



Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5200.0405	5200	0.0405	7.7801
		V max (V)	132	5200.0293	5200	0.0293	5.6264
		V min (V)	108	5200.0529	5200	0.0529	10.1817
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5200.0089	5200	0.0089	1.7149
		T (°C)	10	5200.0373	5200	0.0373	7.1669
		T (°C)	20	5200.0226	5200	0.0226	4.3388
		T (°C)	30	5200.0303	5200	0.0303	5.8212
		T (°C)	40	5200.0331	5200	0.0331	6.3730
Limits				±20ppm			
Result				Complies			



Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5240.0435	5240	0.0435	8.3065
		V max (V)	132	5240.0335	5240	0.0335	6.3944
		V min (V)	108	5240.0343	5240	0.0343	6.5414
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5240.0111	5240	0.0111	2.1178
		T (°C)	10	5240.0294	5240	0.0294	5.6019
		T (°C)	20	5240.0154	5240	0.0154	2.9353
		T (°C)	30	5240.0011	5240	0.0011	0.2099
		T (°C)	40	5240.0391	5240	0.0391	7.4552
Limits				±20ppm			
Result				Complies			



TX Frequency (5725-5850MHz)

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5745.0780	5745	0.0780	13.5780
		V max (V)	132	5745.0735	5745	0.0735	12.7986
		V min (V)	108	5745.0780	5745	0.0780	13.5780
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5745.0641	5745	0.0641	11.1608
		T (°C)	10	5745.0222	5745	0.0222	3.8666
		T (°C)	20	5745.0198	5745	0.0198	3.4444
		T (°C)	30	5745.0849	5745	0.0849	14.7792
		T (°C)	40	5745.0598	5745	0.0598	10.4067
Limits				±20ppm			
Result				Complies			



Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5785.0158	5785	0.0158	2.7387
		V max (V)	132	5785.0516	5785	0.0516	8.9167
		V min (V)	108	5785.0687	5785	0.0687	11.8699
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5785.0226	5785	0.0226	3.9053
		T (°C)	10	5785.0124	5785	0.0124	2.1442
		T (°C)	20	5785.0182	5785	0.0182	3.1464
		T (°C)	30	5785.0520	5785	0.0520	8.9896
		T (°C)	40	5785.0565	5785	0.0565	9.7714
Limits				±20ppm			
Result				Complies			



Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5825.0843	5825	0.0843	14.4695
		V max (V)	132	5825.0296	5825	0.0296	5.0815
		V min (V)	108	5825.0440	5825	0.0440	7.5536
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5825.0433	5825	0.0433	7.4407
		T (°C)	10	5825.0554	5825	0.0554	9.5030
		T (°C)	20	5825.0775	5825	0.0775	13.3102
		T (°C)	30	5825.0093	5825	0.0093	1.5996
		T (°C)	40	5825.0413	5825	0.0413	7.0933
Limits				±20ppm			
Result				Complies			



14 Antenna Requirement

14.1 Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

14.2 Antenna Connected Construction

The antenna is Rubber rod antenna which permanently attached, and the best case gain of the antenna is 2.03dBi(WIFI 5.2G); 6.04dBi(WIFI5.8G). It complies with the standard requirement.



15 TEST SETUP & EUT PHOTOGRAPH

Reference to EUT photo attachment for details.

----- End of Report -----