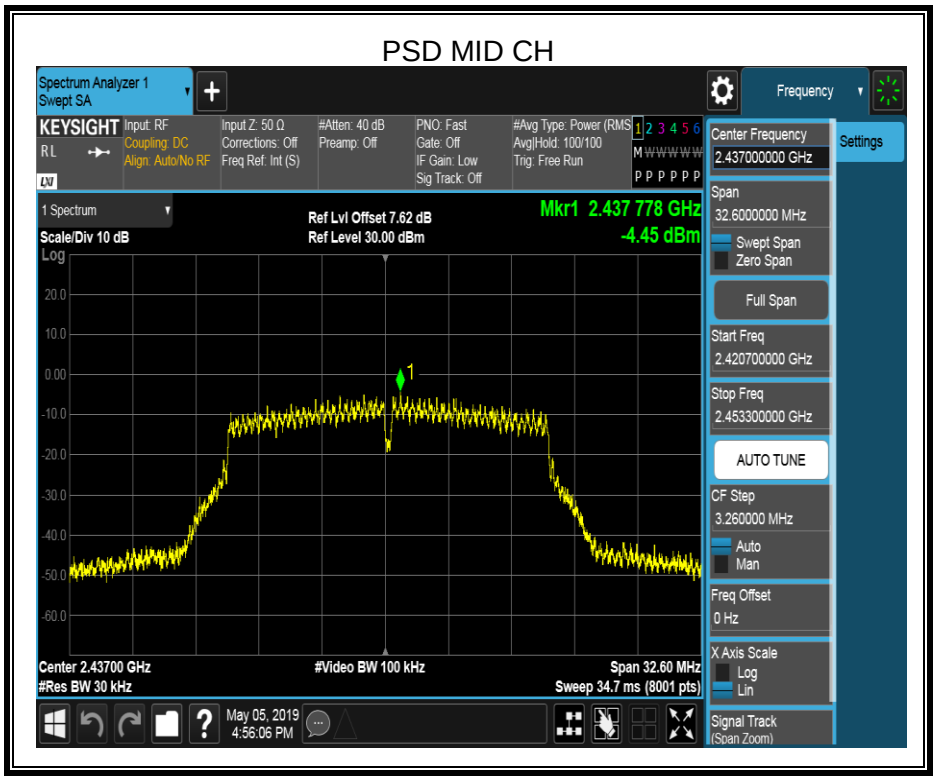
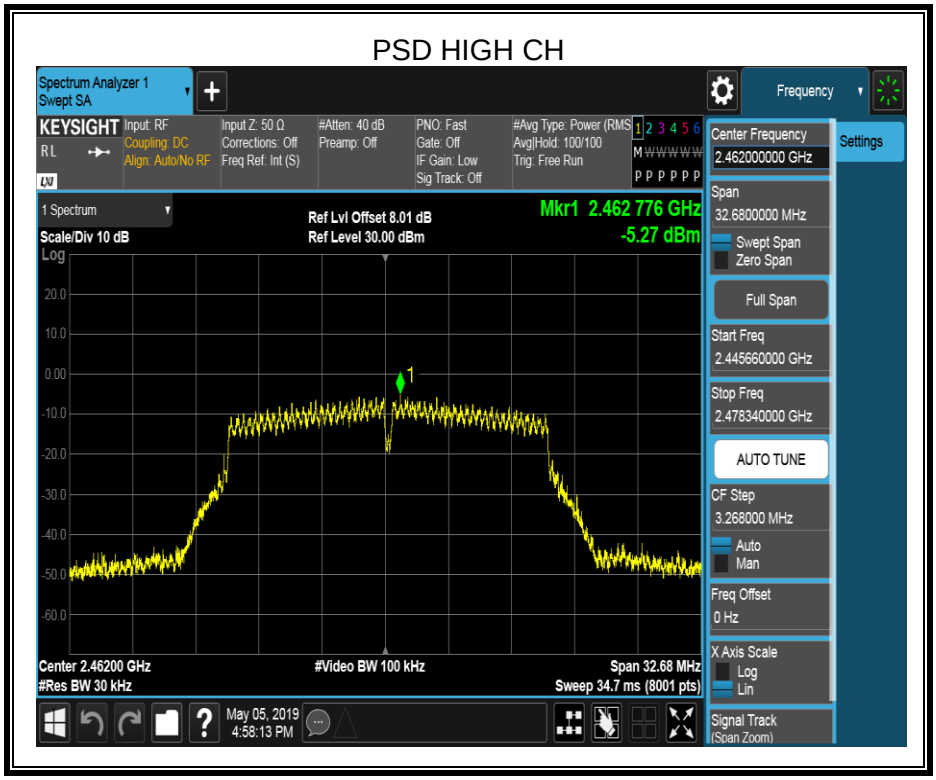
PSD MID CH



PSD HIGH CH

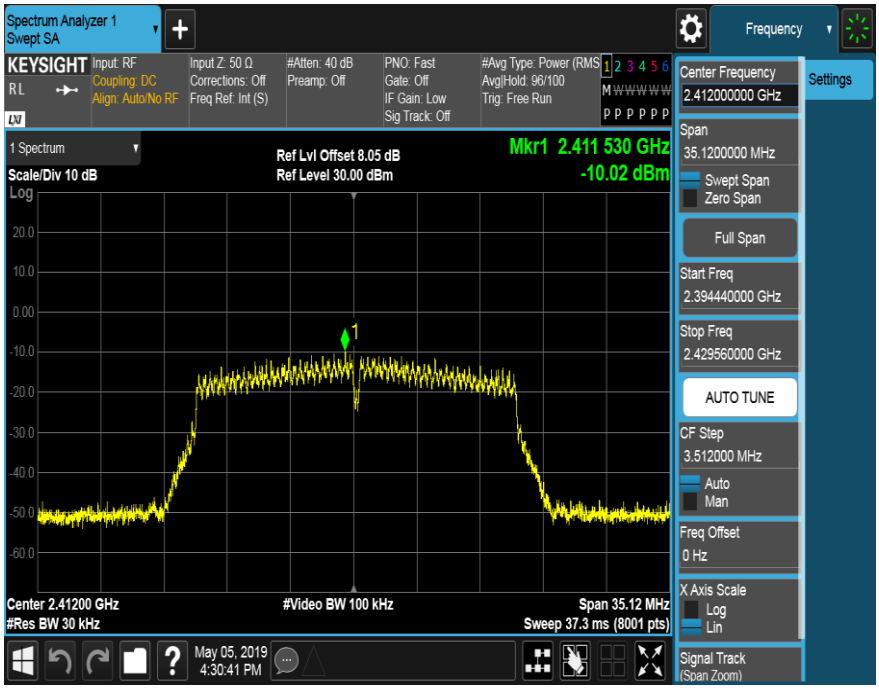


8.4.3. 802.11n HT20 MIMO MODE

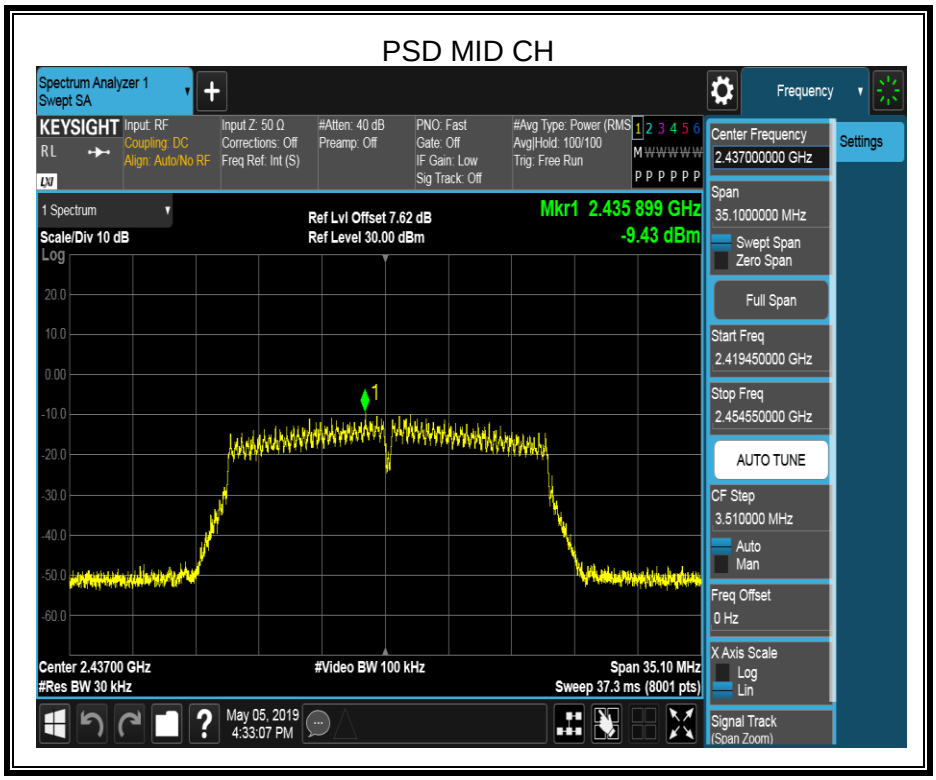
ANTENNA1

Test Channel	Power Spectral Density (dBm/30kHz)	Limit (dBm/3kHz)	Result
Low	-10.02	7.99	PASS
Middle	-9.43	7.99	PASS
High	-8.32	7.99	PASS

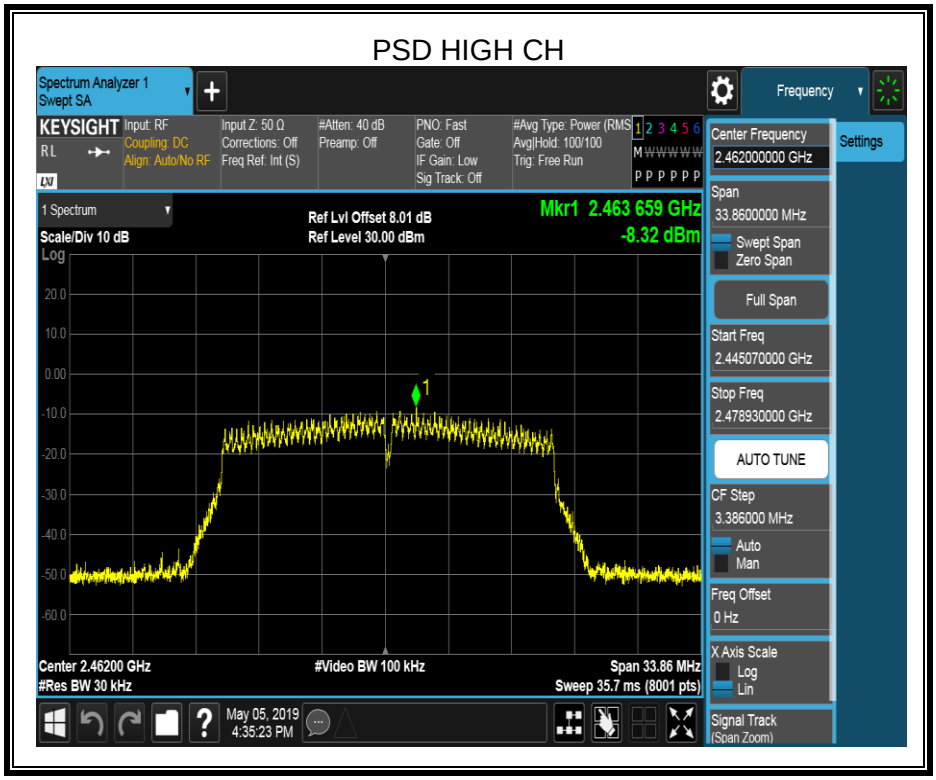
PSD LOW CH



PSD MID CH



PSD HIGH CH

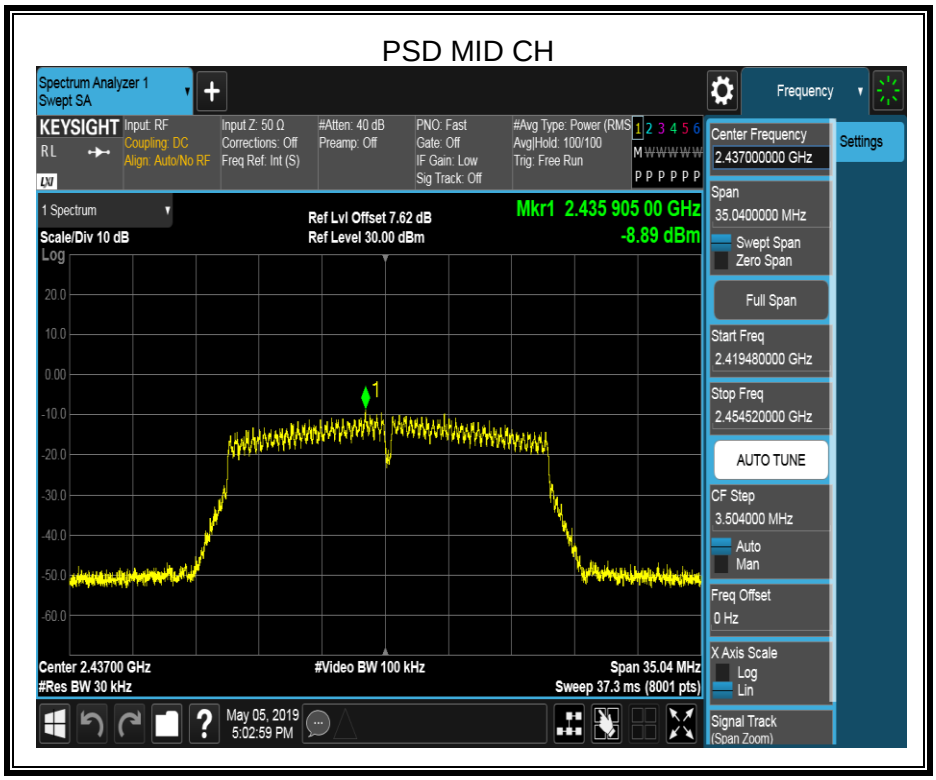


ANTENNA2

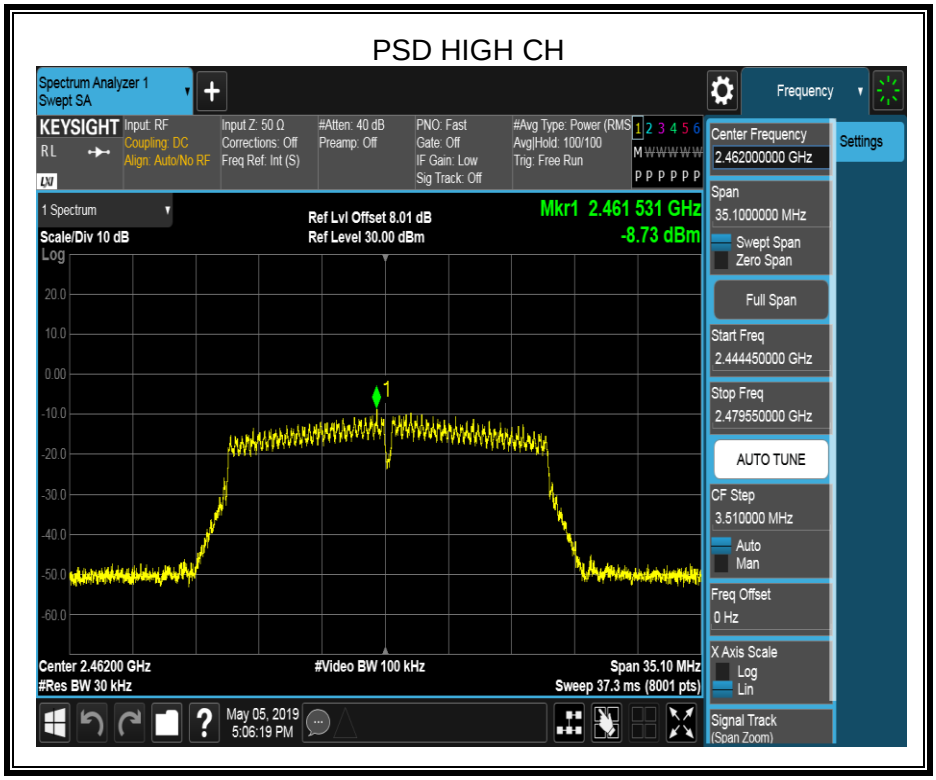
Test Channel	Power Spectral Density (dBm/30kHz)	Limit (dBm/3kHz)	Result
Low	-9.78	7.99	PASS
Middle	-8.89	7.99	PASS
High	-8.73	7.99	PASS

PSD LOW CH

PSD MID CH



PSD HIGH CH



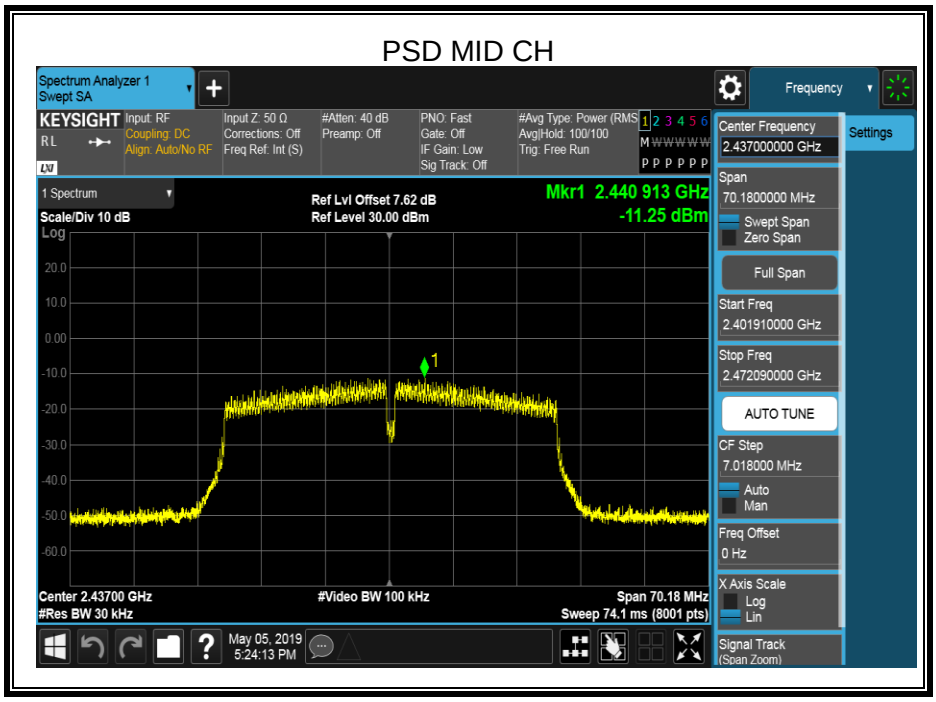
8.4.1. 802.11n HT40 MIMO MODE

ANTENNA1

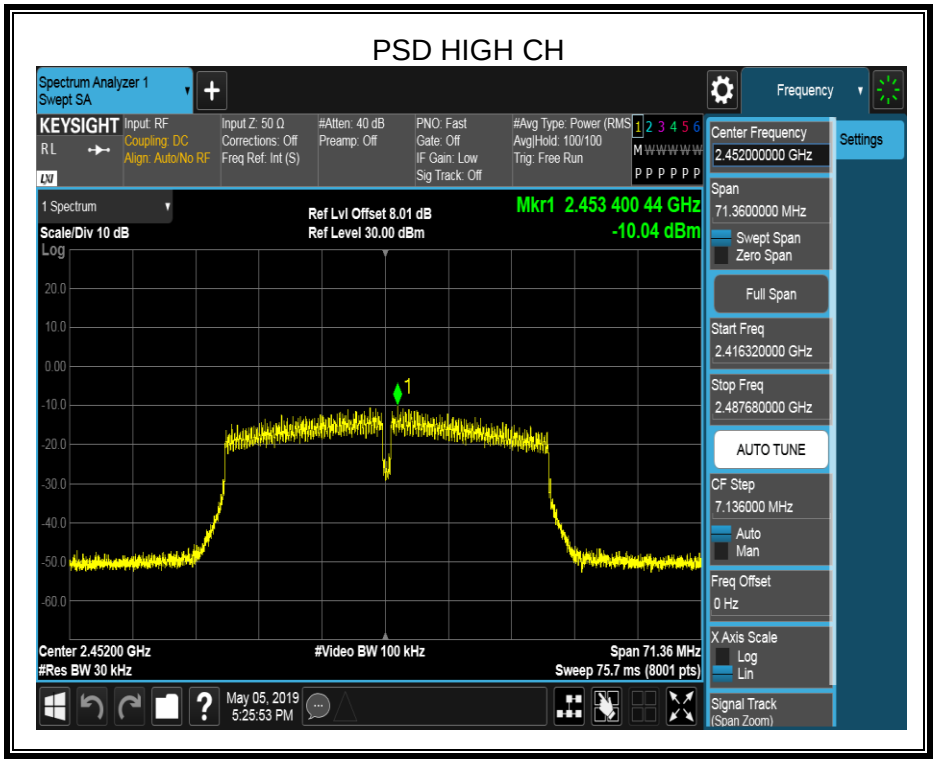
Test Channel	Power Spectral Density (dBm/30kHz)	Limit (dBm/3kHz)	Result
Low	-10.99	7.99	PASS
Middle	-11.25	7.99	PASS
High	-10.04	7.99	PASS

PSD LOW CH

PSD MID CH



PSD HIGH CH

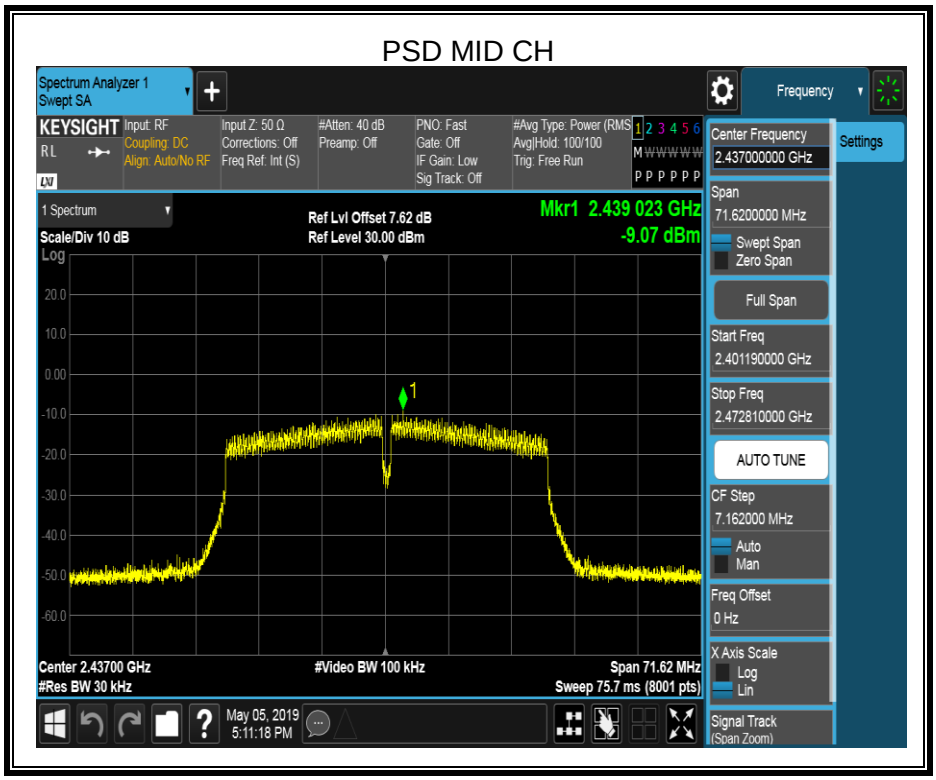


ANTENNA2

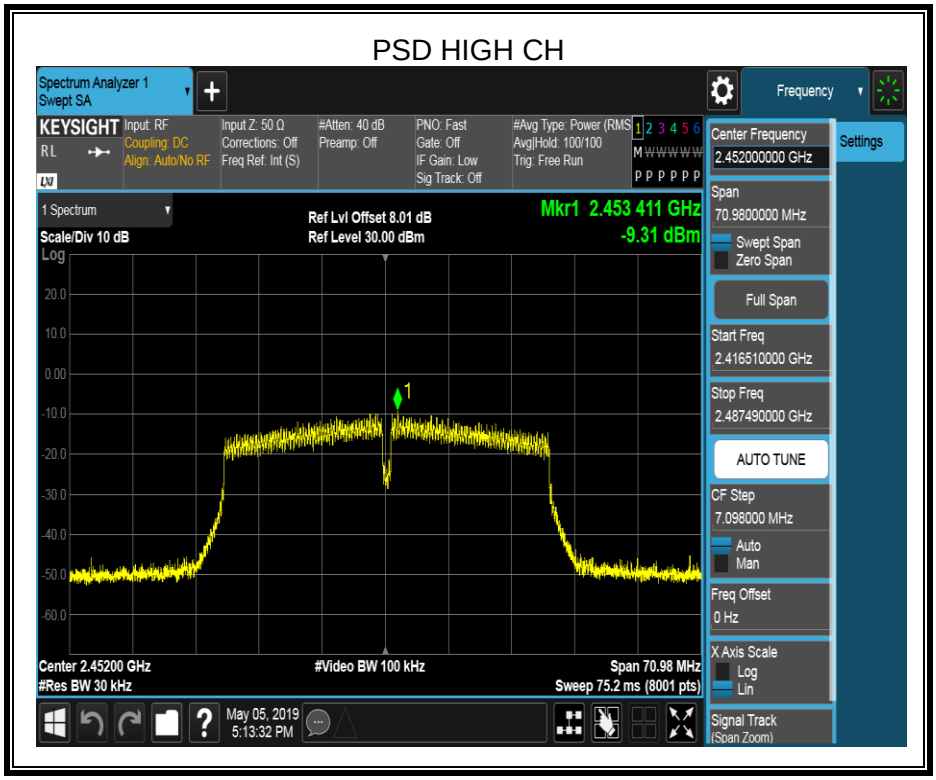
Test Channel	Power Spectral Density (dBm/30kHz)	Limit (dBm/3kHz)	Result
Low	-10.45	7.99	PASS
Middle	-9.07	7.99	PASS
High	-9.31	7.99	PASS

PSD LOW CH

PSD MID CH



PSD HIGH CH



8.5. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 2		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d) ISED RSS-247 5.5	Conducted Bandedge and Spurious Emissions	at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

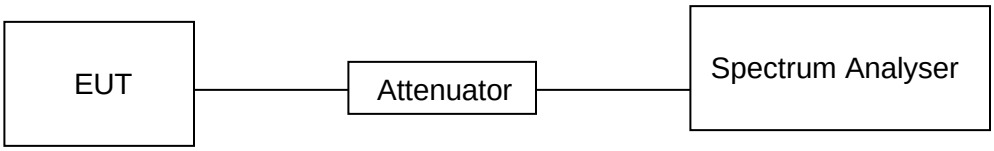
Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	100K
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Use the peak marker function to determine the maximum PSD level.

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100K
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

Use the peak marker function to determine the maximum amplitude level**.**

TEST SETUP



TEST ENVIRONMENT

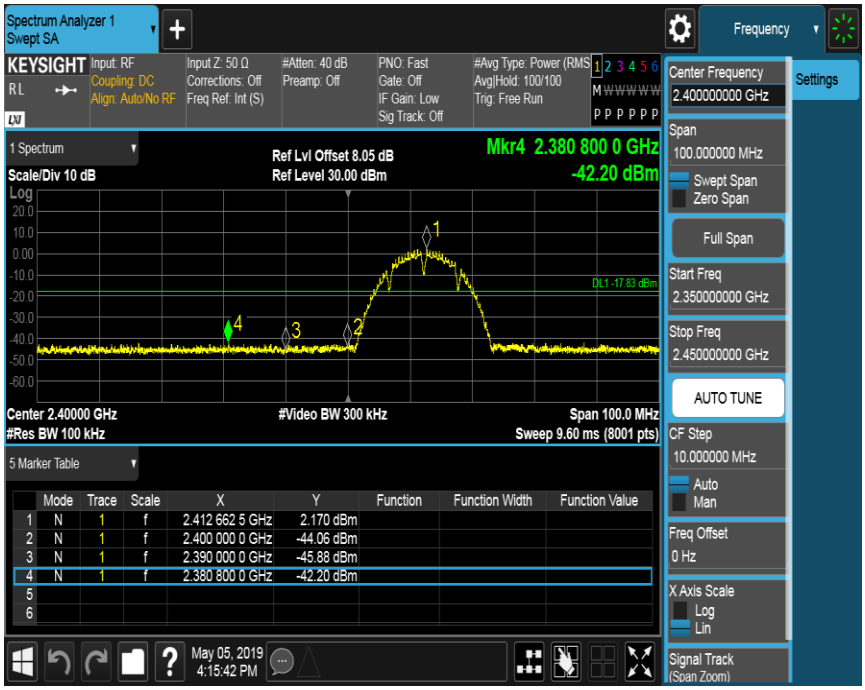
Temperature	20°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	DC 5.0V

RESULTS

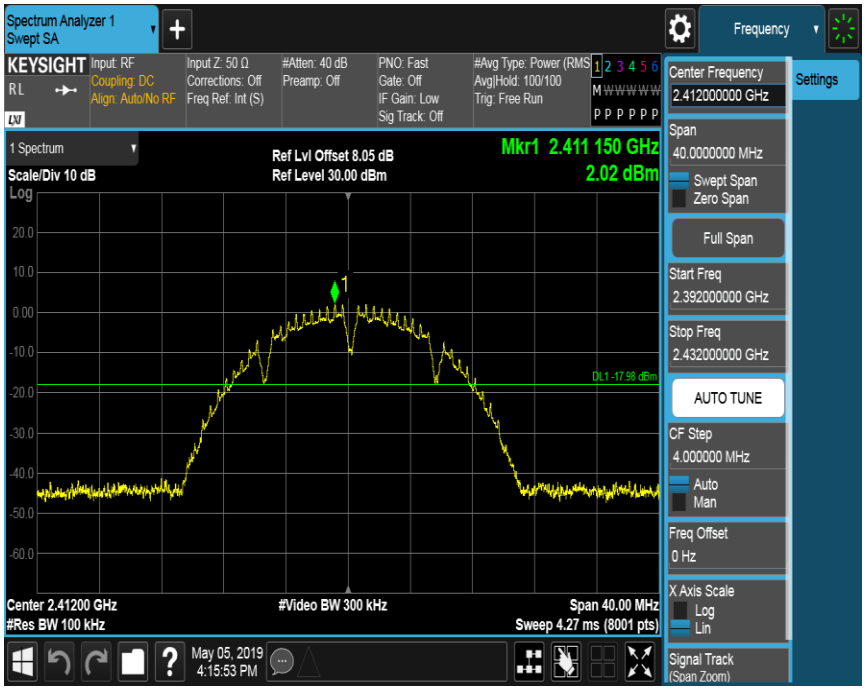
8.5.1. 802.11b SISO MODE

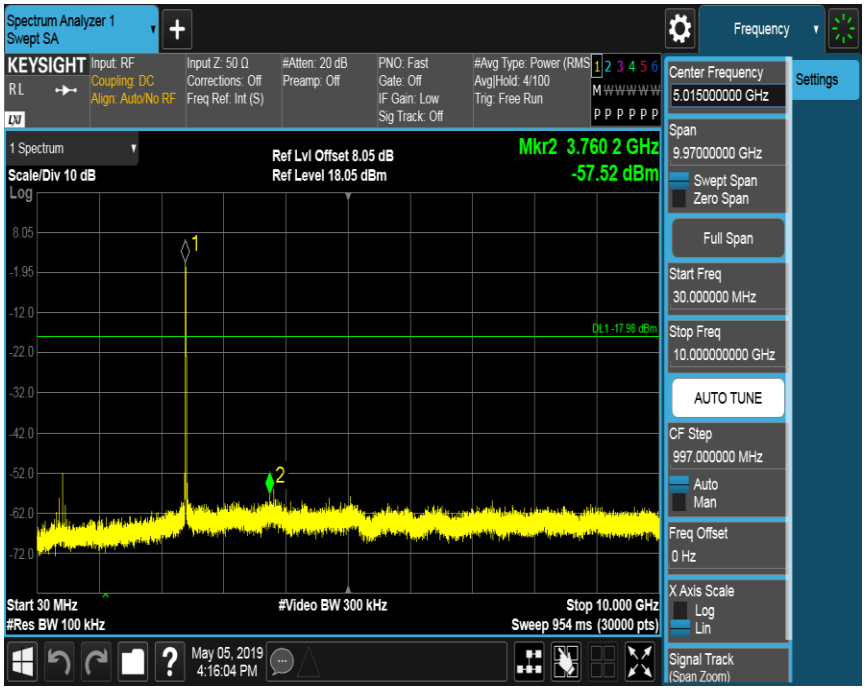
ANTENNA1

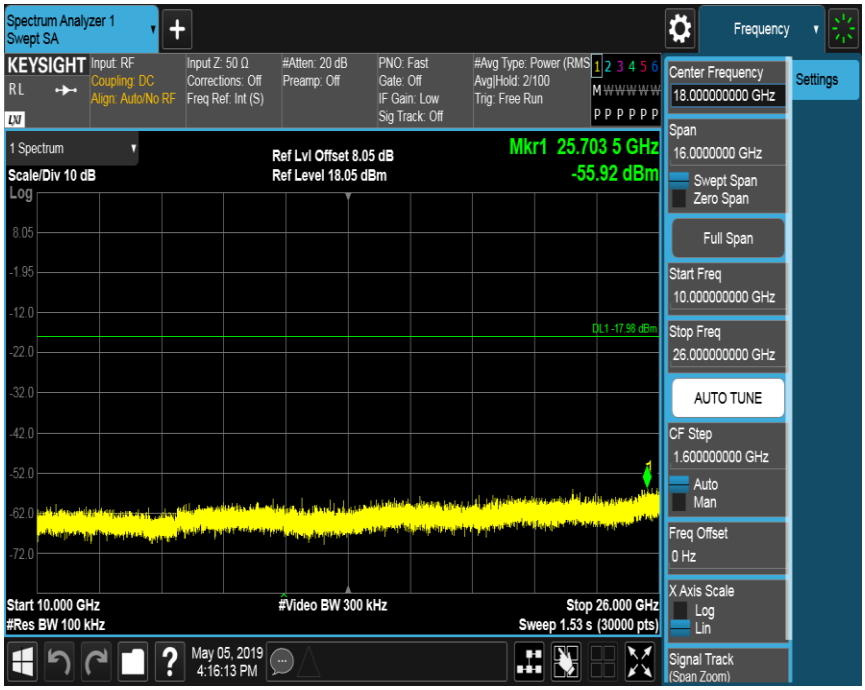
LOW CH BANDEDGE



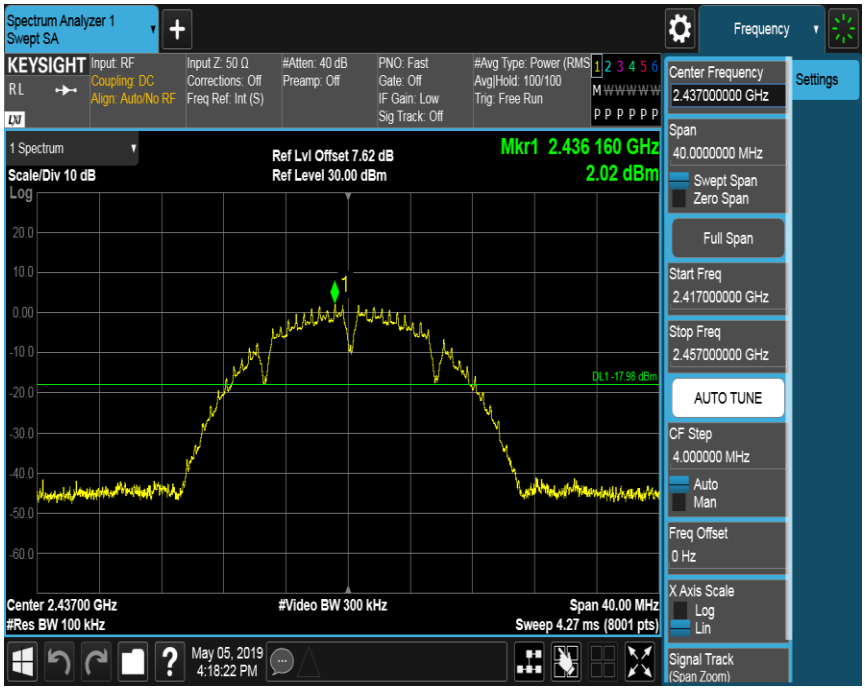
LOW CH SPURIOUS EMISSIONS 30M-26G

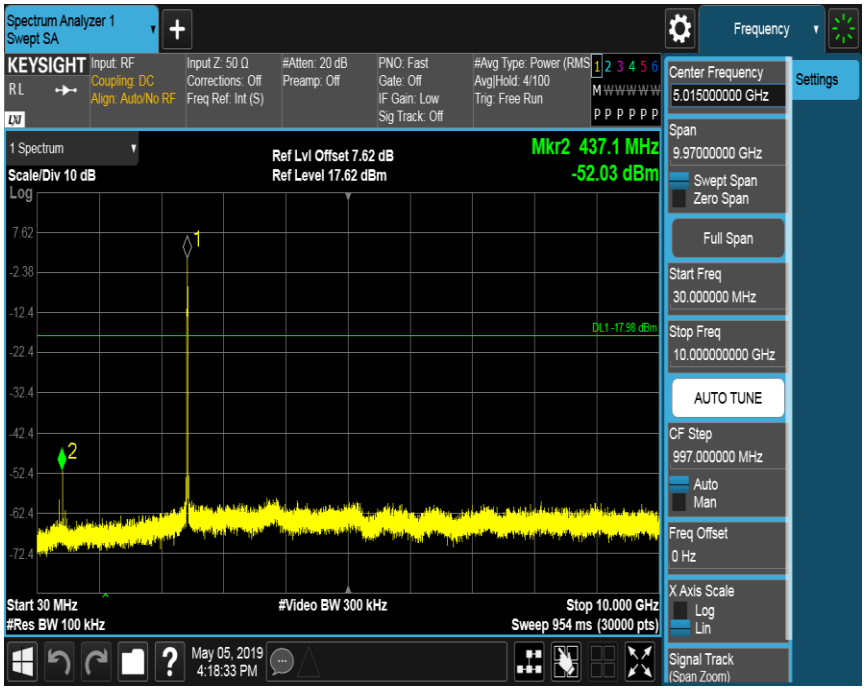


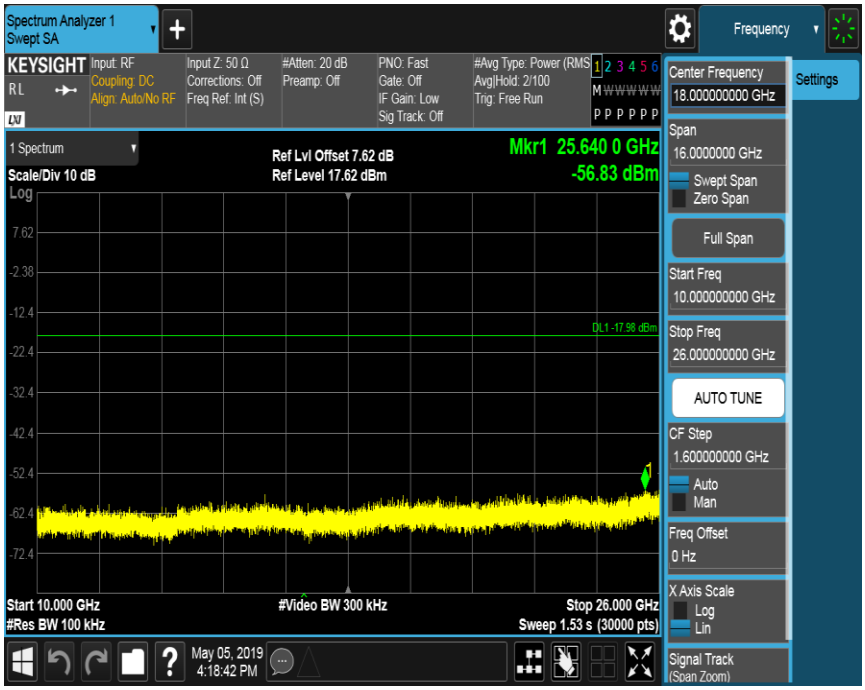




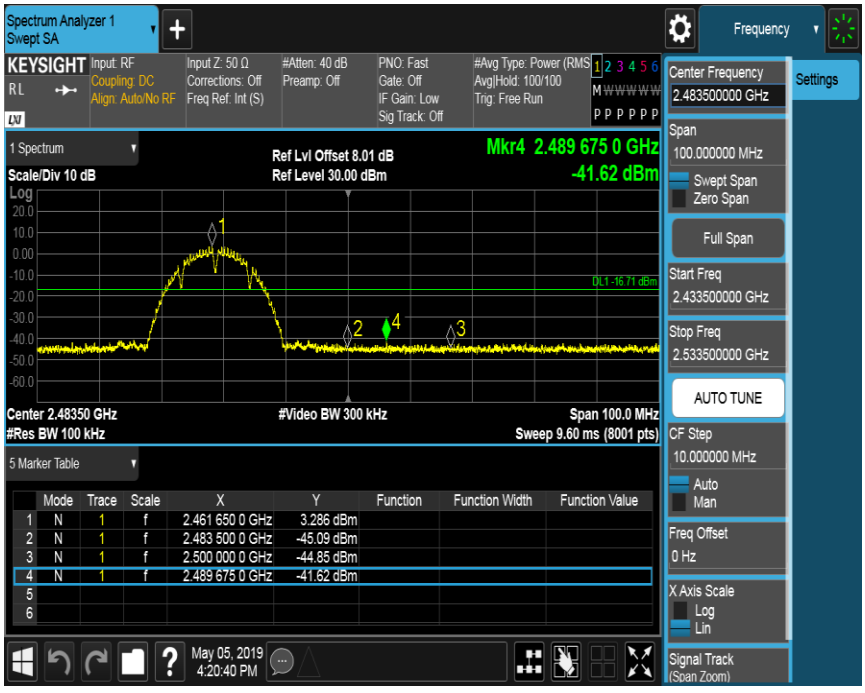
MID CH SPURIOUS EMISSIONS 30M-26G



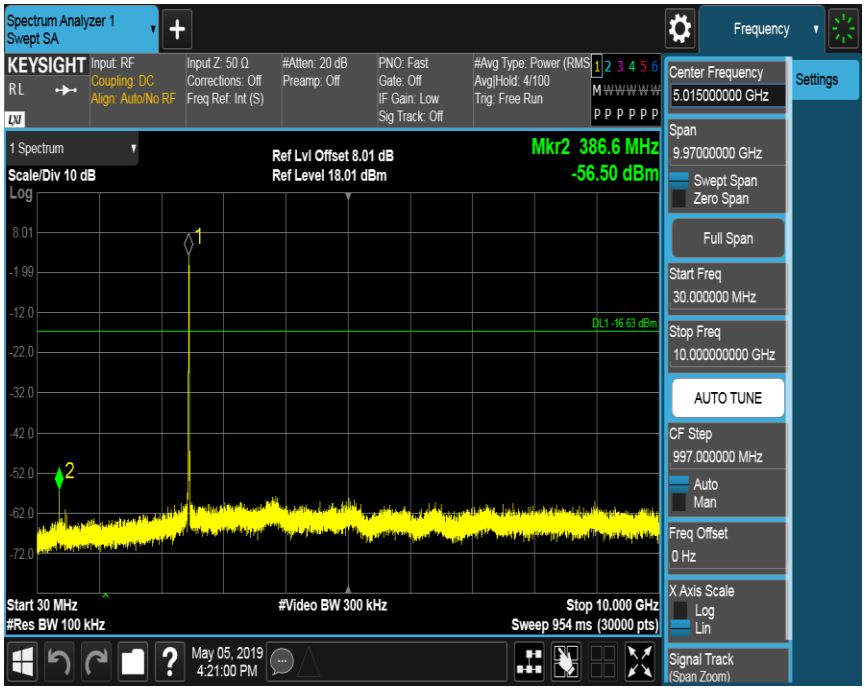


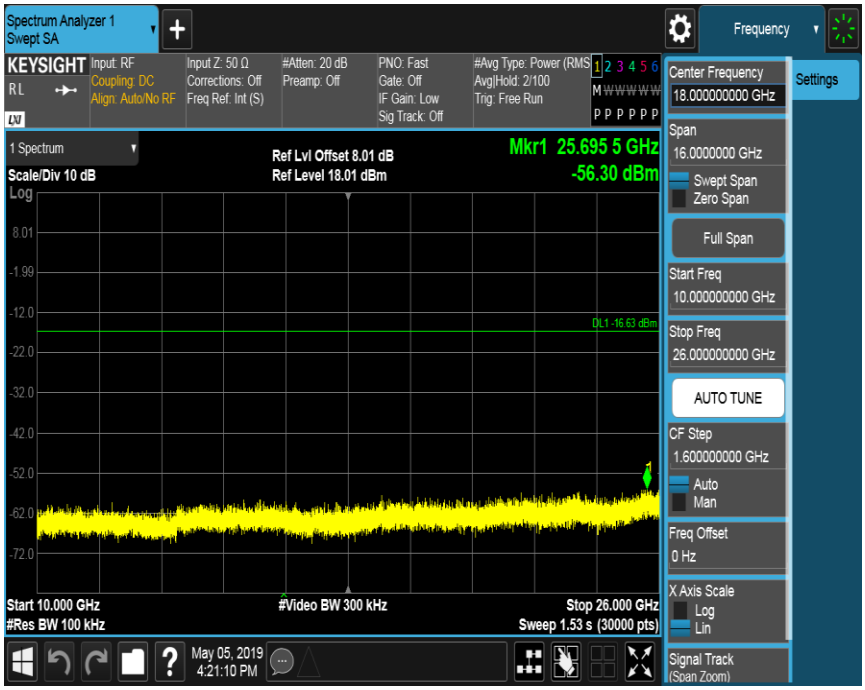


HIGH CH BANDEDGE



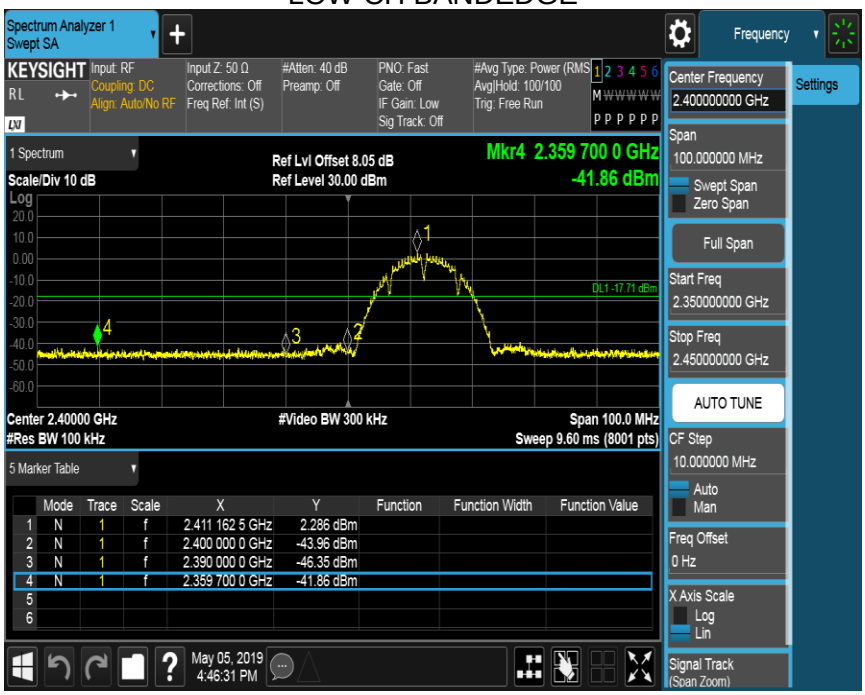
HIGH CH SPURIOUS EMISSIONS 30M-26G



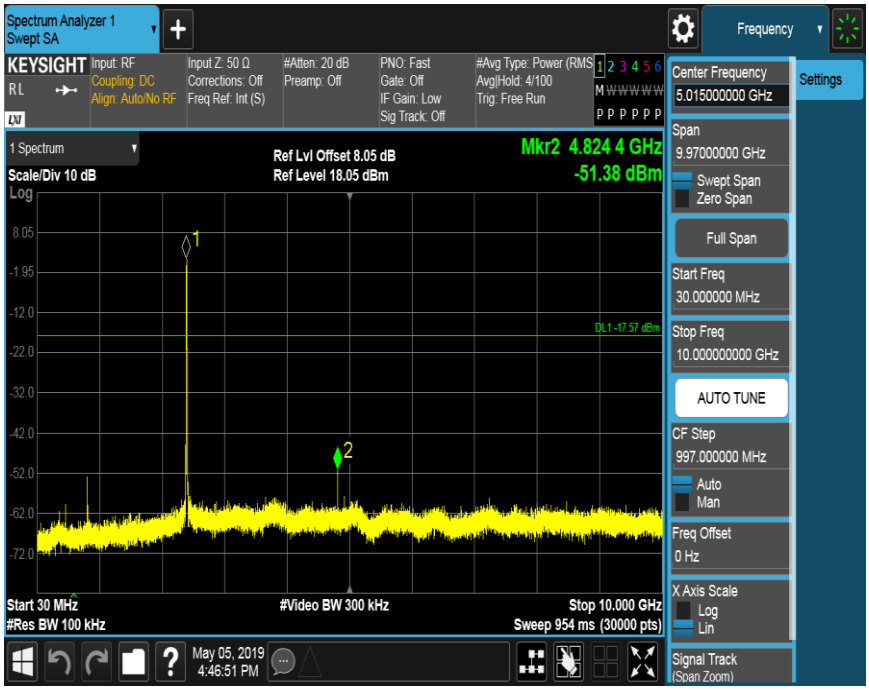


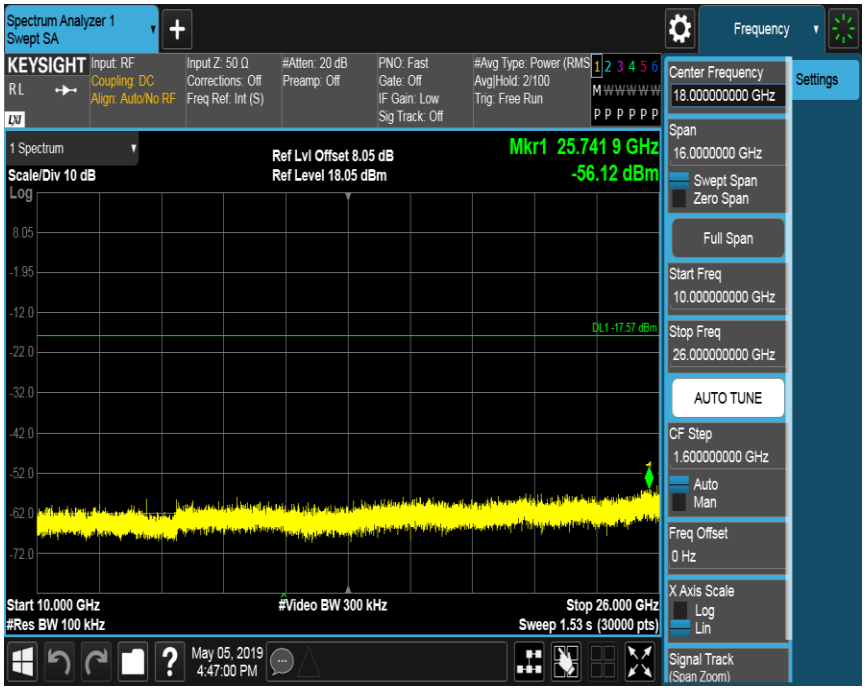
ANTENNA2

LOW CH BANDEDGE

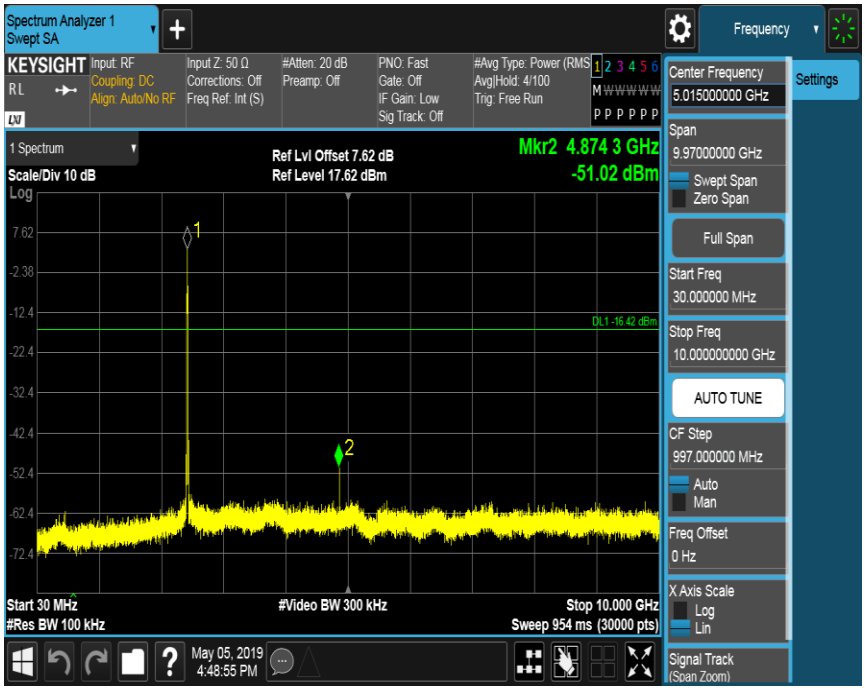


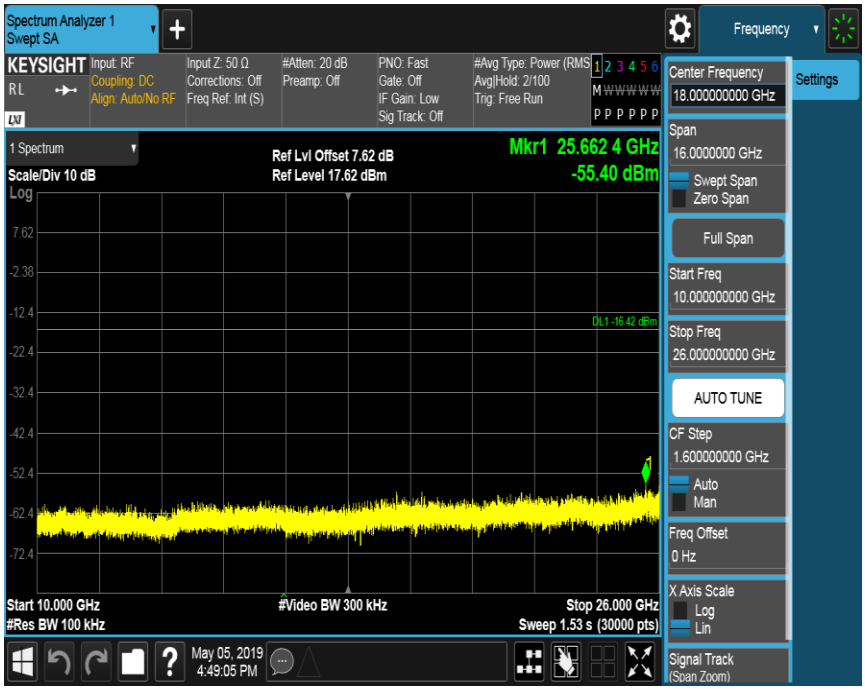
LOW CH SPURIOUS EMISSIONS 30M-26G



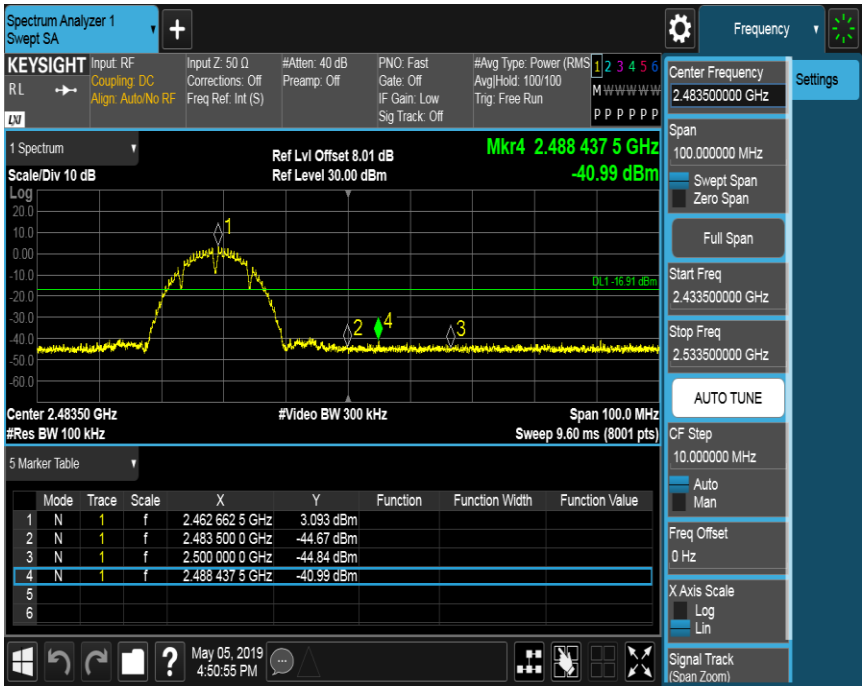


MID CH SPURIOUS EMISSIONS 30M-26G

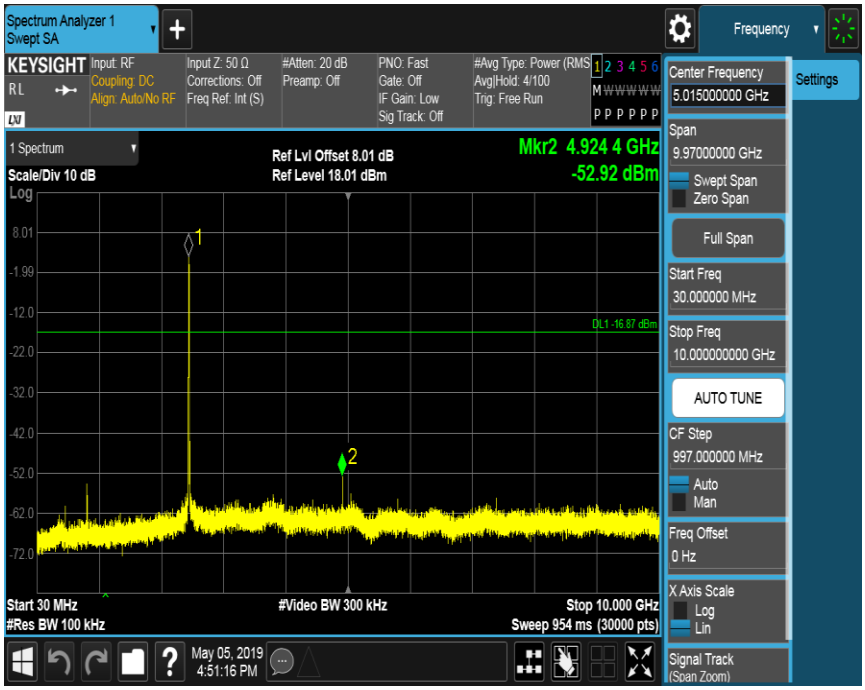


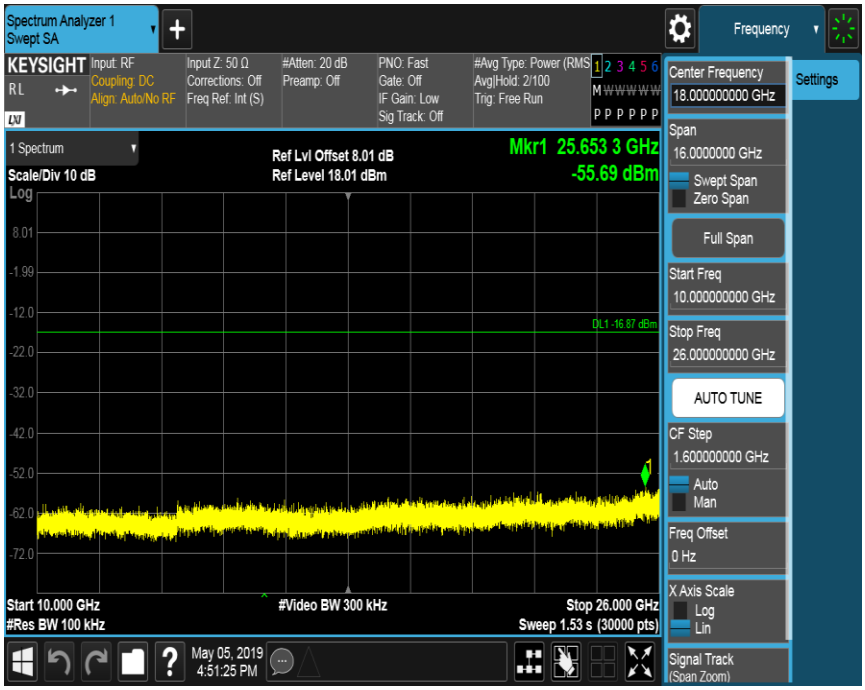


HIGH CH BANDEDGE



HIGH CH SPURIOUS EMISSIONS 30M-26G

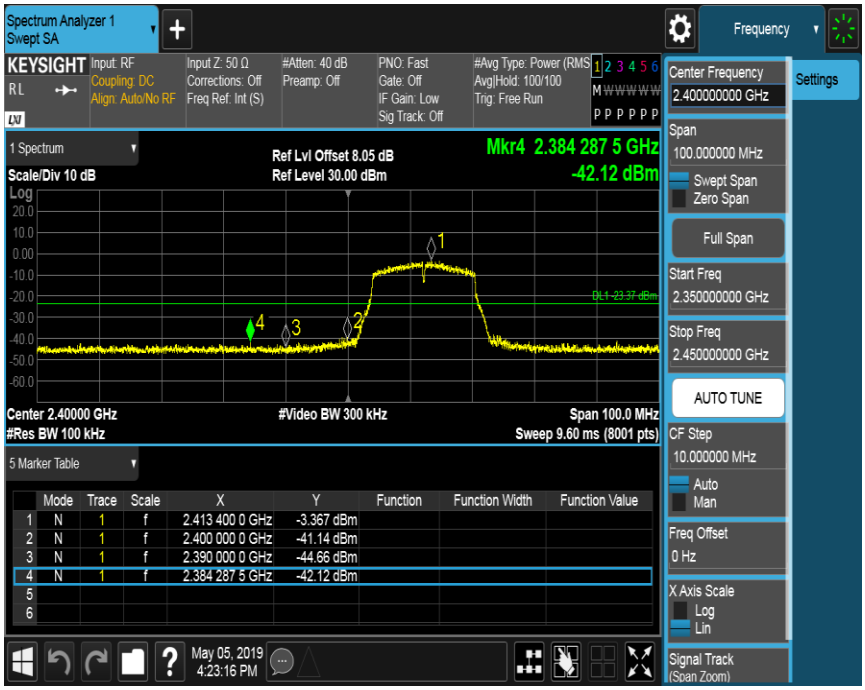




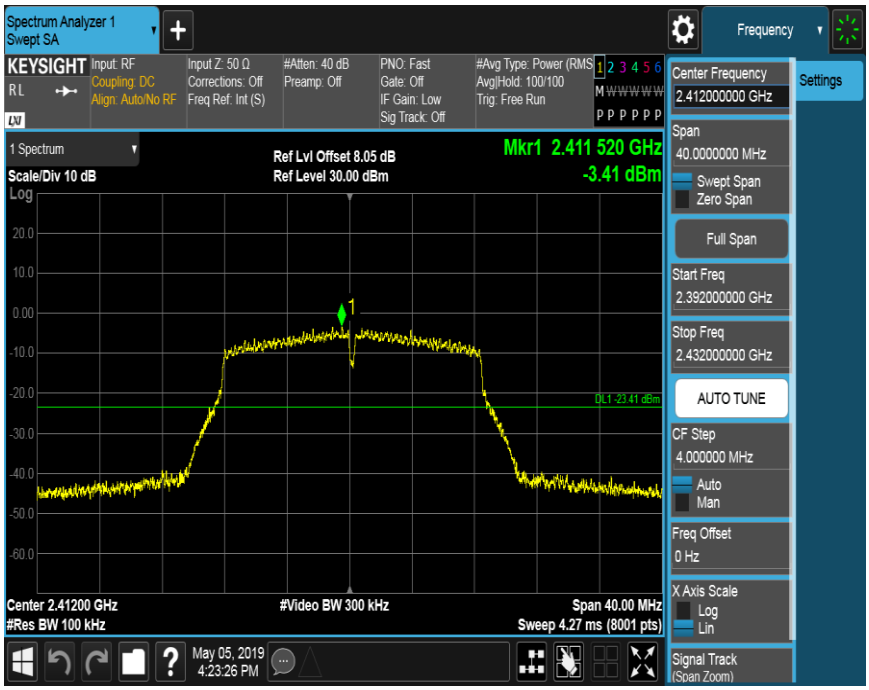
8.5.2. 802.11g SISO MODE

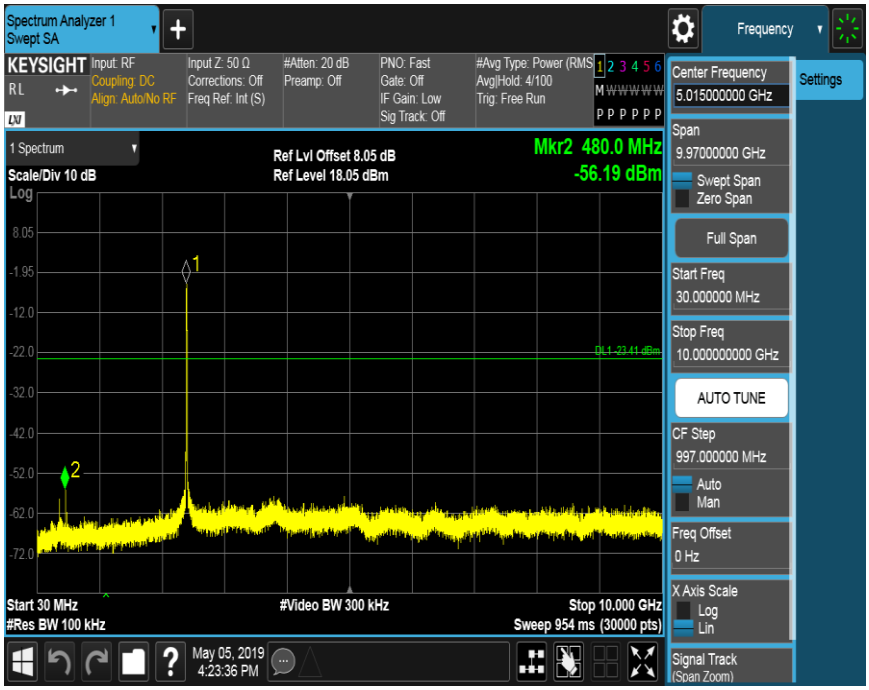
ANTENNA1

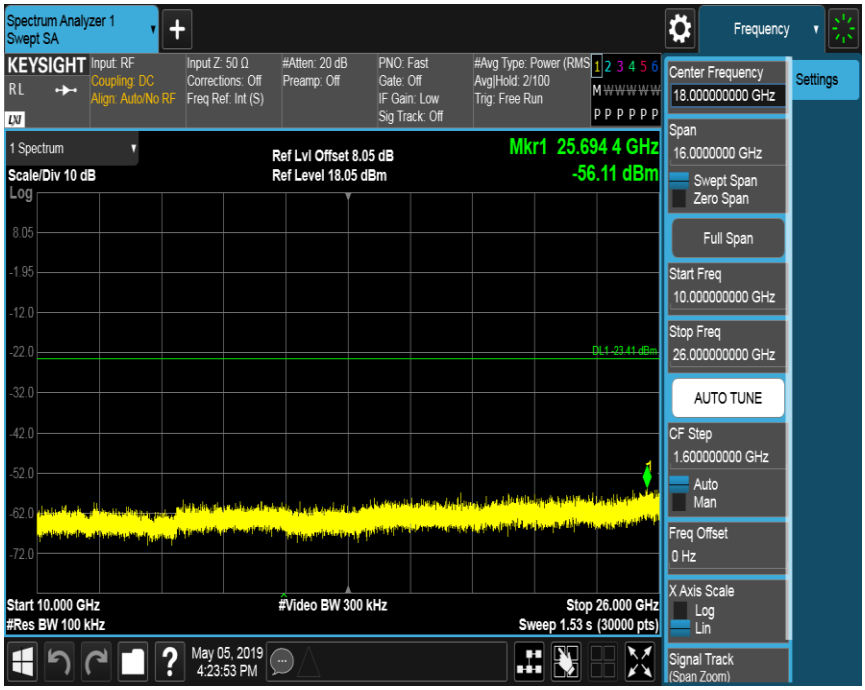
LOW CH BANDEDGE



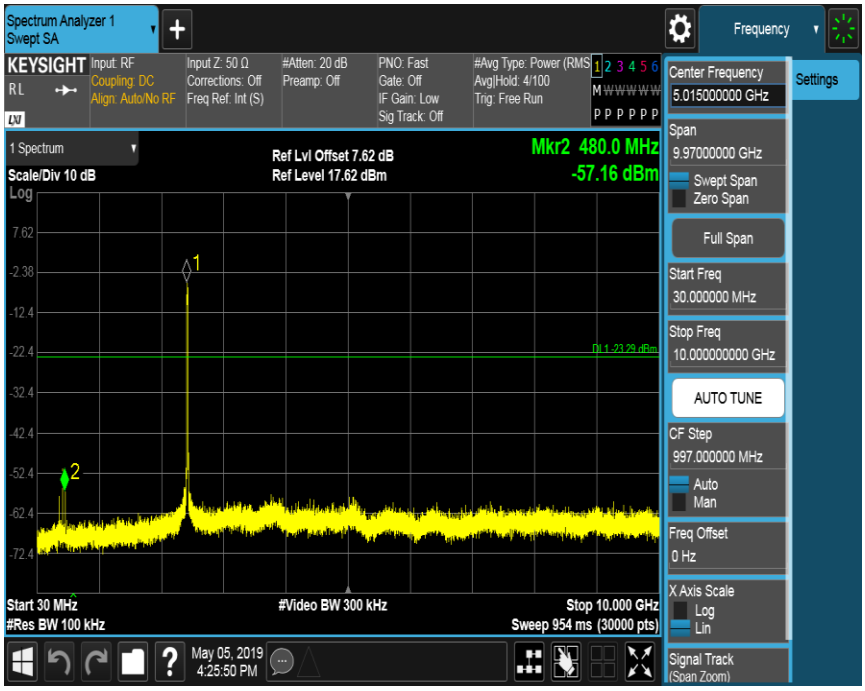
LOW CH SPURIOUS EMISSIONS 30M-26G

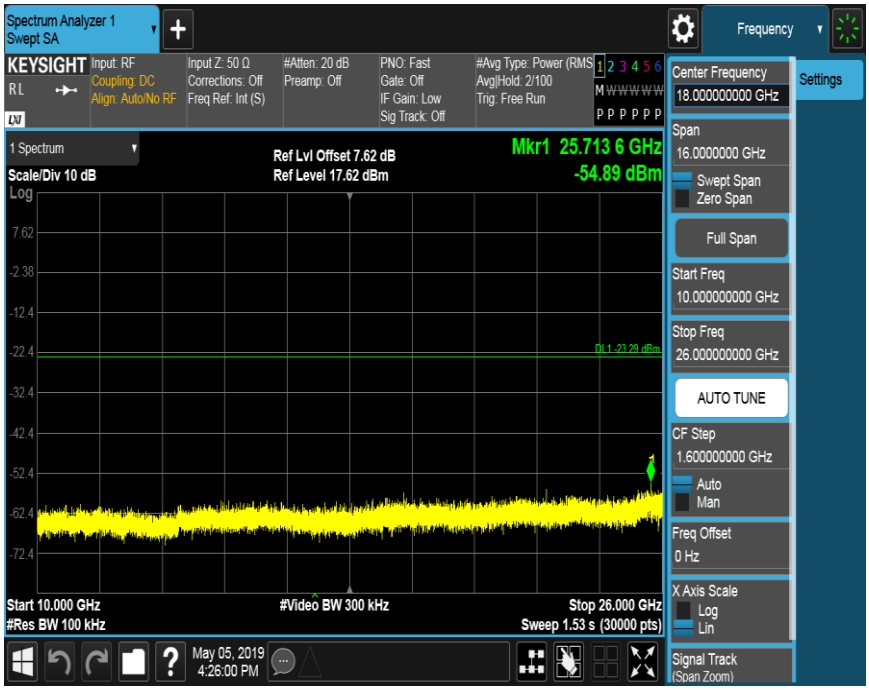




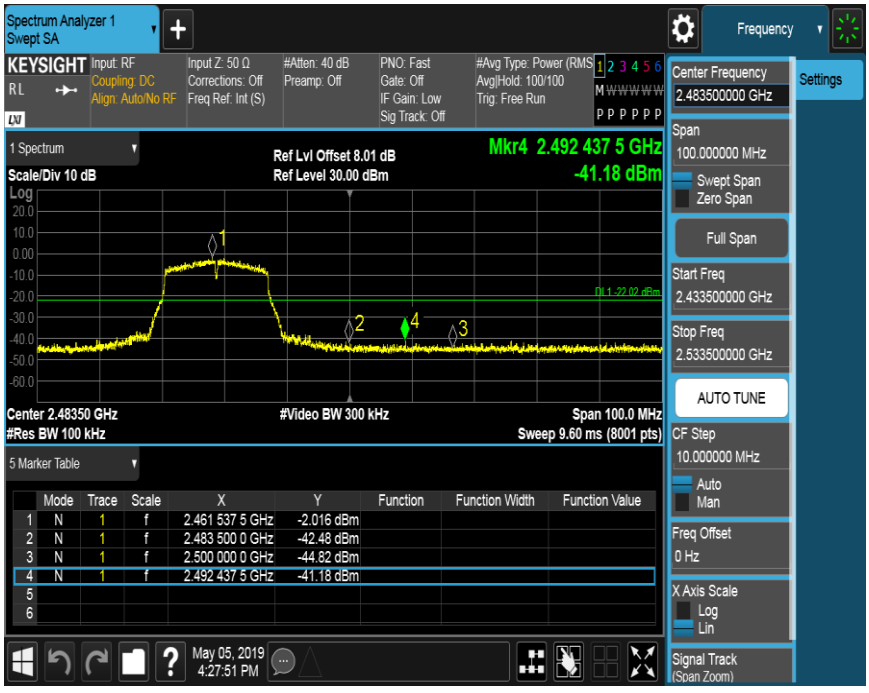


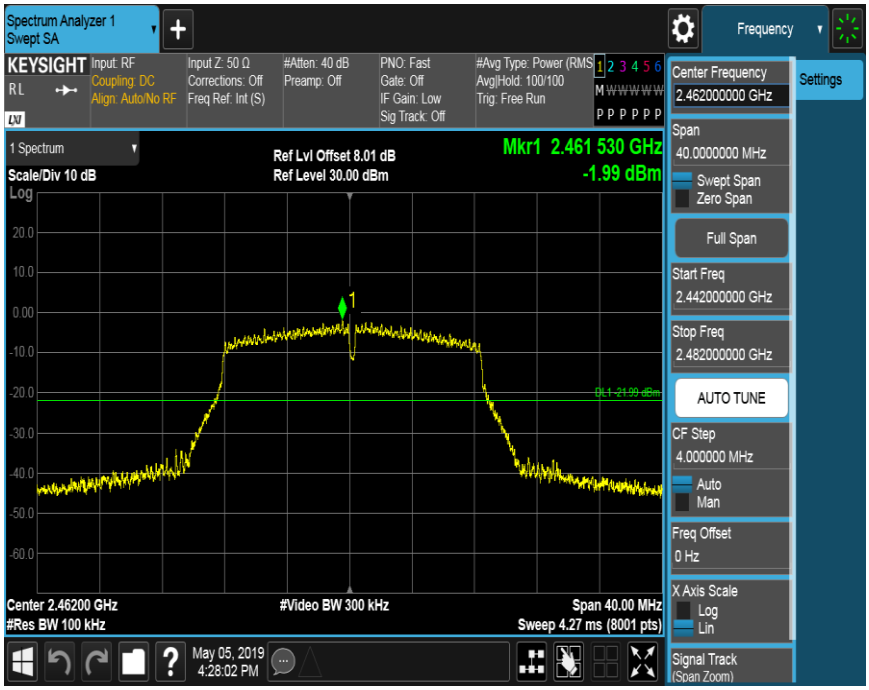
MID CH SPURIOUS EMISSIONS 30M-26G



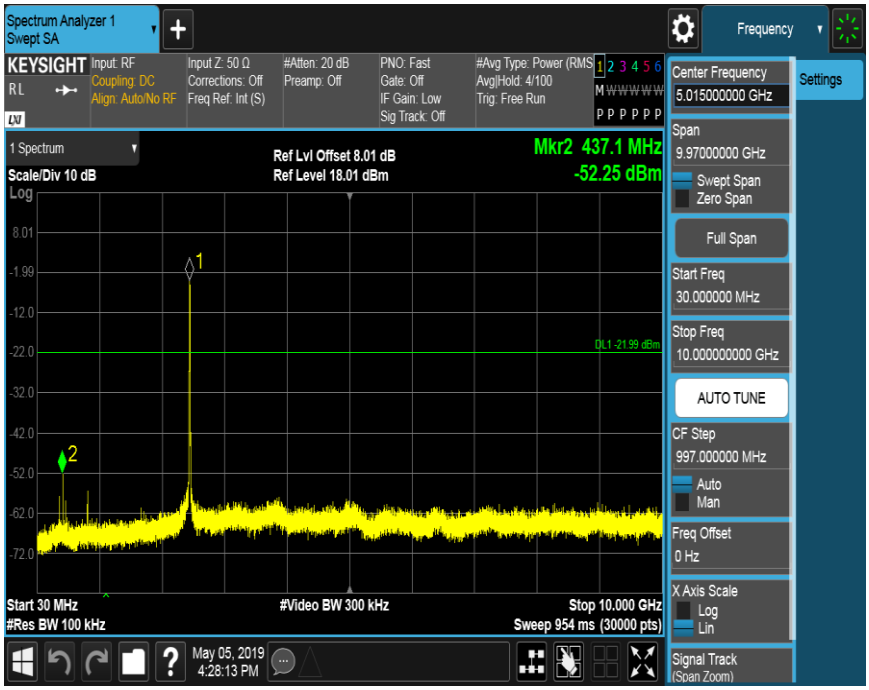


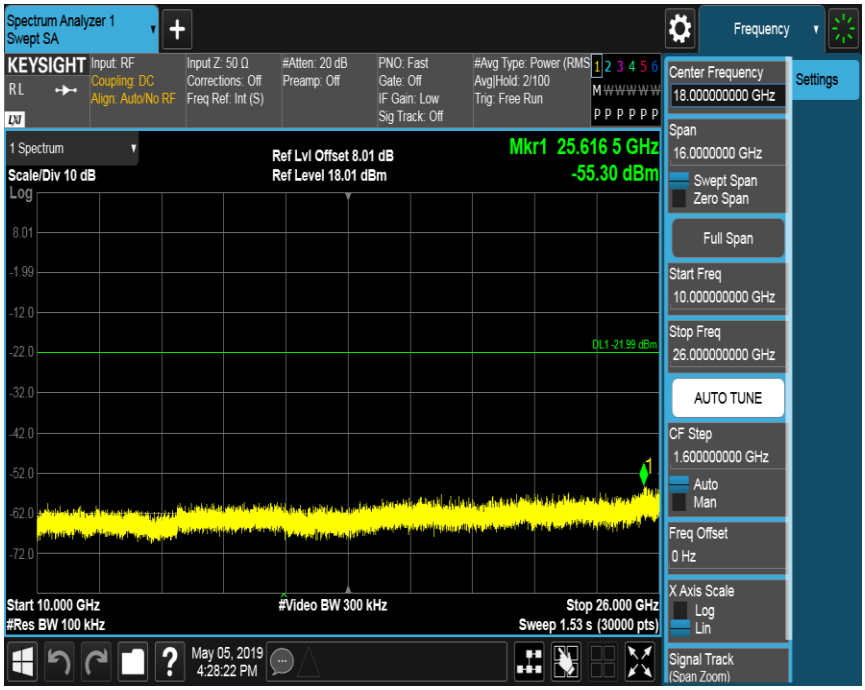
HIGH CH BANDEDGE





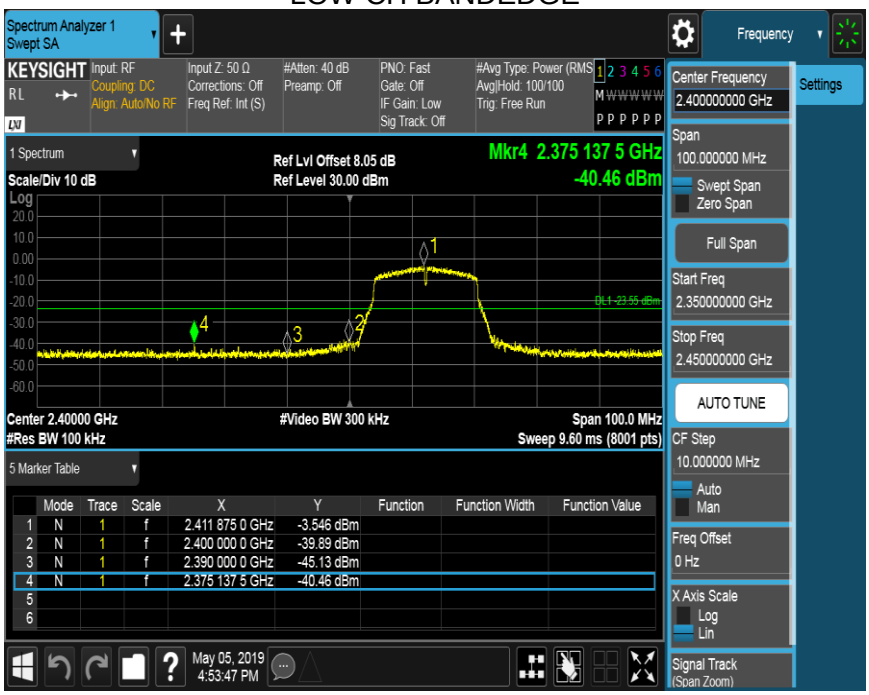
HIGH CH SPURIOUS EMISSIONS 30M-26G





ANTENNA2

LOW CH BANDEDGE



LOW CH SPURIOUS EMISSIONS 30M-26G