



Annex for 5G Wi-Fi BAND 3

Test Report No.: CTL2408152111-WF

TABLE OF CONTENTS

1. Bandwidth.....	3
1.1 Test Result	3
1.1.1 OBW.....	3
1.1.2 6dB BW	3
1.2 Test Graph.....	4
1.2.1 OBW	4
1.2.2 6dB BW	7
2. Maximum Conducted Output Power	10
2.1 Test Result	10
2.1.1 Power	10
2.2 Test Graph.....	11
2.2.1 Power	11
3. Maximum Power Spectral Density	14
3.1 Test Result	14
3.1.1 PSD-Band3.....	14
3.2 Test Graph.....	15
3.2.1 PSD-Band3.....	15
4. Frequency Stability	18
4.1 Test Result	18
4.1.1 Ant1	18



5. Form731 19

 5.1 Test Result 19

 5.1.1 Form731 19

FCCID: 2BKN6-RXHE30W

1. Bandwidth

1.1 Test Result

1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	17.451	/	Pass
		5785	1	17.481	/	Pass
		5825	1	17.717	/	Pass
802.11n (HT20)	SISO	5745	1	18.439	/	Pass
		5785	1	18.469	/	Pass
		5825	1	18.676	/	Pass

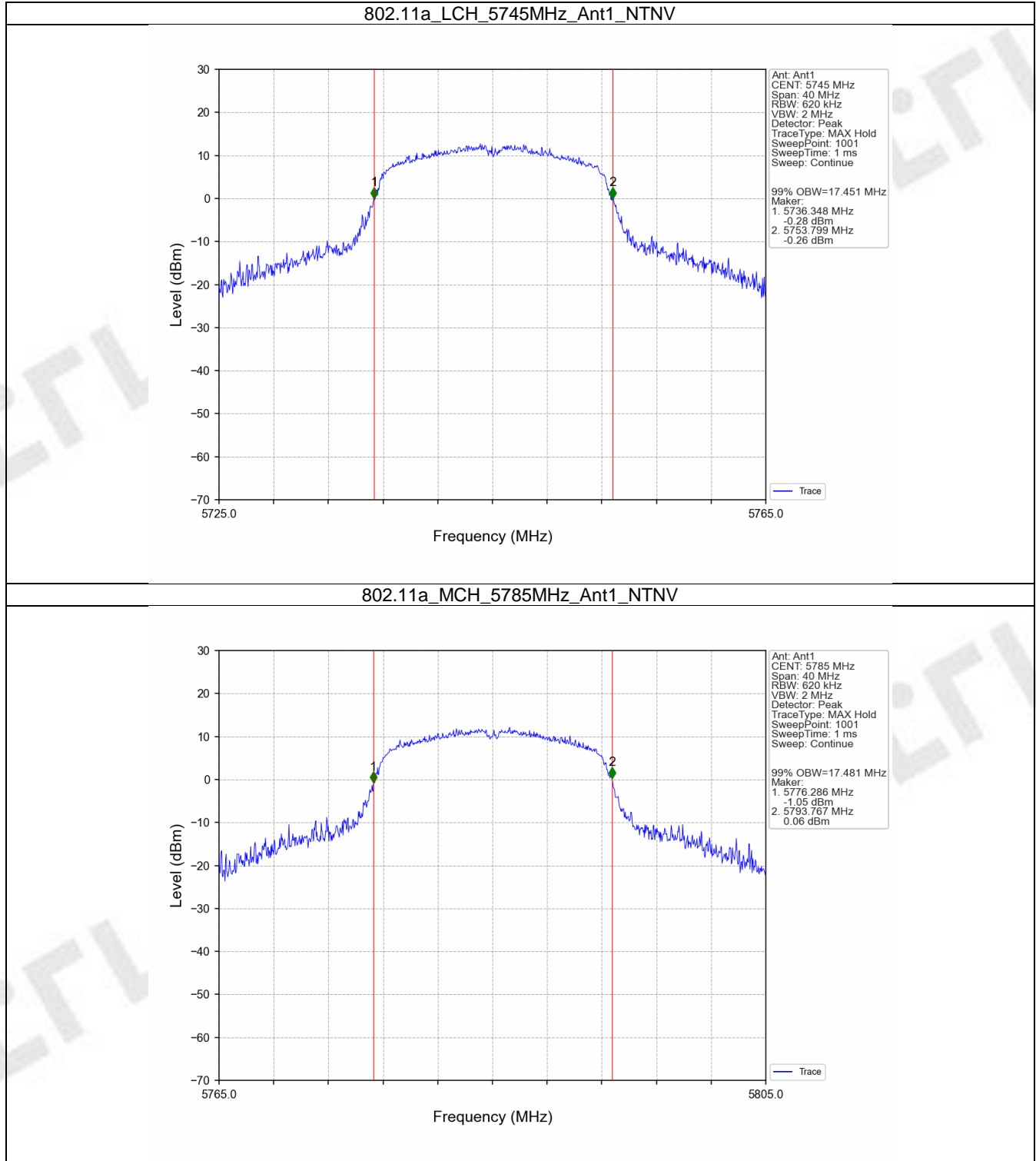
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.103	≥ 0.5	Pass
		5785	1	15.008	≥ 0.5	Pass
		5825	1	15.132	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	15.109	≥ 0.5	Pass
		5785	1	15.122	≥ 0.5	Pass
		5825	1	15.145	≥ 0.5	Pass

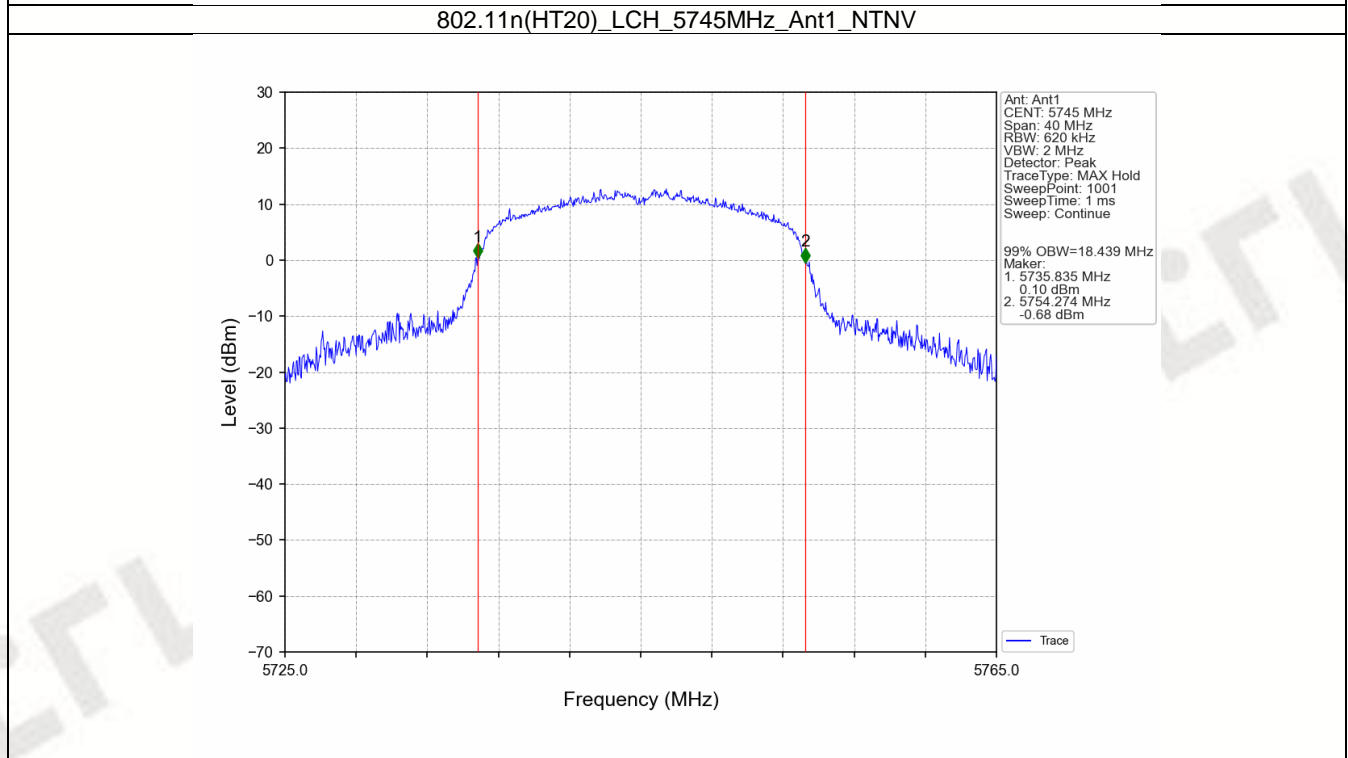
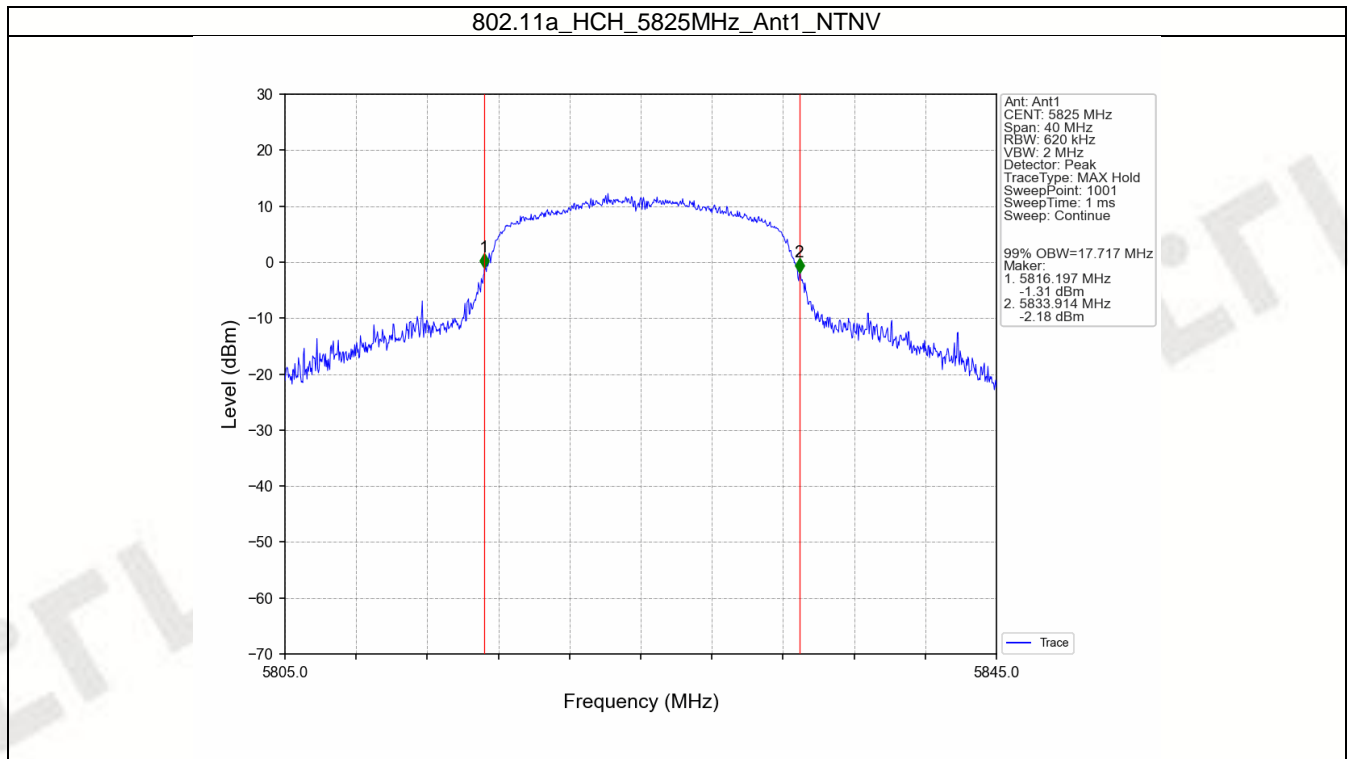
FCCID: 2BKN6-RXHE30W

1.2 Test Graph

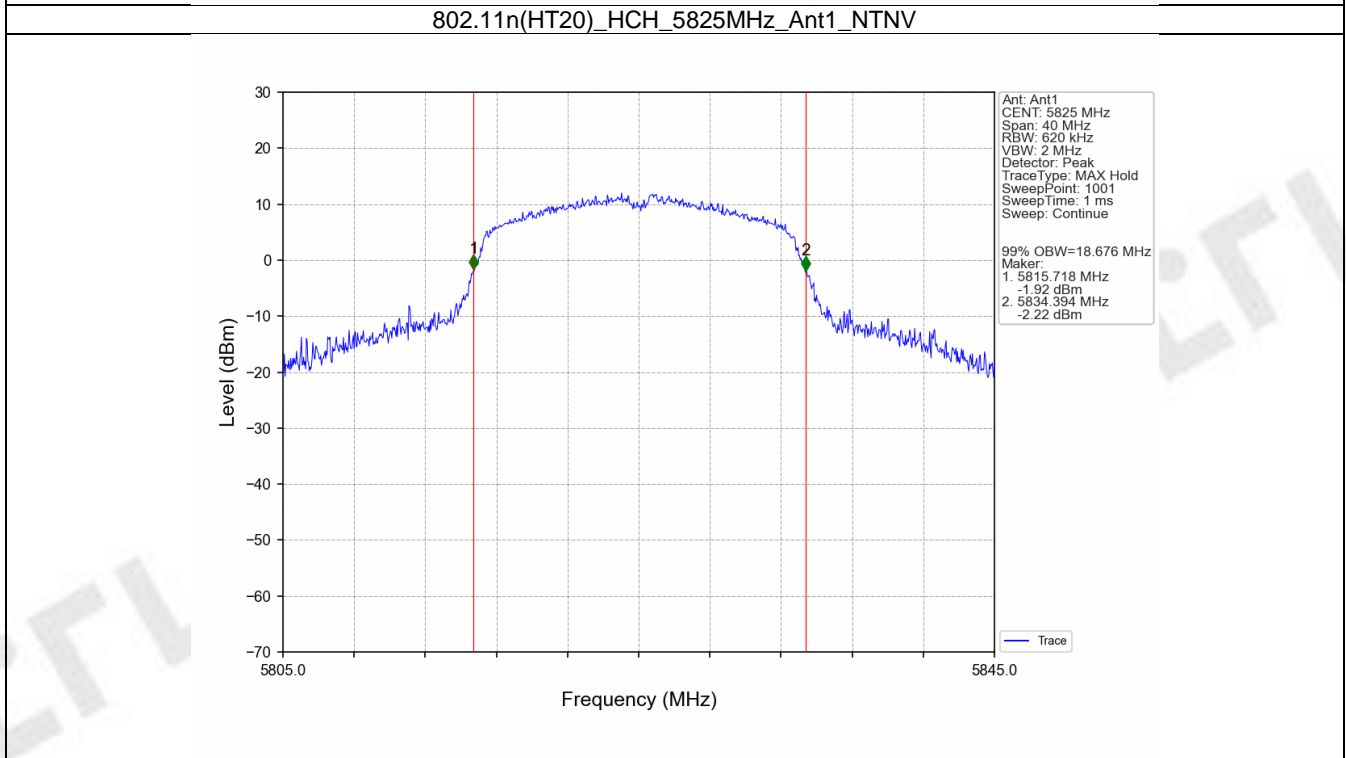
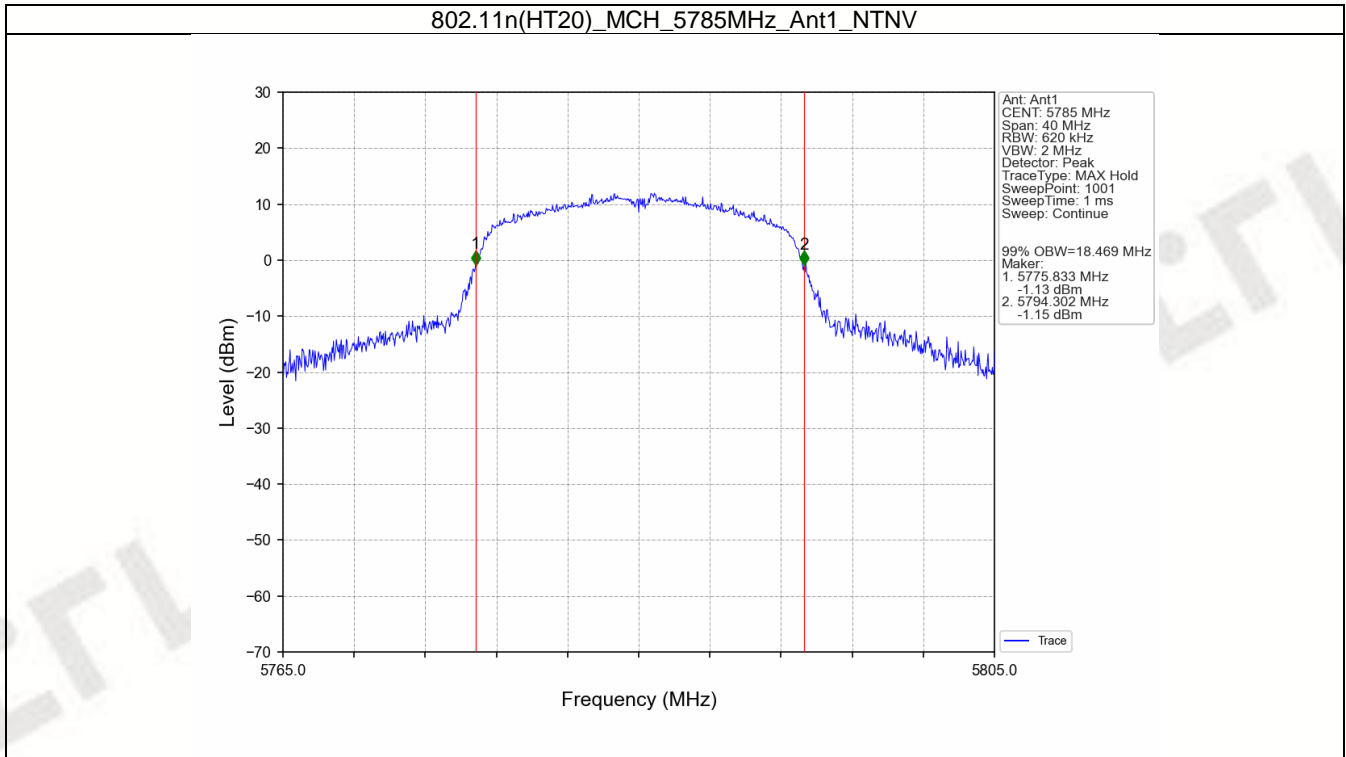
1.2.1 OBW



FCCID: 2BKN6-RXHE30W

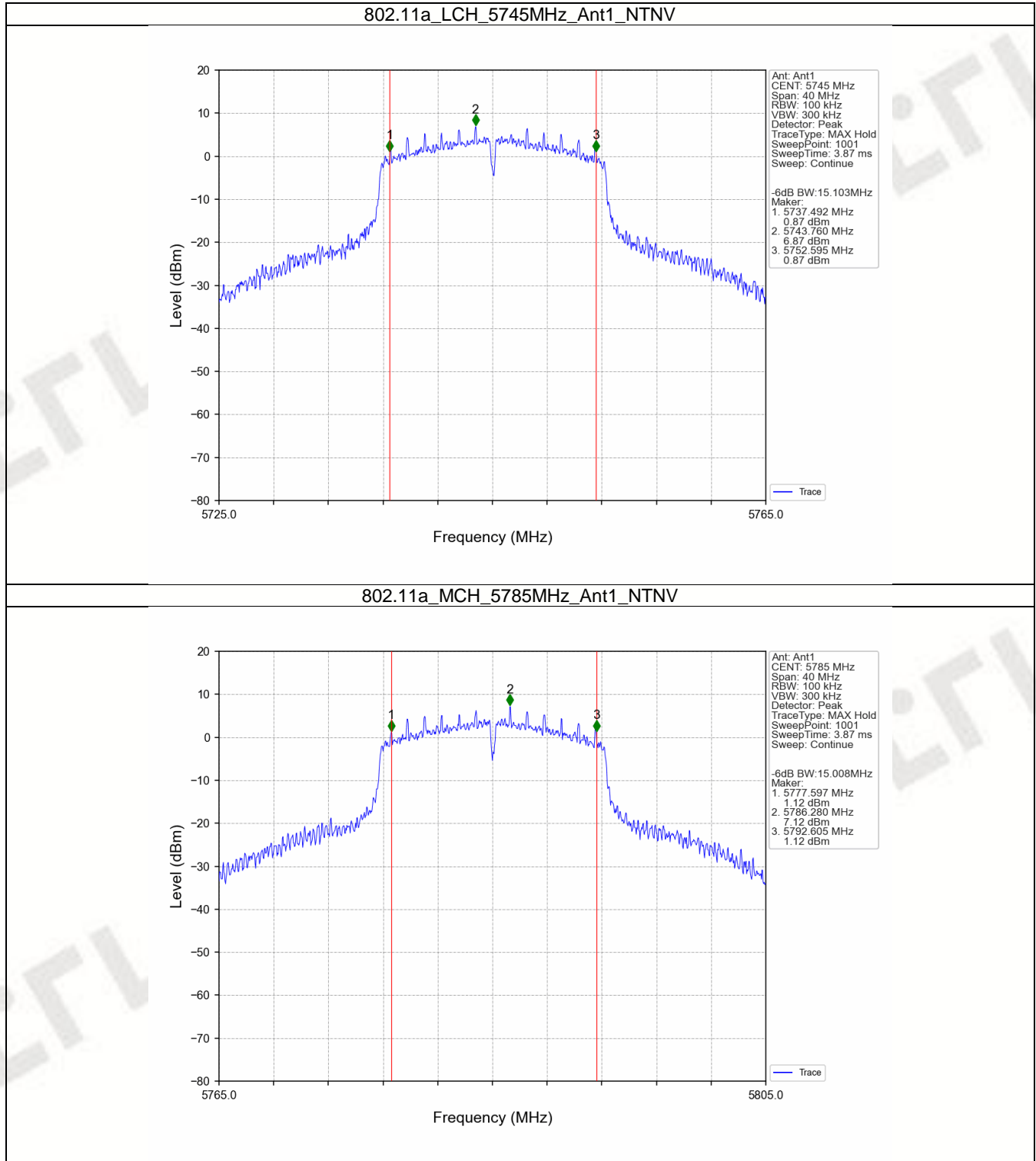


FCCID: 2BKN6-RXHE30W

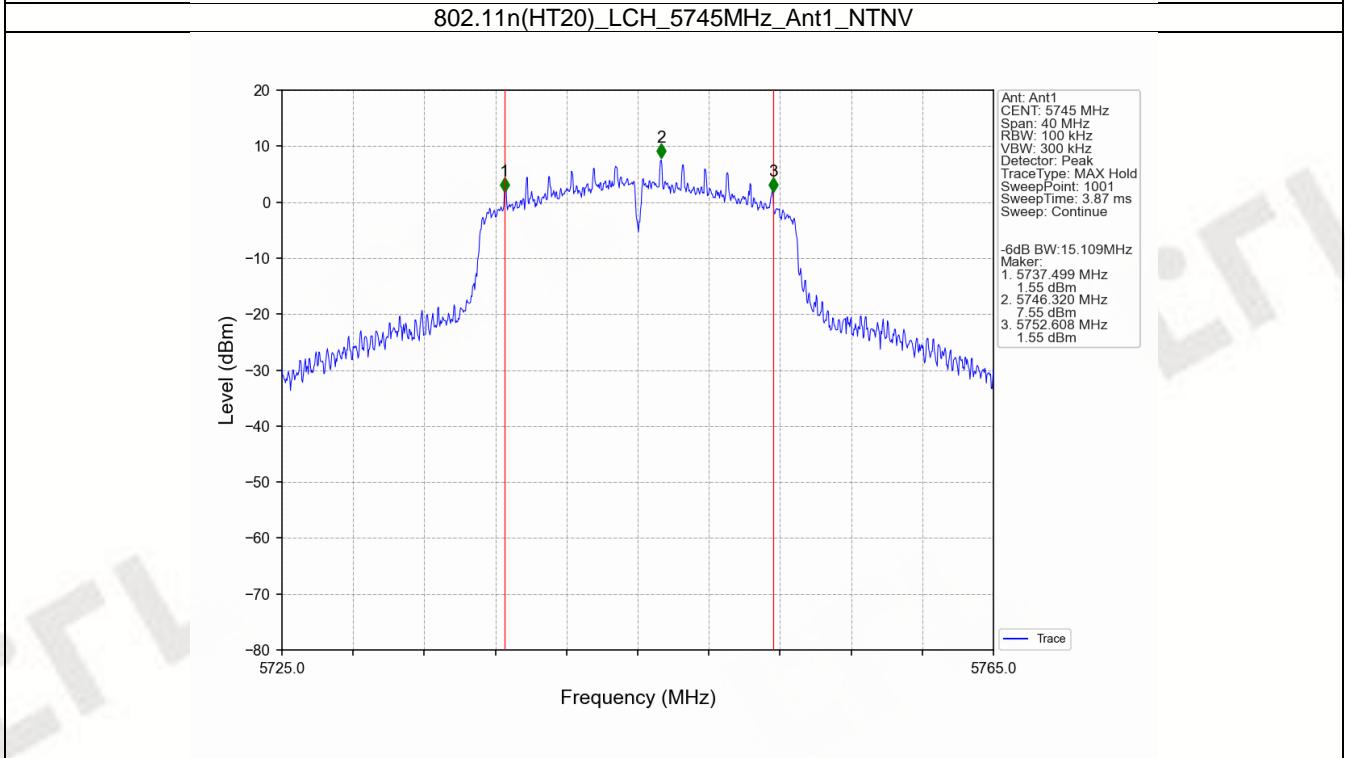
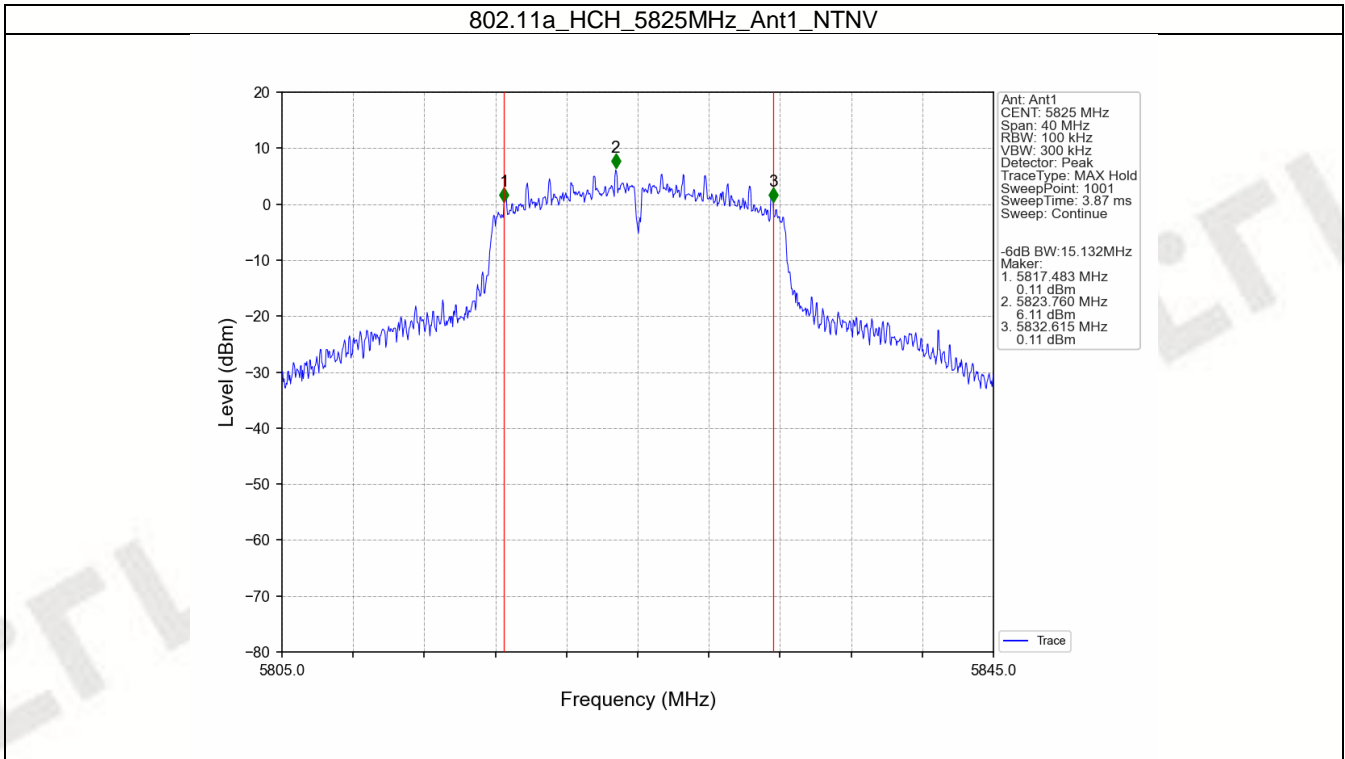


FCCID: 2BKN6-RXHE30W

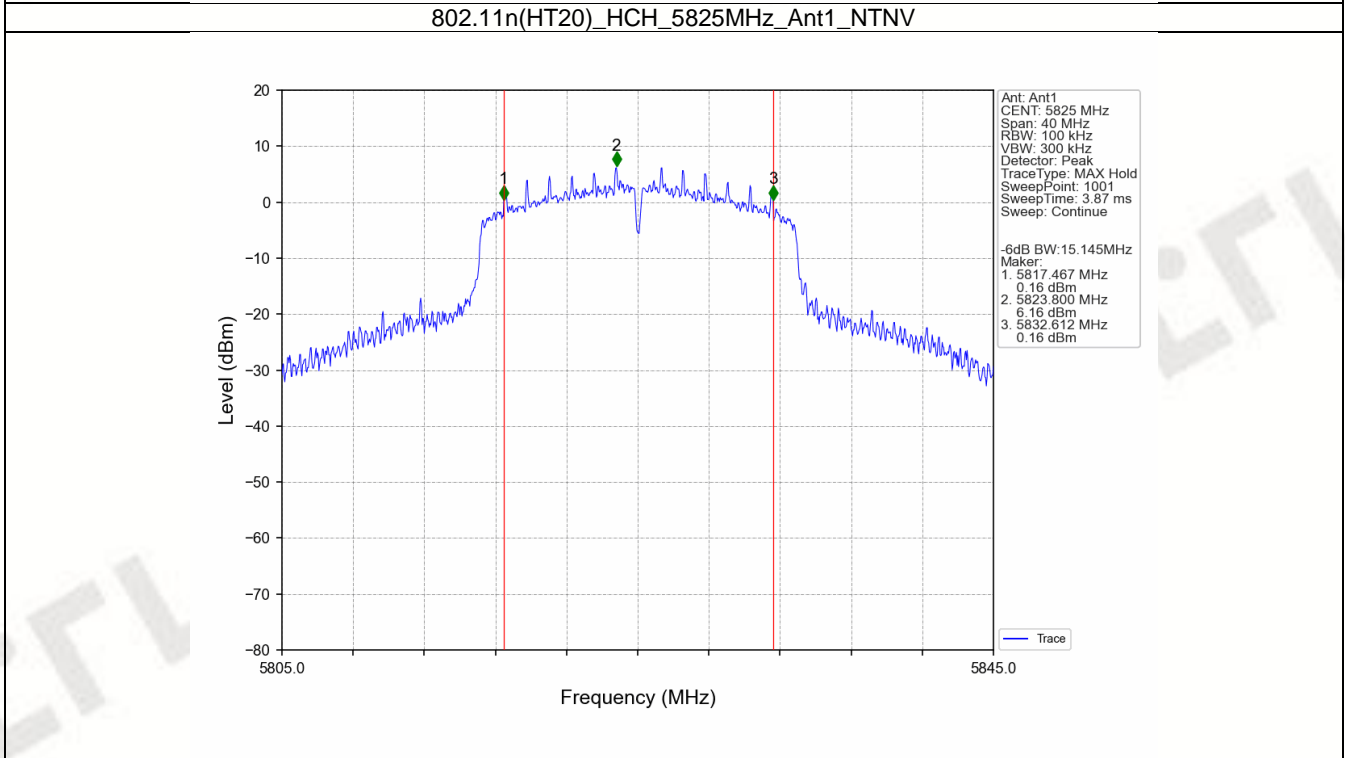
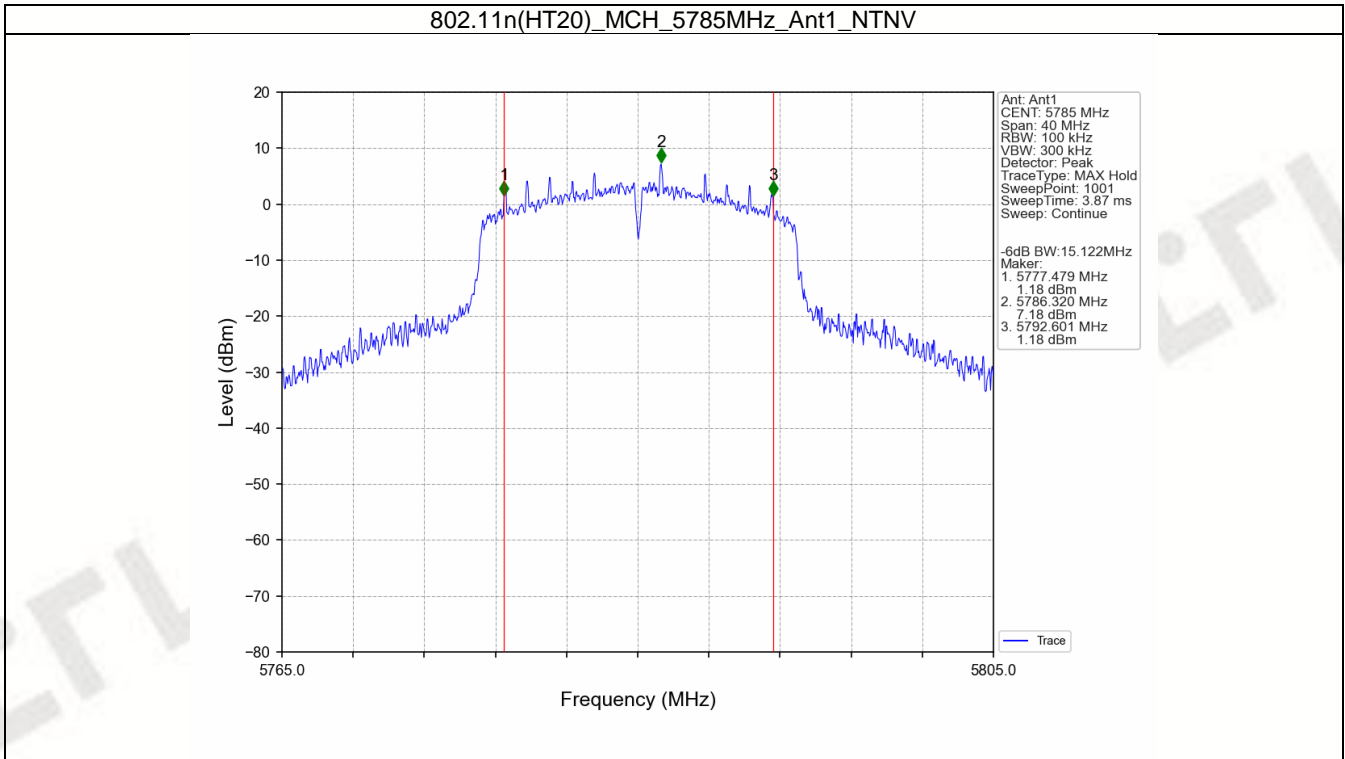
1.2.2 6dB BW



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

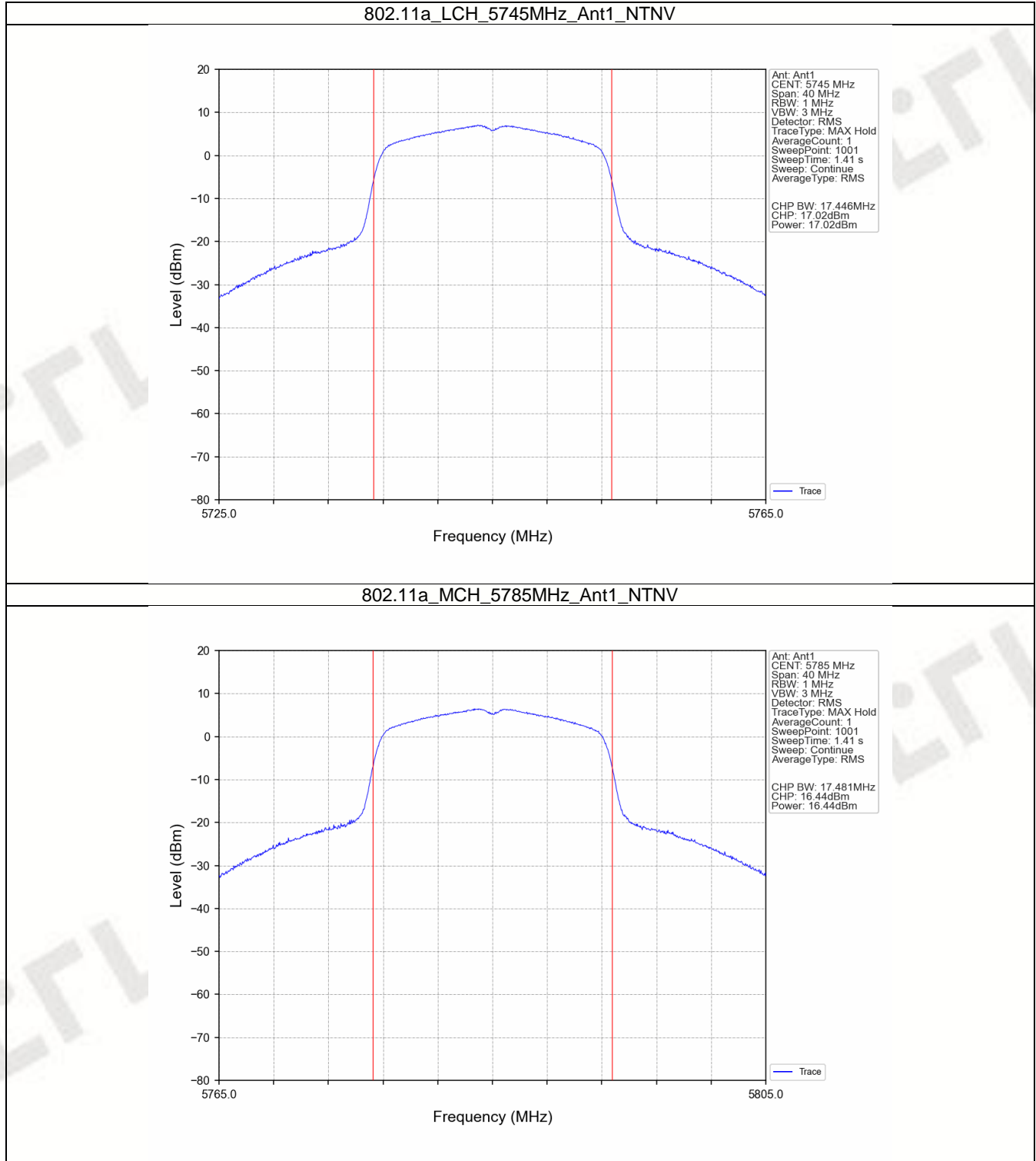
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	17.02	<=30	Pass
		5785	16.44	<=30	Pass
		5825	15.88	<=30	Pass
802.11n (HT20)	SISO	5745	16.92	<=30	Pass
		5785	16.31	<=30	Pass
		5825	15.71	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

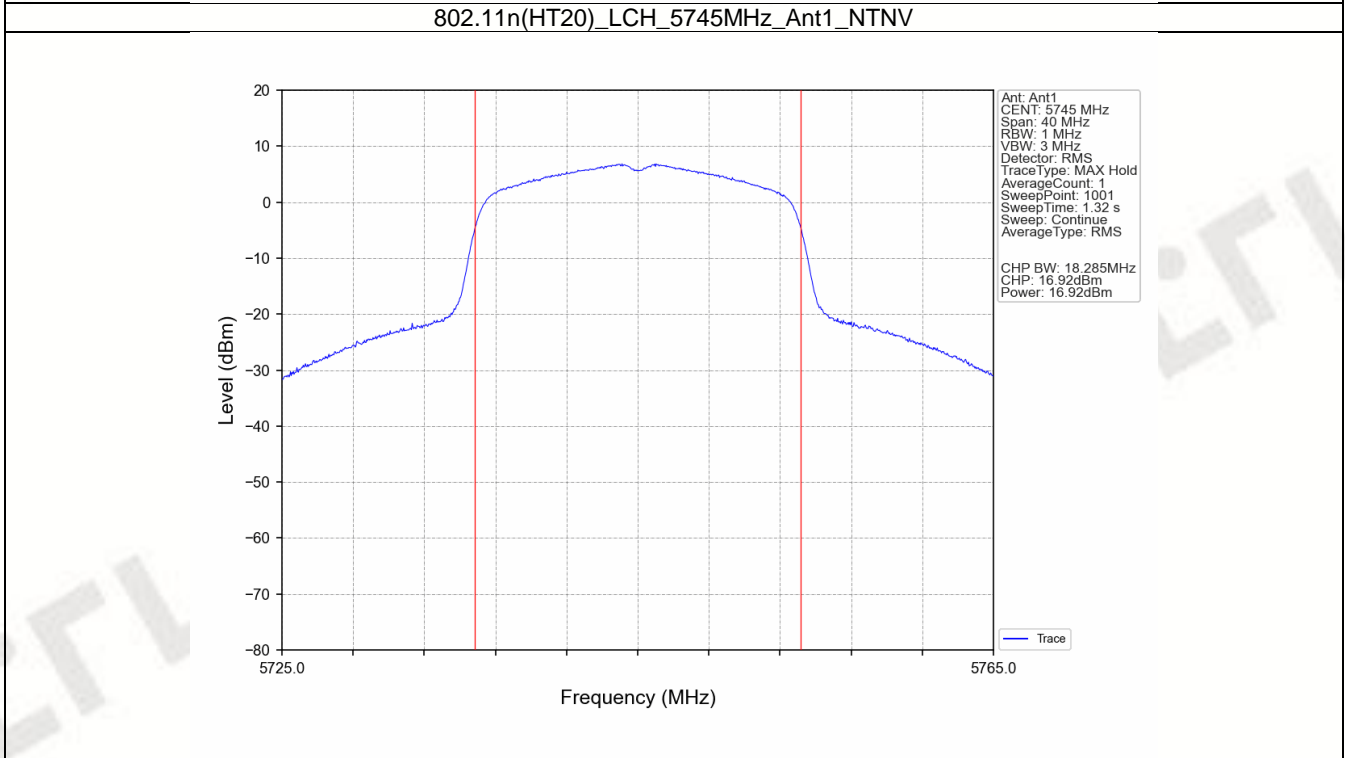
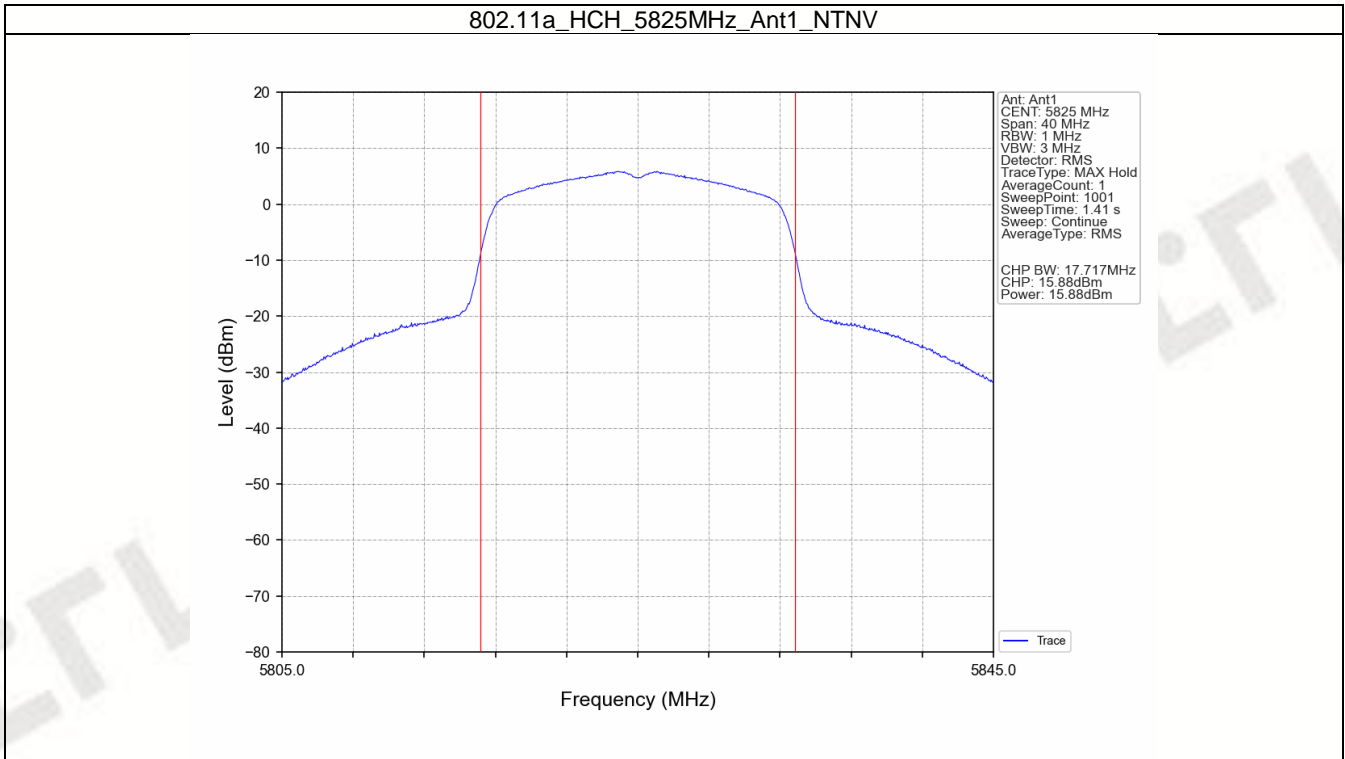
FCCID: 2BKN6-RXHE30W

2.2 Test Graph

2.2.1 Power

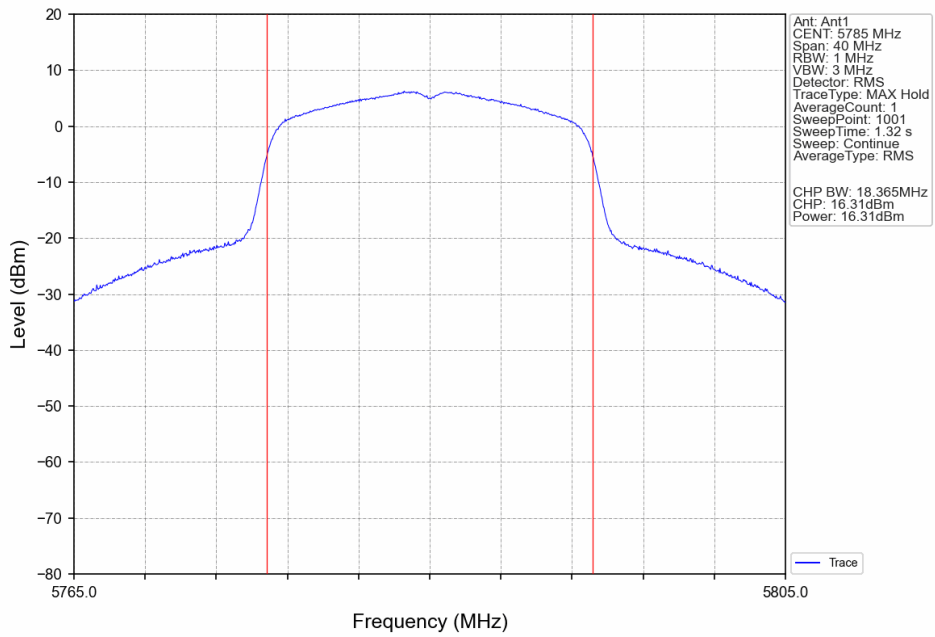


FCCID: 2BKN6-RXHE30W

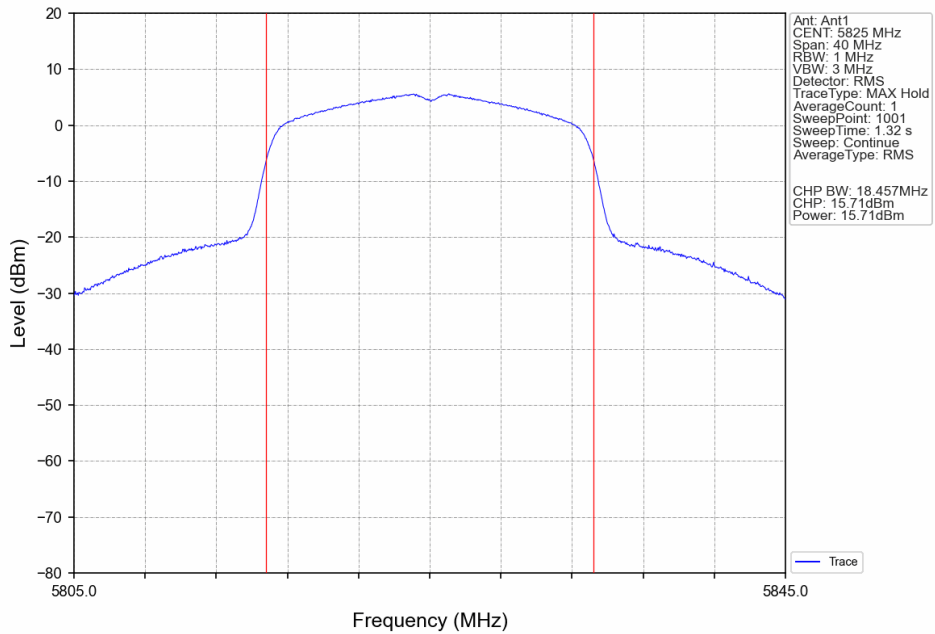


FCCID: 2BKN6-RXHE30W

802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



FCCID: 2BKN6-RXHE30W

3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD-Band3

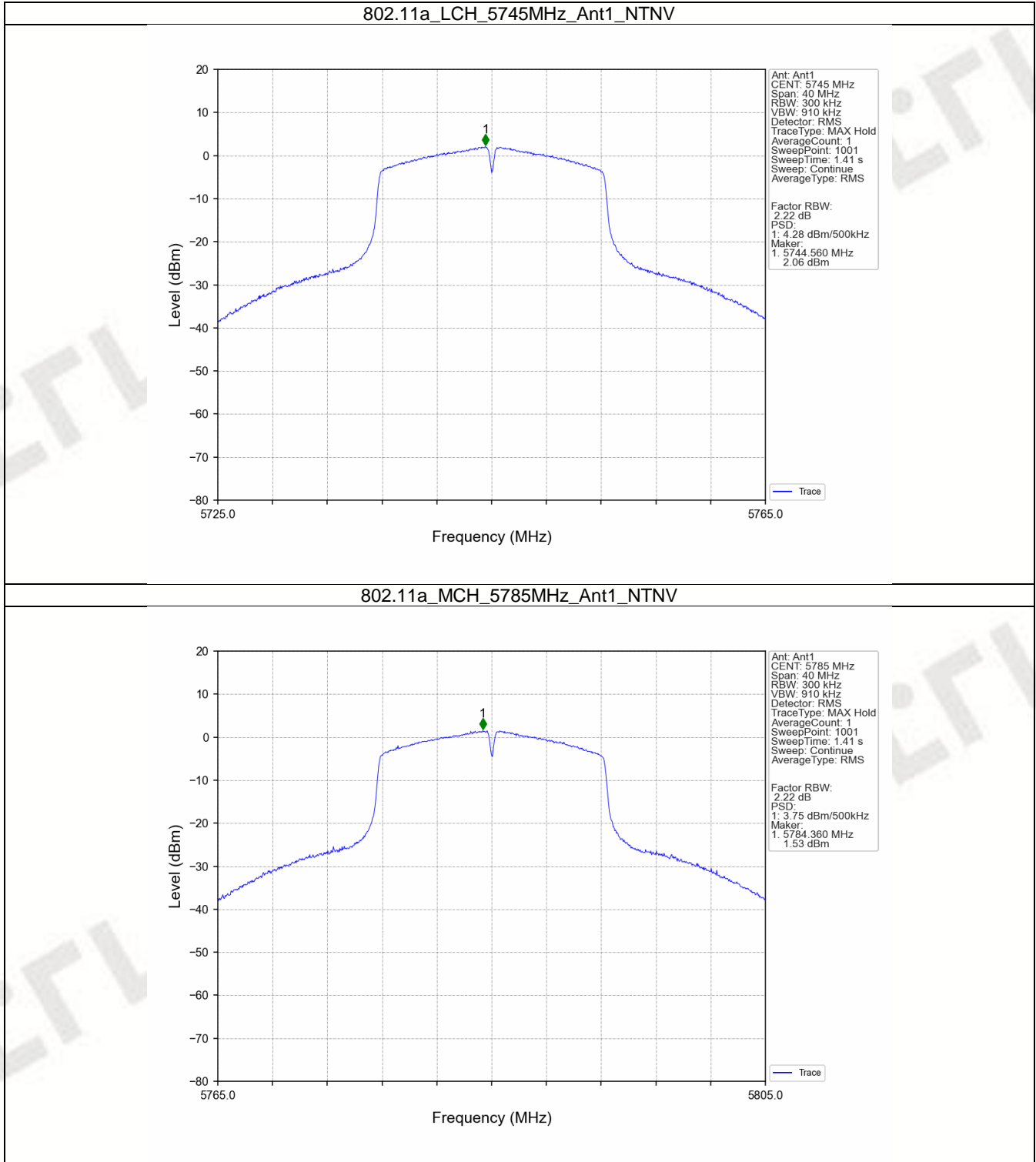
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	4.28	<=30	Pass
		5785	3.75	<=30	Pass
		5825	3.09	<=30	Pass
802.11n (HT20)	SISO	5745	4.01	<=30	Pass
		5785	3.45	<=30	Pass
		5825	2.83	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

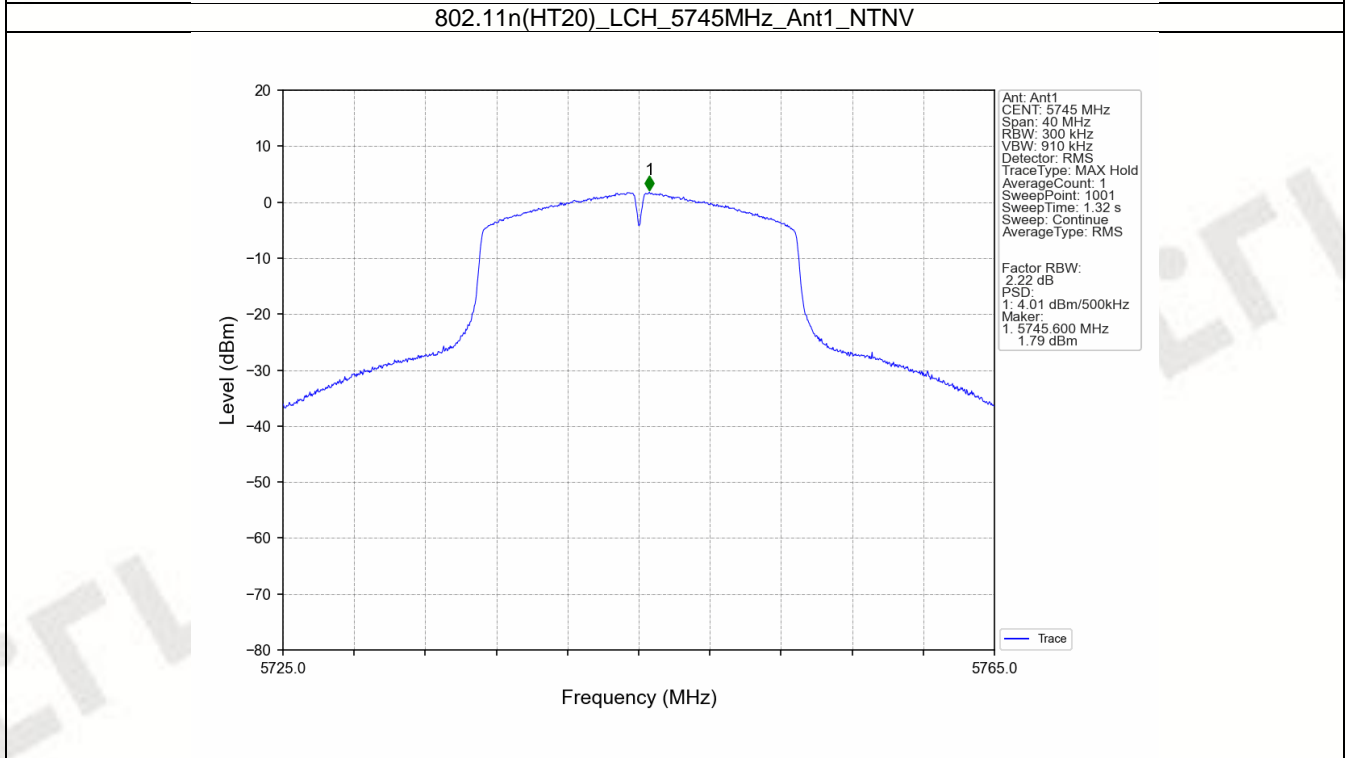
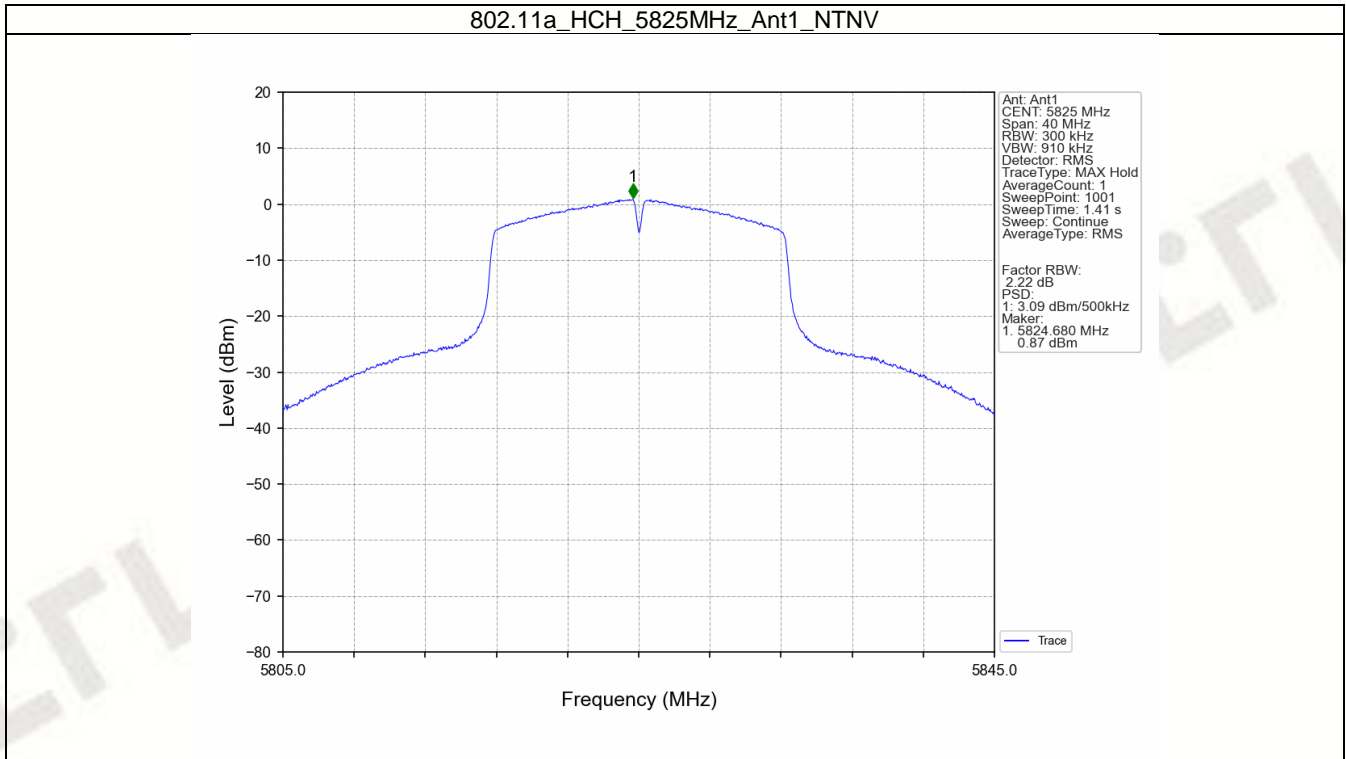
FCCID: 2BKN6-RXHE30W

3.2 Test Graph

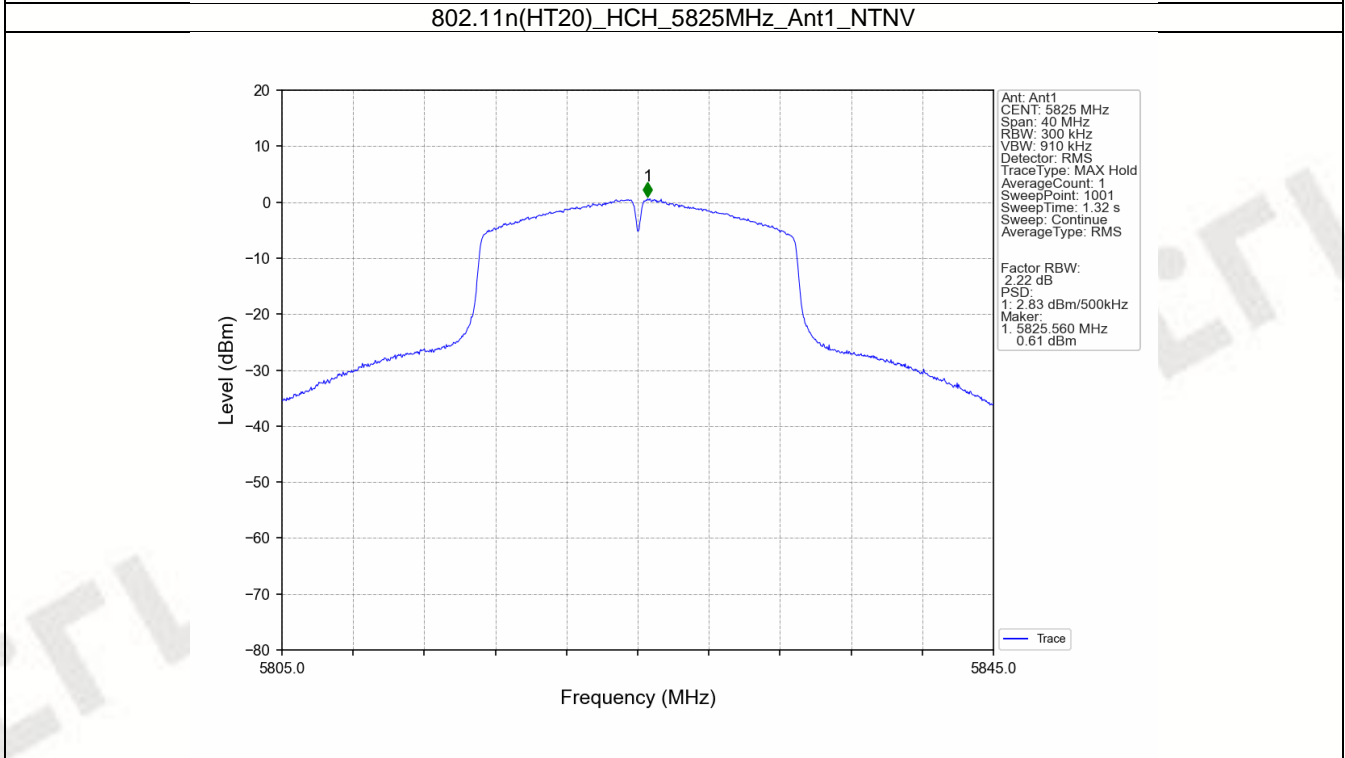
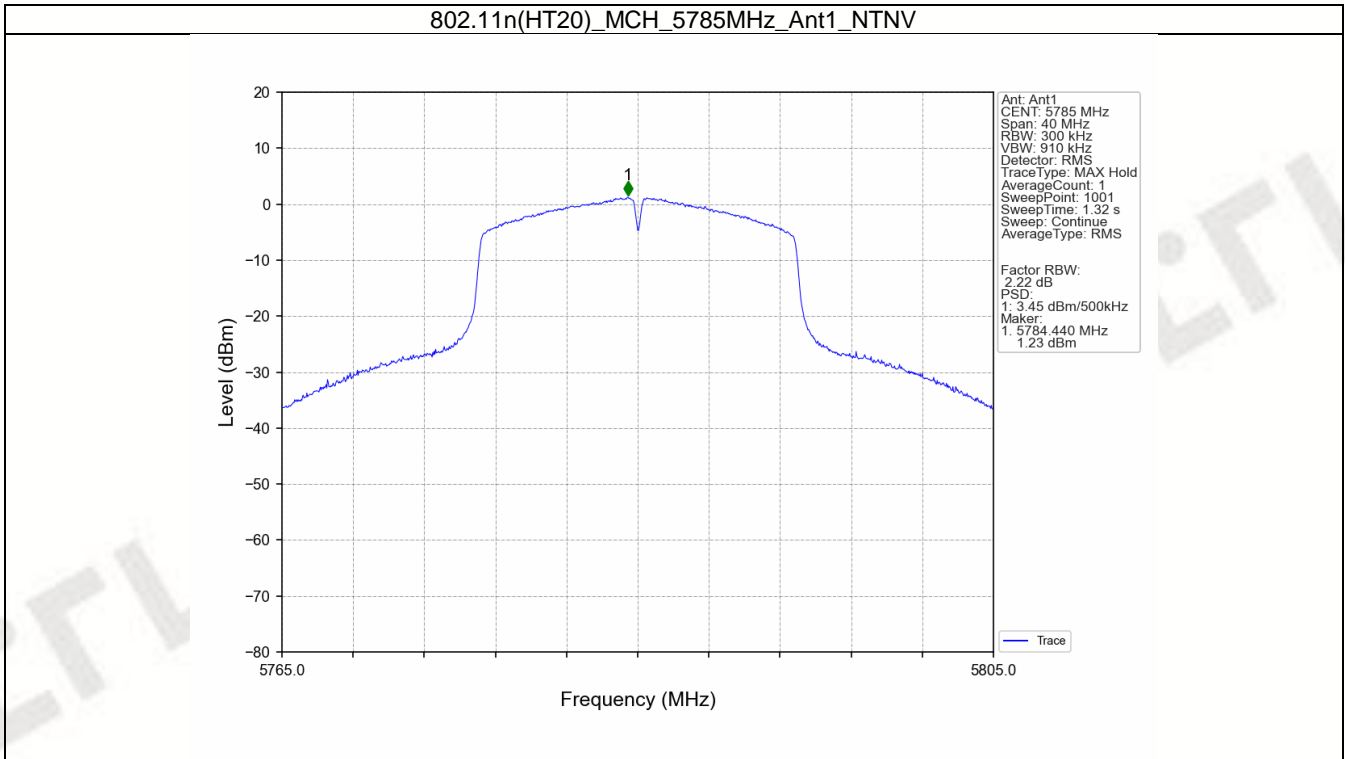
3.2.1 PSD-Band3



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W

4. Frequency Stability

4.1 Test Result

4.1.1 Ant1

Ant1								
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict	
Carrier Wave	SISO	5745	20	102	5745.033	5725 to 5850	Pass	
				120	5745.032	5725 to 5850	Pass	
				138	5745.032	5725 to 5850	Pass	
			-30	120	5745.032	5725 to 5850	Pass	
				-20	120	5745.032	5725 to 5850	Pass
					120	5745.032	5725 to 5850	Pass
			-10	120	5745.032	5725 to 5850	Pass	
				120	5745.032	5725 to 5850	Pass	
			0	120	5745.032	5725 to 5850	Pass	
			10	120	5745.032	5725 to 5850	Pass	
		30	120	5745.032	5725 to 5850	Pass		
		40	120	5745.032	5725 to 5850	Pass		
		50	120	5745.032	5725 to 5850	Pass		
		5785	20	102	5785.032	5725 to 5850	Pass	
				120	5785.032	5725 to 5850	Pass	
				138	5785.032	5725 to 5850	Pass	
			-30	120	5785.032	5725 to 5850	Pass	
				-20	120	5785.032	5725 to 5850	Pass
					120	5785.032	5725 to 5850	Pass
			-10	120	5785.032	5725 to 5850	Pass	
				120	5785.032	5725 to 5850	Pass	
			0	120	5785.032	5725 to 5850	Pass	
			10	120	5785.032	5725 to 5850	Pass	
		30	120	5785.032	5725 to 5850	Pass		
		40	120	5785.032	5725 to 5850	Pass		
		50	120	5785.032	5725 to 5850	Pass		
		5825	20	102	5825.032	5725 to 5850	Pass	
				120	5825.032	5725 to 5850	Pass	
				138	5825.032	5725 to 5850	Pass	
			-30	120	5825.032	5725 to 5850	Pass	
-20	120			5825.032	5725 to 5850	Pass		
	120			5825.032	5725 to 5850	Pass		
-10	120		5825.032	5725 to 5850	Pass			
	120		5825.032	5725 to 5850	Pass			
0	120		5825.032	5725 to 5850	Pass			
10	120		5825.032	5725 to 5850	Pass			
30	120	5825.032	5725 to 5850	Pass				
40	120	5825.032	5725 to 5850	Pass				
50	120	5825.032	5725 to 5850	Pass				

FCCID: 2BKN6-RXHE30W

5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5745	5825	0.0504	17.02