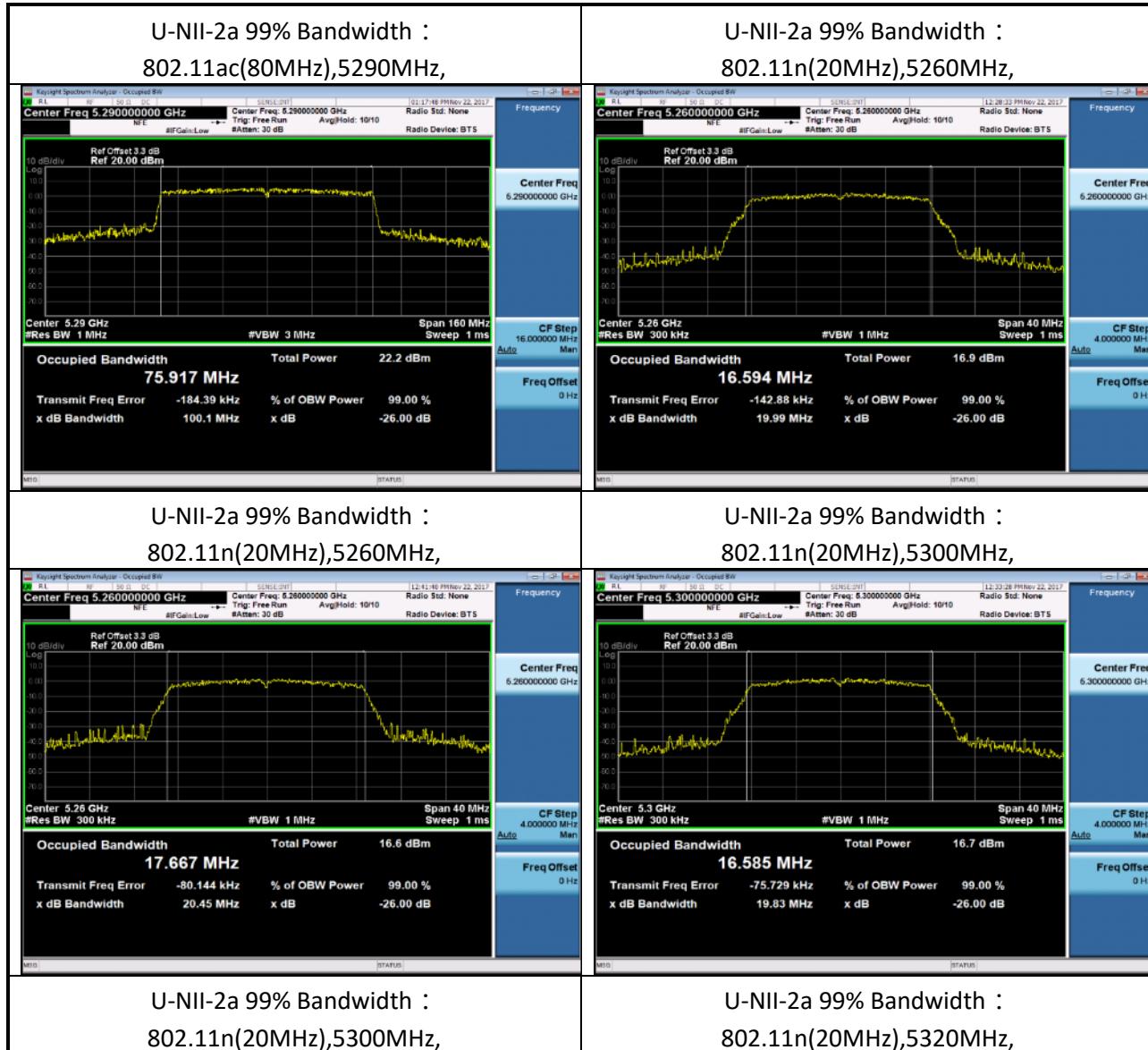
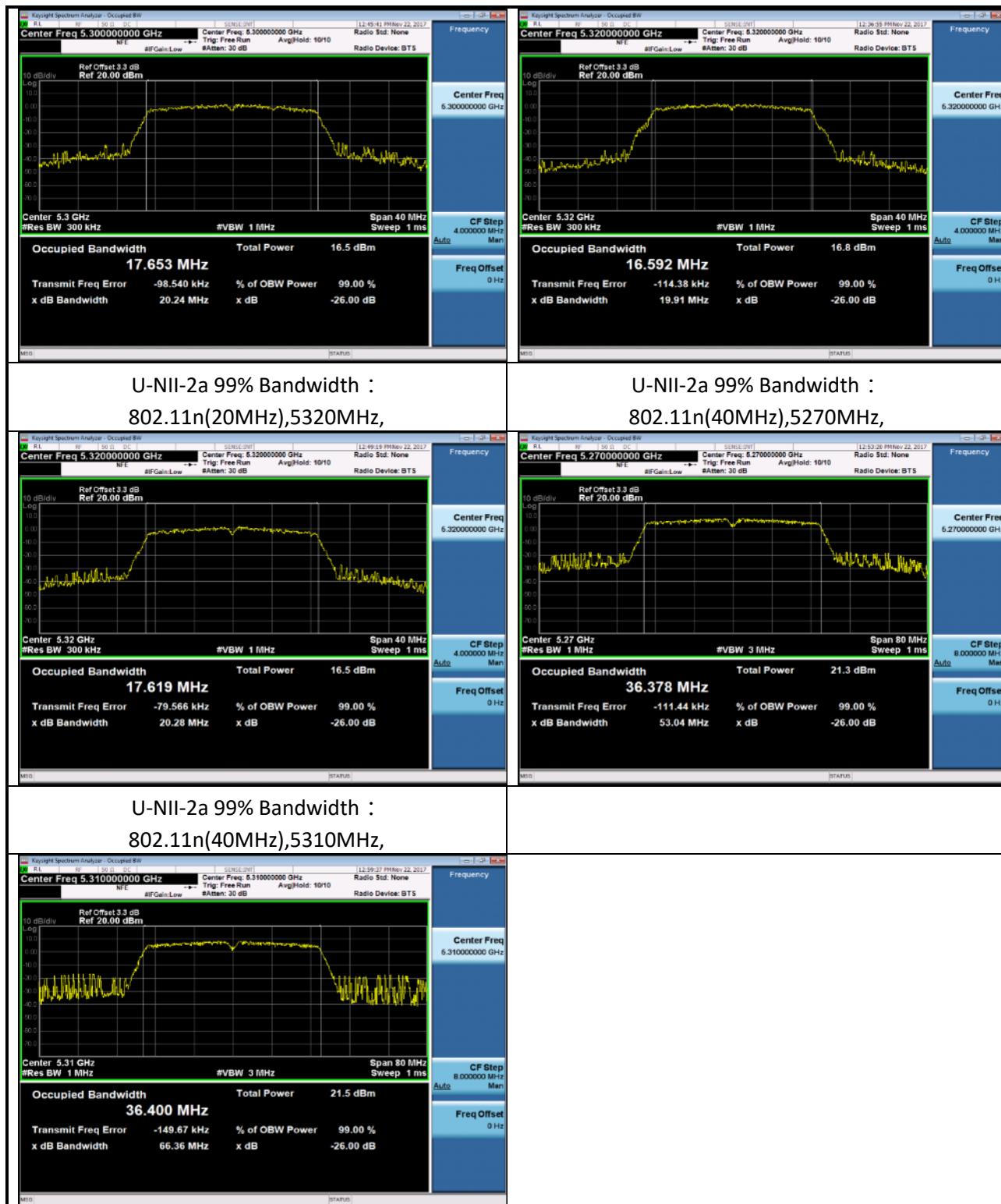


ANT 0:





9. Maximum conducted output power and e.i.r.p

9.1 Test Data

ANT 1:

U-NII-2a AVGSA Output Power						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Max Power (dBm)	Limit (dBm)	Result
802.11n(20MHz)	5260	Ant1	97.38	9.17	-	-
802.11n(20MHz)	5300	Ant1	97.38	9.07	-	-
802.11n(20MHz)	5320	Ant1	97.38	9.15	-	-
802.11n(40MHz)	5270	Ant1	94.88	12.34	-	-
802.11n(40MHz)	5310	Ant1	94.88	12.21	-	-
802.11ac(80MHz)	5290	Ant1	84.05	12.36	-	-
802.11a(20MHz)	5260	Ant1	97.55	13.71	24	Pass
802.11a(20MHz)	5300	Ant1	97.55	13.59	24	Pass
802.11a(20MHz)	5320	Ant1	97.55	13.62	24	Pass

ANT 0:

U-NII-2a AVGSA Output Power						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Max Power (dBm)	Limit (dBm)	Result
802.11n(20MHz)	5260	Ant0	97.38	10.57	-	-
802.11n(20MHz)	5300	Ant0	97.38	10.64	-	-
802.11n(20MHz)	5320	Ant0	97.38	10.44	-	-
802.11n(40MHz)	5270	Ant0	94.88	14.36	-	-
802.11n(40MHz)	5310	Ant0	94.88	14.32	-	-
802.11ac(80MHz)	5290	Ant0	84.18	14.35	-	-

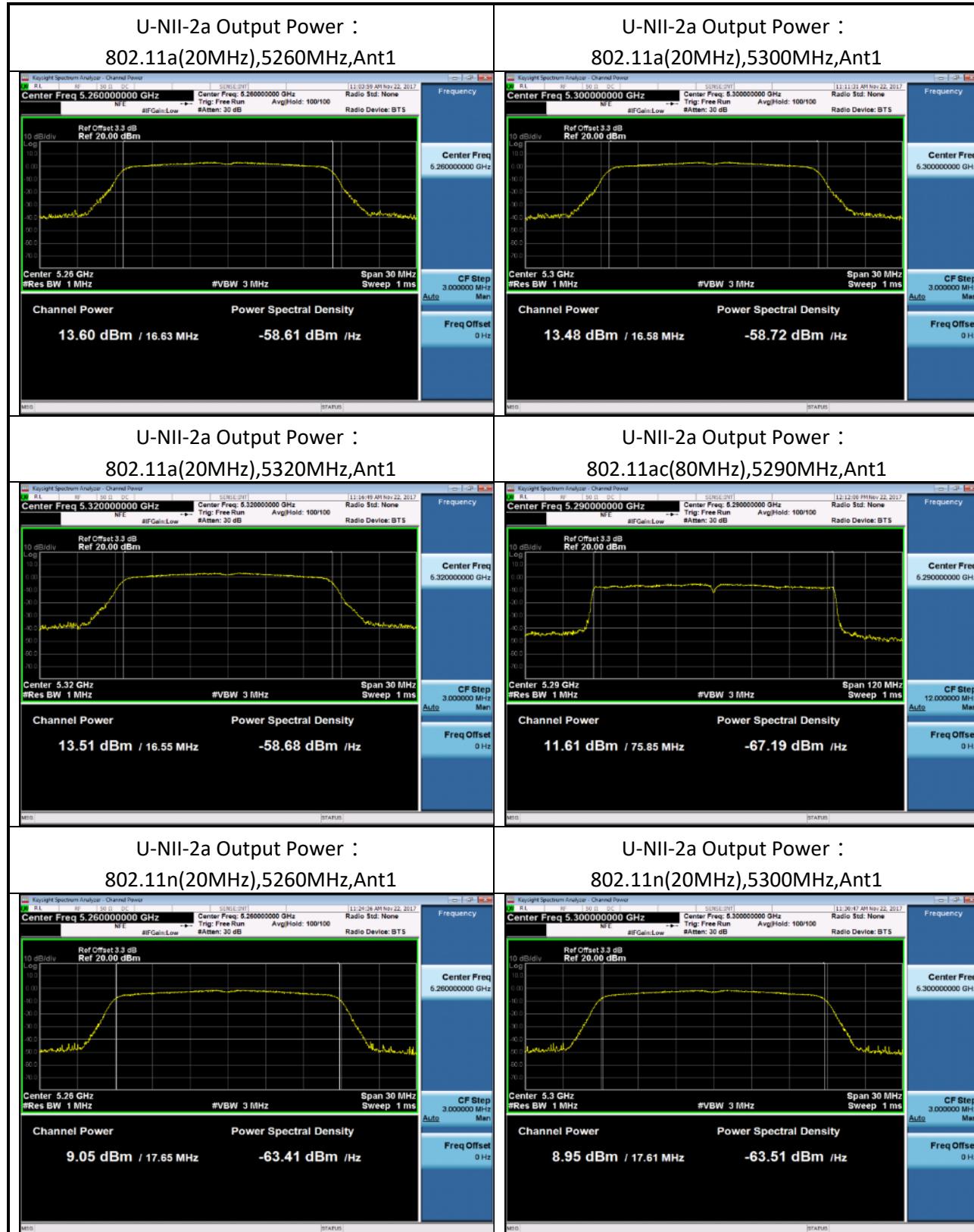
MIMO mode:

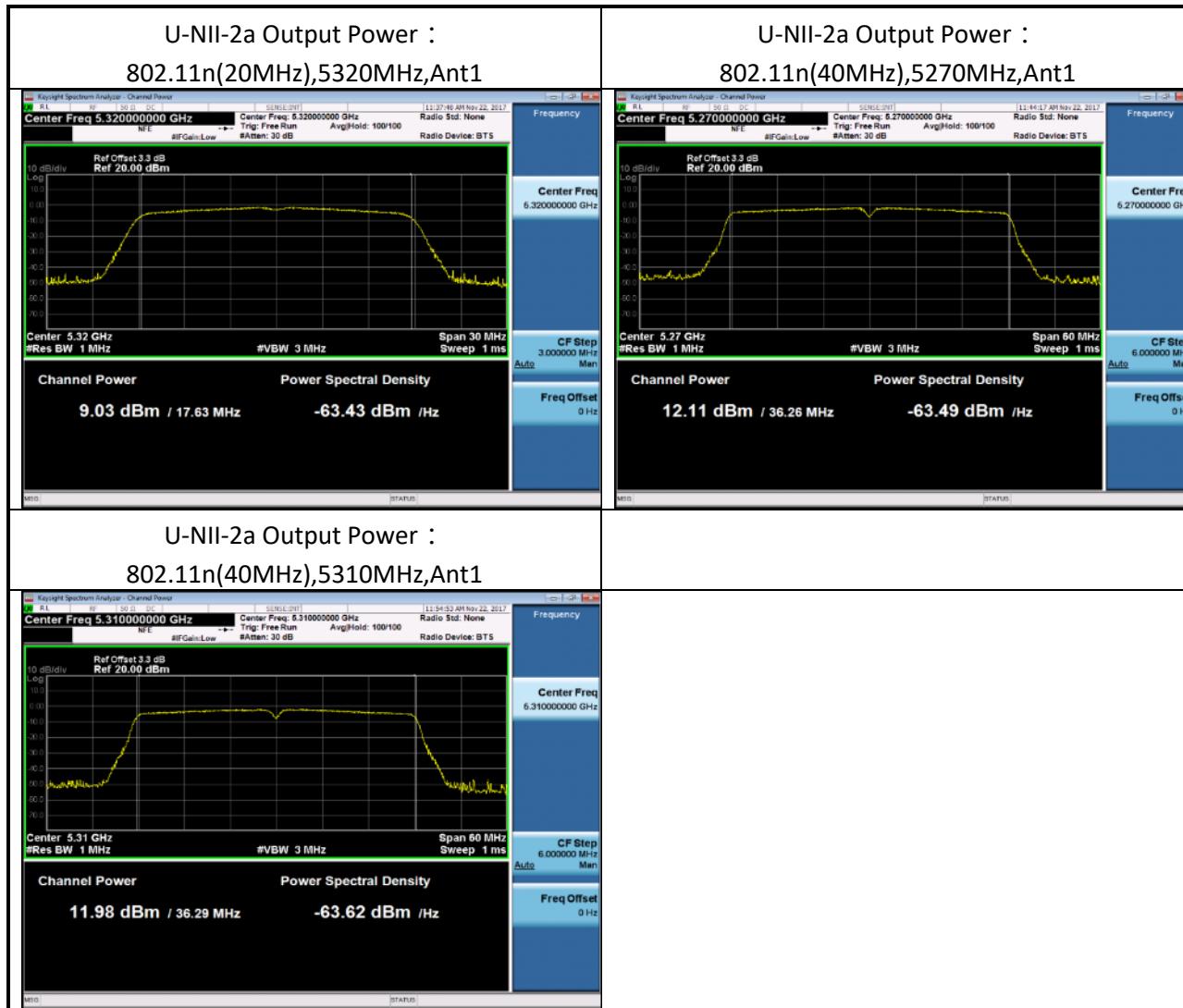
U-NII-2a AVGSA Output Power					
Mode	Test Frequency (MHz)	Ant	Max Power (dBm)	Limit (dBm)	Result
802.11n(20MHz)	5260	0+1	12.94	24	Pass
802.11n(20MHz)	5300	0+1	12.94	24	Pass

802.11n(20MHz)	5320	0+1	12.85	24	Pass
802.11n(40MHz)	5270	0+1	16.48	24	Pass
802.11n(40MHz)	5310	0+1	16.40	24	Pass
802.11ac(80MHz)	5290	0+1	16.48	24	Pass

9.2 Test Plots

ANT 1:

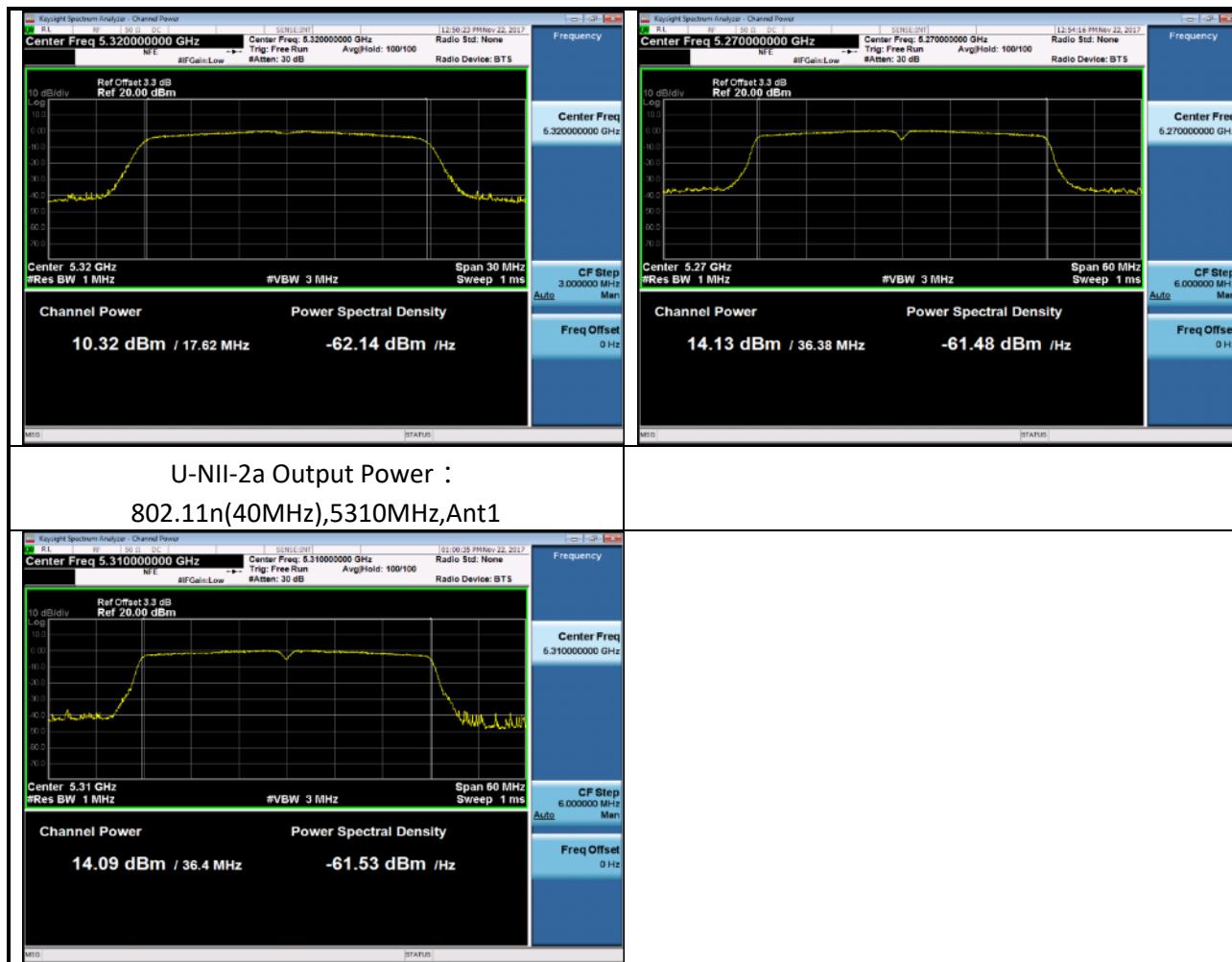




ANT 0:

U-NII-2a Output Power : 802.11ac(80MHz),5290MHz,Ant1	U-NII-2a Output Power : 802.11n(20MHz),5260MHz,Ant1
---	--





10. Power spectral density

10.1 Test Data

ANT 1:

U-NII-2a AVGSA Power Spectral Density						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11n(20MHz)	5260	Ant1	97.38	-0.18	-	-
802.11n(20MHz)	5300	Ant1	97.38	-0.75	-	-
802.11n(20MHz)	5320	Ant1	97.38	-0.61	-	-
802.11n(40MHz)	5270	Ant1	94.88	-1.01	-	-
802.11n(40MHz)	5310	Ant1	94.88	-1.10	-	-
802.11ac(80MHz)	5290	Ant1	84.05	-3.97	-	-
802.11a(20MHz)	5260	Ant1	97.55	3.98	11	Pass
802.11a(20MHz)	5300	Ant1	97.55	3.87	11	Pass
802.11a(20MHz)	5320	Ant1	97.55	3.78	11	Pass

ANT 0:

U-NII-2a AVGSA Power Spectral Density						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11n(20MHz)	5260	Ant0	97.38	1.01	-	-
802.11n(20MHz)	5300	Ant0	97.38	0.47	-	-
802.11n(20MHz)	5320	Ant0	97.38	0.38	-	-
802.11n(40MHz)	5270	Ant0	94.88	0.68	-	-
802.11n(40MHz)	5310	Ant0	94.88	0.80	-	-
802.11ac(80MHz)	5290	Ant0	84.18	-2.44	-	-

MIMO mode:

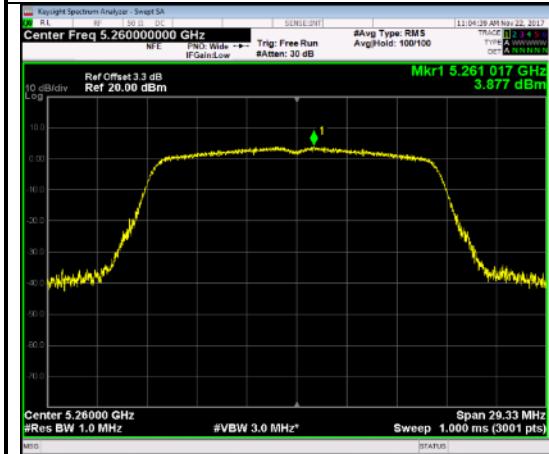
U-NII-2a AVGSA Power Spectral Density						
Mode	Test Frequency (MHz)	Ant	PSD (dBm/MHz)	Limit (dBm/MHz)	Result	
802.11n(20MHz)	5260	0+1	3.47	11	Pass	
802.11n(20MHz)	5300	0+1	2.91	11	Pass	

802.11n(20MHz)	5320	0+1	2.92	11	Pass
802.11n(40MHz)	5270	0+1	2.93	11	Pass
802.11n(40MHz)	5310	0+1	2.96	11	Pass
802.11ac(80MHz)	5290	0+1	-0.13	11	Pass

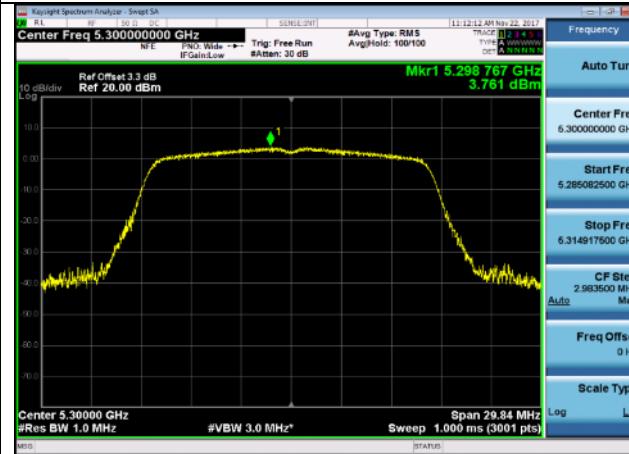
10.2 Test Plots

ANT 1:

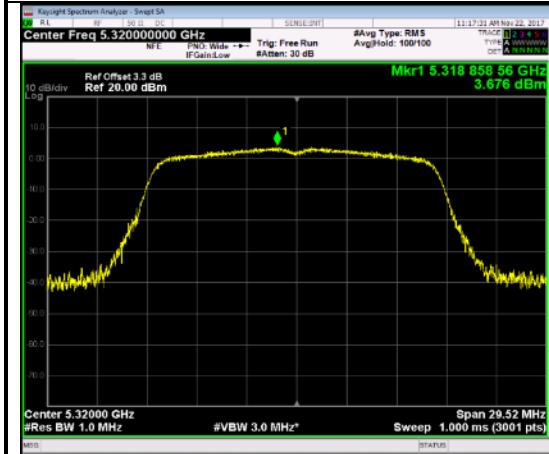
U-NII-2a Power spectral density :
802.11a(20MHz),5260MHz,Ant1



U-NII-2a Power spectral density :
802.11a(20MHz),5300MHz,Ant1



U-NII-2a Power spectral density :
802.11a(20MHz),5320MHz,Ant1

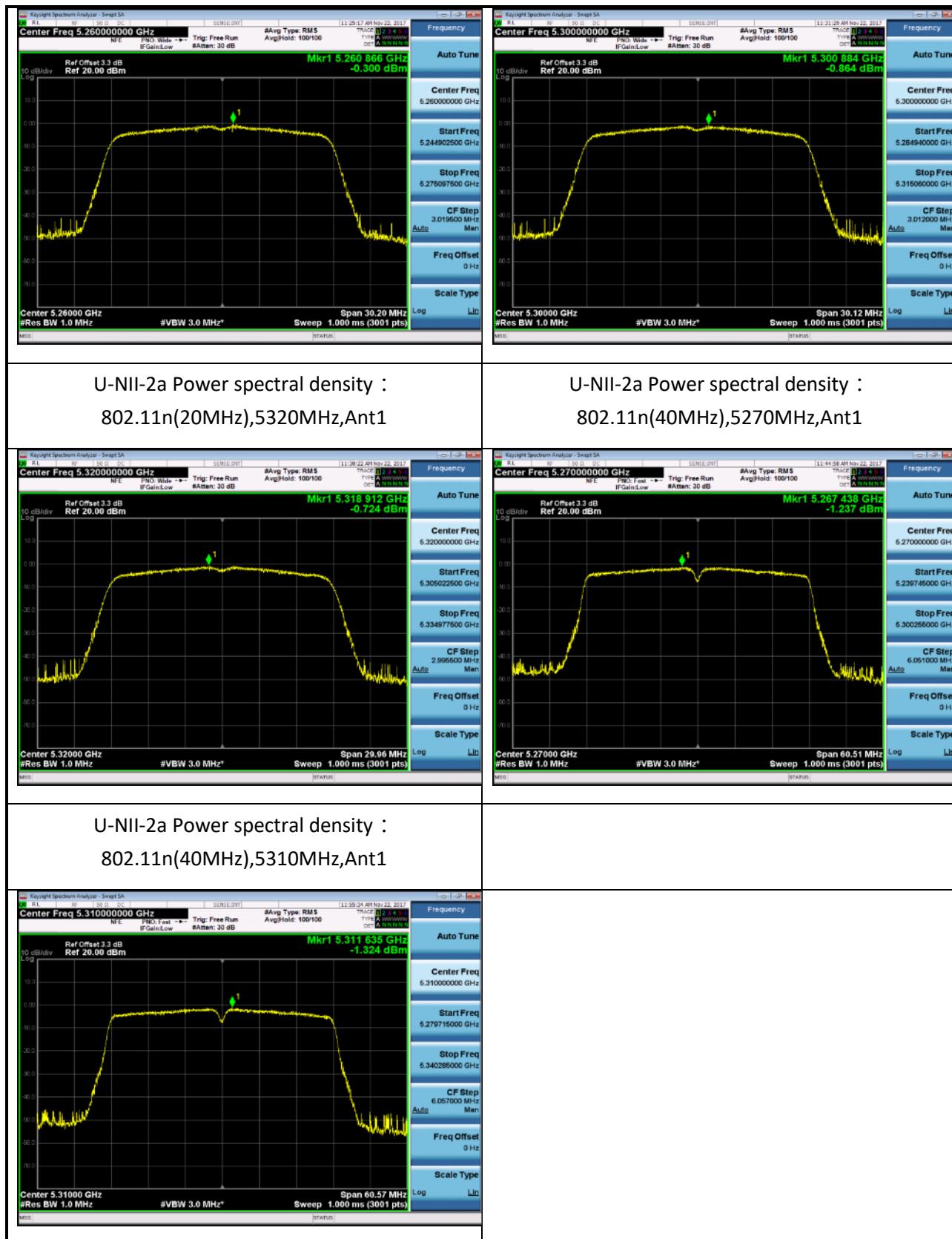


U-NII-2a Power spectral density :
802.11ac(80MHz),5290MHz,Ant1

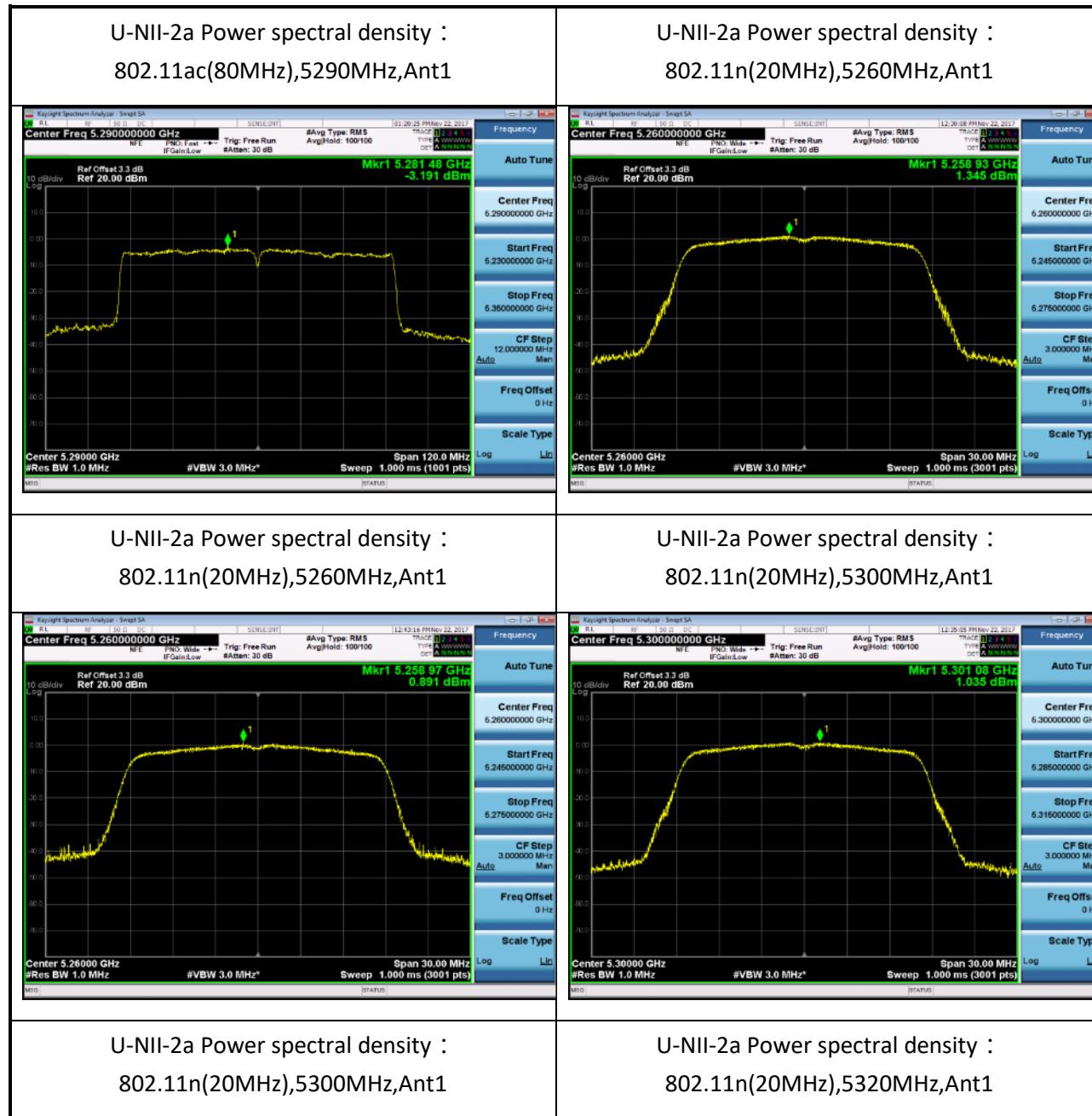


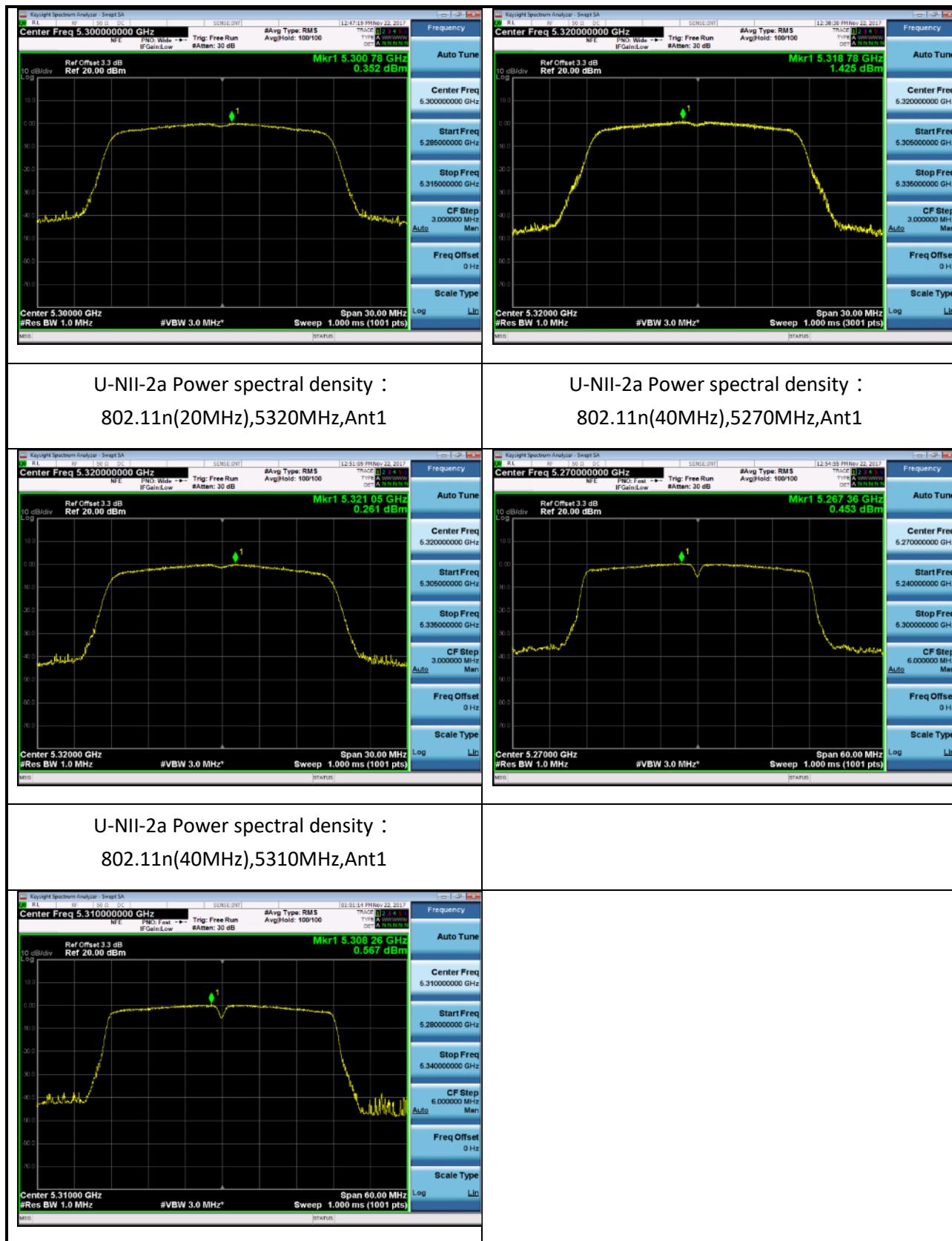
U-NII-2a Power spectral density :
802.11n(20MHz),5260MHz,Ant1

U-NII-2a Power spectral density :
802.11n(20MHz),5300MHz,Ant1



ANT 0:





U-NII-2C

11. Duty Cycle

11.1 Test Data

ANT 1:

U-NII-2c Duty Cycle			
Mode	Test Frequency(MHz)	Duty Cycle(%)	Result
802.11n(20MHz)	5500	97.26	-
802.11n(20MHz)	5600	97.38	-
802.11n(20MHz)	5700	97.38	-
802.11n(40MHz)	5510	94.87	-
802.11n(40MHz)	5590	94.88	-
802.11n(40MHz)	5670	94.88	-
802.11ac(80MHz)	5530	84.18	-
802.11ac(80MHz)	5610	84.22	-
802.11a(20MHz)	5500	97.55	-
802.11a(20MHz)	5600	97.55	-
802.11a(20MHz)	5700	97.55	-

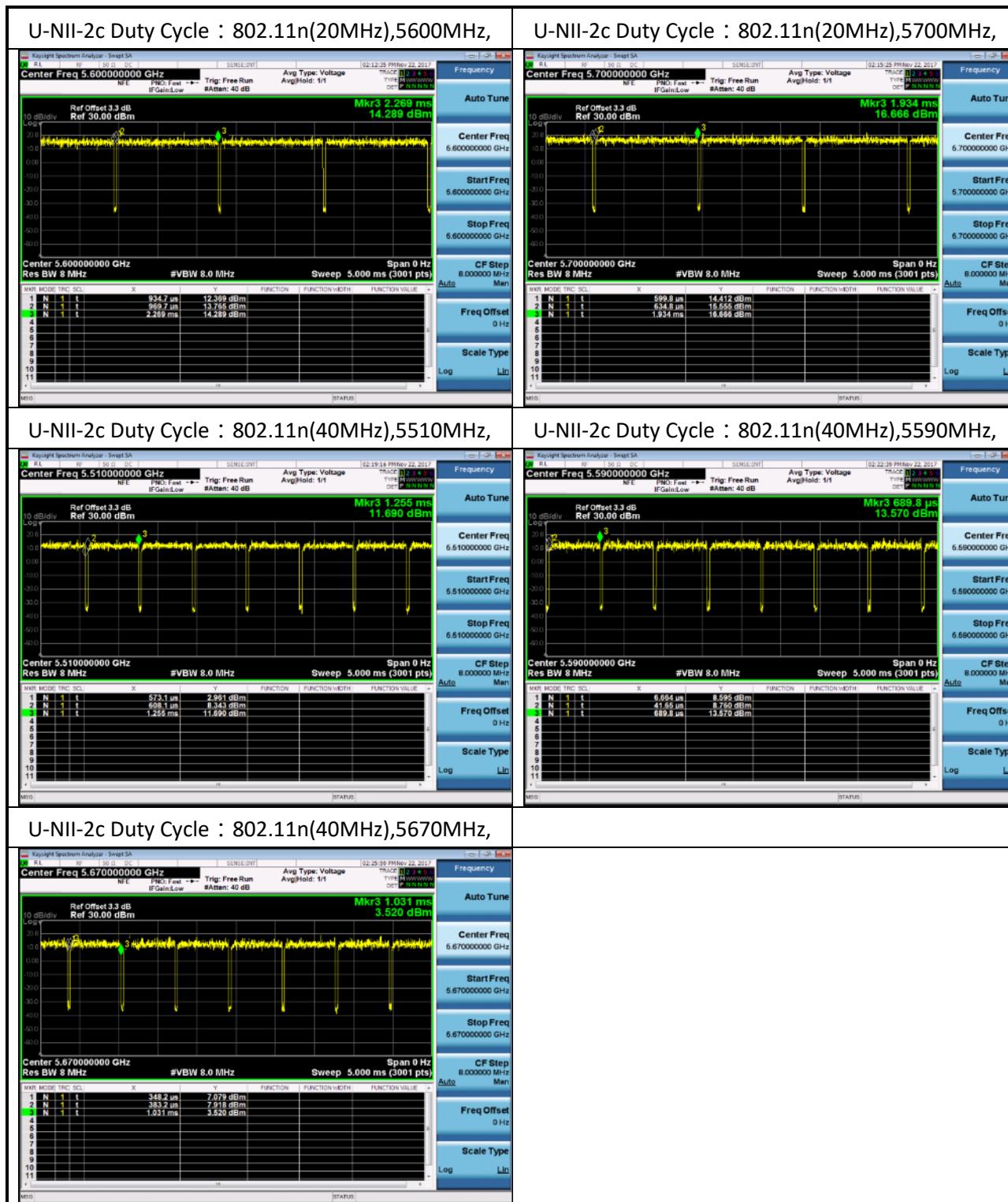
ANT 0:

U-NII-2c Duty Cycle			
Mode	Test Frequency(MHz)	Duty Cycle(%)	Result
802.11n(20MHz)	5500	97.26	-
802.11n(20MHz)	5600	97.38	-
802.11n(20MHz)	5700	97.38	-
802.11n(40MHz)	5510	94.88	-
802.11n(40MHz)	5590	94.87	-
802.11n(40MHz)	5670	94.88	-
802.11ac(80MHz)	5530	84.24	-
802.11ac(80MHz)	5610	84.22	-

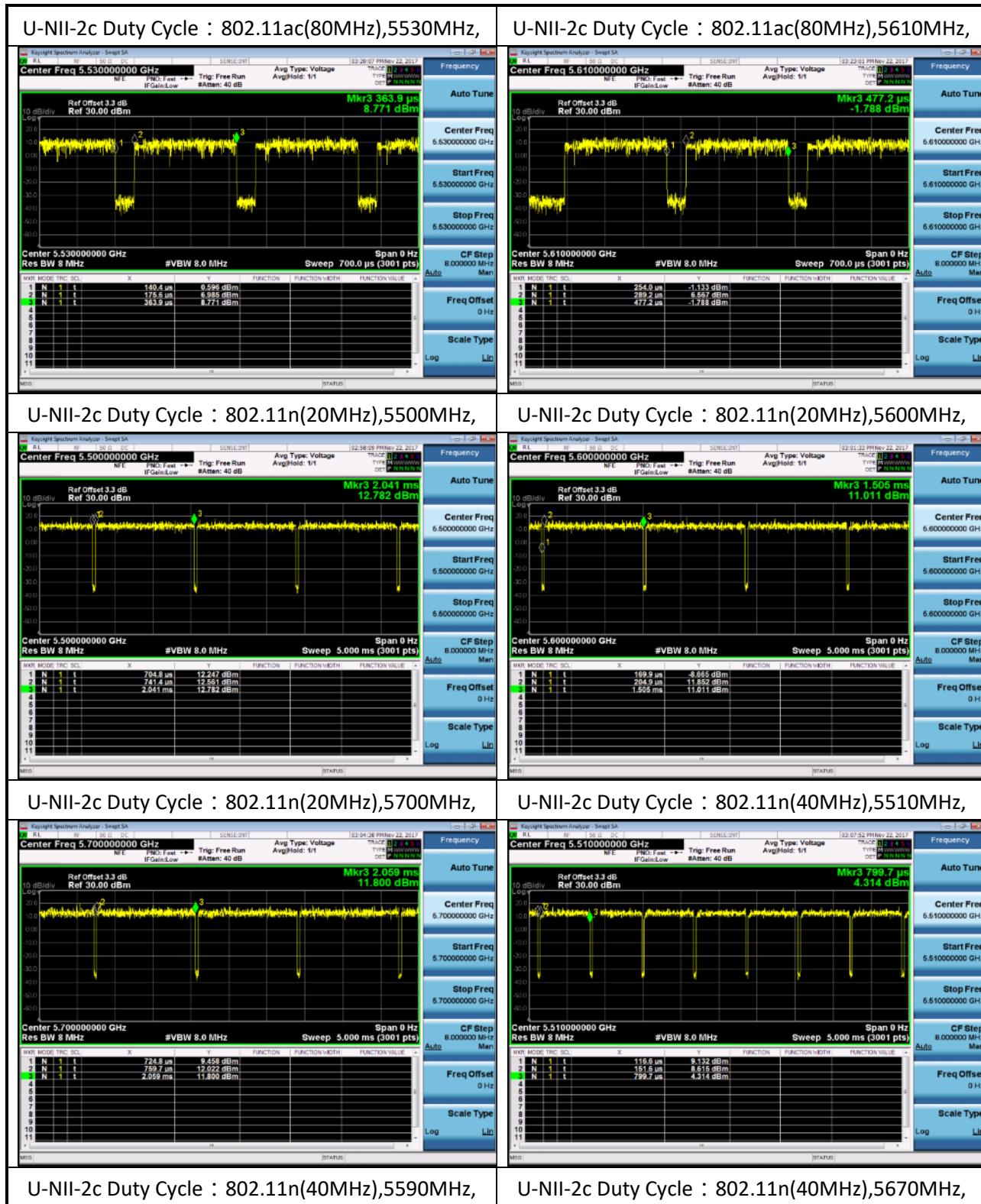
11.2 Test Plots

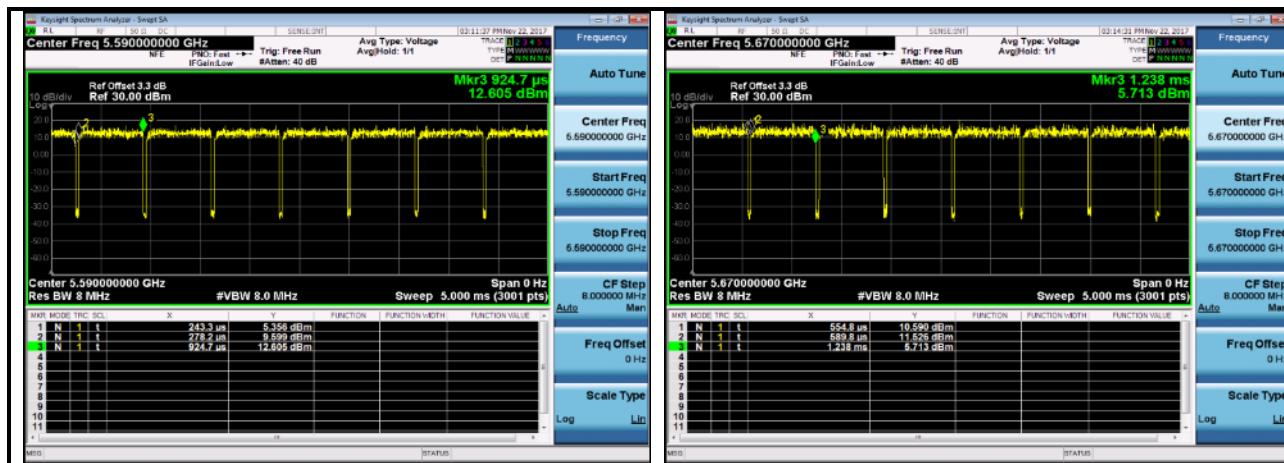
ANT 1:





ANT 2:





12. 26 dB bandwidth

12.1 Test Data

ANT 1:

U-NII-2c 26 dB Bandwidth			
Mode	Test Frequency(MHz)	26dB Bandwidth(MHz)	Result
802.11n(20MHz)	5500	19.96	-
802.11n(20MHz)	5600	19.89	-
802.11n(20MHz)	5700	20.03	-
802.11n(40MHz)	5510	40.06	-
802.11n(40MHz)	5590	40.18	-
802.11n(40MHz)	5670	40.22	-
802.11ac(80MHz)	5530	79.96	-
802.11ac(80MHz)	5610	79.97	-
802.11a(20MHz)	5500	19.29	-
802.11a(20MHz)	5600	19.62	-
802.11a(20MHz)	5700	19.45	-

ANT 0:

U-NII-2c Occupied N dB Bandwidth			
Mode	Test Frequency(MHz)	26dB Bandwidth(MHz)	Result
802.11n(20MHz)	5500	20.06	-
802.11n(20MHz)	5600	19.92	-
802.11n(20MHz)	5700	20.14	-
802.11n(40MHz)	5510	40.12	-
802.11n(40MHz)	5590	39.95	-
802.11n(40MHz)	5670	40.36	-
802.11ac(80MHz)	5530	91.66	-
802.11ac(80MHz)	5610	80.44	-

12.2 Test Plots

ANT 1:

