







## 10.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

### 10.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant0	5745	22.92	≤30.00	28.11	---	PASS
	Ant1	5745	21.77	≤30.00	26.96	---	PASS
	Ant0	5785	22.80	≤30.00	27.99	---	PASS
	Ant1	5785	22.24	≤30.00	27.43	---	PASS
	Ant0	5825	22.34	≤30.00	27.53	---	PASS
	Ant1	5825	21.81	≤30.00	27.00	---	PASS
11N20SISO	Ant0	5745	22.91	≤30.00	28.10	---	PASS
	Ant1	5745	22.75	≤30.00	27.94	---	PASS
	Ant0	5785	22.78	≤30.00	27.97	---	PASS
	Ant1	5785	22.21	≤30.00	27.40	---	PASS
	Ant0	5825	22.32	≤30.00	27.51	---	PASS
	Ant1	5825	23.06	≤30.00	28.25	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

## 10.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

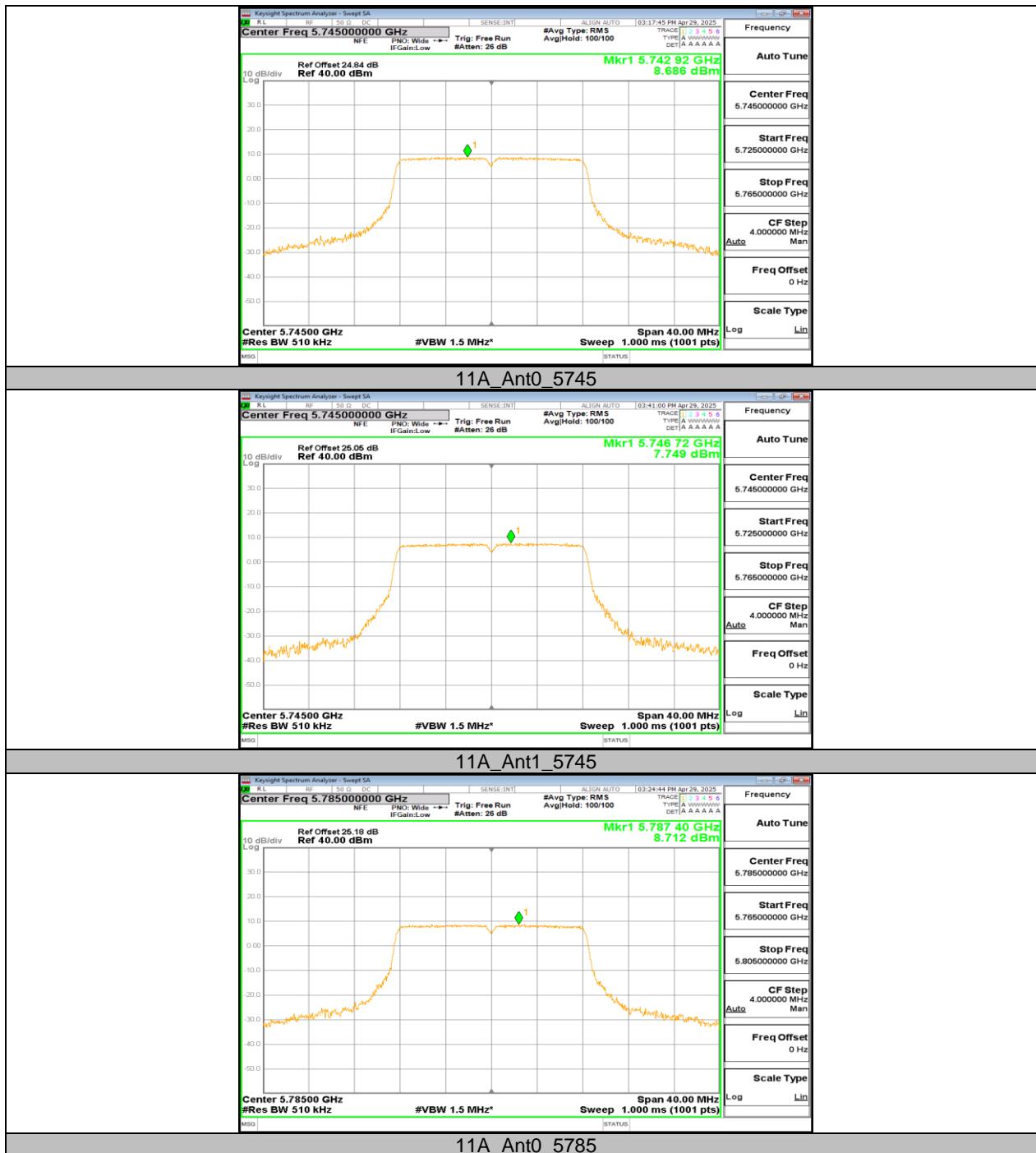
### 10.5.1. Test Result

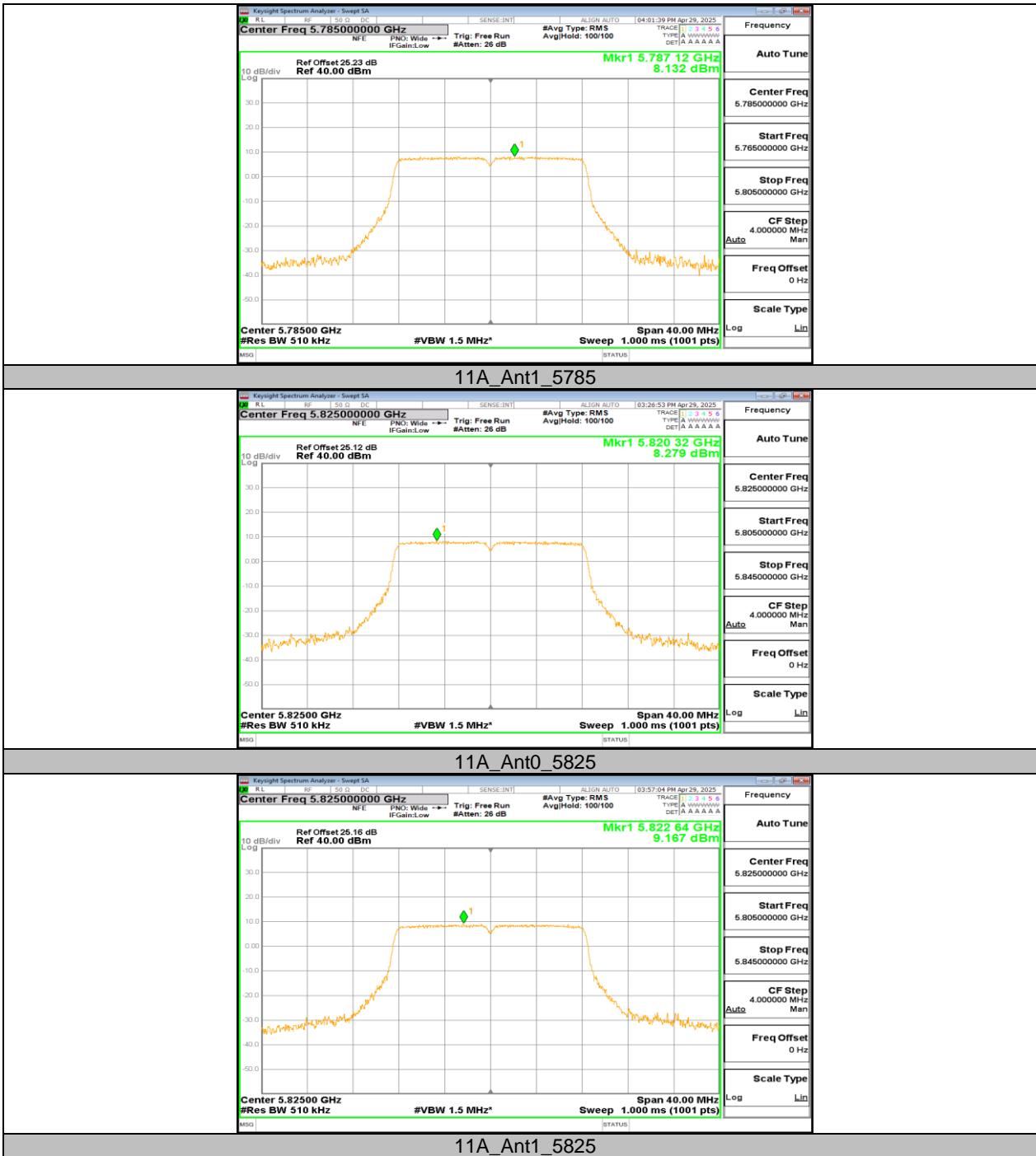
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant0	5745	8.69	≤30.00	13.88	---	PASS
	Ant1	5745	7.75	≤30.00	12.94	---	PASS
	Ant0	5785	8.71	≤30.00	13.90	---	PASS
	Ant1	5785	8.13	≤30.00	13.32	---	PASS
	Ant0	5825	8.28	≤30.00	13.47	---	PASS
	Ant1	5825	9.17	≤30.00	14.36	---	PASS
11N20SISO	Ant0	5745	8.59	≤30.00	13.78	---	PASS
	Ant1	5745	8.58	≤30.00	13.77	---	PASS
	Ant0	5785	8.39	≤30.00	13.58	---	PASS
	Ant1	5785	7.86	≤30.00	13.05	---	PASS
	Ant0	5825	7.95	≤30.00	13.14	---	PASS
	Ant1	5825	8.87	≤30.00	14.06	---	PASS

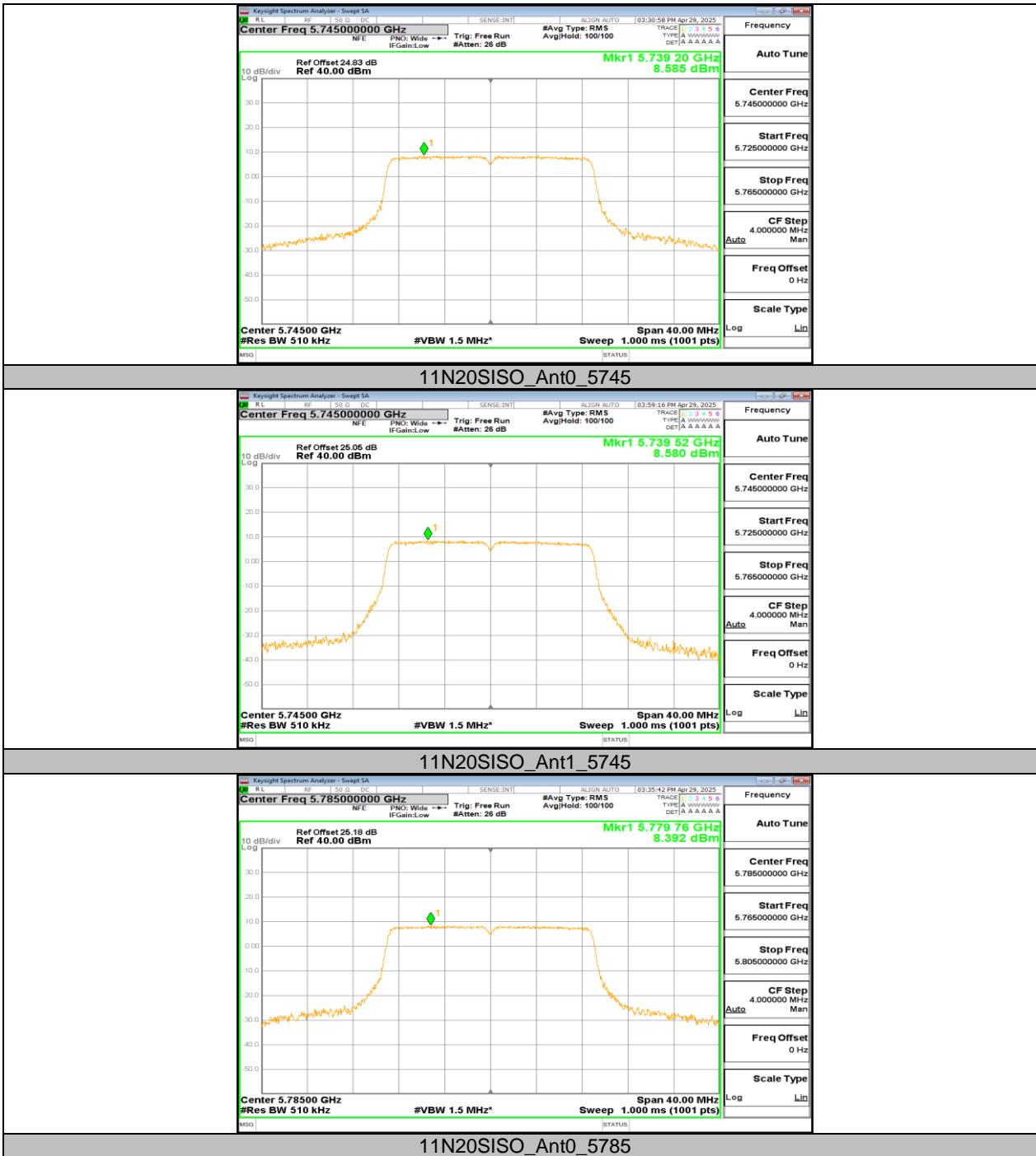
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

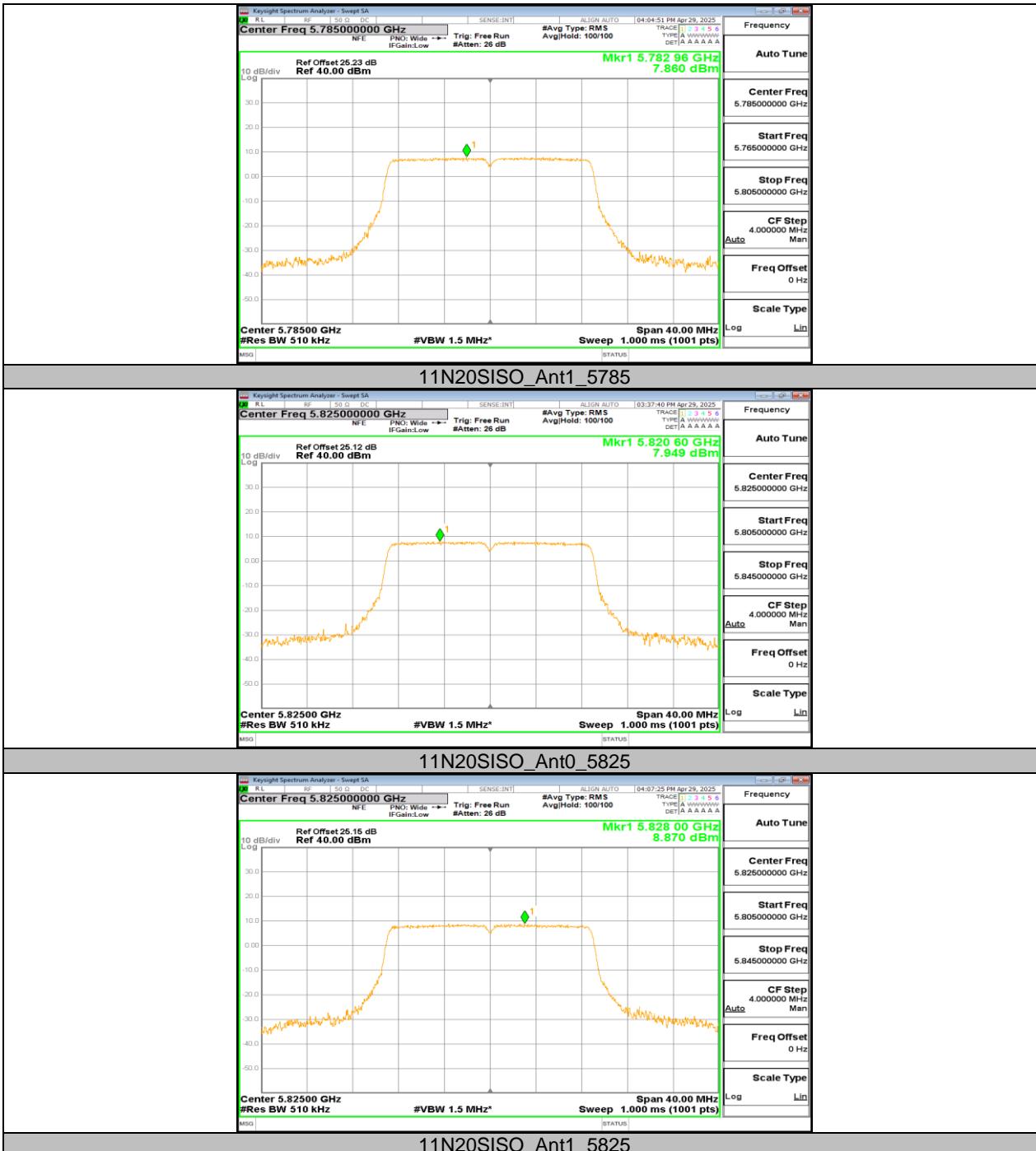
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## 10.5.2. Test Graphs









## 10.6. APPENDIX I: FREQUENCY STABILITY

### 10.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp .	Volt .	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5824.991 <sub>7</sub>	-1.43	5824.9852	-2.54	5824.979 <sub>2</sub>	-3.58	5824.995 <sub>2</sub>	-0.82
TN	VN	5825.004 <sub>0</sub>	0.69	5825.0230	3.96	5824.993 <sub>5</sub>	-1.12	5824.976 <sub>0</sub>	-4.13
TN	VH	5824.996 <sub>0</sub>	-0.69	5824.9815	-3.18	5824.976 <sub>6</sub>	-4.02	5825.005 <sub>0</sub>	0.86
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp .	Volt .	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
70	VN	5825.022 <sub>9</sub>	3.93	5824.999 <sub>1</sub>	-0.15	5825.013 <sub>2</sub>	2.26	5825.010 <sub>8</sub>	1.85
60	VN	5825.005 <sub>0</sub>	0.85	5825.008 <sub>8</sub>	1.51	5824.980 <sub>9</sub>	-3.29	5825.010 <sub>3</sub>	1.77
50	VN	5824.982 <sub>4</sub>	-3.03	5824.988 <sub>7</sub>	-1.94	5824.976 <sub>9</sub>	-3.97	5824.989 <sub>6</sub>	-1.79
40	VN	5825.021 <sub>4</sub>	3.67	5824.987 <sub>3</sub>	-2.18	5825.005 <sub>9</sub>	1.02	5824.999 <sub>5</sub>	-0.09
30	VN	5825.014 <sub>5</sub>	2.49	5825.010 <sub>2</sub>	1.75	5825.003 <sub>9</sub>	0.67	5825.024 <sub>8</sub>	4.26
20	VN	5824.978 <sub>2</sub>	-3.74	5824.983 <sub>6</sub>	-2.81	5824.978 <sub>5</sub>	-3.69	5824.984 <sub>5</sub>	-2.66
10	VN	5825.012 <sub>2</sub>	2.10	5824.993 <sub>7</sub>	-1.09	5825.003 <sub>7</sub>	0.64	5824.995 <sub>5</sub>	-0.77
0	VN	5825.020 <sub>5</sub>	3.52	5824.983 <sub>5</sub>	-2.84	5825.020 <sub>2</sub>	3.46	5824.980 <sub>8</sub>	-3.30
-10	VN	5825.022 <sub>9</sub>	3.93	5824.999 <sub>1</sub>	-0.15	5825.013 <sub>2</sub>	2.26	5825.010 <sub>8</sub>	1.85

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

## 10.7. APPENDIX J: DUTY CYCLE

### 10.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	100.30	100.30	1.0000	100.00	0.00	0.01	0.01
11N20SISO	100.30	100.30	1.0000	100.00	0.00	0.01	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

## 10.7.2. Test Graphs




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**END OF REPORT**