



FREQUENCY STABILITY

Test Result

B17_5MHz

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.4	1.200	0.0017	-2.5 to 2.5	Pass
					4	0.800	0.0011	-2.5 to 2.5	Pass
					4.6	-0.400	-0.0006	-2.5 to 2.5	Pass
				5	4	1.600	0.0023	-2.5 to 2.5	Pass
				15	4	0.500	0.0007	-2.5 to 2.5	Pass
				25	4	1.900	0.0027	-2.5 to 2.5	Pass
				35	4	0.400	0.0006	-2.5 to 2.5	Pass
	710	25	0	20	3.4	0.300	0.0004	-2.5 to 2.5	Pass
					4	0.400	0.0006	-2.5 to 2.5	Pass
					4.6	1.100	0.0015	-2.5 to 2.5	Pass
				5	4	-0.100	-0.0001	-2.5 to 2.5	Pass
				15	4	0.500	0.0007	-2.5 to 2.5	Pass
				25	4	-0.500	-0.0007	-2.5 to 2.5	Pass
				35	4	0.500	0.0007	-2.5 to 2.5	Pass
	713.5	25	0	20	3.4	-0.900	-0.0013	-2.5 to 2.5	Pass
					4	-0.200	-0.0003	-2.5 to 2.5	Pass
					4.6	-0.100	-0.0001	-2.5 to 2.5	Pass
				5	4	1.200	0.0017	-2.5 to 2.5	Pass
				15	4	0.500	0.0007	-2.5 to 2.5	Pass
				25	4	0.400	0.0006	-2.5 to 2.5	Pass
				35	4	-0.300	-0.0004	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.4	0.600	0.0008	-2.5 to 2.5	Pass
					4	1.400	0.0020	-2.5 to 2.5	Pass
					4.6	-0.400	-0.0006	-2.5 to 2.5	Pass
				5	4	0.300	0.0004	-2.5 to 2.5	Pass
				15	4	0.200	0.0003	-2.5 to 2.5	Pass
				25	4	0.000	0.0000	-2.5 to 2.5	Pass
				35	4	0.400	0.0006	-2.5 to 2.5	Pass
	710	25	0	20	3.4	-0.900	-0.0013	-2.5 to 2.5	Pass
					4	1.900	0.0027	-2.5 to 2.5	Pass
					4.6	2.200	0.0031	-2.5 to 2.5	Pass
				5	4	1.100	0.0015	-2.5 to 2.5	Pass
				15	4	-0.500	-0.0007	-2.5 to 2.5	Pass
				25	4	0.200	0.0003	-2.5 to 2.5	Pass
				35	4	1.700	0.0024	-2.5 to 2.5	Pass
	713.5	25	0	20	3.4	-1.300	-0.0018	-2.5 to 2.5	Pass
					4	0.100	0.0001	-2.5 to 2.5	Pass
					4.6	-0.400	-0.0006	-2.5 to 2.5	Pass
				5	4	0.100	0.0001	-2.5 to 2.5	Pass
				15	4	2.100	0.0029	-2.5 to 2.5	Pass
				25	4	-0.500	-0.0007	-2.5 to 2.5	Pass
				35	4	0.000	0.0000	-2.5 to 2.5	Pass
64QAM	706.5	25	0	20	3.4	-20.400	-0.0289	-2.5 to 2.5	Pass
					4	-14.500	-0.0205	-2.5 to 2.5	Pass
					4.6	-21.500	-0.0304	-2.5 to 2.5	Pass
				5	4	-32.800	-0.0464	-2.5 to 2.5	Pass
				15	4	48.200	0.0682	-2.5 to 2.5	Pass
				25	4	-18.900	-0.0268	-2.5 to 2.5	Pass
				35	4	-2.700	-0.0038	-2.5 to 2.5	Pass
	710	25	0	20	3.4	-42.200	-0.0594	-2.5 to 2.5	Pass



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				4	-8.500	-0.0120	-2.5 to 2.5	Pass		
				4.6	21.500	0.0303	-2.5 to 2.5	Pass		
				5	4	-51.000	-0.0718	-2.5 to 2.5	Pass	
				15	4	-4.100	-0.0058	-2.5 to 2.5	Pass	
				25	4	-18.600	-0.0262	-2.5 to 2.5	Pass	
	35	4	40.100	0.0565	-2.5 to 2.5	Pass				
	713.5	25	0		20	3.4	-14.800	-0.0207	-2.5 to 2.5	Pass
					4	-1.800	-0.0025	-2.5 to 2.5	Pass	
					4.6	19.400	0.0272	-2.5 to 2.5	Pass	
					5	4	38.500	0.0540	-2.5 to 2.5	Pass
15					4	1.800	0.0025	-2.5 to 2.5	Pass	
25	4	-17.900	-0.0251	-2.5 to 2.5	Pass					
35	4	-19.000	-0.0266	-2.5 to 2.5	Pass					

B17_10MHz

Band: 17 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	709	50	0	20	3.4	-0.200	-0.0003	-2.5 to 2.5	Pass	
					4	-1.100	-0.0016	-2.5 to 2.5	Pass	
					4.6	0.800	0.0011	-2.5 to 2.5	Pass	
					5	4	-2.300	-0.0032	-2.5 to 2.5	Pass
					15	4	0.400	0.0006	-2.5 to 2.5	Pass
					25	4	-0.600	-0.0008	-2.5 to 2.5	Pass
	35	4	-0.500	-0.0007	-2.5 to 2.5	Pass				
	710	50	0	20	3.4	-2.200	-0.0031	-2.5 to 2.5	Pass	
					4	0.700	0.0010	-2.5 to 2.5	Pass	
					4.6	-0.300	-0.0004	-2.5 to 2.5	Pass	
					5	4	0.200	0.0003	-2.5 to 2.5	Pass
					15	4	-1.400	-0.0020	-2.5 to 2.5	Pass
					25	4	-1.500	-0.0021	-2.5 to 2.5	Pass
	35	4	0.600	0.0008	-2.5 to 2.5	Pass				
	711	50	0	20	3.4	0.700	0.0010	-2.5 to 2.5	Pass	
					4	-0.500	-0.0007	-2.5 to 2.5	Pass	
					4.6	0.500	0.0007	-2.5 to 2.5	Pass	
					5	4	0.900	0.0013	-2.5 to 2.5	Pass
15					4	0.200	0.0003	-2.5 to 2.5	Pass	
25					4	0.500	0.0007	-2.5 to 2.5	Pass	
35	4	0.900	0.0013	-2.5 to 2.5	Pass					
16QAM	709	50	0	20	3.4	0.000	0.0000	-2.5 to 2.5	Pass	
					4	-0.400	-0.0006	-2.5 to 2.5	Pass	
					4.6	-0.500	-0.0007	-2.5 to 2.5	Pass	
					5	4	0.900	0.0013	-2.5 to 2.5	Pass
					15	4	1.200	0.0017	-2.5 to 2.5	Pass
					25	4	0.200	0.0003	-2.5 to 2.5	Pass
	35	4	2.000	0.0028	-2.5 to 2.5	Pass				
	710	50	0	20	3.4	0.600	0.0008	-2.5 to 2.5	Pass	
					4	0.400	0.0006	-2.5 to 2.5	Pass	
					4.6	-1.400	-0.0020	-2.5 to 2.5	Pass	
					5	4	0.100	0.0001	-2.5 to 2.5	Pass
					15	4	1.200	0.0017	-2.5 to 2.5	Pass
					25	4	0.900	0.0013	-2.5 to 2.5	Pass
	35	4	0.100	0.0001	-2.5 to 2.5	Pass				
	711	50	0	20	3.4	-0.700	-0.0010	-2.5 to 2.5	Pass	
					4	0.500	0.0007	-2.5 to 2.5	Pass	
					4.6	-0.700	-0.0010	-2.5 to 2.5	Pass	
					5	4	-1.300	-0.0018	-2.5 to 2.5	Pass
15					4	1.100	0.0015	-2.5 to 2.5	Pass	
25					4	0.300	0.0004	-2.5 to 2.5	Pass	
35	4	0.600	0.0008	-2.5 to 2.5	Pass					



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64QAM	709	50	0	20	3.4	-30.900	-0.0436	-2.5 to 2.5	Pass
					4	-10.100	-0.0142	-2.5 to 2.5	Pass
					4.6	-18.200	-0.0257	-2.5 to 2.5	Pass
				5	4	-11.900	-0.0168	-2.5 to 2.5	Pass
				15	4	-0.200	-0.0003	-2.5 to 2.5	Pass
				25	4	-14.200	-0.0200	-2.5 to 2.5	Pass
	710	50	0	20	3.4	-29.100	-0.0410	-2.5 to 2.5	Pass
					4	-17.400	-0.0245	-2.5 to 2.5	Pass
					4.6	7.600	0.0107	-2.5 to 2.5	Pass
				5	4	14.500	0.0204	-2.5 to 2.5	Pass
				15	4	10.500	0.0148	-2.5 to 2.5	Pass
				25	4	-0.200	-0.0003	-2.5 to 2.5	Pass
	711	50	0	20	3.4	-4.200	-0.0059	-2.5 to 2.5	Pass
					4	-7.000	-0.0098	-2.5 to 2.5	Pass
					4.6	-18.400	-0.0259	-2.5 to 2.5	Pass
				5	4	0.500	0.0007	-2.5 to 2.5	Pass
				15	4	-10.300	-0.0145	-2.5 to 2.5	Pass
				25	4	3.700	0.0052	-2.5 to 2.5	Pass
				35	4	0.900	0.0013	-2.5 to 2.5	Pass

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