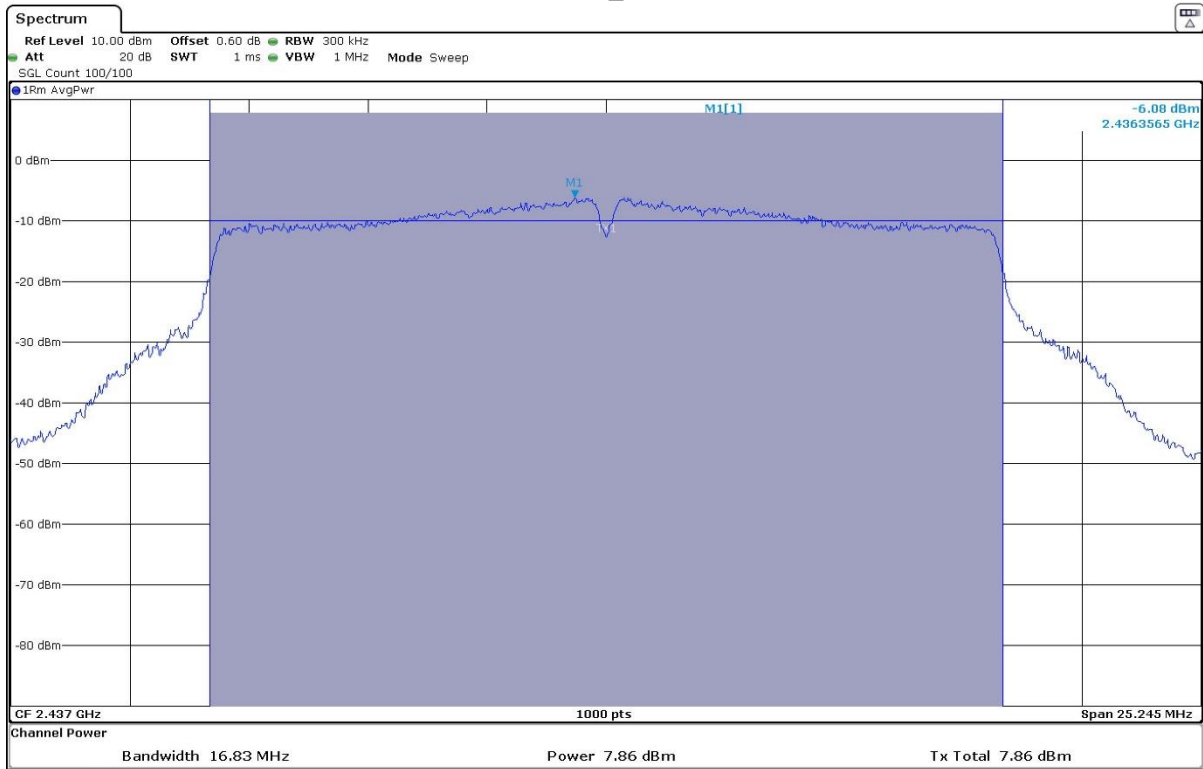
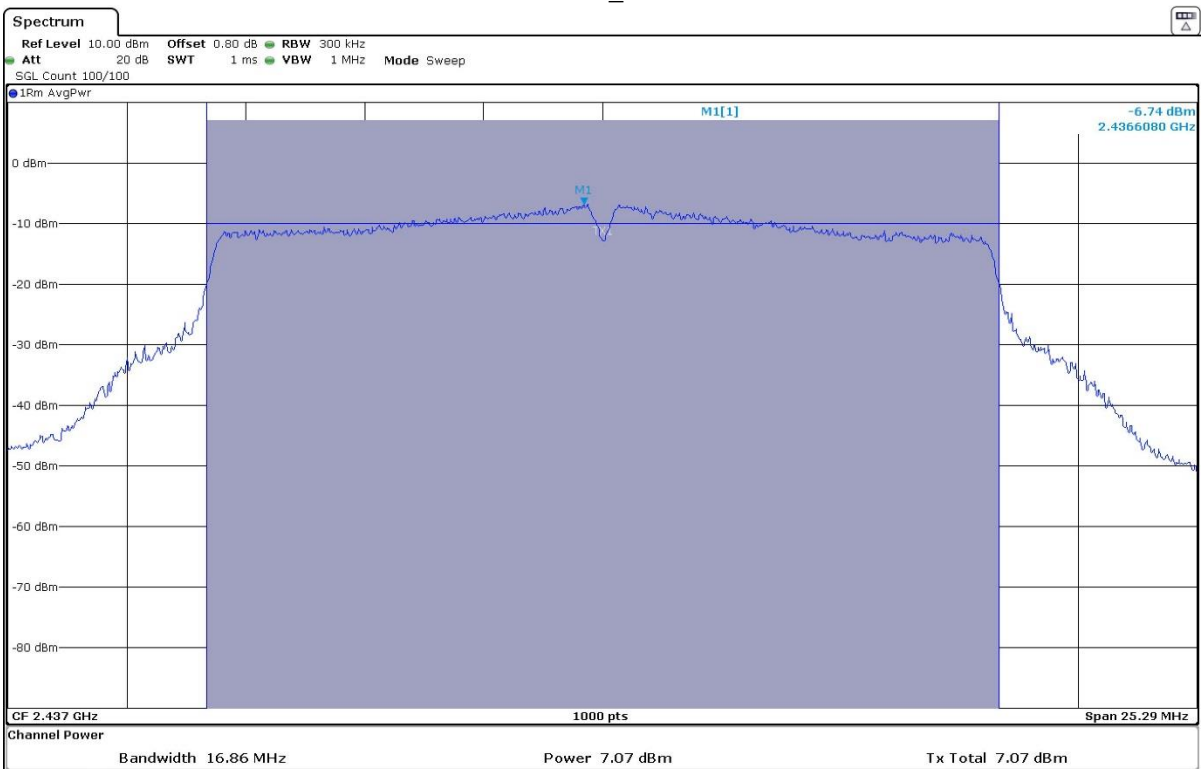


- Middle Channel:

CORE1_Port4

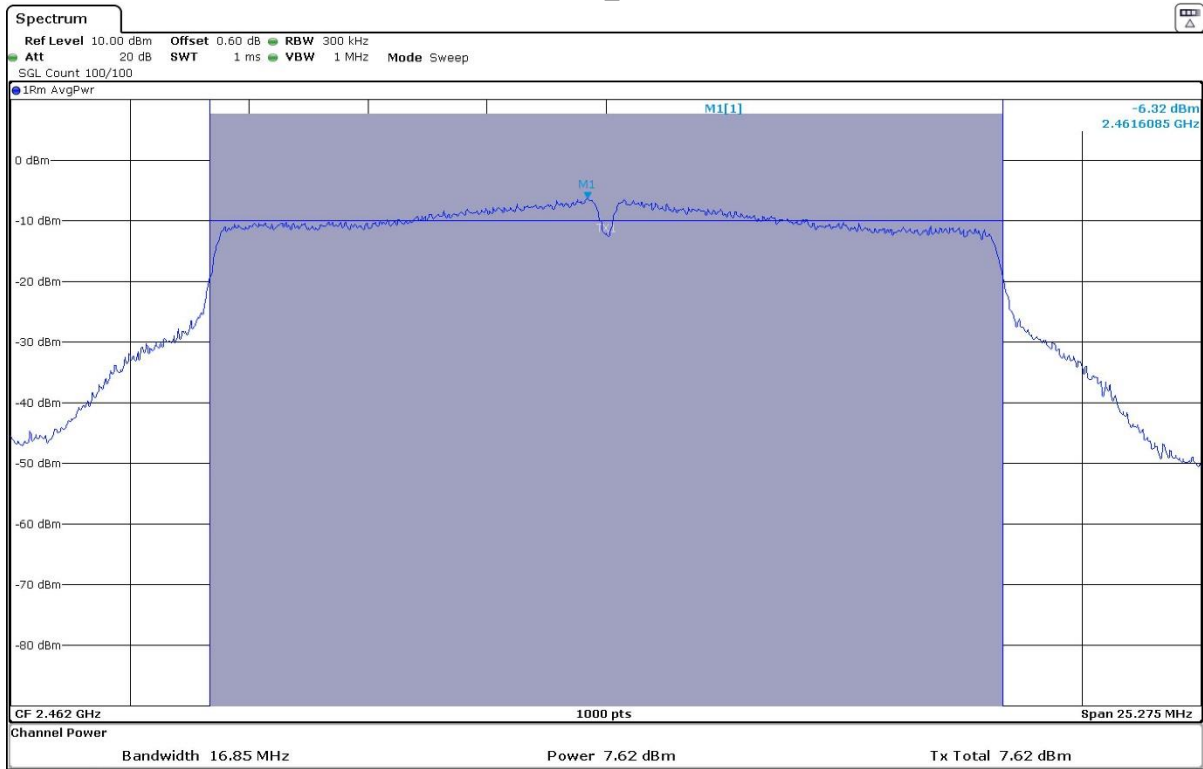


CORE1_Port1

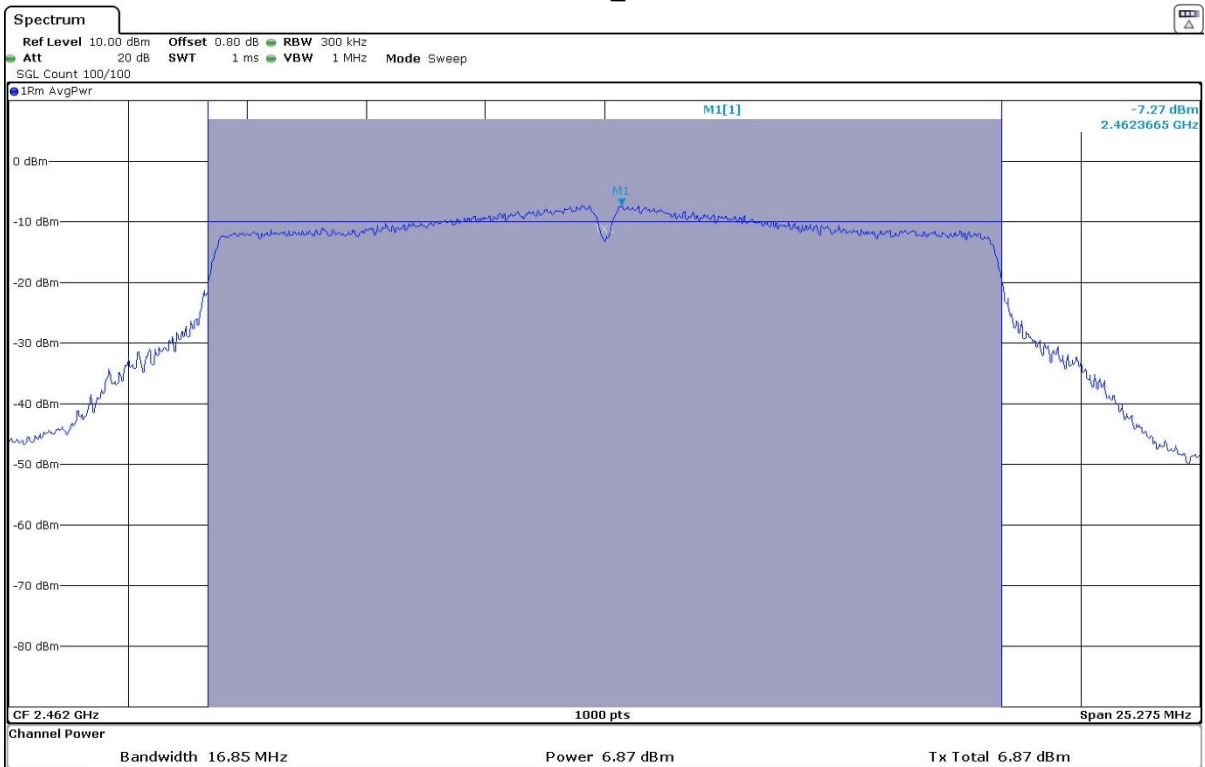


- High Channel:

CORE1_Port4



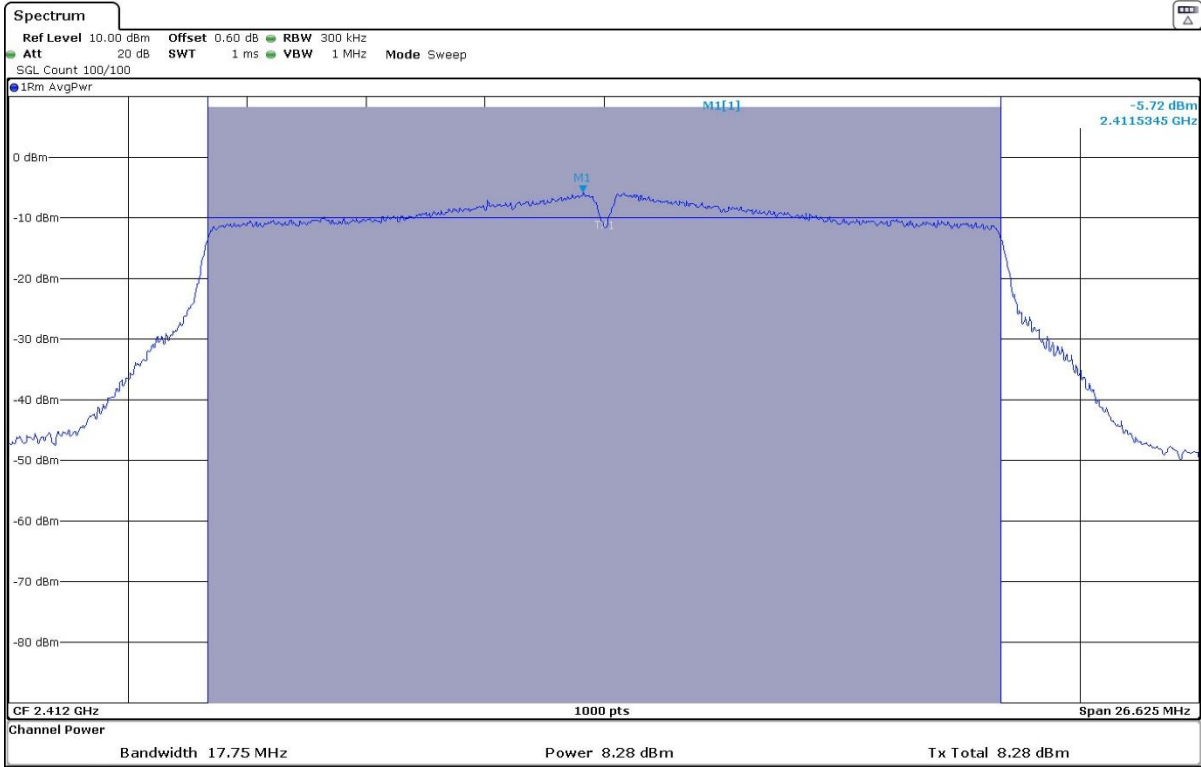
CORE1_Port1



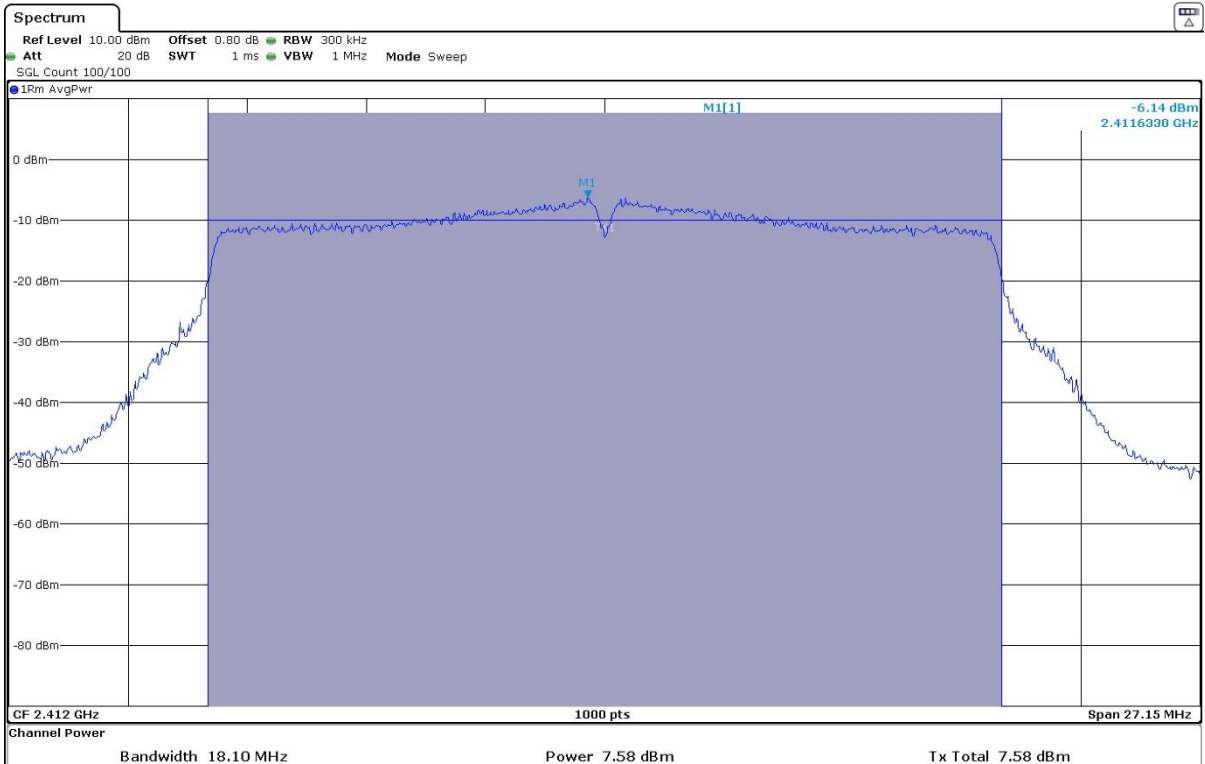
- **Mode 802.11 n20**

- Low Channel:

CORE1_Port4

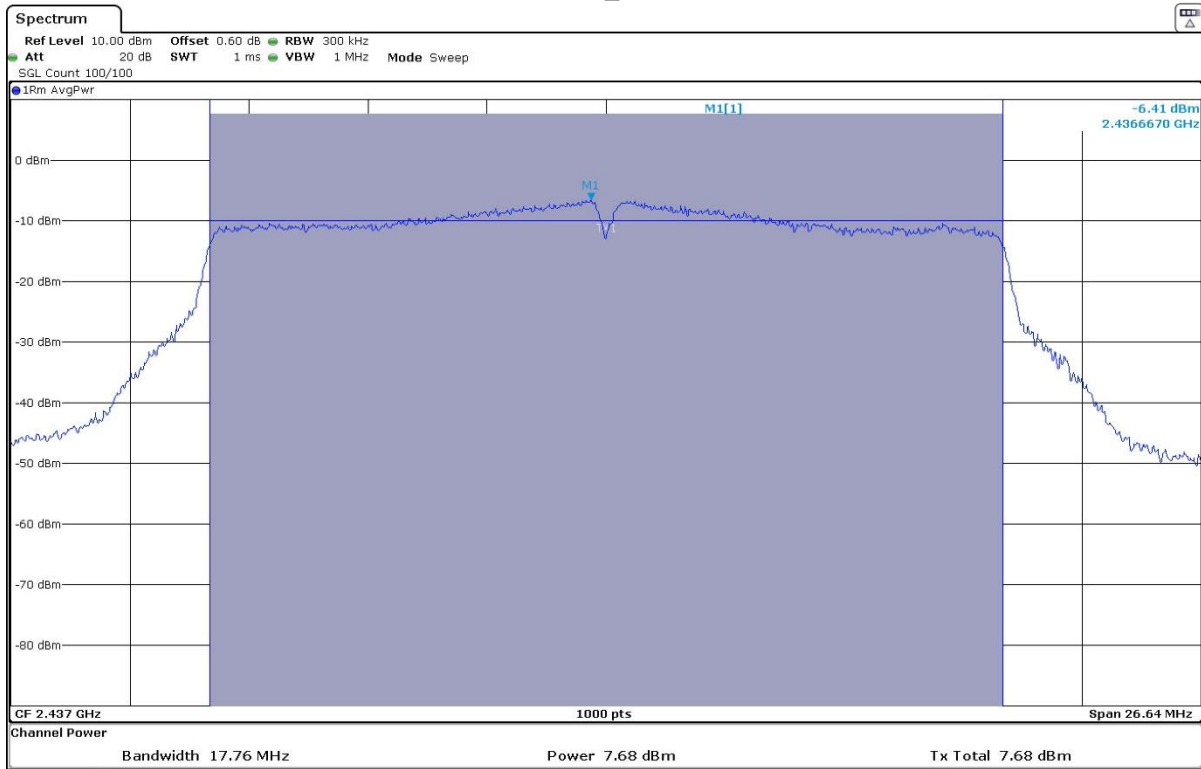


CORE1_Port1

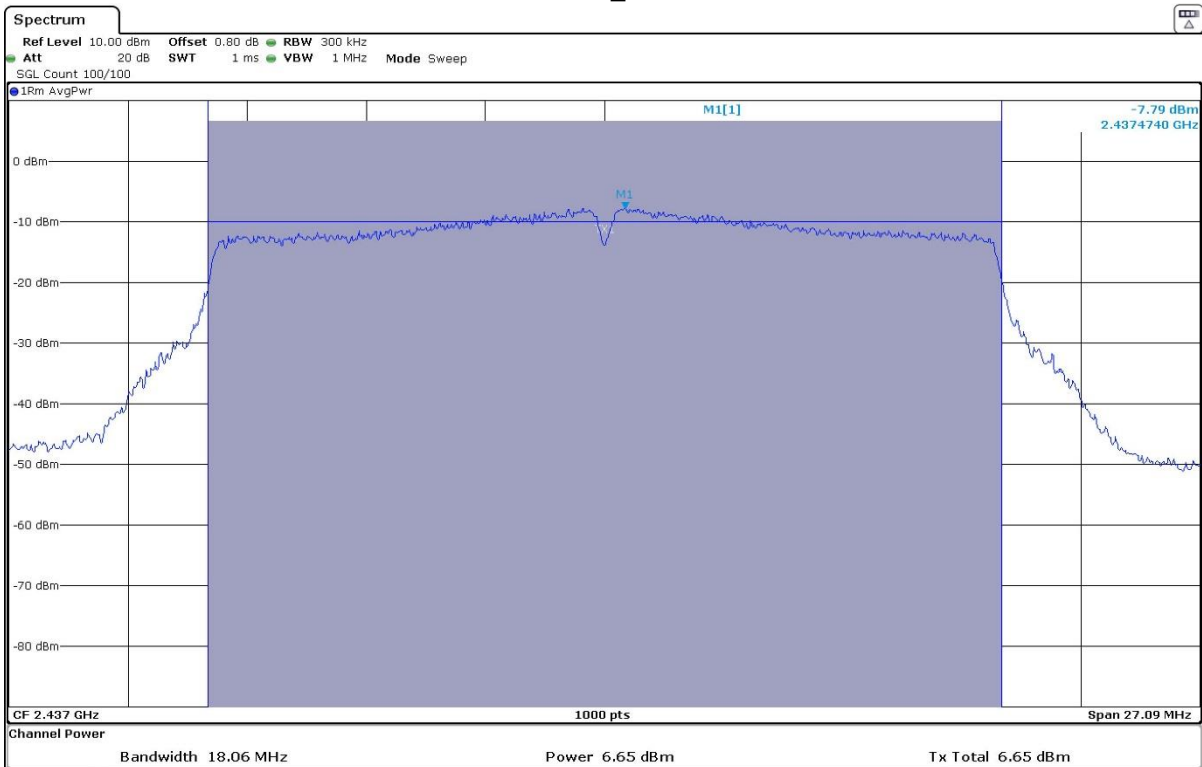


- Middle Channel:

CORE1_Port4

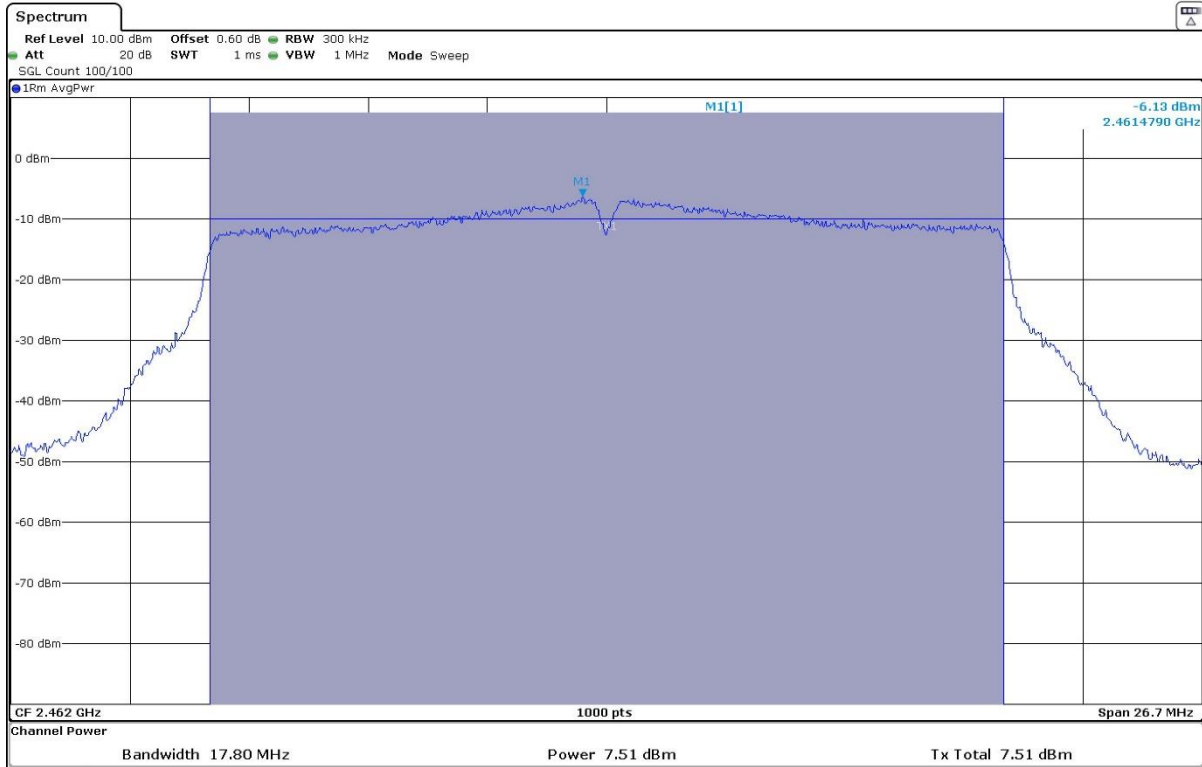


CORE1_Port1

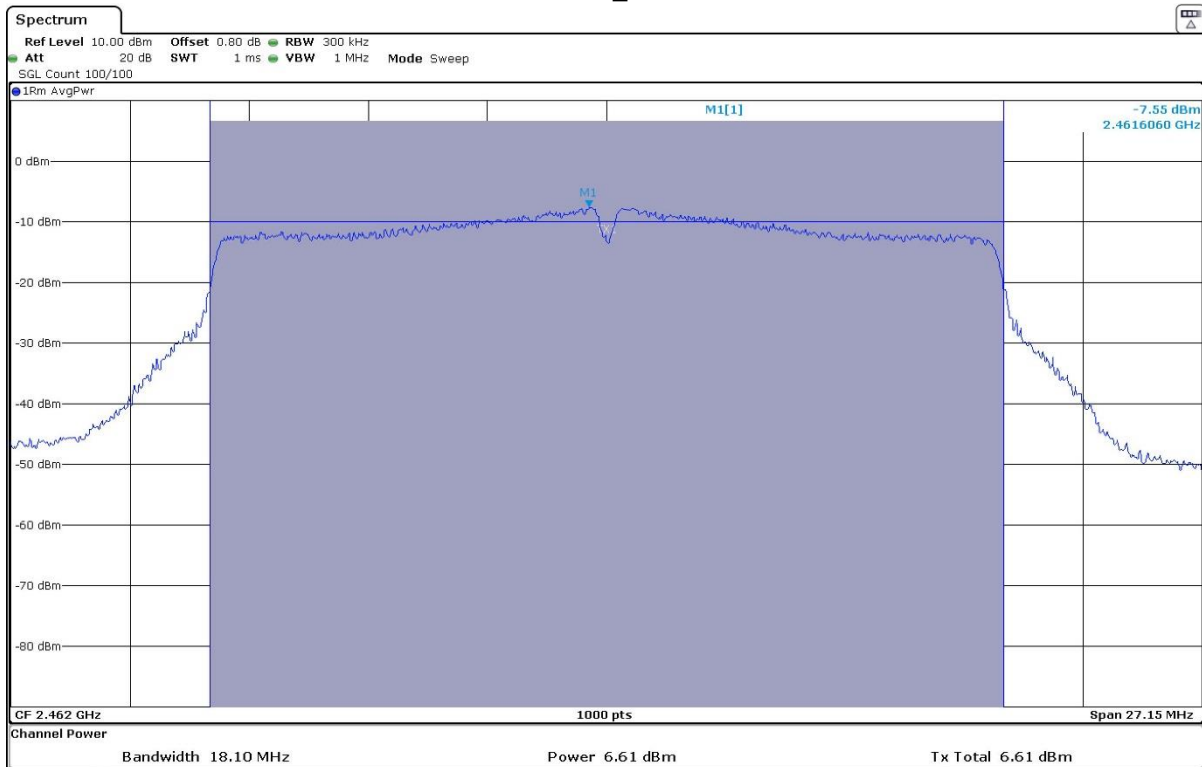


- High Channel:

CORE1_Port4



CORE1_Port1



FCC Section 15.247 Subclause (d) / RSS-247 Clause 5.5. Band-edge emissions compliance (Transmitter)

SPECIFICATION:

In any 100 kHz bandwidths outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

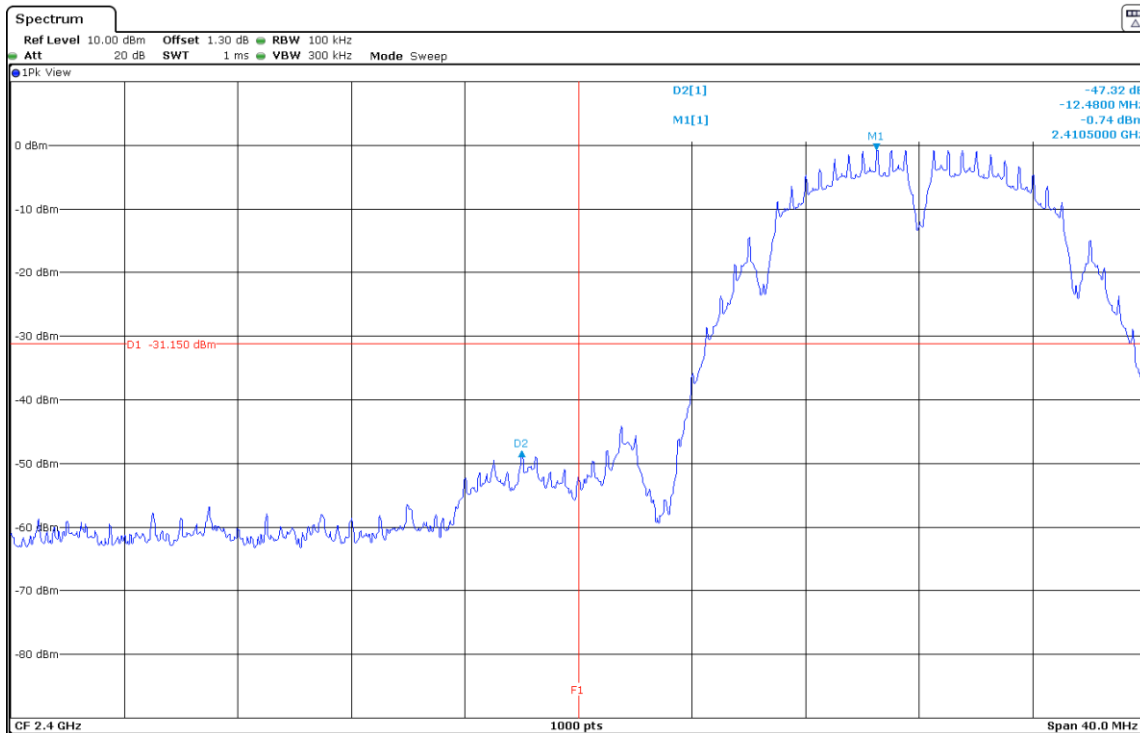
RESULTS:

Radiated measurements were used to show compliance with the limits in the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Measurement uncertainty (dB)	<±1.56
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- **Mode 802.11 b – Band-edge emissions compliance**

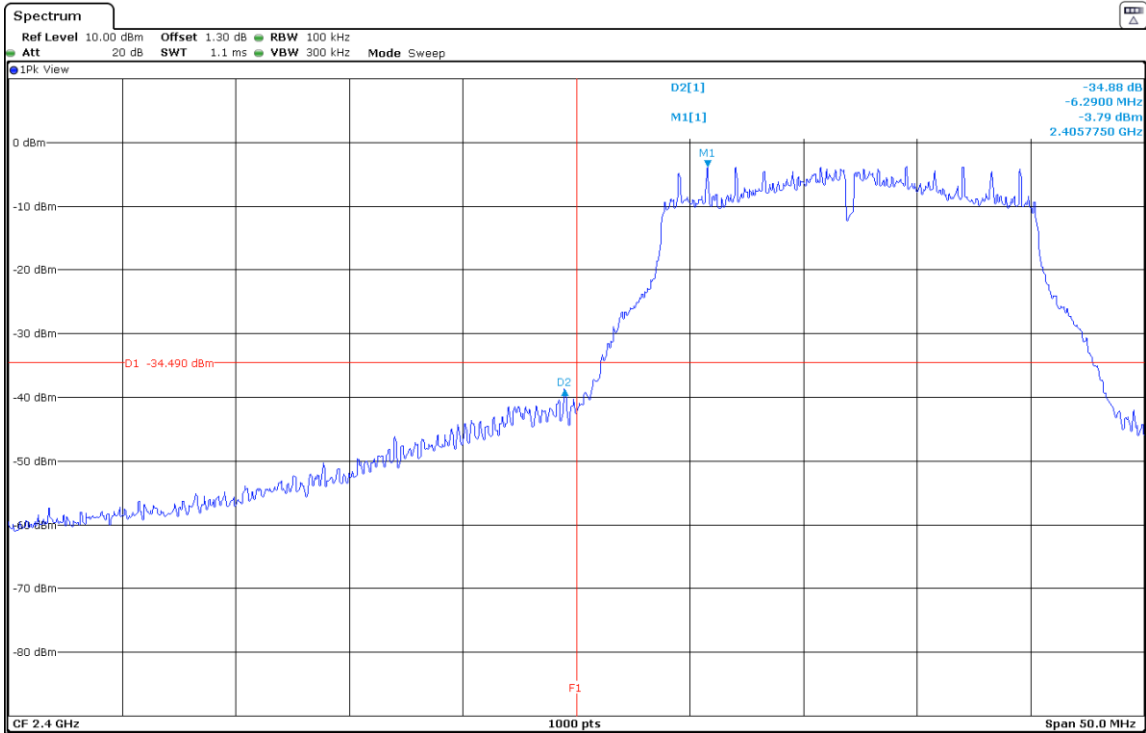
- Low Channel:



Verdict: PASS

- **Mode 802.11 g – Band-edge emissions compliance**

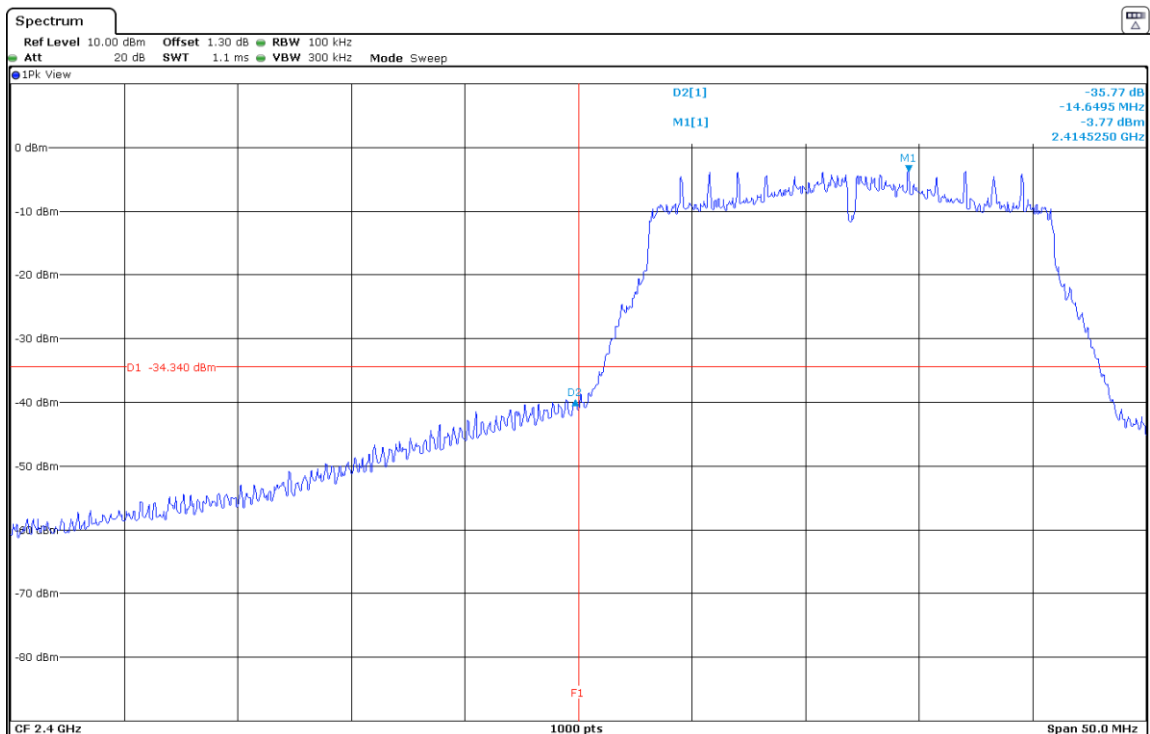
- Low Channel:



Verdict: PASS

- **Mode 802.11 n20 – Band-edge emissions compliance**

- Low Channel:



Verdict: PASS

FCC Section 15.247 Subclause (e) / RSS-247 Clause 5.2. (b) Power spectral density

SPECIFICATION:

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS:

For SISO modes b, g and n20, the power spectral density was measured using the method according to point 11.10.3 "Method AVGPSD-1" of ANSI C.63.10-2013.

For MIMO modes, the power spectral density was measured using the method according to point 11.10.5 "Method AVGPSD-2" of ANSI C.63.10-2013.

Preliminary tests determined the SISO worst case for each mode.

- SISO – CORE1_Port4 – Declared Maximum Antenna Gain: +2.4 dBi
- MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna – Declared Maximum Antenna Gain: +3 dBi

SISO – CORE1_Port4 – Antenna:

- **Mode 802.11 b**

	Low Channel 2412 MHz	Middle Channel 2437 MHz	High Channel 2462 MHz
Average Power Spectral Density (dBm)	-9.06	-9.16	-9.63
Duty Cycle (dB)	0.165		
Average Power Spectral Density with Duty Cycle Correction (dBm)	-8.895	-8.995	-9.465
Measurement uncertainty (dB)	<±1.56		

- **Mode 802.11 g**

	Low Channel 2412 MHz	Middle Channel 2437 MHz	High Channel 2462 MHz
Average Power Spectral Density (dBm)	-10.47	-10.51	-10.86
Duty Cycle (dB)	0.952		
Average Power Spectral Density with Duty Cycle Correction (dBm)	-9.518	-9.558	-9.908
Measurement uncertainty (dB)	<±1.56		

- **Mode 802.11 n20**

	Low Channel 2412 MHz	Middle Channel 2437 MHz	High Channel 2462 MHz
Average Power Spectral Density (dBm)	-10.99	-10.32	-11.22
Duty Cycle (dB)	1.016		
Average Power Spectral Density with Duty Cycle Correction (dBm)	-9.974	-9.304	-10.204
Measurement uncertainty (dB)	<±1.56		

Verdict: PASS

MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

- **Mode 802.11 b**

	Low Channel 2412 MHz		Middle Channel 2437 MHz		High Channel 2462 MHz	
	CORE1_ Port4	CORE1_ Port1	CORE1_ Port4	CORE1_ Port1	CORE1_ Port4	CORE1_ Port1
Average Power Spectral Density (dBm/100KHz)	-9.77	-10.00	-10.77	-10.51	-10.24	-11.29
Duty Cycle Correction (dB)	0.179	0.155	0.179	0,155	0,179	0,155
PSD with Duty Cycle Correction (dBm/100KHz)	-9.591	-9.845	-10.591	-10.355	-10.061	-11.135
	CORE1_Port4 + CORE1_Port1		CORE1_Port4 + CORE1_Port1		CORE1_Port4 + CORE1_Port1	
Combined Conducted PSD (dBm)	-6.706		-7.461		-7.555	
Measurement uncertainty (dB)	<±1.56					

- **Mode 802.11 g**

	Low Channel 2412 MHz		Middle Channel 2437 MHz		High Channel 2462 MHz	
	CORE1_ Port4	CORE1_ Port1	CORE1_ Port4	CORE1_ Port1	CORE1_ Port4	CORE1_ Port1
Average Power Spectral Density (dBm/100KHz)	-11.23	-10.74	-11.57	-11.71	-11.74	-11.96
Duty Cycle Correction (dB)	0.960	0.966	0.960	0.966	0.960	0.966
PSD with Duty Cycle Correction (dBm/100KHz)	-10.270	-9.774	-10.610	-10.744	-10.780	-10.994
	CORE1_Port4 + CORE1_Port1		CORE1_Port4 + CORE1_Port1		CORE1_Port4 + CORE1_Port1	
Combined Conducted PSD (dBm)	-7.004		-7.666		-7.875	
Measurement uncertainty (dB)	<±1.56					

- **Mode 802.11 n20**

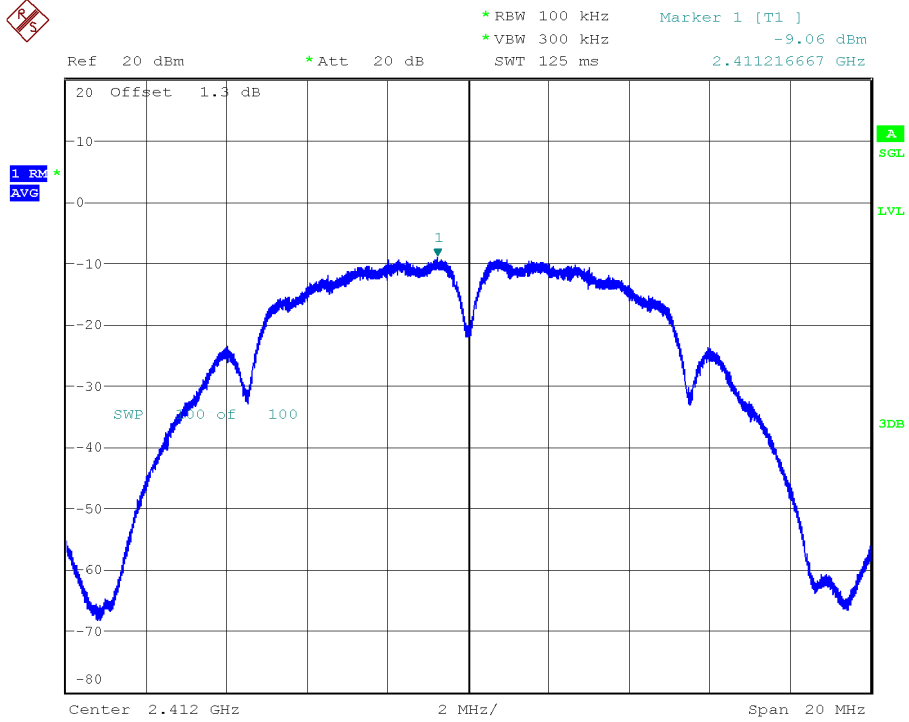
	Low Channel 2412 MHz		Middle Channel 2437 MHz		High Channel 2462 MHz	
	CORE1_ Port4	CORE1_ Port1	CORE1_ Port4	CORE1_ Port1	CORE1_ Port4	CORE1_ Port1
Average Power Spectral Density (dBm/100KHz)	-11.53	-12.20	-11.68	-11.79	-11.31	-12.66
Duty Cycle Correction (dB)	1.013	1.018	1.013	1.018	1.013	1.018
PSD with Duty Cycle Correction (dBm/100KHz)	-10.517	-11.182	-10.667	-10.772	-10.297	-11.642
	CORE1_Port4 + CORE1_Port1		CORE1_Port4 + CORE1_Port1		CORE1_Port4 + CORE1_Port1	
Combined Conducted PSD (dBm)	-7.826		-7.709		-7.907	
Measurement uncertainty (dB)	<±1.56					

Verdict: PASS

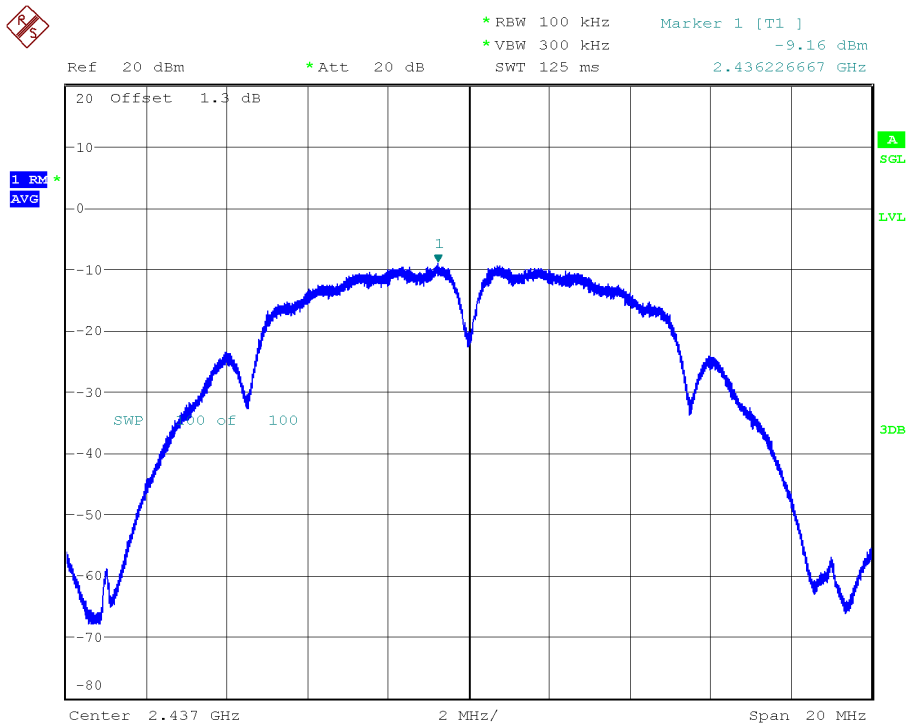
SISO CORE1_Port4 Antenna:

- Mode 802.11 b – Power Spectral Density

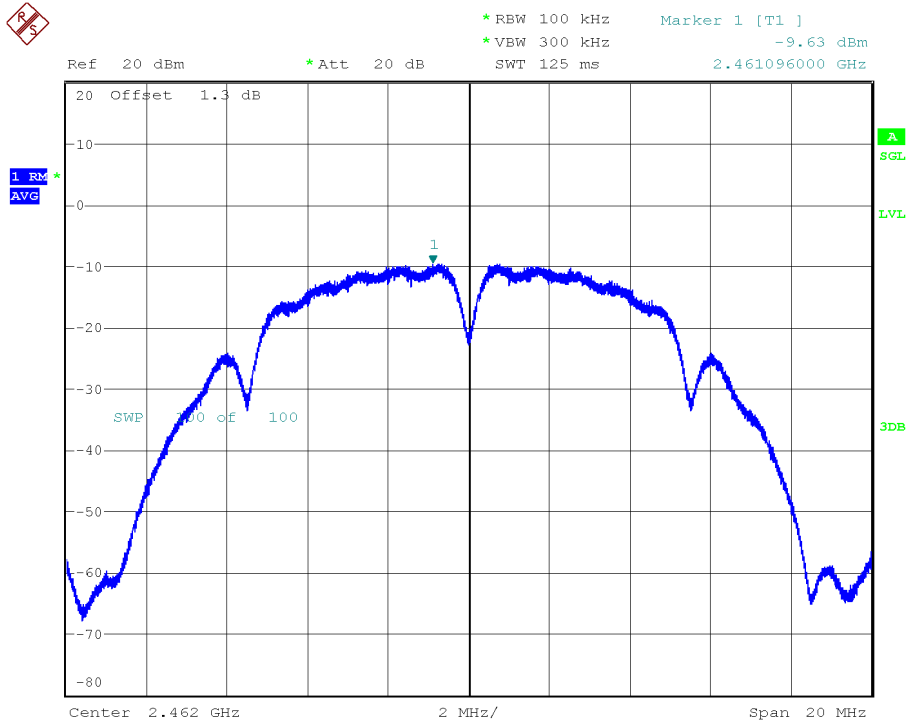
- Low Channel:



- Middle Channel:



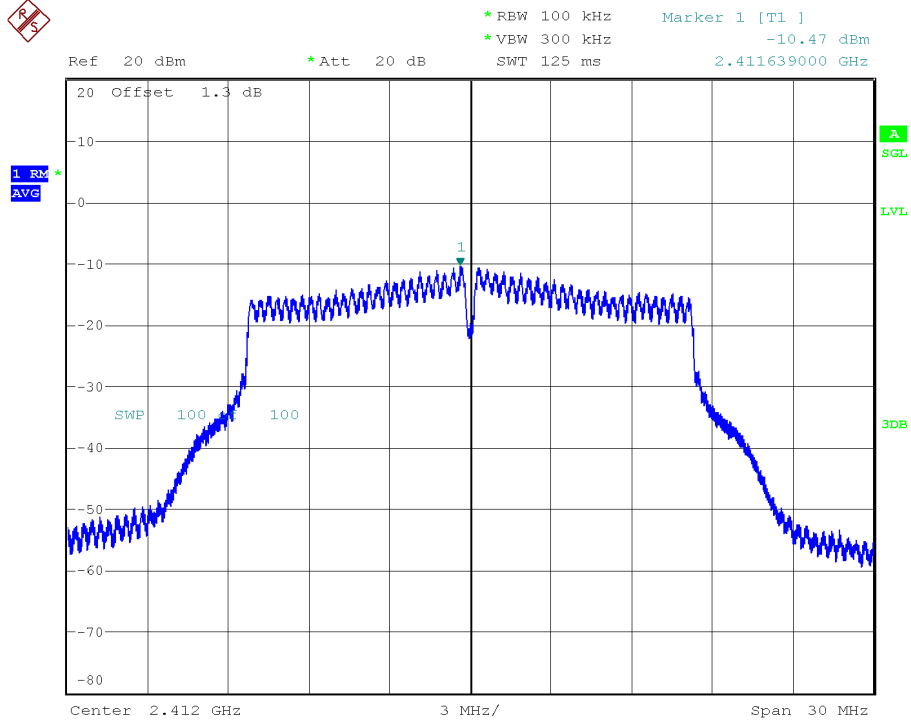
- High Channel:



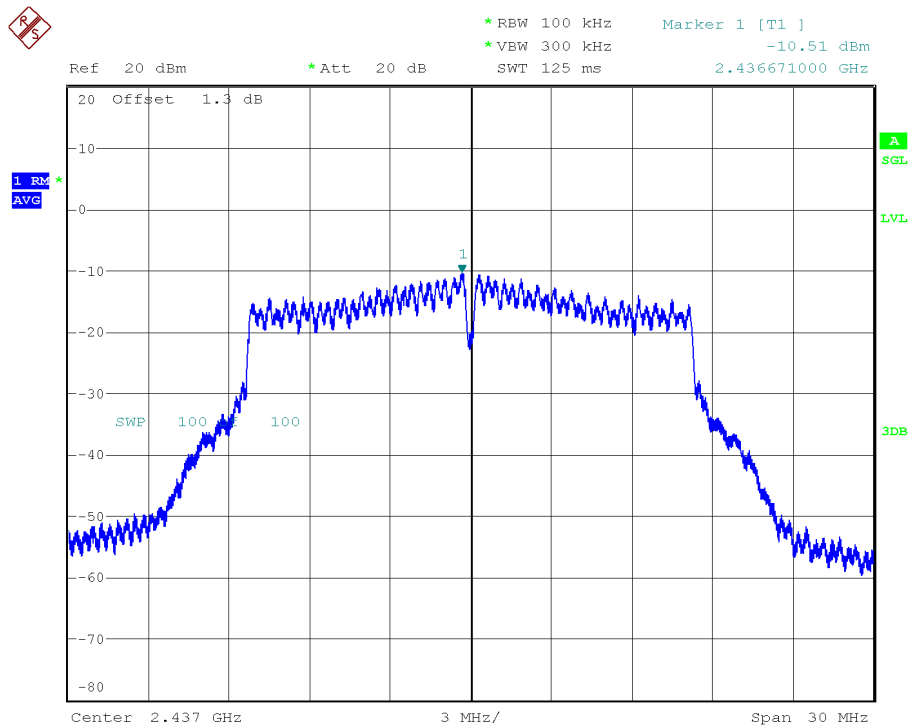
SISO CORE1_Port4 Antenna:

- Mode 802.11 g – Power Spectral Density

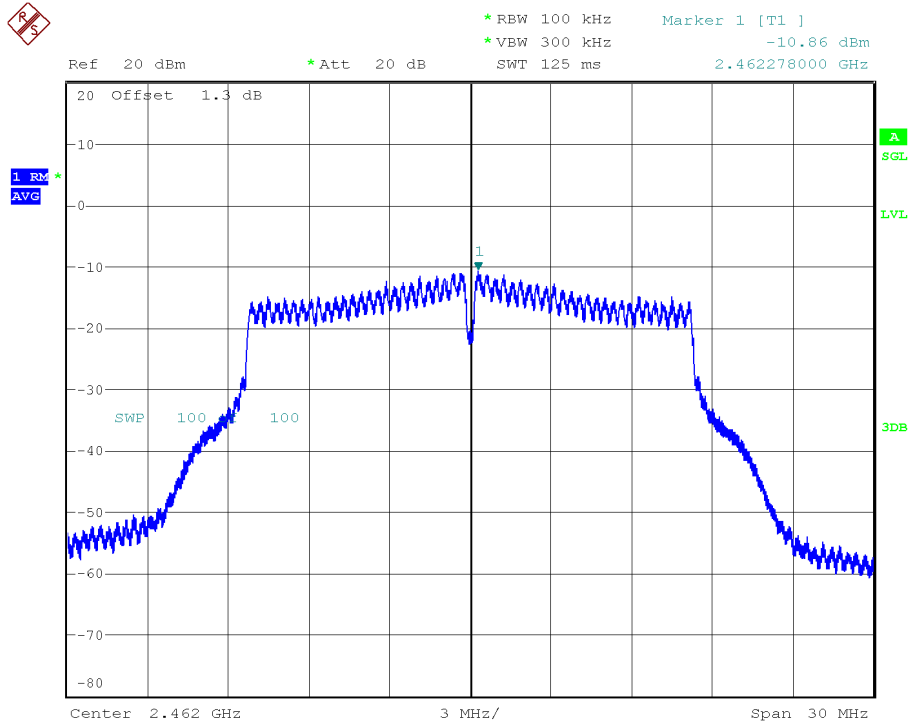
- Low Channel:



- Middle Channel:



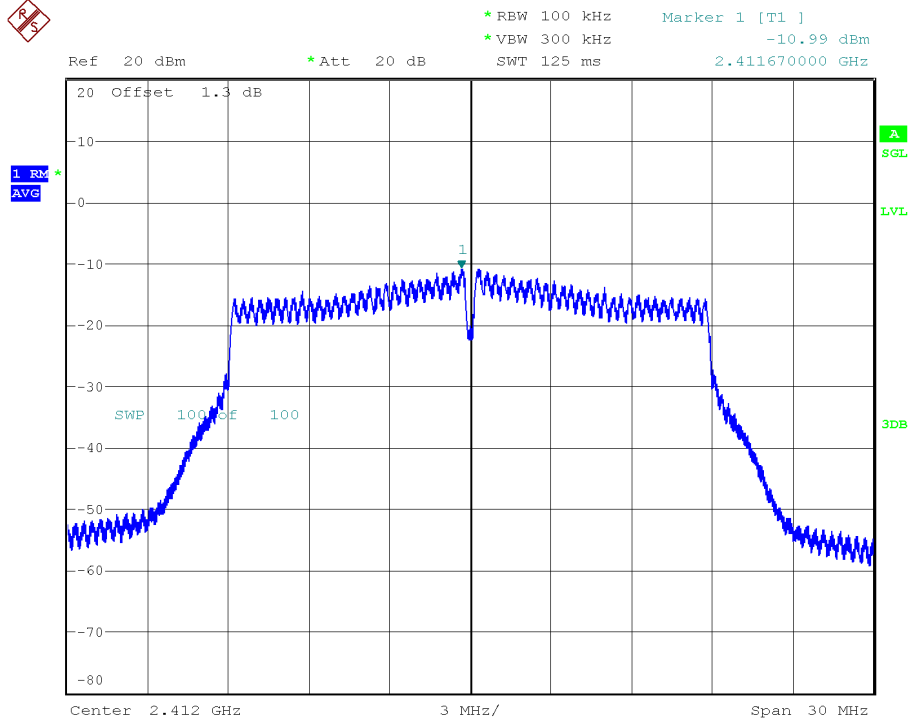
- High Channel:



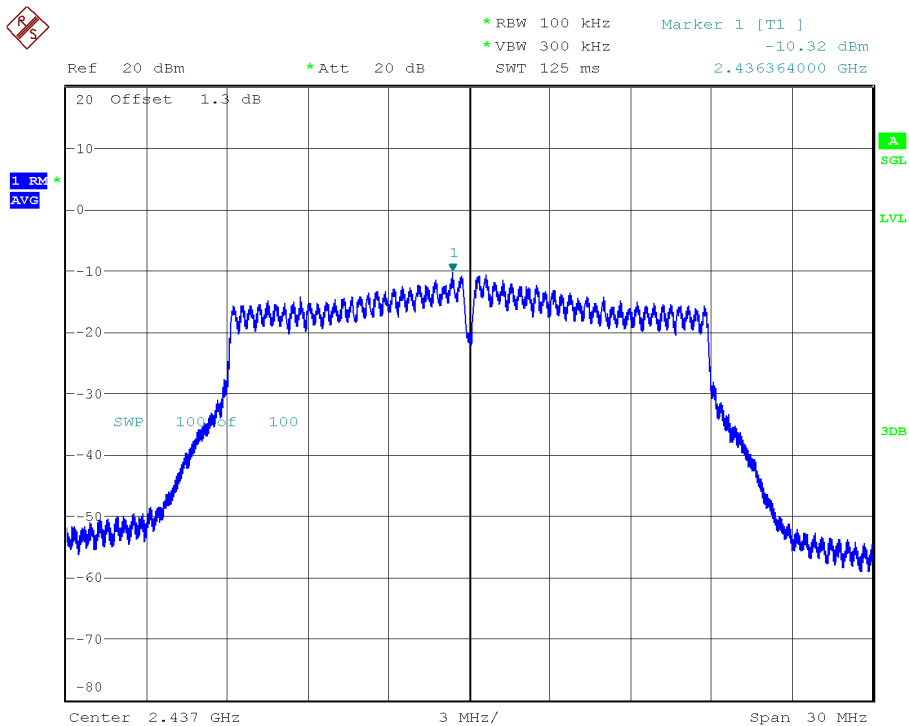
SISO CORE1_Port4 Antenna:

- Mode 802.11 n20 – Power Spectral Density

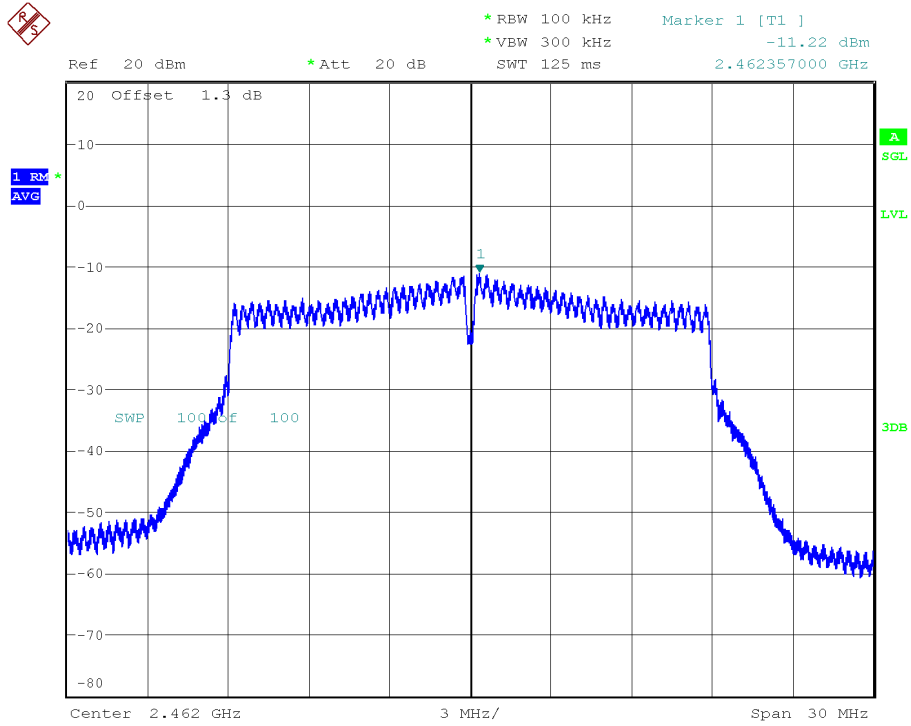
- Low Channel:



- Middle Channel:



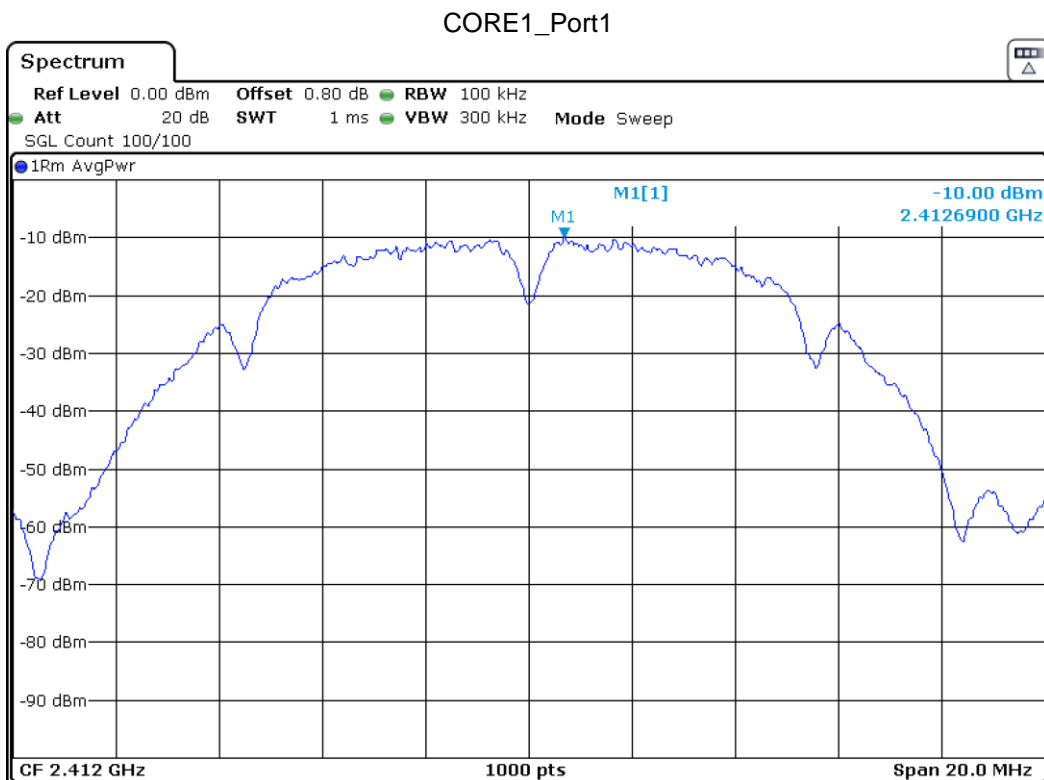
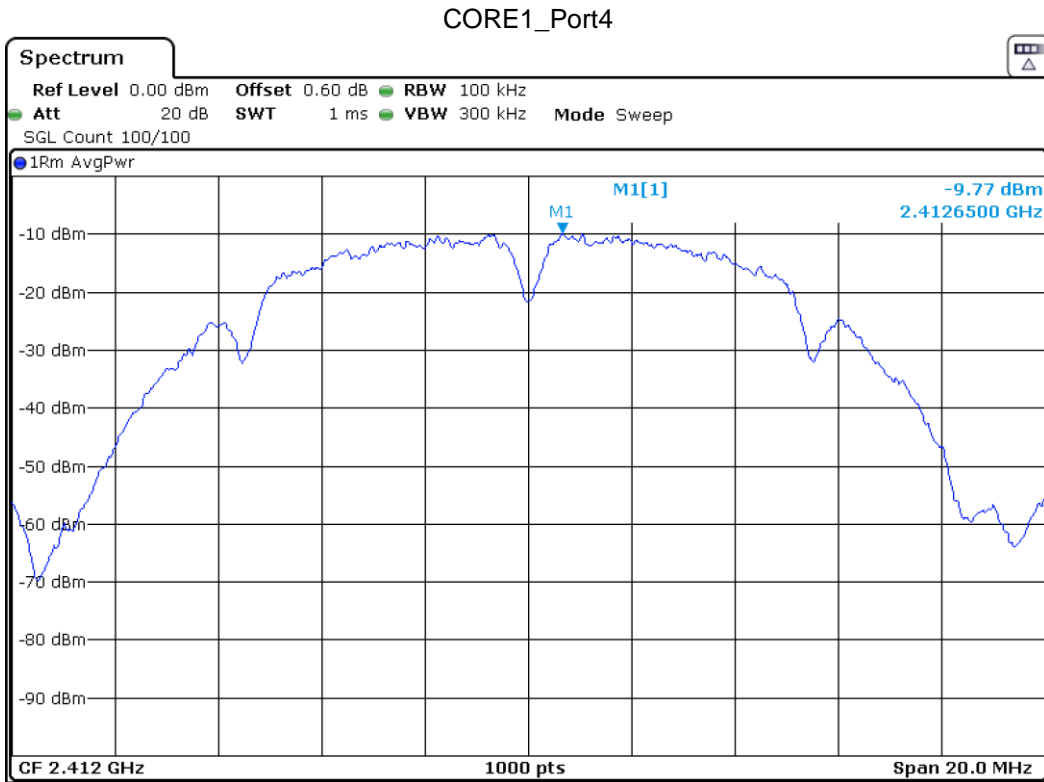
- High Channel:



MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

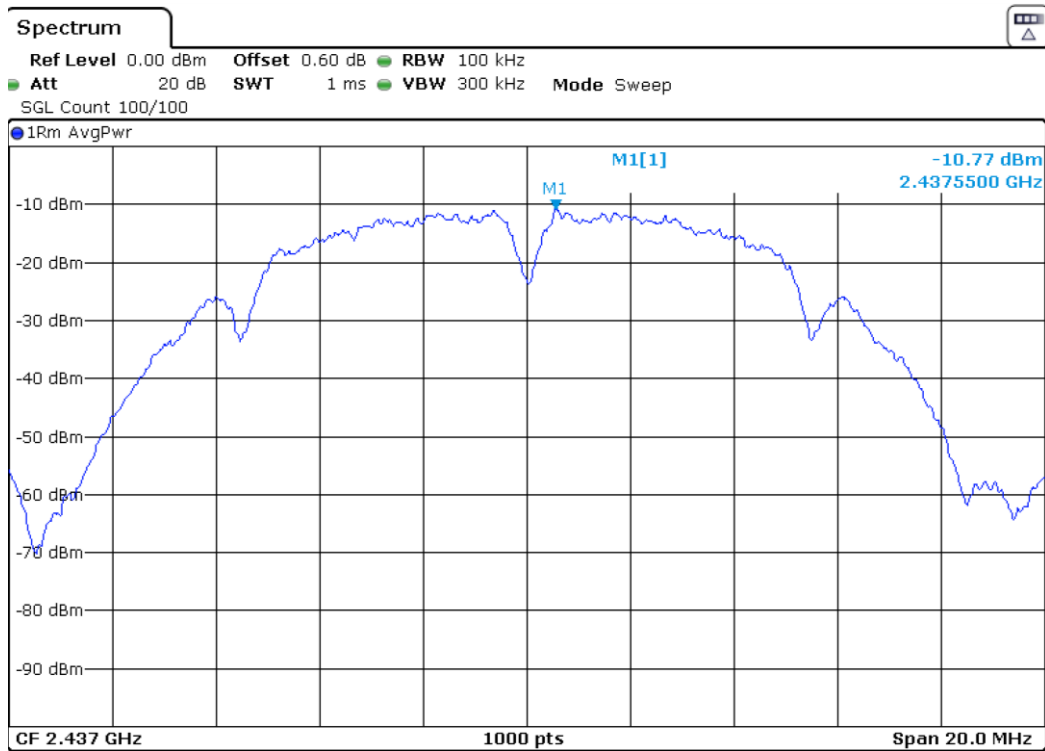
- Mode 802.11 b – Power Spectral Density

- Low Channel:

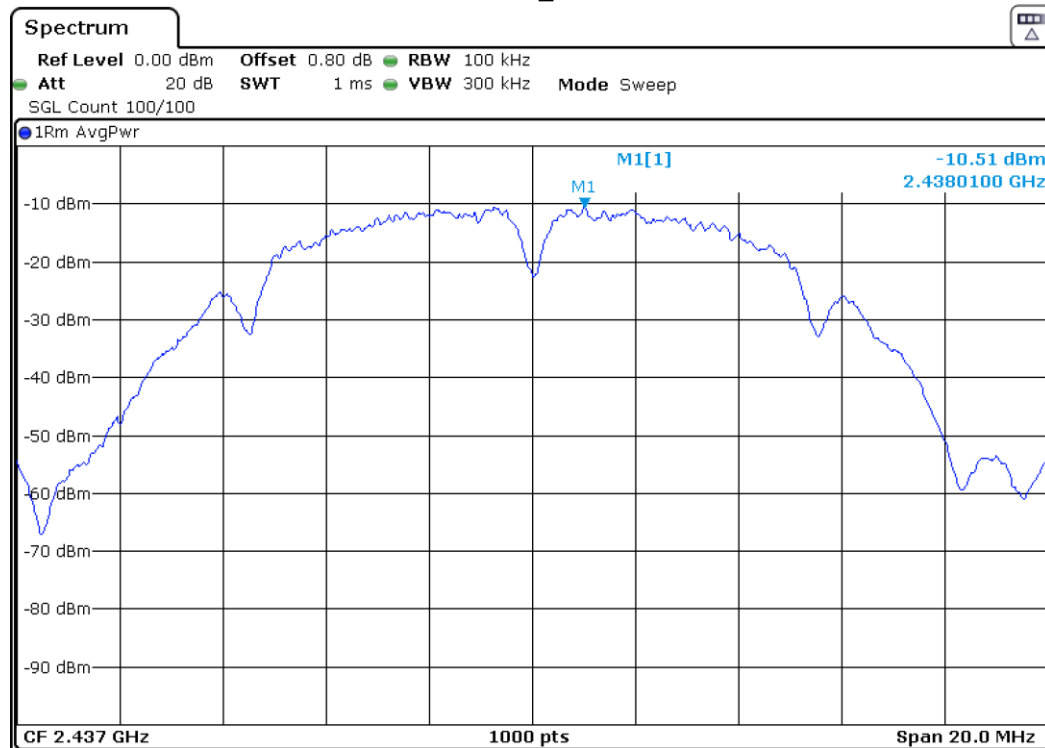


- Middle Channel:

CORE1_Port4

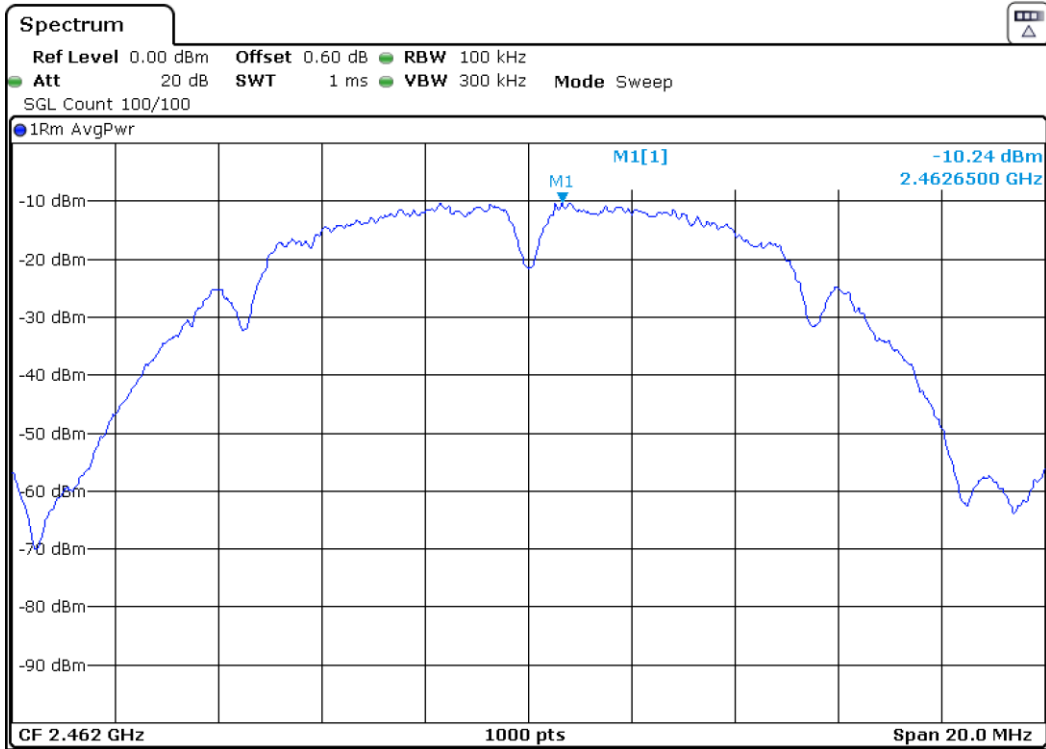


CORE1_Port1

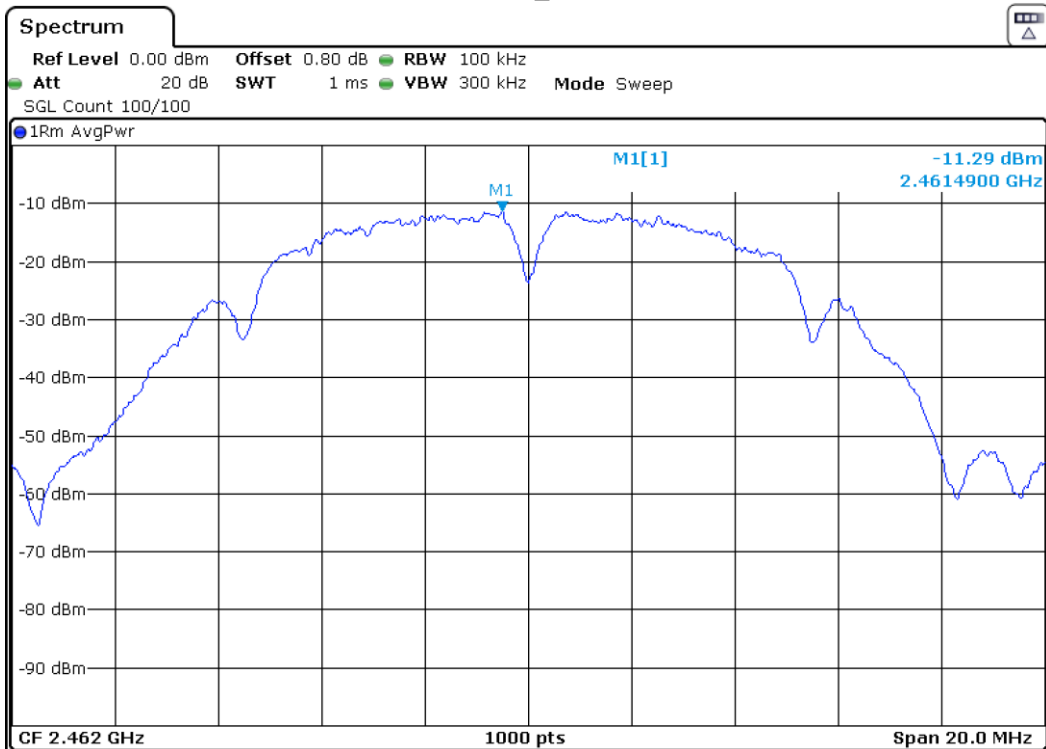


- High Channel:

CORE1_Port4



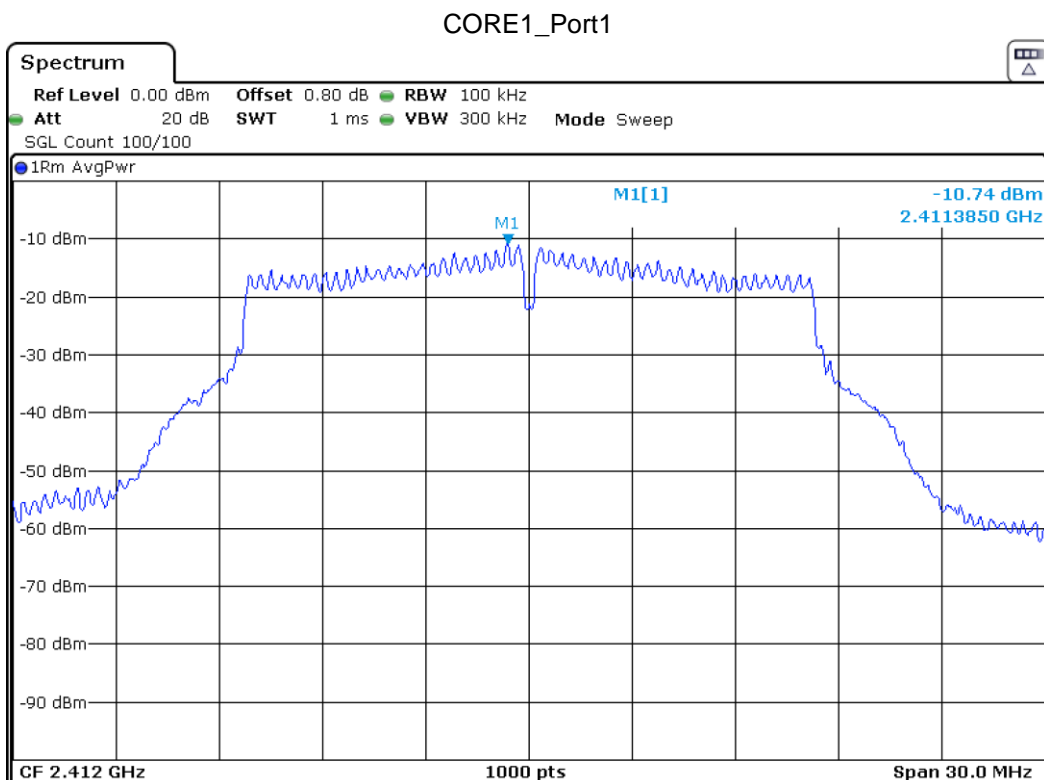
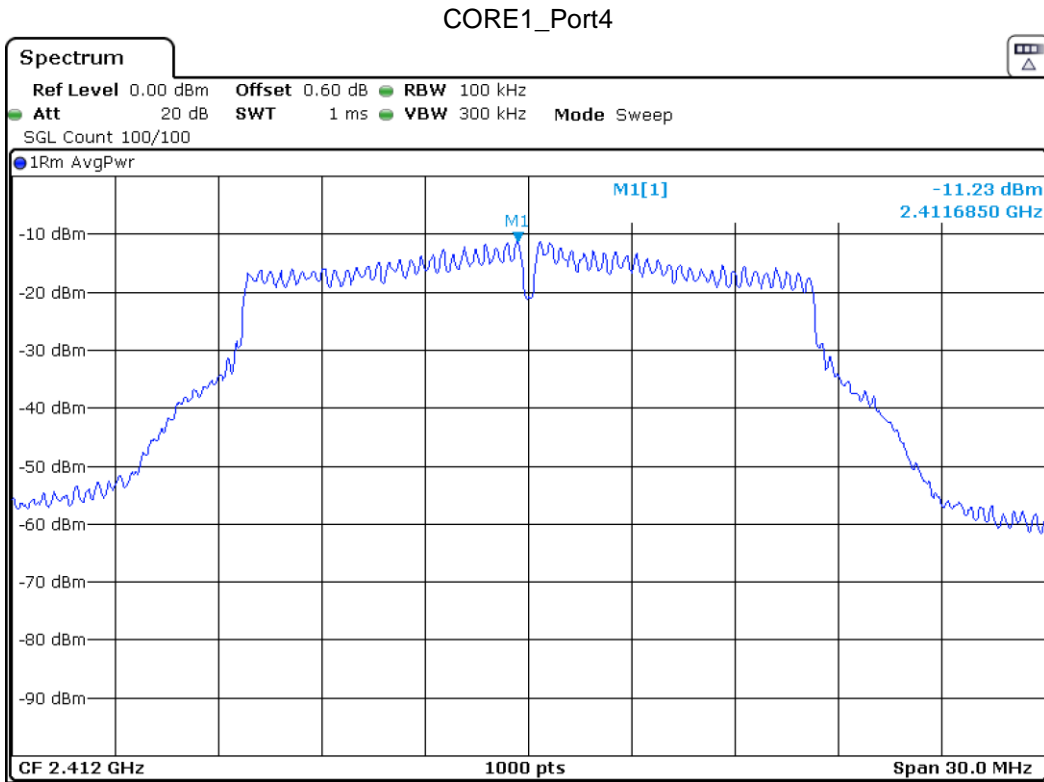
CORE1_Port1



MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

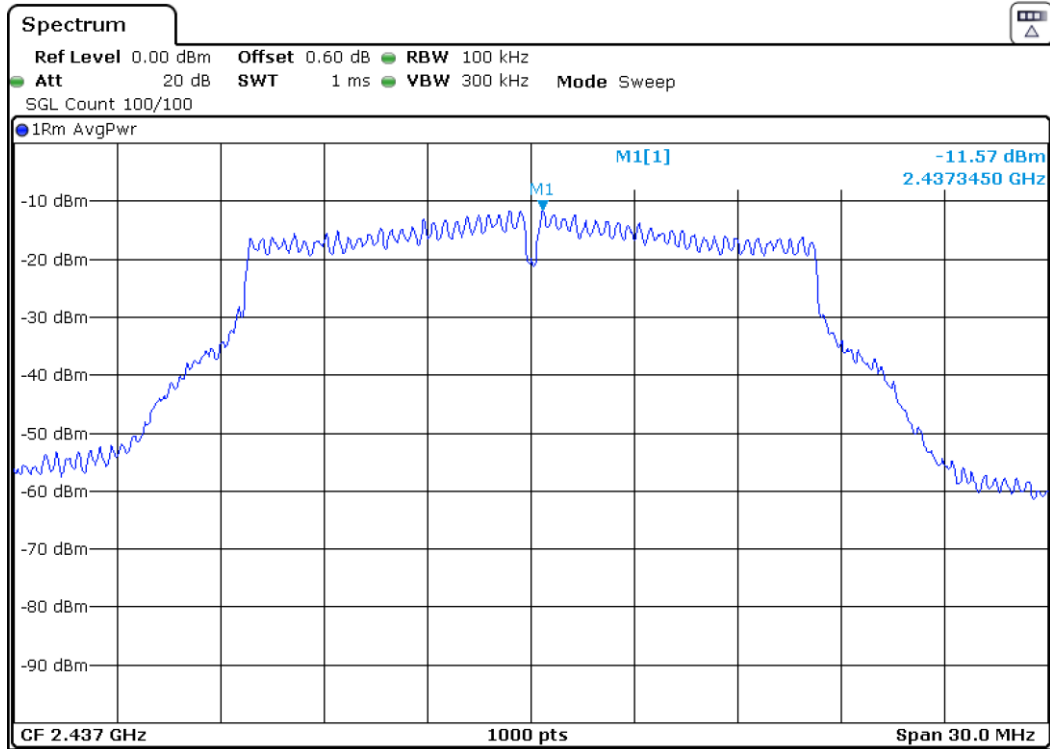
- Mode 802.11 g – Power Spectral Density

- Low Channel:

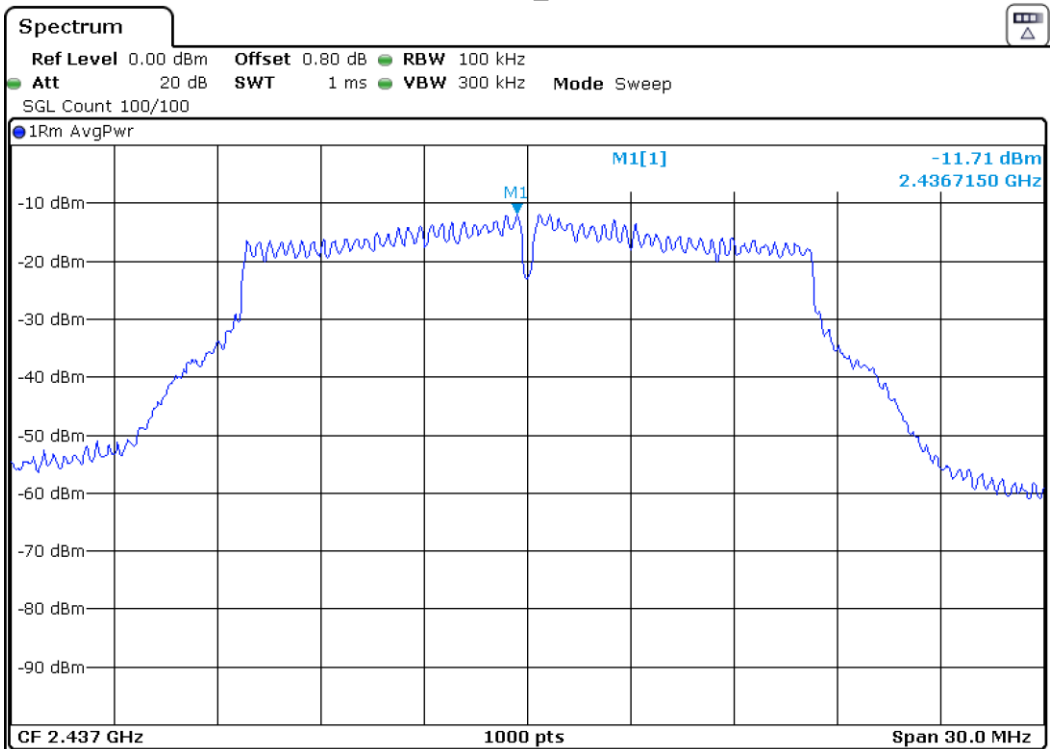


- Middle Channel:

CORE1_Port4

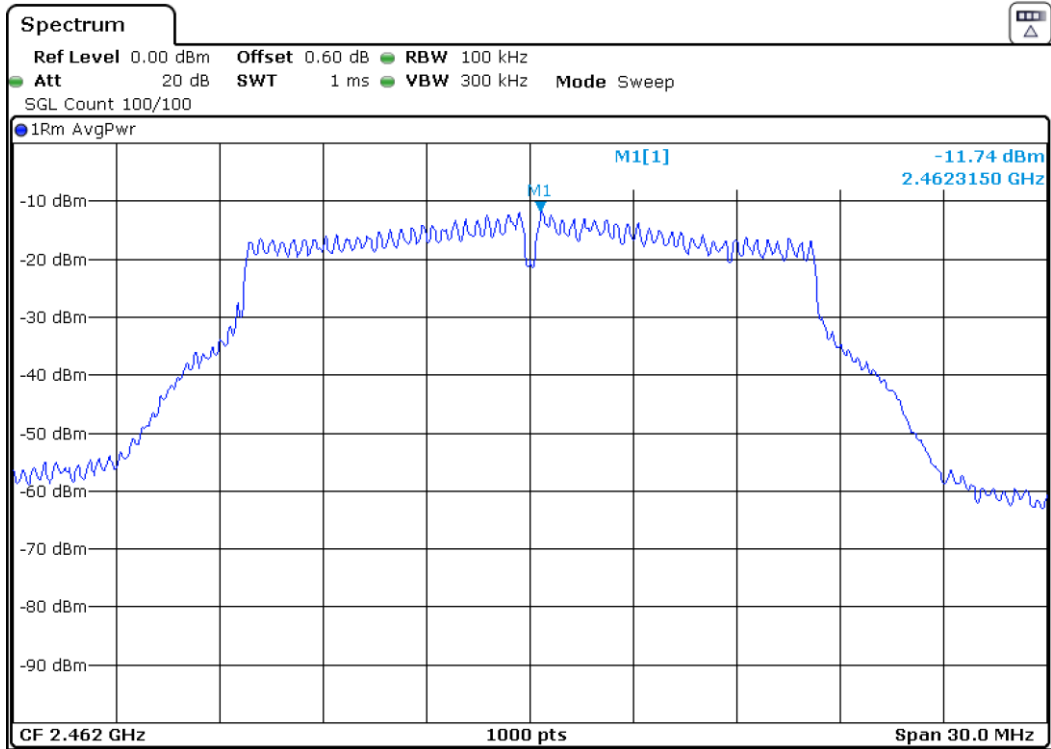


CORE1_Port1

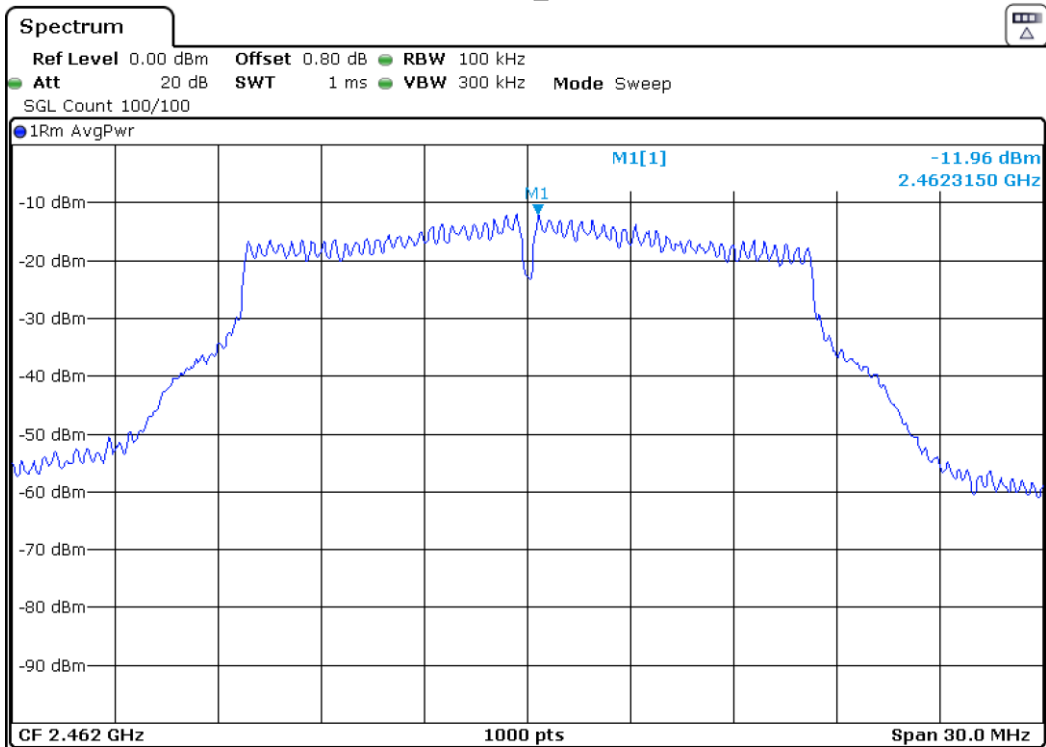


- High Channel:

CORE1_Port4



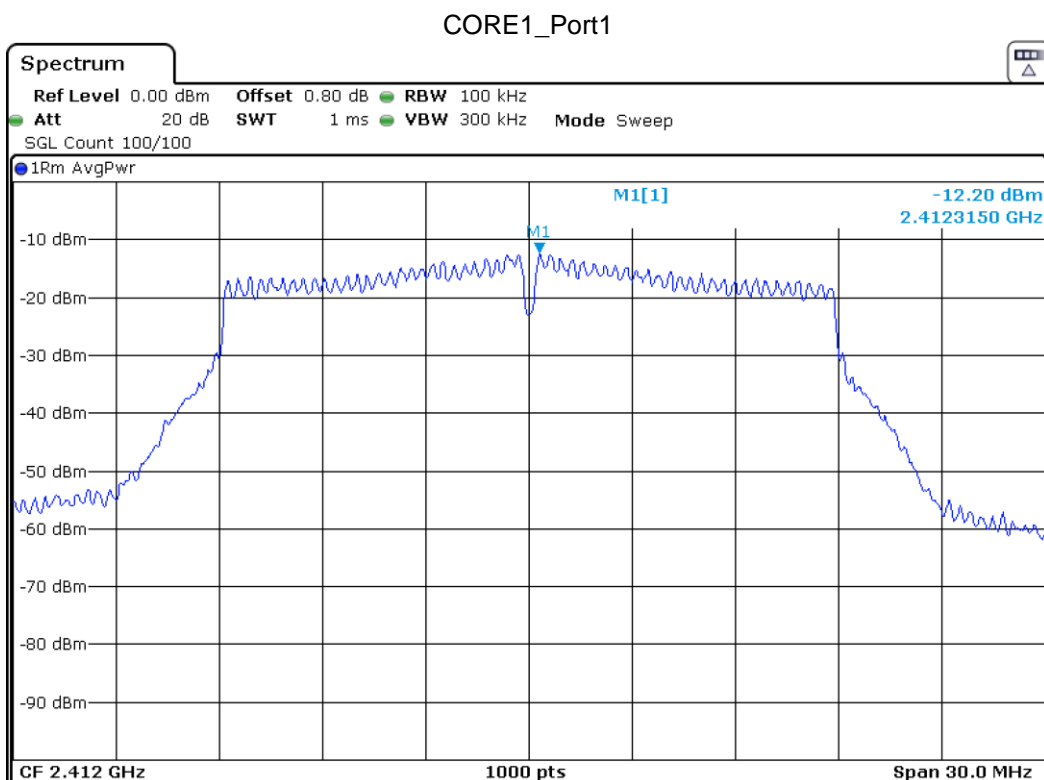
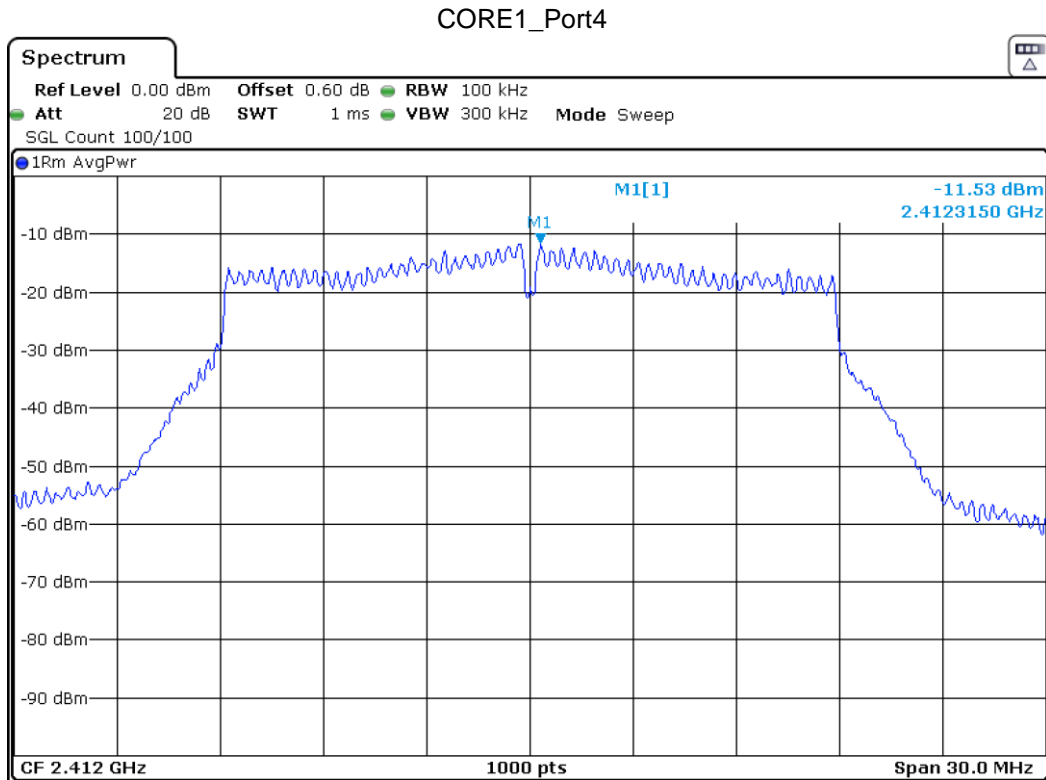
CORE1_Port1



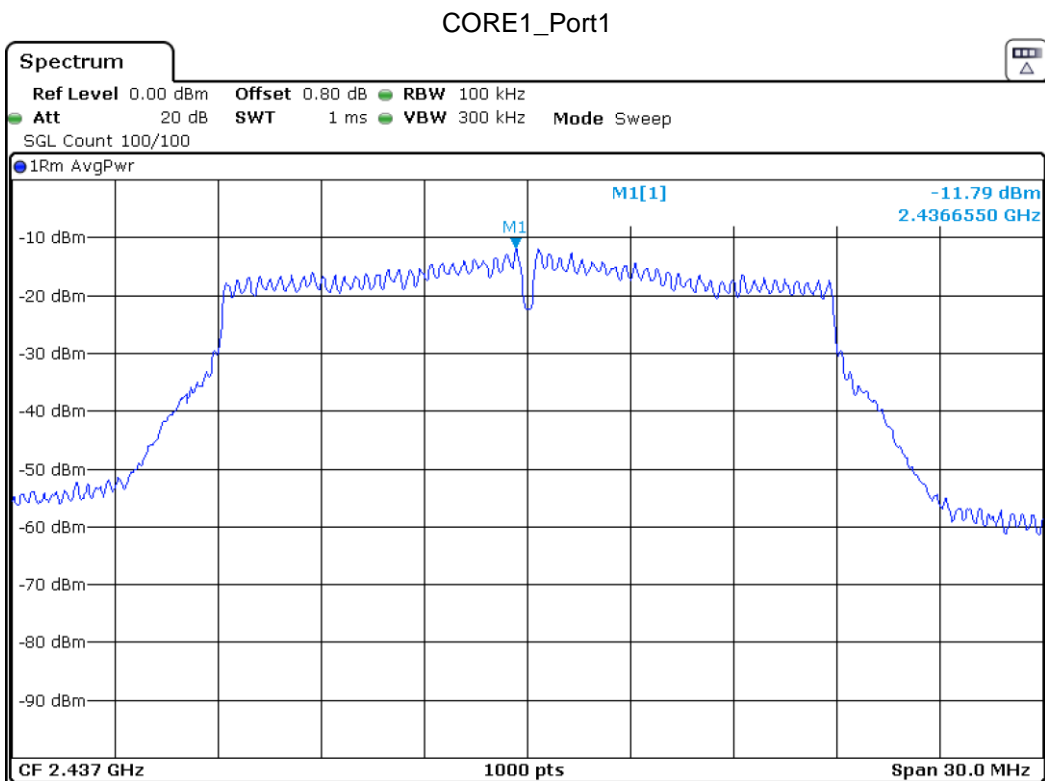
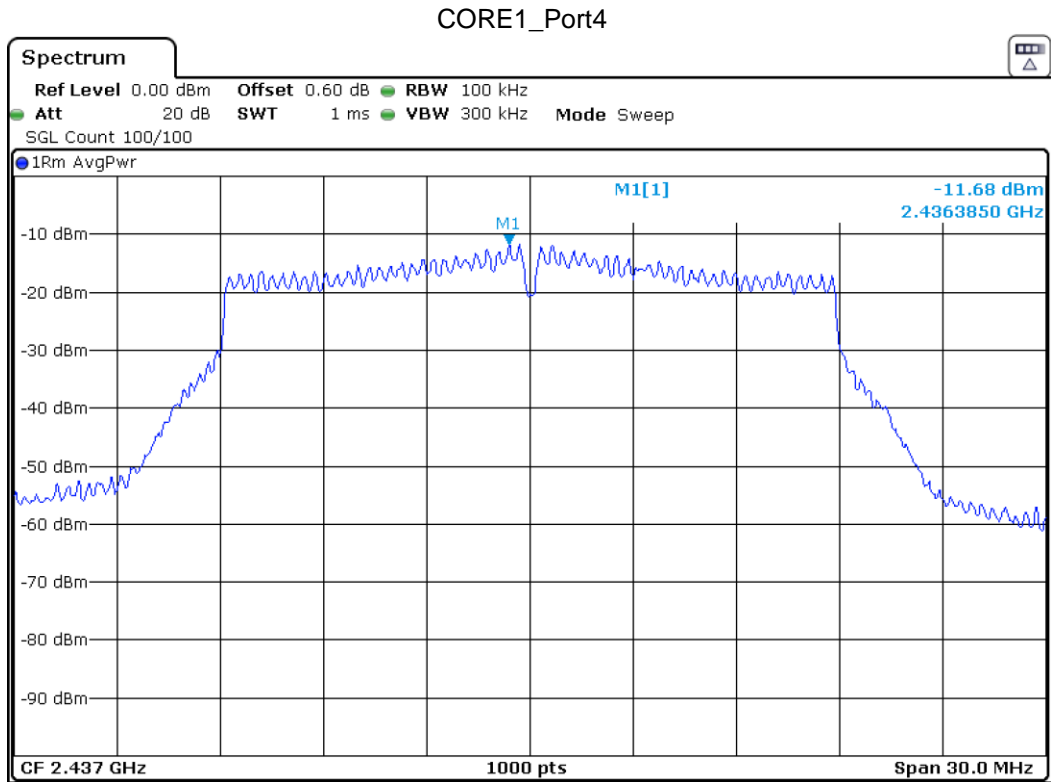
MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

- Mode 802.11 n20 – Power Spectral Density

- Low Channel:

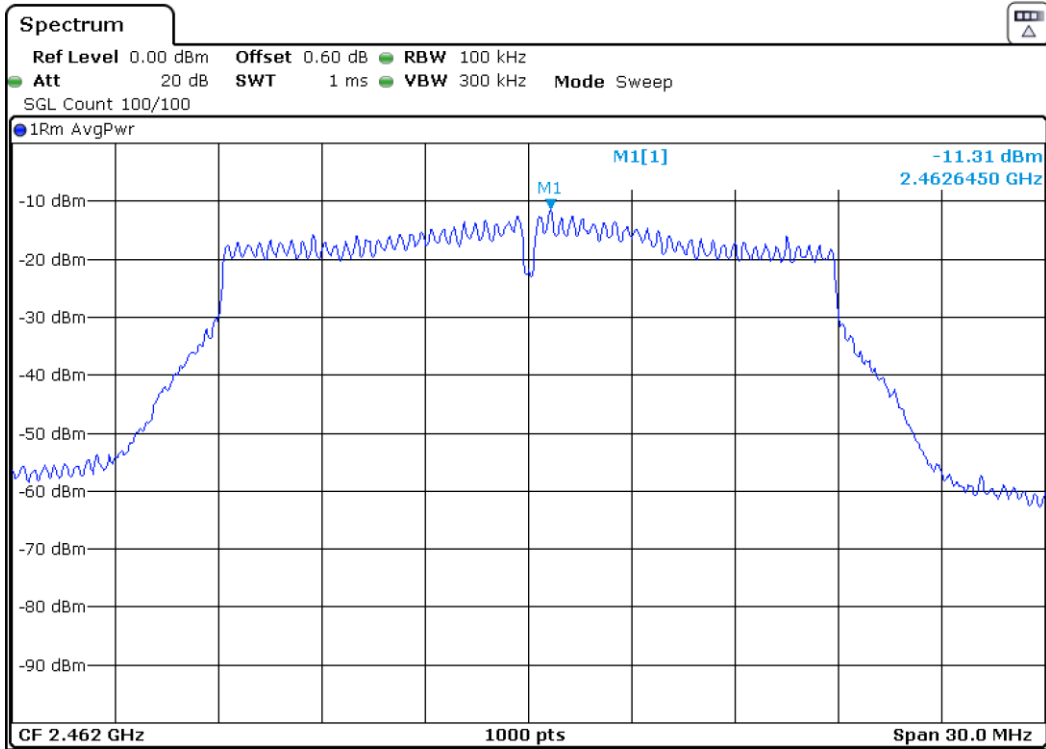


- Middle Channel:

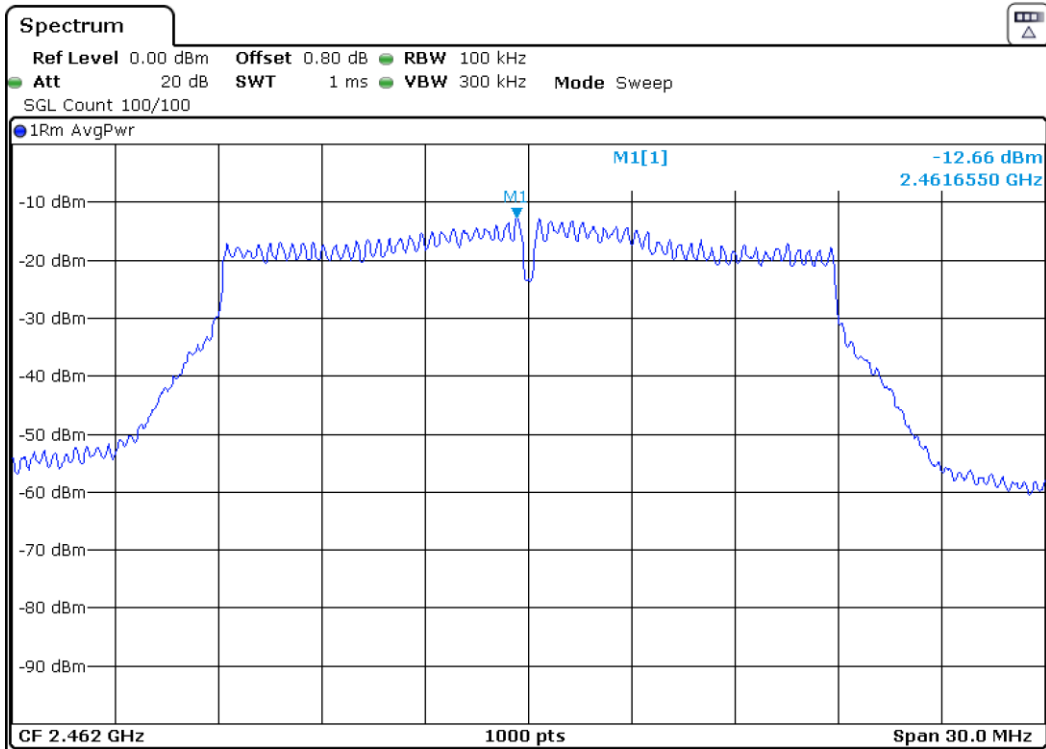


- High Channel:

CORE1_Port4



CORE1_Port1



FCC Section 15.247 Subclause (d) / RSS-247 Clause 5.5. Emission limitations radiated (Transmitter)

SPECIFICATION:

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c) / RSS-Gen):

Frequency Range (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

All tests were performed in a semi-anechoic chamber at a distance of 3 m for the frequency range 30 MHz-1000 MHz and at distance of 1m for the frequency range 1 GHz-26 GHz.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

SISO CORE1_Port4 Antenna:

Frequency range 30 MHz - 1 GHz:

The spurious frequencies do not depend neither on the operating channel nor the modulation mode.

Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (MHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
32.344	Quasi peak	27.1	V	< \pm 3.81
70.789	Quasi peak	30.8	V	< \pm 3.81
87.052	Quasi peak	26.6	V	< \pm 3.81
93.325	Quasi peak	26.4	V	< \pm 3.81
125.012	Quasi peak	27.9	V	< \pm 3.81
143.7	Quasi peak	27.9	V	< \pm 3.81
186.833	Quasi peak	26.9	V	< \pm 3.81
212.538	Quasi peak	27.6	V	< \pm 3.81
250.012	Quasi peak	37.1	V	< \pm 3.81
375.013	Quasi peak	34.5	V	< \pm 3.81
496.877	Quasi peak	27.8	V	< \pm 3.81
875.016	Quasi peak	30.2	H	< \pm 3.81

- **Mode 802.11 b**

Frequency range 1 - 26 GHz:

The results in the next tables show the maximum measured levels in the 1-26 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious signals with peak levels above the average limit (54 dB μ V/m at 3 m) are measured with average detector for checking compliance with the average limit.

- LOW CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.064033	Peak	48.39	H	< \pm 2.78
1.125166	Peak	45.66	V	< \pm 2.78
2.132367	Peak	50.16	V	< \pm 2.78
5.64577	Peak	40.41	V	< \pm 4.72
6.3677	Peak	49.09	V	< \pm 4.72
8.5055	Peak	50.46	V	< \pm 4.72
10.63163	Peak	50.34	V	< \pm 4.72

- MIDDLE CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.000167	Peak	44.47	V	< \pm 2.78
1.0643	Peak	47.4	V	< \pm 2.78
2.132567	Peak	50.61	V	< \pm 2.78
4.9999	Peak	37.46	V	< \pm 4.72
6.38543	Peak	48.78	V	< \pm 4.72
8.49057	Peak	46.01	V	< \pm 4.72
10.64097	Peak	51.34	V	< \pm 4.72

- HIGH CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.000167	Peak	43.81	V	< \pm 2.78
1.124833	Peak	43.79	V	< \pm 2.78
5.00037	Peak	37.36	H	< \pm 4.72
5.6453	Peak	40.24	V	< \pm 4.72
6.36957	Peak	49.47	V	< \pm 4.72
8.49197	Peak	47.52	V	< \pm 4.72
10.6419	Peak	49.64	V	< \pm 4.72

Verdict: PASS

OFDM modes:

For spurious emissions in the range 30 MHz - 26 GHz (except field strength at the band edges that was performed for all modes) a preliminary scan was performed to determine the worst case mode. Herein the results for the worst case mode: 802.11g.

Spurious emissions in the Restricted Bands 2.31-2.39 GHz and 2.4835-2.5 GHz are measured for all modes.

- **Mode 802.11 g (OFDM worst case for spurious emissions)**

Frequency range 1 - 26 GHz:

The results in the next tables show the maximum measured levels in the 1-26 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious signals with peak levels above the average limit (54 dBµV/m at 3 m) are measured with average detector for checking compliance with the average limit.

- LOW CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dBµV/m)	Polarization	Measurement Uncertainty (dB)
1.063367	Peak	50.3	V	<±2.78
1.12530	Peak	46.24	V	<±2.78
1.249967	Peak	44.65	V	<±2.78
2.128767	Peak	50.79	H	<±2.78
2.3896493	Peak	51.57	H	<±2.78
4.9999	Peak	38.51	H	<±4.72
5.6453	Peak	40.26	H	<±4.72
6.37003	Peak	51.82	V	<±4.72
8.4985	Peak	44.89	V	<±4.72

- MIDDLE CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dBµV/m)	Polarization	Measurement Uncertainty (dB)
1.063567	Peak	43.56	V	<±2.78
1.125033	Peak	46.3	V	<±2.78
2.126833	Peak	51.27	H	<±2.78
4.9999	Peak	38.43	H	<±4.72
5.99997	Peak	40.29	V	<±4.72
6.3929	Peak	44.45	V	<±4.72
8.49663	Peak	50.61	V	<±4.72

- HIGH CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.125167	Peak	45.05	V	< \pm 2.78
1.2501	Peak	43.3	V	< \pm 2.78
2.130633	Peak	52.64	V	< \pm 2.78
2.48405193	Peak	49.67	H	< \pm 2.78
4.9999	Peak	38.49	H	< \pm 4.72
5.6453	Peak	38.59	H	< \pm 4.72
6.39663	Peak	46.35	V	< \pm 4.72
8.50177	Peak	49.04	V	< \pm 4.72

Verdict: PASS

- **Mode 802.11 n20**

The results in the next tables show the maximum measured levels in the Restricted Bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious frequencies with peak levels above the average limit (54 dB μ V/m at 3 m) are measured with average detector for checking compliance with the average limit.

- LOW CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
2.3893507	Peak	53.61	H	< \pm 2.78

- HIGH CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
2.48405028	Peak	49.25	H	< \pm 2.78

Verdict: PASS

MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

Frequency range 30 MHz - 1 GHz:

The spurious frequencies do not depend neither on the operating channel nor the modulation.

Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (MHz)	Detector	Emission Level (dBµV/m)	Polarization	Measurement Uncertainty (dB)
70.336	Quasi peak	34.9	V	<± 3.88
95.265	Quasi peak	33.5	V	<± 3.88
375.013	Quasi peak	37.2	H	<± 3.88

- **Mode 802.11 b**

Frequency range 1 - 26 GHz:

The results in the next tables show the maximum measured levels in the 1-26 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious signals with peak levels above the average limit (54 dBµV/m at 3 m) are measured with average detector for checking compliance with the average limit.

- LOW CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dBµV/m)	Polarization	Measurement Uncertainty (dB)
1.0001	Peak	48.56	V	<±2.78
1.124967	Peak	44.74	V	<±2.78
2.1241	Peak	50.1	V	<±2.78
6.3887	Peak	48.48	V	<±4.72
10.6251	Peak	50.79	V	<±4.72
22.58165	Peak	39.46	V	<±4.72

- MIDDLE CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dBµV/m)	Polarization	Measurement Uncertainty (dB)
1.000233	Peak	48.02	V	<±2.78
1.0631	Peak	44.31	V	<±2.78
1.125167	Peak	46.4	V	<±2.78
1.250033	Peak	45.34	V	<±2.78
2.125367	Peak	49.13	V	<±2.78
5.6456	Peak	39.56	V	<±4.72
6.39663	Peak	46.91	V	<±4.72
10.6391	Peak	52.61	V	<±4.72

- HIGH CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.0001	Peak	46.76	V	< \pm 2.78
1.125033	Peak	45.15	V	< \pm 2.78
2.132567	Peak	50.01	H	< \pm 2.78
5.6453	Peak	38.95	V	< \pm 4.72
6.36957	Peak	49.75	V	< \pm 4.72

Verdict: PASS

OFDM modes:

For spurious emissions in the range 30 MHz - 26 GHz (except field strength at the band edges that was performed for all modes) a preliminary scan was performed to determine the worst case mode. Herein the results for the worst case mode: 802.11g.

Spurious emissions in the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz are measured for all modes.

- **Mode 802.11 g (OFDM worst case for spurious emissions)**

Frequency range 1 - 26 GHz:

The results in the next tables show the maximum measured levels in the 1-26 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious frequencies with peak levels above the average limit (54 dB μ V/m at 3 m) are measured with average detector for checking compliance with the average limit.

- LOW CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.0001	Peak	45.33	V	< \pm 2.78
1.124967	Peak	44.62	V	< \pm 2.78
1.2501	Peak	45.27	V	< \pm 2.78
2.132567	Peak	50.47	V	< \pm 2.78
2.3892413	Peak	56.69	V	< \pm 2.78
	Average	43.21		< \pm 2.78
5.6453	Peak	39.1	V	< \pm 4.72

- MIDDLE CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.000433	Peak	46.1	V	< \pm 2.78
1.1251	Peak	46.43	V	< \pm 2.78
1.2501	Peak	44.1	V	< \pm 2.78
2.131367	Peak	49.35	H	< \pm 2.78

- HIGH CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
1.0001	Peak	46.05	V	< \pm 2.78
1.0637	Peak	46.39	V	< \pm 2.78
1.1251	Peak	46.35	V	< \pm 2.78
1.2501	Peak	44.2	V	< \pm 2.78
2.123167	Peak	50.48	H	< \pm 2.78
2.48622058	Peak	51.95	H	< \pm 4.72
5.6453	Peak	37.79	H	< \pm 4.72

Verdict: PASS

- **Mode 802.11 n20**

The results in the next tables show the maximum measured levels in the Restricted Bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious frequencies with peak levels above the average limit (54 dB μ V/m at 3 m) are measured with average detector for checking compliance with the average limit.

- LOW CHANNEL. Spurious frequencies at less than 20 dB of the limit:

Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
2.389452	Peak	58.43	V	< \pm 2.78
	Average	44.39		

- HIGH CHANNEL. Spurious frequencies at less than 20 dB of the limit:

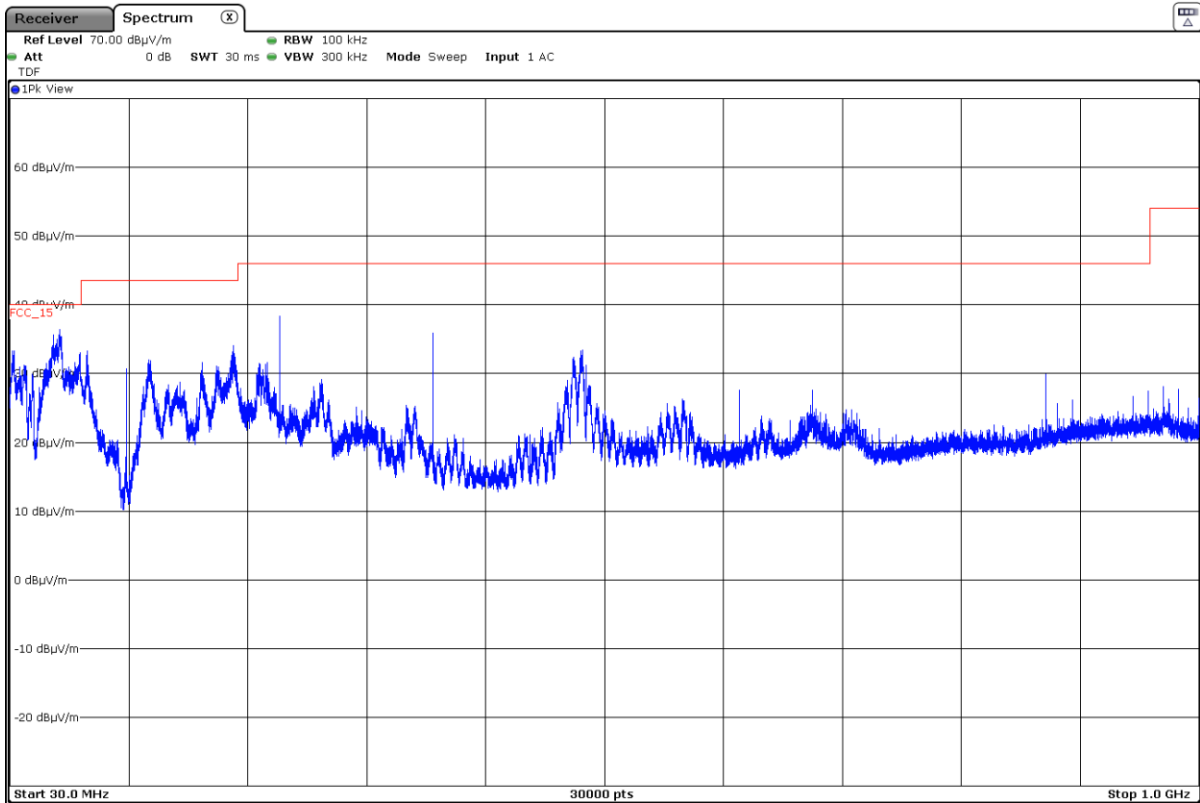
Spurious frequency (GHz)	Detector	Emission Level (dB μ V/m)	Polarization	Measurement Uncertainty (dB)
2.48411023	Peak	52.5	H	< \pm 2.78

Verdict: PASS

SISO CORE1_Port4 Antenna:

FREQUENCY RANGE 30 MHz - 1 GHz:

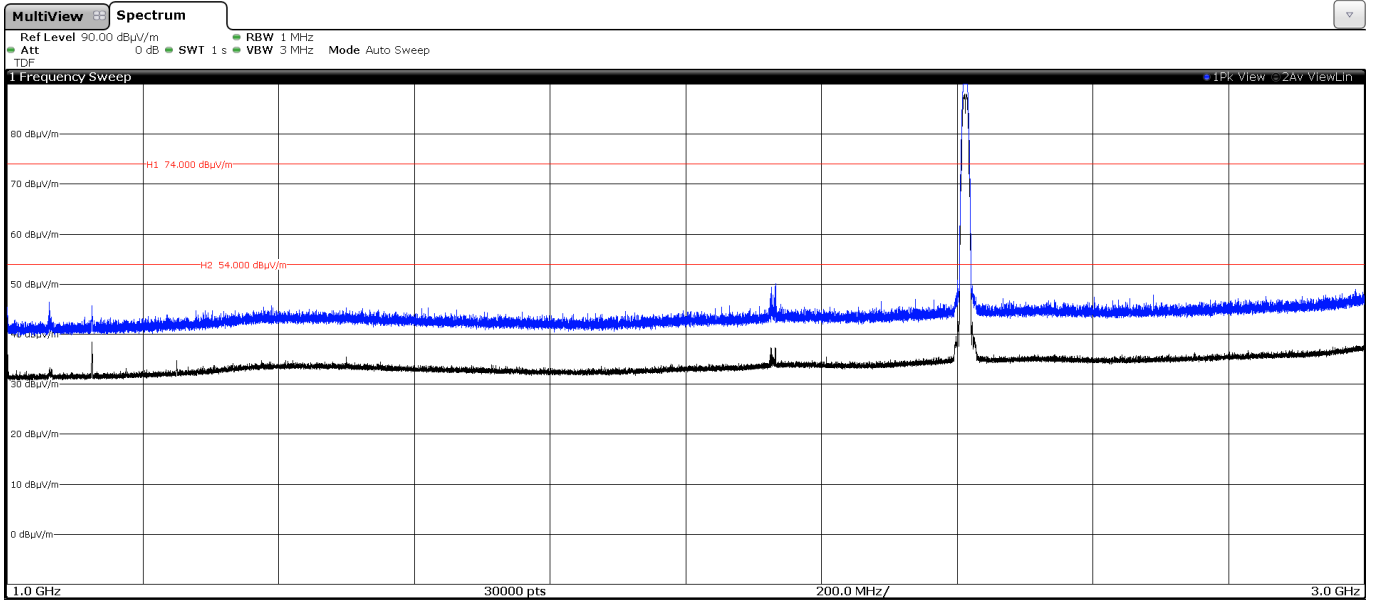
The spurious signals detected do not depend neither on the operating channel nor the modulation mode.



- **Mode 802.11 b**

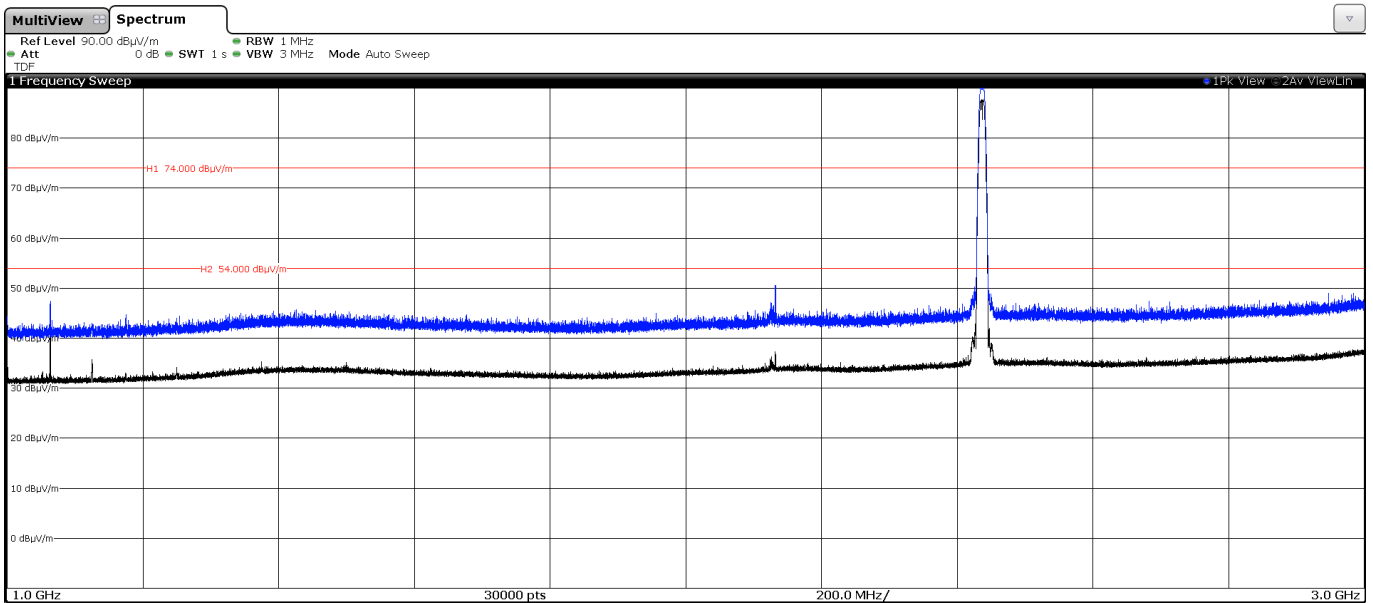
FREQUENCY RANGE 1 - 3 GHz:

- Low Channel:



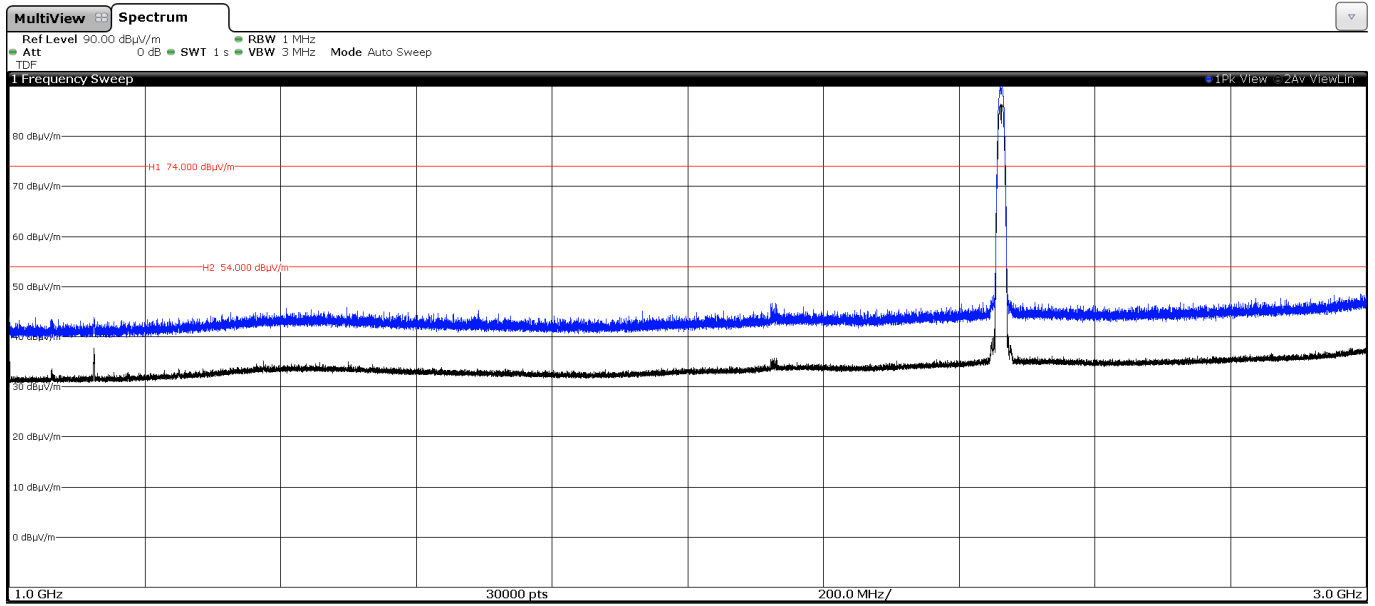
The peak above the limit is the carrier frequency.

- Middle Channel:



The peak above the limit is the carrier frequency.

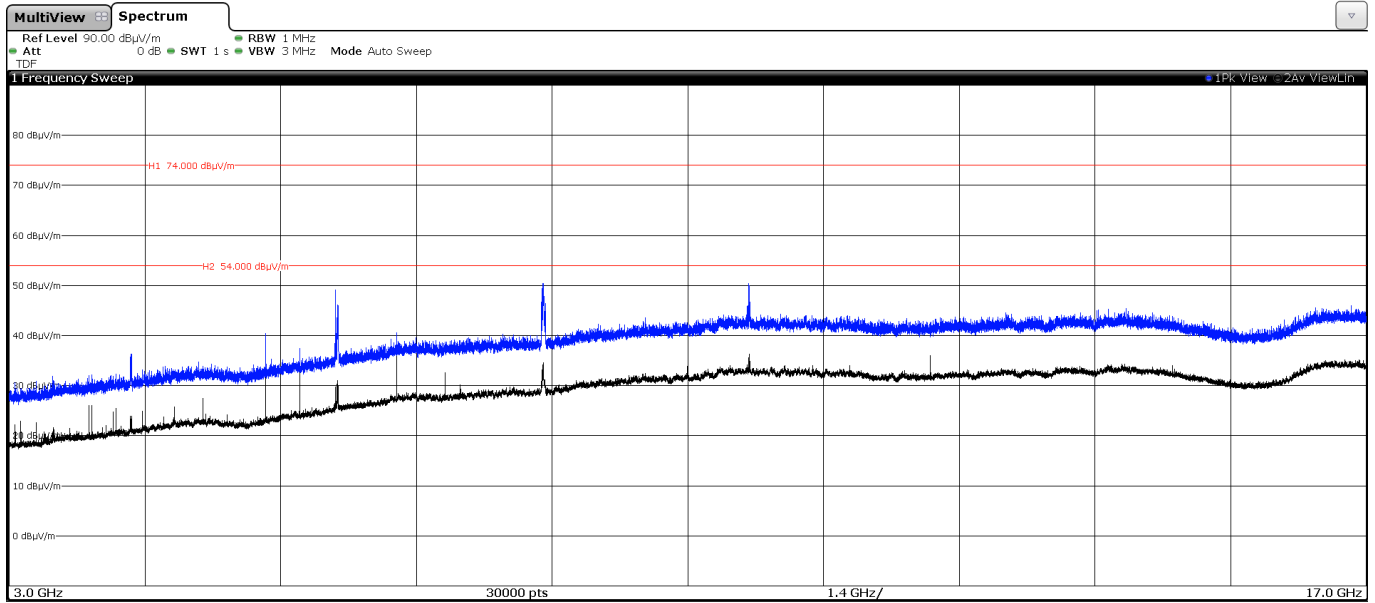
- High Channel:



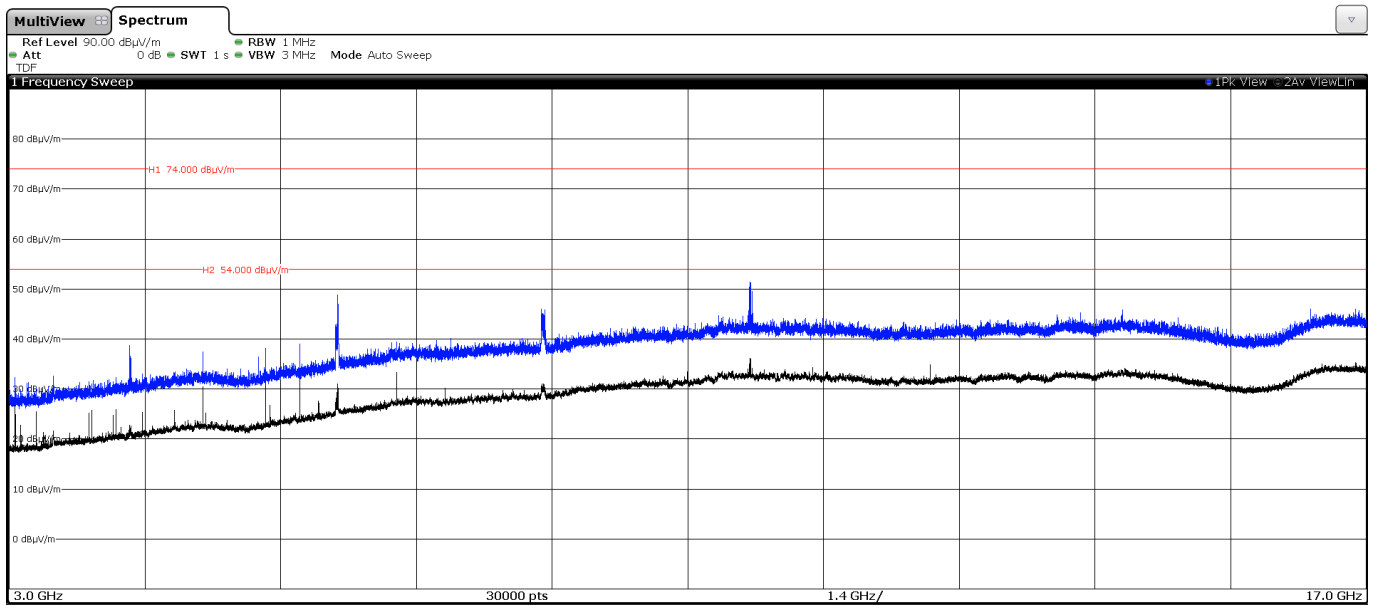
The peak above the limit is the carrier frequency.

FREQUENCY RANGE 3 - 17 GHz:

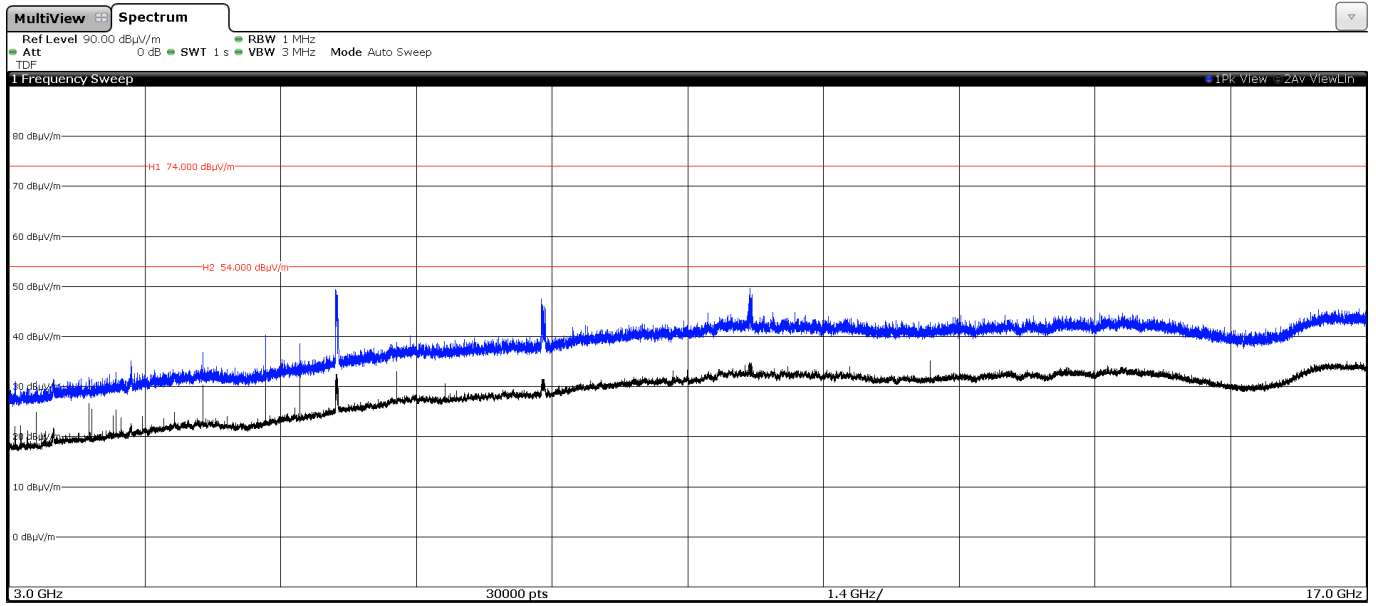
- Low Channel:



- Middle Channel:

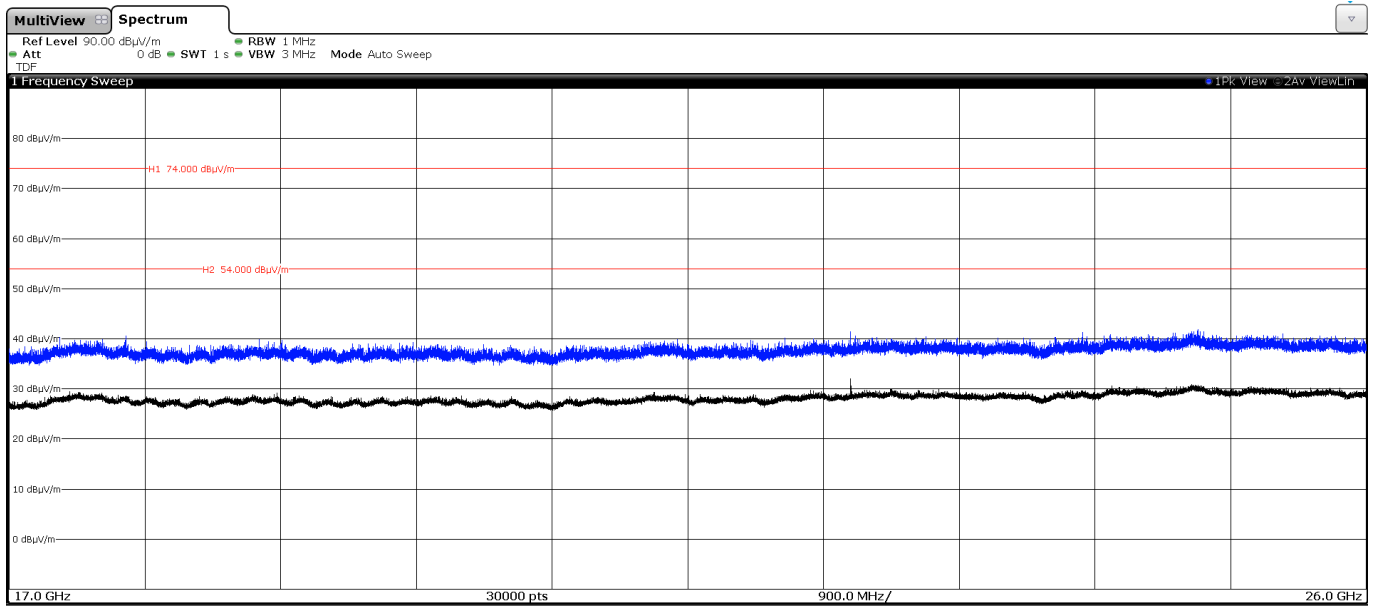


- High Channel:



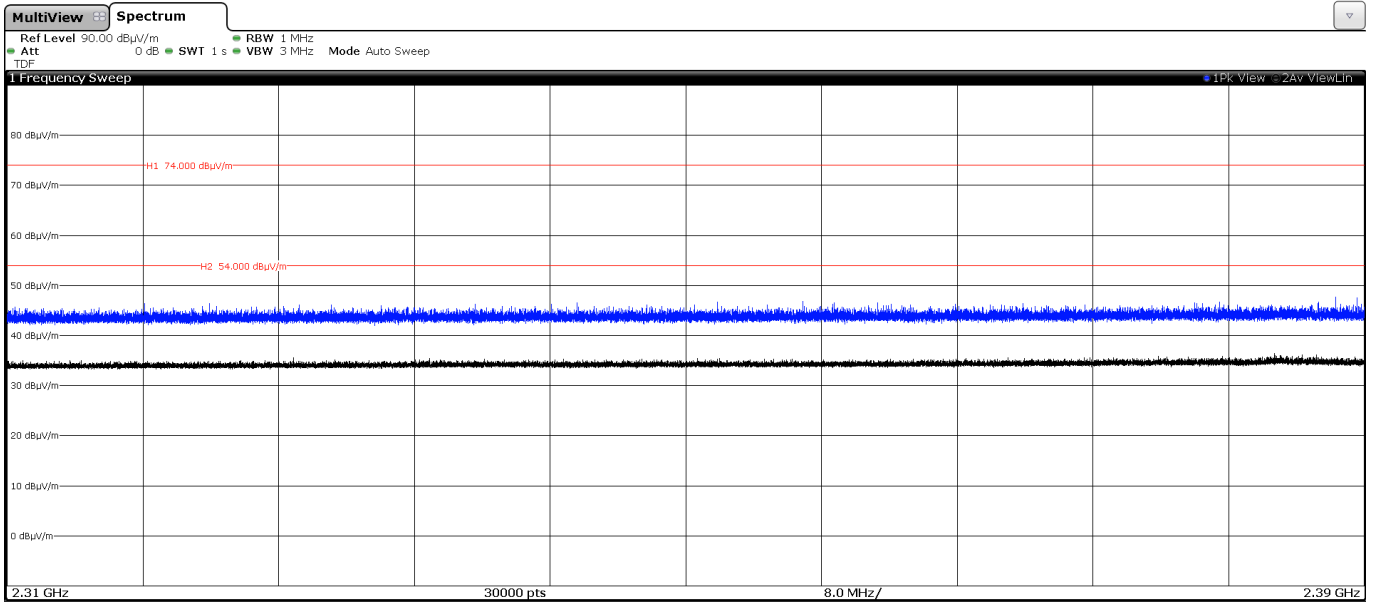
FREQUENCY RANGE 17 - 26 GHz:

The spurious signals detected do not depend on the operating channel.



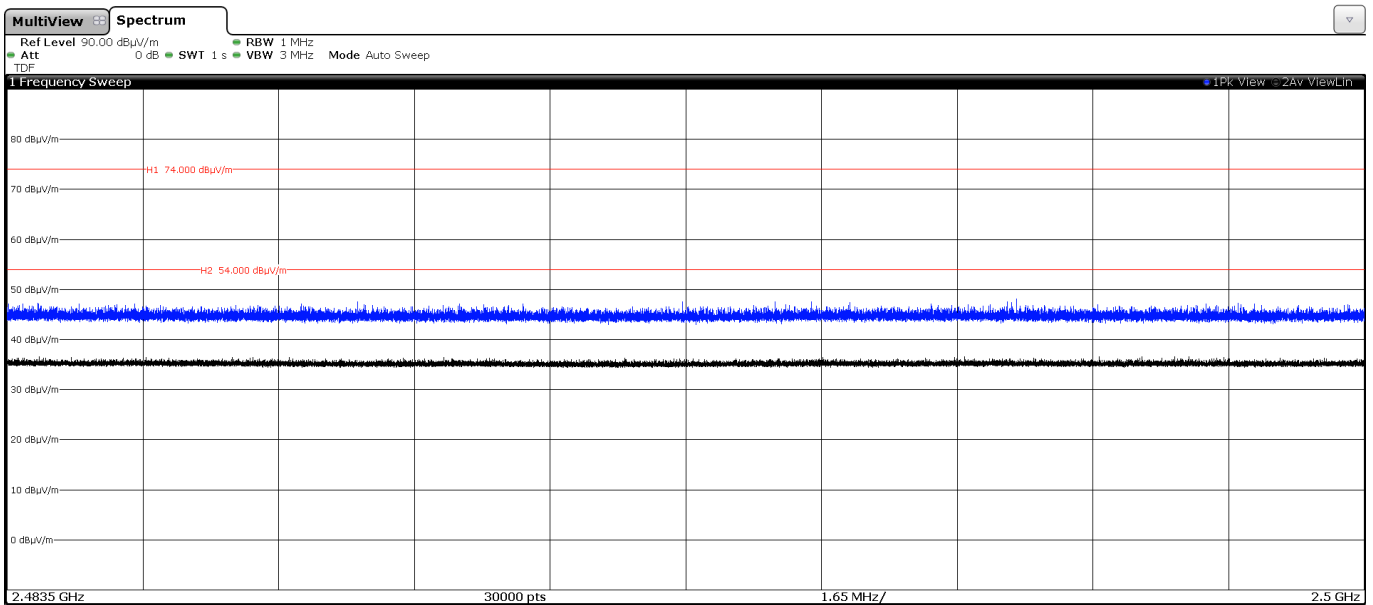
Restricted Band 2.31-2.39 GHz:

- Low Channel:



Restricted Band 2.4835-2.5 GHz:

- High Channel:

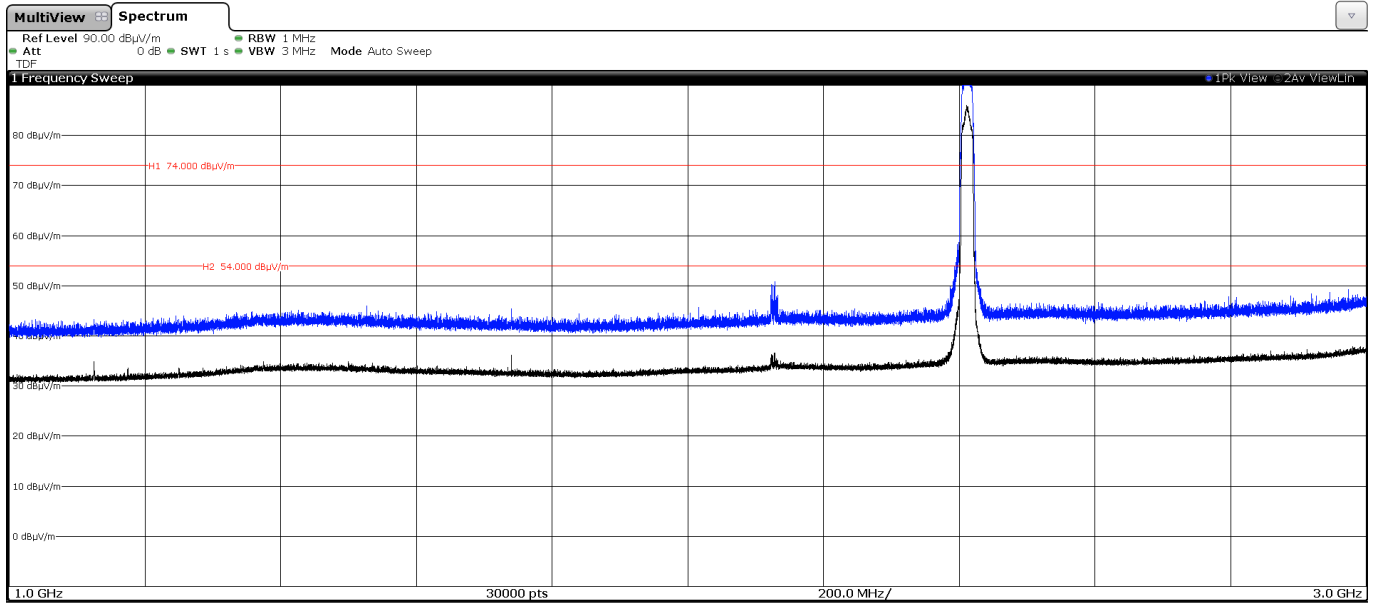


SISO CORE1_Port4 Antenna:

- Mode 802.11 g (OFDM worst case for spurious emissions)

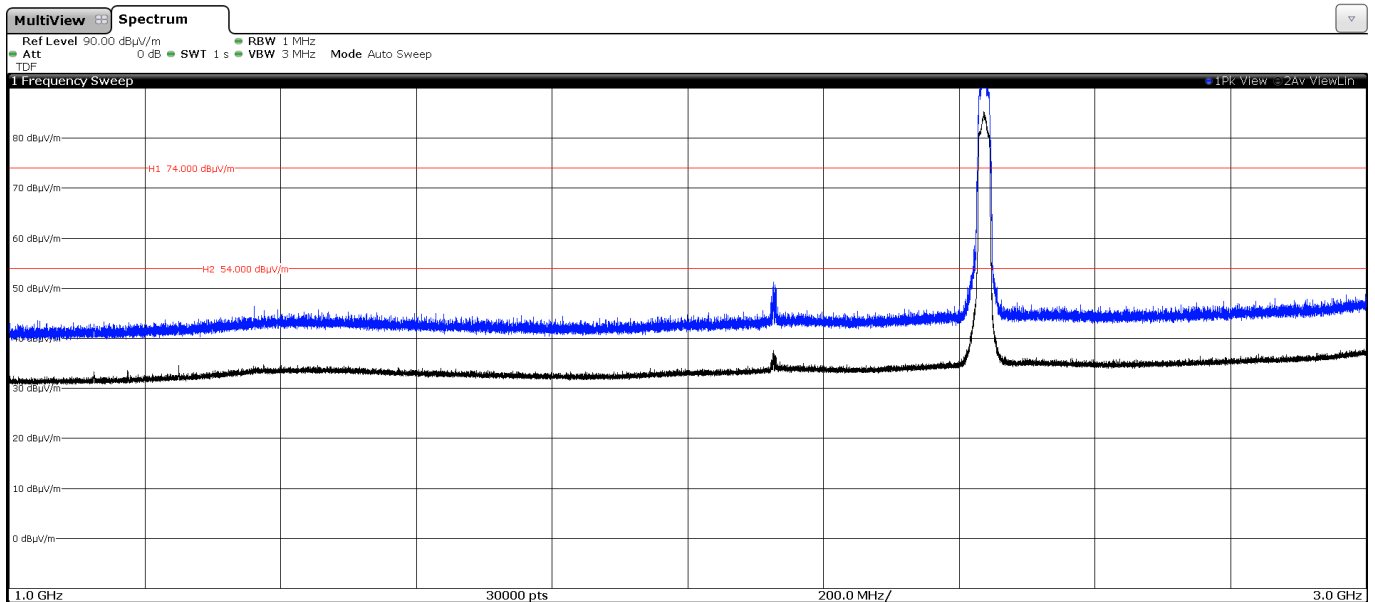
FREQUENCY RANGE 1 - 3 GHz:

- Low Channel:



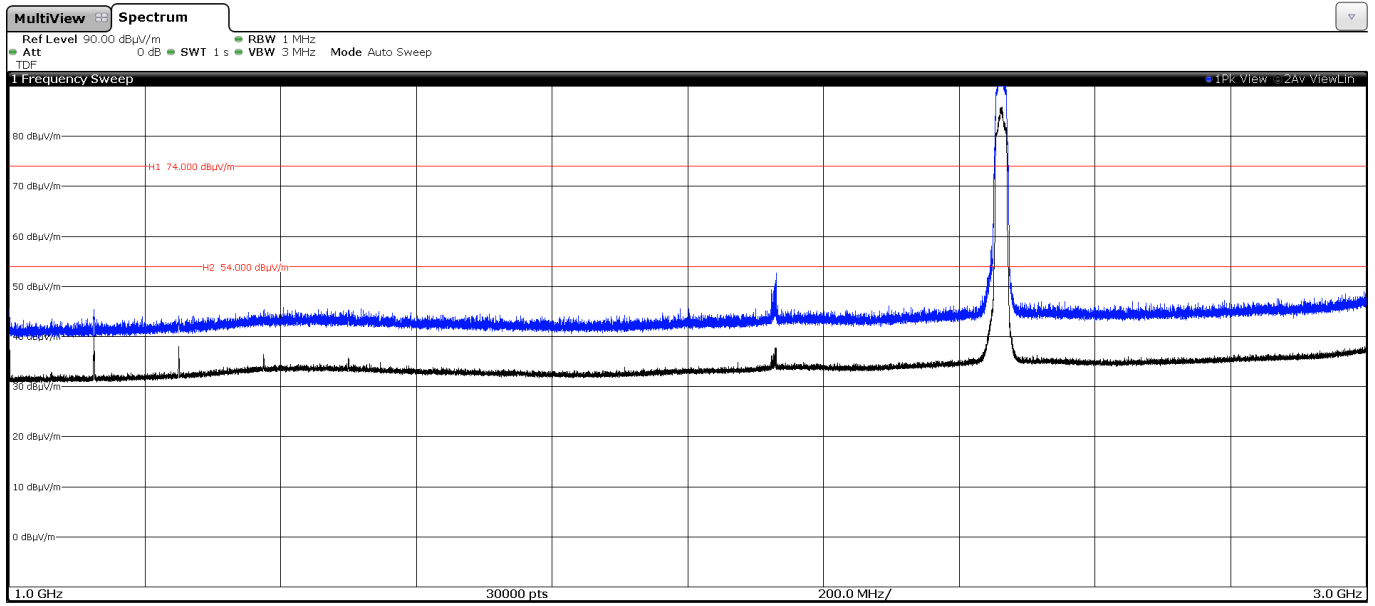
The peak above the limit is the carrier frequency.

- Middle Channel:



The peak above the limit is the carrier frequency.

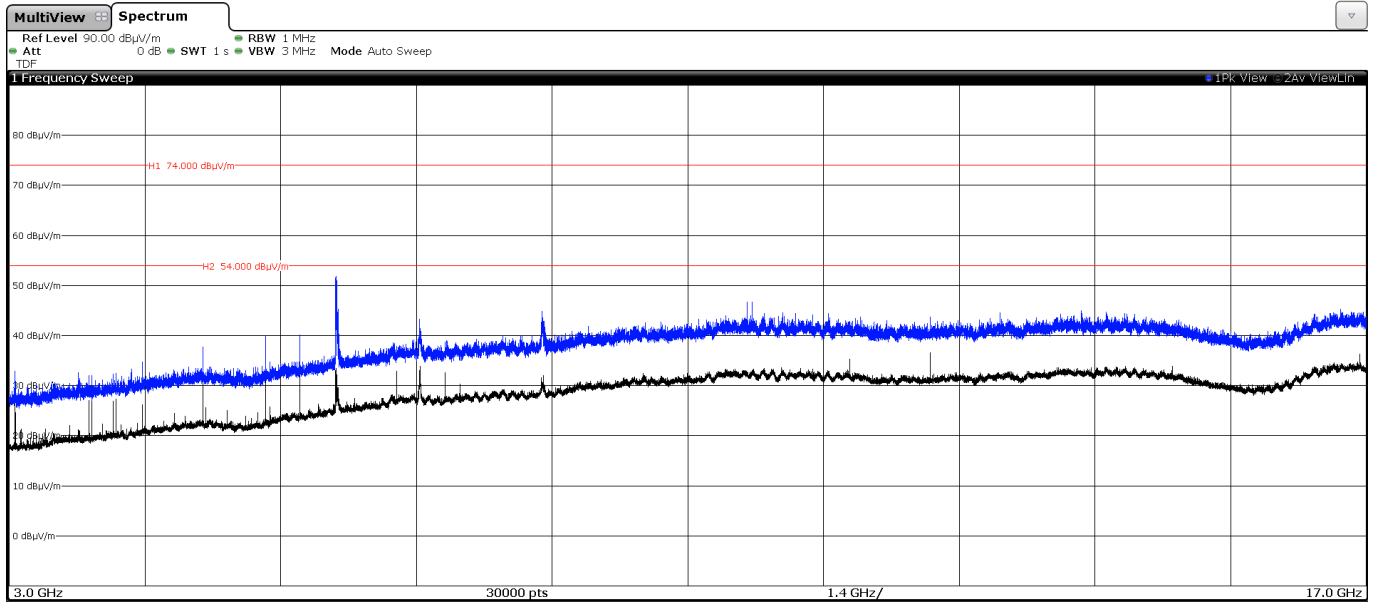
- High Channel:



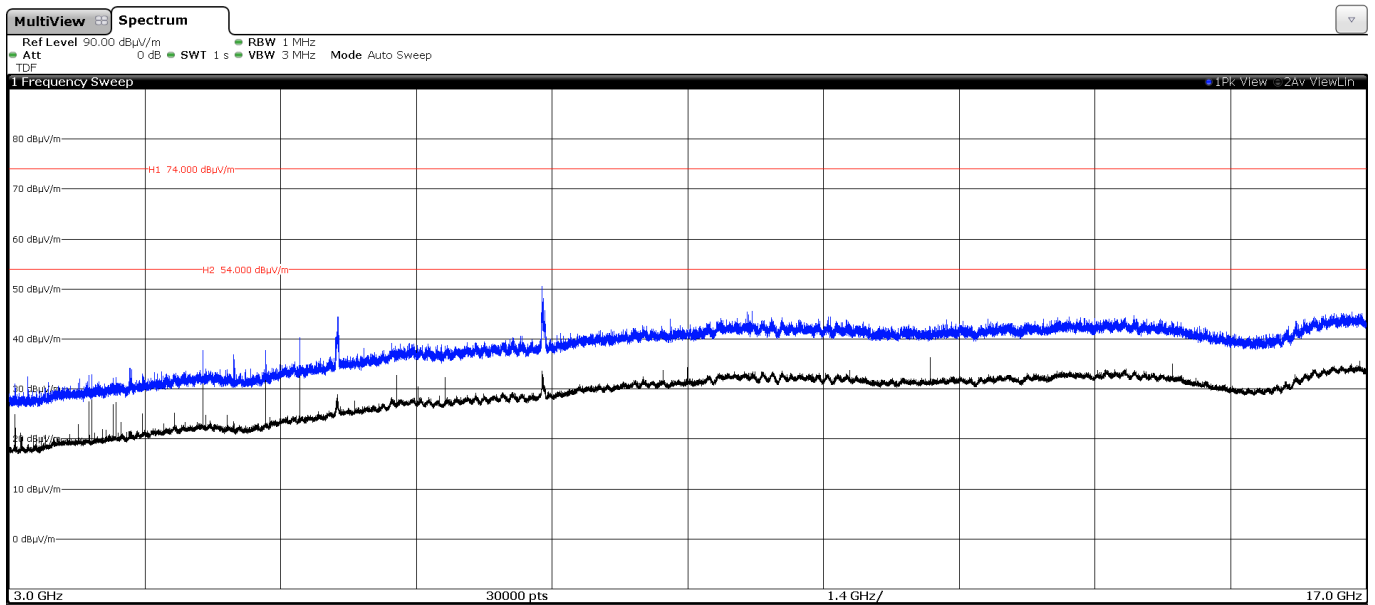
The peak above the limit is the carrier frequency.

FREQUENCY RANGE 3 - 17 GHz:

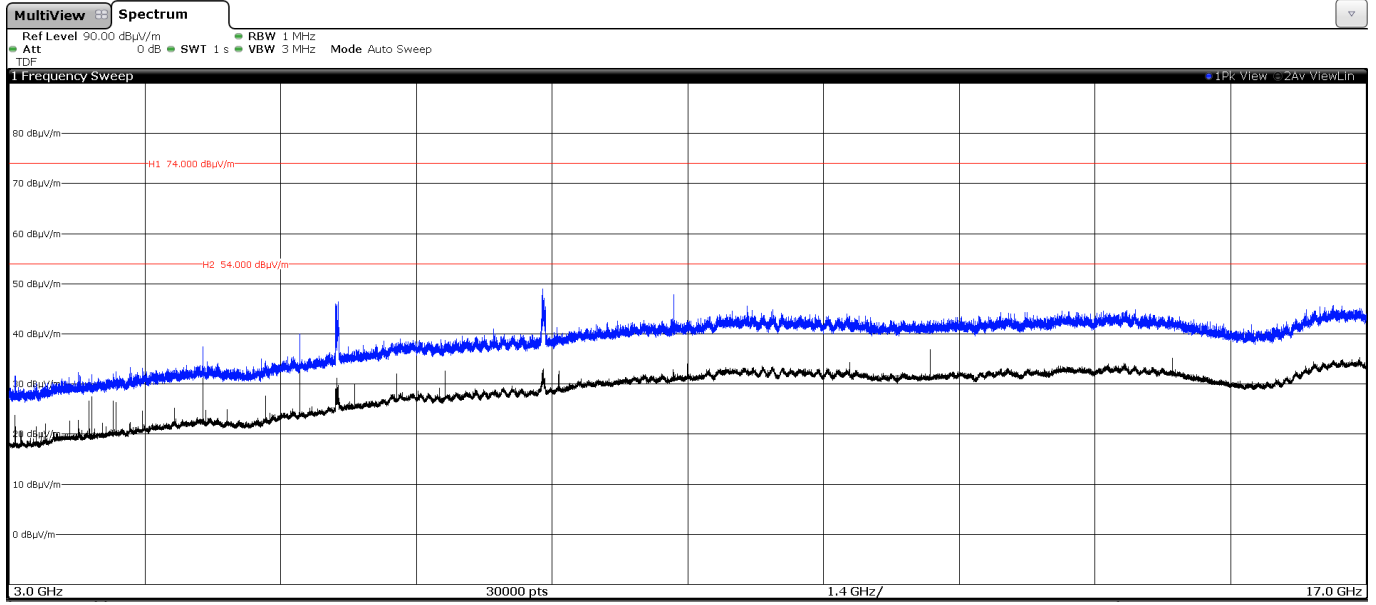
- Low Channel:



- Middle Channel:

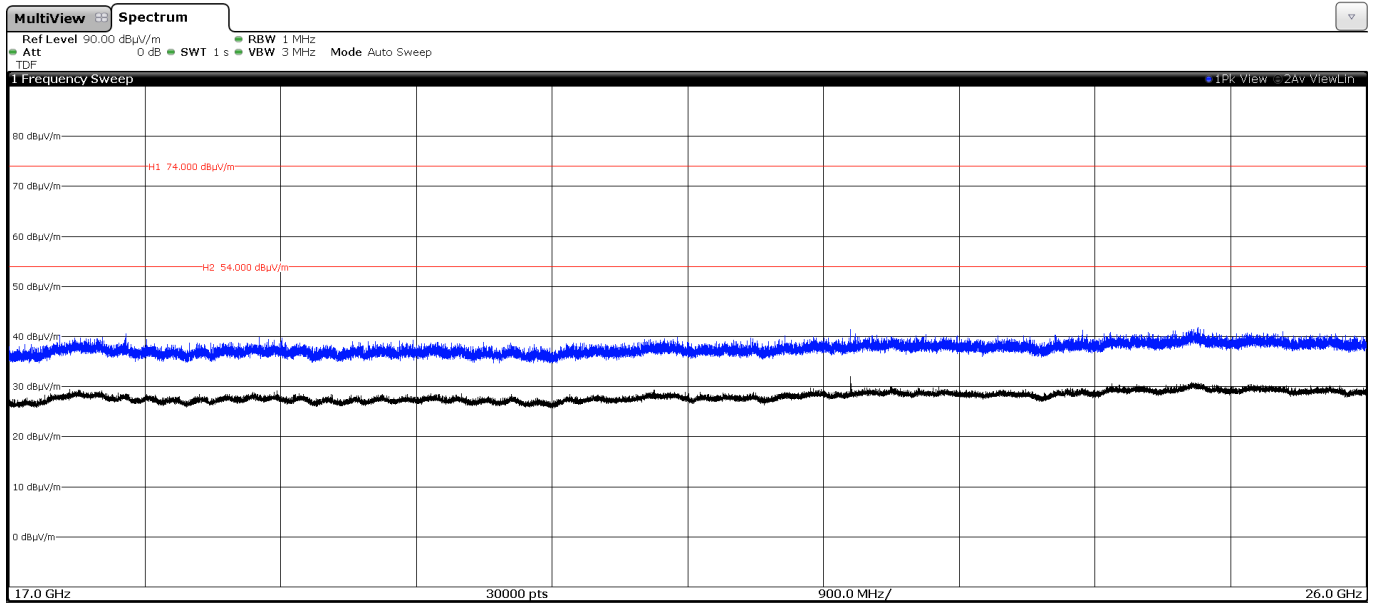


- High Channel:



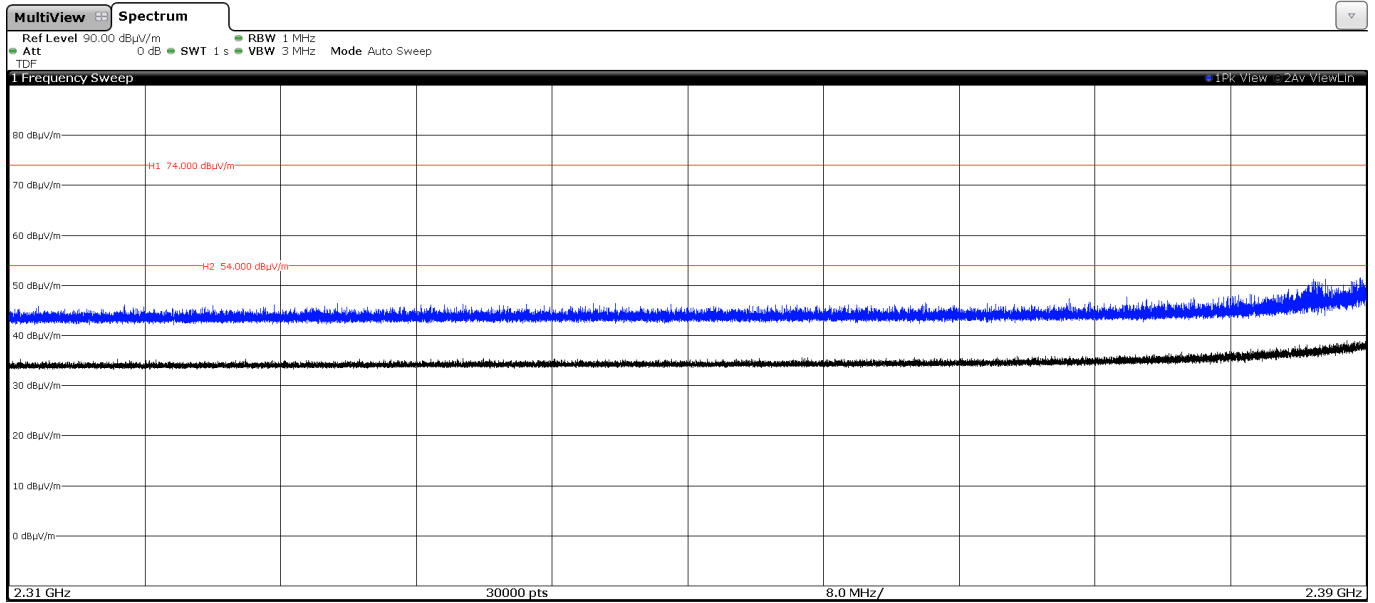
FREQUENCY RANGE 17 - 26 GHz:

The spurious signals detected do not depend on the operating channel.



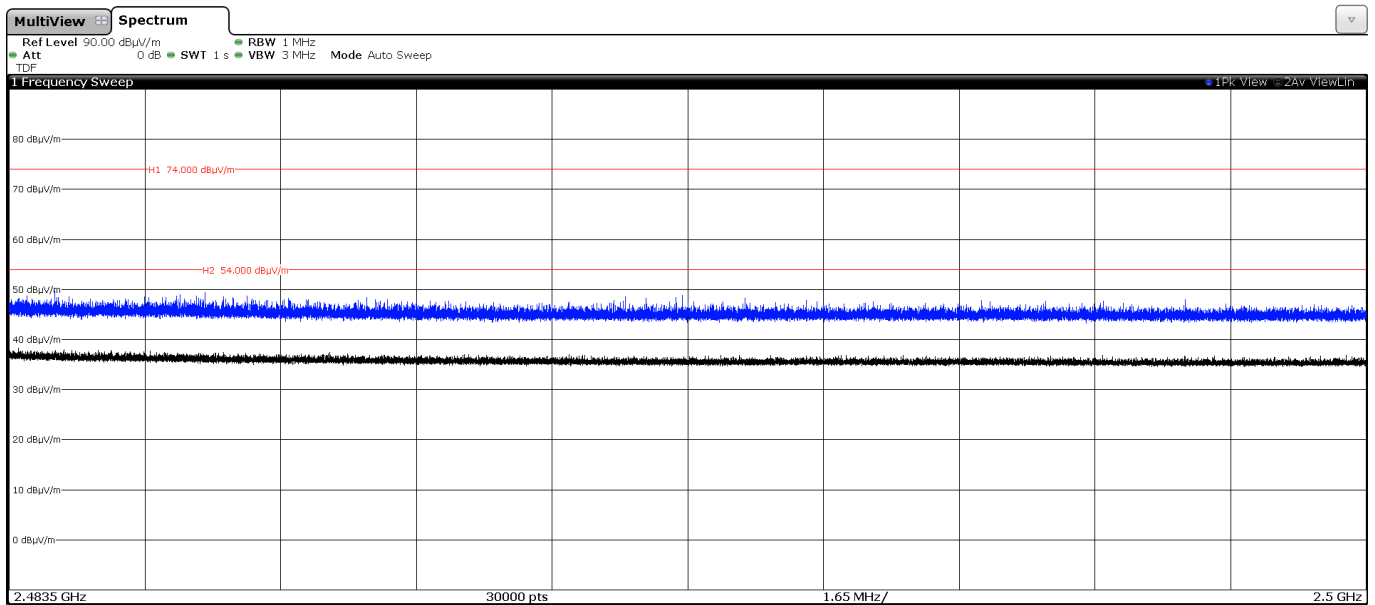
Restricted Band 2.31-2.39 GHz:

- Low Channel:



Restricted Band 2.4835-2.5 GHz:

- High Channel:

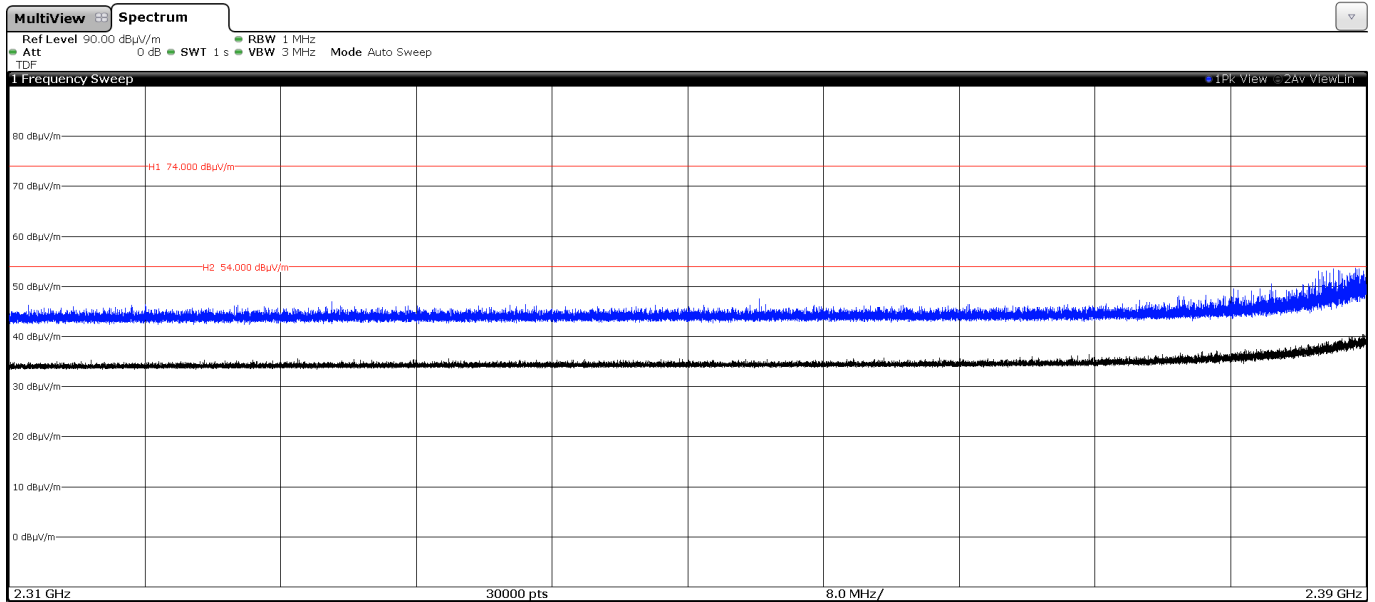


SISO CORE1_Port4 Antenna:

- **Mode 802.11 n20**

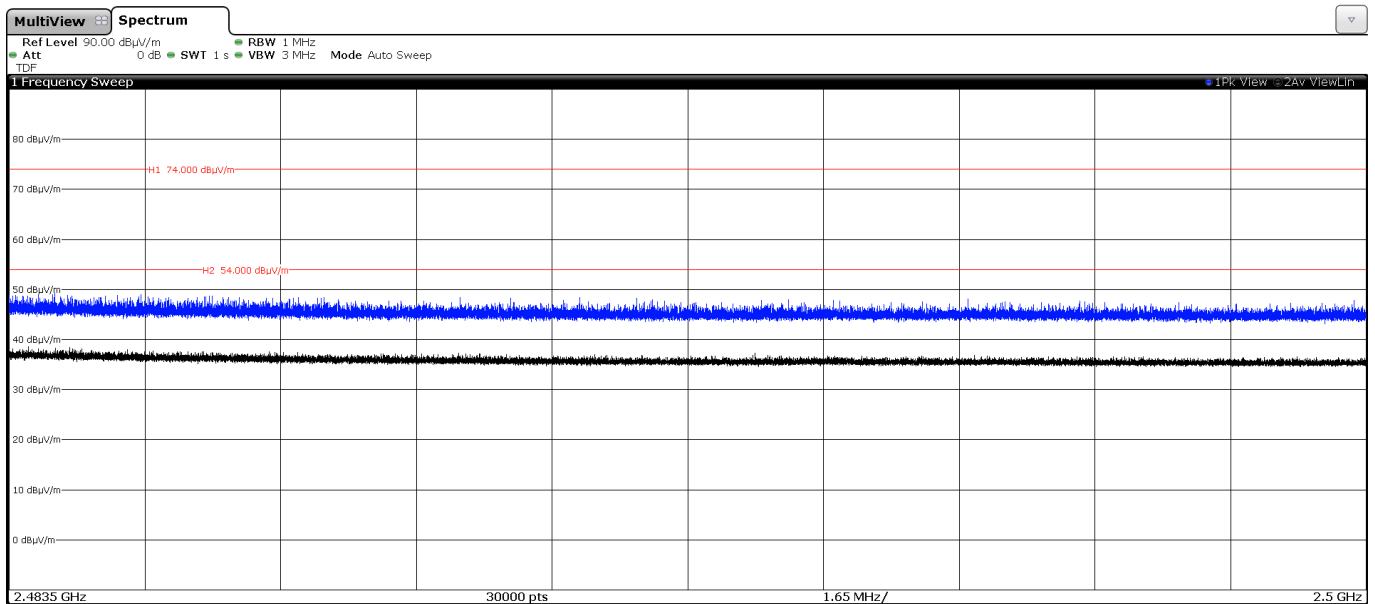
Restricted Band 2.31-2.39 GHz:

- Low Channel:



Restricted Band 2.4835-2.5 GHz:

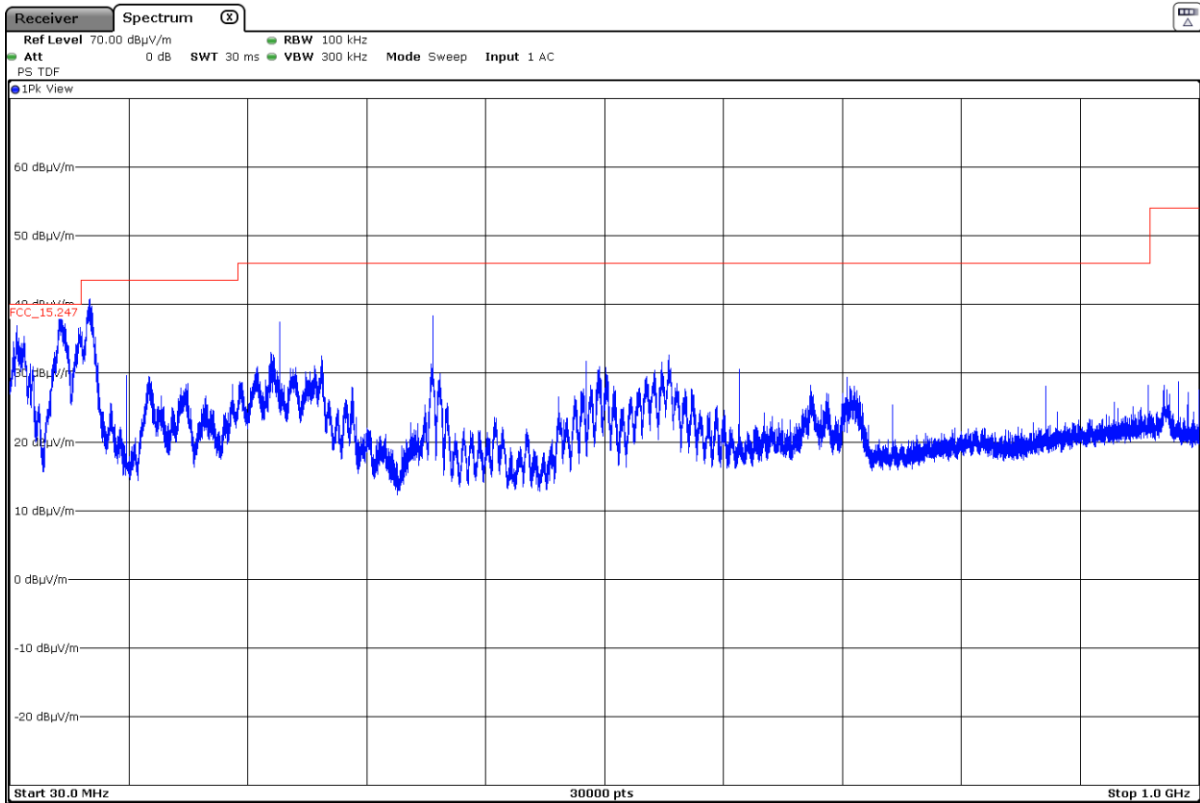
- High Channel:



MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

FREQUENCY RANGE 30 MHz - 1 GHz:

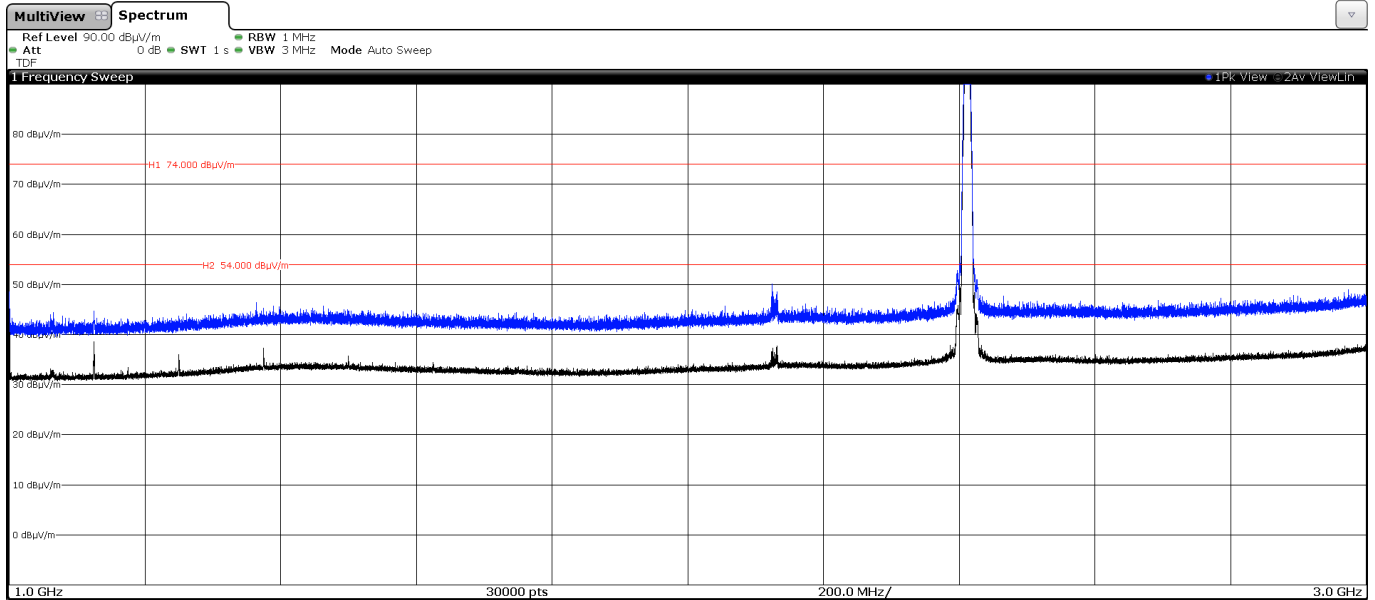
The spurious signals detected do not depend neither on the operating channel nor the modulation mode.



- **Mode 802.11 b**

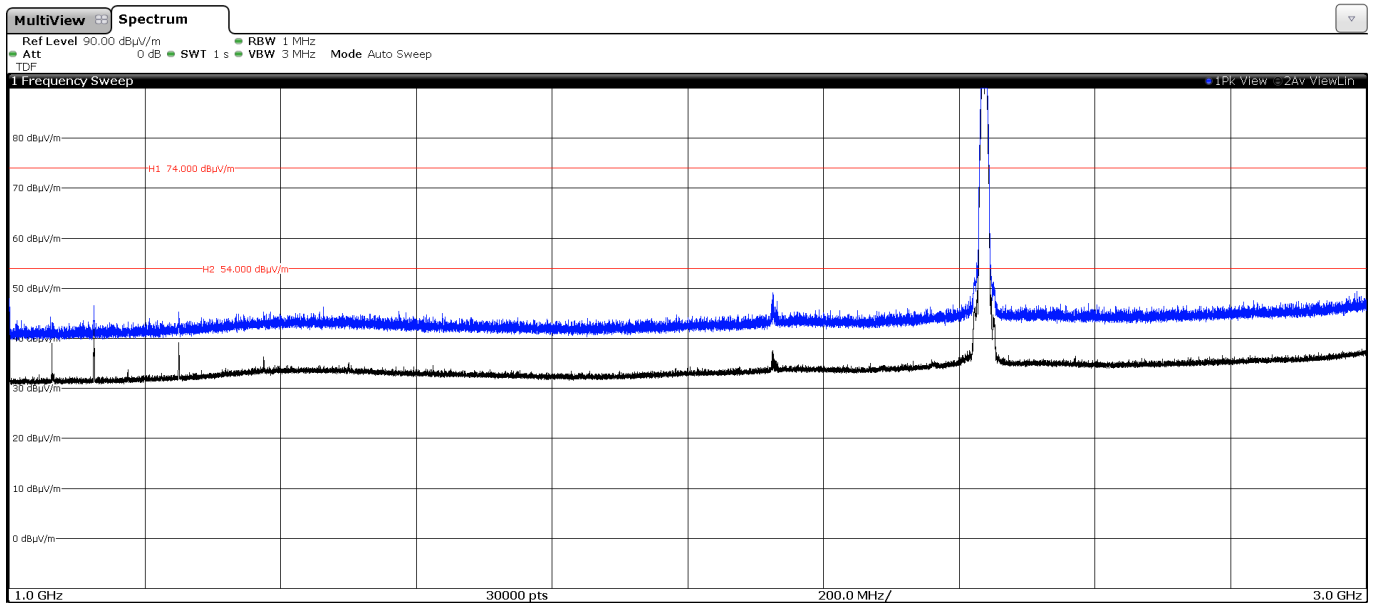
FREQUENCY RANGE 1 - 3 GHz:

- Low Channel:



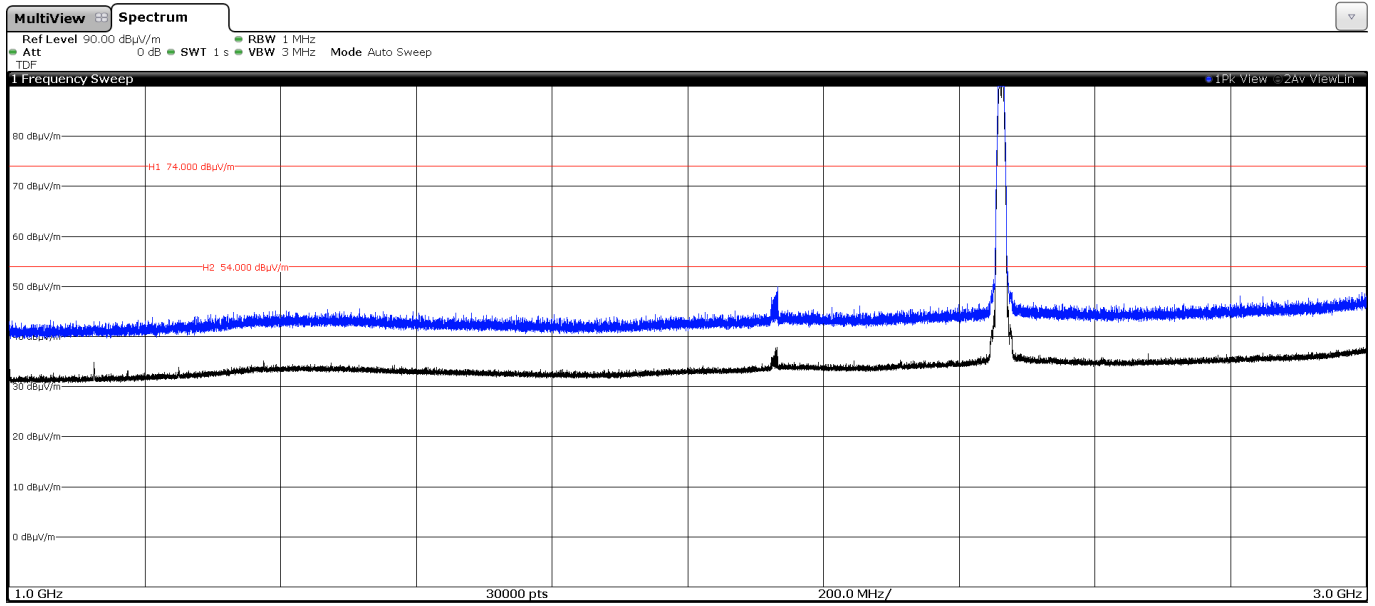
The peak above the limit is the carrier frequency.

- Middle Channel:



The peak above the limit is the carrier frequency.

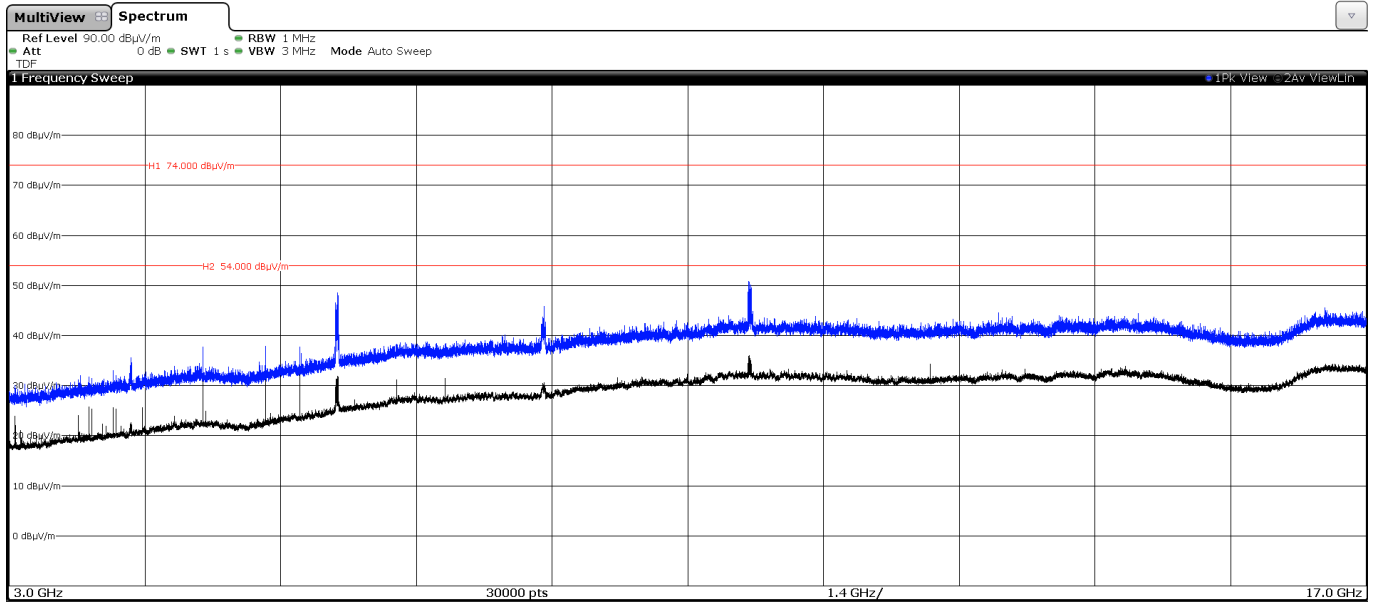
- High Channel:



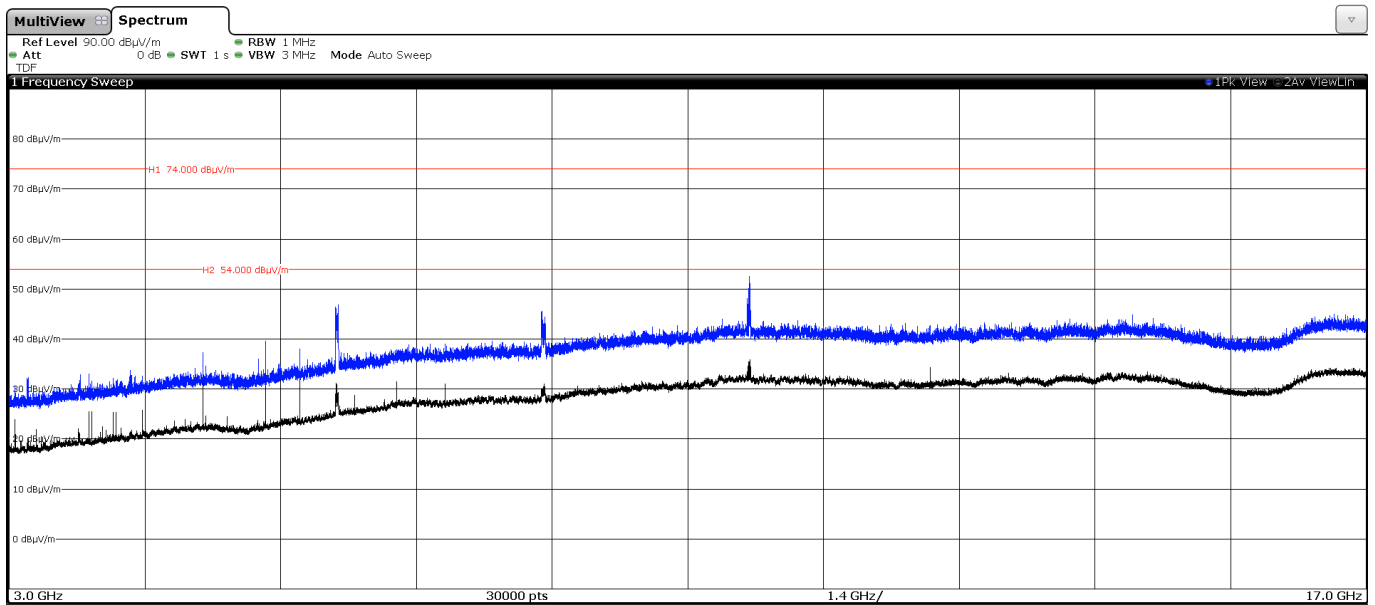
The peak above the limit is the carrier frequency.

FREQUENCY RANGE 3 - 17 GHz:

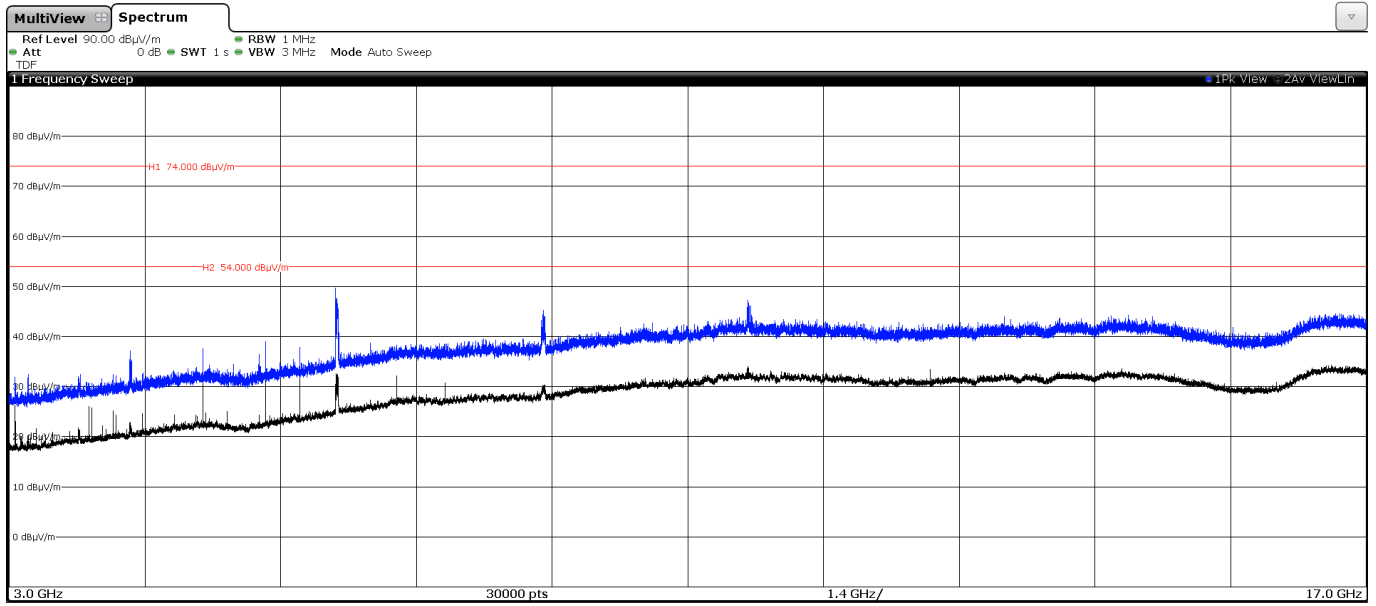
- Low Channel:



- Middle Channel:

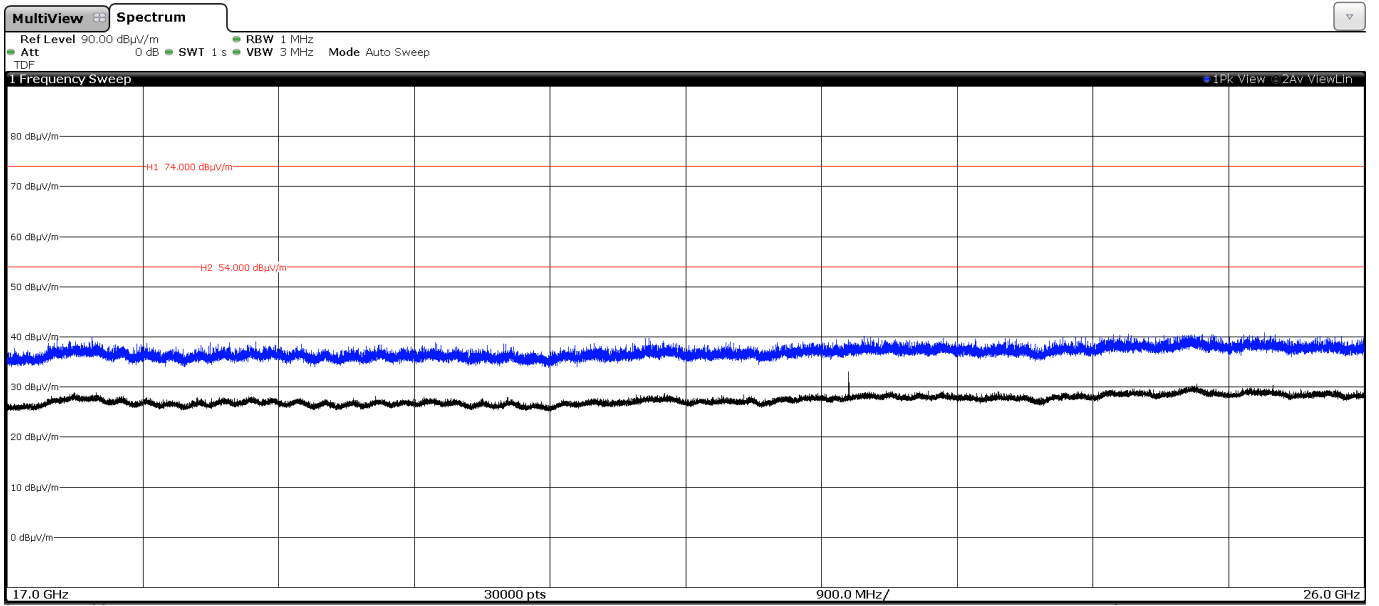


- High Channel:



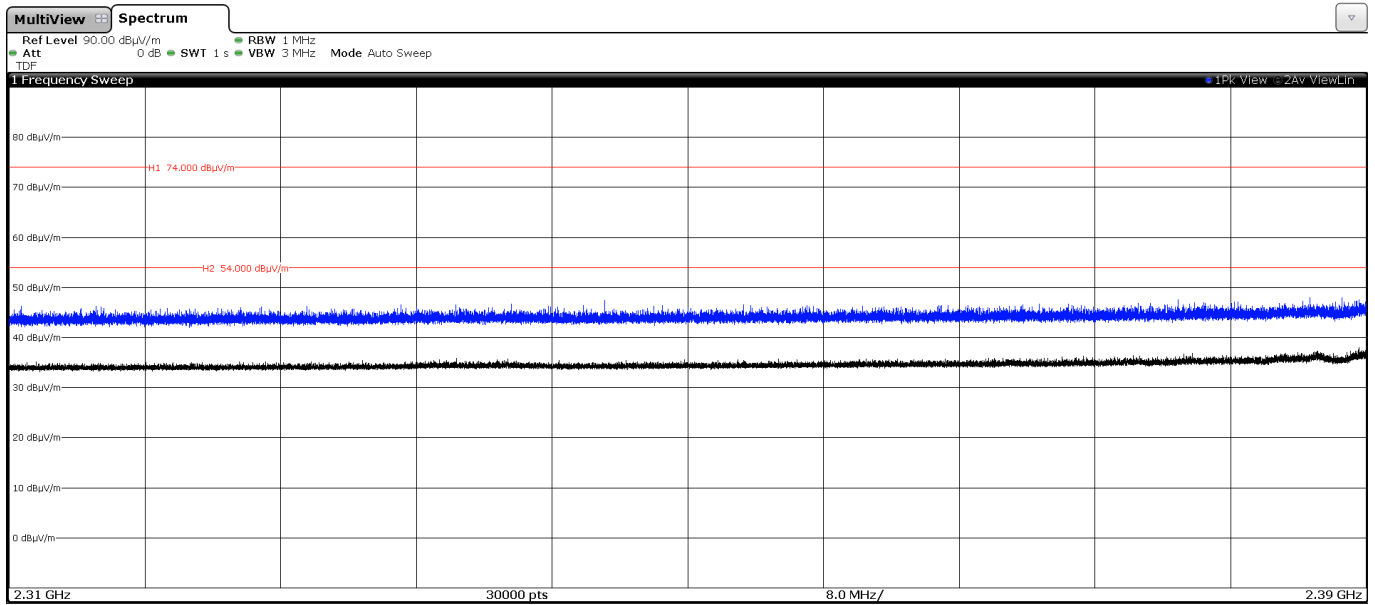
FREQUENCY RANGE 17 - 26 GHz:

The spurious signals detected do not depend on the operating channel.



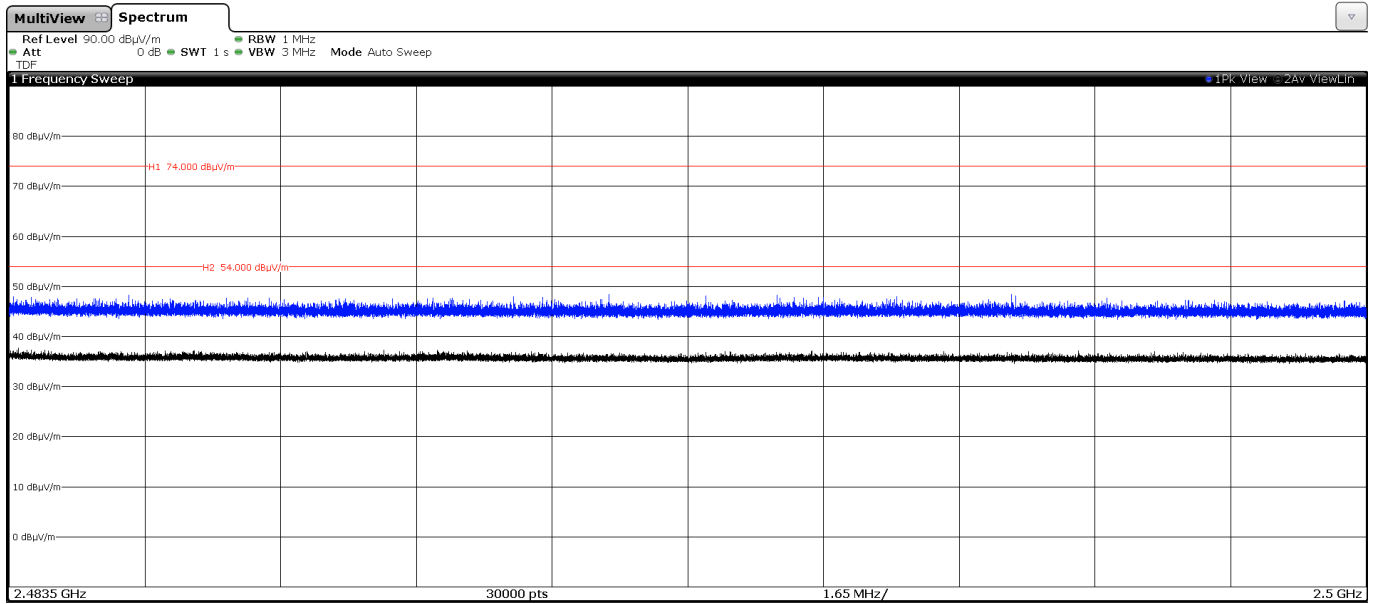
Restricted Band 2.31-2.39 GHz:

- Low Channel:



Restricted Band 2.4835-2.5 GHz:

- High Channel:

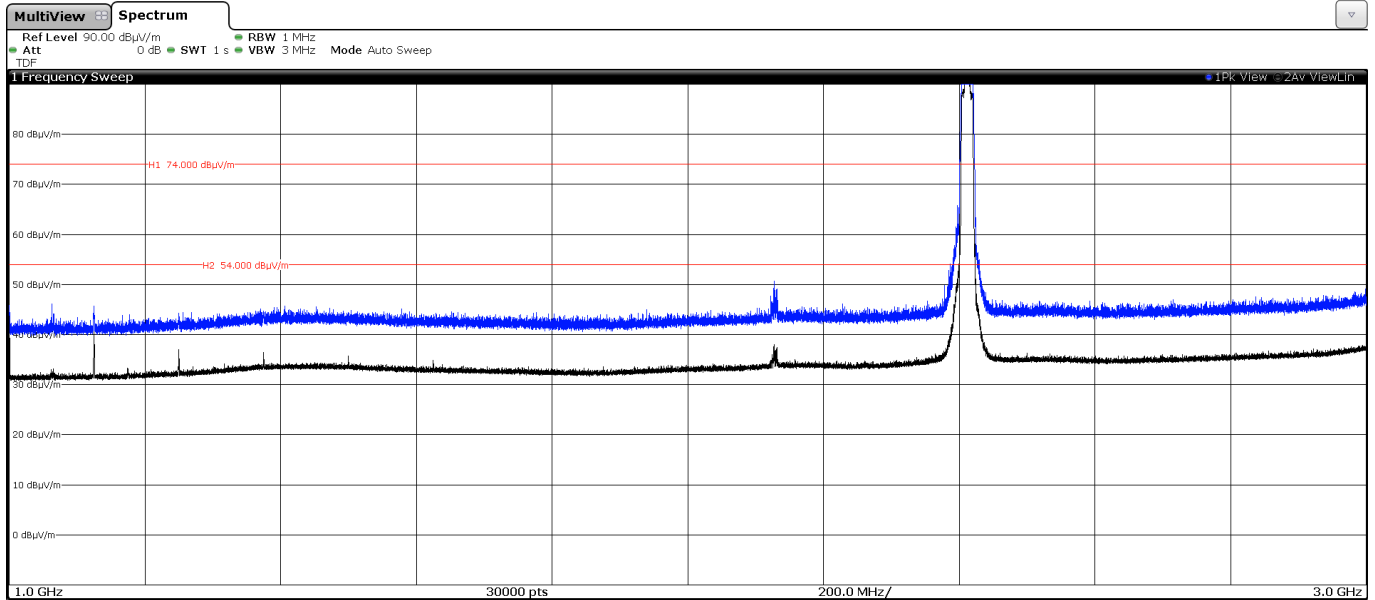


MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

- Mode 802.11 g (OFDM worst case for spurious emissions)

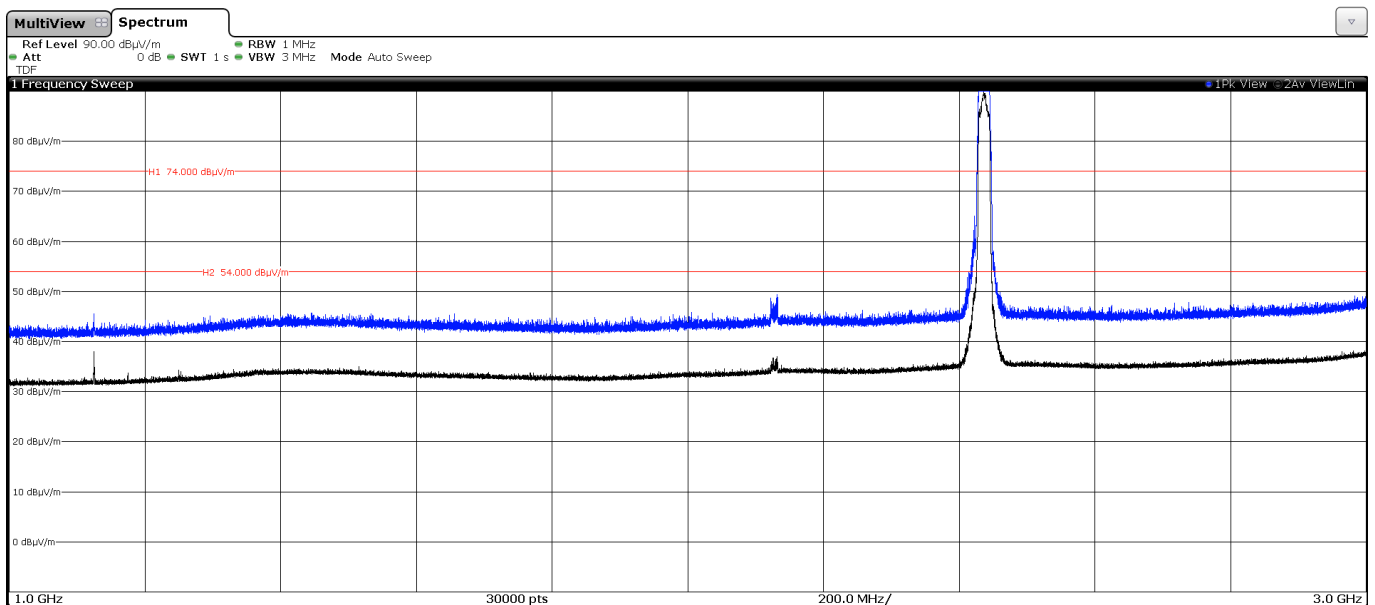
FREQUENCY RANGE 1 - 3 GHz:

- Low Channel:



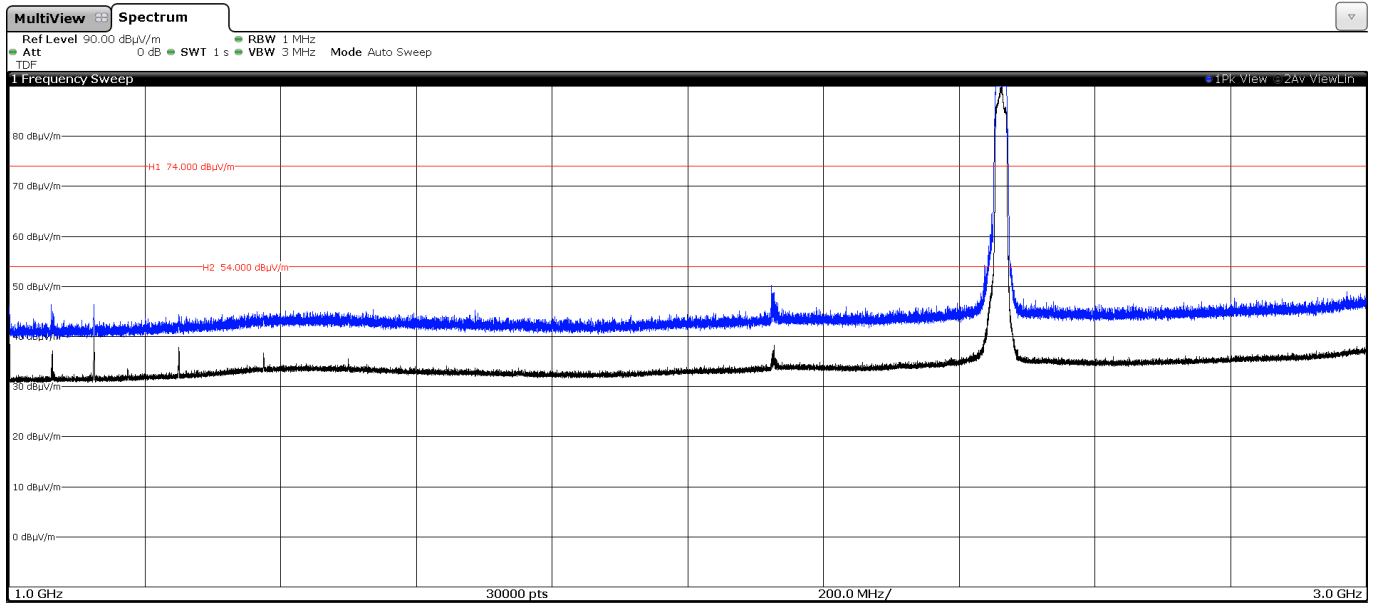
The peak above the limit is the carrier frequency.

- Middle Channel:



The peak above the limit is the carrier frequency.

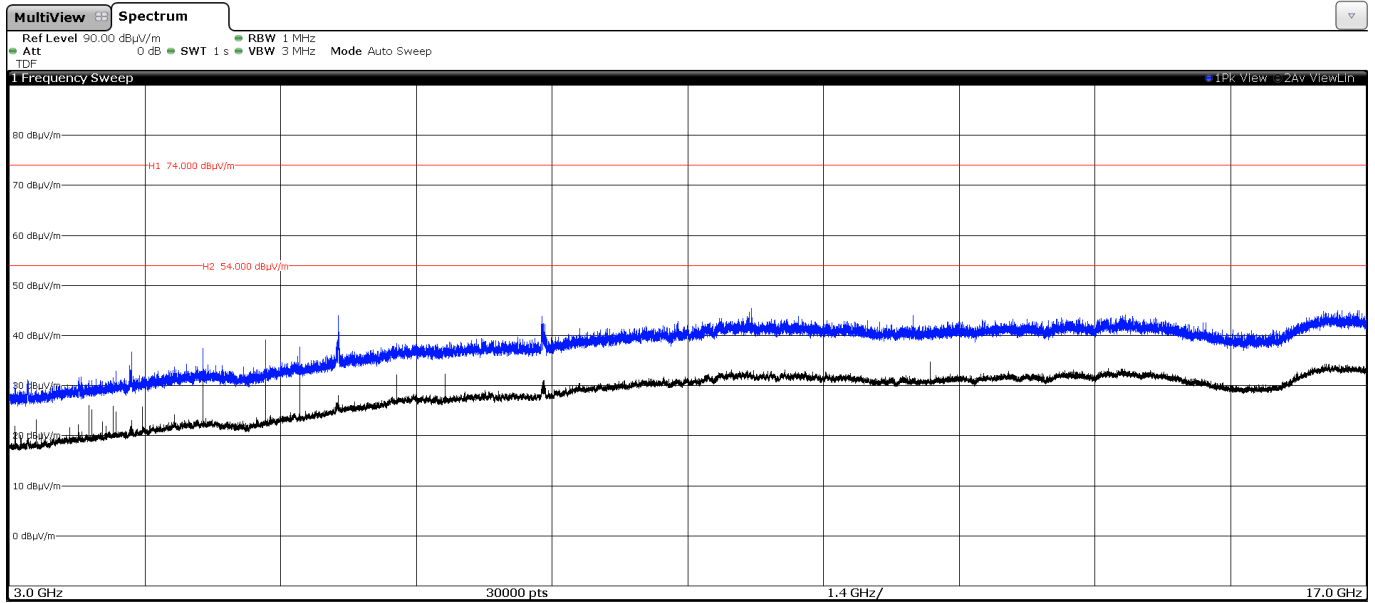
- High Channel:



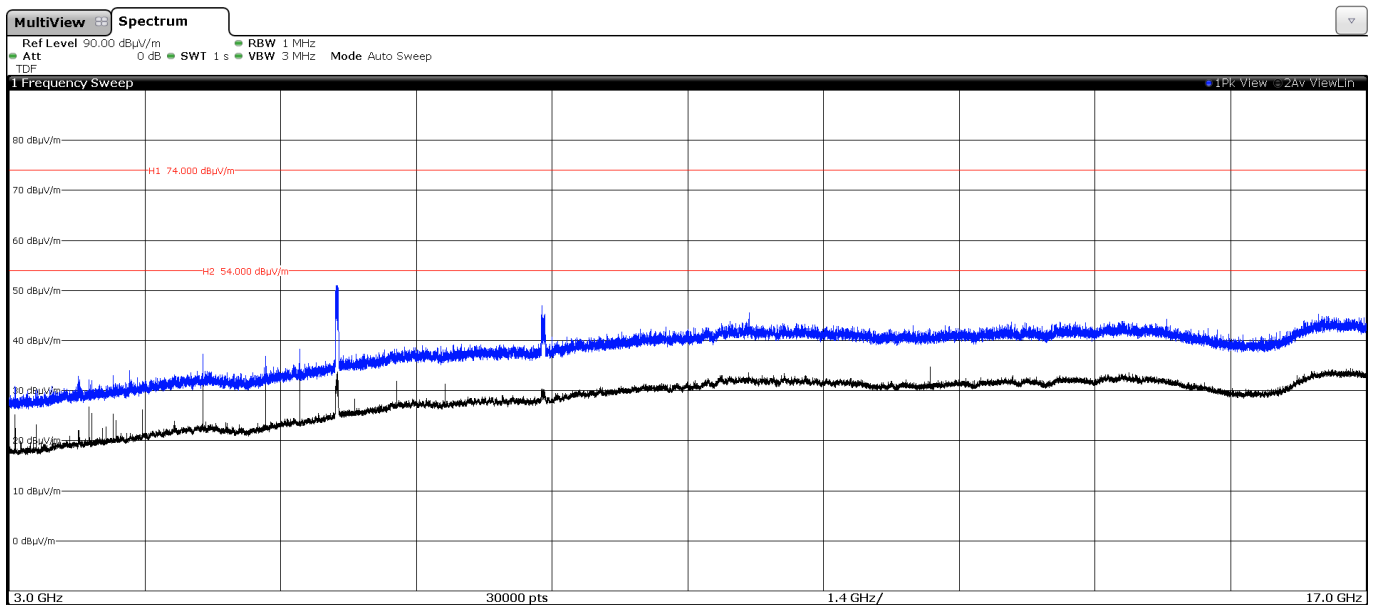
The peak above the limit is the carrier frequency.

FREQUENCY RANGE 3 - 17 GHz:

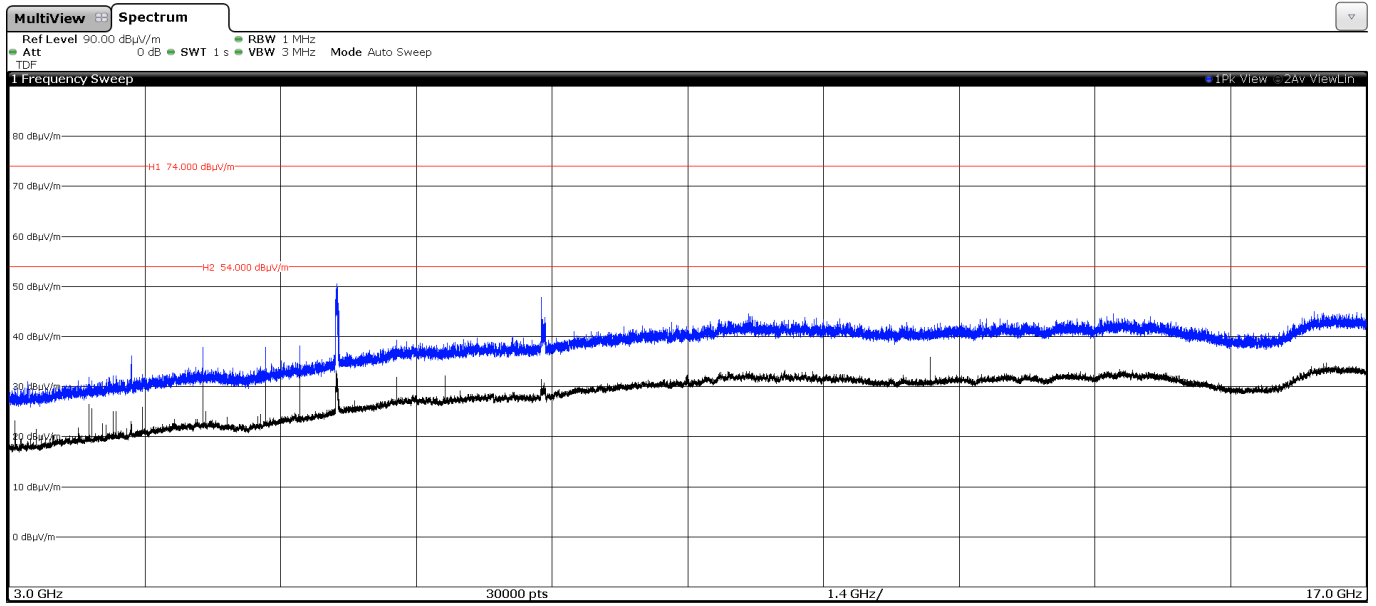
- Low Channel:



- Middle Channel:

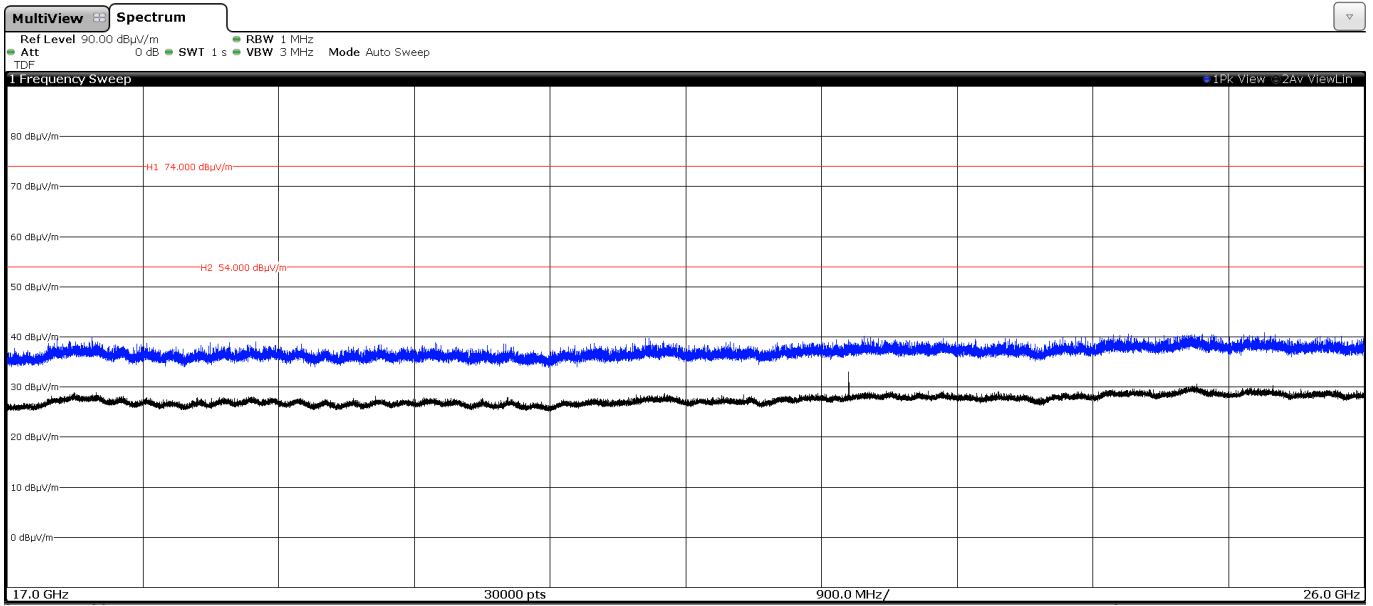


- High Channel:



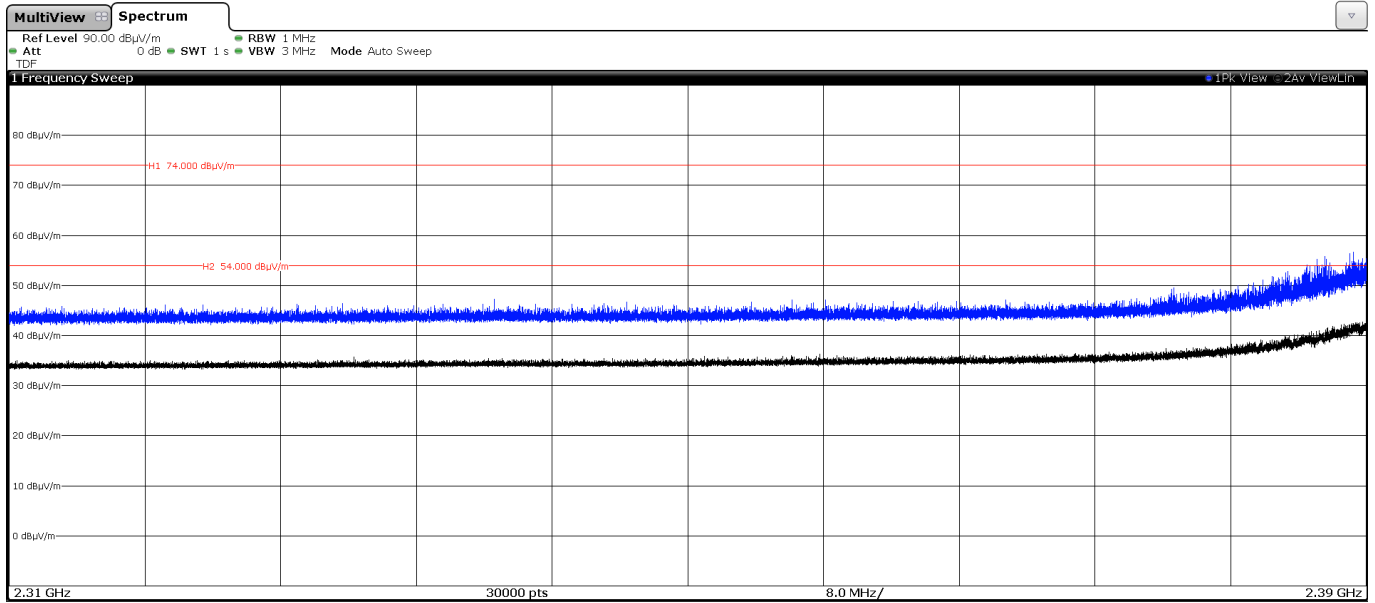
FREQUENCY RANGE 17 - 26 GHz:

The spurious signals detected do not depend on the operating channel.



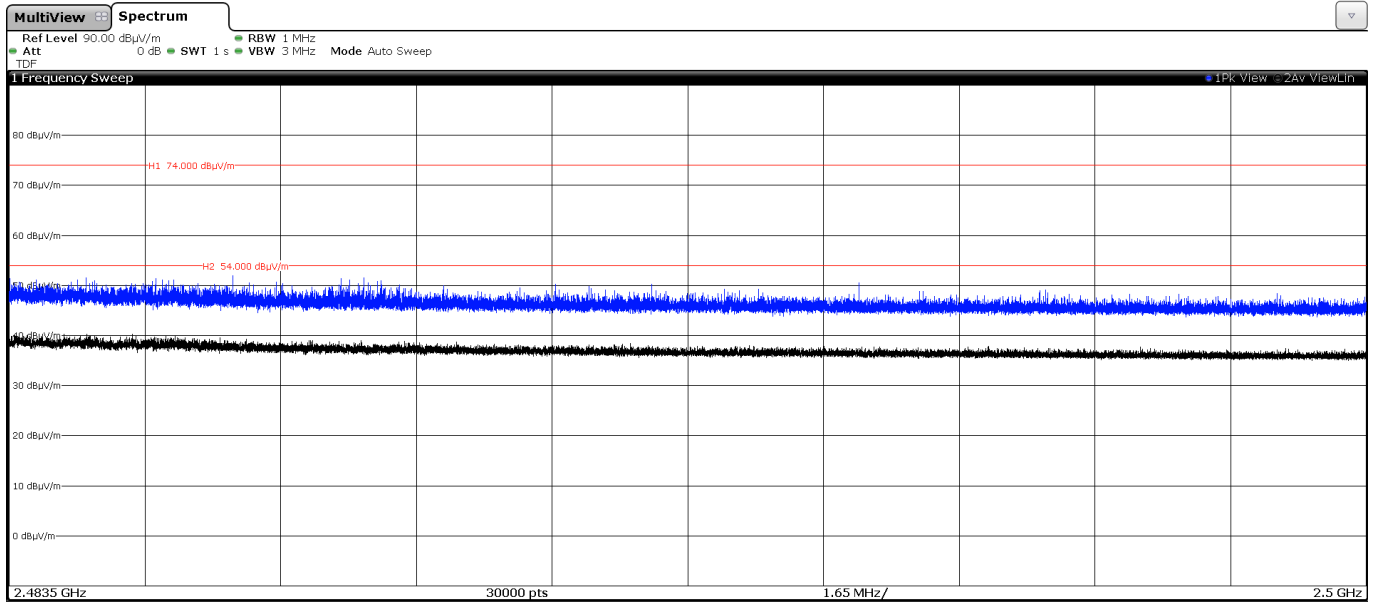
Restricted Band 2.31-2.39 GHz:

- Low Channel:



Restricted Band 2.4835-2.5 GHz:

- High Channel:

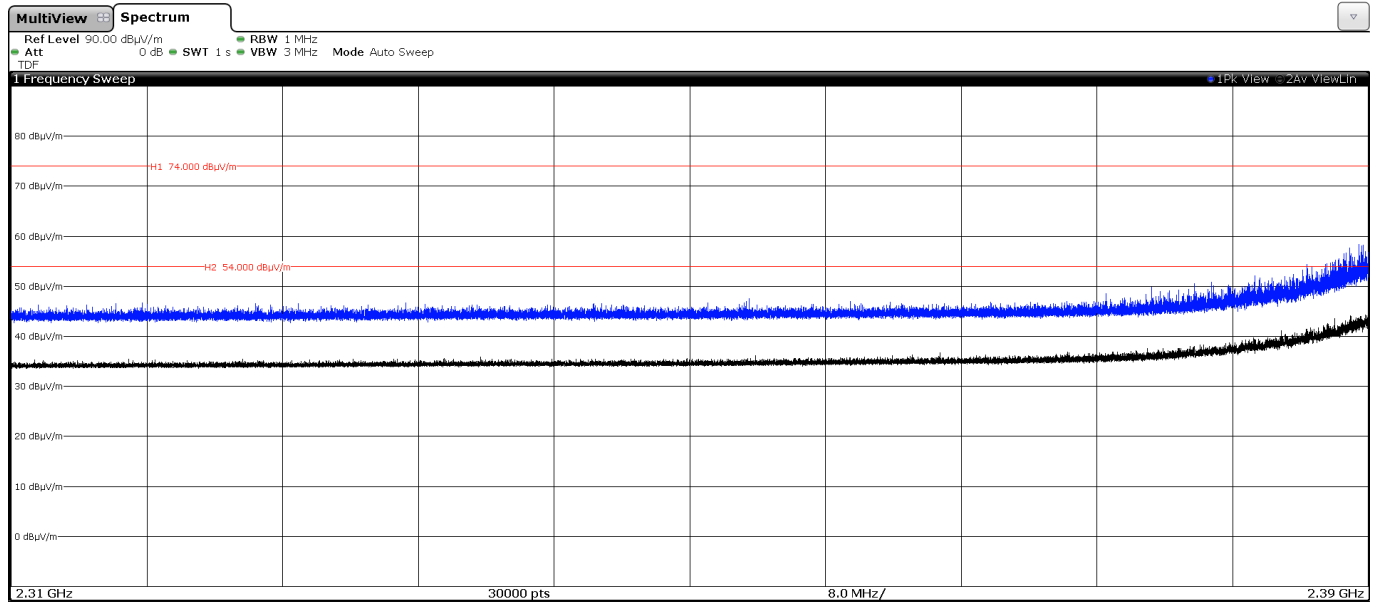


MIMO – CORE1_Port4 Antenna & CORE1_Port1 Antenna:

- **Mode 802.11 n20**

Restricted Band 2.31-2.39 GHz:

- Low Channel:



Restricted Band 2.4835-2.5 GHz:

- High Channel:

