

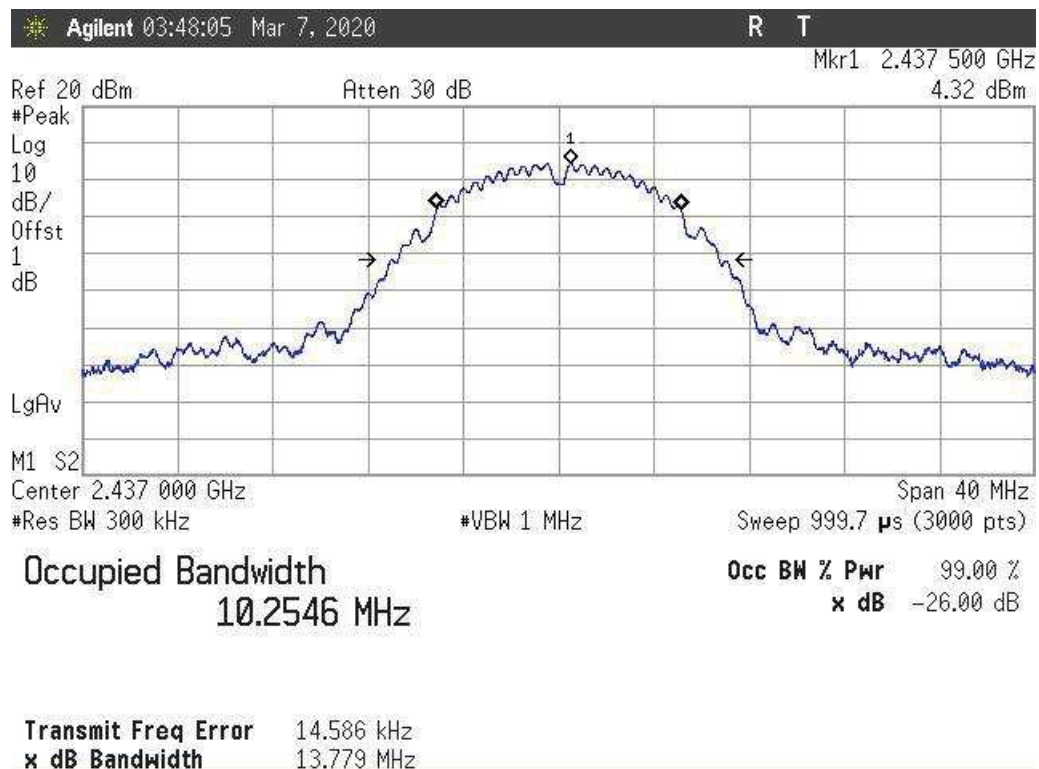
SISO CORE1_Port4 Antenna:

- **Mode 802.11 b – Occupied Bandwidth**

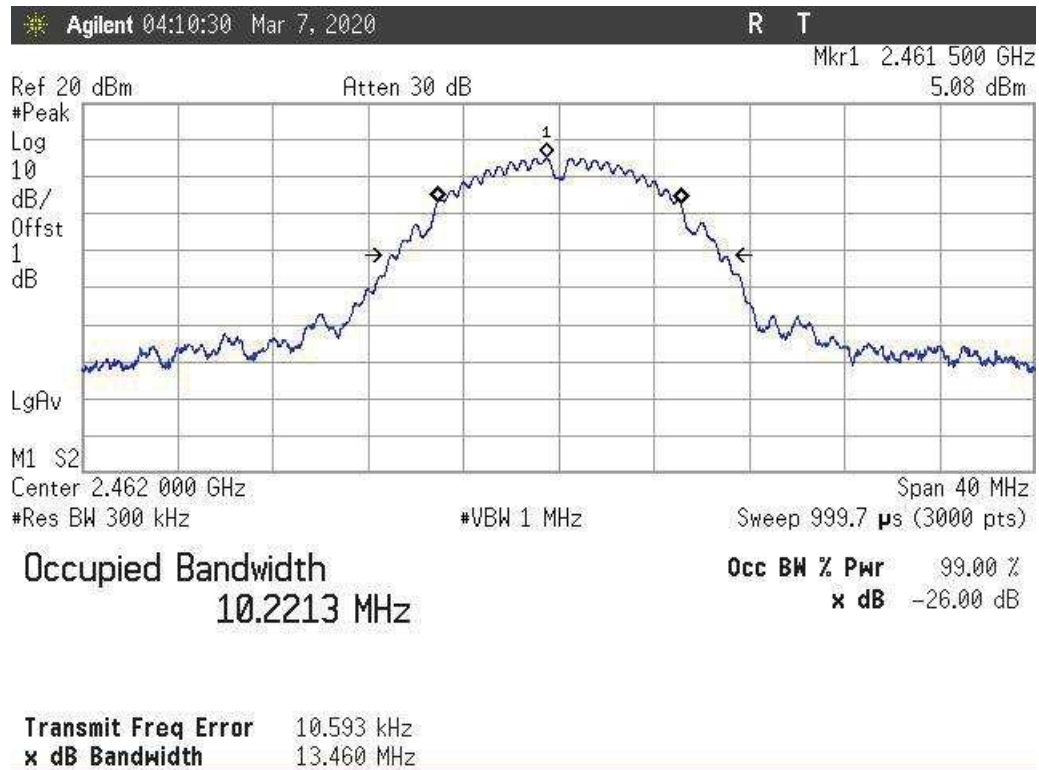
- Low Channel:



- Middle Channel:

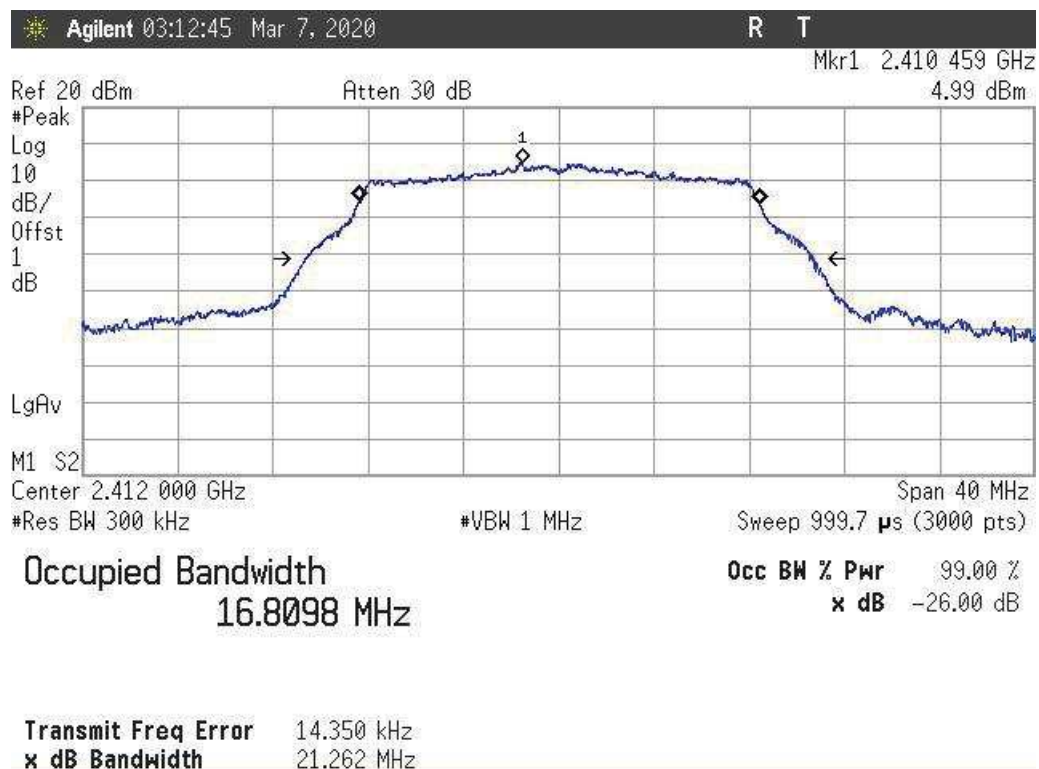


- High Channel:

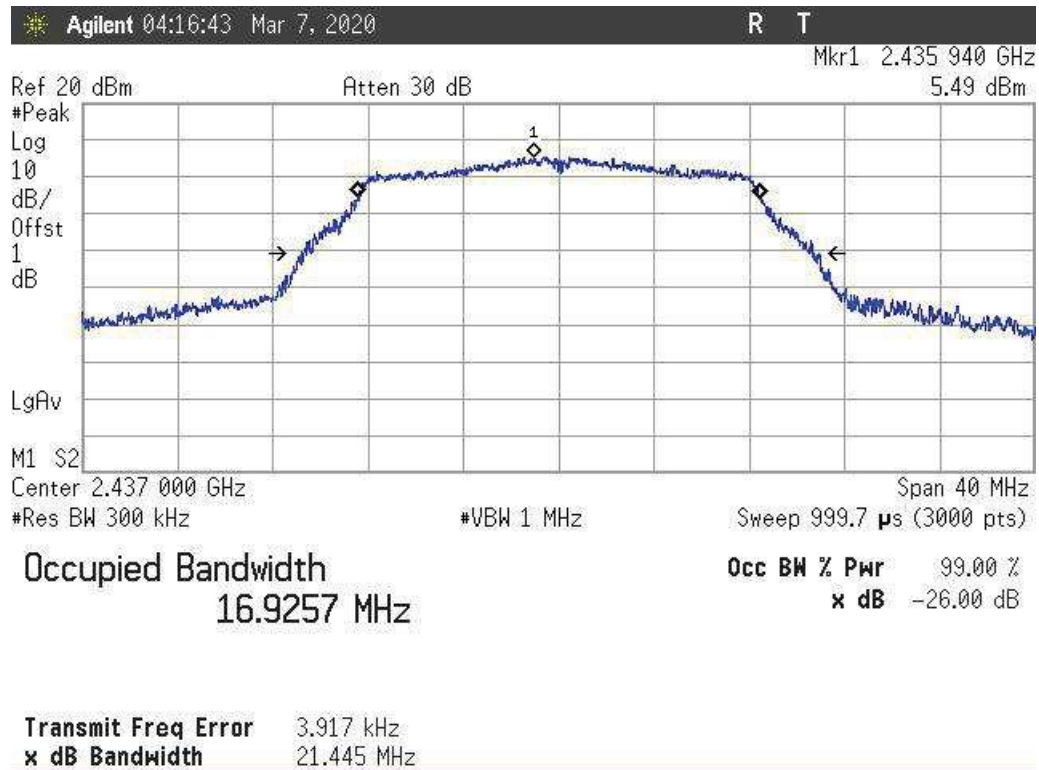


- Mode 802.11 g – Occupied Bandwidth

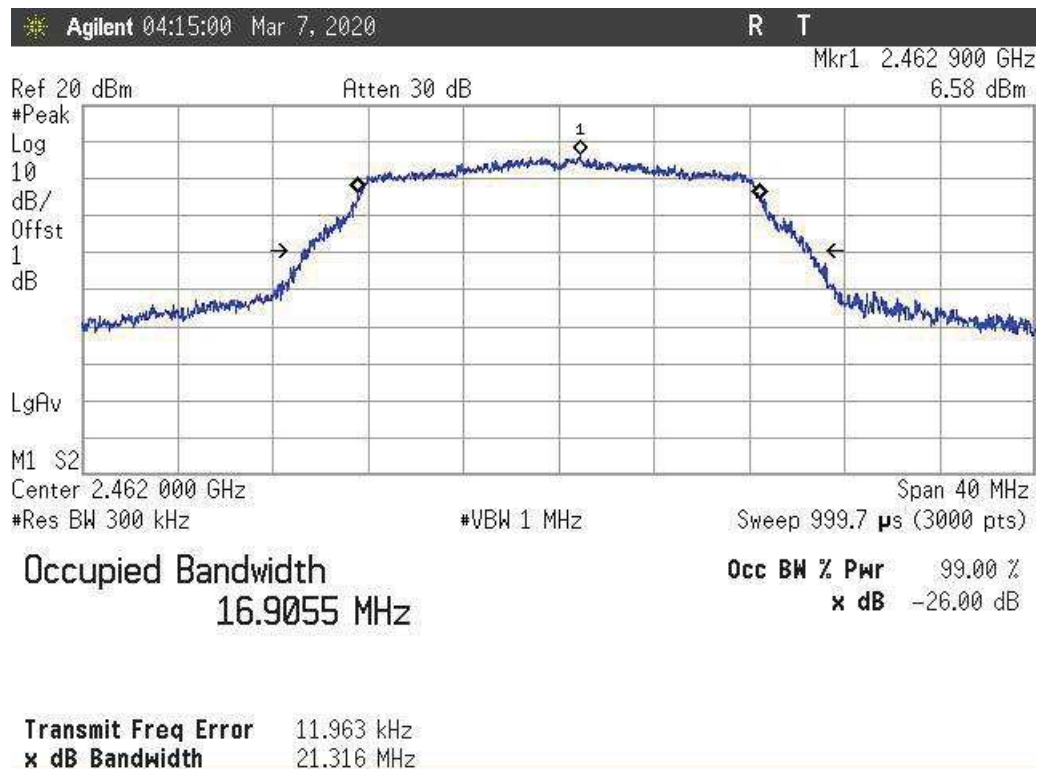
- Low Channel:



- Middle Channel:

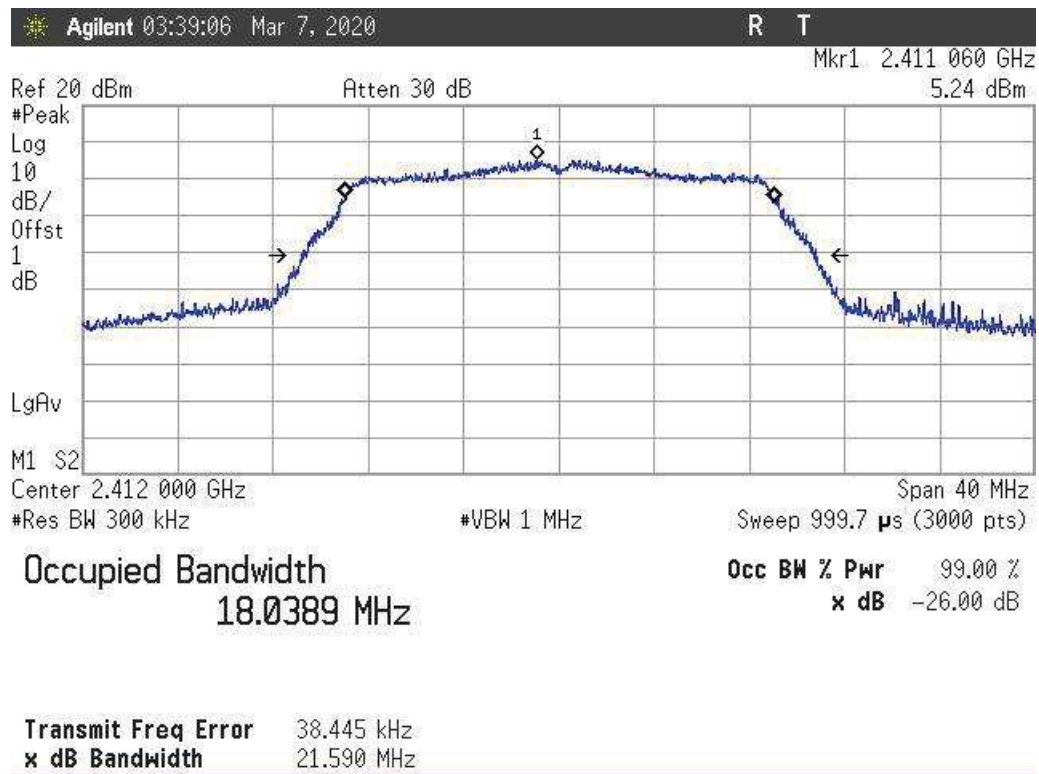


- High Channel:

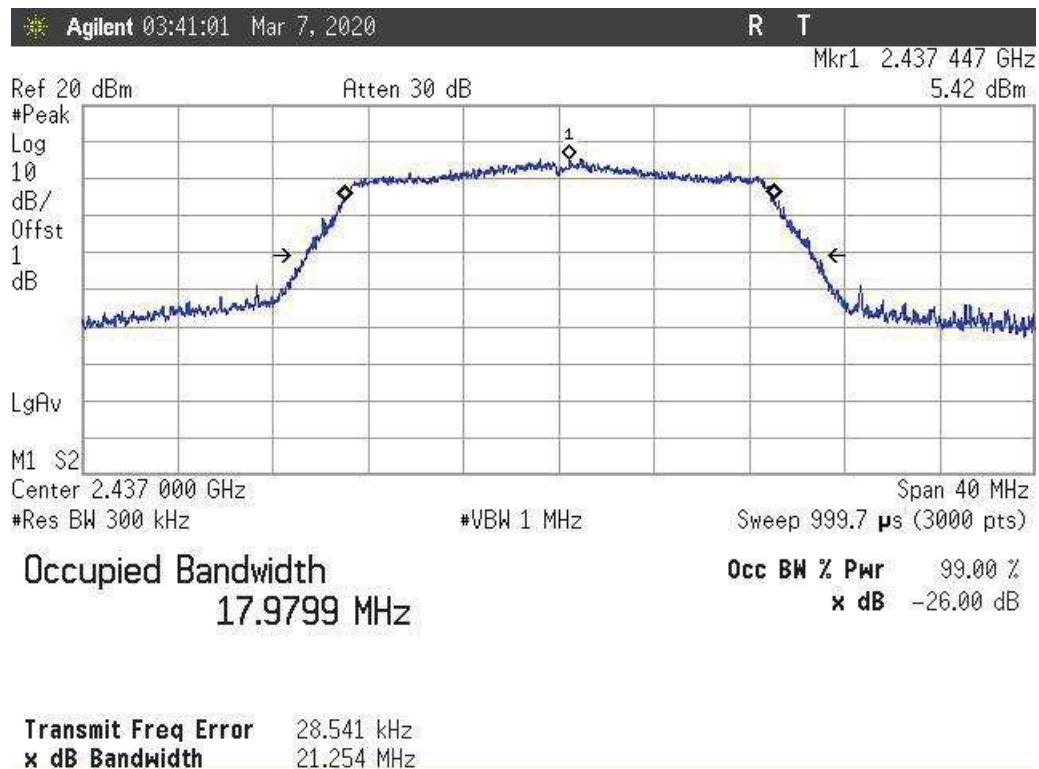


- **Mode 802.11 n20 – Occupied Bandwidth**

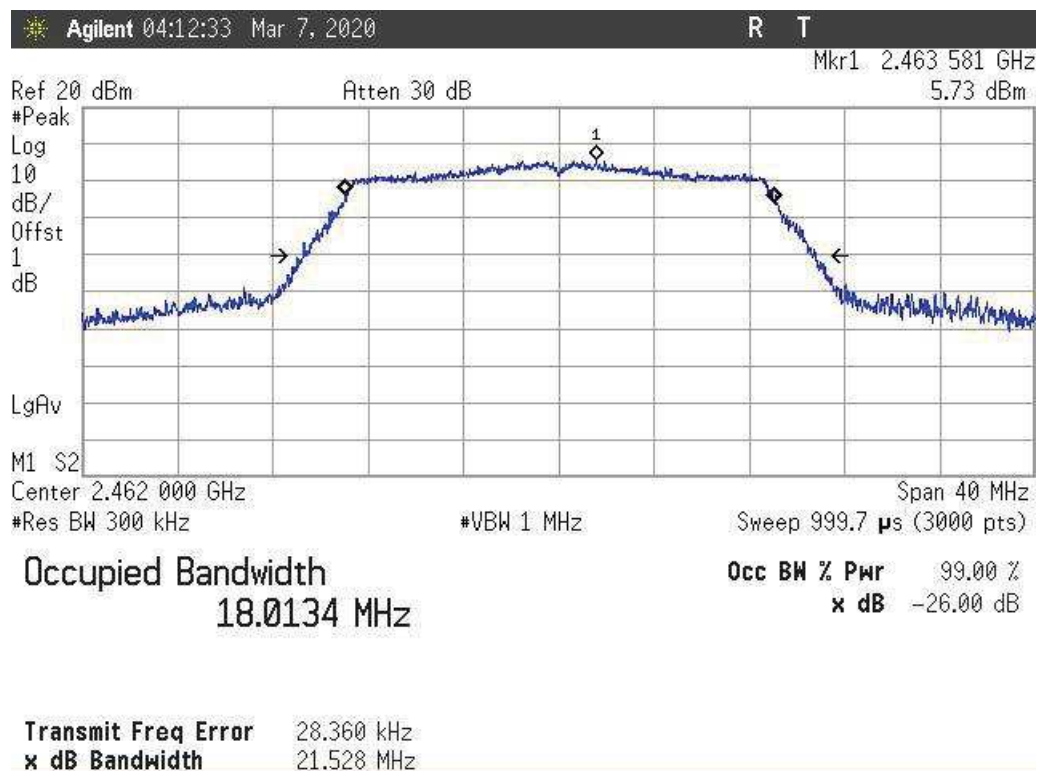
- Low Channel:



- Middle Channel:



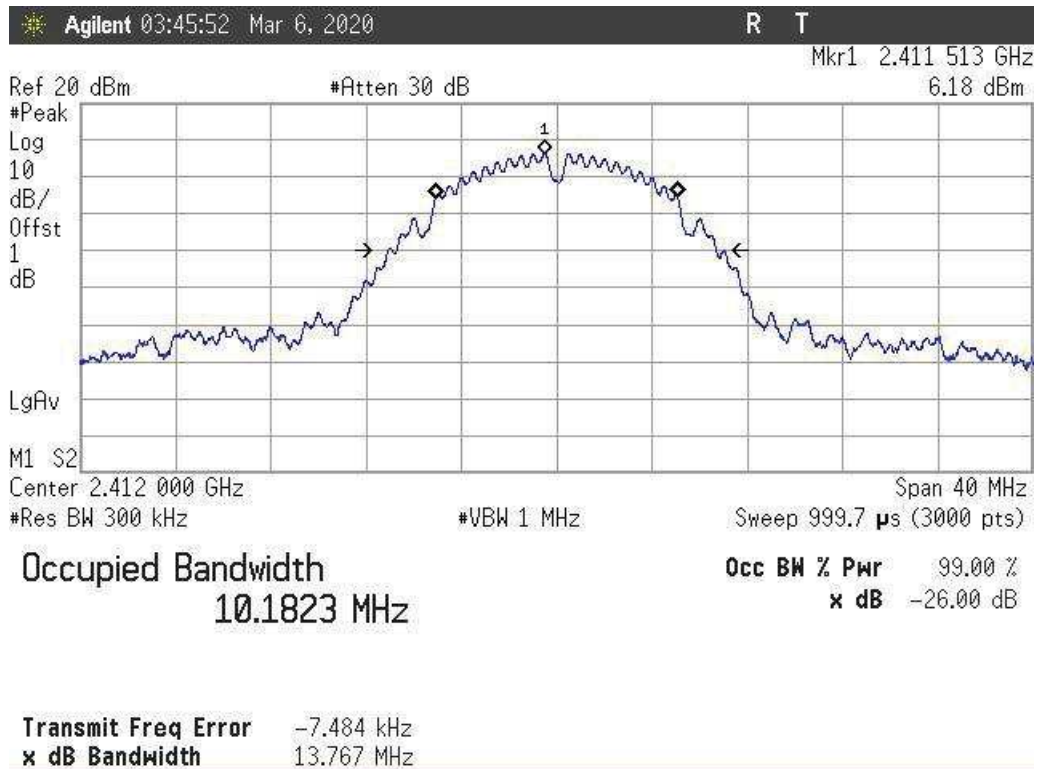
- High Channel:



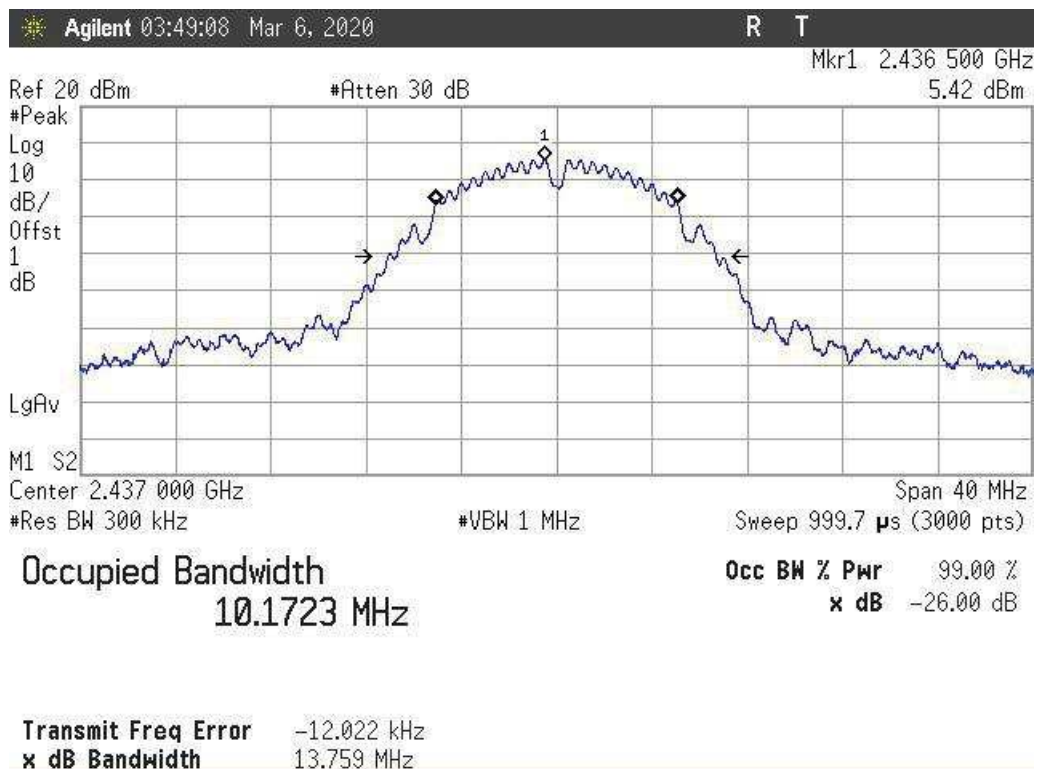
SISO CORE0_Port2 Antenna:

- **Mode 802.11 b – Occupied Bandwidth**

- Low Channel:



- Middle Channel:

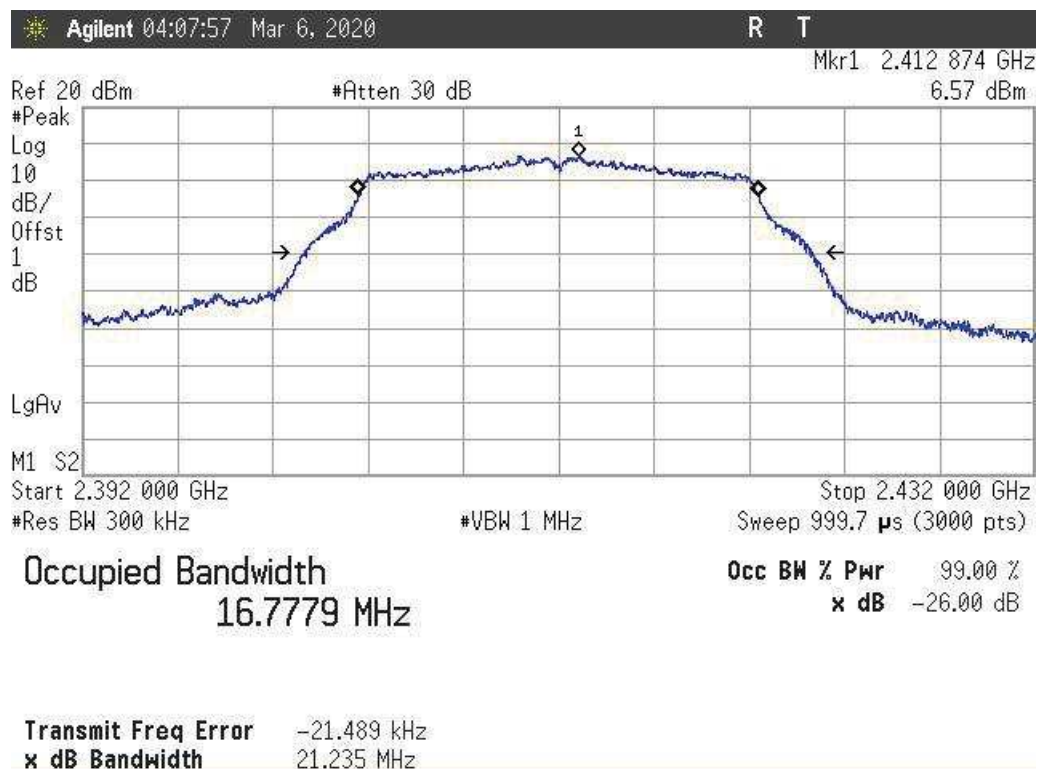


- High Channel:

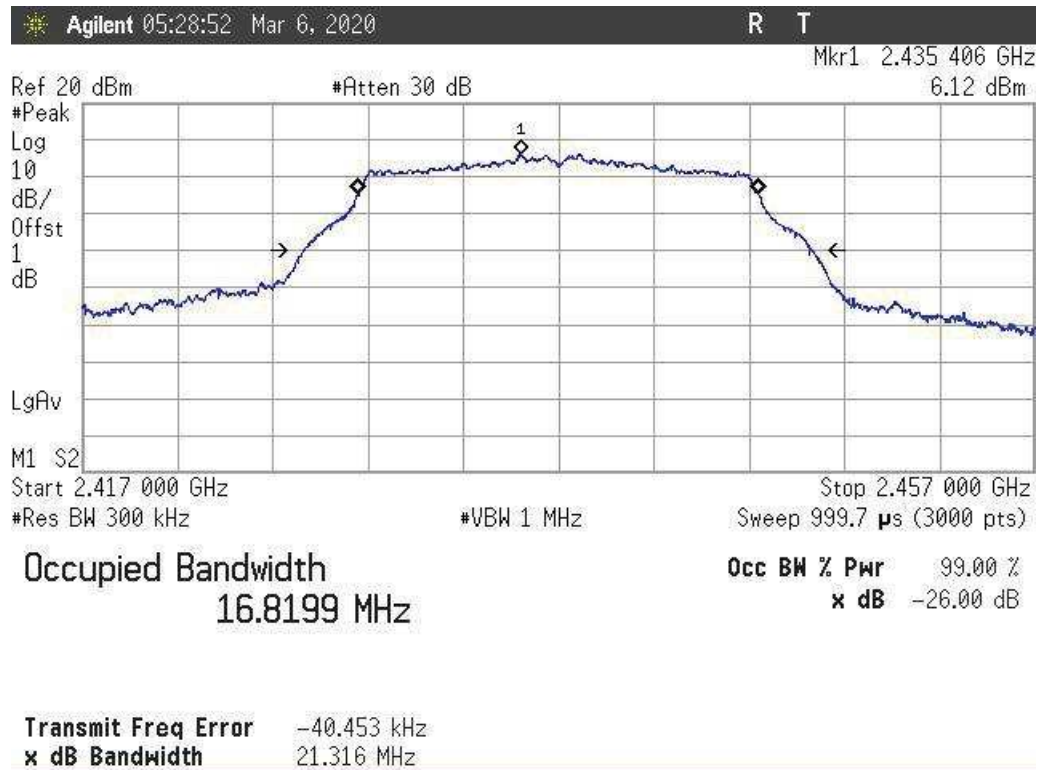


- Mode 802.11 g – Occupied Bandwidth

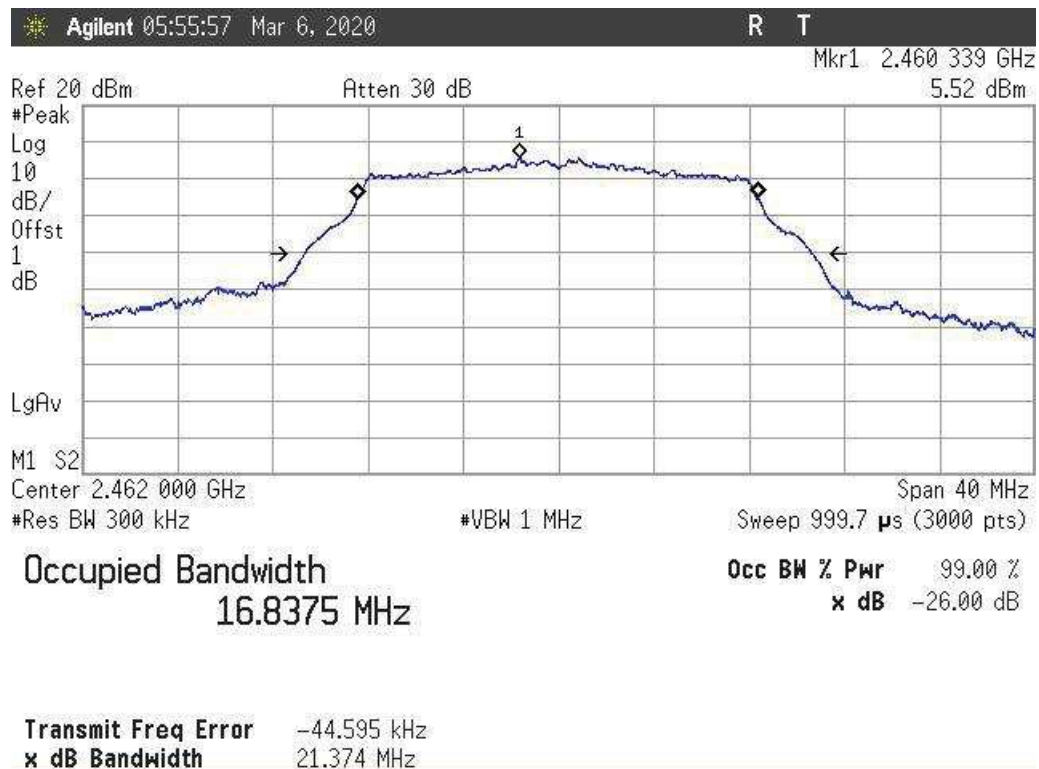
- Low Channel:



- Middle Channel:

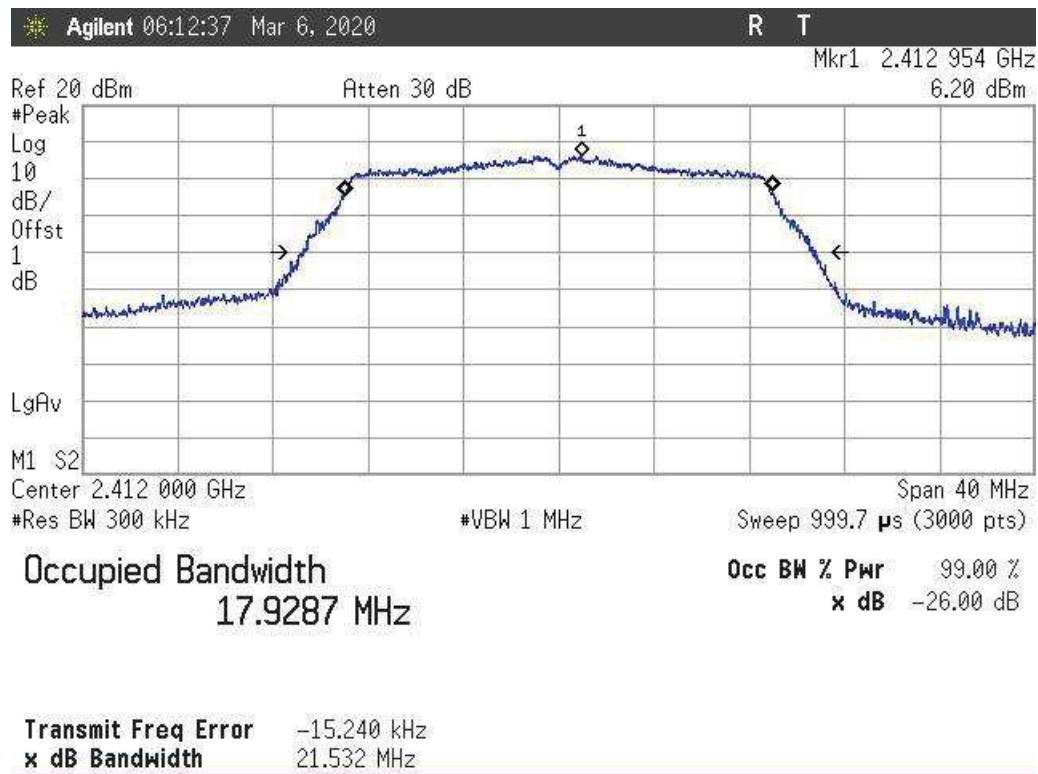


- High Channel:

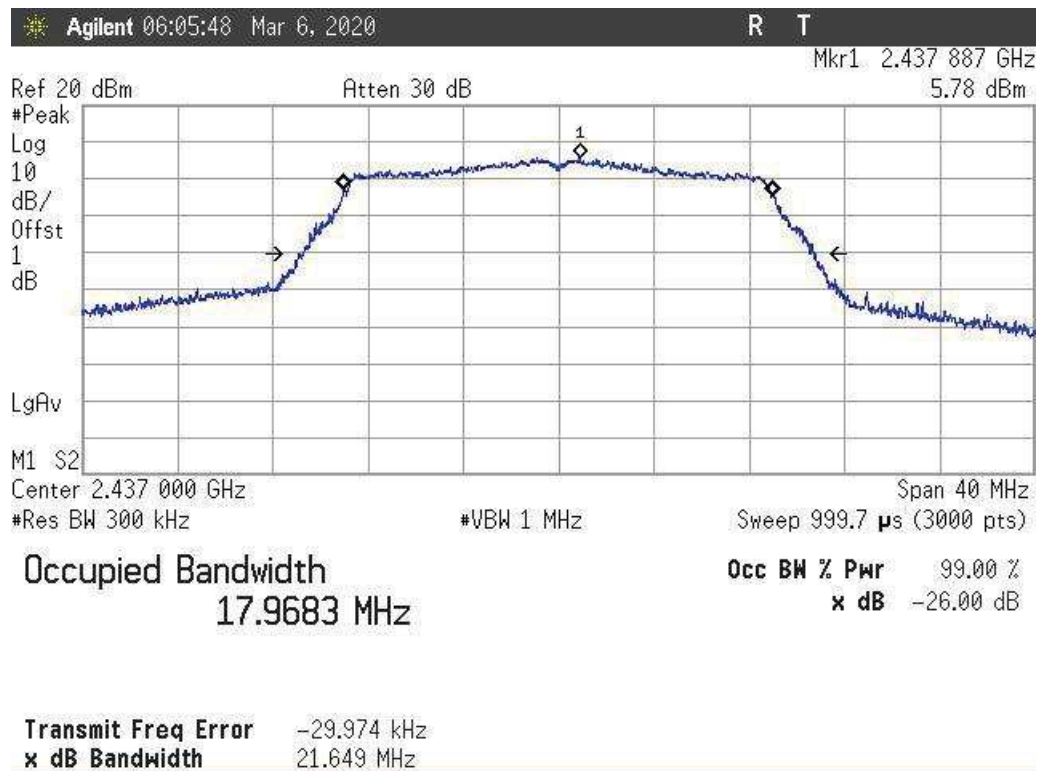


- **Mode 802.11 n20 – Occupied Bandwidth**

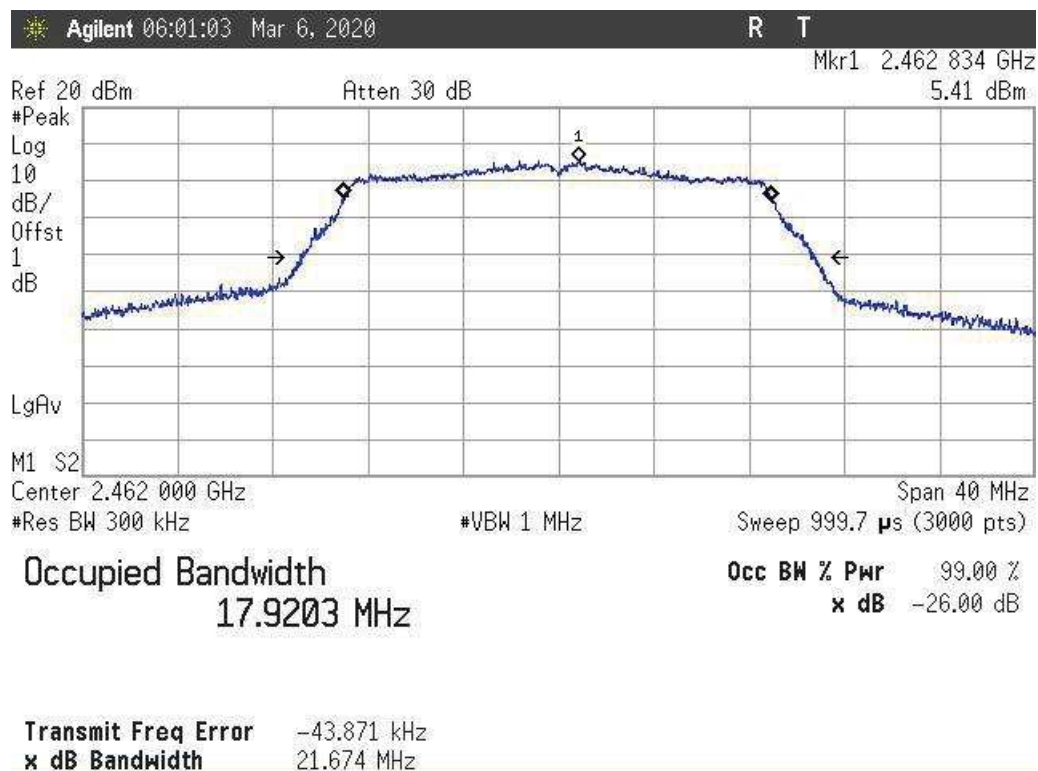
- Low Channel:



- Middle Channel:



- High Channel:

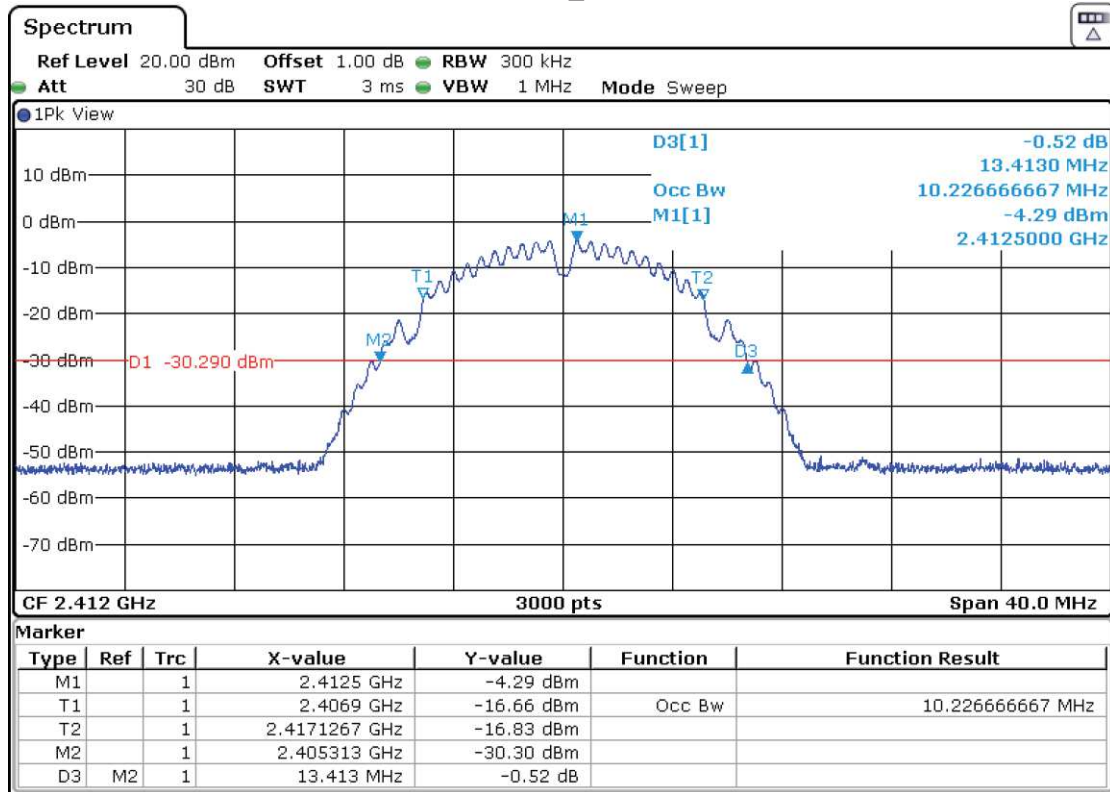


MIMO – CORE1_Port4 Antenna & CORE0_Port2 Antenna:

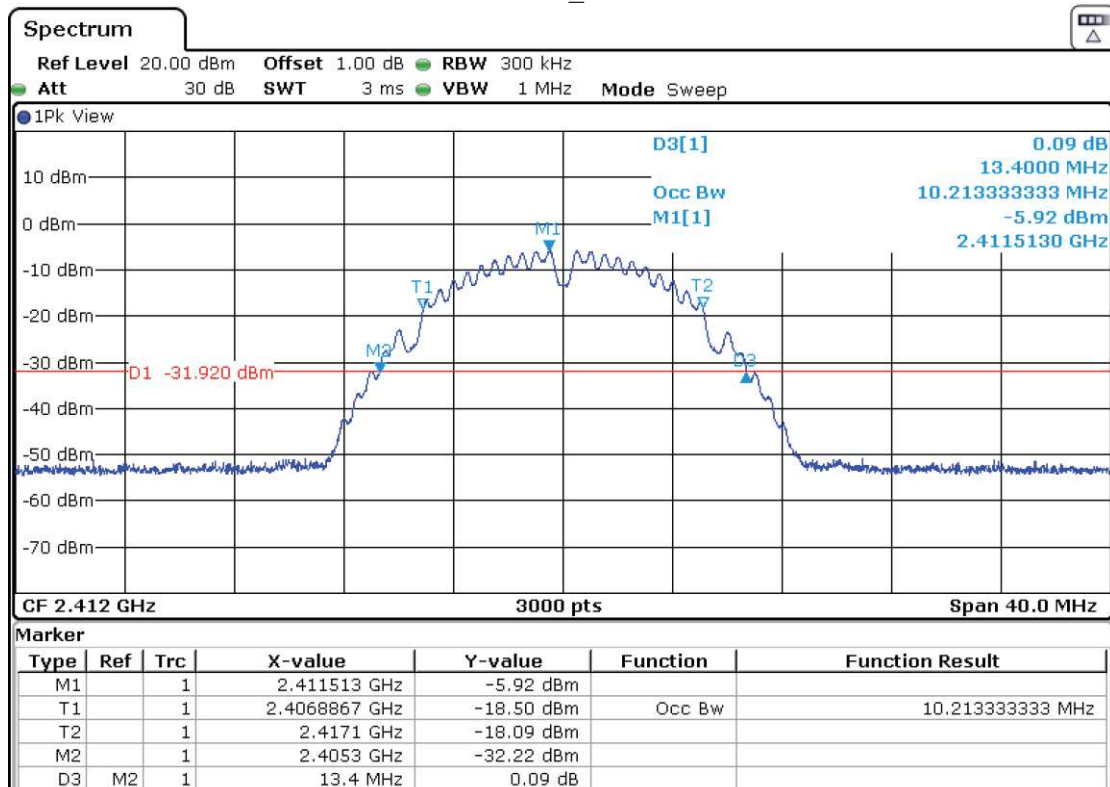
- Mode 802.11 b – Occupied Bandwidth

- Low Channel:

CORE1_Port4

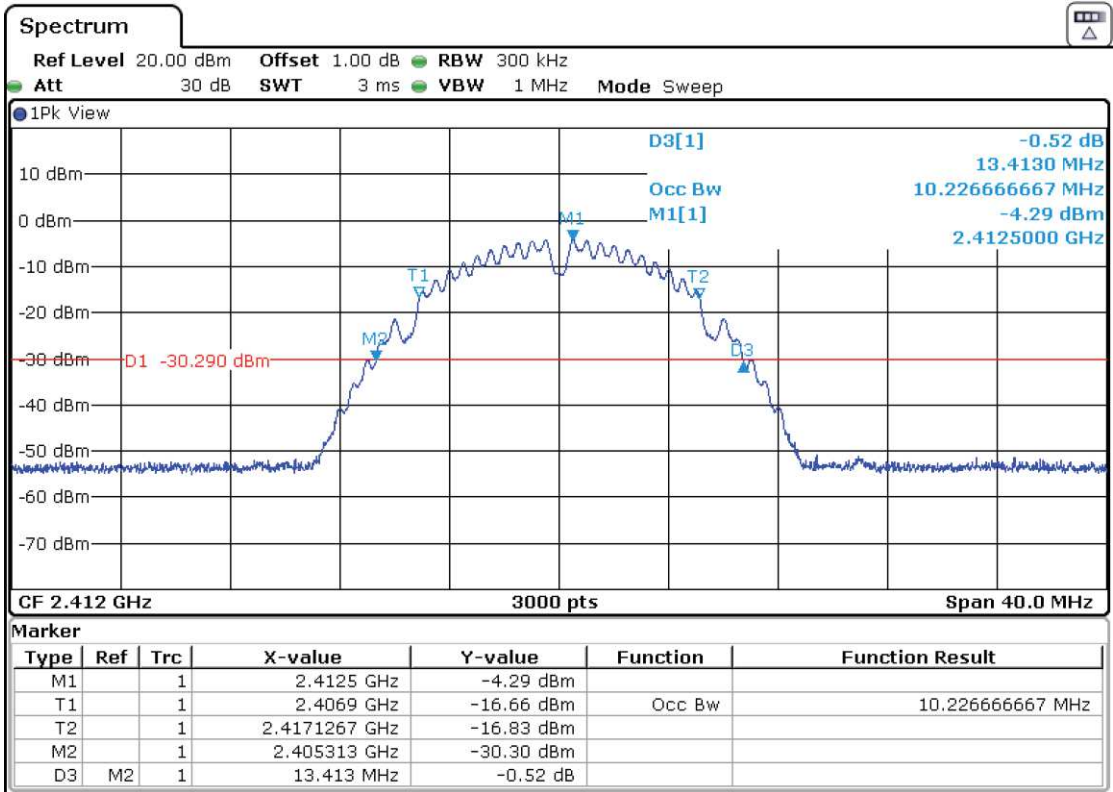


CORE0_Port2

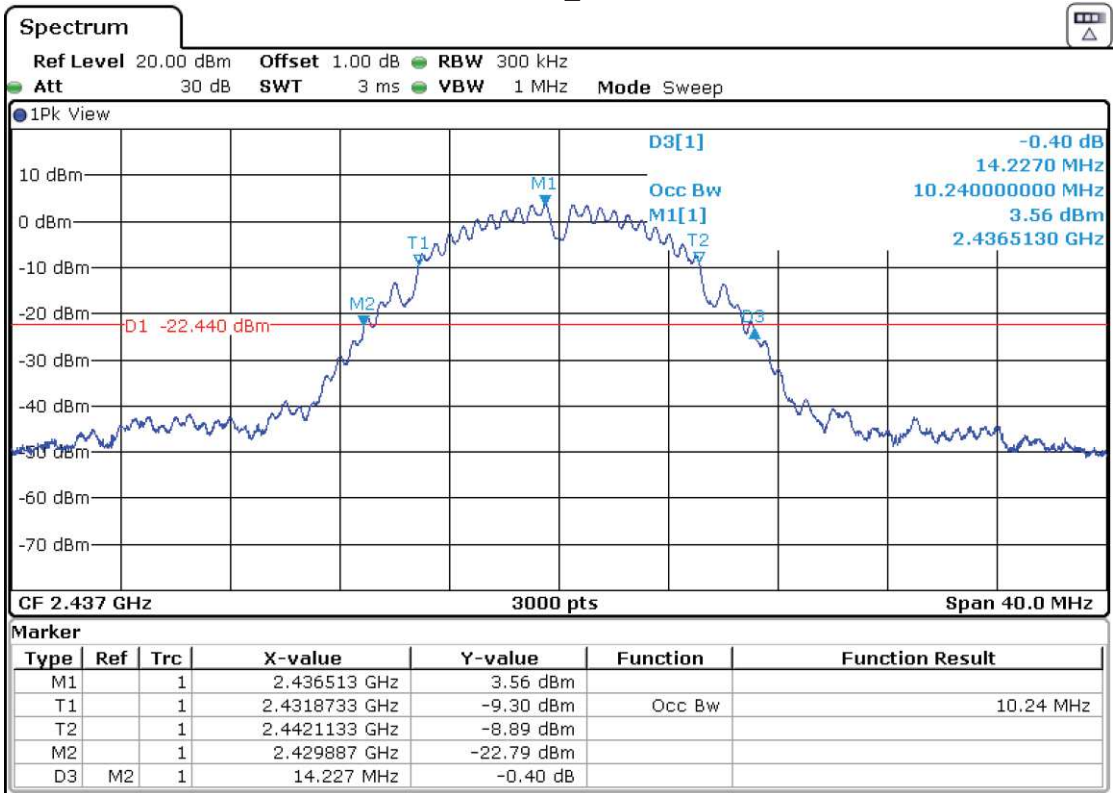


- Middle Channel:

CORE1_Port4

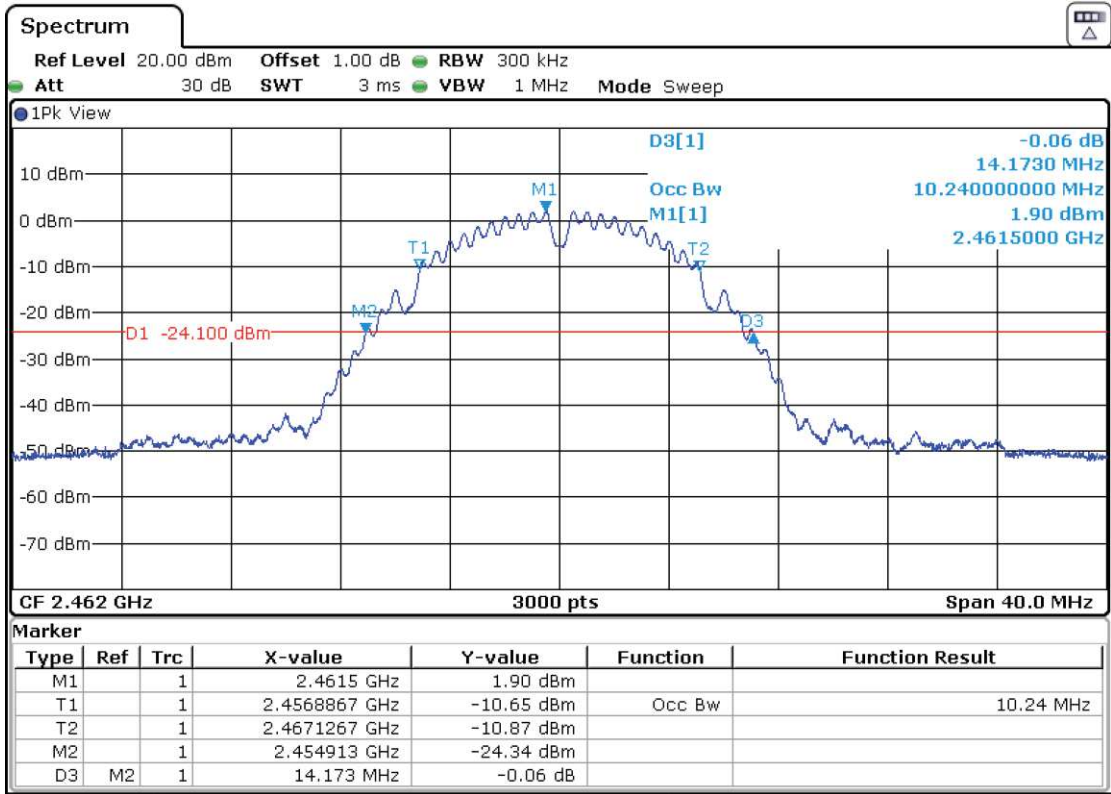


CORE0_Port2

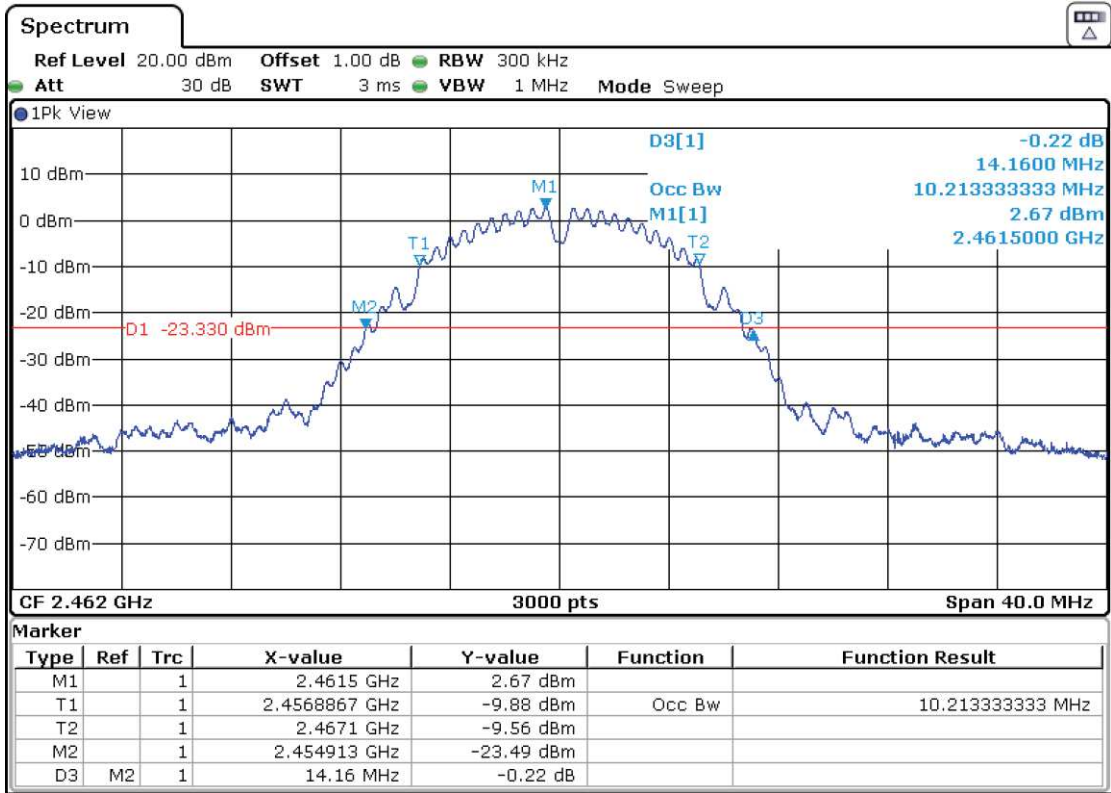


- High Channel:

CORE1_Port4



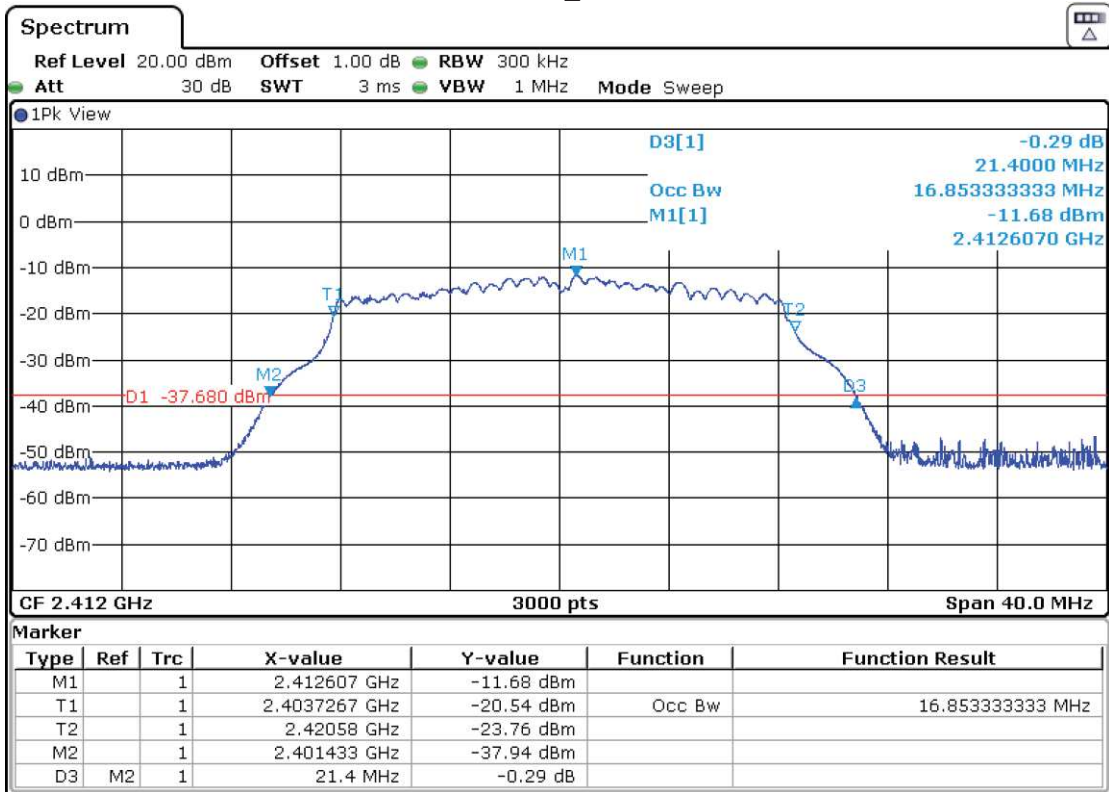
CORE0_Port2



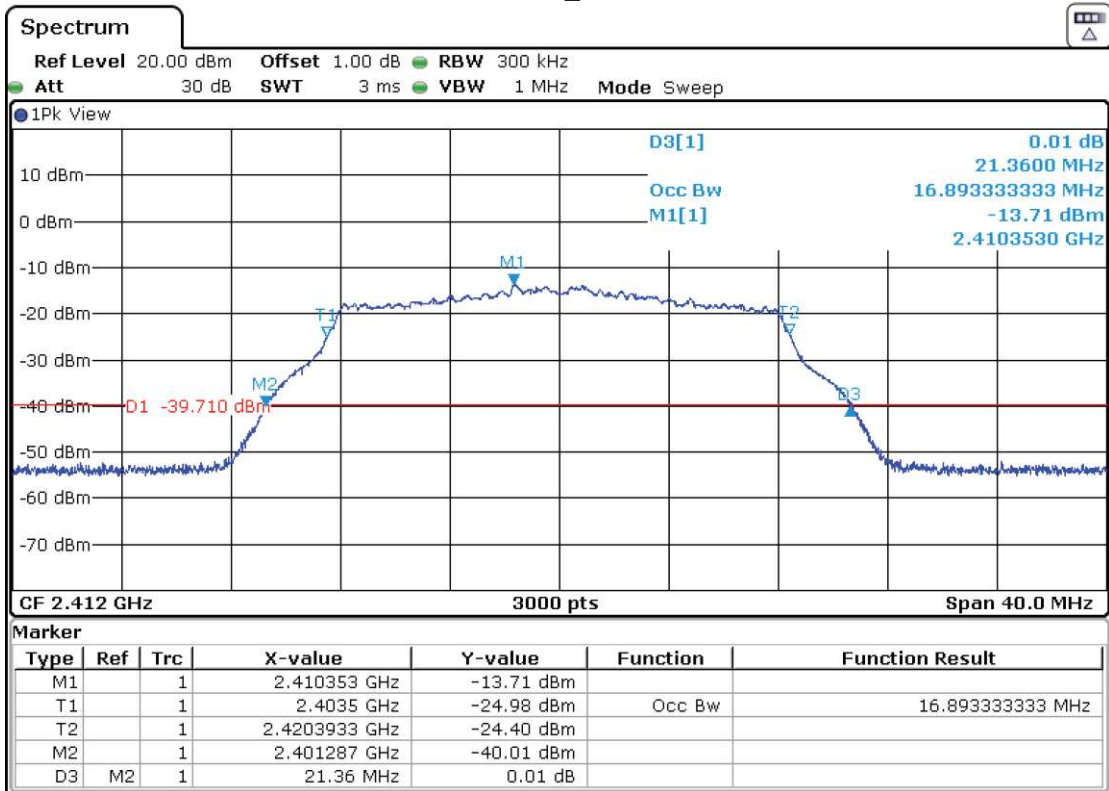
• Mode 802.11 g – Occupied Bandwidth

- Low Channel:

CORE1_Port4

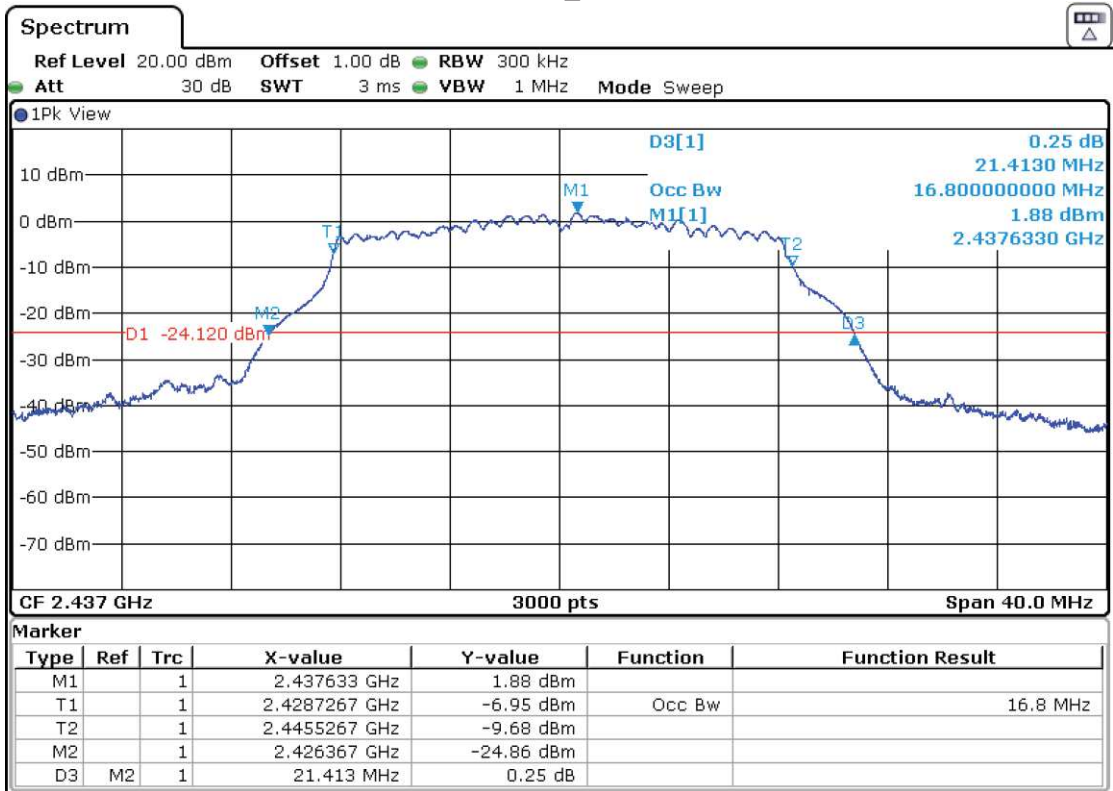


CORE0_Port2

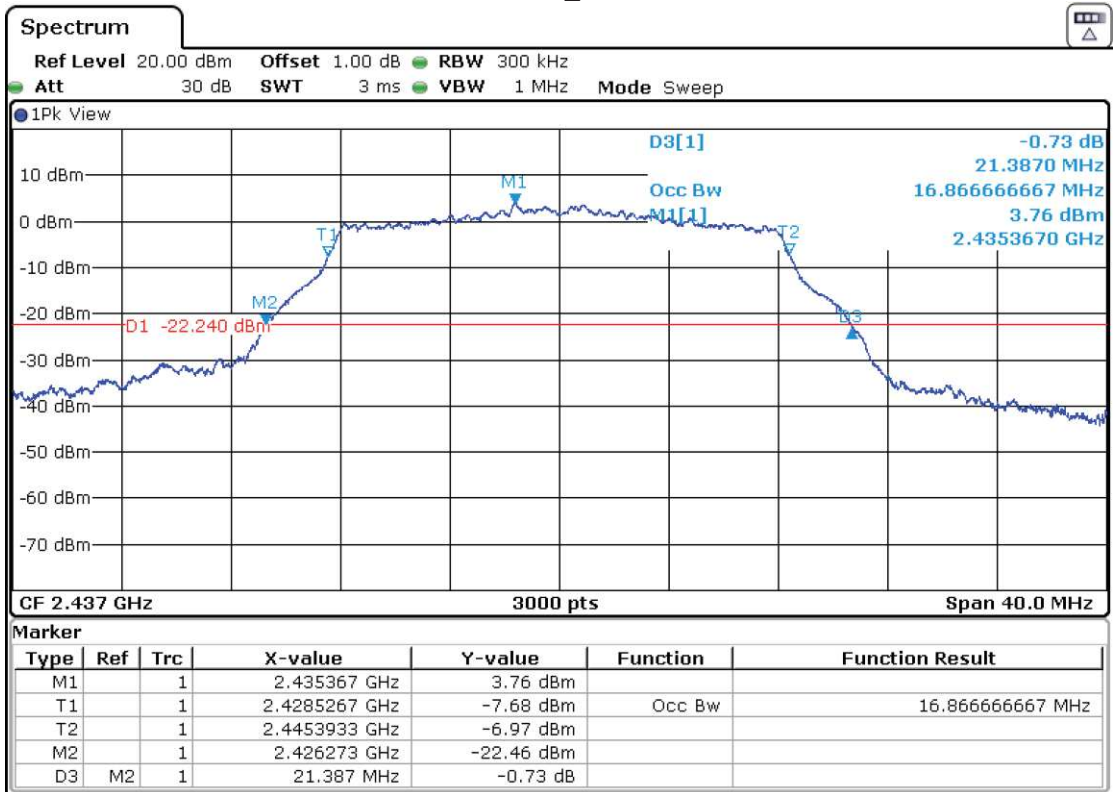


- Middle Channel:

CORE1_Port4

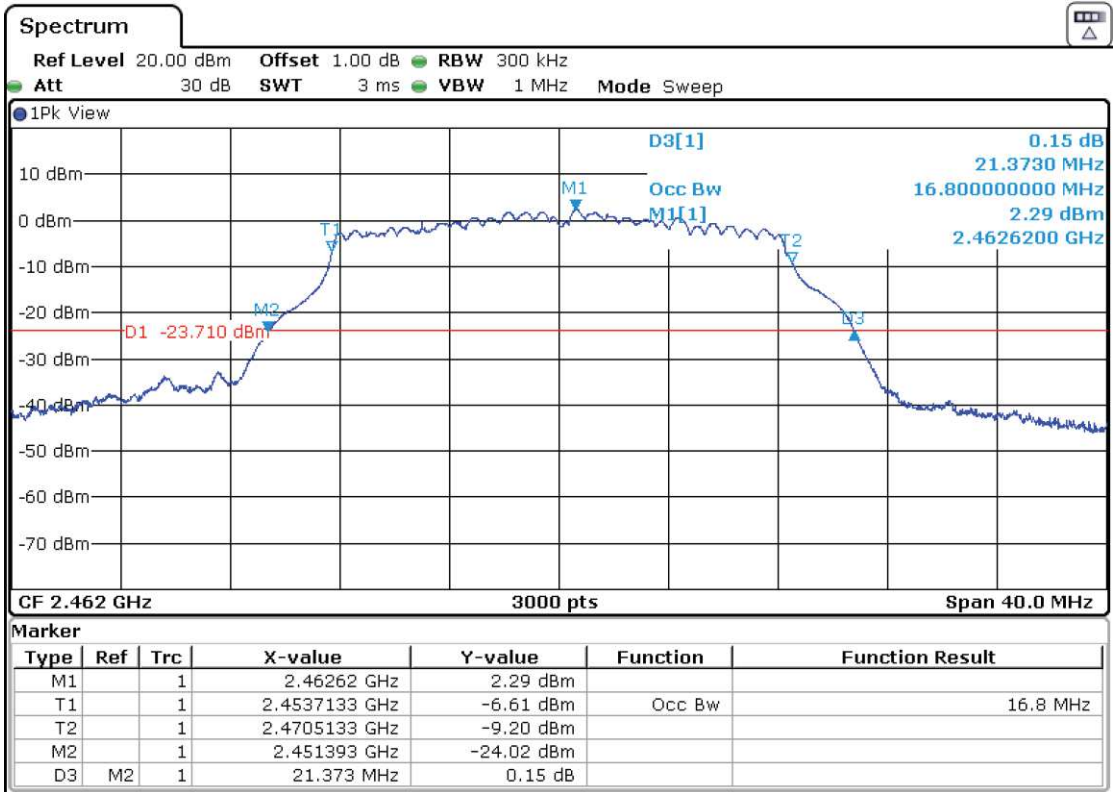


CORE0_Port2

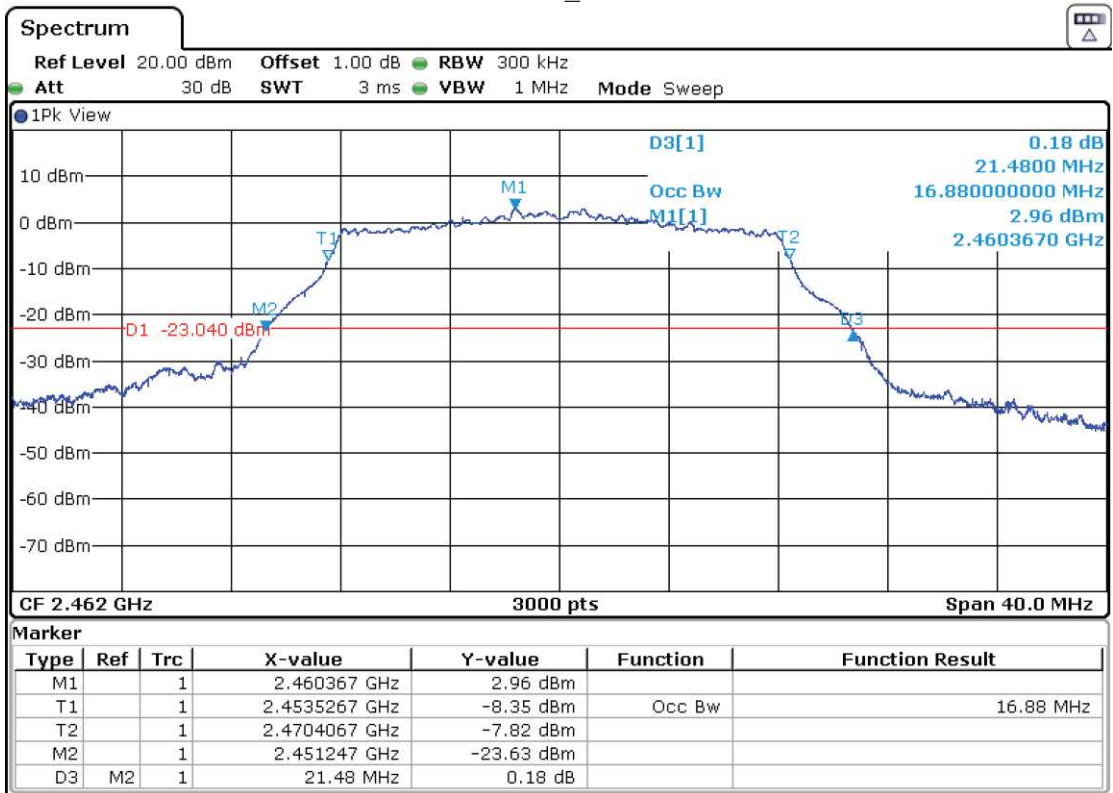


- High Channel:

CORE1_Port4

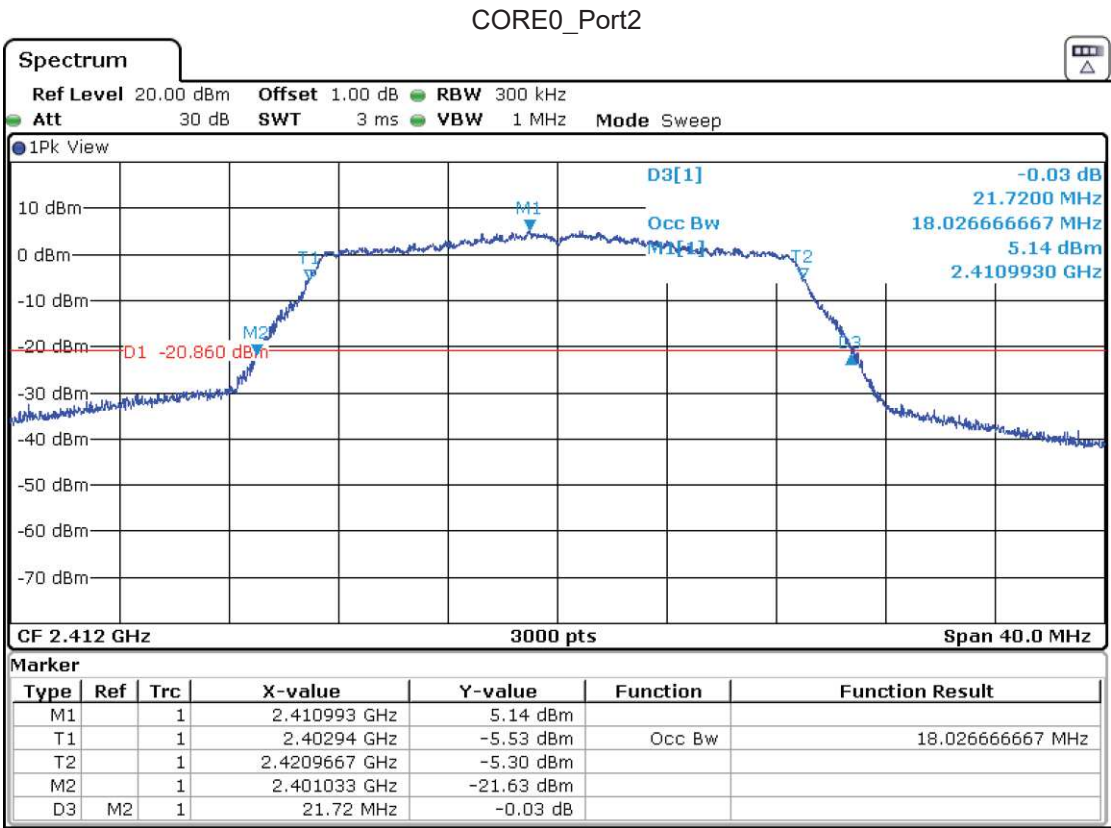
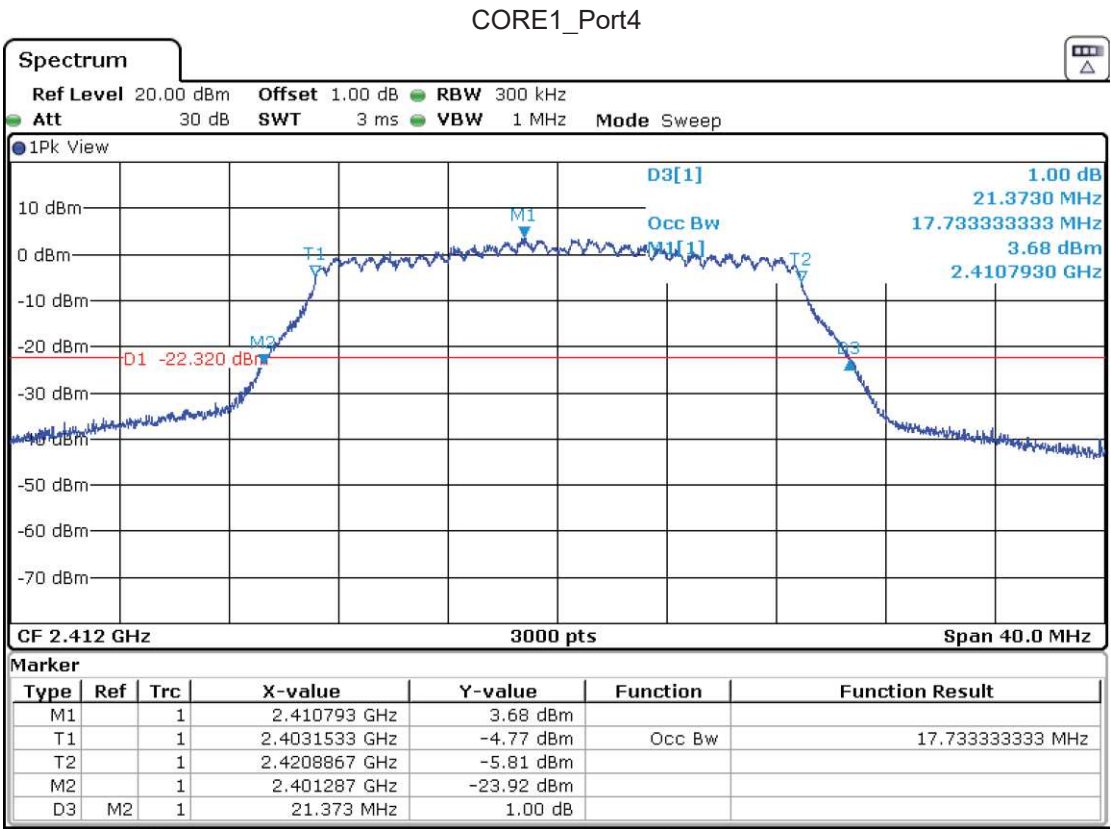


CORE0_Port2



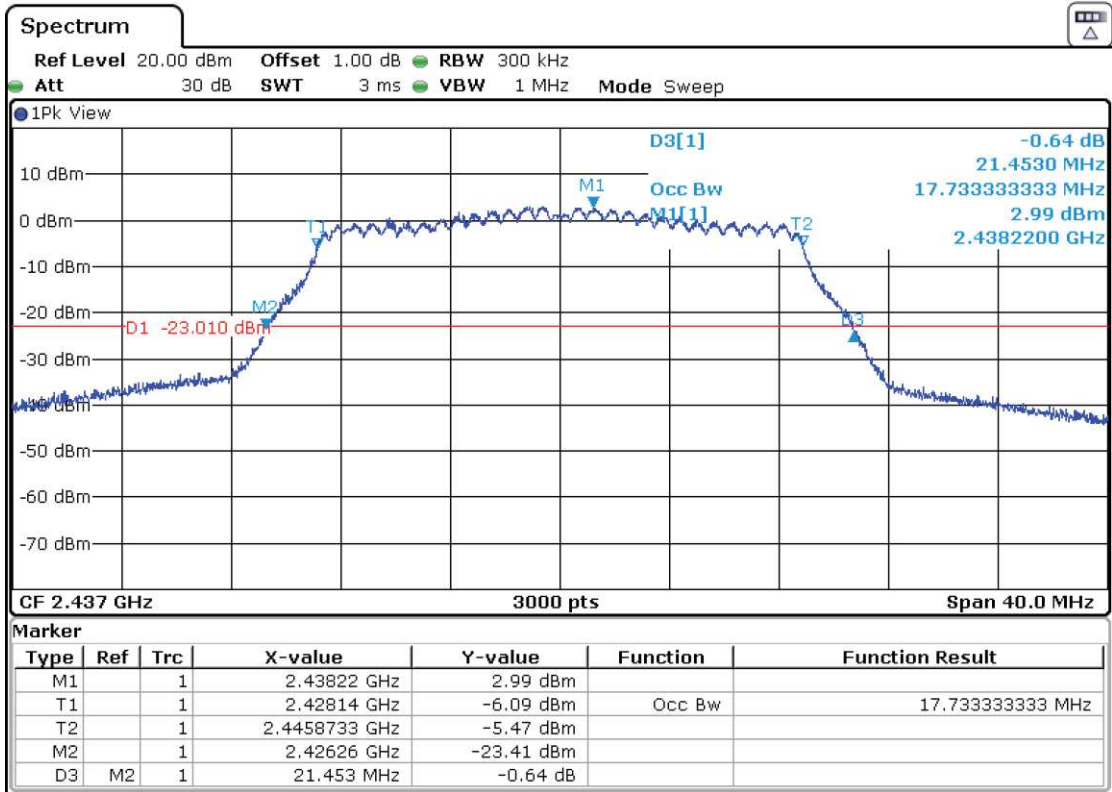
• Mode 802.11 n20 – Occupied Bandwidth

- Low Channel:

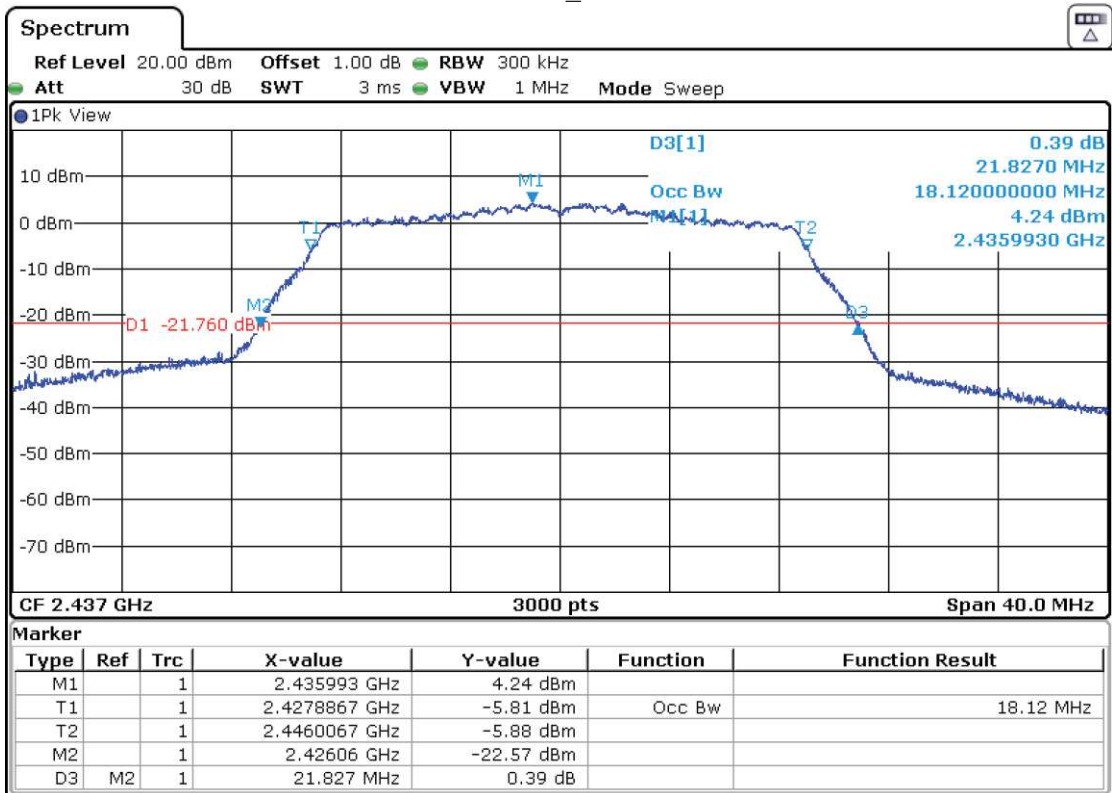


- Middle Channel:

CORE1_Port4

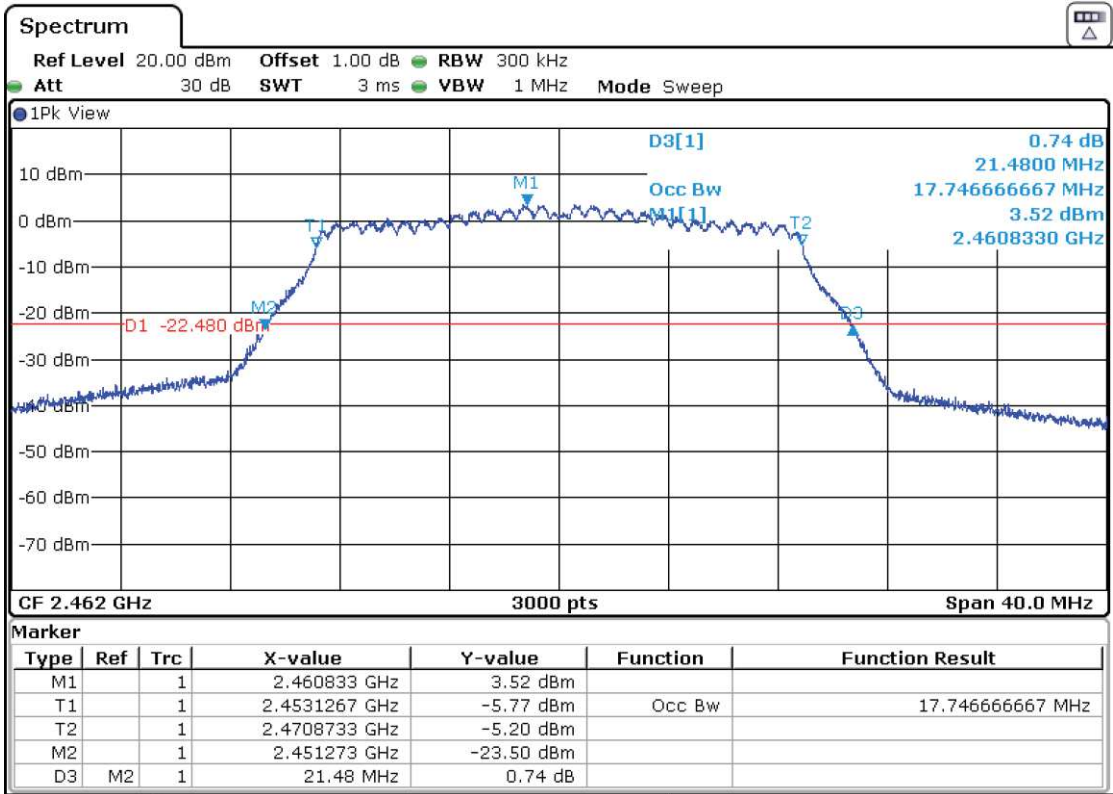


CORE0_Port2

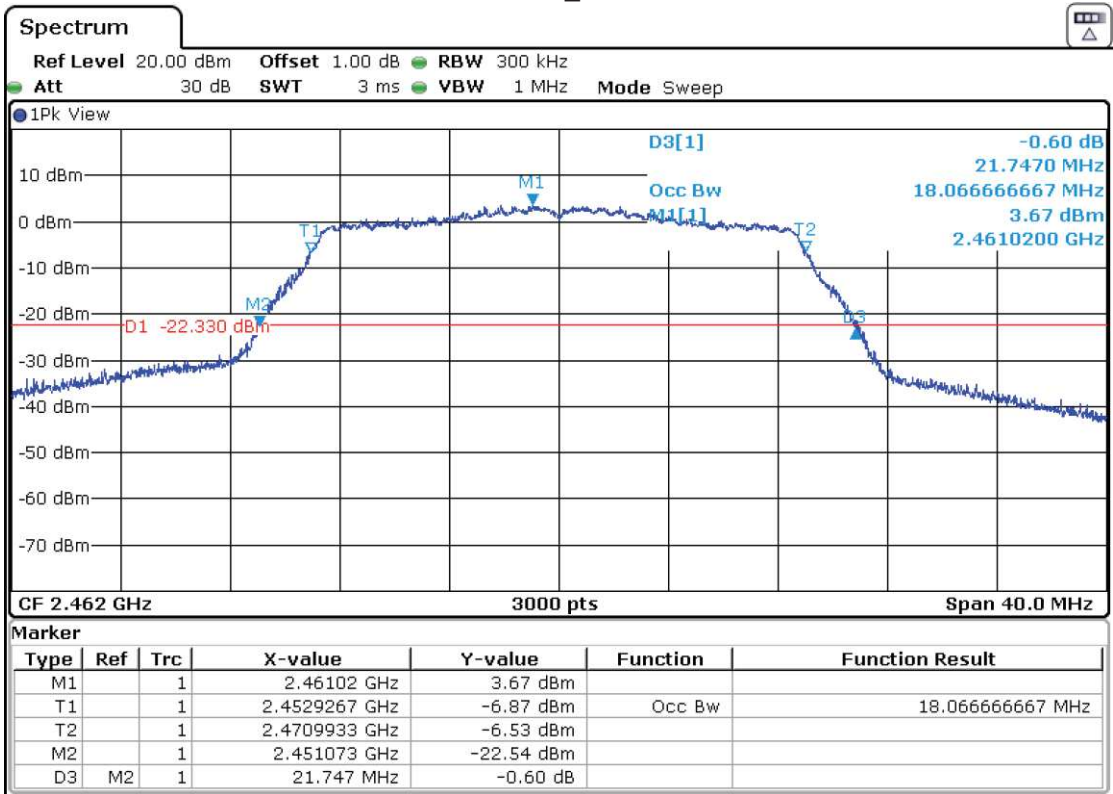


- High Channel:

CORE1_Port4



CORE0_Port2



FCC 15.247 (a) (2) / RSS-247 5.2 (a) 6 dB Bandwidth

SPECIFICATION:

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS:

SISO CORE1_Port4 Antenna:

- **Mode 802.11 b**

	Low Channel	Middle Channel	High Channel
6 dB Spectrum Bandwidth (kHz)	7589	7589	7096
Measurement uncertainty (kHz)	<±128.95		

- **Mode 802.11 g**

	Low Channel	Middle Channel	High Channel
6 dB Spectrum Bandwidth (kHz)	16365	16365	16365
Measurement uncertainty (kHz)	<±128.95		

- **Mode 802.11 n20**

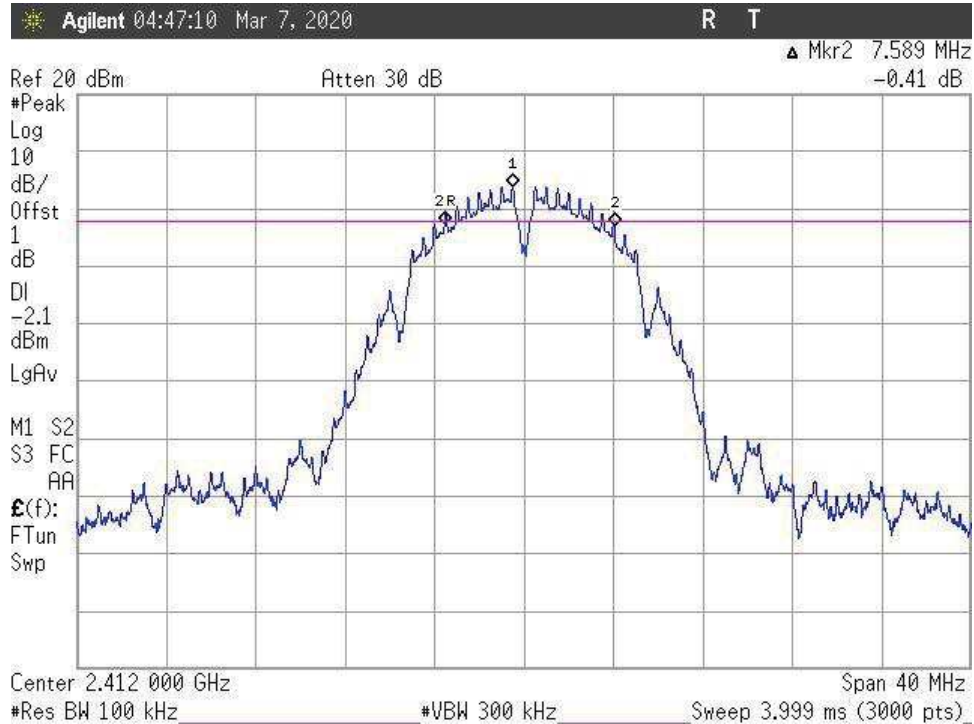
	Low Channel	Middle Channel	High Channel
6 dB Spectrum Bandwidth (kHz)	17326	17339	17339
Measurement uncertainty (kHz)	<±128.95		

Verdict: PASS

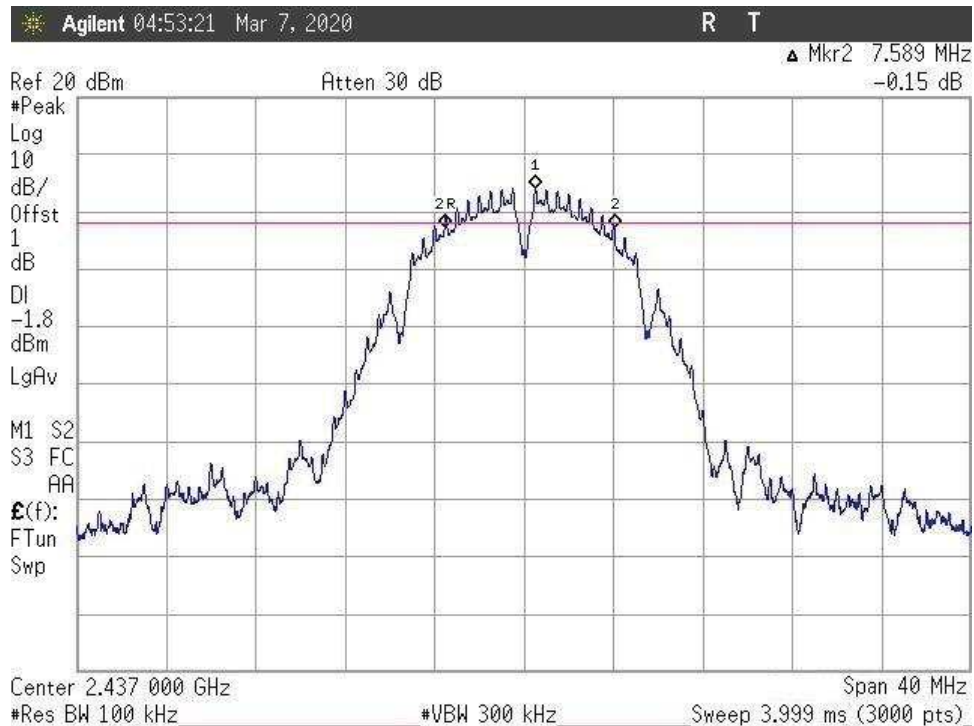
SISO CORE1_Port4 Antenna:

- **Mode 802.11 b – 6 dB Bandwidth**

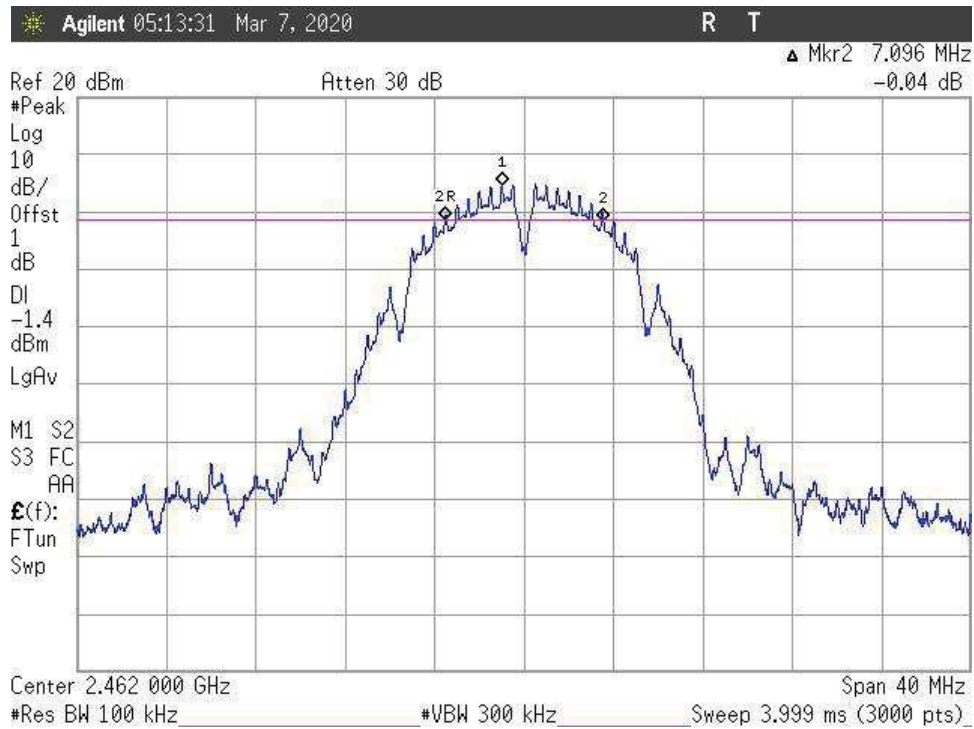
- Low Channel:



- Middle Channel:

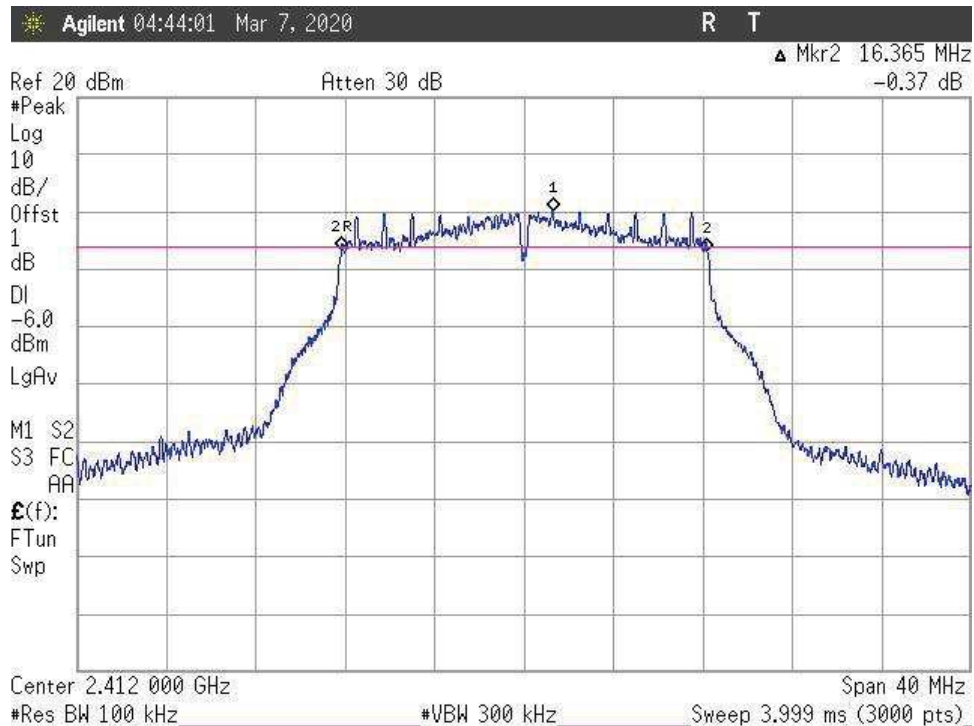


- High Channel:

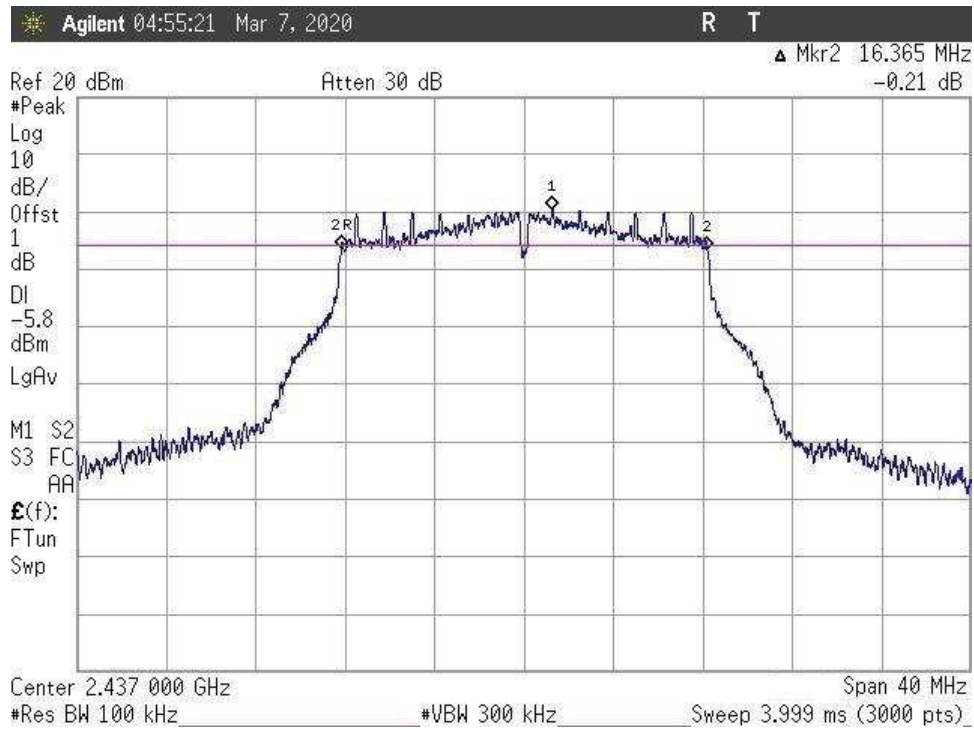


• Mode 802.11 g – 6 dB Bandwidth

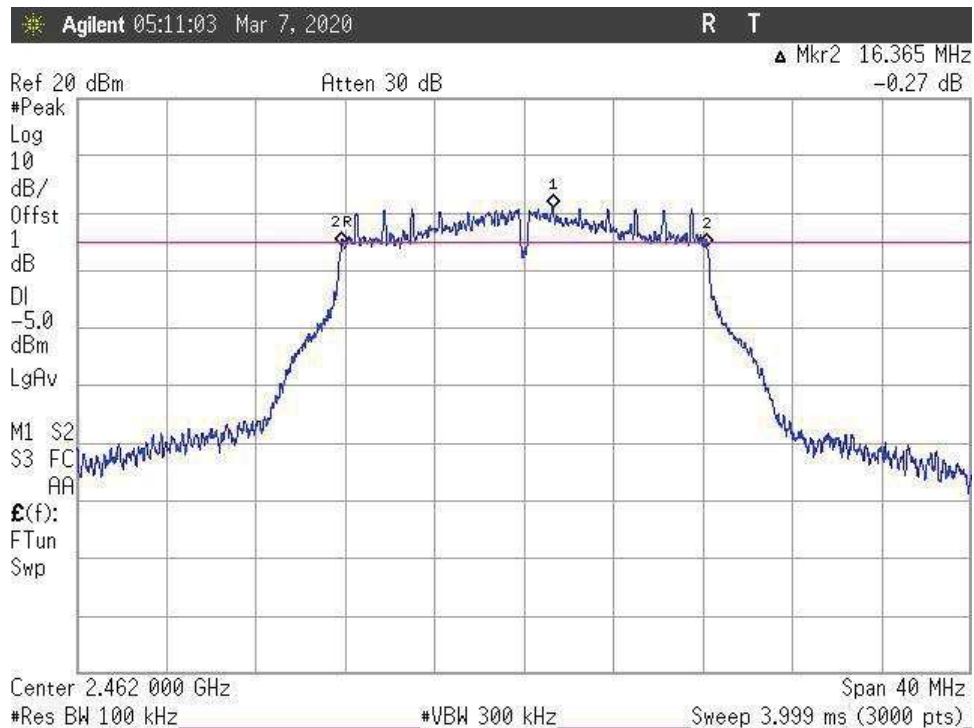
- Low Channel:



- Middle Channel:

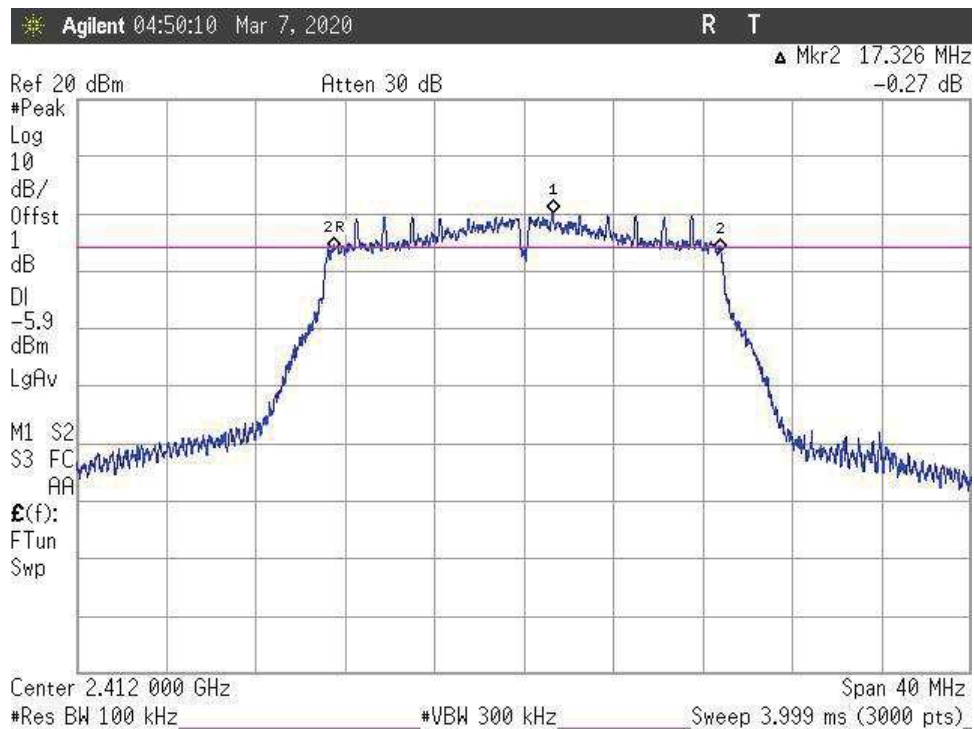


- High Channel:

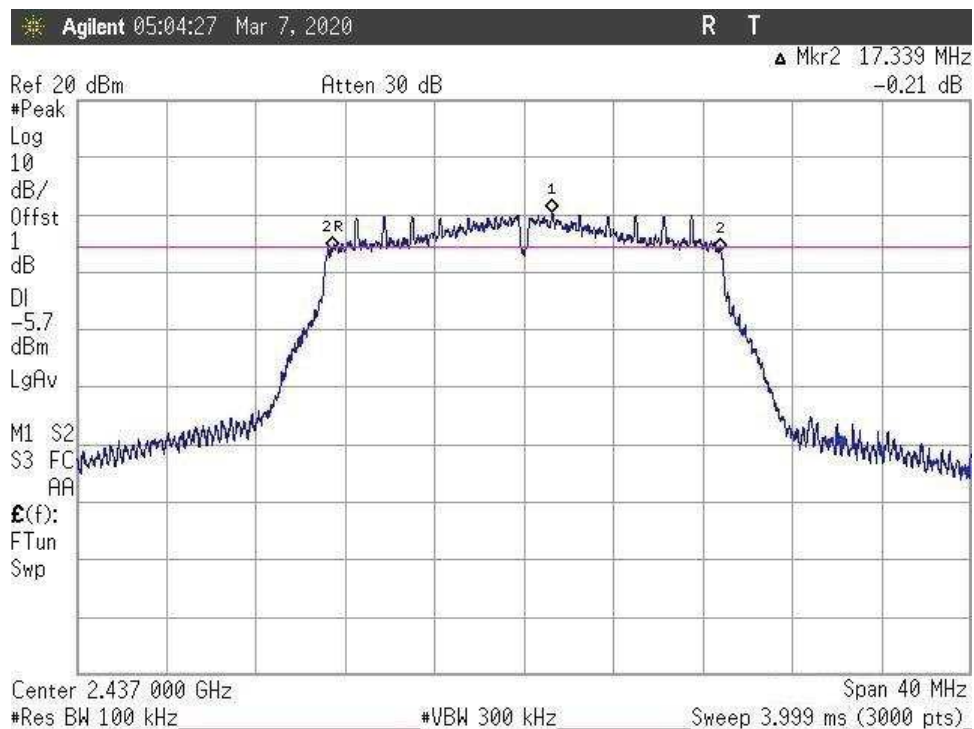


- **Mode 802.11 n20 – 6 dB Bandwidth**

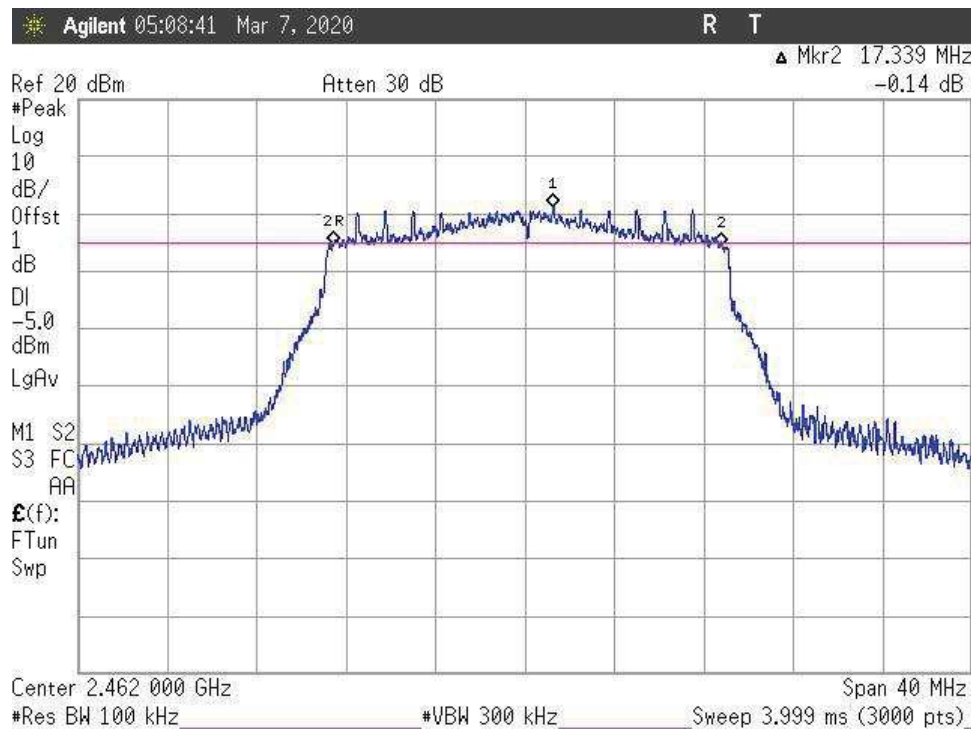
- Low Channel:



- Middle Channel:



- High Channel:



SISO CORE0_Port2 Antenna:

- **Mode 802.11 b**

	Low Channel	Middle Channel	High Channel
6 dB Spectrum Bandwidth (kHz)	7082	7122	7136
Measurement uncertainty (kHz)	<±128.95		

- **Mode 802.11 g**

	Low Channel	Middle Channel	High Channel
6 dB Spectrum Bandwidth (kHz)	15872	16072	17166
Measurement uncertainty (kHz)	<±128.95		

- **Mode 802.11 n20**

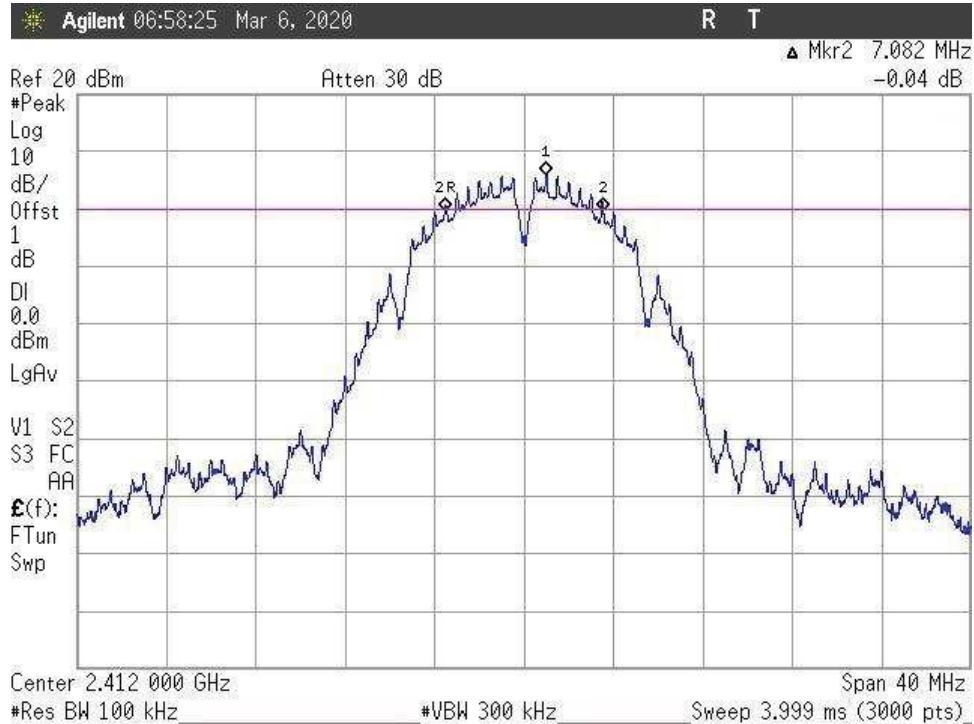
	Low Channel	Middle Channel	High Channel
6 dB Spectrum Bandwidth (kHz)	17379	16752	17152
Measurement uncertainty (kHz)	<±128.95		

Verdict: PASS

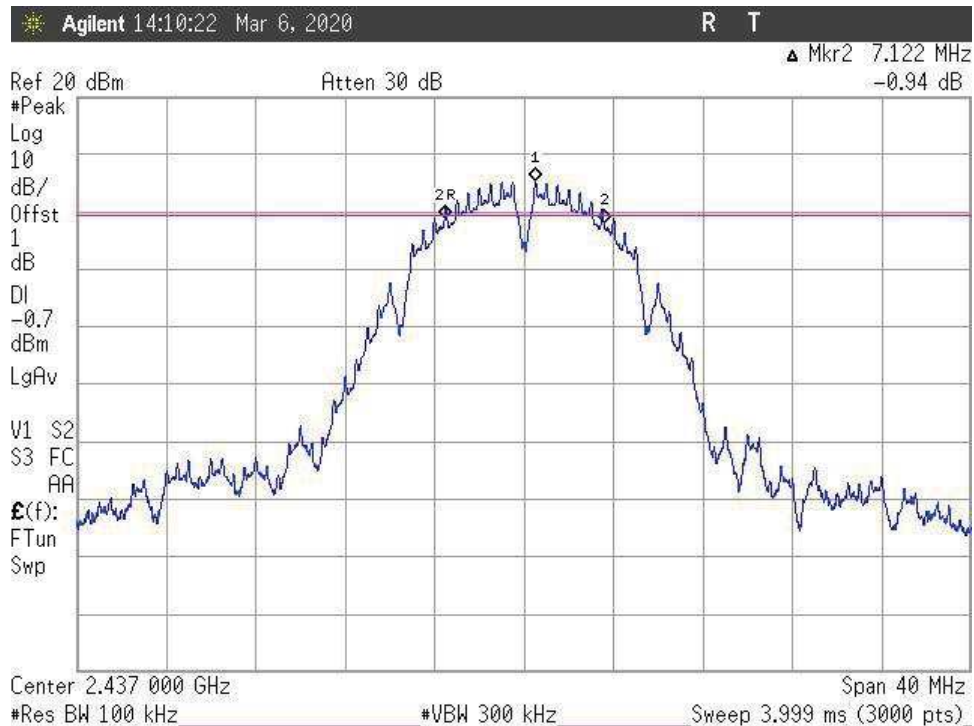
SISO CORE0_Port2 Antenna:

- **Mode 802.11 b – 6 dB Bandwidth**

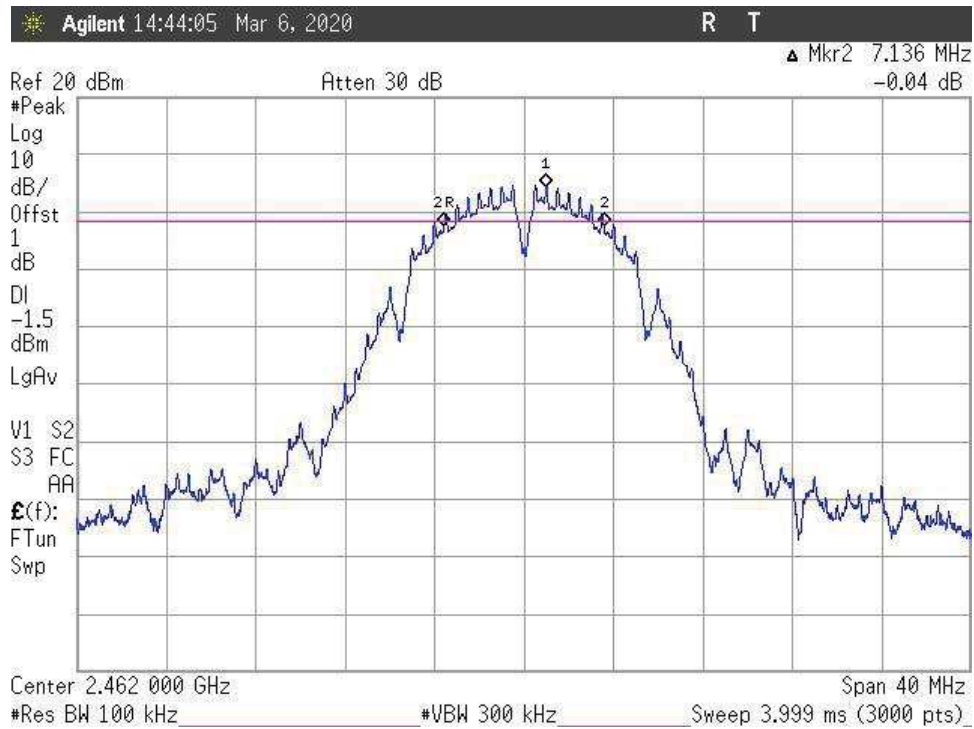
- Low Channel:



- Middle Channel:

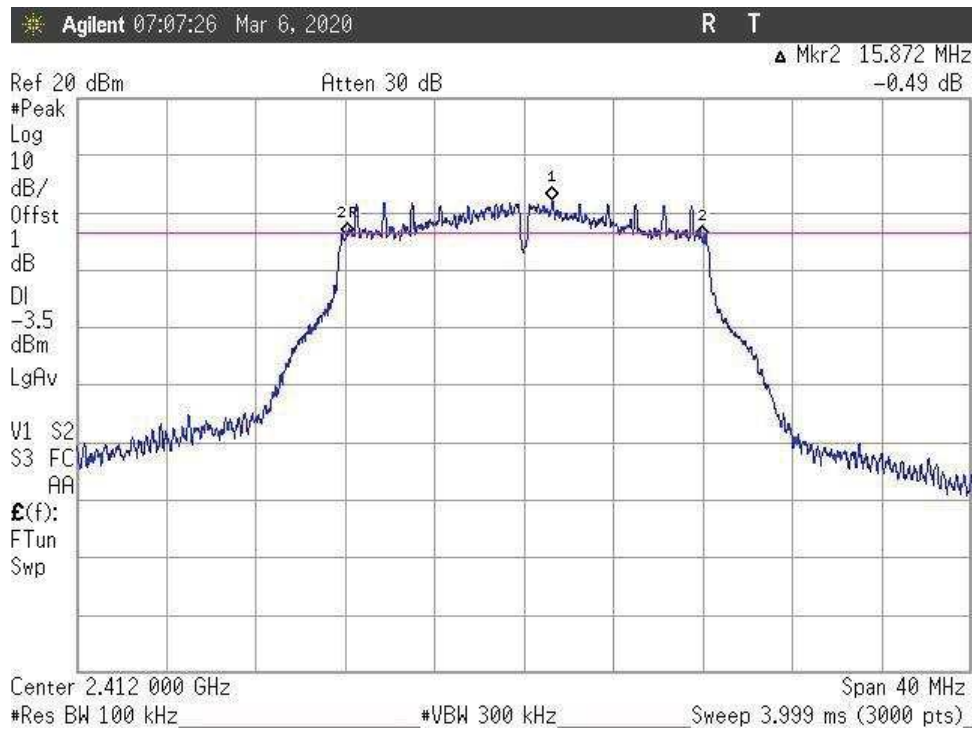


- High Channel:

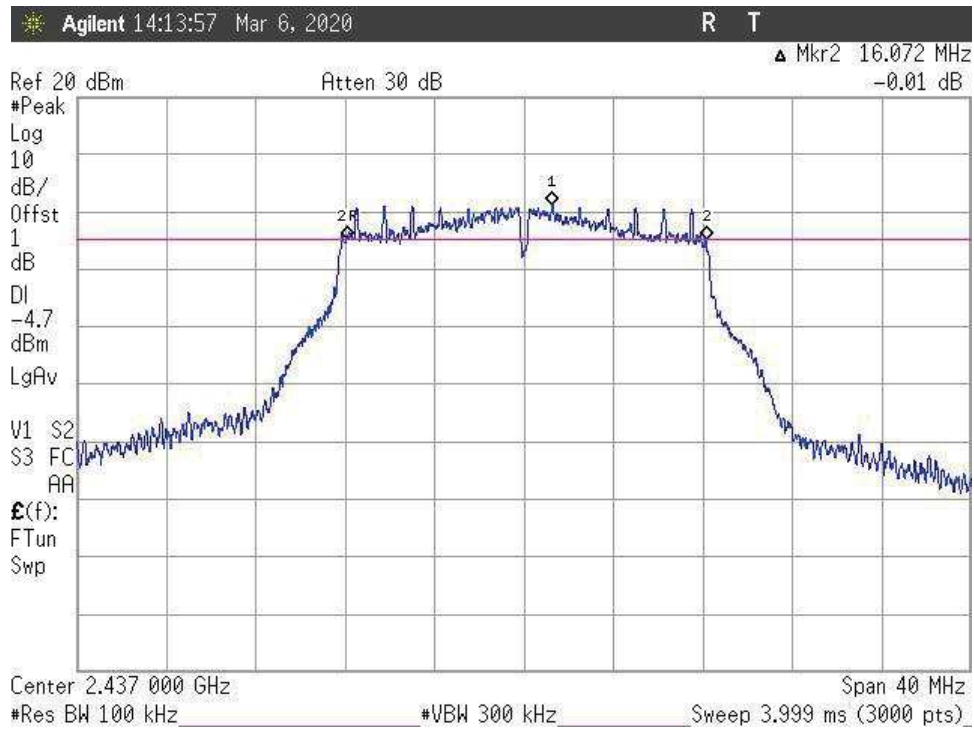


- Mode 802.11 g – 6 dB Bandwidth

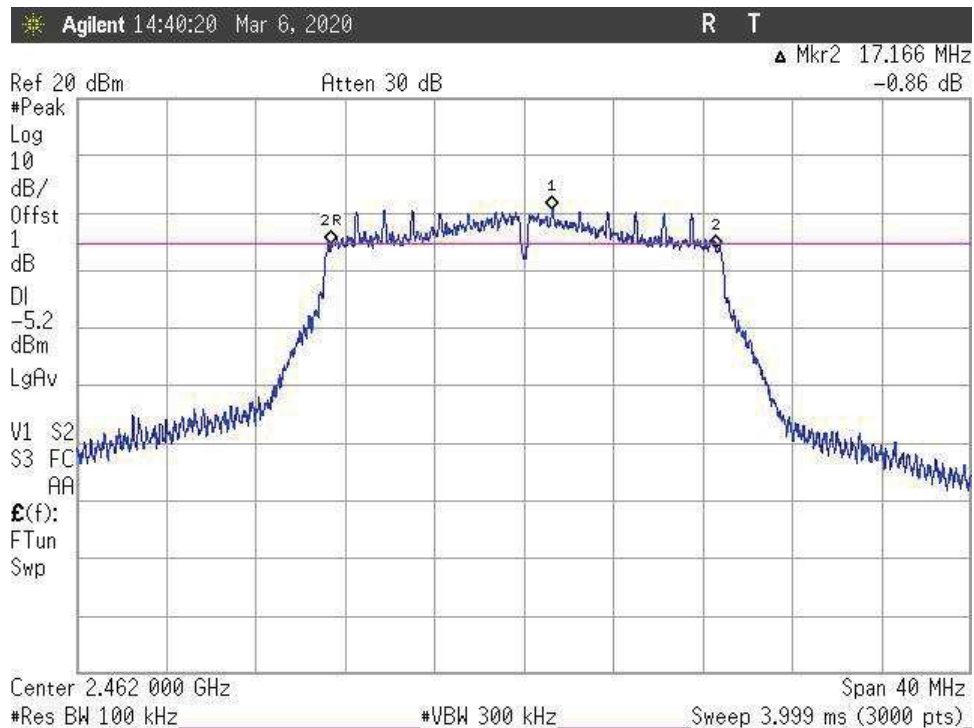
- Low Channel:



- Middle Channel:

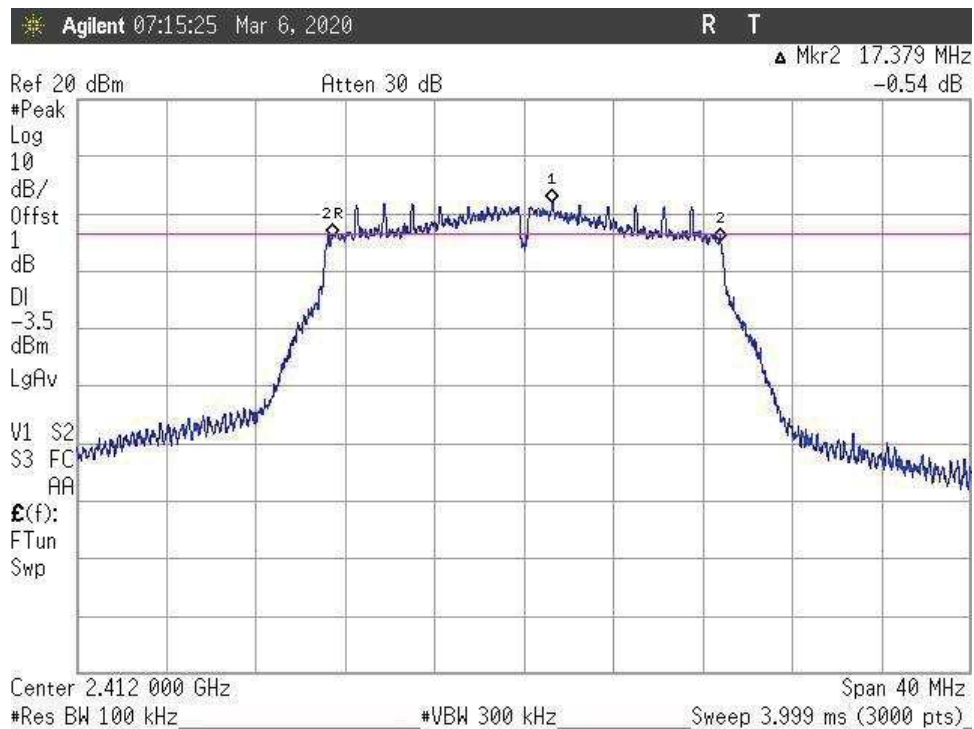


- High Channel:

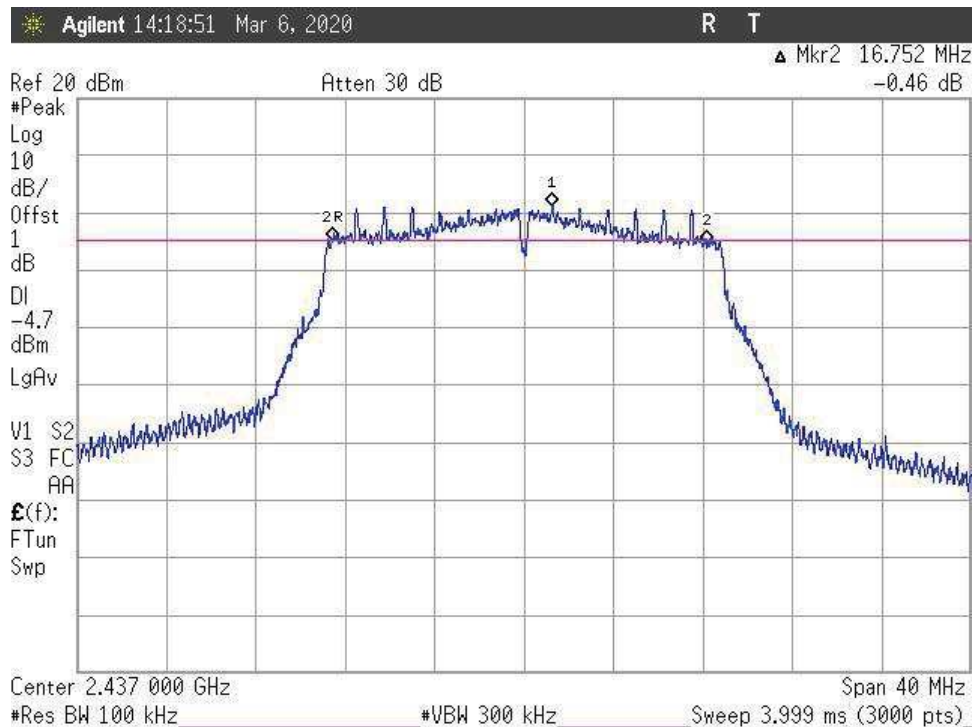


- **Mode 802.11 n20 – 6 dB Bandwidth**

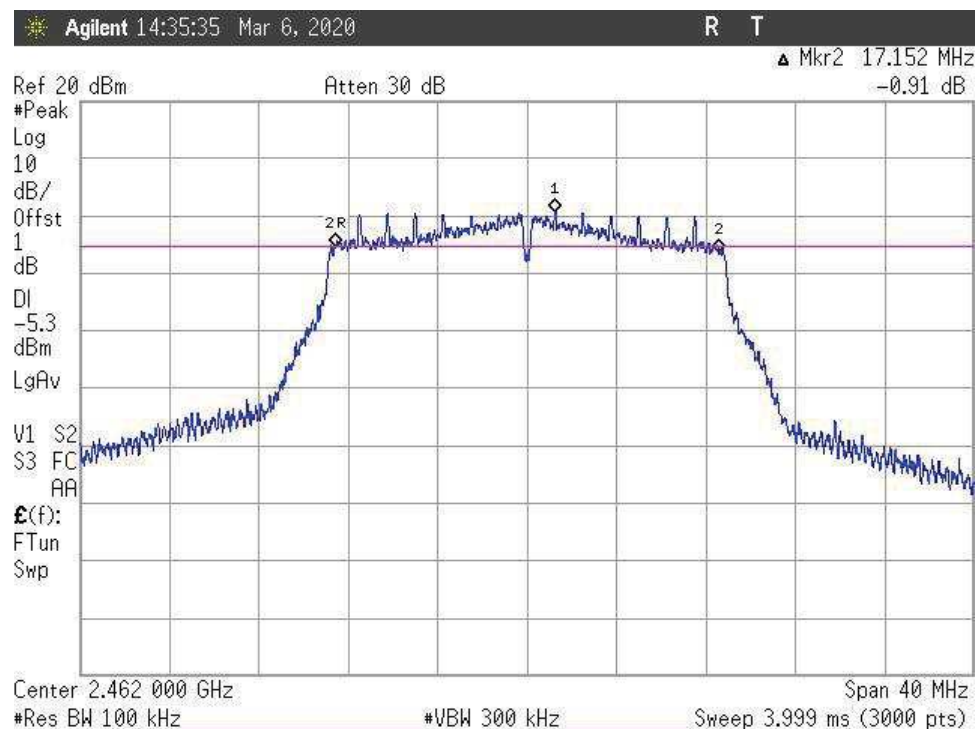
- Low Channel:



- Middle Channel:



- High Channel:



MIMO – CORE1_Port4 Antenna & CORE0_Port2 Antenna:

- Mode 802.11 b**

	Low Channel		Middle Channel		High Channel	
	CORE1_Port4	CORE0_Port2	CORE1_Port4	CORE0_Port2	CORE1_Port4	CORE0_Port2
6 dB Spectrum Bandwidth (kHz)	7107	7080	7093	7093	7093	7093
Measurement uncertainty (kHz)	<±19.27					

- Mode 802.11 g**

	Low Channel		Middle Channel		High Channel	
	CORE1_Port4	CORE0_Port2	CORE1_Port4	CORE0_Port2	CORE1_Port4	CORE0_Port2
6 dB Spectrum Bandwidth (kHz)	16338	16301	16333	16334	16330	16311
Measurement uncertainty (kHz)	<±19.27					

- Mode 802.11 n20**

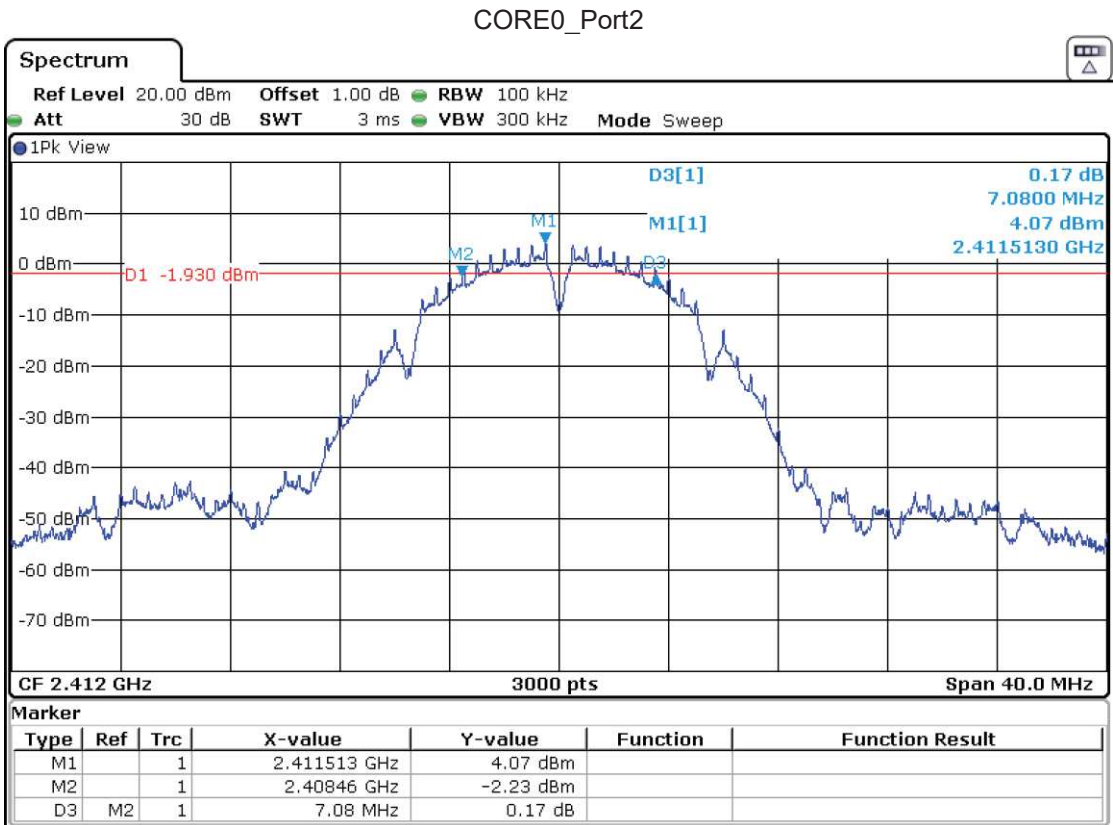
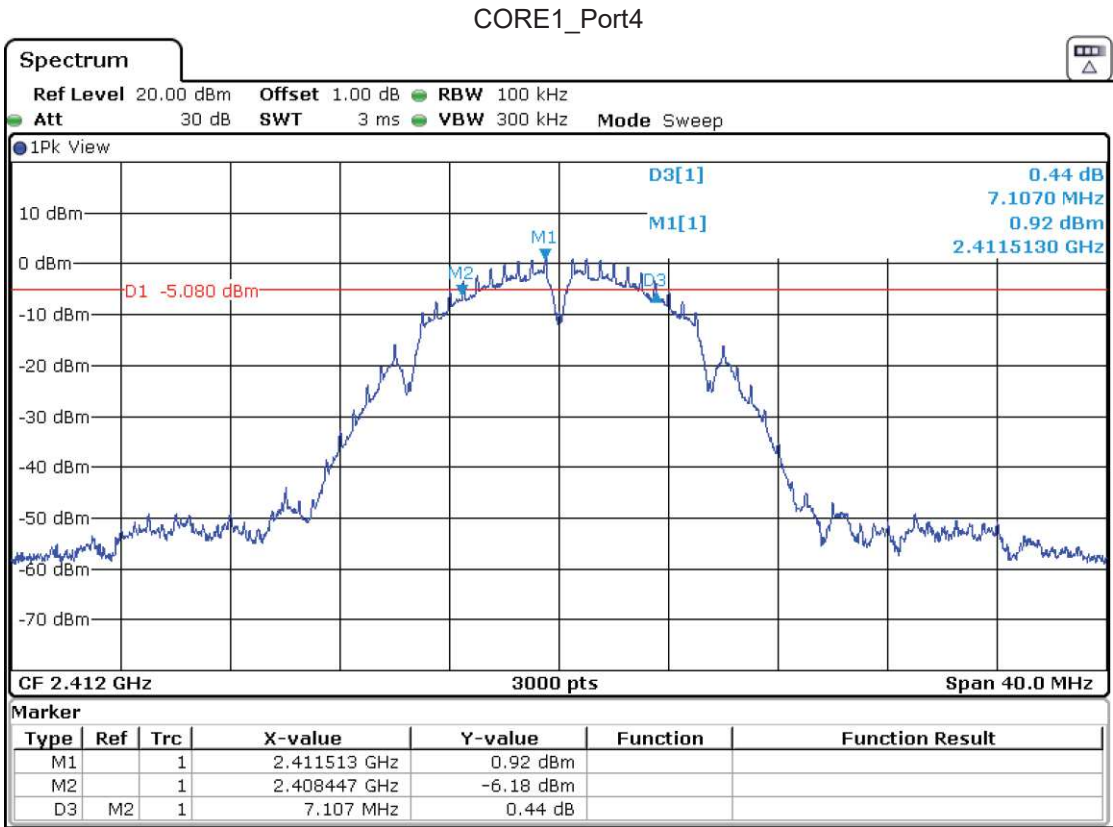
	Low Channel		Middle Channel		High Channel	
	CORE1_Port4	CORE0_Port2	CORE1_Port4	CORE0_Port2	CORE1_Port4	CORE0_Port2
6 dB Spectrum Bandwidth (kHz)	17547	17320	17600	17560	17573	17573
Measurement uncertainty (kHz)	<±19.27					

Verdict: PASS

MIMO – CORE1_Port4 Antenna & CORE0_Port2 Antenna:

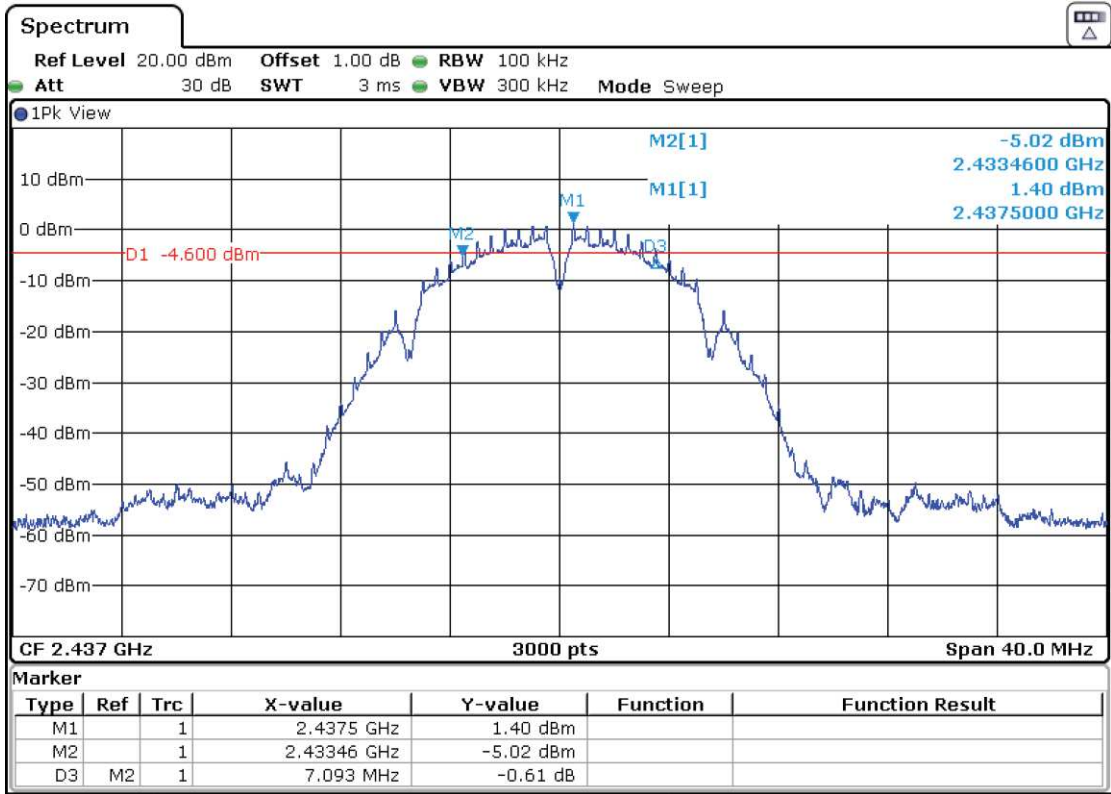
- Mode 802.11 b – 6 dB Bandwidth

- Low Channel:

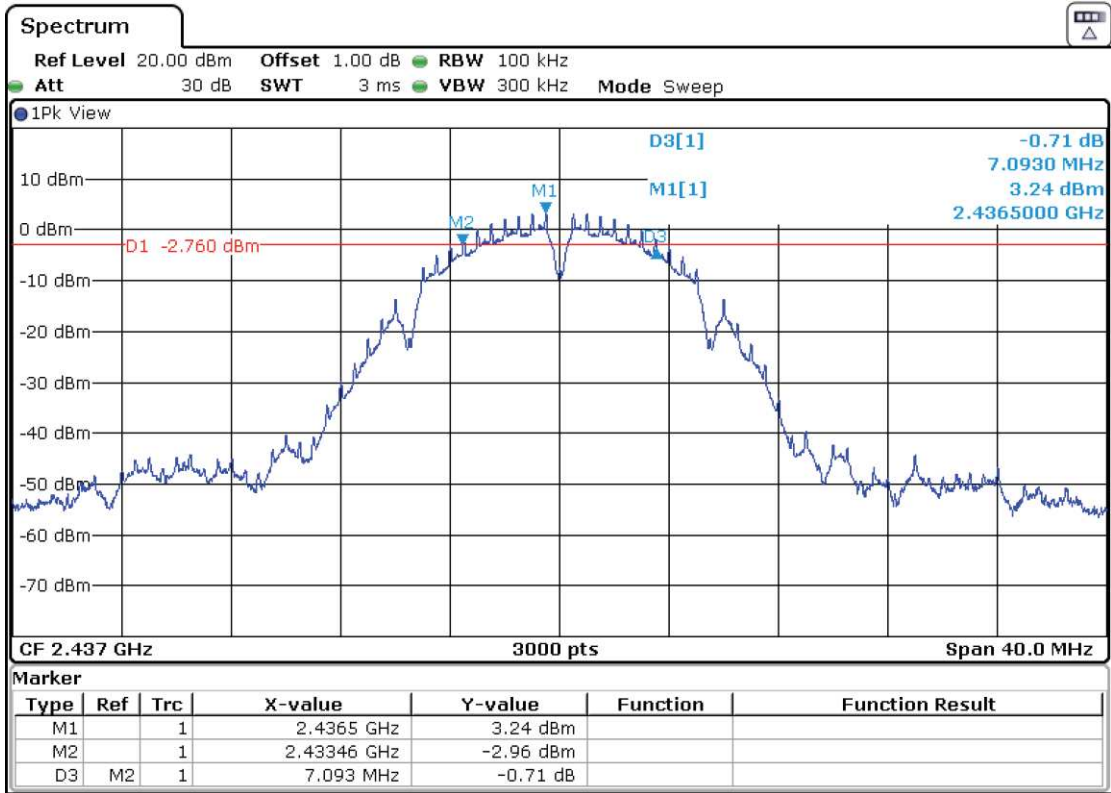


- Middle Channel:

CORE1_Port4

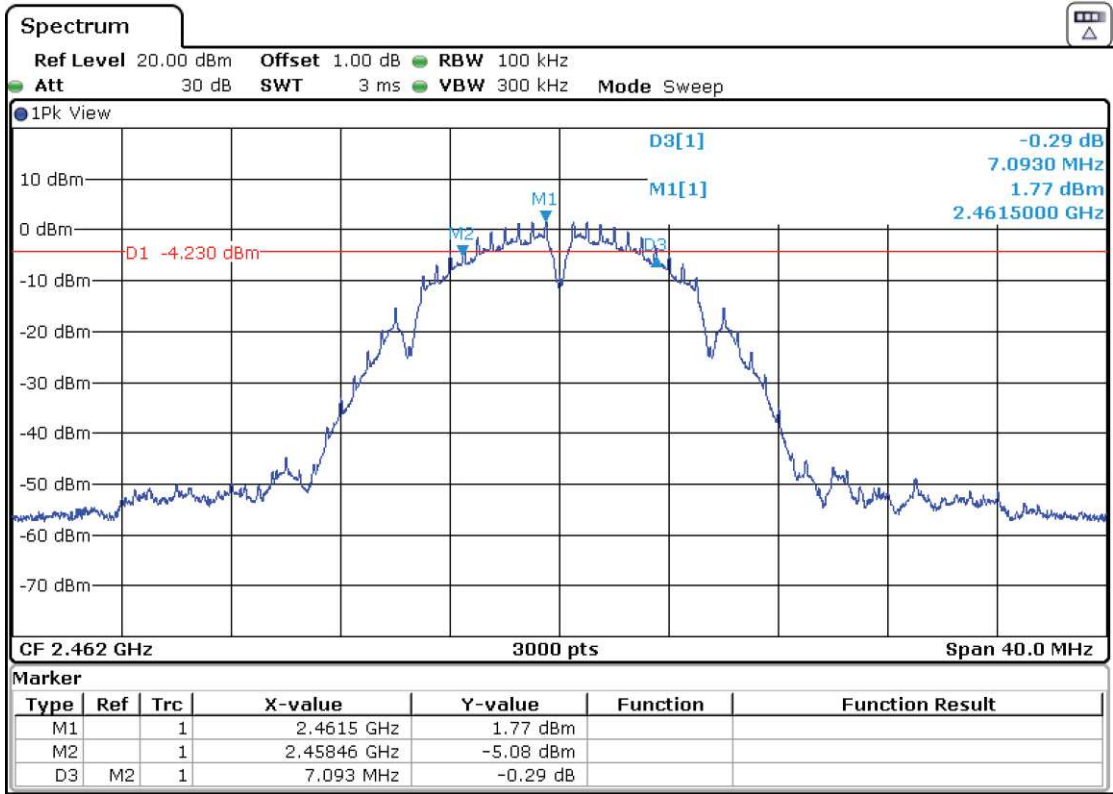


CORE0_Port2

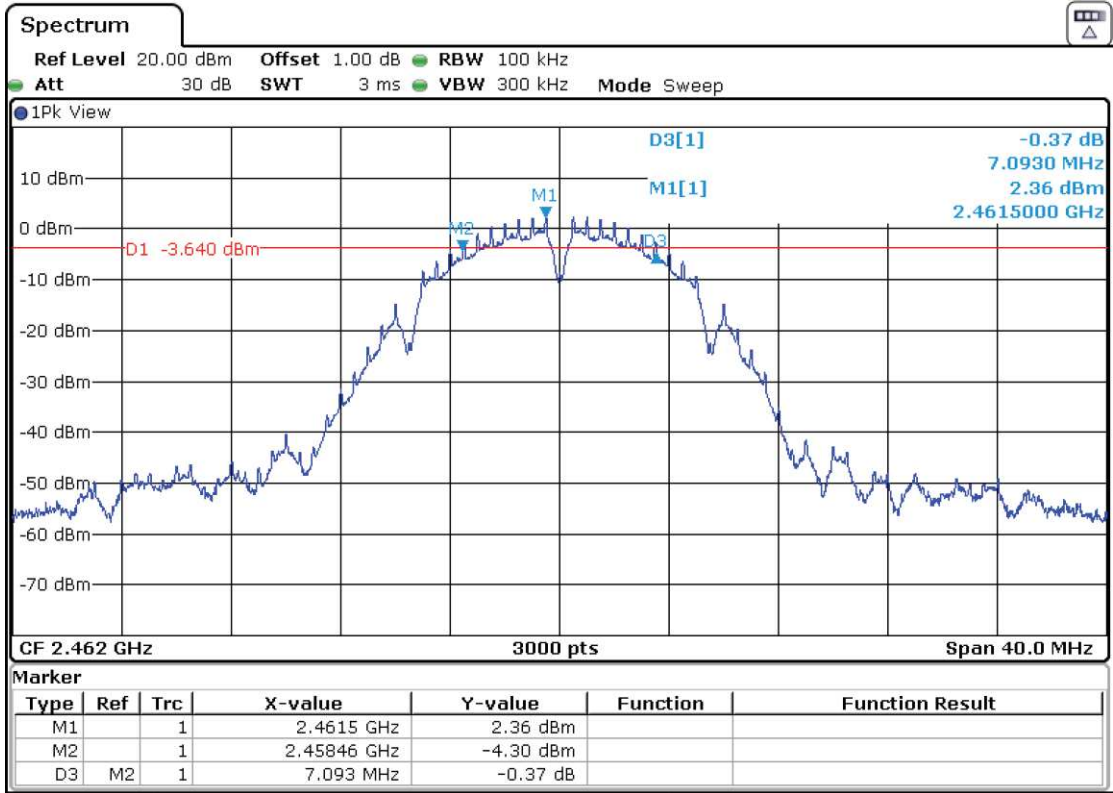


- High Channel:

CORE1_Port4



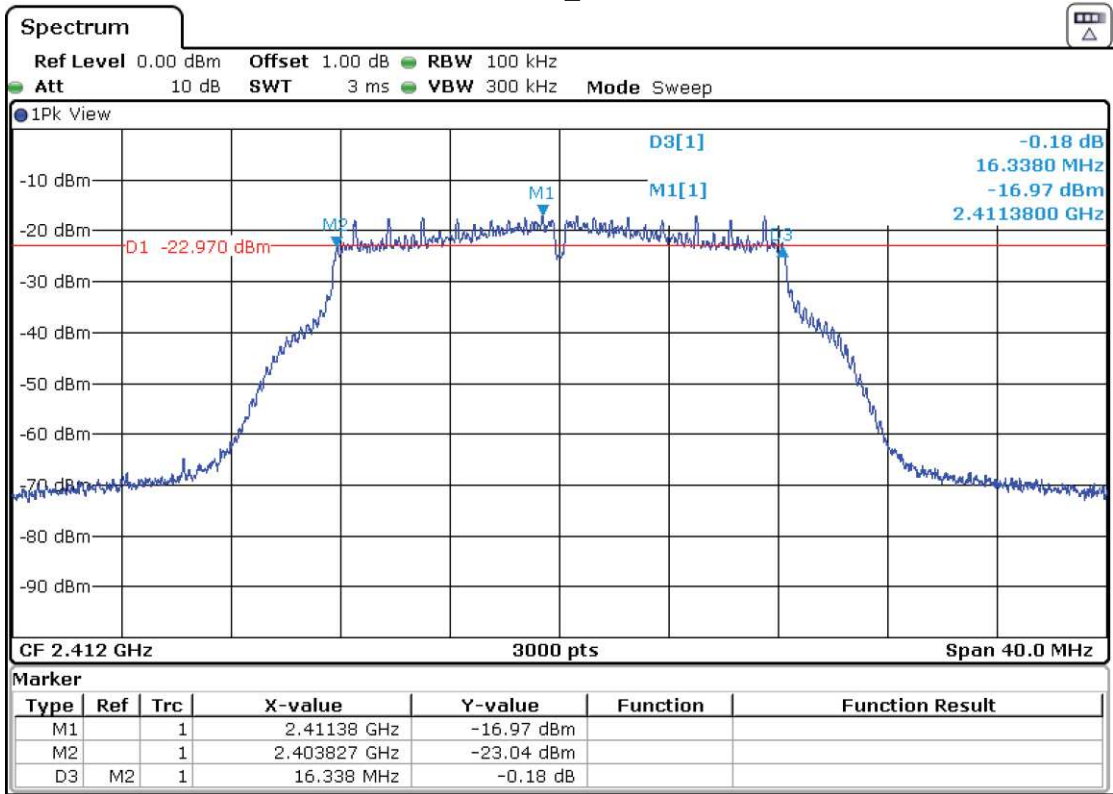
CORE0_Port2



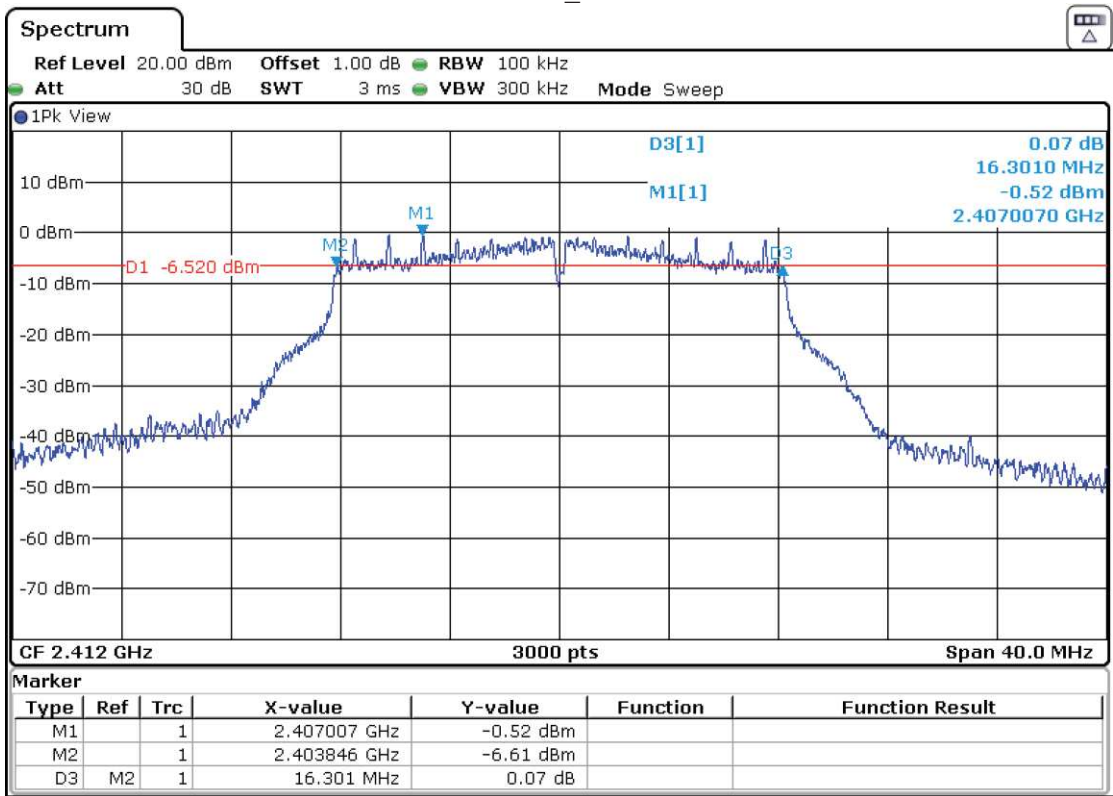
- Mode 802.11 g – 6 dB Bandwidth

- Low Channel:

CORE1_Port4

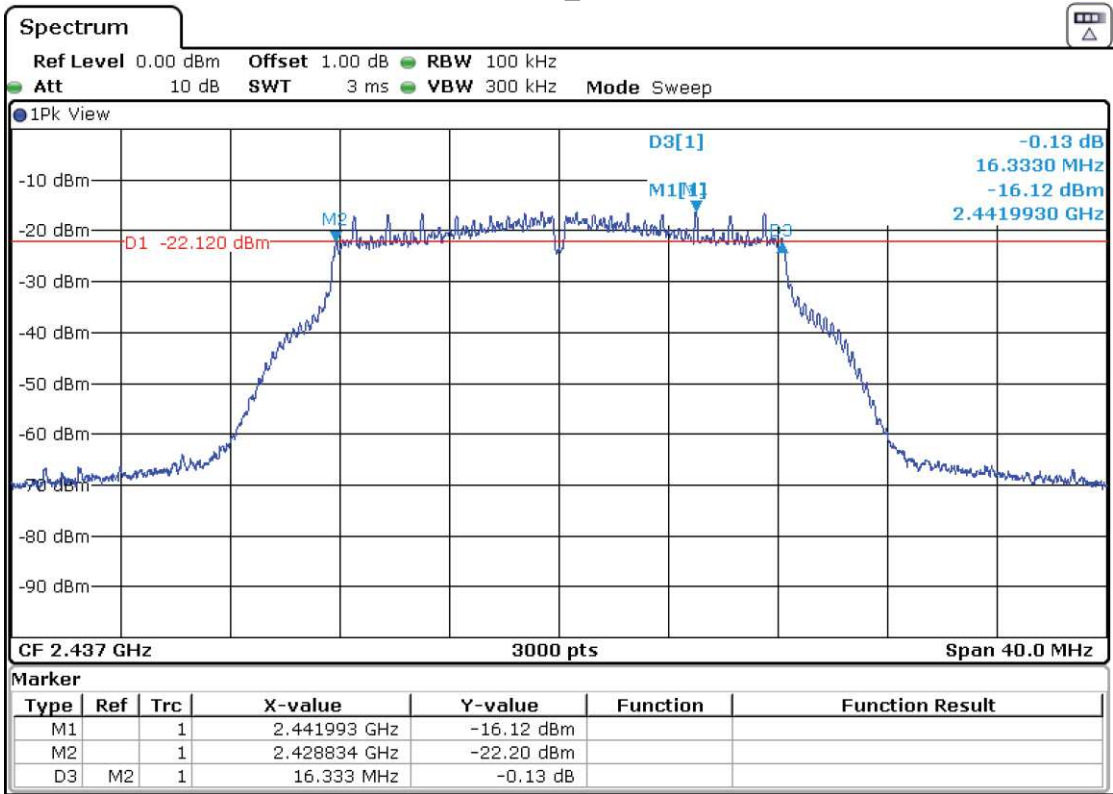


CORE0_Port2

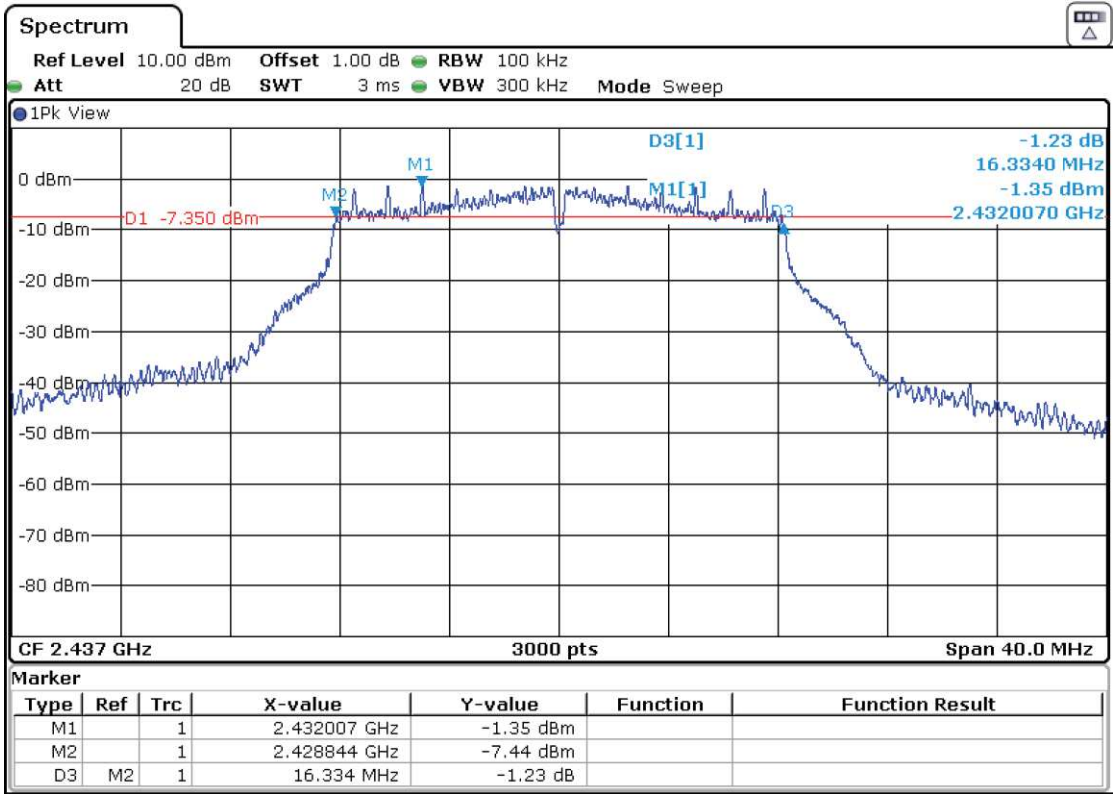


- Middle Channel:

CORE1_Port4

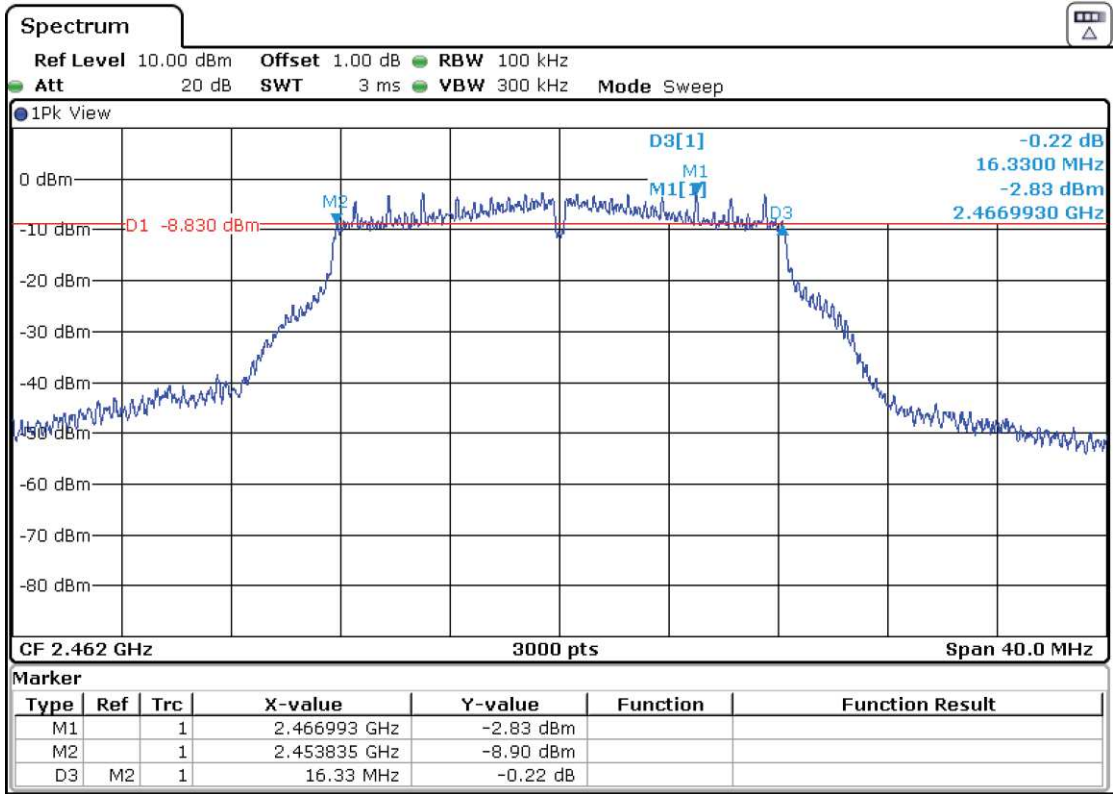


CORE0_Port2

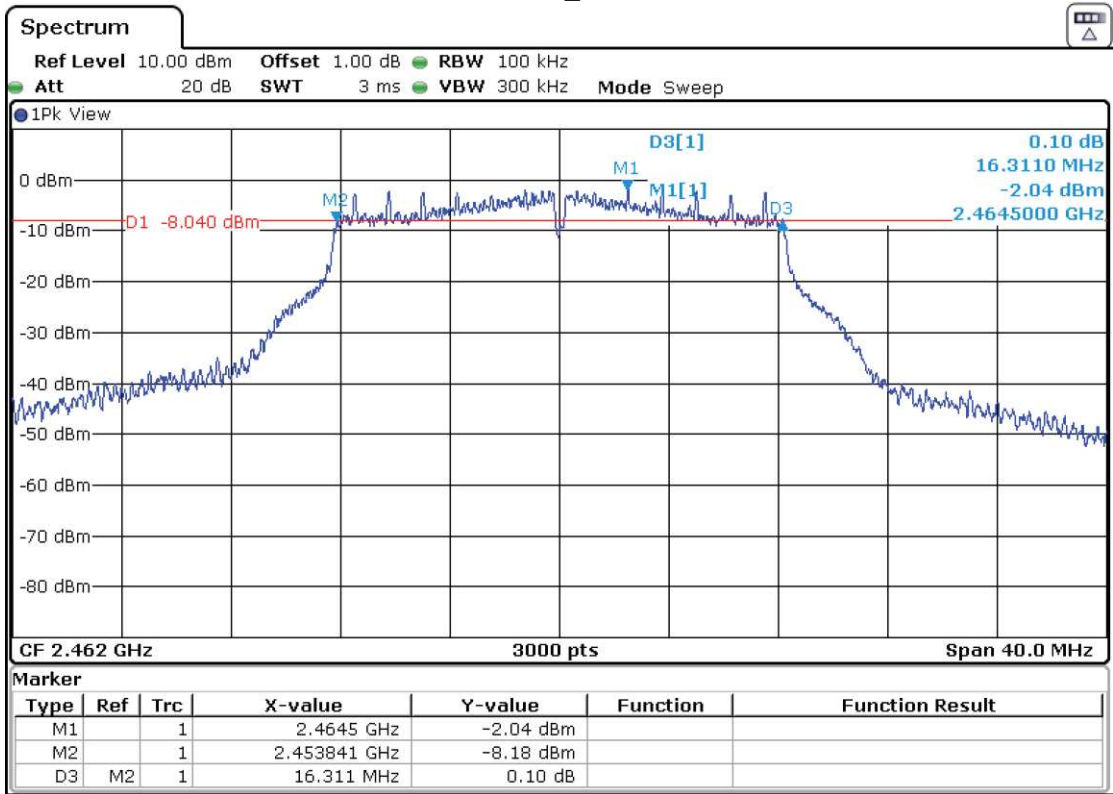


- High Channel:

CORE1_Port4



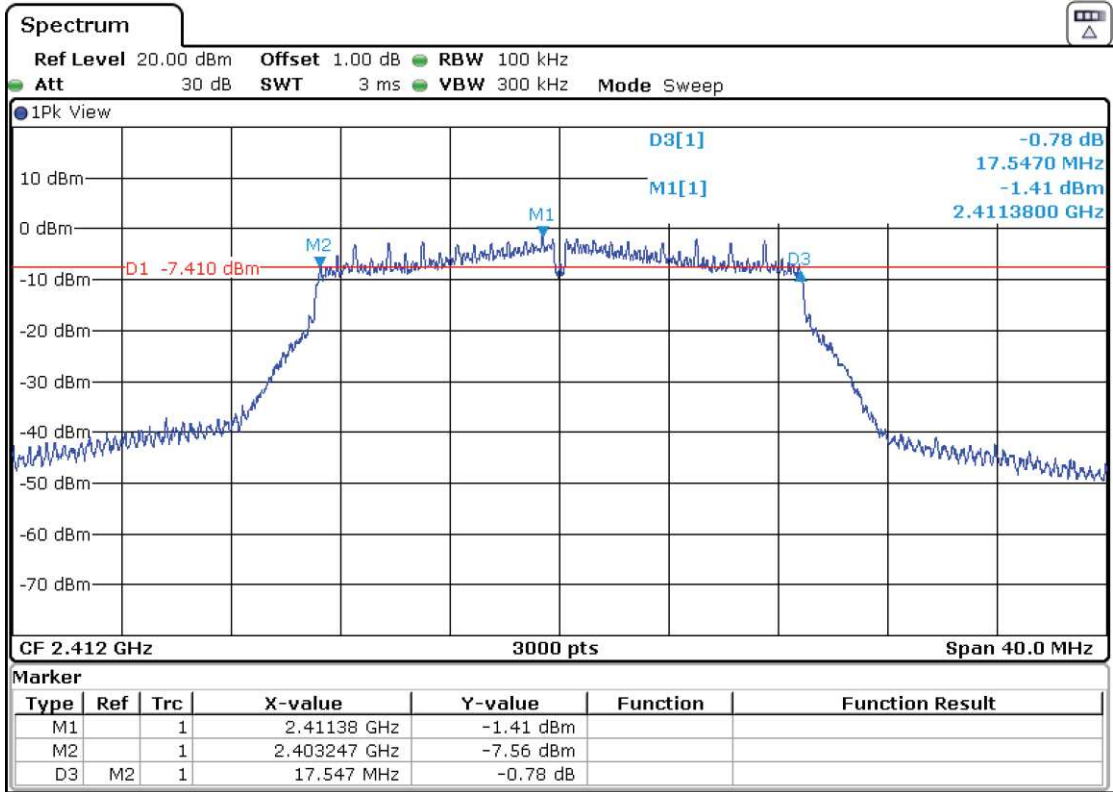
CORE0_Port2



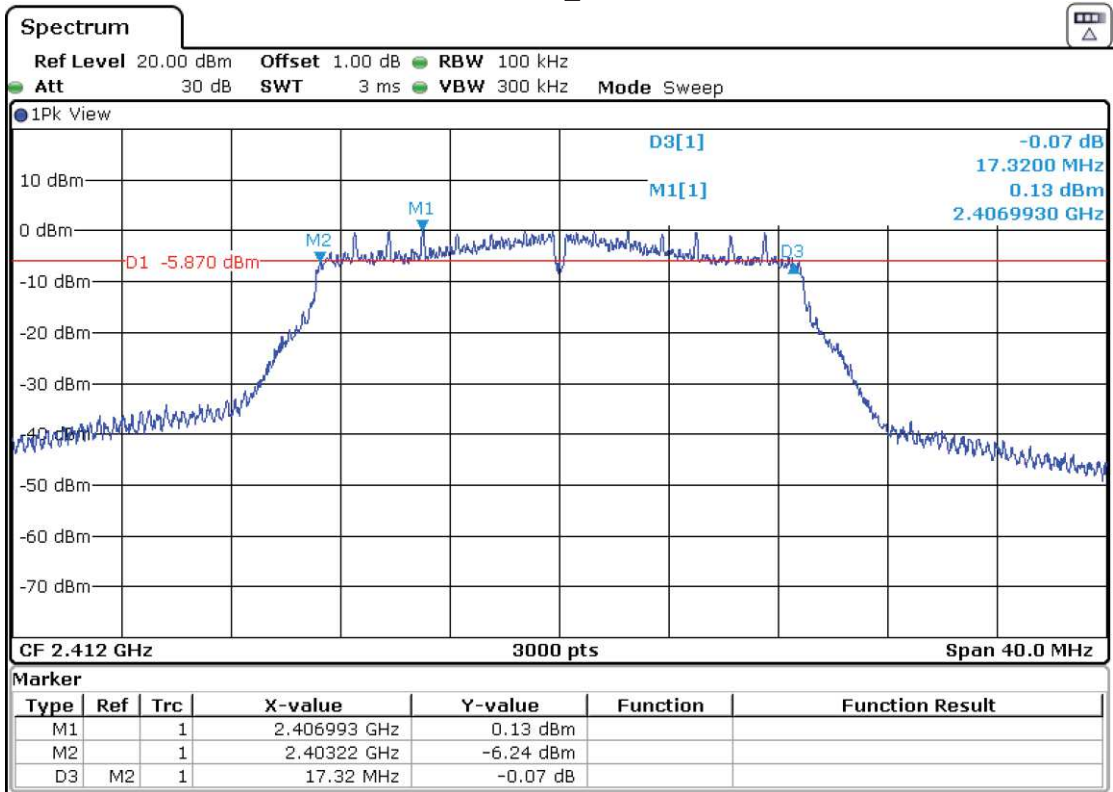
• Mode 802.11 n20 – 6 dB Bandwidth

- Low Channel:

CORE1_Port4

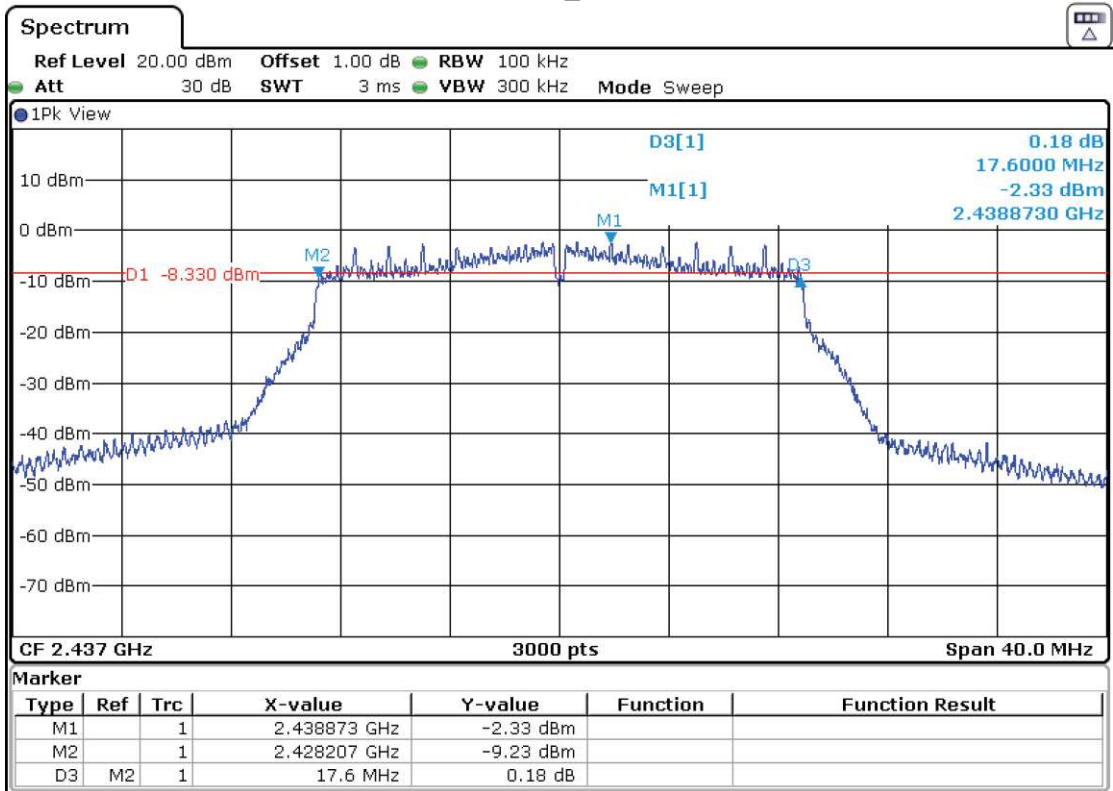


CORE0_Port2



- Middle Channel:

CORE1_Port4



CORE0_Port2

