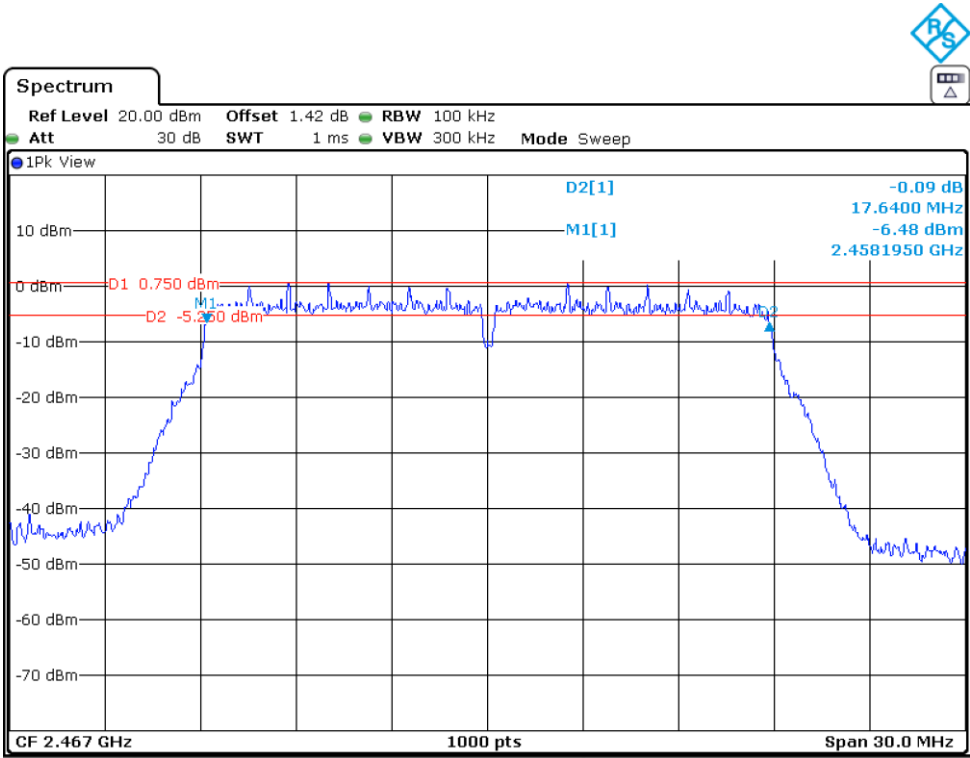
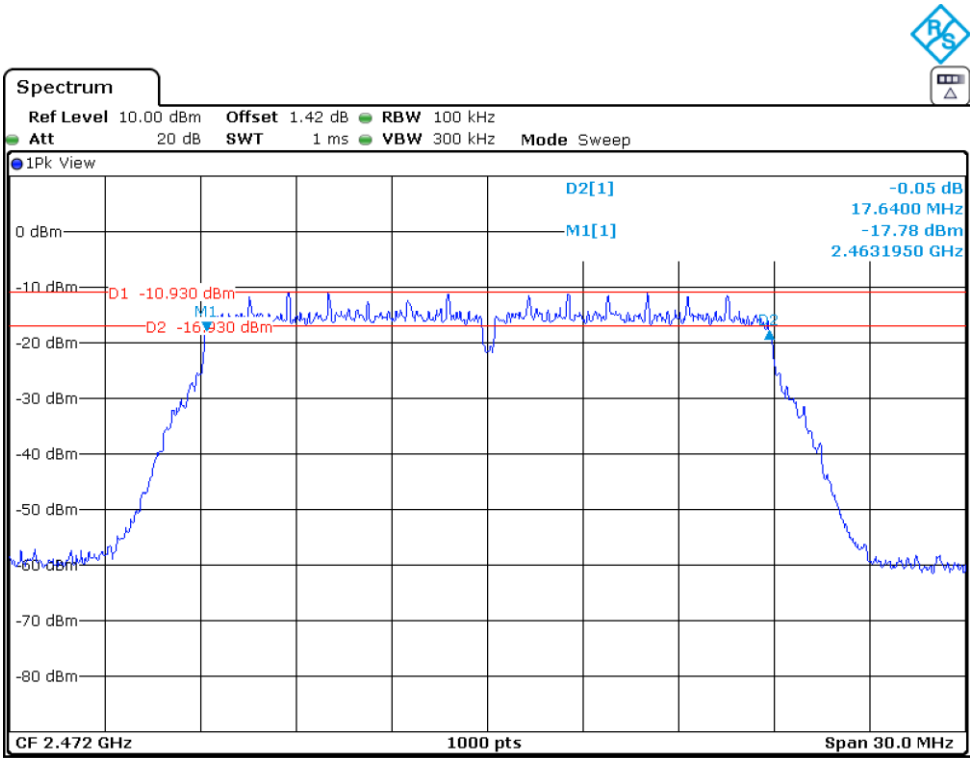


Channel 12



Channel 13



FCC Section 15.247 Subclause (b) / RSS-247 5.4. (d). Maximum output power and antenna gain

SPECIFICATION

For systems using digital modulation in the 2400-2483.5 MHz band: 1 watt (30 dBm).

The e.i.r.p. shall not exceed 4 W (36 dBm) (RSS-247).

RESULTS:

The maximum conducted (average) output power was measured using the method according to the Guidance for Performing Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid Systems Devices Operating Under Section 15.247 of the FCC Rules. 558074 D01 Meas Guidance v05 dated August 24, 2018.

The EUT was transmitting at >98% duty cycle and the testing was performed in according with Method AVGSA-1.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

As declared in the 15.247 (b) (4), the conducted output power is reduced by the amount in dB that the directional gain of the antenna exceeds 6dB. The applicable output power limit shall be calculated as follows:

$$P_{Out} = P_{Limit} - (G_{Tx} - 6)$$

Test performed on the following worst cases in all relevant tests channels:

- 802.11b: 1 Mbit/s / SISO on Core Aux
- 802.11g: 6 Mbit/s / SISO on Core Aux
- 802.11n HT20: MCS0 / SISO on Core Aux

Mode : 802.11b - 20MHz – SISO – CORE Aux:

Declared antenna gain: 3.38 dBi

	channel 1 2412 MHz	channel 2 2417 MHz	channel 3 2422 MHz	channel 6 2437 MHz
Max. conducted power (dBm)	18.90	20.33	20.94	22.93
Conducted Peak Power Limit (dBm)	30			
Margin (dB)	11.10	9.67	9.06	7.07
Maximum EIRP power (dBm)	22.28	23.71	24.32	26.31
EIRP power Limit (dBm)	36			
Margin (dB)	13.72	12.29	11.68	9.69
Measurement uncertainty (dB)	<±1.20			

	channel 10 2457 MHz	channel 11 2462 MHz	channel 12 2467 MHz	channel 13 2472 MHz
Max. conducted power (dBm)	19.37	15.99	15.46	10.70
Conducted Peak Power Limit (dBm)	30			
Margin (dB)	10.63	14.01	14.54	19.30
Maximum EIRP power (dBm)	22.75	19.37	18.84	14.08
EIRP power Limit (dBm)	36			
Margin (dB)	13.25	16.63	17.16	21.92
Measurement uncertainty (dB)	<±1.20			

Mode : 802.11g - 20MHz – SISO – CORE Aux:

Declared antenna gain: 3.38 dBi

	channel 1 2412 MHz	channel 2 2417 MHz	channel 3 2422 MHz	channel 4 2427 MHz	channel 5 2432 MHz	channel 6 2437 MHz
Max. conducted power (dBm)	13.77	15.26	17.67	18.49	19.35	20.47
Conducted Peak Power Limit (dBm)	30					
Margin (dB)	16.23	14.74	12.33	11.51	10.65	9.53
Maximum EIRP power (dBm)	17.15	18.64	21.05	21.87	22.73	23.85
EIRP power Limit (dBm)	36					
Margin (dB)	18.85	17.36	14.95	14.13	13.27	12.15
Measurement uncertainty (dB)	<±1.20					

	channel 7 2442 MHz	channel 8 2447 MHz	channel 9 2452 MHz	channel 11 2462 MHz	channel 12 2467 MHz	channel 13 2472 MHz
Max. conducted power (dBm)	18.45	17.92	16.24	13.14	11.45	0.98
Conducted Peak Power Limit (dBm)	30					
Margin (dB)	11.55	12.08	13.76	16.86	18.55	29.02
Maximum EIRP power (dBm)	21.83	21.3	19.62	16.52	14.83	4.36
EIRP power Limit (dBm)	36					
Margin (dB)	14.17	14.70	16.38	19.48	21.17	31.64
Measurement uncertainty (dB)	<±1.20					

Mode : 802.11n HT20 - 20MHz – SISO – CORE Aux:

Declared antenna gain: 3.38 dBi

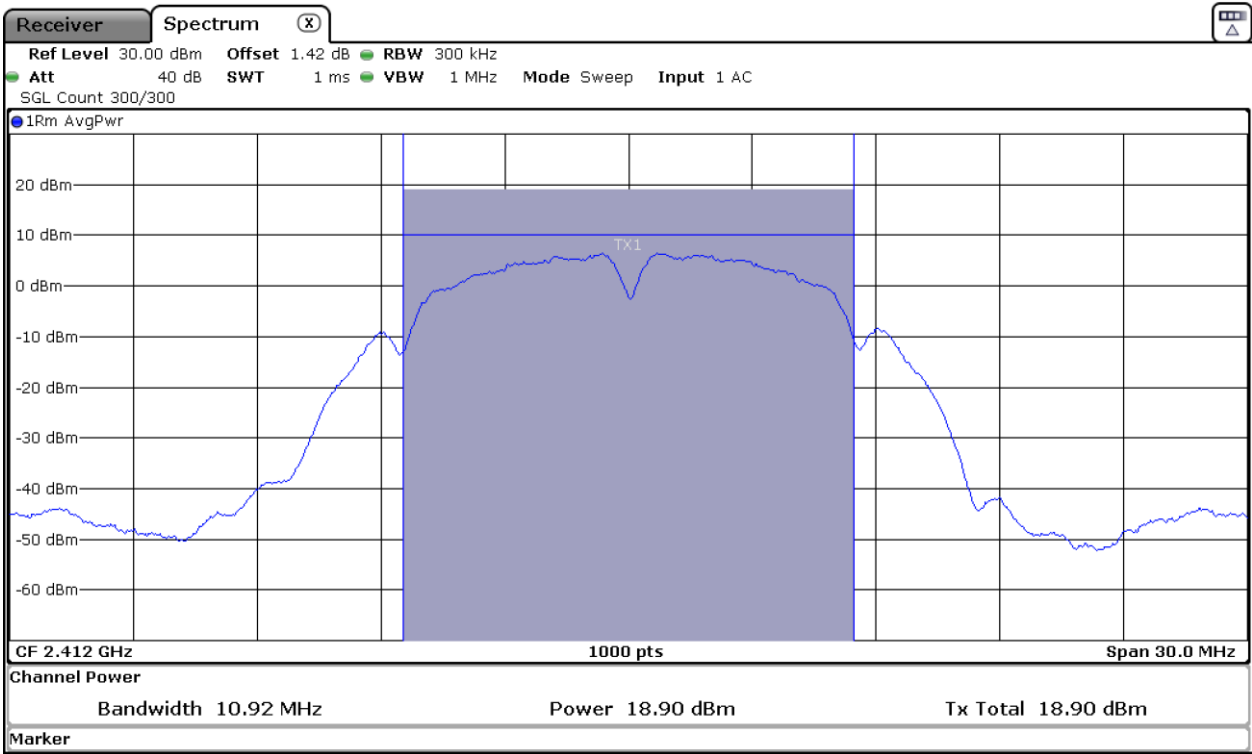
	channel 1 2412 MHz	channel 2 2417 MHz	channel 3 2422 MHz	channel 4 2427 MHz	channel 5 2432 MHz	channel 6 2437 MHz
Max. conducted power (dBm)	13.70	15.17	17.92	18.36	19.36	20.44
Conducted Peak Power Limit (dBm)	30					
Margin (dB)	16.3	14.83	12.08	11.64	10.64	9.56
Maximum EIRP power (dBm)	17.08	18.55	21.30	21.74	22.74	23.82
EIRP power Limit (dBm)	36					
Margin (dB)	18.92	17.45	14.70	13.26	13.26	12.18
Measurement uncertainty (dB)	<±1.20					

	channel 7 2442 MHz	channel 8 2447 MHz	channel 9 2452 MHz	channel 11 2462 MHz	channel 12 2467 MHz	channel 13 2472 MHz
Max. conducted power (dBm)	18.49	17.79	16.30	13.43	11.43	1.31
Conducted Peak Power Limit (dBm)	30					
Margin (dB)	11.51	12.21	13.70	16.57	18.57	28.69
Maximum EIRP power (dBm)	21.87	21.17	19.68	16.81	14.81	4.69
EIRP power Limit (dBm)	36					
Margin (dB)	14.13	14.83	16.32	19.19	21.19	31.31
Measurement uncertainty (dB)	<±1.20					

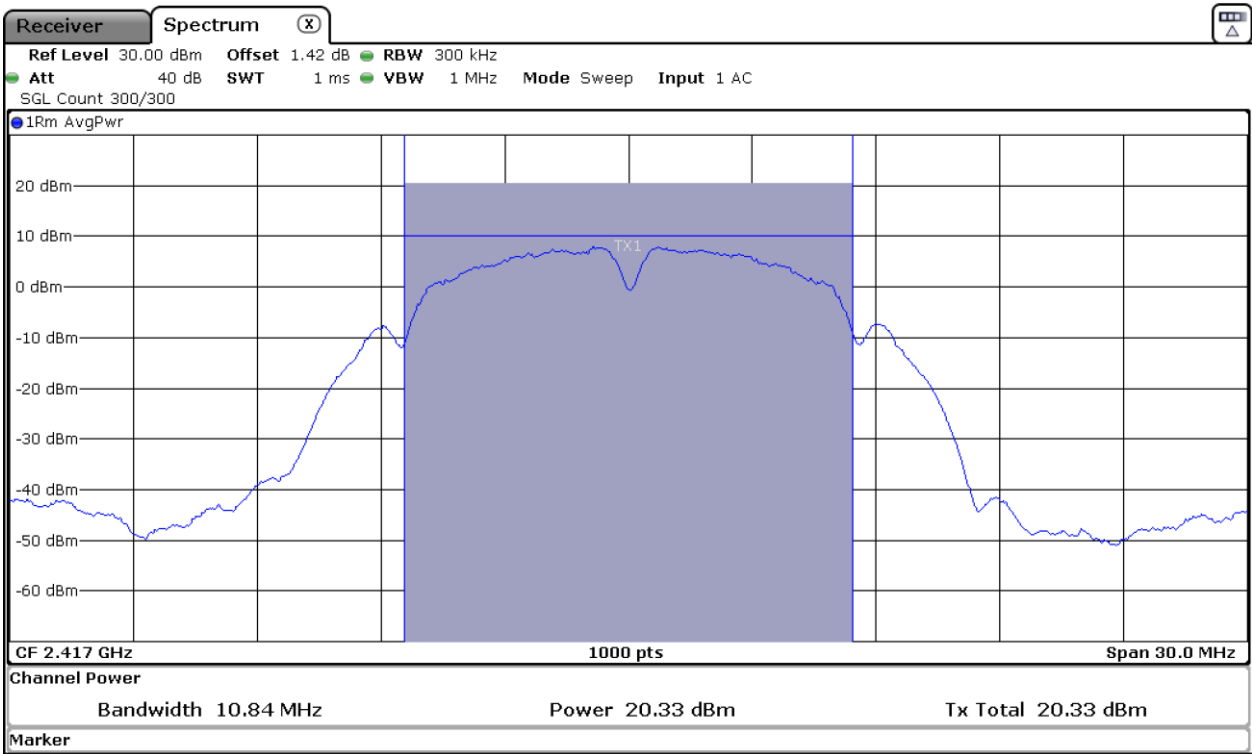
Verdict: PASS

Mode: 802.11b - 20MHz – SISO – CORE Aux

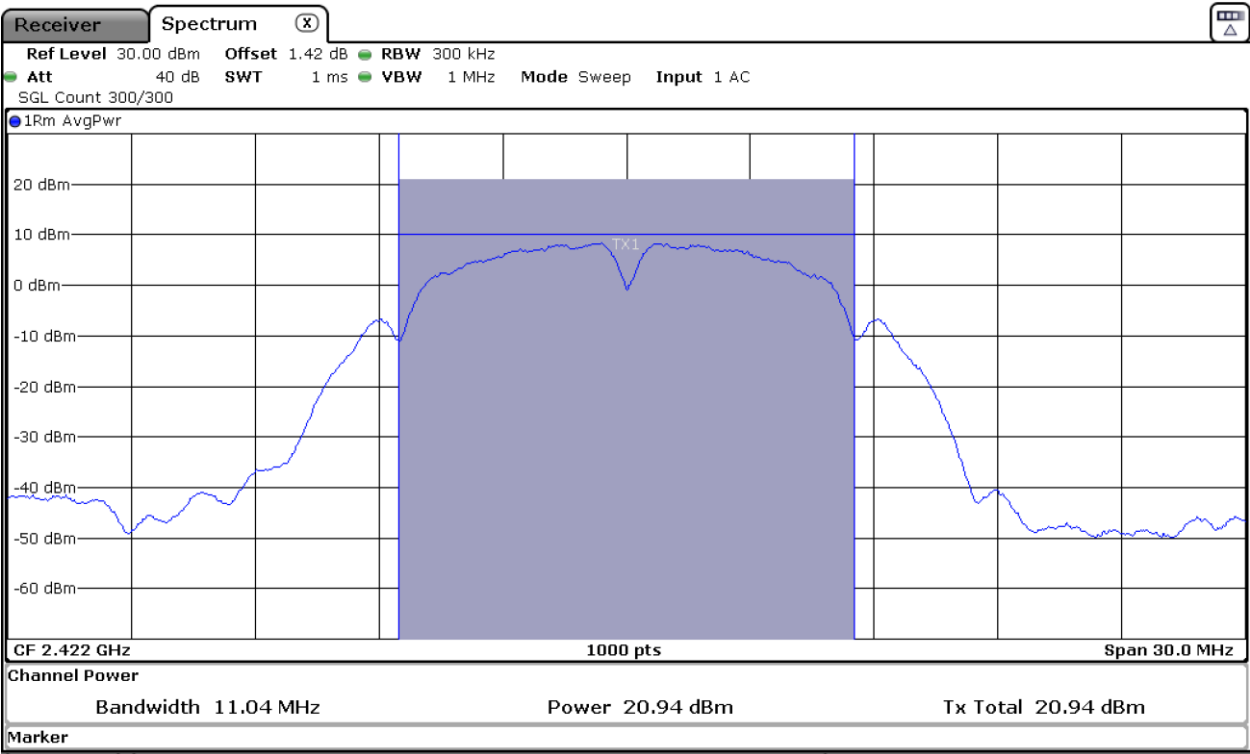
Channel 1



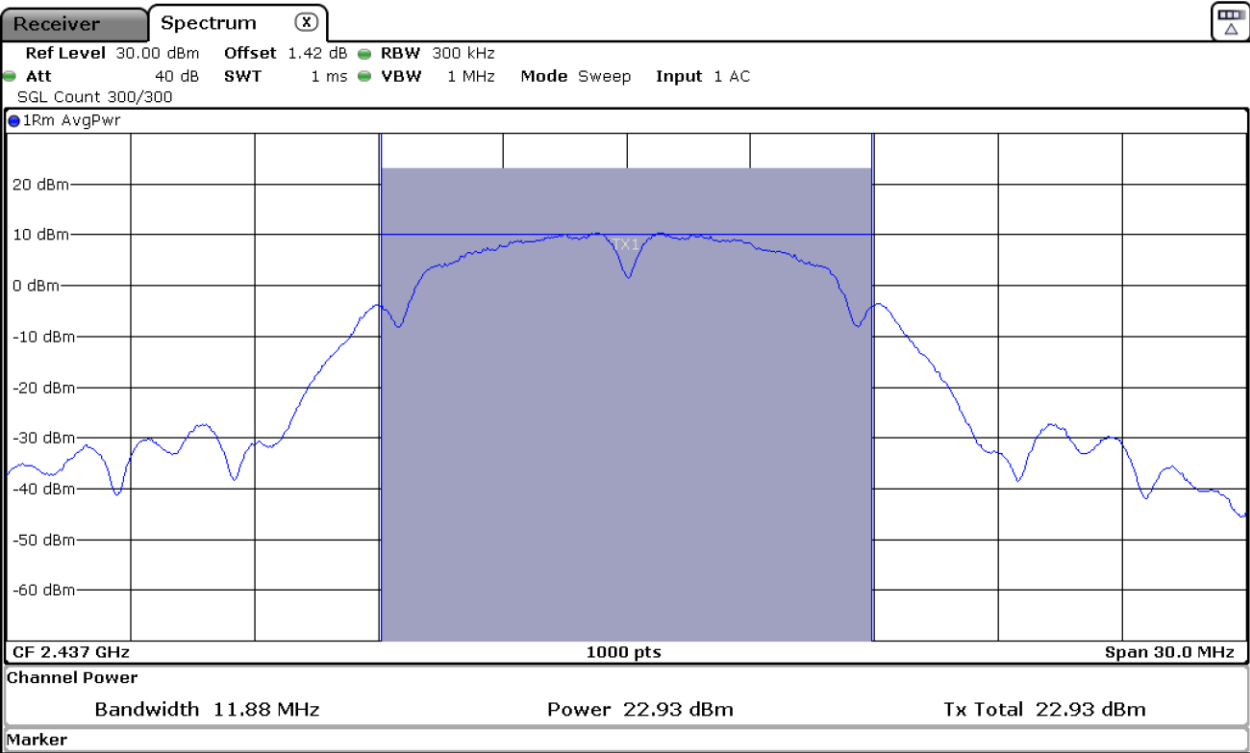
Channel 2



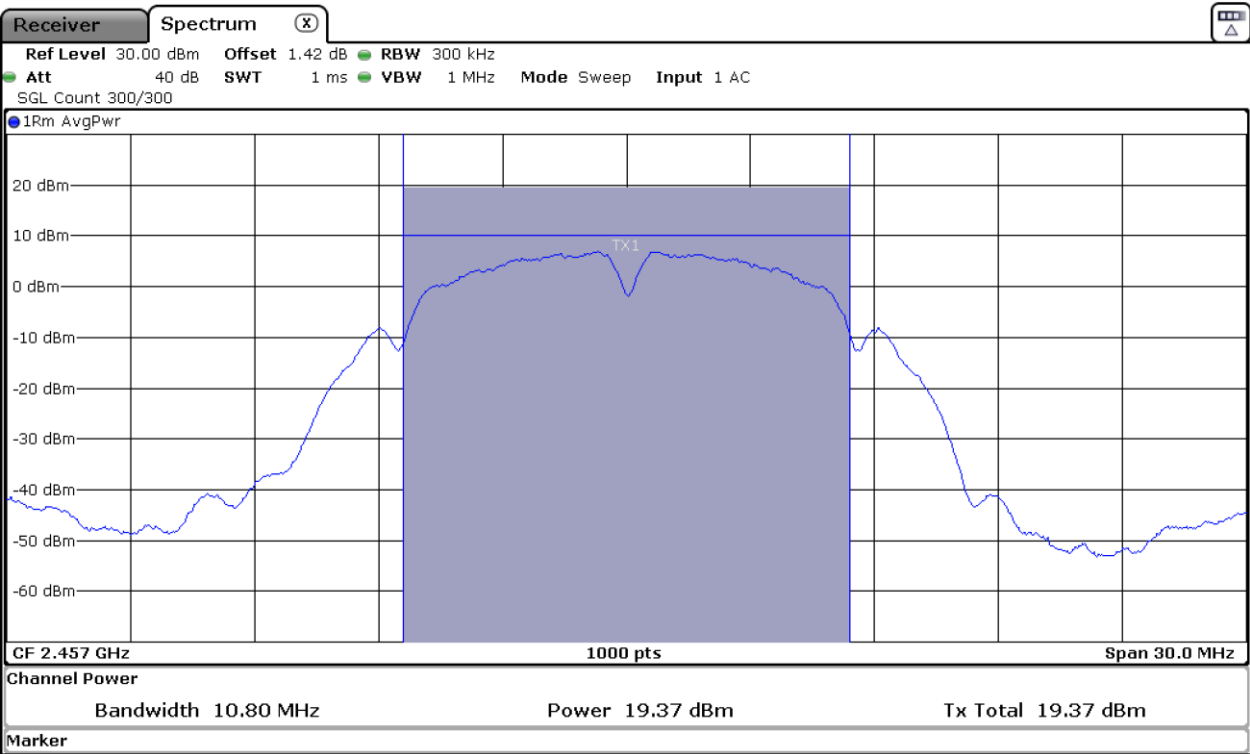
Channel 3



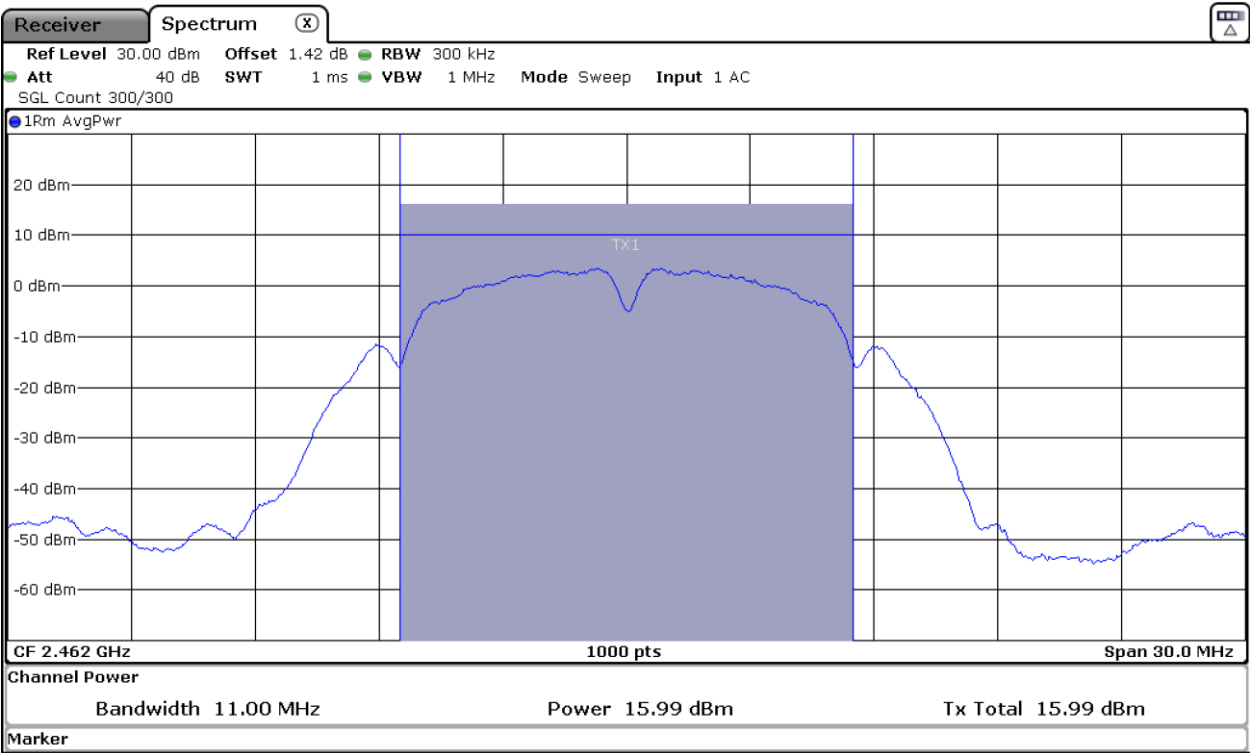
Channel 6



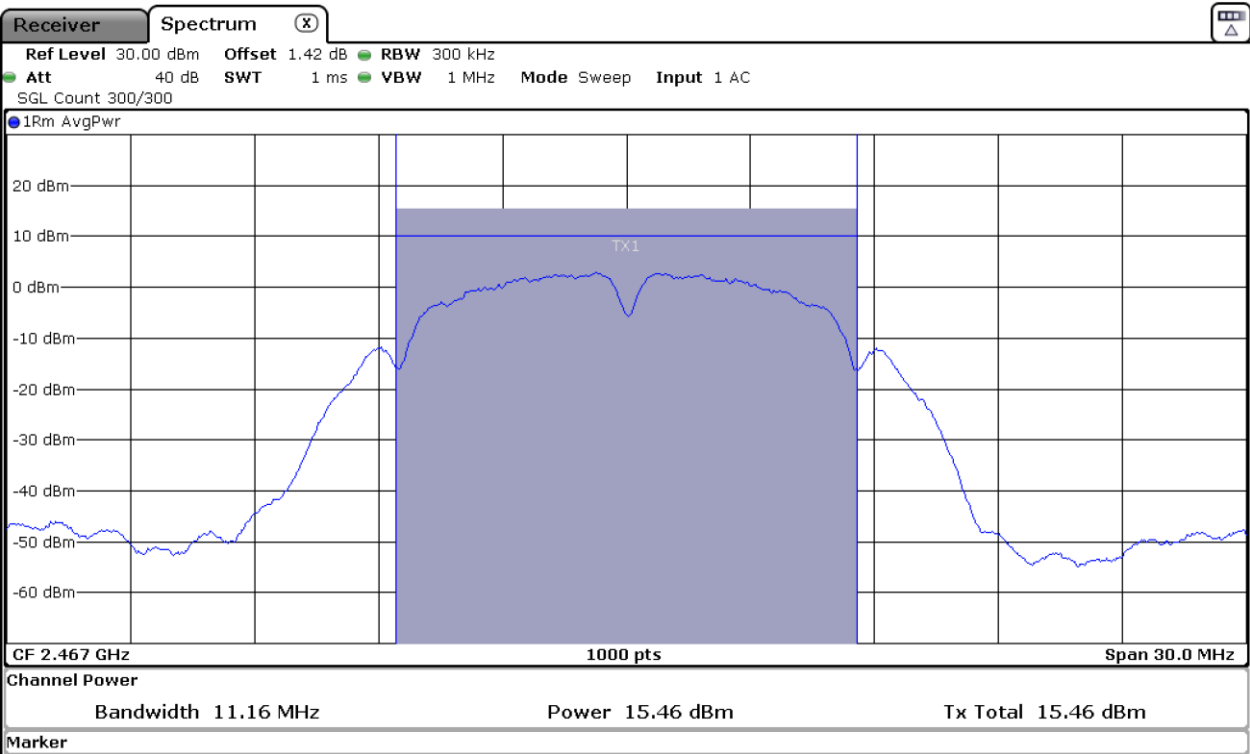
Channel 10



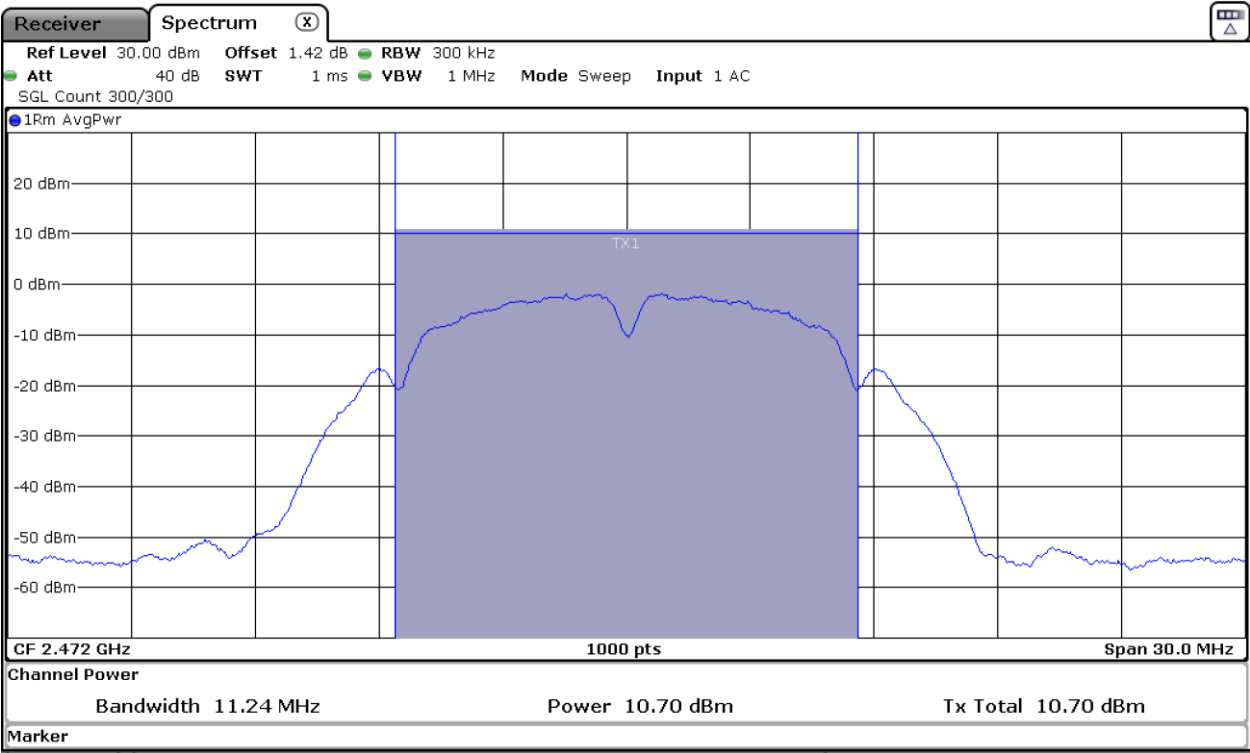
Channel 11



Channel 12

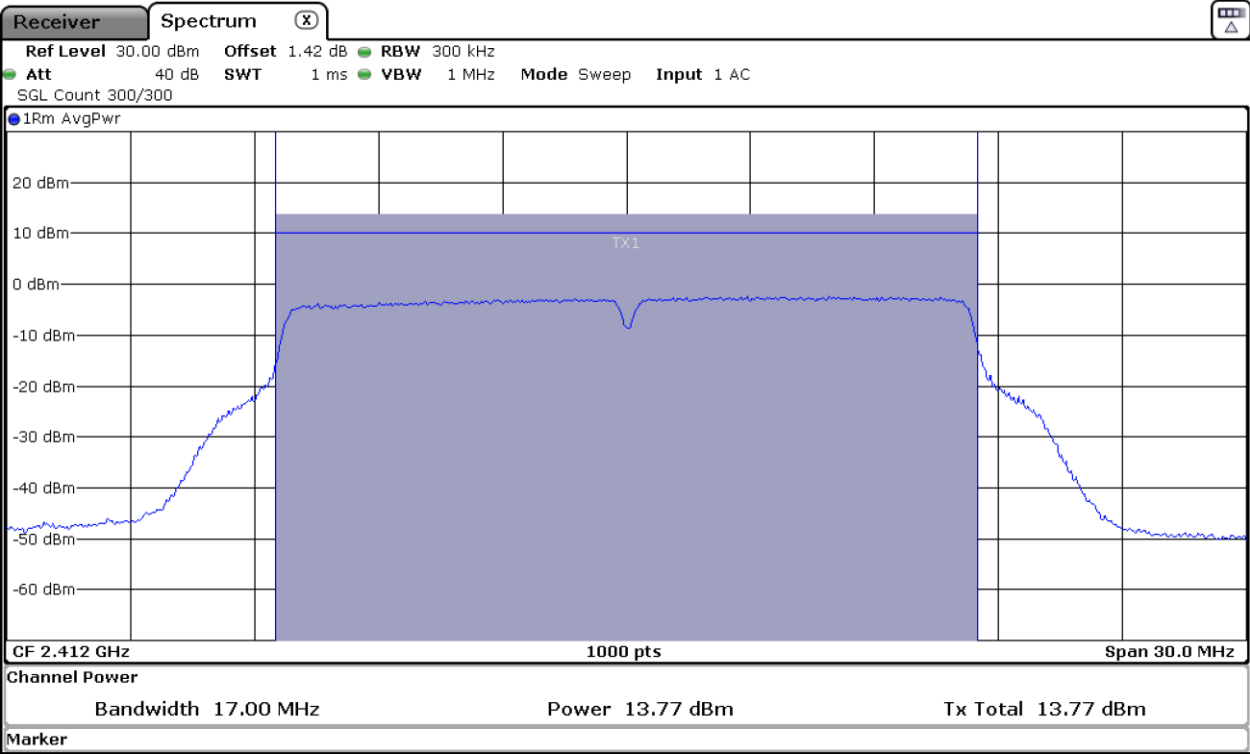


Channel 13

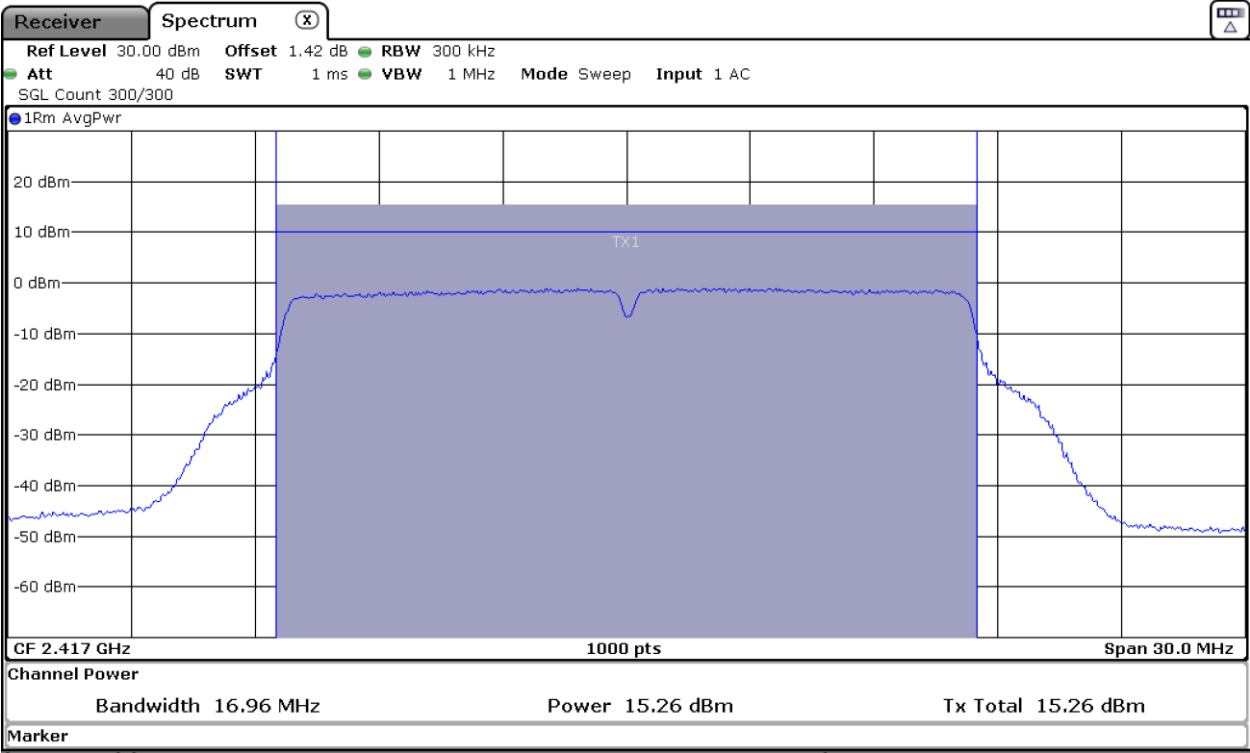


Mode: 802.11g - 20MHz – SISO – CORE Aux

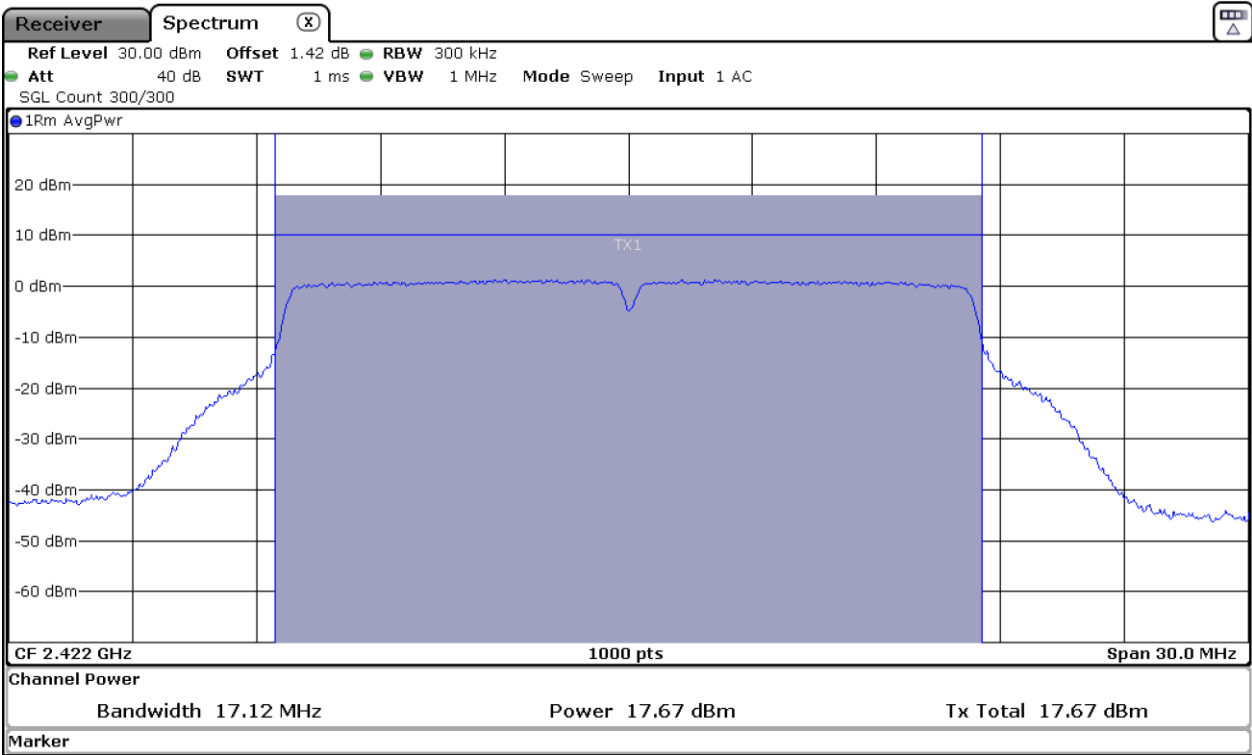
Channel 1



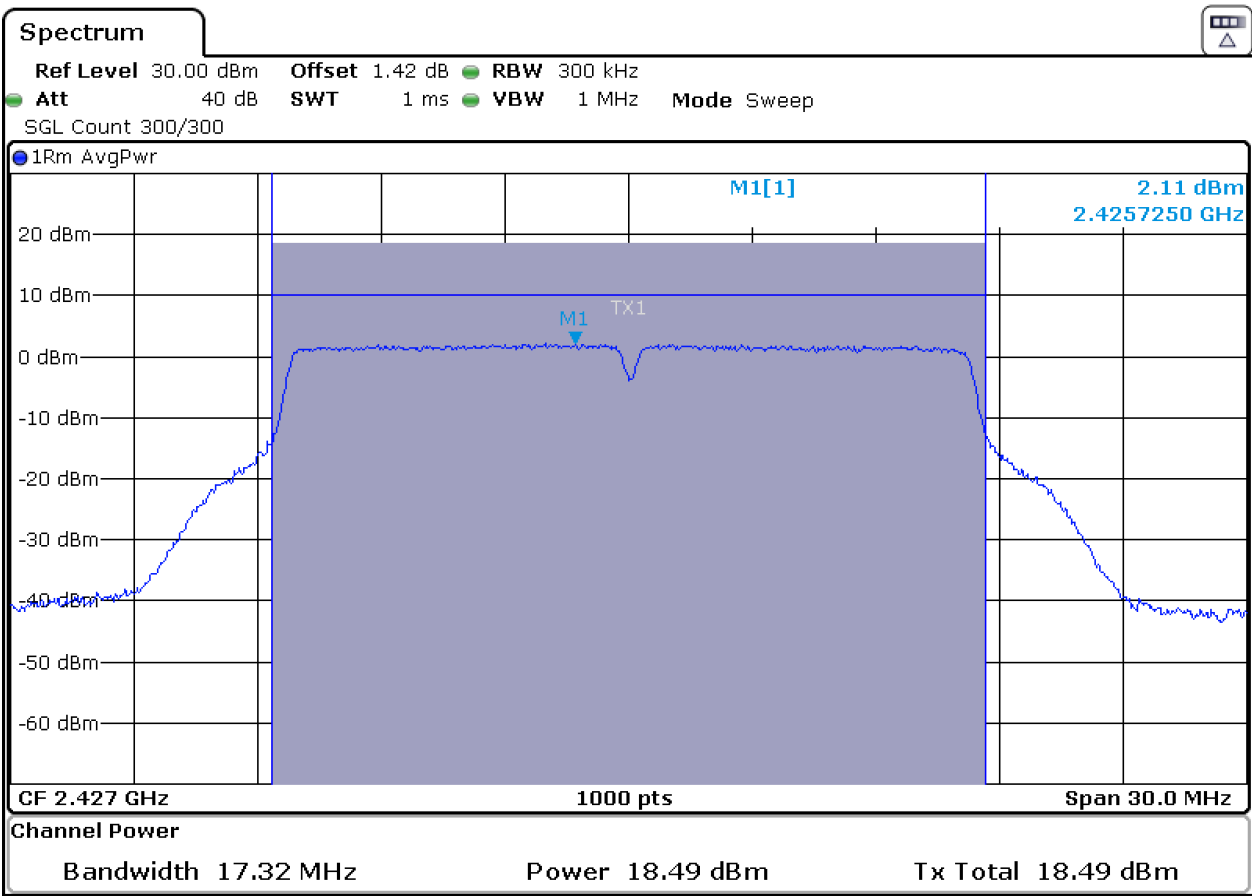
Channel 2



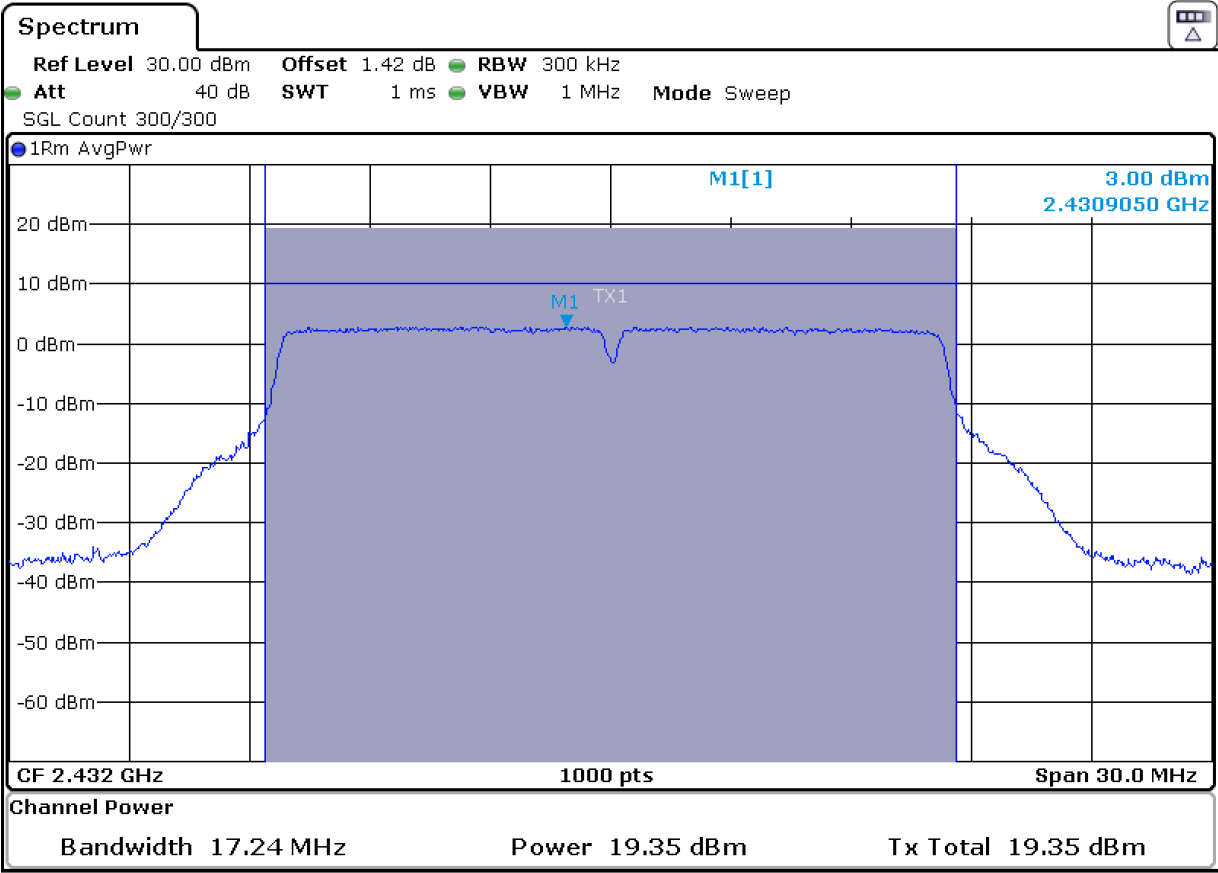
Channel 3



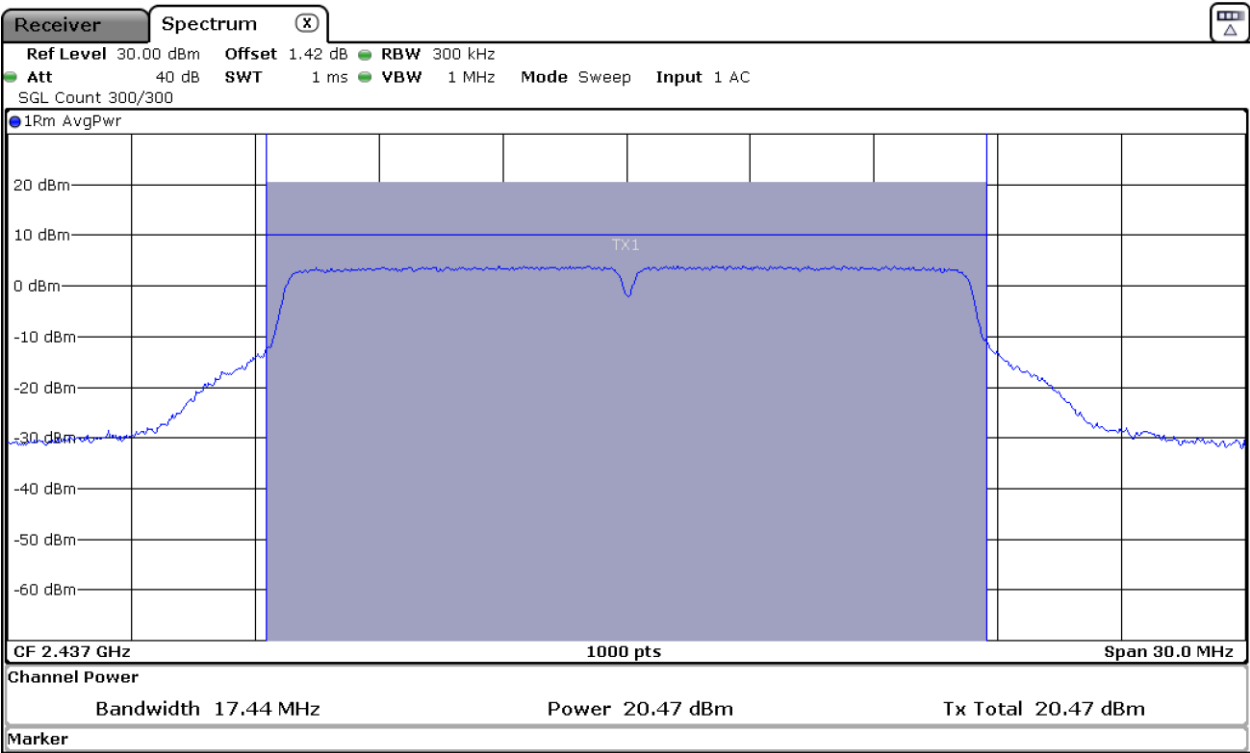
Channel 4



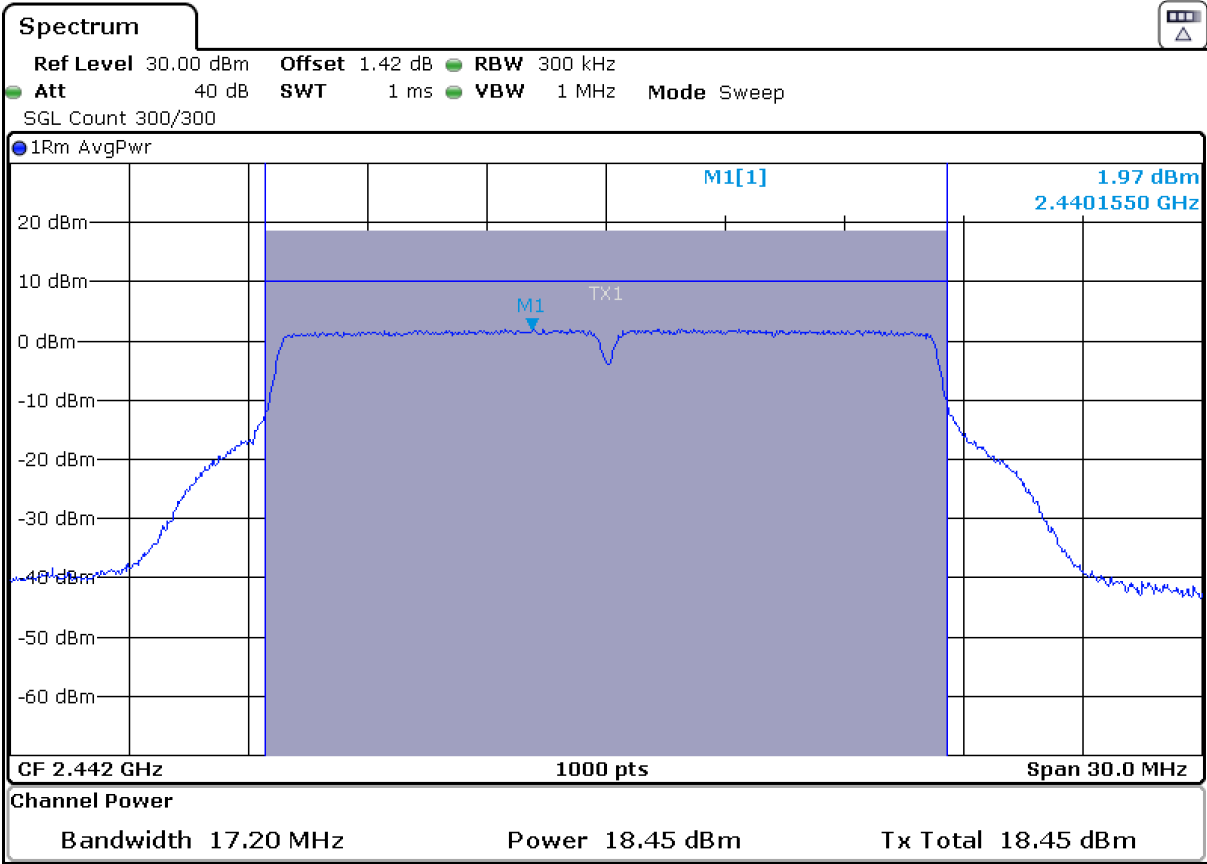
Channel 5



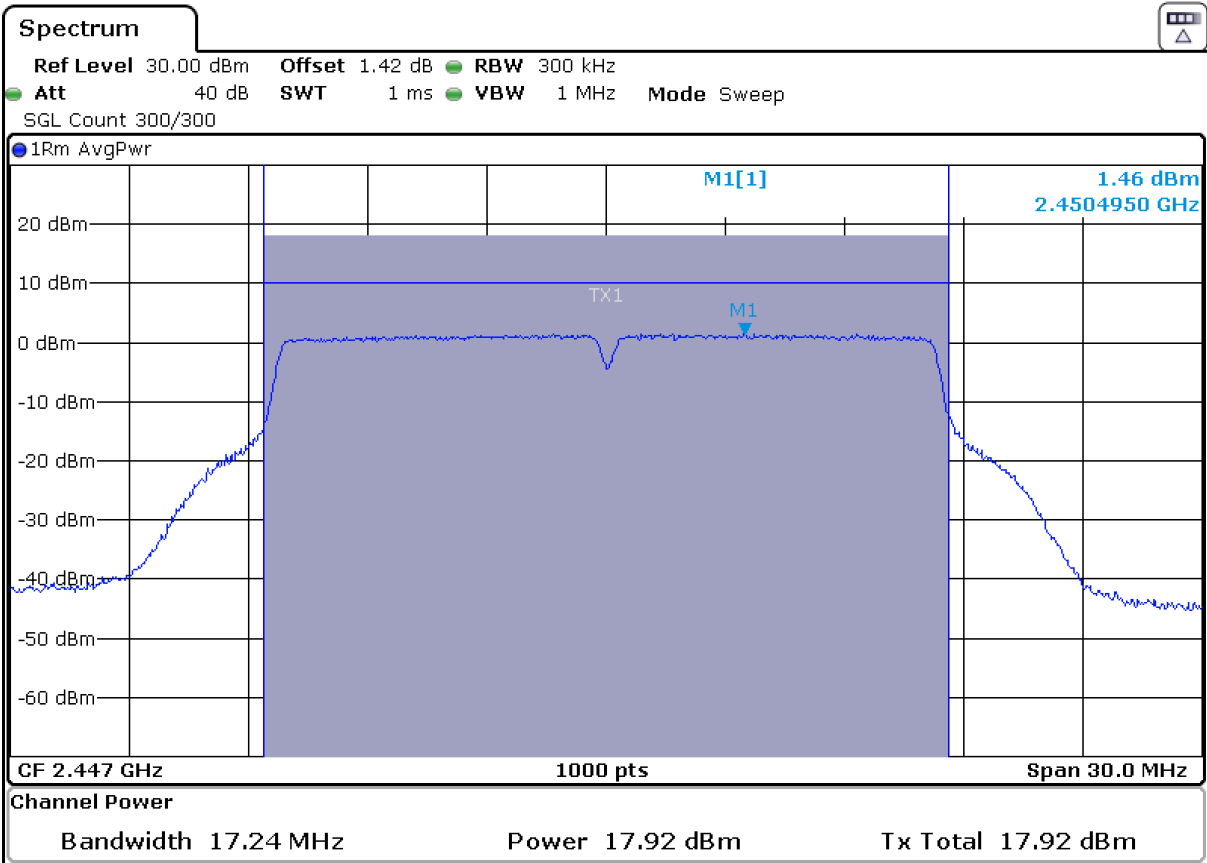
Channel 6



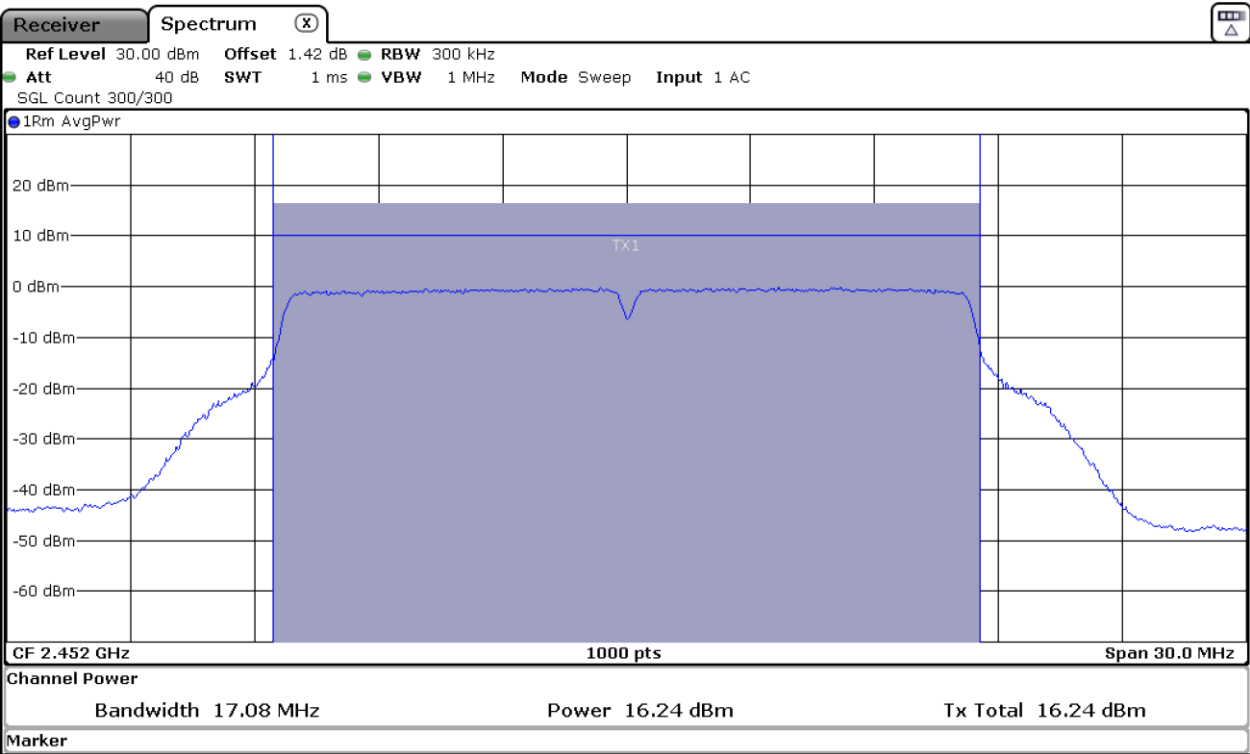
Channel 7



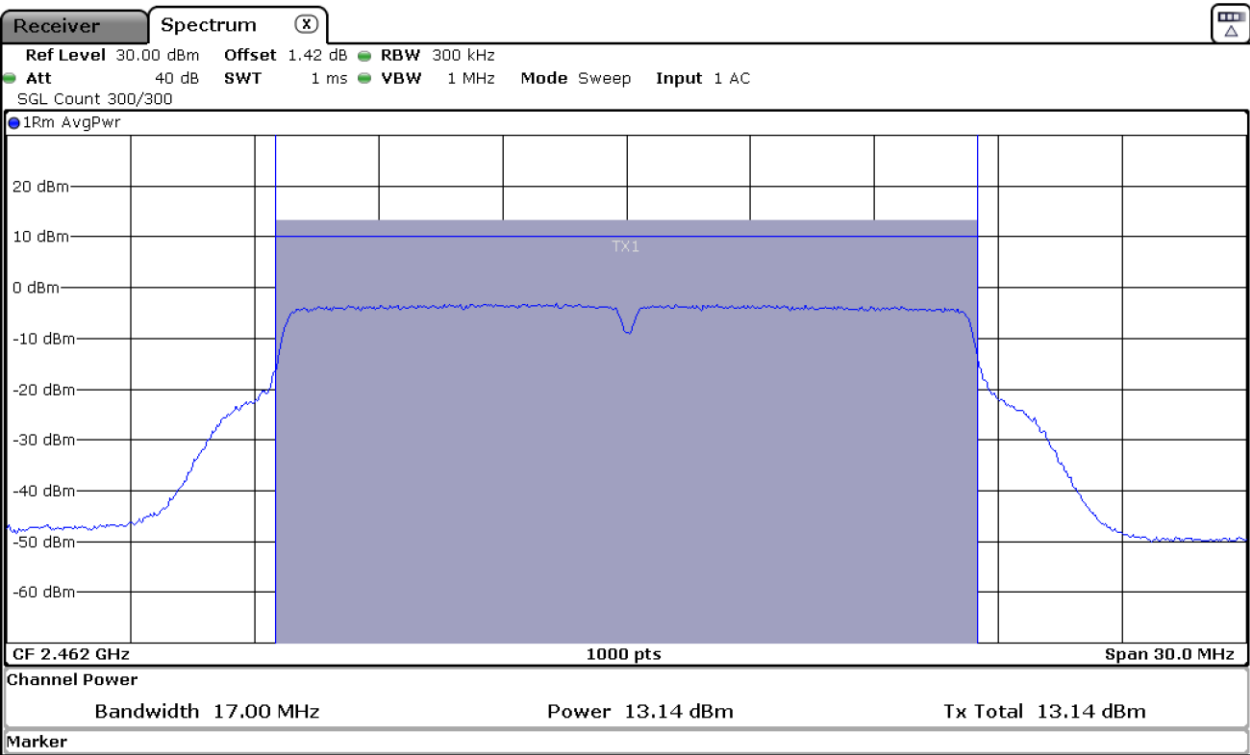
Channel 8



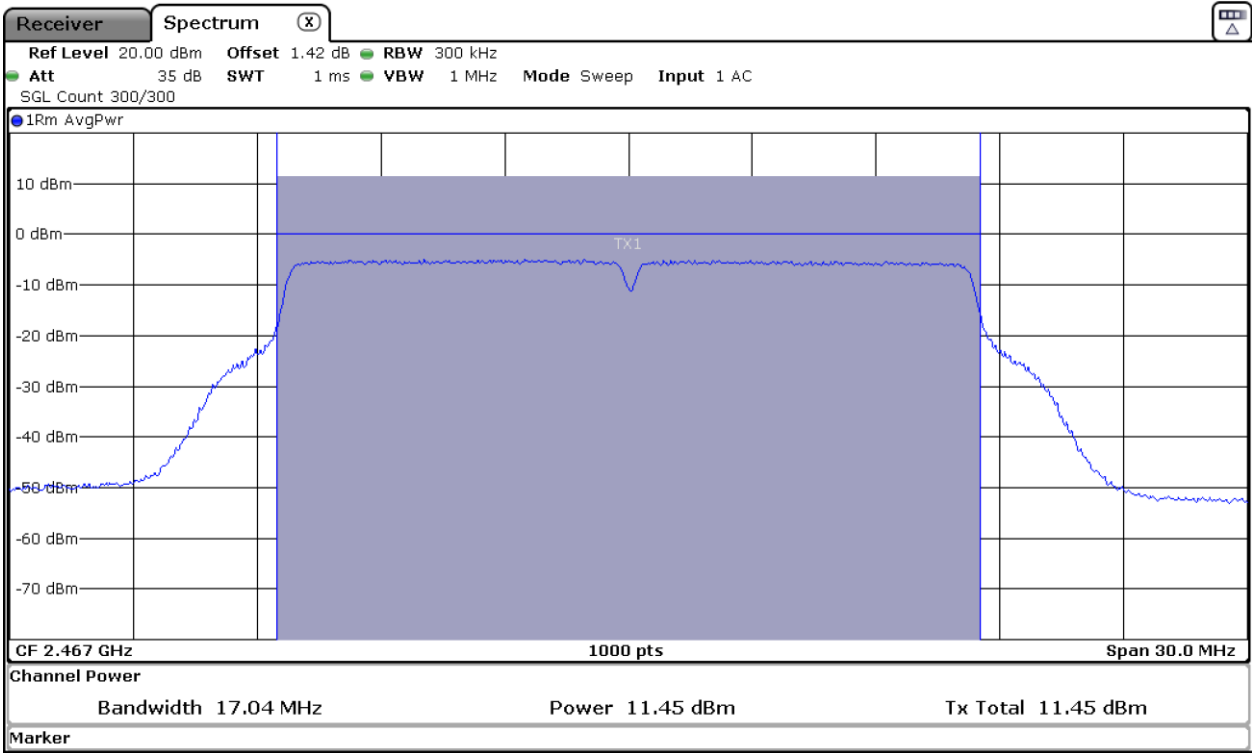
Channel 9



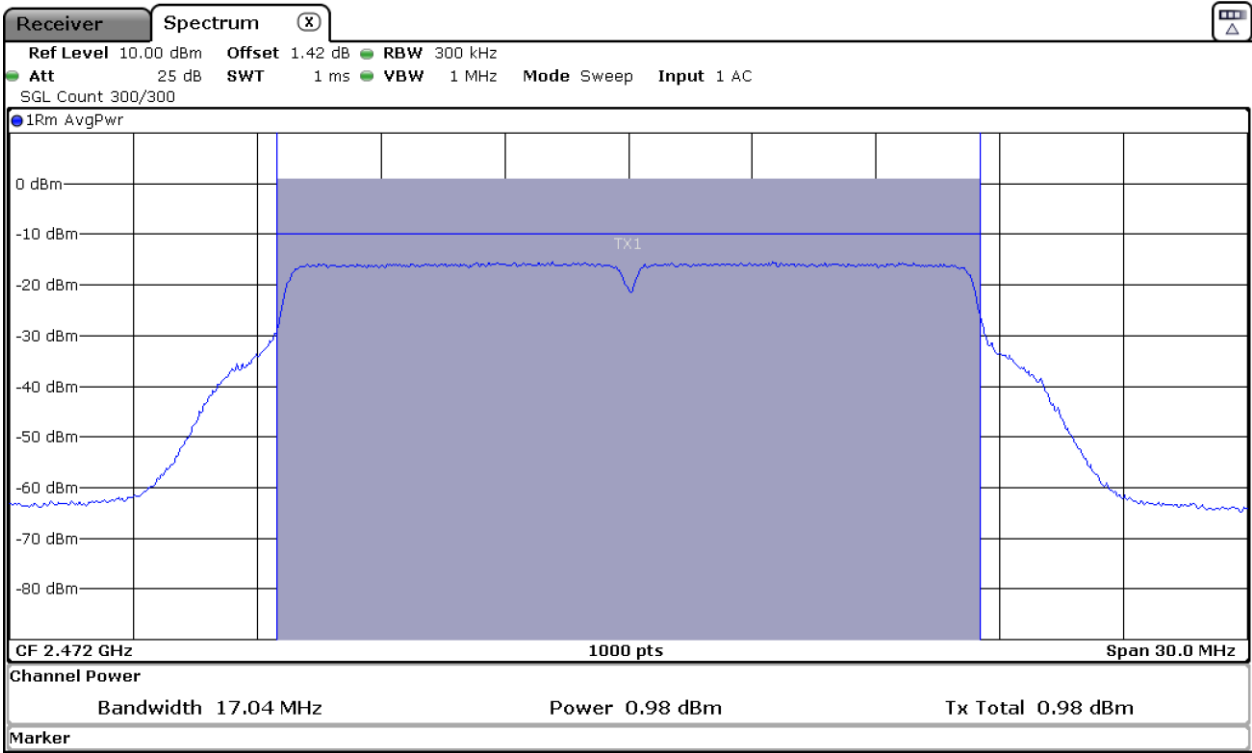
Channel 11



Channel 12

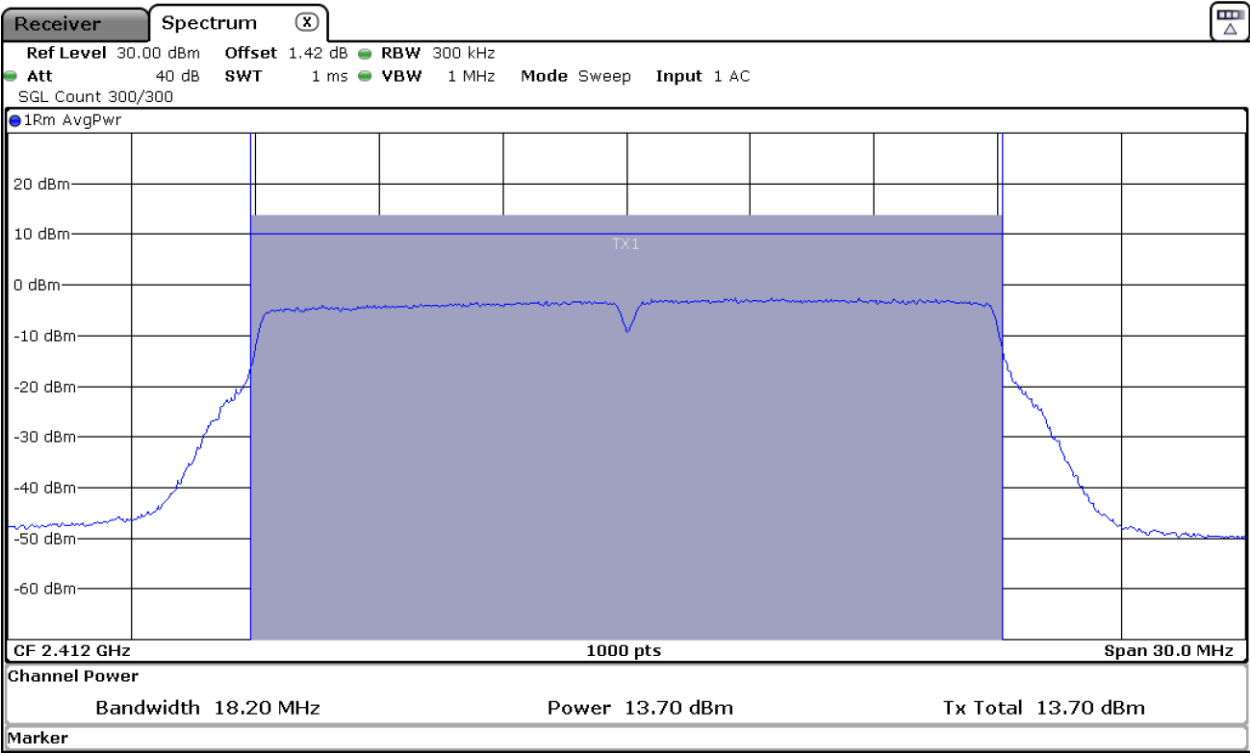


Channel 13

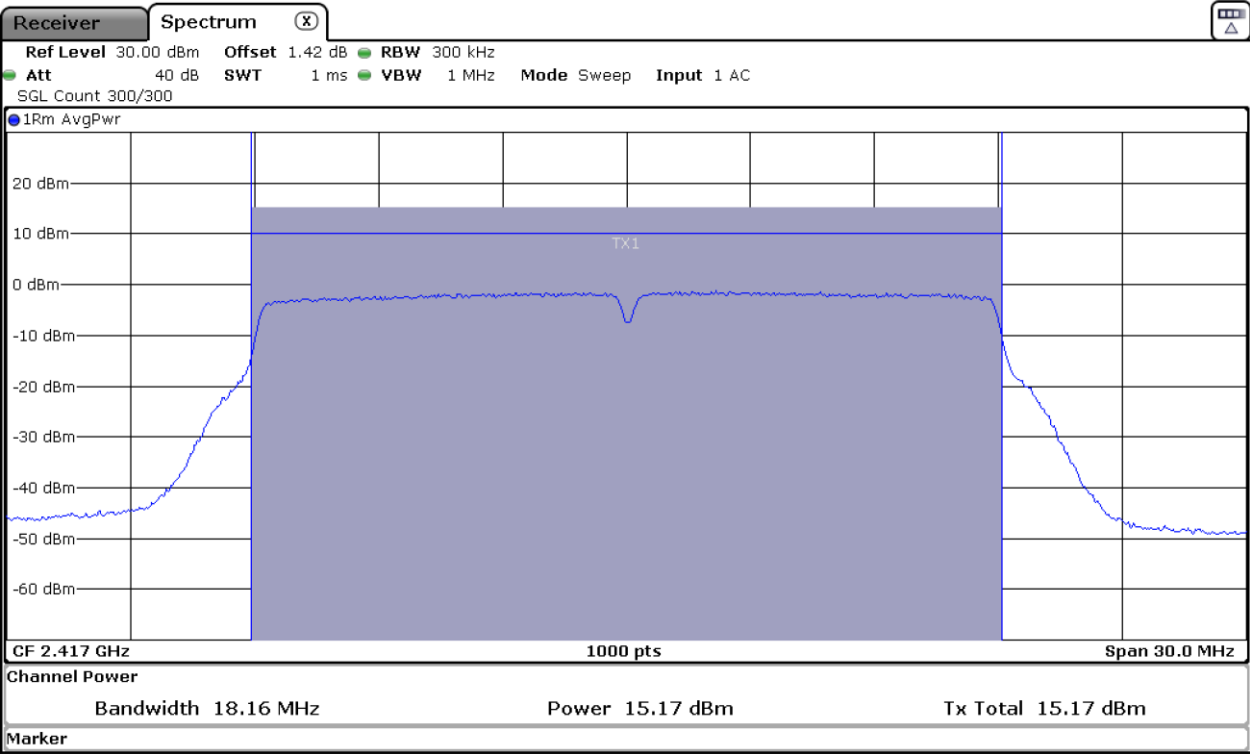


Mode: 802.11n HT20 - 20MHz – SISO – CORE 0

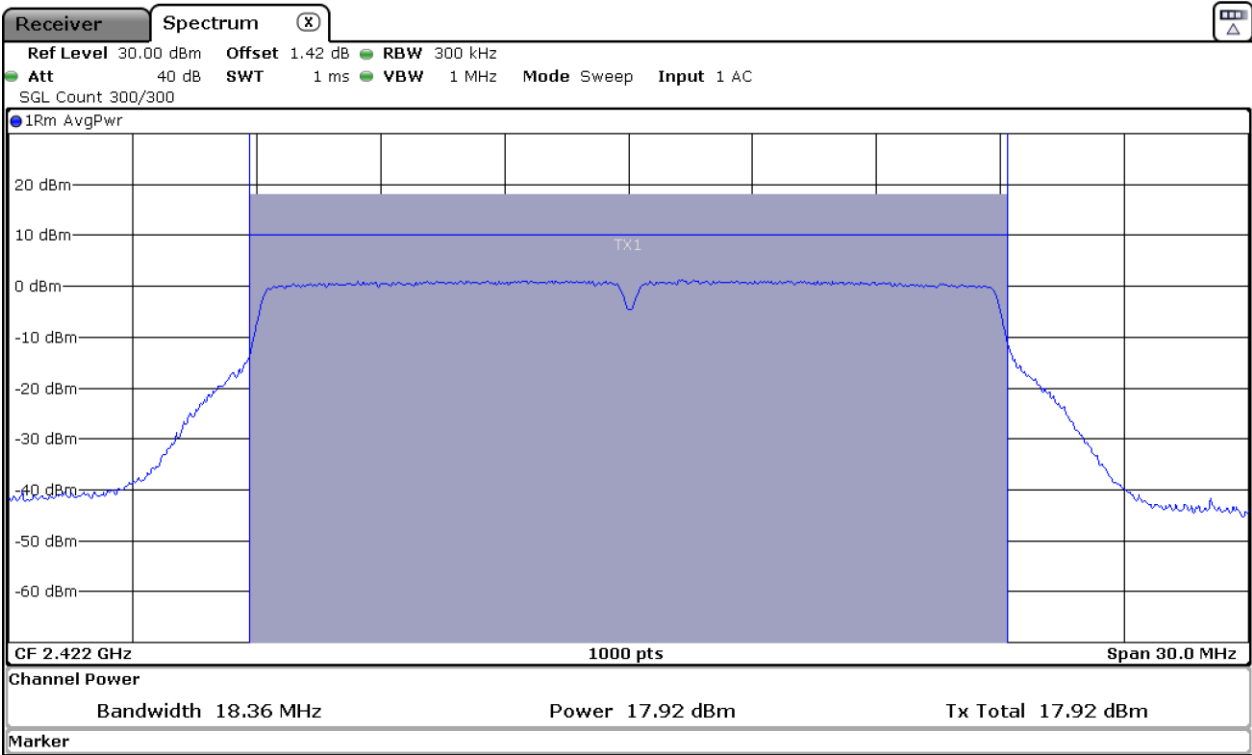
Channel 1



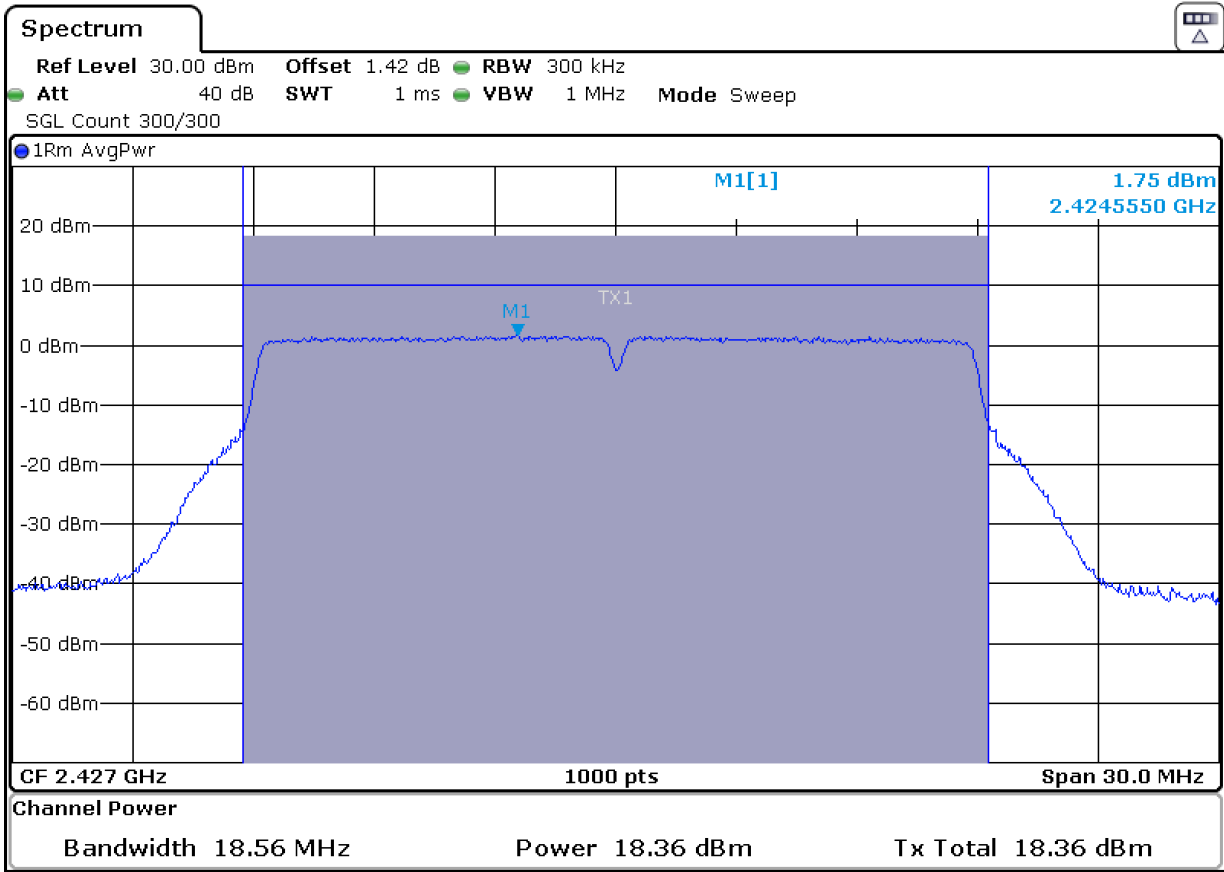
Channel 2



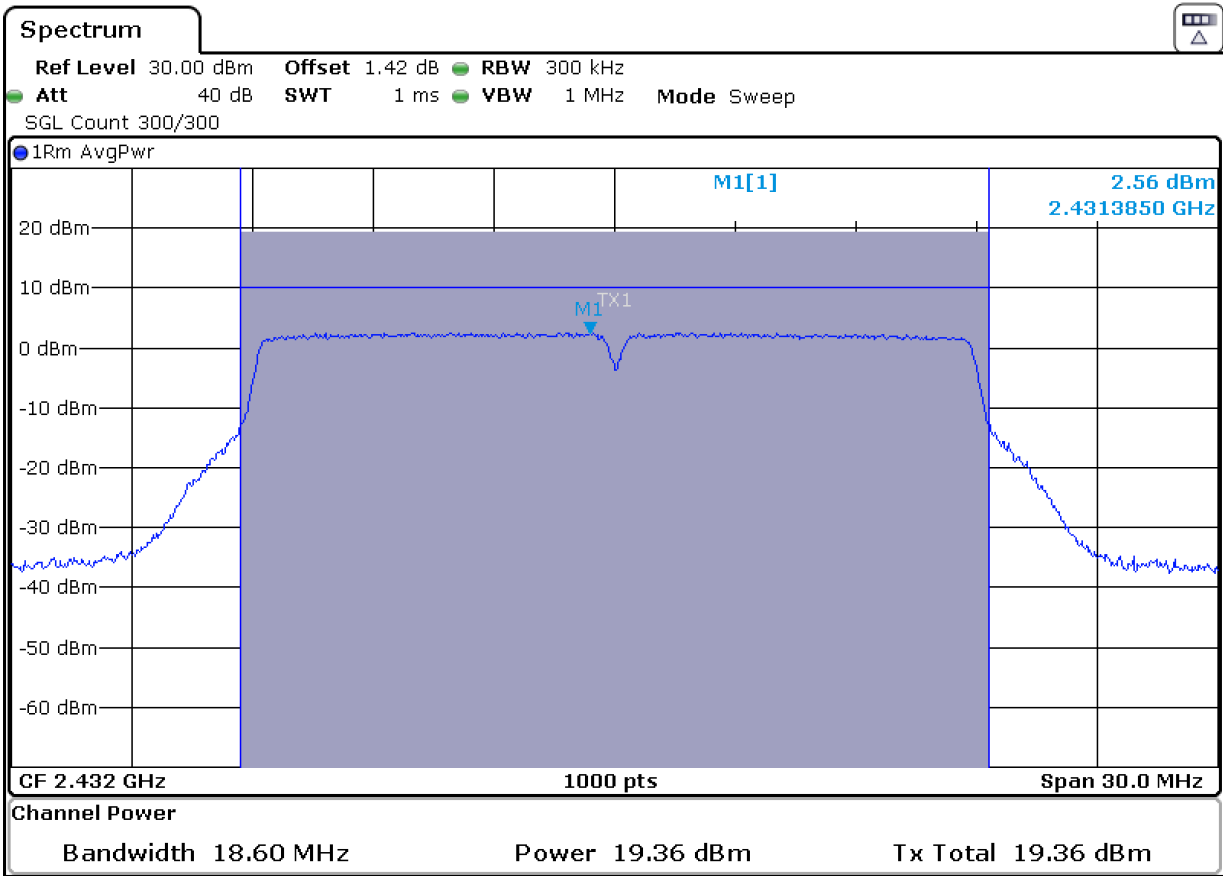
Channel 3



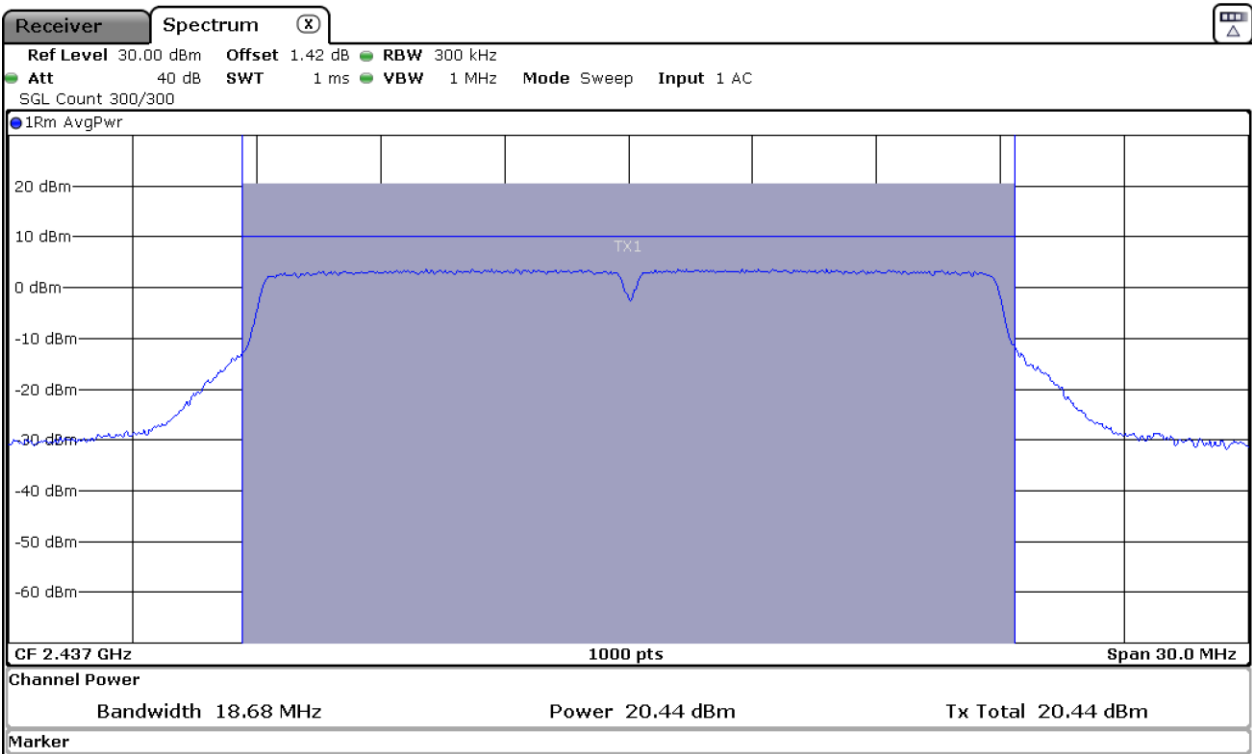
Channel 4



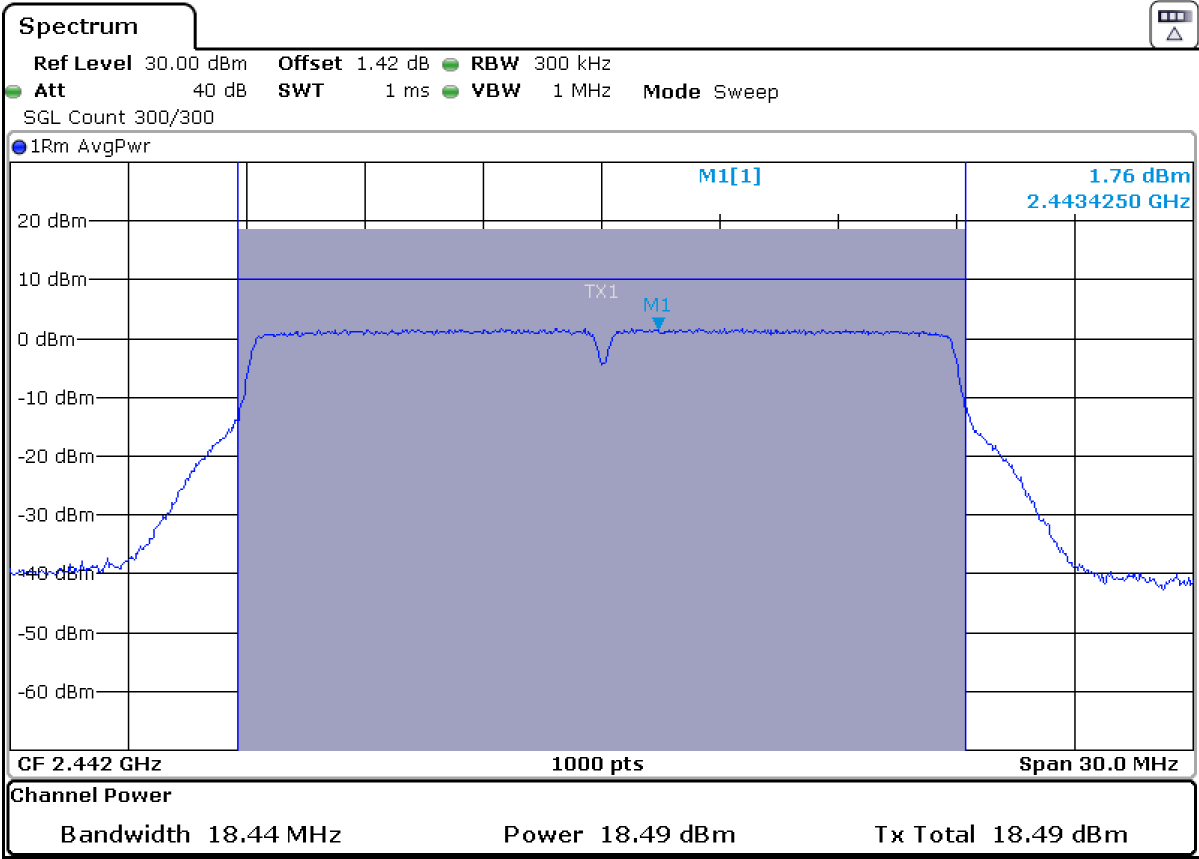
Channel 5



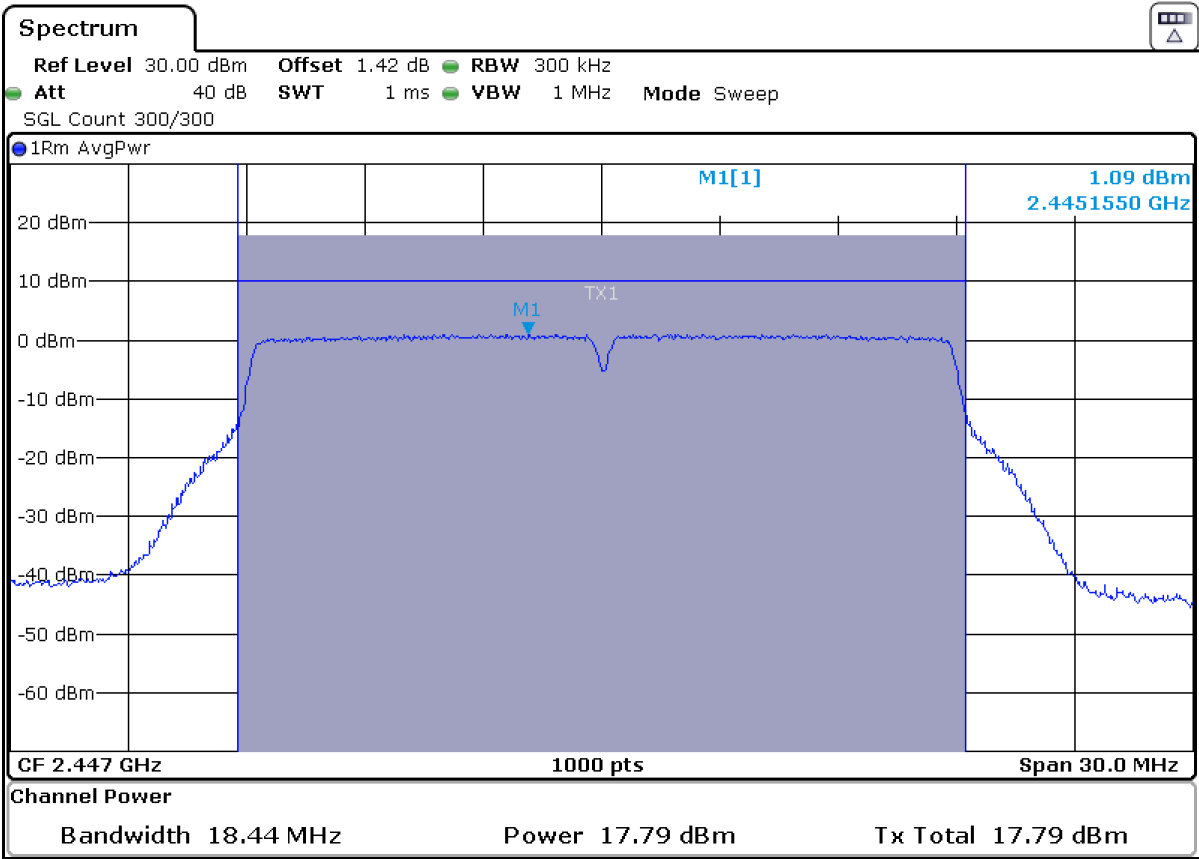
Channel 6



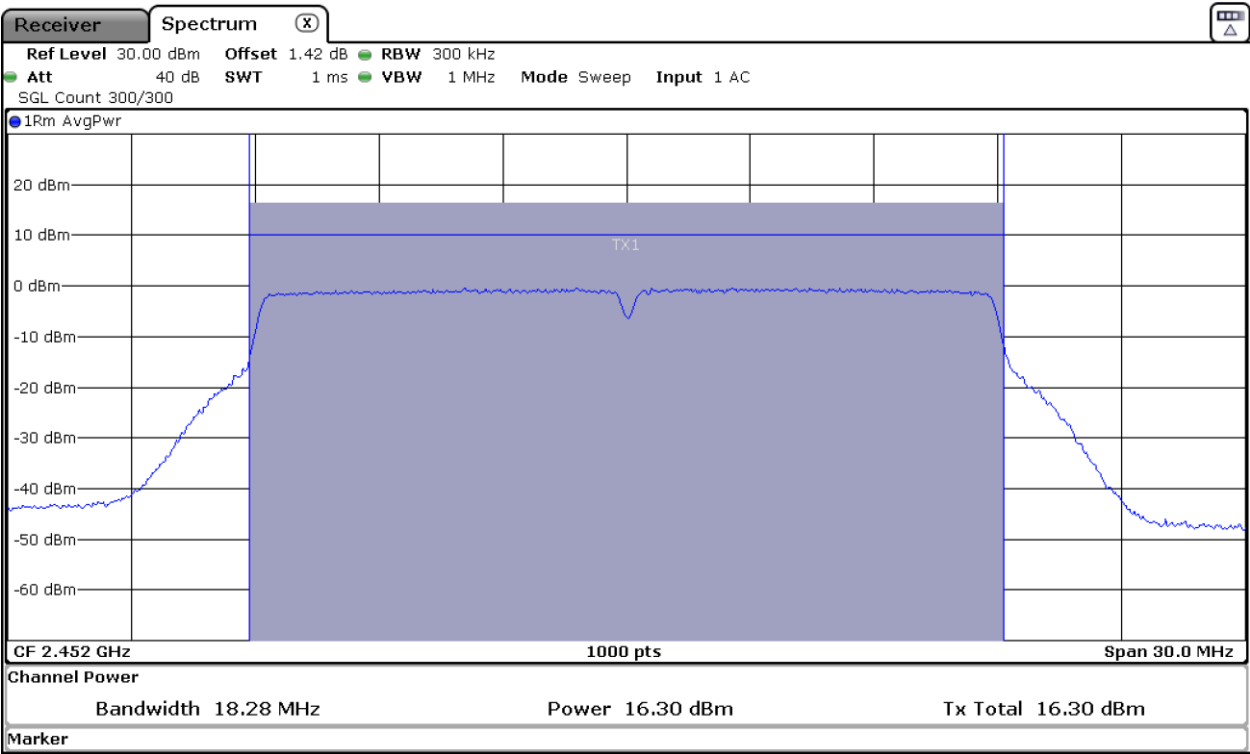
Channel 7



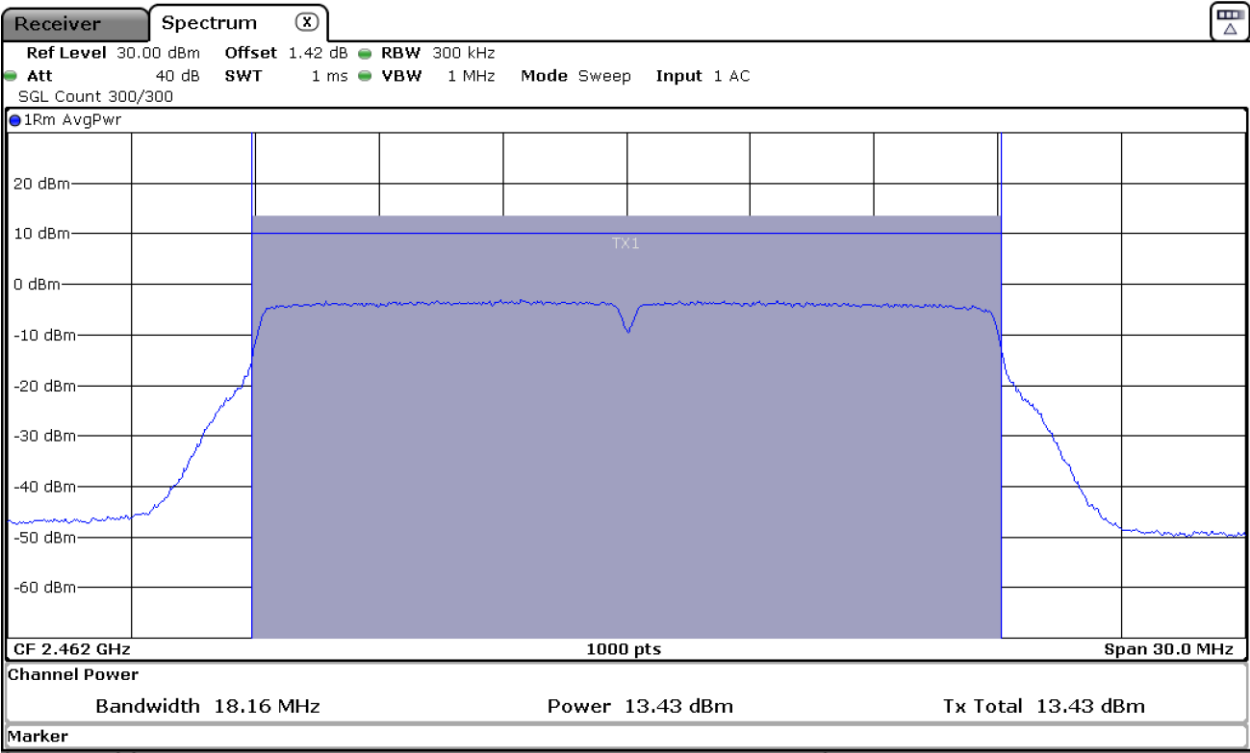
Channel 8



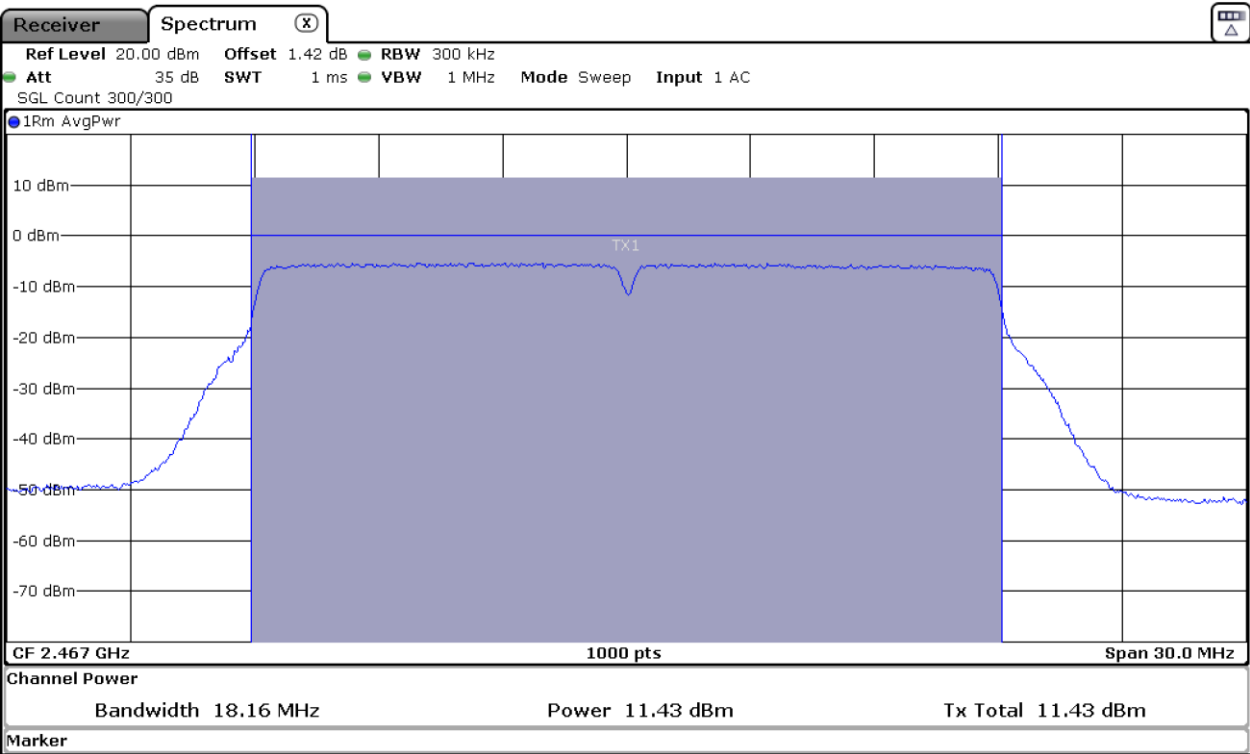
Channel 9



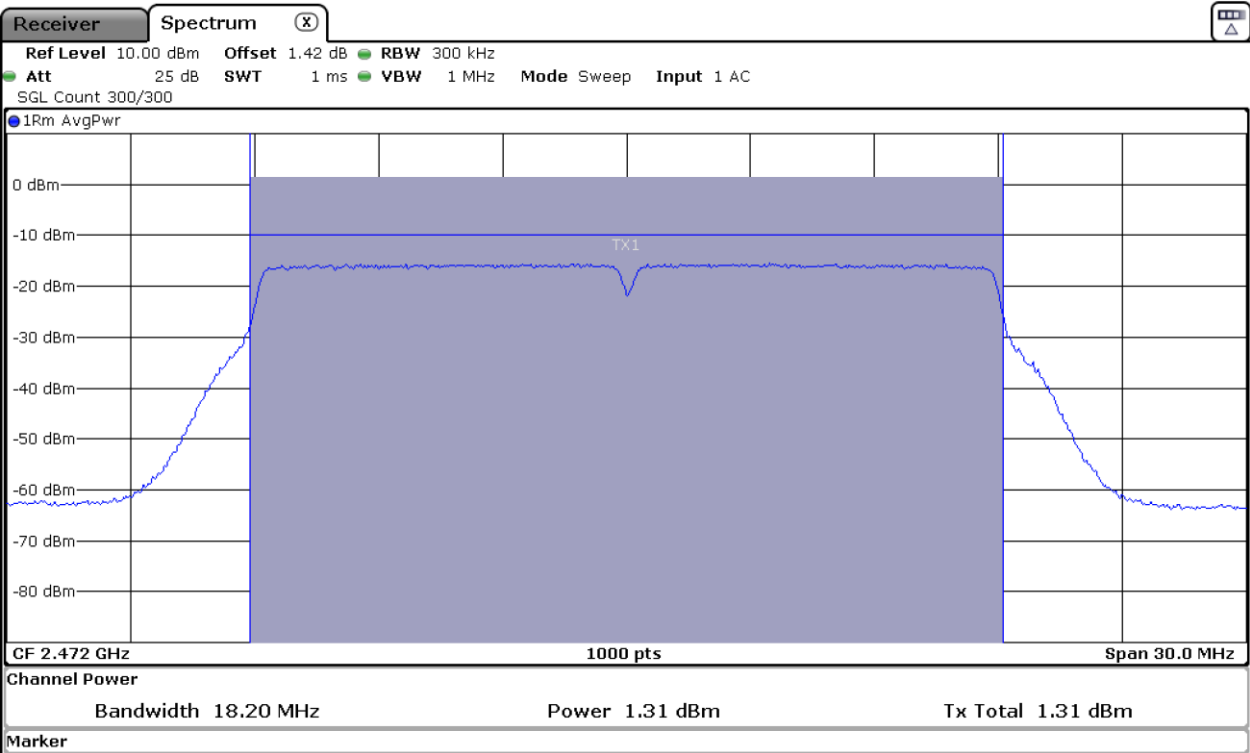
Channel 11



Channel 12



Channel 13



FCC Section 15.247 Subclause (e) / RSS-247 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:

The maximum (average) conducted PSD level was measured using the method according to the Guidance for Performing Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid Systems Devices Operating Under Section 15.247 of the FCC Rules. 558074 D01 Meas Guidance v05 dated August 24, 2018.

The EUT was transmitting at >98% duty cycle and the testing was performed in according with Method AVGPS-1.

Test performed on the following worst cases in all relevant tests channels:

- 802.11b: 1 Mbit/s / SISO on Core Aux
- 802.11g: 6 Mbit/s / SISO on Core aux
- 802.11n HT20: MCS0 / SISO on Core Aux

The PSD was measured on all ports and then using the measure and sum spectral maxima across the outputs technique, stated in FCC KDB 662911 D01 Section E)2)b).

Mode : 802.11b - 20MHz – SISO – CORE Aux

	channel 1 2412 MHz	channel 2 2417 MHz	channel 3 2422 MHz	channel 6 2437 MHz
PSD Level (dBm/100kHz)	1.86	3.34	3.9	6.64
PSD Level Limit (dBm/3kHz)	8			
Margin (dB)	6.14	4.66	4.1	1.36
Measurement uncertainty (dB)	<±0.78			

	channel 10 2457 MHz	channel 11 2462 MHz	channel 12 2467 MHz	channel 13 2472 MHz
PSD Level (dBm/100kHz)	2.35	-1.38	-1.67	-6.42
PSD Level Limit (dBm/3kHz)	8			
Margin (dB)	5.65	9.38	9.67	14.42
Measurement uncertainty (dB)	<±0.78			

Mode : 802.11g - 20MHz – SISO – CORE Aux

	channel 1 2412 MHz	channel 2 2417 MHz	channel 3 2422 MHz	channel 4 2427 MHz	channel 5 2437 MHz	channel 6 2437 MHz
PSD Level (dBm/100kHz)	-6.30	-4.76	-2.37	-1.53	-0.42	0.23
PSD Level Limit (dBm/3kHz)	8					
Margin (dB)	14.3	12.76	10.37	9.53	8.42	7.77
Measurement uncertainty (dB)	<±0.78					

	channel 7 2442 MHz	channel 8 2447 MHz	channel 9 2452 MHz	channel 11 2462 MHz	channel 12 2467 MHz	channel 13 2472 MHz
PSD Level (dBm/100kHz)	-1.63	-2.29	-3.96	-6.99	-8.37	-18.93
PSD Level Limit (dBm/3kHz)	8					
Margin (dB)	9.63	10.29	11.96	14.99	16.37	26.93
Measurement uncertainty (dB)	<±0.78					

Mode : 802.11n HT20 - 20MHz – SISO – CORE Aux

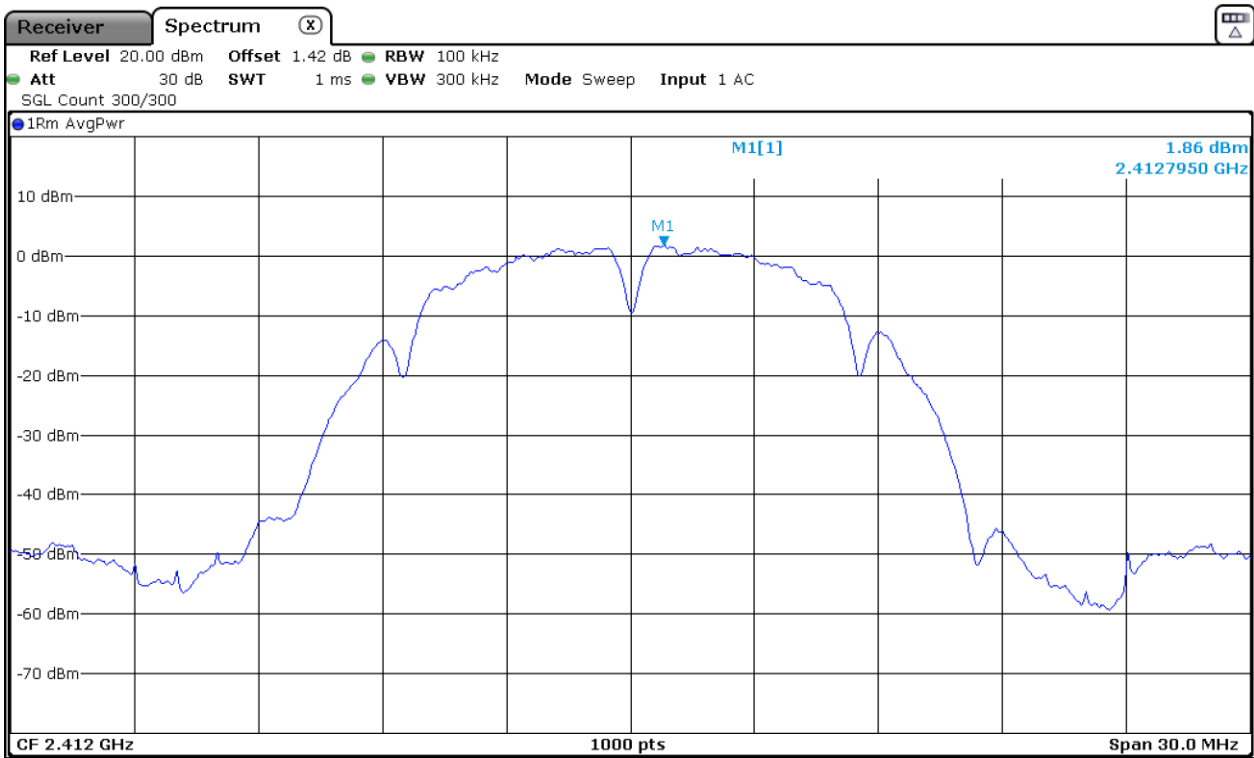
	channel 1 2412 MHz	channel 2 2417 MHz	channel 3 2422 MHz	channel 4 2427 MHz	channel 5 2432 MHz	channel 6 2437 MHz
PSD Level (dBm/100kHz)	-6.68	-5.08	-2.58	-1.82	-1.25	0.03
PSD Level Limit (dBm/3kHz)	8					
Margin (dB)	14.68	13.08	10.58	9.82	9.25	7.97
Measurement uncertainty (dB)	<±0.78					

	channel 7 2442 MHz	channel 8 2447 MHz	channel 9 2452 MHz	channel 11 2462 MHz	channel 12 2462 MHz	channel 13 2472 MHz
PSD Level (dBm/100kHz)	-1.95	-2.72	-4.13	-7.25	-9.01	-19.25
PSD Level Limit (dBm/3kHz)	8					
Margin (dB)	9.95	10.72	12.13	15.25	17.01	27.25
Measurement uncertainty (dB)	<±0.78					

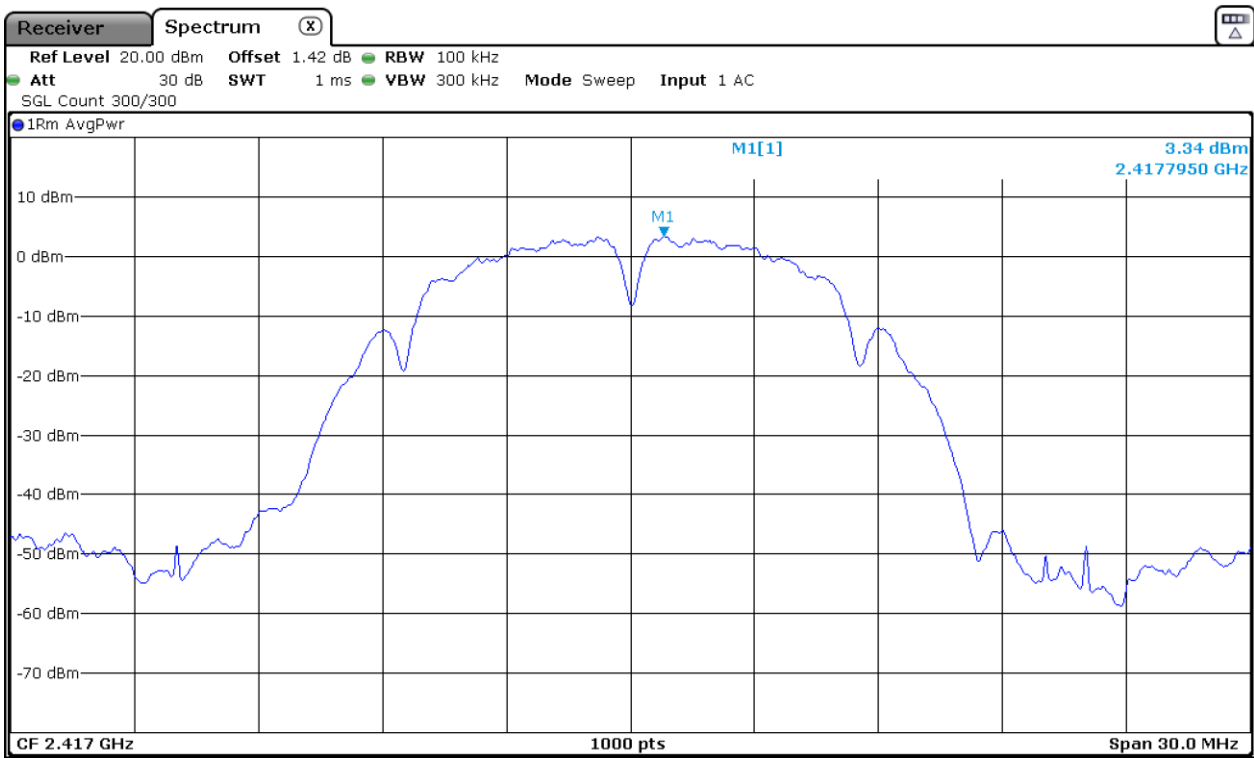
Verdict: PASS

Mode: 802.11b - 20MHz - SISO - CORE Aux

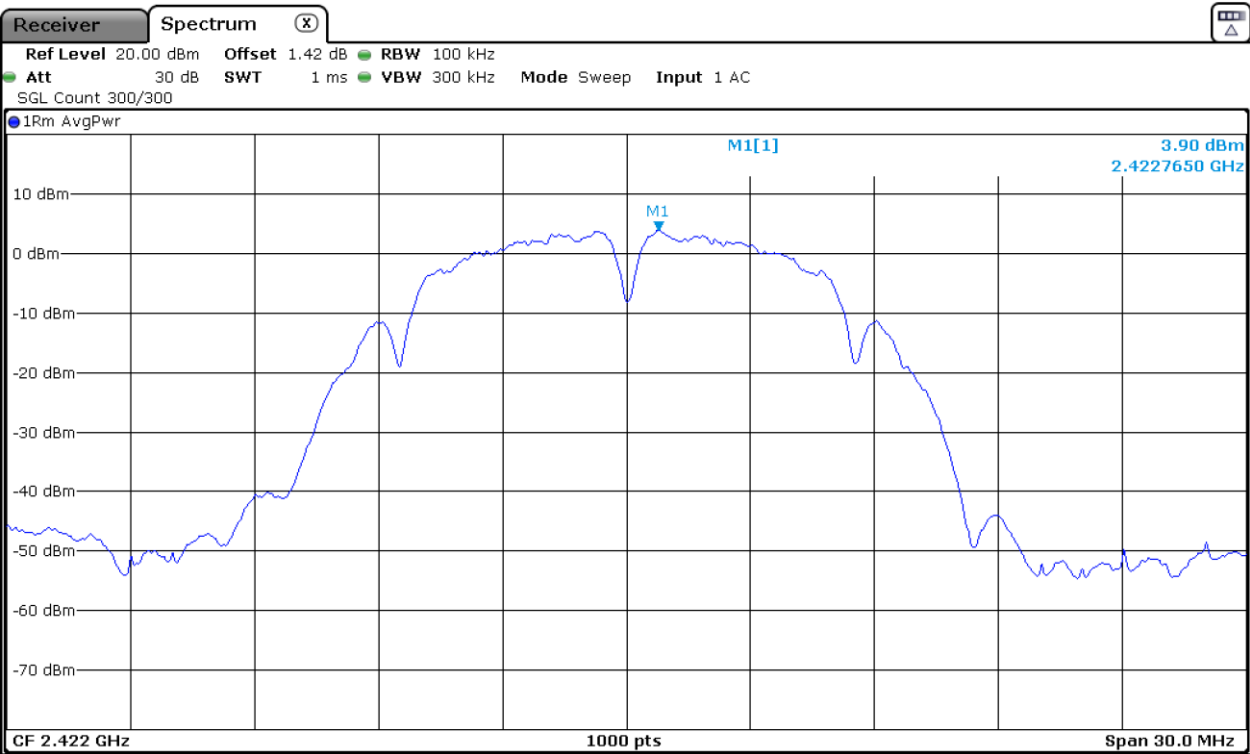
Channel 1



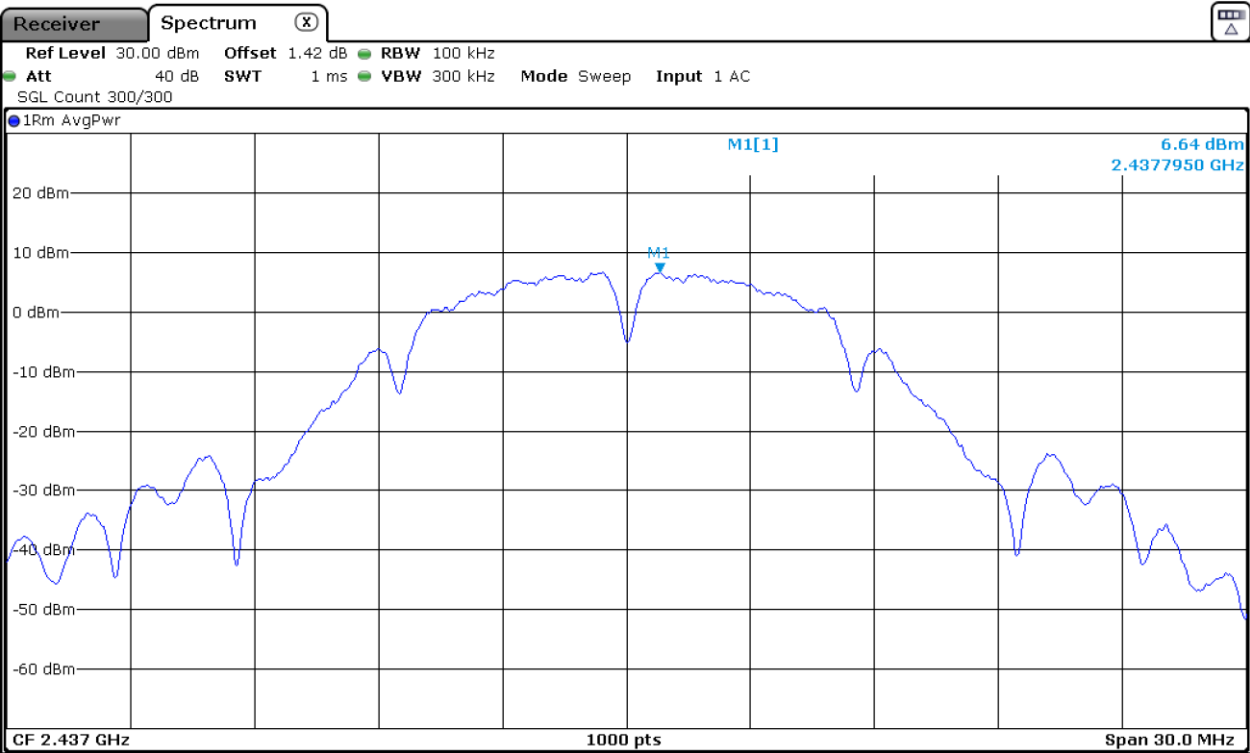
Channel 2



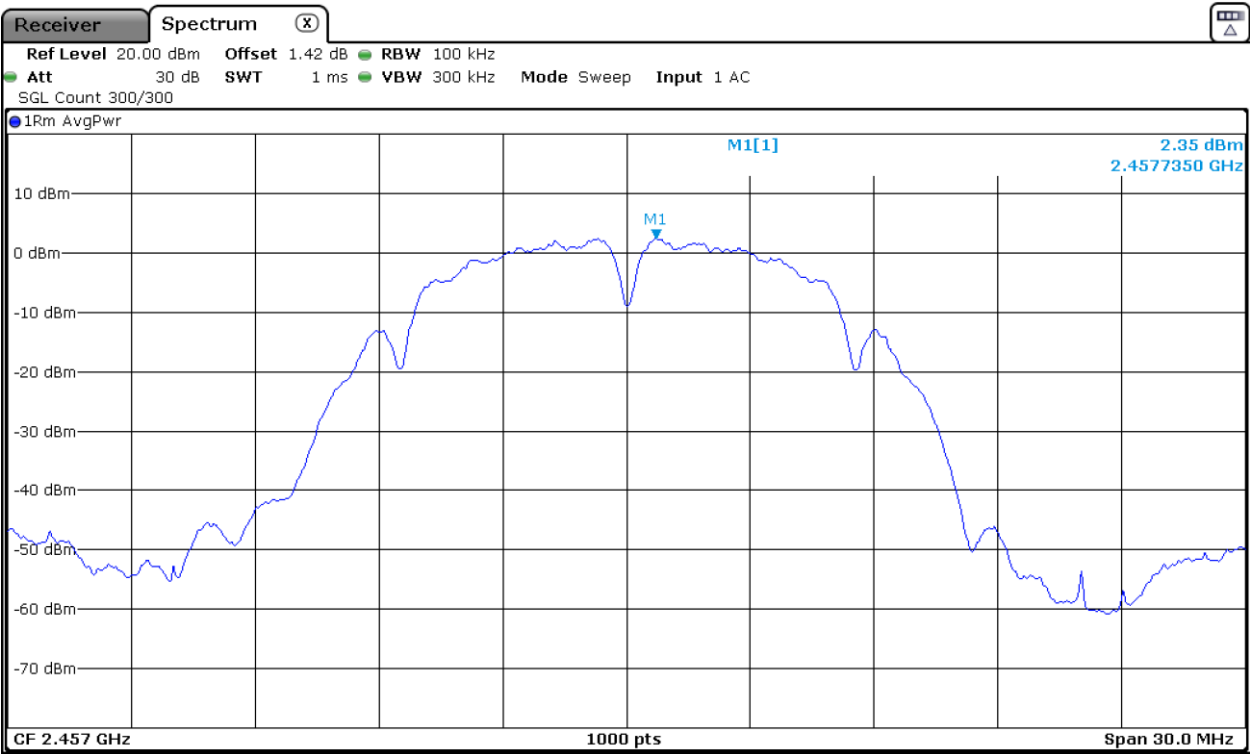
Channel 3



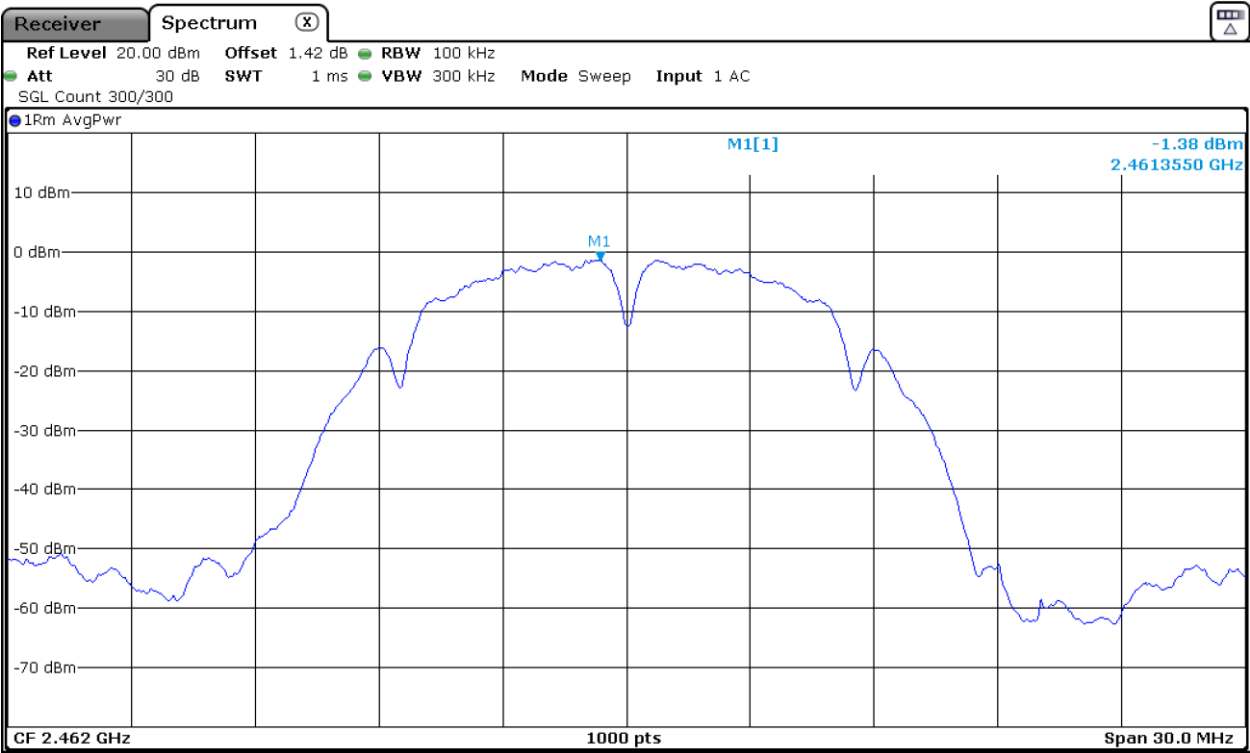
Channel 6



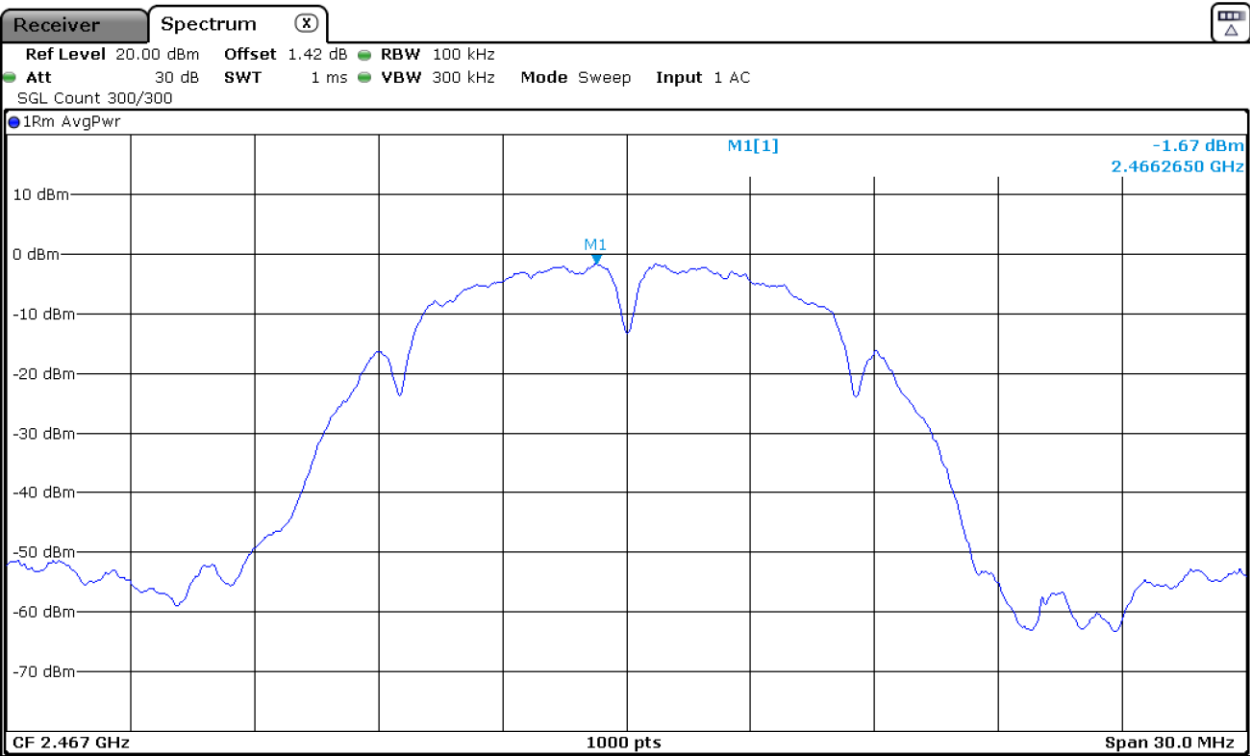
Channel 10



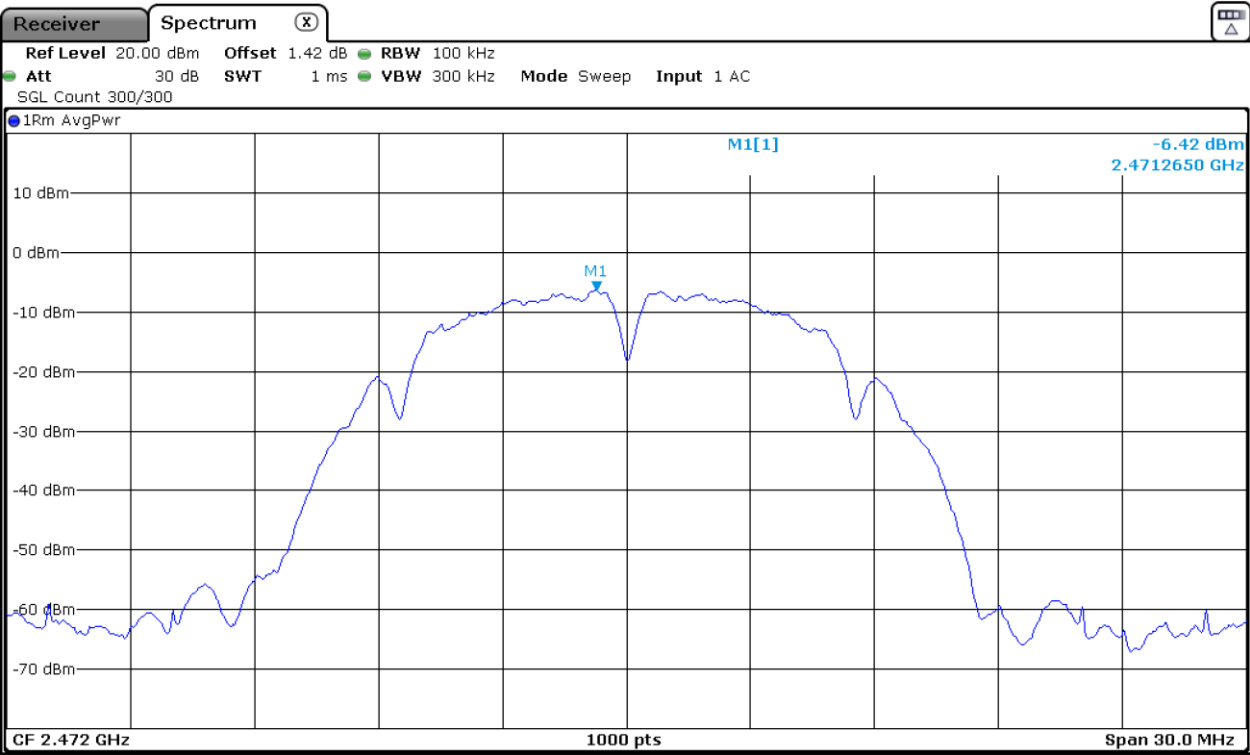
Channel 11



Channel 12

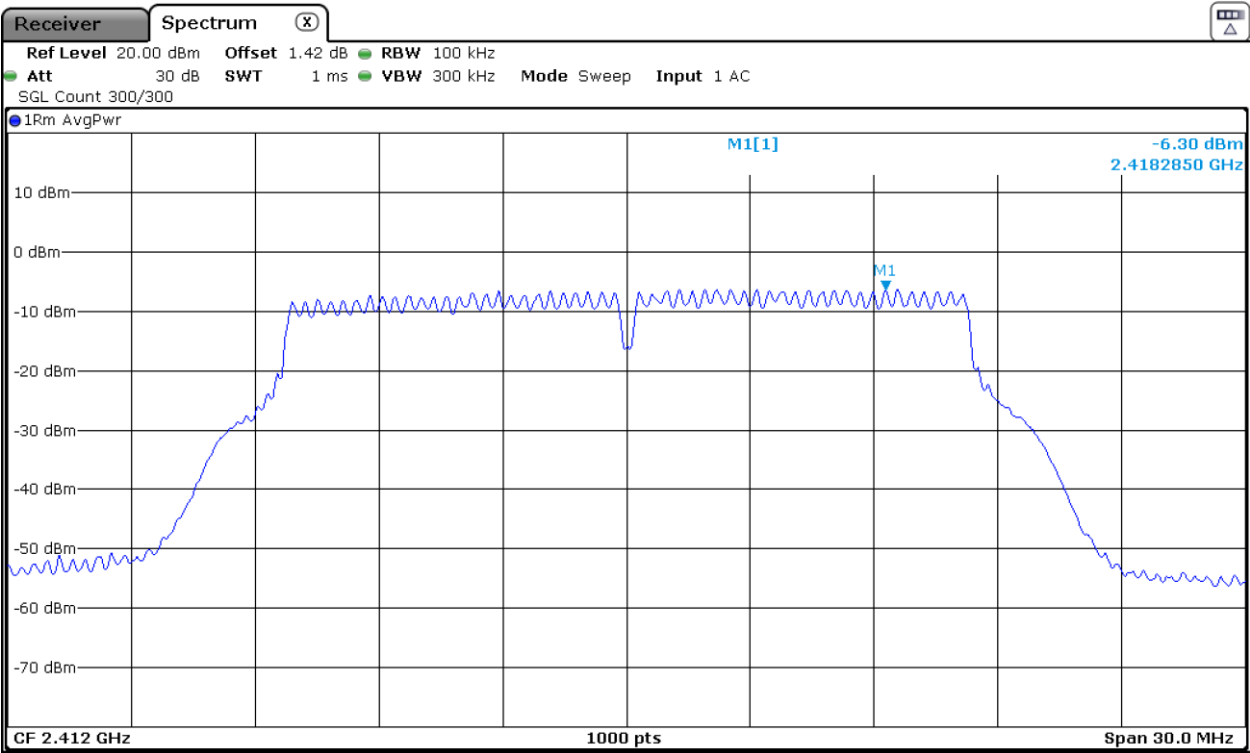


Channel 13

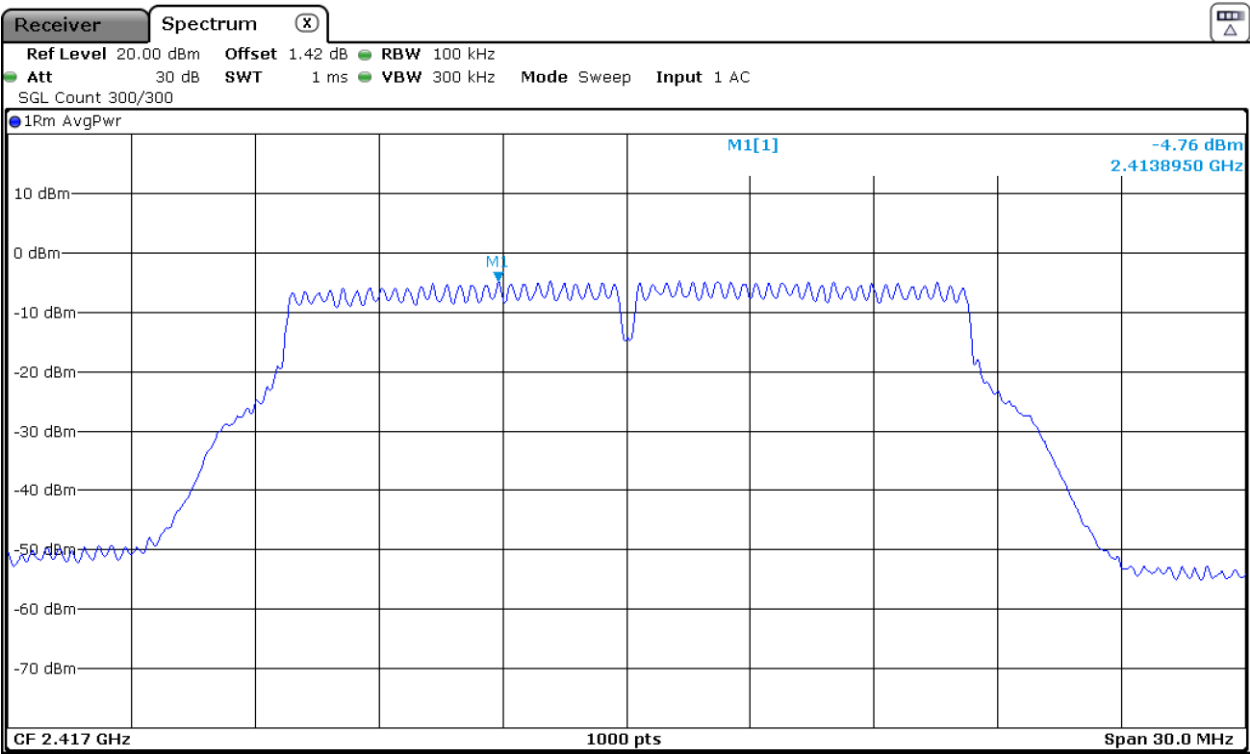


Mode: 802.11g - 20MHz - SISO - CORE Aux

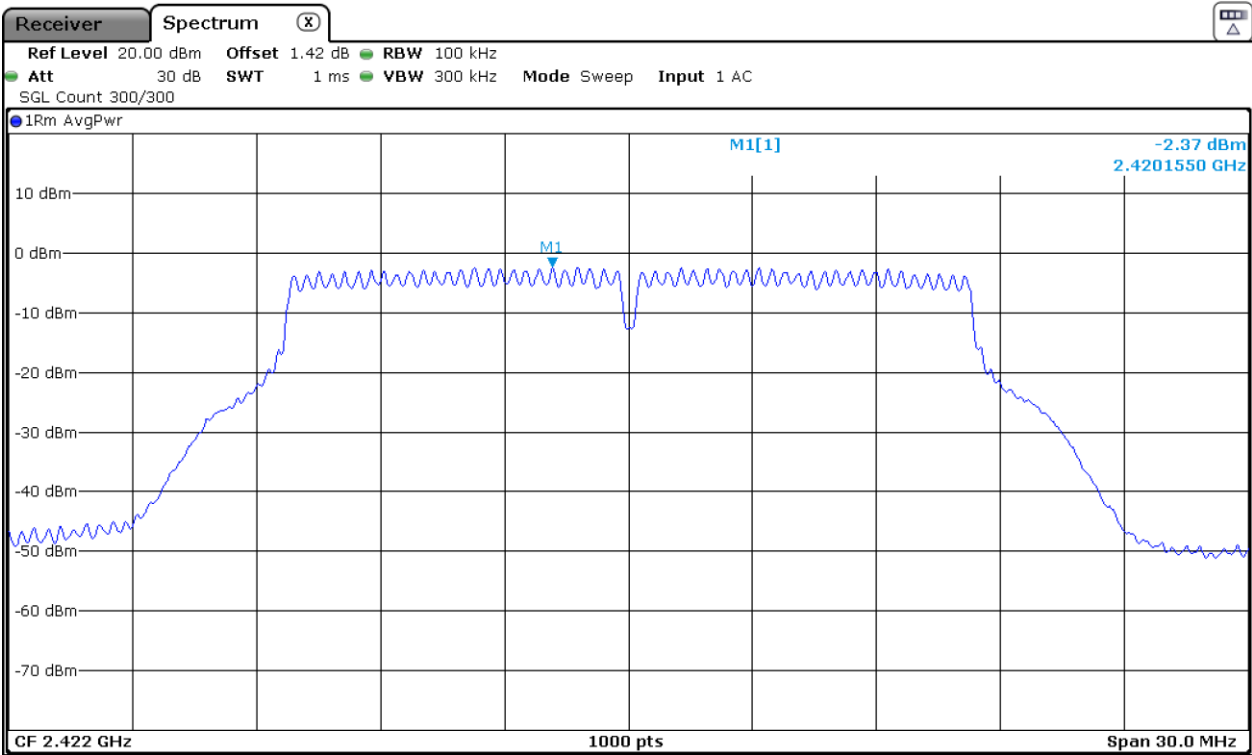
Channel 1



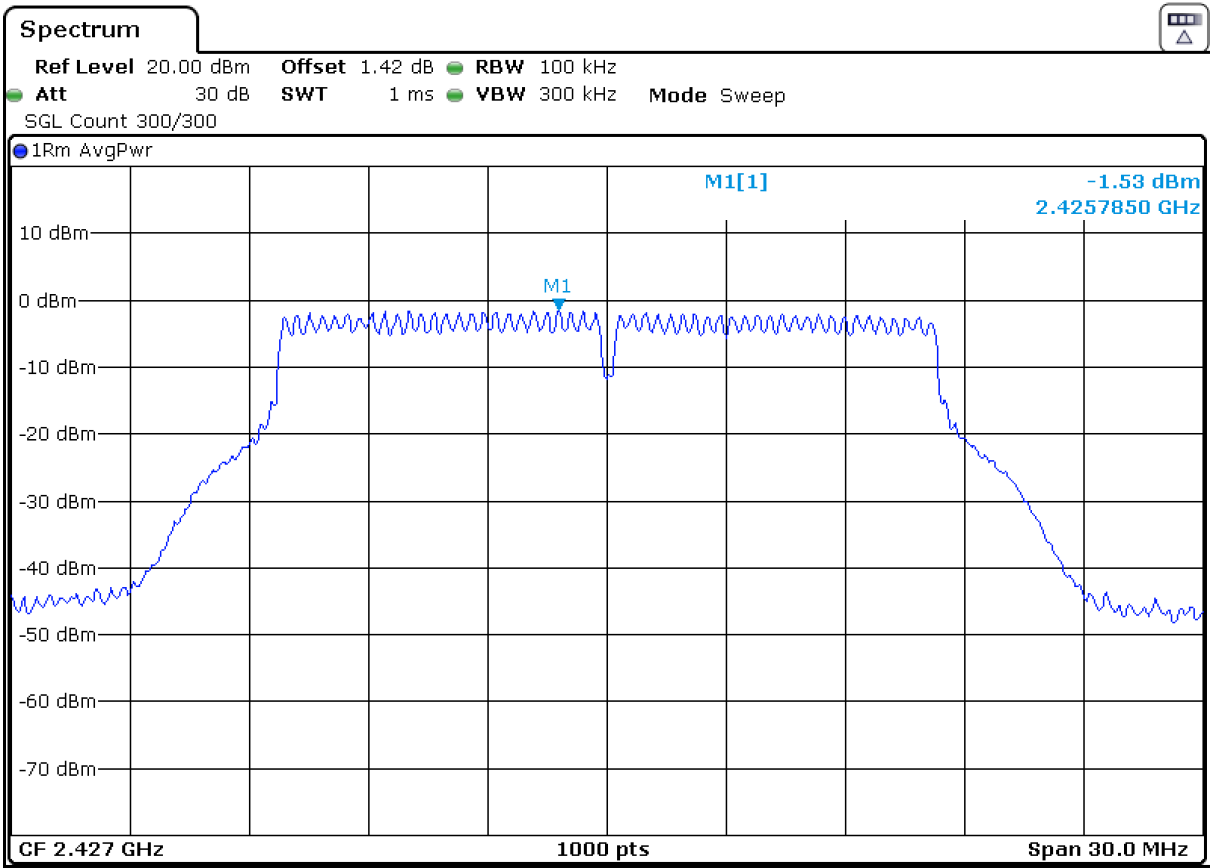
Channel 2



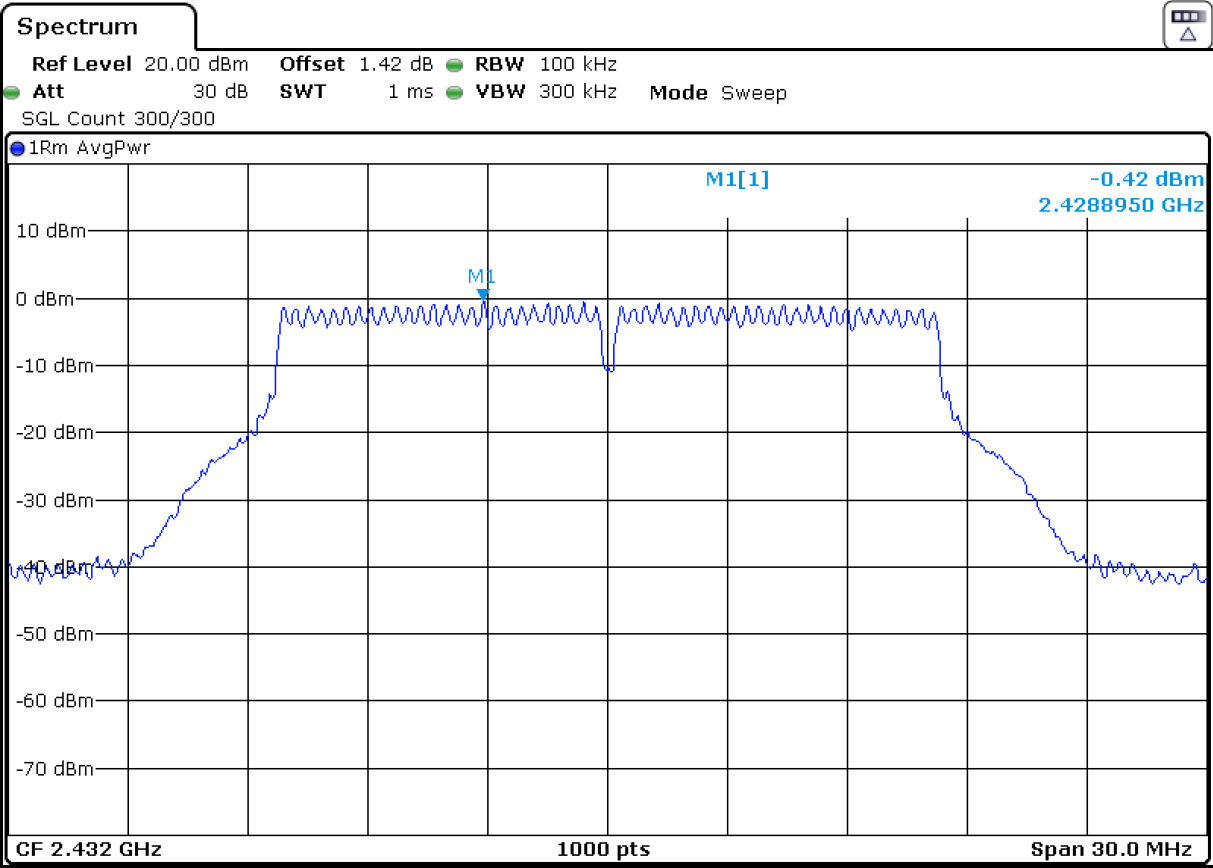
Channel 3



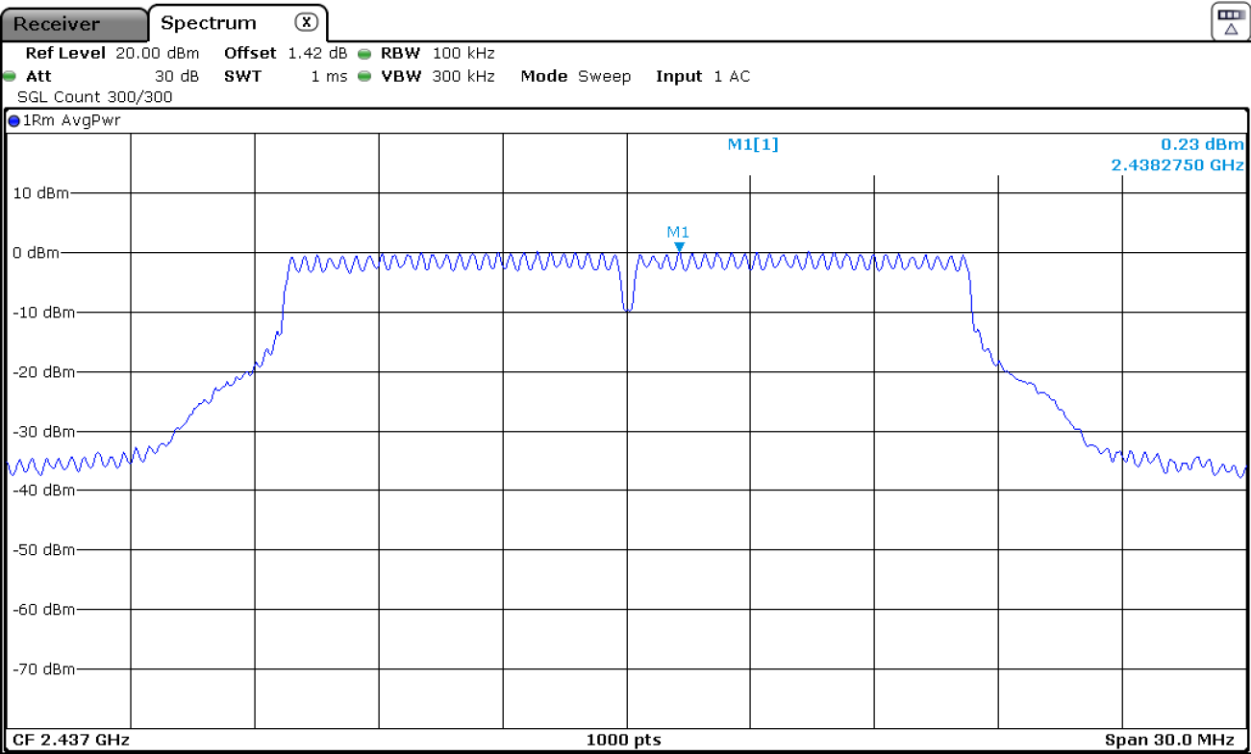
Channel 4



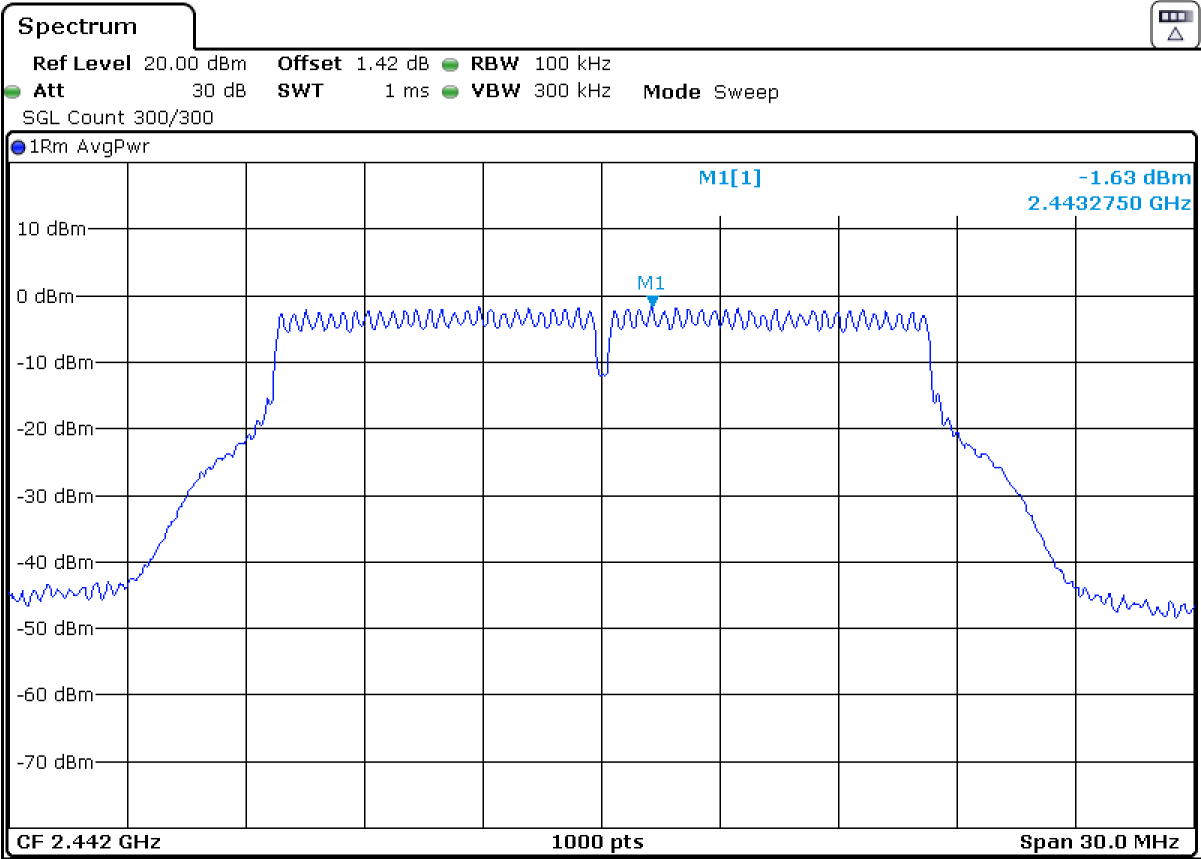
Channel 5



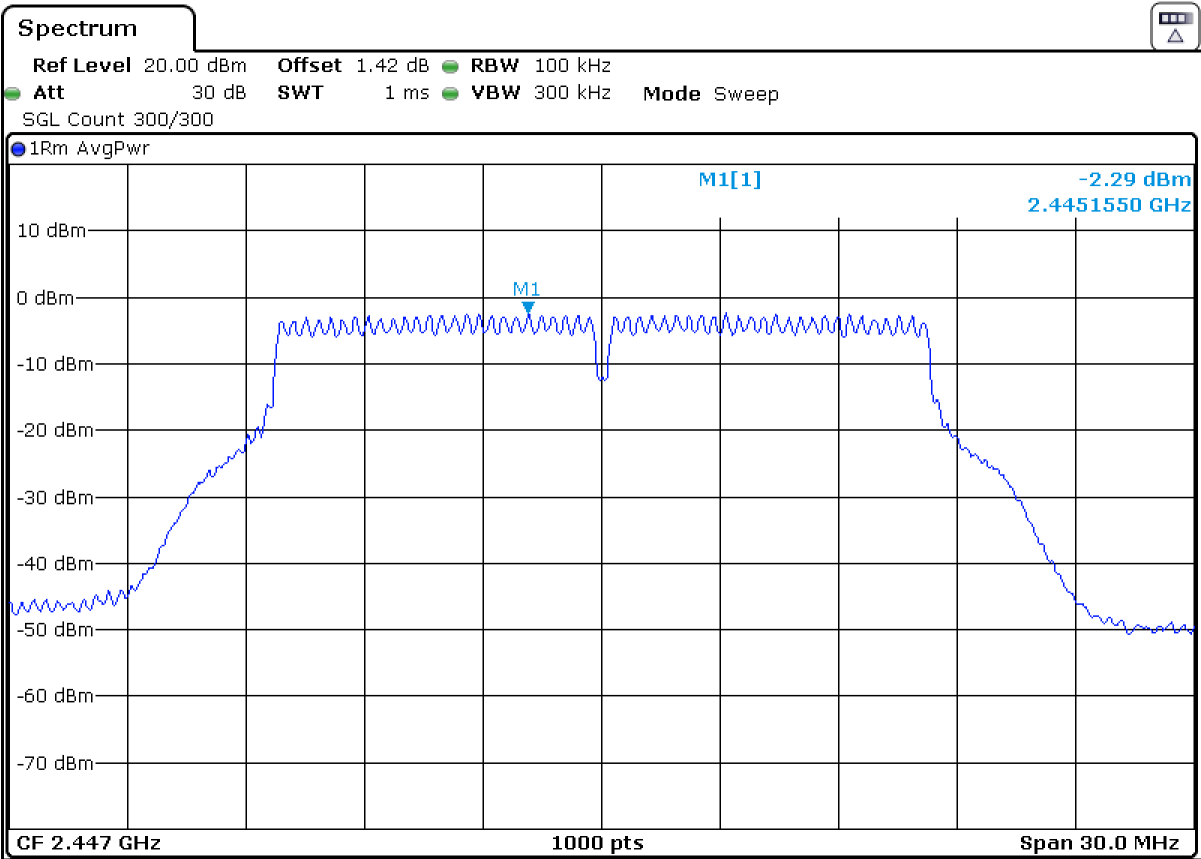
Channel 6



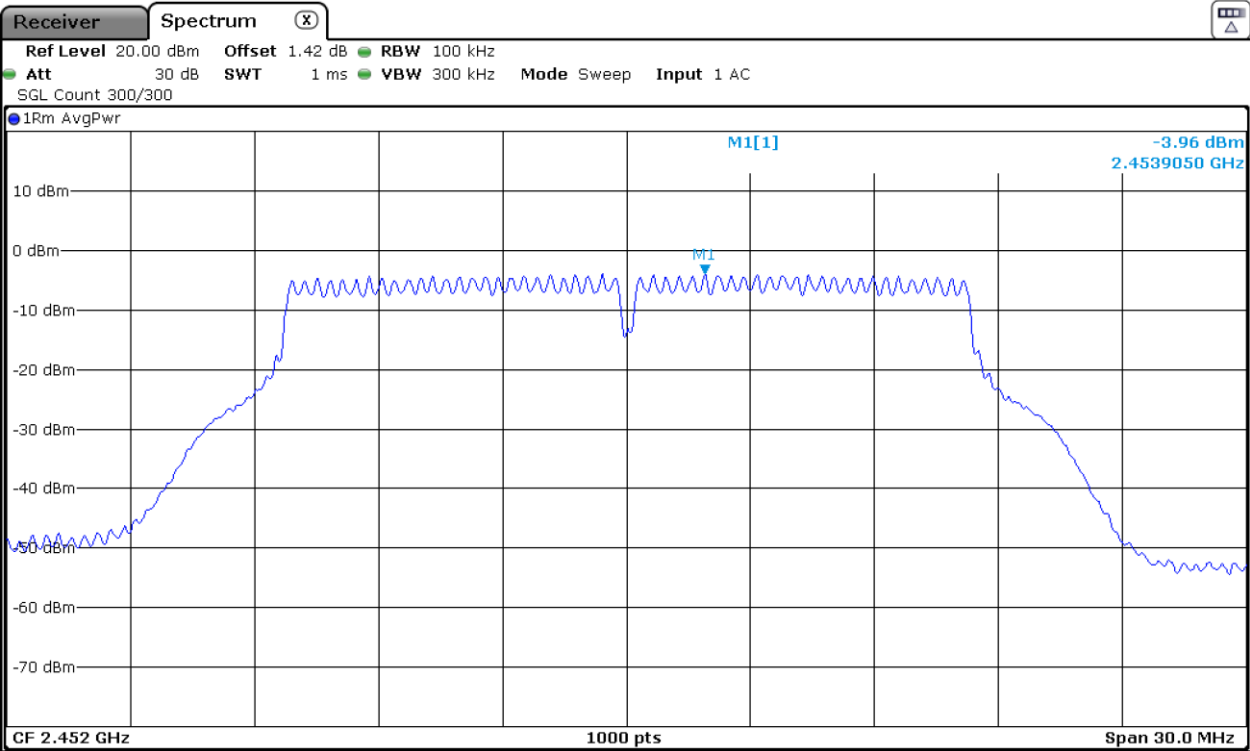
Channel 7



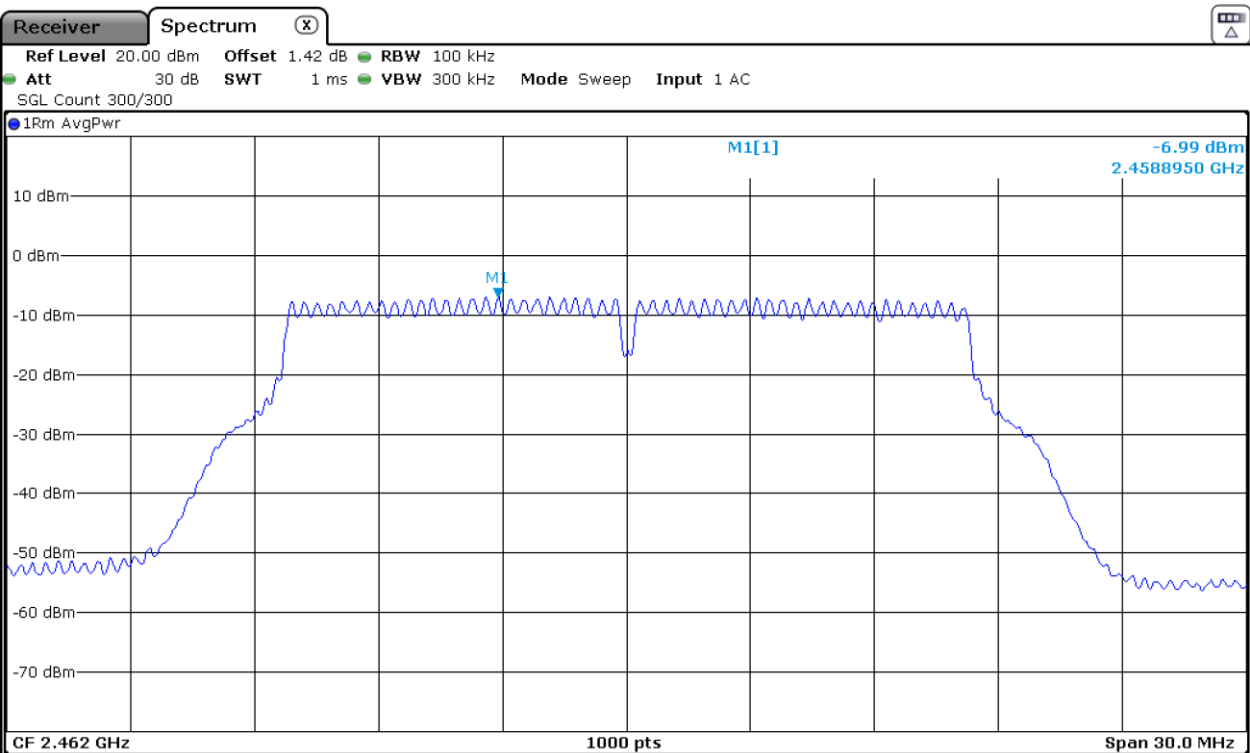
Channel 8



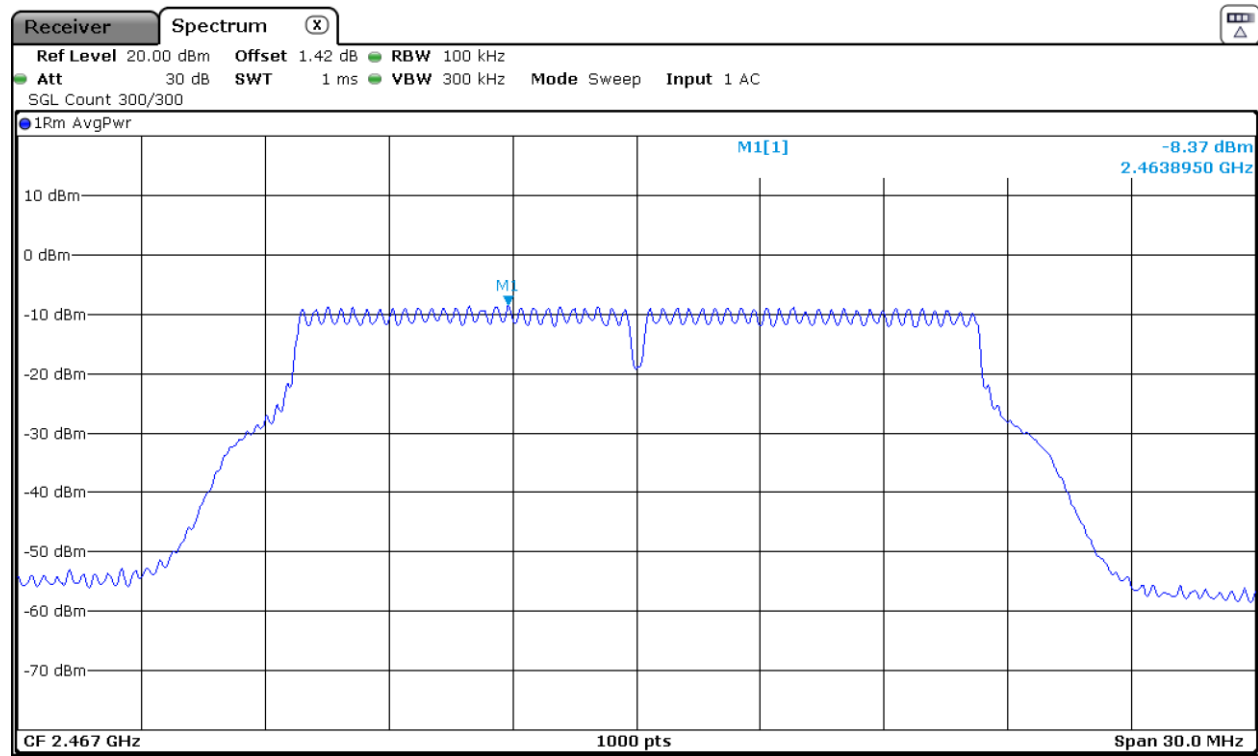
Channel 9



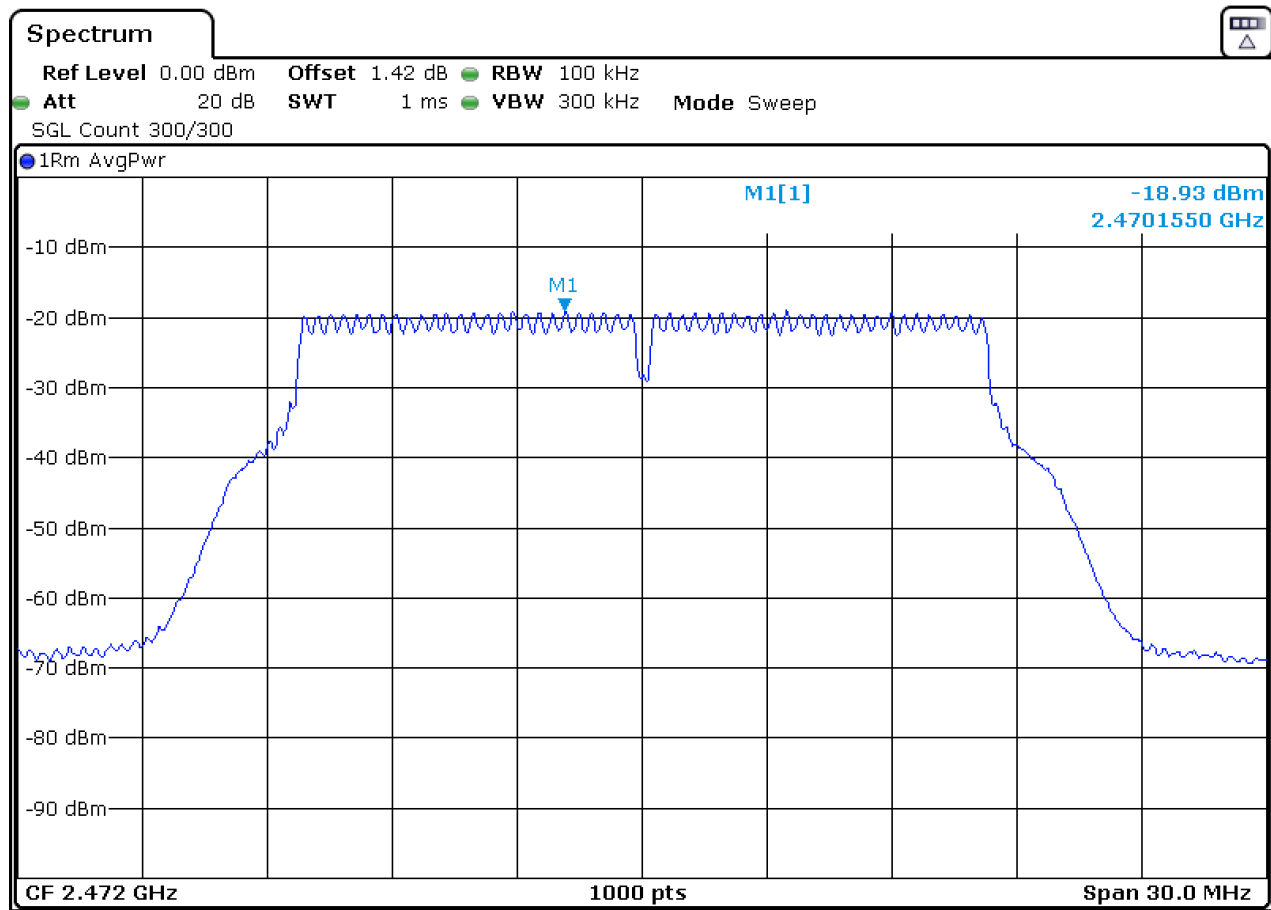
Channel 11



Channel 12

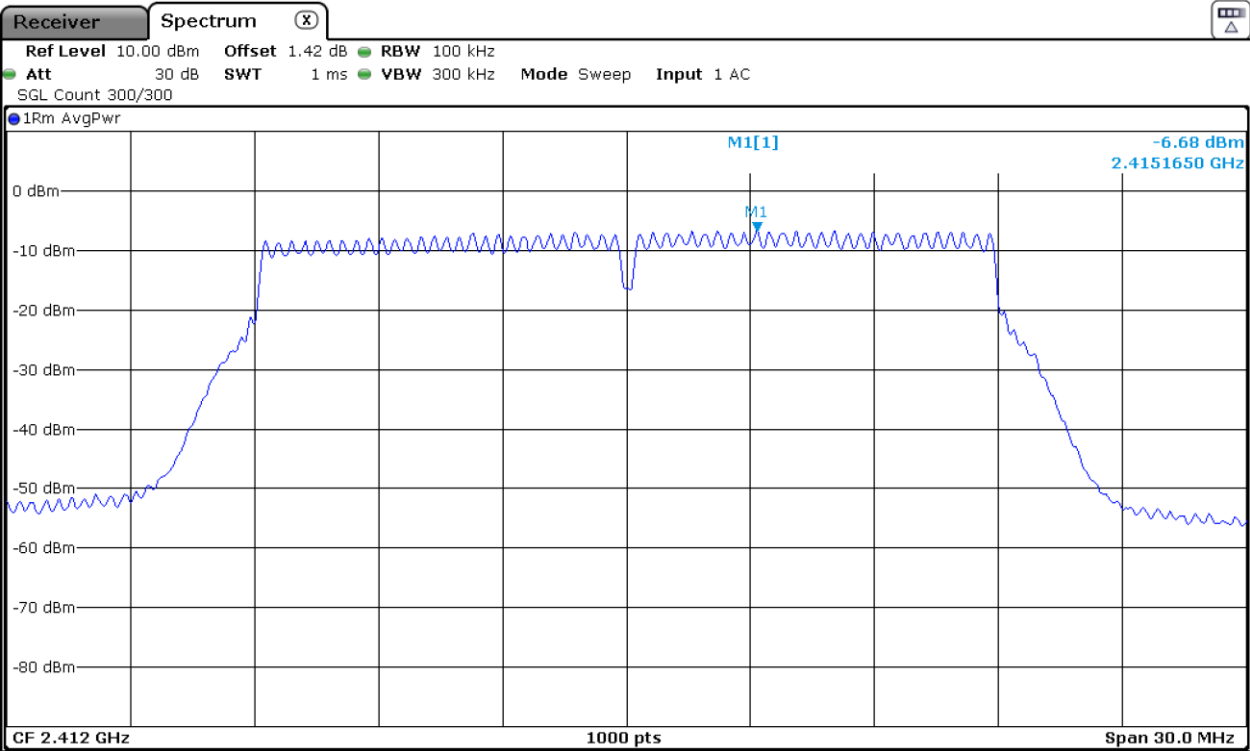


Channel 13

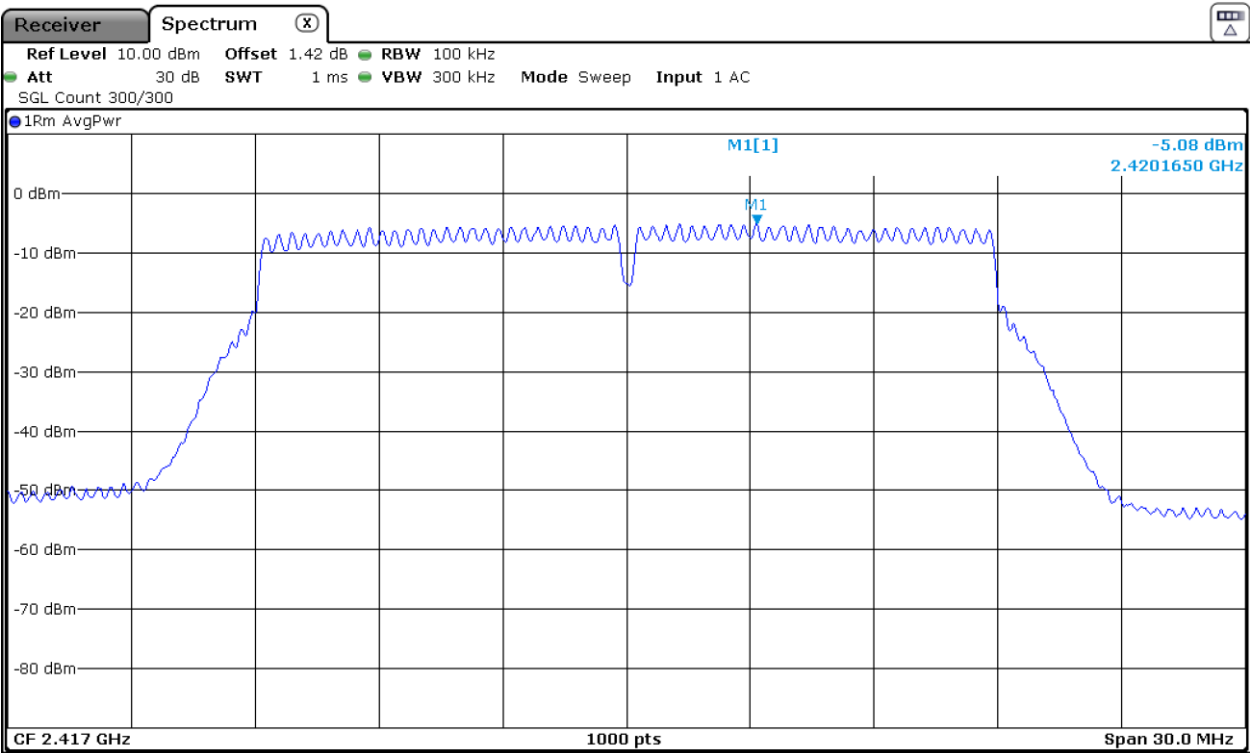


Mode: 802.11n HT20 - 20MHz – SISO – CORE 0

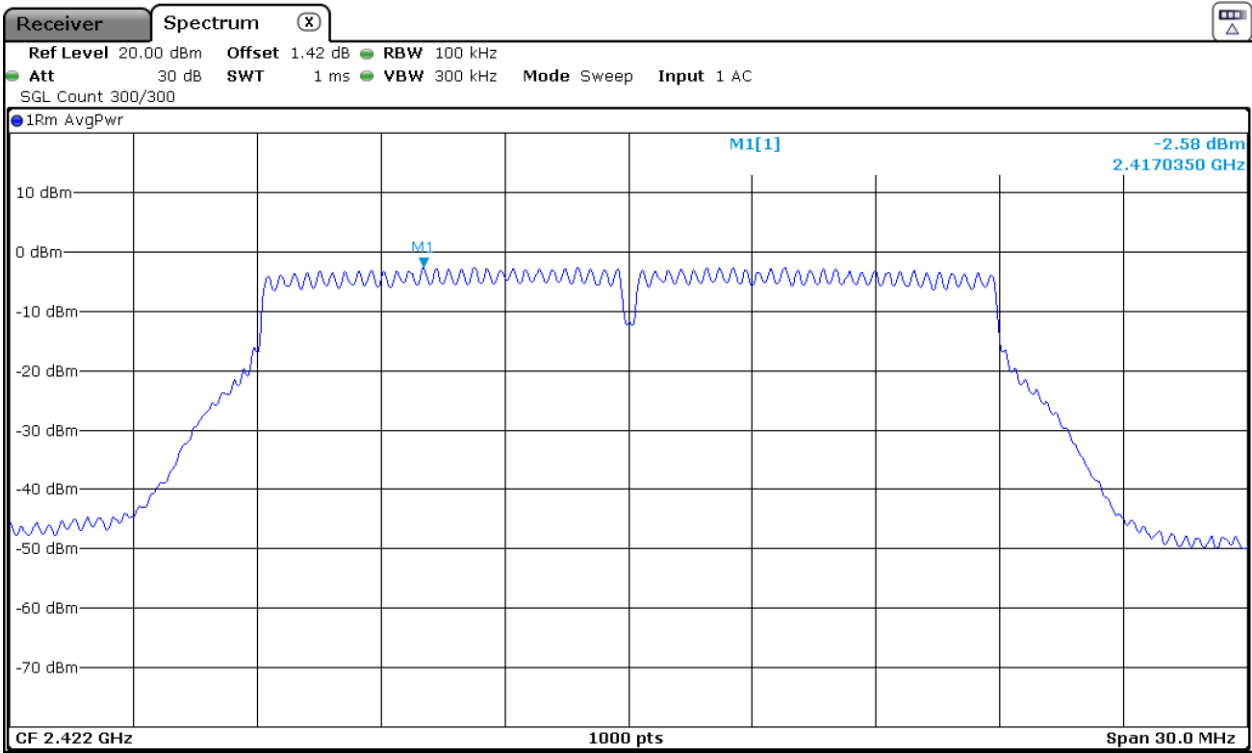
Channel 1



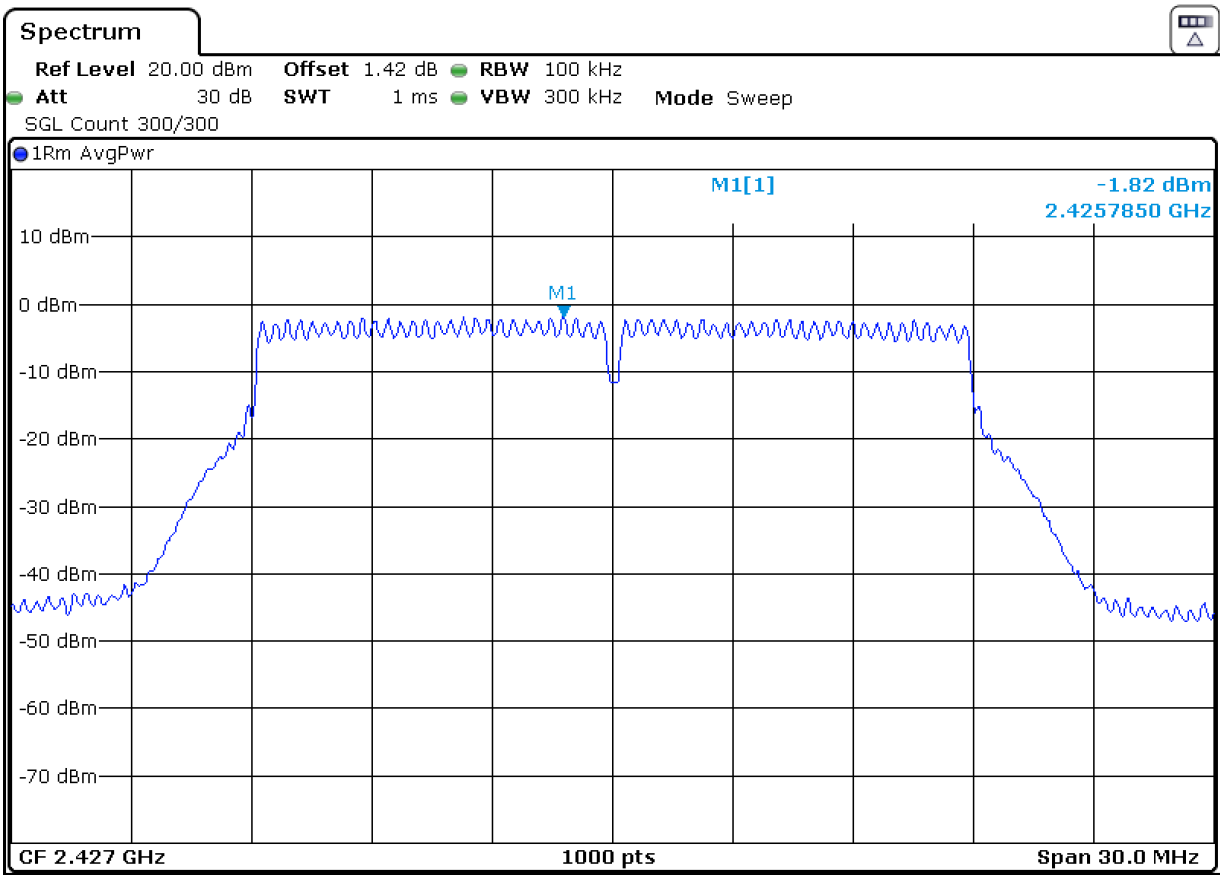
Channel 2



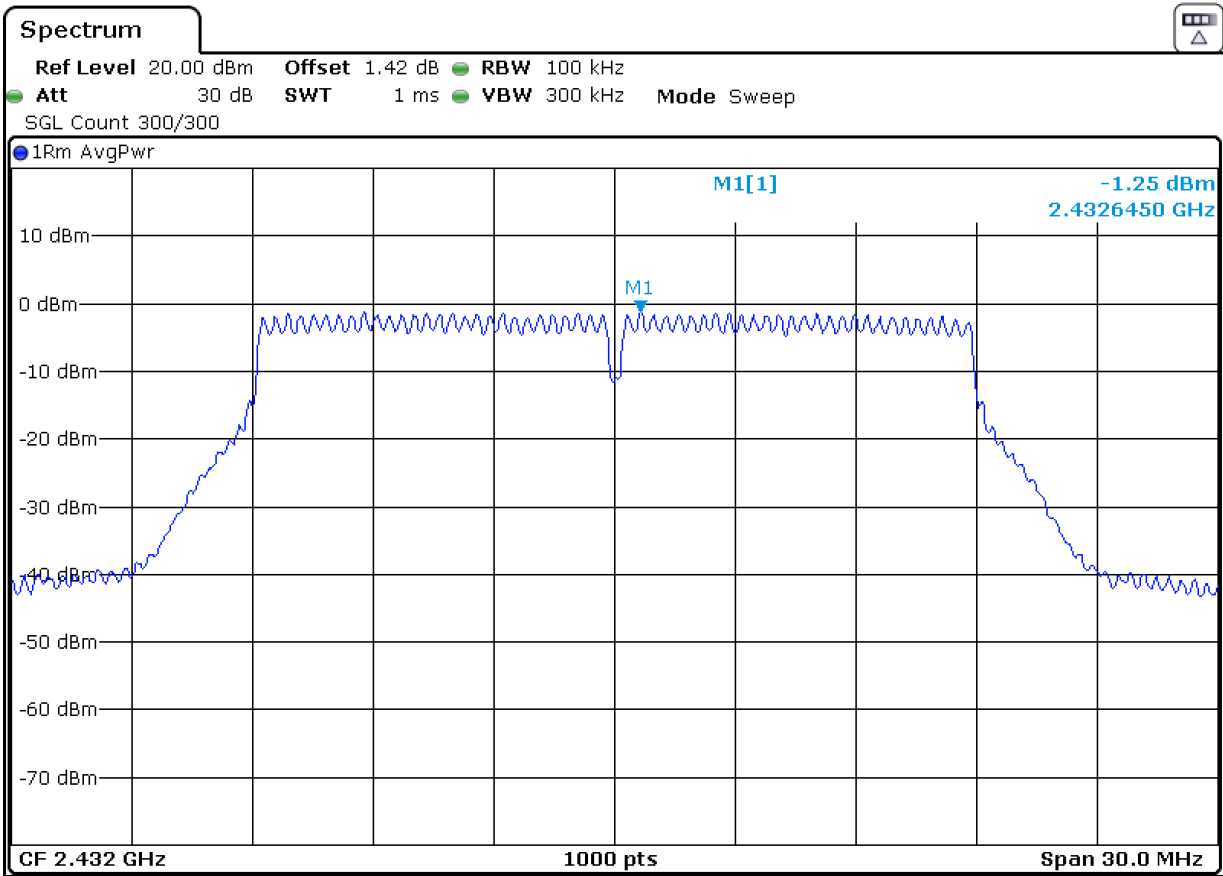
Channel 3



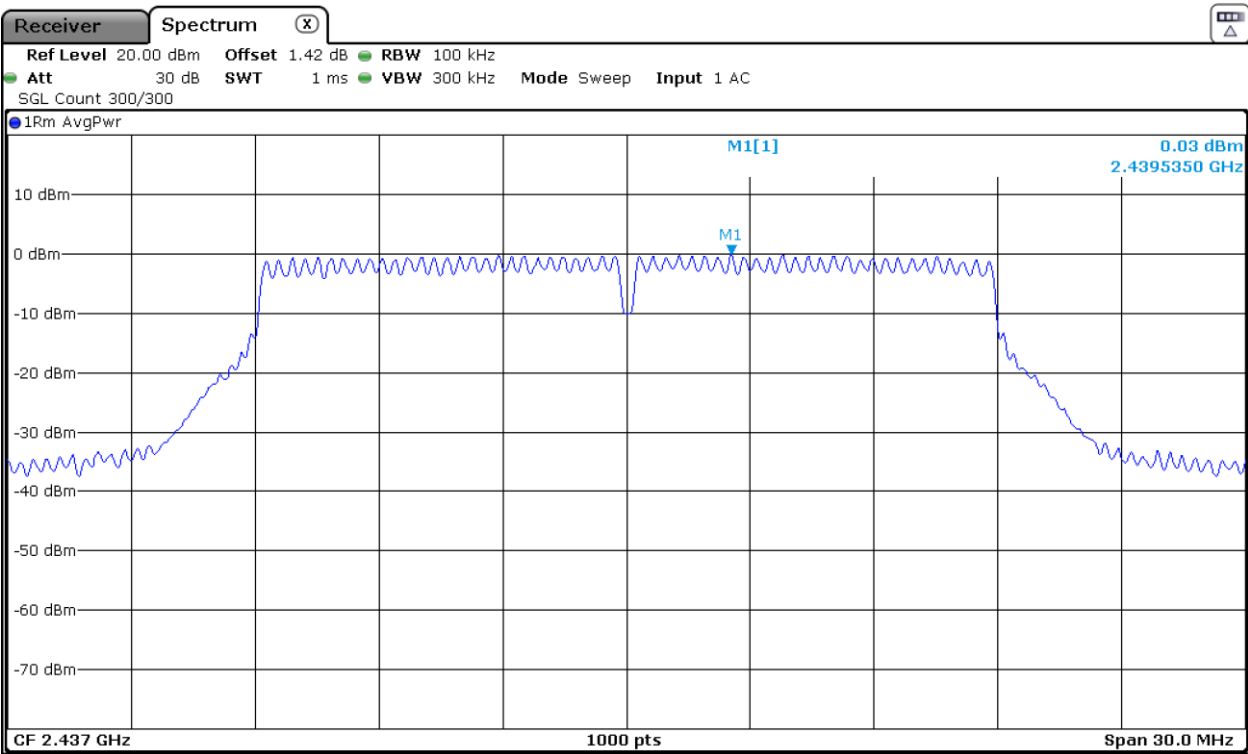
Channel 4



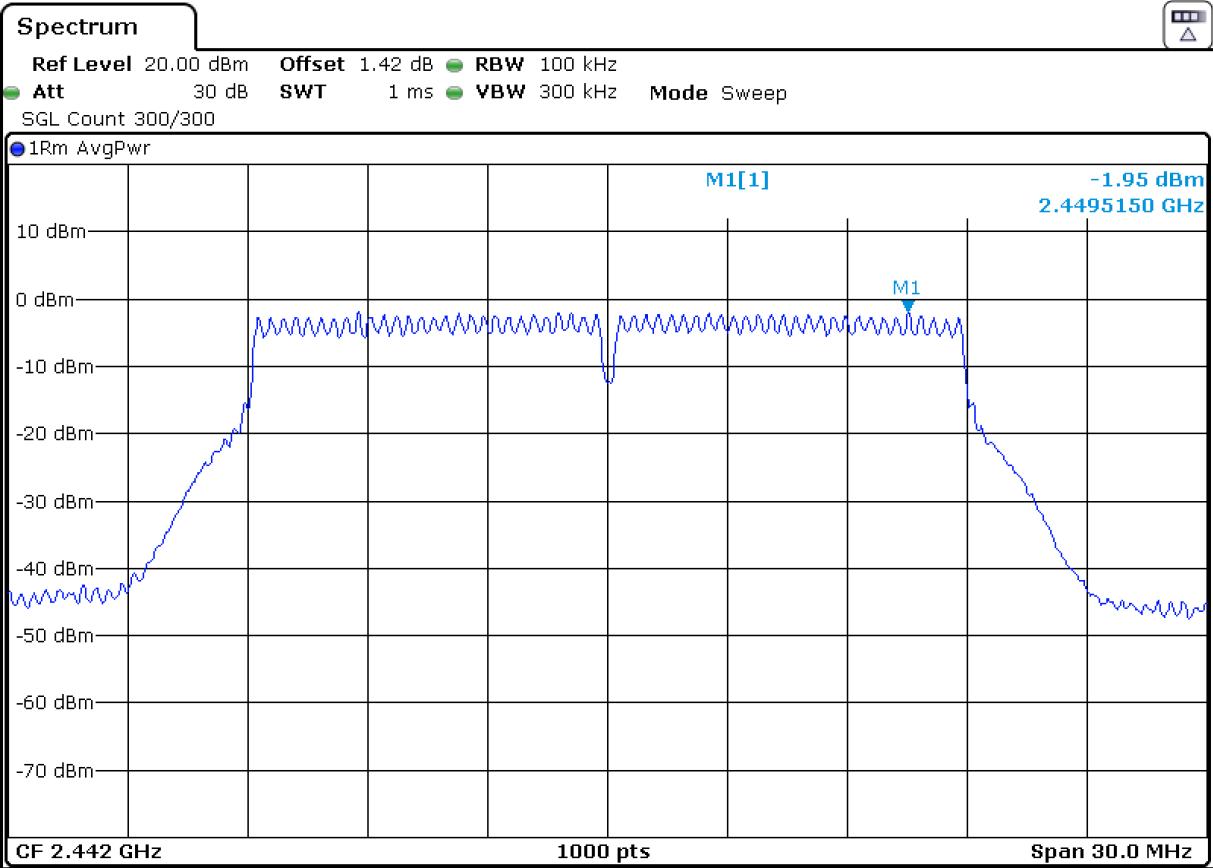
Channel 5



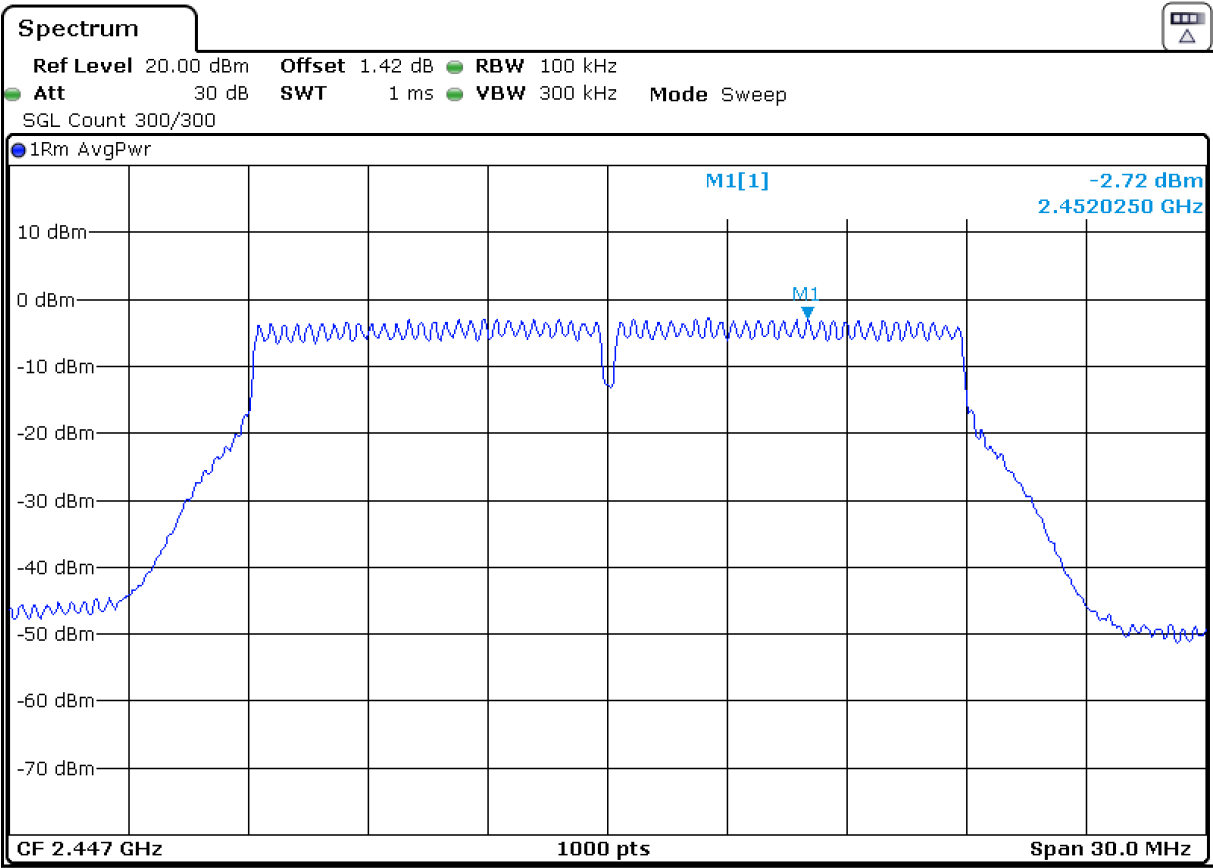
Channel 6



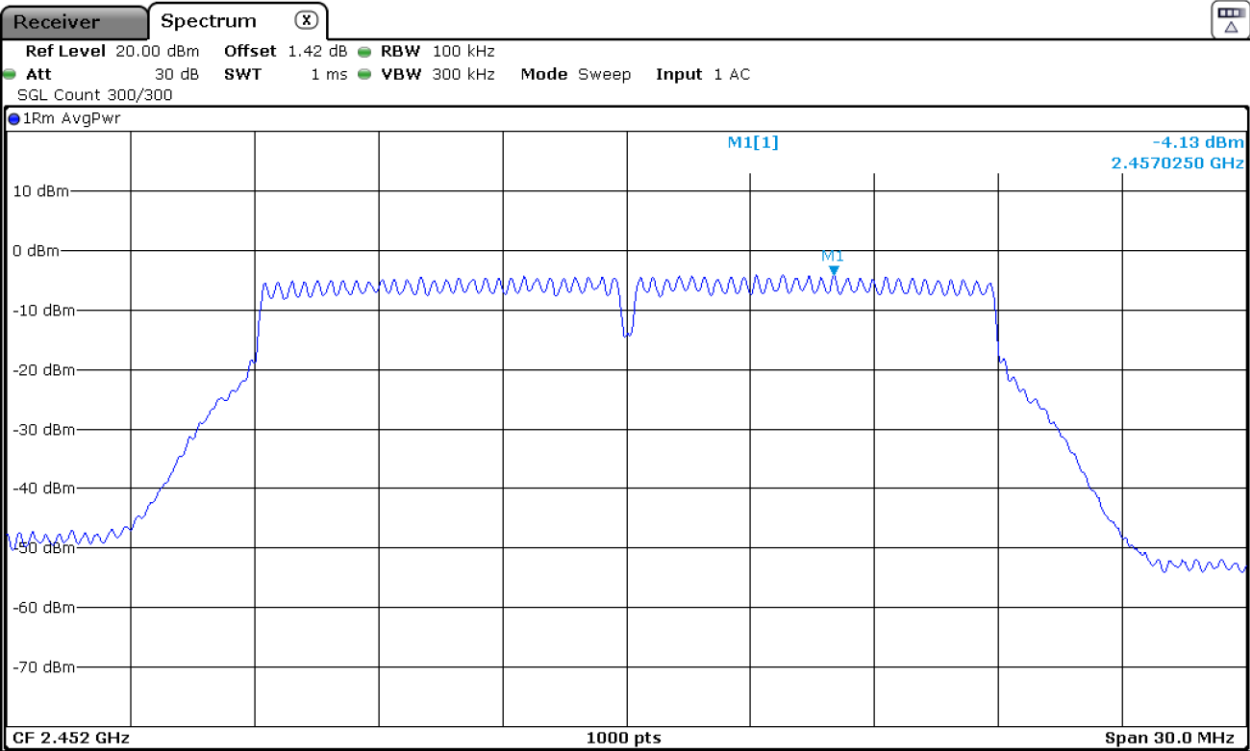
Channel 7



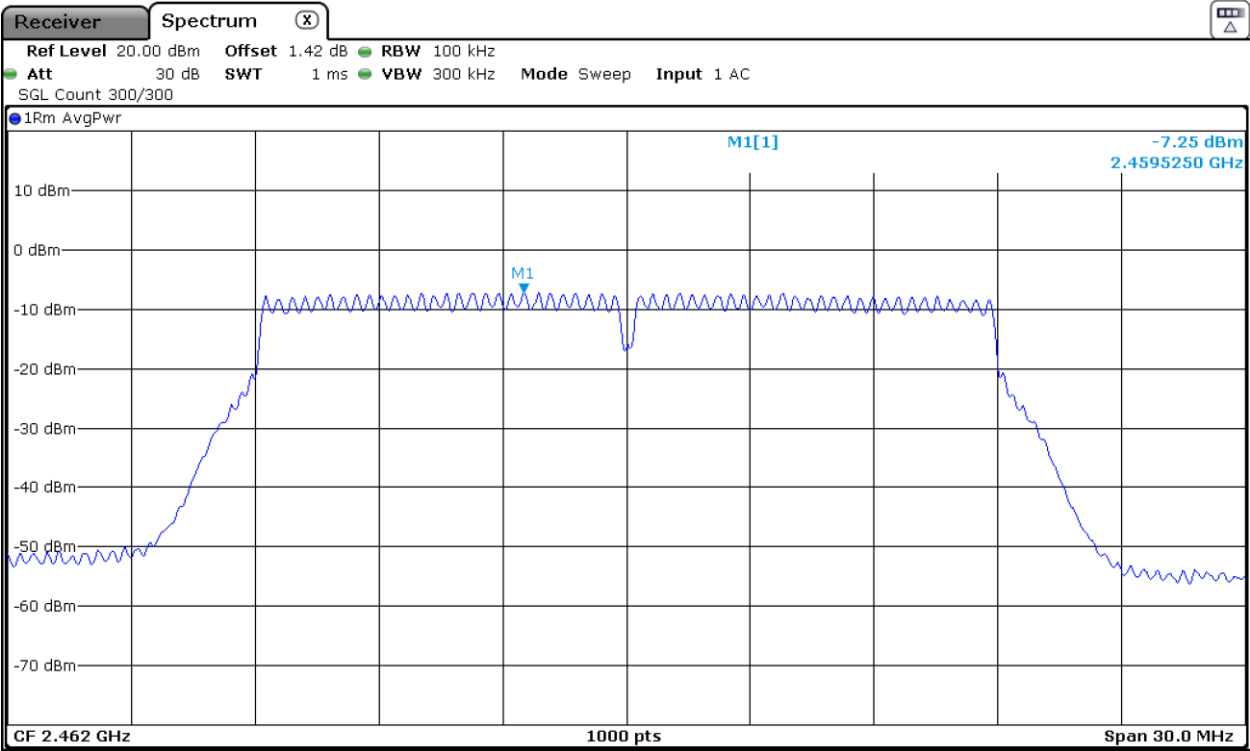
Channel 8



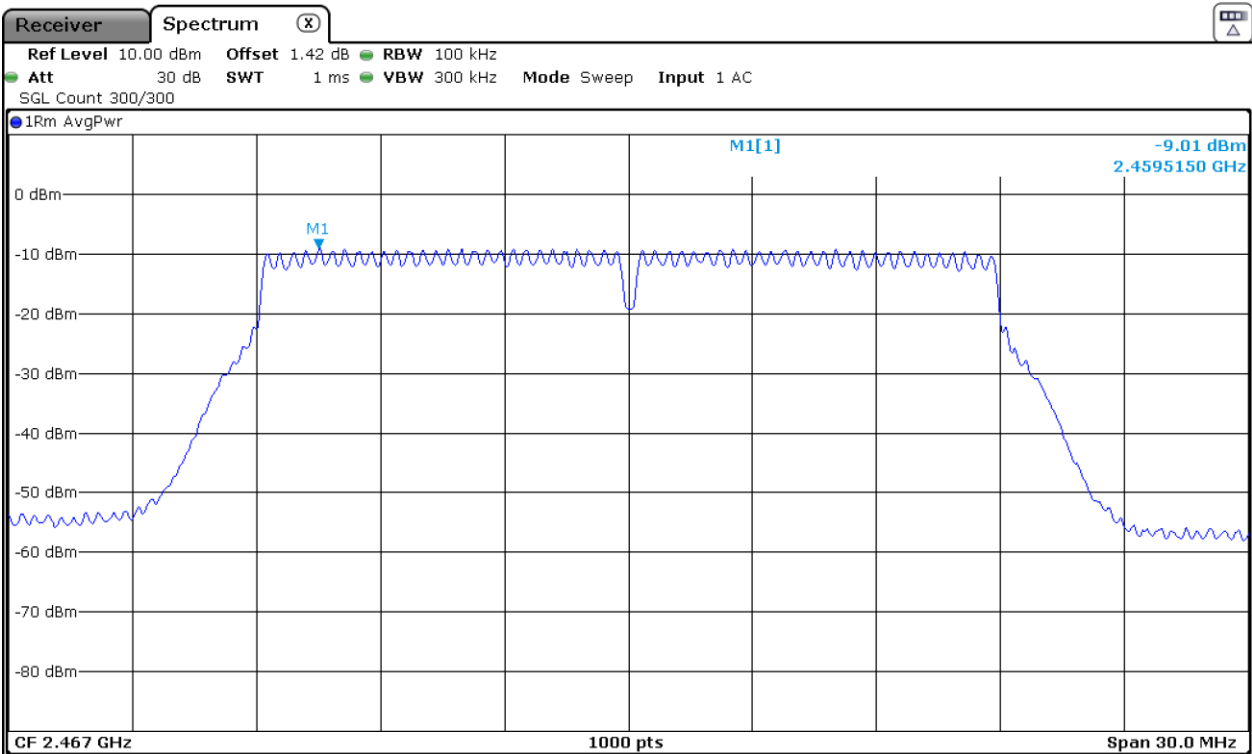
Channel 9



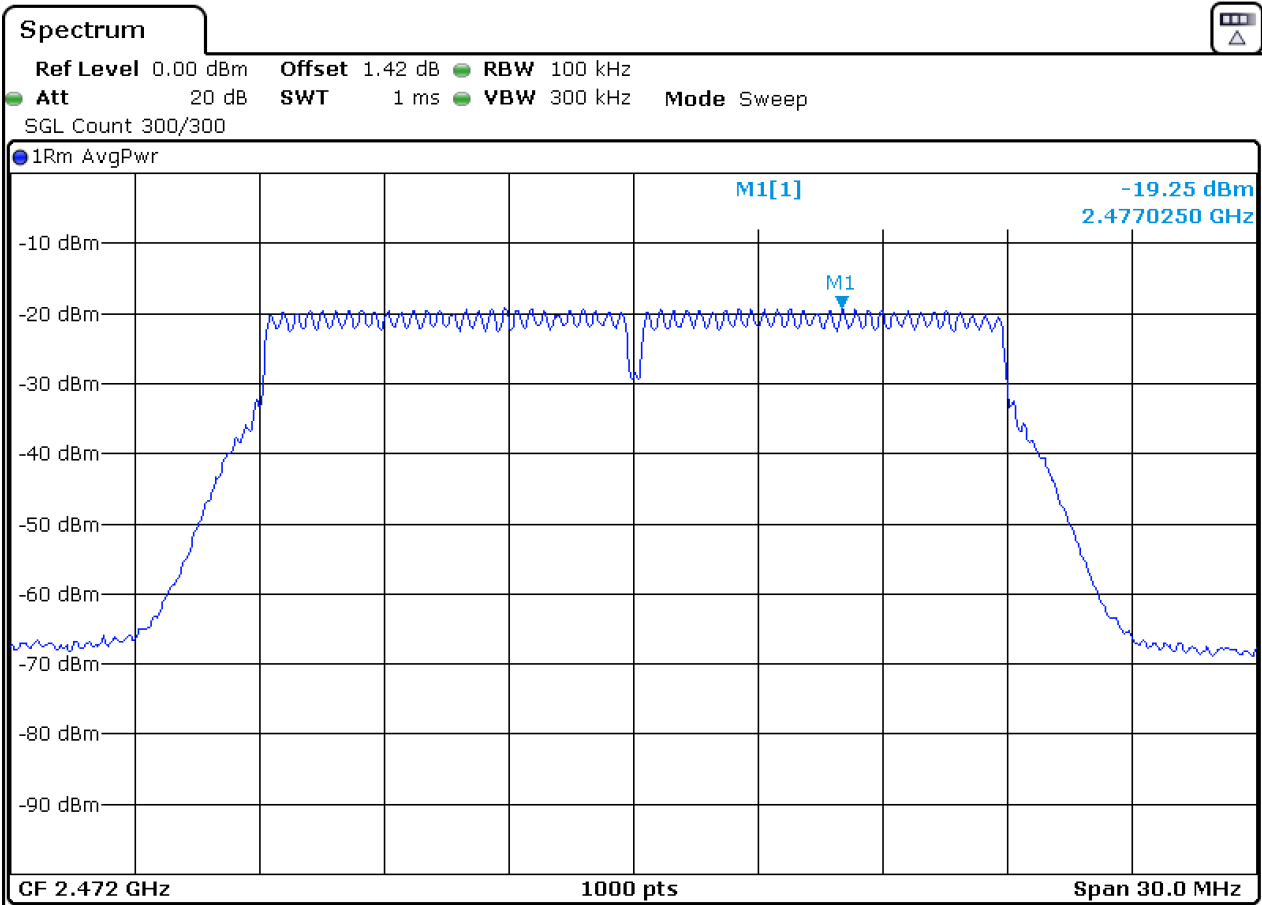
Channel 11



Channel 12



Channel 13



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

SPECIFICATION

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

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 (μV/m)	Field strength (dBμV/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.

RSS-247. Attenuation below the general field strength limits specified in RSS-Gen is not required.

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-25 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.

Core Aux allows the simultaneous Wi-Fi transmission in both bands (2.4 GHz and 5GHz). Core Aux shares the third antenna from the main radio and cannot operate completely independently from the main radio.

The tests were performed in worst case with the equipment transmitting with Core Aux (802.11 b) in channel 1 (2412 MHz) and Main radio WiFi 5GHz (802.11n HT20-CDD MIMO 3Tx) in channel 64 (5320 MHz).

Mode: 802.11b – Core Aux (2412 MHz) + 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2 (5320 MHz)

Frequency range 30 MHz-1000 MHz.

Note: The spurious emissions below 1 GHz do not depend on either the operating channel or the modulation mode selected in the EUT.

Spurious levels operating (radiated) closest to limit.

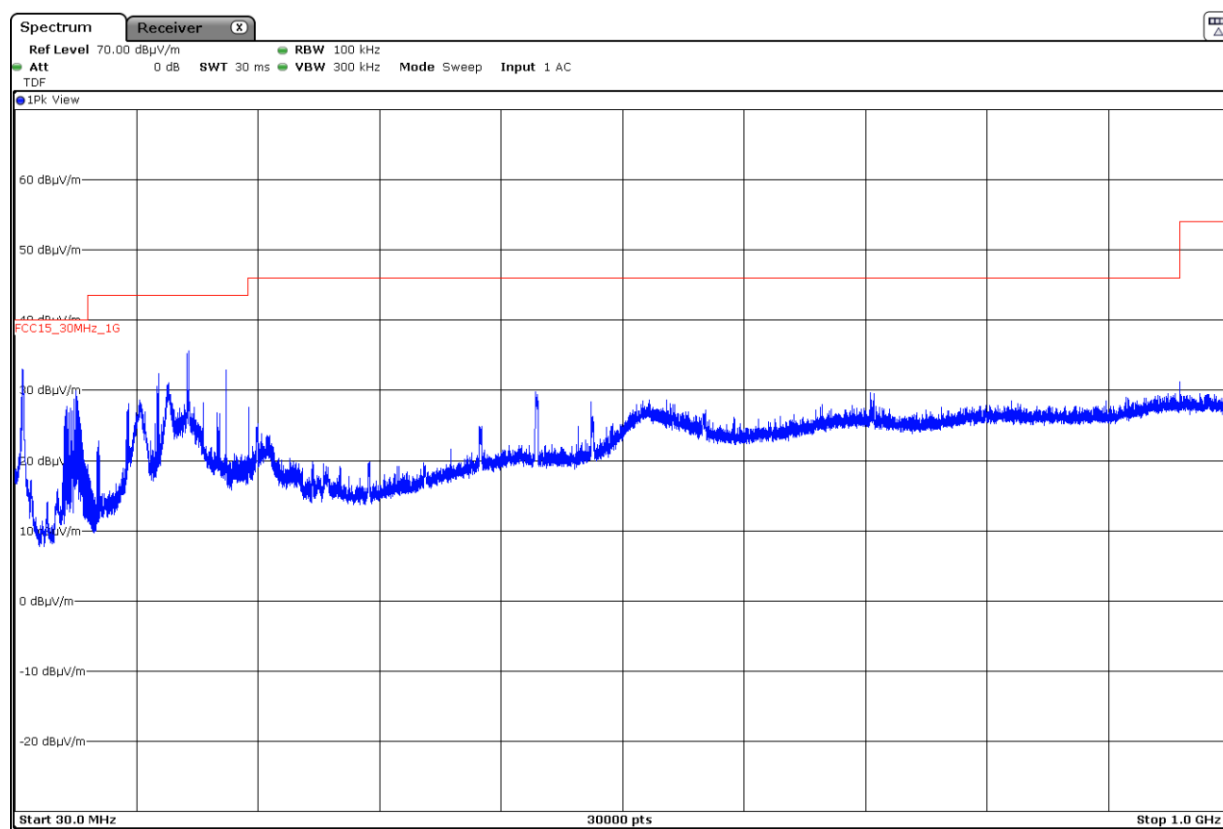
Spurious frequency (MHz)	Polarization	Detector	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement Uncertainty (dB)
36.160	Vertical	Quasi-Peak	30.40	40	9.60	± 3.88
78.872	Vertical	Quasi-Peak	28.52	40	11.50	± 3.88
144.509	Vertical	Quasi-Peak	30.56	43.5	12.90	± 3.88
167.433	Horizontal	Quasi-Peak	35.40	43.5	8.10	± 3.88
198.473	Vertical	Quasi-Peak	29.87	43.5	13.60	± 3.88
445.467	Vertical	Quasi-Peak	25.10	46	20.90	± 3.88

Frequency range 1 GHz-40 GHz

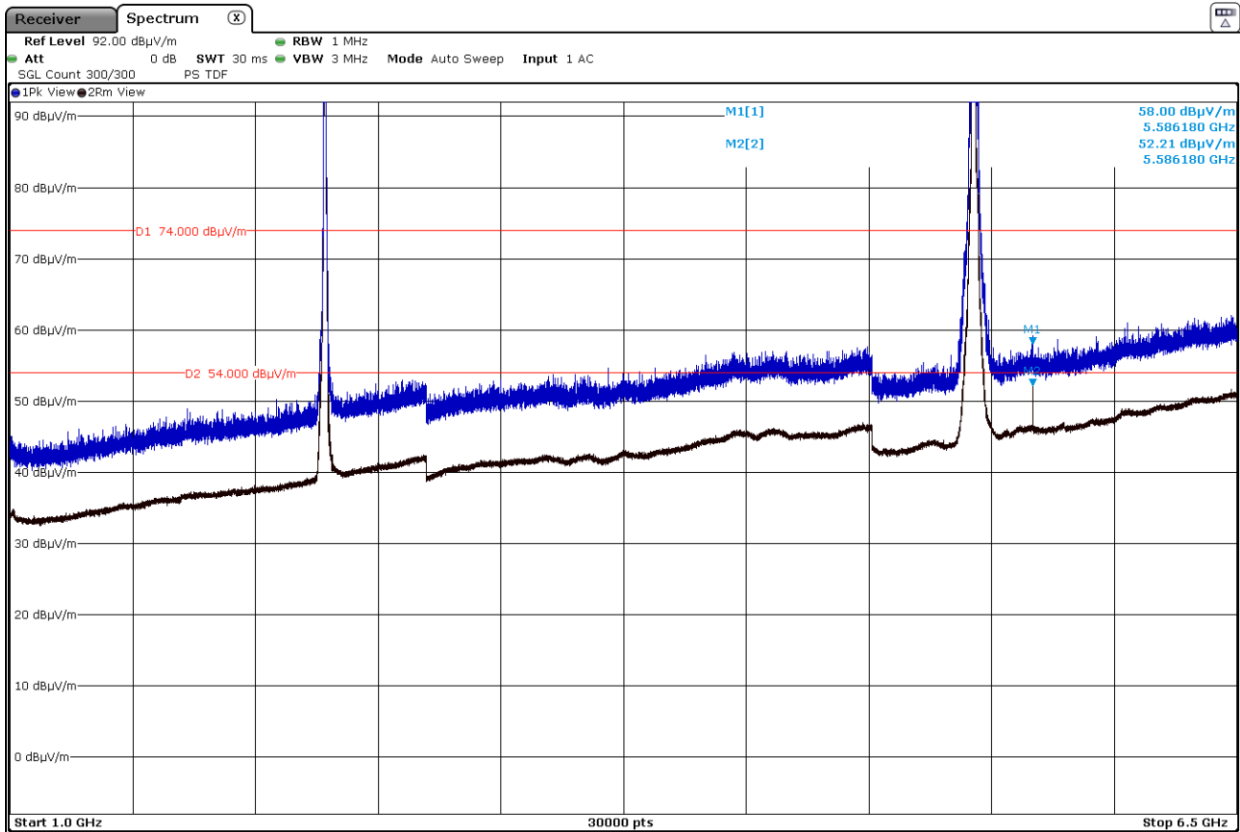
No spurious were found at less than 20 dB below the limit inside restricted bands.

Verdict: PASS

FREQUENCY RANGE 30 MHz-1000 MHz.

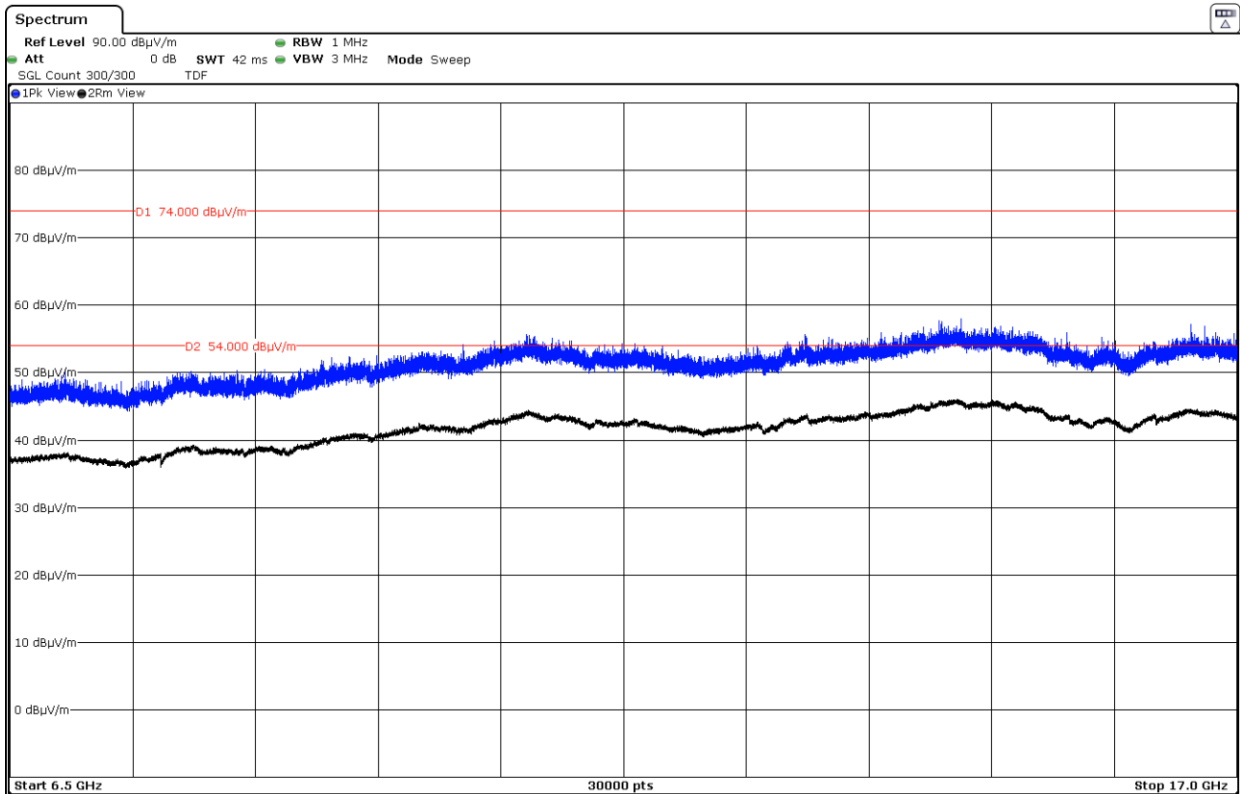


FREQUENCY RANGE 1 GHz to 6.5 GHz.

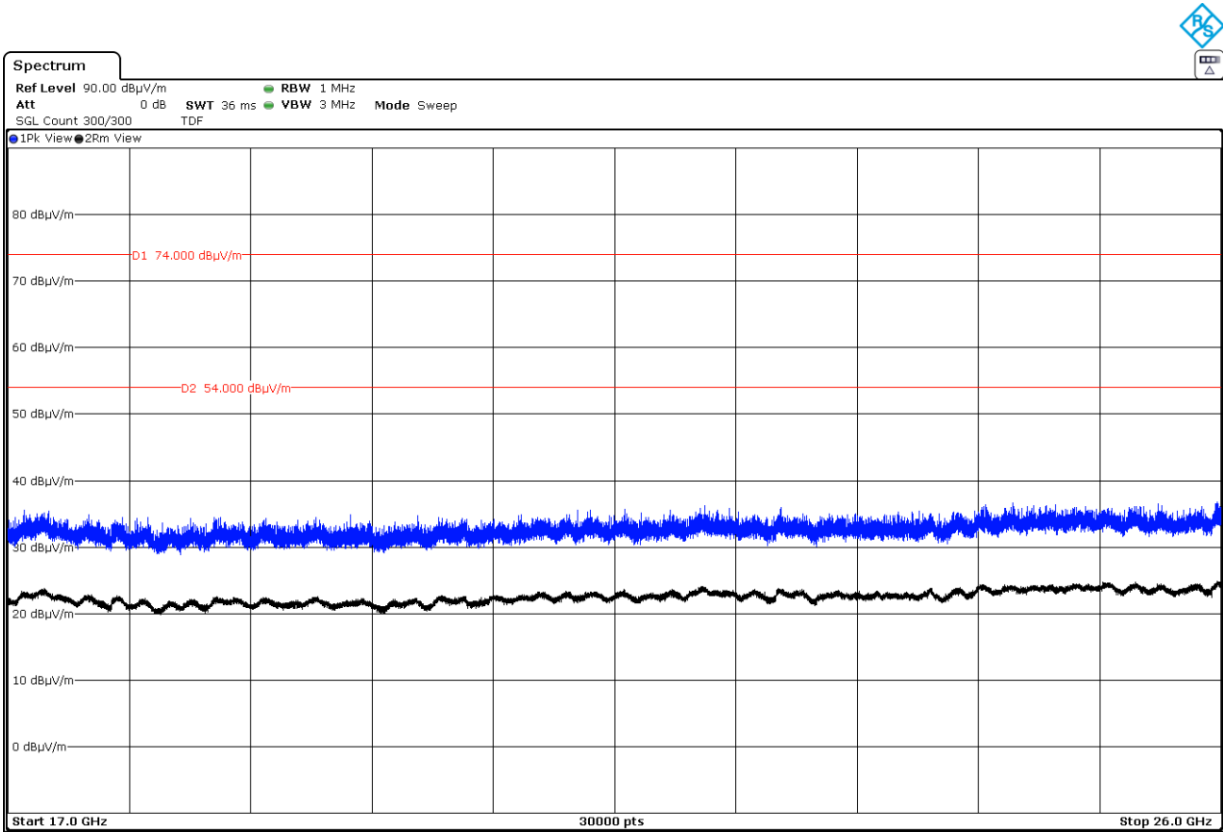


Note: The peak shown in the plot above the limit is the carrier frequency.

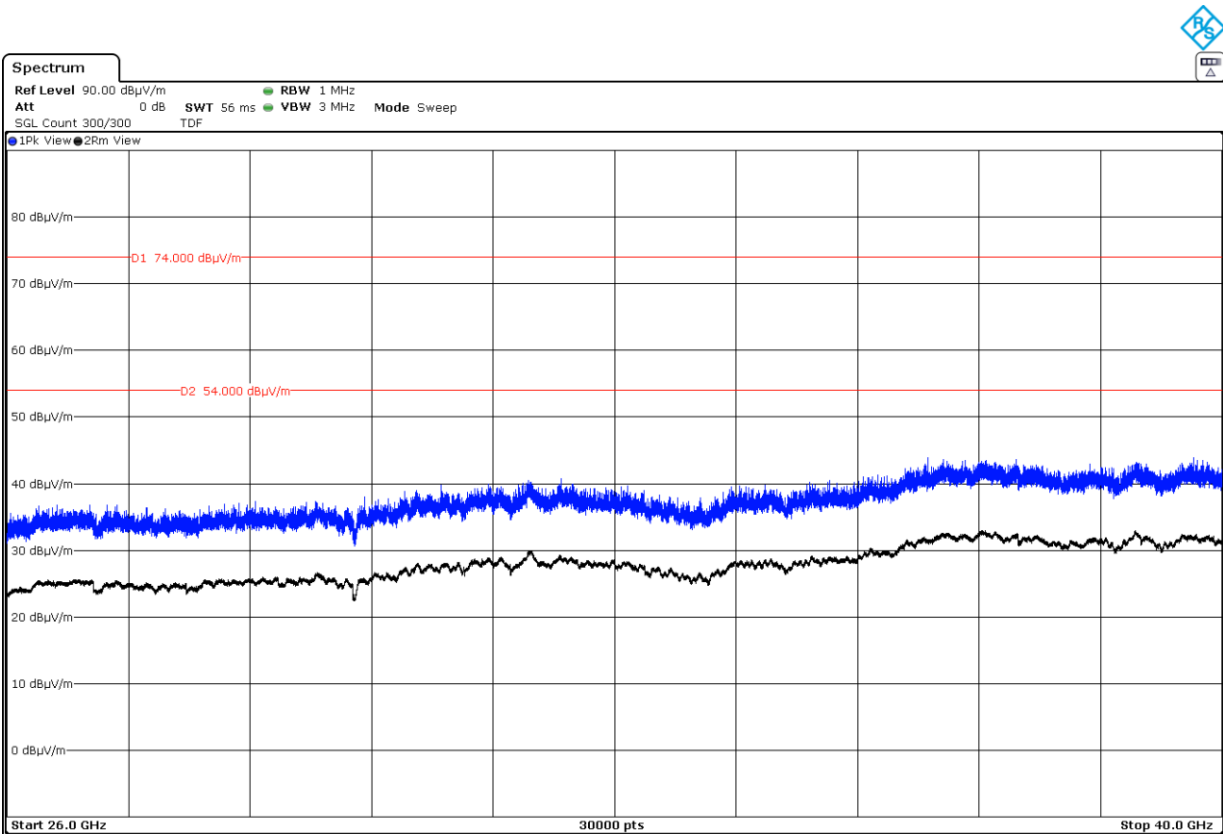
FREQUENCY RANGE 6.5 GHz to 17 GHz.



FREQUENCY RANGE 17 GHz to 26 GHz.



FREQUENCY RANGE 26 GHz to 40 GHz.



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

SPECIFICATION

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) / RSS-Gen is not required.

RESULTS:

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.

The lower band edge is adjacent to a non-restricted band. The test receiver resolution bandwidth was set to 100 kHz and video bandwidth 300 kHz. A peak detector was used, sweep time was set to auto and trace mode was MAX HOLD to maximise the carrier level and out-of-band emissions. A marker was placed on the highest emission level.

The upper band edge is adjacent to a restricted band. The test receiver resolution bandwidth was set to 1 MHz and video bandwidth 3 MHz. Peak and average measurements were performed with their respective detectors, sweep time auto and trace mode was MAX HOLD / trace averaging respectively to maximise the carrier level and out-of-band emissions. A marker was placed on the highest emission.

For restricted band (2310 MHz-2390 MHz) the test receiver resolution bandwidth was set to 1 MHz and video bandwidth 3 MHz. Peak and average measurements were performed with their respective detectors, sweep time auto couple and trace mode was MAX HOLD / trace averaging respectively.

Test performed on the following modes in all relevant tests channels:

- 802.11b: 1 Mbit/s / SISO on Core Aux
- 802.11g: 6 Mbit/s / SISO on Core Aux
- 802.11n HT20: MCS0 / SISO on Core Aux

Results for Mode: 802.11b - 20MHz – SISO – CORE Aux

Lower Band Edge - Channel 1

Frequency (MHz)	Polarization	Peak Level (dBuV/m)	-30 dBc Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2388.658	Horizontal	67.53	80.00	12.47	<±3.05	PASS

Lower Band Edge - Channel 2

Frequency (MHz)	Polarization	Peak Level (dBuV/m)	-30 dBc Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2399.830	Horizontal	67.94	82.04	14.10	<±3.05	PASS

Lower Band Edge - Channel 3

Frequency (MHz)	Polarization	Peak Level (dBuV/m)	-30 dBc Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2392.265	Horizontal	67.29	82.59	15.30	<±3.05	PASS

Lower Band Edge - Channel 4

Frequency (MHz)	Polarization	Peak Level (dBuV/m)	-30 dBc Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2398.893	Horizontal	68.04	84.78	16.74	<±3.05	PASS

Lower Band Edge - Channel 5

Frequency (MHz)	Polarization	Peak Level (dBuV/m)	-30 dBc Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2399.415	Horizontal	67.59	82.25	17.66	<±3.05	PASS

Upper Band Edge - Channel 7 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2484.838	Horizontal	63.91	74	10.09	<±3.05	PASS

Upper Band Edge - Channel 7 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2485.278	Horizontal	50.86	54	3.14	<±3.05	PASS

Upper Band Edge - Channel 8 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2485.792	Horizontal	65.71	74	8.29	<±3.05	PASS

Upper Band Edge - Channel 8 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2483.518	Horizontal	52.30(*)	54	1.70	<±3.05	PASS

(*) For emissions in restricted band, the integration method was used according to ANSI C63.10-2013 Section 11.13.3.

Upper Band Edge - Channel 9 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2484.875	Horizontal	63.11	74	10.89	<±3.05	PASS

Upper Band Edge - Channel 9 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2484.215	Horizontal	50.69	54	3.31	<±3.05	PASS

Upper Band Edge - Channel 10 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2486.818	Horizontal	63.10	74	10.99	<±3.05	PASS

Upper Band Edge - Channel 10 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2483.555	Horizontal	50.85	54	3.15	<±3.05	PASS

Upper Band Edge - Channel 11 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2487.193	Horizontal	61.57	74	12.43	<±3.05	PASS

Upper Band Edge - Channel 11 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2483.513	Horizontal	49.66	54	4.34	<±3.05	PASS

Upper Band Edge - Channel 12 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2485.388	Horizontal	63.52	74	10.48	<±3.05	PASS

Upper Band Edge - Channel 12 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2483.518	Horizontal	50.78	54	3.22	<±3.05	PASS

Upper Band Edge - Channel 13 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2484.215	Horizontal	62.43	74	11.57	<±3.05	PASS

Upper Band Edge - Channel 13 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2483.518	Horizontal	48.93	54	5.07	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 1 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2389.987	Horizontal	63.36	74	10.64	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 1 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2387.160	Horizontal	50.76	54	3.24	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 2 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2389.427	Horizontal	63.77	74	10.23	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 2 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2389.960	Horizontal	50.57	54	3.43	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 3 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2388.067	Horizontal	62.64	74	11.36	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 3 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2389.800	Horizontal	50.00	54	4.00	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 4 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2387.033	Horizontal	63.81	74	10.19	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 4 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2389.827	Horizontal	51.94	54	2.06	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 5 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2386.707	Horizontal	63.16	74	10.84	<±3.05	PASS

2310 MHz to 2390 MHz Restricted Band - Channel 5 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2388.813	Horizontal	49.66	54	4.34	<±3.05	PASS

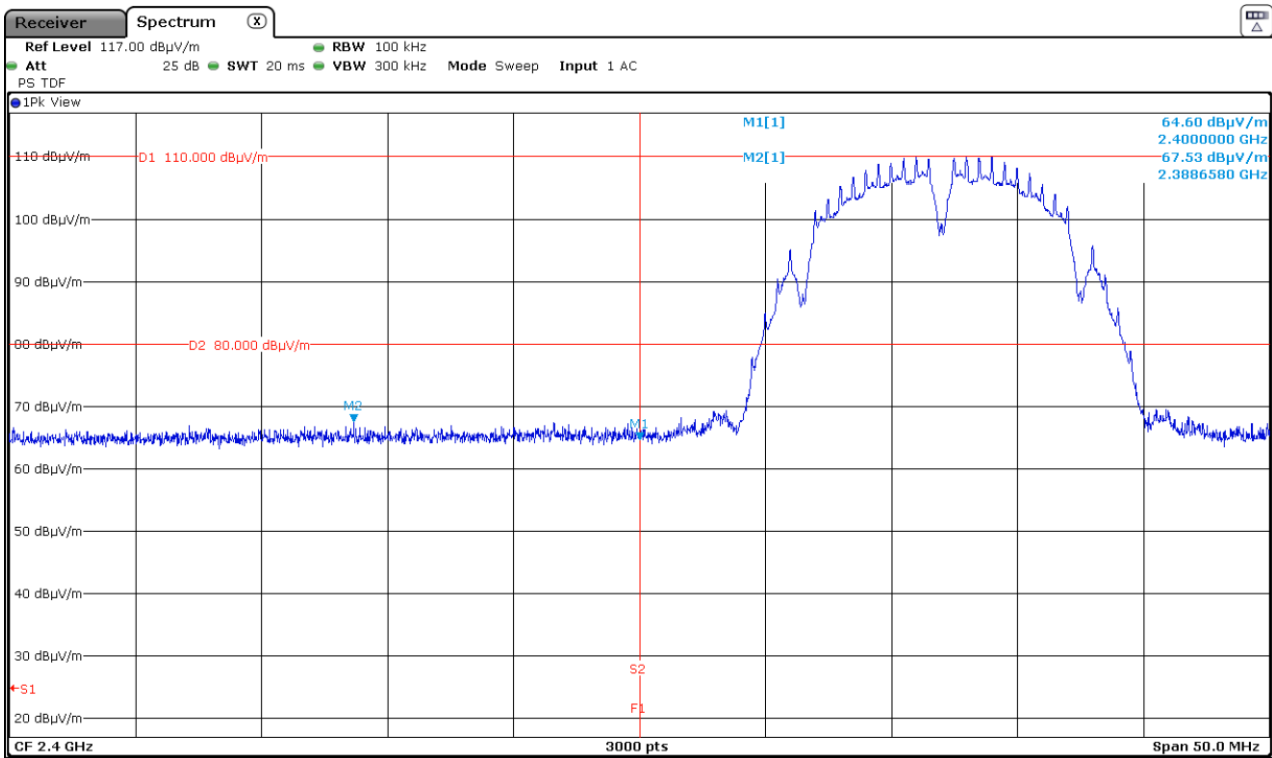
2310 MHz to 2390 MHz Restricted Band - Channel 6 (Peak)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2389.960	Horizontal	62.15	74	11.85	<±3.05	PASS

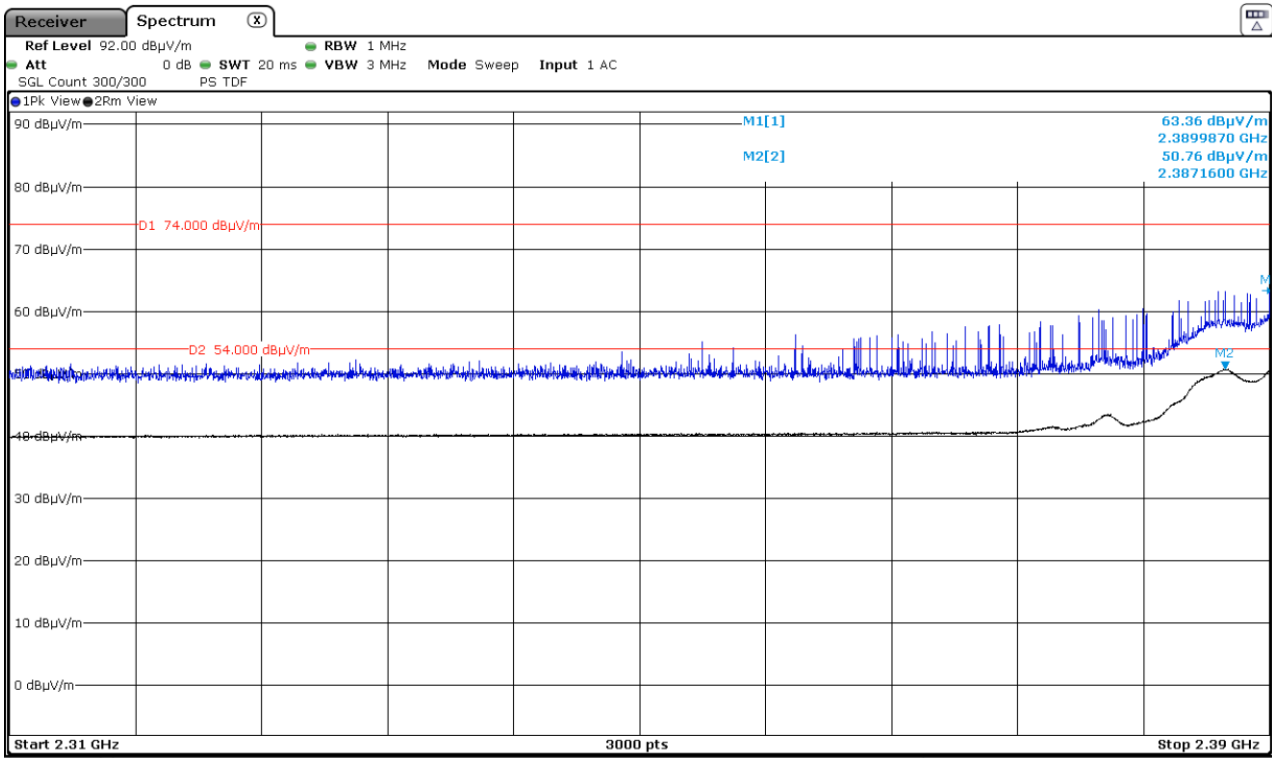
2310 MHz to 2390 MHz Restricted Band - Channel 6 (Average)

Frequency (MHz)	Polarization	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
2389.880	Horizontal	48.49	54	5.51	<±3.05	PASS

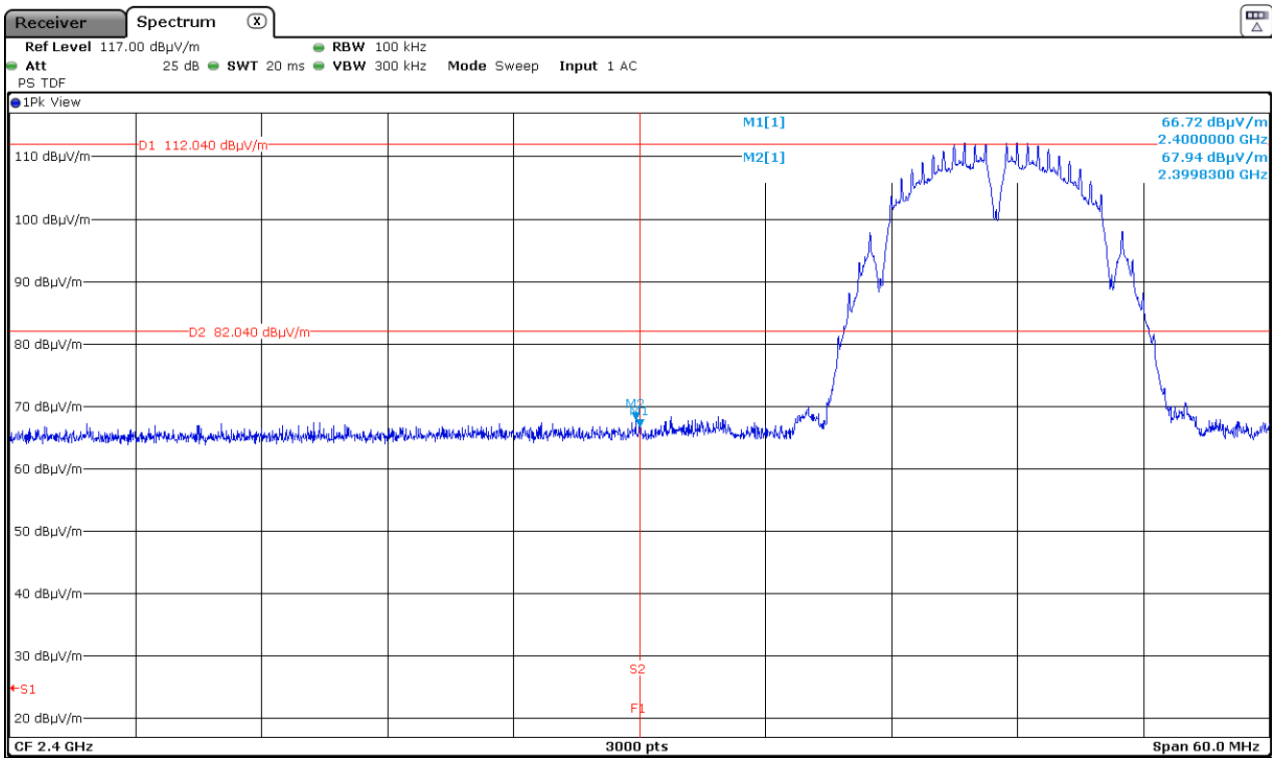
Lower Band Edge Channel 1



2310 MHz to 2390 MHz Restricted Band Channel 1



Lower Band Edge Channel 2



2310 MHz to 2390 MHz Restricted Band Channel 2

