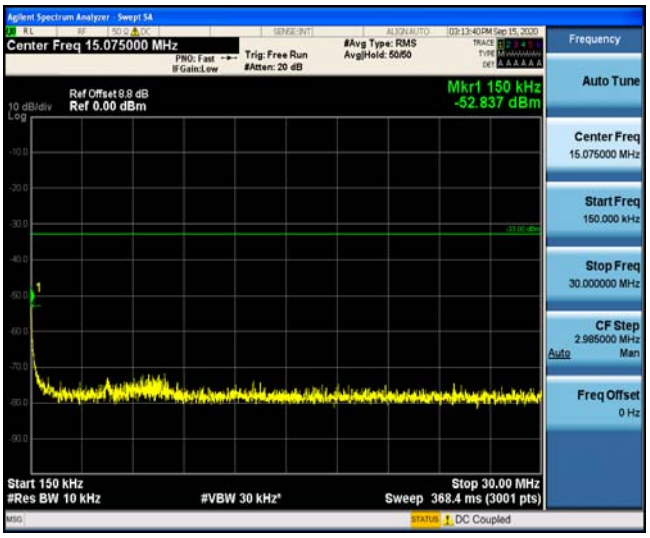
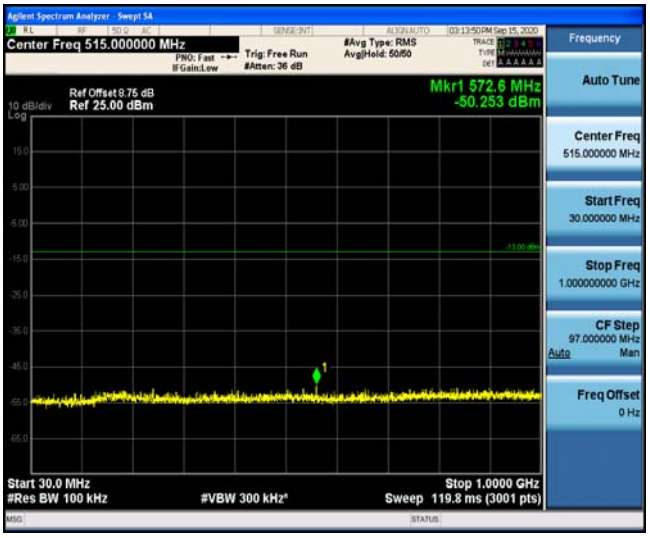


Band66_10MHz_16QAM_132022_1RB#0



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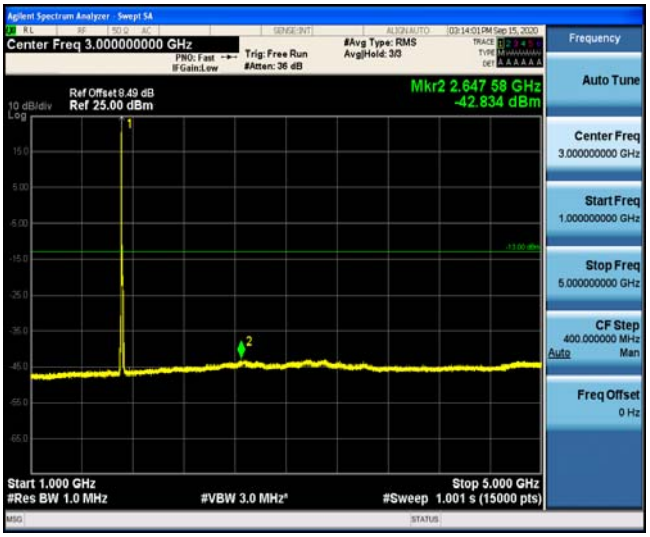
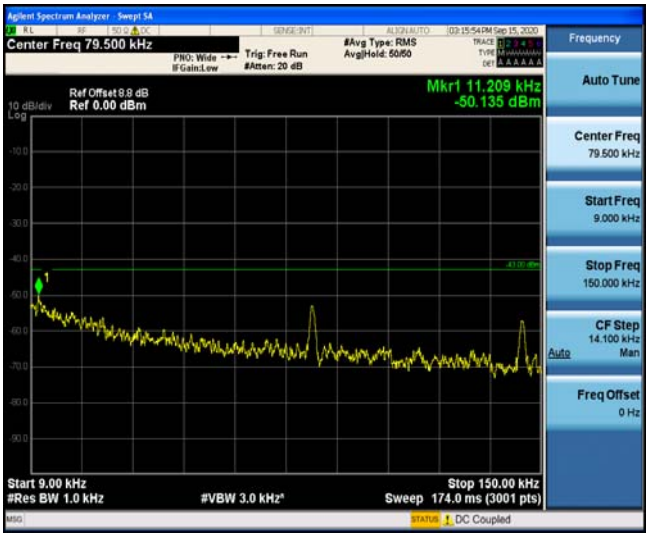


Band66_10MHz_16QAM_132022_1RB#0

Band66_10MHz_16QAM_132022_1RB#0

Band66_10MHz_16QAM_132322_1RB#0



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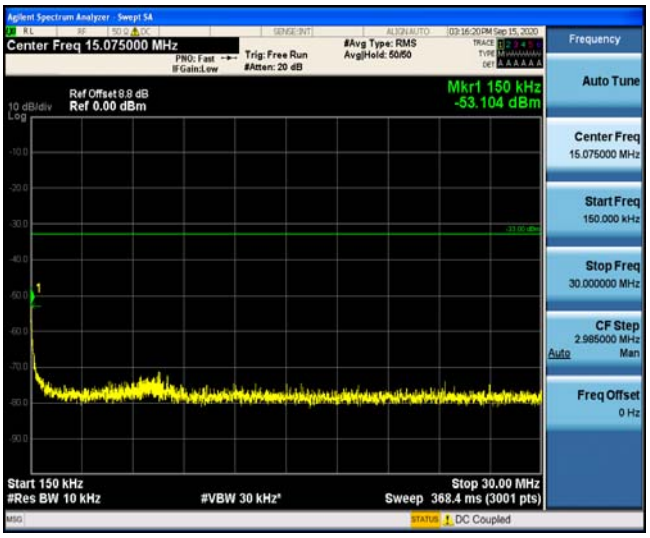

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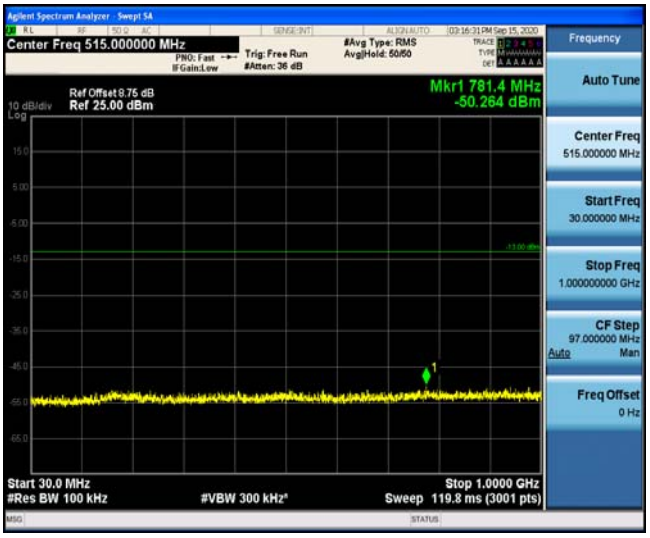
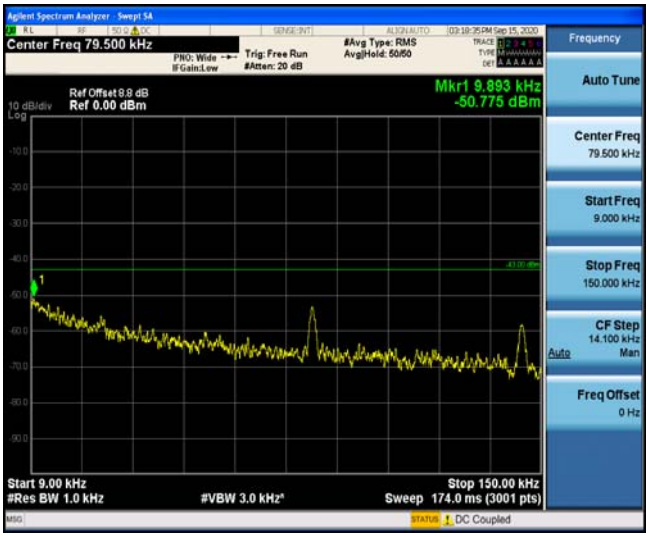


Band66_10MHz_16QAM_132322_1RB#0

Band66_10MHz_16QAM_132322_1RB#0

Band66_10MHz_16QAM_132322_1RB#0

Band66_10MHz_16QAM_132622_1RB#0



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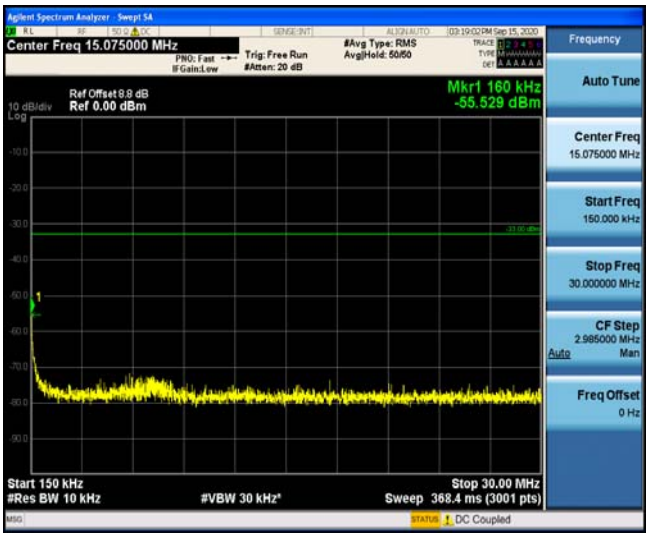


Band66_10MHz_16QAM_132622_1RB#0

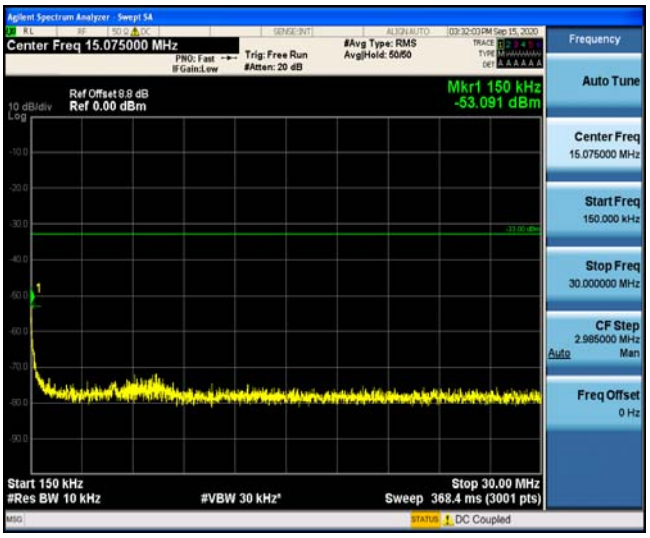
Band66_10MHz_16QAM_132622_1RB#0

Band66_10MHz_16QAM_132622_1RB#0

Band66_10MHz_16QAM_132622_1RB#0

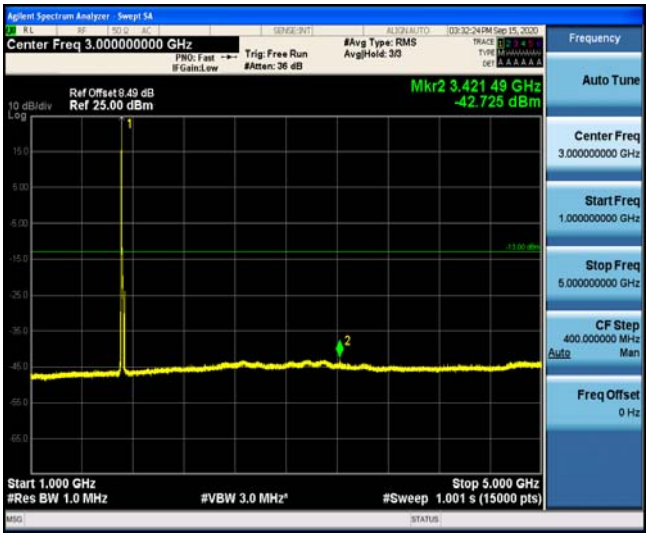
Band66_15MHz_QPSK_132047_1RB#0

Band66_15MHz_QPSK_132047_1RB#0



Band66_15MHz_QPSK_132047_1RB#0

Band66_15MHz_QPSK_132047_1RB#0



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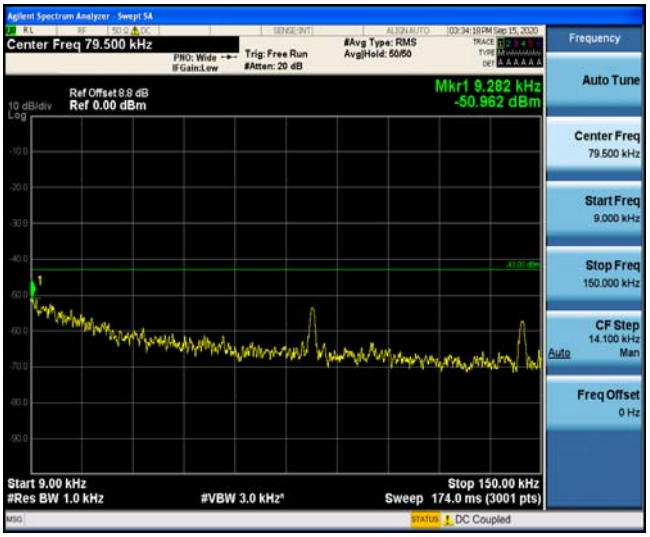
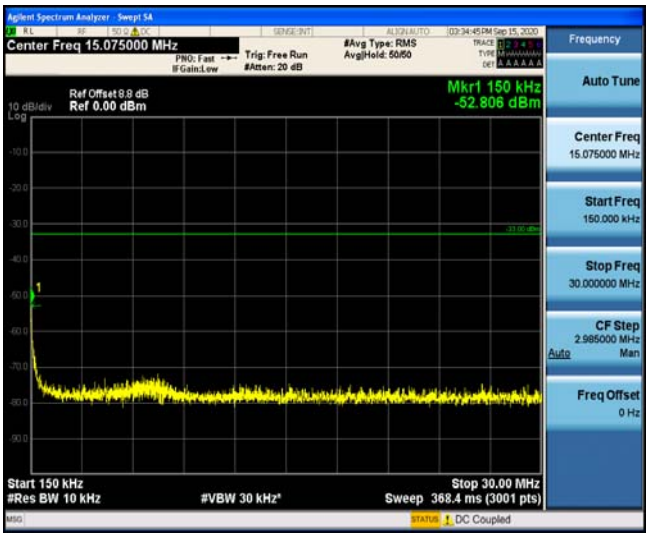
Band66_15MHz_QPSK_132047_1RB#0

Band66_15MHz_QPSK_132322_1RB#0

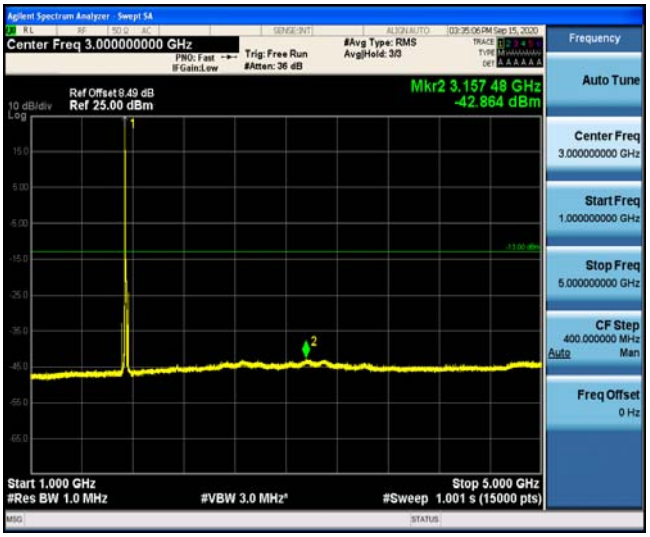


Band66_15MHz_QPSK_132322_1RB#0



Band66_15MHz_QPSK_132322_1RB#0

Band66_15MHz_QPSK_132322_1RB#0

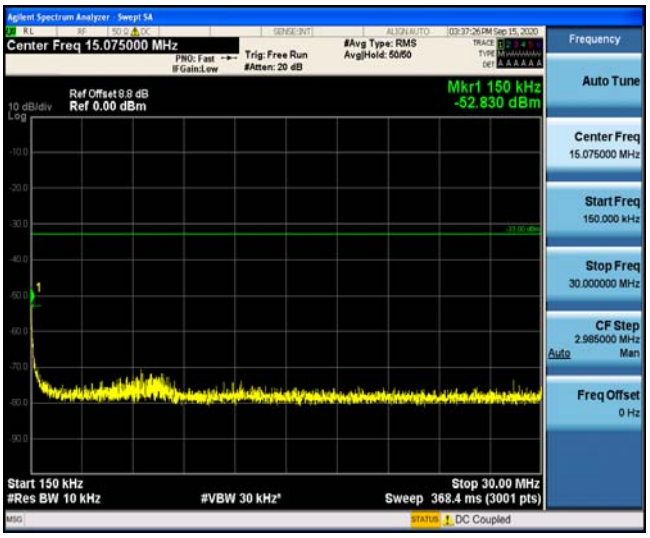


Band66_15MHz_QPSK_132322_1RB#0

Band66_15MHz_QPSK_132322_1RB#0

Band66_15MHz_QPSK_132597_1RB#0

Band66_15MHz_QPSK_132597_1RB#0



Band66_15MHz_QPSK_132597_1RB#0

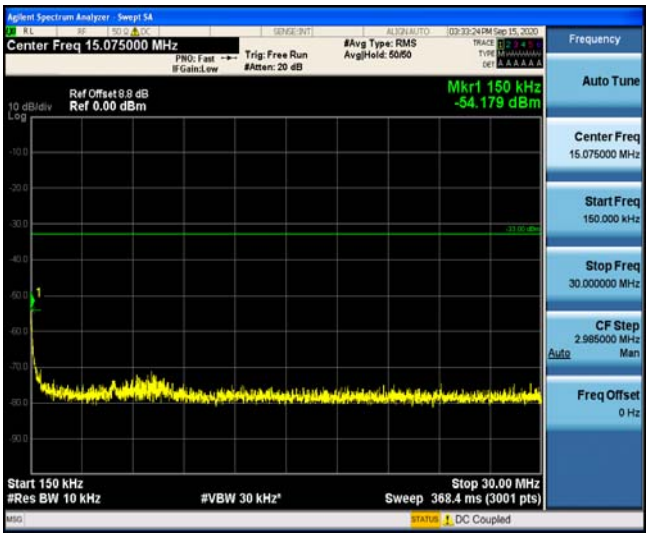
Band66_15MHz_QPSK_132597_1RB#0

Band66_15MHz_QPSK_132597_1RB#0

Band66_15MHz_QPSK_132597_1RB#0

Band66_15MHz_16QAM_132047_1RB#0

Band66_15MHz_16QAM_132047_1RB#0



Band66_15MHz_16QAM_132047_1RB#0

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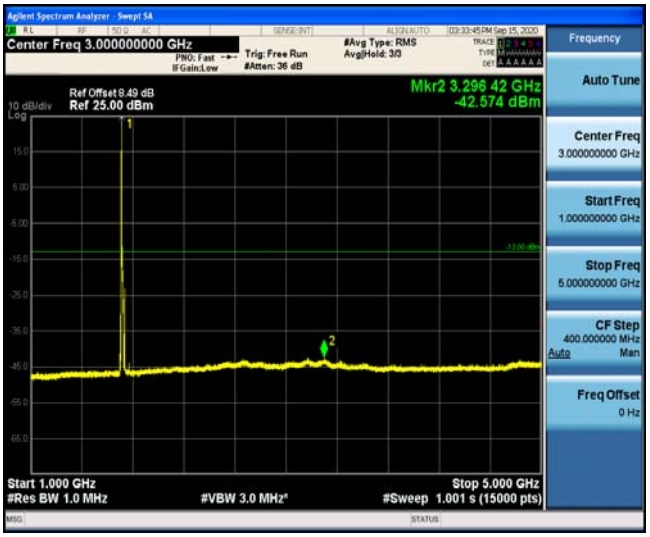

Band66_15MHz_16QAM_132047_1RB#0

Band66_15MHz_16QAM_132047_1RB#0

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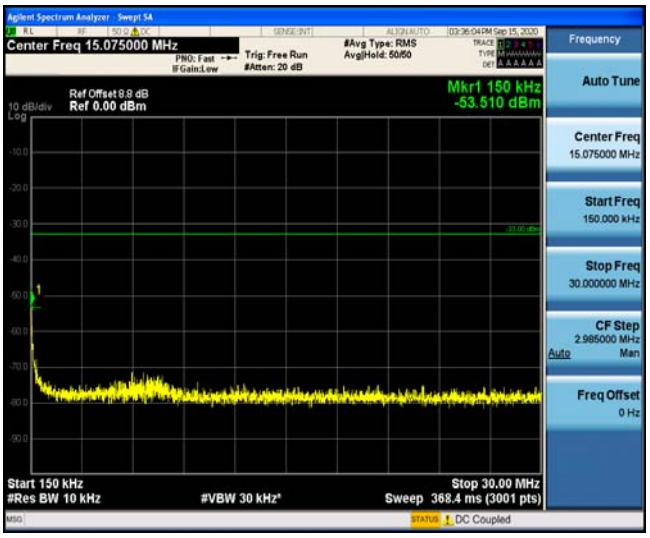
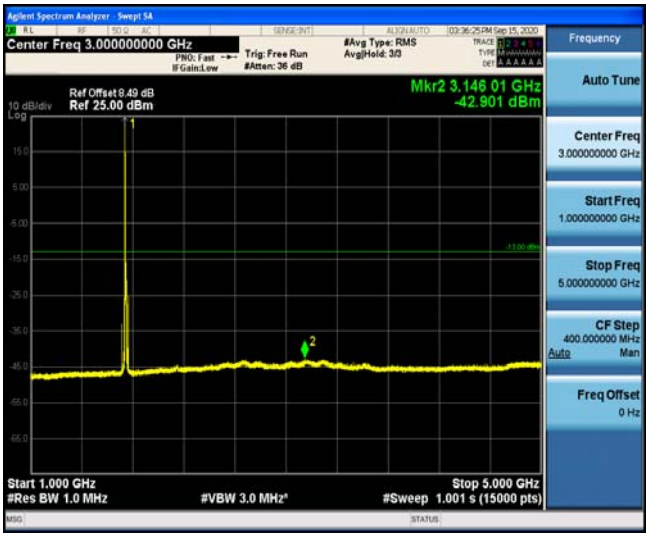
Band66_15MHz_16QAM_132322_1RB#0



Band66_15MHz_16QAM_132322_1RB#0

Band66_15MHz_16QAM_132322_1RB#0

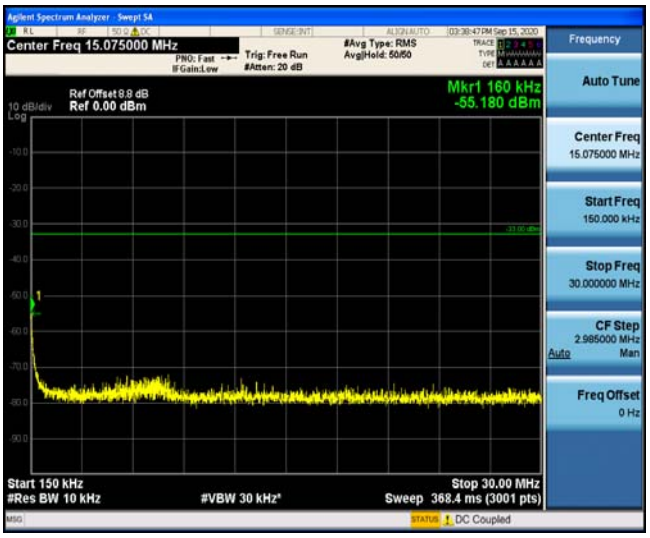


Band66_15MHz_16QAM_132322_1RB#0

Band66_15MHz_16QAM_132322_1RB#0

Band66_15MHz_16QAM_132597_1RB#0

Band66_15MHz_16QAM_132597_1RB#0



Band66_15MHz_16QAM_132597_1RB#0

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Band66_15MHz_16QAM_132597_1RB#0

Band66_15MHz_16QAM_132597_1RB#0

Band66_20MHz_QPSK_132072_1RB#0

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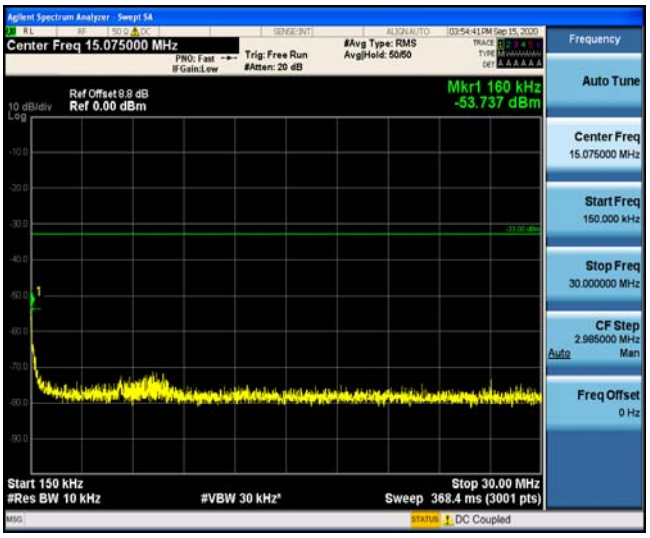

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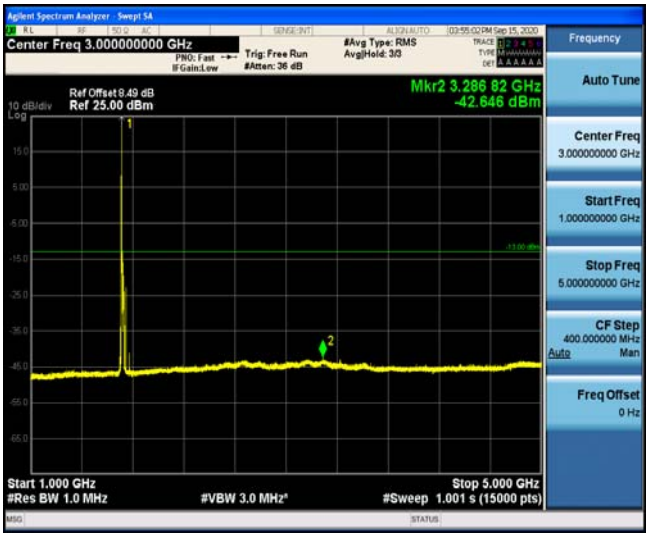

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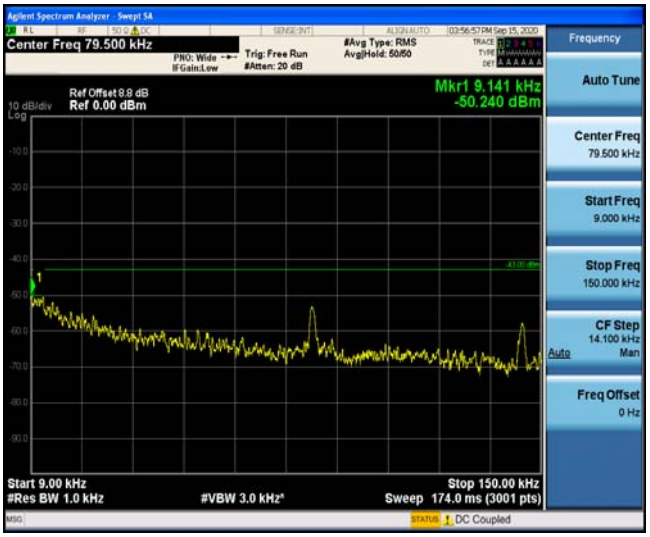
Band66_20MHz_QPSK_132322_1RB#0



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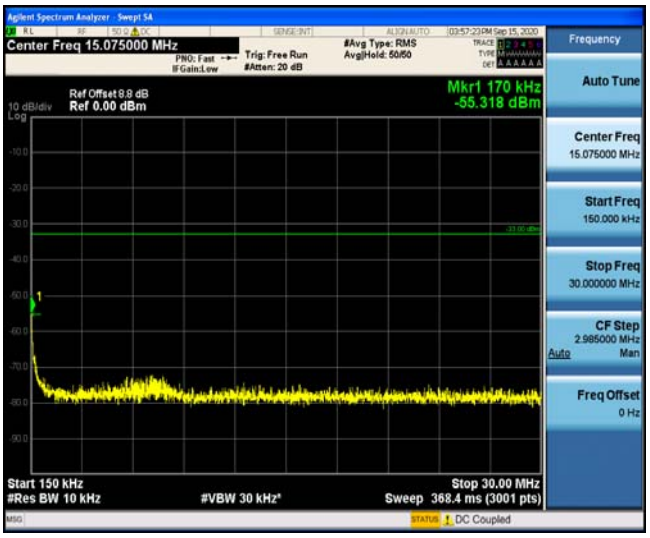

Band66_20MHz_QPSK_132322_1RB#0

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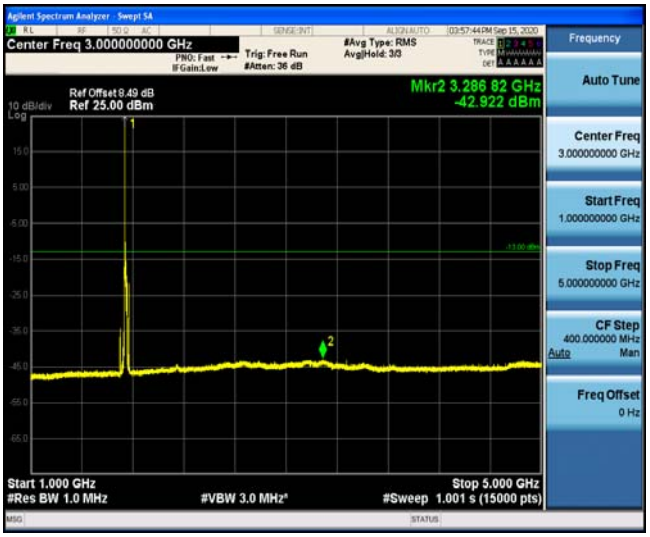

Band66_20MHz_QPSK_132322_1RB#0

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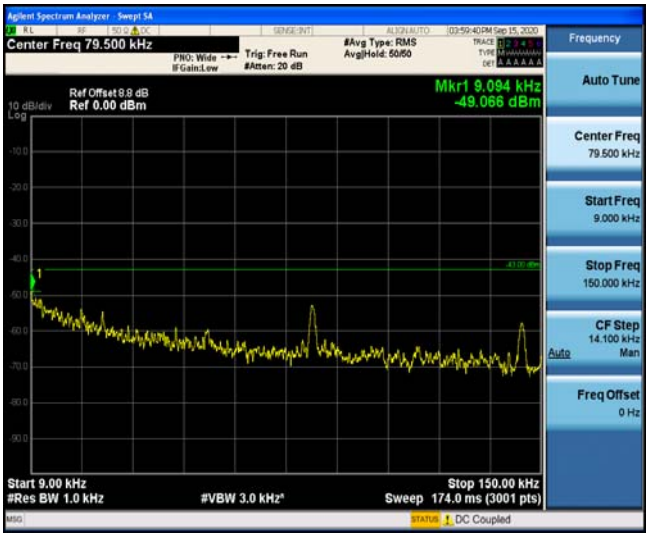
Band66_20MHz_QPSK_132572_1RB#0



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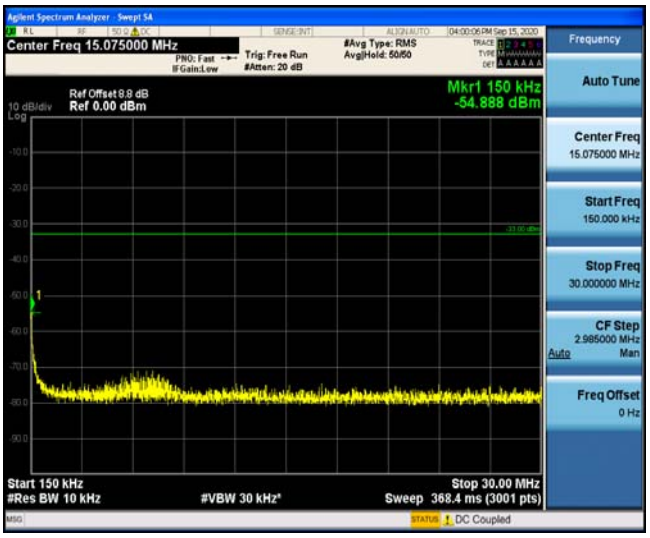

Band66_20MHz_QPSK_132572_1RB#0

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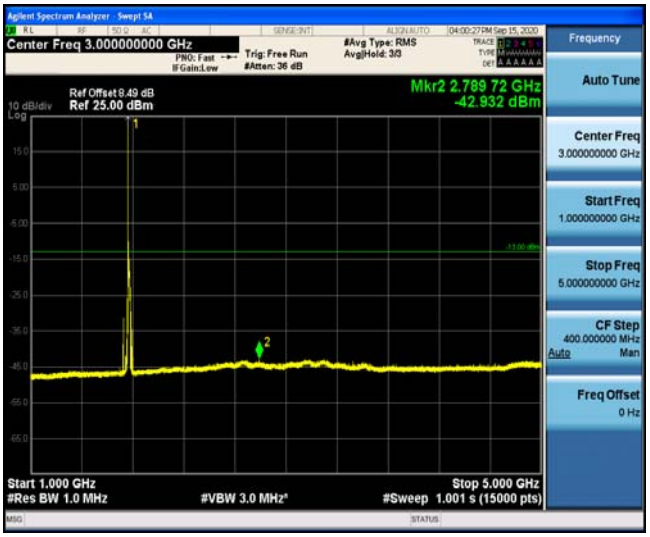
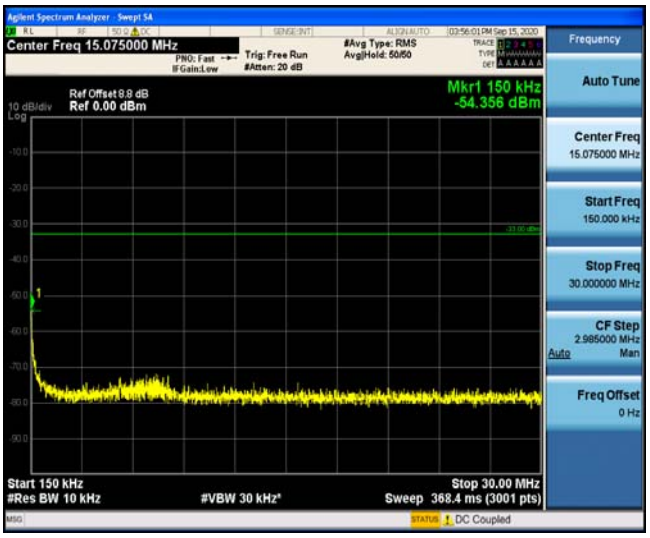


Band66_20MHz_QPSK_132572_1RB#0

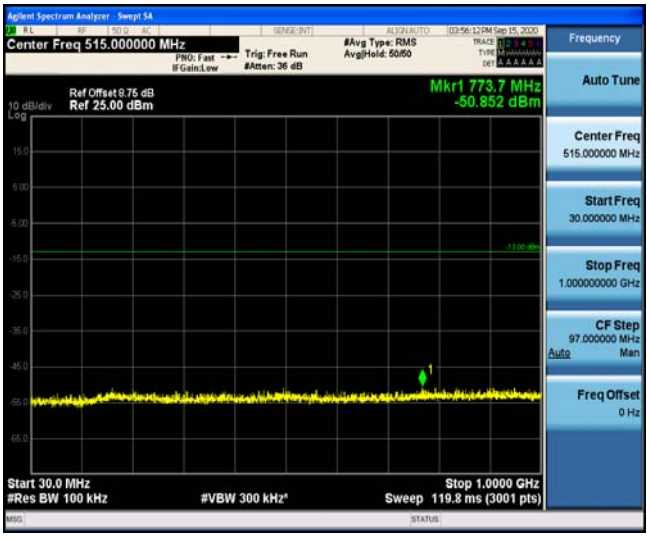
Band66_20MHz_QPSK_132572_1RB#0

Band66_20MHz_16QAM_132072_1RB#0

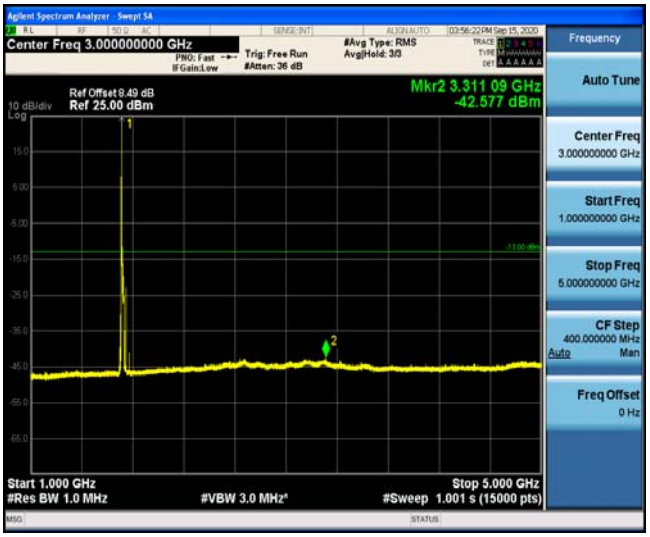
Band66_20MHz_16QAM_132072_1RB#0



Band66_20MHz_16QAM_132072_1RB#0



Band66_20MHz_16QAM_132072_1RB#0

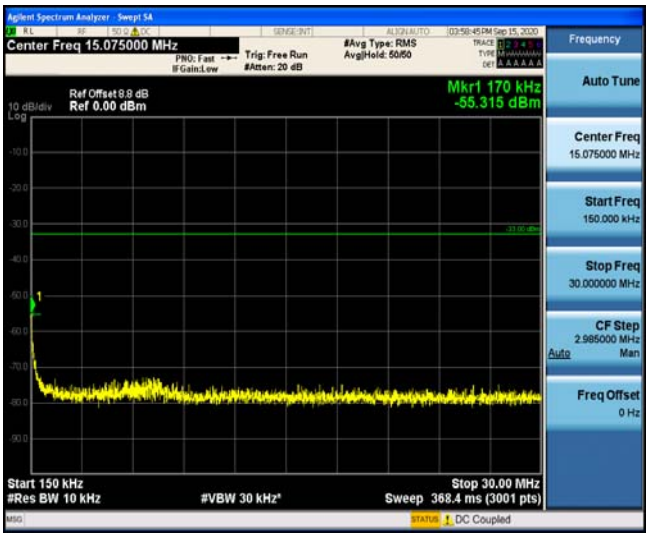


Band66_20MHz_16QAM_132072_1RB#0

Band66_20MHz_16QAM_132072_1RB#0

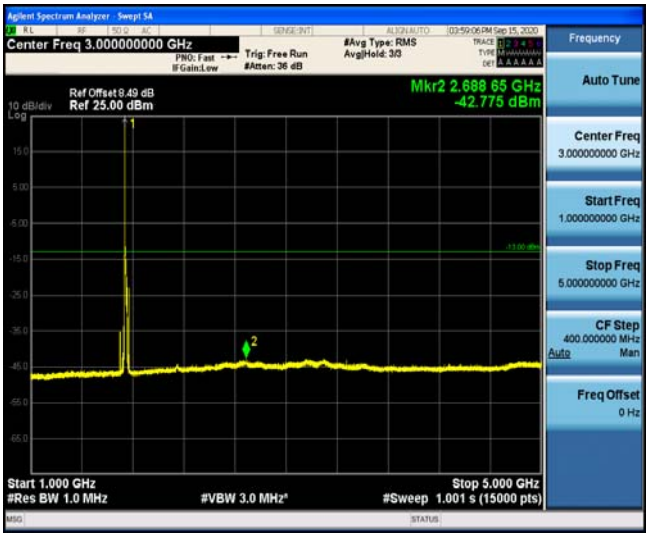
Band66_20MHz_16QAM_132322_1RB#0

Band66_20MHz_16QAM_132322_1RB#0



Band66_20MHz_16QAM_132322_1RB#0

Band66_20MHz_16QAM_132322_1RB#0

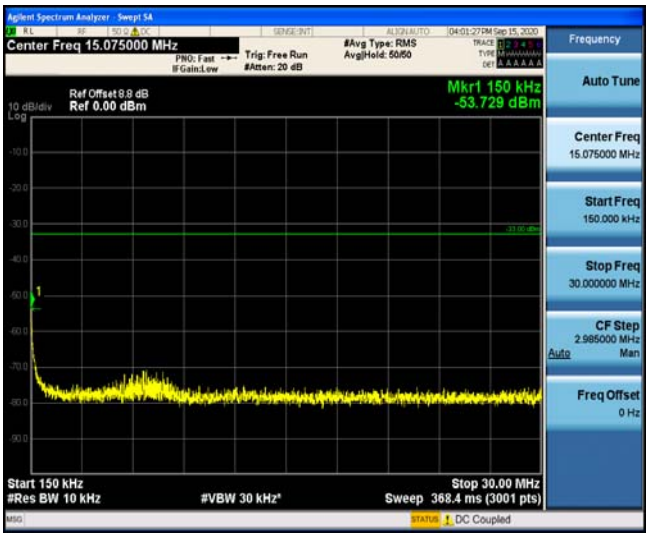


Band66_20MHz_16QAM_132322_1RB#0

Band66_20MHz_16QAM_132322_1RB#0

Band66_20MHz_16QAM_132572_1RB#0

Band66_20MHz_16QAM_132572_1RB#0



Band66_20MHz_16QAM_132572_1RB#0

Band66_20MHz_16QAM_132572_1RB#0

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 (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.84	-0.001076	± 2.5	PASS
		VN	TN	0.41	0.000240	± 2.5	PASS
		VH	TN	1.68	0.000982	± 2.5	PASS
	MCH	VL	TN	4.51	0.002585	± 2.5	PASS
		VN	TN	2.22	0.001272	± 2.5	PASS
		VH	TN	-1.33	-0.000762	± 2.5	PASS
	HCH	VL	TN	-0.88	-0.000495	± 2.5	PASS
		VN	TN	3.85	0.002164	± 2.5	PASS
		VH	TN	2.6	0.001461	± 2.5	PASS
16QAM	LCH	VL	TN	2.95	0.001724	± 2.5	PASS
		VN	TN	3.59	0.002099	± 2.5	PASS
		VH	TN	2.49	0.001456	± 2.5	PASS
	MCH	VL	TN	3.92	0.002246	± 2.5	PASS
		VN	TN	-1.09	-0.000625	± 2.5	PASS
		VH	TN	-1.35	-0.000774	± 2.5	PASS
	HCH	VL	TN	3.59	0.002018	± 2.5	PASS
		VN	TN	-0.47	-0.000264	± 2.5	PASS
		VH	TN	3.68	0.002068	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.16	-0.000678	± 2.5	PASS
		VN	-20	0.63	0.000368	± 2.5	PASS
		VN	-10	4.76	0.002782	± 2.5	PASS
		VN	0	4.04	0.002362	± 2.5	PASS
		VN	10	3.38	0.001976	± 2.5	PASS
		VN	20	-1.52	-0.000889	± 2.5	PASS
		VN	30	-1.84	-0.001076	± 2.5	PASS
		VN	40	2.12	0.001239	± 2.5	PASS
		VN	50	1.38	0.000807	± 2.5	PASS
	MCH	VN	-30	2	0.001146	± 2.5	PASS

		VN	-20	0.78	0.000447	± 2.5	PASS
		VN	-10	3.88	0.002223	± 2.5	PASS
		VN	0	3.24	0.001857	± 2.5	PASS
		VN	10	4.62	0.002648	± 2.5	PASS
		VN	20	1.02	0.000585	± 2.5	PASS
		VN	30	1.46	0.000837	± 2.5	PASS
		VN	40	-1.02	-0.000585	± 2.5	PASS
		VN	50	3.52	0.002017	± 2.5	PASS
	HCH	VN	-30	-0.36	-0.000202	± 2.5	PASS
		VN	-20	1.54	0.000866	± 2.5	PASS
		VN	-10	2.23	0.001253	± 2.5	PASS
		VN	0	3.81	0.002141	± 2.5	PASS
		VN	10	1.91	0.001073	± 2.5	PASS
		VN	20	1.18	0.000663	± 2.5	PASS
		VN	30	4.75	0.002670	± 2.5	PASS
		VN	40	3.96	0.002226	± 2.5	PASS
		VN	50	-1.35	-0.000759	± 2.5	PASS
16QAM	LCH	VN	-30	3.62	0.002116	± 2.5	PASS
		VN	-20	1.2	0.000701	± 2.5	PASS
		VN	-10	3.78	0.002210	± 2.5	PASS
		VN	0	2.53	0.001479	± 2.5	PASS
		VN	10	1.6	0.000935	± 2.5	PASS
		VN	20	4.83	0.002823	± 2.5	PASS
		VN	30	2.1	0.001228	± 2.5	PASS
		VN	40	-0.96	-0.000561	± 2.5	PASS
		VN	50	4.49	0.002625	± 2.5	PASS
	MCH	VN	-30	3.91	0.002241	± 2.5	PASS
		VN	-20	1.86	0.001066	± 2.5	PASS
		VN	-10	1.46	0.000837	± 2.5	PASS
		VN	0	-1.54	-0.000883	± 2.5	PASS
		VN	10	4.75	0.002722	± 2.5	PASS
		VN	20	-0.43	-0.000246	± 2.5	PASS
		VN	30	4.52	0.002590	± 2.5	PASS
		VN	40	-0.12	-0.000069	± 2.5	PASS
		VN	50	4.17	0.002390	± 2.5	PASS
	HCH	VN	-30	0.77	0.000433	± 2.5	PASS
		VN	-20	-1.62	-0.000910	± 2.5	PASS
		VN	-10	0.19	0.000107	± 2.5	PASS
		VN	0	1.7	0.000955	± 2.5	PASS
		VN	10	-1.61	-0.000905	± 2.5	PASS
		VN	20	0.42	0.000236	± 2.5	PASS

		VN	30	2.64	0.001484	± 2.5	PASS
		VN	40	-0.29	-0.000163	± 2.5	PASS
		VN	50	1.01	0.000568	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.14	-0.000082	± 2.5	PASS
		VN	TN	-1.29	-0.000754	± 2.5	PASS
		VH	TN	1.67	0.000976	± 2.5	PASS
	MCH	VL	TN	1.82	0.001043	± 2.5	PASS
		VN	TN	1.41	0.000808	± 2.5	PASS
		VH	TN	3.79	0.002172	± 2.5	PASS
	HCH	VL	TN	3.56	0.002001	± 2.5	PASS
		VN	TN	1.85	0.001040	± 2.5	PASS
		VH	TN	3.25	0.001827	± 2.5	PASS
16QAM	LCH	VL	TN	2.48	0.001449	± 2.5	PASS
		VN	TN	-1.37	-0.000800	± 2.5	PASS
		VH	TN	4.34	0.002536	± 2.5	PASS
	MCH	VL	TN	3.73	0.002138	± 2.5	PASS
		VN	TN	2.73	0.001564	± 2.5	PASS
		VH	TN	-0.49	-0.000281	± 2.5	PASS
	HCH	VL	TN	-1.55	-0.000871	± 2.5	PASS
		VN	TN	-0.23	-0.000129	± 2.5	PASS
		VH	TN	2.76	0.001551	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.76	0.001028	± 2.5	PASS
		VN	-20	2.85	0.001665	± 2.5	PASS
		VN	-10	0.15	0.000088	± 2.5	PASS
		VN	0	-0.22	-0.000129	± 2.5	PASS
		VN	10	1.27	0.000742	± 2.5	PASS
		VN	20	-1.01	-0.000590	± 2.5	PASS
		VN	30	0.92	0.000538	± 2.5	PASS
		VN	40	0.77	0.000450	± 2.5	PASS
		VN	50	-0.33	-0.000193	± 2.5	PASS
	MCH	VN	-30	1.69	0.000968	± 2.5	PASS
		VN	-20	2.88	0.001650	± 2.5	PASS

		VN	-10	4.84	0.002774	± 2.5	PASS
		VN	0	3.06	0.001754	± 2.5	PASS
		VN	10	1.81	0.001037	± 2.5	PASS
		VN	20	2.15	0.001232	± 2.5	PASS
		VN	30	-0.41	-0.000235	± 2.5	PASS
		VN	40	3.23	0.001851	± 2.5	PASS
		VN	50	1.21	0.000693	± 2.5	PASS
	HCH	VN	-30	0.77	0.000433	± 2.5	PASS
		VN	-20	-0.62	-0.000348	± 2.5	PASS
		VN	-10	-1.82	-0.001023	± 2.5	PASS
		VN	0	4.94	0.002776	± 2.5	PASS
		VN	10	-1.84	-0.001034	± 2.5	PASS
		VN	20	4.86	0.002731	± 2.5	PASS
		VN	30	3.82	0.002147	± 2.5	PASS
		VN	40	2.16	0.001214	± 2.5	PASS
		VN	50	4.32	0.002428	± 2.5	PASS
16QAM	LCH	VN	-30	1.65	0.000964	± 2.5	PASS
		VN	-20	-0.17	-0.000099	± 2.5	PASS
		VN	-10	0.63	0.000368	± 2.5	PASS
		VN	0	3.5	0.002045	± 2.5	PASS
		VN	10	-1.44	-0.000841	± 2.5	PASS
		VN	20	2.26	0.001320	± 2.5	PASS
		VN	30	-1.19	-0.000695	± 2.5	PASS
		VN	40	2.48	0.001449	± 2.5	PASS
		VN	50	0.2	0.000117	± 2.5	PASS
	MCH	VN	-30	4.35	0.002493	± 2.5	PASS
		VN	-20	1.34	0.000768	± 2.5	PASS
		VN	-10	1.58	0.000905	± 2.5	PASS
		VN	0	-1.68	-0.000963	± 2.5	PASS
		VN	10	4.64	0.002659	± 2.5	PASS
		VN	20	3.52	0.002017	± 2.5	PASS
		VN	30	3.93	0.002252	± 2.5	PASS
		VN	40	3.02	0.001731	± 2.5	PASS
		VN	50	-0.23	-0.000132	± 2.5	PASS
	HCH	VN	-30	-1.1	-0.000618	± 2.5	PASS
		VN	-20	4.06	0.002282	± 2.5	PASS
		VN	-10	5	0.002810	± 2.5	PASS
		VN	0	2.33	0.001310	± 2.5	PASS
		VN	10	4.27	0.002400	± 2.5	PASS
		VN	20	-1.49	-0.000837	± 2.5	PASS
		VN	30	2.52	0.001416	± 2.5	PASS

		VN	40	-0.95	-0.000534	± 2.5	PASS
		VN	50	-1.64	-0.000922	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.66	0.002721	± 2.5	PASS
		VN	TN	-1.01	-0.000590	± 2.5	PASS
		VH	TN	3.43	0.002003	± 2.5	PASS
	MCH	VL	TN	-0.25	-0.000143	± 2.5	PASS
		VN	TN	1.66	0.000951	± 2.5	PASS
		VH	TN	-0.6	-0.000344	± 2.5	PASS
	HCH	VL	TN	4.51	0.002536	± 2.5	PASS
		VN	TN	-0.89	-0.000500	± 2.5	PASS
		VH	TN	4.02	0.002260	± 2.5	PASS
16QAM	LCH	VL	TN	0.48	0.000280	± 2.5	PASS
		VN	TN	4.55	0.002657	± 2.5	PASS
		VH	TN	-0.01	-0.000006	± 2.5	PASS
	MCH	VL	TN	0.57	0.000327	± 2.5	PASS
		VN	TN	3.63	0.002080	± 2.5	PASS
		VH	TN	0.95	0.000544	± 2.5	PASS
	HCH	VL	TN	-1.42	-0.000798	± 2.5	PASS
		VN	TN	3.19	0.001794	± 2.5	PASS
		VH	TN	3.39	0.001906	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.13	0.000660	± 2.5	PASS
		VN	-20	1.72	0.001004	± 2.5	PASS
		VN	-10	4.34	0.002534	± 2.5	PASS
		VN	0	2.45	0.001431	± 2.5	PASS
		VN	10	4.58	0.002674	± 2.5	PASS
		VN	20	4.14	0.002418	± 2.5	PASS
		VN	30	1.52	0.000888	± 2.5	PASS
		VN	40	0.26	0.000152	± 2.5	PASS
		VN	50	-0.13	-0.000076	± 2.5	PASS
	MCH	VN	-30	2.07	0.001186	± 2.5	PASS
		VN	-20	2.64	0.001513	± 2.5	PASS
		VN	-10	1.85	0.001060	± 2.5	PASS

		VN	0	-1.33	-0.000762	± 2.5	PASS
		VN	10	0.26	0.000149	± 2.5	PASS
		VN	20	4.05	0.002321	± 2.5	PASS
		VN	30	3.96	0.002269	± 2.5	PASS
		VN	40	-0.35	-0.000201	± 2.5	PASS
		VN	50	-1.95	-0.001117	± 2.5	PASS
	HCH	VN	-30	1.86	0.001046	± 2.5	PASS
		VN	-20	-0.07	-0.000039	± 2.5	PASS
		VN	-10	4.16	0.002339	± 2.5	PASS
		VN	0	3.5	0.001968	± 2.5	PASS
		VN	10	2.24	0.001259	± 2.5	PASS
		VN	20	2.54	0.001428	± 2.5	PASS
		VN	30	4.62	0.002598	± 2.5	PASS
		VN	40	-0.75	-0.000422	± 2.5	PASS
		VN	50	4.62	0.002598	± 2.5	PASS
16QAM	LCH	VN	-30	4.44	0.002593	± 2.5	PASS
		VN	-20	-0.99	-0.000578	± 2.5	PASS
		VN	-10	-1.64	-0.000958	± 2.5	PASS
		VN	0	-1.4	-0.000818	± 2.5	PASS
		VN	10	3.95	0.002307	± 2.5	PASS
		VN	20	3.2	0.001869	± 2.5	PASS
		VN	30	4.27	0.002493	± 2.5	PASS
		VN	40	-0.25	-0.000146	± 2.5	PASS
		VN	50	0.73	0.000426	± 2.5	PASS
	MCH	VN	-30	2.43	0.001393	± 2.5	PASS
		VN	-20	4.37	0.002504	± 2.5	PASS
		VN	-10	0.16	0.000092	± 2.5	PASS
		VN	0	-0.72	-0.000413	± 2.5	PASS
		VN	10	1.46	0.000837	± 2.5	PASS
		VN	20	3.91	0.002241	± 2.5	PASS
		VN	30	2.06	0.001181	± 2.5	PASS
		VN	40	1.36	0.000779	± 2.5	PASS
		VN	50	0.97	0.000556	± 2.5	PASS
	HCH	VN	-30	1.17	0.000658	± 2.5	PASS
		VN	-20	0.1	0.000056	± 2.5	PASS
		VN	-10	1.44	0.000810	± 2.5	PASS
		VN	0	1.32	0.000742	± 2.5	PASS
		VN	10	-0.38	-0.000214	± 2.5	PASS
		VN	20	-1.8	-0.001012	± 2.5	PASS
		VN	30	0.04	0.000022	± 2.5	PASS
		VN	40	1.9	0.001068	± 2.5	PASS

		VN	50	-0.67	-0.000377	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.06	0.001201	± 2.5	PASS
		VN	TN	0.7	0.000408	± 2.5	PASS
		VH	TN	-0.33	-0.000192	± 2.5	PASS
	MCH	VL	TN	-1.26	-0.000722	± 2.5	PASS
		VN	TN	4.73	0.002711	± 2.5	PASS
		VH	TN	4.81	0.002756	± 2.5	PASS
	HCH	VL	TN	1.57	0.000883	± 2.5	PASS
		VN	TN	0.95	0.000534	± 2.5	PASS
		VH	TN	1.85	0.001041	± 2.5	PASS
16QAM	LCH	VL	TN	3.06	0.001784	± 2.5	PASS
		VN	TN	-1.06	-0.000618	± 2.5	PASS
		VH	TN	2.5	0.001458	± 2.5	PASS
	MCH	VL	TN	0.38	0.000218	± 2.5	PASS
		VN	TN	-0.1	-0.000057	± 2.5	PASS
		VH	TN	1.71	0.000980	± 2.5	PASS
	HCH	VL	TN	3.91	0.002200	± 2.5	PASS
		VN	TN	0.51	0.000287	± 2.5	PASS
		VH	TN	1.36	0.000765	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.16	0.000675	± 2.5	PASS
		VN	-20	-1.12	-0.000652	± 2.5	PASS
		VN	-10	3.71	0.002160	± 2.5	PASS
		VN	0	1.3	0.000757	± 2.5	PASS
		VN	10	-0.9	-0.000524	± 2.5	PASS
		VN	20	3.88	0.002259	± 2.5	PASS
		VN	30	0.06	0.000035	± 2.5	PASS
		VN	40	1.07	0.000623	± 2.5	PASS
		VN	50	1.61	0.000937	± 2.5	PASS
	MCH	VN	-30	2.66	0.001524	± 2.5	PASS
		VN	-20	1.84	0.001054	± 2.5	PASS
		VN	-10	-1.31	-0.000751	± 2.5	PASS
		VN	0	4.58	0.002625	± 2.5	PASS

		VN	10	0.71	0.000407	± 2.5	PASS
		VN	20	0.36	0.000206	± 2.5	PASS
		VN	30	2.53	0.001450	± 2.5	PASS
		VN	40	1.39	0.000797	± 2.5	PASS
		VN	50	3.87	0.002218	± 2.5	PASS
	HCH	VN	-30	4.03	0.002270	± 2.5	PASS
		VN	-20	1.21	0.000682	± 2.5	PASS
		VN	-10	2.78	0.001566	± 2.5	PASS
		VN	0	2.08	0.001172	± 2.5	PASS
		VN	10	0.1	0.000056	± 2.5	PASS
		VN	20	4.9	0.002761	± 2.5	PASS
		VN	30	-0.87	-0.000490	± 2.5	PASS
		VN	40	0.75	0.000423	± 2.5	PASS
		VN	50	2.12	0.001194	± 2.5	PASS
	LCH	VN	-30	2.45	0.001426	± 2.5	PASS
		VN	-20	-1.26	-0.000734	± 2.5	PASS
		VN	-10	1.06	0.000617	± 2.5	PASS
		VN	0	3.92	0.002282	± 2.5	PASS
		VN	10	-1.72	-0.001001	± 2.5	PASS
		VN	20	3.3	0.001921	± 2.5	PASS
		VN	30	-1.94	-0.001130	± 2.5	PASS
		VN	40	-0.13	-0.000076	± 2.5	PASS
		VN	50	-1.07	-0.000623	± 2.5	PASS
16QAM	MCH	VN	-30	3.76	0.002155	± 2.5	PASS
		VN	-20	0.06	0.000034	± 2.5	PASS
		VN	-10	0.58	0.000332	± 2.5	PASS
		VN	0	1.37	0.000785	± 2.5	PASS
		VN	10	0.45	0.000258	± 2.5	PASS
		VN	20	-0.53	-0.000304	± 2.5	PASS
		VN	30	4.32	0.002476	± 2.5	PASS
		VN	40	0.42	0.000241	± 2.5	PASS
		VN	50	3.23	0.001851	± 2.5	PASS
	HCH	VN	-30	2.46	0.001386	± 2.5	PASS
		VN	-20	-1.79	-0.001008	± 2.5	PASS
		VN	-10	0.66	0.000372	± 2.5	PASS
		VN	0	0.61	0.000344	± 2.5	PASS
		VN	10	4.77	0.002687	± 2.5	PASS
		VN	20	-0.53	-0.000299	± 2.5	PASS
		VN	30	-1.23	-0.000693	± 2.5	PASS
		VN	40	-1.03	-0.000580	± 2.5	PASS
		VN	50	-1.56	-0.000879	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.51	0.000879	± 2.5	PASS
		VN	TN	0.9	0.000524	± 2.5	PASS
		VH	TN	4.3	0.002504	± 2.5	PASS
	MCH	VL	TN	3.77	0.002160	± 2.5	PASS
		VN	TN	1.37	0.000785	± 2.5	PASS
		VH	TN	-1.5	-0.000860	± 2.5	PASS
	HCH	VL	TN	2.39	0.001346	± 2.5	PASS
		VN	TN	0.16	0.000090	± 2.5	PASS
		VH	TN	2.83	0.001594	± 2.5	PASS
16QAM	LCH	VL	TN	0.01	0.000006	± 2.5	PASS
		VN	TN	0.16	0.000093	± 2.5	PASS
		VH	TN	0.08	0.000047	± 2.5	PASS
	MCH	VL	TN	3.57	0.002046	± 2.5	PASS
		VN	TN	4.46	0.002556	± 2.5	PASS
		VH	TN	1.92	0.001100	± 2.5	PASS
	HCH	VL	TN	0.33	0.000186	± 2.5	PASS
		VN	TN	3.96	0.002231	± 2.5	PASS
		VH	TN	3.35	0.001887	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.64	0.001537	± 2.5	PASS
		VN	-20	1.86	0.001083	± 2.5	PASS
		VN	-10	3.59	0.002090	± 2.5	PASS
		VN	0	-0.66	-0.000384	± 2.5	PASS
		VN	10	1.23	0.000716	± 2.5	PASS
		VN	20	4.16	0.002422	± 2.5	PASS
		VN	30	1.23	0.000716	± 2.5	PASS
		VN	40	0.25	0.000146	± 2.5	PASS
		VN	50	4.16	0.002422	± 2.5	PASS
	MCH	VN	-30	4.37	0.002504	± 2.5	PASS
		VN	-20	1.68	0.000963	± 2.5	PASS
		VN	-10	0.05	0.000029	± 2.5	PASS
		VN	0	-1.53	-0.000877	± 2.5	PASS
		VN	10	0.09	0.000052	± 2.5	PASS

		VN	20	-1.9	-0.001089	± 2.5	PASS
		VN	30	-0.32	-0.000183	± 2.5	PASS
		VN	40	-0.96	-0.000550	± 2.5	PASS
		VN	50	-0.56	-0.000321	± 2.5	PASS
	HCH	VN	-30	1.41	0.000794	± 2.5	PASS
		VN	-20	1.95	0.001099	± 2.5	PASS
		VN	-10	1.97	0.001110	± 2.5	PASS
		VN	0	2.47	0.001392	± 2.5	PASS
		VN	10	3.61	0.002034	± 2.5	PASS
		VN	20	4.09	0.002304	± 2.5	PASS
		VN	30	1.53	0.000862	± 2.5	PASS
		VN	40	1.19	0.000670	± 2.5	PASS
		VN	50	3.96	0.002231	± 2.5	PASS
16QAM	LCH	VN	-30	-1.91	-0.001112	± 2.5	PASS
		VN	-20	4.36	0.002539	± 2.5	PASS
		VN	-10	2.93	0.001706	± 2.5	PASS
		VN	0	2.92	0.001700	± 2.5	PASS
		VN	10	2.56	0.001491	± 2.5	PASS
		VN	20	4.95	0.002882	± 2.5	PASS
		VN	30	-0.47	-0.000274	± 2.5	PASS
		VN	40	4.71	0.002742	± 2.5	PASS
		VN	50	0.18	0.000105	± 2.5	PASS
	MCH	VN	-30	-1.14	-0.000653	± 2.5	PASS
		VN	-20	0.42	0.000241	± 2.5	PASS
		VN	-10	2.52	0.001444	± 2.5	PASS
		VN	0	-1.3	-0.000745	± 2.5	PASS
		VN	10	-0.98	-0.000562	± 2.5	PASS
		VN	20	4.12	0.002361	± 2.5	PASS
		VN	30	2.34	0.001341	± 2.5	PASS
		VN	40	4.4	0.002521	± 2.5	PASS
		VN	50	3.63	0.002080	± 2.5	PASS
	HCH	VN	-30	-0.57	-0.000321	± 2.5	PASS
		VN	-20	1.73	0.000975	± 2.5	PASS
		VN	-10	2.86	0.001611	± 2.5	PASS
		VN	0	4.97	0.002800	± 2.5	PASS
		VN	10	4.52	0.002546	± 2.5	PASS
		VN	20	0.92	0.000518	± 2.5	PASS
		VN	30	0.75	0.000423	± 2.5	PASS
		VN	40	0.53	0.000299	± 2.5	PASS
		VN	50	1.68	0.000946	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.56	-0.000326	± 2.5	PASS
		VN	TN	3.34	0.001942	± 2.5	PASS
		VH	TN	3.63	0.002110	± 2.5	PASS
	MCH	VL	TN	2.37	0.001358	± 2.5	PASS
		VN	TN	-0.23	-0.000132	± 2.5	PASS
		VH	TN	4.11	0.002355	± 2.5	PASS
	HCH	VL	TN	3.39	0.001913	± 2.5	PASS
		VN	TN	-0.84	-0.000474	± 2.5	PASS
		VH	TN	3.53	0.001992	± 2.5	PASS
16QAM	LCH	VL	TN	3.28	0.001907	± 2.5	PASS
		VN	TN	2.45	0.001424	± 2.5	PASS
		VH	TN	3.96	0.002302	± 2.5	PASS
	MCH	VL	TN	3.61	0.002069	± 2.5	PASS
		VN	TN	3.08	0.001765	± 2.5	PASS
		VH	TN	0.19	0.000109	± 2.5	PASS
	HCH	VL	TN	-0.81	-0.000457	± 2.5	PASS
		VN	TN	0.13	0.000073	± 2.5	PASS
		VH	TN	1.45	0.000818	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.8	0.001047	± 2.5	PASS
		VN	-20	3.22	0.001872	± 2.5	PASS
		VN	-10	-0.84	-0.000488	± 2.5	PASS
		VN	0	-1.54	-0.000895	± 2.5	PASS
		VN	10	-1.59	-0.000924	± 2.5	PASS
		VN	20	3.1	0.001802	± 2.5	PASS
		VN	30	-1.85	-0.001076	± 2.5	PASS
		VN	40	2.78	0.001616	± 2.5	PASS
		VN	50	0.96	0.000558	± 2.5	PASS
	MCH	VN	-30	1.34	0.000768	± 2.5	PASS
		VN	-20	3.3	0.001891	± 2.5	PASS
		VN	-10	-0.52	-0.000298	± 2.5	PASS
		VN	0	4.18	0.002395	± 2.5	PASS
		VN	10	2.87	0.001645	± 2.5	PASS
		VN	20	0.25	0.000143	± 2.5	PASS

		VN	30	1.22	0.000699	± 2.5	PASS
		VN	40	4	0.002292	± 2.5	PASS
		VN	50	2.54	0.001456	± 2.5	PASS
	HCH	VN	-30	1.73	0.000976	± 2.5	PASS
		VN	-20	3.72	0.002099	± 2.5	PASS
		VN	-10	2.42	0.001365	± 2.5	PASS
		VN	0	3.35	0.001890	± 2.5	PASS
		VN	10	3.58	0.002020	± 2.5	PASS
		VN	20	0.8	0.000451	± 2.5	PASS
		VN	30	-0.82	-0.000463	± 2.5	PASS
		VN	40	0.05	0.000028	± 2.5	PASS
		VN	50	-1.79	-0.001010	± 2.5	PASS
16QAM	LCH	VN	-30	-0.02	-0.000012	± 2.5	PASS
		VN	-20	1.57	0.000913	± 2.5	PASS
		VN	-10	-1.02	-0.000593	± 2.5	PASS
		VN	0	-0.09	-0.000052	± 2.5	PASS
		VN	10	0.81	0.000471	± 2.5	PASS
		VN	20	-1.27	-0.000738	± 2.5	PASS
		VN	30	2.99	0.001738	± 2.5	PASS
		VN	40	4.19	0.002436	± 2.5	PASS
		VN	50	3.11	0.001808	± 2.5	PASS
	MCH	VN	-30	2.69	0.001542	± 2.5	PASS
		VN	-20	0.25	0.000143	± 2.5	PASS
		VN	-10	2.66	0.001524	± 2.5	PASS
		VN	0	3.73	0.002138	± 2.5	PASS
		VN	10	0.42	0.000241	± 2.5	PASS
		VN	20	4.21	0.002413	± 2.5	PASS
		VN	30	1.2	0.000688	± 2.5	PASS
		VN	40	1.85	0.001060	± 2.5	PASS
		VN	50	2.16	0.001238	± 2.5	PASS
	HCH	VN	-30	3.35	0.001890	± 2.5	PASS
		VN	-20	3.51	0.001980	± 2.5	PASS
		VN	-10	4.63	0.002612	± 2.5	PASS
		VN	0	1.37	0.000773	± 2.5	PASS
		VN	10	-0.33	-0.000186	± 2.5	PASS
		VN	20	4.89	0.002759	± 2.5	PASS
		VN	30	2.39	0.001348	± 2.5	PASS
		VN	40	3.03	0.001709	± 2.5	PASS
		VN	50	1.75	0.000987	± 2.5	PASS