

2. Frequency stability

2.1 Test Result

Test Band: 41 _ 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	5	3	-12	0.0020	0.0012	-0.0045	2.50	PASS
				NV	4	7	-5	0.0016	0.0027	-0.0019	2.50	PASS
				HV	-16	5	5	-0.0064	0.0019	0.0019	2.50	PASS
16QAM	25	0	NT	LV	7	1	4	0.0028	0.0004	0.0015	2.50	PASS
				NV	-12	-3	-8	-0.0048	-0.0012	-0.0030	2.50	PASS
				HV	-2	-9	7	-0.0008	-0.0035	0.0026	2.50	PASS
64QAM	25	0	NT	LV	-12	5	10	-0.0048	0.0019	0.0037	2.50	PASS
				NV	-13	7	0	-0.0052	0.0027	0.0000	2.50	PASS
				HV	2	-11	-4	0.0008	-0.0042	-0.0015	2.50	PASS

Test Band: 41 _ 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	-6	0	-0.0016	-0.0023	0.0000	2.50	PASS
				-20.00	1	1	-7	0.0004	0.0004	-0.0026	2.50	PASS
				-10.00	2	5	12	0.0008	0.0019	0.0045	2.50	PASS
				0.00	7	-12	5	0.0028	-0.0046	0.0019	2.50	PASS
				10.00	13	-1	6	0.0052	-0.0004	0.0022	2.50	PASS
				20.00	-3	-1	5	-0.0012	-0.0004	0.0019	2.50	PASS
				30.00	7	-4	2	0.0028	-0.0015	0.0007	2.50	PASS
				40.00	-14	-2	-3	-0.0056	-0.0008	-0.0011	2.50	PASS
				50.00	9	-3	-2	0.0036	-0.0012	-0.0007	2.50	PASS
16QAM	25	0	NV	-30.00	-3	-13	-1	-0.0012	-0.0050	-0.0004	2.50	PASS
				-20.00	-1	-6	-7	-0.0004	-0.0023	-0.0026	2.50	PASS
				-10.00	-10	6	-4	-0.0040	0.0023	-0.0015	2.50	PASS
				0.00	-1	-5	5	-0.0004	-0.0019	0.0019	2.50	PASS
				10.00	-10	3	2	-0.0040	0.0012	0.0007	2.50	PASS
				20.00	-10	4	-5	-0.0040	0.0015	-0.0019	2.50	PASS
				30.00	-2	2	-10	-0.0008	0.0008	-0.0037	2.50	PASS
				40.00	0	0	-1	0.0000	0.0000	-0.0004	2.50	PASS
				50.00	1	4	-5	0.0004	0.0015	-0.0019	2.50	PASS
64QAM	25	0	NV	-30.00	8	13	9	0.0032	0.0050	0.0033	2.50	PASS
				-20.00	10	-9	-1	0.0040	-0.0035	-0.0004	2.50	PASS
				-10.00	-7	-3	3	-0.0028	-0.0012	0.0011	2.50	PASS
				0.00	6	-8	-4	0.0024	-0.0031	-0.0015	2.50	PASS
				10.00	9	-8	6	0.0036	-0.0031	0.0022	2.50	PASS
				20.00	13	0	13	0.0052	0.0000	0.0048	2.50	PASS
				30.00	-3	-13	13	-0.0012	-0.0050	0.0048	2.50	PASS
				40.00	-14	-1	0	-0.0056	-0.0004	0.0000	2.50	PASS
				50.00	-10	-6	11	-0.0040	-0.0023	0.0041	2.50	PASS

Test Band: 41 _ 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	4	-2	0.0004	0.0015	-0.0007	2.50	PASS
				NV	6	-1	15	0.0024	-0.0004	0.0056	2.50	PASS
				HV	13	5	5	0.0052	0.0019	0.0019	2.50	PASS
16QAM	50	0	NT	LV	-5	13	7	-0.0020	0.0050	0.0026	2.50	PASS
				NV	-3	3	14	-0.0012	0.0012	0.0052	2.50	PASS
				HV	14	11	-14	0.0056	0.0042	-0.0052	2.50	PASS
64QAM	50	0	NT	LV	4	-1	-1	0.0016	-0.0004	-0.0004	2.50	PASS
				NV	-11	0	-7	-0.0044	0.0000	-0.0026	2.50	PASS
				HV	8	-1	-2	0.0032	-0.0004	-0.0007	2.50	PASS

Test Band: 41 _ 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	-13	3	14	-0.0052	0.0012	0.0052	2.50	PASS
				-20.00	4	0	-10	0.0016	0.0000	-0.0037	2.50	PASS
				-10.00	-13	-5	-8	-0.0052	-0.0019	-0.0030	2.50	PASS
				0.00	9	-10	2	0.0036	-0.0039	0.0007	2.50	PASS
				10.00	9	3	13	0.0036	0.0012	0.0048	2.50	PASS
				20.00	-15	0	-11	-0.0060	0.0000	-0.0041	2.50	PASS
				30.00	-5	13	4	-0.0020	0.0050	0.0015	2.50	PASS
				40.00	-2	5	-15	-0.0008	0.0019	-0.0056	2.50	PASS
16QAM	50	0	NV	50.00	2	5	12	0.0008	0.0019	0.0045	2.50	PASS
				-30.00	3	0	-4	0.0012	0.0000	-0.0015	2.50	PASS
				-20.00	7	-16	-1	0.0028	-0.0062	-0.0004	2.50	PASS
				-10.00	-3	11	1	-0.0012	0.0042	0.0004	2.50	PASS
				0.00	-4	2	-7	-0.0016	0.0008	-0.0026	2.50	PASS
				10.00	-12	9	0	-0.0048	0.0035	0.0000	2.50	PASS
				20.00	-8	8	-7	-0.0032	0.0031	-0.0026	2.50	PASS
				30.00	-10	-8	12	-0.0040	-0.0031	0.0045	2.50	PASS
64QAM	50	0	NV	40.00	-3	-1	-1	-0.0012	-0.0004	-0.0004	2.50	PASS
				50.00	-13	2	-7	-0.0052	0.0008	-0.0026	2.50	PASS
				-30.00	-8	7	-3	-0.0032	0.0027	-0.0011	2.50	PASS
				-20.00	7	9	-6	0.0028	0.0035	-0.0022	2.50	PASS
				-10.00	-6	-1	-3	-0.0024	-0.0004	-0.0011	2.50	PASS
				0.00	-4	1	3	-0.0016	0.0004	0.0011	2.50	PASS
				10.00	5	2	-15	0.0020	0.0008	-0.0056	2.50	PASS
				20.00	-11	-5	0	-0.0044	-0.0019	0.0000	2.50	PASS
64QAM	50	0	NV	30.00	0	-9	-5	0.0000	-0.0035	-0.0019	2.50	PASS
				40.00	-9	9	-13	-0.0036	0.0035	-0.0048	2.50	PASS
				50.00	-7	-1	7	-0.0028	-0.0004	0.0026	2.50	PASS

Test Band: 41 _ 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	11	-14	-14	0.0044	-0.0054	-0.0052	2.50	PASS
				NV	15	-10	5	0.0060	-0.0039	0.0019	2.50	PASS
				HV	10	4	3	0.0040	0.0015	0.0011	2.50	PASS
16QAM	75	0	NT	LV	7	-4	0	0.0028	-0.0015	0.0000	2.50	PASS
				NV	5	-13	-3	0.0020	-0.0050	-0.0011	2.50	PASS
				HV	3	3	11	0.0012	0.0012	0.0041	2.50	PASS
64QAM	75	0	NT	LV	1	-2	-5	0.0004	-0.0008	-0.0019	2.50	PASS
				NV	9	13	2	0.0036	0.0050	0.0007	2.50	PASS
				HV	-11	-3	-11	-0.0044	-0.0012	-0.0041	2.50	PASS

Test Band: 41 _ 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	-6	2	-0.0040	-0.0023	0.0007	2.50	PASS
				-20.00	-4	6	3	-0.0016	0.0023	0.0011	2.50	PASS
				-10.00	2	-5	0	0.0008	-0.0019	0.0000	2.50	PASS
				0.00	1	8	-2	0.0004	0.0031	-0.0007	2.50	PASS
				10.00	-3	-16	13	-0.0012	-0.0062	0.0048	2.50	PASS
				20.00	13	-1	6	0.0052	-0.0004	0.0022	2.50	PASS
				30.00	13	-13	-9	0.0052	-0.0050	-0.0034	2.50	PASS
				40.00	-13	0	2	-0.0052	0.0000	0.0007	2.50	PASS
16QAM	75	0	NV	50.00	3	-8	-6	0.0012	-0.0031	-0.0022	2.50	PASS
				-30.00	6	10	3	0.0024	0.0039	0.0011	2.50	PASS
				-20.00	8	1	7	0.0032	0.0004	0.0026	2.50	PASS
				-10.00	-2	-14	-13	-0.0008	-0.0054	-0.0048	2.50	PASS
				0.00	10	-11	5	0.0040	-0.0042	0.0019	2.50	PASS
				10.00	9	-11	10	0.0036	-0.0042	0.0037	2.50	PASS
				20.00	11	-4	0	0.0044	-0.0015	0.0000	2.50	PASS
				30.00	-2	-2	-4	-0.0008	-0.0008	-0.0015	2.50	PASS
64QAM	75	0	NV	40.00	-4	3	-10	-0.0016	0.0012	-0.0037	2.50	PASS
				50.00	2	-5	9	0.0008	-0.0019	0.0034	2.50	PASS
				-30.00	-18	6	5	-0.0072	0.0023	0.0019	2.50	PASS
				-20.00	0	6	7	0.0000	0.0023	0.0026	2.50	PASS
				-10.00	1	-6	-7	0.0004	-0.0023	-0.0026	2.50	PASS
				0.00	11	13	-1	0.0044	0.0050	-0.0004	2.50	PASS
				10.00	-12	-2	1	-0.0048	-0.0008	0.0004	2.50	PASS
				20.00	-1	-1	4	-0.0004	-0.0004	0.0015	2.50	PASS
30.00	3	-3	-10	0.0012	-0.0012	-0.0037	2.50	PASS				
40.00	2	1	4	0.0008	0.0004	0.0015	2.50	PASS				
50.00	1	10	3	0.0004	0.0039	0.0011	2.50	PASS				

Test Band: 41 _ 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	-11	-15	4	-0.0044	-0.0058	0.0015	2.50	PASS
				NV	-5	-15	-4	-0.0020	-0.0058	-0.0015	2.50	PASS
				HV	-8	-12	0	-0.0032	-0.0046	0.0000	2.50	PASS
16QAM	100	0	NT	LV	-7	-11	-13	-0.0028	-0.0042	-0.0049	2.50	PASS
				NV	-2	-1	-7	-0.0008	-0.0004	-0.0026	2.50	PASS
				HV	-9	-5	0	-0.0036	-0.0019	0.0000	2.50	PASS
64QAM	100	0	NT	LV	-8	-6	-2	-0.0032	-0.0023	-0.0007	2.50	PASS
				NV	2	12	7	0.0008	0.0046	0.0026	2.50	PASS
				HV	-12	9	-6	-0.0048	0.0035	-0.0022	2.50	PASS

Test Band: 41 _ 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	-8	14	-6	-0.0032	0.0054	-0.0022	2.50	PASS
				-20.00	-7	4	2	-0.0028	0.0015	0.0007	2.50	PASS
				-10.00	-10	3	13	-0.0040	0.0012	0.0049	2.50	PASS
				0.00	-1	6	6	-0.0004	0.0023	0.0022	2.50	PASS
				10.00	-11	7	2	-0.0044	0.0027	0.0007	2.50	PASS
				20.00	2	-15	-5	0.0008	-0.0058	-0.0019	2.50	PASS
				30.00	6	-2	0	0.0024	-0.0008	0.0000	2.50	PASS
				40.00	2	-14	-4	0.0008	-0.0054	-0.0015	2.50	PASS
16QAM	100	0	NV	50.00	-3	-6	-2	-0.0012	-0.0023	-0.0007	2.50	PASS
				-30.00	-3	-6	8	-0.0012	-0.0023	0.0030	2.50	PASS
				-20.00	2	7	-4	0.0008	0.0027	-0.0015	2.50	PASS
				-10.00	10	-2	3	0.0040	-0.0008	0.0011	2.50	PASS
				0.00	10	8	8	0.0040	0.0031	0.0030	2.50	PASS
				10.00	5	3	14	0.0020	0.0012	0.0052	2.50	PASS
				20.00	-11	1	2	-0.0044	0.0004	0.0007	2.50	PASS
				30.00	-15	-8	1	-0.0060	-0.0031	0.0004	2.50	PASS
64QAM	100	0	NV	40.00	-11	7	7	-0.0044	0.0027	0.0026	2.50	PASS
				50.00	2	0	-8	0.0008	0.0000	-0.0030	2.50	PASS
				-30.00	-11	-5	12	-0.0044	-0.0019	0.0045	2.50	PASS
				-20.00	4	-16	0	0.0016	-0.0062	0.0000	2.50	PASS
				-10.00	17	0	1	0.0068	0.0000	0.0004	2.50	PASS
				0.00	3	-1	8	0.0012	-0.0004	0.0030	2.50	PASS
				10.00	-2	-2	-8	-0.0008	-0.0008	-0.0030	2.50	PASS
				20.00	6	-19	3	0.0024	-0.0073	0.0011	2.50	PASS
30.00	2	2	-2	0.0008	0.0008	-0.0007	2.50	PASS				
40.00	14	-1	5	0.0056	-0.0004	0.0019	2.50	PASS				
50.00	-5	15	15	-0.0020	0.0058	0.0056	2.50	PASS				

Test Band: 48 _ 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	-8	5	-1	-0.0023	0.0019	-0.0003	2.50	PASS
				NV	8	0	3	0.0023	0.0000	0.0008	2.50	PASS
				HV	-12	11	-11	-0.0034	0.0042	-0.0030	2.50	PASS
16QAM	25	0	NT	LV	-7	-8	3	-0.0020	-0.0031	0.0008	2.50	PASS
				NV	14	5	-9	0.0039	0.0019	-0.0024	2.50	PASS
				HV	0	1	11	0.0000	0.0004	0.0030	2.50	PASS
64QAM	25	0	NT	LV	-7	-3	19	-0.0020	-0.0012	0.0051	2.50	PASS
				NV	-1	4	-2	-0.0003	0.0015	-0.0005	2.50	PASS
				HV	7	-8	2	0.0020	-0.0031	0.0005	2.50	PASS

Test Band: 48 _ 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	-4	4	-0.0011	-0.0015	0.0011	2.50	PASS
				-20.00	7	16	13	0.0020	0.0062	0.0035	2.50	PASS
				-10.00	4	12	-2	0.0011	0.0046	-0.0005	2.50	PASS
				0.00	-9	9	2	-0.0025	0.0035	0.0005	2.50	PASS
				10.00	-6	-7	-12	-0.0017	-0.0027	-0.0032	2.50	PASS
				20.00	9	5	-5	0.0025	0.0019	-0.0014	2.50	PASS
				30.00	-8	-2	9	-0.0023	-0.0008	0.0024	2.50	PASS
				40.00	-8	5	3	-0.0023	0.0019	0.0008	2.50	PASS
				50.00	5	3	7	0.0014	0.0012	0.0019	2.50	PASS
16QAM	25	0	NV	-30.00	-13	-1	5	-0.0037	-0.0004	0.0014	2.50	PASS
				-20.00	1	-14	6	0.0003	-0.0054	0.0016	2.50	PASS
				-10.00	11	-1	1	0.0031	-0.0004	0.0003	2.50	PASS
				0.00	-8	-14	-13	-0.0023	-0.0054	-0.0035	2.50	PASS
				10.00	11	1	1	0.0031	0.0004	0.0003	2.50	PASS
				20.00	-12	5	4	-0.0034	0.0019	0.0011	2.50	PASS
				30.00	4	17	4	0.0011	0.0066	0.0011	2.50	PASS
				40.00	3	-3	7	0.0008	-0.0012	0.0019	2.50	PASS
				50.00	15	-1	-4	0.0042	-0.0004	-0.0011	2.50	PASS
64QAM	25	0	NV	-30.00	-1	13	-4	-0.0003	0.0050	-0.0011	2.50	PASS
				-20.00	-11	-4	7	-0.0031	-0.0015	0.0019	2.50	PASS
				-10.00	-2	3	-11	-0.0006	0.0012	-0.0030	2.50	PASS
				0.00	14	-6	-7	0.0039	-0.0023	-0.0019	2.50	PASS
				10.00	-2	-6	-4	-0.0006	-0.0023	-0.0011	2.50	PASS
				20.00	11	-15	-4	0.0031	-0.0058	-0.0011	2.50	PASS
				30.00	8	5	11	0.0023	0.0019	0.0030	2.50	PASS
				40.00	-12	2	11	-0.0034	0.0008	0.0030	2.50	PASS
				50.00	-3	0	9	-0.0008	0.0000	0.0024	2.50	PASS

Test Band: 48 _ 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	-9	-16	0.0000	-0.0035	-0.0043	2.50	PASS
				NV	6	2	6	0.0017	0.0008	0.0016	2.50	PASS
				HV	1	12	2	0.0003	0.0046	0.0005	2.50	PASS
16QAM	50	0	NT	LV	1	-5	2	0.0003	-0.0019	0.0005	2.50	PASS
				NV	8	-7	10	0.0023	-0.0027	0.0027	2.50	PASS
				HV	14	0	6	0.0039	0.0000	0.0016	2.50	PASS
64QAM	50	0	NT	LV	-1	4	7	-0.0003	0.0015	0.0019	2.50	PASS
				NV	19	-6	13	0.0054	-0.0023	0.0035	2.50	PASS
				HV	9	-4	-6	0.0025	-0.0015	-0.0016	2.50	PASS

Test Band: 48 _ 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	-12	0	-6	-0.0034	0.0000	-0.0016	2.50	PASS
				-20.00	9	-18	9	0.0025	-0.0069	0.0024	2.50	PASS
				-10.00	5	-9	4	0.0014	-0.0035	0.0011	2.50	PASS
				0.00	-4	6	6	-0.0011	0.0023	0.0016	2.50	PASS
				10.00	4	6	4	0.0011	0.0023	0.0011	2.50	PASS
				20.00	4	12	7	0.0011	0.0046	0.0019	2.50	PASS
				30.00	7	14	-7	0.0020	0.0054	-0.0019	2.50	PASS
				40.00	5	4	-1	0.0014	0.0015	-0.0003	2.50	PASS
				50.00	2	1	-1	0.0006	0.0004	-0.0003	2.50	PASS
16QAM	50	0	NV	-30.00	-13	-8	1	-0.0037	-0.0031	0.0003	2.50	PASS
				-20.00	13	0	4	0.0037	0.0000	0.0011	2.50	PASS
				-10.00	-6	-2	-4	-0.0017	-0.0008	-0.0011	2.50	PASS
				0.00	5	-8	-15	0.0014	-0.0031	-0.0041	2.50	PASS
				10.00	-7	6	-14	-0.0020	0.0023	-0.0038	2.50	PASS
				20.00	-2	-13	-5	-0.0006	-0.0050	-0.0014	2.50	PASS
				30.00	-3	4	-3	-0.0008	0.0015	-0.0008	2.50	PASS
				40.00	-9	0	-4	-0.0025	0.0000	-0.0011	2.50	PASS
				50.00	5	2	-3	0.0014	0.0008	-0.0008	2.50	PASS
64QAM	50	0	NV	-30.00	0	-8	17	0.0000	-0.0031	0.0046	2.50	PASS
				-20.00	-3	-15	-11	-0.0008	-0.0058	-0.0030	2.50	PASS
				-10.00	1	8	-7	0.0003	0.0031	-0.0019	2.50	PASS
				0.00	-8	-13	-5	-0.0023	-0.0050	-0.0014	2.50	PASS
				10.00	-5	-3	-7	-0.0014	-0.0012	-0.0019	2.50	PASS
				20.00	-1	-6	-2	-0.0003	-0.0023	-0.0005	2.50	PASS
				30.00	6	4	-12	0.0017	0.0015	-0.0032	2.50	PASS
				40.00	-6	-6	-7	-0.0017	-0.0023	-0.0019	2.50	PASS
				50.00	14	-16	9	0.0039	-0.0062	0.0024	2.50	PASS

Test Band: 48 _ 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	-1	-2	-7	-0.0003	-0.0008	-0.0019	2.50	PASS
				NV	-8	-1	-4	-0.0023	-0.0004	-0.0011	2.50	PASS
				HV	2	-4	1	0.0006	-0.0015	0.0003	2.50	PASS
16QAM	75	0	NT	LV	-6	-8	-4	-0.0017	-0.0031	-0.0011	2.50	PASS
				NV	10	-10	-1	0.0028	-0.0039	-0.0003	2.50	PASS
				HV	0	2	13	0.0000	0.0008	0.0035	2.50	PASS
64QAM	75	0	NT	LV	6	11	-12	0.0017	0.0042	-0.0032	2.50	PASS
				NV	8	-6	-16	0.0023	-0.0023	-0.0043	2.50	PASS
				HV	-9	10	-1	-0.0025	0.0039	-0.0003	2.50	PASS

Test Band: 48 _ 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	6	0	3	0.0017	0.0000	0.0008	2.50	PASS
				-20.00	-1	-12	-8	-0.0003	-0.0046	-0.0022	2.50	PASS
				-10.00	12	-4	0	0.0034	-0.0015	0.0000	2.50	PASS
				0.00	17	-8	10	0.0048	-0.0031	0.0027	2.50	PASS
				10.00	7	0	-15	0.0020	0.0000	-0.0041	2.50	PASS
				20.00	6	-2	2	0.0017	-0.0008	0.0005	2.50	PASS
				30.00	-1	-2	-4	-0.0003	-0.0008	-0.0011	2.50	PASS
				40.00	2	-6	5	0.0006	-0.0023	0.0014	2.50	PASS
16QAM	75	0	NV	50.00	-14	14	3	-0.0039	0.0054	0.0008	2.50	PASS
				-30.00	3	-2	10	0.0008	-0.0008	0.0027	2.50	PASS
				-20.00	-3	-15	0	-0.0008	-0.0058	0.0000	2.50	PASS
				-10.00	4	-5	5	0.0011	-0.0019	0.0014	2.50	PASS
				0.00	-6	-5	0	-0.0017	-0.0019	0.0000	2.50	PASS
				10.00	15	3	0	0.0042	0.0012	0.0000	2.50	PASS
				20.00	-1	-1	-5	-0.0003	-0.0004	-0.0014	2.50	PASS
				30.00	-6	9	0	-0.0017	0.0035	0.0000	2.50	PASS
64QAM	75	0	NV	40.00	-3	-4	-10	-0.0008	-0.0015	-0.0027	2.50	PASS
				50.00	-2	-4	-12	-0.0006	-0.0015	-0.0032	2.50	PASS
				-30.00	-3	-7	-6	-0.0008	-0.0027	-0.0016	2.50	PASS
				-20.00	-4	-5	1	-0.0011	-0.0019	0.0003	2.50	PASS
				-10.00	-9	3	2	-0.0025	0.0012	0.0005	2.50	PASS
				0.00	2	0	9	0.0006	0.0000	0.0024	2.50	PASS
				10.00	1	-5	0	0.0003	-0.0019	0.0000	2.50	PASS
				20.00	10	8	7	0.0028	0.0031	0.0019	2.50	PASS
64QAM	75	0	NV	30.00	15	0	-11	0.0042	0.0000	-0.0030	2.50	PASS
				40.00	-5	7	7	-0.0014	0.0027	0.0019	2.50	PASS
				50.00	8	-6	8	0.0023	-0.0023	0.0022	2.50	PASS

Test Band: 48 _ 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	1	0	2	0.0004	0.0000	0.0007	2.50	PASS
				NV	1	-12	7	0.0004	-0.0046	0.0026	2.50	PASS
				HV	-3	-1	3	-0.0012	-0.0004	0.0011	2.50	PASS
16QAM	100	0	NT	LV	-11	4	-3	-0.0044	0.0015	-0.0011	2.50	PASS
				NV	6	6	-2	0.0024	0.0023	-0.0007	2.50	PASS
				HV	8	1	-17	0.0032	0.0004	-0.0063	2.50	PASS
64QAM	100	0	NT	LV	-3	8	-10	-0.0012	0.0031	-0.0037	2.50	PASS
				NV	-1	10	-11	-0.0004	0.0039	-0.0041	2.50	PASS
				HV	-2	11	3	-0.0008	0.0042	0.0011	2.50	PASS

Test Band: 48 _ 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	2	9	7	0.0008	0.0035	0.0026	2.50	PASS
				-20.00	5	-3	-14	0.0020	-0.0012	-0.0052	2.50	PASS
				-10.00	4	-10	9	0.0016	-0.0039	0.0034	2.50	PASS
				0.00	-2	15	2	-0.0008	0.0058	0.0007	2.50	PASS
				10.00	17	-1	8	0.0068	-0.0004	0.0030	2.50	PASS
				20.00	-3	-5	-4	-0.0012	-0.0019	-0.0015	2.50	PASS
				30.00	0	-11	9	0.0000	-0.0042	0.0034	2.50	PASS
				40.00	7	14	-8	0.0028	0.0054	-0.0030	2.50	PASS
16QAM	100	0	NV	50.00	-14	2	-14	-0.0056	0.0008	-0.0052	2.50	PASS
				-30.00	1	9	11	0.0004	0.0035	0.0041	2.50	PASS
				-20.00	12	-4	11	0.0048	-0.0015	0.0041	2.50	PASS
				-10.00	0	-9	-1	0.0000	-0.0035	-0.0004	2.50	PASS
				0.00	-10	-10	-13	-0.0040	-0.0039	-0.0049	2.50	PASS
				10.00	1	12	5	0.0004	0.0046	0.0019	2.50	PASS
				20.00	1	11	-13	0.0004	0.0042	-0.0049	2.50	PASS
				30.00	5	-4	-2	0.0020	-0.0015	-0.0007	2.50	PASS
64QAM	100	0	NV	40.00	10	-12	6	0.0040	-0.0046	0.0022	2.50	PASS
				50.00	-3	-3	7	-0.0012	-0.0012	0.0026	2.50	PASS
				-30.00	12	-3	-3	0.0048	-0.0012	-0.0011	2.50	PASS
				-20.00	-1	2	-7	-0.0004	0.0008	-0.0026	2.50	PASS
				-10.00	-10	6	-4	-0.0040	0.0023	-0.0015	2.50	PASS
				0.00	-5	-3	9	-0.0020	-0.0012	0.0034	2.50	PASS
				10.00	4	17	14	0.0016	0.0066	0.0052	2.50	PASS
				20.00	-10	14	-6	-0.0040	0.0054	-0.0022	2.50	PASS
64QAM	100	0	NV	30.00	17	7	-17	0.0068	0.0027	-0.0063	2.50	PASS
				40.00	8	-3	-13	0.0032	-0.0012	-0.0049	2.50	PASS
				50.00	7	-12	2	0.0028	-0.0046	0.0007	2.50	PASS