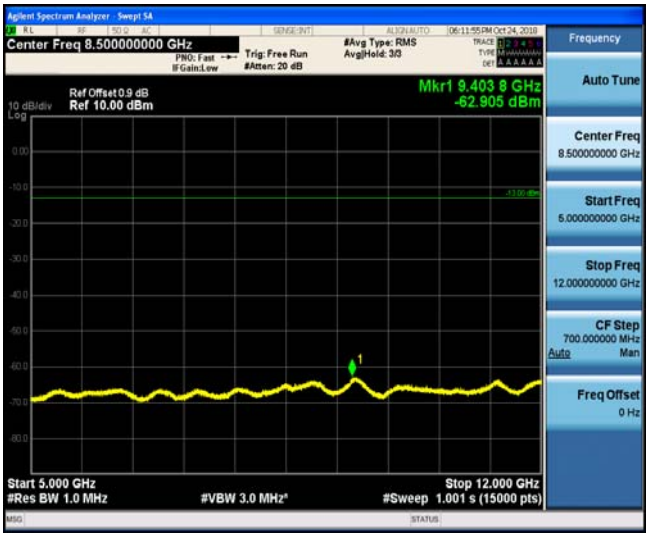
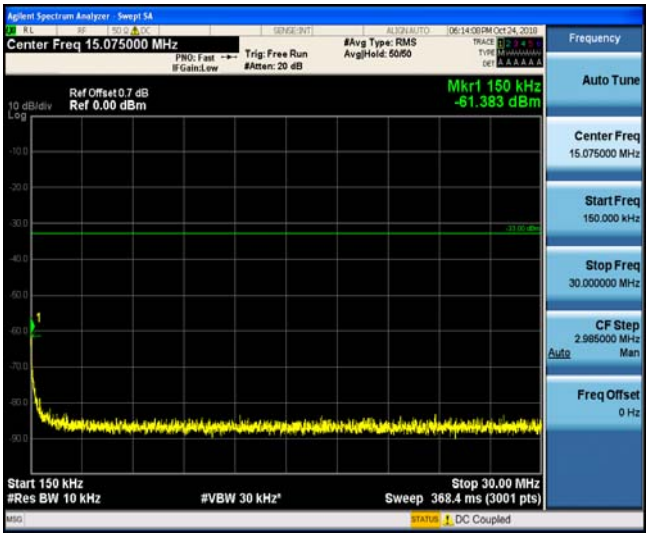


Band2_5MHz_16QAM_18900_1RB#0

Band2_5MHz_16QAM_19175_1RB#0

Band2_5MHz_16QAM_19175_1RB#0



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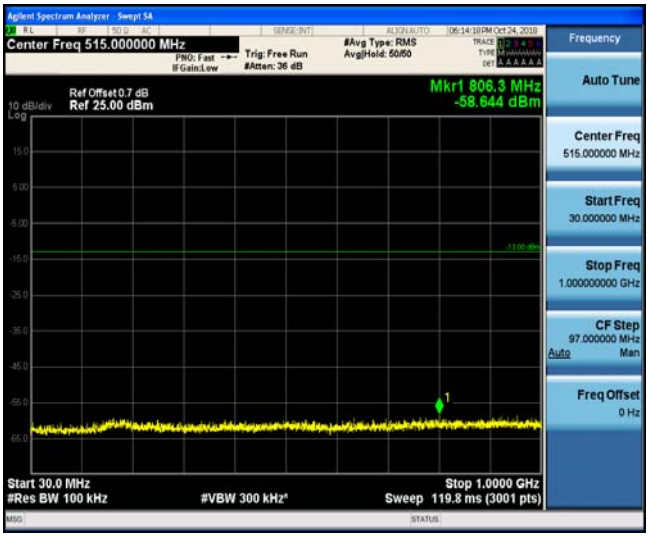

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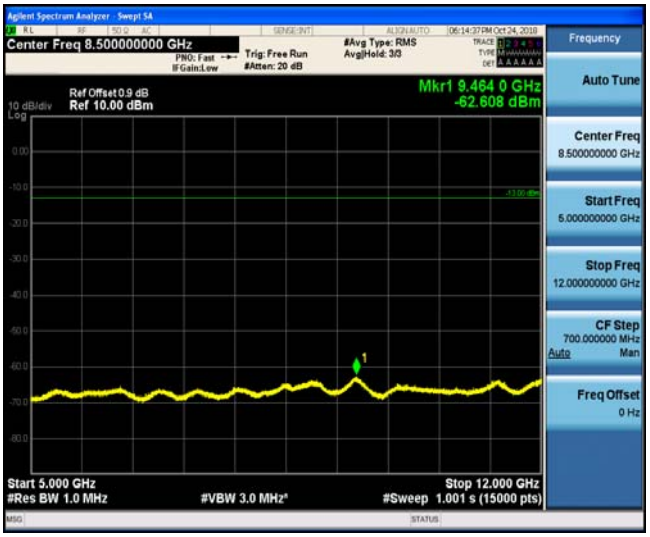
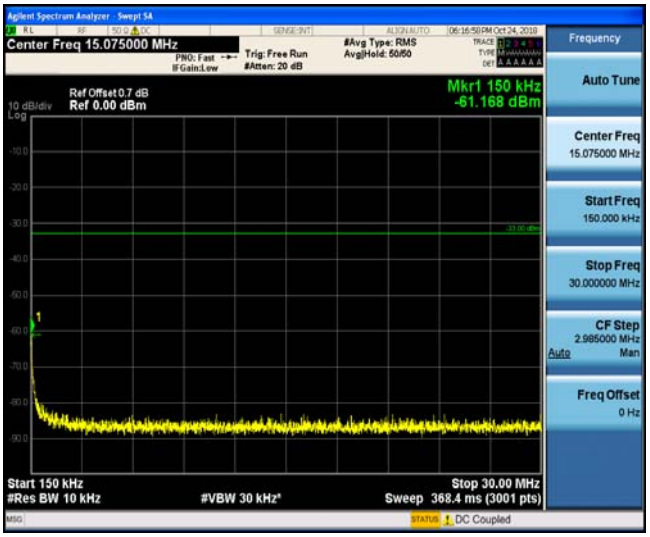


Band2_5MHz_16QAM_19175_1RB#0

Band2_10MHz_QPSK_18650_1RB#0

Band2_10MHz_QPSK_18650_1RB#0



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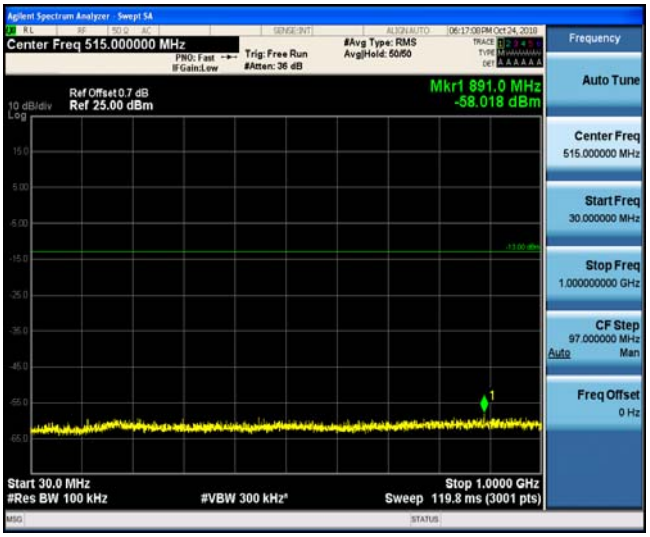

Band2_10MHz_QPSK_18650_1RB#0

Band2_10MHz_QPSK_18650_1RB#0

Band2_10MHz_QPSK_18650_1RB#0

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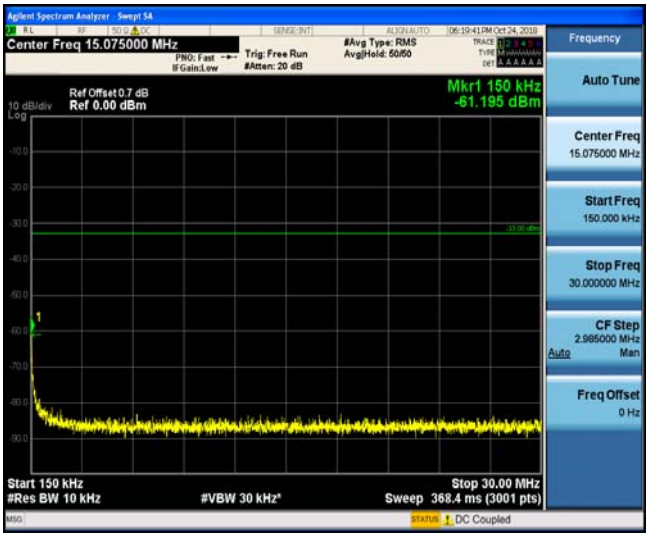
Band2_10MHz_QPSK_18900_1RB#0



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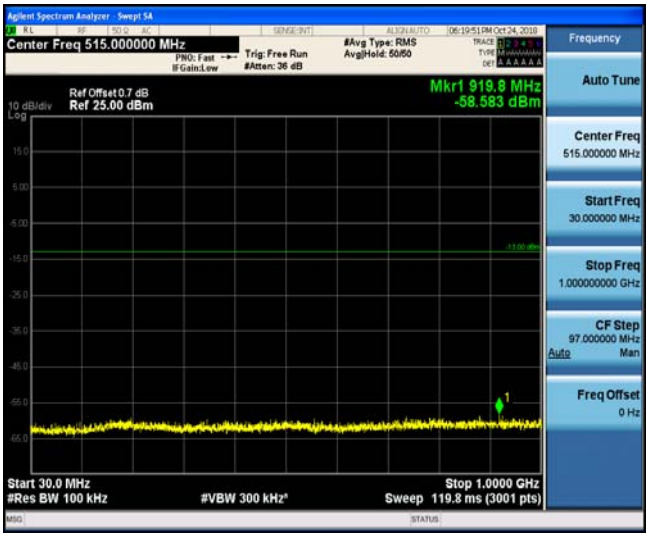
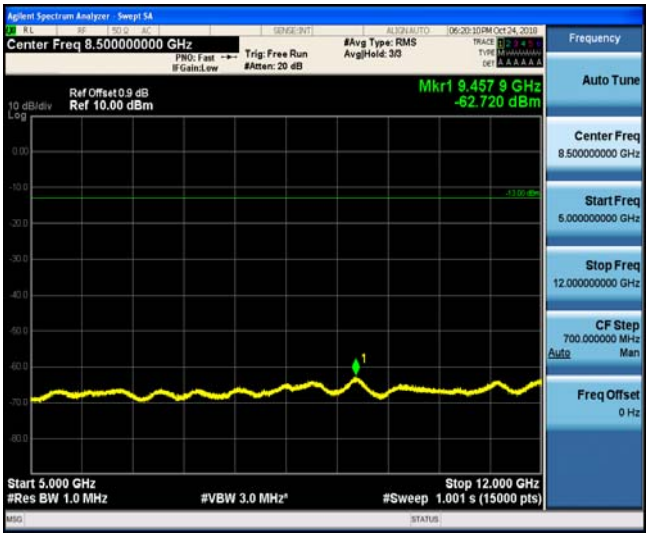


Band2_10MHz_QPSK_18900_1RB#0

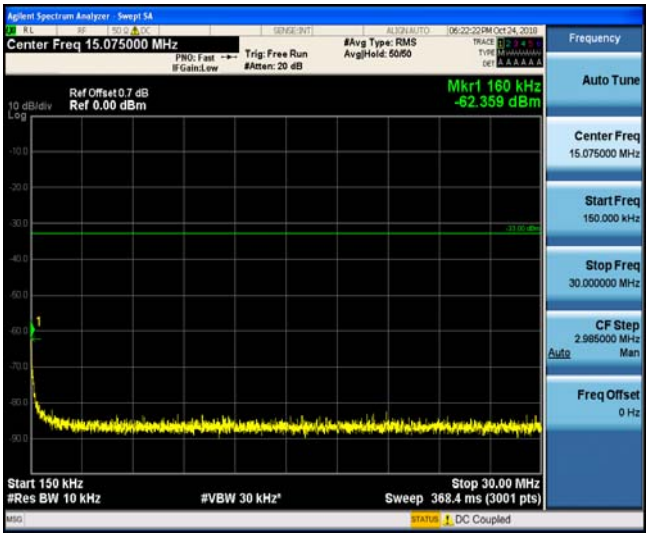
Band2_10MHz_QPSK_18900_1RB#0



Band2_10MHz_QPSK_18900_1RB#0

Band2_10MHz_QPSK_19150_1RB#0

Band2_10MHz_QPSK_19150_1RB#0



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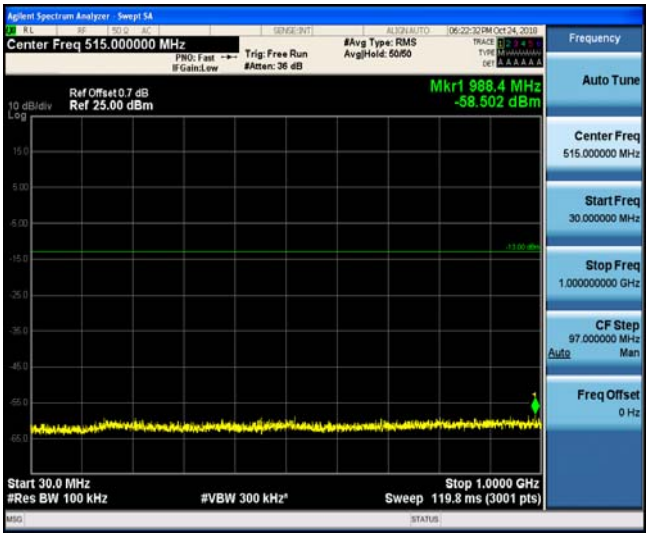

Band2_10MHz_QPSK_19150_1RB#0

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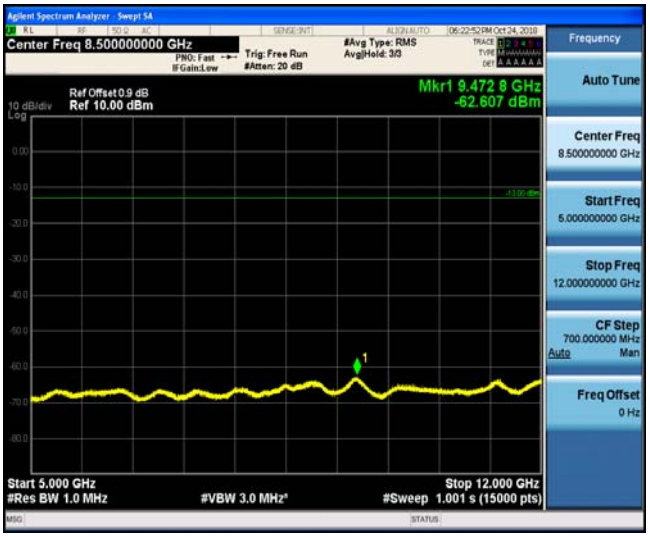
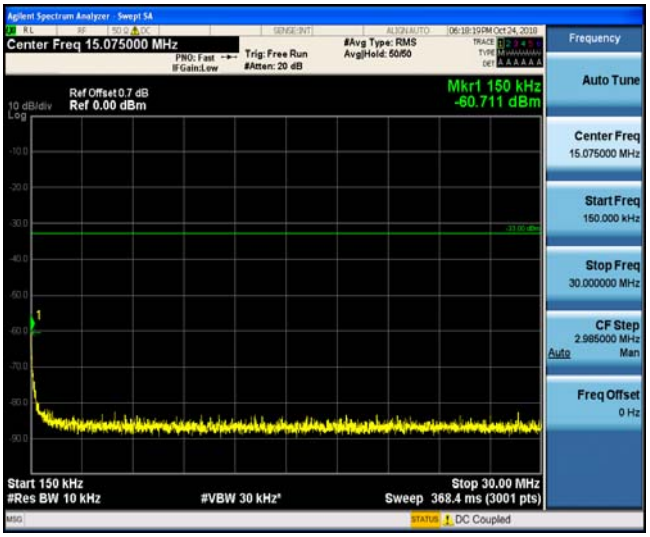


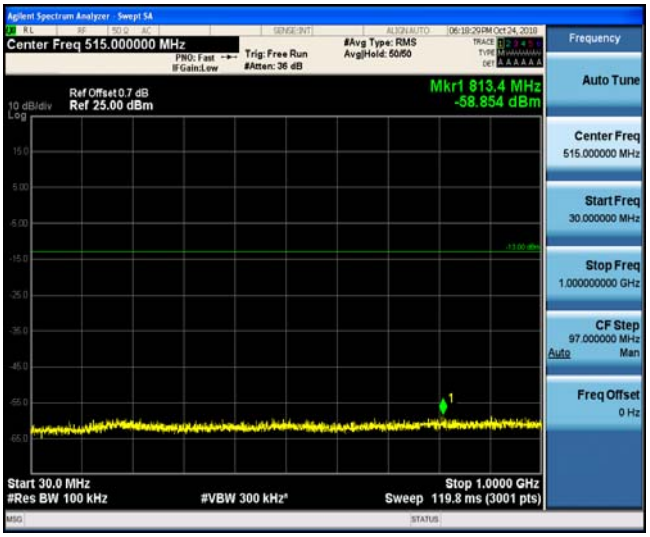
Band2_10MHz_QPSK_19150_1RB#0

Band2_10MHz_16QAM_18650_1RB#0

Band2_10MHz_16QAM_18650_1RB#0

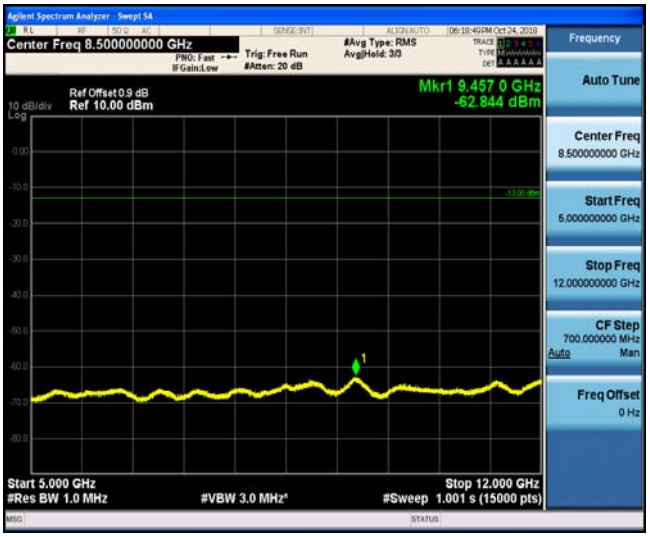


Band2_10MHz_16QAM_18650_1RB#0



Band2_10MHz_16QAM_18650_1RB#0

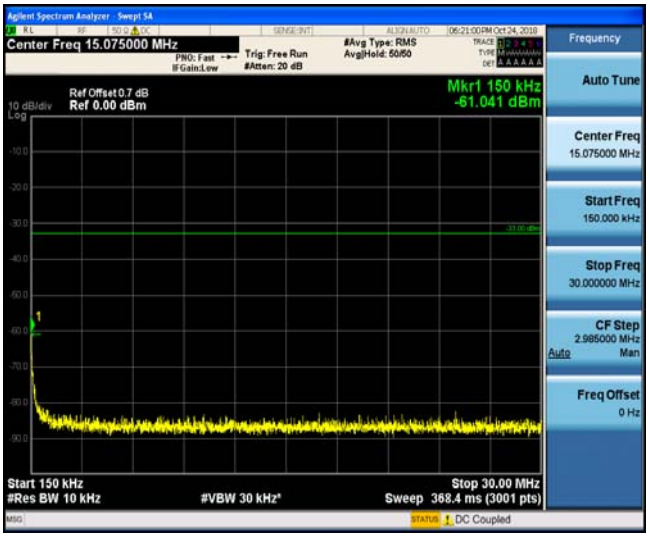
Band2_10MHz_16QAM_18650_1RB#0



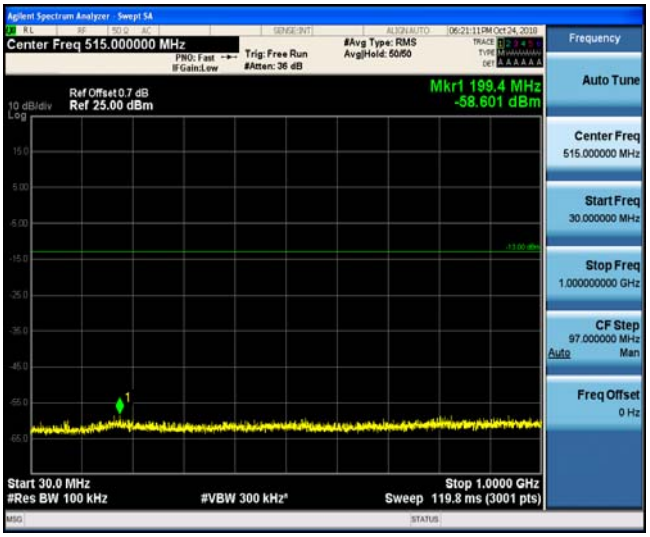
Band2_10MHz_16QAM_18650_1RB#0

Band2_10MHz_16QAM_18900_1RB#0

Band2_10MHz_16QAM_18900_1RB#0



Band2_10MHz_16QAM_18900_1RB#0



Band2_10MHz_16QAM_18900_1RB#0

Band2_10MHz_16QAM_18900_1RB#0

Band2_10MHz_16QAM_18900_1RB#0

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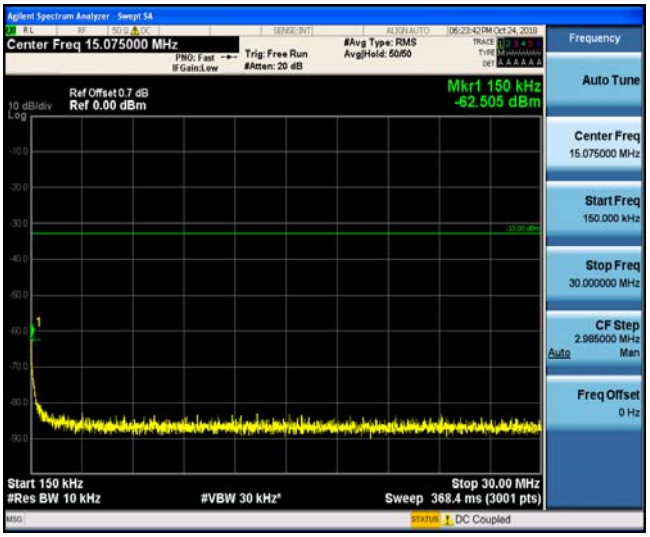
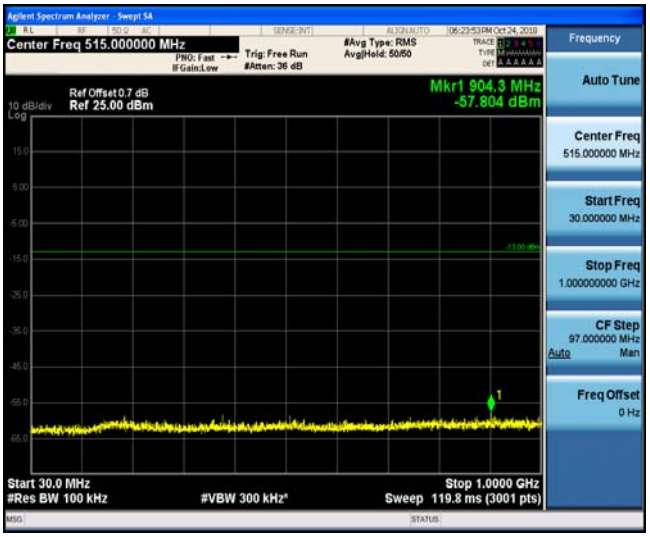
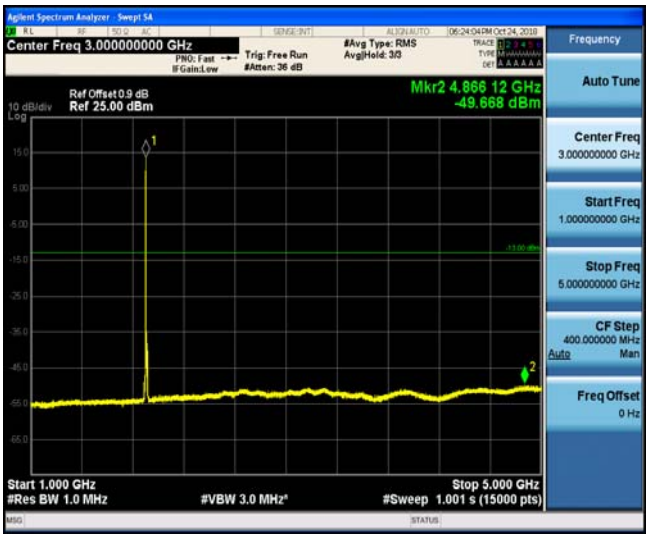
Band2_10MHz_16QAM_19150_1RB#0



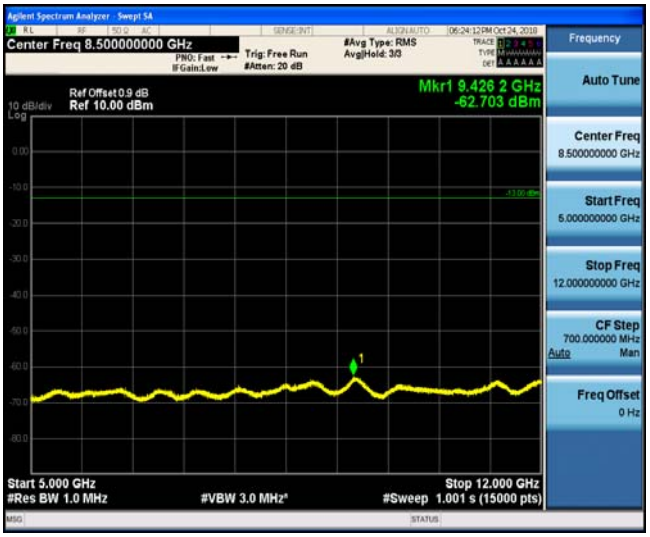
Band2_10MHz_16QAM_19150_1RB#0



Band2_10MHz_16QAM_19150_1RB#0



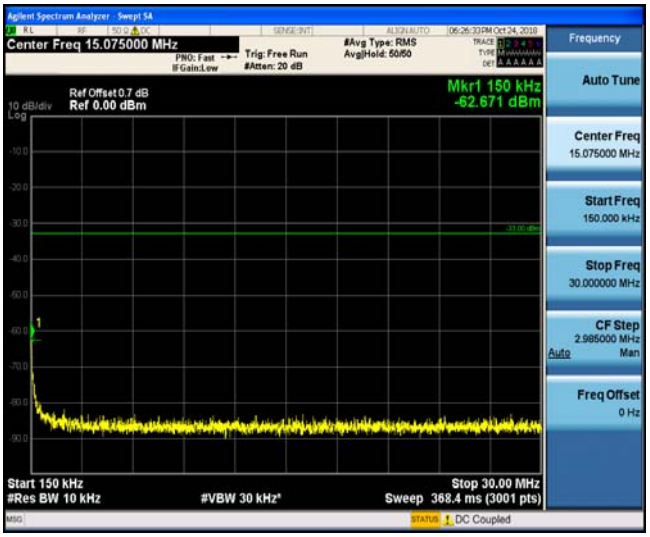
Band2_10MHz_16QAM_19150_1RB#0



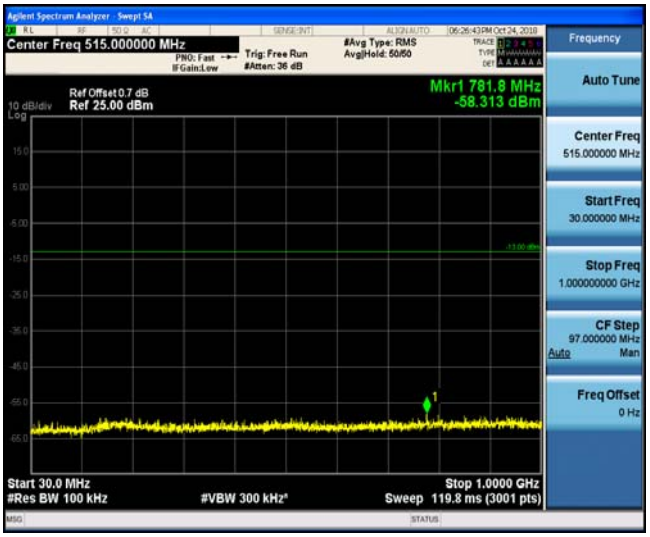
Band2_10MHz_16QAM_19150_1RB#0

Band2_15MHz_QPSK_18675_1RB#0

Band2_15MHz_QPSK_18675_1RB#0

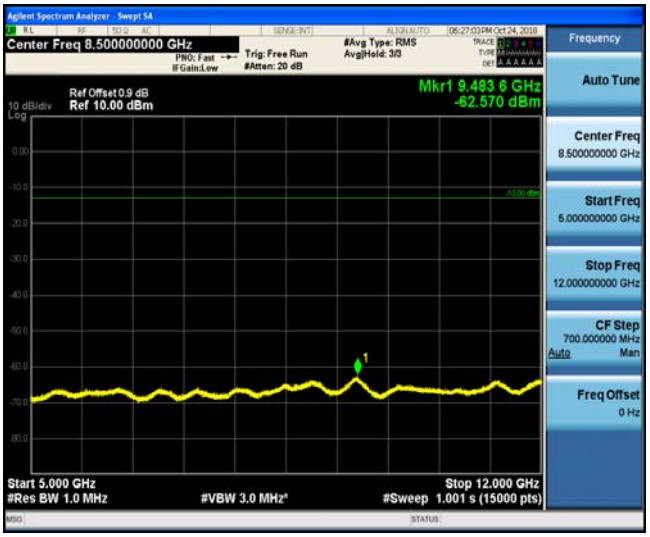


Band2_15MHz_QPSK_18675_1RB#0



Band2_15MHz_QPSK_18675_1RB#0

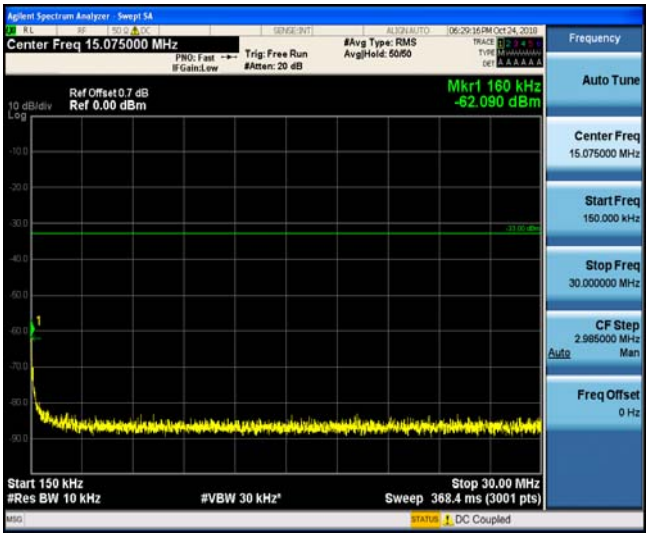
Band2_15MHz_QPSK_18675_1RB#0



Band2_15MHz_QPSK_18675_1RB#0

Band2_15MHz_QPSK_18900_1RB#0

Band2_15MHz_QPSK_18900_1RB#0



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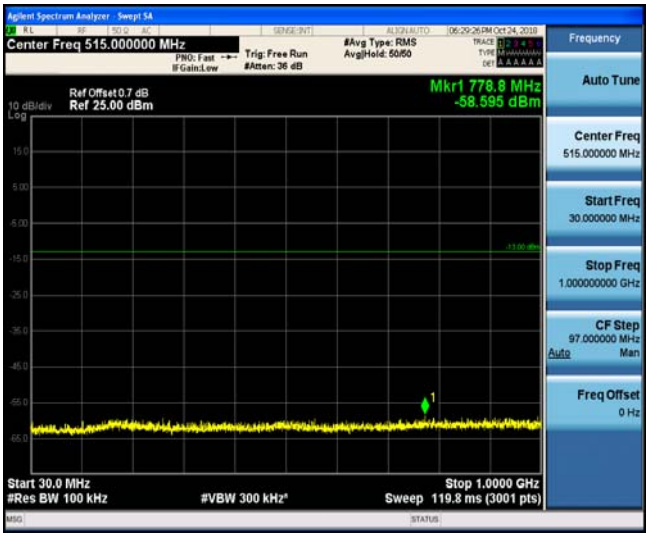

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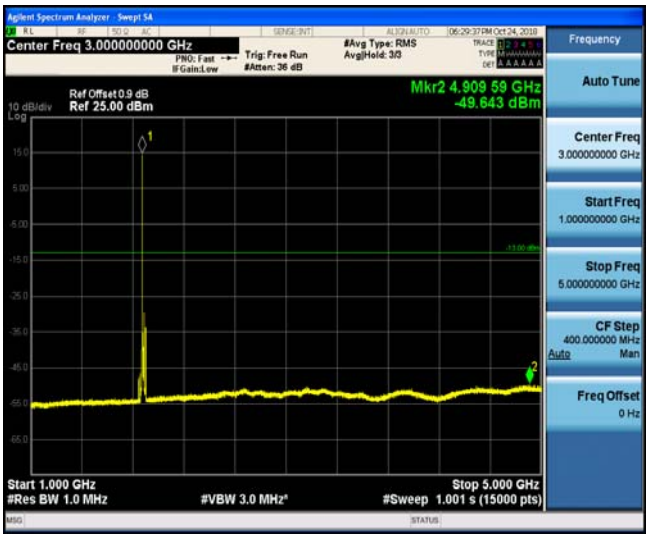
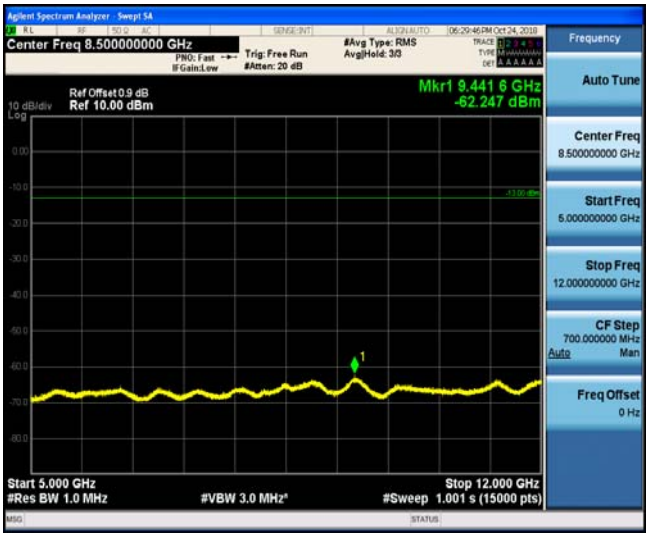


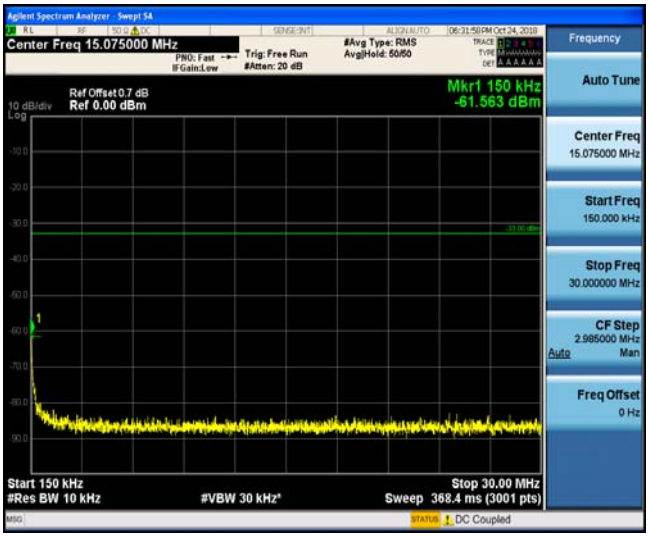
Band2_15MHz_QPSK_18900_1RB#0



Band2_15MHz_QPSK_18900_1RB#0

Band2_15MHz_QPSK_19125_1RB#0

Band2_15MHz_QPSK_19125_1RB#0



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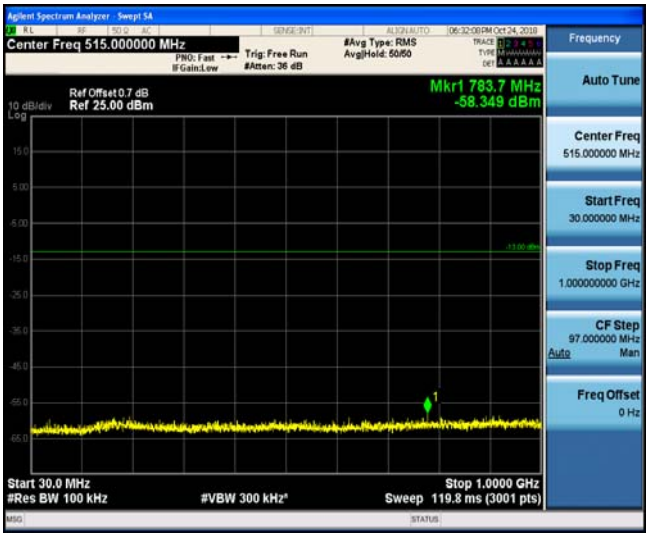
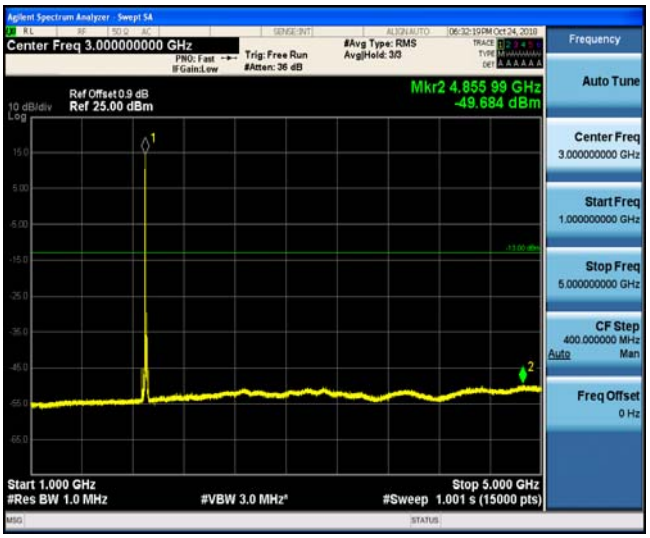
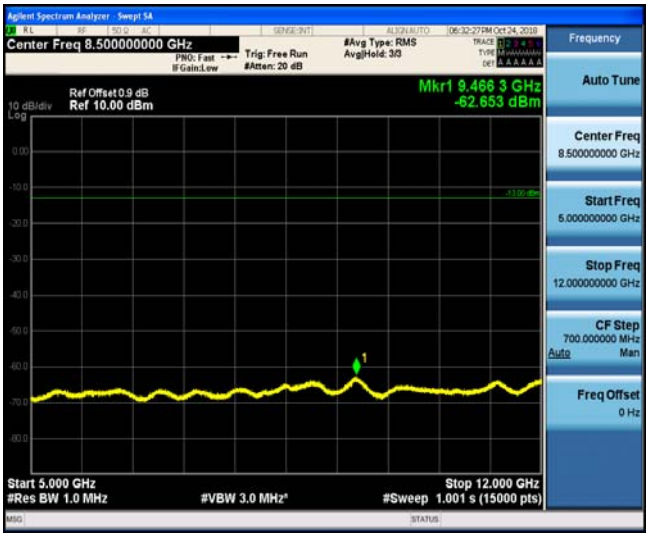


Band2_15MHz_QPSK_19125_1RB#0



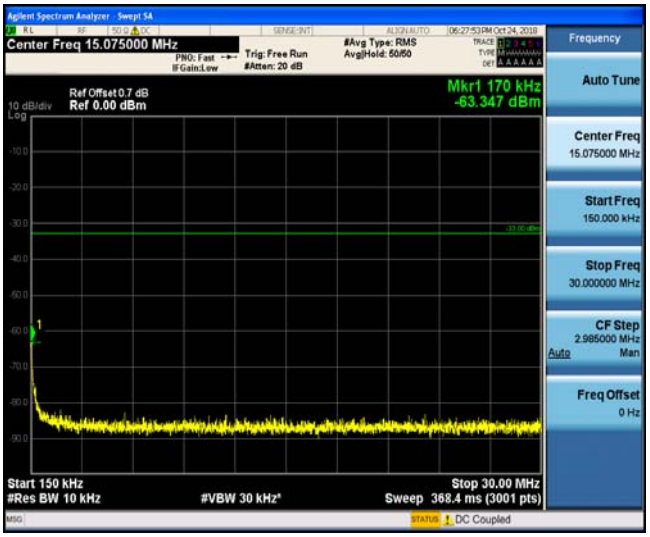
Band2_15MHz_QPSK_19125_1RB#0



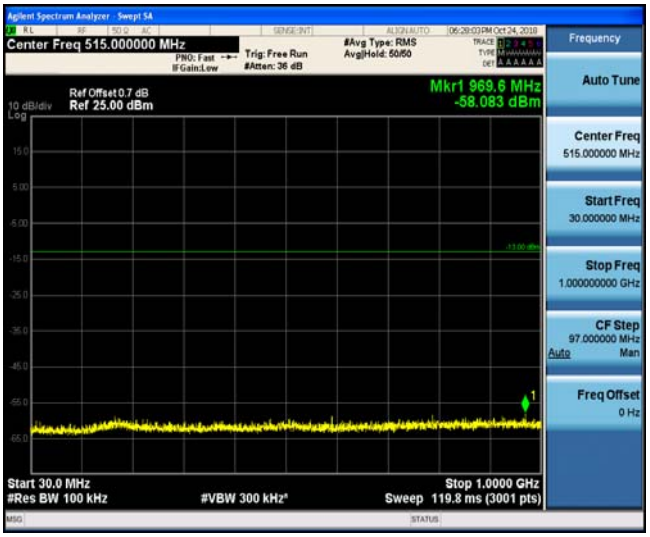
Band2_15MHz_QPSK_19125_1RB#0

Band2_15MHz_16QAM_18675_1RB#0

Band2_15MHz_16QAM_18675_1RB#0

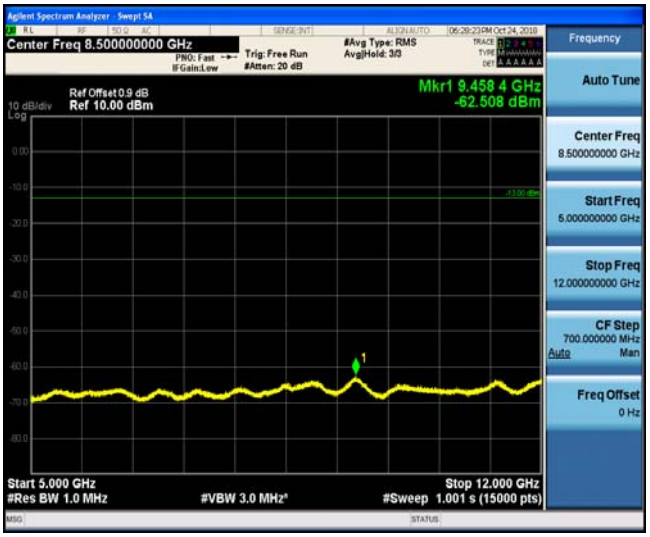


Band2_15MHz_16QAM_18675_1RB#0



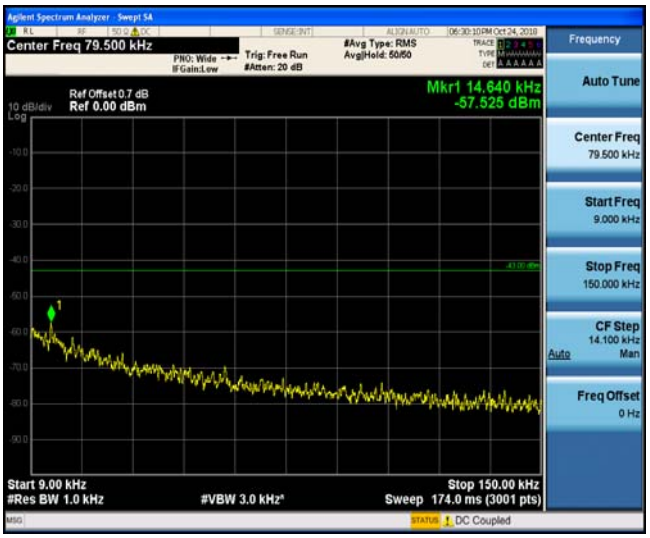
Band2_15MHz_16QAM_18675_1RB#0

Band2_15MHz_16QAM_18675_1RB#0

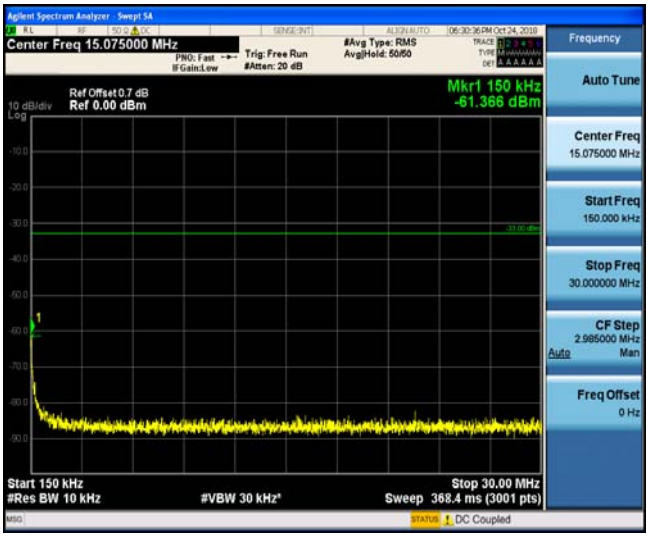


Band2_15MHz_16QAM_18675_1RB#0

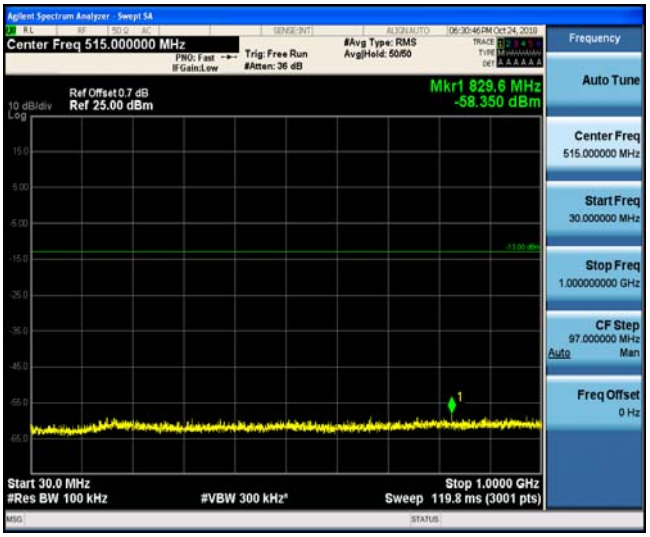
Band2_15MHz_16QAM_18900_1RB#0



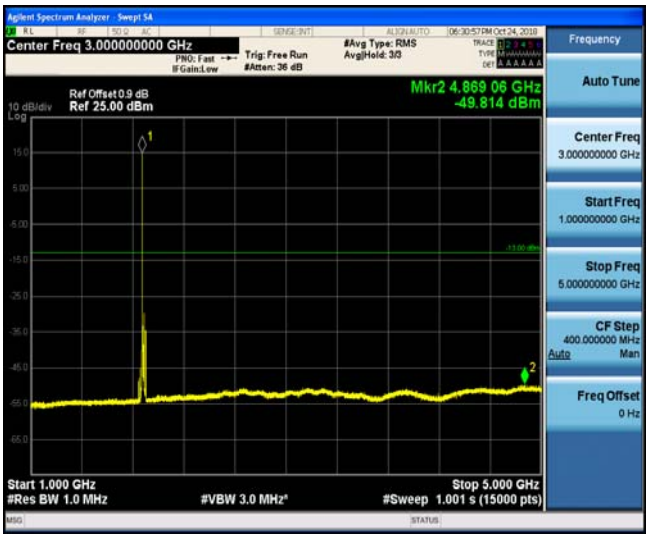
Band2_15MHz_16QAM_18900_1RB#0



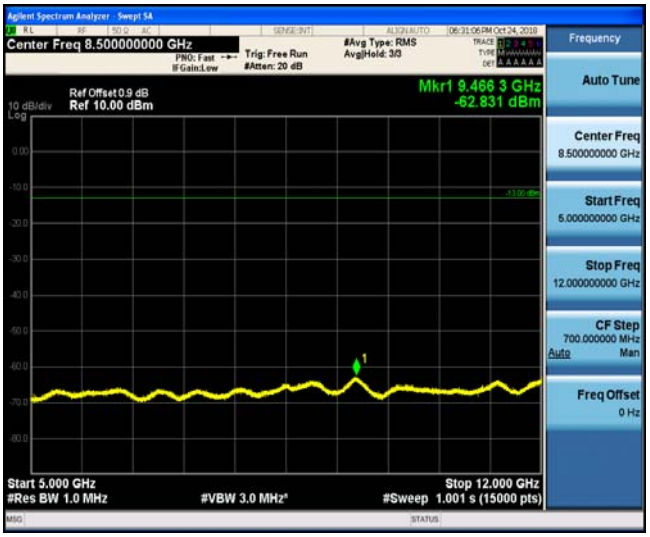
Band2_15MHz_16QAM_18900_1RB#0



Band2_15MHz_16QAM_18900_1RB#0



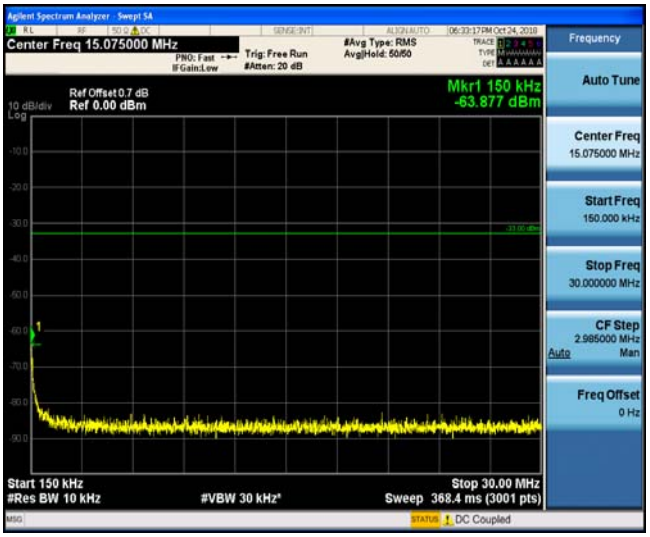
Band2_15MHz_16QAM_18900_1RB#0



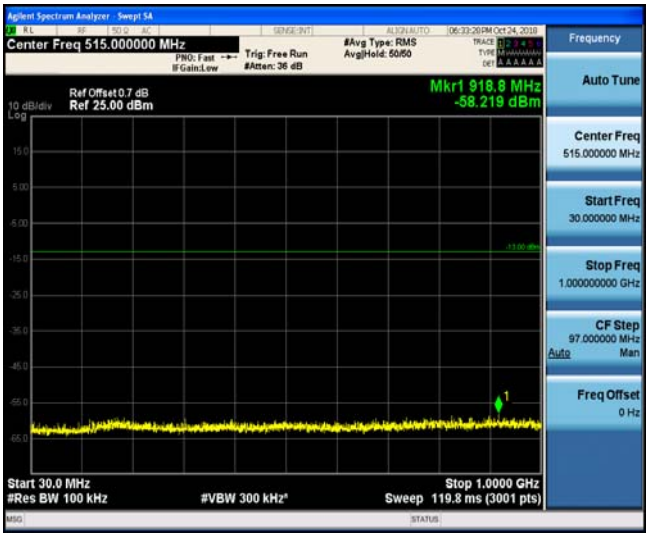
Band2_15MHz_16QAM_18900_1RB#0

Band2_15MHz_16QAM_19125_1RB#0

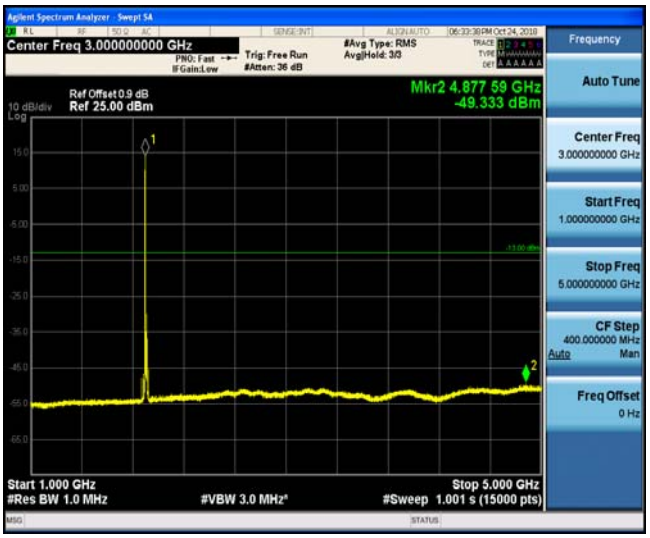
Band2_15MHz_16QAM_19125_1RB#0



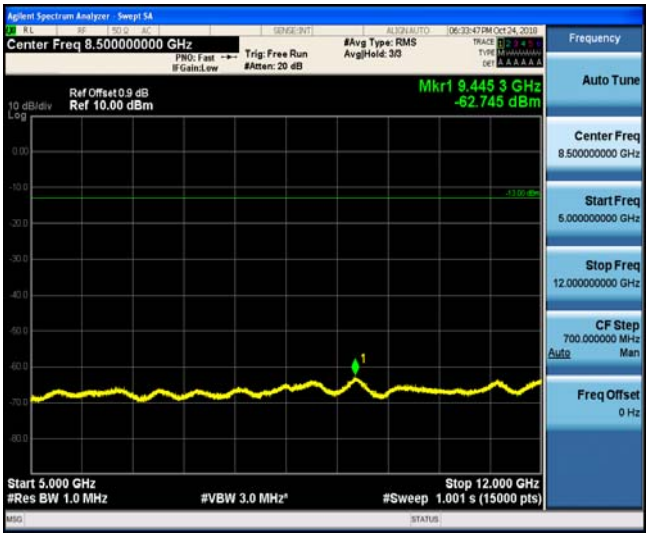
Band2_15MHz_16QAM_19125_1RB#0



Band2_15MHz_16QAM_19125_1RB#0



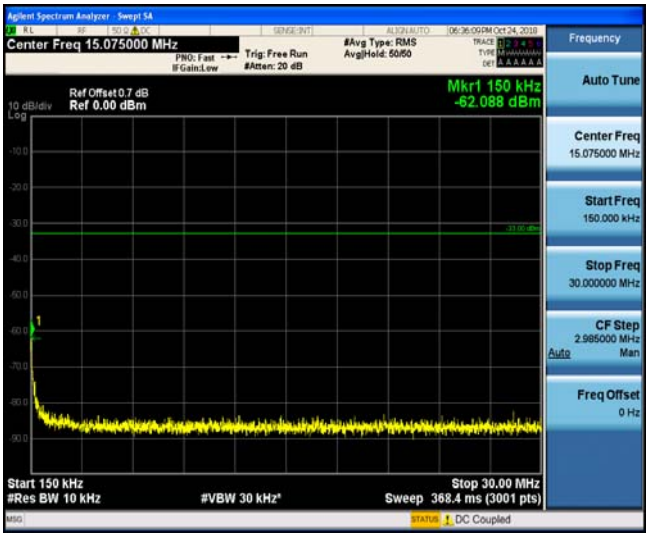
Band2_15MHz_16QAM_19125_1RB#0



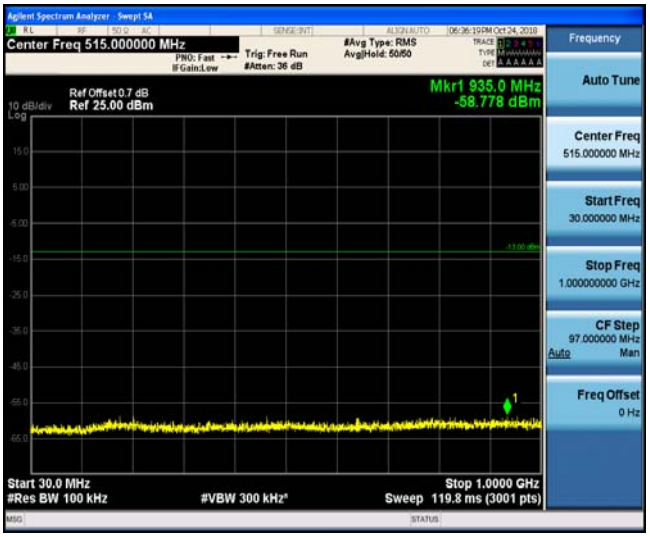
Band2_15MHz_16QAM_19125_1RB#0

Band2_20MHz_QPSK_18700_1RB#0

Band2_20MHz_QPSK_18700_1RB#0

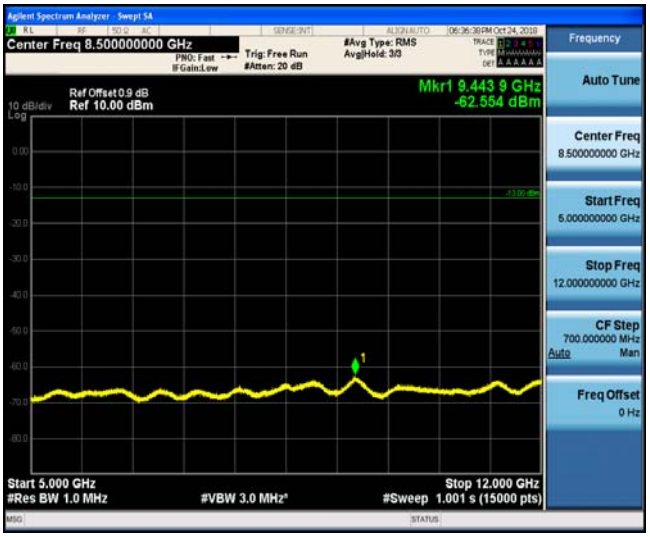


Band2_20MHz_QPSK_18700_1RB#0



Band2_20MHz_QPSK_18700_1RB#0

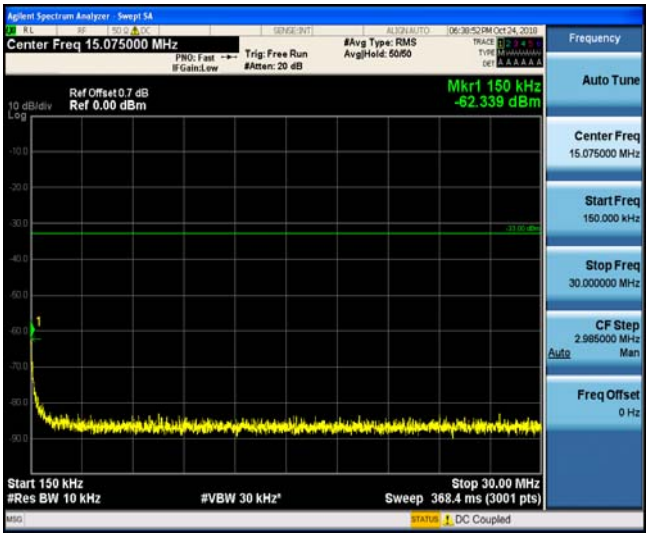
Band2_20MHz_QPSK_18700_1RB#0



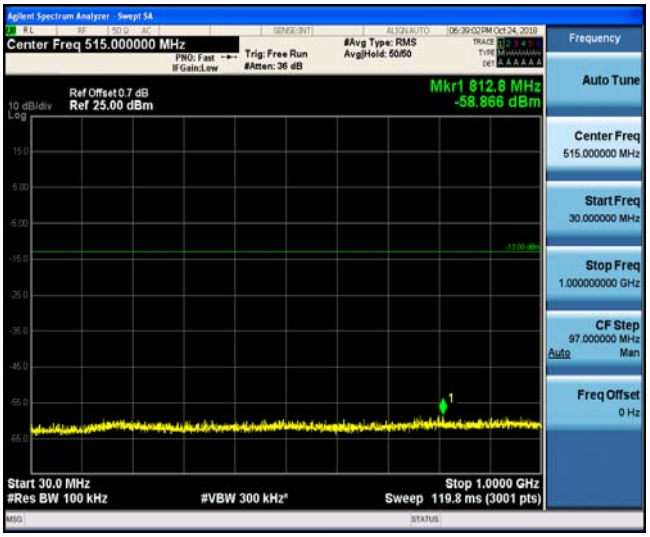
Band2_20MHz_QPSK_18700_1RB#0

Band2_20MHz_QPSK_18900_1RB#0

Band2_20MHz_QPSK_18900_1RB#0



Band2_20MHz_QPSK_18900_1RB#0



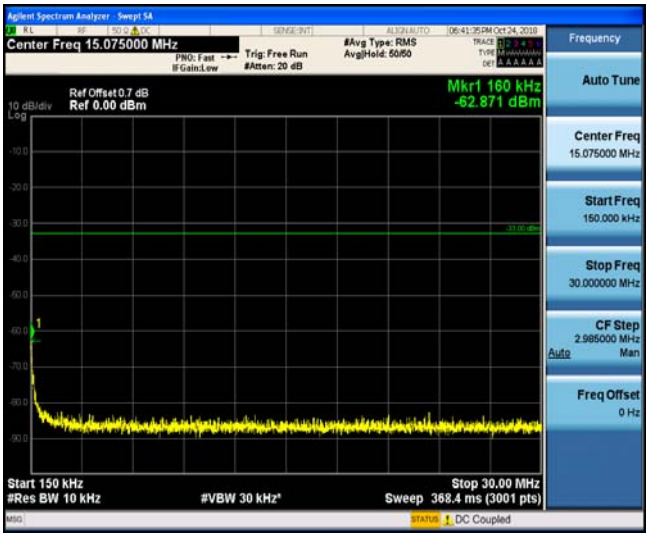
Band2_20MHz_QPSK_18900_1RB#0

Band2_20MHz_QPSK_18900_1RB#0

Band2_20MHz_QPSK_18900_1RB#0

Band2_20MHz_QPSK_19100_1RB#0

Band2_20MHz_QPSK_19100_1RB#0



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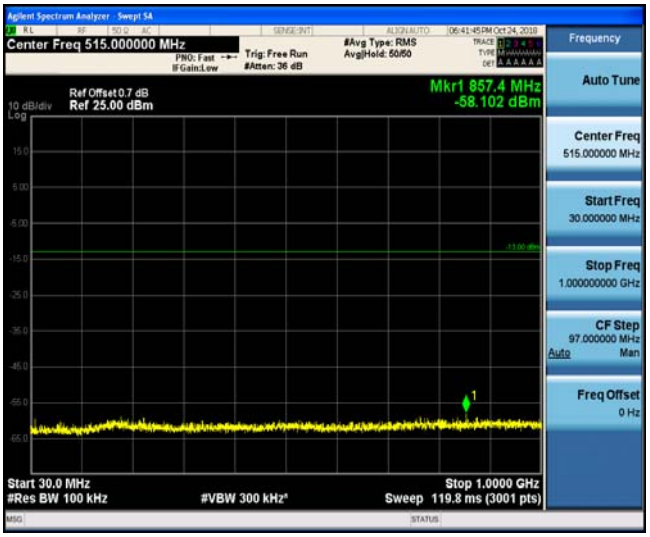

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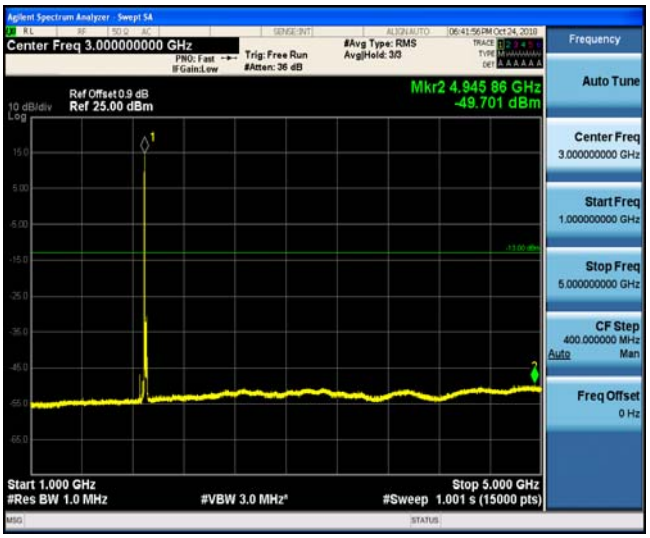

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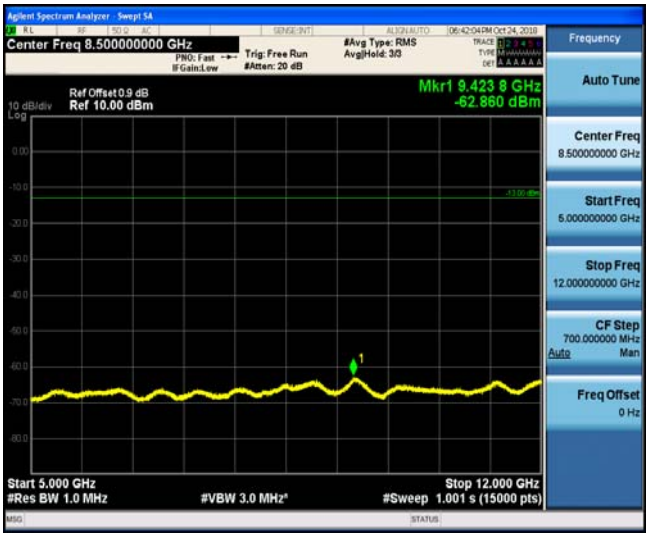
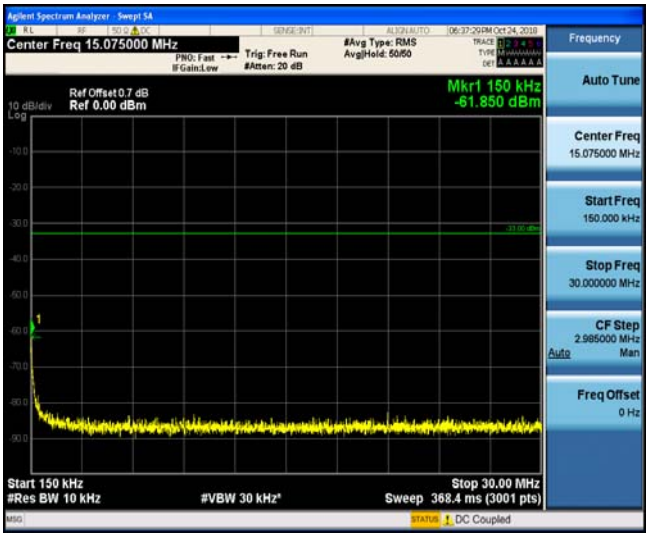


Band2_20MHz_QPSK_19100_1RB#0

Band2_20MHz_16QAM_18700_1RB#0

Band2_20MHz_16QAM_18700_1RB#0



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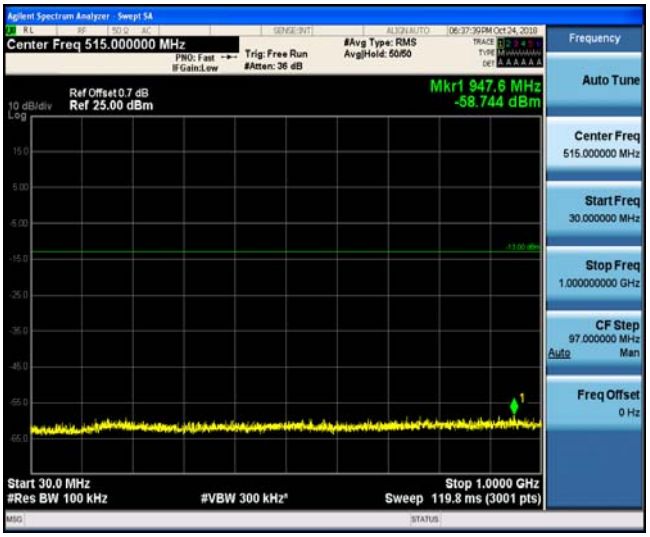
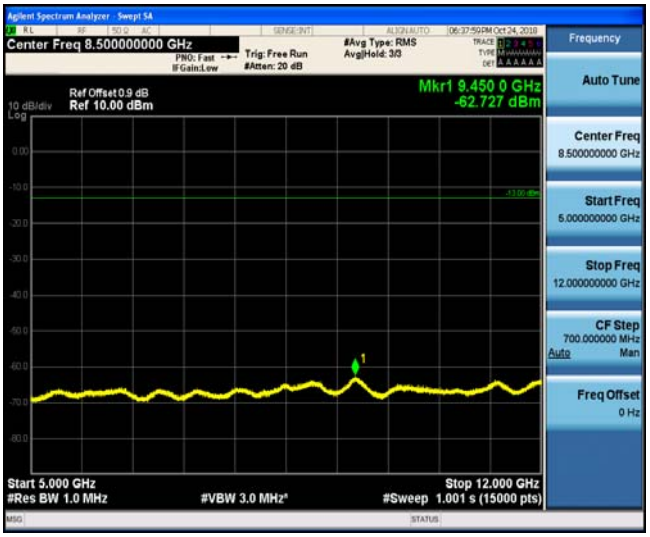


Band2_20MHz_16QAM_18700_1RB#0

Band2_20MHz_16QAM_18700_1RB#0



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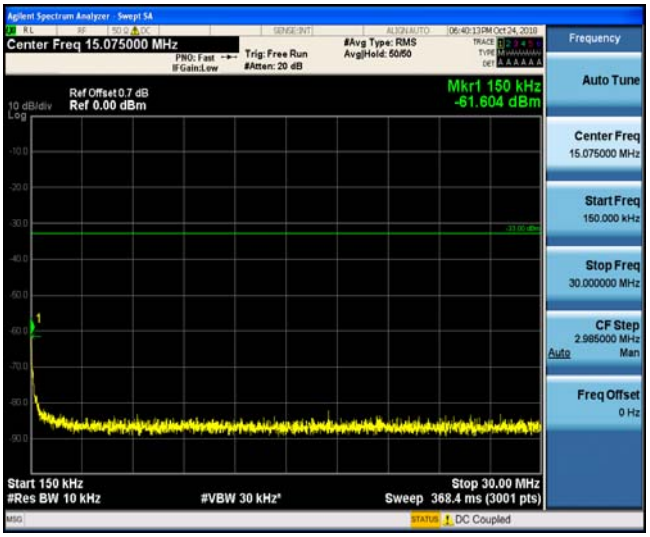
Band2_20MHz_16QAM_18900_1RB#0

Band2_20MHz_16QAM_18900_1RB#0



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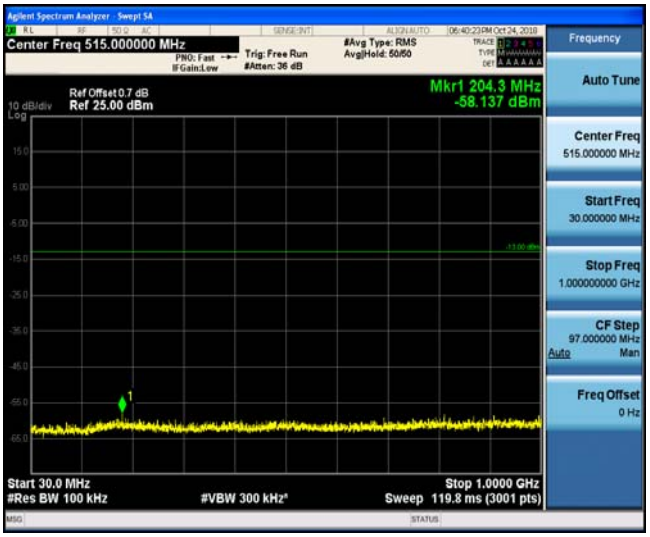

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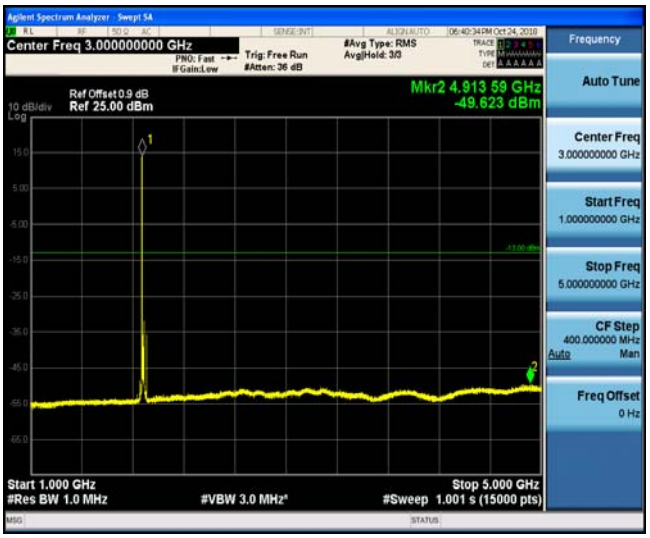

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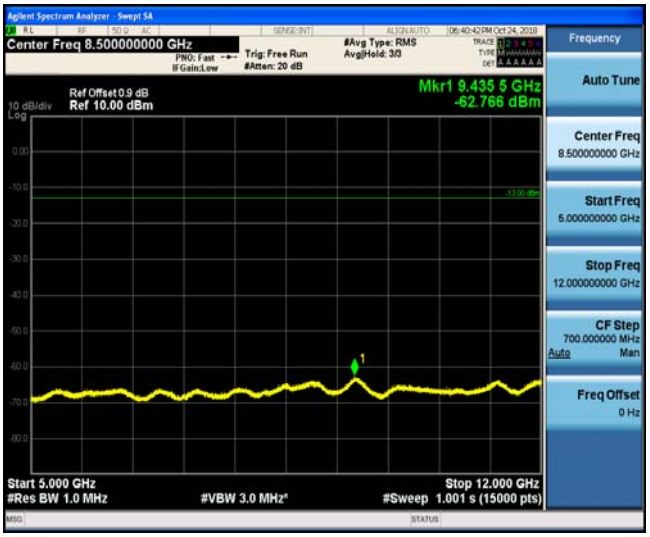
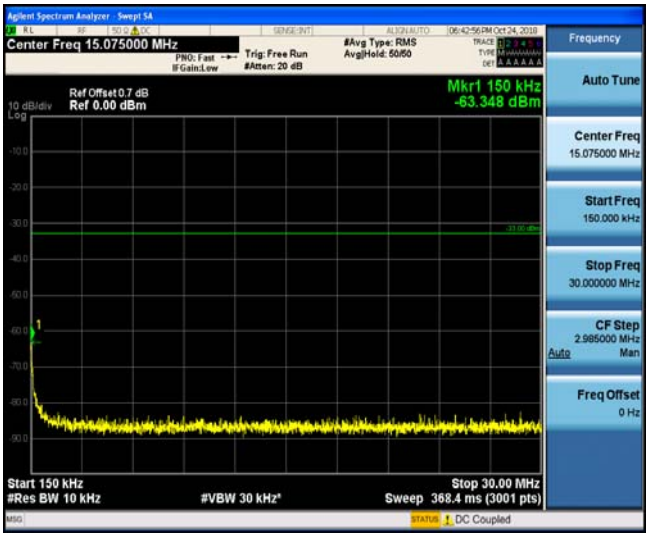


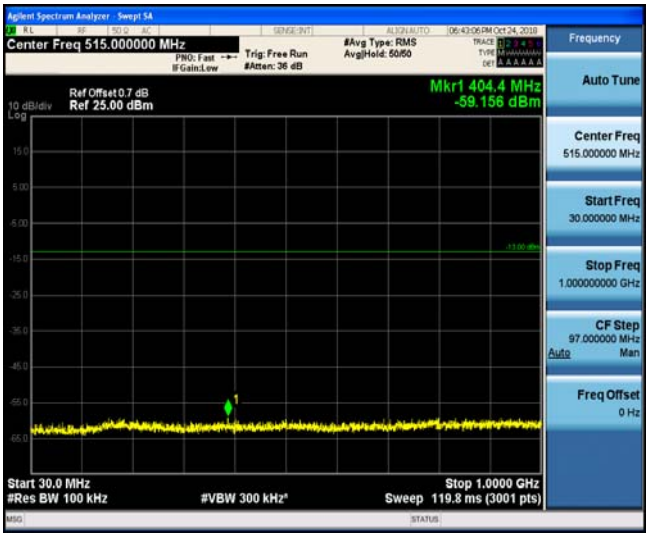
Band2_20MHz_16QAM_18900_1RB#0

Band2_20MHz_16QAM_19100_1RB#0

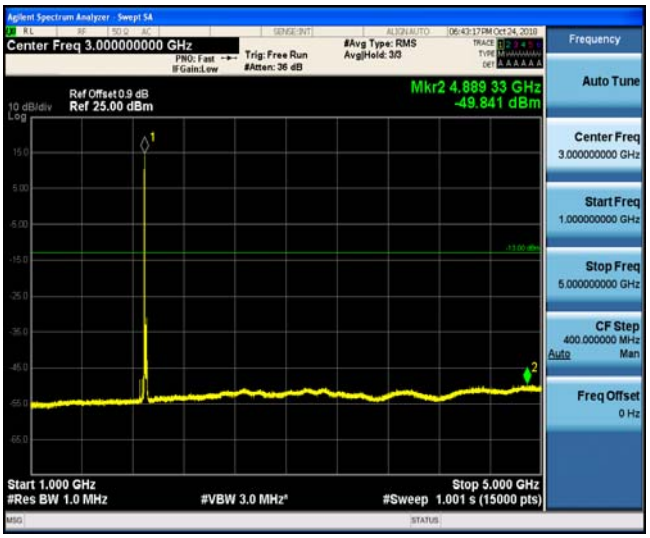
Band2_20MHz_16QAM_19100_1RB#0



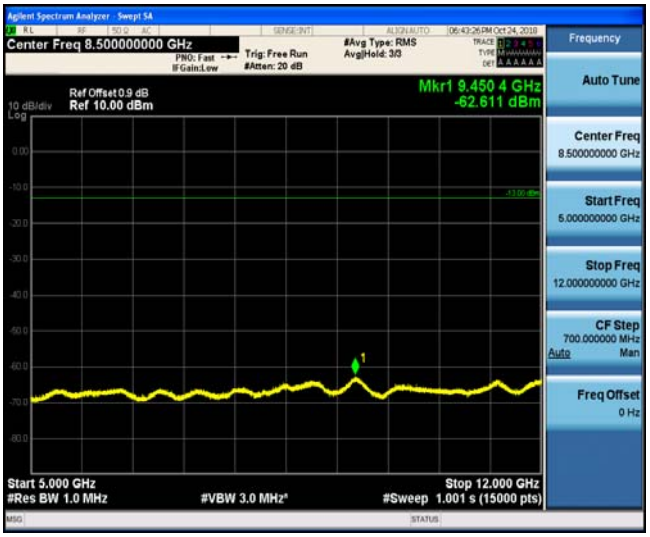
Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_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	-0.12	-0.000065	± 2.5	PASS
		VN	TN	-1.16	-0.000627	± 2.5	PASS
		VH	TN	-0.87	-0.000470	± 2.5	PASS
	MCH	VL	TN	0.4	0.000213	± 2.5	PASS
		VN	TN	-0.45	-0.000239	± 2.5	PASS
		VH	TN	2.54	0.001351	± 2.5	PASS
	HCH	VL	TN	0	0.000000	± 2.5	PASS
		VN	TN	-0.91	-0.000477	± 2.5	PASS
		VH	TN	1.54	0.000807	± 2.5	PASS
16QAM	LCH	VL	TN	0.32	0.000173	± 2.5	PASS
		VN	TN	0.17	0.000092	± 2.5	PASS
		VH	TN	-1.63	-0.000881	± 2.5	PASS
	MCH	VL	TN	1.25	0.000665	± 2.5	PASS
		VN	TN	1.41	0.000750	± 2.5	PASS
		VH	TN	-0.15	-0.000080	± 2.5	PASS
	HCH	VL	TN	-0.98	-0.000513	± 2.5	PASS
		VN	TN	3.11	0.001629	± 2.5	PASS
		VH	TN	1.19	0.000623	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.77	0.000956	± 2.5	PASS
		VN	-20	1.29	0.000697	± 2.5	PASS
		VN	-10	4.26	0.002302	± 2.5	PASS
		VN	0	4.56	0.002464	± 2.5	PASS
		VN	10	0.16	0.000086	± 2.5	PASS
		VN	20	2.77	0.001497	± 2.5	PASS
		VN	30	3.17	0.001713	± 2.5	PASS
		VN	40	3.11	0.001680	± 2.5	PASS
		VN	50	3.56	0.001924	± 2.5	PASS
	MCH	VN	-30	3.19	0.001697	± 2.5	PASS
		VN	-20	2.73	0.001452	± 2.5	PASS

		VN	-10	3.15	0.001676	± 2.5	PASS
		VN	0	-1.01	-0.000537	± 2.5	PASS
		VN	10	-0.23	-0.000122	± 2.5	PASS
		VN	20	-1.94	-0.001032	± 2.5	PASS
		VN	30	0.68	0.000362	± 2.5	PASS
		VN	40	4.71	0.002505	± 2.5	PASS
		VN	50	4.21	0.002239	± 2.5	PASS
	HCH	VN	-30	-1.17	-0.000613	± 2.5	PASS
		VN	-20	4.35	0.002278	± 2.5	PASS
		VN	-10	2.12	0.001110	± 2.5	PASS
		VN	0	0.68	0.000356	± 2.5	PASS
		VN	10	2.3	0.001205	± 2.5	PASS
		VN	20	-1.34	-0.000702	± 2.5	PASS
		VN	30	-1.68	-0.000880	± 2.5	PASS
		VN	40	1.54	0.000807	± 2.5	PASS
		VN	50	4.38	0.002294	± 2.5	PASS
16QAM	LCH	VN	-30	3.48	0.001880	± 2.5	PASS
		VN	-20	3.39	0.001832	± 2.5	PASS
		VN	-10	3.59	0.001940	± 2.5	PASS
		VN	0	3.68	0.001988	± 2.5	PASS
		VN	10	1.63	0.000881	± 2.5	PASS
		VN	20	0.33	0.000178	± 2.5	PASS
		VN	30	4.71	0.002545	± 2.5	PASS
		VN	40	3.75	0.002026	± 2.5	PASS
		VN	50	3.6	0.001945	± 2.5	PASS
	MCH	VN	-30	0.04	0.000021	± 2.5	PASS
		VN	-20	1.66	0.000883	± 2.5	PASS
		VN	-10	2.5	0.001330	± 2.5	PASS
		VN	0	3.64	0.001936	± 2.5	PASS
		VN	10	0.39	0.000207	± 2.5	PASS
		VN	20	2.81	0.001495	± 2.5	PASS
		VN	30	-0.94	-0.000500	± 2.5	PASS
		VN	40	1.47	0.000782	± 2.5	PASS
		VN	50	2.08	0.001106	± 2.5	PASS
	HCH	VN	-30	-0.41	-0.000215	± 2.5	PASS
		VN	-20	2.15	0.001126	± 2.5	PASS
		VN	-10	-0.54	-0.000283	± 2.5	PASS
		VN	0	-0.46	-0.000241	± 2.5	PASS
		VN	10	4.48	0.002346	± 2.5	PASS
		VN	20	0.3	0.000157	± 2.5	PASS
		VN	30	3.41	0.001786	± 2.5	PASS

		VN	40	1.72	0.000901	± 2.5	PASS
		VN	50	-1.93	-0.001011	± 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	1.56	0.000843	± 2.5	PASS
		VN	TN	-0.02	-0.000011	± 2.5	PASS
		VH	TN	-1.93	-0.001042	± 2.5	PASS
	MCH	VL	TN	-0.61	-0.000324	± 2.5	PASS
		VN	TN	-0.28	-0.000149	± 2.5	PASS
		VH	TN	-0.62	-0.000330	± 2.5	PASS
	HCH	VL	TN	4.23	0.002216	± 2.5	PASS
		VN	TN	-0.31	-0.000162	± 2.5	PASS
		VH	TN	4.85	0.002541	± 2.5	PASS
16QAM	LCH	VL	TN	2.82	0.001523	± 2.5	PASS
		VN	TN	2.74	0.001480	± 2.5	PASS
		VH	TN	3.37	0.001820	± 2.5	PASS
	MCH	VL	TN	2.31	0.001229	± 2.5	PASS
		VN	TN	3.85	0.002048	± 2.5	PASS
		VH	TN	4.35	0.002314	± 2.5	PASS
	HCH	VL	TN	2.24	0.001174	± 2.5	PASS
		VN	TN	2.73	0.001430	± 2.5	PASS
		VH	TN	1.37	0.000718	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.18	0.001718	± 2.5	PASS
		VN	-20	-0.67	-0.000362	± 2.5	PASS
		VN	-10	3.09	0.001669	± 2.5	PASS
		VN	0	3.06	0.001653	± 2.5	PASS
		VN	10	0	0.000000	± 2.5	PASS
		VN	20	-0.08	-0.000043	± 2.5	PASS
		VN	30	0.45	0.000243	± 2.5	PASS
		VN	40	4.51	0.002436	± 2.5	PASS
		VN	50	4.2	0.002268	± 2.5	PASS
	MCH	VN	-30	4.34	0.002309	± 2.5	PASS
		VN	-20	1.81	0.000963	± 2.5	PASS
		VN	-10	-1.28	-0.000681	± 2.5	PASS

		VN	0	-1.82	-0.000968	± 2.5	PASS
		VN	10	1.92	0.001021	± 2.5	PASS
		VN	20	0.15	0.000080	± 2.5	PASS
		VN	30	-0.42	-0.000223	± 2.5	PASS
		VN	40	3.03	0.001612	± 2.5	PASS
		VN	50	2.48	0.001319	± 2.5	PASS
	HCH	VN	-30	-0.03	-0.000016	± 2.5	PASS
		VN	-20	-1.74	-0.000912	± 2.5	PASS
		VN	-10	3.9	0.002043	± 2.5	PASS
		VN	0	3.5	0.001834	± 2.5	PASS
		VN	10	0.68	0.000356	± 2.5	PASS
		VN	20	4.7	0.002463	± 2.5	PASS
		VN	30	3.29	0.001724	± 2.5	PASS
		VN	40	4.62	0.002421	± 2.5	PASS
		VN	50	0.57	0.000299	± 2.5	PASS
QPSK	LCH	VN	-30	1.49	0.000805	± 2.5	PASS
		VN	-20	1.46	0.000789	± 2.5	PASS
		VN	-10	3.13	0.001691	± 2.5	PASS
		VN	0	-1.45	-0.000783	± 2.5	PASS
		VN	10	-1.28	-0.000691	± 2.5	PASS
		VN	20	1.12	0.000605	± 2.5	PASS
		VN	30	-1.44	-0.000778	± 2.5	PASS
		VN	40	0.5	0.000270	± 2.5	PASS
		VN	50	-0.86	-0.000464	± 2.5	PASS
	MCH	VN	-30	0.73	0.000388	± 2.5	PASS
		VN	-20	4.09	0.002176	± 2.5	PASS
		VN	-10	0.81	0.000431	± 2.5	PASS
		VN	0	3.87	0.002059	± 2.5	PASS
		VN	10	1.04	0.000553	± 2.5	PASS
		VN	20	4	0.002128	± 2.5	PASS
		VN	30	3.84	0.002043	± 2.5	PASS
		VN	40	-0.32	-0.000170	± 2.5	PASS
		VN	50	1.73	0.000920	± 2.5	PASS
	HCH	VN	-30	1.79	0.000938	± 2.5	PASS
		VN	-20	1.59	0.000833	± 2.5	PASS
		VN	-10	4.93	0.002583	± 2.5	PASS
		VN	0	1.8	0.000943	± 2.5	PASS
		VN	10	-1.5	-0.000786	± 2.5	PASS
		VN	20	1.22	0.000639	± 2.5	PASS
		VN	30	2.66	0.001394	± 2.5	PASS
		VN	40	-0.54	-0.000283	± 2.5	PASS

		VN	50	4.12	0.002159	± 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	-0.02	-0.000011	± 2.5	PASS
		VN	TN	3.63	0.001960	± 2.5	PASS
		VH	TN	-0.59	-0.000318	± 2.5	PASS
	MCH	VL	TN	2.3	0.001223	± 2.5	PASS
		VN	TN	-0.96	-0.000511	± 2.5	PASS
		VH	TN	1.29	0.000686	± 2.5	PASS
	HCH	VL	TN	1.86	0.000975	± 2.5	PASS
		VN	TN	1.05	0.000550	± 2.5	PASS
		VH	TN	2.03	0.001064	± 2.5	PASS
16QAM	LCH	VL	TN	-1.66	-0.000896	± 2.5	PASS
		VN	TN	2.57	0.001387	± 2.5	PASS
		VH	TN	4.11	0.002219	± 2.5	PASS
	MCH	VL	TN	1.2	0.000638	± 2.5	PASS
		VN	TN	3.88	0.002064	± 2.5	PASS
		VH	TN	0.58	0.000309	± 2.5	PASS
	HCH	VL	TN	3.76	0.001971	± 2.5	PASS
		VN	TN	2	0.001048	± 2.5	PASS
		VH	TN	-1.55	-0.000813	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.99	0.001074	± 2.5	PASS
		VN	-20	4.49	0.002424	± 2.5	PASS
		VN	-10	-0.87	-0.000470	± 2.5	PASS
		VN	0	3.71	0.002003	± 2.5	PASS
		VN	10	1.73	0.000934	± 2.5	PASS
		VN	20	-1.62	-0.000874	± 2.5	PASS
		VN	30	1.22	0.000659	± 2.5	PASS
		VN	40	-0.6	-0.000324	± 2.5	PASS
		VN	50	0.21	0.000113	± 2.5	PASS
	MCH	VN	-30	-1.01	-0.000537	± 2.5	PASS
		VN	-20	0.46	0.000245	± 2.5	PASS
		VN	-10	-0.19	-0.000101	± 2.5	PASS
		VN	0	0.84	0.000447	± 2.5	PASS

		VN	10	-1.71	-0.000910	± 2.5	PASS
		VN	20	0.63	0.000335	± 2.5	PASS
		VN	30	4.46	0.002372	± 2.5	PASS
		VN	40	3.99	0.002122	± 2.5	PASS
		VN	50	-0.66	-0.000351	± 2.5	PASS
	HCH	VN	-30	4.07	0.002134	± 2.5	PASS
		VN	-20	-1.33	-0.000697	± 2.5	PASS
		VN	-10	-1.46	-0.000765	± 2.5	PASS
		VN	0	2.49	0.001305	± 2.5	PASS
		VN	10	4.92	0.002579	± 2.5	PASS
		VN	20	0.85	0.000446	± 2.5	PASS
		VN	30	-1.9	-0.000996	± 2.5	PASS
		VN	40	0.21	0.000110	± 2.5	PASS
		VN	50	2.87	0.001505	± 2.5	PASS
16QAM	LCH	VN	-30	3.42	0.001846	± 2.5	PASS
		VN	-20	-1.59	-0.000858	± 2.5	PASS
		VN	-10	-1	-0.000540	± 2.5	PASS
		VN	0	-0.91	-0.000491	± 2.5	PASS
		VN	10	0.54	0.000291	± 2.5	PASS
		VN	20	-1.4	-0.000756	± 2.5	PASS
		VN	30	1.91	0.001031	± 2.5	PASS
		VN	40	-0.71	-0.000383	± 2.5	PASS
		VN	50	4.18	0.002256	± 2.5	PASS
	MCH	VN	-30	3.63	0.001931	± 2.5	PASS
		VN	-20	2.49	0.001324	± 2.5	PASS
		VN	-10	2.46	0.001309	± 2.5	PASS
		VN	0	2.69	0.001431	± 2.5	PASS
		VN	10	2.33	0.001239	± 2.5	PASS
		VN	20	1.24	0.000660	± 2.5	PASS
		VN	30	0.21	0.000112	± 2.5	PASS
		VN	40	0.66	0.000351	± 2.5	PASS
		VN	50	-1.26	-0.000670	± 2.5	PASS
	HCH	VN	-30	0.87	0.000456	± 2.5	PASS
		VN	-20	4.16	0.002181	± 2.5	PASS
		VN	-10	1.41	0.000739	± 2.5	PASS
		VN	0	-1	-0.000524	± 2.5	PASS
		VN	10	4.47	0.002343	± 2.5	PASS
		VN	20	-1.49	-0.000781	± 2.5	PASS
		VN	30	-1.85	-0.000970	± 2.5	PASS
		VN	40	0.65	0.000341	± 2.5	PASS
		VN	50	-0.88	-0.000461	± 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	2.3	0.001240	± 2.5	PASS
		VN	TN	-0.44	-0.000237	± 2.5	PASS
		VH	TN	0.14	0.000075	± 2.5	PASS
	MCH	VL	TN	2.01	0.001069	± 2.5	PASS
		VN	TN	-1.18	-0.000628	± 2.5	PASS
		VH	TN	0.01	0.000005	± 2.5	PASS
	HCH	VL	TN	0.5	0.000262	± 2.5	PASS
		VN	TN	3.19	0.001675	± 2.5	PASS
		VH	TN	-0.13	-0.000068	± 2.5	PASS
16QAM	LCH	VL	TN	2.21	0.001191	± 2.5	PASS
		VN	TN	4.19	0.002259	± 2.5	PASS
		VH	TN	1.71	0.000922	± 2.5	PASS
	MCH	VL	TN	0.08	0.000043	± 2.5	PASS
		VN	TN	3.27	0.001739	± 2.5	PASS
		VH	TN	3.79	0.002016	± 2.5	PASS
	HCH	VL	TN	1.52	0.000798	± 2.5	PASS
		VN	TN	1.87	0.000982	± 2.5	PASS
		VH	TN	3.52	0.001848	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.2	0.001186	± 2.5	PASS
		VN	-20	-1.15	-0.000620	± 2.5	PASS
		VN	-10	4.25	0.002291	± 2.5	PASS
		VN	0	2	0.001078	± 2.5	PASS
		VN	10	1.53	0.000825	± 2.5	PASS
		VN	20	0.76	0.000410	± 2.5	PASS
		VN	30	2.65	0.001429	± 2.5	PASS
		VN	40	3.82	0.002059	± 2.5	PASS
		VN	50	1.28	0.000690	± 2.5	PASS
	MCH	VN	-30	-1.34	-0.000713	± 2.5	PASS
		VN	-20	-0.05	-0.000027	± 2.5	PASS
		VN	-10	1.63	0.000867	± 2.5	PASS
		VN	0	-0.47	-0.000250	± 2.5	PASS
		VN	10	0.85	0.000452	± 2.5	PASS
		VN	20	1.79	0.000952	± 2.5	PASS

		VN	30	2.47	0.001314	± 2.5	PASS
		VN	40	-0.49	-0.000261	± 2.5	PASS
		VN	50	2.63	0.001399	± 2.5	PASS
	HCH	VN	-30	0.15	0.000079	± 2.5	PASS
		VN	-20	3.27	0.001717	± 2.5	PASS
		VN	-10	-1.52	-0.000798	± 2.5	PASS
		VN	0	-0.1	-0.000052	± 2.5	PASS
		VN	10	4.71	0.002472	± 2.5	PASS
		VN	20	4.83	0.002535	± 2.5	PASS
		VN	30	2.88	0.001512	± 2.5	PASS
		VN	40	1.48	0.000777	± 2.5	PASS
		VN	50	1.01	0.000530	± 2.5	PASS
QPSK	LCH	VN	-30	0.51	0.000275	± 2.5	PASS
		VN	-20	0.49	0.000264	± 2.5	PASS
		VN	-10	-0.18	-0.000097	± 2.5	PASS
		VN	0	0.7	0.000377	± 2.5	PASS
		VN	10	1.12	0.000604	± 2.5	PASS
		VN	20	4.01	0.002162	± 2.5	PASS
		VN	30	0.09	0.000049	± 2.5	PASS
		VN	40	0.92	0.000496	± 2.5	PASS
		VN	50	1.97	0.001062	± 2.5	PASS
	MCH	VN	-30	-1.47	-0.000782	± 2.5	PASS
		VN	-20	0.67	0.000356	± 2.5	PASS
		VN	-10	2.01	0.001069	± 2.5	PASS
		VN	0	-0.16	-0.000085	± 2.5	PASS
		VN	10	4.56	0.002426	± 2.5	PASS
		VN	20	4.94	0.002628	± 2.5	PASS
		VN	30	1.76	0.000936	± 2.5	PASS
		VN	40	0.41	0.000218	± 2.5	PASS
		VN	50	3.11	0.001654	± 2.5	PASS
	HCH	VN	-30	-0.08	-0.000042	± 2.5	PASS
		VN	-20	0.99	0.000520	± 2.5	PASS
		VN	-10	-0.82	-0.000430	± 2.5	PASS
		VN	0	4.91	0.002577	± 2.5	PASS
		VN	10	-1.82	-0.000955	± 2.5	PASS
		VN	20	0.88	0.000462	± 2.5	PASS
		VN	30	4.23	0.002220	± 2.5	PASS
		VN	40	2.87	0.001507	± 2.5	PASS
		VN	50	4	0.002100	± 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	3.61	0.001943	± 2.5	PASS
		VN	TN	1.18	0.000635	± 2.5	PASS
		VH	TN	1.08	0.000581	± 2.5	PASS
	MCH	VL	TN	3.3	0.001755	± 2.5	PASS
		VN	TN	3.16	0.001681	± 2.5	PASS
		VH	TN	1.58	0.000840	± 2.5	PASS
	HCH	VL	TN	3.81	0.002003	± 2.5	PASS
		VN	TN	4.4	0.002313	± 2.5	PASS
		VH	TN	0.19	0.000100	± 2.5	PASS
16QAM	LCH	VL	TN	4.73	0.002546	± 2.5	PASS
		VN	TN	4.56	0.002455	± 2.5	PASS
		VH	TN	-1.37	-0.000738	± 2.5	PASS
	MCH	VL	TN	1.4	0.000745	± 2.5	PASS
		VN	TN	3.31	0.001761	± 2.5	PASS
		VH	TN	-0.59	-0.000314	± 2.5	PASS
	HCH	VL	TN	1.31	0.000689	± 2.5	PASS
		VN	TN	3.68	0.001934	± 2.5	PASS
		VH	TN	3.66	0.001924	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.85	0.001534	± 2.5	PASS
		VN	-20	1.48	0.000797	± 2.5	PASS
		VN	-10	2.48	0.001335	± 2.5	PASS
		VN	0	0.8	0.000431	± 2.5	PASS
		VN	10	2.79	0.001502	± 2.5	PASS
		VN	20	2.47	0.001330	± 2.5	PASS
		VN	30	3.21	0.001728	± 2.5	PASS
		VN	40	0.24	0.000129	± 2.5	PASS
		VN	50	3.05	0.001642	± 2.5	PASS
	MCH	VN	-30	4.48	0.002383	± 2.5	PASS
		VN	-20	3.38	0.001798	± 2.5	PASS
		VN	-10	-0.68	-0.000362	± 2.5	PASS
		VN	0	1.36	0.000723	± 2.5	PASS
		VN	10	0.92	0.000489	± 2.5	PASS
		VN	20	0.52	0.000277	± 2.5	PASS

		VN	30	2.9	0.001543	± 2.5	PASS
		VN	40	3.67	0.001952	± 2.5	PASS
		VN	50	3.02	0.001606	± 2.5	PASS
	HCH	VN	-30	4.66	0.002449	± 2.5	PASS
		VN	-20	-0.39	-0.000205	± 2.5	PASS
		VN	-10	3.13	0.001645	± 2.5	PASS
		VN	0	0.67	0.000352	± 2.5	PASS
		VN	10	-0.18	-0.000095	± 2.5	PASS
		VN	20	-0.52	-0.000273	± 2.5	PASS
		VN	30	-0.41	-0.000216	± 2.5	PASS
		VN	40	4.79	0.002518	± 2.5	PASS
		VN	50	-0.64	-0.000336	± 2.5	PASS
QPSK	LCH	VN	-30	-0.06	-0.000032	± 2.5	PASS
		VN	-20	-1.65	-0.000888	± 2.5	PASS
		VN	-10	4.64	0.002498	± 2.5	PASS
		VN	0	-1.29	-0.000694	± 2.5	PASS
		VN	10	4.56	0.002455	± 2.5	PASS
		VN	20	0.52	0.000280	± 2.5	PASS
		VN	30	3.04	0.001637	± 2.5	PASS
		VN	40	0.4	0.000215	± 2.5	PASS
		VN	50	-1.13	-0.000608	± 2.5	PASS
	MCH	VN	-30	2.33	0.001239	± 2.5	PASS
		VN	-20	2.78	0.001479	± 2.5	PASS
		VN	-10	3.12	0.001660	± 2.5	PASS
		VN	0	2.01	0.001069	± 2.5	PASS
		VN	10	-0.43	-0.000229	± 2.5	PASS
		VN	20	0.51	0.000271	± 2.5	PASS
		VN	30	1.57	0.000835	± 2.5	PASS
		VN	40	3.75	0.001995	± 2.5	PASS
		VN	50	1.88	0.001000	± 2.5	PASS
	HCH	VN	-30	0.37	0.000194	± 2.5	PASS
		VN	-20	4.45	0.002339	± 2.5	PASS
		VN	-10	2.32	0.001219	± 2.5	PASS
		VN	0	3.98	0.002092	± 2.5	PASS
		VN	10	0.73	0.000384	± 2.5	PASS
		VN	20	4.82	0.002534	± 2.5	PASS
		VN	30	3.25	0.001708	± 2.5	PASS
		VN	40	0.83	0.000436	± 2.5	PASS
		VN	50	0.76	0.000399	± 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	1.11	0.000597	± 2.5	PASS
		VN	TN	3.84	0.002065	± 2.5	PASS
		VH	TN	0.16	0.000086	± 2.5	PASS
	MCH	VL	TN	2.59	0.001378	± 2.5	PASS
		VN	TN	1.12	0.000596	± 2.5	PASS
		VH	TN	-1.02	-0.000543	± 2.5	PASS
	HCH	VL	TN	0.88	0.000463	± 2.5	PASS
		VN	TN	1.05	0.000553	± 2.5	PASS
		VH	TN	0.79	0.000416	± 2.5	PASS
16QAM	LCH	VL	TN	1.18	0.000634	± 2.5	PASS
		VN	TN	-0.2	-0.000108	± 2.5	PASS
		VH	TN	-1.87	-0.001005	± 2.5	PASS
	MCH	VL	TN	-1.49	-0.000793	± 2.5	PASS
		VN	TN	1.33	0.000707	± 2.5	PASS
		VH	TN	-1.21	-0.000644	± 2.5	PASS
	HCH	VL	TN	1.6	0.000842	± 2.5	PASS
		VN	TN	0.49	0.000258	± 2.5	PASS
		VH	TN	4.46	0.002347	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.87	0.001005	± 2.5	PASS
		VN	-20	2.38	0.001280	± 2.5	PASS
		VN	-10	2.56	0.001376	± 2.5	PASS
		VN	0	4.37	0.002349	± 2.5	PASS
		VN	10	1.22	0.000656	± 2.5	PASS
		VN	20	3.57	0.001919	± 2.5	PASS
		VN	30	2.04	0.001097	± 2.5	PASS
		VN	40	-1.04	-0.000559	± 2.5	PASS
		VN	50	2.42	0.001301	± 2.5	PASS
	MCH	VN	-30	1.02	0.000543	± 2.5	PASS
		VN	-20	-1.66	-0.000883	± 2.5	PASS
		VN	-10	0.87	0.000463	± 2.5	PASS
		VN	0	-1.34	-0.000713	± 2.5	PASS
		VN	10	2.97	0.001580	± 2.5	PASS
		VN	20	0.95	0.000505	± 2.5	PASS

		VN	30	0.47	0.000250	± 2.5	PASS
		VN	40	-1.25	-0.000665	± 2.5	PASS
		VN	50	2.15	0.001144	± 2.5	PASS
	HCH	VN	-30	0.89	0.000468	± 2.5	PASS
		VN	-20	3.7	0.001947	± 2.5	PASS
		VN	-10	-1.18	-0.000621	± 2.5	PASS
		VN	0	4.05	0.002132	± 2.5	PASS
		VN	10	3.58	0.001884	± 2.5	PASS
		VN	20	3.69	0.001942	± 2.5	PASS
		VN	30	4.33	0.002279	± 2.5	PASS
		VN	40	3.26	0.001716	± 2.5	PASS
		VN	50	-1.79	-0.000942	± 2.5	PASS
QPSK	LCH	VN	-30	-1.44	-0.000774	± 2.5	PASS
		VN	-20	4.67	0.002511	± 2.5	PASS
		VN	-10	-0.59	-0.000317	± 2.5	PASS
		VN	0	3.72	0.002000	± 2.5	PASS
		VN	10	3.12	0.001677	± 2.5	PASS
		VN	20	3.88	0.002086	± 2.5	PASS
		VN	30	2.9	0.001559	± 2.5	PASS
		VN	40	3.13	0.001683	± 2.5	PASS
		VN	50	-1.81	-0.000973	± 2.5	PASS
	MCH	VN	-30	4.02	0.002138	± 2.5	PASS
		VN	-20	-1.83	-0.000973	± 2.5	PASS
		VN	-10	-1.03	-0.000548	± 2.5	PASS
		VN	0	3.65	0.001941	± 2.5	PASS
		VN	10	2.13	0.001133	± 2.5	PASS
		VN	20	1.24	0.000660	± 2.5	PASS
		VN	30	4.97	0.002644	± 2.5	PASS
		VN	40	0.35	0.000186	± 2.5	PASS
		VN	50	3.55	0.001888	± 2.5	PASS
	HCH	VN	-30	1.09	0.000574	± 2.5	PASS
		VN	-20	3.5	0.001842	± 2.5	PASS
		VN	-10	-0.44	-0.000232	± 2.5	PASS
		VN	0	2.24	0.001179	± 2.5	PASS
		VN	10	4.36	0.002295	± 2.5	PASS
		VN	20	0.95	0.000500	± 2.5	PASS
		VN	30	3.67	0.001932	± 2.5	PASS
		VN	40	1.55	0.000816	± 2.5	PASS
		VN	50	-0.37	-0.000195	± 2.5	PASS