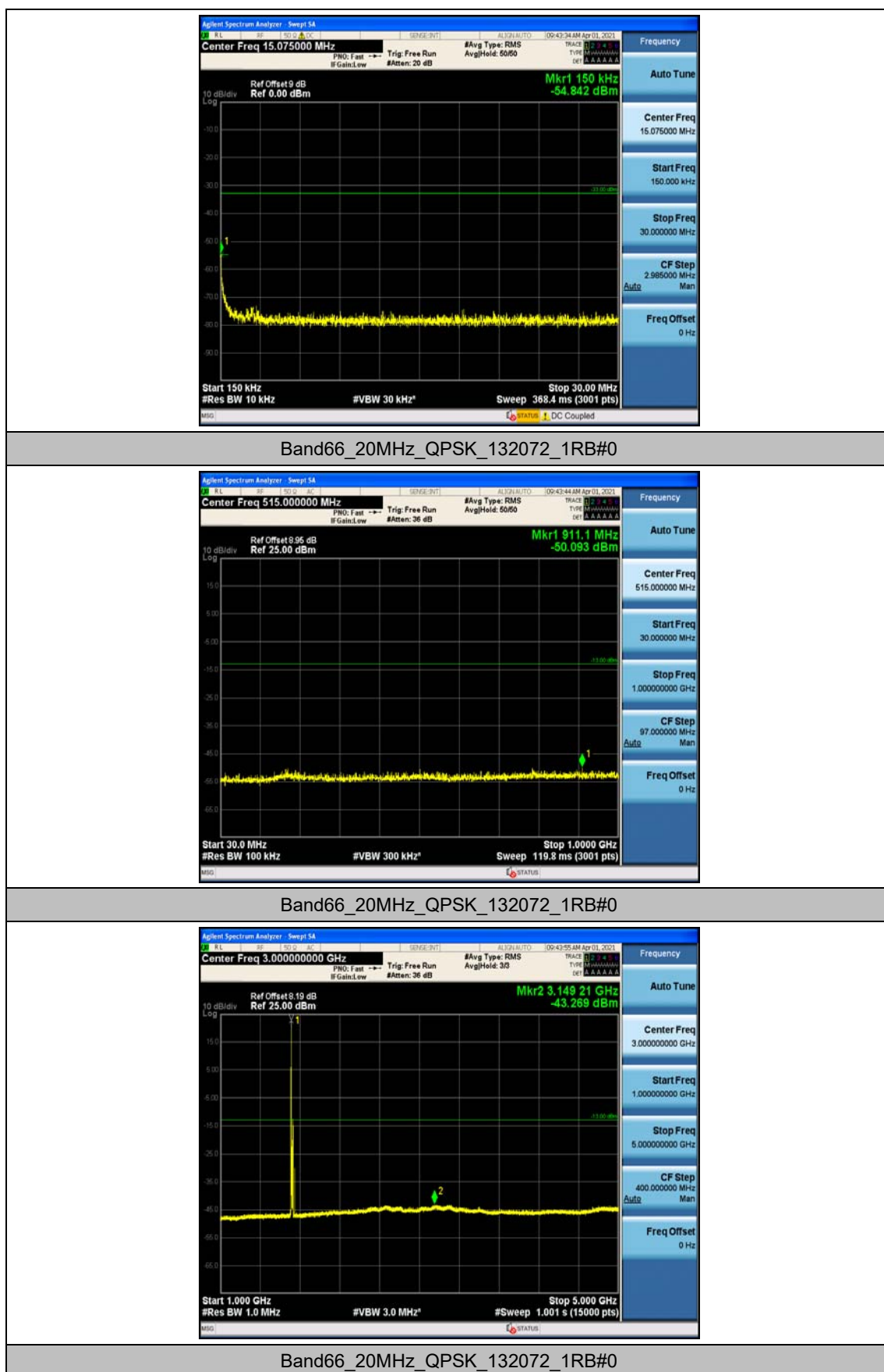
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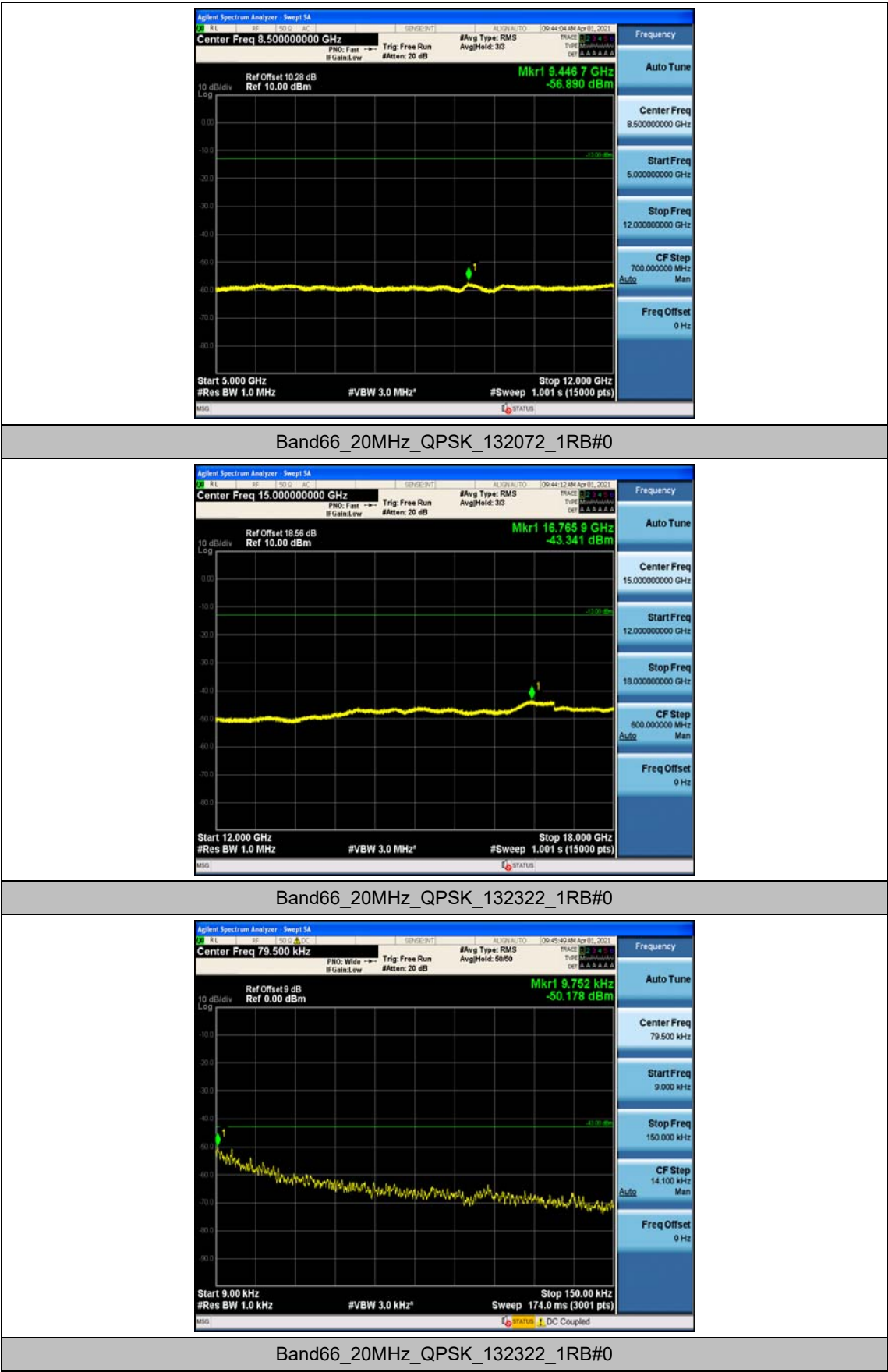


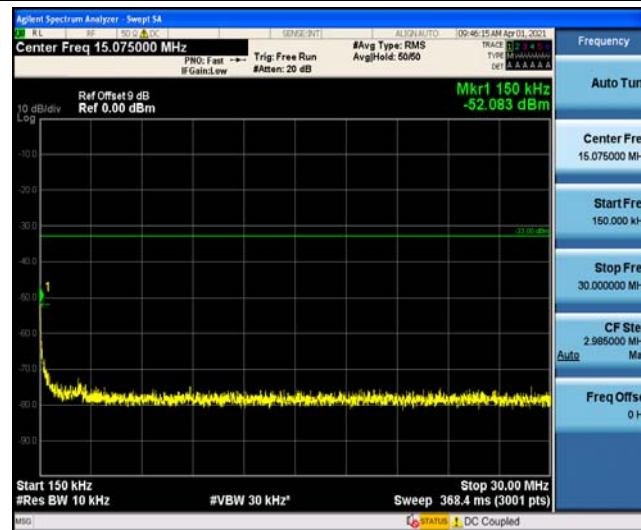
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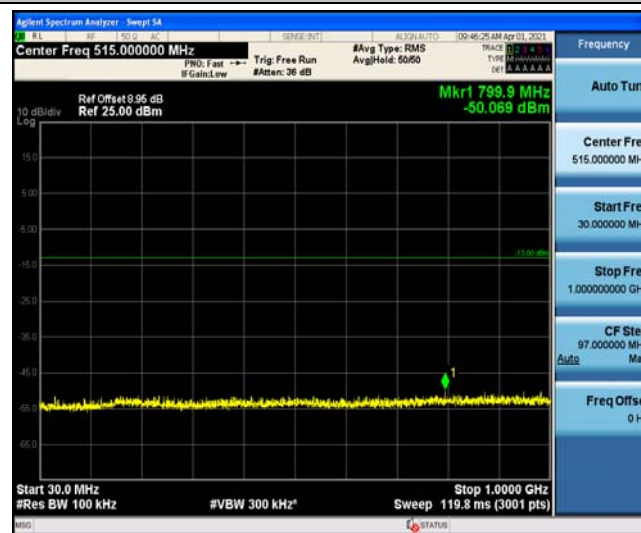
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Band66_20MHz_QPSK_132322_1RB#0



Band66_20MHz_QPSK_132322_1RB#0



Band66_20MHz_QPSK_132322_1RB#0



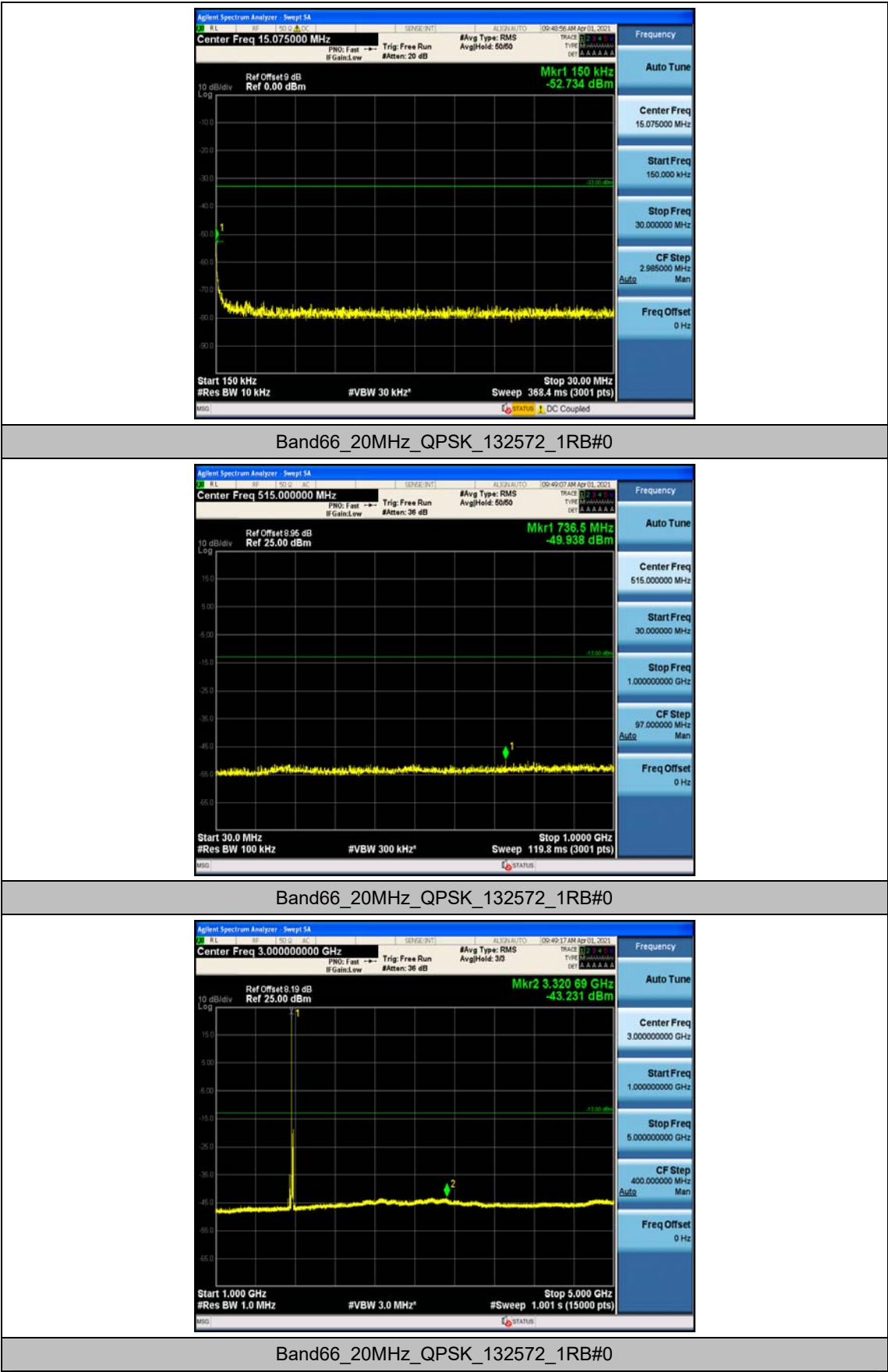
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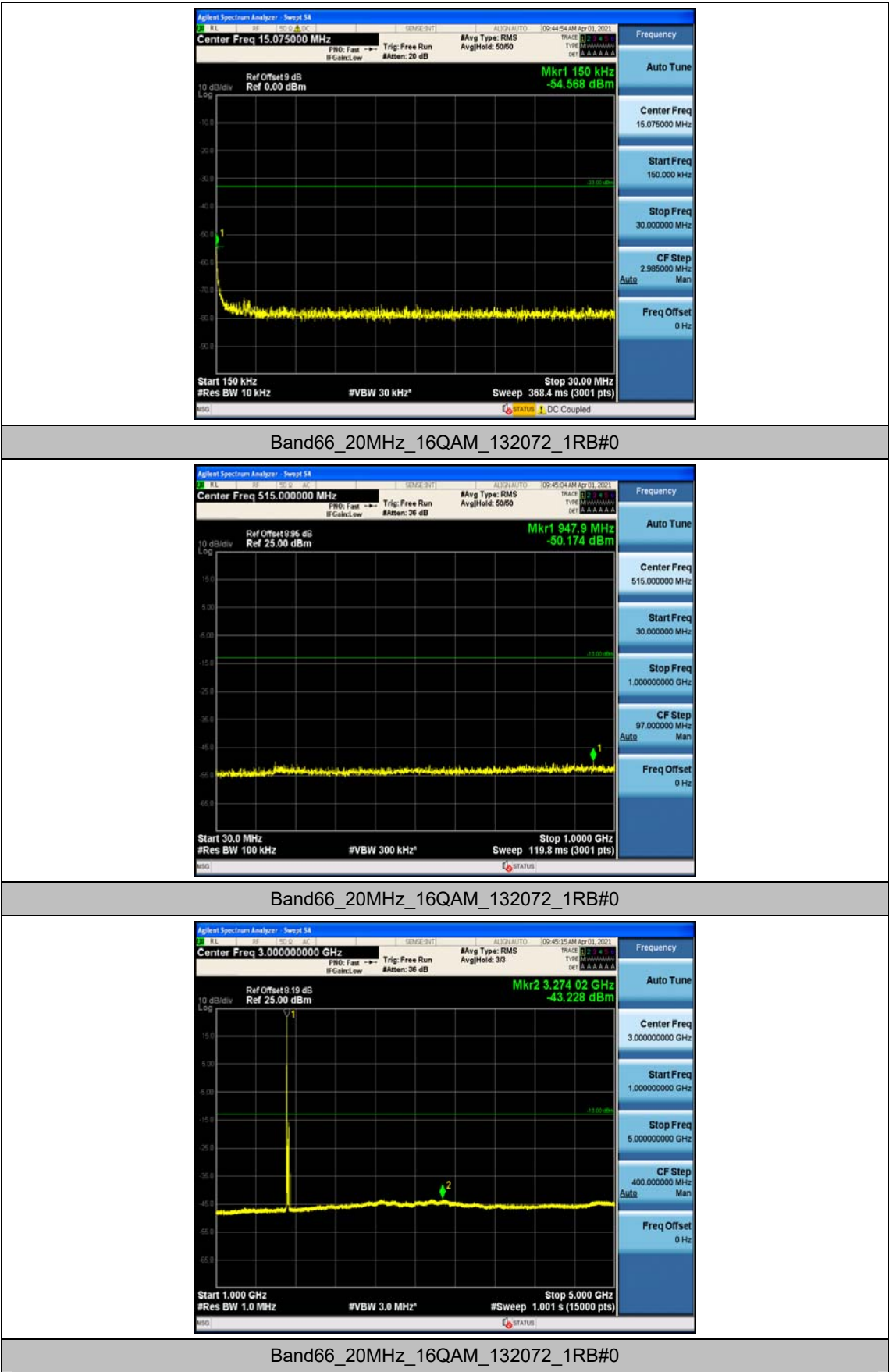
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Band66_20MHz_16QAM_132072_1RB#0





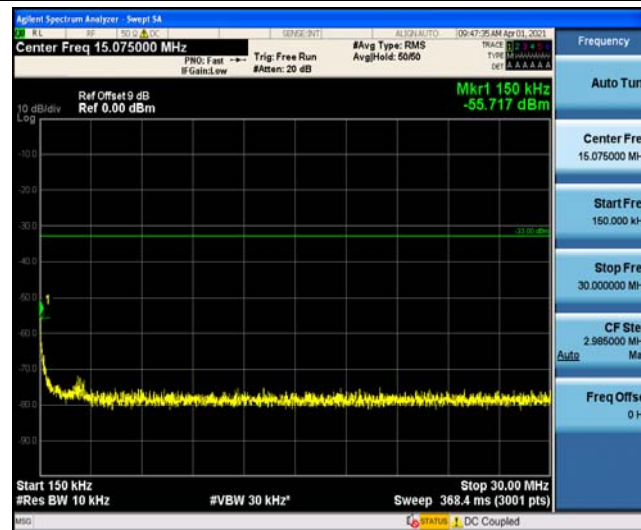
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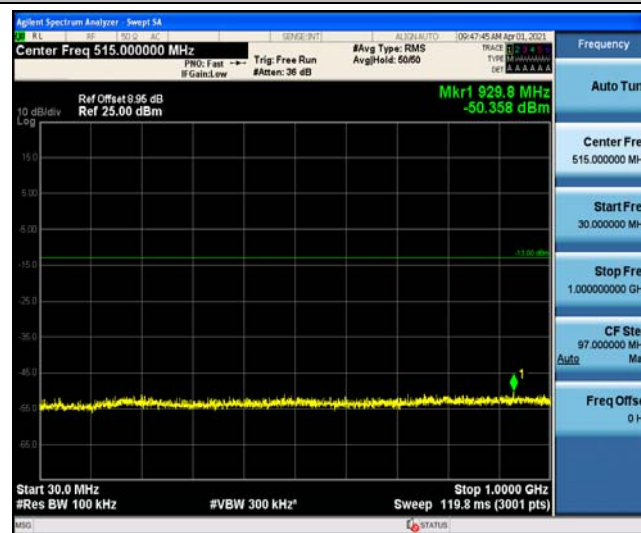
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Band66_20MHz_16QAM_132322_1RB#0



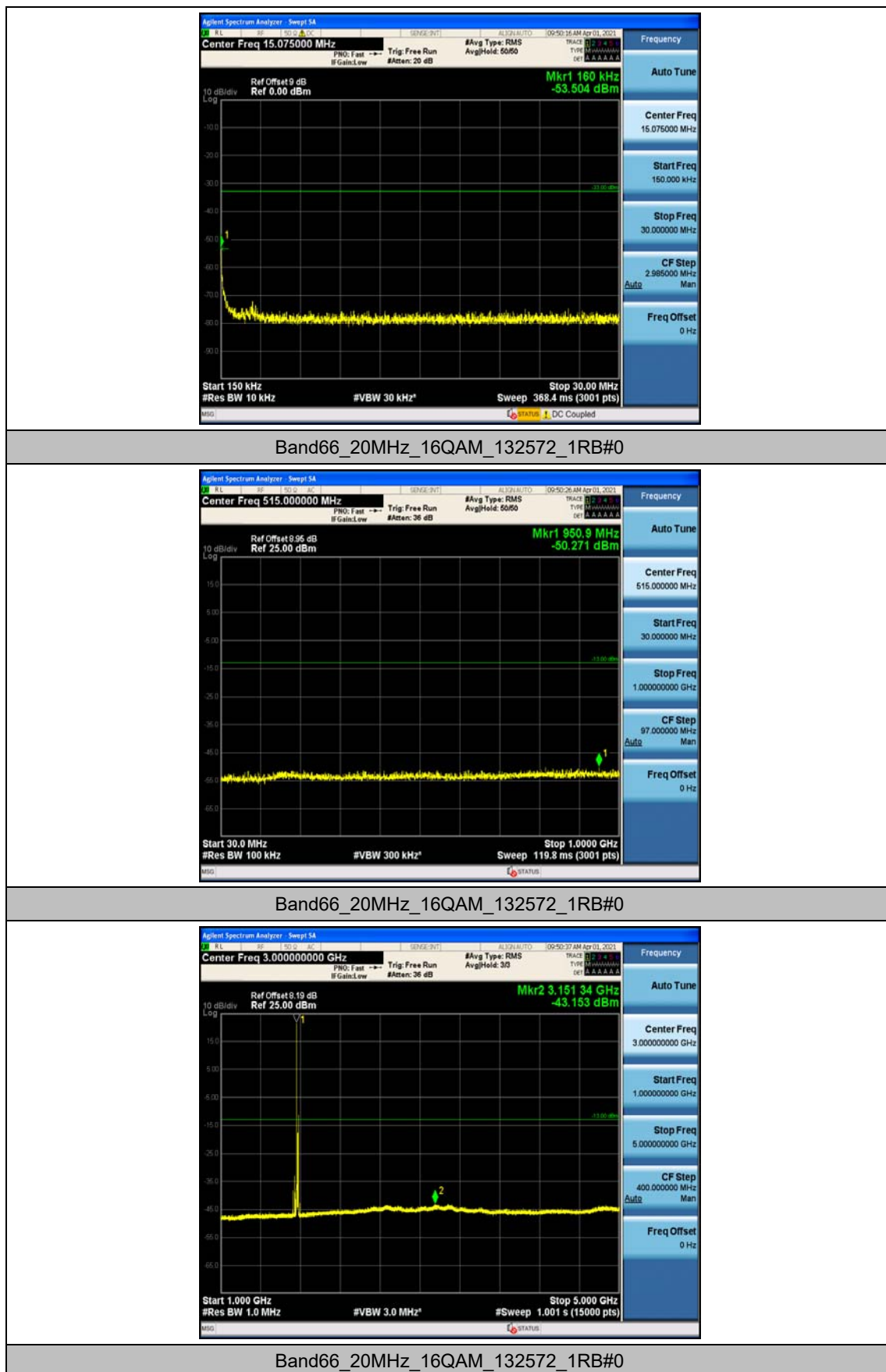
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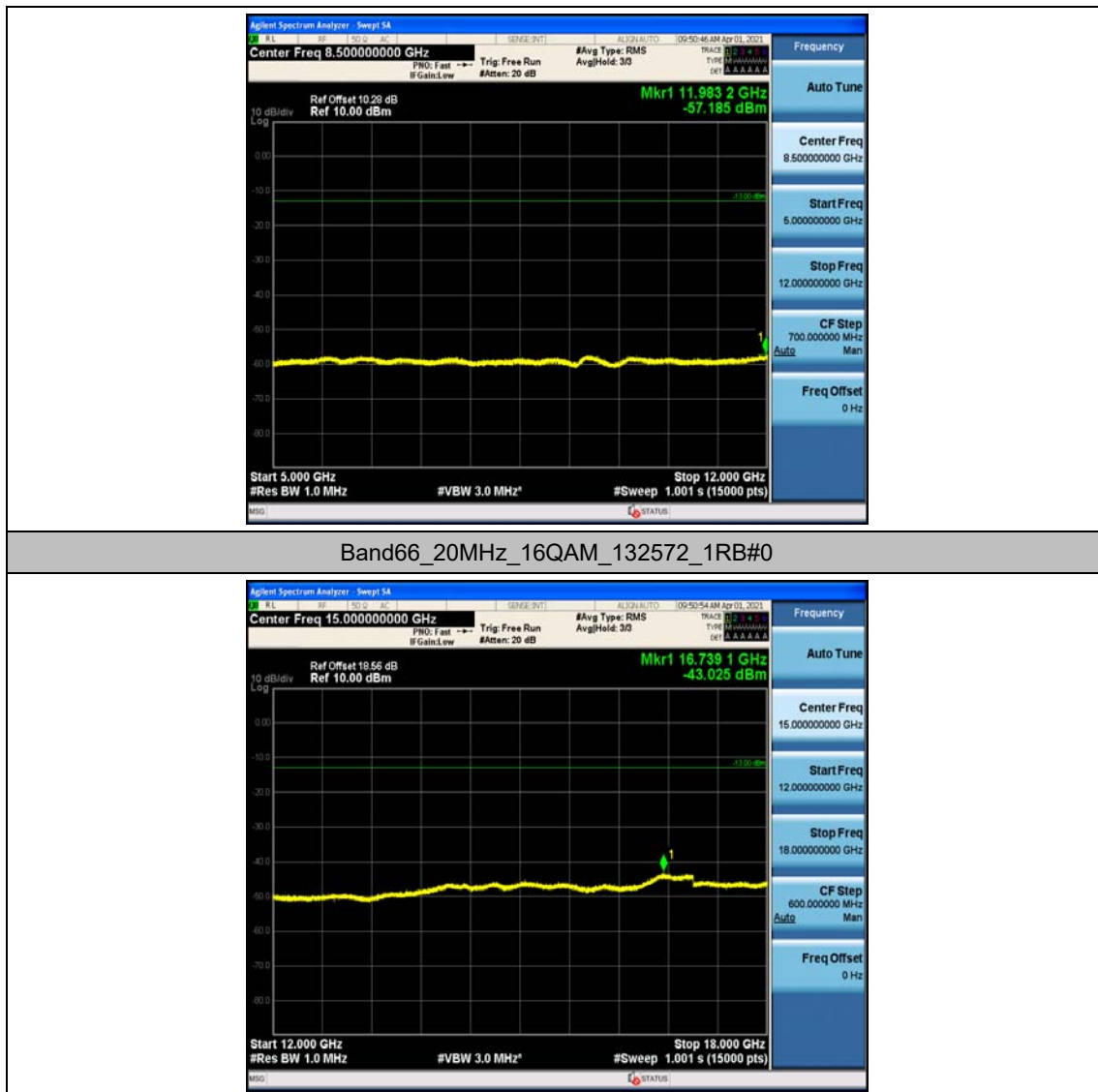


Band66_20MHz_16QAM_132572_1RB#0



Band66_20MHz_16QAM_132572_1RB#0





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	-1.94	-0.001134	± 2.5	PASS
		VN	TN	1.45	0.000848	± 2.5	PASS
		VH	TN	3.59	0.002099	± 2.5	PASS
	MCH	VL	TN	-1.1	-0.000630	± 2.5	PASS
		VN	TN	-1.44	-0.000825	± 2.5	PASS
		VH	TN	4.5	0.002579	± 2.5	PASS
	HCH	VL	TN	1.63	0.000916	± 2.5	PASS
		VN	TN	3.85	0.002164	± 2.5	PASS
		VH	TN	-1.65	-0.000927	± 2.5	PASS
16QAM	LCH	VL	TN	3.18	0.001859	± 2.5	PASS
		VN	TN	-0.55	-0.000322	± 2.5	PASS
		VH	TN	1.11	0.000649	± 2.5	PASS
	MCH	VL	TN	4.81	0.002756	± 2.5	PASS
		VN	TN	2.85	0.001633	± 2.5	PASS
		VH	TN	0.51	0.000292	± 2.5	PASS
	HCH	VL	TN	3.86	0.002169	± 2.5	PASS
		VN	TN	1.69	0.000950	± 2.5	PASS
		VH	TN	-1.41	-0.000792	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.17	0.001268	± 2.5	PASS
		VN	-20	-0.26	-0.000152	± 2.5	PASS
		VN	-10	0.37	0.000216	± 2.5	PASS
		VN	0	-0.72	-0.000421	± 2.5	PASS
		VN	10	4.85	0.002835	± 2.5	PASS
		VN	20	3.55	0.002075	± 2.5	PASS
		VN	30	3.07	0.001795	± 2.5	PASS
		VN	40	-1.56	-0.000912	± 2.5	PASS
		VN	50	0.46	0.000269	± 2.5	PASS
	MCH	VN	-30	3.78	0.002166	± 2.5	PASS

		VN	-20	-0.77	-0.000441	± 2.5	PASS
		VN	-10	-0.9	-0.000516	± 2.5	PASS
		VN	0	1.13	0.000648	± 2.5	PASS
		VN	10	2.08	0.001192	± 2.5	PASS
		VN	20	2.57	0.001473	± 2.5	PASS
		VN	30	0.47	0.000269	± 2.5	PASS
		VN	40	3.82	0.002189	± 2.5	PASS
		VN	50	4.46	0.002556	± 2.5	PASS
	HCH	VN	-30	4.24	0.002383	± 2.5	PASS
		VN	-20	1.24	0.000697	± 2.5	PASS
		VN	-10	3.92	0.002203	± 2.5	PASS
		VN	0	1.12	0.000629	± 2.5	PASS
		VN	10	2.03	0.001141	± 2.5	PASS
		VN	20	-1.18	-0.000663	± 2.5	PASS
		VN	30	3.21	0.001804	± 2.5	PASS
		VN	40	-1.65	-0.000927	± 2.5	PASS
		VN	50	-0.92	-0.000517	± 2.5	PASS
16QAM	LCH	VN	-30	3.83	0.002239	± 2.5	PASS
		VN	-20	1.22	0.000713	± 2.5	PASS
		VN	-10	0.07	0.000041	± 2.5	PASS
		VN	0	2.1	0.001228	± 2.5	PASS
		VN	10	4.77	0.002788	± 2.5	PASS
		VN	20	-1.55	-0.000906	± 2.5	PASS
		VN	30	3.44	0.002011	± 2.5	PASS
		VN	40	0.02	0.000012	± 2.5	PASS
		VN	50	-1.13	-0.000661	± 2.5	PASS
	MCH	VN	-30	2.38	0.001364	± 2.5	PASS
		VN	-20	2.49	0.001427	± 2.5	PASS
		VN	-10	2.58	0.001479	± 2.5	PASS
		VN	0	4.47	0.002562	± 2.5	PASS
		VN	10	-1.82	-0.001043	± 2.5	PASS
		VN	20	-0.57	-0.000327	± 2.5	PASS
		VN	30	2.33	0.001335	± 2.5	PASS
		VN	40	0.37	0.000212	± 2.5	PASS
		VN	50	3.22	0.001845	± 2.5	PASS
	HCH	VN	-30	3.09	0.001737	± 2.5	PASS
		VN	-20	0.44	0.000247	± 2.5	PASS
		VN	-10	2.35	0.001321	± 2.5	PASS
		VN	0	0.73	0.000410	± 2.5	PASS
		VN	10	0.76	0.000427	± 2.5	PASS
		VN	20	2.64	0.001484	± 2.5	PASS

		VN	30	1.73	0.000972	± 2.5	PASS
		VN	40	-0.55	-0.000309	± 2.5	PASS
		VN	50	1.03	0.000579	± 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	4.22	0.002466	± 2.5	PASS
		VN	TN	2.91	0.001700	± 2.5	PASS
		VH	TN	-1.11	-0.000649	± 2.5	PASS
	MCH	VL	TN	3.35	0.001920	± 2.5	PASS
		VN	TN	4.62	0.002648	± 2.5	PASS
		VH	TN	2.87	0.001645	± 2.5	PASS
	HCH	VL	TN	0.94	0.000528	± 2.5	PASS
		VN	TN	4.9	0.002754	± 2.5	PASS
		VH	TN	0.88	0.000495	± 2.5	PASS
16QAM	LCH	VL	TN	-1.5	-0.000876	± 2.5	PASS
		VN	TN	3.43	0.002004	± 2.5	PASS
		VH	TN	-1.83	-0.001069	± 2.5	PASS
	MCH	VL	TN	3.18	0.001822	± 2.5	PASS
		VN	TN	-1.49	-0.000854	± 2.5	PASS
		VH	TN	-0.92	-0.000527	± 2.5	PASS
	HCH	VL	TN	-0.21	-0.000118	± 2.5	PASS
		VN	TN	2.73	0.001534	± 2.5	PASS
		VH	TN	4.99	0.002804	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.51	0.000882	± 2.5	PASS
		VN	-20	0.52	0.000304	± 2.5	PASS
		VN	-10	-0.09	-0.000053	± 2.5	PASS
		VN	0	-1.84	-0.001075	± 2.5	PASS
		VN	10	-0.7	-0.000409	± 2.5	PASS
		VN	20	-1.32	-0.000771	± 2.5	PASS
		VN	30	0.66	0.000386	± 2.5	PASS
		VN	40	3.28	0.001916	± 2.5	PASS
		VN	50	2.33	0.001361	± 2.5	PASS
	MCH	VN	-30	0.68	0.000390	± 2.5	PASS
		VN	-20	3.9	0.002235	± 2.5	PASS

		VN	-10	3.93	0.002252	± 2.5	PASS
		VN	0	-0.95	-0.000544	± 2.5	PASS
		VN	10	-0.71	-0.000407	± 2.5	PASS
		VN	20	1.54	0.000883	± 2.5	PASS
		VN	30	2.06	0.001181	± 2.5	PASS
		VN	40	3.83	0.002195	± 2.5	PASS
		VN	50	3.02	0.001731	± 2.5	PASS
	HCH	VN	-30	-0.09	-0.000051	± 2.5	PASS
		VN	-20	-0.11	-0.000062	± 2.5	PASS
		VN	-10	-0.19	-0.000107	± 2.5	PASS
		VN	0	4.01	0.002254	± 2.5	PASS
		VN	10	-0.94	-0.000528	± 2.5	PASS
		VN	20	-1.14	-0.000641	± 2.5	PASS
		VN	30	-0.36	-0.000202	± 2.5	PASS
		VN	40	0.13	0.000073	± 2.5	PASS
		VN	50	2.87	0.001613	± 2.5	PASS
16QAM	LCH	VN	-30	4.93	0.002881	± 2.5	PASS
		VN	-20	1.74	0.001017	± 2.5	PASS
		VN	-10	-1.54	-0.000900	± 2.5	PASS
		VN	0	1.04	0.000608	± 2.5	PASS
		VN	10	0.99	0.000578	± 2.5	PASS
		VN	20	0.68	0.000397	± 2.5	PASS
		VN	30	-0.14	-0.000082	± 2.5	PASS
		VN	40	-1.84	-0.001075	± 2.5	PASS
		VN	50	0.19	0.000111	± 2.5	PASS
	MCH	VN	-30	3.17	0.001817	± 2.5	PASS
		VN	-20	-1.55	-0.000888	± 2.5	PASS
		VN	-10	3.22	0.001845	± 2.5	PASS
		VN	0	4.85	0.002779	± 2.5	PASS
		VN	10	1.28	0.000734	± 2.5	PASS
		VN	20	1.25	0.000716	± 2.5	PASS
		VN	30	-0.66	-0.000378	± 2.5	PASS
		VN	40	2.81	0.001610	± 2.5	PASS
		VN	50	3.8	0.002178	± 2.5	PASS
	HCH	VN	-30	-0.95	-0.000534	± 2.5	PASS
		VN	-20	4.52	0.002540	± 2.5	PASS
		VN	-10	0.84	0.000472	± 2.5	PASS
		VN	0	0.37	0.000208	± 2.5	PASS
		VN	10	1.88	0.001057	± 2.5	PASS
		VN	20	-0.62	-0.000348	± 2.5	PASS
		VN	30	3.63	0.002040	± 2.5	PASS

		VN	40	-1.72	-0.000967	± 2.5	PASS
		VN	50	0.02	0.000011	± 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	1.68	0.000981	± 2.5	PASS
		VN	TN	0.17	0.000099	± 2.5	PASS
		VH	TN	-0.9	-0.000526	± 2.5	PASS
	MCH	VL	TN	-0.25	-0.000143	± 2.5	PASS
		VN	TN	-0.73	-0.000418	± 2.5	PASS
		VH	TN	0.92	0.000527	± 2.5	PASS
	HCH	VL	TN	-1.42	-0.000798	± 2.5	PASS
		VN	TN	1.59	0.000894	± 2.5	PASS
		VH	TN	0.39	0.000219	± 2.5	PASS
16QAM	LCH	VL	TN	0.84	0.000491	± 2.5	PASS
		VN	TN	-0.65	-0.000380	± 2.5	PASS
		VH	TN	-1.82	-0.001063	± 2.5	PASS
	MCH	VL	TN	4.69	0.002688	± 2.5	PASS
		VN	TN	4.69	0.002688	± 2.5	PASS
		VH	TN	0.77	0.000441	± 2.5	PASS
	HCH	VL	TN	0.04	0.000022	± 2.5	PASS
		VN	TN	3.32	0.001867	± 2.5	PASS
		VH	TN	1.25	0.000703	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.41	-0.000239	± 2.5	PASS
		VN	-20	-0.3	-0.000175	± 2.5	PASS
		VN	-10	-1.62	-0.000946	± 2.5	PASS
		VN	0	-0.64	-0.000374	± 2.5	PASS
		VN	10	1.23	0.000718	± 2.5	PASS
		VN	20	2.64	0.001542	± 2.5	PASS
		VN	30	-0.64	-0.000374	± 2.5	PASS
		VN	40	-1.02	-0.000596	± 2.5	PASS
		VN	50	-0.53	-0.000309	± 2.5	PASS
	MCH	VN	-30	0.76	0.000436	± 2.5	PASS
		VN	-20	-0.36	-0.000206	± 2.5	PASS
		VN	-10	0.9	0.000516	± 2.5	PASS

		VN	0	3.84	0.002201	± 2.5	PASS
		VN	10	2.77	0.001587	± 2.5	PASS
		VN	20	2.02	0.001158	± 2.5	PASS
		VN	30	-0.88	-0.000504	± 2.5	PASS
		VN	40	4.41	0.002527	± 2.5	PASS
		VN	50	0.12	0.000069	± 2.5	PASS
	HCH	VN	-30	-1.62	-0.000911	± 2.5	PASS
		VN	-20	0.82	0.000461	± 2.5	PASS
		VN	-10	3.68	0.002069	± 2.5	PASS
		VN	0	-0.18	-0.000101	± 2.5	PASS
		VN	10	0.95	0.000534	± 2.5	PASS
		VN	20	1.1	0.000618	± 2.5	PASS
		VN	30	-0.24	-0.000135	± 2.5	PASS
		VN	40	1.79	0.001006	± 2.5	PASS
		VN	50	1.74	0.000978	± 2.5	PASS
16QAM	LCH	VN	-30	1.73	0.001010	± 2.5	PASS
		VN	-20	1.62	0.000946	± 2.5	PASS
		VN	-10	3.76	0.002196	± 2.5	PASS
		VN	0	-0.88	-0.000514	± 2.5	PASS
		VN	10	4.09	0.002388	± 2.5	PASS
		VN	20	1.34	0.000782	± 2.5	PASS
		VN	30	4.87	0.002844	± 2.5	PASS
		VN	40	4.77	0.002785	± 2.5	PASS
		VN	50	1.42	0.000829	± 2.5	PASS
	MCH	VN	-30	3.48	0.001994	± 2.5	PASS
		VN	-20	3.38	0.001937	± 2.5	PASS
		VN	-10	-1.57	-0.000900	± 2.5	PASS
		VN	0	4.51	0.002585	± 2.5	PASS
		VN	10	-1.87	-0.001072	± 2.5	PASS
		VN	20	1.51	0.000865	± 2.5	PASS
		VN	30	1.24	0.000711	± 2.5	PASS
		VN	40	-0.14	-0.000080	± 2.5	PASS
		VN	50	4.92	0.002819	± 2.5	PASS
	HCH	VN	-30	0.41	0.000231	± 2.5	PASS
		VN	-20	-0.01	-0.000006	± 2.5	PASS
		VN	-10	2.01	0.001130	± 2.5	PASS
		VN	0	1.7	0.000956	± 2.5	PASS
		VN	10	4.06	0.002283	± 2.5	PASS
		VN	20	-1.23	-0.000692	± 2.5	PASS
		VN	30	-1.03	-0.000579	± 2.5	PASS
		VN	40	-1.14	-0.000641	± 2.5	PASS

		VN	50	1.94	0.001091	± 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	2.14	0.001248	± 2.5	PASS
		VN	TN	1.03	0.000601	± 2.5	PASS
		VH	TN	-0.22	-0.000128	± 2.5	PASS
	MCH	VL	TN	2.68	0.001536	± 2.5	PASS
		VN	TN	1.22	0.000699	± 2.5	PASS
		VH	TN	2	0.001146	± 2.5	PASS
	HCH	VL	TN	-1.56	-0.000878	± 2.5	PASS
		VN	TN	-1.64	-0.000923	± 2.5	PASS
		VH	TN	4.02	0.002262	± 2.5	PASS
16QAM	LCH	VL	TN	-0.66	-0.000385	± 2.5	PASS
		VN	TN	0.94	0.000548	± 2.5	PASS
		VH	TN	1.39	0.000810	± 2.5	PASS
	MCH	VL	TN	0.46	0.000264	± 2.5	PASS
		VN	TN	-1.04	-0.000596	± 2.5	PASS
		VH	TN	-1.85	-0.001060	± 2.5	PASS
	HCH	VL	TN	2.04	0.001148	± 2.5	PASS
		VN	TN	3.77	0.002121	± 2.5	PASS
		VH	TN	-0.24	-0.000135	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.46	0.002601	± 2.5	PASS
		VN	-20	4.08	0.002379	± 2.5	PASS
		VN	-10	-0.9	-0.000525	± 2.5	PASS
		VN	0	-0.03	-0.000017	± 2.5	PASS
		VN	10	-1.55	-0.000904	± 2.5	PASS
		VN	20	4.78	0.002787	± 2.5	PASS
		VN	30	-0.97	-0.000566	± 2.5	PASS
		VN	40	0.28	0.000163	± 2.5	PASS
		VN	50	-1.6	-0.000933	± 2.5	PASS
	MCH	VN	-30	0.31	0.000178	± 2.5	PASS
		VN	-20	3.62	0.002074	± 2.5	PASS
		VN	-10	-1.03	-0.000590	± 2.5	PASS
		VN	0	-1.15	-0.000659	± 2.5	PASS

		VN	10	0.21	0.000120	± 2.5	PASS
		VN	20	-0.44	-0.000252	± 2.5	PASS
		VN	30	-1.73	-0.000991	± 2.5	PASS
		VN	40	1.44	0.000825	± 2.5	PASS
		VN	50	3.04	0.001742	± 2.5	PASS
	HCH	VN	-30	2.58	0.001451	± 2.5	PASS
		VN	-20	4.88	0.002745	± 2.5	PASS
		VN	-10	-1.73	-0.000973	± 2.5	PASS
		VN	0	-1.68	-0.000945	± 2.5	PASS
		VN	10	3.98	0.002239	± 2.5	PASS
		VN	20	2.38	0.001339	± 2.5	PASS
		VN	30	-1.3	-0.000731	± 2.5	PASS
		VN	40	4.75	0.002672	± 2.5	PASS
		VN	50	-0.58	-0.000326	± 2.5	PASS
		VN	-30	-1.43	-0.000834	± 2.5	PASS
16QAM	LCH	VN	-20	-1.3	-0.000758	± 2.5	PASS
		VN	-10	4.33	0.002525	± 2.5	PASS
		VN	0	2.97	0.001732	± 2.5	PASS
		VN	10	4.52	0.002636	± 2.5	PASS
		VN	20	4.79	0.002793	± 2.5	PASS
		VN	30	0.74	0.000431	± 2.5	PASS
		VN	40	-0.82	-0.000478	± 2.5	PASS
		VN	50	0.45	0.000262	± 2.5	PASS
	MCH	VN	-30	2.66	0.001524	± 2.5	PASS
		VN	-20	1.07	0.000613	± 2.5	PASS
		VN	-10	3.79	0.002172	± 2.5	PASS
		VN	0	4.95	0.002837	± 2.5	PASS
		VN	10	3.21	0.001840	± 2.5	PASS
		VN	20	-0.38	-0.000218	± 2.5	PASS
		VN	30	2.34	0.001341	± 2.5	PASS
		VN	40	0.15	0.000086	± 2.5	PASS
		VN	50	3.26	0.001868	± 2.5	PASS
	HCH	VN	-30	-1.1	-0.000619	± 2.5	PASS
		VN	-20	1.73	0.000973	± 2.5	PASS
		VN	-10	3.35	0.001885	± 2.5	PASS
		VN	0	3.25	0.001828	± 2.5	PASS
		VN	10	-1.57	-0.000883	± 2.5	PASS
		VN	20	1.65	0.000928	± 2.5	PASS
		VN	30	-1.12	-0.000630	± 2.5	PASS
		VN	40	1.65	0.000928	± 2.5	PASS
		VN	50	1.29	0.000726	± 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	2.88	0.001677	± 2.5	PASS
		VN	TN	0.28	0.000163	± 2.5	PASS
		VH	TN	-0.63	-0.000367	± 2.5	PASS
	MCH	VL	TN	4.79	0.002745	± 2.5	PASS
		VN	TN	0.4	0.000229	± 2.5	PASS
		VH	TN	2.19	0.001255	± 2.5	PASS
	HCH	VL	TN	-1.01	-0.000569	± 2.5	PASS
		VN	TN	0.03	0.000017	± 2.5	PASS
		VH	TN	0.62	0.000349	± 2.5	PASS
16QAM	LCH	VL	TN	-1.98	-0.001153	± 2.5	PASS
		VN	TN	-0.61	-0.000355	± 2.5	PASS
		VH	TN	3.86	0.002247	± 2.5	PASS
	MCH	VL	TN	2.42	0.001387	± 2.5	PASS
		VN	TN	0.43	0.000246	± 2.5	PASS
		VH	TN	-0.76	-0.000436	± 2.5	PASS
	HCH	VL	TN	3.72	0.002096	± 2.5	PASS
		VN	TN	4.65	0.002620	± 2.5	PASS
		VH	TN	-1.45	-0.000817	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.45	-0.000262	± 2.5	PASS
		VN	-20	-0.13	-0.000076	± 2.5	PASS
		VN	-10	2.36	0.001374	± 2.5	PASS
		VN	0	4.73	0.002754	± 2.5	PASS
		VN	10	-1.57	-0.000914	± 2.5	PASS
		VN	20	3.24	0.001886	± 2.5	PASS
		VN	30	-1.23	-0.000716	± 2.5	PASS
		VN	40	1.6	0.000932	± 2.5	PASS
		VN	50	1.83	0.001066	± 2.5	PASS
	MCH	VN	-30	4.81	0.002756	± 2.5	PASS
		VN	-20	2.58	0.001479	± 2.5	PASS
		VN	-10	0.36	0.000206	± 2.5	PASS
		VN	0	-1.84	-0.001054	± 2.5	PASS
		VN	10	2.71	0.001553	± 2.5	PASS

		VN	20	0.21	0.000120	± 2.5	PASS
		VN	30	3.85	0.002206	± 2.5	PASS
		VN	40	1.79	0.001026	± 2.5	PASS
		VN	50	0.72	0.000413	± 2.5	PASS
	HCH	VN	-30	-1.19	-0.000670	± 2.5	PASS
		VN	-20	1.7	0.000958	± 2.5	PASS
		VN	-10	2.5	0.001408	± 2.5	PASS
		VN	0	-0.45	-0.000254	± 2.5	PASS
		VN	10	-1.39	-0.000783	± 2.5	PASS
		VN	20	4.07	0.002293	± 2.5	PASS
		VN	30	-0.12	-0.000068	± 2.5	PASS
		VN	40	2.6	0.001465	± 2.5	PASS
		VN	50	3.14	0.001769	± 2.5	PASS
16QAM	LCH	VN	-30	-1.8	-0.001048	± 2.5	PASS
		VN	-20	2.04	0.001188	± 2.5	PASS
		VN	-10	2.85	0.001659	± 2.5	PASS
		VN	0	1.74	0.001013	± 2.5	PASS
		VN	10	4.31	0.002509	± 2.5	PASS
		VN	20	-1.36	-0.000792	± 2.5	PASS
		VN	30	0.29	0.000169	± 2.5	PASS
		VN	40	-1.4	-0.000815	± 2.5	PASS
		VN	50	3.31	0.001927	± 2.5	PASS
	MCH	VN	-30	1.1	0.000630	± 2.5	PASS
		VN	-20	2.36	0.001352	± 2.5	PASS
		VN	-10	0.01	0.000006	± 2.5	PASS
		VN	0	-1.76	-0.001009	± 2.5	PASS
		VN	10	2.4	0.001375	± 2.5	PASS
		VN	20	-0.65	-0.000372	± 2.5	PASS
		VN	30	0.94	0.000539	± 2.5	PASS
		VN	40	4.64	0.002659	± 2.5	PASS
		VN	50	1.49	0.000854	± 2.5	PASS
	HCH	VN	-30	-1.97	-0.001110	± 2.5	PASS
		VN	-20	0.53	0.000299	± 2.5	PASS
		VN	-10	1.33	0.000749	± 2.5	PASS
		VN	0	0.41	0.000231	± 2.5	PASS
		VN	10	-1.66	-0.000935	± 2.5	PASS
		VN	20	1.21	0.000682	± 2.5	PASS
		VN	30	-0.92	-0.000518	± 2.5	PASS
		VN	40	-1.67	-0.000941	± 2.5	PASS
		VN	50	0.23	0.000130	± 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	2.11	0.001227	± 2.5	PASS
		VN	TN	4.4	0.002558	± 2.5	PASS
		VH	TN	-0.74	-0.000430	± 2.5	PASS
	MCH	VL	TN	2.78	0.001593	± 2.5	PASS
		VN	TN	3.16	0.001811	± 2.5	PASS
		VH	TN	-0.96	-0.000550	± 2.5	PASS
	HCH	VL	TN	1.32	0.000745	± 2.5	PASS
		VN	TN	-0.73	-0.000412	± 2.5	PASS
		VH	TN	3.91	0.002206	± 2.5	PASS
16QAM	LCH	VL	TN	3.55	0.002064	± 2.5	PASS
		VN	TN	3.2	0.001860	± 2.5	PASS
		VH	TN	-0.4	-0.000233	± 2.5	PASS
	MCH	VL	TN	3.08	0.001765	± 2.5	PASS
		VN	TN	3.84	0.002201	± 2.5	PASS
		VH	TN	-0.96	-0.000550	± 2.5	PASS
	HCH	VL	TN	3.78	0.002133	± 2.5	PASS
		VN	TN	2.61	0.001472	± 2.5	PASS
		VH	TN	1.71	0.000965	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.04	0.000605	± 2.5	PASS
		VN	-20	3.1	0.001802	± 2.5	PASS
		VN	-10	-0.12	-0.000070	± 2.5	PASS
		VN	0	-0.11	-0.000064	± 2.5	PASS
		VN	10	4.85	0.002820	± 2.5	PASS
		VN	20	-1.14	-0.000663	± 2.5	PASS
		VN	30	4.55	0.002645	± 2.5	PASS
		VN	40	4.38	0.002547	± 2.5	PASS
		VN	50	4.45	0.002587	± 2.5	PASS
	MCH	VN	-30	5	0.002865	± 2.5	PASS
		VN	-20	4.86	0.002785	± 2.5	PASS
		VN	-10	3.74	0.002143	± 2.5	PASS
		VN	0	-0.63	-0.000361	± 2.5	PASS
		VN	10	1.86	0.001066	± 2.5	PASS
		VN	20	4.99	0.002860	± 2.5	PASS

		VN	30	4.28	0.002453	± 2.5	PASS
		VN	40	4.32	0.002476	± 2.5	PASS
		VN	50	-1.67	-0.000957	± 2.5	PASS
	HCH	VN	-30	-0.76	-0.000429	± 2.5	PASS
		VN	-20	1.51	0.000852	± 2.5	PASS
		VN	-10	-1.57	-0.000886	± 2.5	PASS
		VN	0	1.09	0.000615	± 2.5	PASS
		VN	10	1.56	0.000880	± 2.5	PASS
		VN	20	0.51	0.000288	± 2.5	PASS
		VN	30	0.38	0.000214	± 2.5	PASS
		VN	40	-0.61	-0.000344	± 2.5	PASS
		VN	50	0.66	0.000372	± 2.5	PASS
16QAM	LCH	VN	-30	4.87	0.002831	± 2.5	PASS
		VN	-20	-0.67	-0.000390	± 2.5	PASS
		VN	-10	0.6	0.000349	± 2.5	PASS
		VN	0	4.98	0.002895	± 2.5	PASS
		VN	10	3.21	0.001866	± 2.5	PASS
		VN	20	3.56	0.002070	± 2.5	PASS
		VN	30	2.34	0.001360	± 2.5	PASS
		VN	40	4.21	0.002448	± 2.5	PASS
		VN	50	1.17	0.000680	± 2.5	PASS
	MCH	VN	-30	2.37	0.001358	± 2.5	PASS
		VN	-20	1.9	0.001089	± 2.5	PASS
		VN	-10	4.72	0.002705	± 2.5	PASS
		VN	0	2.65	0.001519	± 2.5	PASS
		VN	10	4.46	0.002556	± 2.5	PASS
		VN	20	-1.02	-0.000585	± 2.5	PASS
		VN	30	2.92	0.001673	± 2.5	PASS
		VN	40	-1.39	-0.000797	± 2.5	PASS
		VN	50	-1.03	-0.000590	± 2.5	PASS
	HCH	VN	-30	3.6	0.002031	± 2.5	PASS
		VN	-20	4.01	0.002262	± 2.5	PASS
		VN	-10	3.36	0.001896	± 2.5	PASS
		VN	0	2.85	0.001608	± 2.5	PASS
		VN	10	-1.59	-0.000897	± 2.5	PASS
		VN	20	0.09	0.000051	± 2.5	PASS
		VN	30	3.85	0.002172	± 2.5	PASS
		VN	40	2.69	0.001518	± 2.5	PASS
		VN	50	1.32	0.000745	± 2.5	PASS