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#### 2. Bandwidth

#### 2.1 Test Result

Test Mode	Frequency	TX Type ANT No.		Emission E	Verdict	
rest Mode	(MHz)	тх туре	AINT INO.	Test Result (MHz)	Limits (MHz)	verdict
	5180	SISO	1	20.159	Only for Report Use	PASS
	5200	SISO	1	18.996	Only for Report Use	PASS
	5240	SISO	1	18.885	Only for Report Use	PASS
	5260	SISO	1	19.011	Only for Report Use	PASS
802.11a	5300	SISO	1	18.678	Only for Report Use	PASS
002.11d	5320	SISO	1	18.663	Only for Report Use	PASS
	5500	SISO	1	18.760	Only for Report Use	PASS
	5580	SISO	1	19.529	Only for Report Use	PASS
	5600	SISO	1	18.903	Only for Report Use	PASS
	5700	SISO	1	18.956	Only for Report Use	PASS
	5180	SISO	1	19.131	Only for Report Use	PASS
	5200	SISO	1	19.059	Only for Report Use	PASS
	5240	SISO	1	19.035	Only for Report Use	PASS
	5260	SISO	1	19.052	Only for Report Use	PASS
802.11n(HT20)	5300	SISO	1	18.957	Only for Report Use	PASS
	5320	SISO	1	18.969	Only for Report Use	PASS
	5500	SISO	1	19.002	Only for Report Use	PASS
	5580	SISO	1	19.000	Only for Report Use	PASS
	5600	SISO	1	18.886	Only for Report Use	PASS
	5700	SISO	1	19.061	Only for Report	PASS



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					Use	
	5190	SISO	1	38.976	Only for Report Use	PASS
	5230	SISO	1	39.568	Only for Report Use	PASS
	5270	SISO	1	39.241	Only for Report Use	PASS
802.11n(HT40)	5310	SISO	1	48.860	Only for Report Use	PASS
002.1111(1140)	5510	SISO	1	39.792	Only for Report Use	PASS
	5550	SISO	1	40.639	Only for Report Use	PASS
	5590	SISO	1	39.503	Only for Report Use	PASS
	5670	SISO	1	39.421	Only for Report Use	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupi	ed Bandwidth
i est iviode				Test Result (MHz)	
	5180	SISO	1	16.728	Only for Report Use
	5200	SISO	1	16.557	Only for Report Use
	5240	SISO	1	16.585	Only for Report Use
	5260	SISO	1	16.657	Only for Report Use
802.11a	5300	SISO	1	16.576	Only for Report Use
002.11a	5320	SISO	1	16.667	Only for Report Use
	5500	SISO	1	16.558	Only for Report Use
	5580	SISO	1	16.599	Only for Report Use
	5600	SISO	1	16.591	Only for Report Use
	5700	SISO	1	16.592	Only for Report Use
	5180	SISO	1	17.607	Only for Report Use
	5200	SISO	1	17.641	Only for Report Use
	5240	SISO	1	17.653	Only for Report Use
	5260	SISO	1	17.619	Only for Report Use
000 11 m/LIT00)	5300	SISO	1	16.577	Only for Report Use
802.11n(HT20)	5320	SISO	1	17.665	Only for Report Use
	5500	SISO	1	17.609	Only for Report Use
	5580	SISO	1	17.624	Only for Report Use
	5600	SISO	1	17.635	Only for Report Use
	5700	SISO	1	17.647	Only for Report Use
900 11 p/UT40\	5190	SISO	1	36.334	Only for Report Use
802.11n(HT40)	5230	SISO	1	36.347	Only for Report Use



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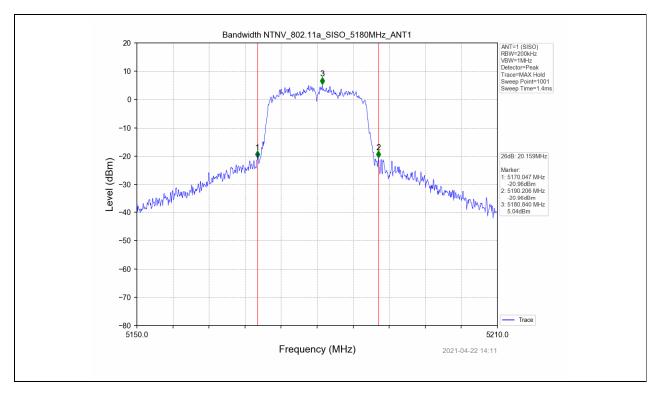


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	5310	SISO	1	36.333	Only for Report Use
	5510	SISO	1	36.335	Only for Report Use
	5550	SISO	1	36.276	Only for Report Use
	5590	SISO	1	36.278	Only for Report Use
	5670	SISO	1	36.446	Only for Report Use

#### 2.2 Test Graph - Emission Bandwidth





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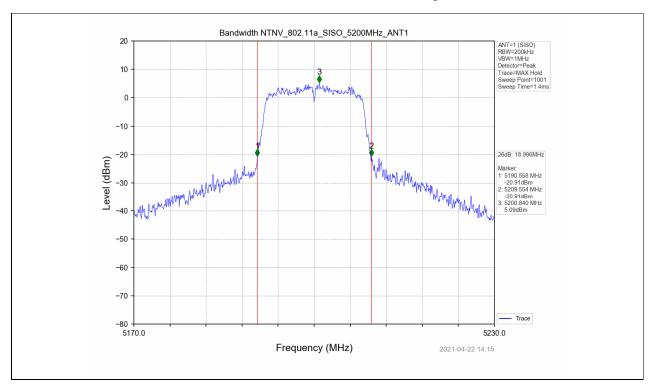
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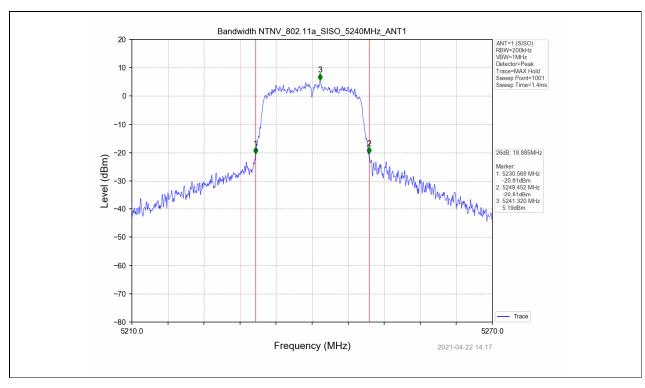
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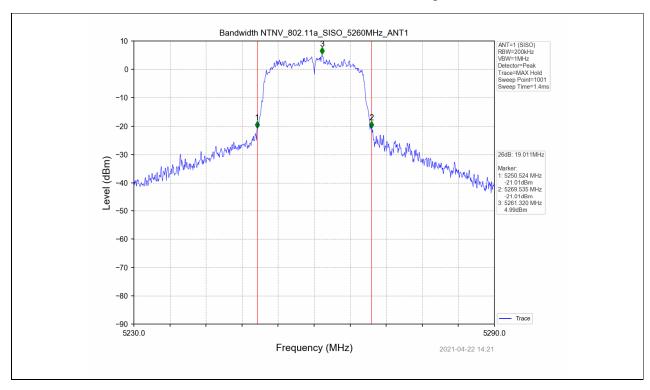


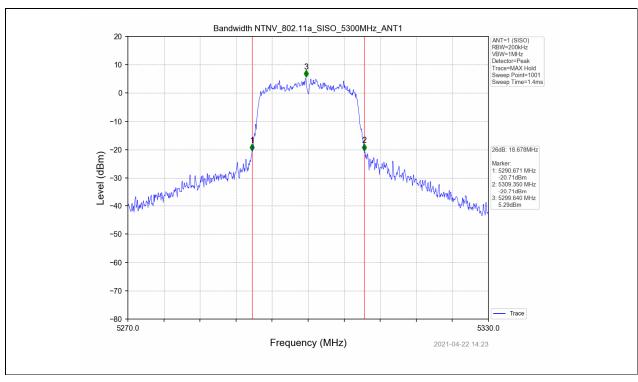




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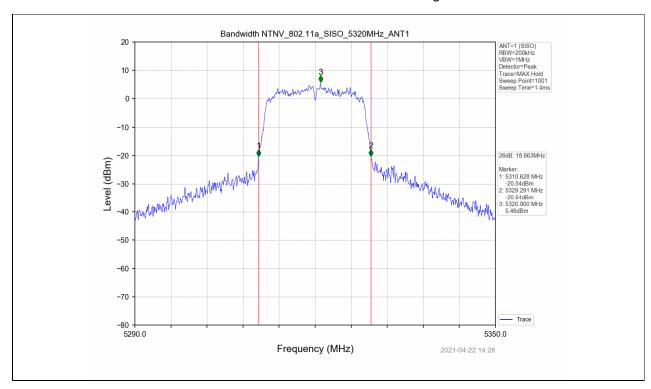


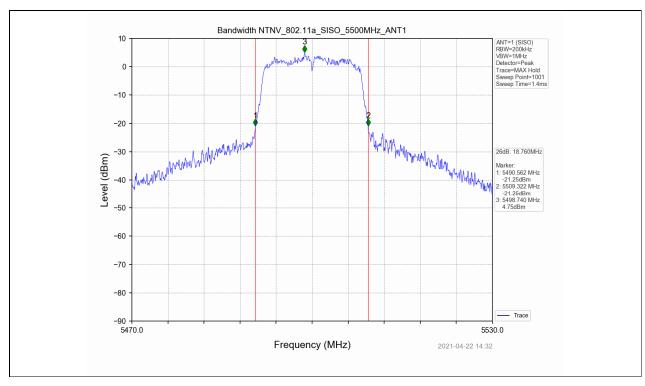




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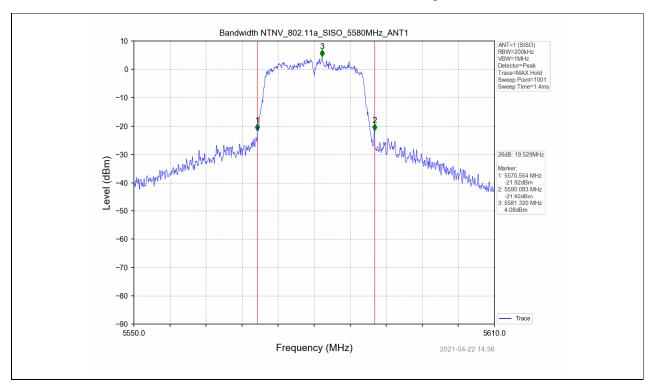


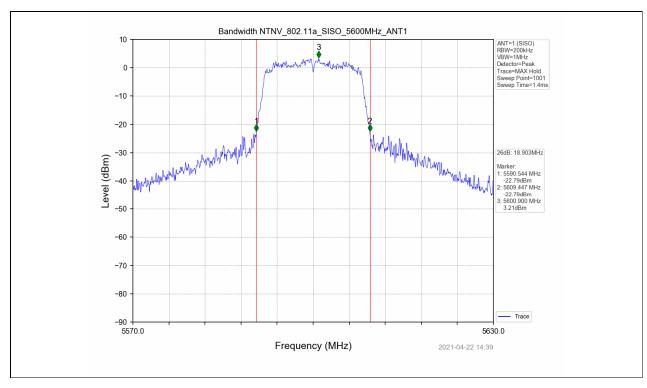




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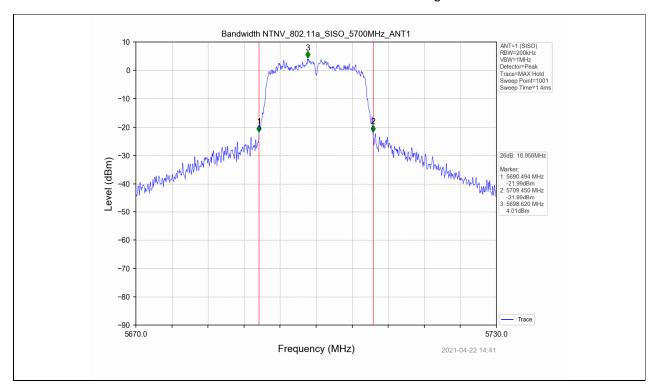


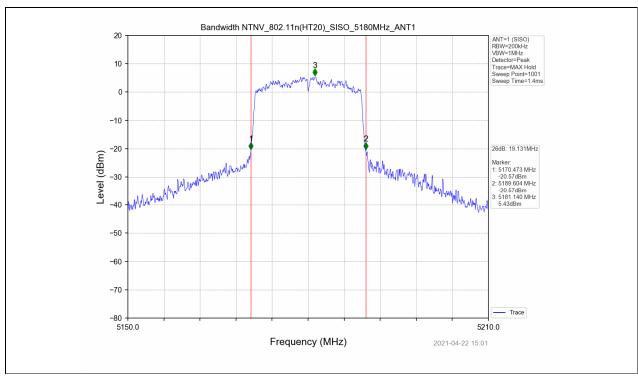
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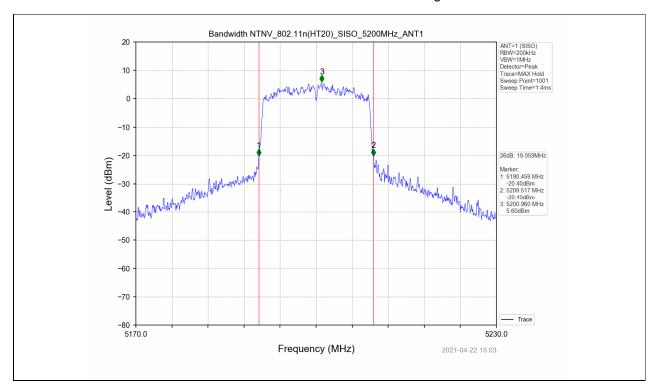


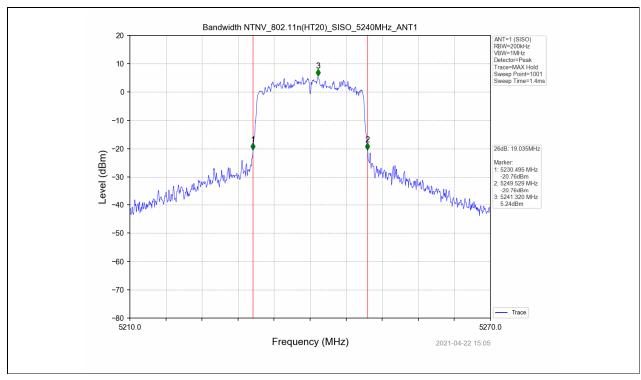




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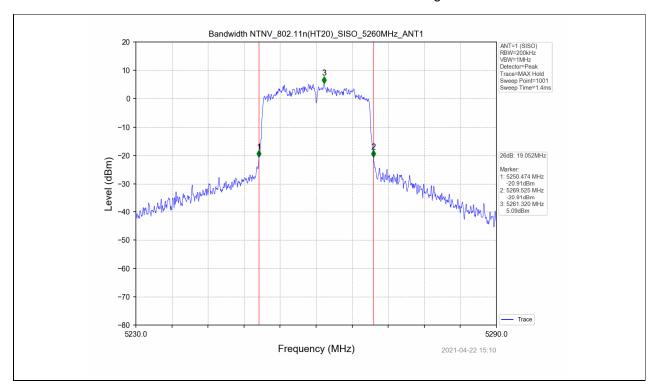


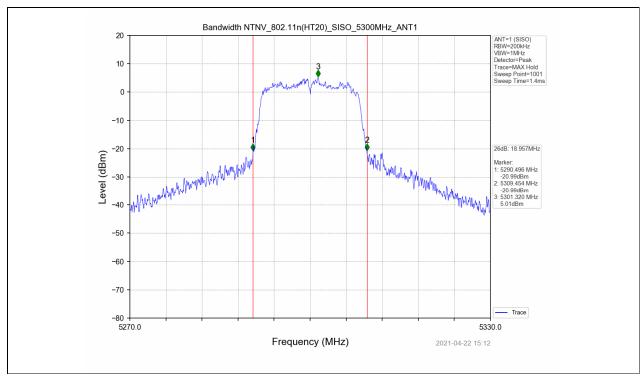




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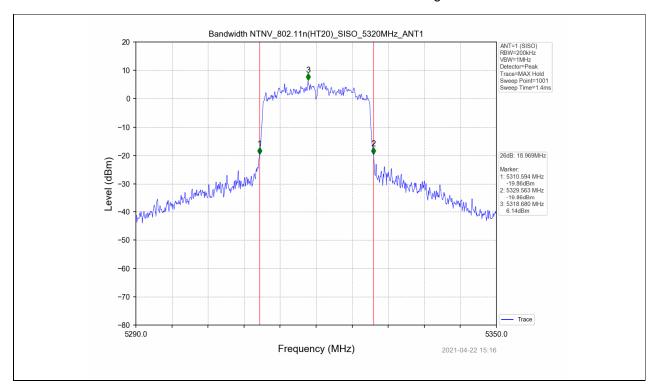


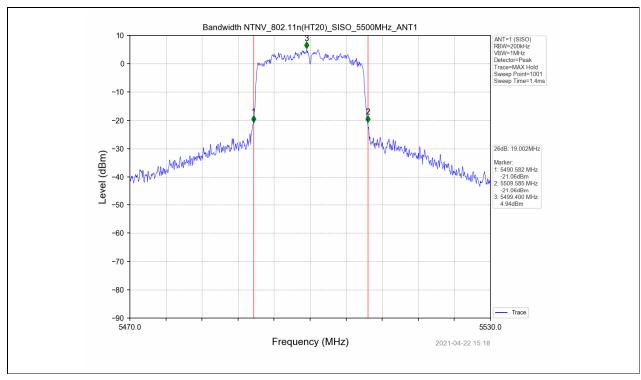




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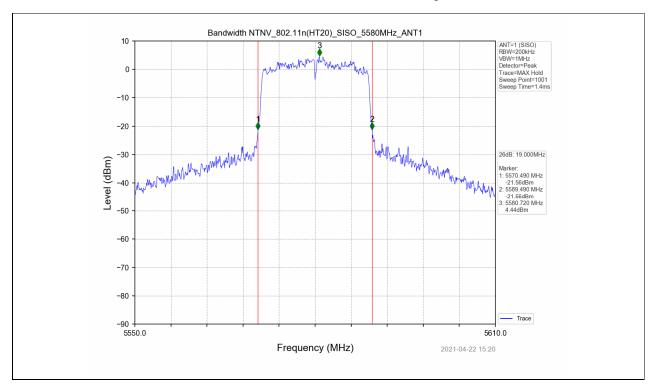


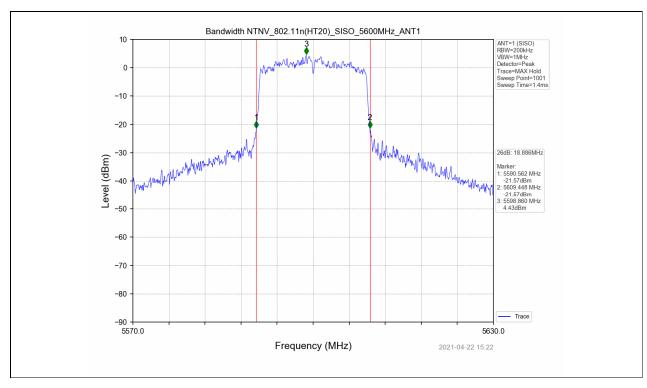




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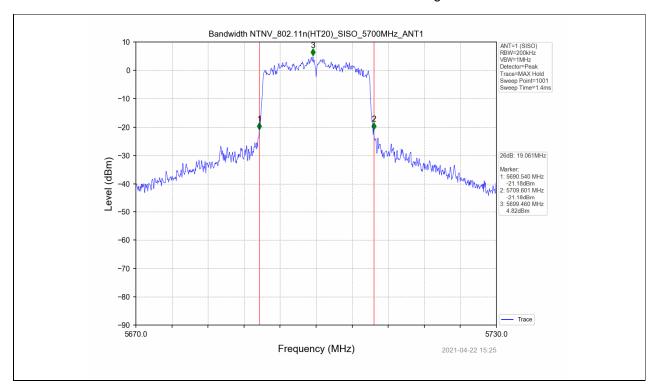


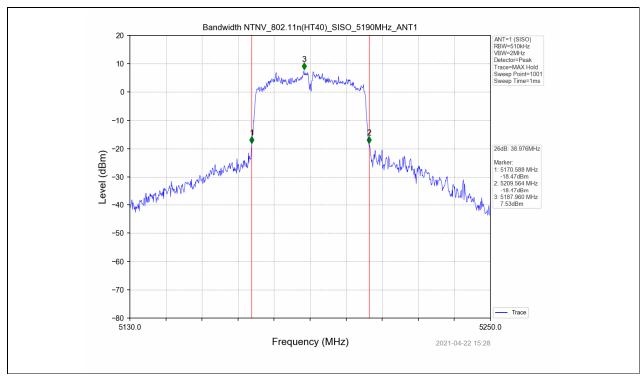




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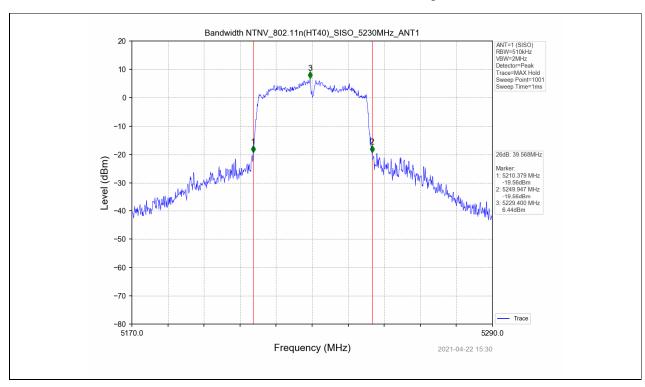


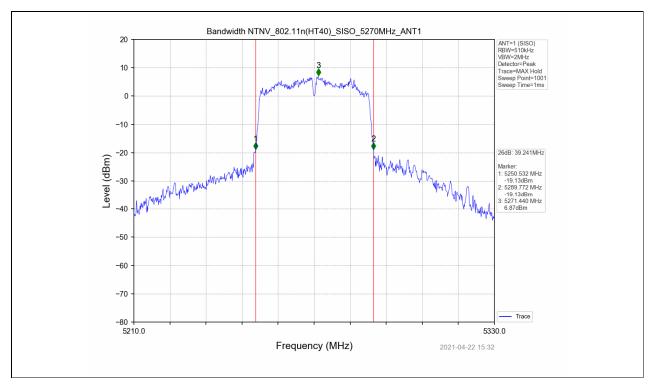




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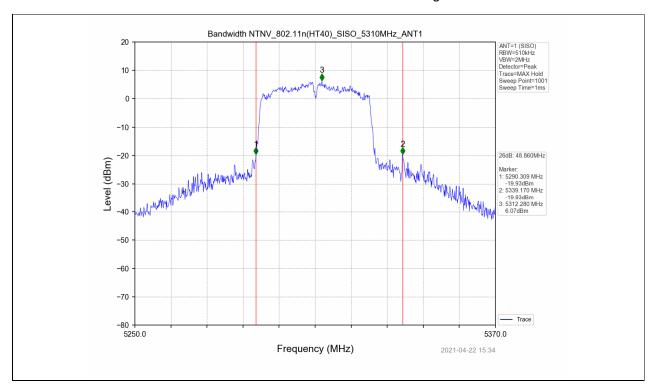


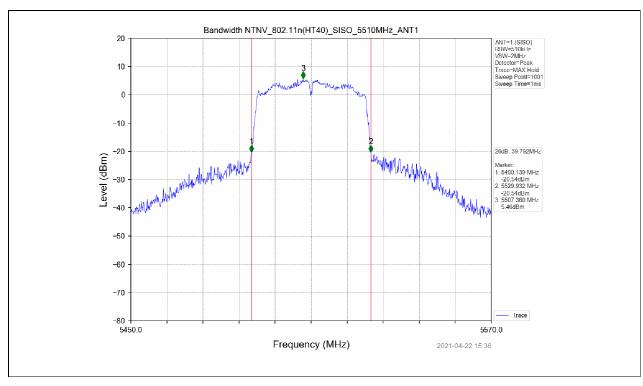




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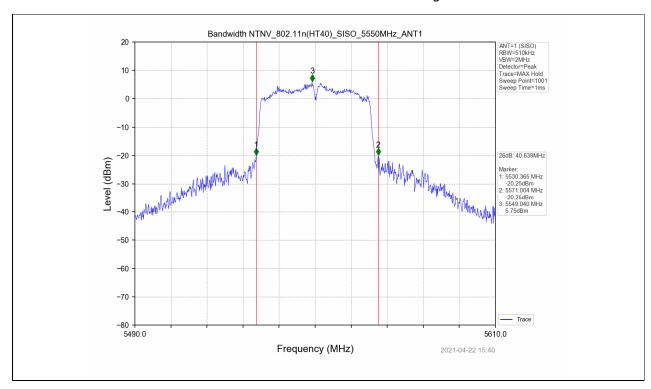


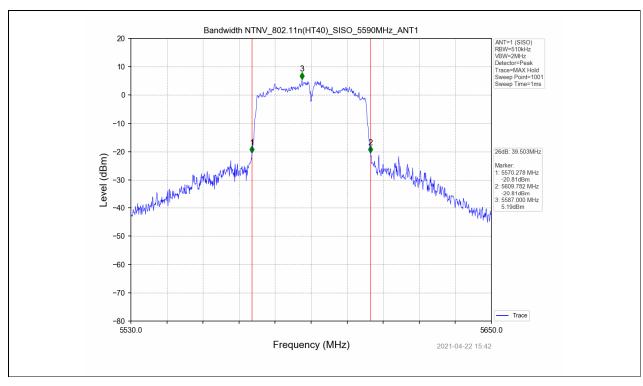




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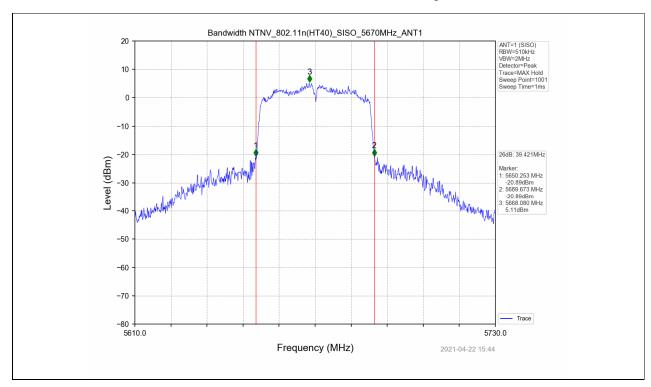




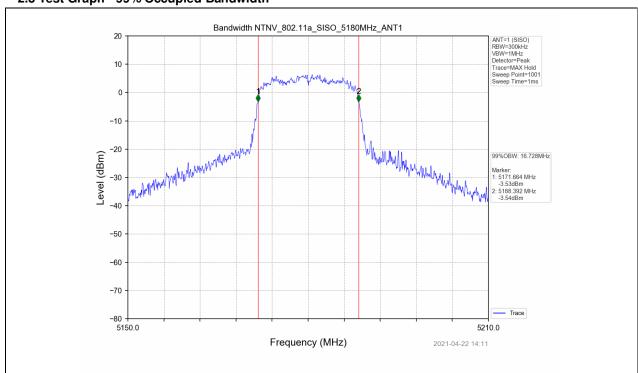


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#### 2.3 Test Graph - 99% Occupied Bandwidth





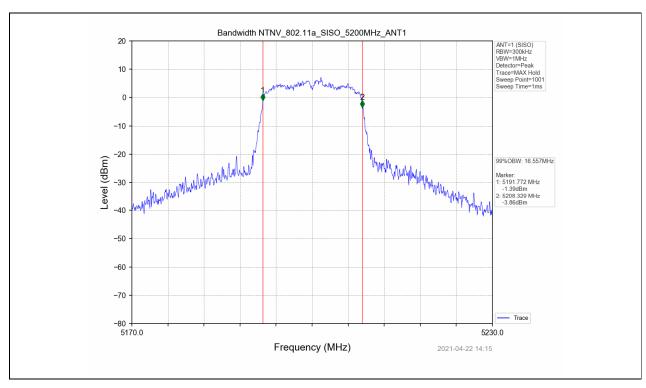
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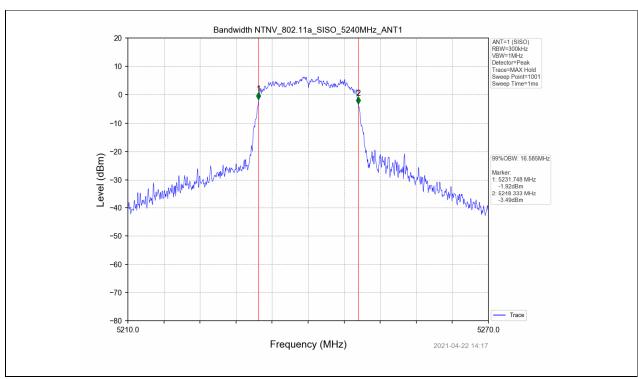
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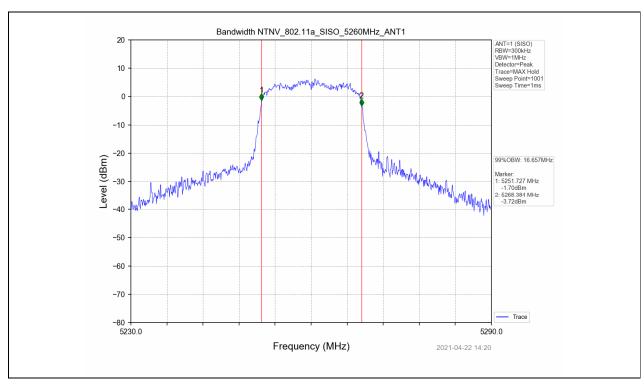


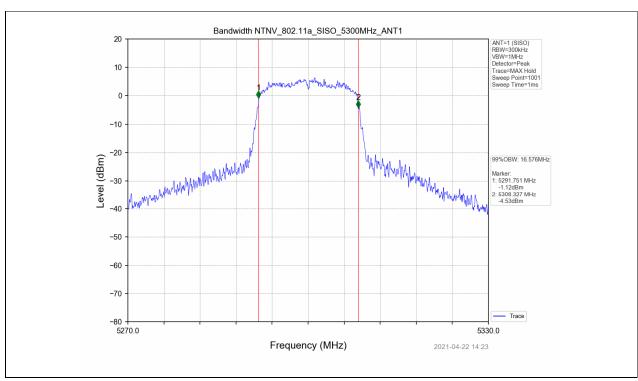
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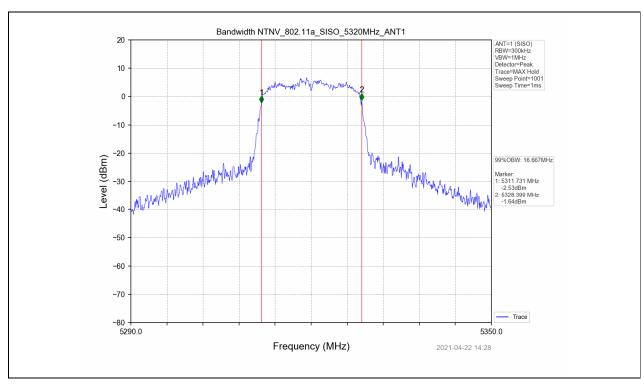


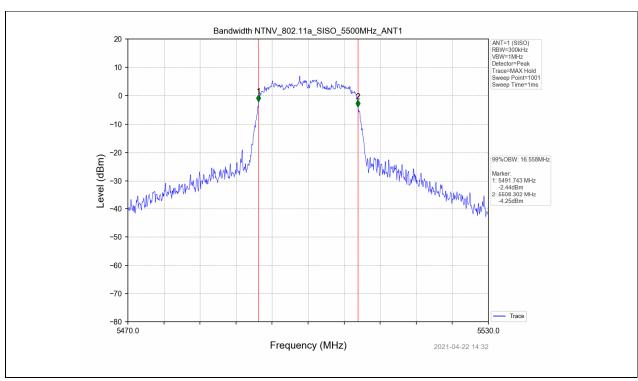




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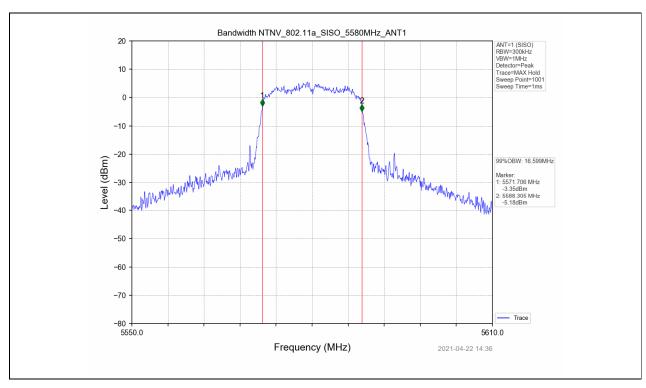


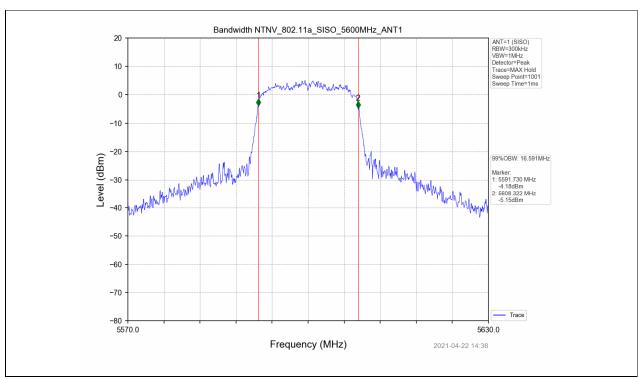




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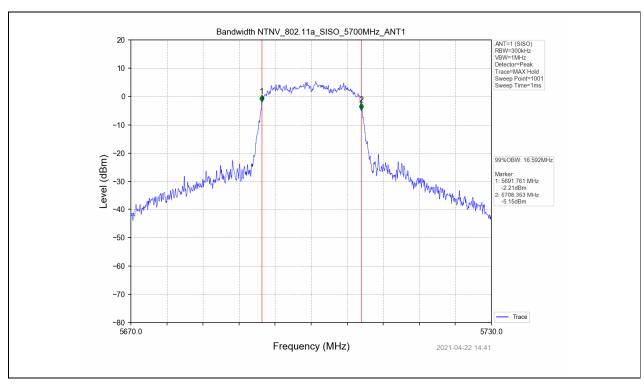
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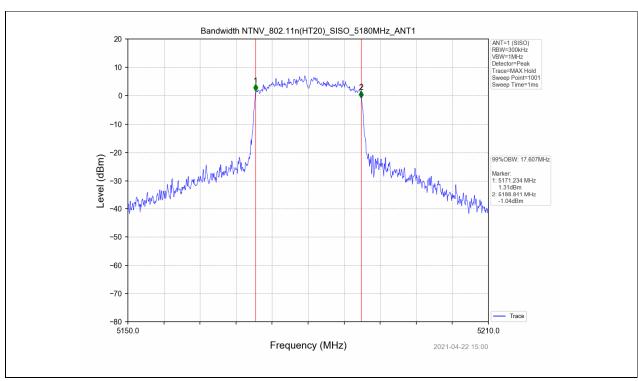
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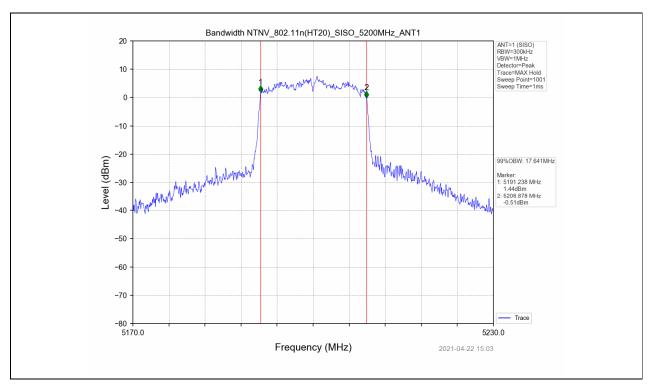


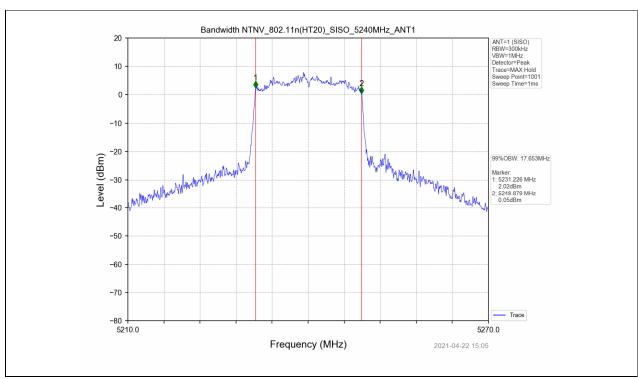




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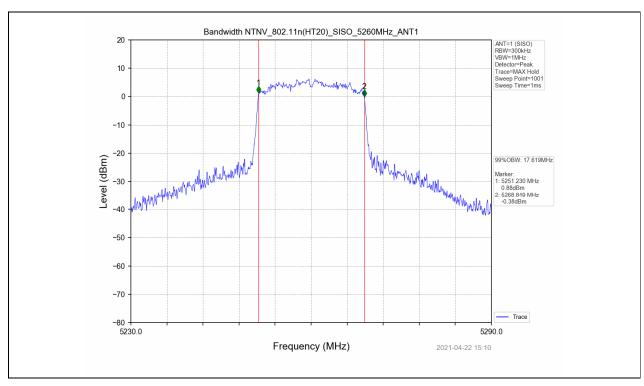
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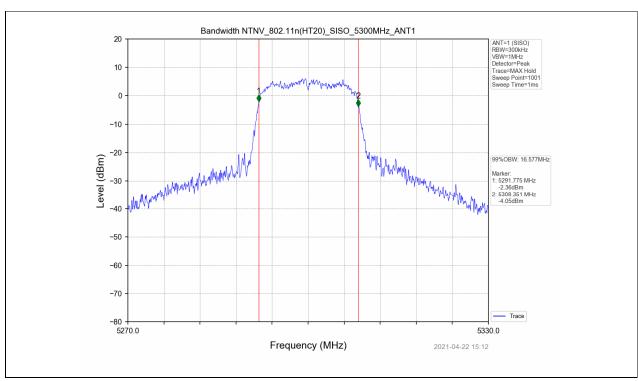
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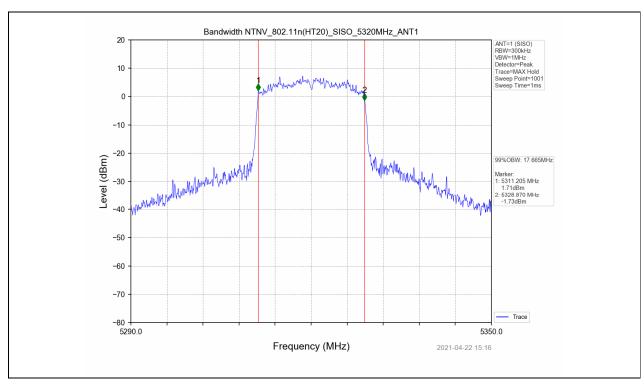


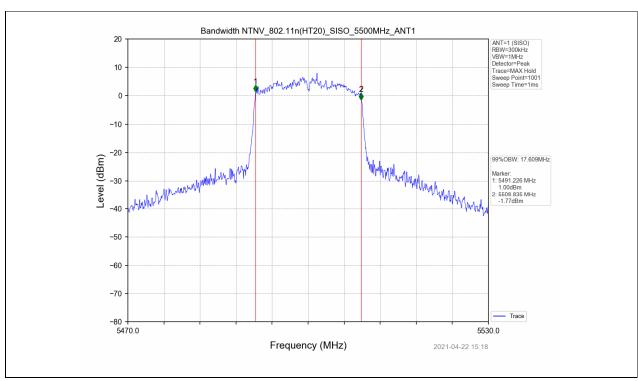




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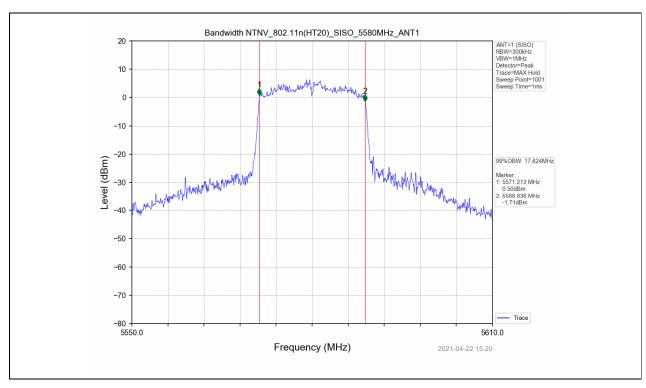


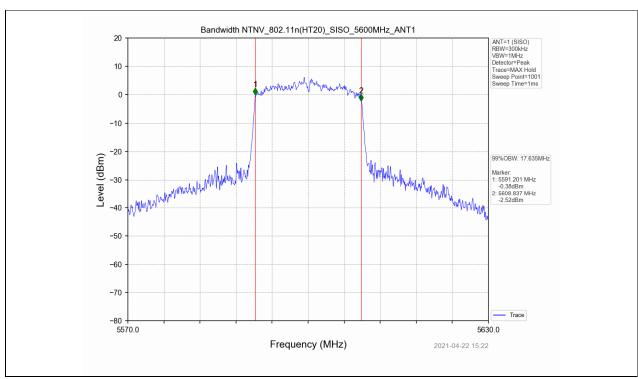




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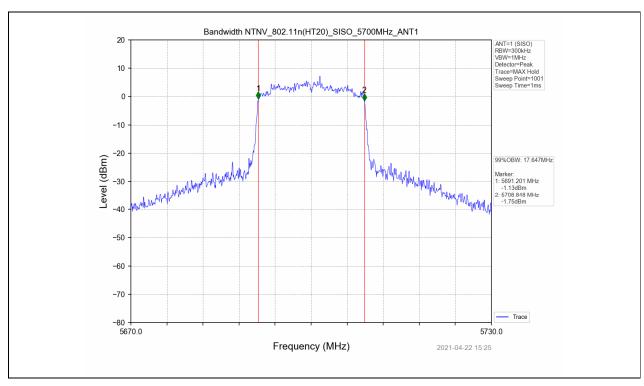


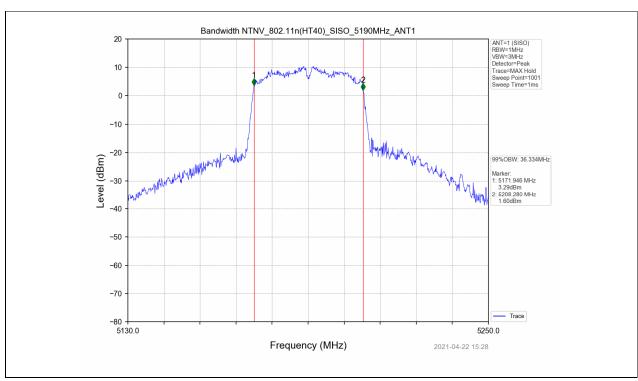




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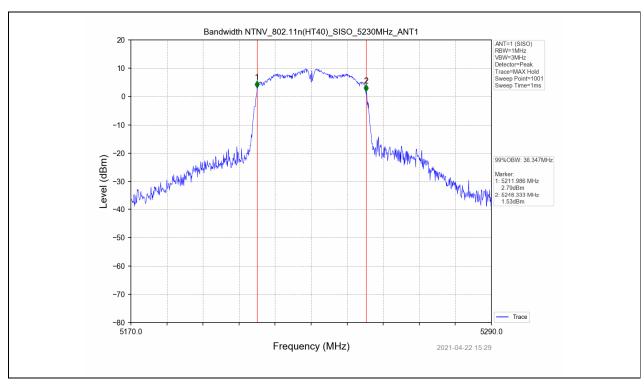


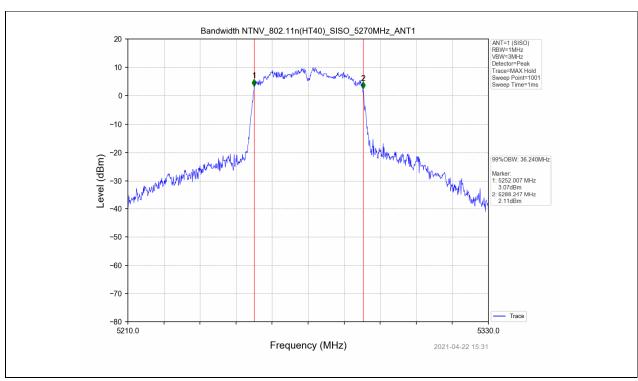




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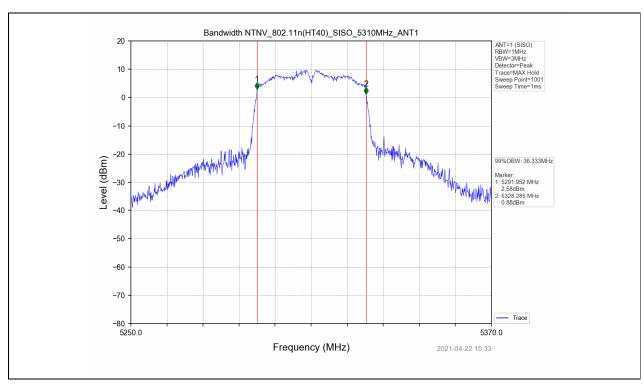


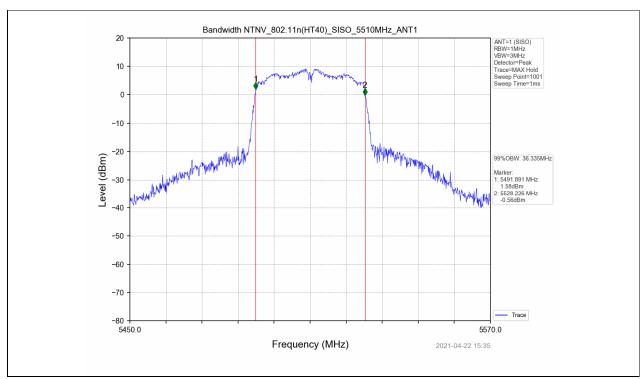




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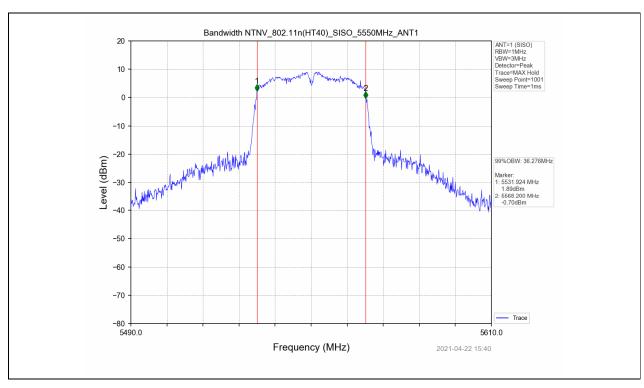


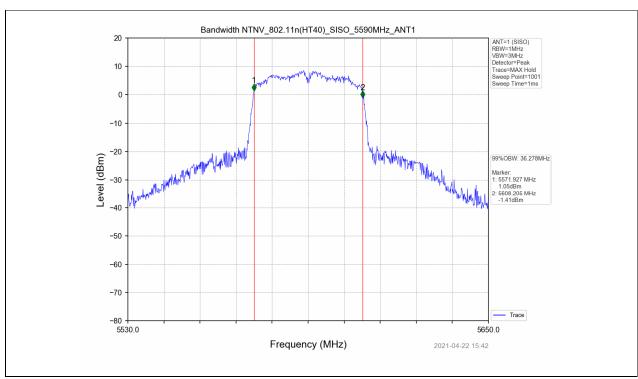




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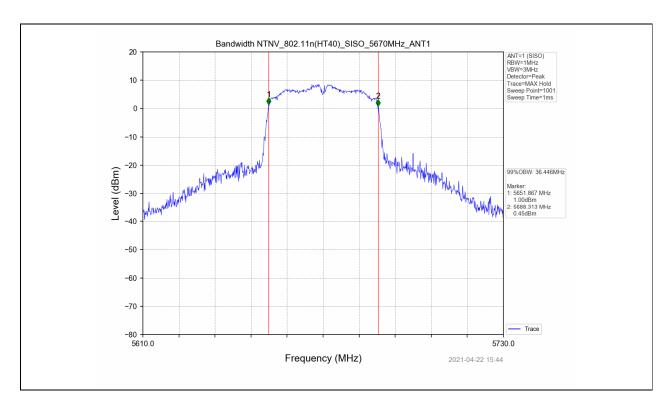






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#### 3. Maximum Conducted Output Power

#### 3.1 Test Result

Test Mode	Frequency (MHz)	Тх Туре	Measured Output Power (dBm)	Limit (dBm)	Verdict
	, ,		Ant 1		
	5180	SISO	14.64	≤23.98	PASS
	5200	SISO	14.59	≤23.98	PASS
	5240	SISO	14.47	≤23.98	PASS
	5260	SISO	14.39	≤23.79	PASS
000 11 -	5300	SISO	14.26	≤23.71	PASS
802.11a	5320	SISO	14.56	≤23.71	PASS
	5500	SISO	14.14	≤23.73	PASS
	5580	SISO	13.41	≤23.91	PASS
	5600	SISO	13.14	≤23.77	PASS
	5700	SISO	13.40	≤23.78	PASS
802.11n(HT20)	5180	SISO	14.26	≤23.98	PASS
	5200	SISO	14.27	≤23.98	PASS
	5240	SISO	14.07	≤23.98	PASS



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	5260	SISO	13.97	≤23.80	PASS
	5300	SISO	14.36	≤23.78	PASS
	5320	SISO	14.18	≤23.78	PASS
	5500	SISO	13.74	≤23.79	PASS
	5580	SISO	13.02	≤23.79	PASS
	5600	SISO	12.76	≤23.76	PASS
	5700	SISO	13.09	≤23.80	PASS
	5190	SISO	14.41	≤23.98	PASS
	5230	SISO	14.86	≤23.98	PASS
	5270	SISO	14.06	≤23.98	PASS
900 11 n/UT40)	5310	SISO	14.70	≤23.98	PASS
802.11n(HT40)	5510	SISO	14.31	≤23.98	PASS
	5550	SISO	14.09	≤23.98	PASS
	5590	SISO	13.44	≤23.98	PASS
	5670	SISO	13.71	≤23.98	PASS

Test Mode	Frequency (MHz)	Тх Туре	Measured Output Power (dBm)	Limit (dBm)	Verdict
	(1711 12)		Ant 1		
	5180	SISO	14.64	/	PASS
	5200	SISO	14.59	/	PASS
	5240	SISO	14.47	/	PASS
	5260	SISO	14.39	≤23.22	PASS
802.11a	5300	SISO	14.26	≤23.19	PASS
002.11a	5320	SISO	14.56	≤23.22	PASS
	5500	SISO	14.14	≤23.19	PASS
	5580	SISO	13.41	≤23.20	PASS
	5600	SISO	13.14	≤23.20	PASS
	5700	SISO	13.40	≤23.20	PASS
	5180	SISO	14.26	/	PASS
	5200	SISO	14.27	/	PASS
	5240	SISO	14.07	/	PASS
	5260	SISO	13.97	≤23.46	PASS
000 11 m/LIT00)	5300	SISO	14.36	≤23.20	PASS
802.11n(HT20)	5320	SISO	14.18	≤23.47	PASS
	5500	SISO	13.74	≤23.46	PASS
	5580	SISO	13.02	≤23.46	PASS
	5600	SISO	12.76	≤23.46	PASS
	5700	SISO	13.09	≤23.47	PASS
902 11p/UT40\	5190	SISO	14.41	/	PASS
802.11n(HT40)	5230	SISO	14.86	/	PASS



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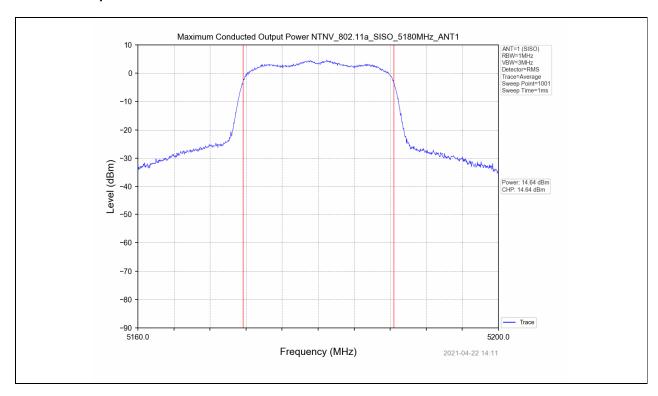


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	5270	SISO	14.06	≤23.98	PASS
	5310	SISO	14.70	≤23.98	PASS
	5510	SISO	14.31	≤23.98	PASS
	5550	SISO	14.09	≤23.98	PASS
	5590	SISO	13.44	≤23.98	PASS
	5670	SISO	13.71	≤23.98	PASS

#### 3.2 Test Graph

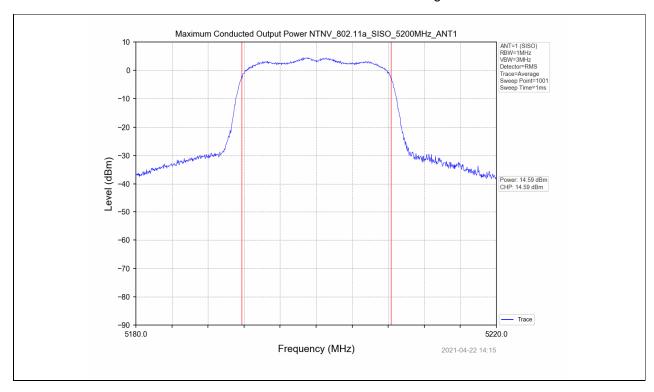


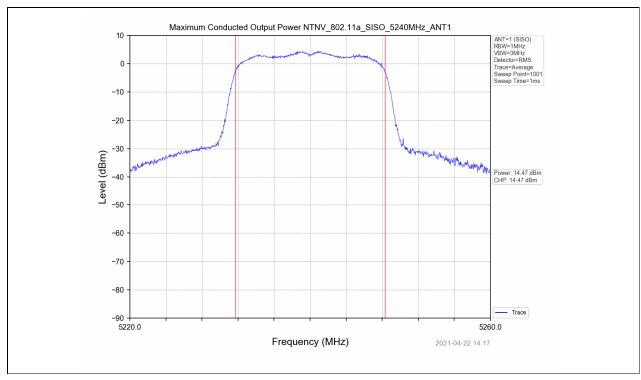




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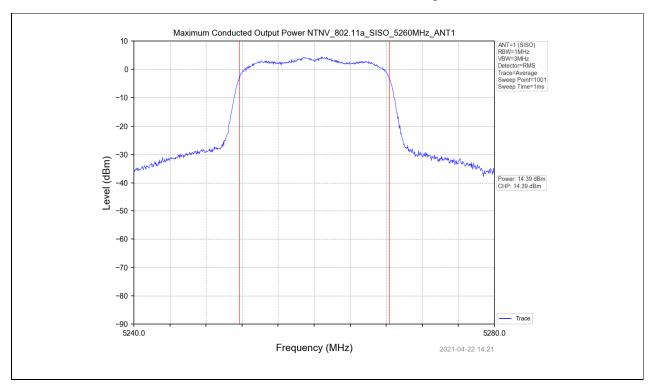


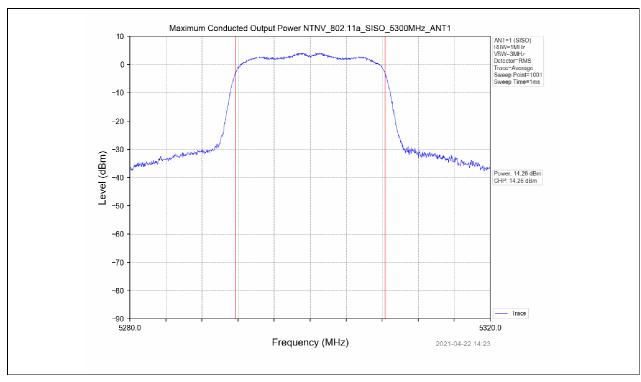




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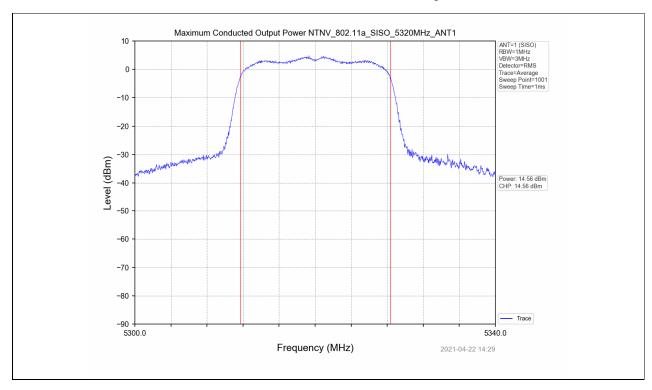


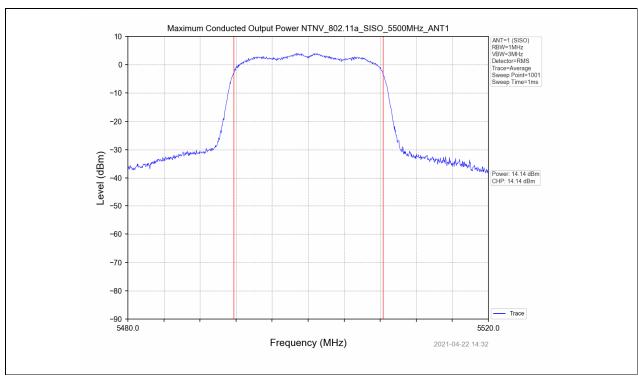




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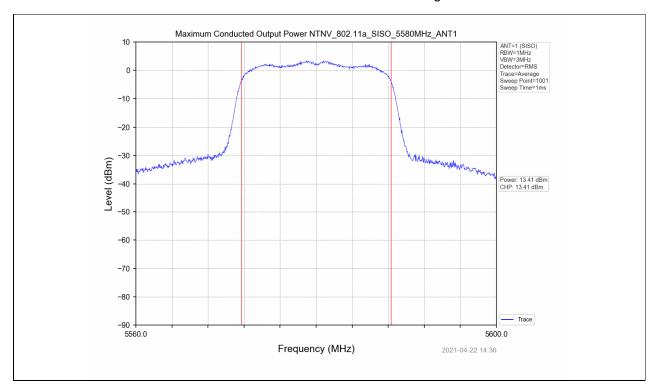


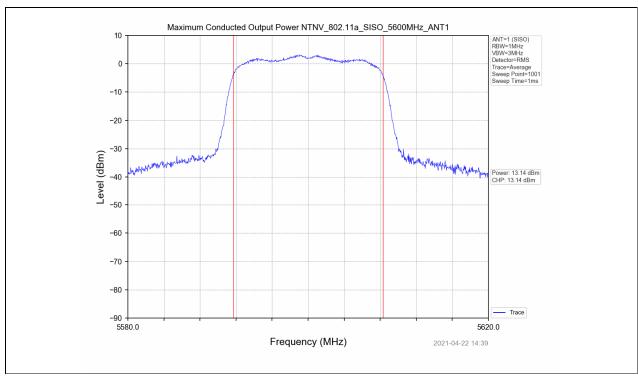
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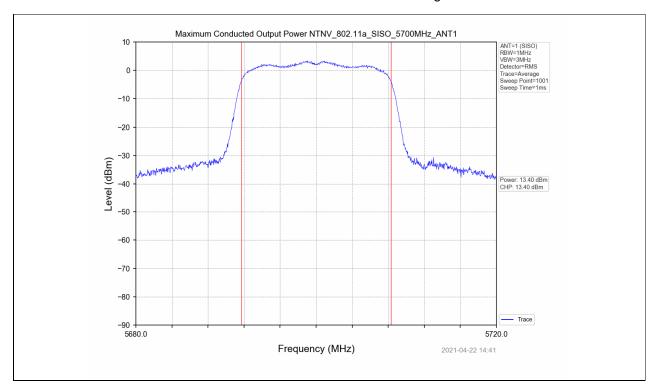


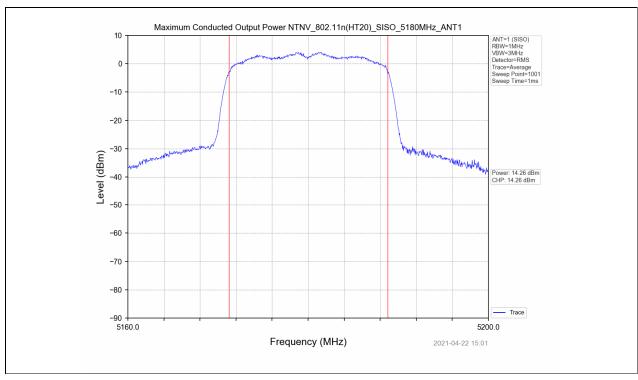




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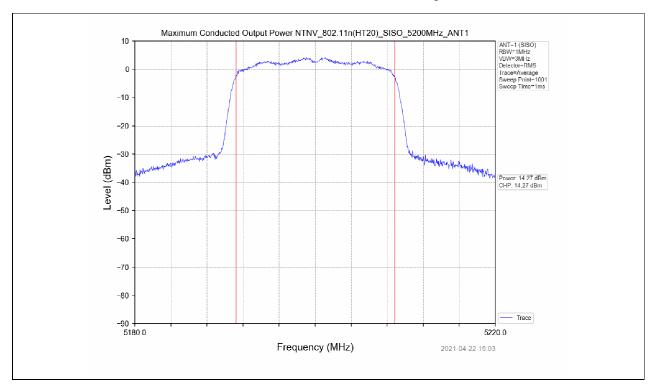


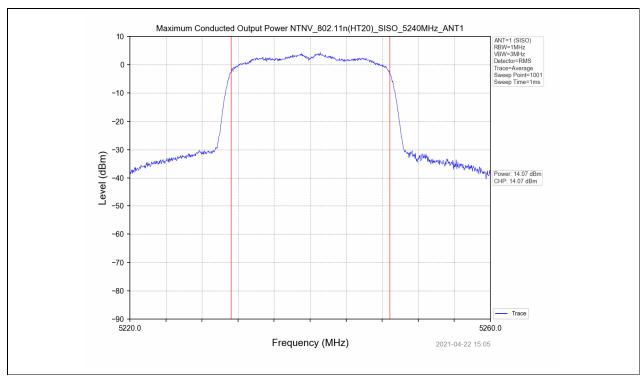




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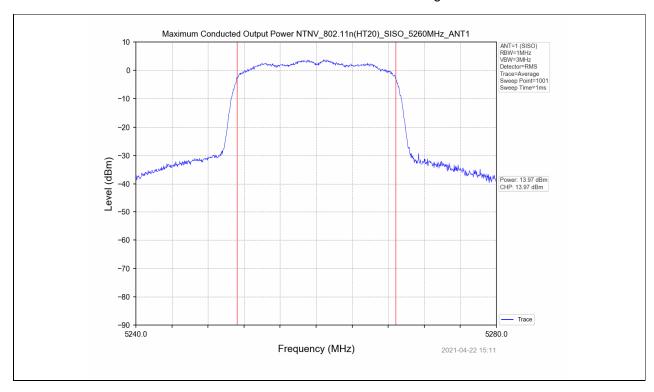


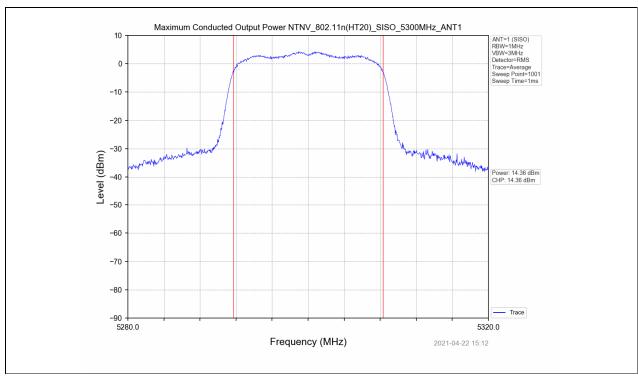




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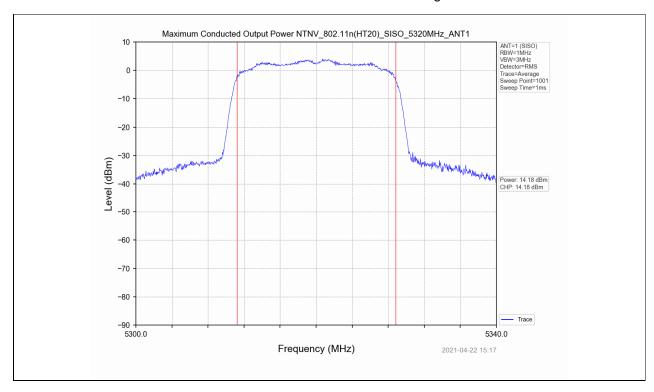


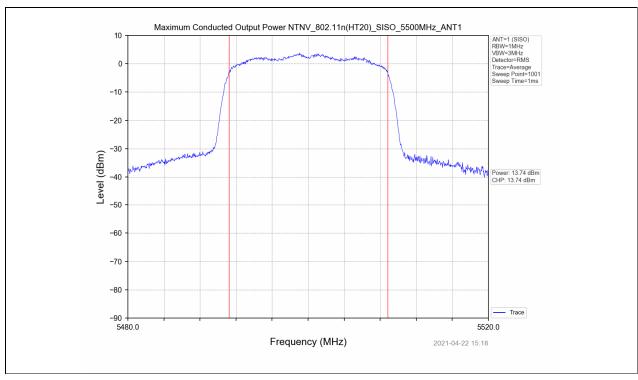




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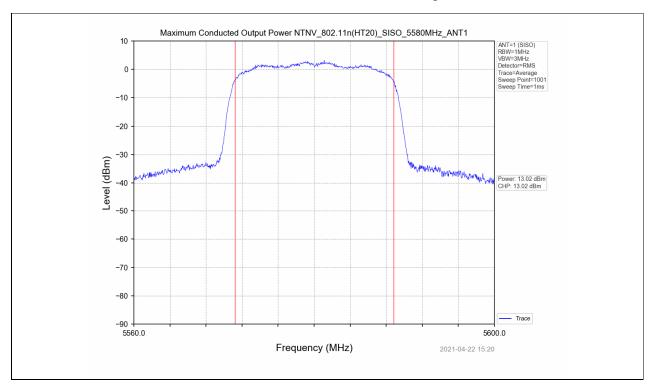


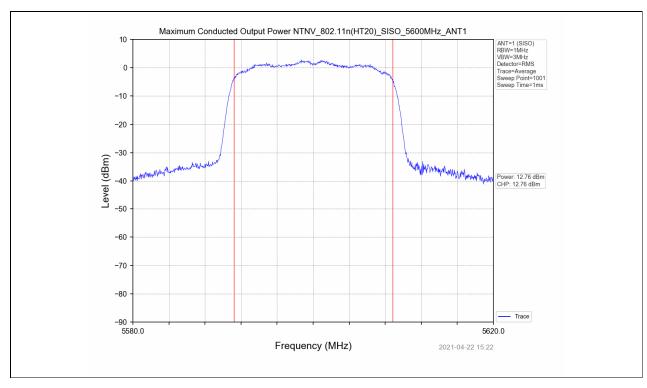




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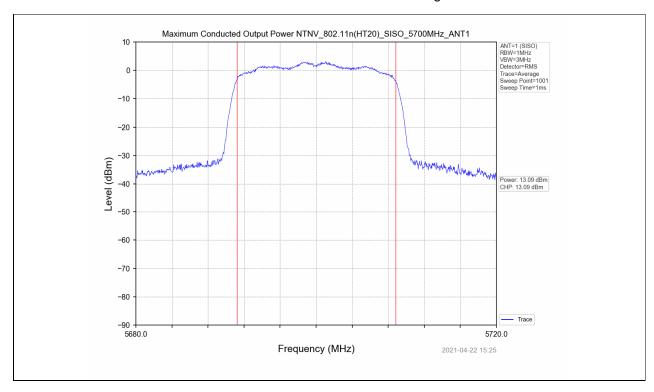
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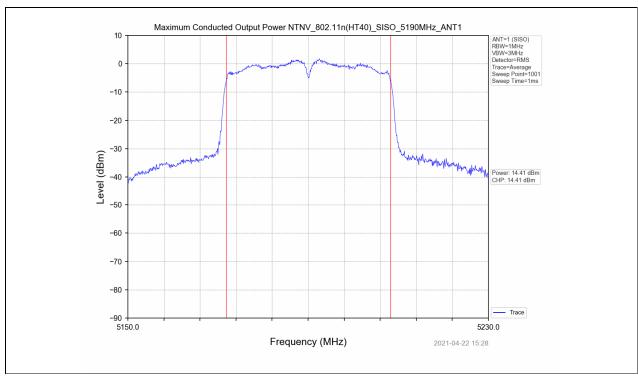
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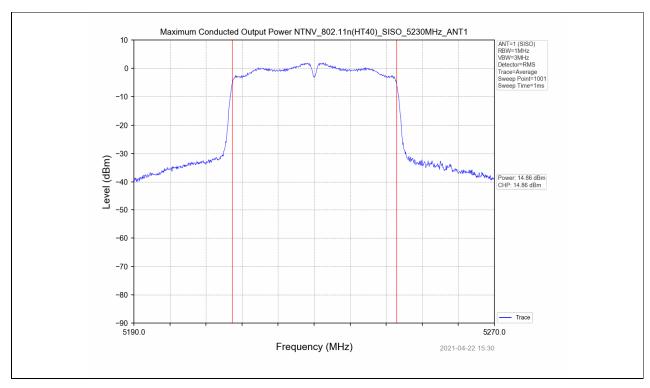
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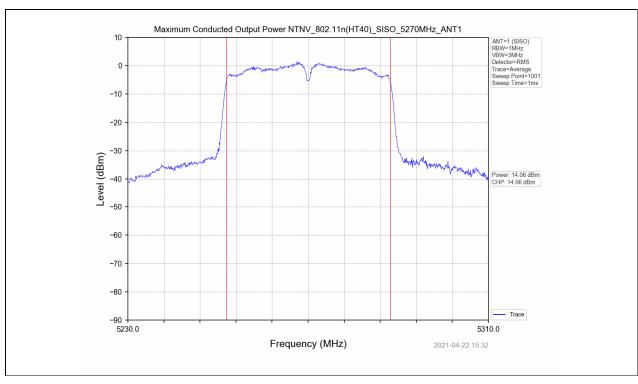
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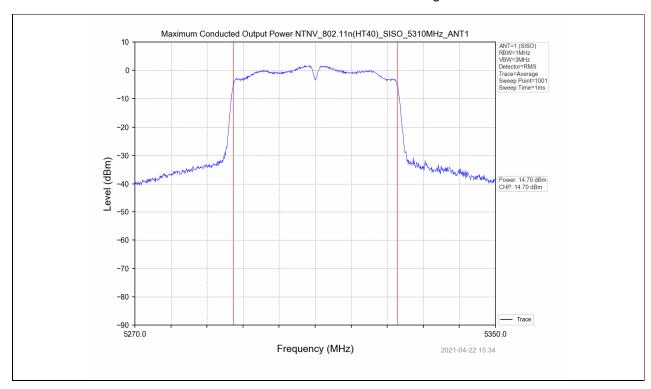


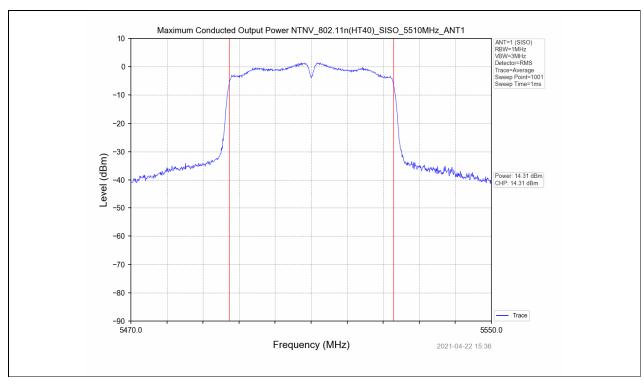




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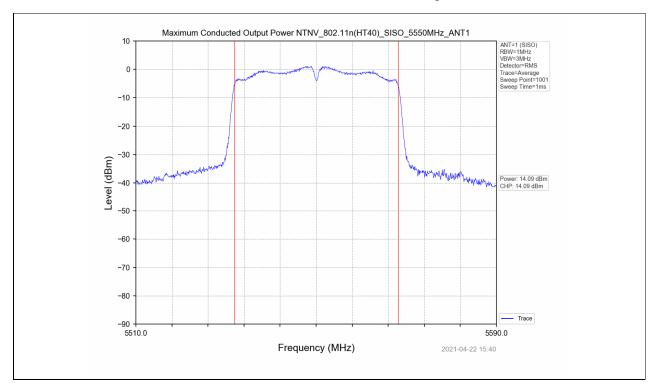


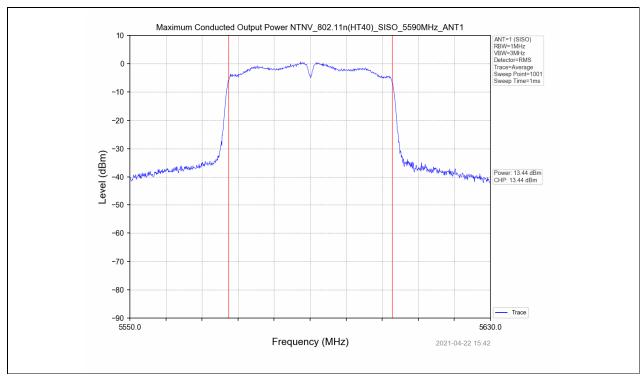




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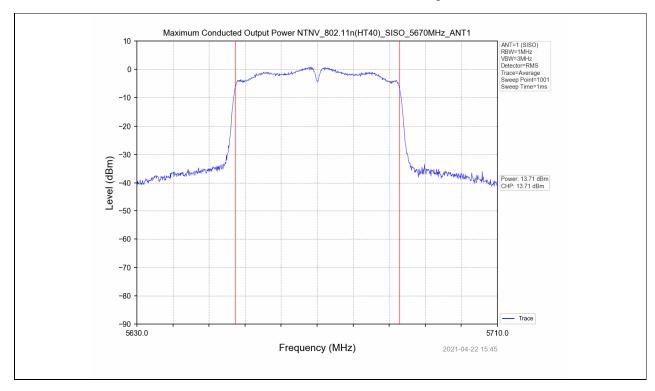






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#### 4. Maximum Power Spectral Density (PSD)

#### 4.1 Test Result

Test Mode	Frequency (MHz)	Тх Туре	Maximum Power Spectral Density (dBm/MHz) Ant 1	Limits (dBm/MHz)	Verdict
	5180	SISO	4.64	≤11	PASS
	5200	SISO	4.64	≤11	PASS
	5240	SISO	4.49	≤11	PASS
	5260	SISO	4.32	≤11	PASS
802.11a	5300	SISO	4.51	≤11	PASS
002.11a	5320	SISO	4.65	≤11	PASS
	5500	SISO	4.25	≤11	PASS
	5580	SISO	3.63	≤11	PASS
	5600	SISO	3.16	≤11	PASS
	5700	SISO	3.45	≤11	PASS
802.11n(HT20)	5180	SISO	4.63	≤11	PASS
	5200	SISO	4.80	≤11	PASS
	5240	SISO	4.18	≤11	PASS



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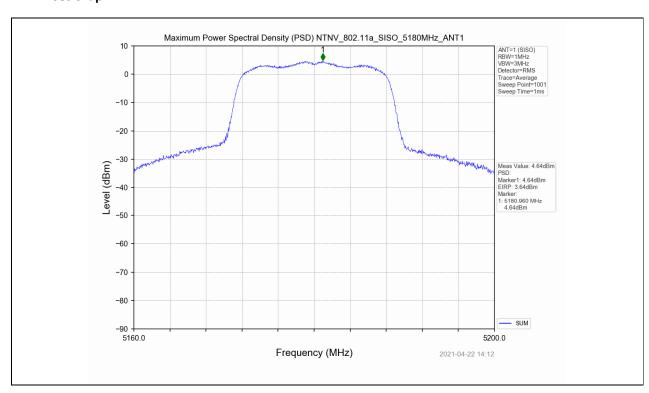


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	F000	CICO	4.04	24.4	DACC
	5260	SISO	4.21	≤11	PASS
	5300	SISO	4.46	≤11	PASS
	5320	SISO	4.32	≤11	PASS
	5500	SISO	3.94	≤11	PASS
	5580	SISO	3.61	≤11	PASS
	5600	SISO	3.27	≤11	PASS
	5700	SISO	3.52	≤11	PASS
802.11n(HT40)	5190	SISO	2.17	≤11	PASS
	5230	SISO	2.28	≤11	PASS
	5270	SISO	2.04	≤11	PASS
	5310	SISO	1.97	≤11	PASS
	5510	SISO	1.78	≤11	PASS
	5550	SISO	1.17	≤11	PASS
	5590	SISO	0.67	≤11	PASS
	5670	SISO	1.01	≤11	PASS

### 4.2 Test Graph





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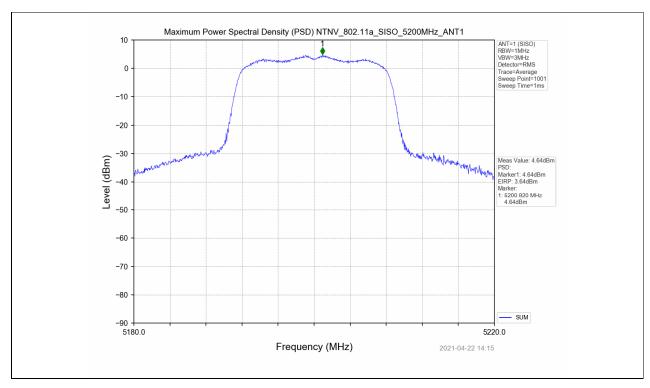
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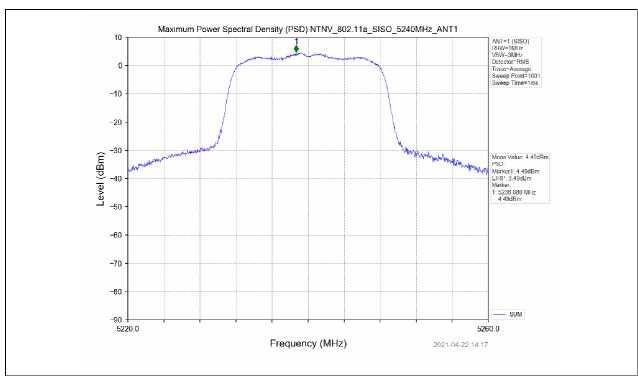
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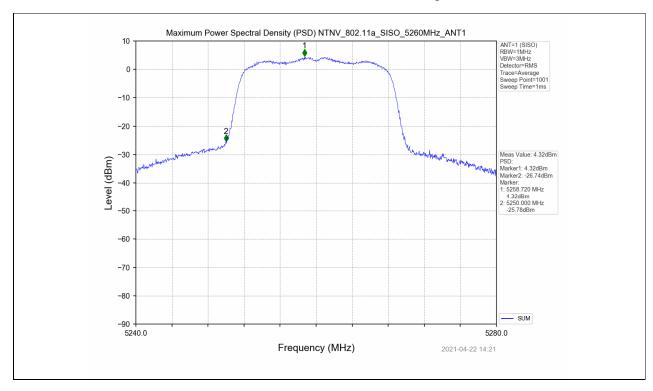


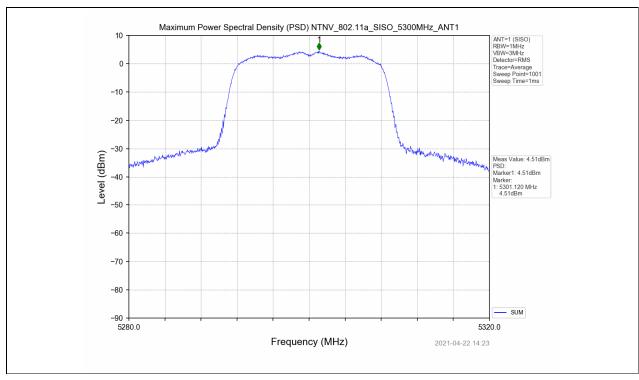




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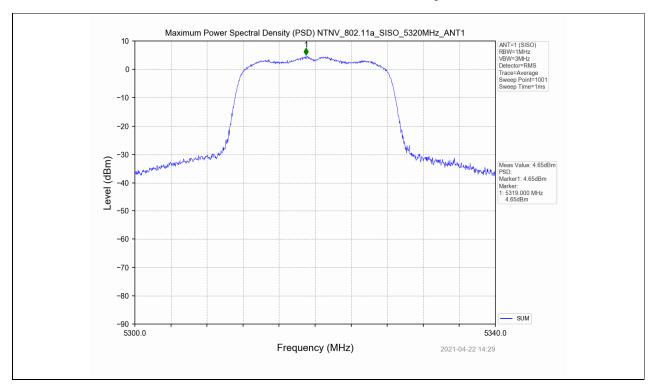


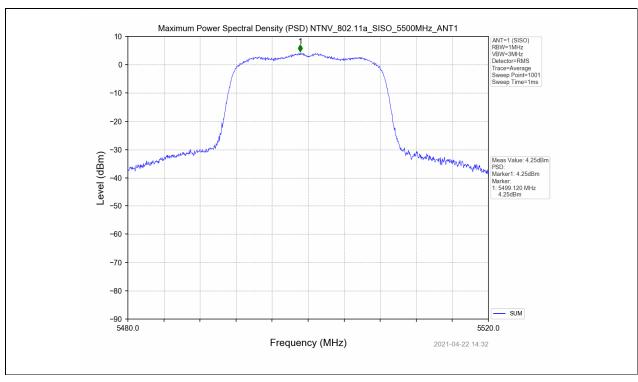




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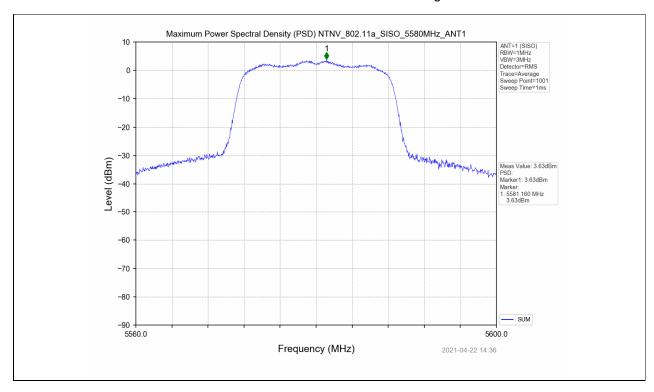


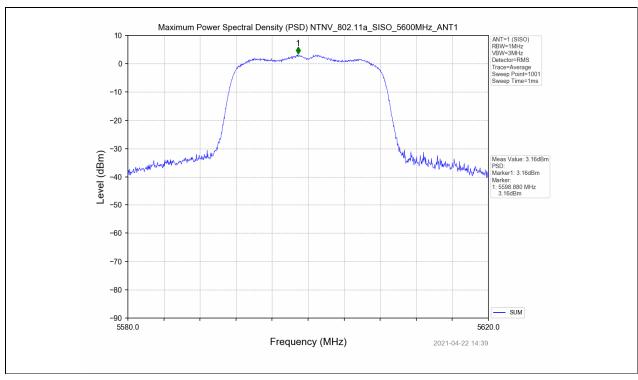




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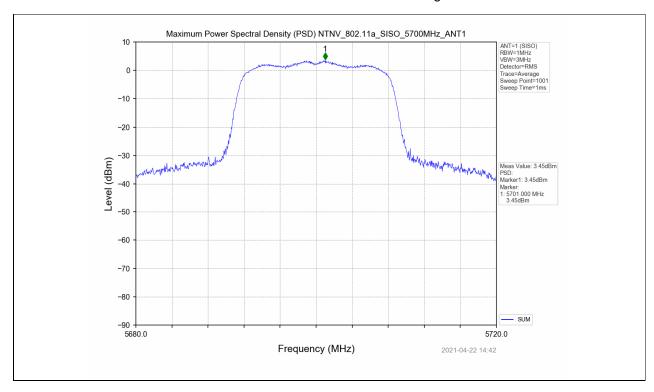


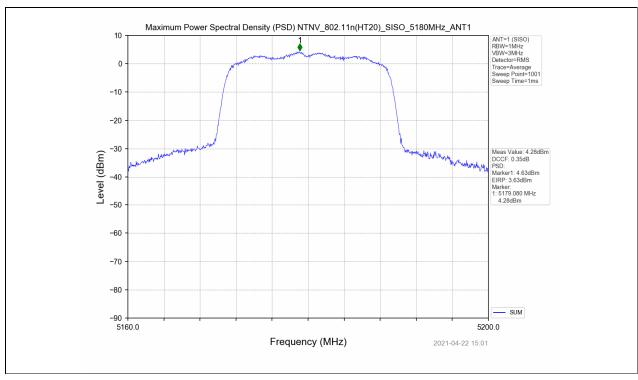




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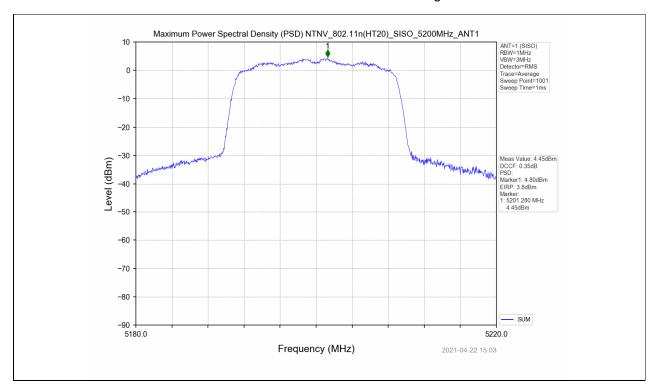


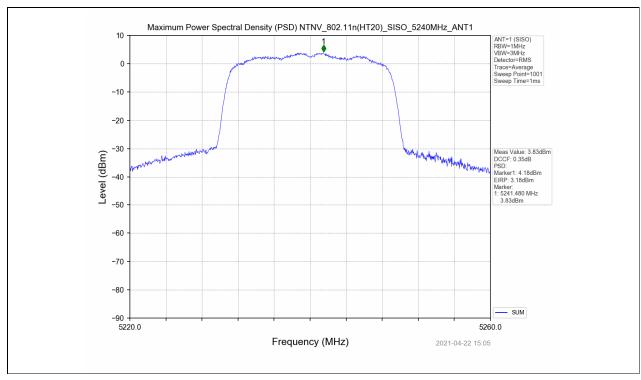




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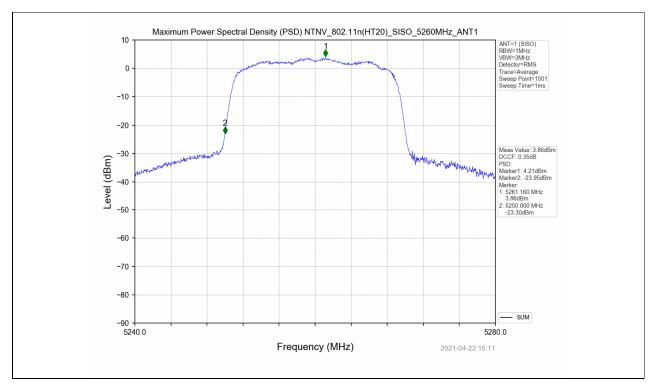


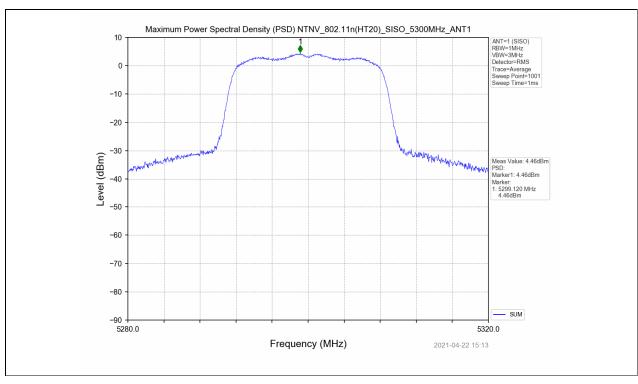




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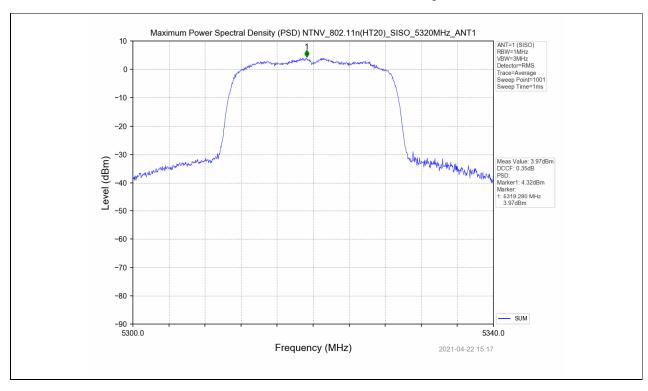


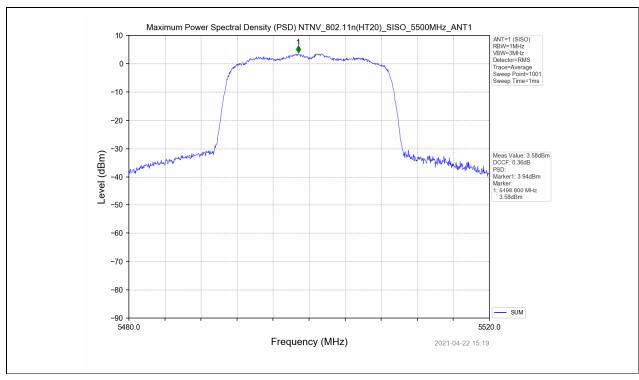




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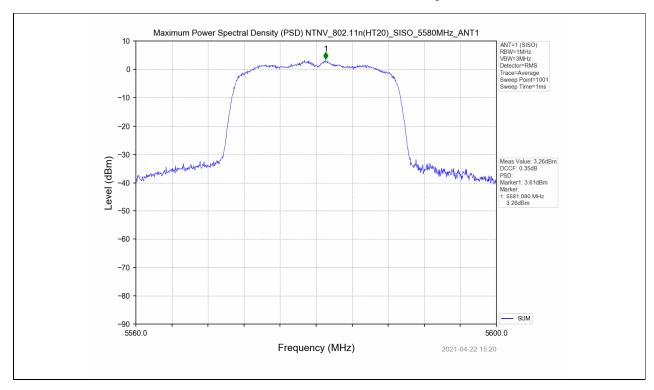


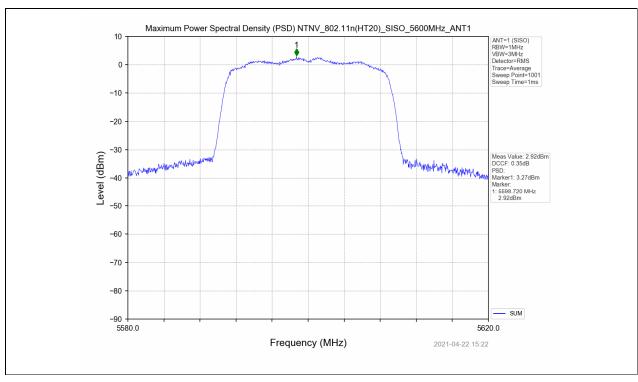




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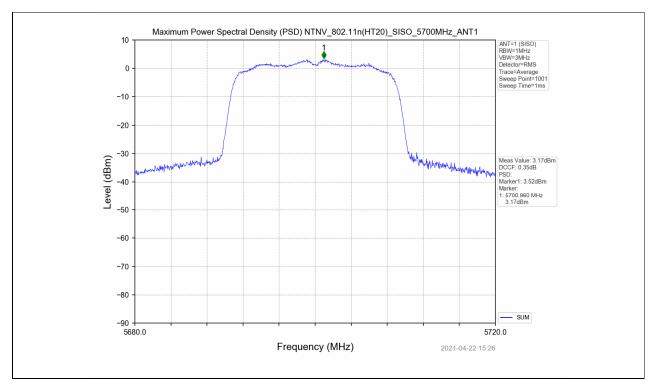


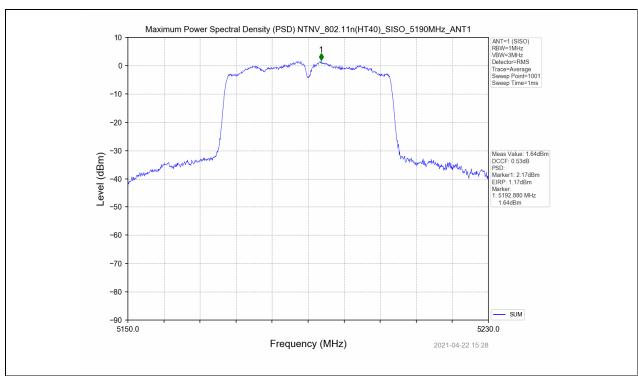




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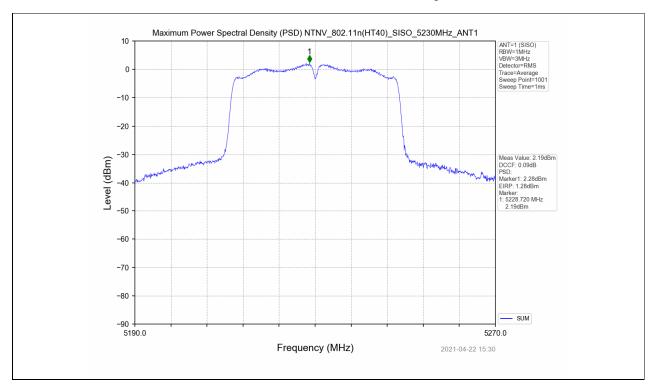


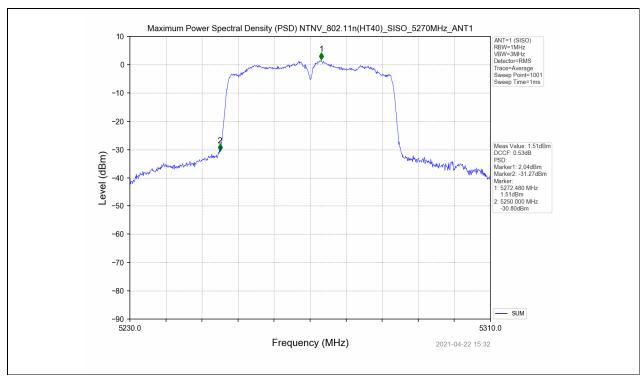




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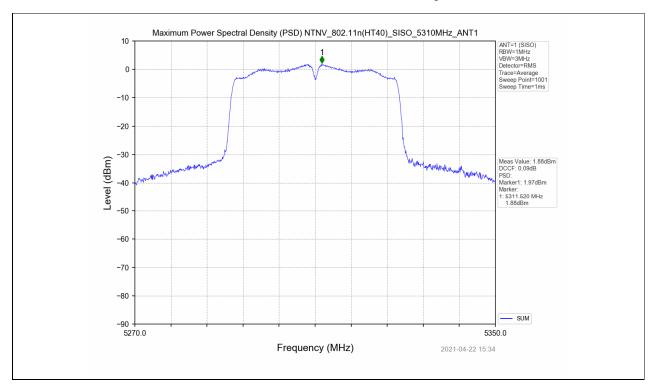


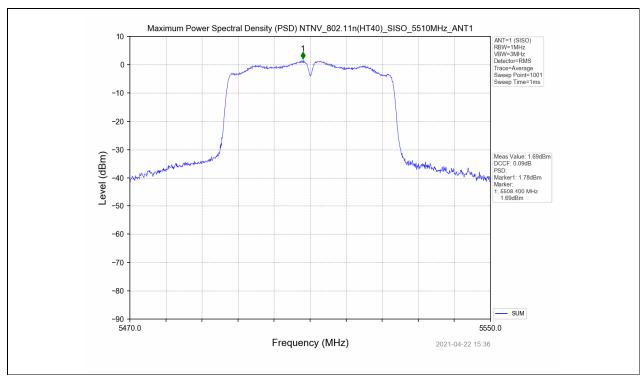




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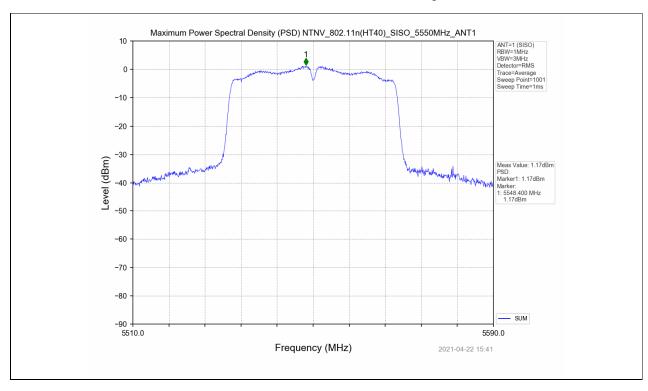


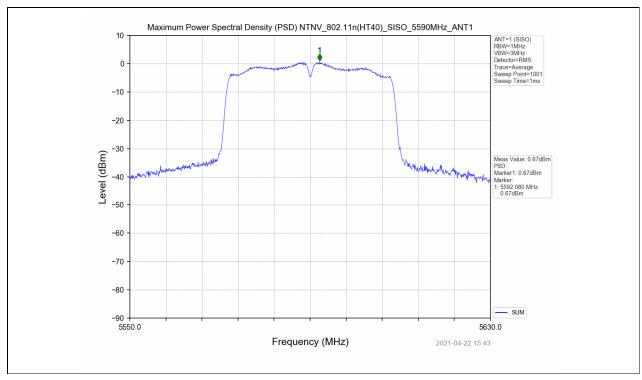




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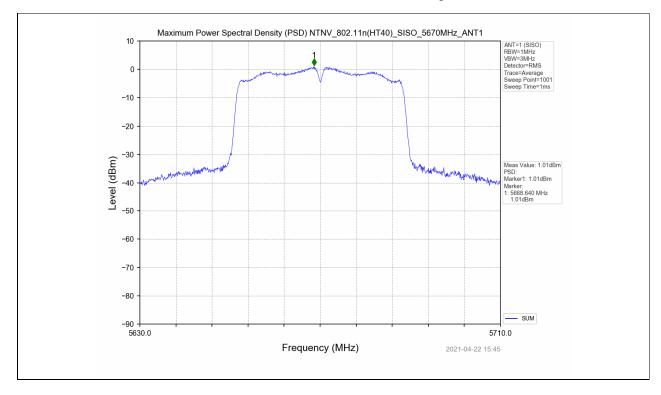






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### 5. Frequency Stability

#### 5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
	802.11a	5180	1	-7.72	<=20	PASS
		5200	1	-3.85	<=20	PASS
		5240	1	0	<=20	PASS
		5260	1	-3.8	<=20	PASS
		5300	1	-3.77	<=20	PASS
		5320	1	-7.52	<=20	PASS
		5500	1	0	<=20	PASS
NITNI\/		5580	1	0	<=20	PASS
NTNV		5700	1	-3.51	<=20	PASS
	802.11n	5190	1	0	<=20	PASS
		5230	1	0	<=20	PASS
		5270	1	0	<=20	PASS
		5310	1	0	<=20	PASS
		5510	1	0	<=20	PASS
		5550	1	0	<=20	PASS
		5670	1	0	<=20	PASS



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#### 6. DFS

DFS: Non-occupancy period, DFS: Channel Move Time, DFS: Channel Closing Transmission Time Test plots as follows:

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

Radar Waveform Calibration

Radar Type 1 (40MHz / 5310MHz)



#### **Test Data:**

BW/Channel	Test Item	Test Result	Limit	Results
40MHz / 5310MHz	Non-occupancy period	Refer to test point	>30 min	pass
	Channel Move Time	0.37s	<10s	Pass
	Channel Closing Transmission Time	2.00ms	<60ms	Pass

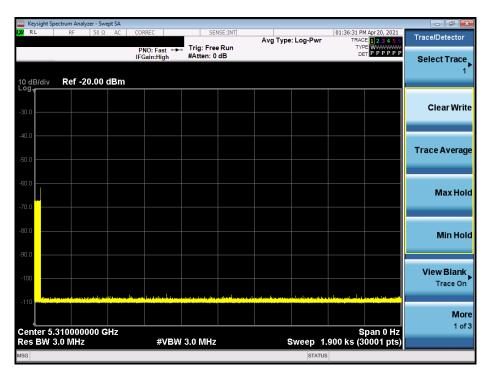


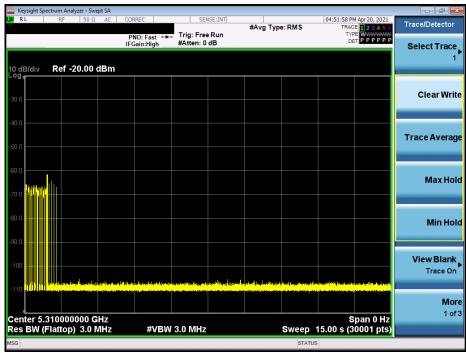


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#### 40MHz / 5310MHz







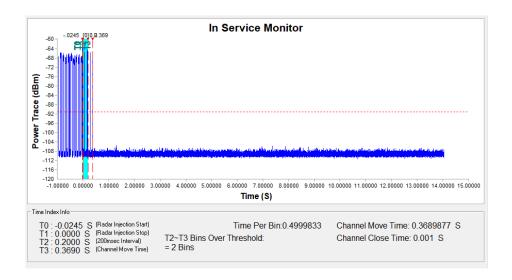
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