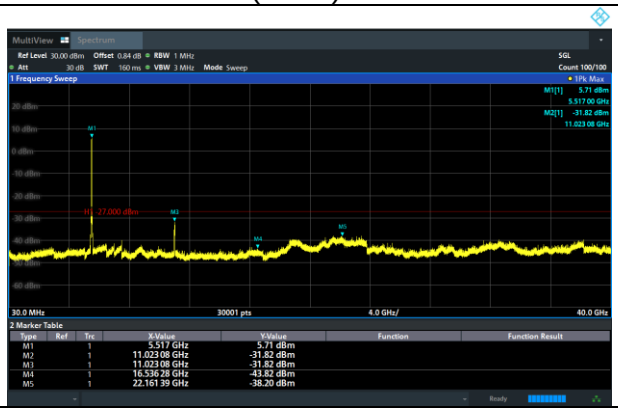
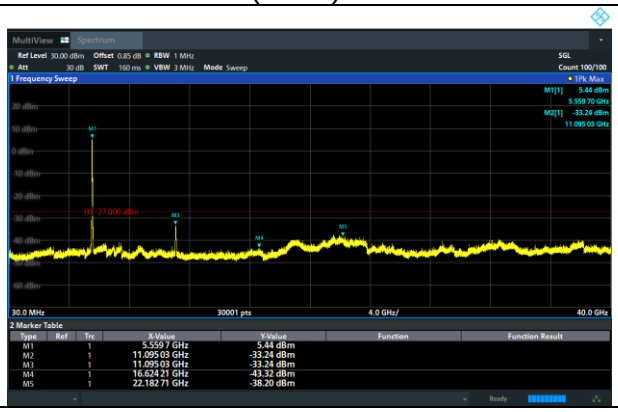
11ac (HT40) CH102	11ac (HT40) CH110
	
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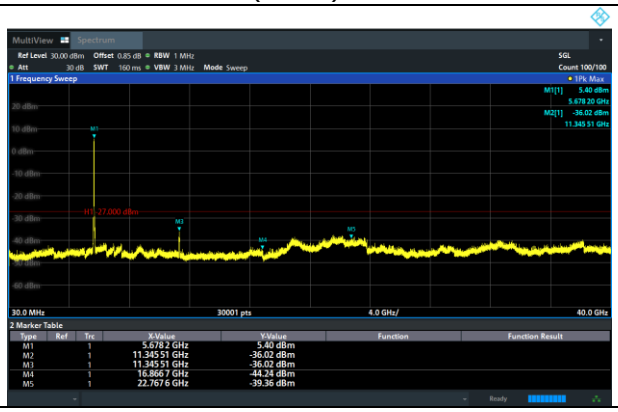	/

U-NII-3	
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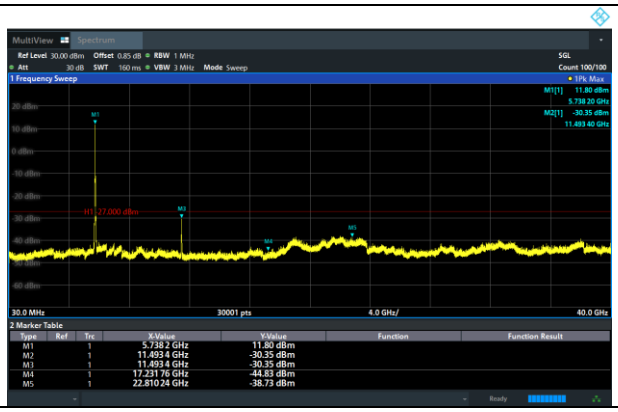	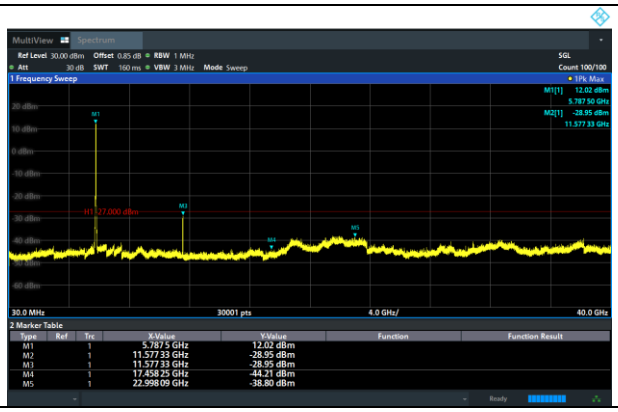
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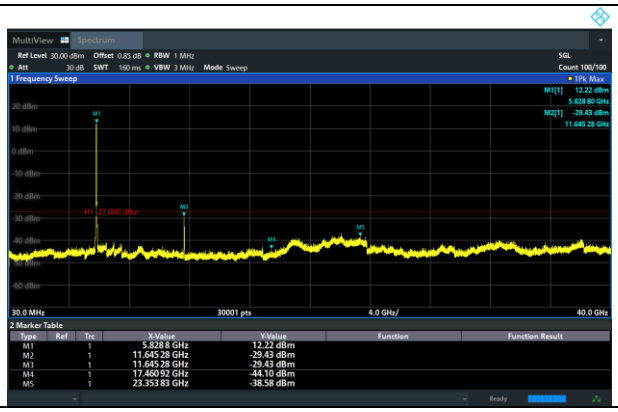	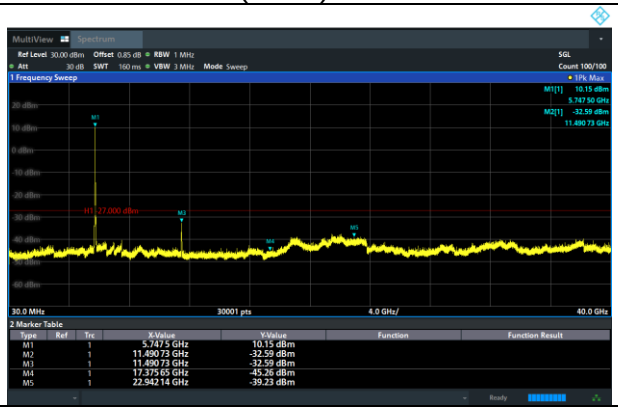
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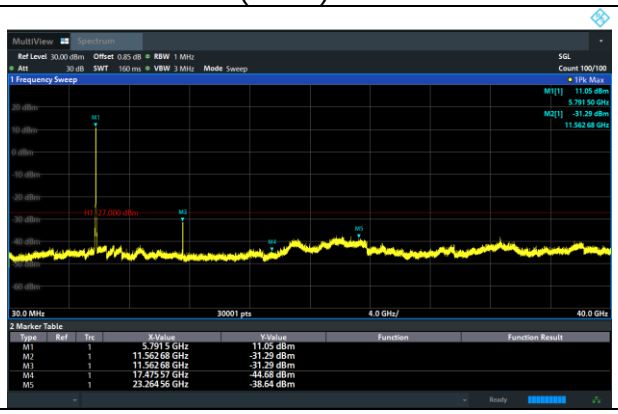
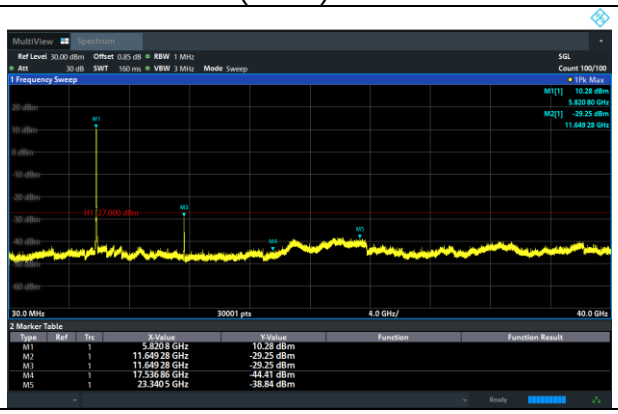
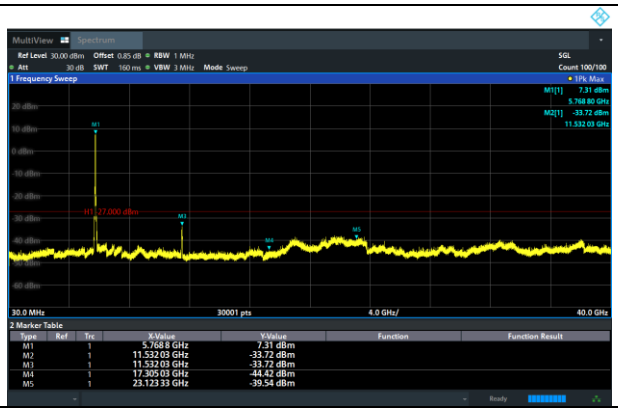
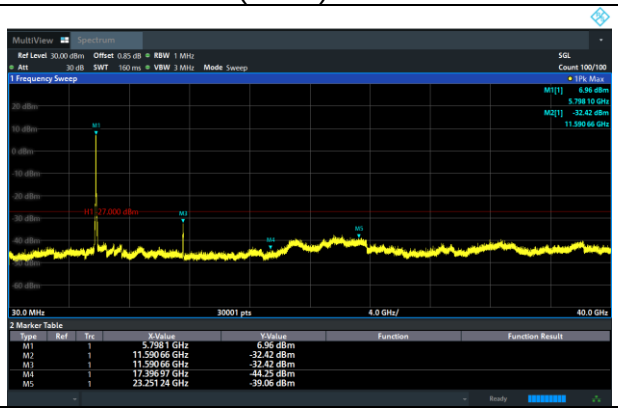
	

11n(HT40) CH151	11n(HT40) CH159
	
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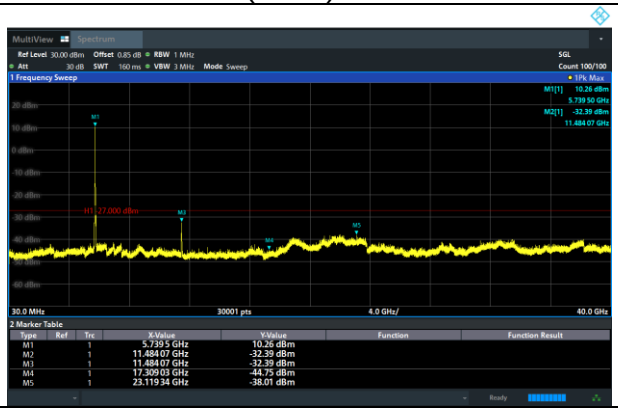	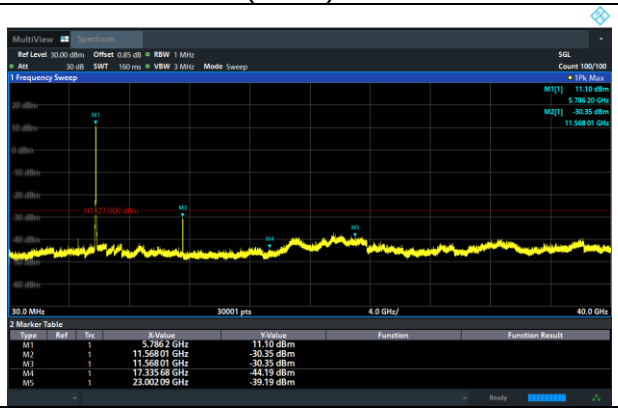
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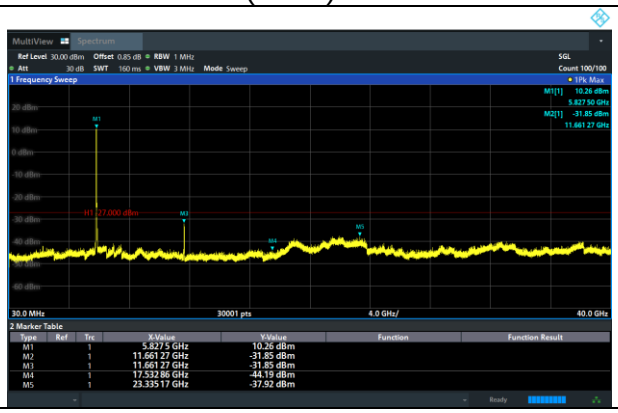
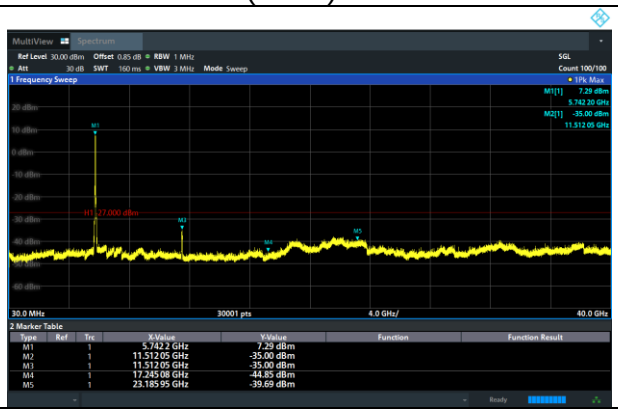
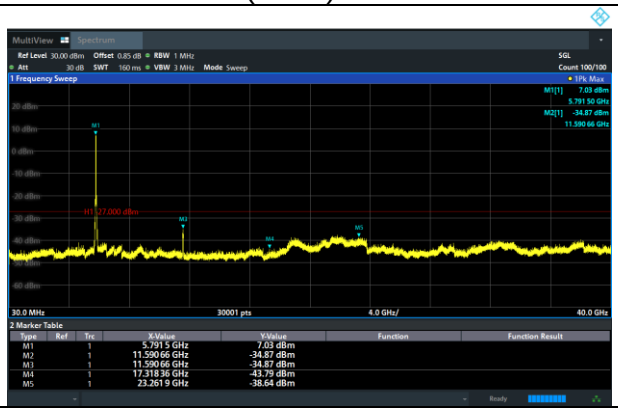
	

11ac(HT40) CH159	/
	/

5.10 Frequency Stability

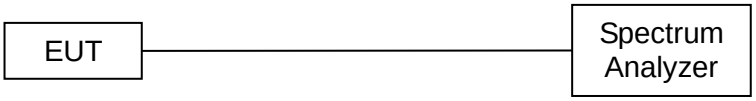
5.10.1 Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

5.10.2 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 106 ppm and the limit is less than ±20ppm (IEEE 802.11n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is -20°C~70°C.

5.10.3 Test Setup



5.10.4 Test Results

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5180.041	5180	0.041	7.84
		V max (V)	5.75	5180.005	5180	0.005	1.00
		V min (V)	4.25	5180.012	5180	0.012	2.38
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5180.010	5180	0.010	1.95
		T (°C)	-10	5180.006	5180	0.006	1.10
		T (°C)	0	5180.048	5180	0.048	9.20
		T (°C)	10	5180.020	5180	0.020	3.93
		T (°C)	20	5180.020	5180	0.020	3.88
		T (°C)	30	5180.042	5180	0.042	8.17
		T (°C)	40	5180.001	5180	0.001	0.14
		T (°C)	50	5180.038	5180	0.038	7.26
		T (°C)	60	5180.021	5180	0.021	4.07
		T (°C)	70	5180.003	5180	0.003	0.62
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5200.026	5200	0.026	5.05
		V max (V)	5.75	5200.029	5200	0.029	5.59
		V min (V)	4.25	5200.039	5200	0.039	7.55
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5200.037	5200	0.037	7.18
		T (°C)	-10	5200.021	5200	0.021	3.96
		T (°C)	0	5200.020	5200	0.020	3.85
		T (°C)	10	5200.035	5200	0.035	6.65
		T (°C)	20	5200.049	5200	0.049	9.38
		T (°C)	30	5200.032	5200	0.032	6.09
		T (°C)	40	5200.011	5200	0.011	2.11
		T (°C)	50	5200.047	5200	0.047	9.07
		T (°C)	60	5200.019	5200	0.019	3.70
		T (°C)	70	5200.033	5200	0.033	6.35
Limits				± 20 ppm			
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)	5	5240.020	5240	0.020	3.82
		V max (V)	5.75	5240.011	5240	0.011	2.13
		V min (V)	4.25	5240.049	5240	0.049	9.36
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5240.017	5240	0.017	3.18
		T (°C)	-10	5240.037	5240	0.037	7.08
		T (°C)	0	5240.000	5240	0.000	0.08
		T (°C)	10	5240.019	5240	0.019	3.70
		T (°C)	20	5240.029	5240	0.029	5.51
		T (°C)	30	5240.014	5240	0.014	2.72
		T (°C)	40	5240.049	5240	0.049	9.26
		T (°C)	50	5240.047	5240	0.047	9.01
		T (°C)	60	5240.041	5240	0.041	7.89
		T (°C)	70	5240.015	5240	0.015	2.89
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5190MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5190.040	5190	0.040	7.72
		V max (V)	5.75	5190.022	5190	0.022	4.17
		V min (V)	4.25	5190.032	5190	0.032	6.07
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5190MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5190.020	5190	0.020	3.78
		T (°C)	-10	5190.045	5190	0.045	8.62
		T (°C)	0	5190.029	5190	0.029	5.61
		T (°C)	10	5190.013	5190	0.013	2.44
		T (°C)	20	5190.007	5190	0.007	1.27
		T (°C)	30	5190.032	5190	0.032	6.24
		T (°C)	40	5190.015	5190	0.015	2.84
		T (°C)	50	5190.005	5190	0.005	1.02
		T (°C)	60	5190.043	5190	0.043	8.29
		T (°C)	70	5190.031	5190	0.031	6.01
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5230MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5230.046	5230	0.046	8.79
		V max (V)	5.75	5230.024	5230	0.024	4.63
		V min (V)	4.25	5230.038	5230	0.038	7.26
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5230MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5230.044	5230	0.044	8.49
		T (°C)	-10	5230.011	5230	0.011	2.08
		T (°C)	0	5230.039	5230	0.039	7.39
		T (°C)	10	5230.032	5230	0.032	6.20
		T (°C)	20	5230.001	5230	0.001	0.19
		T (°C)	30	5230.012	5230	0.012	2.32
		T (°C)	40	5230.008	5230	0.008	1.50
		T (°C)	50	5230.041	5230	0.041	7.91
		T (°C)	60	5230.045	5230	0.045	8.56
		T (°C)	70	5230.042	5230	0.042	8.12
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5260.039	5260	0.039	7.44
		V max (V)	5.75	5260.035	5260	0.035	6.64
		V min (V)	4.25	5260.044	5260	0.044	8.37
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5260.032	5260	0.032	6.06
		T (°C)	-10	5260.046	5260	0.046	8.80
		T (°C)	0	5260.005	5260	0.005	0.98
		T (°C)	10	5260.037	5260	0.037	7.06
		T (°C)	20	5260.007	5260	0.007	1.38
		T (°C)	30	5260.019	5260	0.019	3.56
		T (°C)	40	5260.029	5260	0.029	5.47
		T (°C)	50	5260.003	5260	0.003	0.56
		T (°C)	60	5260.032	5260	0.032	6.07
		T (°C)	70	5260.012	5260	0.012	2.34
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5280MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5280.041	5280	0.041	7.79
		V max (V)	5.75	5280.008	5280	0.008	1.57
		V min (V)	4.25	5280.028	5280	0.028	5.23
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5280MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5280.008	5280	0.008	1.43
		T (°C)	-10	5280.007	5280	0.007	1.29
		T (°C)	0	5280.033	5280	0.033	6.29
		T (°C)	10	5280.026	5280	0.026	4.97
		T (°C)	20	5280.021	5280	0.021	3.98
		T (°C)	30	5280.006	5280	0.006	1.12
		T (°C)	40	5280.028	5280	0.028	5.31
		T (°C)	50	5280.007	5280	0.007	1.30
		T (°C)	60	5280.027	5280	0.027	5.08
		T (°C)	70	5280.038	5280	0.038	7.19
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5320.048	5320	0.048	9.10
		V max (V)	5.75	5320.015	5320	0.015	2.76
		V min (V)	4.25	5320.008	5320	0.008	1.43
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5320.034	5320	0.034	6.34
		T (°C)	-10	5320.017	5320	0.017	3.18
		T (°C)	0	5320.033	5320	0.033	6.27
		T (°C)	10	5320.019	5320	0.019	3.59
		T (°C)	20	5320.034	5320	0.034	6.47
		T (°C)	30	5320.042	5320	0.042	7.86
		T (°C)	40	5320.030	5320	0.030	5.71
		T (°C)	50	5320.048	5320	0.048	8.96
		T (°C)	60	5320.001	5320	0.001	0.12
		T (°C)	70	5320.036	5320	0.036	6.67
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5270MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5270.042	5270	0.042	7.99
		V max (V)	5.75	5270.020	5270	0.020	3.83
		V min (V)	4.25	5270.011	5270	0.011	2.01
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5270MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5270.008	5270	0.008	1.60
		T (°C)	-10	5270.045	5270	0.045	8.58
		T (°C)	0	5270.019	5270	0.019	3.61
		T (°C)	10	5270.011	5270	0.011	2.18
		T (°C)	20	5270.014	5270	0.014	2.62
		T (°C)	30	5270.001	5270	0.001	0.19
		T (°C)	40	5270.034	5270	0.034	6.44
		T (°C)	50	5270.010	5270	0.010	1.88
		T (°C)	60	5270.019	5270	0.019	3.57
		T (°C)	70	5270.019	5270	0.019	3.51
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5310MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5310.029	5310	0.029	5.41
		V max (V)	5.75	5310.017	5310	0.017	3.27
		V min (V)	4.25	5310.001	5310	0.001	0.11
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5310MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5310.029	5310	0.029	5.49
		T (°C)	-10	5310.048	5310	0.048	9.01
		T (°C)	0	5310.044	5310	0.044	8.20
		T (°C)	10	5310.045	5310	0.045	8.51
		T (°C)	20	5310.016	5310	0.016	2.93
		T (°C)	30	5310.044	5310	0.044	8.24
		T (°C)	40	5310.039	5310	0.039	7.37
		T (°C)	50	5310.013	5310	0.013	2.48
		T (°C)	60	5310.009	5310	0.009	1.71
		T (°C)	70	5310.047	5310	0.047	8.87
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5500MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5500.039	5500	0.039	7.04
		V max (V)	5.75	5500.043	5500	0.043	7.80
		V min (V)	4.25	5500.007	5500	0.007	1.35
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5500MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5500.008	5500	0.008	1.43
		T (°C)	-10	5500.013	5500	0.013	2.33
		T (°C)	0	5500.012	5500	0.012	2.11
		T (°C)	10	5500.014	5500	0.014	2.53
		T (°C)	20	5500.014	5500	0.014	2.60
		T (°C)	30	5500.012	5500	0.012	2.17
		T (°C)	40	5500.042	5500	0.042	7.68
		T (°C)	50	5500.026	5500	0.026	4.66
		T (°C)	60	5500.018	5500	0.018	3.21
		T (°C)	70	5500.043	5500	0.043	7.75
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5600MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5600.009	5600	0.009	1.65
		V max (V)	5.75	5600.025	5600	0.025	4.43
		V min (V)	4.25	5600.008	5600	0.008	1.49
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5600MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5600.022	5600	0.022	3.89
		T (°C)	-10	5600.013	5600	0.013	2.37
		T (°C)	0	5600.034	5600	0.034	6.01
		T (°C)	10	5600.016	5600	0.016	2.85
		T (°C)	20	5600.026	5600	0.026	4.60
		T (°C)	30	5600.040	5600	0.040	7.16
		T (°C)	40	5600.041	5600	0.041	7.40
		T (°C)	50	5600.041	5600	0.041	7.36
		T (°C)	60	5600.014	5600	0.014	2.46
		T (°C)	70	5600.014	5600	0.014	2.45
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5700MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5700.047	5700	0.047	8.31
		V max (V)	5.75	5700.046	5700	0.046	8.10
		V min (V)	4.25	5700.024	5700	0.024	4.18
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5700MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5700.007	5700	0.007	1.23
		T (°C)	-10	5700.000	5700	0.000	0.06
		T (°C)	0	5700.020	5700	0.020	3.54
		T (°C)	10	5700.047	5700	0.047	8.20
		T (°C)	20	5700.030	5700	0.030	5.28
		T (°C)	30	5700.002	5700	0.002	0.28
		T (°C)	40	5700.030	5700	0.030	5.22
		T (°C)	50	5700.036	5700	0.036	6.24
		T (°C)	60	5700.014	5700	0.014	2.44
		T (°C)	70	5700.005	5700	0.005	0.81
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5510MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5510.008	5510	0.008	1.45
		V max (V)	5.75	5510.032	5510	0.032	5.80
		V min (V)	4.25	5510.044	5510	0.044	8.00
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5510MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5510.023	5510	0.023	4.14
		T (°C)	-10	5510.042	5510	0.042	7.60
		T (°C)	0	5510.031	5510	0.031	5.61
		T (°C)	10	5510.015	5510	0.015	2.76
		T (°C)	20	5510.004	5510	0.004	0.76
		T (°C)	30	5510.034	5510	0.034	6.16
		T (°C)	40	5510.033	5510	0.033	5.95
		T (°C)	50	5510.005	5510	0.005	0.89
		T (°C)	60	5510.032	5510	0.032	5.79
		T (°C)	70	5510.014	5510	0.014	2.52
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5550MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5550.019	5550	0.019	3.41
		V max (V)	5.75	5550.019	5550	0.019	3.34
		V min (V)	4.25	5550.005	5550	0.005	0.97
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5550MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5550.039	5550	0.039	7.04
		T (°C)	-10	5550.035	5550	0.035	6.31
		T (°C)	0	5550.033	5550	0.033	5.90
		T (°C)	10	5550.049	5550	0.049	8.78
		T (°C)	20	5550.040	5550	0.040	7.19
		T (°C)	30	5550.019	5550	0.019	3.36
		T (°C)	40	5550.031	5550	0.031	5.60
		T (°C)	50	5550.006	5550	0.006	1.08
		T (°C)	60	5550.001	5550	0.001	0.19
		T (°C)	70	5550.007	5550	0.007	1.30
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5670MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5670.004	5670	0.004	0.76
		V max (V)	5.75	5670.019	5670	0.019	3.35
		V min (V)	4.25	5670.013	5670	0.013	2.33
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5670MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5670.027	5670	0.027	4.68
		T (°C)	-10	5670.047	5670	0.047	8.29
		T (°C)	0	5670.044	5670	0.044	7.72
		T (°C)	10	5670.018	5670	0.018	3.21
		T (°C)	20	5670.022	5670	0.022	3.82
		T (°C)	30	5670.031	5670	0.031	5.53
		T (°C)	40	5670.024	5670	0.024	4.19
		T (°C)	50	5670.042	5670	0.042	7.43
		T (°C)	60	5670.049	5670	0.049	8.58
		T (°C)	70	5670.043	5670	0.043	7.51
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5745.025	5745	0.025	4.36
		V max (V)	5.75	5745.032	5745	0.032	5.60
		V min (V)	4.25	5745.049	5745	0.049	8.55
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5745.026	5745	0.026	4.52
		T (°C)	-10	5745.044	5745	0.044	7.63
		T (°C)	0	5745.046	5745	0.046	7.96
		T (°C)	10	5745.038	5745	0.038	6.64
		T (°C)	20	5745.013	5745	0.013	2.35
		T (°C)	30	5745.050	5745	0.050	8.66
		T (°C)	40	5745.044	5745	0.044	7.73
		T (°C)	50	5745.016	5745	0.016	2.83
		T (°C)	60	5745.016	5745	0.016	2.83
		T (°C)	70	5745.009	5745	0.009	1.51
Limits				± 20 ppm			
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)	5	5785.012	5785	0.012	2.14
		V max (V)	5.75	5785.020	5785	0.020	3.39
		V min (V)	4.25	5785.027	5785	0.027	4.75
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5785.012	5785	0.012	2.15
		T (°C)	-10	5785.027	5785	0.027	4.69
		T (°C)	0	5785.041	5785	0.041	7.12
		T (°C)	10	5785.005	5785	0.005	0.85
		T (°C)	20	5785.023	5785	0.023	4.04
		T (°C)	30	5785.001	5785	0.001	0.11
		T (°C)	40	5785.030	5785	0.030	5.17
		T (°C)	50	5785.033	5785	0.033	5.64
		T (°C)	60	5785.020	5785	0.020	3.42
		T (°C)	70	5785.028	5785	0.028	4.76
Limits				± 20 ppm			
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)	5	5825.017	5825	0.017	2.94
		V max (V)	5.75	5825.013	5825	0.013	2.24
		V min (V)	4.25	5825.036	5825	0.036	6.19
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5825.039	5825	0.039	6.64
		T (°C)	-10	5825.012	5825	0.012	2.06
		T (°C)	0	5825.033	5825	0.033	5.65
		T (°C)	10	5825.028	5825	0.028	4.75
		T (°C)	20	5825.027	5825	0.027	4.62
		T (°C)	30	5825.033	5825	0.033	5.59
		T (°C)	40	5825.043	5825	0.043	7.34
		T (°C)	50	5825.012	5825	0.012	2.10
		T (°C)	60	5825.014	5825	0.014	2.46
		T (°C)	70	5825.014	5825	0.014	2.39
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5755MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5755.020	5755	0.020	3.48
		V max (V)	5.75	5755.037	5755	0.037	6.52
		V min (V)	4.25	5755.039	5755	0.039	6.76
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5755MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5755.006	5755	0.006	1.02
		T (°C)	-10	5755.017	5755	0.017	2.95
		T (°C)	0	5755.003	5755	0.003	0.46
		T (°C)	10	5755.028	5755	0.028	4.91
		T (°C)	20	5755.009	5755	0.009	1.52
		T (°C)	30	5755.003	5755	0.003	0.45
		T (°C)	40	5755.018	5755	0.018	3.08
		T (°C)	50	5755.033	5755	0.033	5.79
		T (°C)	60	5755.007	5755	0.007	1.19
		T (°C)	70	5755.002	5755	0.002	0.36
Limits				± 20 ppm			
Result				Complies			

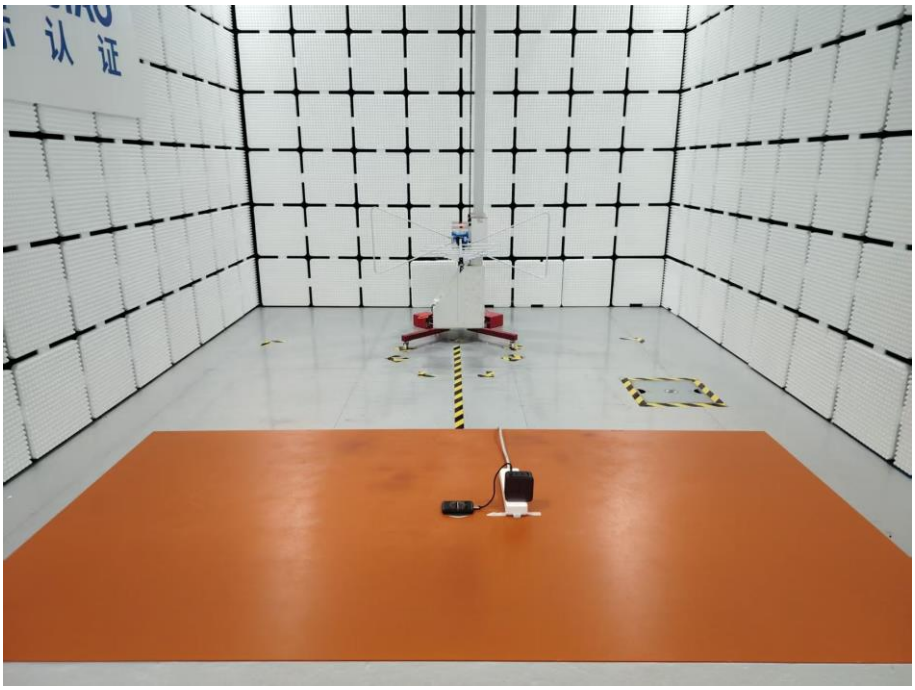
Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5795MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5	5795.020	5795	0.020	3.47
		V max (V)	5.75	5795.031	5795	0.031	5.43
		V min (V)	4.25	5795.015	5795	0.015	2.53
Limits				± 20 ppm			
Result				Complies			

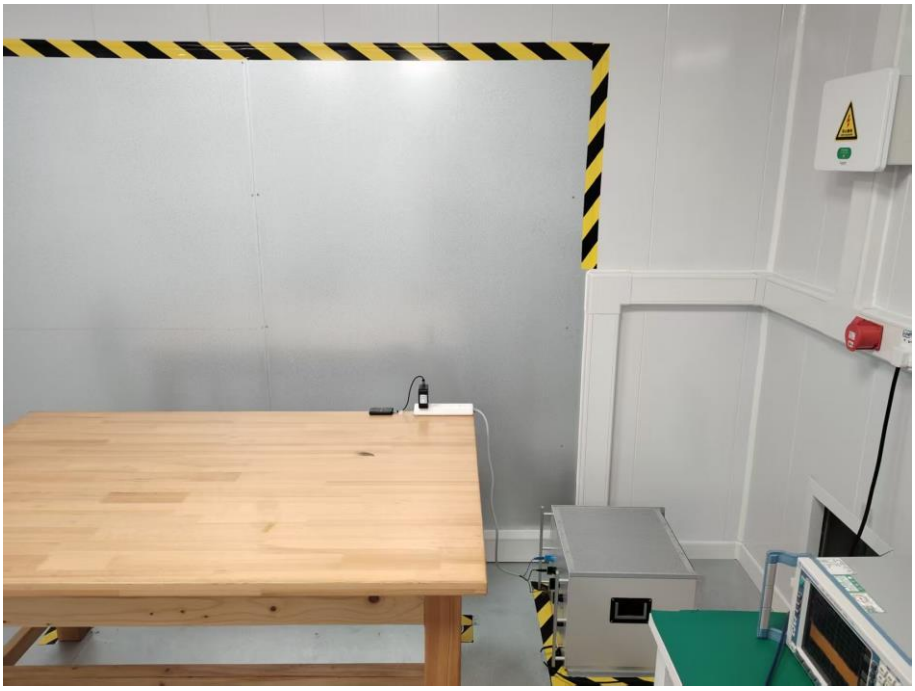
Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5795MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5795.015	5795	0.015	2.54
		T (°C)	-10	5795.019	5795	0.019	3.31
		T (°C)	0	5795.013	5795	0.013	2.29
		T (°C)	10	5795.013	5795	0.013	2.26
		T (°C)	20	5795.005	5795	0.005	0.88
		T (°C)	30	5795.034	5795	0.034	5.95
		T (°C)	40	5795.043	5795	0.043	7.47
		T (°C)	50	5795.002	5795	0.002	0.37
		T (°C)	60	5795.024	5795	0.024	4.12
		T (°C)	70	5795.043	5795	0.043	7.39
Limits				± 20 ppm			
Result				Complies			

6 Photographs of the Test Setup

Radiated Emission Below 1GHz

Radiated Emission Above 1GHz


Conducted Emission



RF Conducted Measurements

7 Photographs of the EUT

Please refer to report HB20250818054E-01 for product photos.

******** END OF REPORT ********