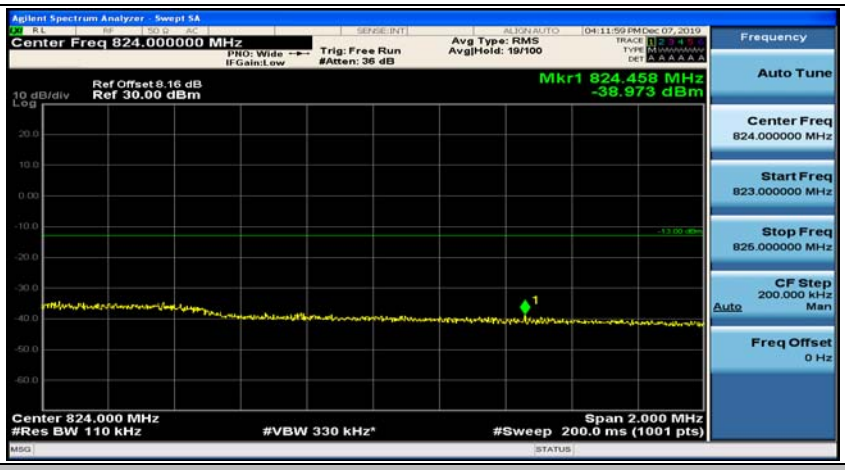
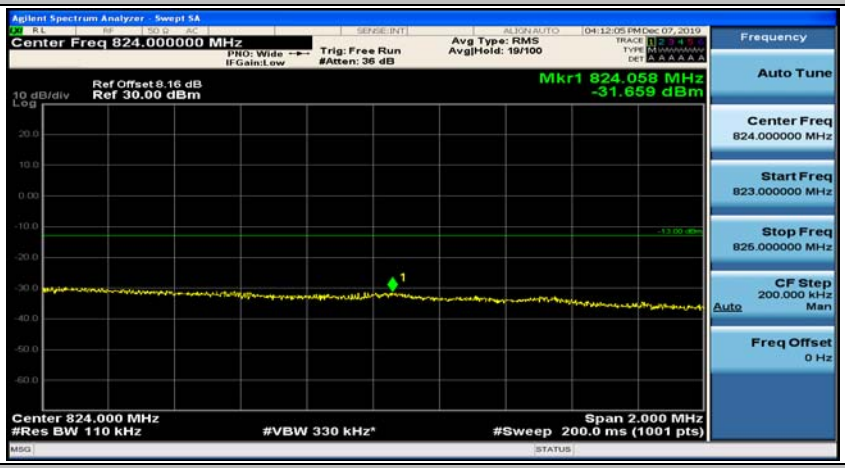


Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 824.000000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 36 dB
Avg Type: RMS
Avg|Hold: 19/100
Ref Offset 8.16 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 824.004 MHz
-26.224 dBm
Center 824.000 MHz
#Res BW 180 kHz
#VBW 560 kHz*
Span 2.000 MHz
#Sweep 200.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
824.000000 MHz
Start Freq
823.000000 MHz
Stop Freq
826.000000 MHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	Range2:0.15~30MHz	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	Range3:30~1000MHz	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	Range4:1000~5000MHz	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	Range5:5000~12000MHz	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	Range6:12000~18000MHz	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range6:12000~18000MHz	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range2:0.15~30MHz	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range3:30~1000MHz	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range4:1000~5000MHz	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range5:5000~12000MHz	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range6:12000~18000MHz	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range2:0.15~30MHz	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range3:30~1000MHz	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range4:1000~5000MHz	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range5:5000~12000MHz	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range6:12000~18000MHz	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range6:12000~18000MHz	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range2:0.15~30MHz	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range3:30~1000MHz	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range4:1000~5000MHz	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range5:5000~12000MHz	PASS

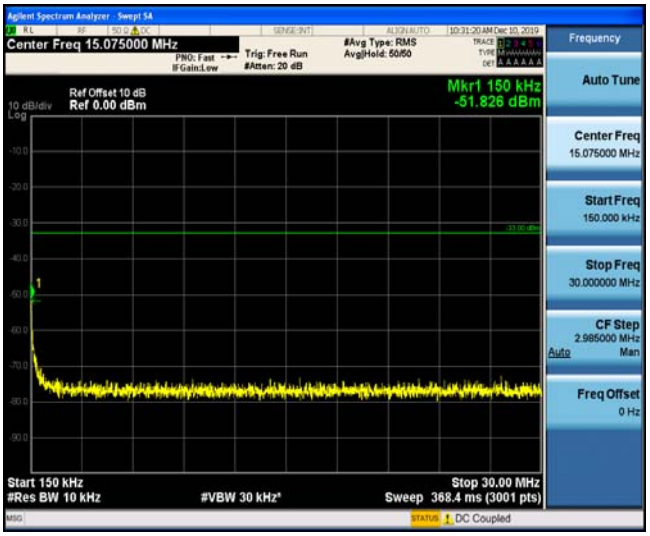
Band26	1.4MHz	16QAM	26783	1RB#0	Range6:12000~18000MHz	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range2:0.15~30MHz	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range3:30~1000MHz	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range4:1000~5000MHz	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range5:5000~12000MHz	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range6:12000~18000MHz	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range6:12000~18000MHz	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range2:0.15~30MHz	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range3:30~1000MHz	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range4:1000~5000MHz	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range5:5000~12000MHz	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range6:12000~18000MHz	PASS
Band26	3MHz	16QAM	26705	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	3MHz	16QAM	26705	1RB#0	Range2:0.15~30MHz	PASS
Band26	3MHz	16QAM	26705	1RB#0	Range3:30~1000MHz	PASS
Band26	3MHz	16QAM	26705	1RB#0	Range4:1000~5000MHz	PASS
Band26	3MHz	16QAM	26705	1RB#0	Range5:5000~12000MHz	PASS
Band26	3MHz	16QAM	26705	1RB#0	Range6:12000~18000MHz	PASS
Band26	3MHz	16QAM	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	3MHz	16QAM	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	3MHz	16QAM	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	3MHz	16QAM	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	3MHz	16QAM	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	3MHz	16QAM	26740	1RB#0	Range6:12000~18000MHz	PASS
Band26	3MHz	16QAM	26775	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	3MHz	16QAM	26775	1RB#0	Range2:0.15~30MHz	PASS
Band26	3MHz	16QAM	26775	1RB#0	Range3:30~1000MHz	PASS
Band26	3MHz	16QAM	26775	1RB#0	Range4:1000~5000MHz	PASS
Band26	3MHz	16QAM	26775	1RB#0	Range5:5000~12000MHz	PASS
Band26	3MHz	16QAM	26775	1RB#0	Range6:12000~18000MHz	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range2:0.15~30MHz	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range3:30~1000MHz	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range4:1000~5000MHz	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range5:5000~12000MHz	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range6:12000~18000MHz	PASS

Band26	5MHz	QPSK	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range6:12000~18000MHz	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range2:0.15~30MHz	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range3:30~1000MHz	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range4:1000~5000MHz	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range5:5000~12000MHz	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range6:12000~18000MHz	PASS
Band26	5MHz	16QAM	26715	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	5MHz	16QAM	26715	1RB#0	Range2:0.15~30MHz	PASS
Band26	5MHz	16QAM	26715	1RB#0	Range3:30~1000MHz	PASS
Band26	5MHz	16QAM	26715	1RB#0	Range4:1000~5000MHz	PASS
Band26	5MHz	16QAM	26715	1RB#0	Range5:5000~12000MHz	PASS
Band26	5MHz	16QAM	26715	1RB#0	Range6:12000~18000MHz	PASS
Band26	5MHz	16QAM	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	5MHz	16QAM	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	5MHz	16QAM	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	5MHz	16QAM	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	5MHz	16QAM	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	5MHz	16QAM	26740	1RB#0	Range6:12000~18000MHz	PASS
Band26	5MHz	16QAM	26765	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	5MHz	16QAM	26765	1RB#0	Range2:0.15~30MHz	PASS
Band26	5MHz	16QAM	26765	1RB#0	Range3:30~1000MHz	PASS
Band26	5MHz	16QAM	26765	1RB#0	Range4:1000~5000MHz	PASS
Band26	5MHz	16QAM	26765	1RB#0	Range5:5000~12000MHz	PASS
Band26	5MHz	16QAM	26765	1RB#0	Range6:12000~18000MHz	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range6:12000~18000MHz	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range1:0.009~0.15MHz	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range2:0.15~30MHz	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range3:30~1000MHz	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range4:1000~5000MHz	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range5:5000~12000MHz	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range6:12000~18000MHz	PASS

Test Graphs

Band26_1.4MHz_QPSK_26697_1RB#0

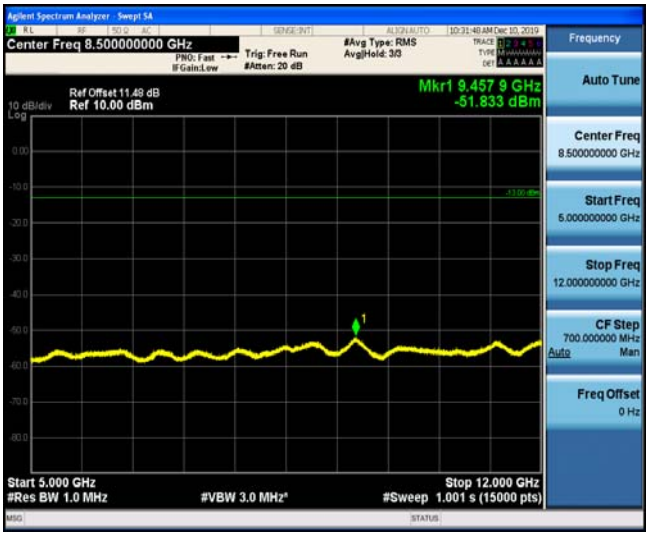
Band26_1.4MHz_QPSK_26697_1RB#0



Band26_1.4MHz_QPSK_26697_1RB#0

Band26_1.4MHz_QPSK_26697_1RB#0

Band26_1.4MHz_QPSK_26697_1RB#0



Band26_1.4MHz_QPSK_26697_1RB#0

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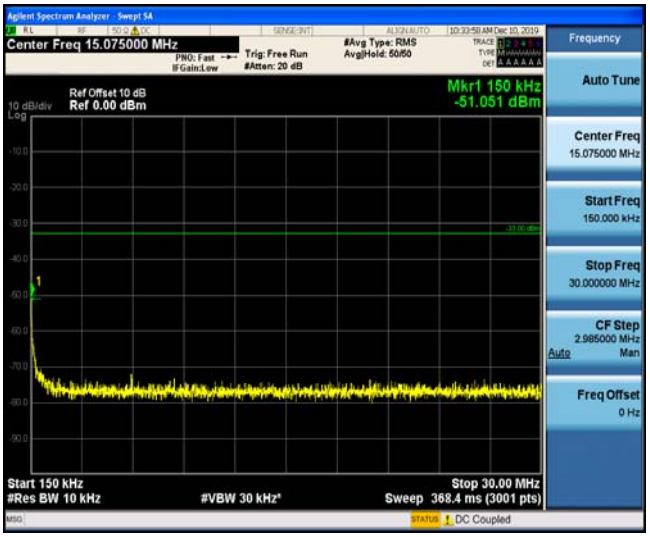
Band26_1.4MHz_QPSK_26740_1RB#0



Band26_1.4MHz_QPSK_26740_1RB#0

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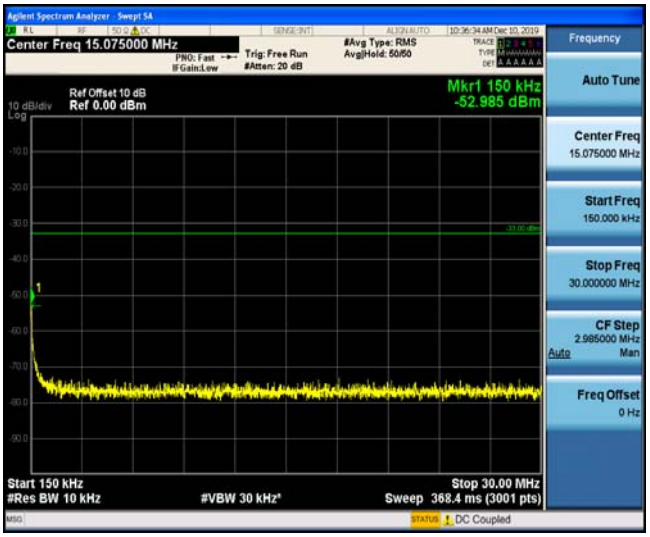
Band26_1.4MHz_QPSK_26740_1RB#0

Band26_1.4MHz_QPSK_26740_1RB#0

Band26_1.4MHz_QPSK_26783_1RB#0

Band26_1.4MHz_QPSK_26783_1RB#0



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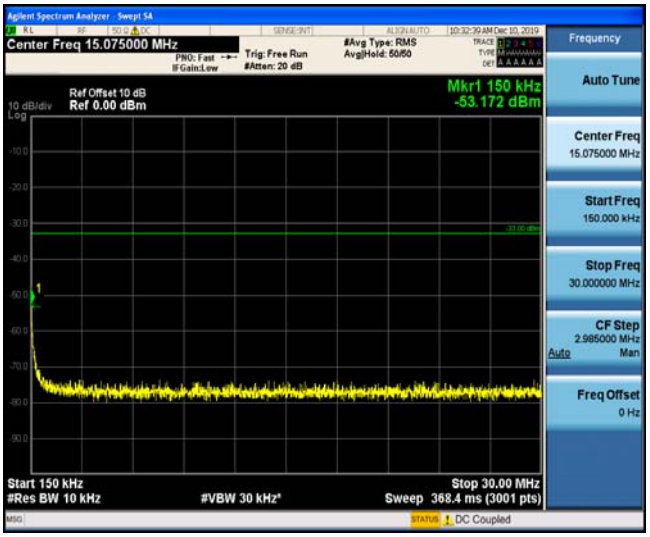
Band26_1.4MHz_QPSK_26783_1RB#0

Band26_1.4MHz_16QAM_26697_1RB#0

Band26_1.4MHz_16QAM_26697_1RB#0



Band26_1.4MHz_16QAM_26697_1RB#0

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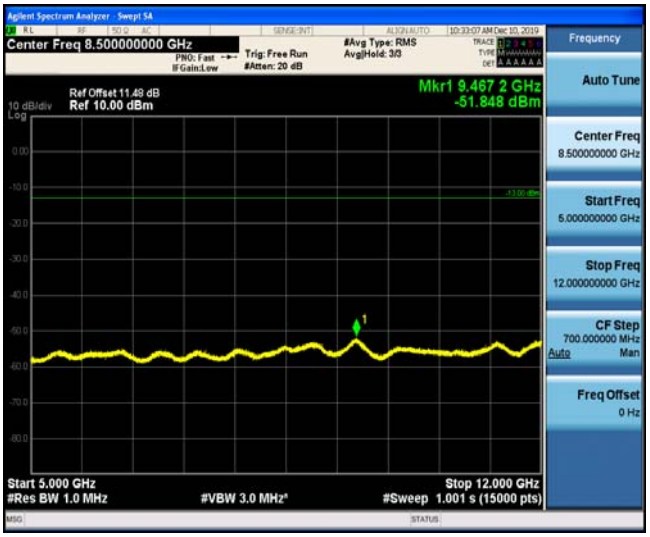
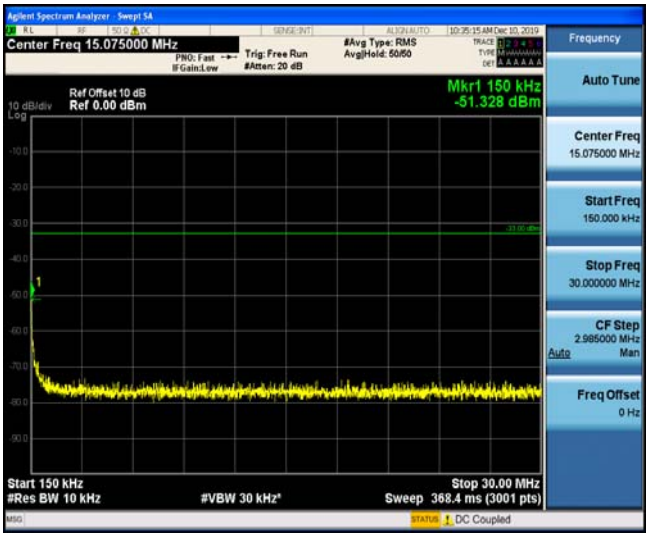
Band26_1.4MHz_16QAM_26697_1RB#0



Band26_1.4MHz_16QAM_26697_1RB#0

Band26_1.4MHz_16QAM_26740_1RB#0

Band26_1.4MHz_16QAM_26740_1RB#0



Band26_1.4MHz_16QAM_26740_1RB#0

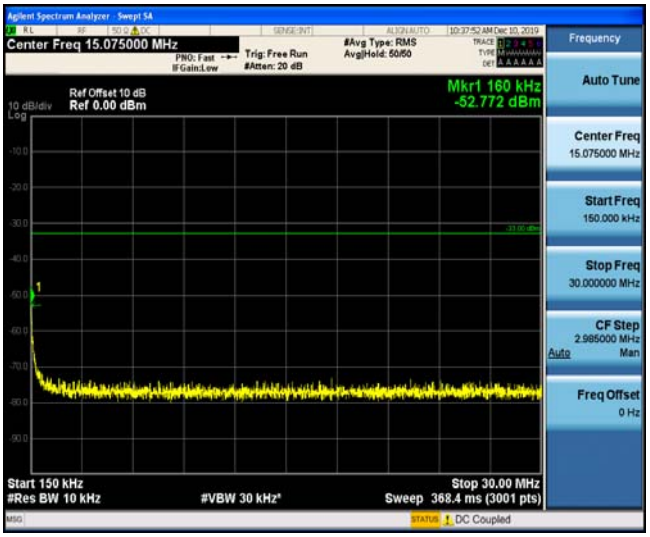
Band26_1.4MHz_16QAM_26740_1RB#0

Band26_1.4MHz_16QAM_26740_1RB#0

Band26_1.4MHz_16QAM_26740_1RB#0

Band26_1.4MHz_16QAM_26783_1RB#0

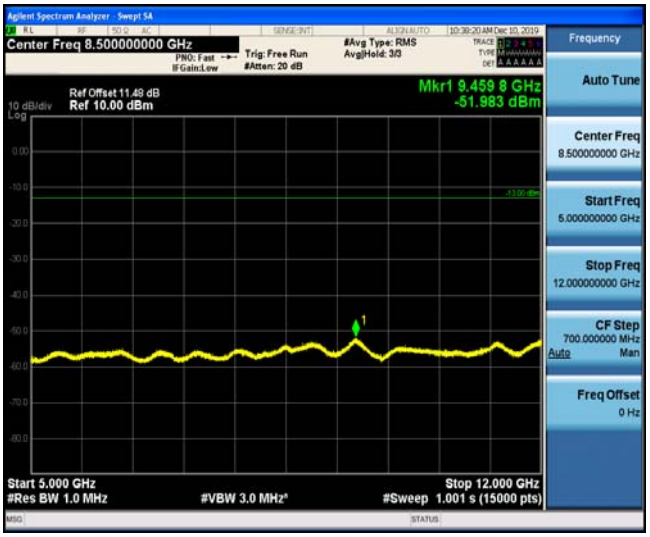
Band26_1.4MHz_16QAM_26783_1RB#0



Band26_1.4MHz_16QAM_26783_1RB#0

Band26_1.4MHz_16QAM_26783_1RB#0

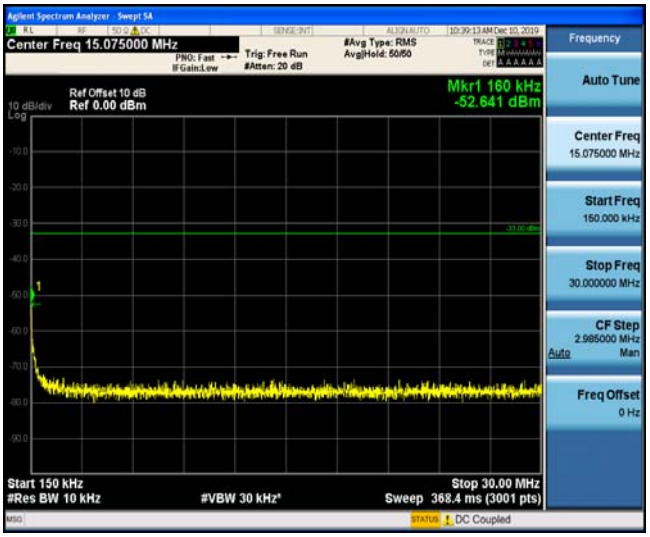
Band26_1.4MHz_16QAM_26783_1RB#0



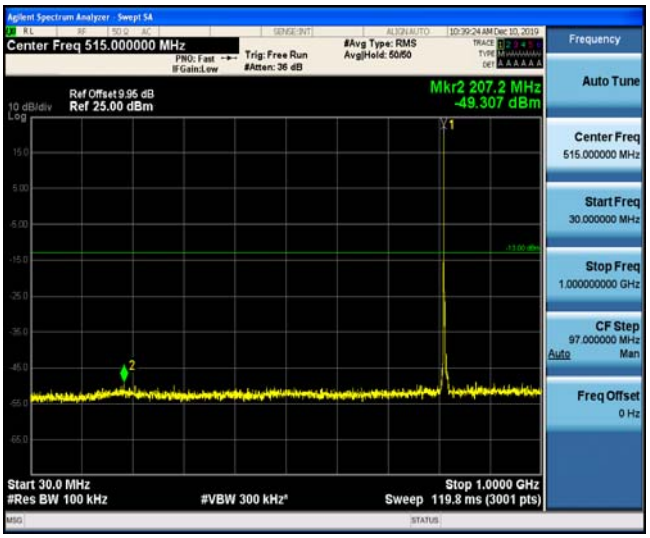
Band26_1.4MHz_16QAM_26783_1RB#0

Band26_3MHz_QPSK_26705_1RB#0

Band26_3MHz_QPSK_26705_1RB#0

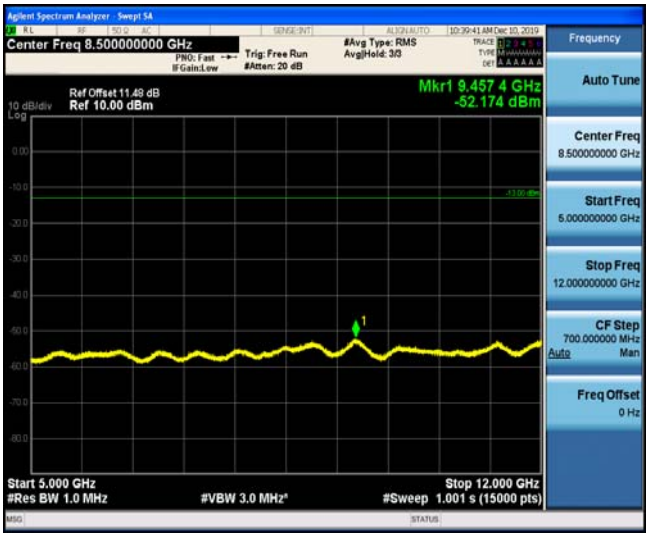


Band26_3MHz_QPSK_26705_1RB#0



Band26_3MHz_QPSK_26705_1RB#0

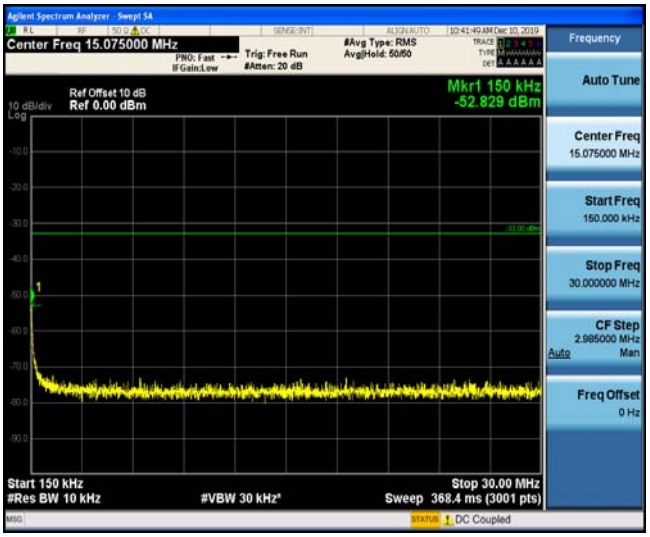
Band26_3MHz_QPSK_26705_1RB#0



Band26_3MHz_QPSK_26705_1RB#0

Band26_3MHz_QPSK_26740_1RB#0

Band26_3MHz_QPSK_26740_1RB#0



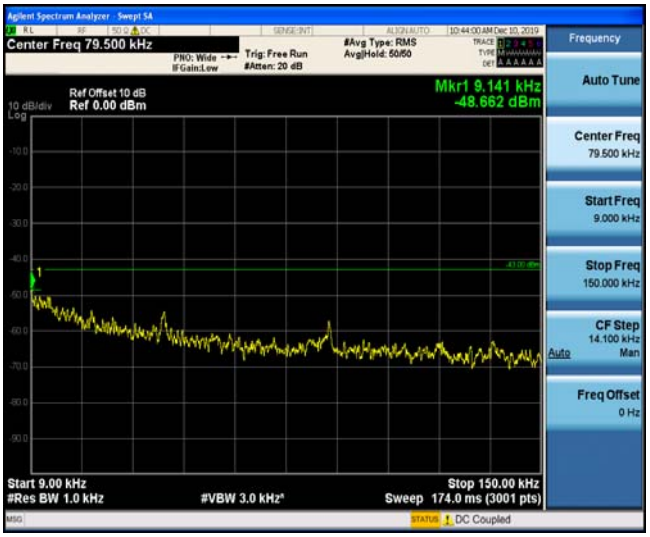
Band26_3MHz_QPSK_26740_1RB#0

Band26_3MHz_QPSK_26740_1RB#0

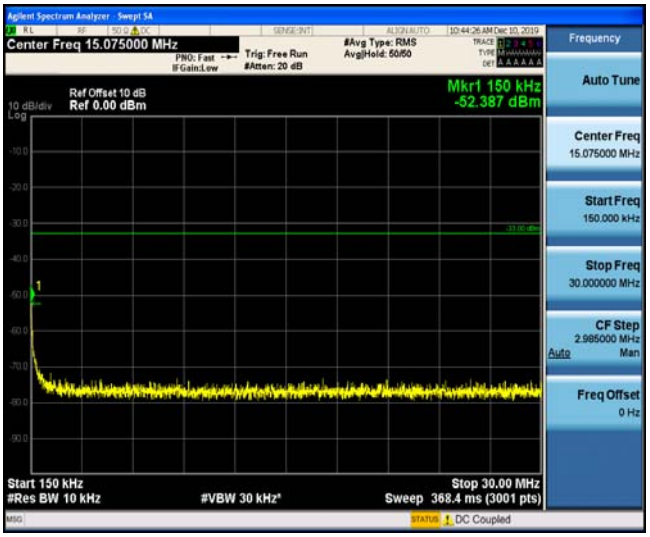
Band26_3MHz_QPSK_26740_1RB#0

Band26_3MHz_QPSK_26740_1RB#0

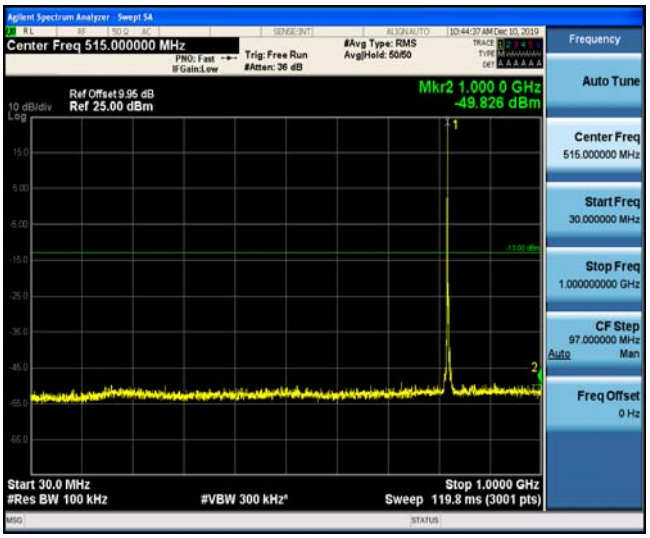
Band26_3MHz_QPSK_26775_1RB#0



Band26_3MHz_QPSK_26775_1RB#0

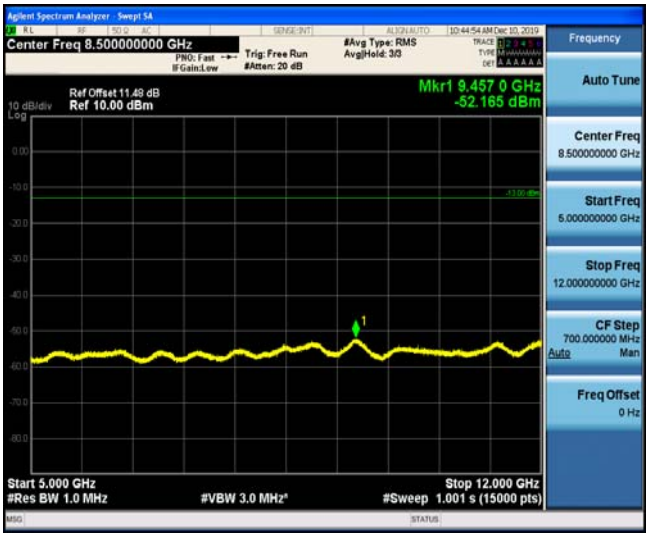


Band26_3MHz_QPSK_26775_1RB#0



Band26_3MHz_QPSK_26775_1RB#0

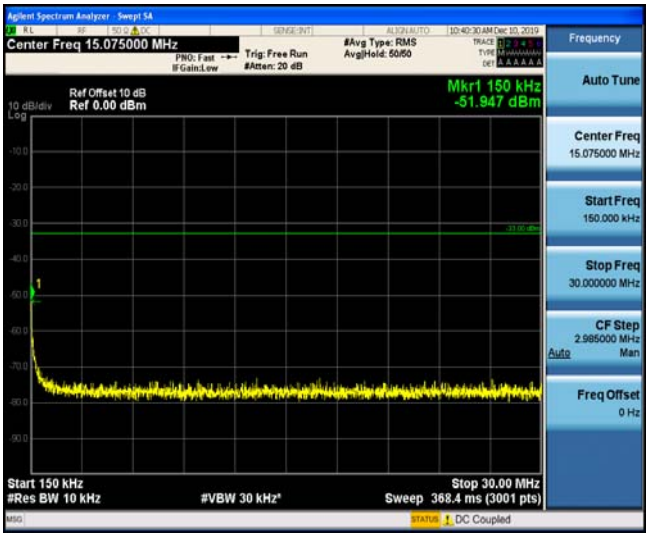
Band26_3MHz_QPSK_26775_1RB#0



Band26_3MHz_QPSK_26775_1RB#0

Band26_3MHz_16QAM_26705_1RB#0

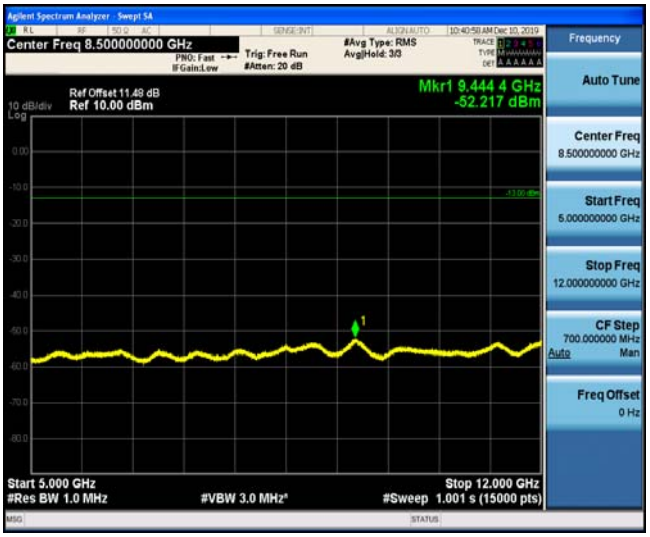
Band26_3MHz_16QAM_26705_1RB#0



Band26_3MHz_16QAM_26705_1RB#0

Band26_3MHz_16QAM_26705_1RB#0

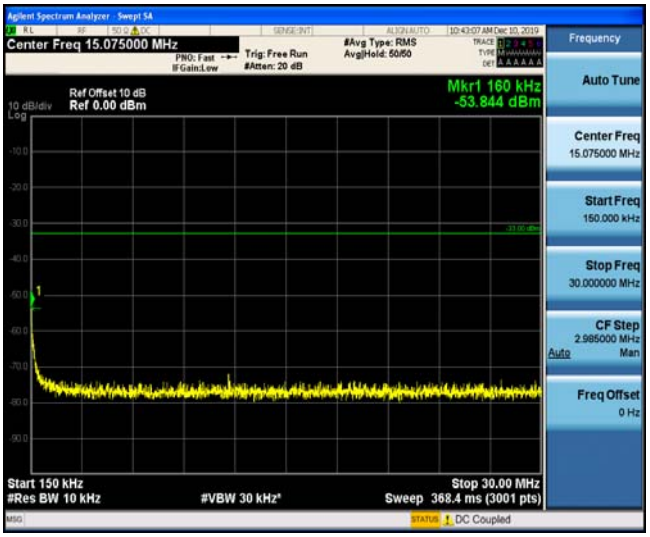
Band26_3MHz_16QAM_26705_1RB#0



Band26_3MHz_16QAM_26705_1RB#0

Band26_3MHz_16QAM_26740_1RB#0

Band26_3MHz_16QAM_26740_1RB#0



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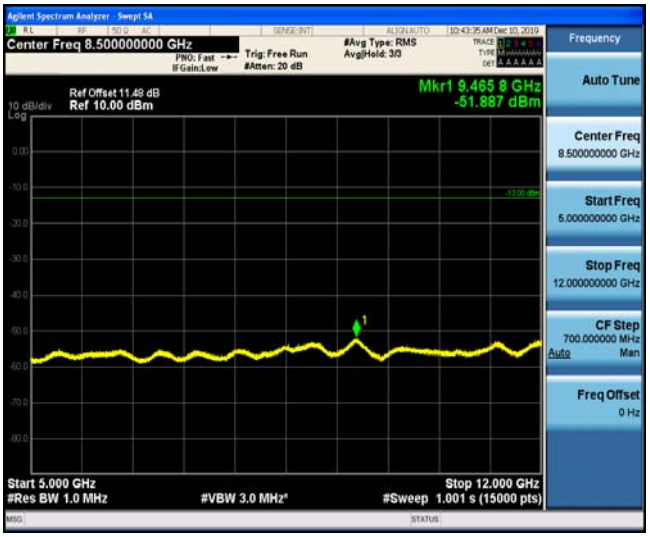

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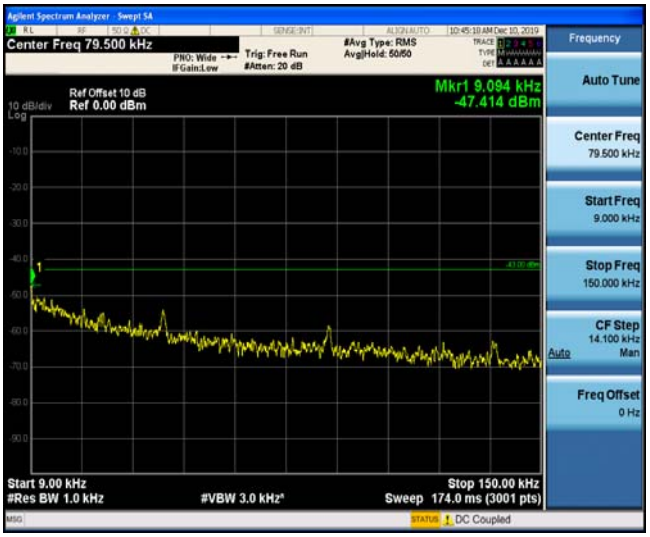

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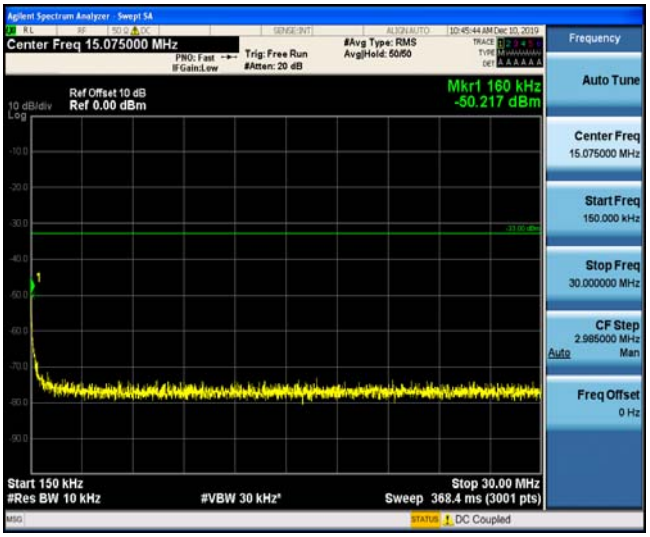
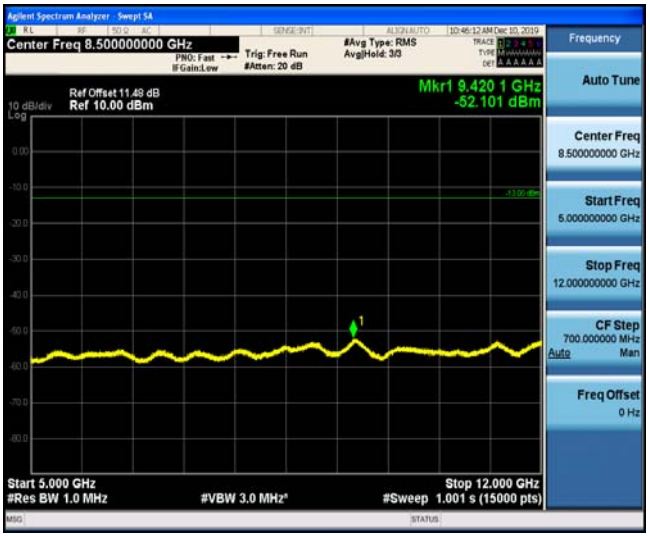


Band26_3MHz_16QAM_26775_1RB#0

Band26_3MHz_16QAM_26775_1RB#0

Band26_3MHz_16QAM_26775_1RB#0



Band26_3MHz_16QAM_26775_1RB#0

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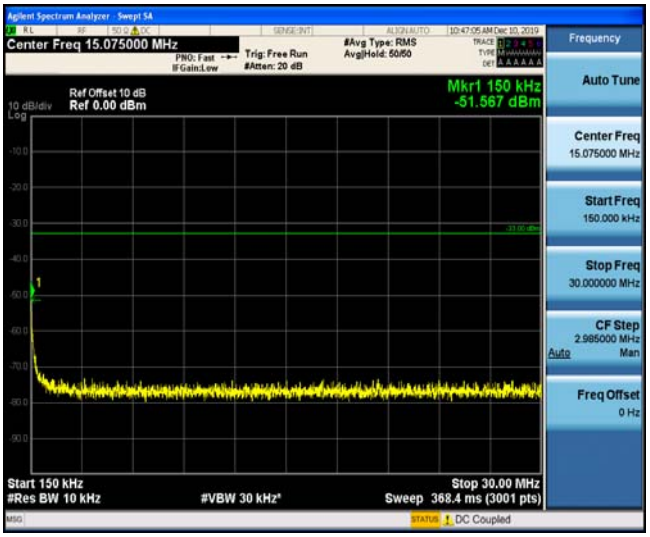
Band26_5MHz_QPSK_26715_1RB#0



Band26_5MHz_QPSK_26715_1RB#0

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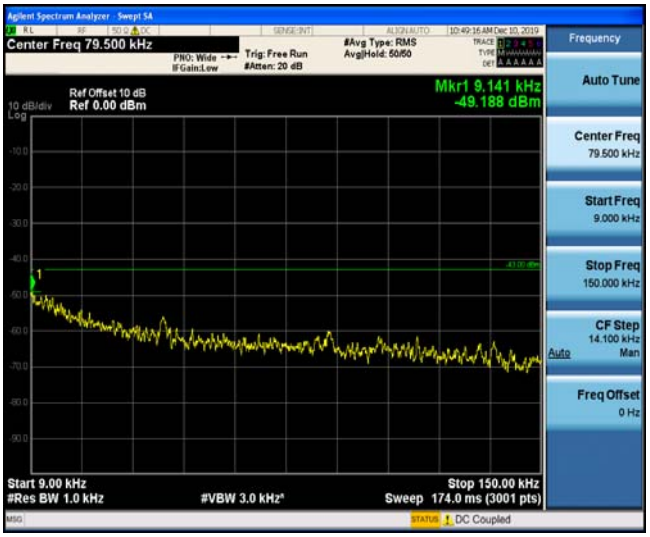

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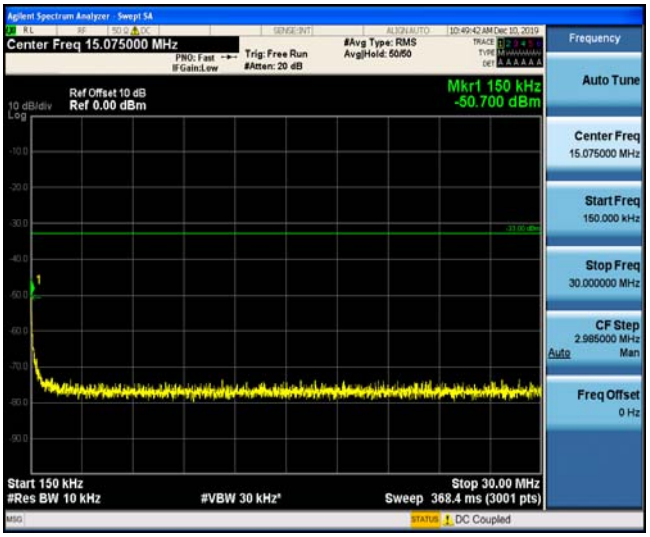

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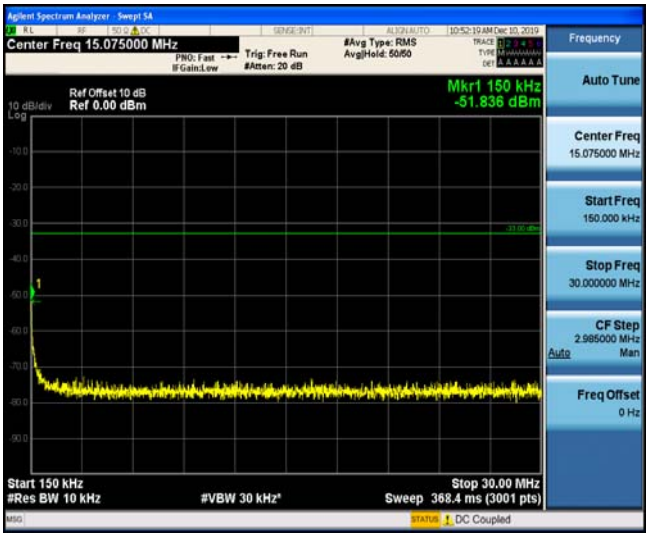

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Band26_5MHz_QPSK_26765_1RB#0

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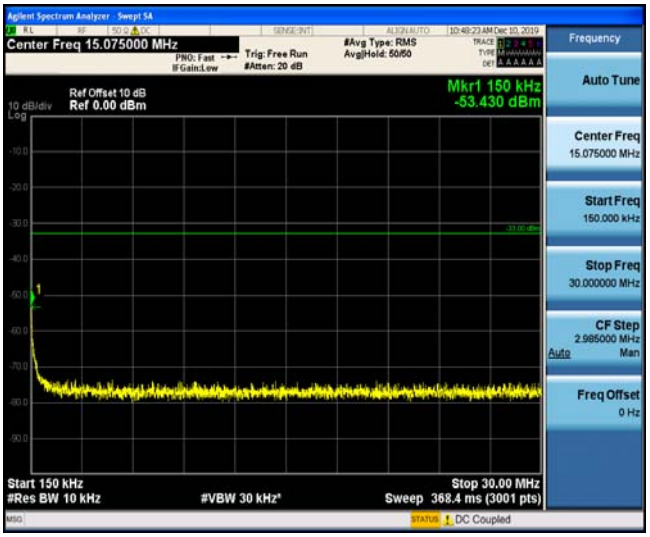

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Band26_5MHz_16QAM_26715_1RB#0

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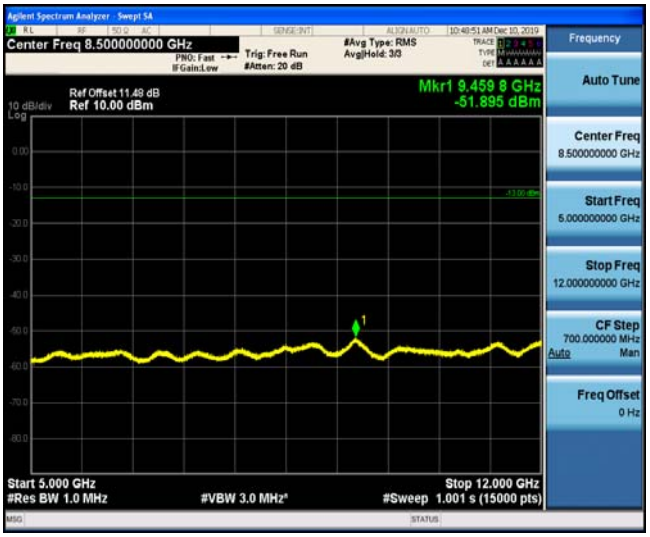

Band26_5MHz_16QAM_26715_1RB#0

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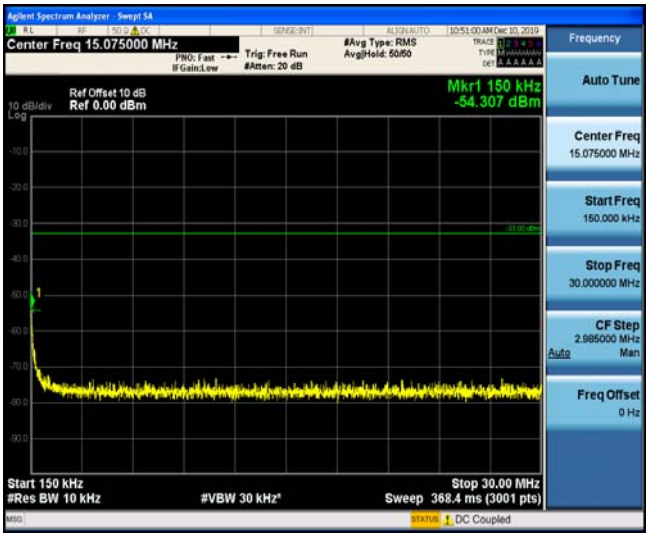

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Band26_5MHz_16QAM_26740_1RB#0

Band26_5MHz_16QAM_26740_1RB#0

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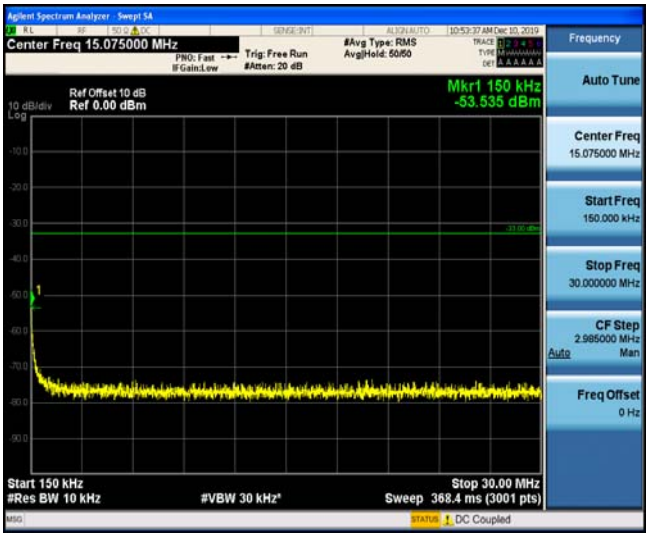
Band26_5MHz_16QAM_26765_1RB#0



Band26_5MHz_16QAM_26765_1RB#0

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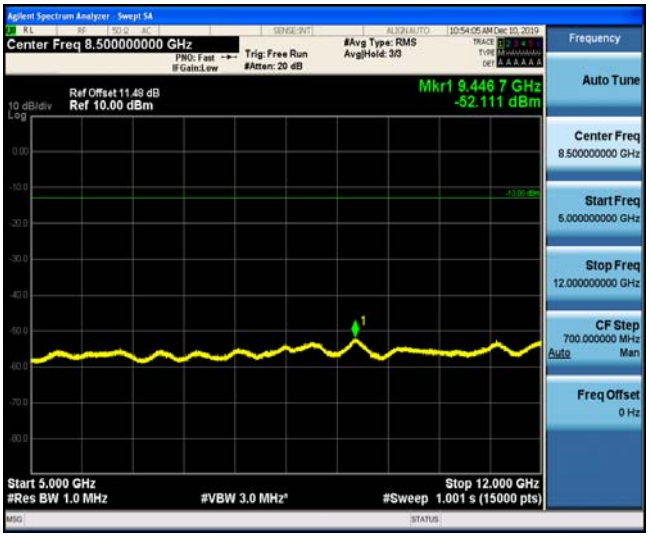
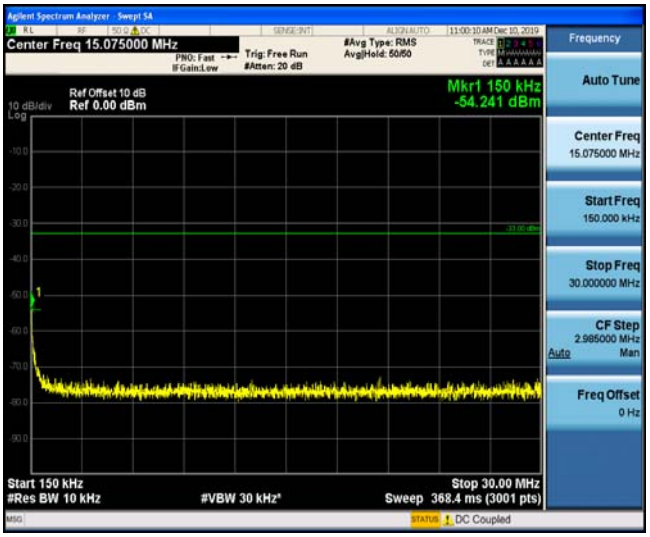


Band26_5MHz_16QAM_26765_1RB#0

Band26_10MHz_QPSK_26740_1RB#0

Band26_10MHz_QPSK_26740_1RB#0



Band26_10MHz_QPSK_26740_1RB#0

Band26_10MHz_QPSK_26740_1RB#0

Band26_10MHz_QPSK_26740_1RB#0

Band26_10MHz_QPSK_26740_1RB#0

Band26_10MHz_16QAM_26740_1RB#0

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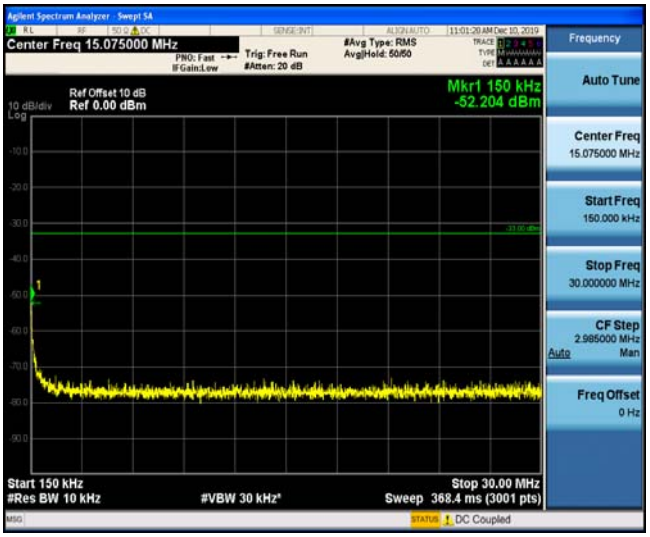

Band26_10MHz_16QAM_26740_1RB#0

Band26_10MHz_16QAM_26740_1RB#0

Band26_10MHz_16QAM_26740_1RB#0

Band26_10MHz_16QAM_26740_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	1.96	0.002406	± 2.5	PASS
		VN	TN	0.36	0.000442	± 2.5	PASS
		VH	TN	-0.57	-0.000700	± 2.5	PASS
	MCH	VL	TN	1.61	0.001966	± 2.5	PASS
		VN	TN	2.45	0.002991	± 2.5	PASS
		VH	TN	-1.97	-0.002405	± 2.5	PASS
	HCH	VL	TN	0.4	0.000486	± 2.5	PASS
		VN	TN	2.79	0.003389	± 2.5	PASS
		VH	TN	0.31	0.000377	± 2.5	PASS
16QAM	LCH	VL	TN	-0.83	-0.001019	± 2.5	PASS
		VN	TN	-0.06	-0.000074	± 2.5	PASS
		VH	TN	2.48	0.003044	± 2.5	PASS
	MCH	VL	TN	1.45	0.001770	± 2.5	PASS
		VN	TN	3.07	0.003748	± 2.5	PASS
		VH	TN	2.14	0.002613	± 2.5	PASS
	HCH	VL	TN	-0.77	-0.000935	± 2.5	PASS
		VN	TN	3.31	0.004020	± 2.5	PASS
		VH	TN	3.51	0.004263	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.38	0.004149	± 2.5	PASS
		VN	-20	3.27	0.004014	± 2.5	PASS
		VN	-10	2.14	0.002627	± 2.5	PASS
		VN	0	3.04	0.003731	± 2.5	PASS
		VN	10	-1.93	-0.002369	± 2.5	PASS
		VN	20	0.76	0.000933	± 2.5	PASS
		VN	30	0.01	0.000012	± 2.5	PASS
		VN	40	-0.59	-0.000724	± 2.5	PASS
		VN	50	3.47	0.004259	± 2.5	PASS
	MCH	VN	-30	4.01	0.004896	± 2.5	PASS

		VN	-20	4.11	0.005018	± 2.5	PASS
		VN	-10	2.03	0.002479	± 2.5	PASS
		VN	0	3.56	0.004347	± 2.5	PASS
		VN	10	1.69	0.002063	± 2.5	PASS
		VN	20	1.02	0.001245	± 2.5	PASS
		VN	30	-0.67	-0.000818	± 2.5	PASS
		VN	40	3.56	0.004347	± 2.5	PASS
		VN	50	3.91	0.004774	± 2.5	PASS
	HCH	VN	-30	1.37	0.001664	± 2.5	PASS
		VN	-20	2.73	0.003316	± 2.5	PASS
		VN	-10	2.66	0.003231	± 2.5	PASS
		VN	0	0.44	0.000534	± 2.5	PASS
		VN	10	1.11	0.001348	± 2.5	PASS
		VN	20	-1.02	-0.001239	± 2.5	PASS
		VN	30	-1.7	-0.002065	± 2.5	PASS
		VN	40	3.51	0.004263	± 2.5	PASS
		VN	50	-0.66	-0.000802	± 2.5	PASS
16QAM	LCH	VN	-30	0.97	0.001191	± 2.5	PASS
		VN	-20	-1.5	-0.001841	± 2.5	PASS
		VN	-10	-1.65	-0.002025	± 2.5	PASS
		VN	0	-0.49	-0.000601	± 2.5	PASS
		VN	10	1.12	0.001375	± 2.5	PASS
		VN	20	4.51	0.005536	± 2.5	PASS
		VN	30	-0.11	-0.000135	± 2.5	PASS
		VN	40	2.17	0.002664	± 2.5	PASS
		VN	50	0.83	0.001019	± 2.5	PASS
	MCH	VN	-30	1.44	0.001758	± 2.5	PASS
		VN	-20	1.74	0.002125	± 2.5	PASS
		VN	-10	-0.1	-0.000122	± 2.5	PASS
		VN	0	2.91	0.003553	± 2.5	PASS
		VN	10	-0.07	-0.000085	± 2.5	PASS
		VN	20	-0.23	-0.000281	± 2.5	PASS
		VN	30	0.33	0.000403	± 2.5	PASS
		VN	40	1.61	0.001966	± 2.5	PASS
		VN	50	2.97	0.003626	± 2.5	PASS
	HCH	VN	-30	-1.42	-0.001725	± 2.5	PASS
		VN	-20	3.66	0.004446	± 2.5	PASS
		VN	-10	-1.77	-0.002150	± 2.5	PASS
		VN	0	0.01	0.000012	± 2.5	PASS
		VN	10	0.48	0.000583	± 2.5	PASS
		VN	20	1.39	0.001688	± 2.5	PASS

		VN	30	0.87	0.001057	± 2.5	PASS
		VN	40	3.36	0.004081	± 2.5	PASS
		VN	50	1.88	0.002283	± 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	0.1	0.000123	± 2.5	PASS
		VN	TN	2.36	0.002894	± 2.5	PASS
		VH	TN	4.03	0.004942	± 2.5	PASS
	MCH	VL	TN	1.51	0.001844	± 2.5	PASS
		VN	TN	0.81	0.000989	± 2.5	PASS
		VH	TN	4.71	0.005751	± 2.5	PASS
	HCH	VL	TN	2.88	0.003502	± 2.5	PASS
		VN	TN	0.21	0.000255	± 2.5	PASS
		VH	TN	-1.91	-0.002322	± 2.5	PASS
16QAM	LCH	VL	TN	0.59	0.000723	± 2.5	PASS
		VN	TN	-0.37	-0.000454	± 2.5	PASS
		VH	TN	-1.7	-0.002085	± 2.5	PASS
	MCH	VL	TN	-0.92	-0.001123	± 2.5	PASS
		VN	TN	3.15	0.003846	± 2.5	PASS
		VH	TN	-0.85	-0.001038	± 2.5	PASS
	HCH	VL	TN	-0.8	-0.000973	± 2.5	PASS
		VN	TN	3.97	0.004827	± 2.5	PASS
		VH	TN	2.63	0.003198	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.66	0.000809	± 2.5	PASS
		VN	-20	1.04	0.001275	± 2.5	PASS
		VN	-10	0.09	0.000110	± 2.5	PASS
		VN	0	1.43	0.001754	± 2.5	PASS
		VN	10	2.89	0.003544	± 2.5	PASS
		VN	20	-1.55	-0.001901	± 2.5	PASS
		VN	30	4.47	0.005481	± 2.5	PASS
		VN	40	3.52	0.004316	± 2.5	PASS
		VN	50	2.23	0.002735	± 2.5	PASS
	MCH	VN	-30	1.61	0.001966	± 2.5	PASS
		VN	-20	0.31	0.000379	± 2.5	PASS

		VN	-10	-1.41	-0.001722	± 2.5	PASS
		VN	0	-0.67	-0.000818	± 2.5	PASS
		VN	10	1.7	0.002076	± 2.5	PASS
		VN	20	0.8	0.000977	± 2.5	PASS
		VN	30	-0.96	-0.001172	± 2.5	PASS
		VN	40	4.54	0.005543	± 2.5	PASS
		VN	50	0.73	0.000891	± 2.5	PASS
	HCH	VN	-30	4.43	0.005386	± 2.5	PASS
		VN	-20	3.56	0.004328	± 2.5	PASS
		VN	-10	2.2	0.002675	± 2.5	PASS
		VN	0	0.52	0.000632	± 2.5	PASS
		VN	10	-1.7	-0.002067	± 2.5	PASS
		VN	20	1.58	0.001921	± 2.5	PASS
		VN	30	1.44	0.001751	± 2.5	PASS
		VN	40	3.88	0.004717	± 2.5	PASS
		VN	50	4.75	0.005775	± 2.5	PASS
16QAM	LCH	VN	-30	2.8	0.003433	± 2.5	PASS
		VN	-20	-1.21	-0.001484	± 2.5	PASS
		VN	-10	3.9	0.004782	± 2.5	PASS
		VN	0	4.28	0.005248	± 2.5	PASS
		VN	10	4.59	0.005628	± 2.5	PASS
		VN	20	3.12	0.003826	± 2.5	PASS
		VN	30	-0.93	-0.001140	± 2.5	PASS
		VN	40	2.05	0.002514	± 2.5	PASS
		VN	50	-1.12	-0.001373	± 2.5	PASS
	MCH	VN	-30	-1.21	-0.001477	± 2.5	PASS
		VN	-20	2.24	0.002735	± 2.5	PASS
		VN	-10	-1.1	-0.001343	± 2.5	PASS
		VN	0	2.79	0.003407	± 2.5	PASS
		VN	10	-0.11	-0.000134	± 2.5	PASS
		VN	20	1.71	0.002088	± 2.5	PASS
		VN	30	-0.93	-0.001136	± 2.5	PASS
		VN	40	1.86	0.002271	± 2.5	PASS
		VN	50	3.8	0.004640	± 2.5	PASS
	HCH	VN	-30	1.86	0.002261	± 2.5	PASS
		VN	-20	-1.5	-0.001824	± 2.5	PASS
		VN	-10	0.47	0.000571	± 2.5	PASS
		VN	0	4.37	0.005313	± 2.5	PASS
		VN	10	4.34	0.005277	± 2.5	PASS
		VN	20	-0.59	-0.000717	± 2.5	PASS
		VN	30	0.33	0.000401	± 2.5	PASS

		VN	40	0.1	0.000122	± 2.5	PASS
		VN	50	1.04	0.001264	± 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	2.91	0.003564	± 2.5	PASS
		VN	TN	3.25	0.003980	± 2.5	PASS
		VH	TN	4.51	0.005524	± 2.5	PASS
	MCH	VL	TN	-0.81	-0.000989	± 2.5	PASS
		VN	TN	4.64	0.005665	± 2.5	PASS
		VH	TN	0.47	0.000574	± 2.5	PASS
	HCH	VL	TN	3.96	0.004820	± 2.5	PASS
		VN	TN	2.68	0.003262	± 2.5	PASS
		VH	TN	0.55	0.000670	± 2.5	PASS
16QAM	LCH	VL	TN	0.05	0.000061	± 2.5	PASS
		VN	TN	3.79	0.004642	± 2.5	PASS
		VH	TN	2.35	0.002878	± 2.5	PASS
	MCH	VL	TN	1.03	0.001258	± 2.5	PASS
		VN	TN	1.95	0.002381	± 2.5	PASS
		VH	TN	2.77	0.003382	± 2.5	PASS
	HCH	VL	TN	0.32	0.000390	± 2.5	PASS
		VN	TN	1.9	0.002313	± 2.5	PASS
		VH	TN	2.3	0.002800	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.91	-0.001115	± 2.5	PASS
		VN	-20	2.1	0.002572	± 2.5	PASS
		VN	-10	2.92	0.003576	± 2.5	PASS
		VN	0	-1.56	-0.001911	± 2.5	PASS
		VN	10	1.22	0.001494	± 2.5	PASS
		VN	20	0.27	0.000331	± 2.5	PASS
		VN	30	0.78	0.000955	± 2.5	PASS
		VN	40	-0.51	-0.000625	± 2.5	PASS
		VN	50	4.04	0.004948	± 2.5	PASS
	MCH	VN	-30	1.88	0.002295	± 2.5	PASS
		VN	-20	-0.74	-0.000904	± 2.5	PASS
		VN	-10	4.25	0.005189	± 2.5	PASS

		VN	0	3.73	0.004554	± 2.5	PASS
		VN	10	-0.44	-0.000537	± 2.5	PASS
		VN	20	2.08	0.002540	± 2.5	PASS
		VN	30	-0.37	-0.000452	± 2.5	PASS
		VN	40	1.44	0.001758	± 2.5	PASS
		VN	50	1.41	0.001722	± 2.5	PASS
	HCH	VN	-30	0.22	0.000268	± 2.5	PASS
		VN	-20	0.46	0.000560	± 2.5	PASS
		VN	-10	1.97	0.002398	± 2.5	PASS
		VN	0	-0.84	-0.001023	± 2.5	PASS
		VN	10	-1.47	-0.001789	± 2.5	PASS
		VN	20	0.19	0.000231	± 2.5	PASS
		VN	30	2.08	0.002532	± 2.5	PASS
		VN	40	-1.86	-0.002264	± 2.5	PASS
		VN	50	-0.08	-0.000097	± 2.5	PASS
16QAM	LCH	VN	-30	3.43	0.004201	± 2.5	PASS
		VN	-20	1	0.001225	± 2.5	PASS
		VN	-10	2	0.002449	± 2.5	PASS
		VN	0	-0.99	-0.001212	± 2.5	PASS
		VN	10	-1.35	-0.001653	± 2.5	PASS
		VN	20	2.03	0.002486	± 2.5	PASS
		VN	30	0.63	0.000772	± 2.5	PASS
		VN	40	2.42	0.002964	± 2.5	PASS
		VN	50	4.21	0.005156	± 2.5	PASS
	MCH	VN	-30	0.19	0.000232	± 2.5	PASS
		VN	-20	-1.69	-0.002063	± 2.5	PASS
		VN	-10	-0.88	-0.001074	± 2.5	PASS
		VN	0	3.65	0.004457	± 2.5	PASS
		VN	10	3.26	0.003980	± 2.5	PASS
		VN	20	4.02	0.004908	± 2.5	PASS
		VN	30	0.16	0.000195	± 2.5	PASS
		VN	40	2.99	0.003651	± 2.5	PASS
		VN	50	1.57	0.001917	± 2.5	PASS
	HCH	VN	-30	-1.07	-0.001302	± 2.5	PASS
		VN	-20	-1.34	-0.001631	± 2.5	PASS
		VN	-10	1.12	0.001363	± 2.5	PASS
		VN	0	1.43	0.001741	± 2.5	PASS
		VN	10	3.31	0.004029	± 2.5	PASS
		VN	20	2.79	0.003396	± 2.5	PASS
		VN	30	-1.6	-0.001948	± 2.5	PASS
		VN	40	-0.71	-0.000864	± 2.5	PASS

		VN	50	4.79	0.005831	± 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	MCH	VL	TN	4.29	0.005238	± 2.5	PASS
		VN	TN	3.05	0.003724	± 2.5	PASS
		VH	TN	-1	-0.001221	± 2.5	PASS
16QAM	MCH	VL	TN	3.93	0.004799	± 2.5	PASS
		VN	TN	-1.2	-0.001465	± 2.5	PASS
		VH	TN	1.12	0.001368	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	MCH	VN	-30	1.83	0.002234	± 2.5	PASS
		VN	-20	-1.36	-0.001661	± 2.5	PASS
		VN	-10	-0.5	-0.000611	± 2.5	PASS
		VN	0	-0.37	-0.000452	± 2.5	PASS
		VN	10	-0.5	-0.000611	± 2.5	PASS
		VN	20	-1.82	-0.002222	± 2.5	PASS
		VN	30	0.93	0.001136	± 2.5	PASS
		VN	40	1.32	0.001612	± 2.5	PASS
		VN	50	0.39	0.000476	± 2.5	PASS
16QAM	MCH	VN	-30	-1.06	-0.001294	± 2.5	PASS
		VN	-20	2.42	0.002955	± 2.5	PASS
		VN	-10	1.44	0.001758	± 2.5	PASS
		VN	0	1.67	0.002039	± 2.5	PASS
		VN	10	0.24	0.000293	± 2.5	PASS
		VN	20	4.15	0.005067	± 2.5	PASS
		VN	30	4.65	0.005678	± 2.5	PASS
		VN	40	-0.02	-0.000024	± 2.5	PASS
		VN	50	0.87	0.001062	± 2.5	PASS