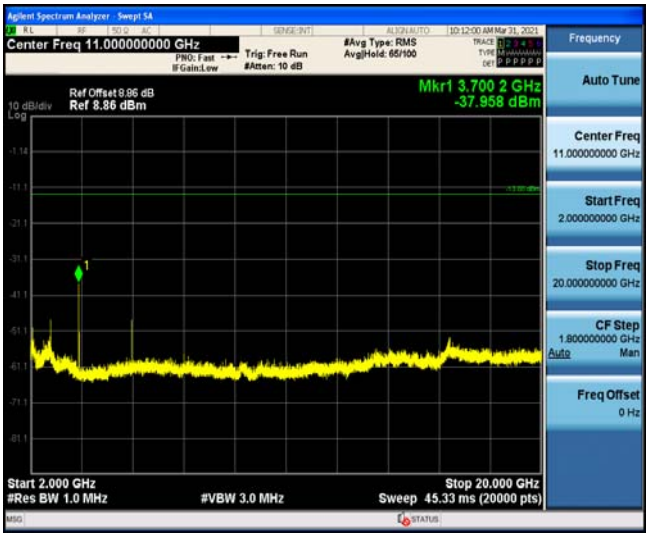
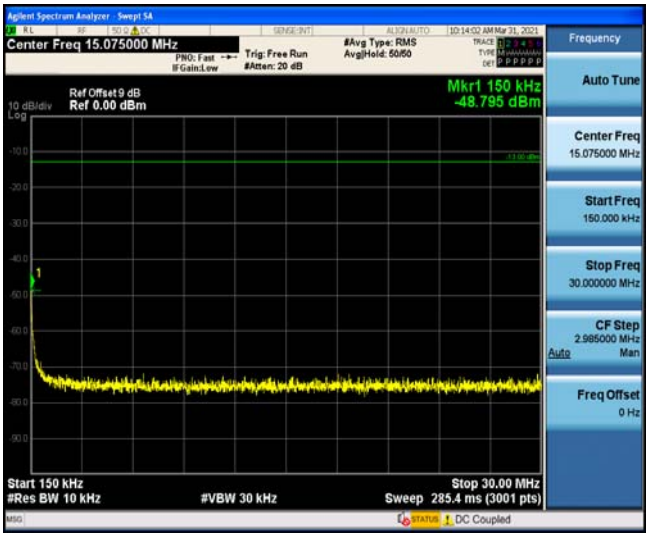


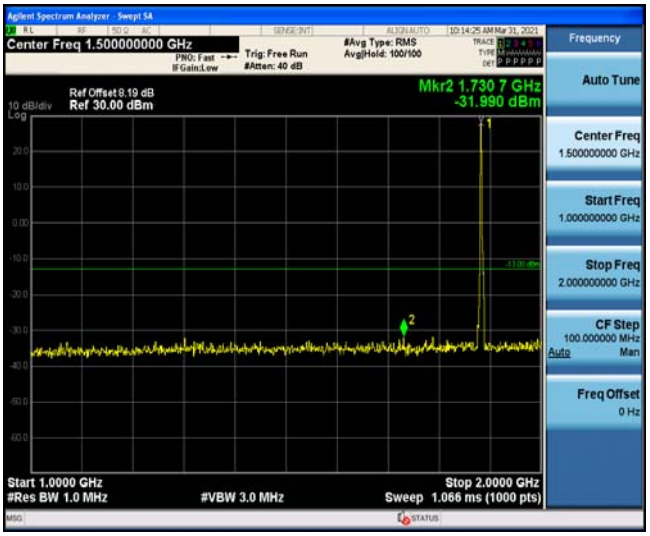
Band25_3MHz_16QAM_26365_1RB#0

Band25_3MHz_16QAM_26365_1RB#0

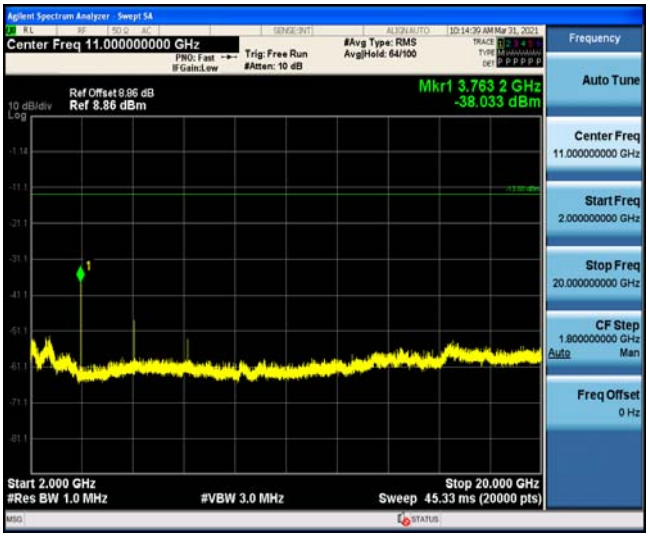


Band25_3MHz_16QAM_26365_1RB#0

Band25_3MHz_16QAM_26365_1RB#0

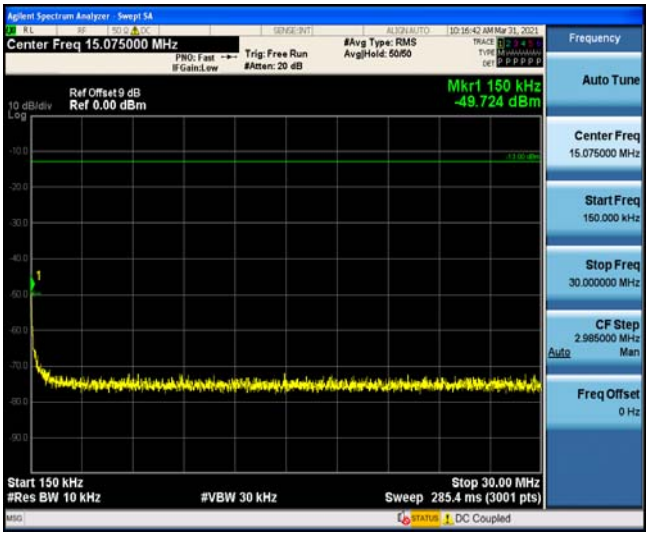


Band25_3MHz_16QAM_26365_1RB#0

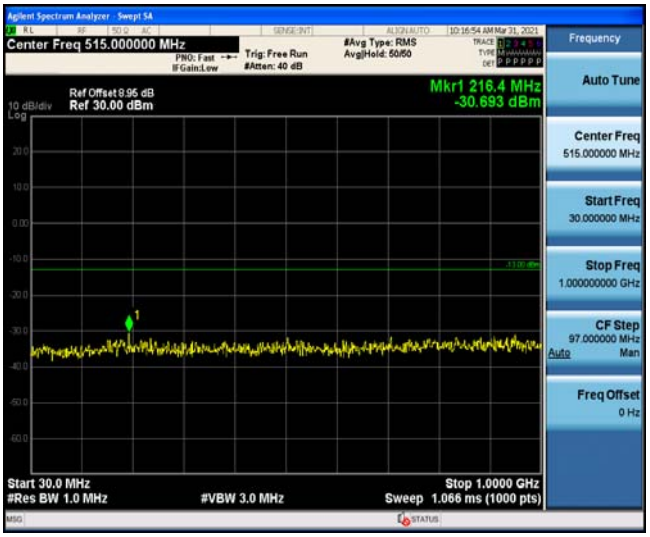


Band25_3MHz_16QAM_26675_1RB#0

Band25_3MHz_16QAM_26675_1RB#0



Band25_3MHz_16QAM_26675_1RB#0



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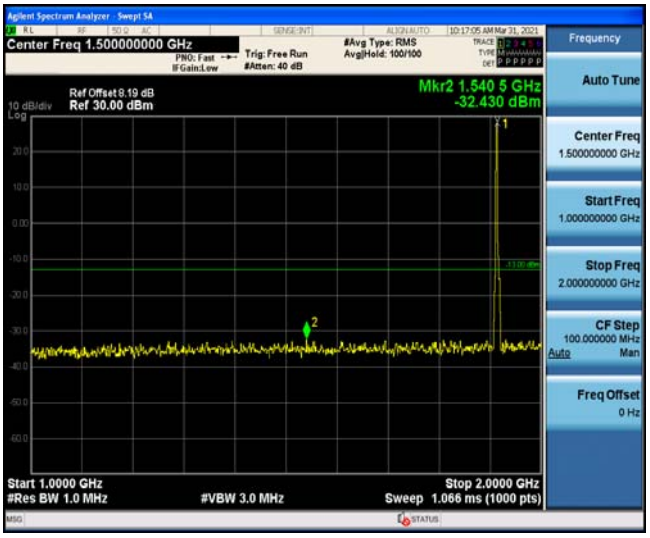

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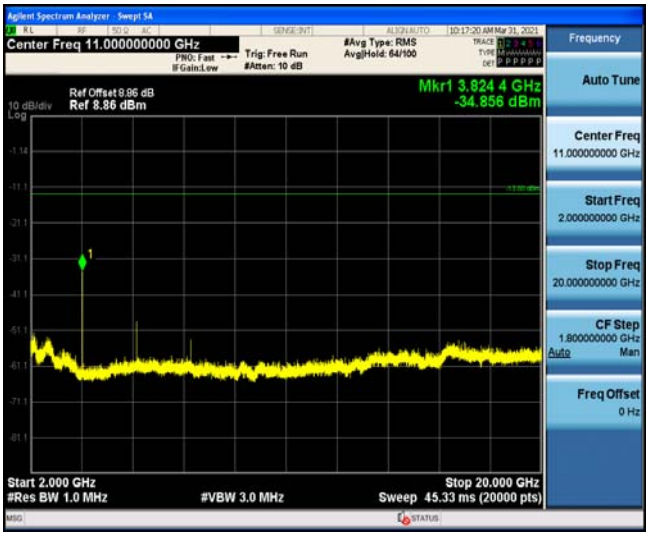
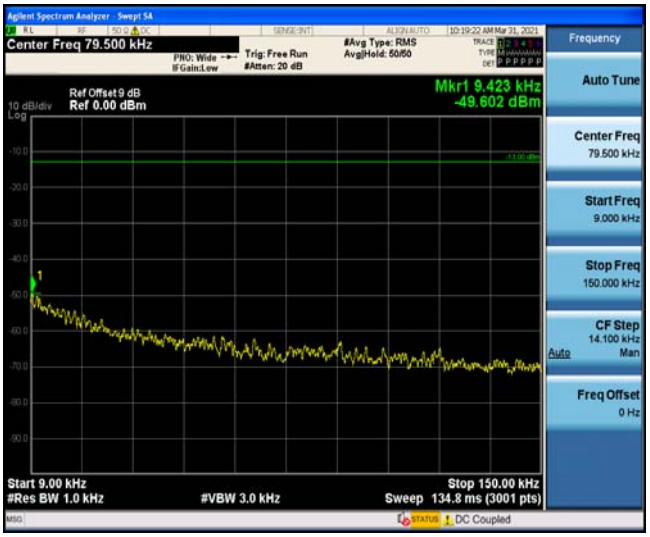


Band25_5MHz_QPSK_26065_1RB#0



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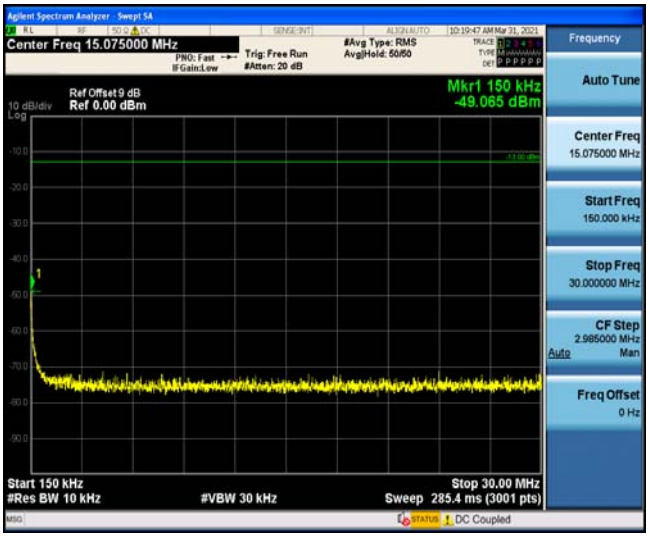

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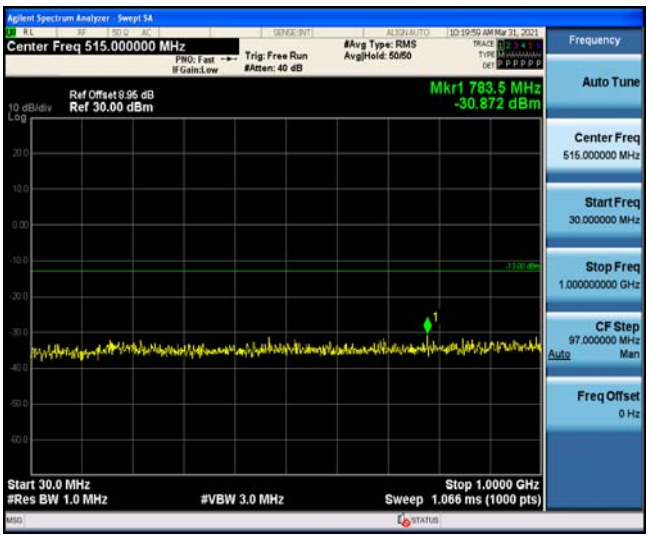
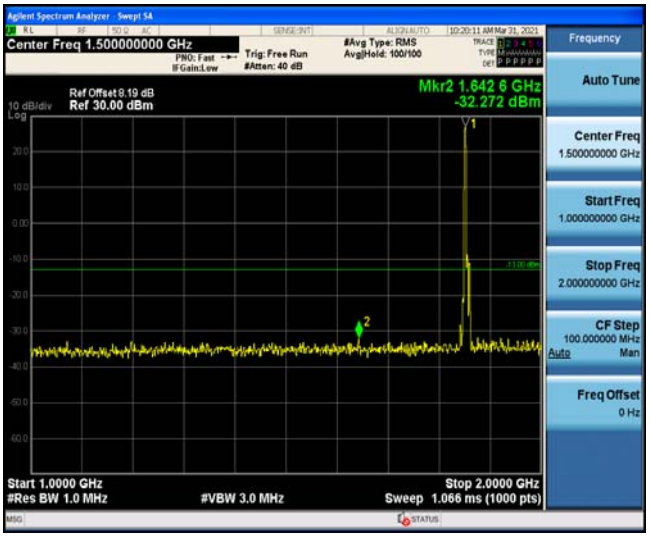
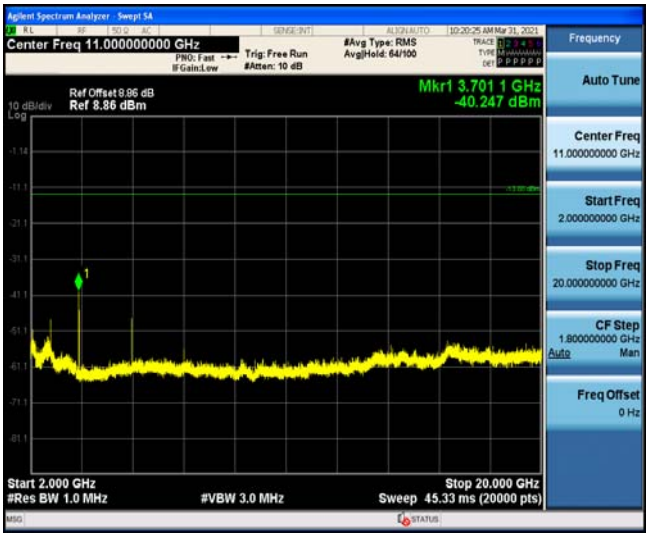


Band25_5MHz_QPSK_26065_1RB#0

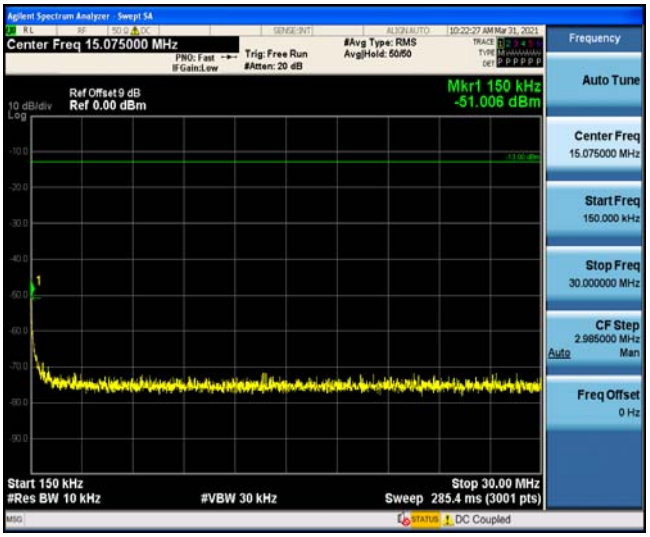


Band25_5MHz_QPSK_26065_1RB#0



Band25_5MHz_QPSK_26365_1RB#0

Band25_5MHz_QPSK_26365_1RB#0



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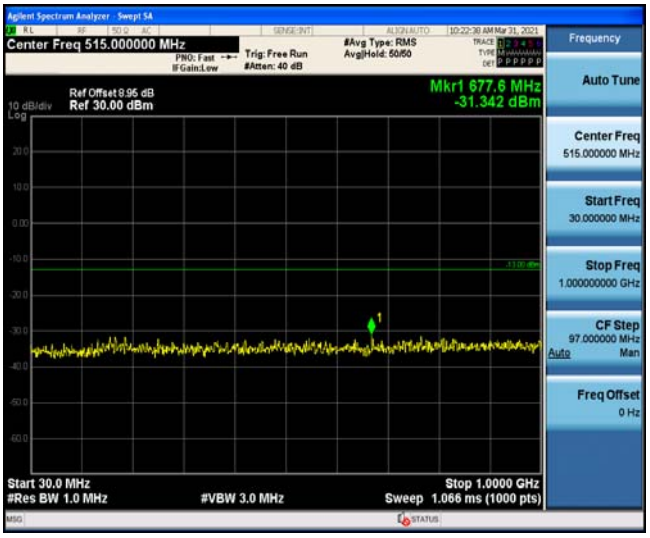

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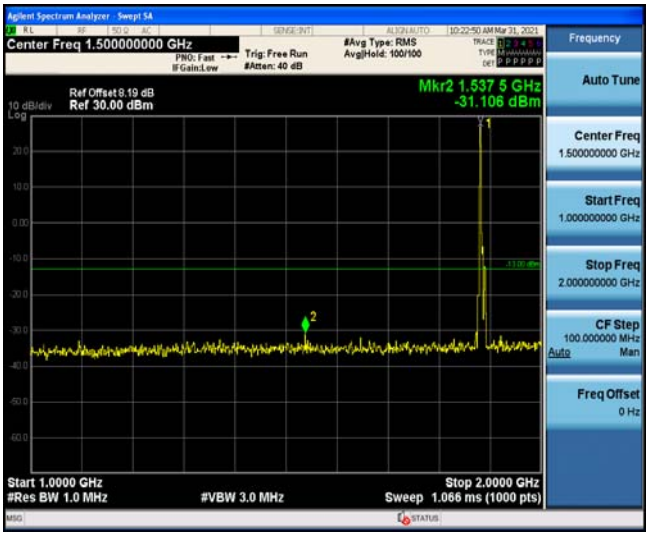
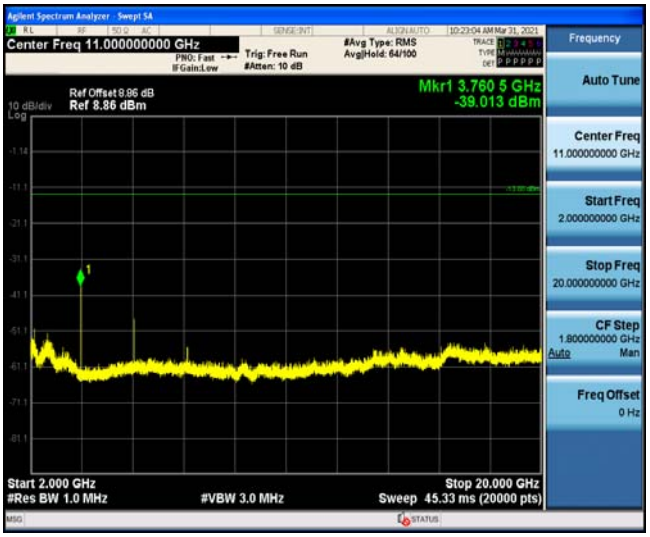
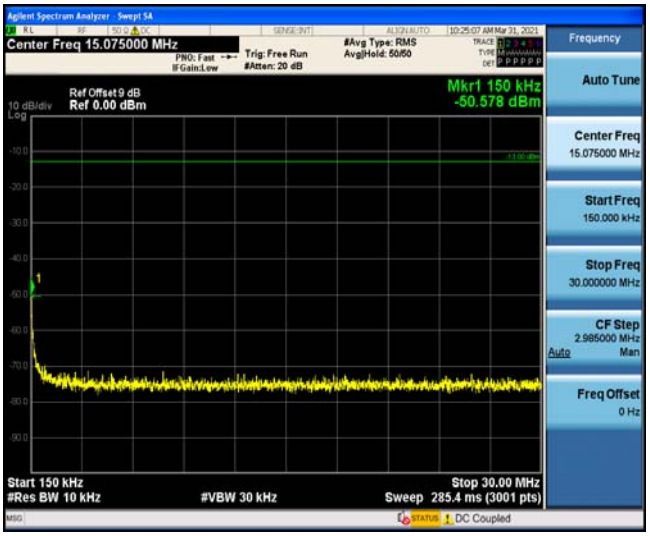


Band25_5MHz_QPSK_26365_1RB#0



Band25_5MHz_QPSK_26665_1RB#0

Band25_5MHz_QPSK_26665_1RB#0



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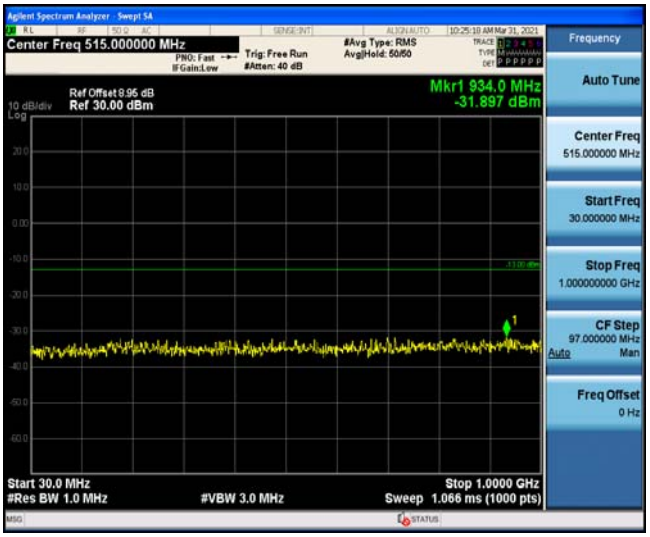
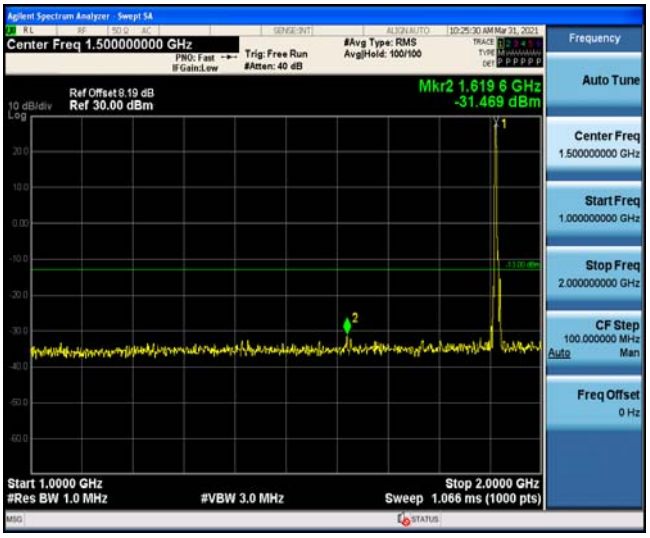


Band25_5MHz_QPSK_26665_1RB#0



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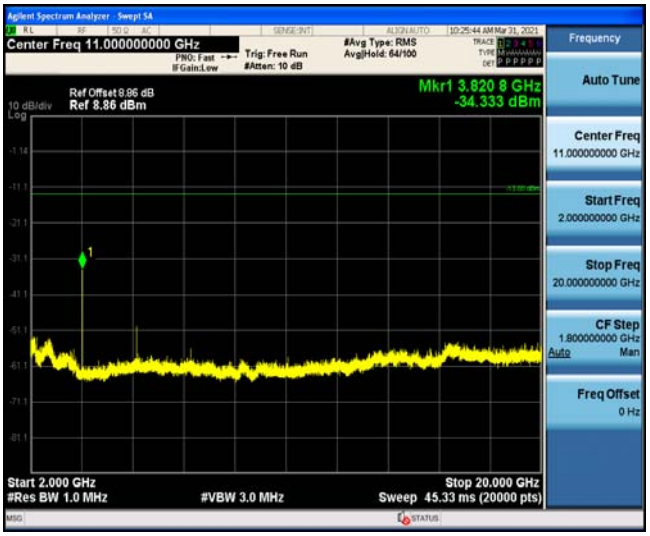
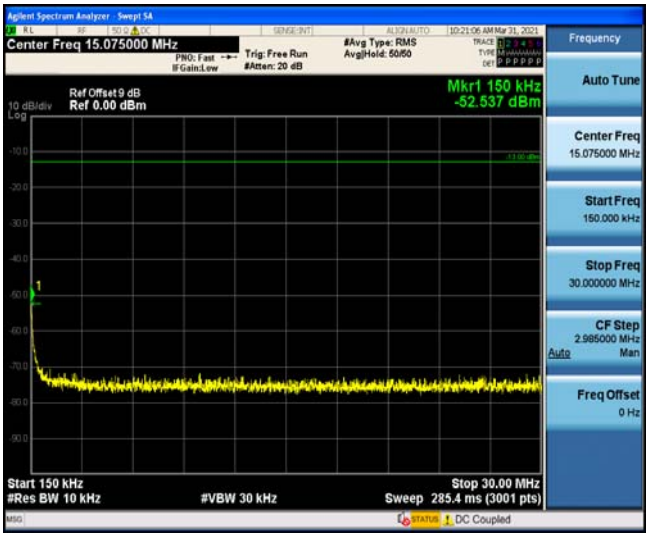


Band25_5MHz_16QAM_26065_1RB#0

Band25_5MHz_16QAM_26065_1RB#0



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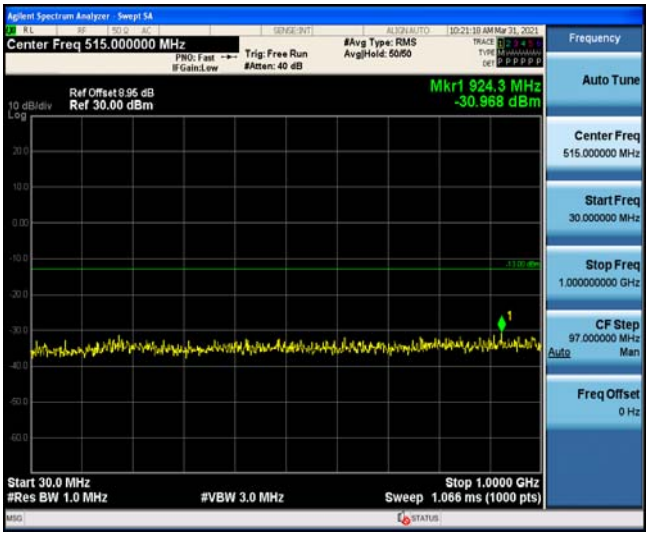
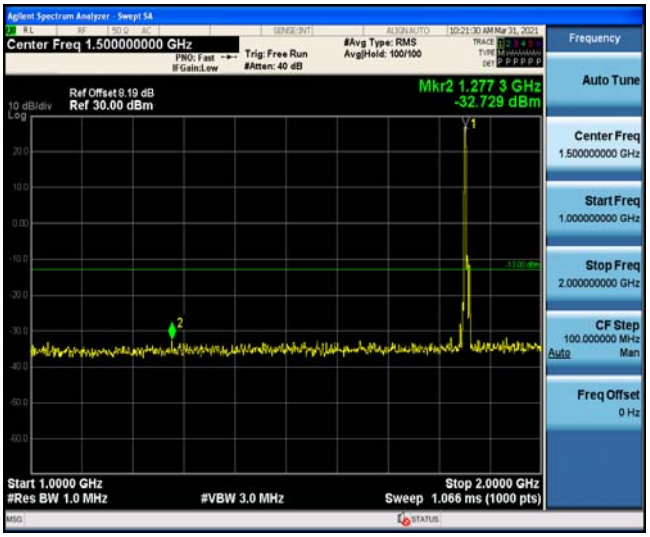
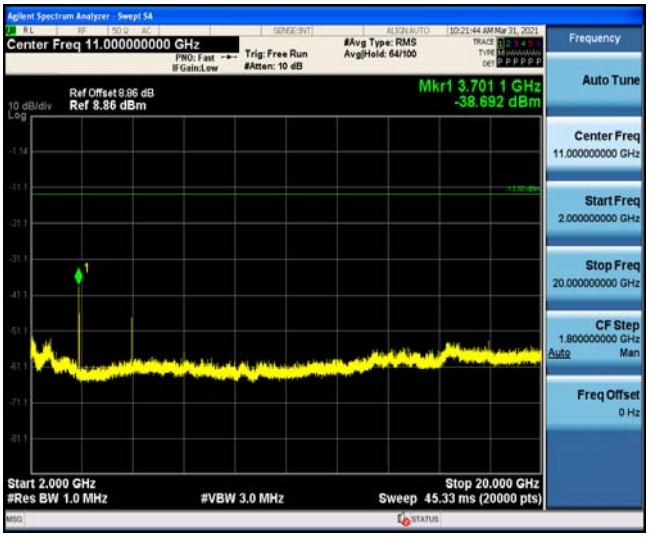


Band25_5MHz_16QAM_26065_1RB#0

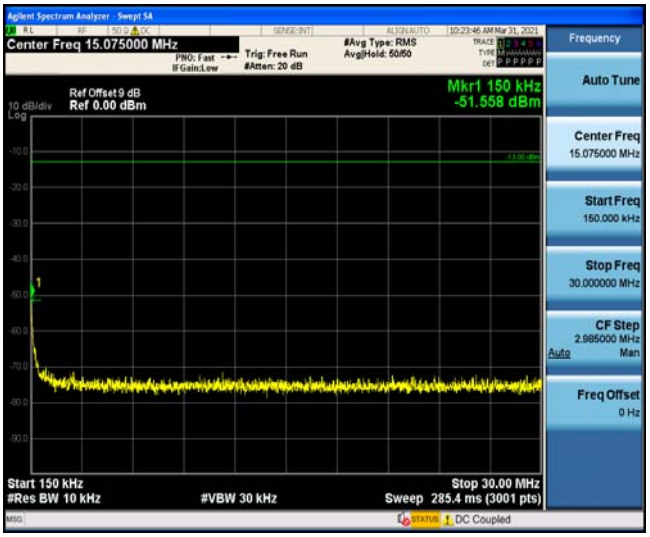


Band25_5MHz_16QAM_26065_1RB#0

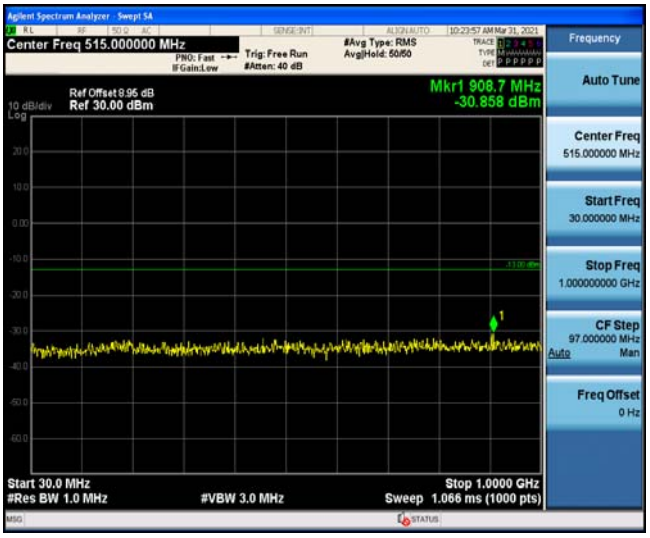


Band25_5MHz_16QAM_26365_1RB#0

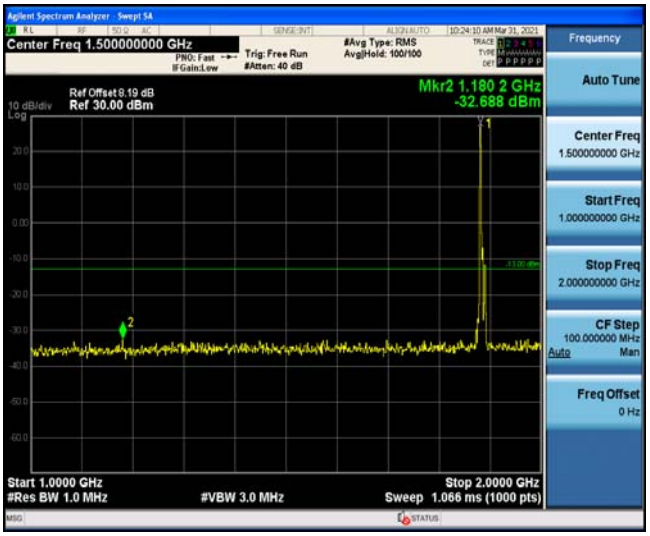
Band25_5MHz_16QAM_26365_1RB#0



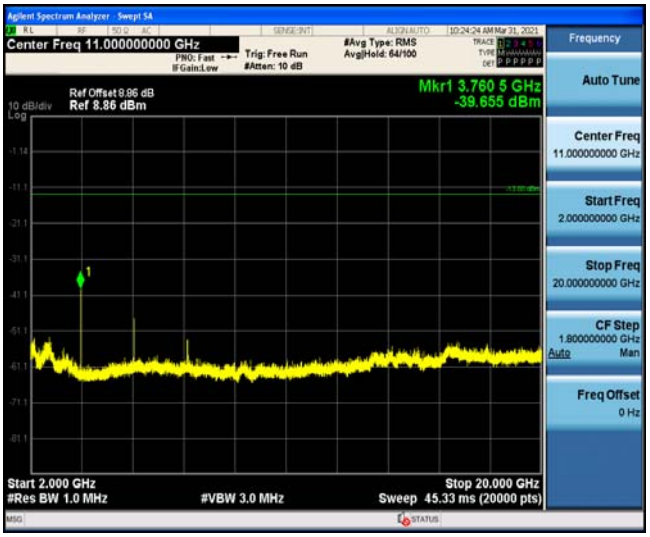
Band25_5MHz_16QAM_26365_1RB#0



Band25_5MHz_16QAM_26365_1RB#0

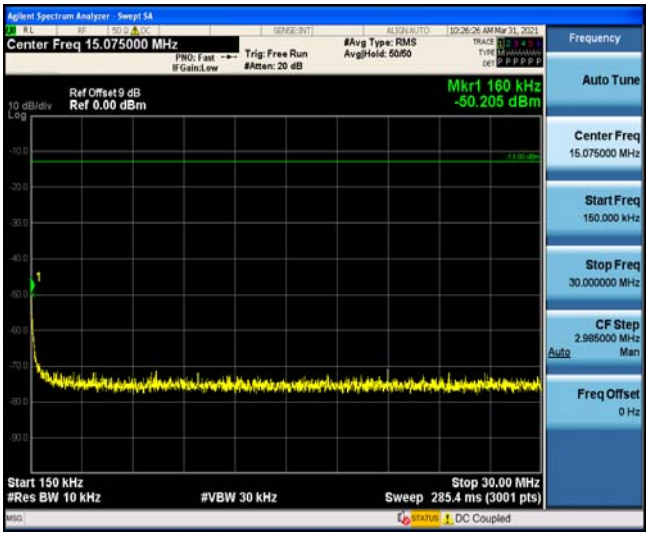


Band25_5MHz_16QAM_26365_1RB#0

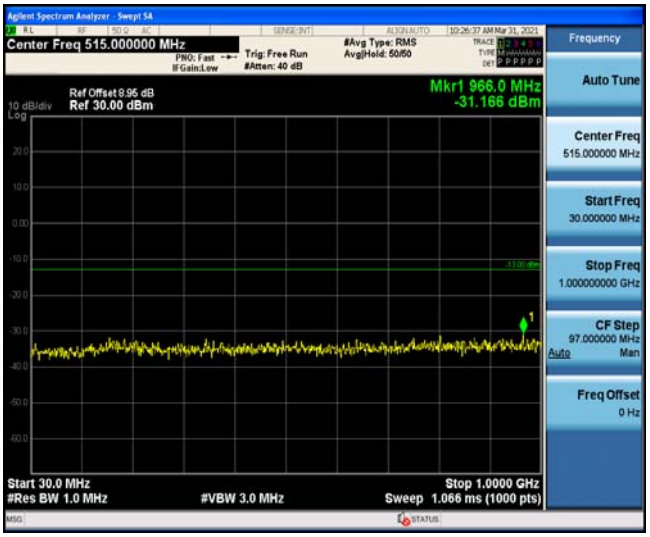


Band25_5MHz_16QAM_26665_1RB#0

Band25_5MHz_16QAM_26665_1RB#0

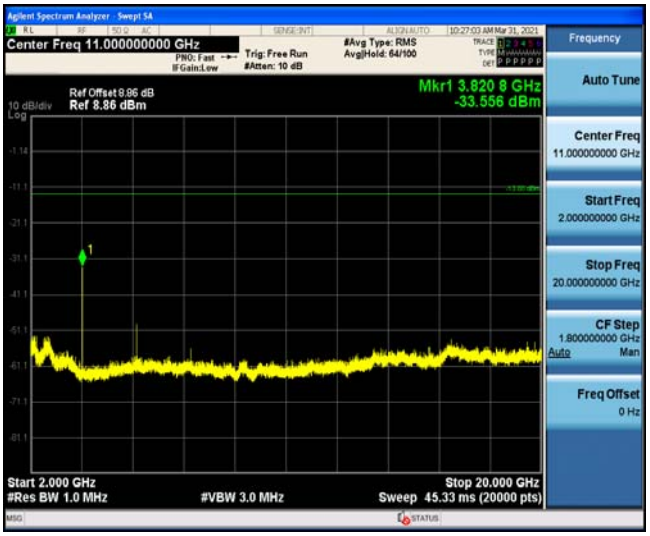


Band25_5MHz_16QAM_26665_1RB#0



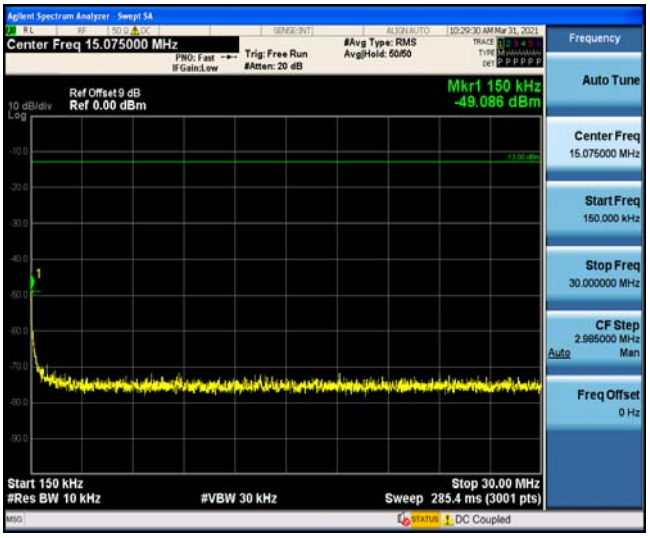
Band25_5MHz_16QAM_26665_1RB#0

Band25_5MHz_16QAM_26665_1RB#0

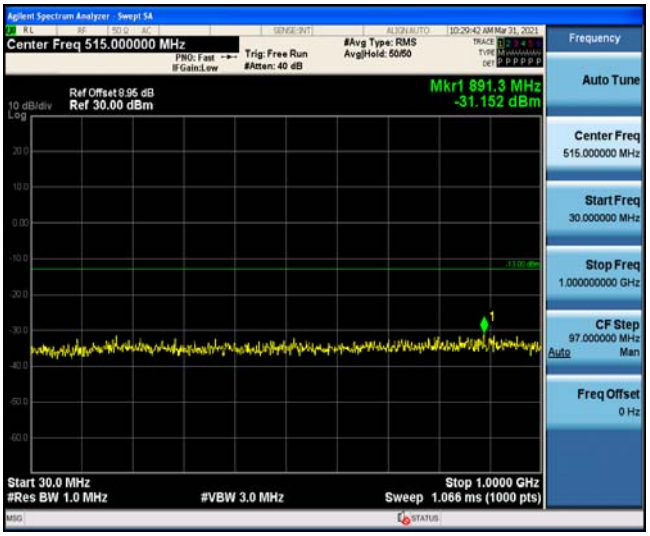


Band25_10MHz_QPSK_26090_1RB#0

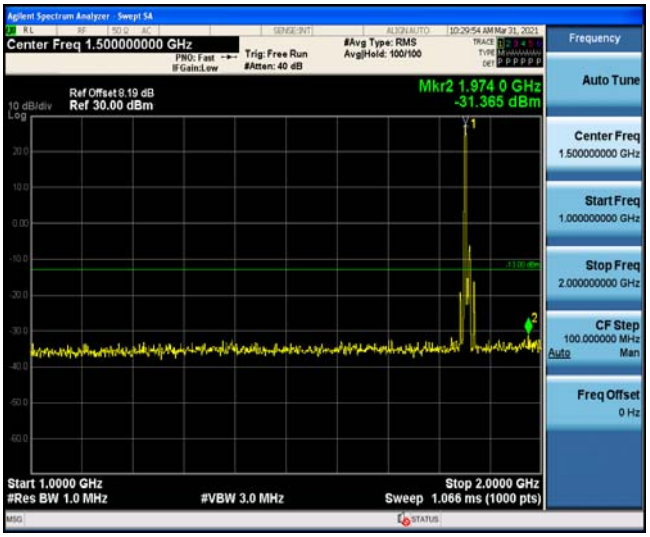
Band25_10MHz_QPSK_26090_1RB#0



Band25_10MHz_QPSK_26090_1RB#0



Band25_10MHz_QPSK_26090_1RB#0



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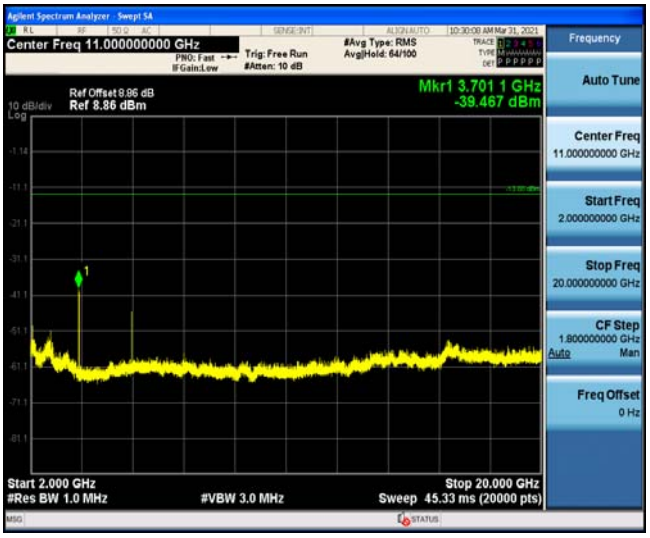

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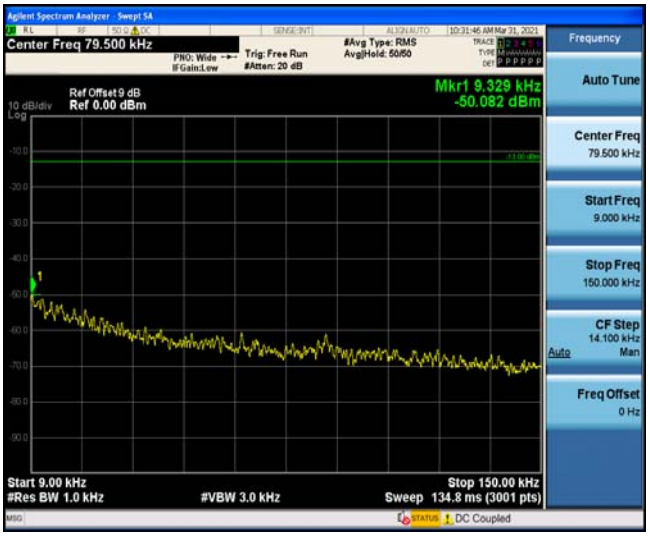
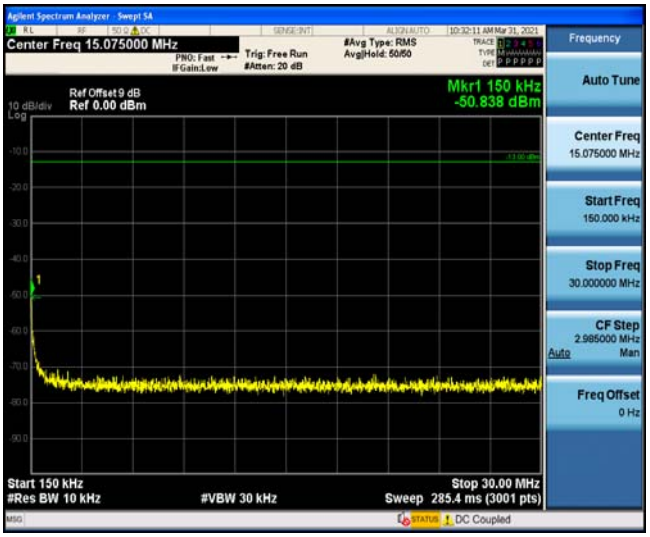
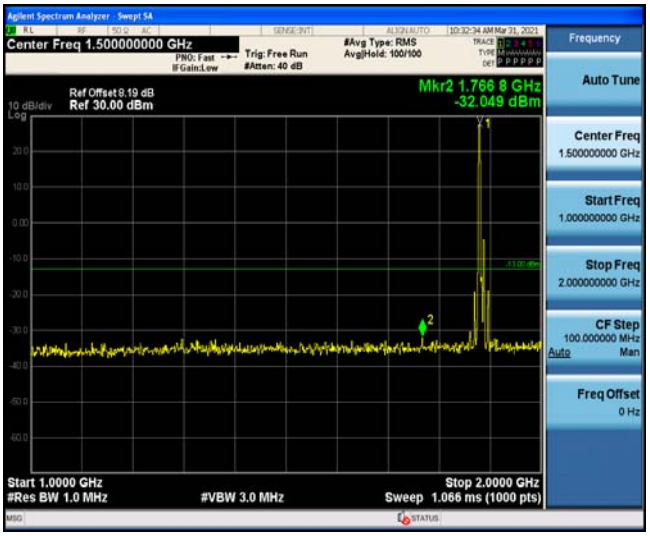


Band25_10MHz_QPSK_26365_1RB#0



Band25_10MHz_QPSK_26365_1RB#0

Band25_10MHz_QPSK_26365_1RB#0



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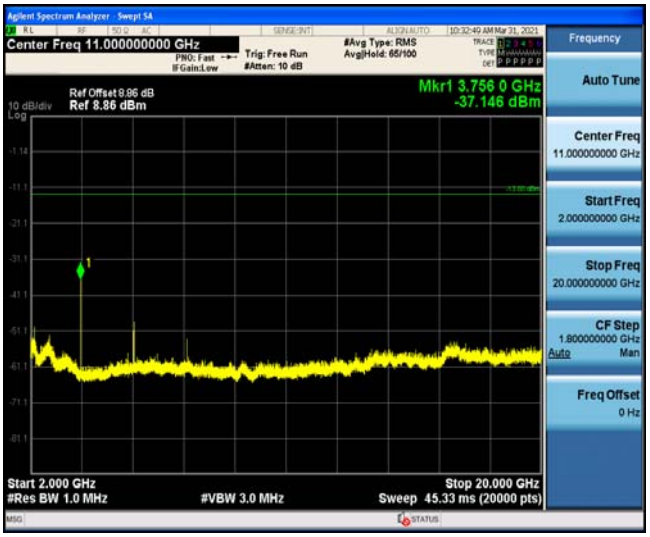
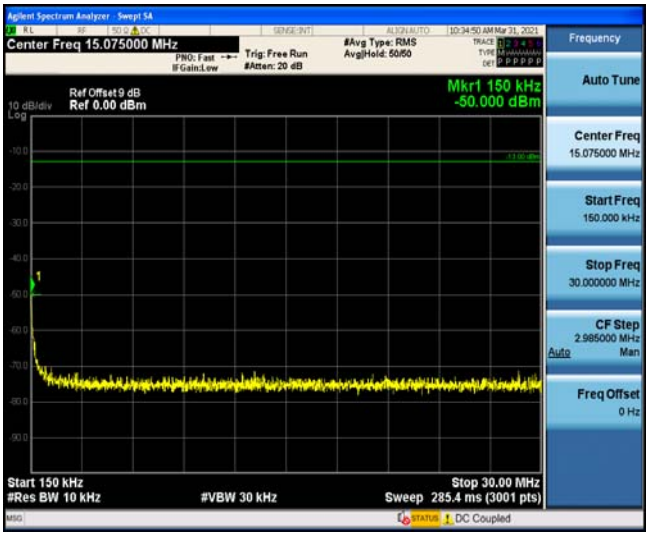


Band25_10MHz_QPSK_26640_1RB#0

Band25_10MHz_QPSK_26640_1RB#0



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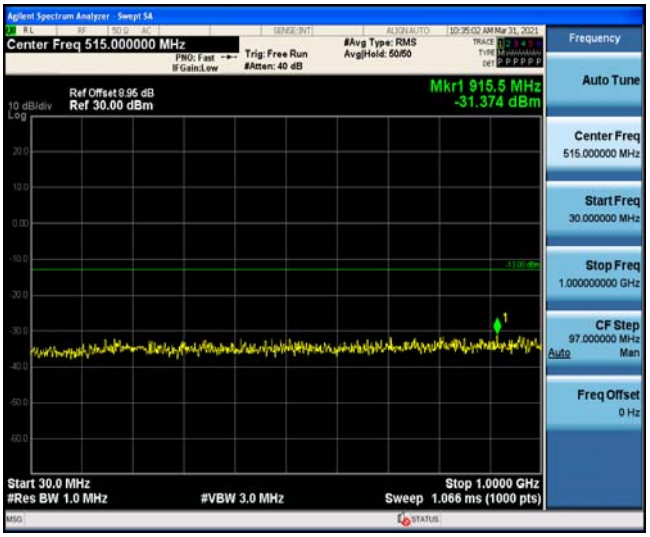
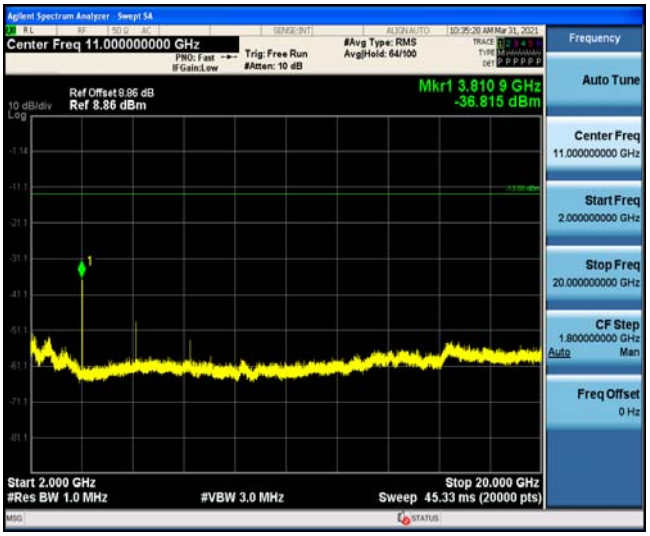


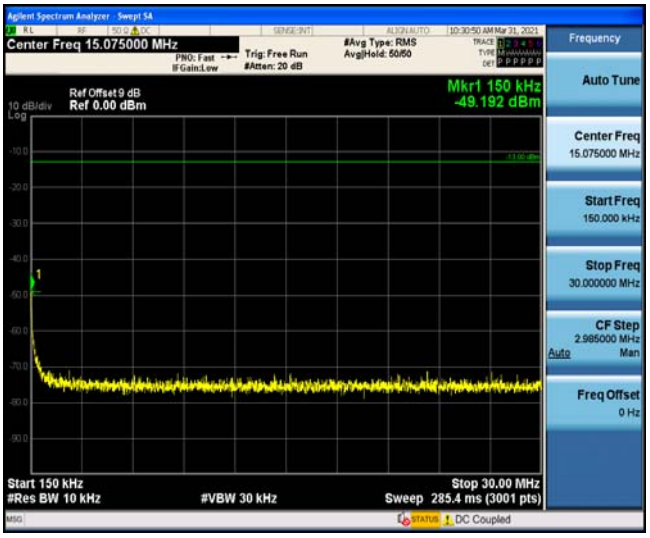
Band25_10MHz_QPSK_26640_1RB#0

Band25_10MHz_QPSK_26640_1RB#0

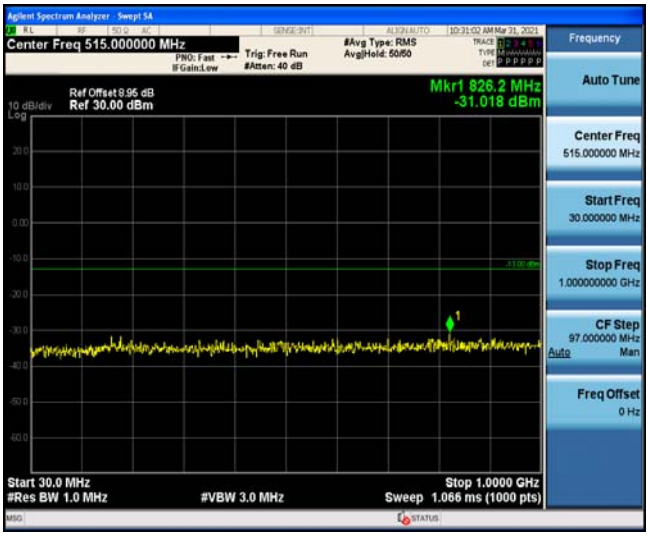


Band25_10MHz_16QAM_26090_1RB#0

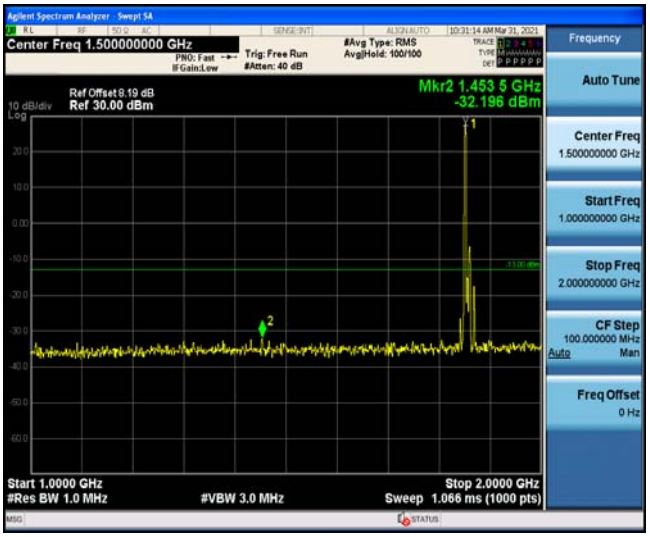
Band25_10MHz_16QAM_26090_1RB#0



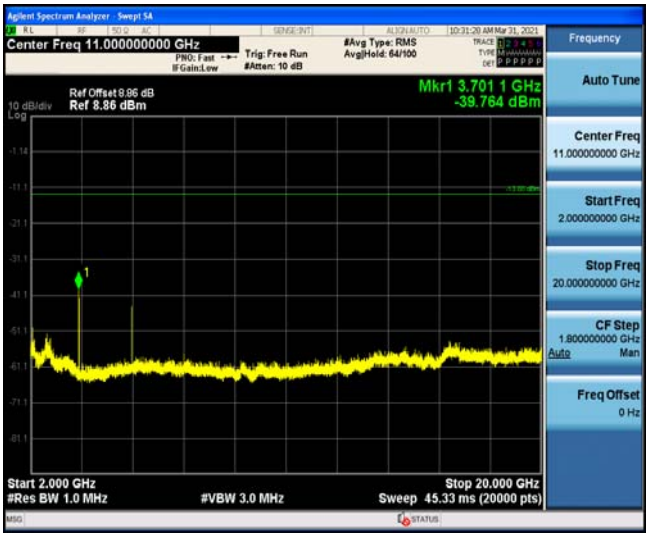
Band25_10MHz_16QAM_26090_1RB#0



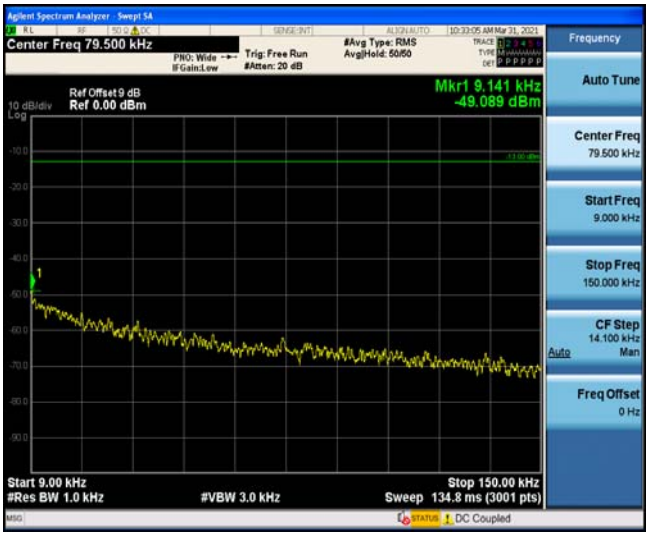
Band25_10MHz_16QAM_26090_1RB#0



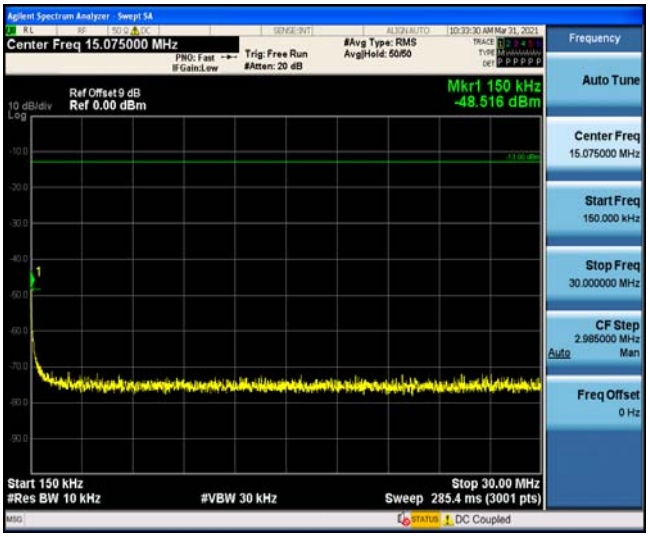
Band25_10MHz_16QAM_26090_1RB#0



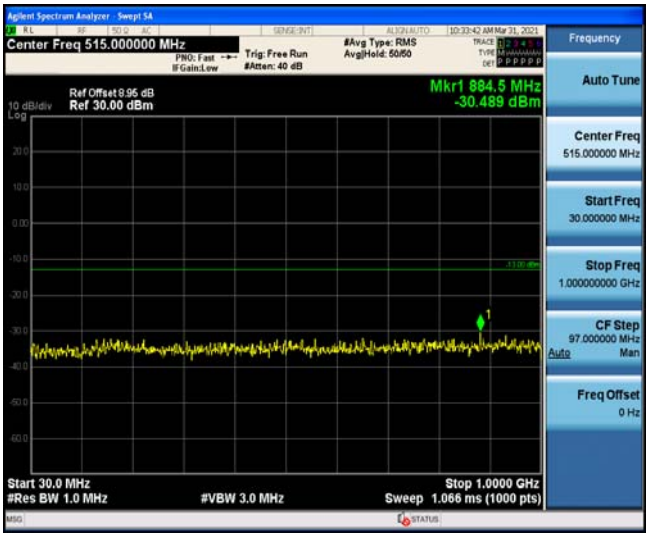
Band25_10MHz_16QAM_26365_1RB#0



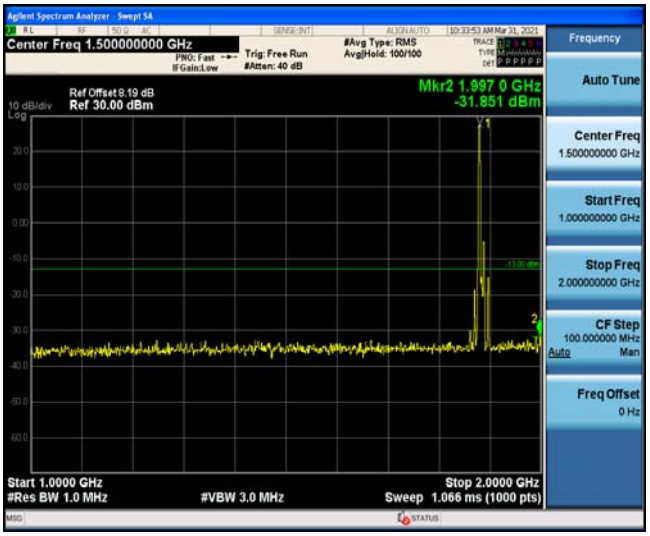
Band25_10MHz_16QAM_26365_1RB#0



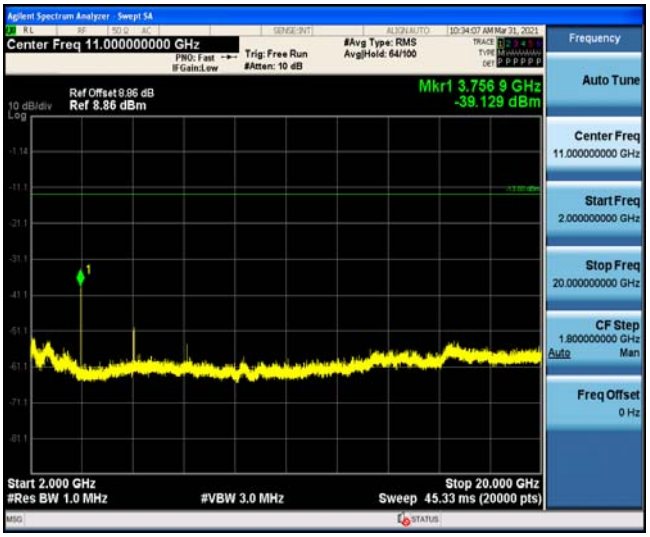
Band25_10MHz_16QAM_26365_1RB#0



Band25_10MHz_16QAM_26365_1RB#0

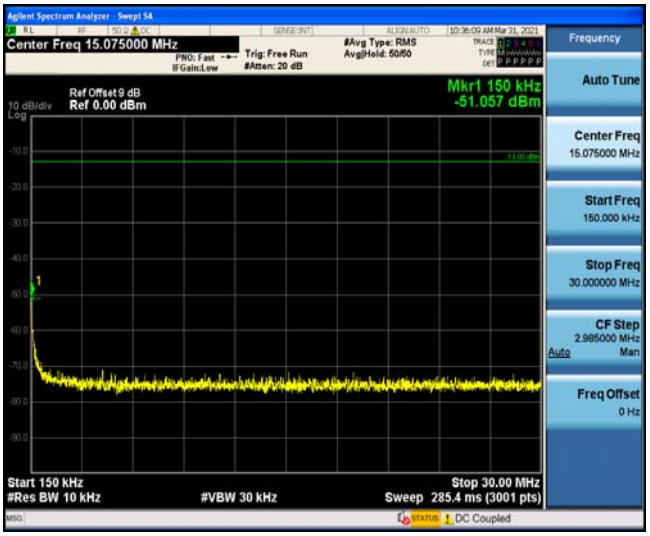


Band25_10MHz_16QAM_26365_1RB#0

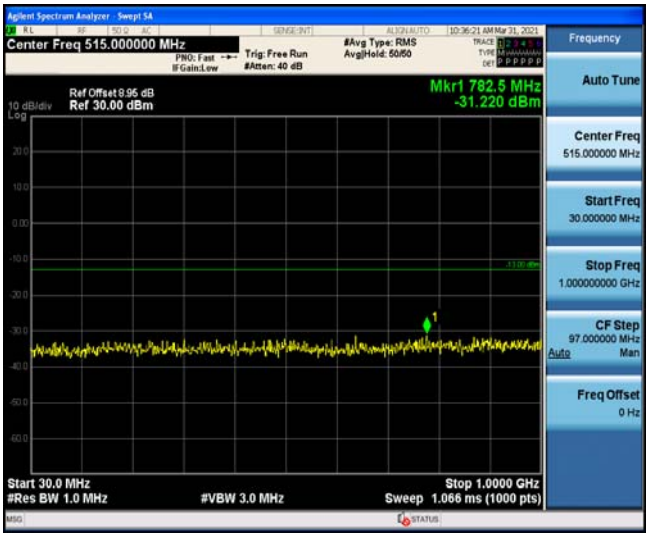


Band25_10MHz_16QAM_26640_1RB#0

Band25_10MHz_16QAM_26640_1RB#0



Band25_10MHz_16QAM_26640_1RB#0



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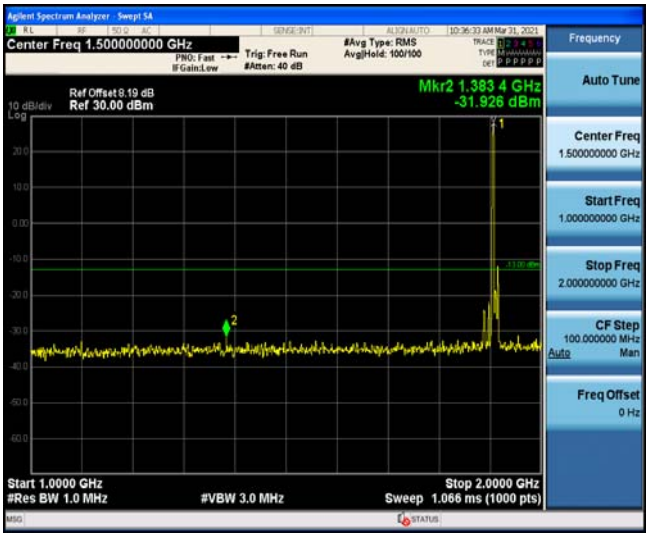

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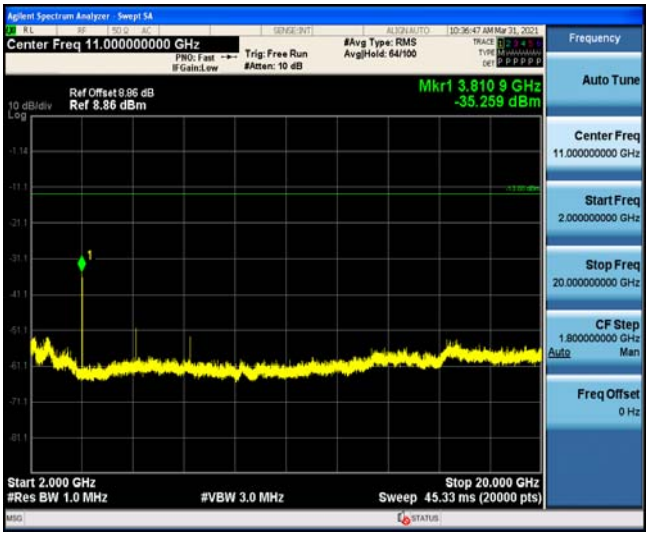

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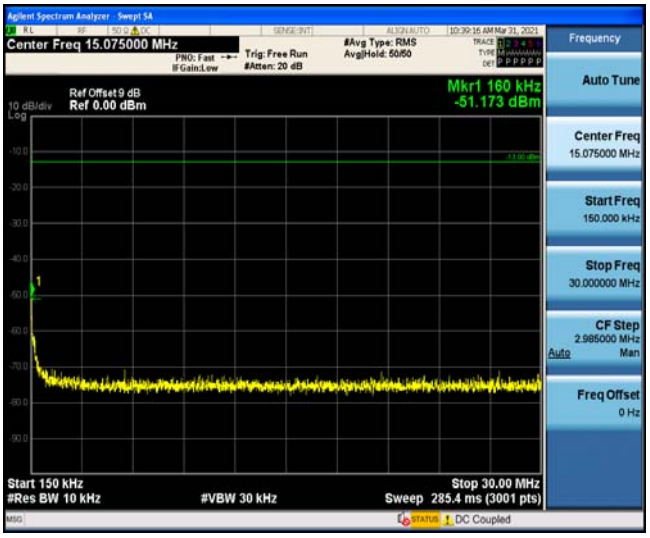

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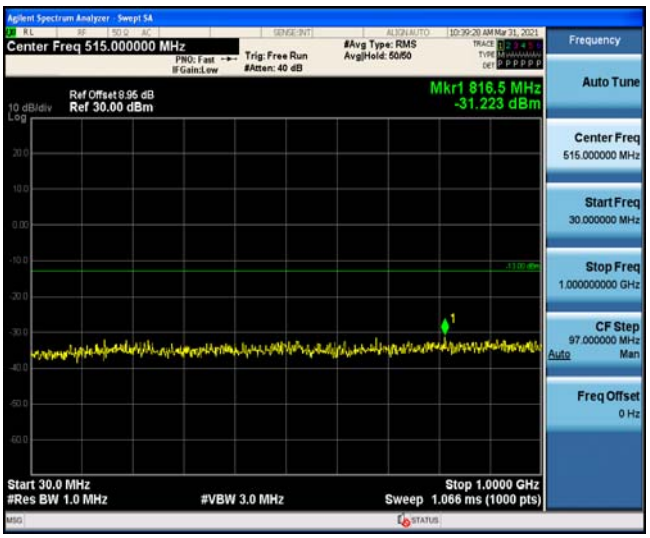

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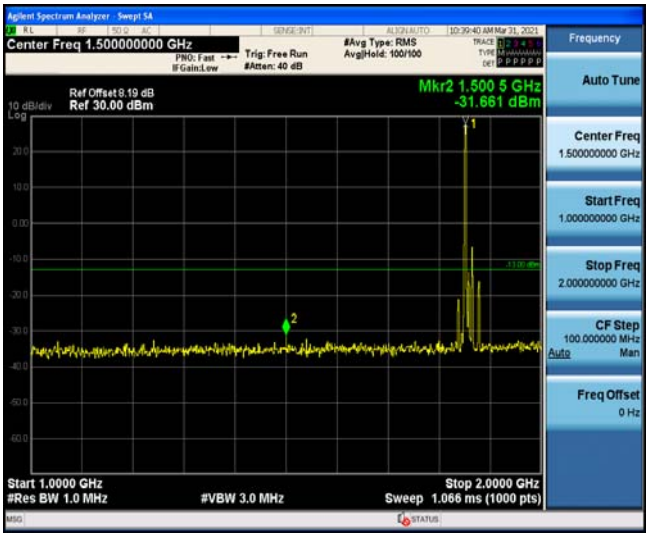

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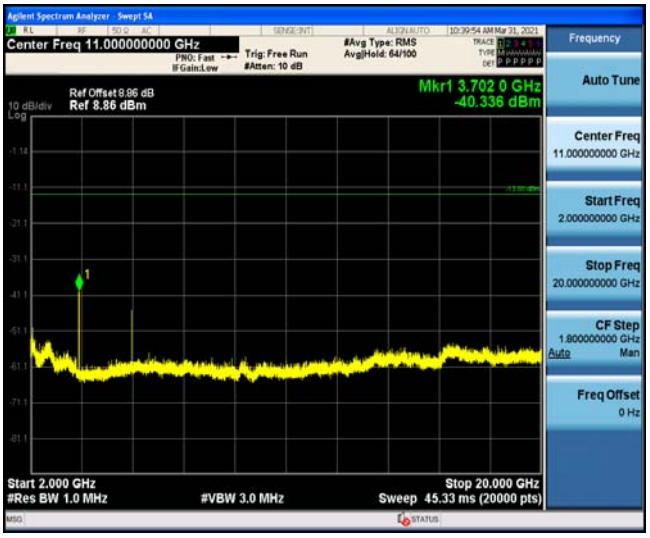

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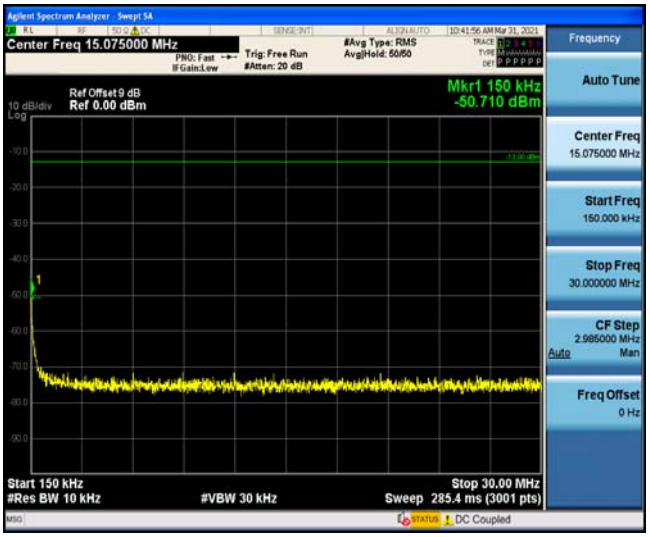

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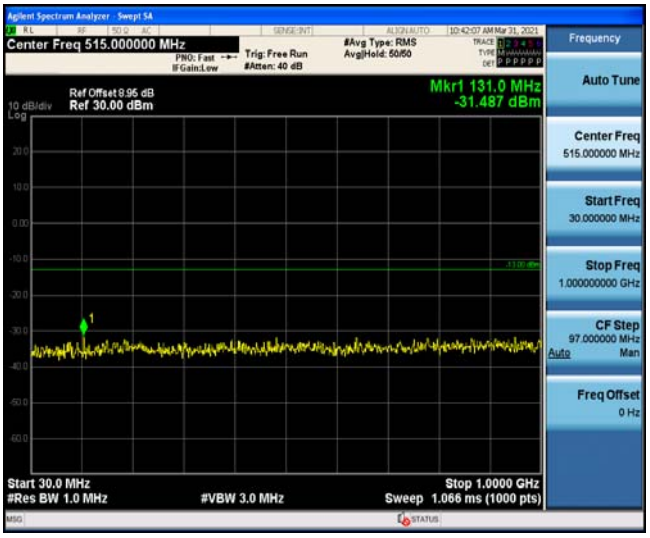

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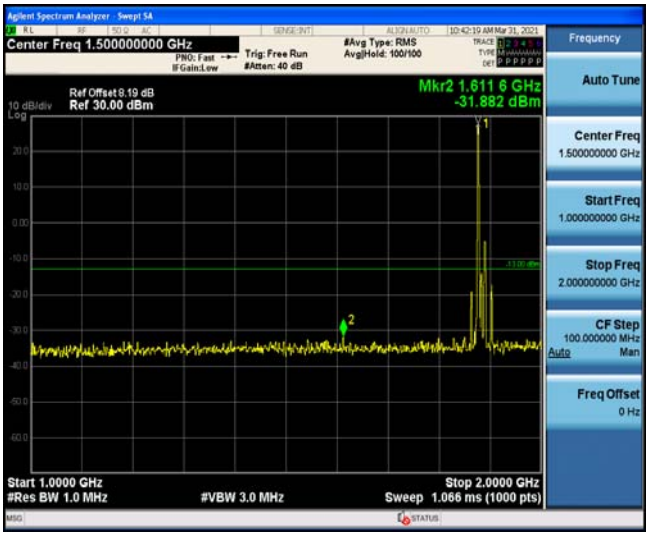

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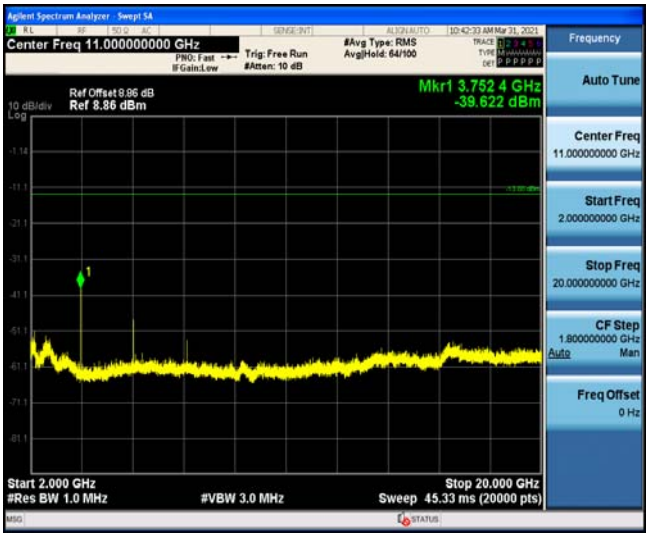

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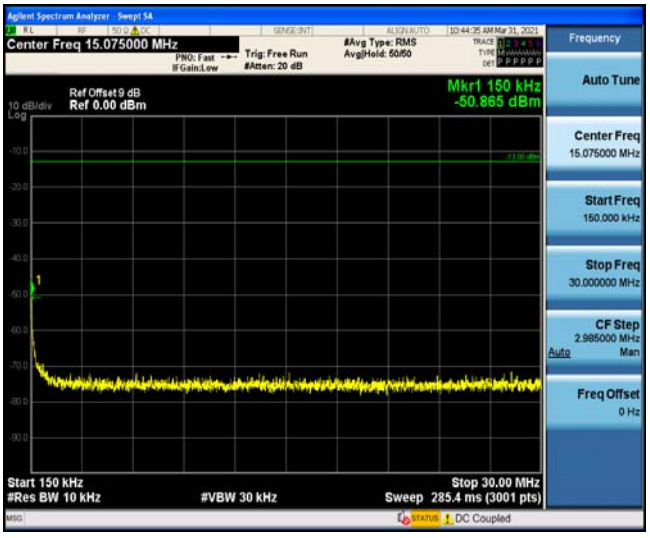

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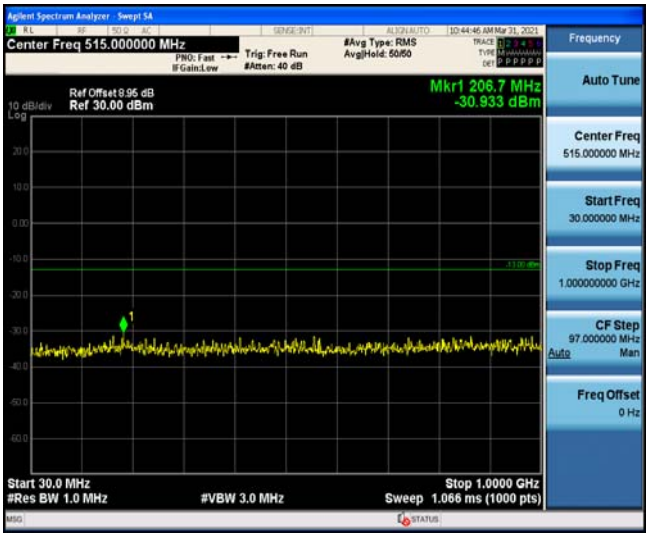

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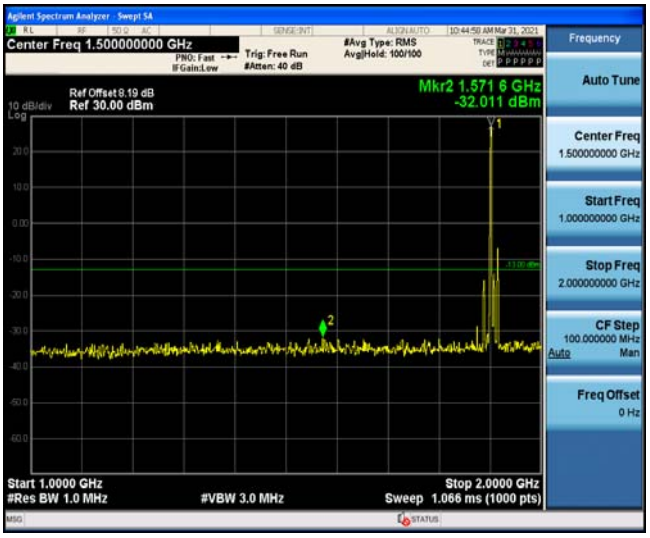

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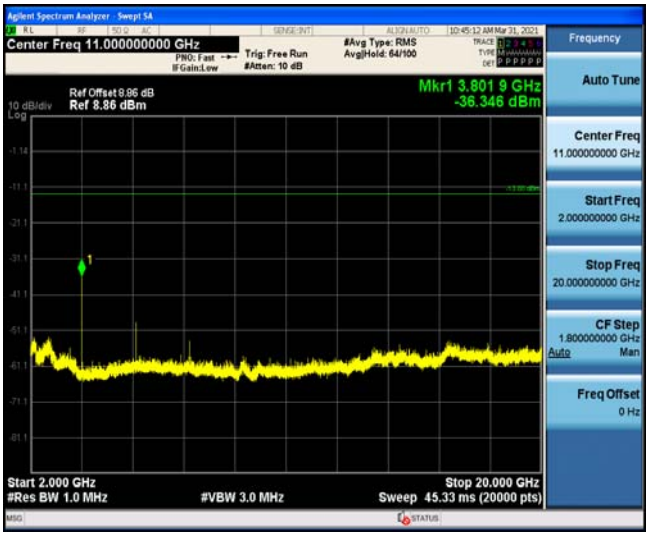

Band25_15MHz_16QAM_26115_1RB#0

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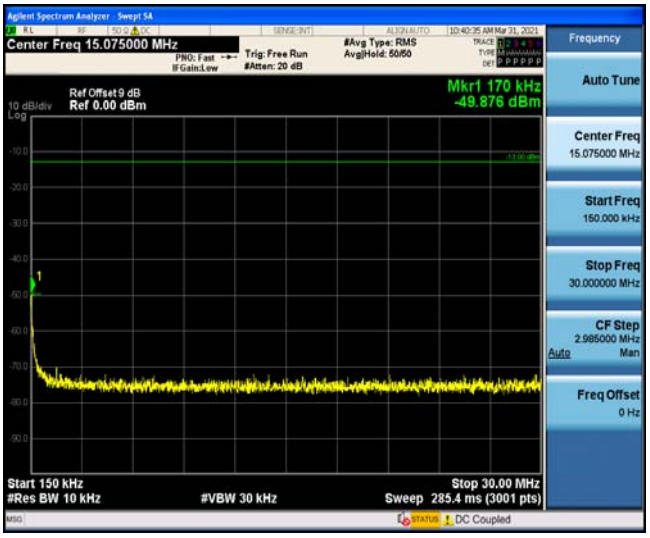

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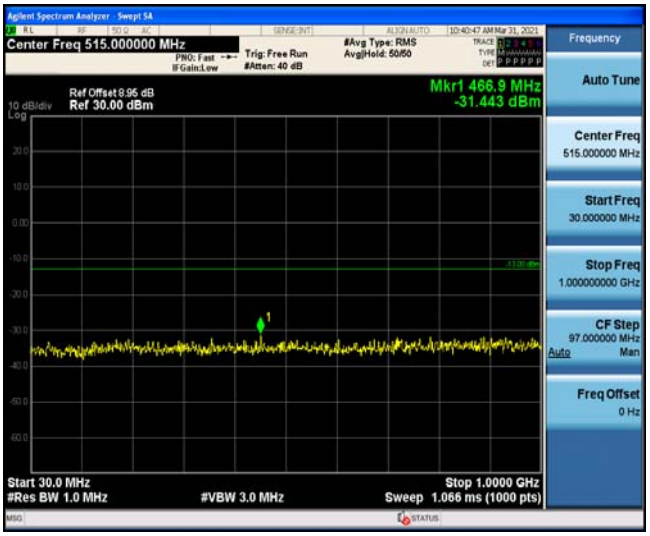

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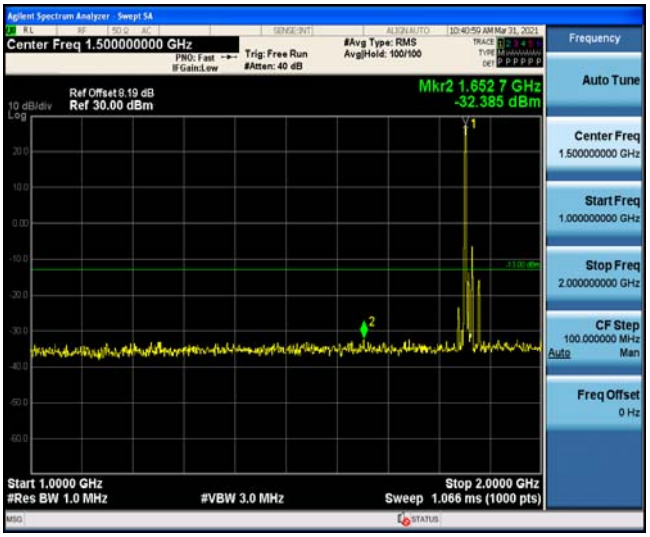

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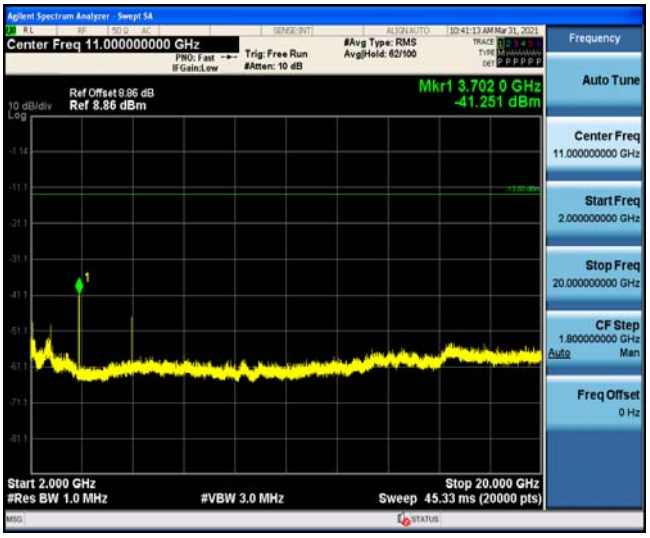

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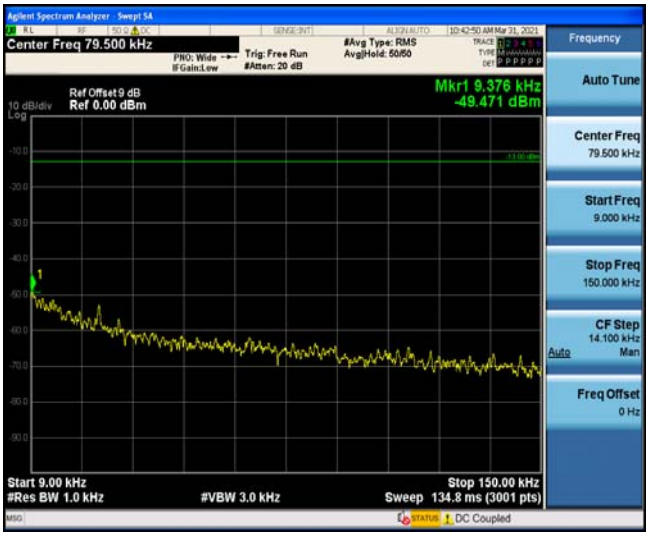

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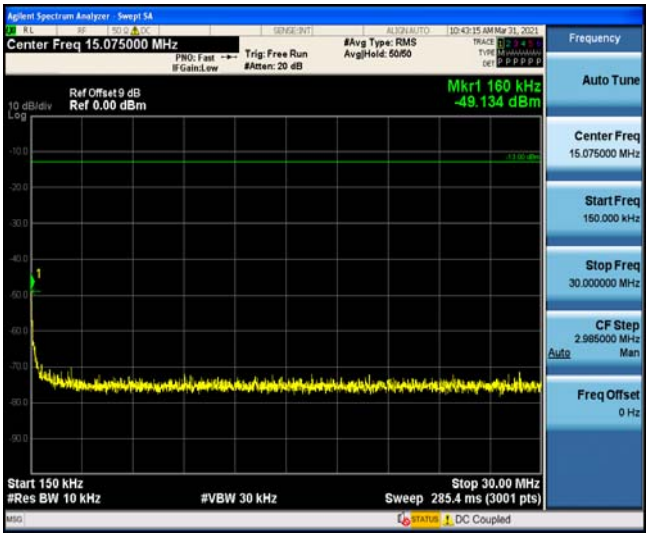

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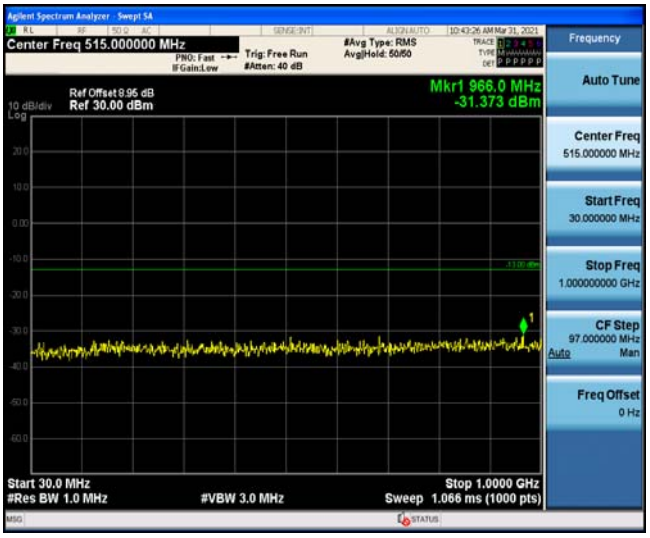

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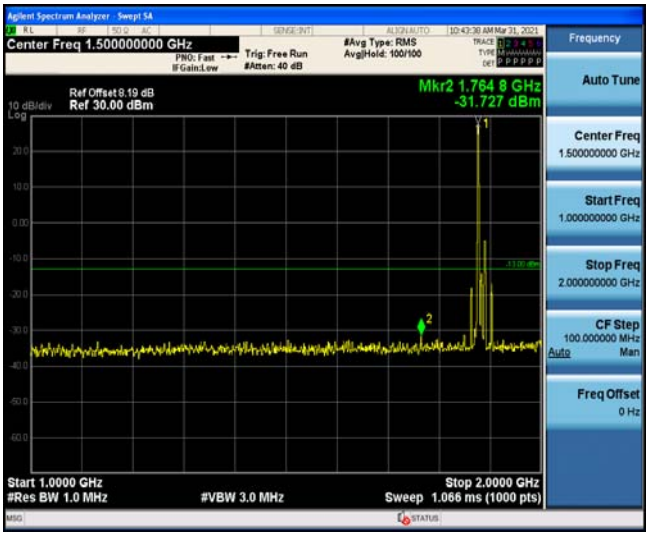

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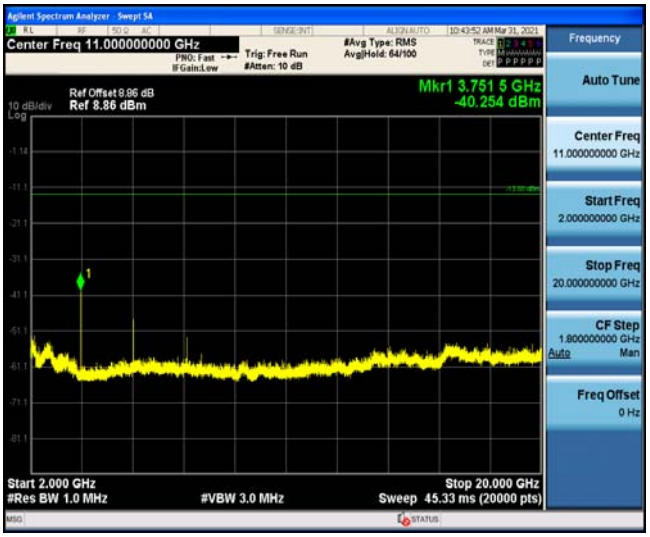
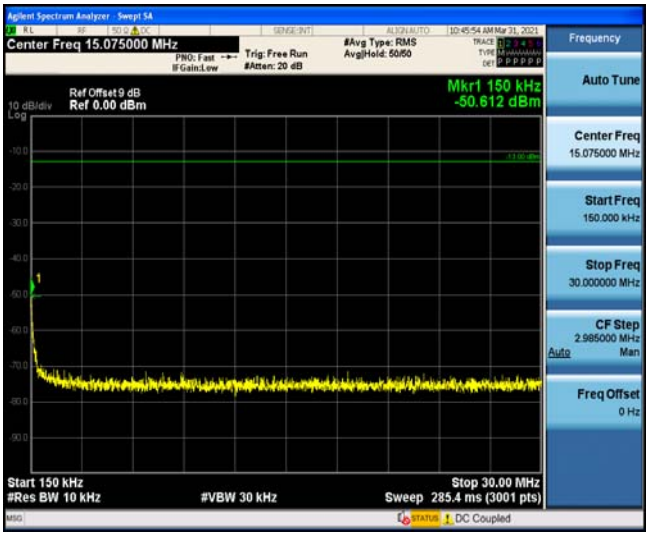


Band25_15MHz_16QAM_26615_1RB#0

Band25_15MHz_16QAM_26615_1RB#0



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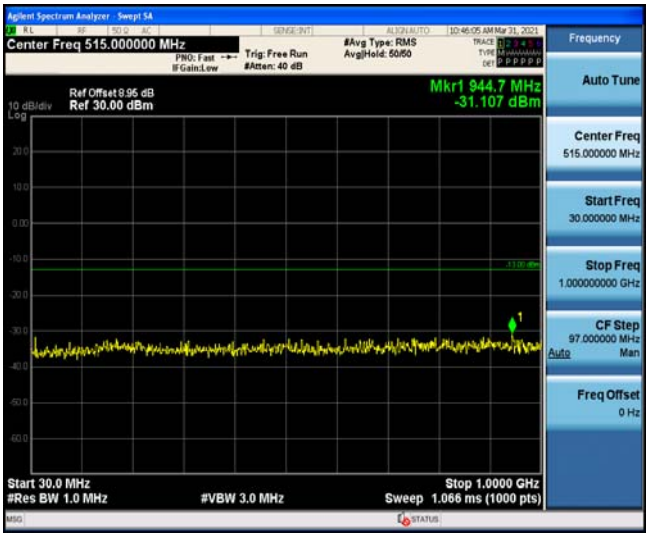

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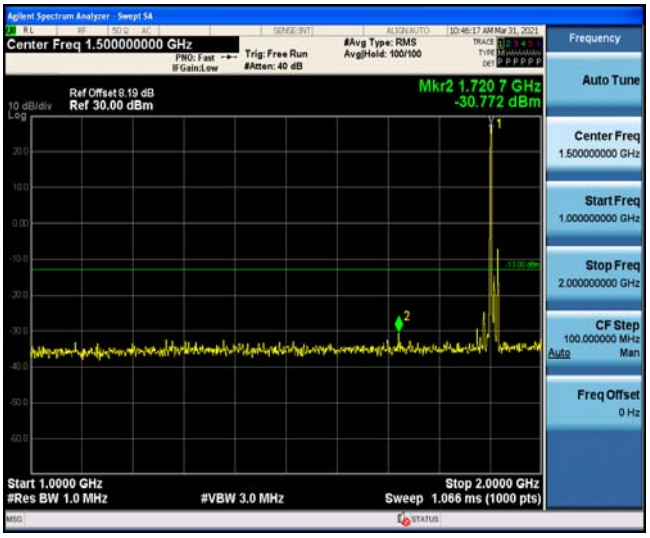

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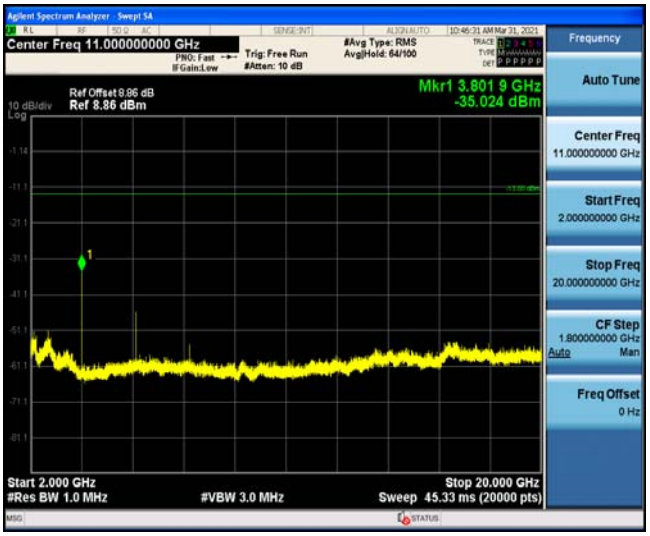

Band25_20MHz_QPSK_26140_1RB#0

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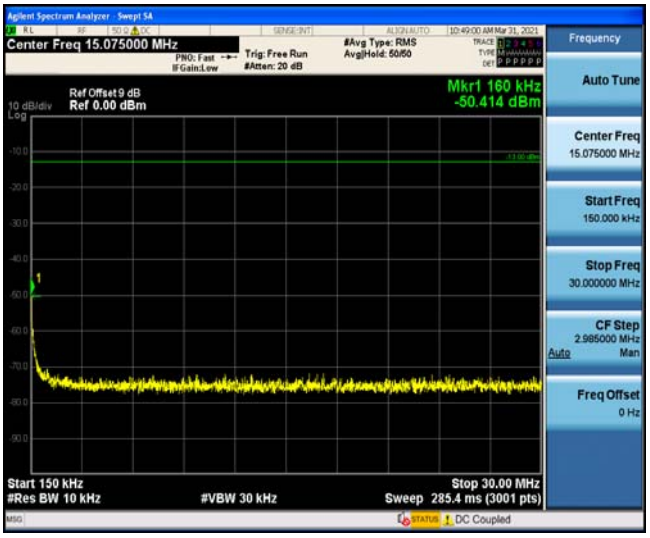

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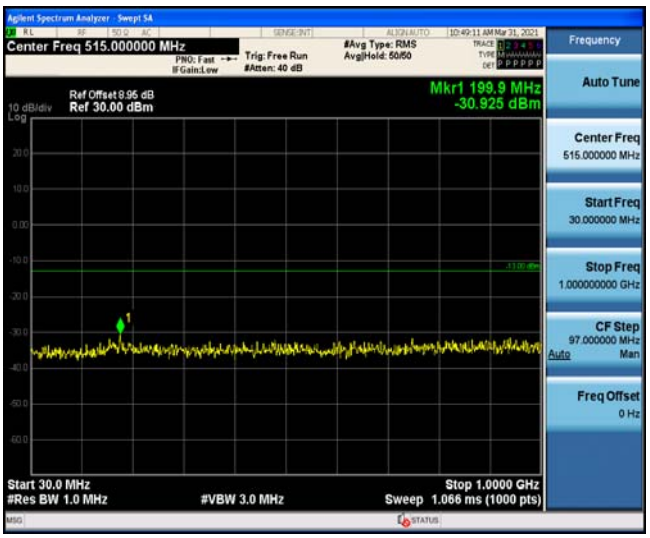

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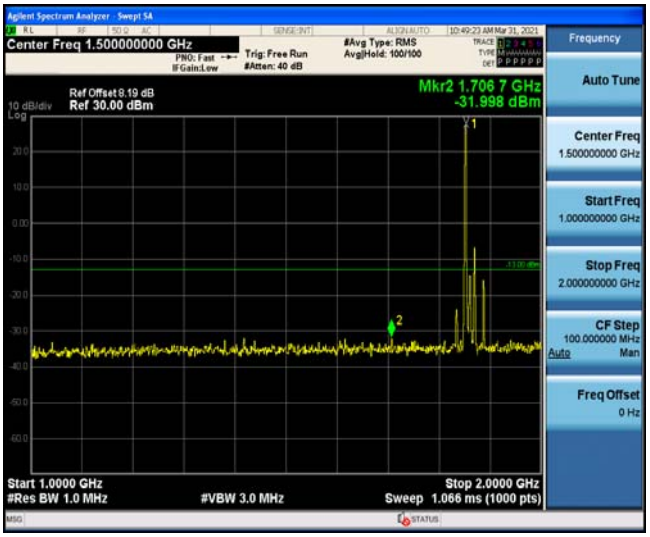

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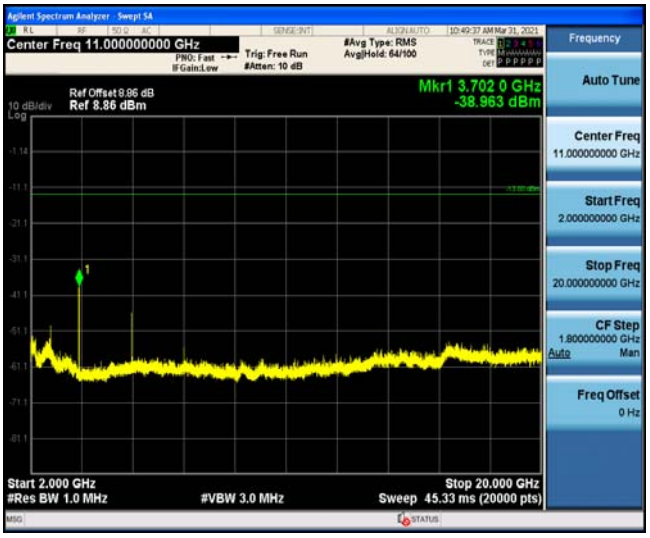

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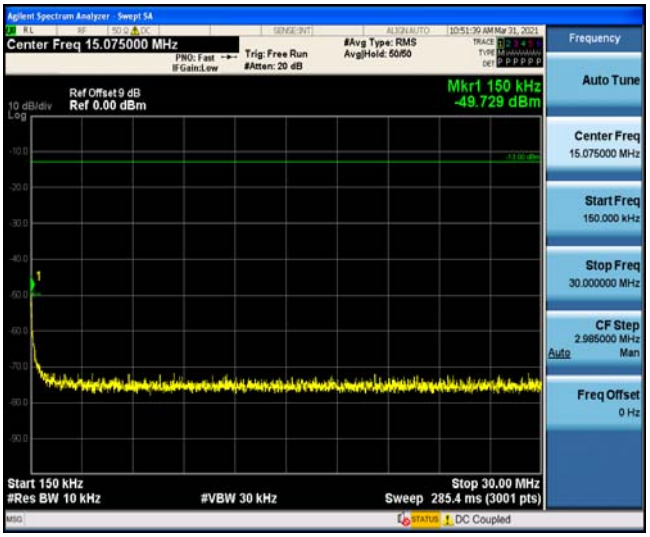

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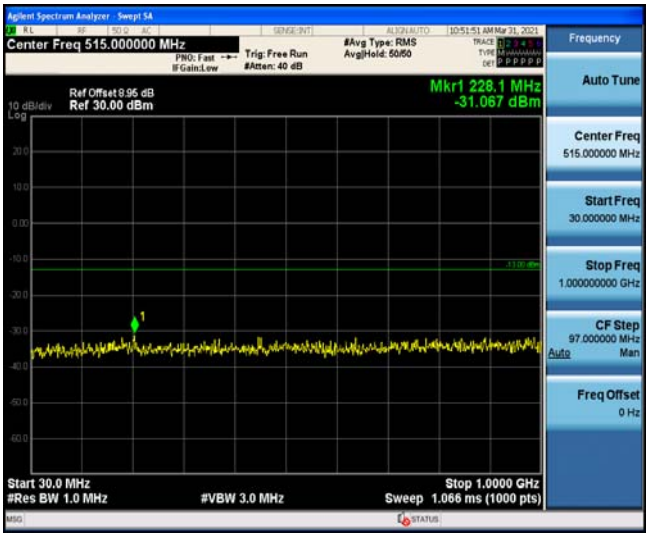

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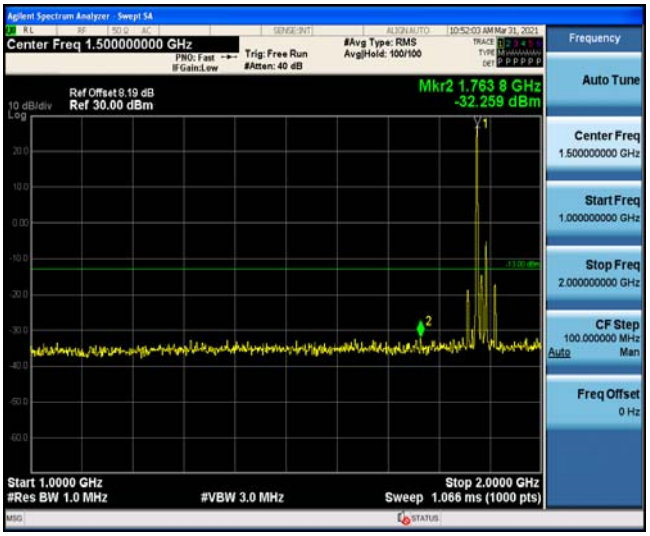

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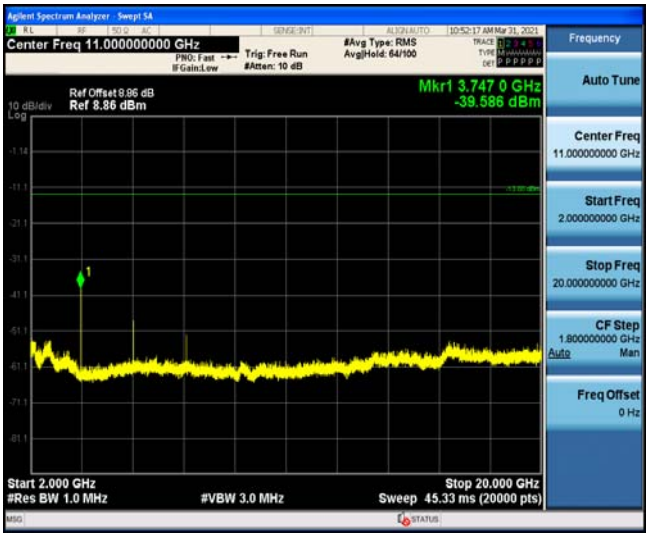

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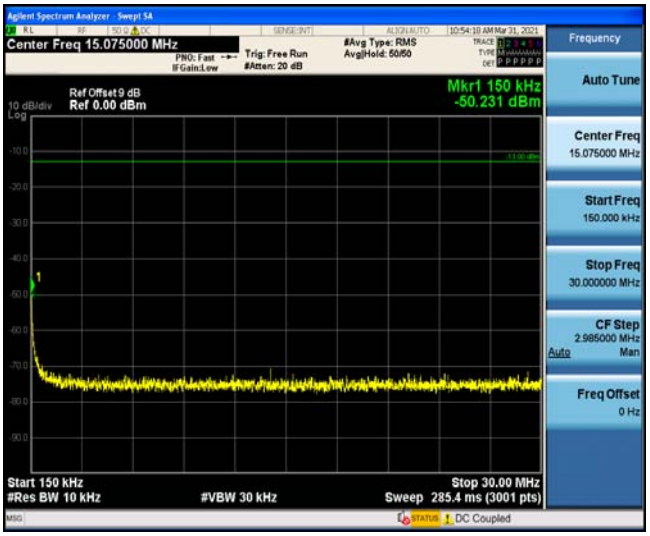

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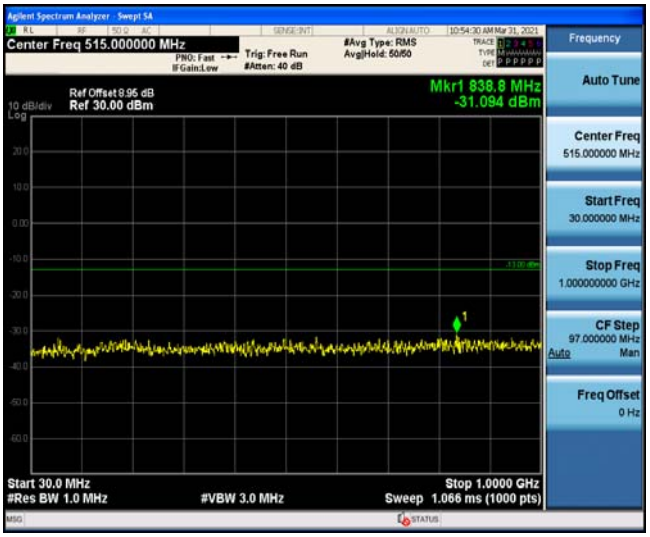

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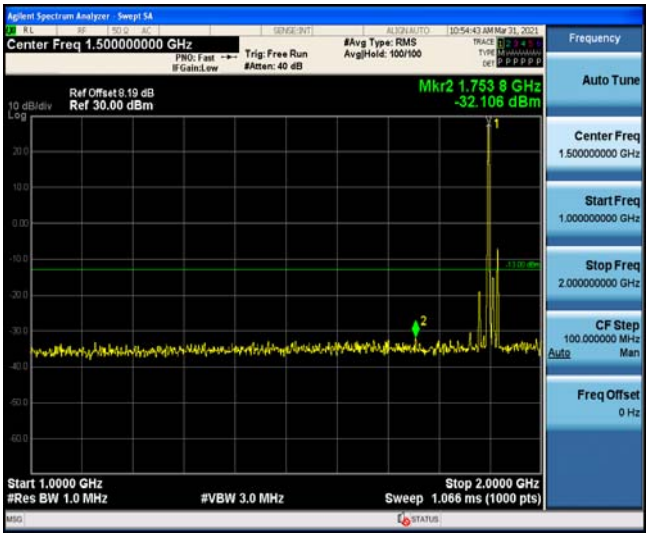

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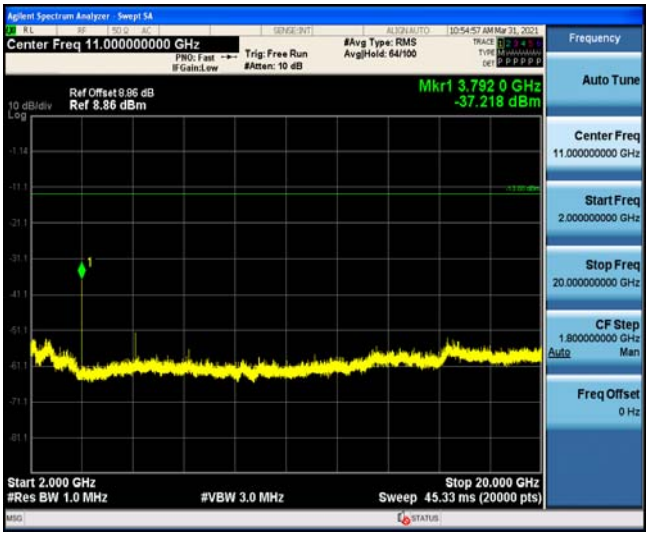

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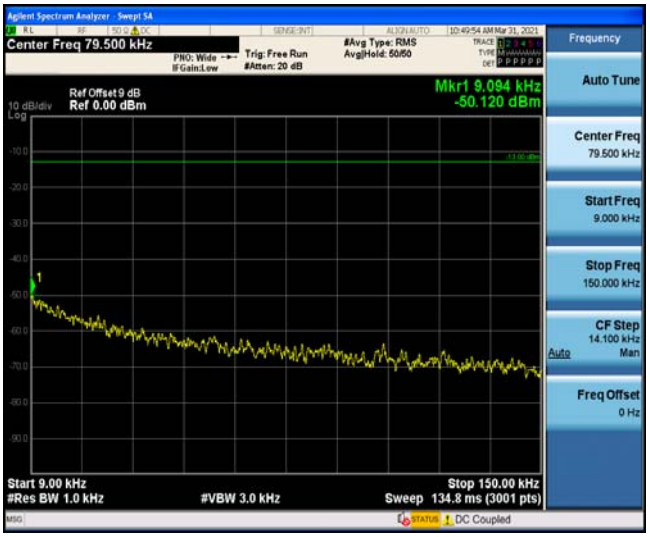

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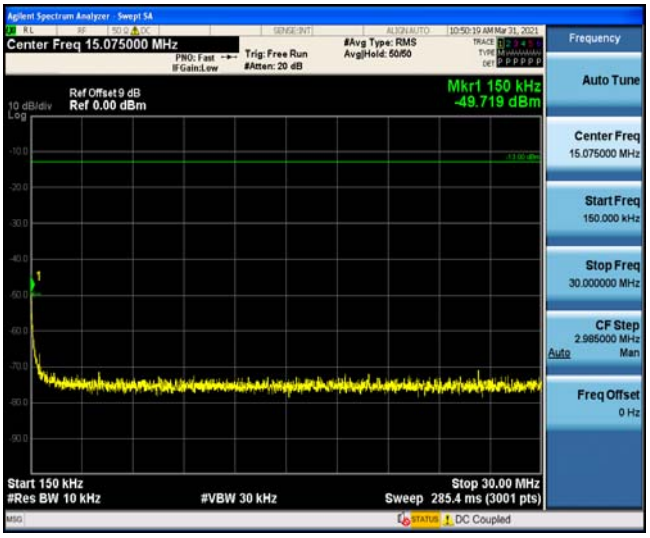

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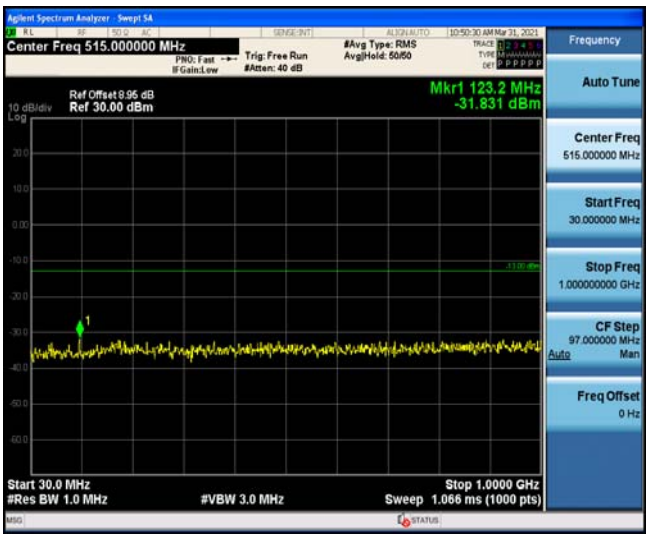

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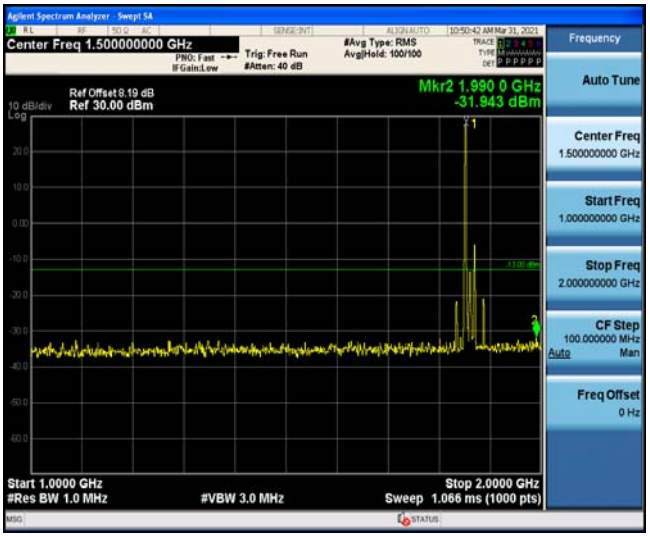

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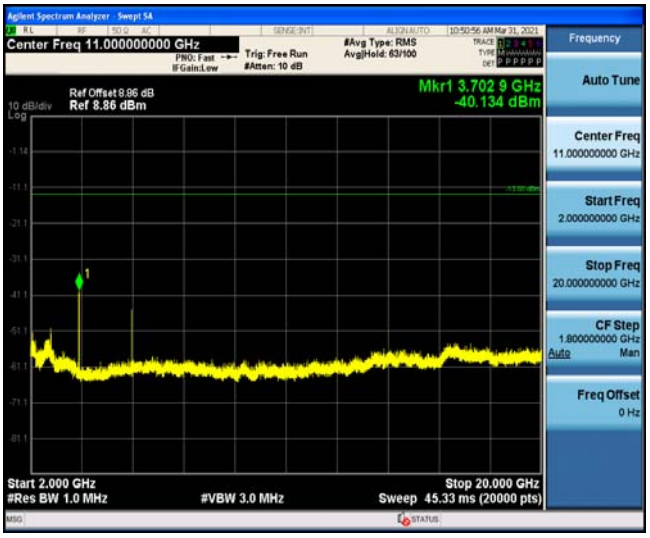

Band25_20MHz_16QAM_26365_1RB#0

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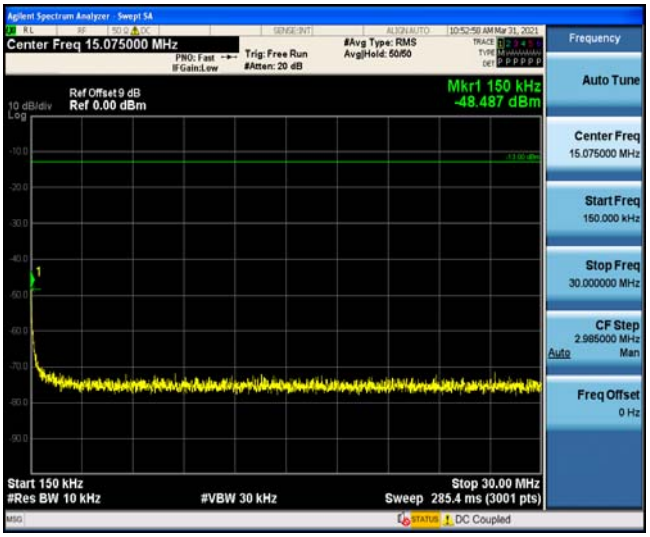

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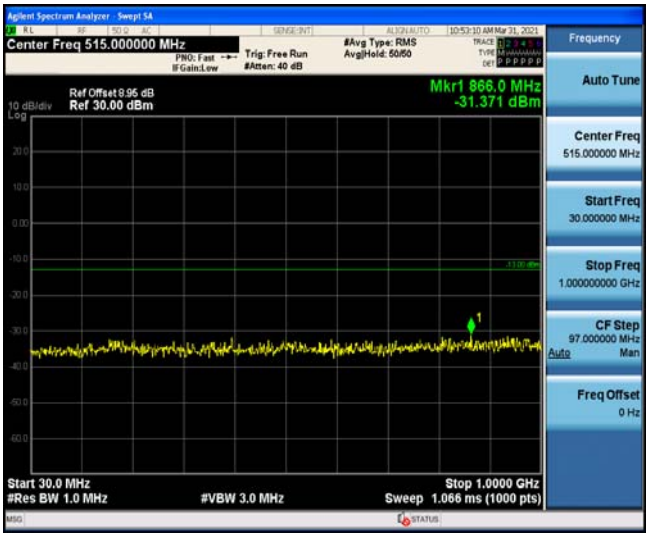

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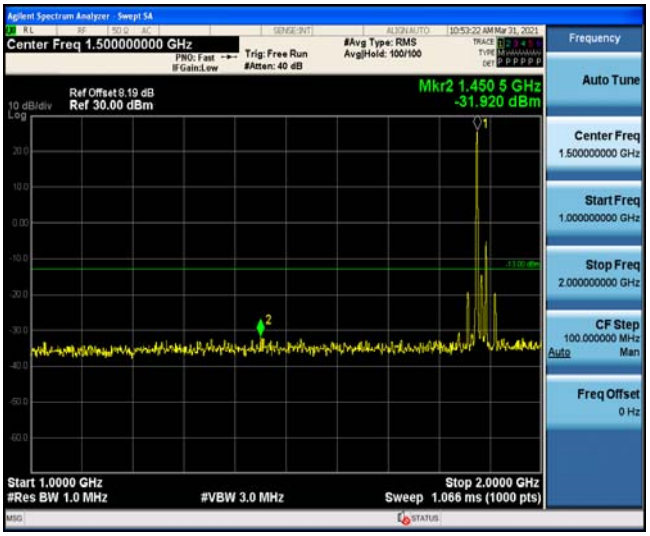
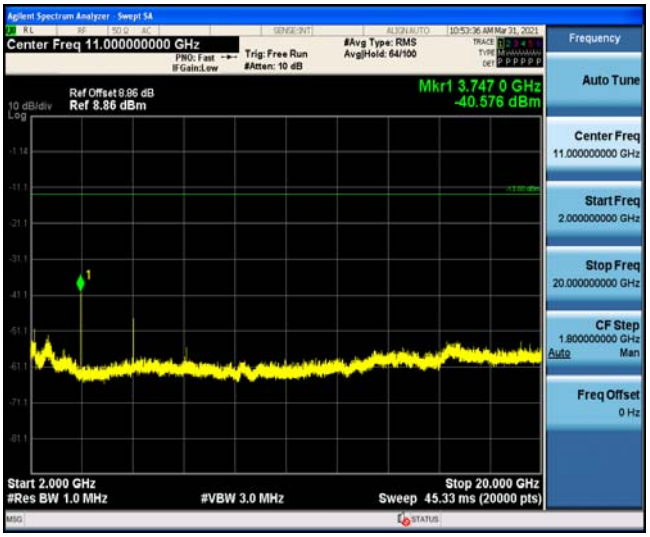
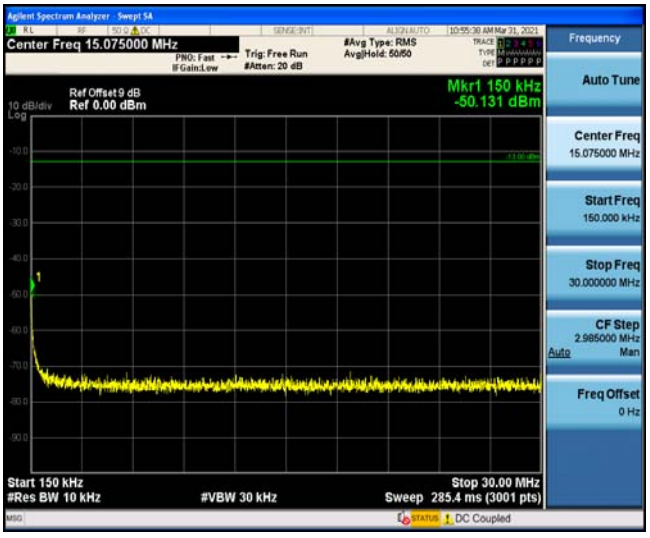


Band25_20MHz_16QAM_26365_1RB#0



Band25_20MHz_16QAM_26590_1RB#0

Band25_20MHz_16QAM_26590_1RB#0



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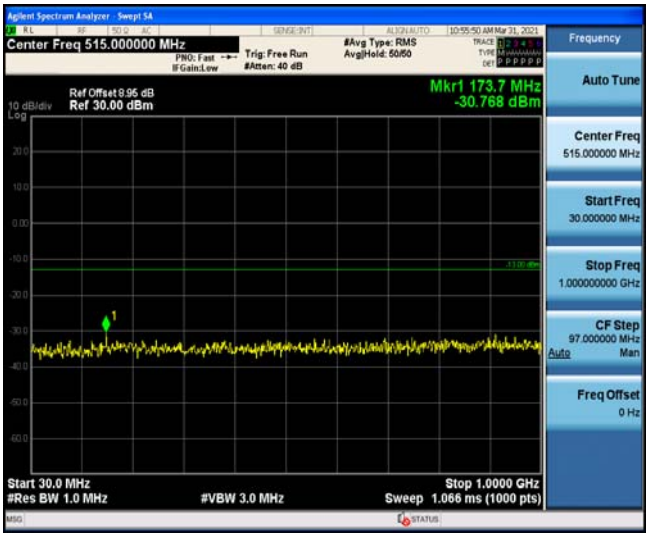

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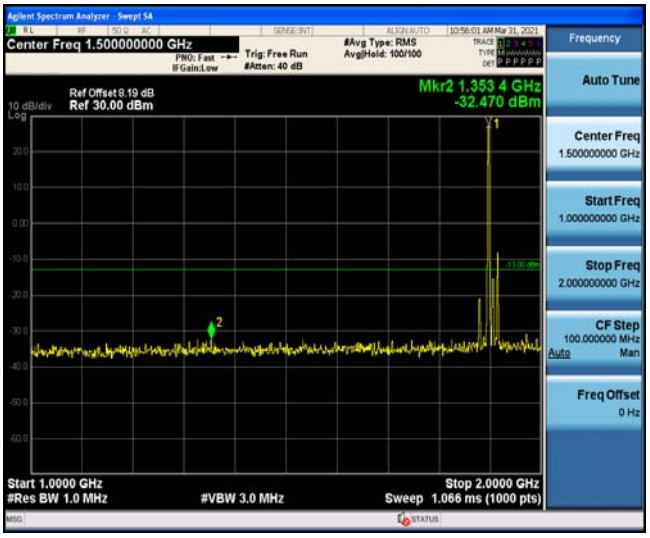

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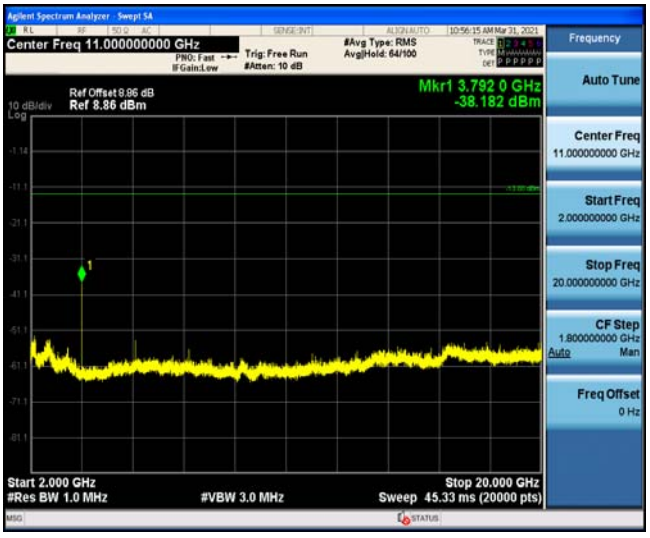

Appendix F: Frequency Stability

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	2.39	0.001291	± 2.5	PASS
		VN	TN	1.76	0.000951	± 2.5	PASS
		VH	TN	1.34	0.000724	± 2.5	PASS
	MCH	VL	TN	-1.63	-0.000866	± 2.5	PASS
		VN	TN	1.87	0.000993	± 2.5	PASS
		VH	TN	2.73	0.001450	± 2.5	PASS
	HCH	VL	TN	2.91	0.001520	± 2.5	PASS
		VN	TN	2.57	0.001343	± 2.5	PASS
		VH	TN	0.81	0.000423	± 2.5	PASS
16QAM	LCH	VL	TN	4.87	0.002631	± 2.5	PASS
		VN	TN	4.21	0.002275	± 2.5	PASS
		VH	TN	-0.86	-0.000465	± 2.5	PASS
	MCH	VL	TN	-0.75	-0.000398	± 2.5	PASS
		VN	TN	1.89	0.001004	± 2.5	PASS
		VH	TN	0.67	0.000356	± 2.5	PASS
	HCH	VL	TN	-1.82	-0.000953	± 2.5	PASS
		VN	TN	4.66	0.002441	± 2.5	PASS
		VH	TN	-0.27	-0.000141	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.22	0.000119	± 2.5	PASS
		VN	-20	3.39	0.001832	± 2.5	PASS
		VN	-10	-0.83	-0.000448	± 2.5	PASS
		VN	0	3.39	0.001832	± 2.5	PASS
		VN	10	1.18	0.000638	± 2.5	PASS
		VN	20	-1.04	-0.000562	± 2.5	PASS
		VN	30	4.88	0.002637	± 2.5	PASS
		VN	40	1.3	0.000702	± 2.5	PASS
		VN	50	1.01	0.000546	± 2.5	PASS
	MCH	VN	-30	-0.65	-0.000345	± 2.5	PASS

		VN	-20	0.93	0.000494	± 2.5	PASS
		VN	-10	1.89	0.001004	± 2.5	PASS
		VN	0	-0.67	-0.000356	± 2.5	PASS
		VN	10	-0.06	-0.000032	± 2.5	PASS
		VN	20	-0.33	-0.000175	± 2.5	PASS
		VN	30	0.86	0.000457	± 2.5	PASS
		VN	40	0.38	0.000202	± 2.5	PASS
		VN	50	0.56	0.000297	± 2.5	PASS
	HCH	VN	-30	4.41	0.002304	± 2.5	PASS
		VN	-20	0.13	0.000068	± 2.5	PASS
		VN	-10	3.86	0.002016	± 2.5	PASS
		VN	0	2.99	0.001562	± 2.5	PASS
		VN	10	-0.54	-0.000282	± 2.5	PASS
		VN	20	2.91	0.001520	± 2.5	PASS
		VN	30	3.7	0.001933	± 2.5	PASS
		VN	40	1.85	0.000966	± 2.5	PASS
		VN	50	4.51	0.002356	± 2.5	PASS
16QAM	LCH	VN	-30	2.05	0.001108	± 2.5	PASS
		VN	-20	3.69	0.001994	± 2.5	PASS
		VN	-10	1.97	0.001064	± 2.5	PASS
		VN	0	0.31	0.000168	± 2.5	PASS
		VN	10	0.45	0.000243	± 2.5	PASS
		VN	20	-0.14	-0.000076	± 2.5	PASS
		VN	30	1.89	0.001021	± 2.5	PASS
		VN	40	3.73	0.002015	± 2.5	PASS
		VN	50	-1.22	-0.000659	± 2.5	PASS
	MCH	VN	-30	2.97	0.001578	± 2.5	PASS
		VN	-20	0.12	0.000064	± 2.5	PASS
		VN	-10	1.06	0.000563	± 2.5	PASS
		VN	0	1.01	0.000537	± 2.5	PASS
		VN	10	4.27	0.002268	± 2.5	PASS
		VN	20	1.61	0.000855	± 2.5	PASS
		VN	30	-1.43	-0.000760	± 2.5	PASS
		VN	40	3.42	0.001817	± 2.5	PASS
		VN	50	2.51	0.001333	± 2.5	PASS
	HCH	VN	-30	2	0.001045	± 2.5	PASS
		VN	-20	-0.2	-0.000104	± 2.5	PASS
		VN	-10	1.12	0.000585	± 2.5	PASS
		VN	0	2.93	0.001531	± 2.5	PASS
		VN	10	-0.4	-0.000209	± 2.5	PASS
		VN	20	1.35	0.000705	± 2.5	PASS

		VN	30	-1.35	-0.000705	± 2.5	PASS
		VN	40	4.5	0.002351	± 2.5	PASS
		VN	50	0.37	0.000193	± 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	4.57	0.002468	± 2.5	PASS
		VN	TN	3.86	0.002085	± 2.5	PASS
		VH	TN	4.08	0.002204	± 2.5	PASS
	MCH	VL	TN	-0.92	-0.000489	± 2.5	PASS
		VN	TN	4.44	0.002359	± 2.5	PASS
		VH	TN	2.65	0.001408	± 2.5	PASS
	HCH	VL	TN	-1.46	-0.000763	± 2.5	PASS
		VN	TN	2.4	0.001254	± 2.5	PASS
		VH	TN	2.01	0.001050	± 2.5	PASS
16QAM	LCH	VL	TN	-1.86	-0.001005	± 2.5	PASS
		VN	TN	4.87	0.002630	± 2.5	PASS
		VH	TN	0.76	0.000410	± 2.5	PASS
	MCH	VL	TN	2.89	0.001535	± 2.5	PASS
		VN	TN	3.59	0.001907	± 2.5	PASS
		VH	TN	4.53	0.002406	± 2.5	PASS
	HCH	VL	TN	2.4	0.001254	± 2.5	PASS
		VN	TN	4.27	0.002232	± 2.5	PASS
		VH	TN	1.09	0.000570	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.22	-0.000119	± 2.5	PASS
		VN	-20	2.85	0.001539	± 2.5	PASS
		VN	-10	-0.92	-0.000497	± 2.5	PASS
		VN	0	-1.23	-0.000664	± 2.5	PASS
		VN	10	3.76	0.002031	± 2.5	PASS
		VN	20	0.13	0.000070	± 2.5	PASS
		VN	30	4.83	0.002609	± 2.5	PASS
		VN	40	3.9	0.002106	± 2.5	PASS
		VN	50	0.67	0.000362	± 2.5	PASS
	MCH	VN	-30	2.01	0.001068	± 2.5	PASS
		VN	-20	-1.78	-0.000946	± 2.5	PASS

		VN	-10	3.95	0.002098	± 2.5	PASS
		VN	0	-0.5	-0.000266	± 2.5	PASS
		VN	10	4.29	0.002279	± 2.5	PASS
		VN	20	1.62	0.000861	± 2.5	PASS
		VN	30	0.51	0.000271	± 2.5	PASS
		VN	40	-1.75	-0.000930	± 2.5	PASS
		VN	50	2	0.001062	± 2.5	PASS
	HCH	VN	-30	4.52	0.002362	± 2.5	PASS
		VN	-20	4.34	0.002268	± 2.5	PASS
		VN	-10	-0.62	-0.000324	± 2.5	PASS
		VN	0	1.73	0.000904	± 2.5	PASS
		VN	10	-0.39	-0.000204	± 2.5	PASS
		VN	20	1.59	0.000831	± 2.5	PASS
		VN	30	2.87	0.001500	± 2.5	PASS
		VN	40	1.6	0.000836	± 2.5	PASS
		VN	50	3.45	0.001803	± 2.5	PASS
16QAM	LCH	VN	-30	3.9	0.002106	± 2.5	PASS
		VN	-20	1.27	0.000686	± 2.5	PASS
		VN	-10	2.22	0.001199	± 2.5	PASS
		VN	0	0.66	0.000356	± 2.5	PASS
		VN	10	2.27	0.001226	± 2.5	PASS
		VN	20	0.07	0.000038	± 2.5	PASS
		VN	30	1.06	0.000573	± 2.5	PASS
		VN	40	1.04	0.000562	± 2.5	PASS
		VN	50	1.65	0.000891	± 2.5	PASS
	MCH	VN	-30	-1.68	-0.000892	± 2.5	PASS
		VN	-20	2.25	0.001195	± 2.5	PASS
		VN	-10	-0.17	-0.000090	± 2.5	PASS
		VN	0	1.48	0.000786	± 2.5	PASS
		VN	10	-1.02	-0.000542	± 2.5	PASS
		VN	20	4.61	0.002449	± 2.5	PASS
		VN	30	-0.27	-0.000143	± 2.5	PASS
		VN	40	-1.69	-0.000898	± 2.5	PASS
		VN	50	1.22	0.000648	± 2.5	PASS
	HCH	VN	-30	1.3	0.000679	± 2.5	PASS
		VN	-20	4.93	0.002576	± 2.5	PASS
		VN	-10	1.65	0.000862	± 2.5	PASS
		VN	0	2.43	0.001270	± 2.5	PASS
		VN	10	3.66	0.001913	± 2.5	PASS
		VN	20	3.18	0.001662	± 2.5	PASS
		VN	30	1.3	0.000679	± 2.5	PASS

		VN	40	-1.01	-0.000528	± 2.5	PASS
		VN	50	0.57	0.000298	± 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	-0.59	-0.000318	± 2.5	PASS
		VN	TN	-0.9	-0.000486	± 2.5	PASS
		VH	TN	1.32	0.000713	± 2.5	PASS
	MCH	VL	TN	2.01	0.001068	± 2.5	PASS
		VN	TN	-0.96	-0.000510	± 2.5	PASS
		VH	TN	1.75	0.000930	± 2.5	PASS
	HCH	VL	TN	0.21	0.000110	± 2.5	PASS
		VN	TN	4.39	0.002295	± 2.5	PASS
		VH	TN	4.18	0.002186	± 2.5	PASS
16QAM	LCH	VL	TN	2.67	0.001441	± 2.5	PASS
		VN	TN	1.95	0.001053	± 2.5	PASS
		VH	TN	3.65	0.001970	± 2.5	PASS
	MCH	VL	TN	-1.54	-0.000818	± 2.5	PASS
		VN	TN	3.17	0.001684	± 2.5	PASS
		VH	TN	4.98	0.002645	± 2.5	PASS
	HCH	VL	TN	4.22	0.002207	± 2.5	PASS
		VN	TN	-1.43	-0.000748	± 2.5	PASS
		VH	TN	2.12	0.001108	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.84	0.002073	± 2.5	PASS
		VN	-20	4.71	0.002543	± 2.5	PASS
		VN	-10	2.45	0.001323	± 2.5	PASS
		VN	0	3.17	0.001711	± 2.5	PASS
		VN	10	-0.91	-0.000491	± 2.5	PASS
		VN	20	2.07	0.001117	± 2.5	PASS
		VN	30	1.93	0.001042	± 2.5	PASS
		VN	40	1.88	0.001015	± 2.5	PASS
		VN	50	2.77	0.001495	± 2.5	PASS
	MCH	VN	-30	0.55	0.000292	± 2.5	PASS
		VN	-20	3.03	0.001610	± 2.5	PASS
		VN	-10	4.86	0.002582	± 2.5	PASS

		VN	0	2.77	0.001471	± 2.5	PASS
		VN	10	-0.46	-0.000244	± 2.5	PASS
		VN	20	0.18	0.000096	± 2.5	PASS
		VN	30	0.21	0.000112	± 2.5	PASS
		VN	40	0.9	0.000478	± 2.5	PASS
		VN	50	0.29	0.000154	± 2.5	PASS
	HCH	VN	-30	3.12	0.001631	± 2.5	PASS
		VN	-20	1.64	0.000858	± 2.5	PASS
		VN	-10	2.17	0.001135	± 2.5	PASS
		VN	0	0.18	0.000094	± 2.5	PASS
		VN	10	2.86	0.001495	± 2.5	PASS
		VN	20	3.49	0.001825	± 2.5	PASS
		VN	30	2.58	0.001349	± 2.5	PASS
		VN	40	-0.63	-0.000329	± 2.5	PASS
		VN	50	4.19	0.002191	± 2.5	PASS
16QAM	LCH	VN	-30	1.71	0.000923	± 2.5	PASS
		VN	-20	-1.64	-0.000885	± 2.5	PASS
		VN	-10	4.39	0.002370	± 2.5	PASS
		VN	0	-1.13	-0.000610	± 2.5	PASS
		VN	10	0.58	0.000313	± 2.5	PASS
		VN	20	1.35	0.000729	± 2.5	PASS
		VN	30	-0.45	-0.000243	± 2.5	PASS
		VN	40	4.24	0.002289	± 2.5	PASS
		VN	50	-0.45	-0.000243	± 2.5	PASS
	MCH	VN	-30	2.97	0.001578	± 2.5	PASS
		VN	-20	3.24	0.001721	± 2.5	PASS
		VN	-10	3.54	0.001880	± 2.5	PASS
		VN	0	0.82	0.000436	± 2.5	PASS
		VN	10	-1.38	-0.000733	± 2.5	PASS
		VN	20	4.09	0.002173	± 2.5	PASS
		VN	30	1.46	0.000776	± 2.5	PASS
		VN	40	0.13	0.000069	± 2.5	PASS
		VN	50	4.75	0.002523	± 2.5	PASS
	HCH	VN	-30	-0.26	-0.000136	± 2.5	PASS
		VN	-20	2.16	0.001129	± 2.5	PASS
		VN	-10	0.84	0.000439	± 2.5	PASS
		VN	0	3.79	0.001982	± 2.5	PASS
		VN	10	1.89	0.000988	± 2.5	PASS
		VN	20	0.22	0.000115	± 2.5	PASS
		VN	30	2.72	0.001422	± 2.5	PASS
		VN	40	4.77	0.002494	± 2.5	PASS

		VN	50	-0.91	-0.000476	± 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	4.12	0.002221	± 2.5	PASS
		VN	TN	0.99	0.000534	± 2.5	PASS
		VH	TN	0.8	0.000431	± 2.5	PASS
	MCH	VL	TN	-1.02	-0.000542	± 2.5	PASS
		VN	TN	4.39	0.002332	± 2.5	PASS
		VH	TN	2.18	0.001158	± 2.5	PASS
	HCH	VL	TN	-1.67	-0.000874	± 2.5	PASS
		VN	TN	-1.29	-0.000675	± 2.5	PASS
		VH	TN	4.75	0.002487	± 2.5	PASS
16QAM	LCH	VL	TN	1.42	0.000765	± 2.5	PASS
		VN	TN	3.34	0.001801	± 2.5	PASS
		VH	TN	-1.78	-0.000960	± 2.5	PASS
	MCH	VL	TN	3.12	0.001657	± 2.5	PASS
		VN	TN	2.42	0.001286	± 2.5	PASS
		VH	TN	-0.06	-0.000032	± 2.5	PASS
	HCH	VL	TN	0.6	0.000314	± 2.5	PASS
		VN	TN	2.66	0.001393	± 2.5	PASS
		VH	TN	-0.82	-0.000429	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.61	0.000329	± 2.5	PASS
		VN	-20	3.27	0.001763	± 2.5	PASS
		VN	-10	1.33	0.000717	± 2.5	PASS
		VN	0	1.9	0.001024	± 2.5	PASS
		VN	10	4.44	0.002394	± 2.5	PASS
		VN	20	1.35	0.000728	± 2.5	PASS
		VN	30	3.45	0.001860	± 2.5	PASS
		VN	40	-0.38	-0.000205	± 2.5	PASS
		VN	50	1.12	0.000604	± 2.5	PASS
	MCH	VN	-30	-1.03	-0.000547	± 2.5	PASS
		VN	-20	0.38	0.000202	± 2.5	PASS
		VN	-10	0.31	0.000165	± 2.5	PASS
		VN	0	1.33	0.000707	± 2.5	PASS

		VN	10	3.27	0.001737	± 2.5	PASS
		VN	20	1.95	0.001036	± 2.5	PASS
		VN	30	4.69	0.002491	± 2.5	PASS
		VN	40	3.84	0.002040	± 2.5	PASS
		VN	50	2.89	0.001535	± 2.5	PASS
	HCH	VN	-30	0.84	0.000440	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	3.49	0.001827	± 2.5	PASS
		VN	0	1.84	0.000963	± 2.5	PASS
		VN	10	1.07	0.000560	± 2.5	PASS
		VN	20	-0.7	-0.000366	± 2.5	PASS
		VN	30	1.45	0.000759	± 2.5	PASS
		VN	40	4.98	0.002607	± 2.5	PASS
		VN	50	4.66	0.002440	± 2.5	PASS
16QAM	LCH	VN	-30	3.72	0.002005	± 2.5	PASS
		VN	-20	4.76	0.002566	± 2.5	PASS
		VN	-10	4.42	0.002383	± 2.5	PASS
		VN	0	2.7	0.001456	± 2.5	PASS
		VN	10	4.63	0.002496	± 2.5	PASS
		VN	20	-0.04	-0.000022	± 2.5	PASS
		VN	30	3.8	0.002049	± 2.5	PASS
		VN	40	1.34	0.000722	± 2.5	PASS
		VN	50	-0.31	-0.000167	± 2.5	PASS
	MCH	VN	-30	3.98	0.002114	± 2.5	PASS
		VN	-20	3.41	0.001811	± 2.5	PASS
		VN	-10	3.2	0.001700	± 2.5	PASS
		VN	0	-0.83	-0.000441	± 2.5	PASS
		VN	10	-0.2	-0.000106	± 2.5	PASS
		VN	20	-0.39	-0.000207	± 2.5	PASS
		VN	30	4.84	0.002571	± 2.5	PASS
		VN	40	2.22	0.001179	± 2.5	PASS
		VN	50	1.05	0.000558	± 2.5	PASS
	HCH	VN	-30	1.31	0.000686	± 2.5	PASS
		VN	-20	1.02	0.000534	± 2.5	PASS
		VN	-10	0.81	0.000424	± 2.5	PASS
		VN	0	0.46	0.000241	± 2.5	PASS
		VN	10	0.55	0.000288	± 2.5	PASS
		VN	20	3.4	0.001780	± 2.5	PASS
		VN	30	-1.81	-0.000948	± 2.5	PASS
		VN	40	4.8	0.002513	± 2.5	PASS
		VN	50	0.36	0.000188	± 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	2.71	0.001459	± 2.5	PASS
		VN	TN	3.76	0.002024	± 2.5	PASS
		VH	TN	2.33	0.001254	± 2.5	PASS
	MCH	VL	TN	3.1	0.001647	± 2.5	PASS
		VN	TN	0.66	0.000351	± 2.5	PASS
		VH	TN	-1	-0.000531	± 2.5	PASS
	HCH	VL	TN	-1.97	-0.001033	± 2.5	PASS
		VN	TN	-1.95	-0.001022	± 2.5	PASS
		VH	TN	4.13	0.002165	± 2.5	PASS
16QAM	LCH	VL	TN	3.36	0.001809	± 2.5	PASS
		VN	TN	0.18	0.000097	± 2.5	PASS
		VH	TN	3.78	0.002035	± 2.5	PASS
	MCH	VL	TN	-1.73	-0.000919	± 2.5	PASS
		VN	TN	3.77	0.002003	± 2.5	PASS
		VH	TN	-0.74	-0.000393	± 2.5	PASS
	HCH	VL	TN	0.58	0.000304	± 2.5	PASS
		VN	TN	4.57	0.002396	± 2.5	PASS
		VH	TN	3.82	0.002003	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.75	-0.000404	± 2.5	PASS
		VN	-20	-1.63	-0.000878	± 2.5	PASS
		VN	-10	-0.09	-0.000048	± 2.5	PASS
		VN	0	3.48	0.001873	± 2.5	PASS
		VN	10	1.14	0.000614	± 2.5	PASS
		VN	20	-1.81	-0.000974	± 2.5	PASS
		VN	30	0.99	0.000533	± 2.5	PASS
		VN	40	1.81	0.000974	± 2.5	PASS
		VN	50	3.24	0.001744	± 2.5	PASS
	MCH	VN	-30	1.48	0.000786	± 2.5	PASS
		VN	-20	2.36	0.001254	± 2.5	PASS
		VN	-10	4.87	0.002587	± 2.5	PASS
		VN	0	3.23	0.001716	± 2.5	PASS
		VN	10	3.63	0.001928	± 2.5	PASS

		VN	20	4.86	0.002582	± 2.5	PASS
		VN	30	4.56	0.002422	± 2.5	PASS
		VN	40	4.18	0.002220	± 2.5	PASS
		VN	50	4.18	0.002220	± 2.5	PASS
	HCH	VN	-30	-0.32	-0.000168	± 2.5	PASS
		VN	-20	4.01	0.002102	± 2.5	PASS
		VN	-10	0.33	0.000173	± 2.5	PASS
		VN	0	1.16	0.000608	± 2.5	PASS
		VN	10	-1.23	-0.000645	± 2.5	PASS
		VN	20	4.9	0.002569	± 2.5	PASS
		VN	30	-1.12	-0.000587	± 2.5	PASS
		VN	40	-0.3	-0.000157	± 2.5	PASS
		VN	50	-1.54	-0.000807	± 2.5	PASS
16QAM	LCH	VN	-30	0.37	0.000199	± 2.5	PASS
		VN	-20	3.5	0.001884	± 2.5	PASS
		VN	-10	-0.36	-0.000194	± 2.5	PASS
		VN	0	4.17	0.002245	± 2.5	PASS
		VN	10	4.22	0.002272	± 2.5	PASS
		VN	20	2.96	0.001594	± 2.5	PASS
		VN	30	-0.37	-0.000199	± 2.5	PASS
		VN	40	3.2	0.001723	± 2.5	PASS
		VN	50	2.26	0.001217	± 2.5	PASS
	MCH	VN	-30	1.28	0.000680	± 2.5	PASS
		VN	-20	4.82	0.002560	± 2.5	PASS
		VN	-10	-0.63	-0.000335	± 2.5	PASS
		VN	0	-1.27	-0.000675	± 2.5	PASS
		VN	10	4.15	0.002205	± 2.5	PASS
		VN	20	0.32	0.000170	± 2.5	PASS
		VN	30	4.33	0.002300	± 2.5	PASS
		VN	40	-0.57	-0.000303	± 2.5	PASS
		VN	50	3.89	0.002066	± 2.5	PASS
	HCH	VN	-30	4.27	0.002239	± 2.5	PASS
		VN	-20	-1	-0.000524	± 2.5	PASS
		VN	-10	1.8	0.000944	± 2.5	PASS
		VN	0	-1.95	-0.001022	± 2.5	PASS
		VN	10	4.99	0.002616	± 2.5	PASS
		VN	20	1.21	0.000634	± 2.5	PASS
		VN	30	4.96	0.002600	± 2.5	PASS
		VN	40	4.08	0.002139	± 2.5	PASS
		VN	50	0.09	0.000047	± 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	-0.97	-0.000522	± 2.5	PASS
		VN	TN	3.81	0.002048	± 2.5	PASS
		VH	TN	4.3	0.002312	± 2.5	PASS
	MCH	VL	TN	-1.21	-0.000643	± 2.5	PASS
		VN	TN	3.22	0.001710	± 2.5	PASS
		VH	TN	1.83	0.000972	± 2.5	PASS
	HCH	VL	TN	-1.49	-0.000782	± 2.5	PASS
		VN	TN	4.82	0.002530	± 2.5	PASS
		VH	TN	1.51	0.000793	± 2.5	PASS
16QAM	LCH	VL	TN	-0.16	-0.000086	± 2.5	PASS
		VN	TN	-1.83	-0.000984	± 2.5	PASS
		VH	TN	3.92	0.002108	± 2.5	PASS
	MCH	VL	TN	0.4	0.000212	± 2.5	PASS
		VN	TN	1.67	0.000887	± 2.5	PASS
		VH	TN	4.29	0.002279	± 2.5	PASS
	HCH	VL	TN	-1.31	-0.000688	± 2.5	PASS
		VN	TN	2.01	0.001055	± 2.5	PASS
		VH	TN	-1.8	-0.000945	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.83	-0.000446	± 2.5	PASS
		VN	-20	4.64	0.002495	± 2.5	PASS
		VN	-10	-0.88	-0.000473	± 2.5	PASS
		VN	0	-0.98	-0.000527	± 2.5	PASS
		VN	10	2.97	0.001597	± 2.5	PASS
		VN	20	4.33	0.002328	± 2.5	PASS
		VN	30	1.82	0.000978	± 2.5	PASS
		VN	40	1.92	0.001032	± 2.5	PASS
		VN	50	-0.75	-0.000403	± 2.5	PASS
	MCH	VN	-30	0.32	0.000170	± 2.5	PASS
		VN	-20	0.43	0.000229	± 2.5	PASS
		VN	-10	2.76	0.001468	± 2.5	PASS
		VN	0	-1.01	-0.000537	± 2.5	PASS
		VN	10	4.54	0.002415	± 2.5	PASS
		VN	20	3.06	0.001628	± 2.5	PASS

		VN	30	4.04	0.002149	± 2.5	PASS
		VN	40	4.81	0.002559	± 2.5	PASS
		VN	50	-1.53	-0.000814	± 2.5	PASS
	HCH	VN	-30	-1.89	-0.000992	± 2.5	PASS
		VN	-20	2.85	0.001496	± 2.5	PASS
		VN	-10	0.01	0.000005	± 2.5	PASS
		VN	0	-1.2	-0.000630	± 2.5	PASS
		VN	10	1.85	0.000971	± 2.5	PASS
		VN	20	1.93	0.001013	± 2.5	PASS
		VN	30	-0.25	-0.000131	± 2.5	PASS
		VN	40	0.49	0.000257	± 2.5	PASS
		VN	50	1.22	0.000640	± 2.5	PASS
16QAM	LCH	VN	-30	1.25	0.000672	± 2.5	PASS
		VN	-20	2.48	0.001333	± 2.5	PASS
		VN	-10	2.32	0.001247	± 2.5	PASS
		VN	0	2.84	0.001527	± 2.5	PASS
		VN	10	-0.3	-0.000161	± 2.5	PASS
		VN	20	-0.32	-0.000172	± 2.5	PASS
		VN	30	3.93	0.002113	± 2.5	PASS
		VN	40	2.26	0.001215	± 2.5	PASS
		VN	50	-1.92	-0.001032	± 2.5	PASS
	MCH	VN	-30	-0.79	-0.000420	± 2.5	PASS
		VN	-20	2.82	0.001498	± 2.5	PASS
		VN	-10	-1.79	-0.000951	± 2.5	PASS
		VN	0	2.08	0.001105	± 2.5	PASS
		VN	10	-1.67	-0.000887	± 2.5	PASS
		VN	20	2.38	0.001264	± 2.5	PASS
		VN	30	2.21	0.001174	± 2.5	PASS
		VN	40	1.63	0.000866	± 2.5	PASS
		VN	50	3.07	0.001631	± 2.5	PASS
	HCH	VN	-30	1.94	0.001018	± 2.5	PASS
		VN	-20	1.83	0.000961	± 2.5	PASS
		VN	-10	4.52	0.002373	± 2.5	PASS
		VN	0	3.04	0.001596	± 2.5	PASS
		VN	10	1.25	0.000656	± 2.5	PASS
		VN	20	1.29	0.000677	± 2.5	PASS
		VN	30	-1.23	-0.000646	± 2.5	PASS
		VN	40	0.85	0.000446	± 2.5	PASS
		VN	50	1.71	0.000898	± 2.5	PASS