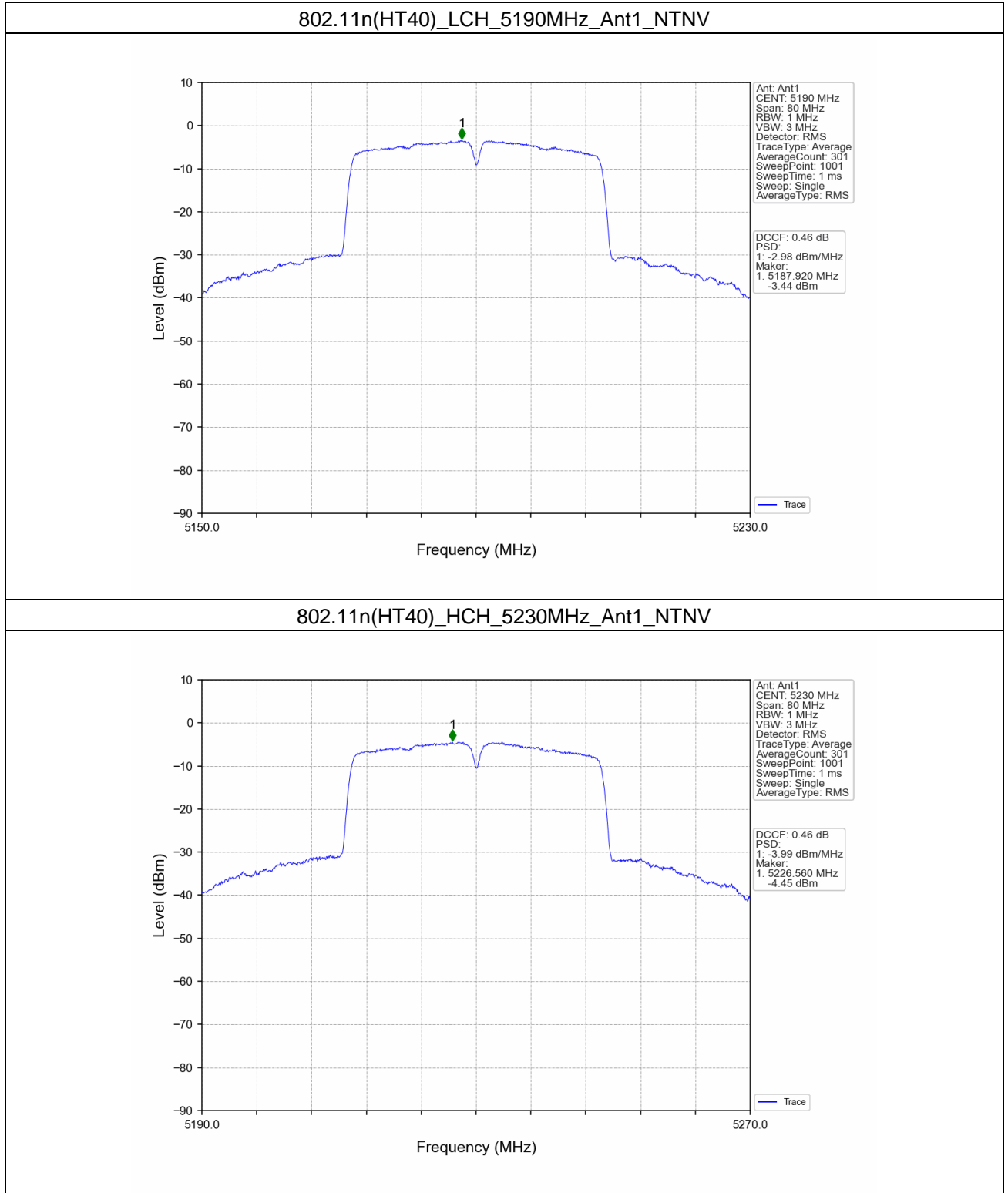


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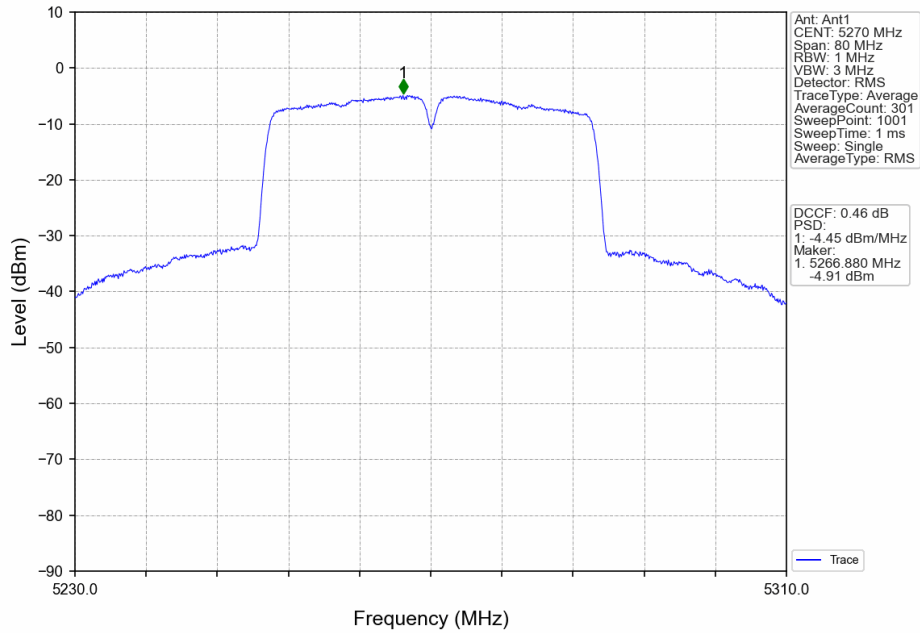
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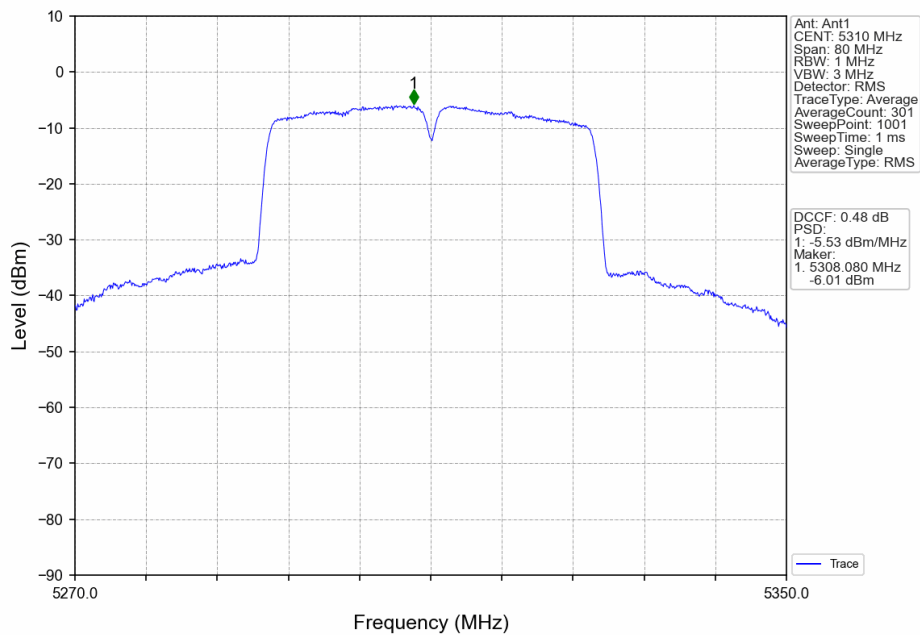
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



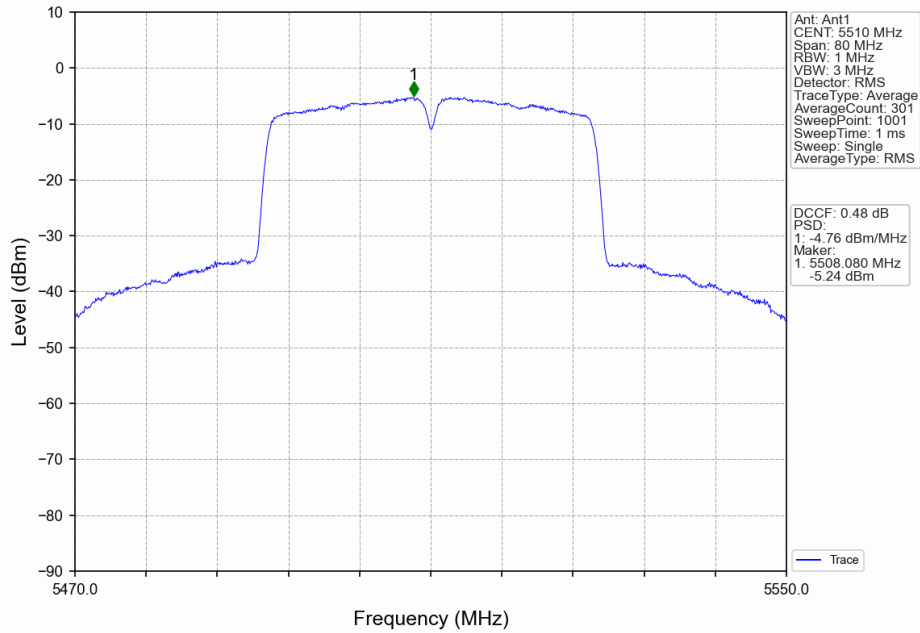
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



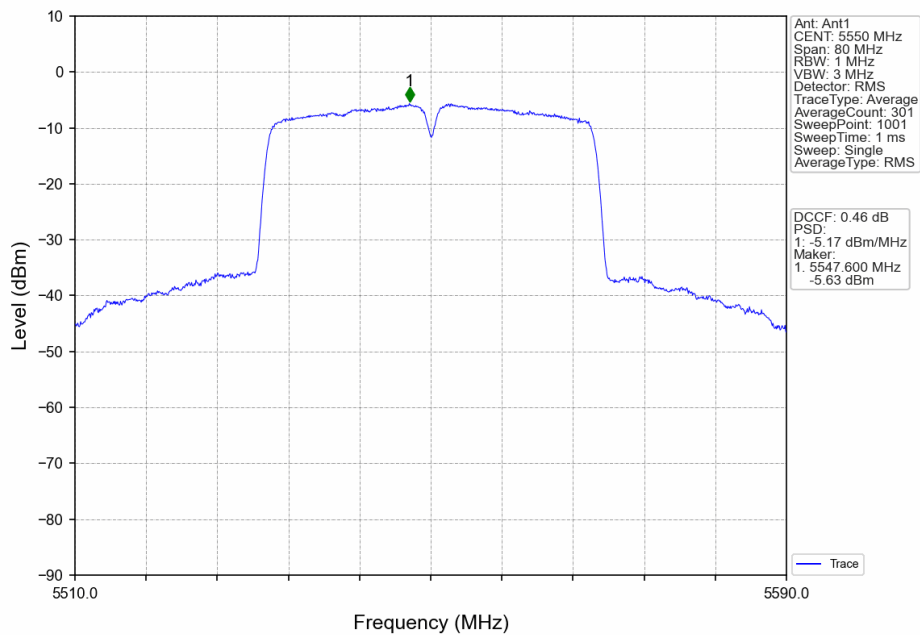
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

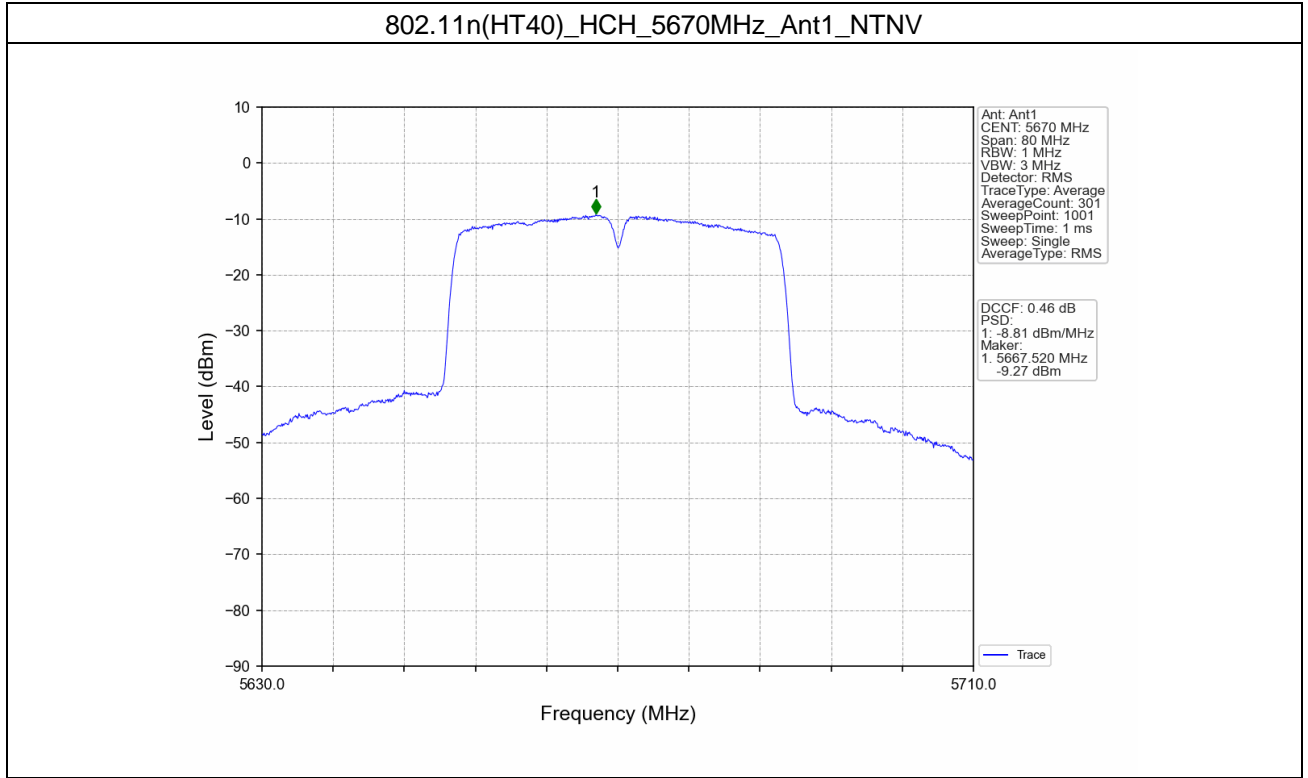


802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-8.50	<=30	Pass
		5785	-9.37	<=30	Pass
		5825	-9.20	<=30	Pass
802.11n (HT20)	SISO	5745	-9.48	<=30	Pass
		5785	-10.10	<=30	Pass
		5825	-9.66	<=30	Pass
802.11n (HT40)	SISO	5755	-12.98	<=30	Pass
		5795	-12.86	<=30	Pass

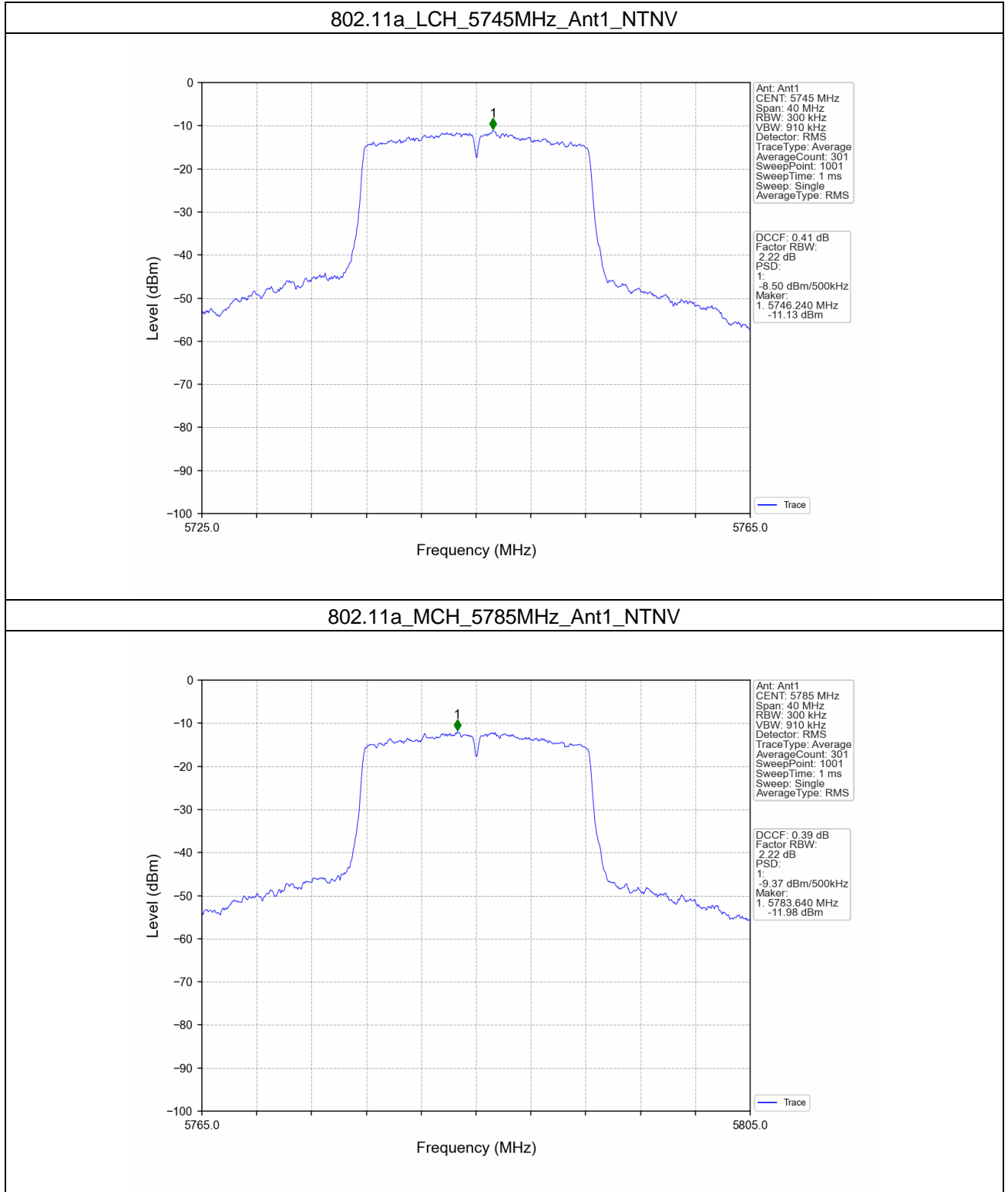
Note1: Antenna Gain: Ant1: 3.02dBi;



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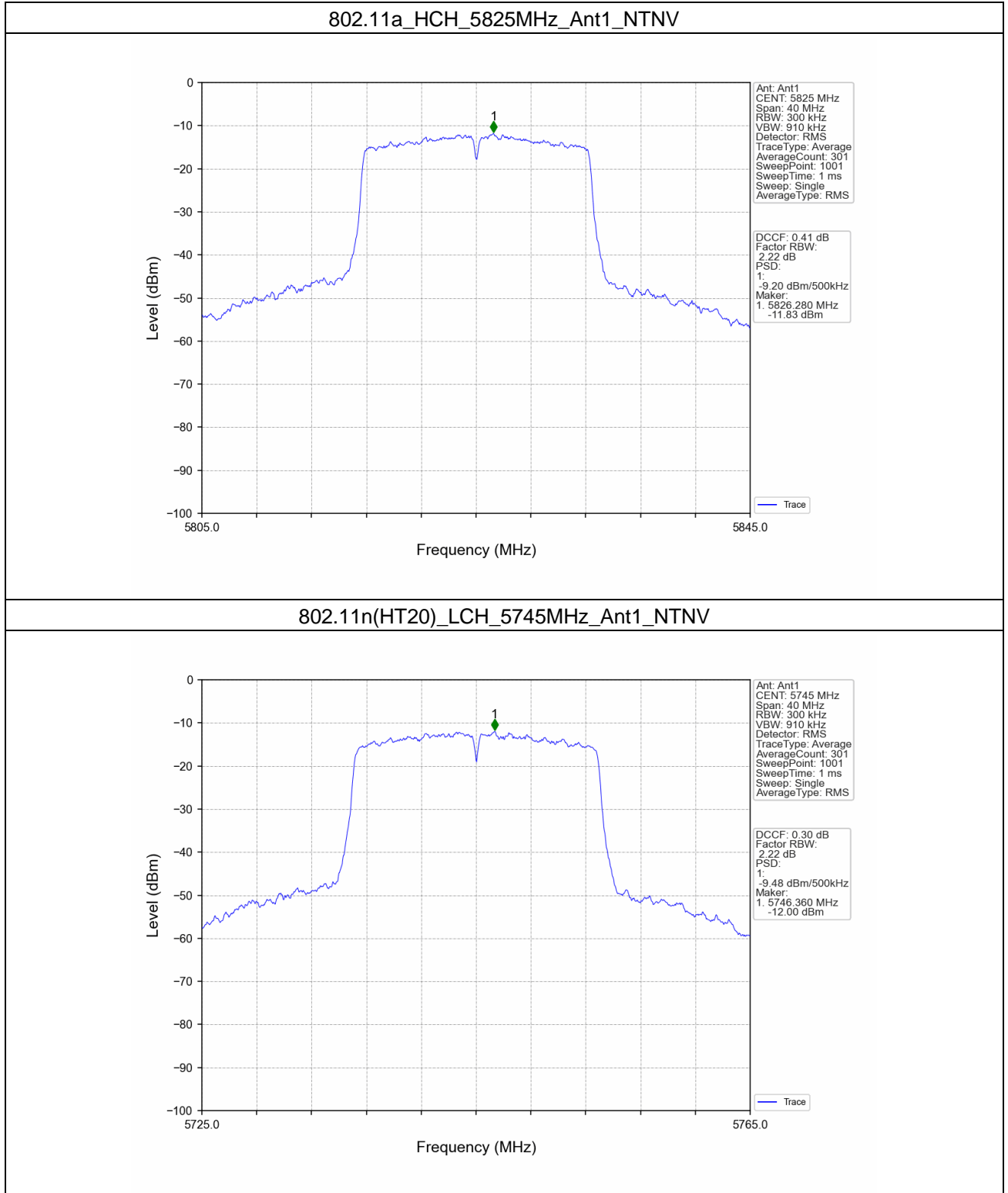
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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4.2.2 Test Graph



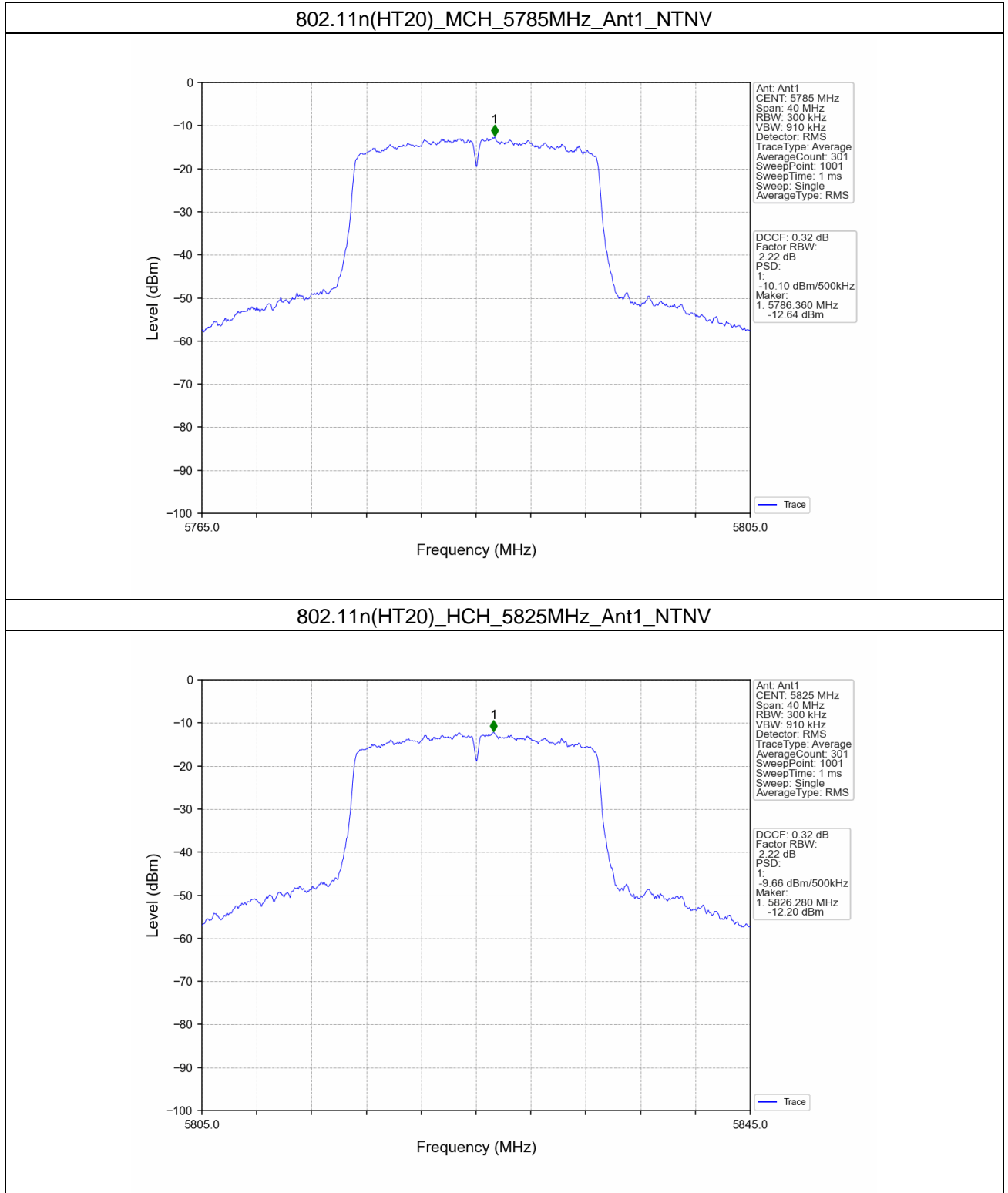
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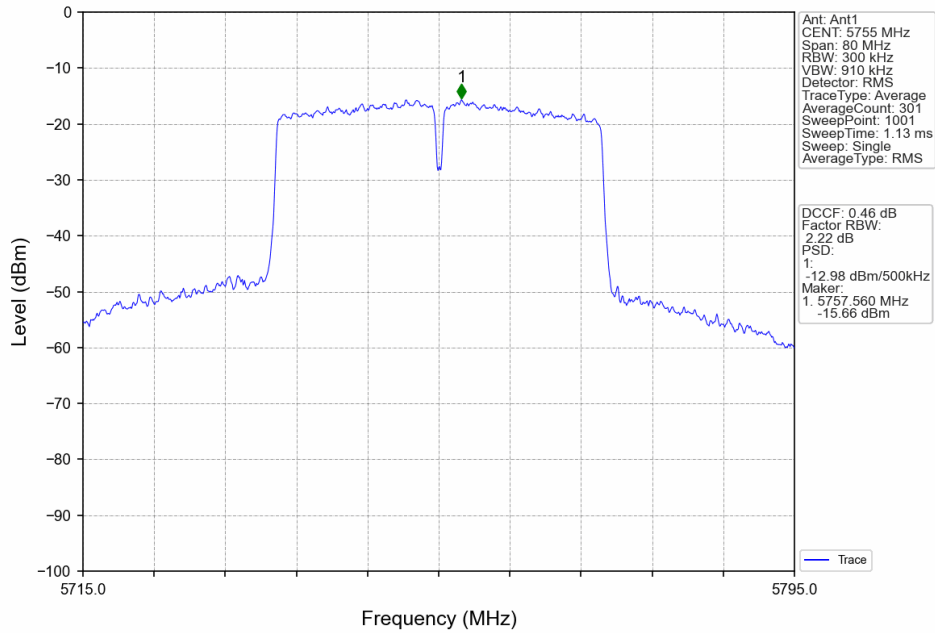
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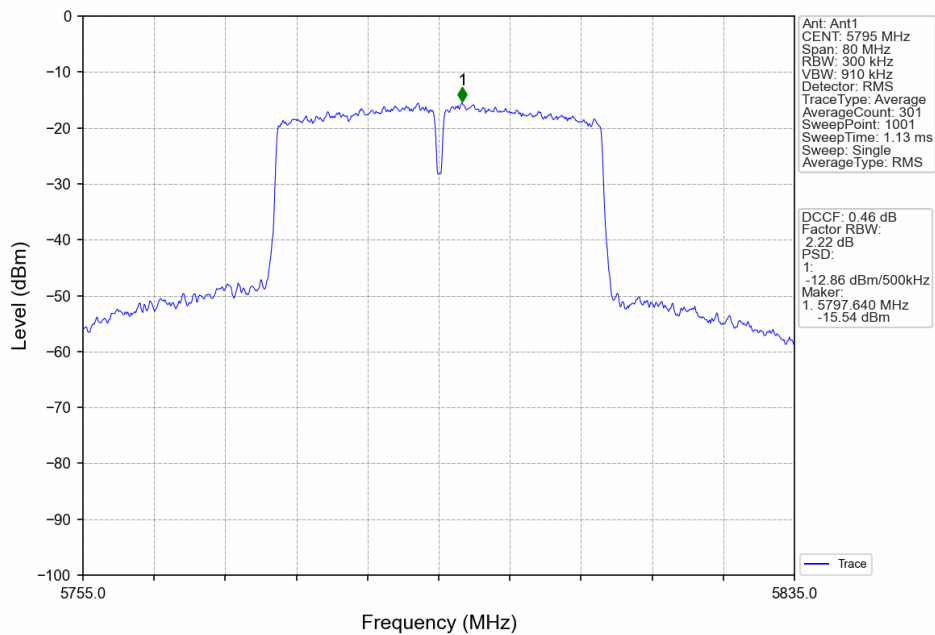


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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1								
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict	
802.11a	SISO	5180	20	102	5180.040	5150 to 5250	Pass	
				120	5180.040	5150 to 5250	Pass	
				138	5180.040	5150 to 5250	Pass	
			-30	120	5180.020	5150 to 5250	Pass	
				-20	120	5180.040	5150 to 5250	Pass
					-10	120	5180.040	5150 to 5250
				0	120	5180.000	5150 to 5250	Pass
				10	120	5180.040	5150 to 5250	Pass
				30	120	5180.040	5150 to 5250	Pass
				40	120	5180.040	5150 to 5250	Pass
		50	120	5180.040	5150 to 5250	Pass		
		5200	20	102	5200.020	5150 to 5250	Pass	
				120	5200.020	5150 to 5250	Pass	
				138	5200.020	5150 to 5250	Pass	
			-30	120	5200.020	5150 to 5250	Pass	
				-20	120	5200.040	5150 to 5250	Pass
					-10	120	5200.020	5150 to 5250
				0	120	5200.020	5150 to 5250	Pass
				10	120	5200.020	5150 to 5250	Pass
				30	120	5200.020	5150 to 5250	Pass
				40	120	5200.020	5150 to 5250	Pass
		50	120	5200.020	5150 to 5250	Pass		
		5240	20	102	5240.020	5150 to 5250	Pass	
				120	5240.020	5150 to 5250	Pass	
				138	5240.020	5150 to 5250	Pass	
			-30	120	5240.040	5150 to 5250	Pass	
				-20	120	5240.020	5150 to 5250	Pass
					-10	120	5240.020	5150 to 5250
				0	120	5240.020	5150 to 5250	Pass
				10	120	5240.020	5150 to 5250	Pass
30	120	5240.020	5150 to 5250	Pass				



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			40	120	5240.020	5150 to 5250	Pass	
			50	120	5240.020	5150 to 5250	Pass	
		5260	20	102	120	5260.020	5250 to 5350	Pass
				120	120	5260.020	5250 to 5350	Pass
				138	120	5260.020	5250 to 5350	Pass
			-30	120	5260.020	5250 to 5350	Pass	
			-20	120	5260.020	5250 to 5350	Pass	
			-10	120	5260.040	5250 to 5350	Pass	
			0	120	5260.020	5250 to 5350	Pass	
			10	120	5260.040	5250 to 5350	Pass	
			30	120	5260.020	5250 to 5350	Pass	
			40	120	5260.020	5250 to 5350	Pass	
			50	120	5260.020	5250 to 5350	Pass	
		5300	20	102	120	5300.040	5250 to 5350	Pass
				120	120	5300.040	5250 to 5350	Pass
				138	120	5300.020	5250 to 5350	Pass
			-30	120	5300.040	5250 to 5350	Pass	
			-20	120	5300.020	5250 to 5350	Pass	
			-10	120	5300.040	5250 to 5350	Pass	
			0	120	5300.040	5250 to 5350	Pass	
			10	120	5300.040	5250 to 5350	Pass	
			30	120	5300.040	5250 to 5350	Pass	
			40	120	5300.020	5250 to 5350	Pass	
			50	120	5300.040	5250 to 5350	Pass	
		5320	20	102	120	5320.020	5250 to 5350	Pass
				120	120	5320.020	5250 to 5350	Pass
				138	120	5320.040	5250 to 5350	Pass
			-30	120	5320.040	5250 to 5350	Pass	
			-20	120	5320.020	5250 to 5350	Pass	
			-10	120	5320.040	5250 to 5350	Pass	
			0	120	5320.040	5250 to 5350	Pass	
			10	120	5320.040	5250 to 5350	Pass	
			30	120	5320.040	5250 to 5350	Pass	
			40	120	5320.020	5250 to 5350	Pass	
			50	120	5320.020	5250 to 5350	Pass	
		5500	20	102	120	5500.020	5470 to 5725	Pass
120	120			5500.020	5470 to 5725	Pass		
138	120			5500.020	5470 to 5725	Pass		
-30	120		5500.040	5470 to 5725	Pass			
-20	120		5500.040	5470 to 5725	Pass			



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			-10	120	5500.020	5470 to 5725	Pass
			0	120	5500.040	5470 to 5725	Pass
			10	120	5500.020	5470 to 5725	Pass
			30	120	5500.020	5470 to 5725	Pass
			40	120	5500.020	5470 to 5725	Pass
			50	120	5500.040	5470 to 5725	Pass
		5580	20	102	5580.020	5470 to 5725	Pass
				120	5580.020	5470 to 5725	Pass
				138	5580.020	5470 to 5725	Pass
			-30	120	5580.040	5470 to 5725	Pass
			-20	120	5580.040	5470 to 5725	Pass
			-10	120	5580.020	5470 to 5725	Pass
			0	120	5580.020	5470 to 5725	Pass
			10	120	5580.020	5470 to 5725	Pass
			30	120	5580.020	5470 to 5725	Pass
			40	120	5580.020	5470 to 5725	Pass
			50	120	5580.040	5470 to 5725	Pass
			5700	20	102	5700.020	5470 to 5725
		120			5700.020	5470 to 5725	Pass
		138			5700.020	5470 to 5725	Pass
		-30		120	5700.020	5470 to 5725	Pass
		-20		120	5700.000	5470 to 5725	Pass
		-10		120	5700.020	5470 to 5725	Pass
		0		120	5700.020	5470 to 5725	Pass
		10		120	5700.020	5470 to 5725	Pass
		30		120	5700.020	5470 to 5725	Pass
		40		120	5700.020	5470 to 5725	Pass
		50		120	5700.020	5470 to 5725	Pass
		5745		20	102	5745.020	5725 to 5850
			120		5745.040	5725 to 5850	Pass
			138		5745.020	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
-10	120		5745.040	5725 to 5850	Pass		
0	120		5745.020	5725 to 5850	Pass		
10	120		5745.020	5725 to 5850	Pass		
30	120		5745.040	5725 to 5850	Pass		
40	120		5745.020	5725 to 5850	Pass		
50	120		5745.020	5725 to 5850	Pass		
5785	20		102	5785.020	5725 to 5850	Pass	



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				120	5785.020	5725 to 5850	Pass	
				138	5785.040	5725 to 5850	Pass	
			-30	120	5785.020	5725 to 5850	Pass	
			-20	120	5785.020	5725 to 5850	Pass	
			-10	120	5785.020	5725 to 5850	Pass	
			0	120	5785.040	5725 to 5850	Pass	
			10	120	5785.020	5725 to 5850	Pass	
			30	120	5785.020	5725 to 5850	Pass	
			40	120	5785.020	5725 to 5850	Pass	
		50	120	5785.020	5725 to 5850	Pass		
		5825	20		102	5825.040	5725 to 5850	Pass
					120	5825.040	5725 to 5850	Pass
					138	5825.040	5725 to 5850	Pass
				-30	120	5825.020	5725 to 5850	Pass
				-20	120	5825.040	5725 to 5850	Pass
				-10	120	5825.040	5725 to 5850	Pass
				0	120	5825.040	5725 to 5850	Pass
				10	120	5825.040	5725 to 5850	Pass
				30	120	5825.020	5725 to 5850	Pass
	40		120	5825.040	5725 to 5850	Pass		
	50	120	5825.040	5725 to 5850	Pass			
802.11n (HT20)	SISO	5180	20		102	5180.020	5150 to 5250	Pass
					120	5180.040	5150 to 5250	Pass
					138	5180.020	5150 to 5250	Pass
				-30	120	5180.020	5150 to 5250	Pass
				-20	120	5180.020	5150 to 5250	Pass
				-10	120	5180.020	5150 to 5250	Pass
				0	120	5180.040	5150 to 5250	Pass
				10	120	5180.020	5150 to 5250	Pass
				30	120	5180.040	5150 to 5250	Pass
			40	120	5180.040	5150 to 5250	Pass	
			50	120	5180.040	5150 to 5250	Pass	
		5200	20		102	5200.020	5150 to 5250	Pass
					120	5200.020	5150 to 5250	Pass
					138	5200.040	5150 to 5250	Pass
				-30	120	5200.020	5150 to 5250	Pass
				-20	120	5200.040	5150 to 5250	Pass
				-10	120	5200.060	5150 to 5250	Pass
				0	120	5200.020	5150 to 5250	Pass
				10	120	5200.020	5150 to 5250	Pass



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			30	120	5200.040	5150 to 5250	Pass
			40	120	5200.040	5150 to 5250	Pass
			50	120	5200.020	5150 to 5250	Pass
		5240	20	102	5240.020	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.040	5150 to 5250	Pass
			-30	120	5240.020	5150 to 5250	Pass
			-20	120	5240.020	5150 to 5250	Pass
			-10	120	5240.040	5150 to 5250	Pass
			0	120	5240.040	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5240.020	5150 to 5250	Pass
			40	120	5240.040	5150 to 5250	Pass
			50	120	5241.740	5150 to 5250	Pass
			5260	20	102	5260.040	5250 to 5350
		120			5260.040	5250 to 5350	Pass
		138			5260.020	5250 to 5350	Pass
		-30		120	5260.020	5250 to 5350	Pass
		-20		120	5260.020	5250 to 5350	Pass
		-10		120	5260.020	5250 to 5350	Pass
		0		120	5260.020	5250 to 5350	Pass
		10		120	5260.020	5250 to 5350	Pass
		30		120	5260.040	5250 to 5350	Pass
		40		120	5260.020	5250 to 5350	Pass
		50	120	5260.040	5250 to 5350	Pass	
		5300	20	102	5300.020	5250 to 5350	Pass
				120	5300.020	5250 to 5350	Pass
				138	5300.020	5250 to 5350	Pass
			-30	120	5300.020	5250 to 5350	Pass
			-20	120	5300.020	5250 to 5350	Pass
			-10	120	5300.020	5250 to 5350	Pass
			0	120	5300.020	5250 to 5350	Pass
			10	120	5300.020	5250 to 5350	Pass
			30	120	5300.020	5250 to 5350	Pass
			40	120	5300.020	5250 to 5350	Pass
		50	120	5300.020	5250 to 5350	Pass	
5320	20	102	5320.020	5250 to 5350	Pass		
		120	5320.020	5250 to 5350	Pass		
		138	5320.020	5250 to 5350	Pass		
	-30	120	5320.020	5250 to 5350	Pass		



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		5320	-20	120	5320.040	5250 to 5350	Pass	
			-10	120	5320.020	5250 to 5350	Pass	
			0	120	5320.020	5250 to 5350	Pass	
			10	120	5320.020	5250 to 5350	Pass	
			30	120	5320.020	5250 to 5350	Pass	
			40	120	5320.020	5250 to 5350	Pass	
			50	120	5320.020	5250 to 5350	Pass	
		5500	20	102	5500.020	5470 to 5725	Pass	
				120	5500.020	5470 to 5725	Pass	
				138	5500.040	5470 to 5725	Pass	
			-30	120	5500.040	5470 to 5725	Pass	
			-20	120	5500.020	5470 to 5725	Pass	
			-10	120	5500.020	5470 to 5725	Pass	
			0	120	5500.040	5470 to 5725	Pass	
			10	120	5500.020	5470 to 5725	Pass	
			30	120	5500.020	5470 to 5725	Pass	
			40	120	5500.020	5470 to 5725	Pass	
			50	120	5500.020	5470 to 5725	Pass	
			5580	20	102	5580.020	5470 to 5725	Pass
					120	5580.020	5470 to 5725	Pass
		138			5580.020	5470 to 5725	Pass	
		-30		120	5580.020	5470 to 5725	Pass	
		-20		120	5580.020	5470 to 5725	Pass	
		-10		120	5580.020	5470 to 5725	Pass	
		0		120	5580.020	5470 to 5725	Pass	
		10		120	5580.020	5470 to 5725	Pass	
		30		120	5580.020	5470 to 5725	Pass	
		40		120	5580.020	5470 to 5725	Pass	
		5700	20	102	5700.020	5470 to 5725	Pass	
				120	5700.020	5470 to 5725	Pass	
				138	5700.040	5470 to 5725	Pass	
			-30	120	5700.020	5470 to 5725	Pass	
			-20	120	5700.020	5470 to 5725	Pass	
			-10	120	5700.020	5470 to 5725	Pass	
			0	120	5700.020	5470 to 5725	Pass	
			10	120	5700.020	5470 to 5725	Pass	
30	120		5700.020	5470 to 5725	Pass			
40	120		5700.020	5470 to 5725	Pass			
50	120	5700.020	5470 to 5725	Pass				



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		5745	20	102	5745.020	5725 to 5850	Pass
				120	5745.020	5725 to 5850	Pass
				138	5745.020	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5745.020	5725 to 5850	Pass
			10	120	5745.020	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.020	5725 to 5850	Pass
		50	120	5745.020	5725 to 5850	Pass	
		5785	20	102	5785.020	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5785.020	5725 to 5850	Pass
			-30	120	5785.020	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
			0	120	5785.020	5725 to 5850	Pass
			10	120	5785.020	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.020	5725 to 5850	Pass
		50	120	5785.020	5725 to 5850	Pass	
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.040	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5825.020	5725 to 5850	Pass
			0	120	5825.020	5725 to 5850	Pass
			10	120	5825.020	5725 to 5850	Pass
30	120		5825.020	5725 to 5850	Pass		
40	120		5825.020	5725 to 5850	Pass		
50	120	5825.020	5725 to 5850	Pass			
802.11n (HT40)	SISO	5190	20	102	5190.040	5150 to 5250	Pass
				120	5190.040	5150 to 5250	Pass
				138	5190.040	5150 to 5250	Pass
			-30	120	5190.040	5150 to 5250	Pass
			-20	120	5190.040	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.040	5150 to 5250	Pass



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			10	120	5190.040	5150 to 5250	Pass
			30	120	5190.040	5150 to 5250	Pass
			40	120	5190.040	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5230.040	5150 to 5250	Pass
				120	5230.040	5150 to 5250	Pass
				138	5230.040	5150 to 5250	Pass
			-30	120	5230.040	5150 to 5250	Pass
			-20	120	5230.040	5150 to 5250	Pass
			-10	120	5230.040	5150 to 5250	Pass
			0	120	5230.040	5150 to 5250	Pass
			10	120	5230.040	5150 to 5250	Pass
			30	120	5230.040	5150 to 5250	Pass
			40	120	5230.040	5150 to 5250	Pass
			50	120	5230.040	5150 to 5250	Pass
			5270	20	102	5270.040	5250 to 5350
		120			5270.040	5250 to 5350	Pass
		138			5270.040	5250 to 5350	Pass
		-30		120	5270.040	5250 to 5350	Pass
		-20		120	5270.040	5250 to 5350	Pass
		-10		120	5270.040	5250 to 5350	Pass
		0		120	5270.040	5250 to 5350	Pass
		10		120	5270.040	5250 to 5350	Pass
		30		120	5270.040	5250 to 5350	Pass
		40		120	5270.040	5250 to 5350	Pass
		5310	20	102	5310.040	5250 to 5350	Pass
				120	5310.040	5250 to 5350	Pass
				138	5310.040	5250 to 5350	Pass
			-30	120	5310.040	5250 to 5350	Pass
			-20	120	5310.040	5250 to 5350	Pass
			-10	120	5310.040	5250 to 5350	Pass
			0	120	5310.040	5250 to 5350	Pass
			10	120	5310.040	5250 to 5350	Pass
			30	120	5310.040	5250 to 5350	Pass
			40	120	5310.040	5250 to 5350	Pass
		5510	20	102	5510.040	5470 to 5725	Pass
120	5510.040			5470 to 5725	Pass		
138	5510.080			5470 to 5725	Pass		



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			-30	120	5510.080	5470 to 5725	Pass	
			-20	120	5510.040	5470 to 5725	Pass	
			-10	120	5510.080	5470 to 5725	Pass	
			0	120	5510.040	5470 to 5725	Pass	
			10	120	5510.080	5470 to 5725	Pass	
			30	120	5510.040	5470 to 5725	Pass	
			40	120	5510.040	5470 to 5725	Pass	
			50	120	5510.040	5470 to 5725	Pass	
		5550	20	102	5550.040	5470 to 5725	Pass	
					120	5550.040	5470 to 5725	Pass
					138	5550.040	5470 to 5725	Pass
				-30	120	5550.080	5470 to 5725	Pass
				-20	120	5550.040	5470 to 5725	Pass
				-10	120	5550.040	5470 to 5725	Pass
				0	120	5550.040	5470 to 5725	Pass
				10	120	5550.040	5470 to 5725	Pass
				30	120	5550.040	5470 to 5725	Pass
				40	120	5550.040	5470 to 5725	Pass
				50	120	5550.040	5470 to 5725	Pass
			5670	20	102	5670.040	5470 to 5725	Pass
					120	5670.040	5470 to 5725	Pass
					138	5670.040	5470 to 5725	Pass
				-30	120	5670.040	5470 to 5725	Pass
				-20	120	5670.040	5470 to 5725	Pass
				-10	120	5670.040	5470 to 5725	Pass
				0	120	5670.040	5470 to 5725	Pass
				10	120	5670.040	5470 to 5725	Pass
				30	120	5670.040	5470 to 5725	Pass
				40	120	5670.040	5470 to 5725	Pass
				50	120	5670.040	5470 to 5725	Pass
		5755		20	102	5755.040	5725 to 5850	Pass
					120	5755.040	5725 to 5850	Pass
					138	5755.040	5725 to 5850	Pass
				-30	120	5755.040	5725 to 5850	Pass
				-20	120	5755.040	5725 to 5850	Pass
				-10	120	5755.040	5725 to 5850	Pass
				0	120	5755.040	5725 to 5850	Pass
				10	120	5755.040	5725 to 5850	Pass
				30	120	5755.040	5725 to 5850	Pass
				40	120	5755.040	5725 to 5850	Pass



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			50	120	5755.040	5725 to 5850	Pass
		5795	20	102	5795.040	5725 to 5850	Pass
				120	5795.040	5725 to 5850	Pass
				138	5795.040	5725 to 5850	Pass
				-30	120	5795.040	5725 to 5850
			-20	120	5795.040	5725 to 5850	Pass
			-10	120	5795.040	5725 to 5850	Pass
			0	120	5795.040	5725 to 5850	Pass
			10	120	5795.040	5725 to 5850	Pass
			30	120	5795.040	5725 to 5850	Pass
			40	120	5795.040	5725 to 5850	Pass
			50	120	5795.040	5725 to 5850	Pass

6.DFS

Test Result:

BW/Channel	Test Item	Result
80MHz/5290MHz	Channel Availability Check Time	N/A
	Minimum Off-Channel CAC Time	N/A
	Maximum Off-Channel CAC Time	N/A
	In-Service Monitoring	N/A
	Channel Move Time	Pass
	Channel Closing Transmission Time	Pass
	Non-Occupancy Period	Pass
	Uniform Spreading	N/A

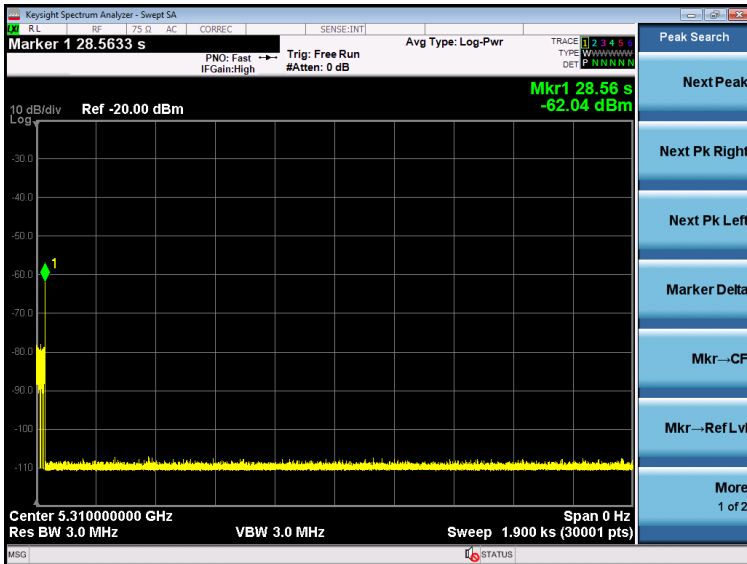
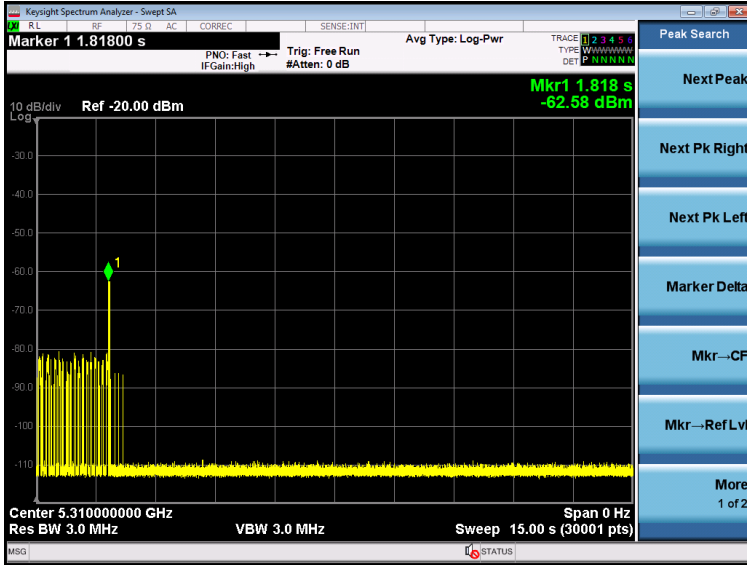
The test plots was shown in the report below.

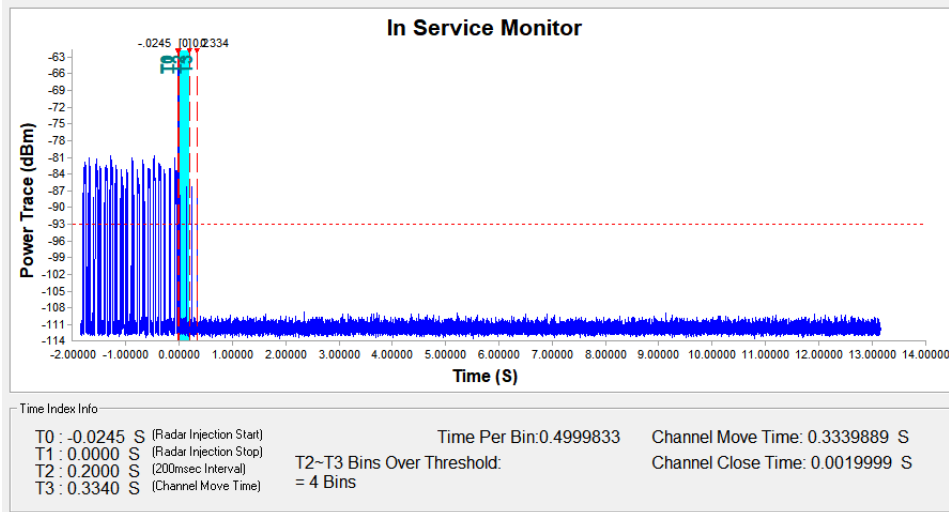
Remark: Channel loading of Timing plots is greater than 17%.

This is the master device used to test DFS FCC ID: Q87-WRT3200ACM

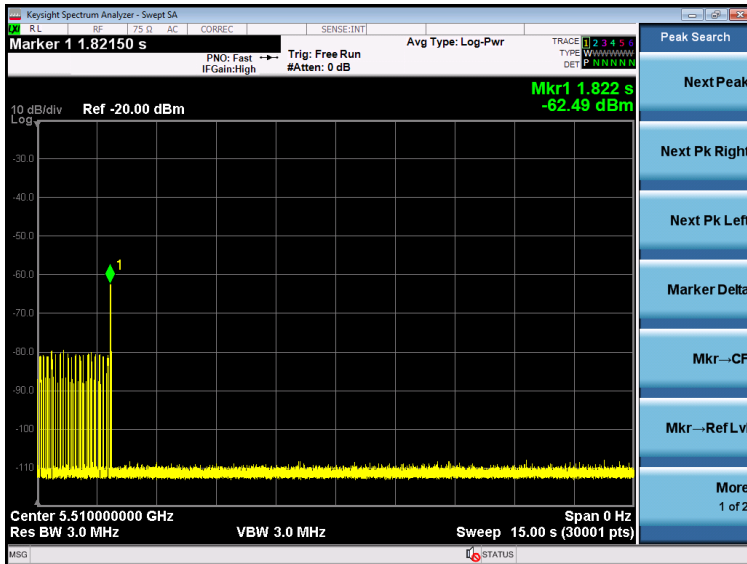


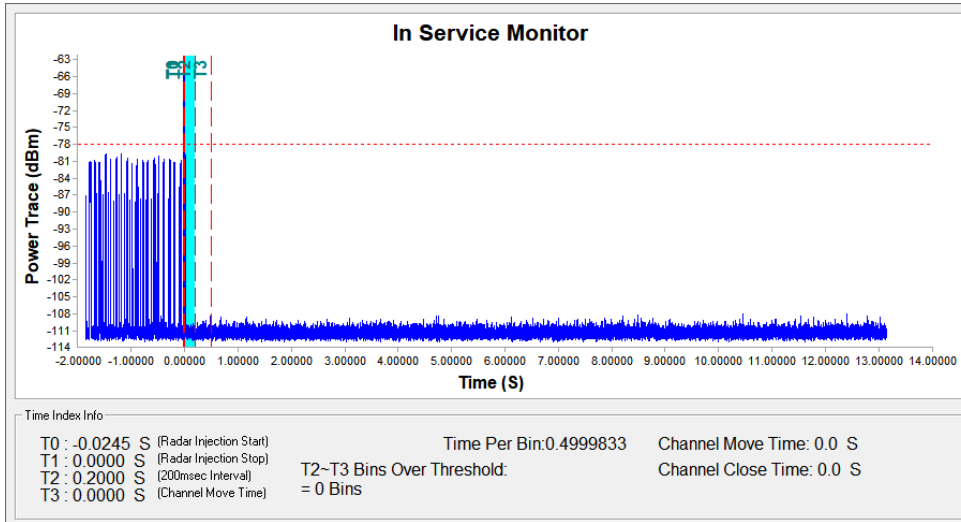
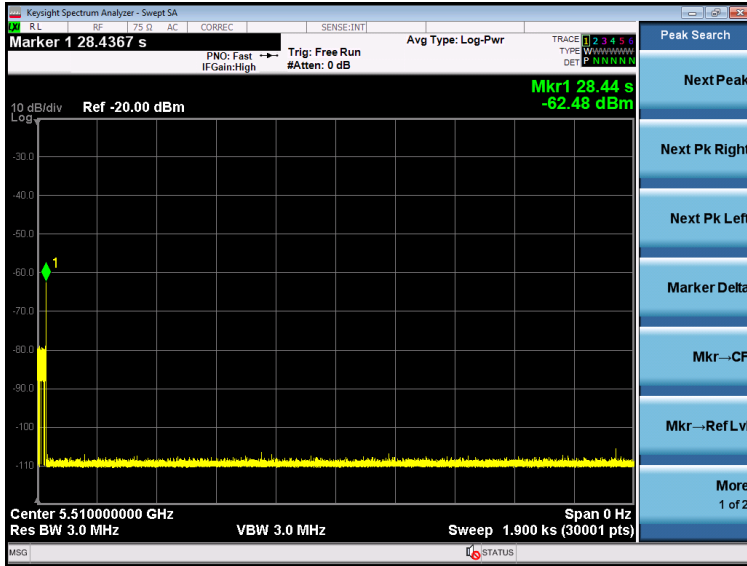
5310MHz





5510MHz

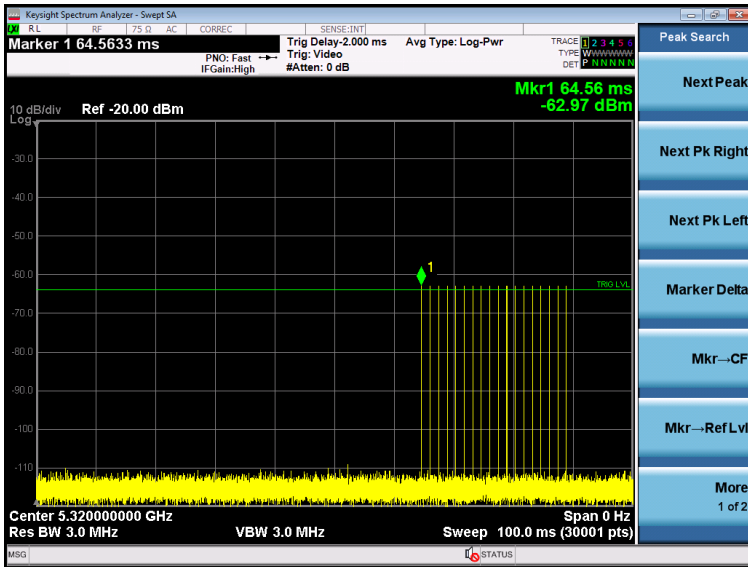




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Radar



- End of the Report -



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