

1. Frequency stability

1.1 Test Result

Band 5

Test Band: 5_ 1.4MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	6	0	NT	LV	0.0000	0.0000	-2.0000	-0.0006	0.0010	-0.0028	2.50	PASS
				NV	0.0000	0.0000	-1.0000	0.0006	0.0004	-0.0016	2.50	PASS
				HV	0.0000	0.0000	-1.0000	-0.0010	0.0008	-0.0020	2.50	PASS
16QAM	6	0	NT	LV	0.0000	0.0000	-1.0000	0.0003	0.0001	-0.0021	2.50	PASS
				NV	0.0000	1.0000	-3.0000	0.0001	0.0021	-0.0040	2.50	PASS
				HV	0.0000	0.0000	-2.0000	0.0009	-0.0002	-0.0026	2.50	PASS

Test Band: 5_ 1.4MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	6	0	NV	-30.00	-2.0000	0.0000	-2.0000	-0.0033	0.0010	-0.0027	2.50	PASS
				-20.00	-1.0000	0.0000	-1.0000	-0.0016	0.0001	-0.0018	2.50	PASS
				-10.00	-2.0000	0.0000	0.0000	-0.0025	-0.0001	-0.0007	2.50	PASS
				0.00	0.0000	0.0000	-3.0000	-0.0007	-0.0001	-0.0037	2.50	PASS
				10.00	0.0000	0.0000	-3.0000	-0.0002	-0.0003	-0.0039	2.50	PASS
				20.00	-2.0000	0.0000	0.0000	-0.0033	0.0001	-0.0012	2.50	PASS
				30.00	0.0000	0.0000	-4.0000	-0.0011	-0.0004	-0.0049	2.50	PASS
				40.00	0.0000	0.0000	-1.0000	0.0001	-0.0008	-0.0015	2.50	PASS
16QAM	6	0	NV	50.00	-2.0000	0.0000	-1.0000	-0.0027	-0.0011	-0.0023	2.50	PASS
				-30.00	0.0000	0.0000	-4.0000	0.0002	0.0003	-0.0049	2.50	PASS
				-20.00	-2.0000	0.0000	-1.0000	-0.0031	0.0007	-0.0017	2.50	PASS
				-10.00	-2.0000	0.0000	-3.0000	-0.0025	0.0007	-0.0039	2.50	PASS
				0.00	-2.0000	0.0000	-2.0000	-0.0032	-0.0004	-0.0029	2.50	PASS
				10.00	-2.0000	1.0000	-2.0000	-0.0033	0.0018	-0.0026	2.50	PASS
				20.00	-2.0000	2.0000	-2.0000	-0.0027	0.0029	-0.0033	2.50	PASS
				30.00	-2.0000	0.0000	0.0000	-0.0027	0.0011	-0.0010	2.50	PASS
40.00	-2.0000	-1.0000	-1.0000	-0.0026	-0.0022	-0.0020	2.50	PASS				
50.00	-1.0000	0.0000	-2.0000	-0.0019	-0.0010	-0.0030	2.50	PASS				

Test Band: 5_ 3MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	15	0	NT	LV	-2.0000	0.0000	0.0000	-0.0026	0.0007	-0.0004	2.50	PASS
				NV	-1.0000	1.0000	-1.0000	-0.0018	0.0021	-0.0022	2.50	PASS
				HV	-1.0000	1.0000	0.0000	-0.0014	0.0022	0.0003	2.50	PASS
16QAM	15	0	NT	LV	0.0000	-2.0000	0.0000	-0.0007	-0.0028	-0.0005	2.50	PASS
				NV	-1.0000	2.0000	-1.0000	-0.0023	0.0024	-0.0023	2.50	PASS
				HV	-3.0000	0.0000	0.0000	-0.0041	-0.0001	0.0005	2.50	PASS

Test Band: 5_ 3MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	15	0	NV	-30.00	0.0000	0.0000	0.0000	-0.0010	-0.0002	0.0007	2.50	PASS
				-20.00	0.0000	0.0000	0.0000	-0.0010	0.0001	-0.0001	2.50	PASS
				-10.00	0.0000	-1.0000	0.0000	-0.0011	-0.0023	-0.0005	2.50	PASS

				0.00	-1.0000	0.0000	-2.0000	-0.0017	0.0009	-0.0033	2.50	PASS
				10.00	-1.0000	2.0000	-1.0000	-0.0022	0.0027	-0.0023	2.50	PASS
				20.00	-1.0000	1.0000	0.0000	-0.0024	0.0023	0.0000	2.50	PASS
				30.00	-1.0000	1.0000	0.0000	-0.0022	0.0020	0.0005	2.50	PASS
				40.00	-2.0000	1.0000	-2.0000	-0.0024	0.0021	-0.0031	2.50	PASS
				50.00	-1.0000	1.0000	-1.0000	-0.0024	0.0018	-0.0017	2.50	PASS
16QAM	15	0	NV	-30.00	0.0000	0.0000	0.0000	-0.0007	-0.0011	0.0000	2.50	PASS
				-20.00	-1.0000	1.0000	-1.0000	-0.0021	0.0024	-0.0013	2.50	PASS
				-10.00	-2.0000	2.0000	-1.0000	-0.0036	0.0031	-0.0017	2.50	PASS
				0.00	-2.0000	0.0000	0.0000	-0.0025	-0.0001	-0.0011	2.50	PASS
				10.00	0.0000	0.0000	0.0000	0.0001	-0.0004	-0.0008	2.50	PASS
				20.00	0.0000	-1.0000	0.0000	-0.0007	-0.0015	-0.0011	2.50	PASS
				30.00	-2.0000	-1.0000	0.0000	-0.0024	-0.0014	-0.0005	2.50	PASS
				40.00	-2.0000	1.0000	0.0000	-0.0033	0.0023	-0.0008	2.50	PASS
				50.00	-3.0000	2.0000	0.0000	-0.0045	0.0027	-0.0004	2.50	PASS

Test Band: 5_ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	0.0000	2.0000	-3.0000	-0.0007	0.0032	-0.0041	2.50	PASS
				NV	-3.0000	1.0000	0.0000	-0.0039	0.0018	-0.0011	2.50	PASS
				HV	-3.0000	0.0000	-1.0000	-0.0046	0.0011	-0.0012	2.50	PASS
16QAM	25	0	NT	LV	0.0000	0.0000	-4.0000	-0.0009	0.0004	-0.0049	2.50	PASS
				NV	-1.0000	0.0000	-1.0000	-0.0023	0.0003	-0.0012	2.50	PASS
				HV	-2.0000	0.0000	-1.0000	-0.0027	-0.0003	-0.0014	2.50	PASS

Test Band: 5_ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	0.0000	0.0000	-3.0000	0.0007	0.0008	-0.0038	2.50	PASS
				-20.00	-1.0000	0.0000	-2.0000	-0.0012	0.0008	-0.0025	2.50	PASS
				-10.00	-1.0000	0.0000	-1.0000	-0.0017	0.0010	-0.0013	2.50	PASS
				0.00	-1.0000	0.0000	-3.0000	-0.0015	0.0010	-0.0045	2.50	PASS
				10.00	-1.0000	1.0000	-3.0000	-0.0017	0.0012	-0.0044	2.50	PASS
				20.00	-1.0000	1.0000	0.0000	-0.0021	0.0014	-0.0002	2.50	PASS
				30.00	-1.0000	1.0000	-2.0000	-0.0017	0.0015	-0.0025	2.50	PASS
				40.00	-1.0000	1.0000	-3.0000	-0.0018	0.0016	-0.0039	2.50	PASS
				50.00	0.0000	2.0000	0.0000	-0.0010	0.0025	-0.0004	2.50	PASS
16QAM	25	0	NV	-30.00	-2.0000	0.0000	-4.0000	-0.0025	0.0001	-0.0055	2.50	PASS
				-20.00	-1.0000	0.0000	-1.0000	-0.0023	0.0005	-0.0018	2.50	PASS
				-10.00	-1.0000	0.0000	-4.0000	-0.0017	0.0002	-0.0049	2.50	PASS
				0.00	-1.0000	0.0000	0.0000	-0.0020	0.0010	-0.0005	2.50	PASS
				10.00	0.0000	0.0000	-3.0000	-0.0009	0.0008	-0.0045	2.50	PASS
				20.00	0.0000	0.0000	-4.0000	-0.0008	0.0011	-0.0049	2.50	PASS
				30.00	0.0000	1.0000	-3.0000	-0.0005	0.0020	-0.0038	2.50	PASS
				40.00	0.0000	1.0000	0.0000	0.0003	0.0023	-0.0006	2.50	PASS
				50.00	0.0000	1.0000	-3.0000	0.0004	0.0020	-0.0042	2.50	PASS

Test Band: 5_ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	1.0000	-1.0000	-1.0000	0.0015	-0.0015	-0.0016	2.50	PASS
				NV	-2.0000	0.0000	1.0000	-0.0030	0.0003	0.0024	2.50	PASS
				HV	-1.0000	1.0000	0.0000	-0.0017	0.0018	-0.0007	2.50	PASS
16QAM	50	0	NT	LV	1.0000	2.0000	-1.0000	0.0019	0.0025	-0.0014	2.50	PASS

				NV	0.0000	-1.0000	-1.0000	0.0009	-0.0012	-0.0012	2.50	PASS
				HV	0.0000	0.0000	0.0000	0.0010	-0.0002	0.0009	2.50	PASS

Test Band: 5 _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	0.0000	1.0000	0.0000	-0.0006	0.0015	-0.0005	2.50	PASS
				-20.00	1.0000	1.0000	0.0000	0.0016	0.0017	0.0008	2.50	PASS
				-10.00	0.0000	1.0000	1.0000	-0.0002	0.0016	0.0012	2.50	PASS
				0.00	1.0000	1.0000	1.0000	0.0016	0.0020	0.0016	2.50	PASS
				10.00	1.0000	1.0000	0.0000	0.0013	0.0017	-0.0003	2.50	PASS
				20.00	0.0000	1.0000	0.0000	0.0002	0.0019	-0.0010	2.50	PASS
				30.00	1.0000	1.0000	1.0000	0.0019	0.0021	0.0018	2.50	PASS
				40.00	-1.0000	2.0000	0.0000	-0.0014	0.0026	0.0003	2.50	PASS
50.00	0.0000	0.0000	-1.0000	-0.0002	0.0000	-0.0012	2.50	PASS				
16QAM	50	0	NV	-30.00	1.0000	0.0000	0.0000	0.0013	0.0011	-0.0004	2.50	PASS
				-20.00	0.0000	0.0000	2.0000	-0.0011	-0.0005	0.0030	2.50	PASS
				-10.00	2.0000	0.0000	1.0000	0.0029	0.0010	0.0012	2.50	PASS
				0.00	1.0000	1.0000	0.0000	0.0020	0.0018	-0.0008	2.50	PASS
				10.00	0.0000	-1.0000	2.0000	0.0002	-0.0017	0.0031	2.50	PASS
				20.00	0.0000	0.0000	0.0000	-0.0007	-0.0010	0.0008	2.50	PASS
				30.00	0.0000	0.0000	0.0000	0.0011	0.0001	0.0001	2.50	PASS
				40.00	0.0000	0.0000	0.0000	-0.0003	0.0007	0.0007	2.50	PASS
50.00	2.0000	1.0000	0.0000	0.0031	0.0023	0.0006	2.50	PASS				

Band 38

Test Band: 38_ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	2.0000	2.0000	-9.0000	0.0009	0.0009	-0.0036	2.50	PASS
				NV	-1.0000	3.0000	0.0000	-0.0004	0.0015	0.0001	2.50	PASS
				HV	-2.0000	1.0000	0.0000	-0.0010	0.0008	0.0000	2.50	PASS
16QAM	25	0	NT	LV	1.0000	-9.0000	-4.0000	0.0007	-0.0035	-0.0016	2.50	PASS
				NV	2.0000	-4.0000	-5.0000	0.0009	-0.0018	-0.0021	2.50	PASS
				HV	-1.0000	-8.0000	-7.0000	-0.0006	-0.0033	-0.0029	2.50	PASS

Test Band: 38_ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	-1.0000	2.0000	1.0000	-0.0005	0.0008	0.0004	2.50	PASS
				-20.00	1.0000	0.0000	0.0000	0.0004	0.0003	0.0000	2.50	PASS
				-10.00	0.0000	1.0000	0.0000	-0.0001	0.0008	0.0003	2.50	PASS
				0.00	-3.0000	2.0000	0.0000	-0.0014	0.0010	0.0002	2.50	PASS
				10.00	0.0000	3.0000	0.0000	0.0002	0.0013	0.0002	2.50	PASS
				20.00	1.0000	3.0000	0.0000	0.0004	0.0012	0.0003	2.50	PASS
				30.00	-1.0000	2.0000	1.0000	-0.0007	0.0008	0.0004	2.50	PASS
				40.00	1.0000	2.0000	0.0000	0.0005	0.0010	0.0003	2.50	PASS
16QAM	25	0	NV	50.00	0.0000	3.0000	0.0000	-0.0003	0.0014	0.0000	2.50	PASS
				-30.00	-4.0000	-6.0000	-9.0000	-0.0019	-0.0024	-0.0035	2.50	PASS
				-20.00	-4.0000	-9.0000	-8.0000	-0.0017	-0.0037	-0.0033	2.50	PASS
				-10.00	-6.0000	-7.0000	-8.0000	-0.0025	-0.0029	-0.0032	2.50	PASS
				0.00	-3.0000	-8.0000	-8.0000	-0.0013	-0.0032	-0.0032	2.50	PASS
				10.00	-4.0000	-6.0000	-6.0000	-0.0018	-0.0024	-0.0025	2.50	PASS
				20.00	-4.0000	-7.0000	-3.0000	-0.0017	-0.0027	-0.0012	2.50	PASS
				30.00	-5.0000	-8.0000	-6.0000	-0.0021	-0.0032	-0.0026	2.50	PASS
40.00	-3.0000	-7.0000	-6.0000	-0.0015	-0.0028	-0.0024	2.50	PASS				
50.00	-8.0000	-5.0000	-5.0000	-0.0033	-0.0022	-0.0019	2.50	PASS				

Test Band: 38_ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	-1.0000	-5.0000	-13.0000	-0.0006	-0.0022	-0.0053	2.50	PASS
				NV	-6.0000	-11.0000	-1.0000	-0.0026	-0.0043	-0.0007	2.50	PASS
				HV	-4.0000	-9.0000	-3.0000	-0.0018	-0.0036	-0.0011	2.50	PASS
16QAM	50	0	NT	LV	-8.0000	7.0000	-1.0000	-0.0032	0.0027	-0.0007	2.50	PASS
				NV	4.0000	2.0000	-5.0000	0.0019	0.0009	-0.0020	2.50	PASS
				HV	7.0000	0.0000	-4.0000	0.0028	0.0002	-0.0017	2.50	PASS

Test Band: 38_ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	-6.0000	-10.0000	-1.0000	-0.0027	-0.0040	-0.0006	2.50	PASS
				-20.00	-6.0000	-10.0000	-2.0000	-0.0024	-0.0041	-0.0009	2.50	PASS
				-10.00	-7.0000	-10.0000	0.0000	-0.0029	-0.0042	-0.0002	2.50	PASS
				0.00	-6.0000	-10.0000	0.0000	-0.0024	-0.0040	-0.0003	2.50	PASS
				10.00	-7.0000	-9.0000	0.0000	-0.0030	-0.0038	-0.0004	2.50	PASS
				20.00	-3.0000	-9.0000	0.0000	-0.0015	-0.0038	-0.0002	2.50	PASS
				30.00	-5.0000	-9.0000	-1.0000	-0.0020	-0.0036	-0.0004	2.50	PASS
				40.00	-5.0000	-11.0000	-13.0000	-0.0022	-0.0043	-0.0053	2.50	PASS

16QAM	50	0	NV	50.00	-4.0000	-7.0000	-13.0000	-0.0019	-0.0027	-0.0051	2.50	PASS
				-30.00	4.0000	3.0000	-5.0000	0.0019	0.0012	-0.0021	2.50	PASS
				-20.00	6.0000	0.0000	-1.0000	0.0026	-0.0001	-0.0007	2.50	PASS
				-10.00	6.0000	5.0000	-5.0000	0.0027	0.0022	-0.0020	2.50	PASS
				0.00	1.0000	11.0000	-5.0000	0.0006	0.0045	-0.0023	2.50	PASS
				10.00	5.0000	4.0000	-4.0000	0.0020	0.0016	-0.0017	2.50	PASS
				20.00	-7.0000	1.0000	-3.0000	-0.0030	0.0007	-0.0013	2.50	PASS
				30.00	-1.0000	1.0000	2.0000	-0.0004	0.0007	0.0011	2.50	PASS
				40.00	0.0000	4.0000	-3.0000	0.0002	0.0016	-0.0013	2.50	PASS
50.00	-4.0000	3.0000	-3.0000	-0.0019	0.0012	-0.0012	2.50	PASS				

Test Band: 38 _ 15MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NT	LV	0.0000	-5.0000	-12.0000	0.0000	-0.0023	-0.0048	2.50	PASS
				NV	-1.0000	-7.0000	-13.0000	-0.0004	-0.0029	-0.0052	2.50	PASS
				HV	0.0000	-8.0000	-12.0000	-0.0003	-0.0031	-0.0049	2.50	PASS
16QAM	75	0	NT	LV	0.0000	-2.0000	-1.0000	0.0001	-0.0008	-0.0005	2.50	PASS
				NV	4.0000	2.0000	-4.0000	0.0018	0.0010	-0.0018	2.50	PASS
				HV	3.0000	5.0000	-3.0000	0.0013	0.0020	-0.0012	2.50	PASS

Test Band: 38 _ 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NV	-30.00	0.0000	-7.0000	-11.0000	-0.0003	-0.0030	-0.0045	2.50	PASS
				-20.00	1.0000	-6.0000	-8.0000	0.0004	-0.0024	-0.0031	2.50	PASS
				-10.00	0.0000	-5.0000	-8.0000	-0.0001	-0.0022	-0.0033	2.50	PASS
				0.00	0.0000	-5.0000	-5.0000	-0.0003	-0.0020	-0.0021	2.50	PASS
				10.00	2.0000	-6.0000	-7.0000	0.0011	-0.0024	-0.0028	2.50	PASS
				20.00	1.0000	-4.0000	-5.0000	0.0007	-0.0017	-0.0021	2.50	PASS
				30.00	2.0000	-3.0000	-2.0000	0.0011	-0.0015	-0.0010	2.50	PASS
				40.00	4.0000	-2.0000	-2.0000	0.0017	-0.0011	-0.0010	2.50	PASS
				50.00	3.0000	-2.0000	-1.0000	0.0012	-0.0008	-0.0007	2.50	PASS
16QAM	75	0	NV	-30.00	2.0000	4.0000	0.0000	0.0010	0.0018	-0.0001	2.50	PASS
				-20.00	4.0000	10.0000	-1.0000	0.0017	0.0041	-0.0005	2.50	PASS
				-10.00	0.0000	-10.0000	0.0000	0.0001	-0.0039	-0.0003	2.50	PASS
				0.00	0.0000	-8.0000	-15.0000	0.0002	-0.0034	-0.0058	2.50	PASS
				10.00	2.0000	-10.0000	-14.0000	0.0010	-0.0042	-0.0056	2.50	PASS
				20.00	-1.0000	-7.0000	-14.0000	-0.0007	-0.0029	-0.0054	2.50	PASS
				30.00	2.0000	-7.0000	-13.0000	0.0009	-0.0029	-0.0051	2.50	PASS
				40.00	0.0000	-9.0000	-6.0000	-0.0003	-0.0038	-0.0024	2.50	PASS
				50.00	0.0000	-7.0000	-5.0000	-0.0002	-0.0031	-0.0023	2.50	PASS

Test Band: 38 _ 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	9.0000	1.0000	11.0000	0.0035	0.0006	0.0046	2.50	PASS
				NV	5.0000	-1.0000	7.0000	0.0023	-0.0007	0.0029	2.50	PASS
				HV	6.0000	0.0000	14.0000	0.0027	-0.0001	0.0054	2.50	PASS
16QAM	100	0	NT	LV	1.0000	0.0000	1.0000	0.0006	-0.0001	0.0006	2.50	PASS
				NV	1.0000	-3.0000	0.0000	0.0004	-0.0012	0.0001	2.50	PASS
				HV	5.0000	-8.0000	1.0000	0.0022	-0.0032	0.0007	2.50	PASS

Test Band: 38 _ 20MHz Bandwidth (Frequency Error VS. Temperature)												
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Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	7.0000	0.0000	13.0000	0.0029	0.0003	0.0052	2.50	PASS
				-20.00	10.0000	2.0000	0.0000	0.0041	0.0008	0.0002	2.50	PASS
				-10.00	9.0000	4.0000	8.0000	0.0037	0.0018	0.0032	2.50	PASS
				0.00	7.0000	5.0000	6.0000	0.0030	0.0021	0.0025	2.50	PASS
				10.00	3.0000	-5.0000	8.0000	0.0013	-0.0020	0.0034	2.50	PASS
				20.00	-4.0000	-10.0000	10.0000	-0.0019	-0.0042	0.0041	2.50	PASS
				30.00	0.0000	-8.0000	10.0000	-0.0002	-0.0035	0.0040	2.50	PASS
				40.00	-1.0000	-6.0000	12.0000	-0.0007	-0.0027	0.0047	2.50	PASS
16QAM	100	0	NV	50.00	0.0000	-6.0000	9.0000	-0.0002	-0.0026	0.0035	2.50	PASS
				-30.00	10.0000	-6.0000	5.0000	0.0043	-0.0026	0.0022	2.50	PASS
				-20.00	1.0000	-5.0000	7.0000	0.0005	-0.0021	0.0029	2.50	PASS
				-10.00	-2.0000	-3.0000	10.0000	-0.0008	-0.0012	0.0038	2.50	PASS
				0.00	3.0000	0.0000	11.0000	0.0015	-0.0002	0.0043	2.50	PASS
				10.00	4.0000	-3.0000	11.0000	0.0018	-0.0012	0.0044	2.50	PASS
				20.00	4.0000	0.0000	12.0000	0.0016	0.0001	0.0046	2.50	PASS
				30.00	4.0000	-1.0000	0.0000	0.0018	-0.0007	0.0001	2.50	PASS
40.00	10.0000	2.0000	0.0000	0.0041	0.0008	0.0003	2.50	PASS				
50.00	7.0000	2.0000	3.0000	0.0028	0.0009	0.0013	2.50	PASS				

Band 40a

Test Band: 40a _ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	-7.0000	0.0000	-4.0000	-0.0035	0.0000	-0.0018	2.50	PASS
				NV	5.0000	0.0000	-4.0000	0.0023	-0.0002	-0.0021	2.50	PASS
				HV	1.0000	0.0000	-8.0000	0.0008	-0.0003	-0.0035	2.50	PASS
16QAM	25	0	NT	LV	0.0000	-9.0000	-1.0000	0.0002	-0.0042	-0.0006	2.50	PASS
				NV	-1.0000	2.0000	-3.0000	-0.0006	0.0012	-0.0015	2.50	PASS
				HV	-6.0000	1.0000	-5.0000	-0.0027	0.0009	-0.0026	2.50	PASS

Test Band: 40a _ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	1.0000	-2.0000	-9.0000	0.0007	-0.0012	-0.0039	2.50	PASS
				-20.00	-1.0000	-3.0000	-8.0000	-0.0007	-0.0015	-0.0036	2.50	PASS
				-10.00	-2.0000	-3.0000	-10.0000	-0.0009	-0.0017	-0.0043	2.50	PASS
				0.00	0.0000	-4.0000	-9.0000	-0.0002	-0.0021	-0.0042	2.50	PASS
				10.00	-1.0000	-4.0000	-5.0000	-0.0008	-0.0022	-0.0023	2.50	PASS
				20.00	-2.0000	-8.0000	-7.0000	-0.0009	-0.0037	-0.0031	2.50	PASS
				30.00	-3.0000	-7.0000	-4.0000	-0.0013	-0.0032	-0.0020	2.50	PASS
				40.00	-2.0000	-8.0000	-2.0000	-0.0012	-0.0035	-0.0009	2.50	PASS
				50.00	-6.0000	0.0000	4.0000	-0.0029	0.0004	0.0019	2.50	PASS
16QAM	25	0	NV	-30.00	-9.0000	-1.0000	-5.0000	-0.0041	-0.0005	-0.0026	2.50	PASS
				-20.00	4.0000	-3.0000	-7.0000	0.0019	-0.0017	-0.0033	2.50	PASS
				-10.00	0.0000	-5.0000	-8.0000	-0.0003	-0.0025	-0.0038	2.50	PASS
				0.00	0.0000	-7.0000	-10.0000	-0.0002	-0.0033	-0.0044	2.50	PASS
				10.00	-2.0000	5.0000	1.0000	-0.0009	0.0026	0.0008	2.50	PASS
				20.00	-3.0000	4.0000	2.0000	-0.0014	0.0018	0.0010	2.50	PASS
				30.00	-6.0000	0.0000	2.0000	-0.0030	0.0004	0.0010	2.50	PASS
				40.00	-7.0000	0.0000	0.0000	-0.0031	-0.0004	0.0002	2.50	PASS
				50.00	4.0000	-1.0000	-1.0000	0.0018	-0.0006	-0.0007	2.50	PASS

Test Band: 40a _ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	/	0.0000	/	/	0.0000	/	2.50	PASS
				NV	/	-1.0000	/	/	-0.0007	/	2.50	PASS
				HV	/	-2.0000	/	/	-0.0009	/	2.50	PASS
16QAM	50	0	NT	LV	/	9.0000	/	/	0.0039	/	2.50	PASS
				NV	/	5.0000	/	/	0.0023	/	2.50	PASS
				HV	/	-1.0000	/	/	-0.0007	/	2.50	PASS

Test Band: 40a _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	/	-2.0000	/	/	-0.0009	/	2.50	PASS
				-20.00	/	-2.0000	/	/	-0.0013	/	2.50	PASS
				-10.00	/	-3.0000	/	/	-0.0016	/	2.50	PASS
				0.00	/	-4.0000	/	/	-0.0020	/	2.50	PASS
				10.00	/	-4.0000	/	/	-0.0019	/	2.50	PASS

				20.00	/	-3.0000	/	/	-0.0017	/	2.50	PASS
				30.00	/	-4.0000	/	/	-0.0019	/	2.50	PASS
				40.00	/	-4.0000	/	/	-0.0018	/	2.50	PASS
				50.00	/	-4.0000	/	/	-0.0018	/	2.50	PASS
16QAM	50	0	NV	-30.00	/	6.0000	/	/	0.0030	/	2.50	PASS
				-20.00	/	5.0000	/	/	0.0022	/	2.50	PASS
				-10.00	/	4.0000	/	/	0.0019	/	2.50	PASS
				0.00	/	2.0000	/	/	0.0010	/	2.50	PASS
				10.00	/	2.0000	/	/	0.0010	/	2.50	PASS
				20.00	/	2.0000	/	/	0.0011	/	2.50	PASS
				30.00	/	0.0000	/	/	0.0002	/	2.50	PASS
				40.00	/	0.0000	/	/	0.0003	/	2.50	PASS
				50.00	/	0.0000	/	/	0.0000	/	2.50	PASS

Band 40b

Test Band: 40b _ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	-11.0000	-9.0000	-4.0000	-0.0049	-0.0041	-0.0020	2.50	PASS
				NV	-13.0000	-10.0000	-4.0000	-0.0058	-0.0043	-0.0018	2.50	PASS
				HV	-2.0000	-12.0000	-2.0000	-0.0012	-0.0051	-0.0010	2.50	PASS
16QAM	25	0	NT	LV	-14.0000	-3.0000	-6.0000	-0.0060	-0.0013	-0.0030	2.50	PASS
				NV	-12.0000	-3.0000	-9.0000	-0.0055	-0.0013	-0.0039	2.50	PASS
				HV	-15.0000	-2.0000	-8.0000	-0.0064	-0.0009	-0.0035	2.50	PASS

Test Band: 40b _ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	0.0000	-10.0000	-2.0000	0.0000	-0.0045	-0.0012	2.50	PASS
				-20.00	0.0000	-11.0000	-5.0000	0.0001	-0.0048	-0.0022	2.50	PASS
				-10.00	-1.0000	-10.0000	-2.0000	-0.0005	-0.0047	-0.0009	2.50	PASS
				0.00	-1.0000	-11.0000	-4.0000	-0.0006	-0.0050	-0.0019	2.50	PASS
				10.00	-1.0000	-11.0000	-1.0000	-0.0007	-0.0048	-0.0008	2.50	PASS
				20.00	-2.0000	-12.0000	-4.0000	-0.0010	-0.0052	-0.0018	2.50	PASS
				30.00	-1.0000	-12.0000	-3.0000	-0.0006	-0.0053	-0.0014	2.50	PASS
				40.00	-3.0000	-10.0000	-5.0000	-0.0013	-0.0043	-0.0022	2.50	PASS
16QAM	25	0	NV	50.00	0.0000	-12.0000	-2.0000	0.0000	-0.0053	-0.0010	2.50	PASS
				-30.00	-14.0000	-3.0000	-5.0000	-0.0064	-0.0013	-0.0025	2.50	PASS
				-20.00	-14.0000	-2.0000	-7.0000	-0.0061	-0.0011	-0.0030	2.50	PASS
				-10.00	-14.0000	0.0000	-6.0000	-0.0062	-0.0003	-0.0028	2.50	PASS
				0.00	-14.0000	-2.0000	-6.0000	-0.0063	-0.0010	-0.0026	2.50	PASS
				10.00	-13.0000	-2.0000	-6.0000	-0.0058	-0.0009	-0.0026	2.50	PASS
				20.00	-12.0000	0.0000	-5.0000	-0.0054	-0.0003	-0.0022	2.50	PASS
				30.00	-12.0000	-1.0000	-4.0000	-0.0055	-0.0006	-0.0019	2.50	PASS
16QAM	25	0	NV	40.00	-11.0000	-1.0000	-2.0000	-0.0050	-0.0007	-0.0012	2.50	PASS
				50.00	-12.0000	-1.0000	-2.0000	-0.0052	-0.0006	-0.0012	2.50	PASS

Test Band: 40b _ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	/	-7.0000	/	/	-0.0032	/	2.50	PASS
				NV	/	-9.0000	/	/	-0.0041	/	2.50	PASS
				HV	/	-9.0000	/	/	-0.0040	/	2.50	PASS
16QAM	50	0	NT	LV	/	-2.0000	/	/	-0.0011	/	2.50	PASS
				NV	/	-4.0000	/	/	-0.0019	/	2.50	PASS
				HV	/	-3.0000	/	/	-0.0016	/	2.50	PASS

Test Band: 40b _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	/	-11.0000	/	/	-0.0050	/	2.50	PASS
				-20.00	/	-12.0000	/	/	-0.0051	/	2.50	PASS
				-10.00	/	-11.0000	/	/	-0.0049	/	2.50	PASS
				0.00	/	-11.0000	/	/	-0.0050	/	2.50	PASS
				10.00	/	-11.0000	/	/	-0.0050	/	2.50	PASS

				20.00	/	-13.0000	/	/	-0.0059	/	2.50	PASS
				30.00	/	-13.0000	/	/	-0.0056	/	2.50	PASS
				40.00	/	-11.0000	/	/	-0.0050	/	2.50	PASS
				50.00	/	-5.0000	/	/	-0.0024	/	2.50	PASS
16QAM	50	0	NV	-30.00	/	-4.0000	/	/	-0.0020	/	2.50	PASS
				-20.00	/	-5.0000	/	/	-0.0022	/	2.50	PASS
				-10.00	/	-4.0000	/	/	-0.0019	/	2.50	PASS
				0.00	/	-6.0000	/	/	-0.0026	/	2.50	PASS
				10.00	/	-6.0000	/	/	-0.0029	/	2.50	PASS
				20.00	/	-6.0000	/	/	-0.0026	/	2.50	PASS
				30.00	/	-8.0000	/	/	-0.0034	/	2.50	PASS
				40.00	/	-8.0000	/	/	-0.0037	/	2.50	PASS
				50.00	/	-7.0000	/	/	-0.0033	/	2.50	PASS

Band 41b

Test Band: 41b _ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	1.0000	2.0000	-11.0000	0.0007	0.0010	-0.0045	2.50	PASS
				NV	1.0000	0.0000	0.0000	0.0007	-0.0003	0.0002	2.50	PASS
				HV	0.0000	1.0000	3.0000	0.0002	0.0008	0.0012	2.50	PASS
16QAM	25	0	NT	LV	0.0000	11.0000	-4.0000	-0.0002	0.0044	-0.0016	2.50	PASS
				NV	-4.0000	11.0000	-11.0000	-0.0018	0.0045	-0.0044	2.50	PASS
				HV	-7.0000	10.0000	-11.0000	-0.0030	0.0039	-0.0043	2.50	PASS

Test Band: 41b _ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	4.0000	0.0000	-12.0000	0.0016	0.0001	-0.0046	2.50	PASS
				-20.00	-1.0000	0.0000	-12.0000	-0.0007	0.0000	-0.0047	2.50	PASS
				-10.00	0.0000	0.0000	-10.0000	0.0003	0.0000	-0.0039	2.50	PASS
				0.00	4.0000	0.0000	-6.0000	0.0018	-0.0001	-0.0024	2.50	PASS
				10.00	-2.0000	1.0000	-11.0000	-0.0010	0.0004	-0.0042	2.50	PASS
				20.00	-3.0000	0.0000	-8.0000	-0.0014	0.0002	-0.0033	2.50	PASS
				30.00	-2.0000	3.0000	-6.0000	-0.0011	0.0012	-0.0023	2.50	PASS
				40.00	0.0000	3.0000	-4.0000	0.0003	0.0013	-0.0018	2.50	PASS
16QAM	25	0	NV	50.00	3.0000	1.0000	-4.0000	0.0012	0.0006	-0.0017	2.50	PASS
				-30.00	7.0000	10.0000	-11.0000	0.0031	0.0040	-0.0042	2.50	PASS
				-20.00	18.0000	9.0000	-10.0000	0.0073	0.0037	-0.0039	2.50	PASS
				-10.00	2.0000	14.0000	-8.0000	0.0010	0.0054	-0.0031	2.50	PASS
				0.00	0.0000	6.0000	0.0000	0.0003	0.0027	-0.0001	2.50	PASS
				10.00	-1.0000	10.0000	-6.0000	-0.0008	0.0039	-0.0024	2.50	PASS
				20.00	-2.0000	13.0000	-5.0000	-0.0008	0.0052	-0.0020	2.50	PASS
				30.00	-3.0000	9.0000	-4.0000	-0.0012	0.0037	-0.0017	2.50	PASS
16QAM	25	0	NV	40.00	-2.0000	21.0000	-2.0000	-0.0009	0.0081	-0.0009	2.50	PASS
				50.00	-5.0000	10.0000	-1.0000	-0.0020	0.0039	-0.0007	2.50	PASS

Test Band: 41b _ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	1.0000	8.0000	0.0000	0.0007	0.0034	0.0000	2.50	PASS
				NV	0.0000	6.0000	17.0000	-0.0003	0.0025	0.0067	2.50	PASS
				HV	-2.0000	7.0000	14.0000	-0.0008	0.0028	0.0056	2.50	PASS
16QAM	50	0	NT	LV	19.0000	0.0000	6.0000	0.0077	-0.0001	0.0026	2.50	PASS
				NV	14.0000	-1.0000	6.0000	0.0055	-0.0006	0.0025	2.50	PASS
				HV	9.0000	-2.0000	4.0000	0.0038	-0.0011	0.0016	2.50	PASS

Test Band: 41b _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	-2.0000	12.0000	-1.0000	-0.0011	0.0049	-0.0008	2.50	PASS
				-20.00	0.0000	10.0000	0.0000	0.0002	0.0039	0.0001	2.50	PASS
				-10.00	0.0000	6.0000	5.0000	-0.0003	0.0026	0.0022	2.50	PASS
				0.00	1.0000	9.0000	10.0000	0.0006	0.0037	0.0040	2.50	PASS
				10.00	3.0000	10.0000	9.0000	0.0014	0.0041	0.0037	2.50	PASS
				20.00	2.0000	11.0000	12.0000	0.0010	0.0045	0.0047	2.50	PASS
				30.00	4.0000	14.0000	17.0000	0.0016	0.0054	0.0066	2.50	PASS
				40.00	4.0000	14.0000	7.0000	0.0018	0.0056	0.0027	2.50	PASS

16QAM	50	0	NV	50.00	2.0000	13.0000	2.0000	0.0010	0.0051	0.0010	2.50	PASS
				-30.00	10.0000	2.0000	1.0000	0.0040	0.0008	0.0007	2.50	PASS
				-20.00	11.0000	0.0000	10.0000	0.0046	-0.0001	0.0039	2.50	PASS
				-10.00	12.0000	4.0000	5.0000	0.0048	0.0018	0.0022	2.50	PASS
				0.00	13.0000	0.0000	8.0000	0.0052	0.0000	0.0031	2.50	PASS
				10.00	12.0000	0.0000	9.0000	0.0050	0.0001	0.0035	2.50	PASS
				20.00	13.0000	0.0000	9.0000	0.0052	-0.0002	0.0037	2.50	PASS
				30.00	13.0000	0.0000	14.0000	0.0054	-0.0001	0.0056	2.50	PASS
				40.00	13.0000	0.0000	7.0000	0.0055	0.0000	0.0027	2.50	PASS
50.00	11.0000	1.0000	0.0000	0.0045	0.0007	-0.0003	2.50	PASS				

Test Band: 41b _ 15MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NT	LV	-3.0000	0.0000	0.0000	-0.0015	0.0003	0.0001	2.50	PASS
				NV	-6.0000	14.0000	2.0000	-0.0025	0.0056	0.0011	2.50	PASS
				HV	-3.0000	15.0000	0.0000	-0.0014	0.0059	0.0001	2.50	PASS
16QAM	75	0	NT	LV	-10.0000	14.0000	7.0000	-0.0039	0.0055	0.0028	2.50	PASS
				NV	2.0000	14.0000	5.0000	0.0008	0.0056	0.0020	2.50	PASS
				HV	-7.0000	0.0000	-3.0000	-0.0027	-0.0002	-0.0012	2.50	PASS

Test Band: 41b _ 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NV	-30.00	1.0000	7.0000	0.0000	0.0005	0.0028	0.0003	2.50	PASS
				-20.00	-5.0000	0.0000	5.0000	-0.0020	0.0003	0.0020	2.50	PASS
				-10.00	-7.0000	6.0000	0.0000	-0.0030	0.0024	0.0000	2.50	PASS
				0.00	-2.0000	2.0000	1.0000	-0.0009	0.0010	0.0006	2.50	PASS
				10.00	0.0000	5.0000	6.0000	-0.0001	0.0020	0.0024	2.50	PASS
				20.00	2.0000	6.0000	9.0000	0.0012	0.0027	0.0035	2.50	PASS
				30.00	-9.0000	13.0000	-3.0000	-0.0037	0.0054	-0.0015	2.50	PASS
				40.00	-11.0000	11.0000	1.0000	-0.0045	0.0045	0.0006	2.50	PASS
				50.00	-8.0000	17.0000	5.0000	-0.0031	0.0069	0.0020	2.50	PASS
16QAM	75	0	NV	-30.00	-8.0000	6.0000	0.0000	-0.0034	0.0026	-0.0001	2.50	PASS
				-20.00	-3.0000	3.0000	3.0000	-0.0012	0.0015	0.0013	2.50	PASS
				-10.00	1.0000	5.0000	7.0000	0.0006	0.0021	0.0028	2.50	PASS
				0.00	-11.0000	7.0000	1.0000	-0.0047	0.0029	0.0007	2.50	PASS
				10.00	-7.0000	9.0000	-4.0000	-0.0028	0.0035	-0.0016	2.50	PASS
				20.00	-3.0000	12.0000	2.0000	-0.0012	0.0046	0.0009	2.50	PASS
				30.00	0.0000	19.0000	11.0000	-0.0001	0.0073	0.0043	2.50	PASS
				40.00	14.0000	0.0000	8.0000	0.0056	0.0002	0.0034	2.50	PASS
				50.00	-11.0000	4.0000	-1.0000	-0.0044	0.0019	-0.0006	2.50	PASS

Test Band: 41b _ 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	-3.0000	0.0000	-7.0000	-0.0012	-0.0001	-0.0028	2.50	PASS
				NV	-3.0000	12.0000	-4.0000	-0.0015	0.0049	-0.0015	2.50	PASS
				HV	5.0000	13.0000	0.0000	0.0023	0.0052	0.0002	2.50	PASS
16QAM	100	0	NT	LV	5.0000	2.0000	-9.0000	0.0021	0.0010	-0.0037	2.50	PASS
				NV	8.0000	2.0000	-11.0000	0.0034	0.0008	-0.0042	2.50	PASS
				HV	-1.0000	15.0000	-4.0000	-0.0006	0.0059	-0.0018	2.50	PASS

Test Band: 41b _ 20MHz Bandwidth (Frequency Error VS. Temperature)												
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Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	1.0000	12.0000	-6.0000	0.0005	0.0048	-0.0025	2.50	PASS
				-20.00	1.0000	12.0000	-3.0000	0.0005	0.0047	-0.0012	2.50	PASS
				-10.00	3.0000	14.0000	-3.0000	0.0015	0.0055	-0.0015	2.50	PASS
				0.00	5.0000	14.0000	-8.0000	0.0021	0.0055	-0.0030	2.50	PASS
				10.00	-7.0000	14.0000	-1.0000	-0.0031	0.0055	-0.0007	2.50	PASS
				20.00	0.0000	0.0000	-2.0000	0.0004	-0.0003	-0.0011	2.50	PASS
				30.00	0.0000	3.0000	-10.0000	0.0003	0.0012	-0.0038	2.50	PASS
				40.00	5.0000	1.0000	2.0000	0.0020	0.0008	0.0008	2.50	PASS
16QAM	100	0	NV	50.00	8.0000	1.0000	-9.0000	0.0033	0.0005	-0.0036	2.50	PASS
				-30.00	-2.0000	4.0000	2.0000	-0.0008	0.0018	0.0009	2.50	PASS
				-20.00	0.0000	17.0000	-10.0000	0.0002	0.0066	-0.0038	2.50	PASS
				-10.00	3.0000	8.0000	-6.0000	0.0012	0.0031	-0.0023	2.50	PASS
				0.00	1.0000	10.0000	0.0000	0.0004	0.0040	-0.0001	2.50	PASS
				10.00	3.0000	21.0000	1.0000	0.0014	0.0084	0.0006	2.50	PASS
				20.00	2.0000	13.0000	-12.0000	0.0008	0.0052	-0.0046	2.50	PASS
				30.00	0.0000	9.0000	-9.0000	-0.0002	0.0038	-0.0035	2.50	PASS
40.00	3.0000	0.0000	5.0000	0.0012	0.0004	0.0022	2.50	PASS				
50.00	4.0000	16.0000	-2.0000	0.0017	0.0062	-0.0009	2.50	PASS				

Band 41c

Test Band: 41c _ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	-12.0000	2.0000	-6.0000	-0.0049	0.0008	-0.0023	2.50	PASS
				NV	-2.0000	-5.0000	-1.0000	-0.0011	-0.0019	-0.0004	2.50	PASS
				HV	0.0000	-7.0000	3.0000	0.0001	-0.0030	0.0012	2.50	PASS
16QAM	25	0	NT	LV	-10.0000	-5.0000	0.0000	-0.0040	-0.0023	0.0004	2.50	PASS
				NV	-3.0000	-13.0000	-2.0000	-0.0014	-0.0052	-0.0009	2.50	PASS
				HV	-11.0000	-1.0000	-9.0000	-0.0046	-0.0005	-0.0037	2.50	PASS

Test Band: 41c _ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	-1.0000	-9.0000	-10.0000	-0.0005	-0.0037	-0.0040	2.50	PASS
				-20.00	0.0000	-12.0000	-10.0000	0.0002	-0.0048	-0.0039	2.50	PASS
				-10.00	1.0000	4.0000	-6.0000	0.0004	0.0016	-0.0024	2.50	PASS
				0.00	0.0000	8.0000	-4.0000	0.0001	0.0033	-0.0019	2.50	PASS
				10.00	-13.0000	1.0000	-1.0000	-0.0052	0.0004	-0.0006	2.50	PASS
				20.00	-13.0000	1.0000	1.0000	-0.0055	0.0006	0.0005	2.50	PASS
				30.00	-13.0000	-1.0000	3.0000	-0.0054	-0.0004	0.0012	2.50	PASS
				40.00	-13.0000	0.0000	-5.0000	-0.0053	0.0001	-0.0019	2.50	PASS
16QAM	25	0	NV	50.00	-12.0000	-6.0000	-7.0000	-0.0049	-0.0024	-0.0030	2.50	PASS
				-30.00	-1.0000	-7.0000	-8.0000	-0.0004	-0.0028	-0.0030	2.50	PASS
				-20.00	-5.0000	-6.0000	-6.0000	-0.0023	-0.0025	-0.0023	2.50	PASS
				-10.00	-12.0000	1.0000	-2.0000	-0.0048	0.0006	-0.0008	2.50	PASS
				0.00	-12.0000	-4.0000	-1.0000	-0.0050	-0.0018	-0.0005	2.50	PASS
				10.00	1.0000	-8.0000	-1.0000	0.0007	-0.0033	-0.0004	2.50	PASS
				20.00	-1.0000	-10.0000	0.0000	-0.0008	-0.0042	0.0001	2.50	PASS
				30.00	-3.0000	5.0000	0.0000	-0.0015	0.0020	0.0002	2.50	PASS
40.00	-8.0000	-1.0000	1.0000	-0.0035	-0.0005	0.0004	2.50	PASS				
50.00	-11.0000	-6.0000	3.0000	-0.0044	-0.0024	0.0013	2.50	PASS				

Test Band: 41c _ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	-4.0000	-6.0000	0.0000	-0.0016	-0.0024	0.0001	2.50	PASS
				NV	-2.0000	-8.0000	13.0000	-0.0010	-0.0035	0.0053	2.50	PASS
				HV	-6.0000	-10.0000	2.0000	-0.0024	-0.0040	0.0011	2.50	PASS
16QAM	50	0	NT	LV	2.0000	0.0000	0.0000	0.0010	-0.0004	0.0001	2.50	PASS
				NV	0.0000	2.0000	22.0000	0.0000	0.0011	0.0083	2.50	PASS
				HV	1.0000	-3.0000	-2.0000	0.0005	-0.0012	-0.0009	2.50	PASS

Test Band: 41c _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	-9.0000	-9.0000	3.0000	-0.0036	-0.0035	0.0013	2.50	PASS
				-20.00	-5.0000	-11.0000	12.0000	-0.0022	-0.0044	0.0049	2.50	PASS
				-10.00	-4.0000	-9.0000	13.0000	-0.0016	-0.0038	0.0052	2.50	PASS
				0.00	-3.0000	-5.0000	1.0000	-0.0015	-0.0022	0.0007	2.50	PASS
				10.00	-1.0000	-6.0000	6.0000	-0.0004	-0.0024	0.0024	2.50	PASS
				20.00	0.0000	-9.0000	9.0000	-0.0003	-0.0038	0.0035	2.50	PASS
				30.00	2.0000	-8.0000	13.0000	0.0008	-0.0033	0.0051	2.50	PASS
				40.00	0.0000	-8.0000	0.0000	0.0003	-0.0034	-0.0003	2.50	PASS
16QAM	50	0	NV	-30.00	5.0000	-4.0000	3.0000	0.0022	-0.0016	0.0014	2.50	PASS
				-20.00	4.0000	-4.0000	12.0000	0.0016	-0.0019	0.0046	2.50	PASS
				-10.00	7.0000	-7.0000	7.0000	0.0030	-0.0027	0.0029	2.50	PASS
				0.00	4.0000	-6.0000	10.0000	0.0019	-0.0026	0.0039	2.50	PASS
				10.00	11.0000	-7.0000	28.0000	0.0047	-0.0029	0.0109	2.50	PASS
				20.00	7.0000	-6.0000	1.0000	0.0029	-0.0024	0.0007	2.50	PASS
				30.00	13.0000	0.0000	3.0000	0.0054	0.0004	0.0012	2.50	PASS
				40.00	7.0000	-7.0000	3.0000	0.0028	-0.0030	0.0014	2.50	PASS
			50.00	5.0000	-8.0000	5.0000	0.0021	-0.0031	0.0021	2.50	PASS	

Test Band: 41c _ 15MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NT	LV	13.0000	-2.0000	1.0000	0.0054	-0.0011	0.0005	2.50	PASS
				NV	9.0000	-10.0000	0.0000	0.0035	-0.0039	0.0000	2.50	PASS
				HV	10.0000	-10.0000	9.0000	0.0042	-0.0039	0.0035	2.50	PASS
16QAM	75	0	NT	LV	9.0000	2.0000	-7.0000	0.0039	0.0009	-0.0028	2.50	PASS
				NV	13.0000	-2.0000	-7.0000	0.0054	-0.0009	-0.0028	2.50	PASS
				HV	0.0000	0.0000	-1.0000	-0.0002	0.0003	-0.0004	2.50	PASS

Test Band: 41c _ 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NV	-30.00	10.0000	-10.0000	0.0000	0.0042	-0.0042	-0.0003	2.50	PASS
				-20.00	5.0000	-8.0000	1.0000	0.0022	-0.0032	0.0007	2.50	PASS
				-10.00	0.0000	-7.0000	0.0000	0.0001	-0.0027	0.0002	2.50	PASS
				0.00	5.0000	-2.0000	0.0000	0.0020	-0.0011	0.0001	2.50	PASS
				10.00	5.0000	-2.0000	11.0000	0.0023	-0.0010	0.0043	2.50	PASS
				20.00	8.0000	-1.0000	-7.0000	0.0032	-0.0004	-0.0027	2.50	PASS
				30.00	11.0000	0.0000	5.0000	0.0046	0.0003	0.0022	2.50	PASS
				40.00	11.0000	5.0000	4.0000	0.0046	0.0020	0.0017	2.50	PASS
16QAM	75	0	NV	50.00	16.0000	-8.0000	6.0000	0.0063	-0.0034	0.0024	2.50	PASS
				-30.00	4.0000	5.0000	9.0000	0.0020	0.0021	0.0034	2.50	PASS

				-20.00	9.0000	-11.0000	5.0000	0.0039	-0.0043	0.0019	2.50	PASS
				-10.00	10.0000	-11.0000	2.0000	0.0043	-0.0043	0.0009	2.50	PASS
				0.00	12.0000	-8.0000	6.0000	0.0050	-0.0032	0.0025	2.50	PASS
				10.00	0.0000	-7.0000	-2.0000	-0.0003	-0.0028	-0.0011	2.50	PASS
				20.00	0.0000	-7.0000	4.0000	0.0000	-0.0029	0.0016	2.50	PASS
				30.00	6.0000	4.0000	4.0000	0.0027	0.0016	0.0016	2.50	PASS
				40.00	1.0000	6.0000	6.0000	0.0007	0.0023	0.0026	2.50	PASS
				50.00	10.0000	2.0000	7.0000	0.0040	0.0008	0.0027	2.50	PASS

Test Band: 41c _ 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	-2.0000	-2.0000	0.0000	-0.0009	-0.0009	-0.0002	2.50	PASS
				NV	-2.0000	-10.0000	-3.0000	-0.0010	-0.0039	-0.0012	2.50	PASS
				HV	-3.0000	-8.0000	-12.0000	-0.0013	-0.0033	-0.0046	2.50	PASS
16QAM	100	0	NT	LV	-11.0000	12.0000	-3.0000	-0.0045	0.0050	-0.0012	2.50	PASS
				NV	-1.0000	-3.0000	-5.0000	-0.0007	-0.0012	-0.0020	2.50	PASS
				HV	0.0000	-3.0000	0.0000	-0.0002	-0.0015	0.0002	2.50	PASS

Test Band: 41c _ 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	1.0000	-6.0000	5.0000	0.0006	-0.0025	0.0023	2.50	PASS
				-20.00	3.0000	-6.0000	-9.0000	0.0014	-0.0025	-0.0035	2.50	PASS
				-10.00	-14.0000	-5.0000	0.0000	-0.0056	-0.0020	0.0003	2.50	PASS
				0.00	-10.0000	-1.0000	-11.0000	-0.0039	-0.0007	-0.0044	2.50	PASS
				10.00	-9.0000	0.0000	-1.0000	-0.0038	0.0000	-0.0007	2.50	PASS
				20.00	-5.0000	2.0000	-3.0000	-0.0022	0.0008	-0.0013	2.50	PASS
				30.00	-3.0000	3.0000	-5.0000	-0.0013	0.0015	-0.0019	2.50	PASS
				40.00	-2.0000	8.0000	-4.0000	-0.0010	0.0033	-0.0018	2.50	PASS
				50.00	2.0000	-2.0000	6.0000	0.0008	-0.0010	0.0024	2.50	PASS
16QAM	100	0	NV	-30.00	8.0000	-4.0000	0.0000	0.0035	-0.0018	0.0003	2.50	PASS
				-20.00	-1.0000	-6.0000	-5.0000	-0.0007	-0.0026	-0.0020	2.50	PASS
				-10.00	-1.0000	-9.0000	-3.0000	-0.0006	-0.0035	-0.0014	2.50	PASS
				0.00	5.0000	3.0000	0.0000	0.0022	0.0015	0.0003	2.50	PASS
				10.00	-4.0000	-10.0000	-10.0000	-0.0017	-0.0042	-0.0040	2.50	PASS
				20.00	-6.0000	-11.0000	-6.0000	-0.0024	-0.0045	-0.0026	2.50	PASS
				30.00	-6.0000	-8.0000	-4.0000	-0.0025	-0.0034	-0.0016	2.50	PASS
				40.00	-6.0000	-15.0000	-2.0000	-0.0026	-0.0058	-0.0011	2.50	PASS
				50.00	-1.0000	-9.0000	0.0000	-0.0005	-0.0038	0.0000	2.50	PASS