

6.3 Test procedure and test setup

The measurement was applied in a semi-anechoic chamber. While testing for spurious emission higher than 1GHz, if applied, the pre-amplifier would be equipped just at the output terminal of the antenna.

The EUT and simulators were placed on a 0.8m high wooden turntable above the horizontal metal ground plane. The turn table rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on an antenna mast. The antenna moved up and down between from 1meter to 4 meters to find out the maximum emission level.

The EUT was tested according to DTS test procedure of KDB558074 D01 DTS “Meas Guidance v03r01” (clause 10.2) for compliance to FCC 47CFR 15.247 requirements.

6.4 Test protocol

Temperature : 18 °C

Relative Humidity : 54 %

Mode 802.11b

CH	Polarization	Frequency	Reading Level	Factor	Measure Level	Limit	Over Limit	Type
		(MHz)	(dBuV)		(dBuV/m)			
L	H	2412.0	86.3	30.6	116.9	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2386.5	28.8	30.7	59.5	74.0	-14.5	PK
	H	2390.0	27.4	30.7	58.1	74.0	-15.9	PK
	H	2386.3	16.6	30.7	47.3	54.0	-6.7	AV
	H	2390.0	15.3	30.7	46.0	54.0	-8.0	AV
	V	2390.0	26.6	30.7	57.3	74.0	-16.7	PK
	V	2390.0	13.2	30.7	43.9	54.0	-10.1	AV
	H	3335.0	36.4	3.1	39.5	54.0	-14.5	PK
	H	4825.0	39.1	6.4	45.5	54.0	-8.5	PK
	V	7236.0	36.8	13.8	50.6	54.0	-3.4	PK
M	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	4876.0	45.8	6.6	52.4	54.0	-1.6	PK
	H	7311.0	34.9	14.0	48.9	54.0	-5.1	PK
H	V	2463.3	81.0	30.6	111.6	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2483.5	27.8	30.7	58.5	74.0	-15.5	PK
	H	2483.5	17.0	30.7	47.7	54.0	-6.3	AV
	V	2483.5	27.6	30.7	58.3	74.0	-15.7	PK
	V	2486.9	29.1	30.7	59.8	74.0	-14.2	PK
	V	2483.5	15.7	30.7	46.4	54.0	-7.6	AV
	V	2487.3	16.0	30.7	46.7	54.0	-7.3	AV
	H	3700.0	38.0	4.0	42.0	54.0	-12.0	PK
	H	4927.0	44.9	6.7	51.6	54.0	-2.4	PK
	H	7239.0	37.8	13.8	51.6	54.0	-2.4	PK



Mode 802.11g

CH	Polarization	Frequency	Reading Level	Factor	Measure Level	Limit	Over Limit	Type
		(MHz)	(dBUV)		(dBUV/m)			
L	H	2417.6	86.3	30.6	116.9	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2388.2	42.3	30.7	73.0	74.0	-1.0	PK
	H	2390.0	40.0	30.7	70.7	74.0	-3.3	PK
	H	2390.0	17.2	30.7	47.9	54.0	-6.1	AV
	V	2390.0	39.0	30.7	69.7	74.0	-4.3	PK
	V	2390.0	15.8	30.7	46.5	54.0	-7.5	AV
	H	3800.0	38.0	4.2	42.2	54.0	-11.8	PK
	H	4825.0	42.1	6.4	48.5	54.0	-5.5	PK
	V	7236.0	36.2	13.8	50.0	54.0	-4.0	PK
M	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	4867.5	44.2	6.6	50.8	54.0	-3.2	PK
	H	7307.0	37.9	14.0	51.9	54.0	-2.1	PK
H	H	2467.6	85.9	30.6	116.5	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2483.5	40.5	30.7	71.2	74.0	-2.8	PK
	H	2483.8	42.4	30.7	73.1	74.0	-0.9	PK
	H	2483.5	18.5	30.7	49.2	54.0	-4.8	AV
	V	2483.5	34.1	30.7	64.8	74.0	-9.2	PK
	V	2484.6	36.8	30.7	67.5	74.0	-6.5	PK
	V	2483.5	15.3	30.7	46.0	54.0	-8.0	AV
	H	3280.0	36.8	3.3	40.1	54.0	-13.9	PK
	H	4924.0	39.1	6.7	45.8	54.0	-8.2	PK
H	7386.0	34.8	14.1	48.9	54.0	-5.1	PK	



Mode 802.11n20

CH	Polarization	Frequency	Reading Level	Factor	Measure Level	Limit	Over Limit	Type
		(MHz)	(dBUV)		(dBUV/m)			
L	H	2418.8	85.5	30.6	116.1	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2390.0	41.6	30.7	72.3	74.0	-1.7	PK
	H	2390.0	19.6	30.7	50.3	54.0	-3.7	AV
	V	2390.0	35.0	30.7	65.7	74.0	-8.3	PK
	V	2390.0	16.1	30.7	46.8	54.0	-7.2	AV
	H	3850.0	38.4	4.3	42.7	54.0	-11.3	PK
	H	4816.5	40.2	6.4	46.6	54.0	-7.4	PK
	V	7236.0	36.4	13.8	50.2	54.0	-3.8	PK
M	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	4867.5	44.3	6.6	50.9	54.0	-3.1	PK
	H	7315.5	37.5	14.0	51.5	54.0	-2.5	PK
H	H	2468.2	84.9	30.6	115.5	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2483.5	40.0	30.7	70.7	74.0	-3.3	PK
	H	2483.8	42.4	30.7	73.1	74.0	-0.9	PK
	H	2483.5	20.3	30.7	51.0	54.0	-3.0	AV
	V	2483.5	38.8	30.7	69.5	74.0	-4.5	PK
	V	2484.4	39.5	30.7	70.2	74.0	-3.8	PK
	V	2483.5	16.5	30.7	47.2	54.0	-6.8	AV
	H	3283.0	36.4	3.3	39.7	54.0	-14.3	PK
	H	4918.5	40.5	6.7	47.2	54.0	-6.8	PK
	H	7386.0	35.3	14.1	49.4	54.0	-4.6	PK



Mode 802.11n40

CH	Polarization	Frequency	Reading Level	Factor	Measure Level	Limit	Over Limit	Type
		(MHz)	(dBUV)		(dBUV/m)			
L	H	2437.0	81.9	30.6	112.5	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2388.3	42.8	30.7	73.5	74.0	-0.5	PK
	H	2390.0	42.1	30.7	72.8	74.0	-1.2	PK
	H	2390.0	22.0	30.7	52.7	54.0	-1.3	AV
	V	2390.0	37.0	30.7	67.7	74.0	-6.3	PK
	V	2390.0	18.5	30.7	49.2	54.0	-4.8	AV
	H	3323.0	35.7	3.1	38.8	54.0	-15.2	PK
	H	4844.0	38.4	6.5	44.9	54.0	-9.1	PK
	V	7266.0	35.4	13.9	49.3	54.0	-4.7	PK
M	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	4876.0	44.8	6.6	51.4	54.0	-2.6	PK
	H	7311.0	36.0	14.0	50.0	54.0	-4.0	PK
H	H	2437.3	78.8	30.6	109.4	Fundamental	/	PK
	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	2483.5	40.8	30.7	71.5	74.0	-2.5	PK
	H	2484.2	42.8	30.7	73.5	74.0	-0.5	PK
	H	2483.5	19.4	30.7	50.1	54.0	-3.9	AV
	V	2483.5	34.9	30.7	65.6	74.0	-8.4	PK
	V	2483.5	16.0	30.7	46.7	54.0	-7.3	AV
	H	3250.0	35.7	3.4	39.1	54.0	-14.9	PK
	H	4904.0	37.0	6.7	43.7	54.0	-10.3	PK
	H	7356.0	35.0	14.0	49.0	54.0	-5.0	PK



Mode 802.11a

CH	Polarization	Frequency	Reading Level	Factor	Measure Level	Limit	Over Limit	Type
		(MHz)	(dBuV)		(dBuV/m)			
L	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7385.0	34.8	14.1	48.9	54.0	-5.1	PK
	H	7725.0	35.0	14.5	49.5	54.0	-4.5	PK
	V	8526.0	35.0	14.6	49.6	54.0	-4.4	PK
M	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7265.0	34.7	13.9	48.6	54.0	-5.4	PK
	H	9230.0	36.0	15.4	51.4	54.0	-2.6	PK
H	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7381.0	35.2	14.1	49.3	54.0	-4.7	PK
	H	8251.0	34.6	14.4	49.0	54.0	-5.0	PK
	H	9265.0	36.7	15.4	52.1	54.0	-1.9	PK



Mode 802.11n20

Frequency	Polarization	Frequency	Reading Level	Factor	Measure Level	Limit	Over Limit	Type
		(MHz)	(dBuV)		(dBuV/m)	(dBuV/m)	(dB)	
L	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7162.5	36.6	13.6	50.2	54.0	-3.8	PK
	H	7825.0	34.7	15.1	49.8	54.0	-4.2	PK
	V	9156.0	36.4	15.3	51.7	54.0	-2.3	PK
M	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7361.0	35.4	14.0	49.4	54.0	-4.6	PK
	H	9276.0	36.3	15.4	51.7	54.0	-2.3	PK
H	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7138.0	35.6	13.5	49.1	54.0	-4.9	PK
	H	7837.0	34.6	15.1	49.7	54.0	-4.3	PK
	H	9168.5	36.2	15.3	51.5	54.0	-2.5	PK



Mode 802.11n40

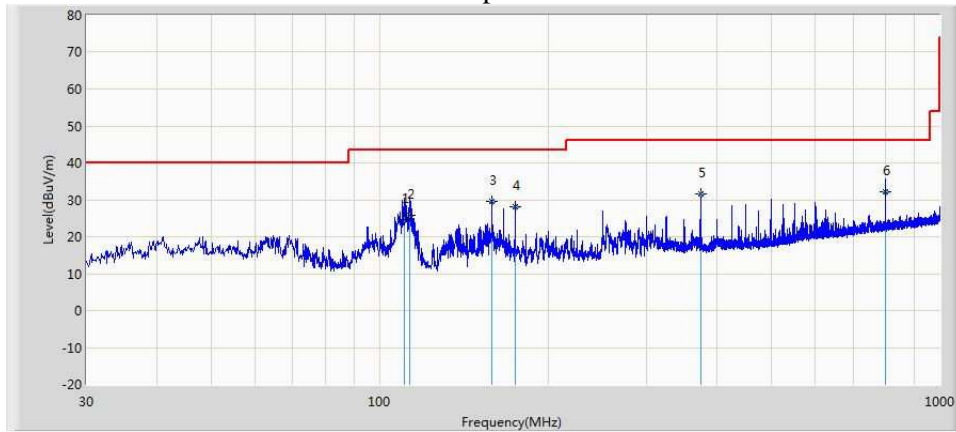
Frequency	Polarization	Frequency	Reading Level	Factor	Measure Level	Limit	Over Limit	Type
		(MHz)	(dBuV)		(dBuV/m)	(dBuV/m)	(dB)	
L	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7318.0	35.4	14.0	49.4	54.0	-4.6	PK
	H	8531.0	35.1	14.6	49.7	54.0	-4.3	PK
	V	9217.0	36.4	15.2	51.6	54.0	-2.4	PK
H	V	30.0	16.6	11.9	28.5	40.0	-11.5	QP
	V	65.0	17.4	12.3	29.7	40.0	-10.3	QP
	H	111.6	4.7	12.4	17.1	43.5	-26.4	QP
	H	7384.0	35.1	14.1	49.2	54.0	-4.8	PK
	H	8251.0	36.0	14.4	50.4	54.0	-3.6	PK
	H	9268.0	36.6	15.4	52.0	54.0	-2.0	PK

- Remark: 1. For fundamental & restrict emission at 5000-5150MHz and 5350-5460MHz test, no amplifier is employed.
 2. Factor = Antenna Factor + Cable Loss (-Amplifier, is employed)
 3. Measure level = Original Receiver Reading Level+ Correct Factor
 4. Over Limit = Measure level - limit
 5. If the PK reading is lower than AV limit, the AV test can be elided.

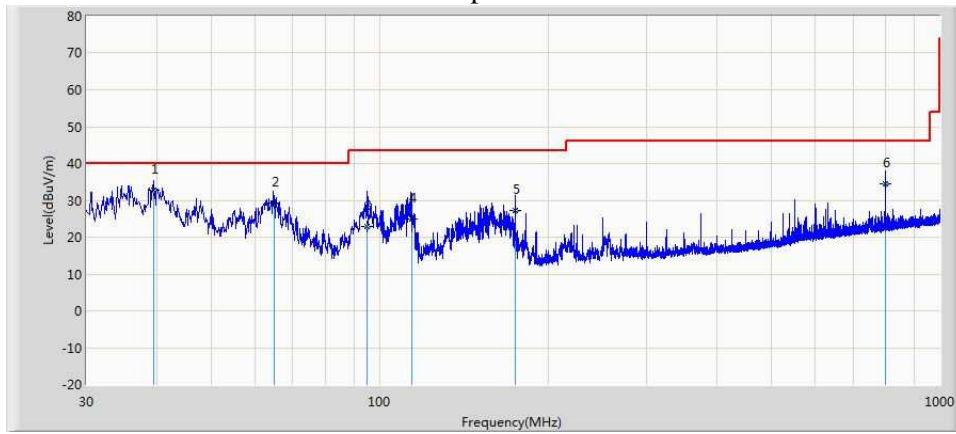
Example: Assuming Antenna Factor = 30.20dB/m, Cable Loss = 2.00dB,
 Gain of Preamplifier = 32.00dB, Original Receiver Reading level = 10dBuV.
 Then Factor = 30.20 + 2.00 – 32.00 = 0.20dB/m; Measure level = 10dBuV +
 0.20dB/m = 10.20dBuV/m
 Assuming limit = 54dBuV/m, Measure level = 10.20dBuV/m, then Over Limit =
 10.20 - 54= -43.80dBuV/m

Test graph (Worst case):

Horizontal polarization



Vertical polarizaion



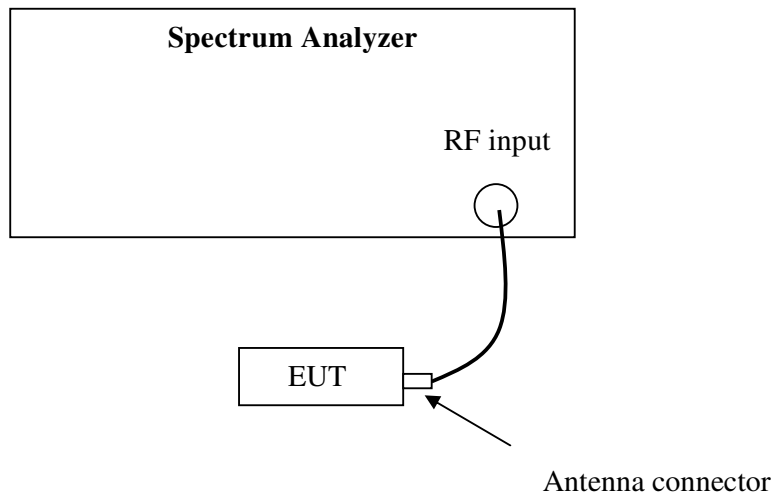
7. Emission outside the frequency Band

Test result: PASS

7.1 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

7.2 Test Configuration



7.3 Test procedure and test setup

The Emission outside the frequency Band per FCC §15.247(d) is measured using the Spectrum Analyzer with the resolutions bandwidth set at 100kHz, the video bandwidth set at 300kHz, and the SPAN>>RBW.

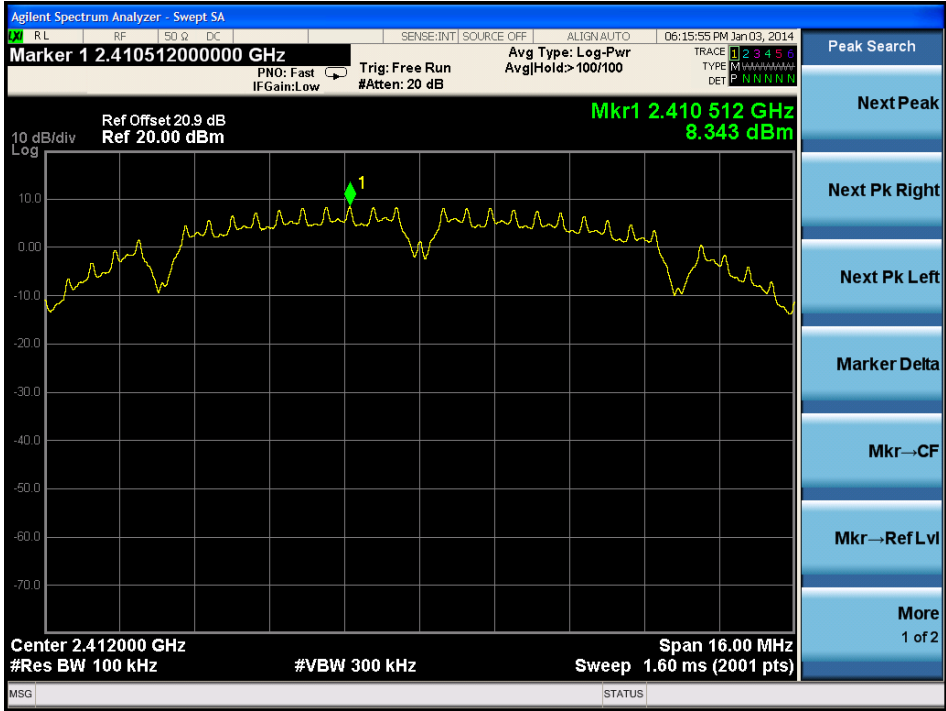
The EUT was tested according to DTS test procedure of “KDB558074 D01 DTS Meas Guidance v03r01” (clause 11.0) for compliance to FCC 47CFR 15.247 requirements.



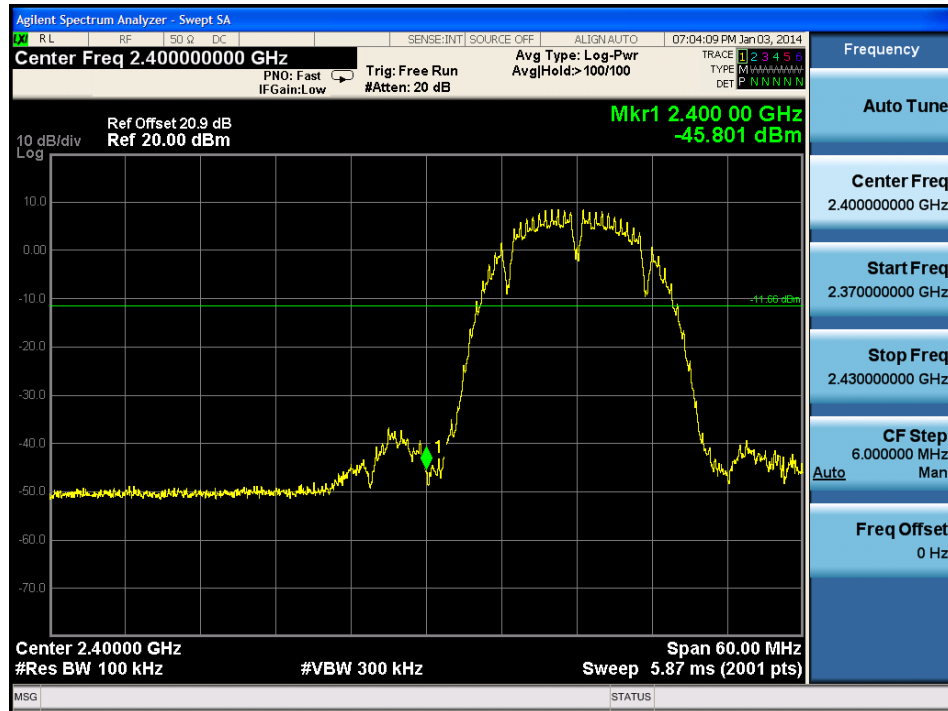
7.4 Test protocol

802.11b Out-of-Band Emissions – Chain 0 / Chain 0 + 1

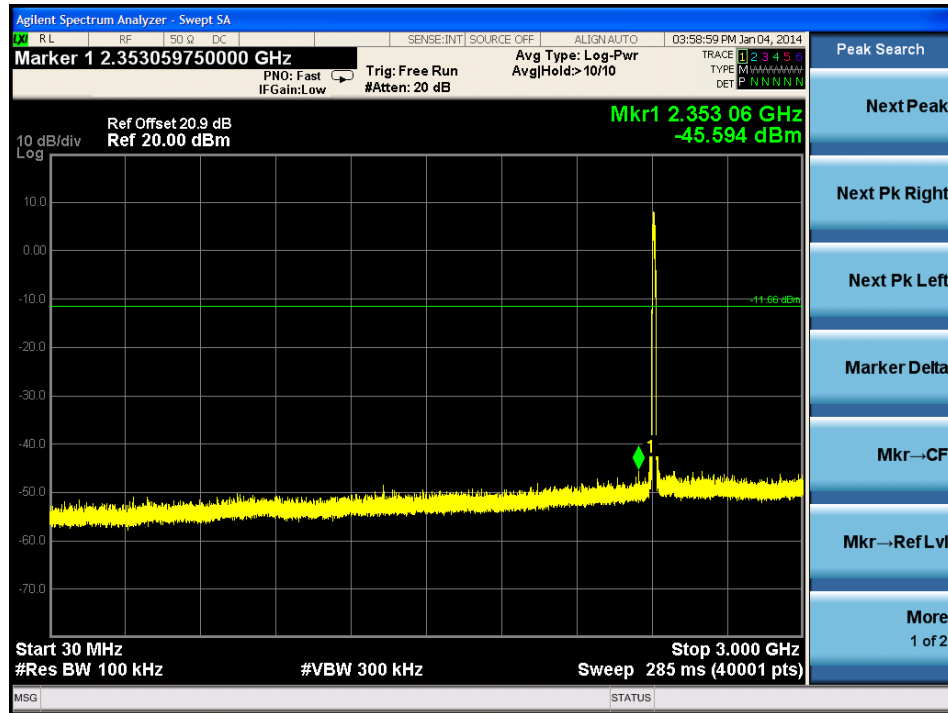
Reference Level – Frequency L



Low Band Edge - Frequency L

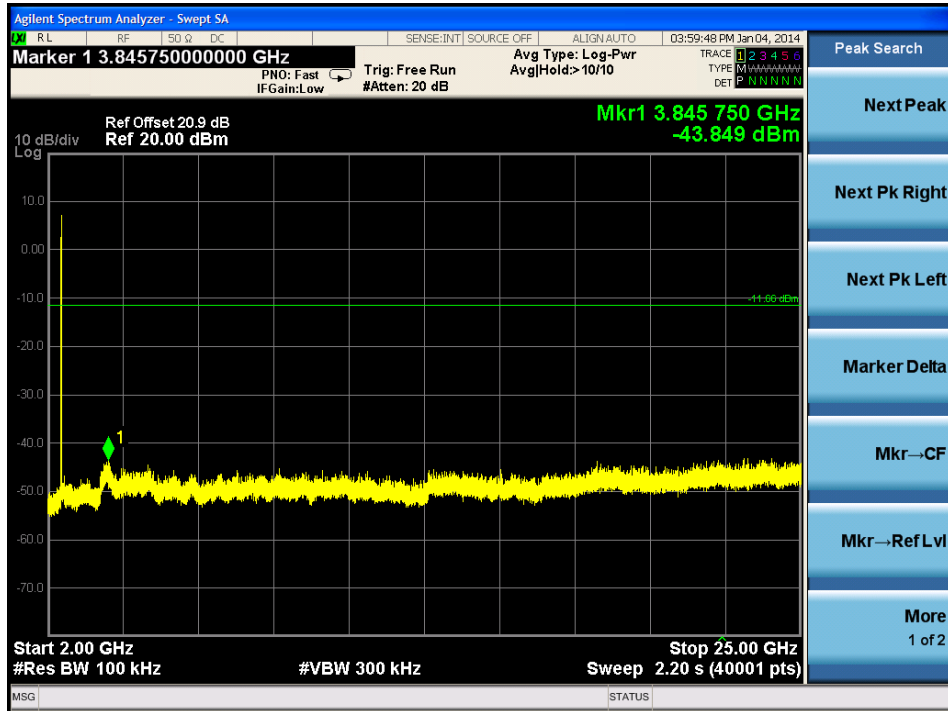


Spurious Emission 30MHz ~ 3GHz - Frequency L

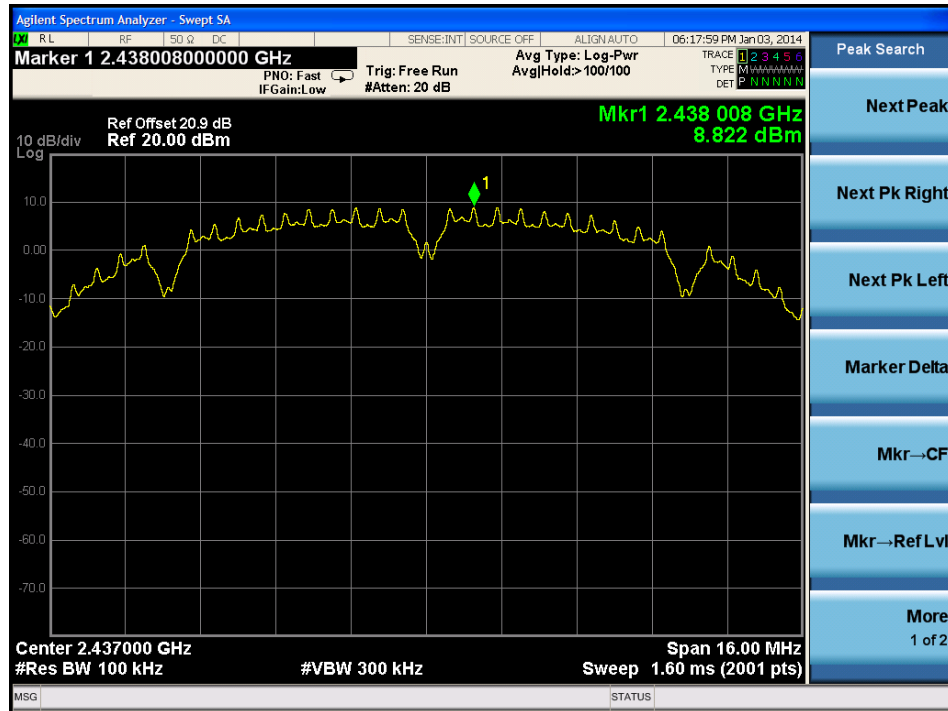




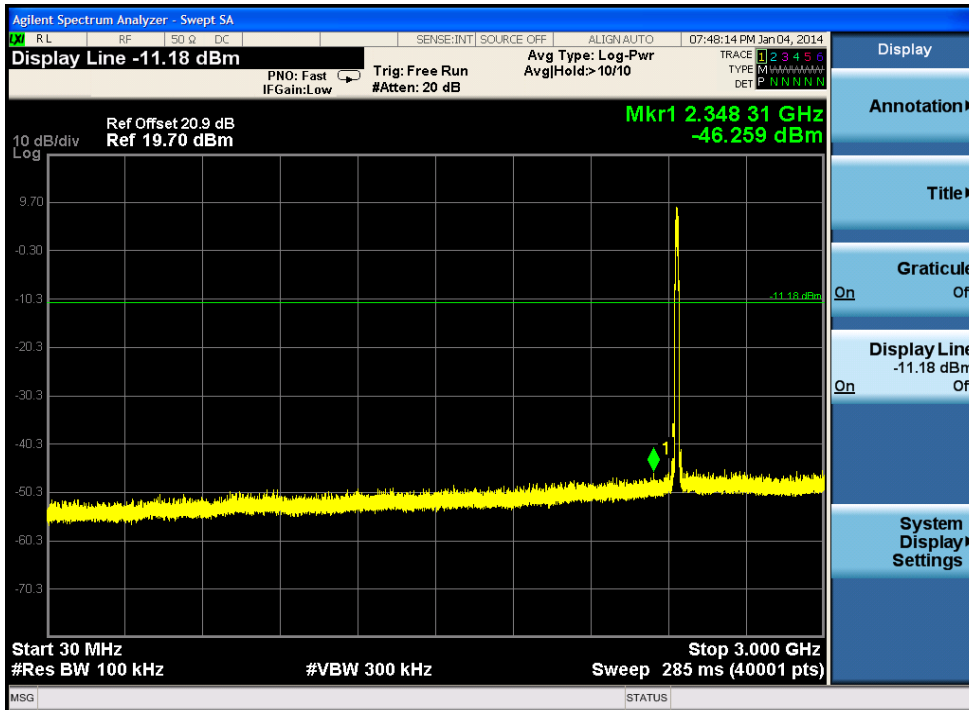
Spurious Emission 1GHz ~ 25GHz - Frequency L



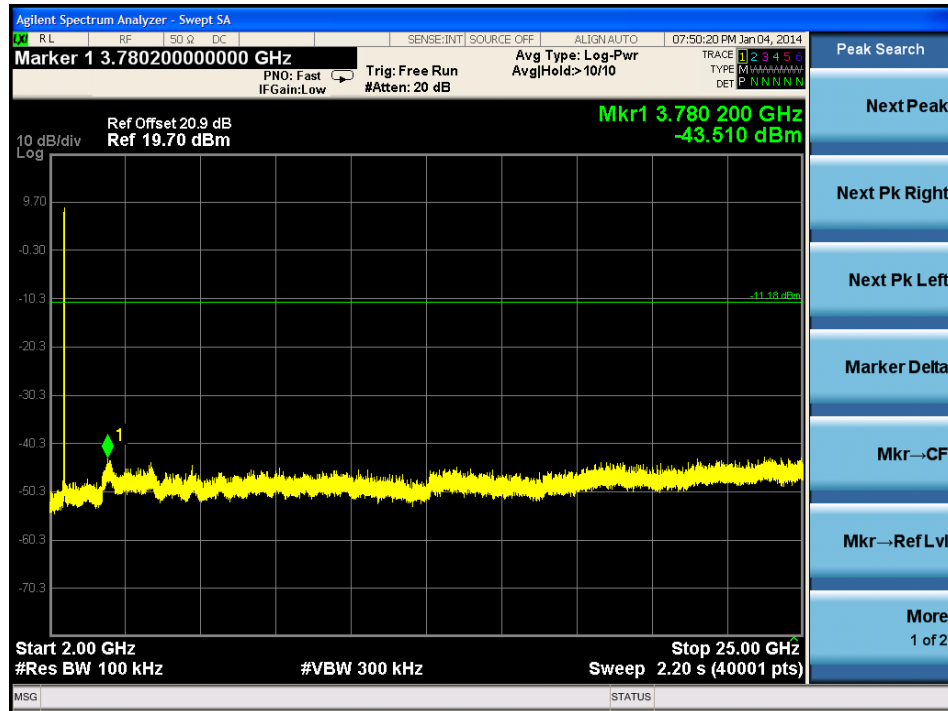
Reference Level - Frequency M



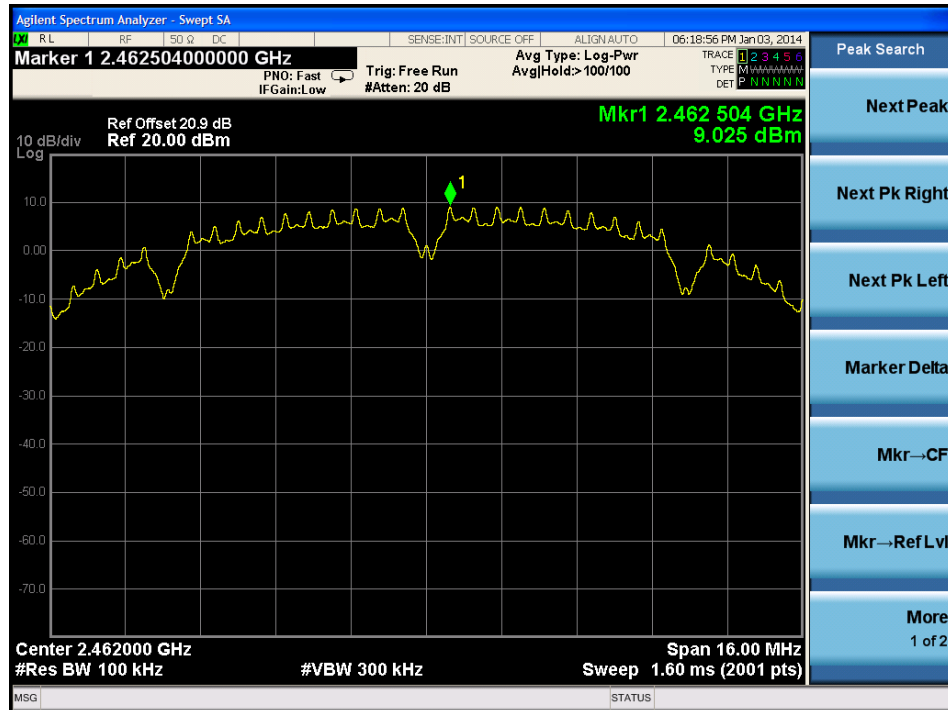
Spurious Emission 30MHz ~ 3GHz - Frequency M



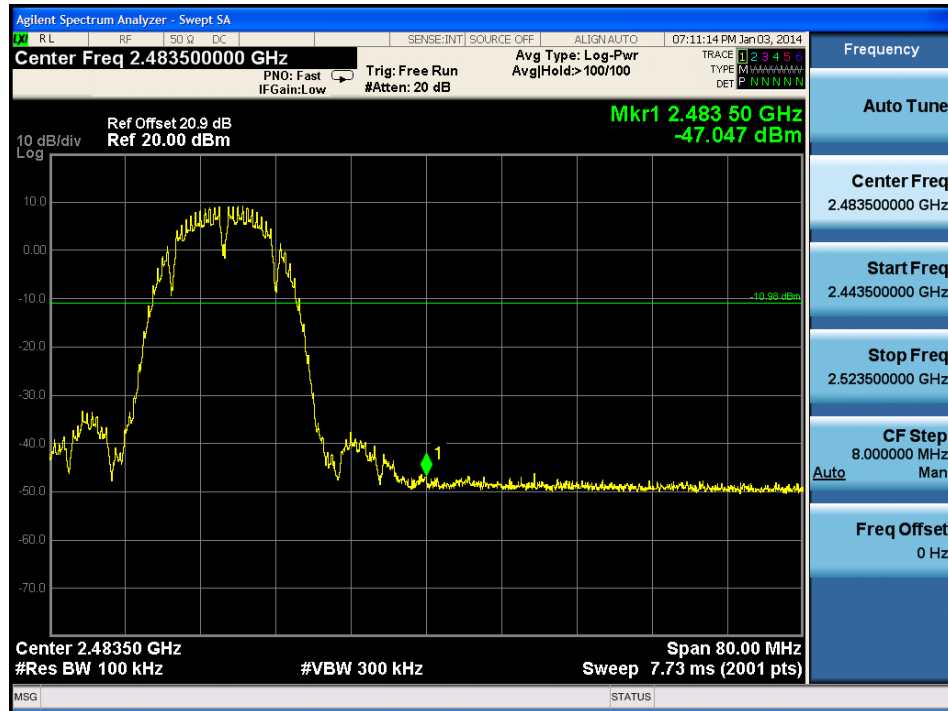
Spurious Emission 2GHz ~ 25GHz - Frequency M



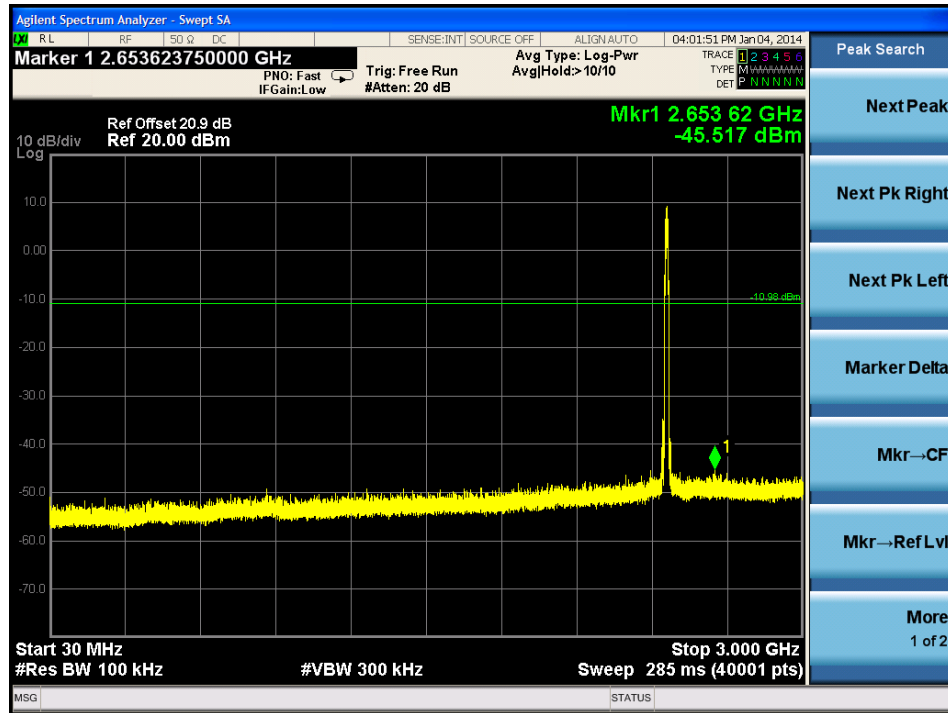
Reference Level - Frequency H



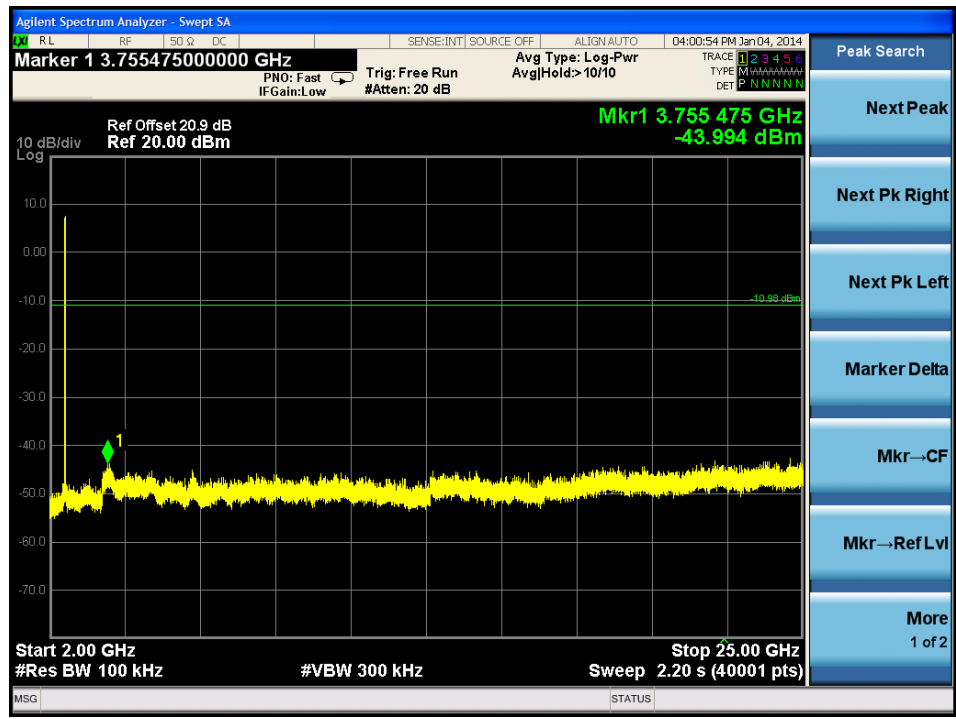
High Band Edge - Frequency H



Spurious Emission 30MHz ~ 3GHz - Frequency H

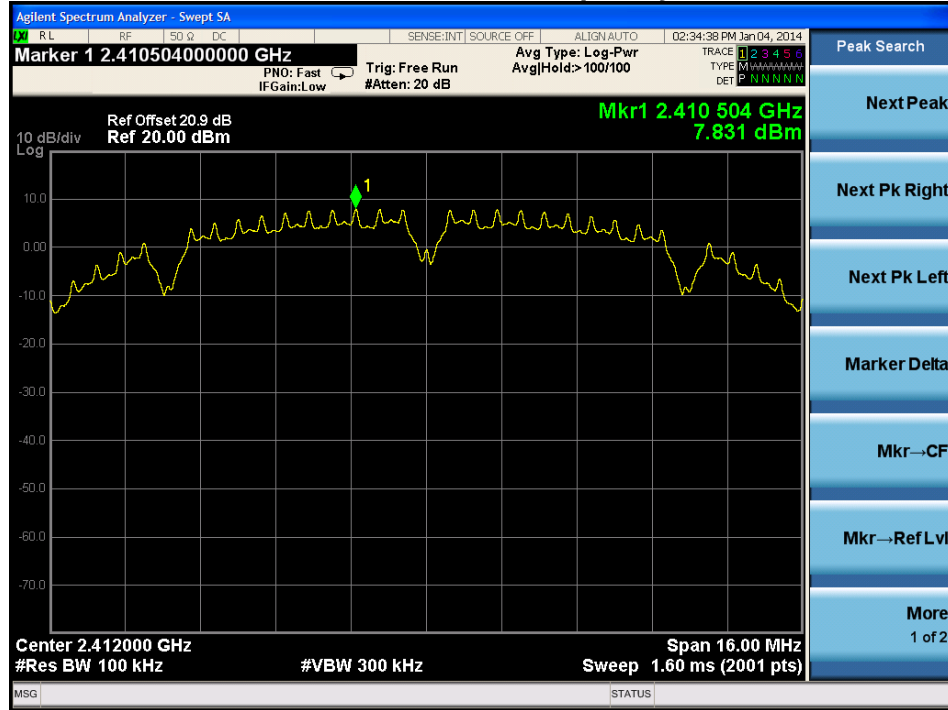


Spurious Emission 2GHz ~ 25GHz - Frequency H

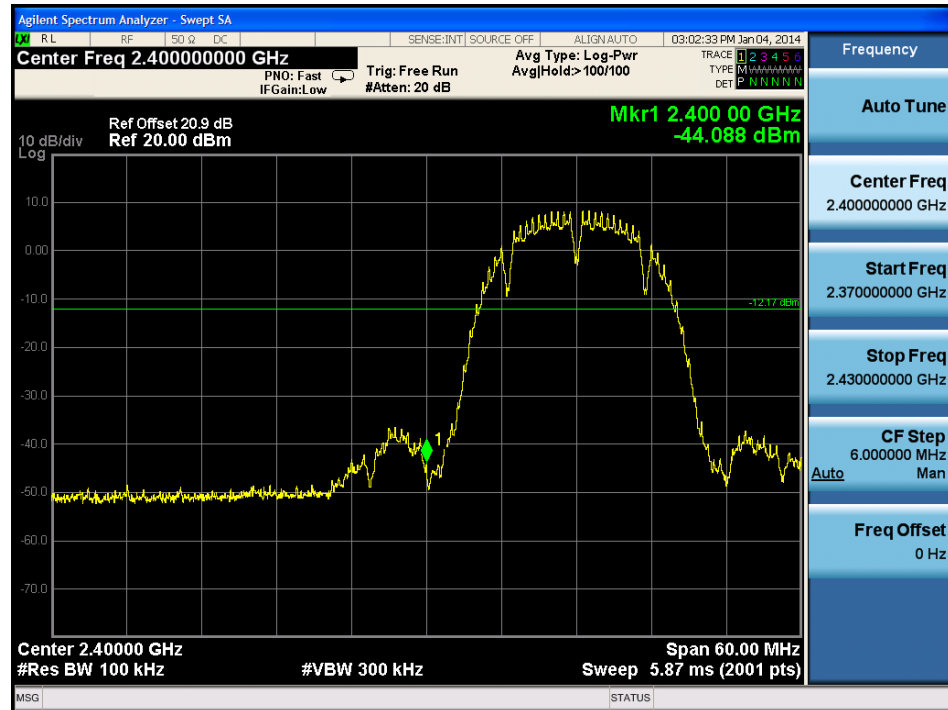


802.11b Out-of-Band Emissions – Chain 1 / Chain 0 + 1

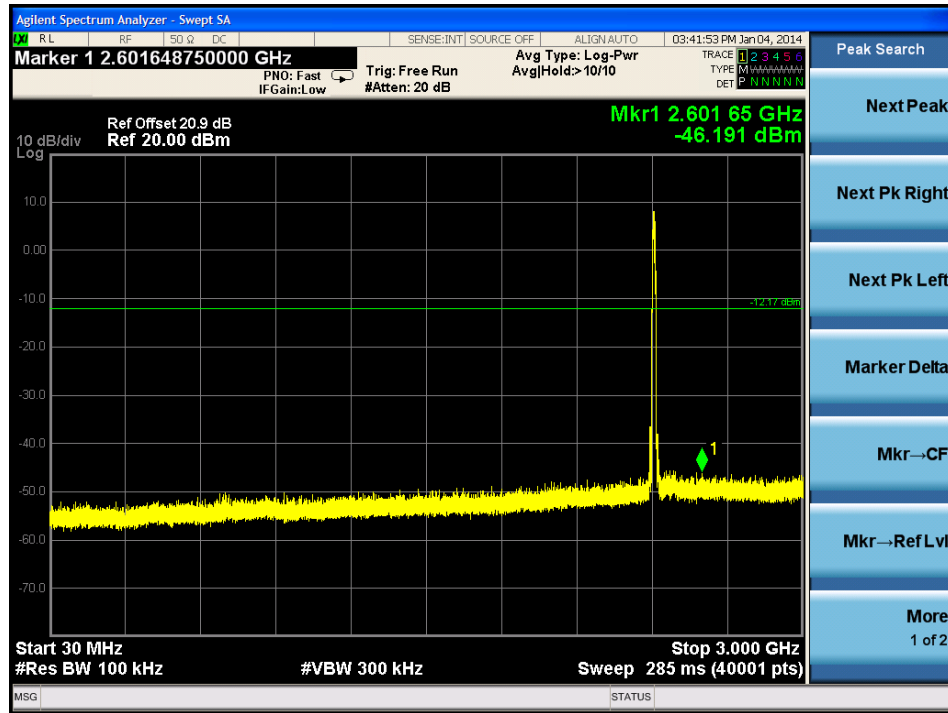
Reference Level - Frequency L



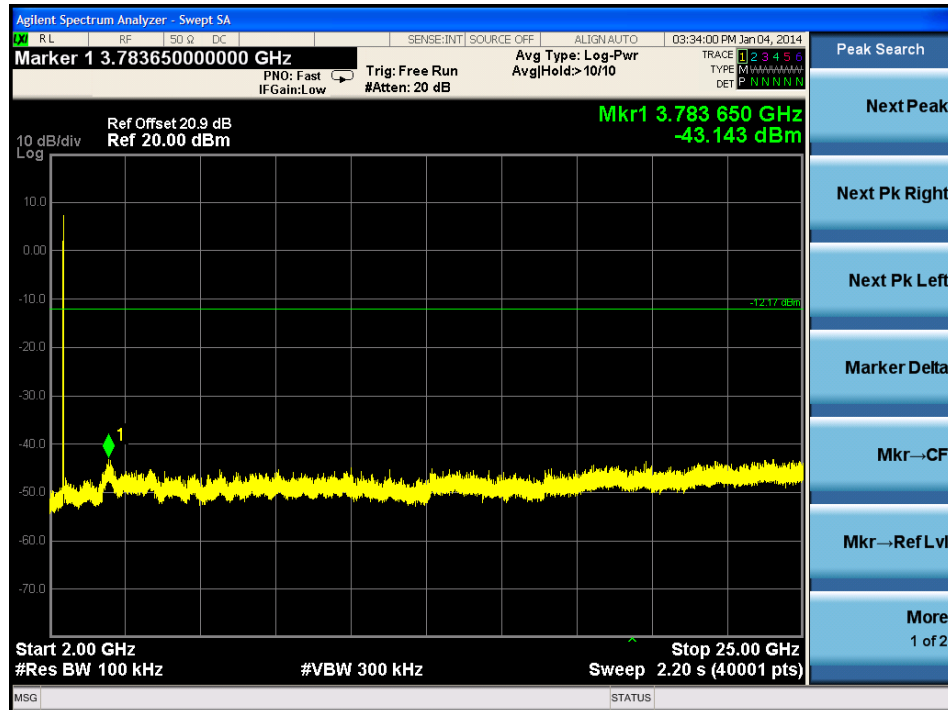
Low Band Edge - Frequency L



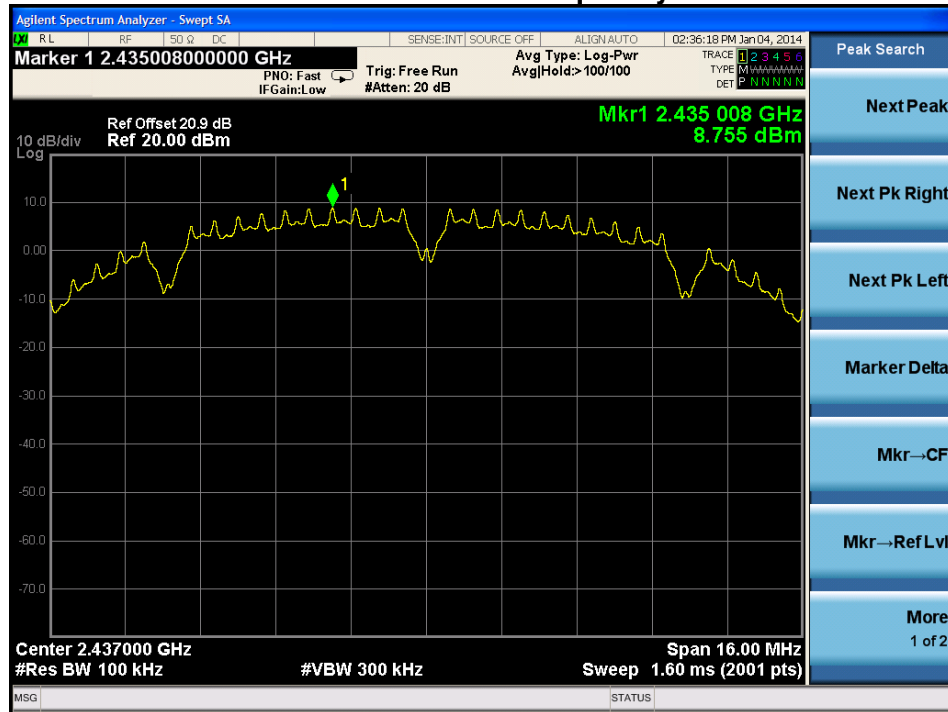
Spurious Emission 30MHz ~ 3GHz - Frequency L



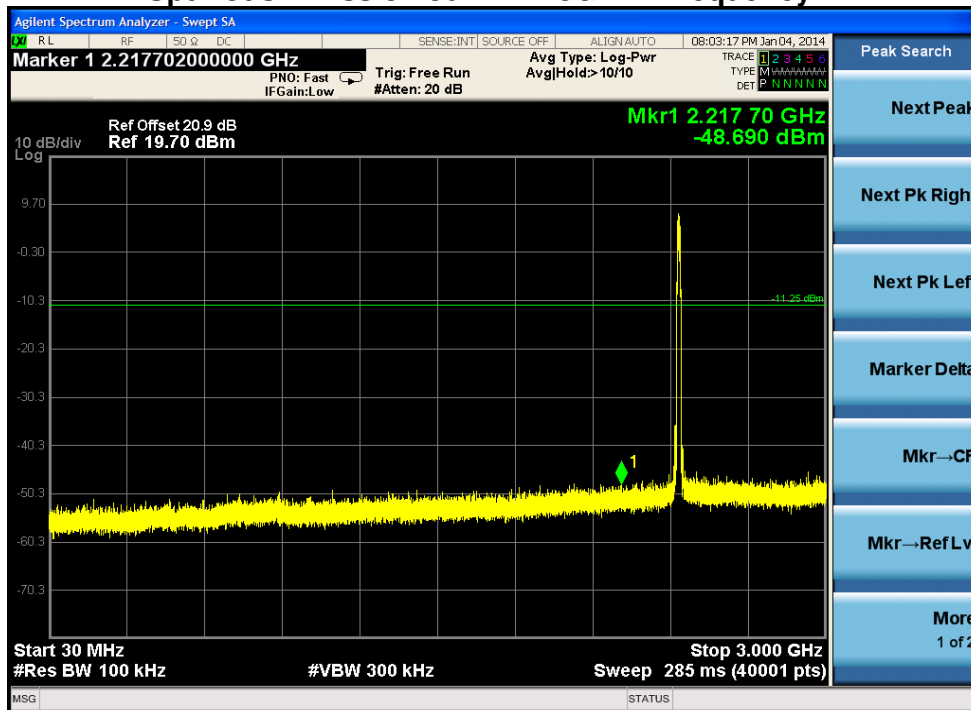
Spurious Emission 2GHz ~ 25GHz - Frequency L



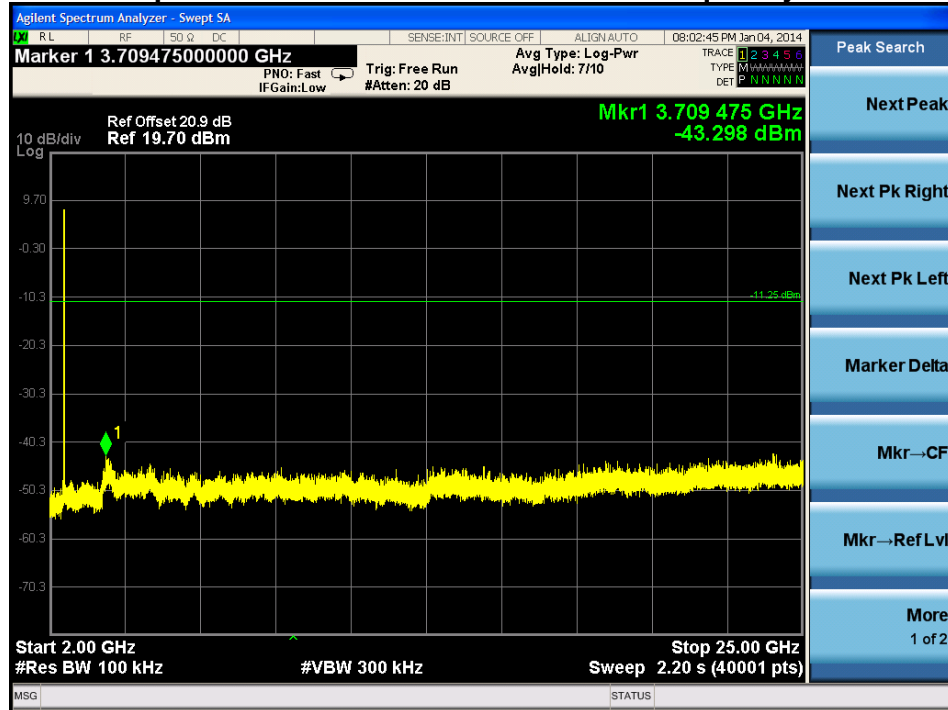
Reference Level - Frequency M



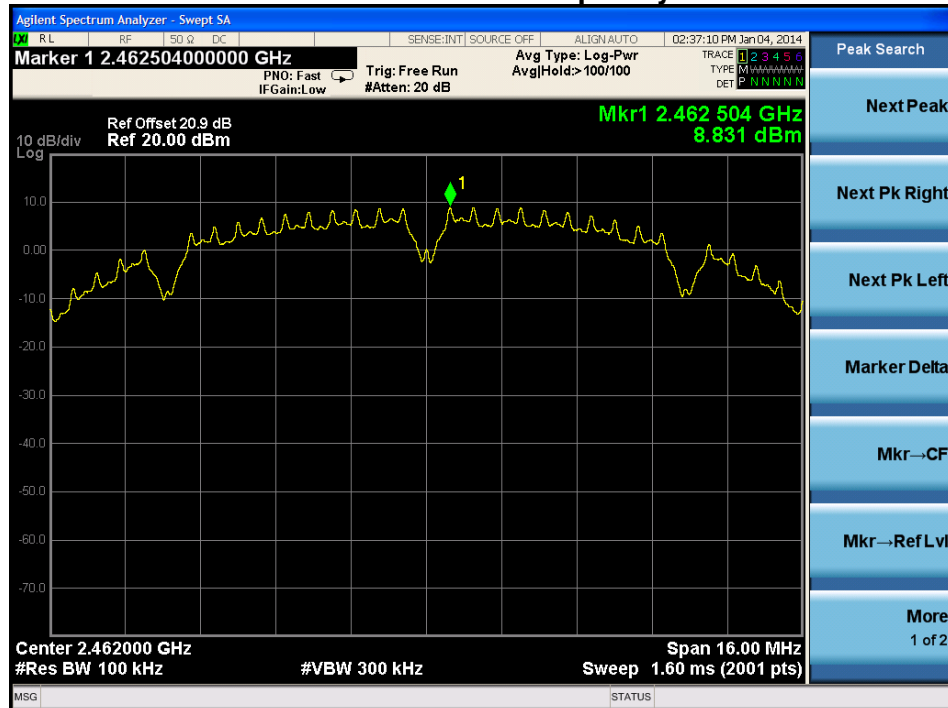
Spurious Emission 30MHz ~ 3GHz - Frequency M



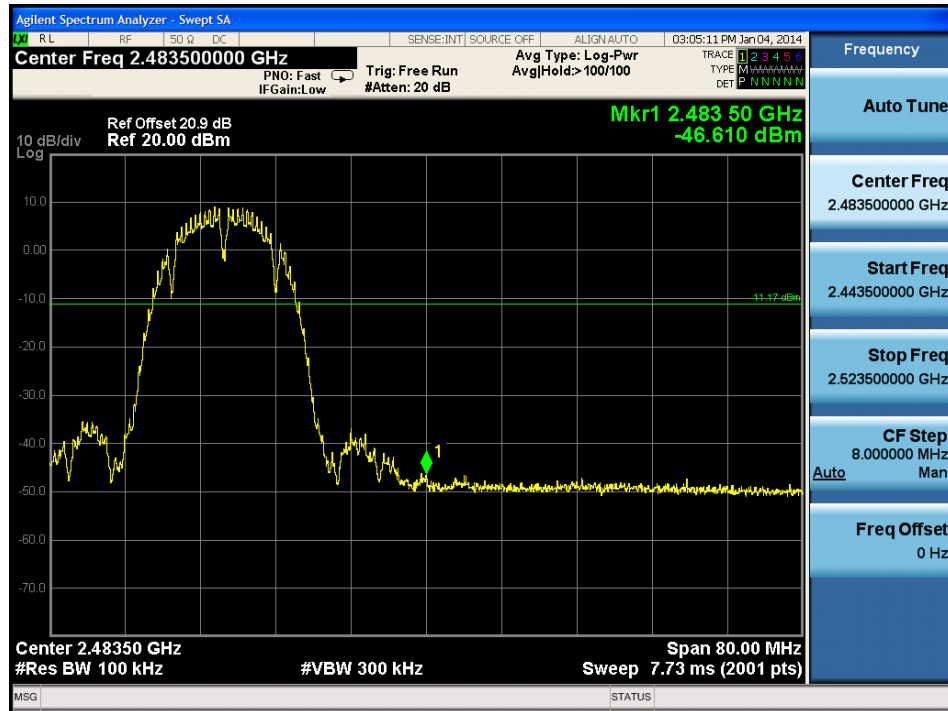
Spurious Emission 3GHz ~ 25GHz - Frequency M



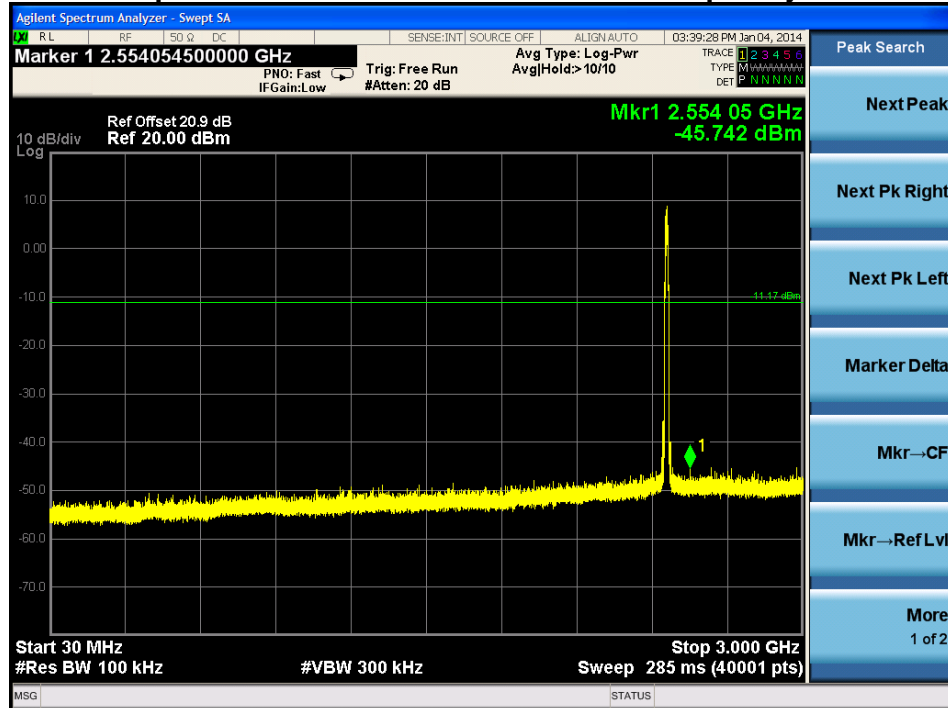
Reference Level - Frequency H



High Band Edge – Frequency H

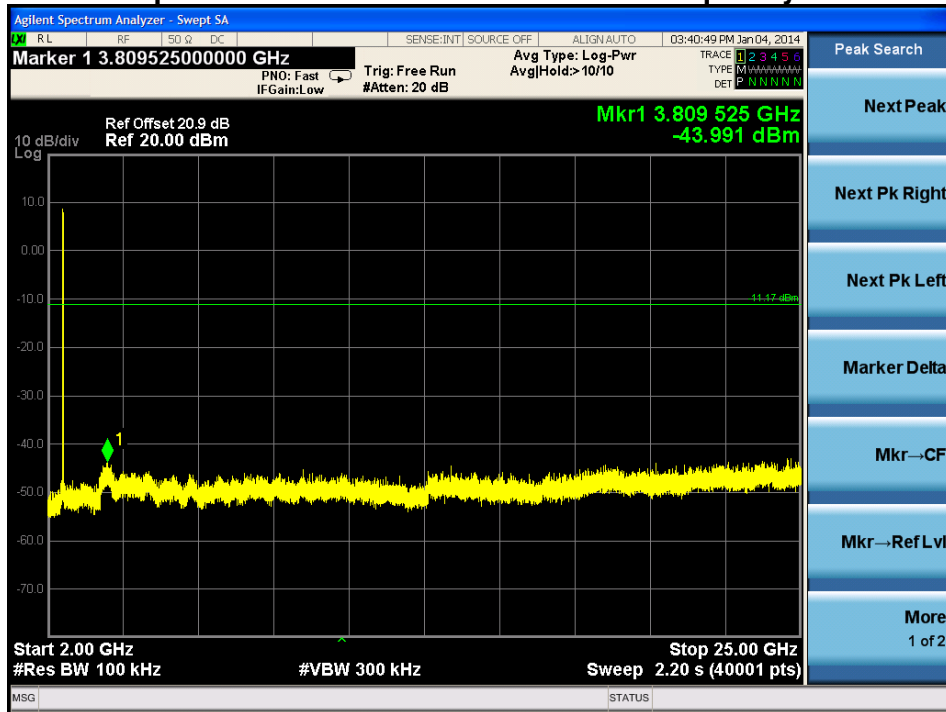


Spurious Emission 30MHz ~ 3GHz - Frequency H



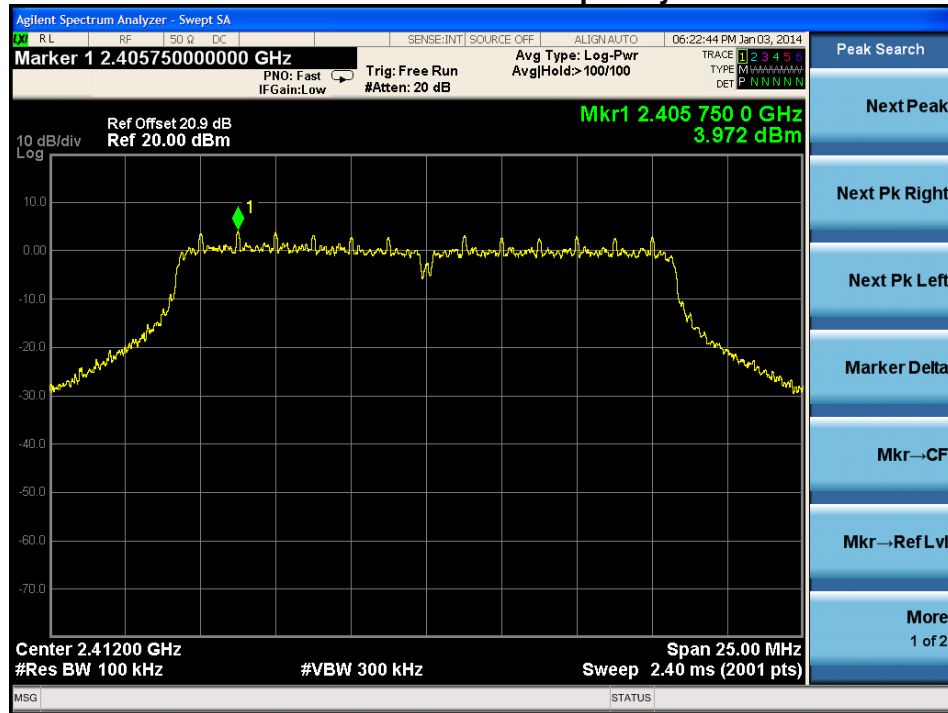


Spurious Emission 3GHz ~ 25GHz - Frequency H

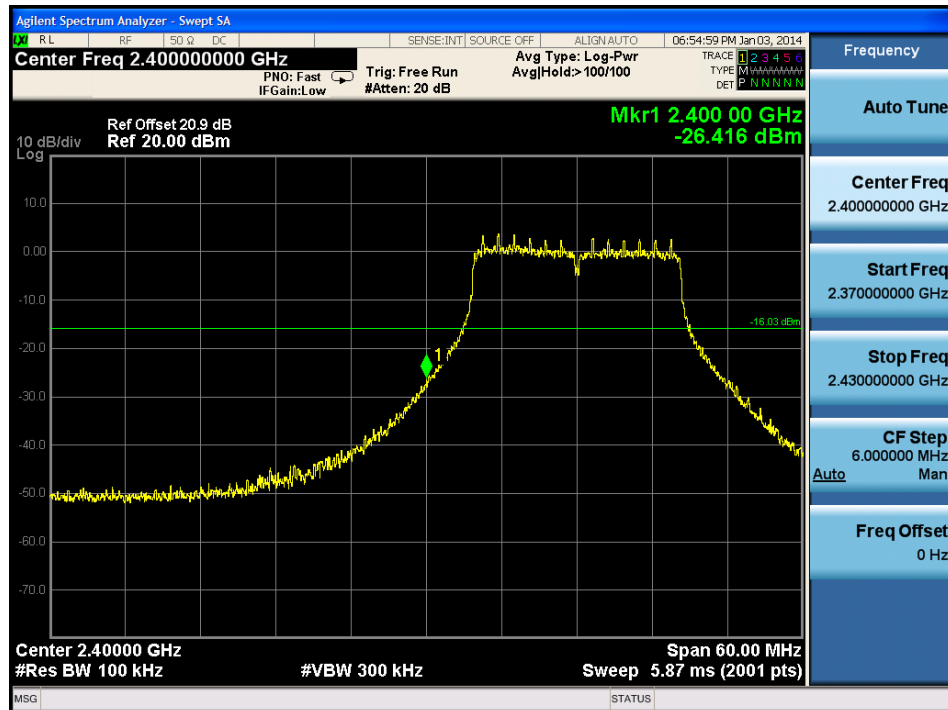


802.11g Out-of-Band Emissions – Chain 0 / Chain 0 + 1

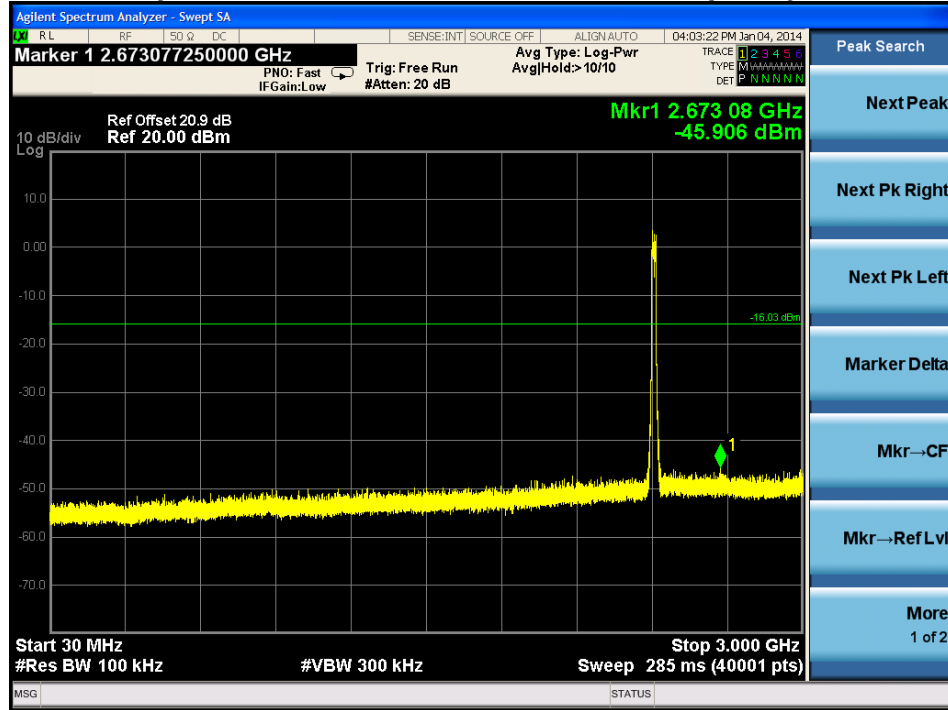
Reference Level - Frequency L



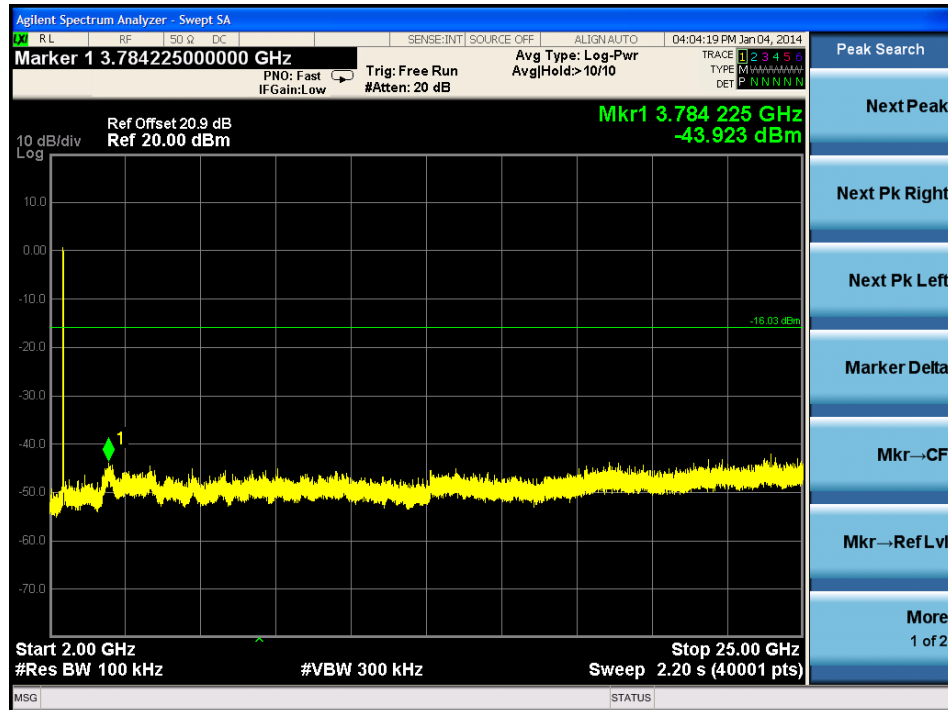
Low Band Edge – Frequency L



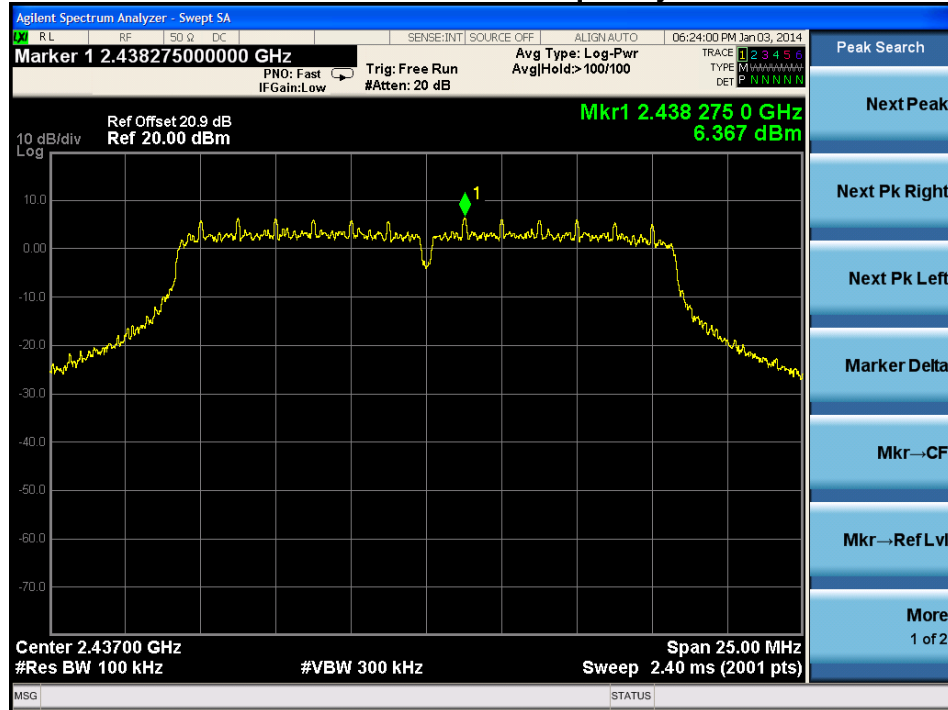
Spurious Emission 30MHz ~ 3GHz - Frequency L



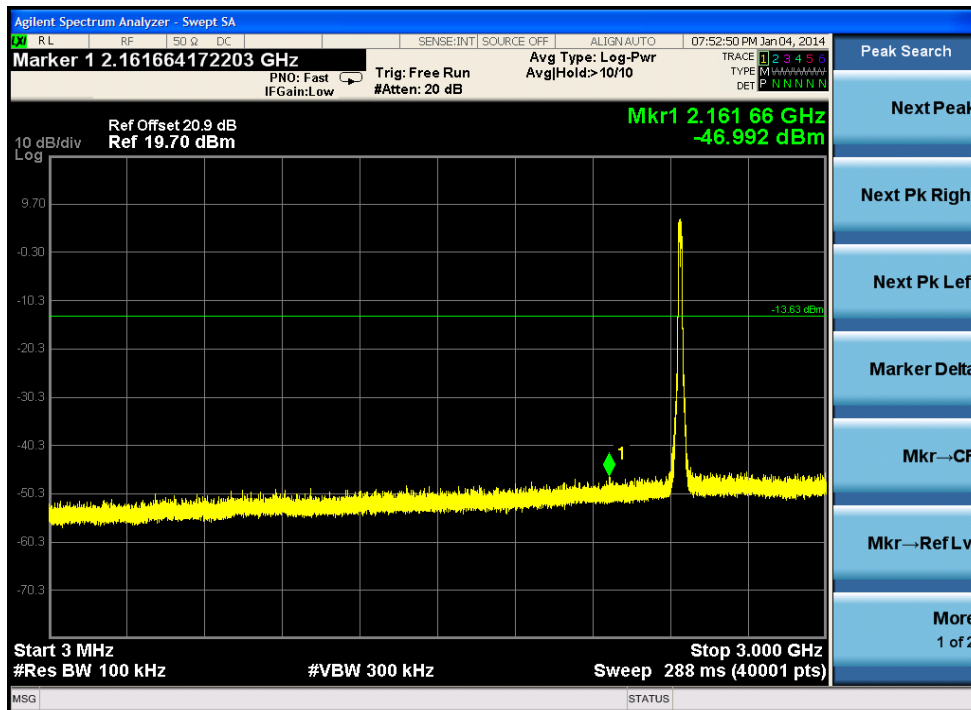
Spurious Emission 3GHz ~ 25GHz - Frequency L



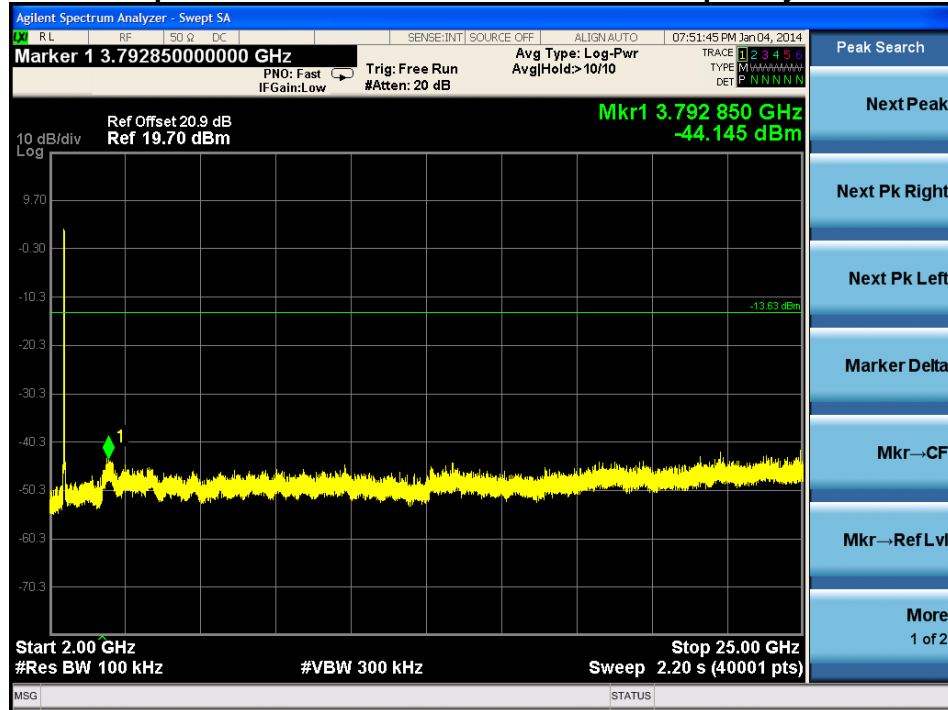
Reference Level - Frequency M



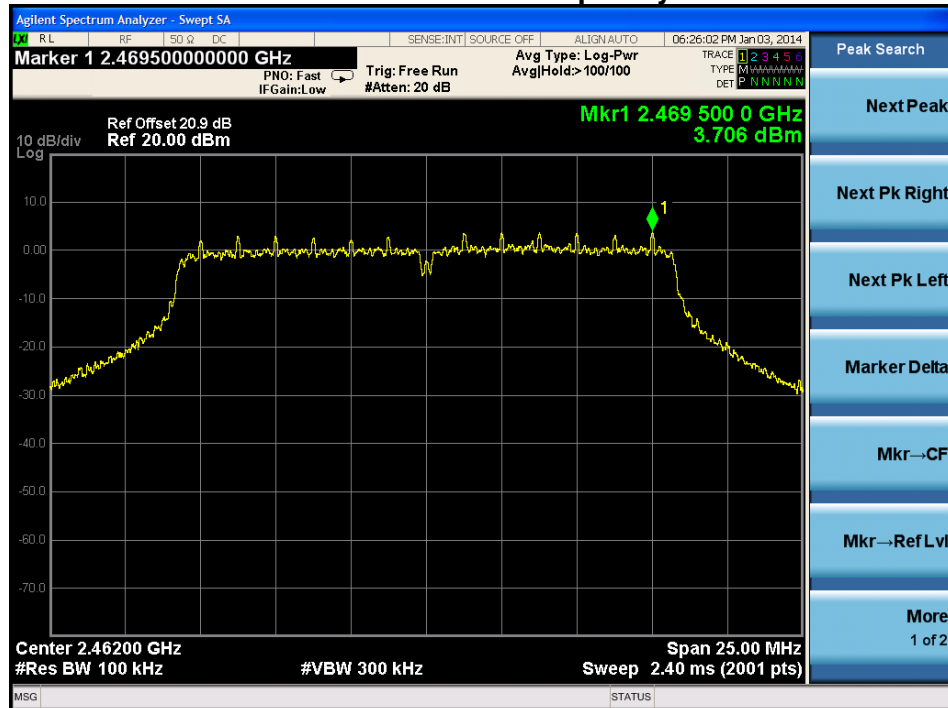
Spurious Emission 30MHz ~ 3GHz - Frequency M



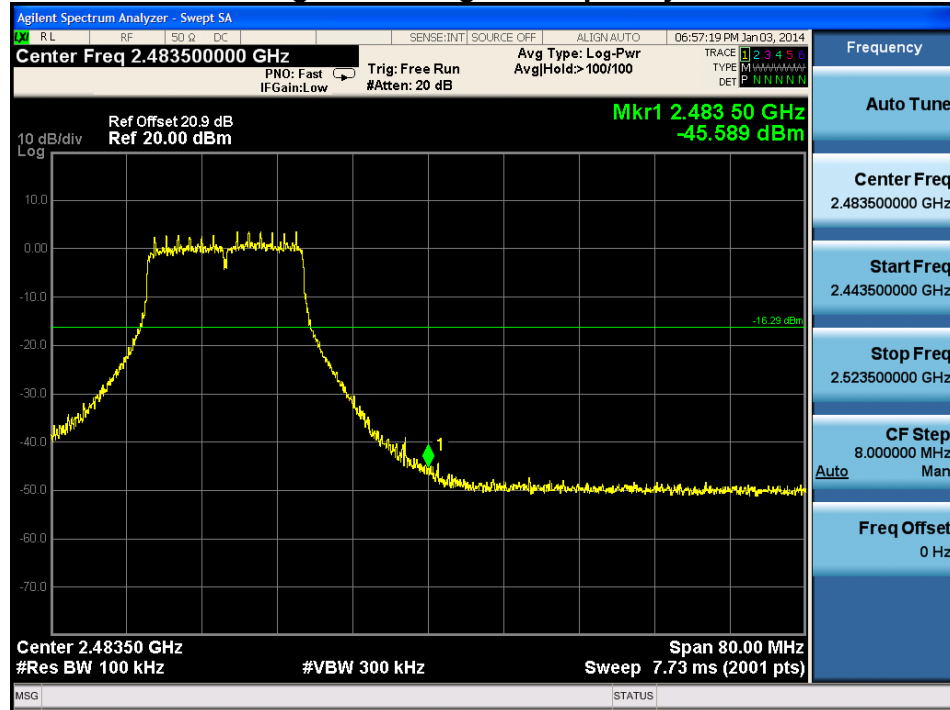
Spurious Emission 3GHz ~ 25GHz - Frequency M



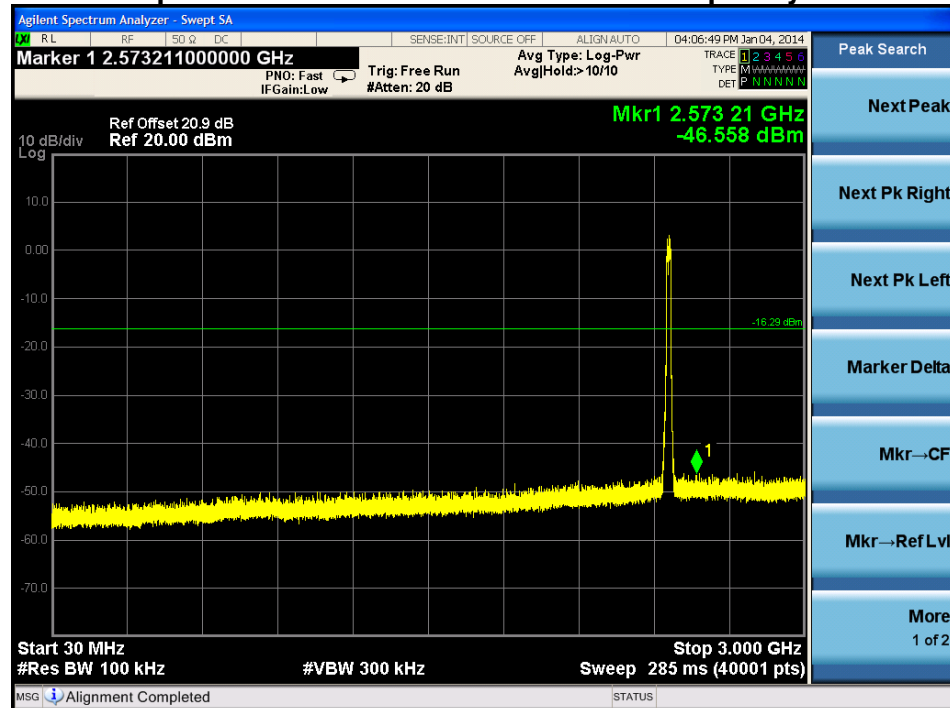
Reference Level - Frequency H



High Band Edge – Frequency H

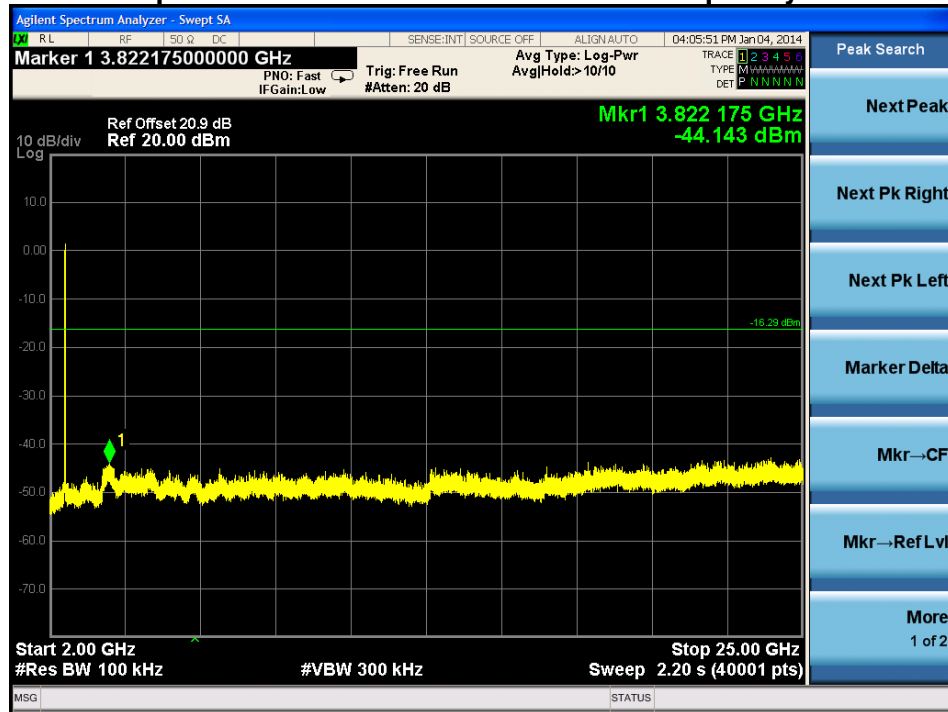


Spurious Emission 30MHz ~ 3GHz - Frequency H



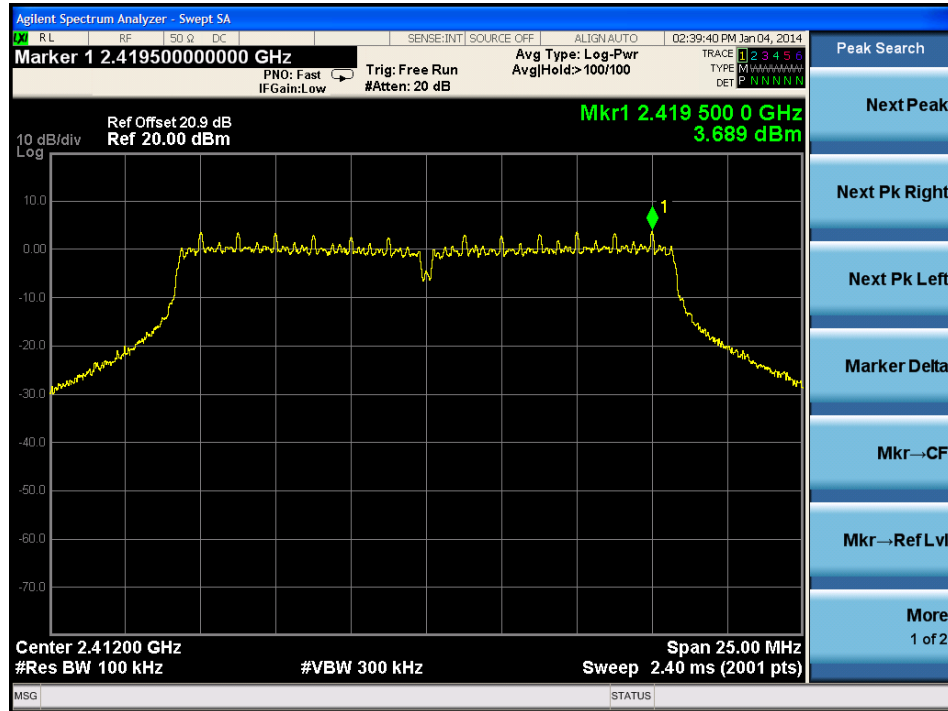


Spurious Emission 3GHz ~ 25GHz - Frequency H

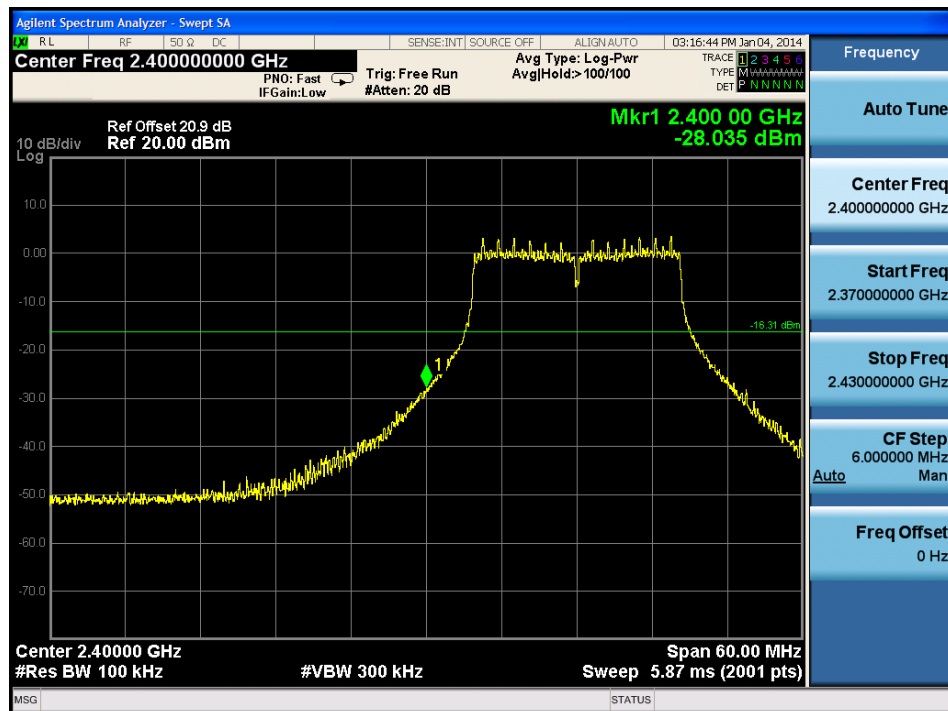


802.11g Out-of-Band Emissions – Chain 1 / Chain 0 + 1

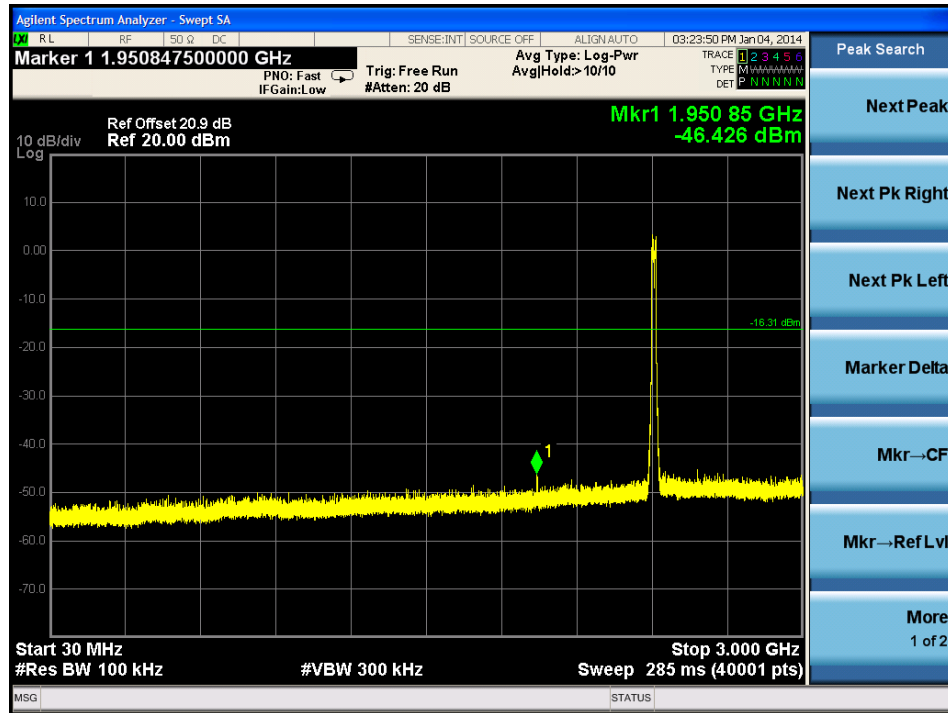
Reference Level - Frequency L



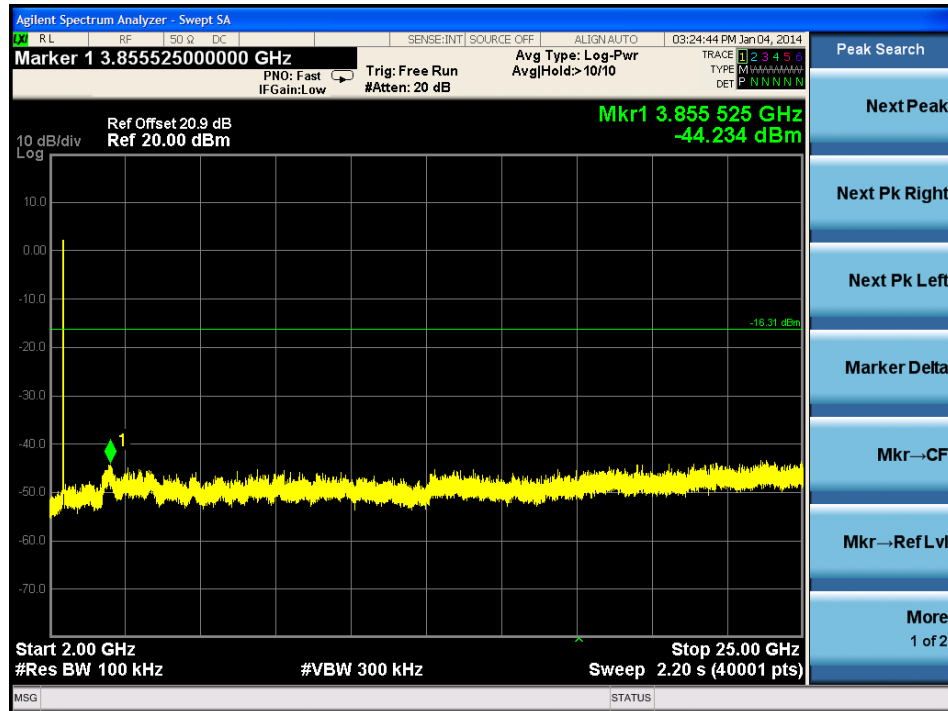
Low Band Edge – Frequency L



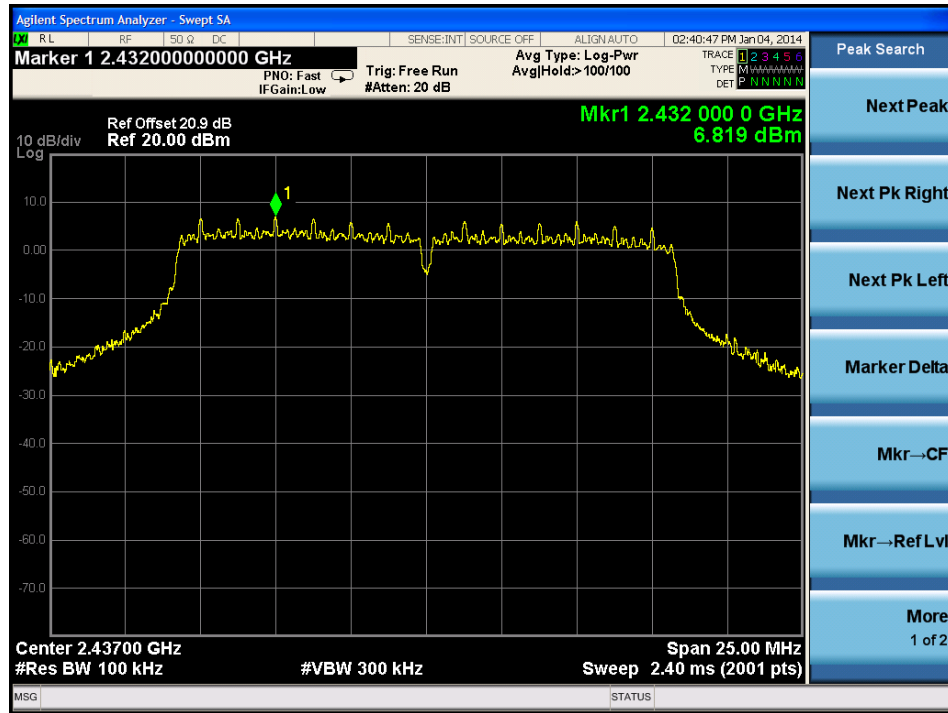
Spurious Emission 30MHz ~ 3GHz - Frequency L



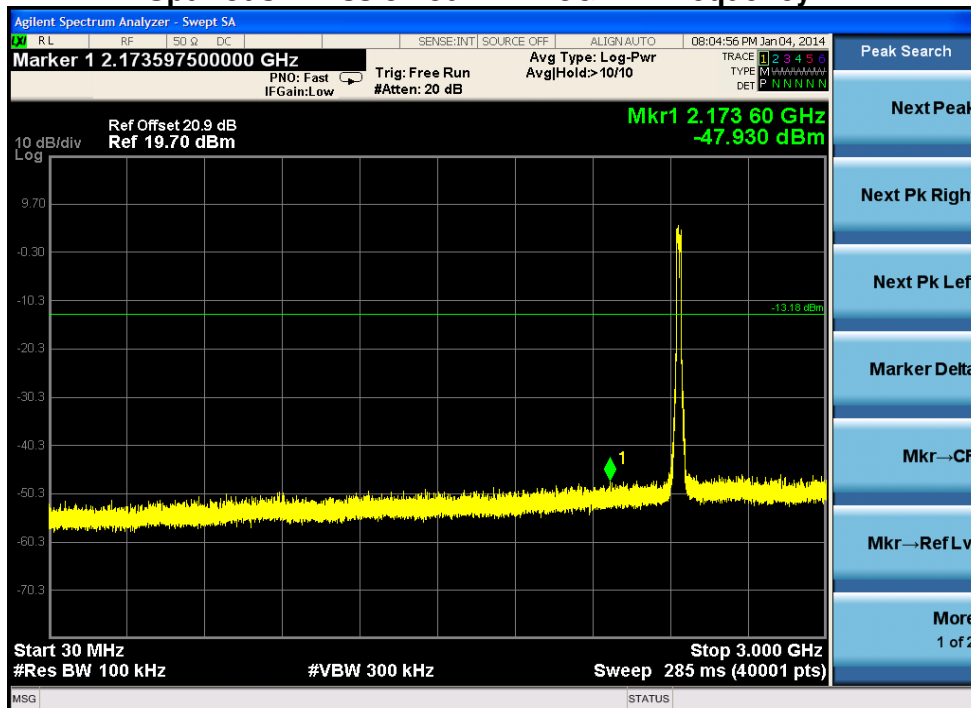
Spurious Emission 3GHz ~ 25GHz - Frequency L



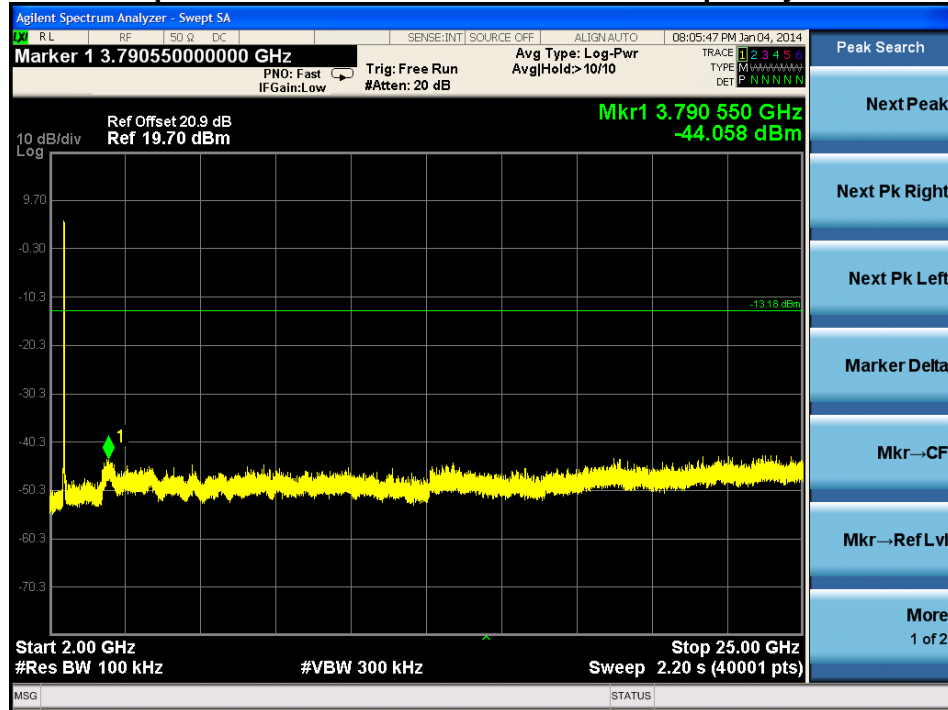
Reference Level - Frequency M



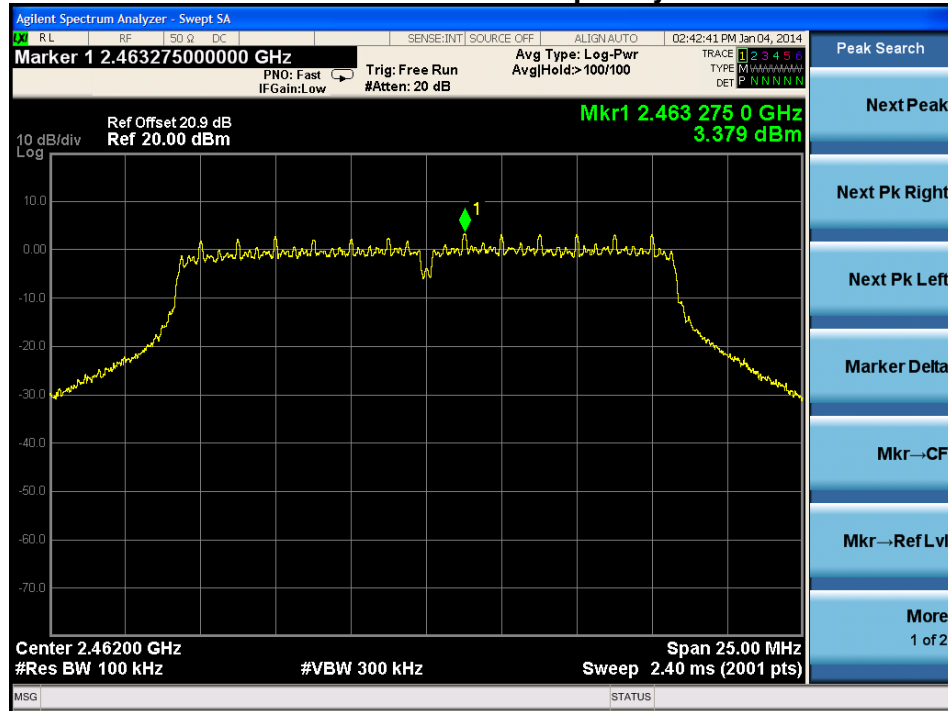
Spurious Emission 30MHz ~ 3GHz - Frequency M



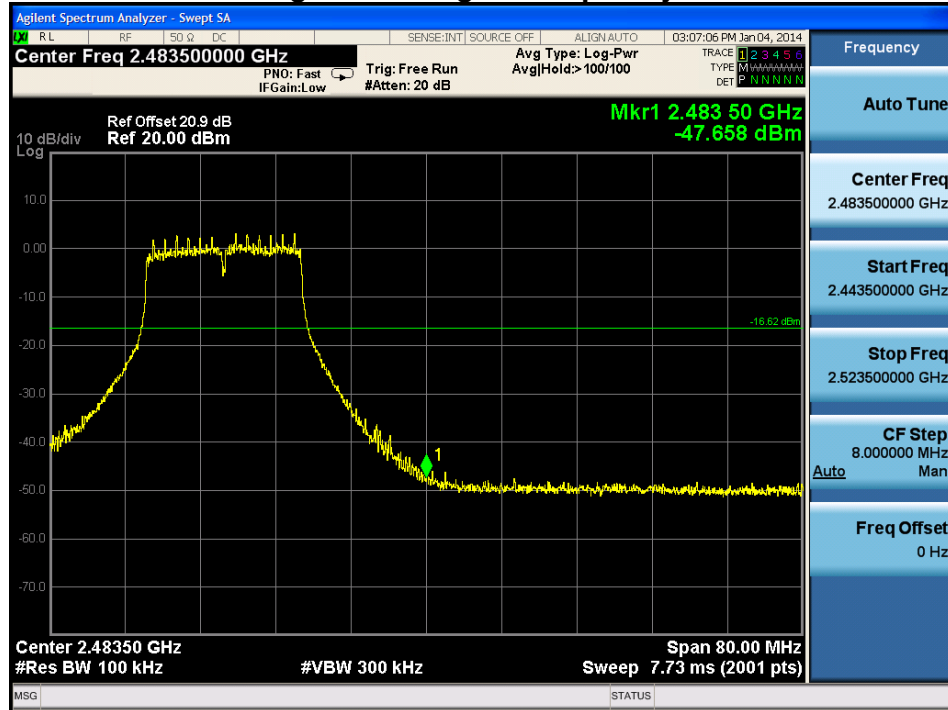
Spurious Emission 3GHz ~ 25GHz - Frequency M



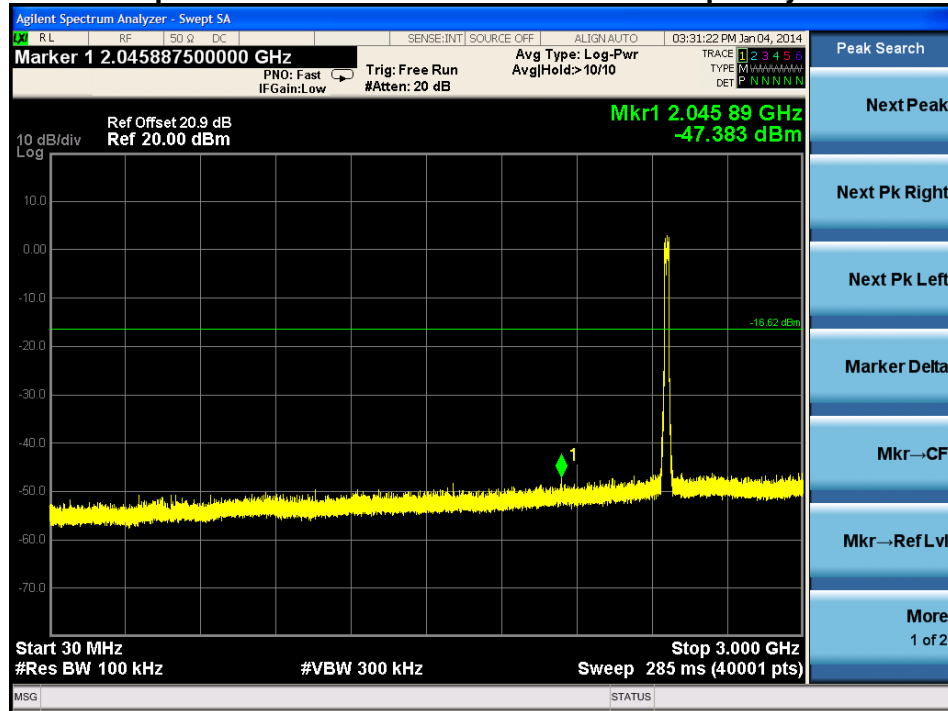
Reference Level - Frequency H



High Band Edge – Frequency H

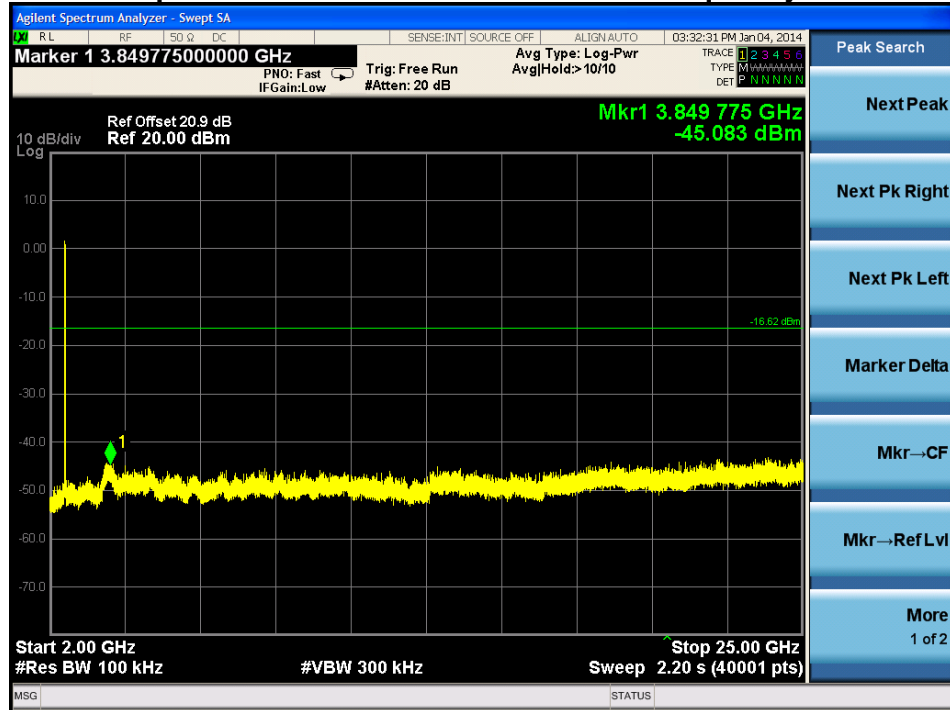


Spurious Emission 30MHz ~ 3GHz - Frequency H



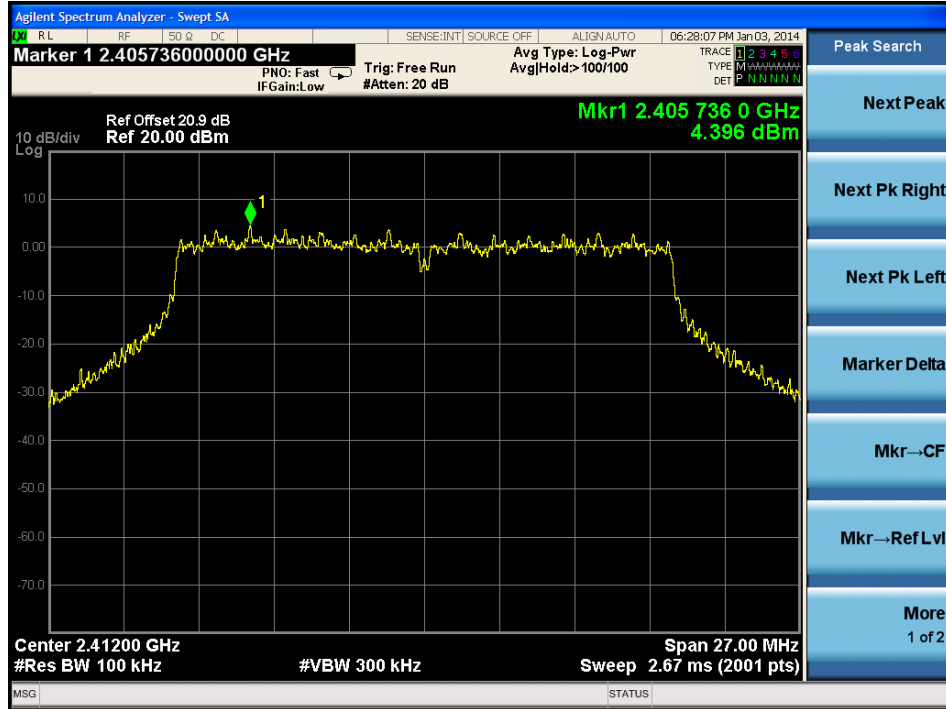


Spurious Emission 3GHz ~ 25GHz - Frequency H

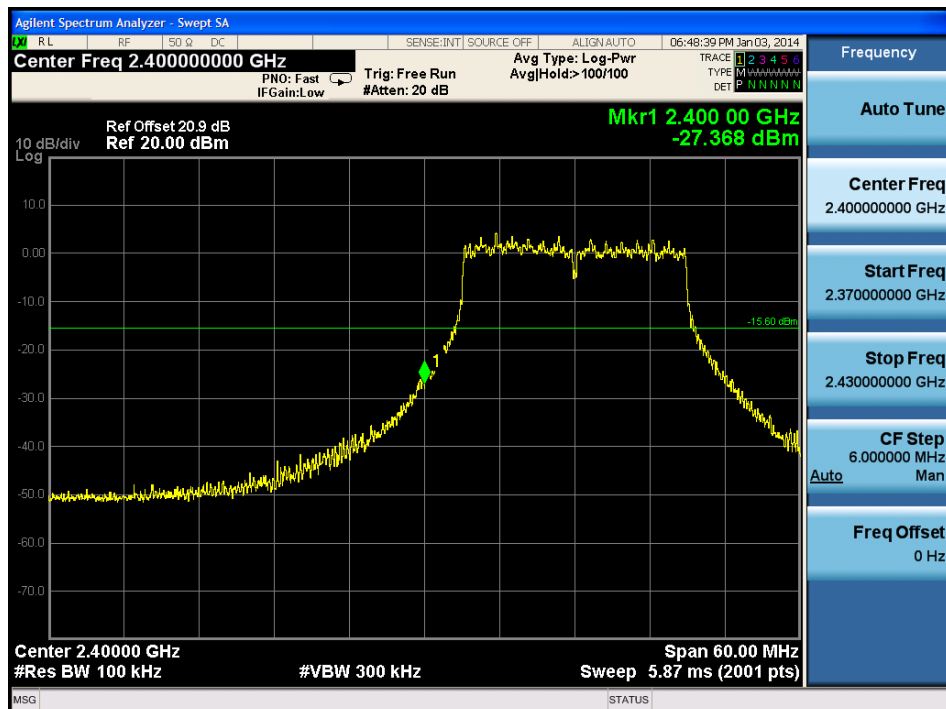


802.11n20 Out-of-Band Emissions – Chain 0 / Chain 0 + 1

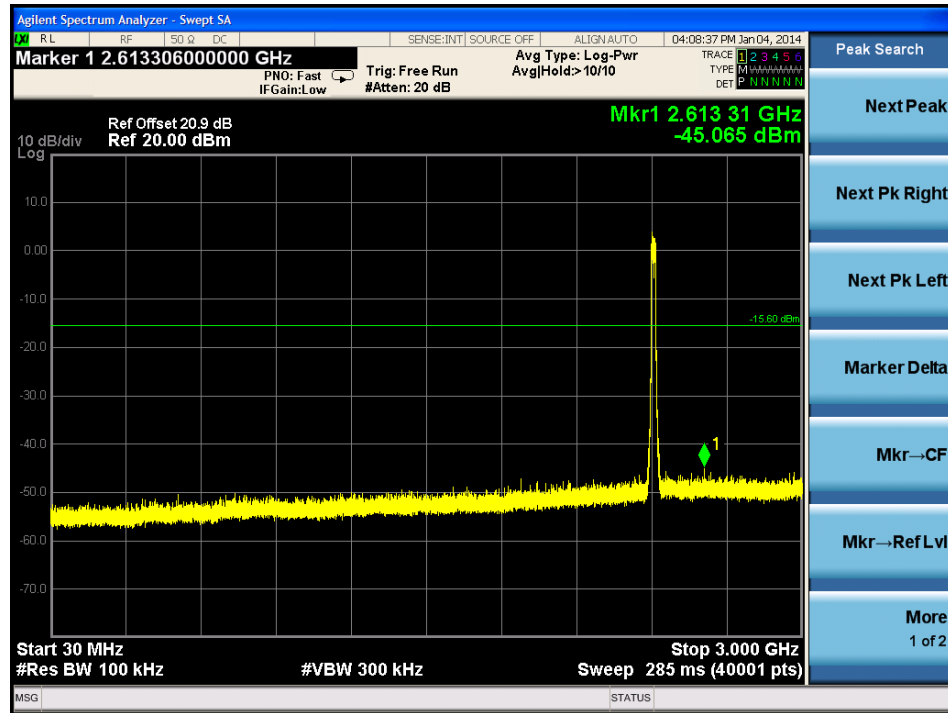
Reference Level - Frequency L



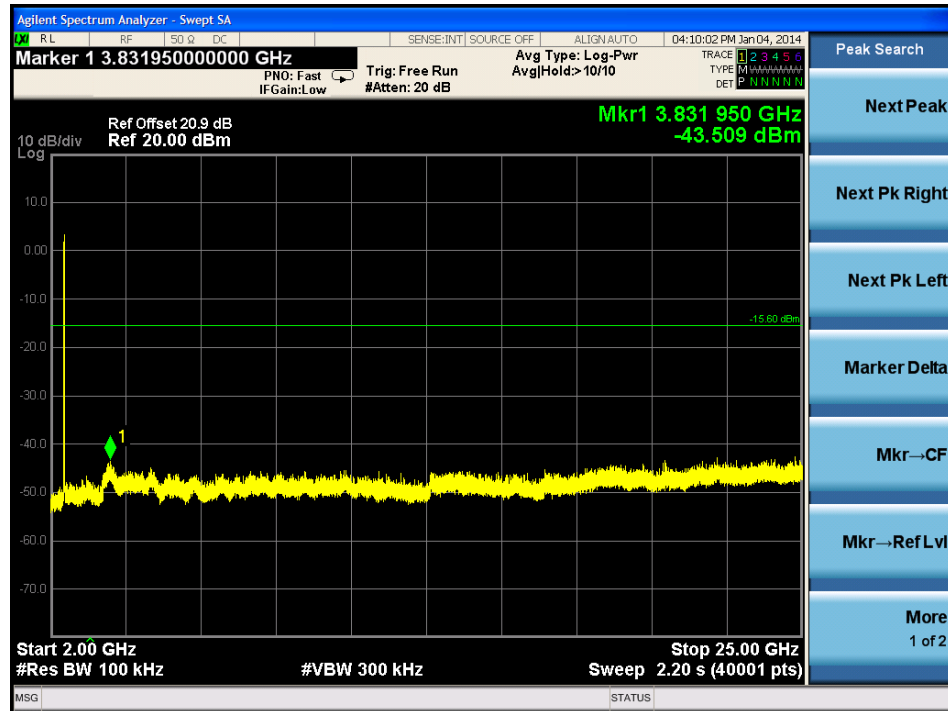
Low Band Edge – Frequency L



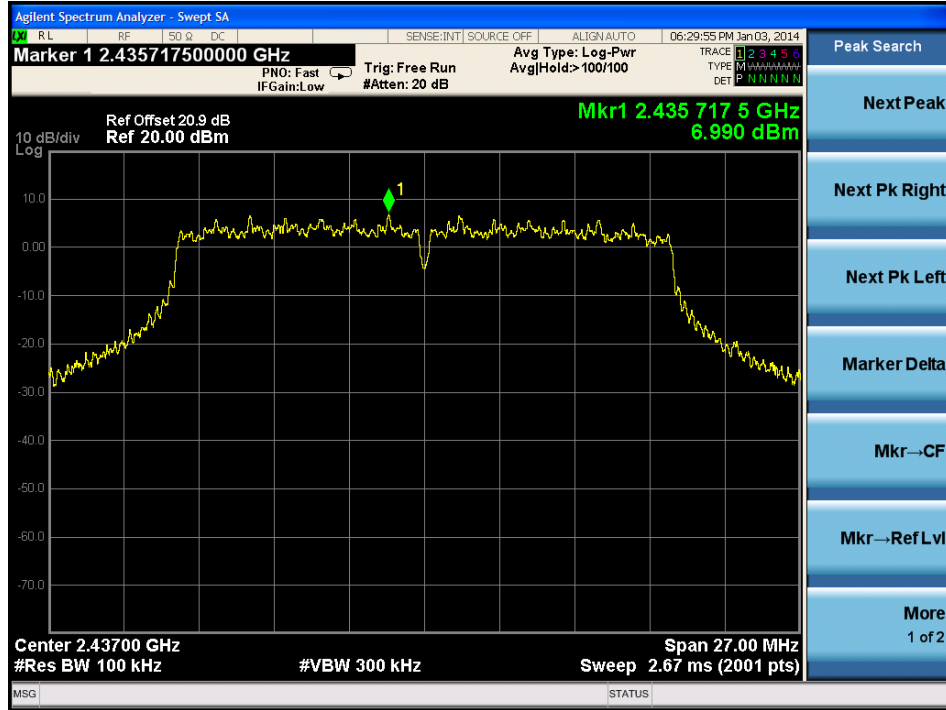
Spurious Emission 30MHz ~ 3GHz - Frequency L



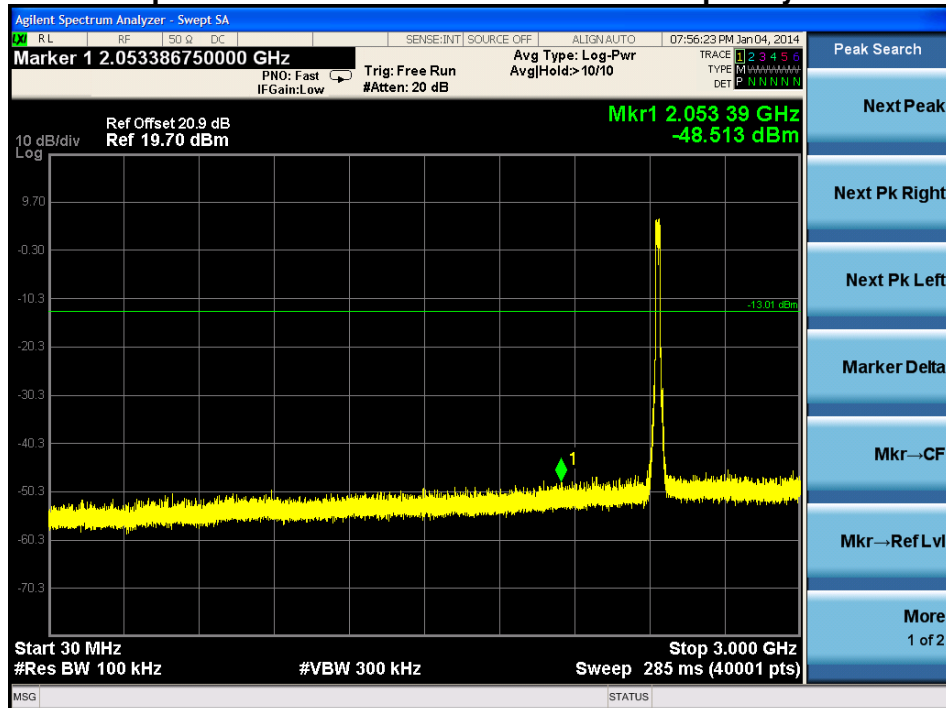
Spurious Emission 3GHz ~ 25GHz - Frequency L



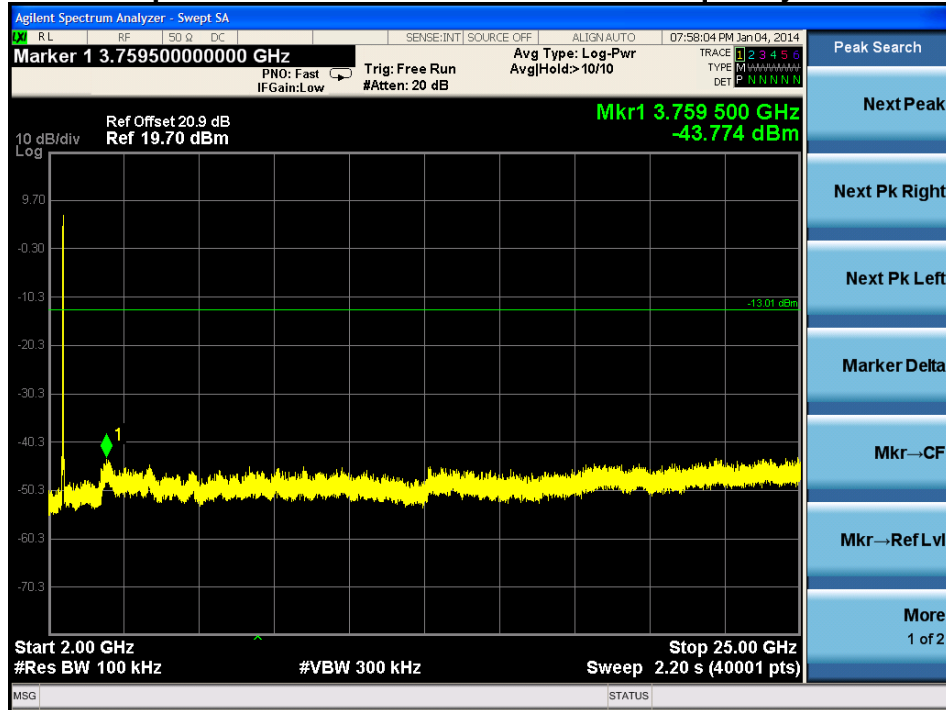
Reference Level - Frequency M



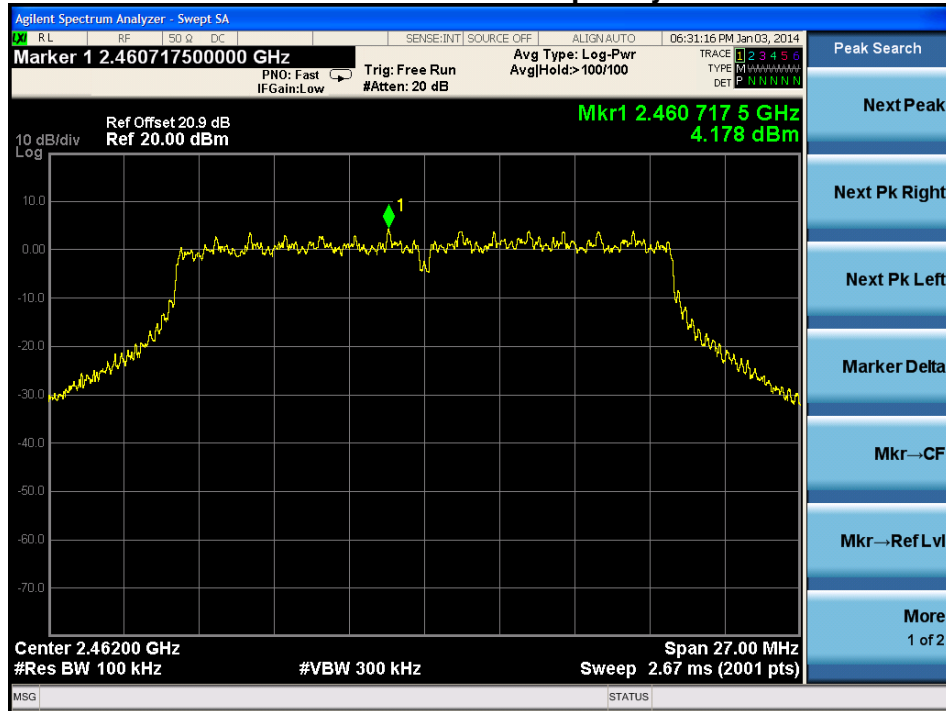
Spurious Emission 30MHz ~ 3GHz - Frequency M



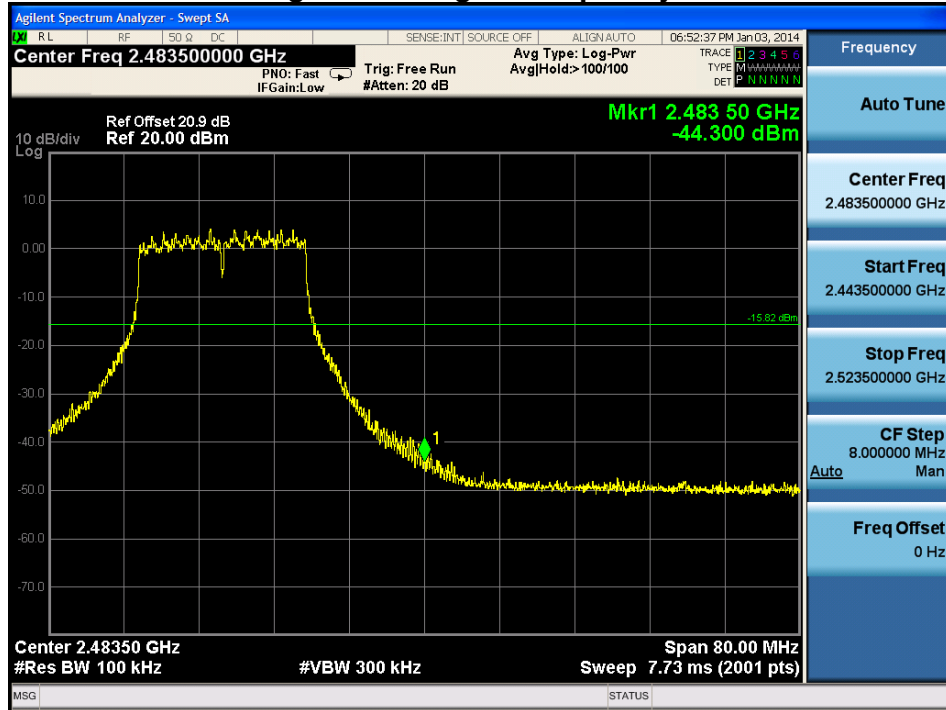
Spurious Emission 3GHz ~ 25GHz - Frequency M



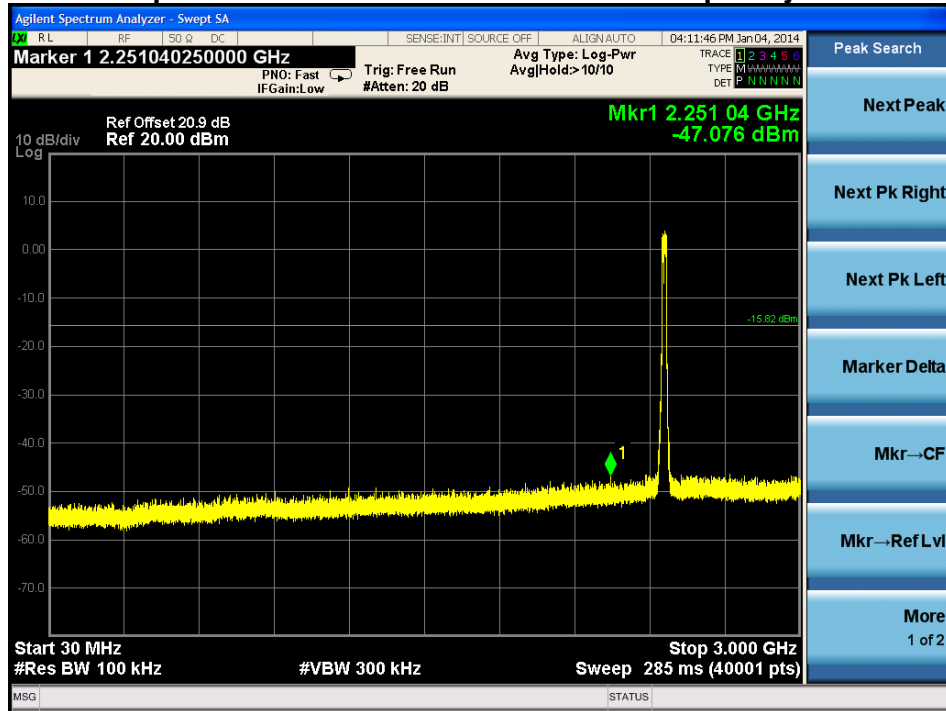
Reference Level - Frequency H



High Band Edge – Frequency H

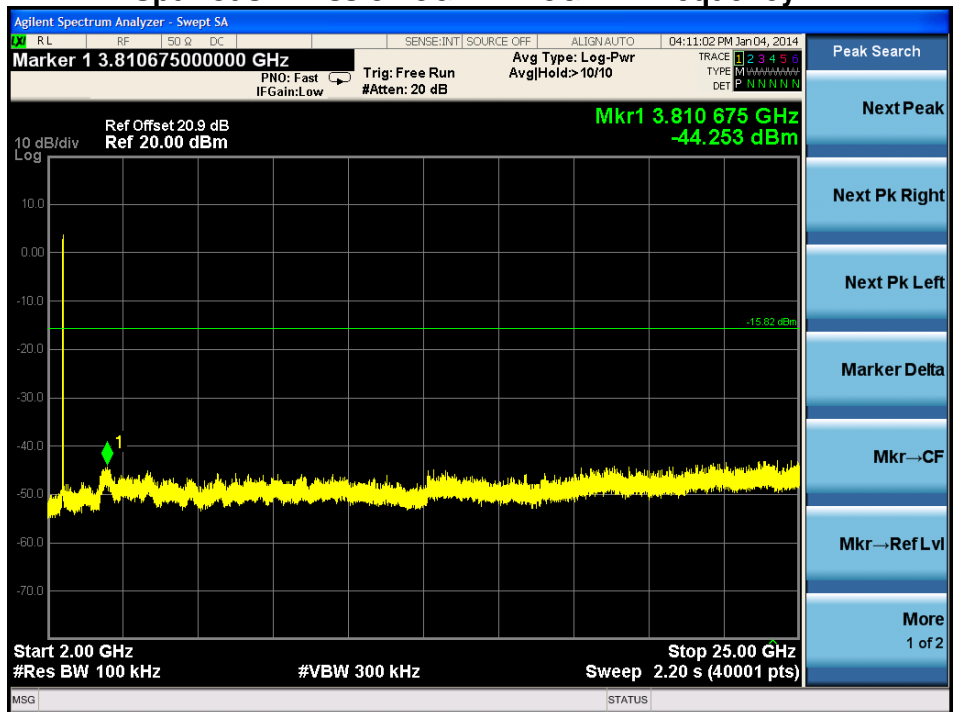


Spurious Emission 30MHz ~ 3GHz - Frequency H



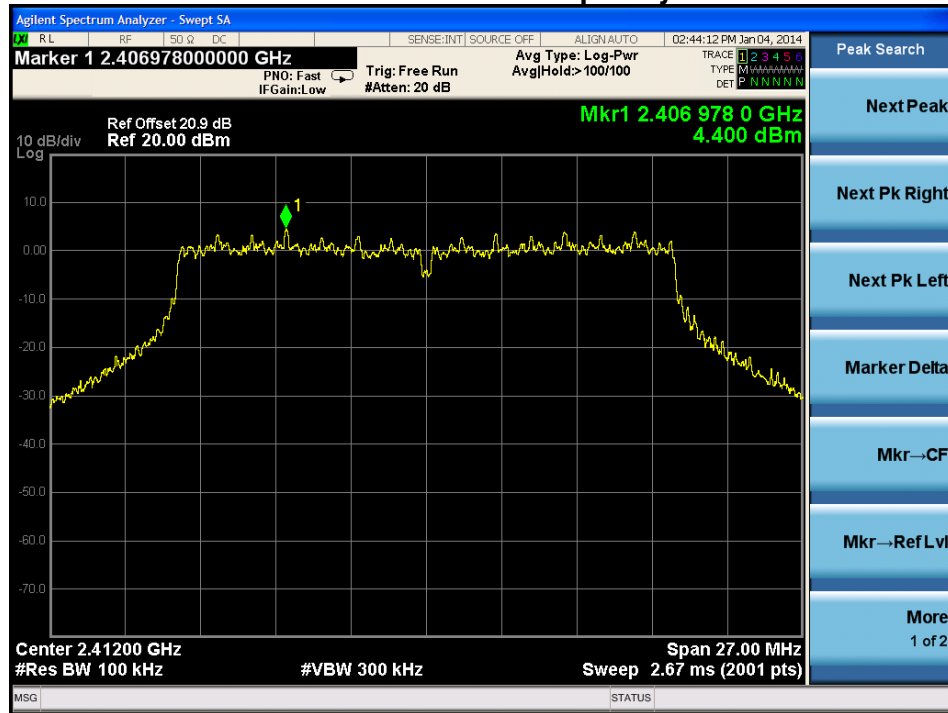


Spurious Emission 3GHz ~ 25GHz - Frequency H

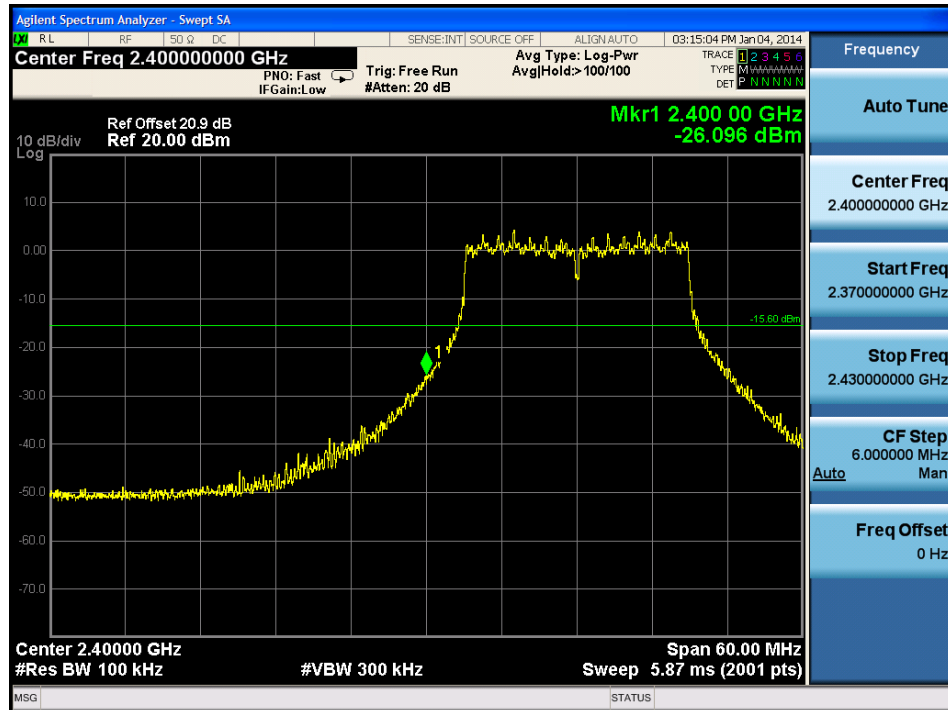


802.11n20 Out-of-Band Emissions – Chain 1 / Chain 0 + 1

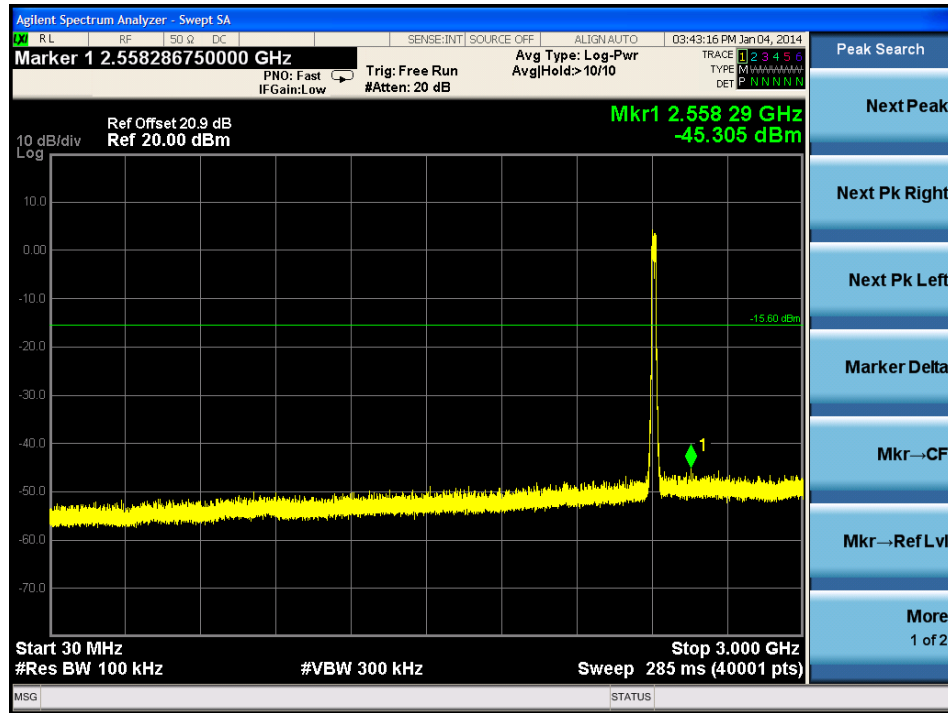
Reference Level - Frequency L



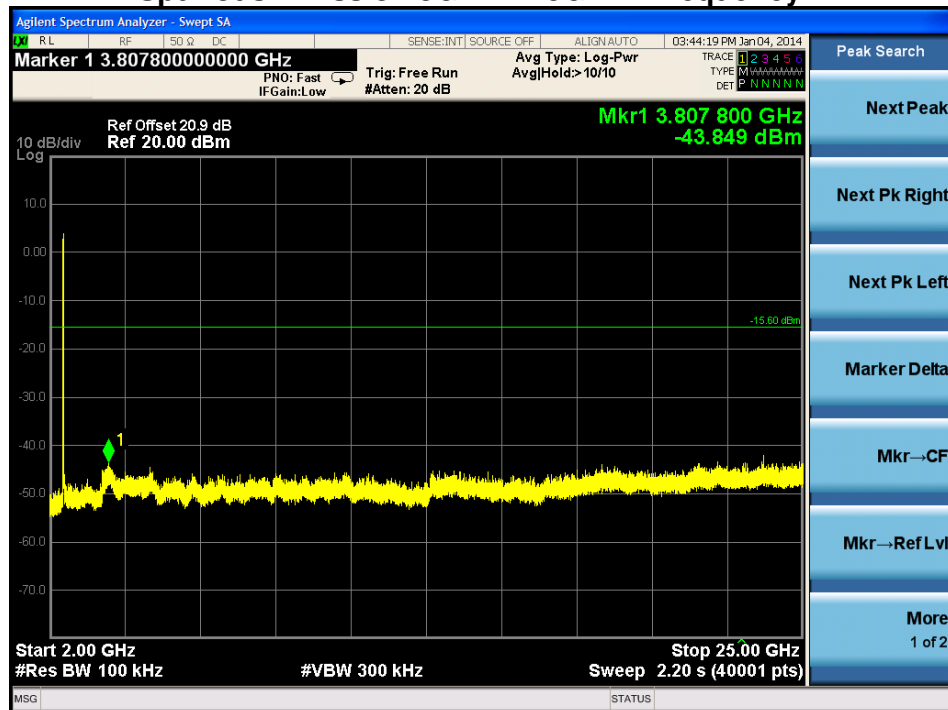
Low Band Edge – Frequency L



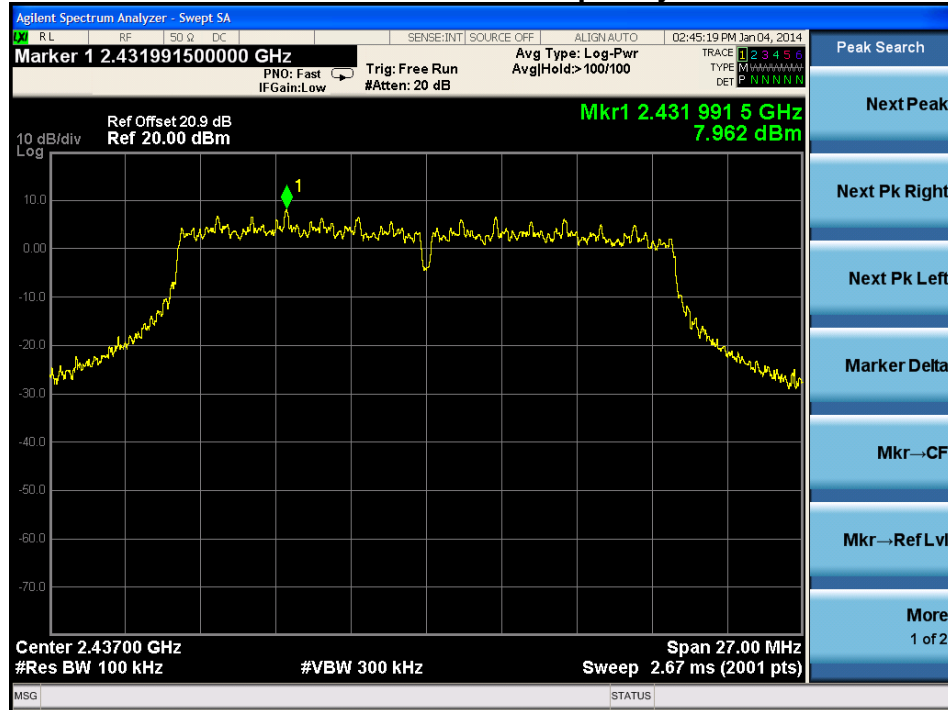
Spurious Emission 30MHz ~ 3GHz - Frequency L



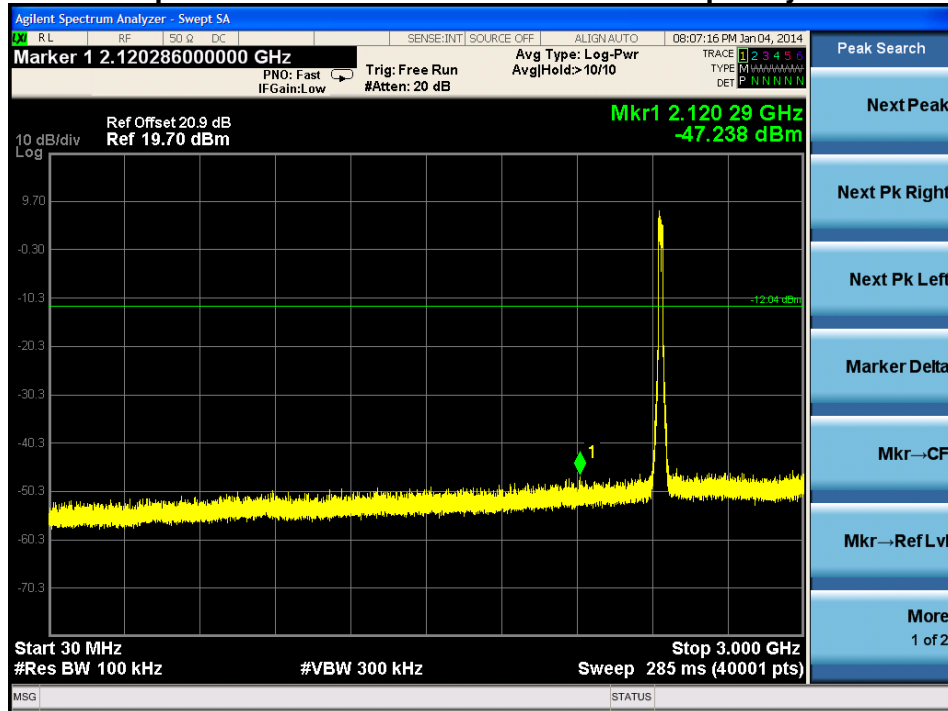
Spurious Emission 3GHz ~ 25GHz - Frequency L



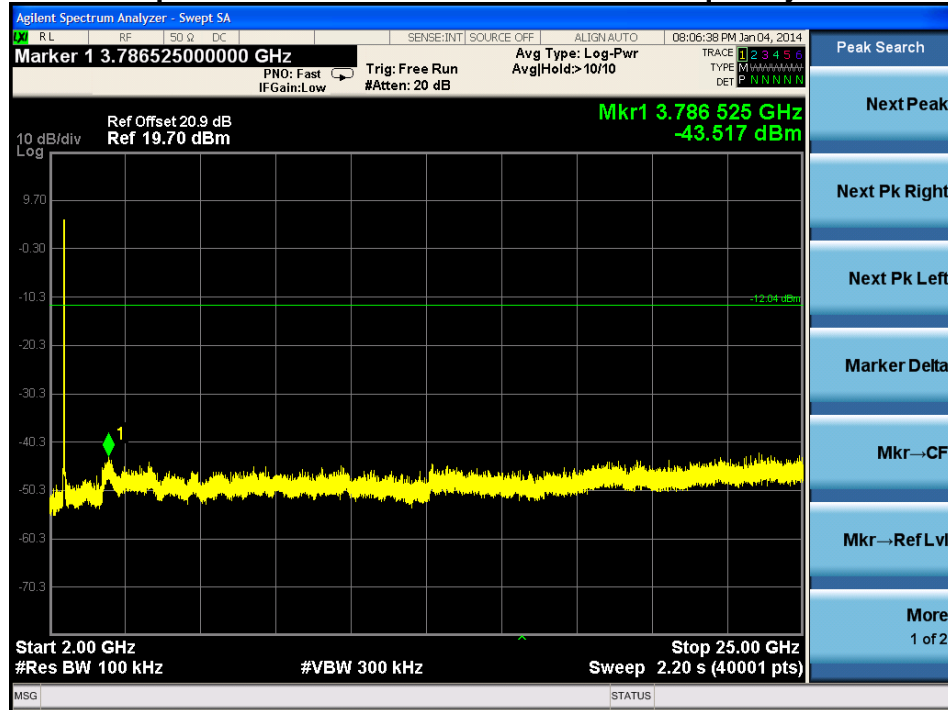
Reference Level - Frequency H



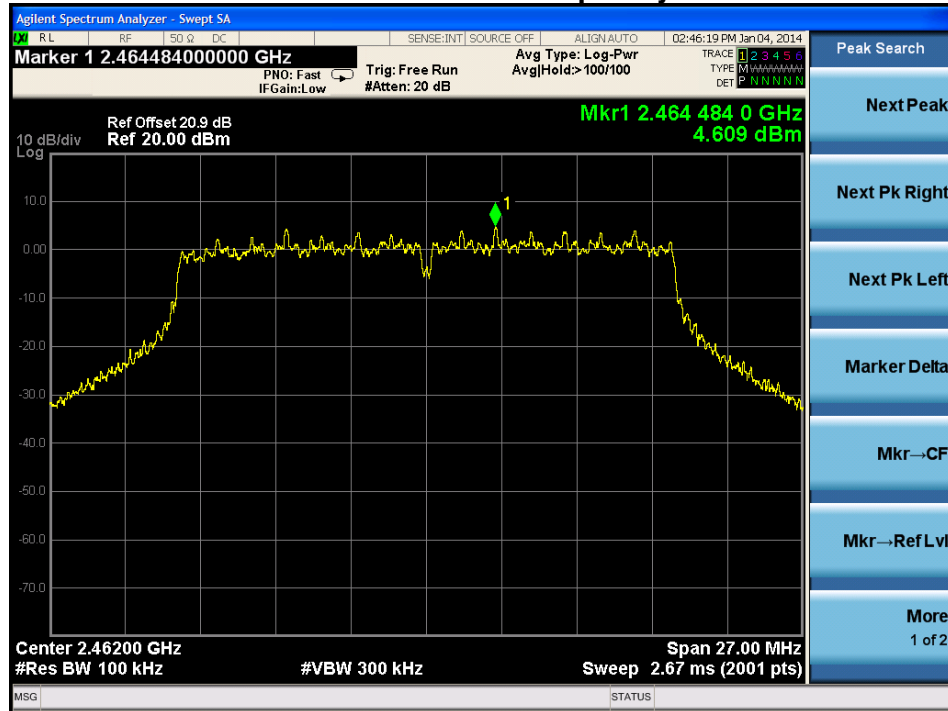
Spurious Emission 30MHz ~ 3GHz - Frequency H



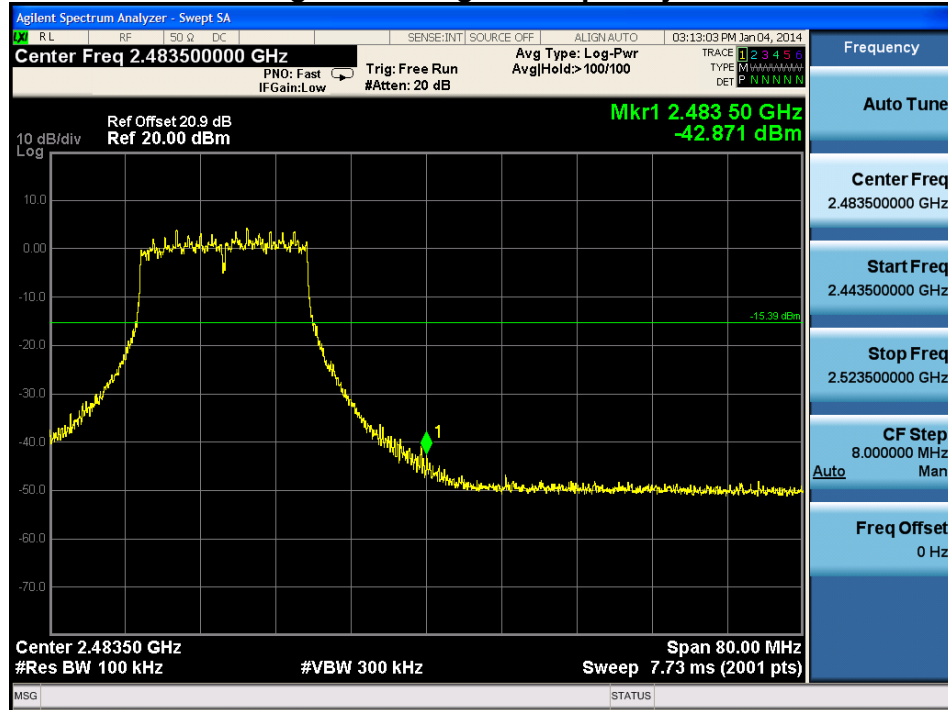
Spurious Emission 3GHz ~ 25GHz - Frequency H



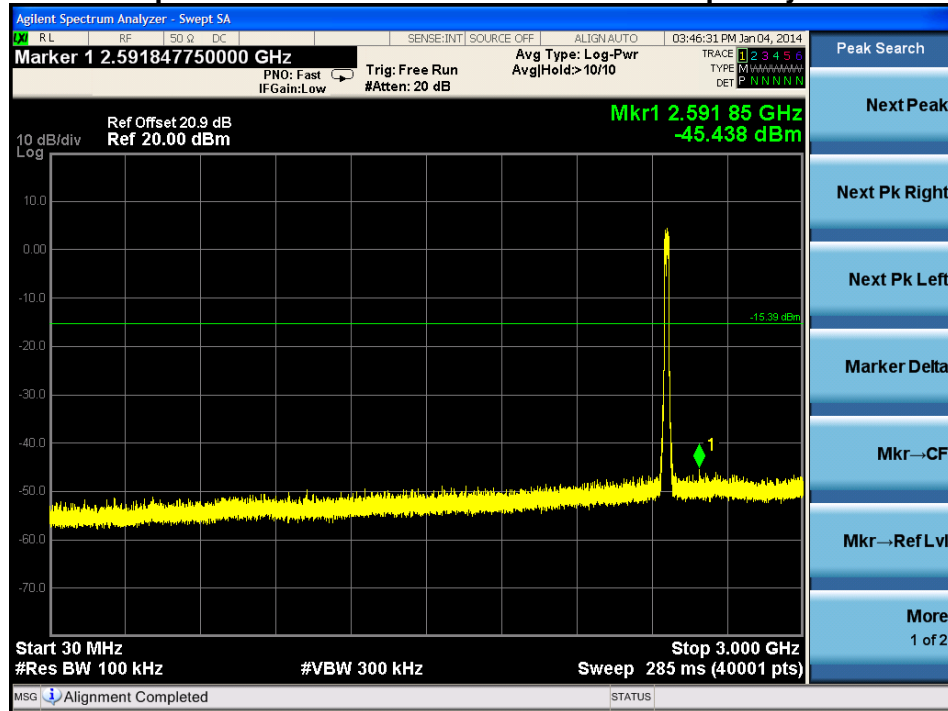
Reference Level - Frequency H



High Band Edge – Frequency H

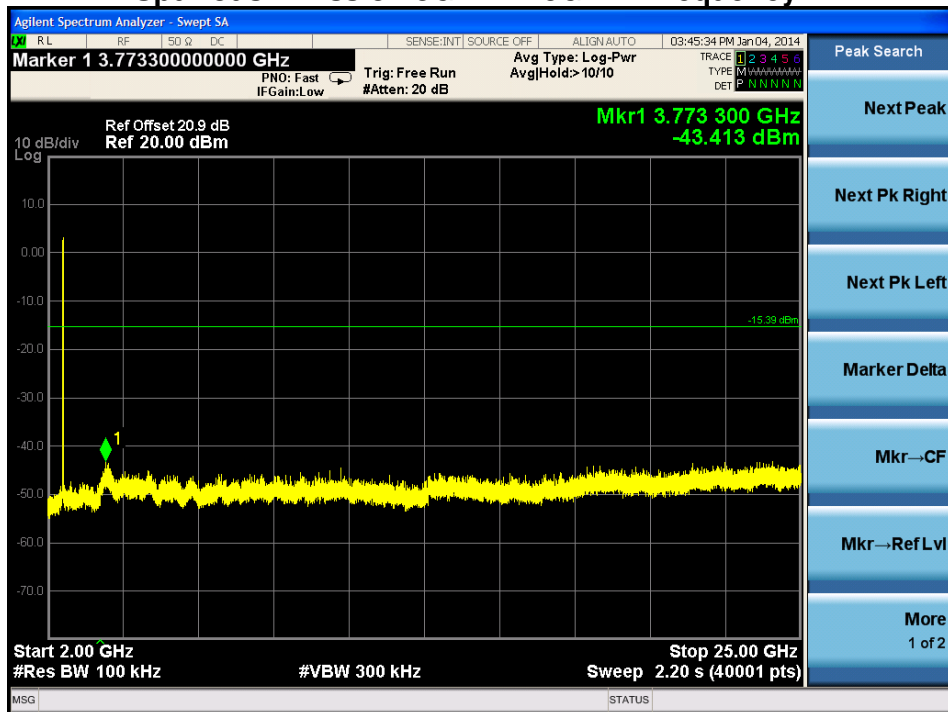


Spurious Emission 30MHz ~ 3GHz - Frequency H



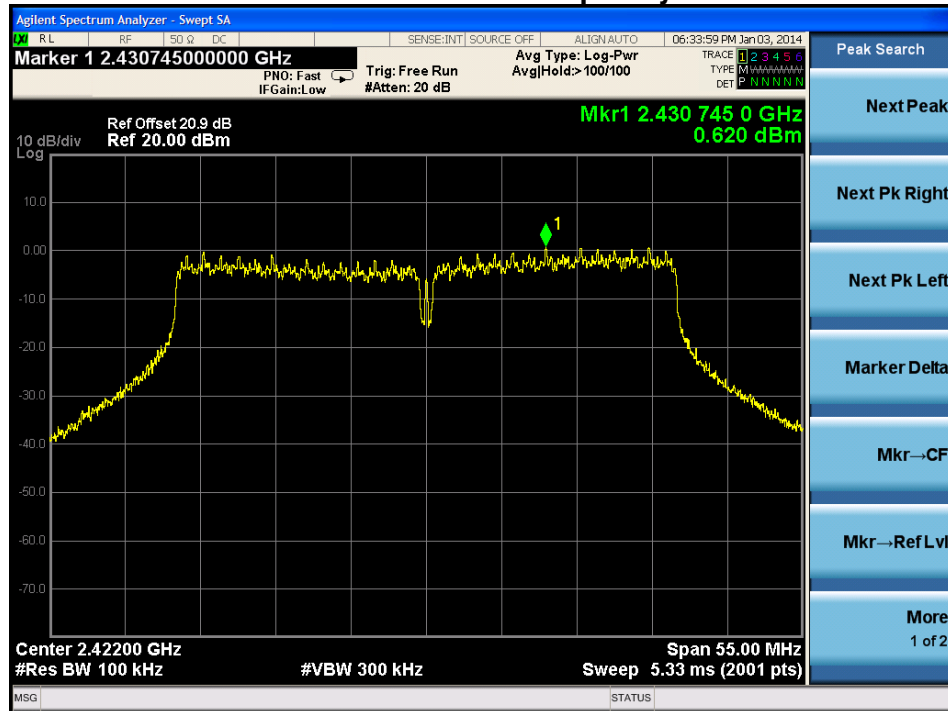


Spurious Emission 3GHz ~ 25GHz - Frequency H

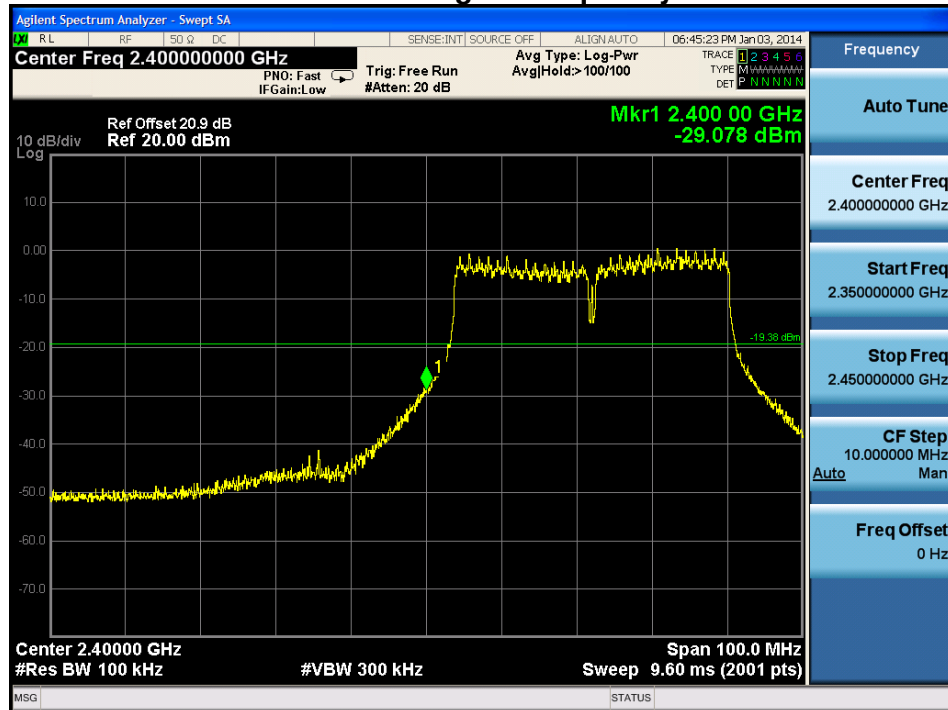


802.11n40 Out-of-Band Emissions – Chain 0 / Chain 0 + 1

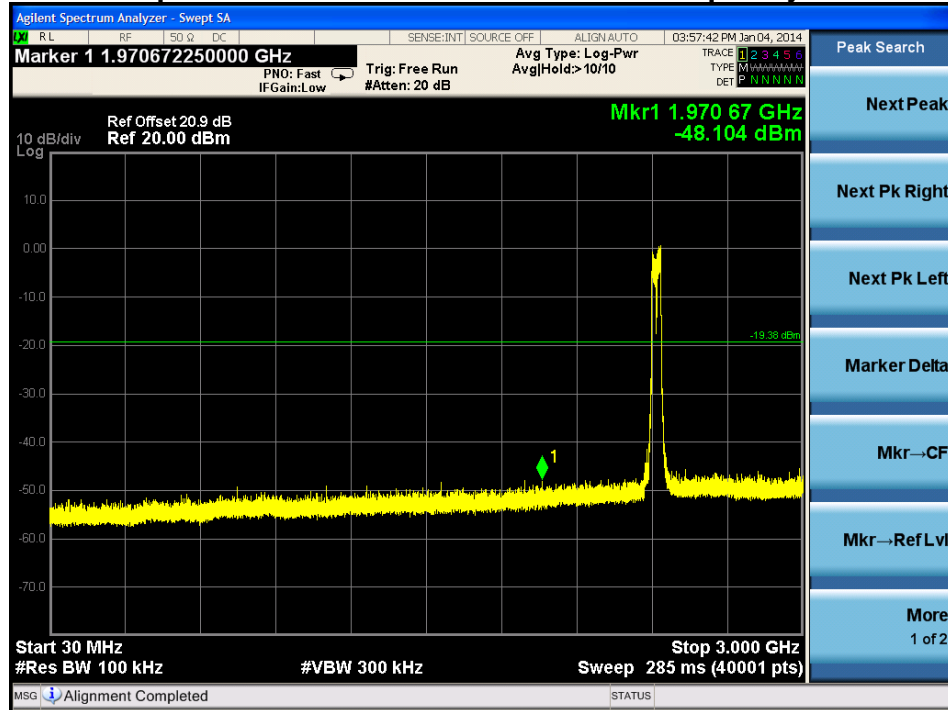
Reference Level - Frequency L



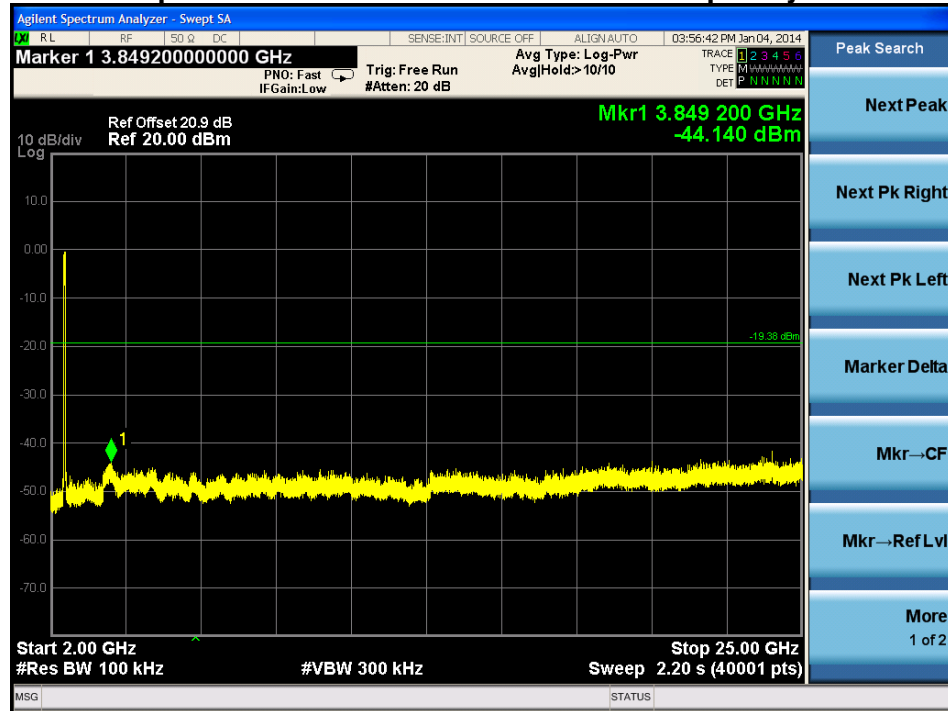
Low Band Edge – Frequency L



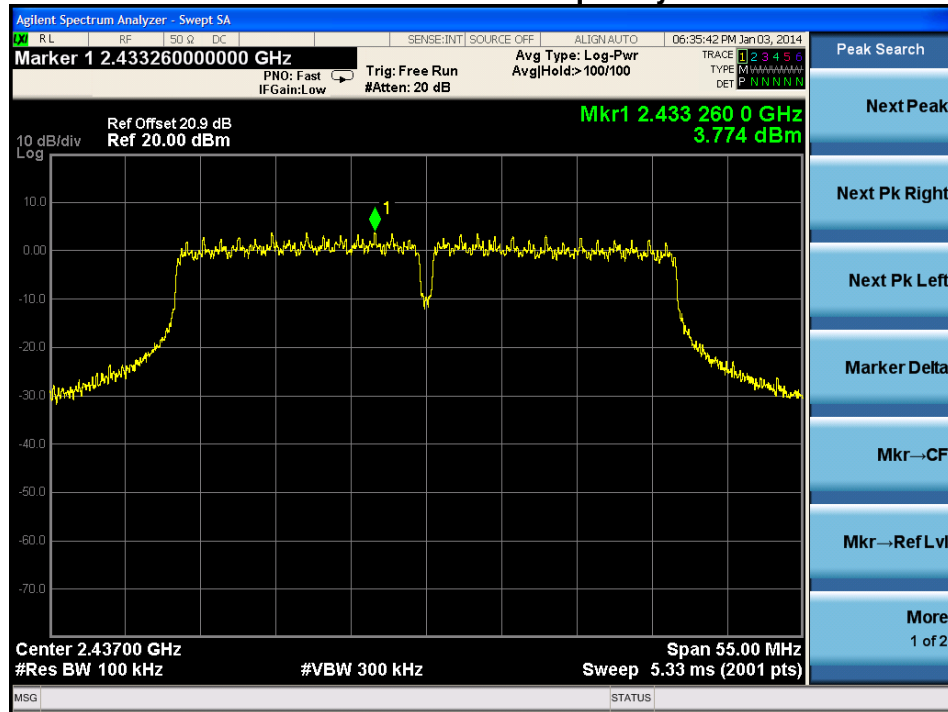
Spurious Emission 30MHz ~ 3GHz - Frequency L



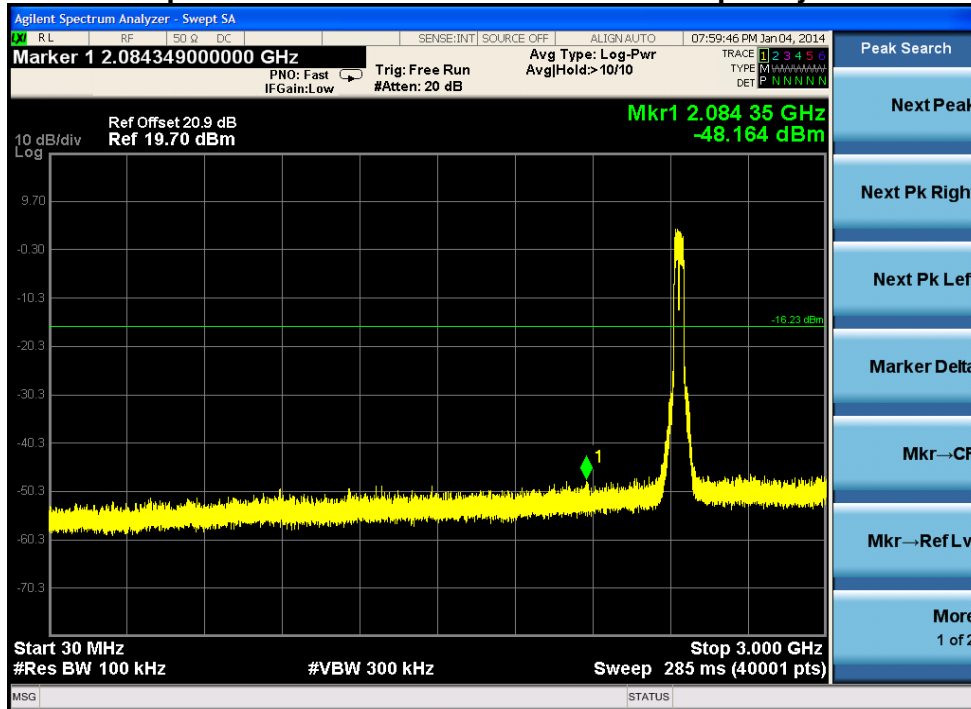
Spurious Emission 3GHz ~ 25GHz - Frequency L



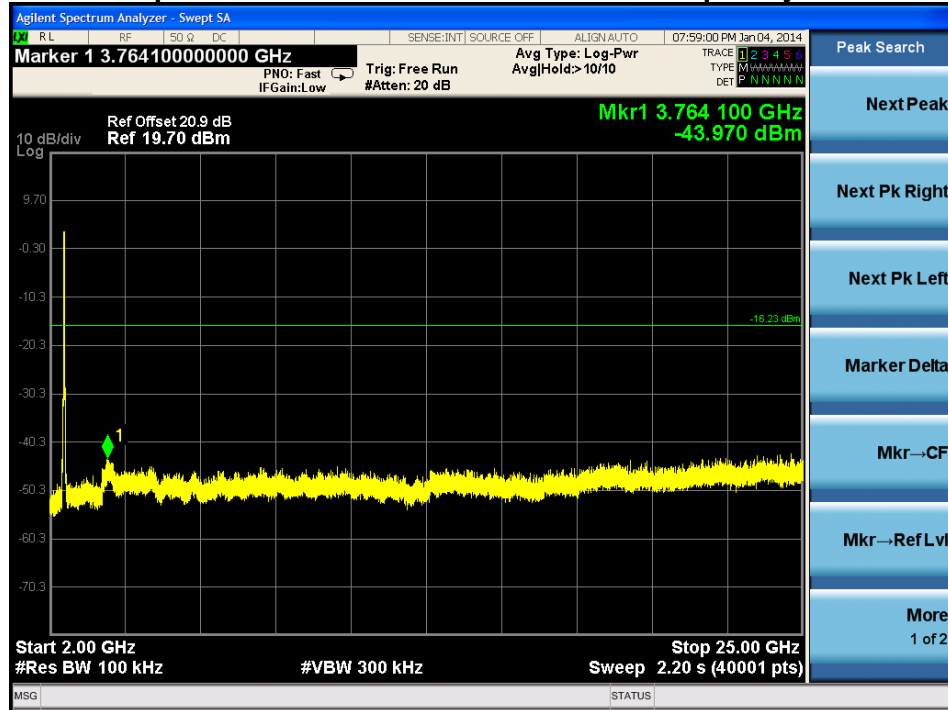
Reference Level - Frequency M



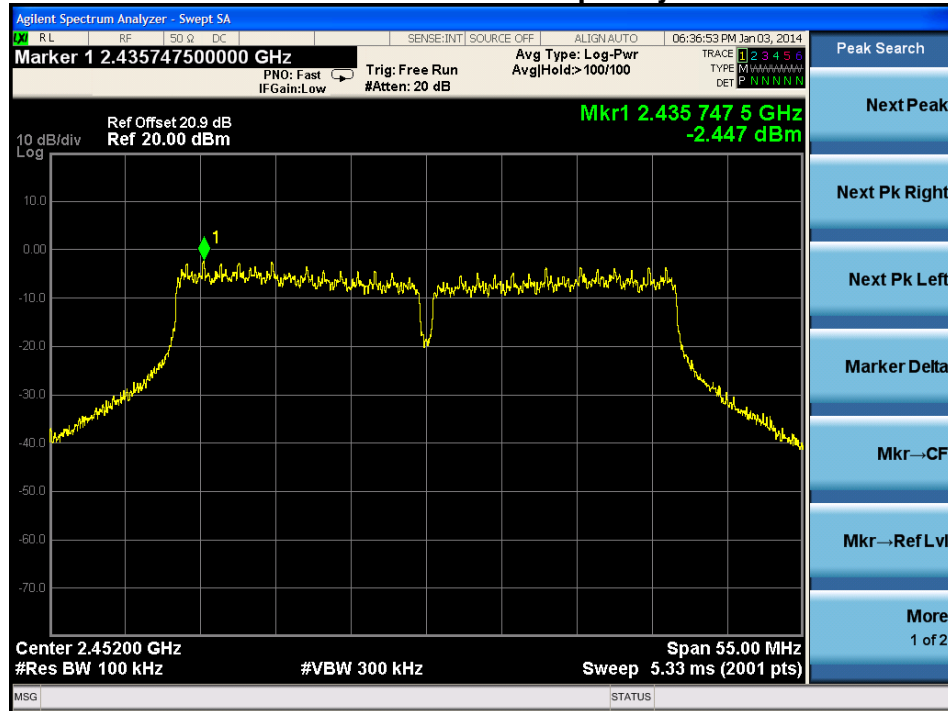
Spurious Emission 30MHz ~ 3GHz - Frequency M



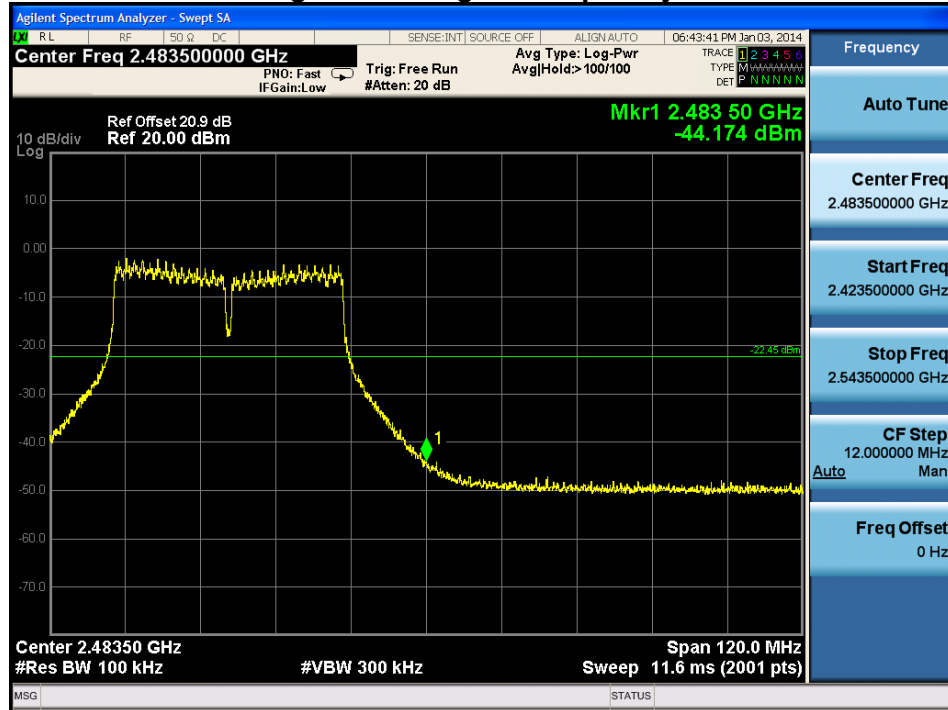
Spurious Emission 3GHz ~ 25GHz - Frequency M



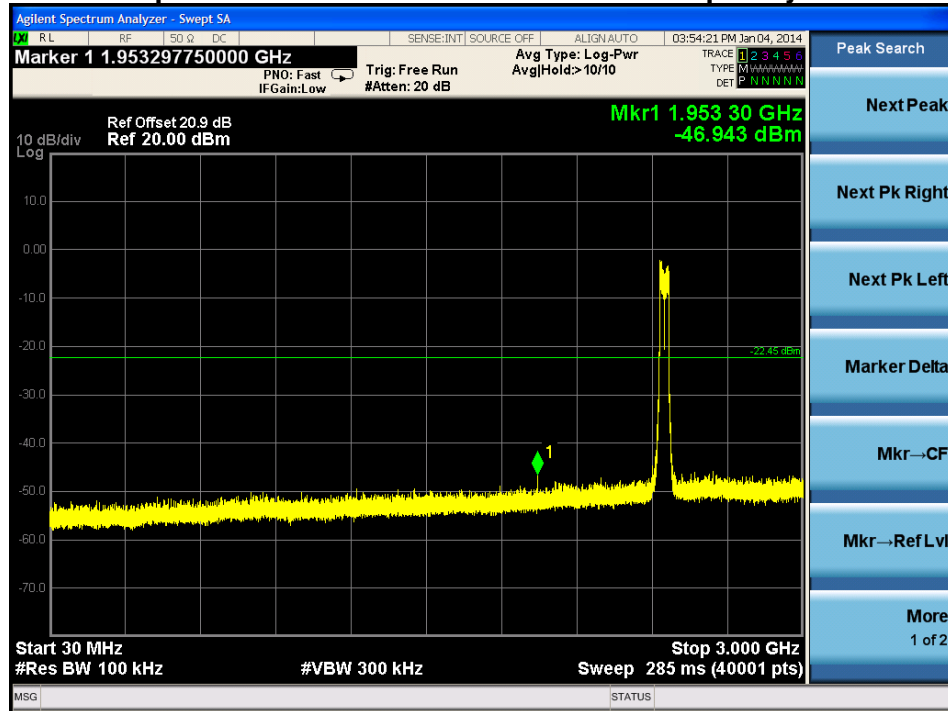
Reference Level - Frequency H



High Band Edge – Frequency H

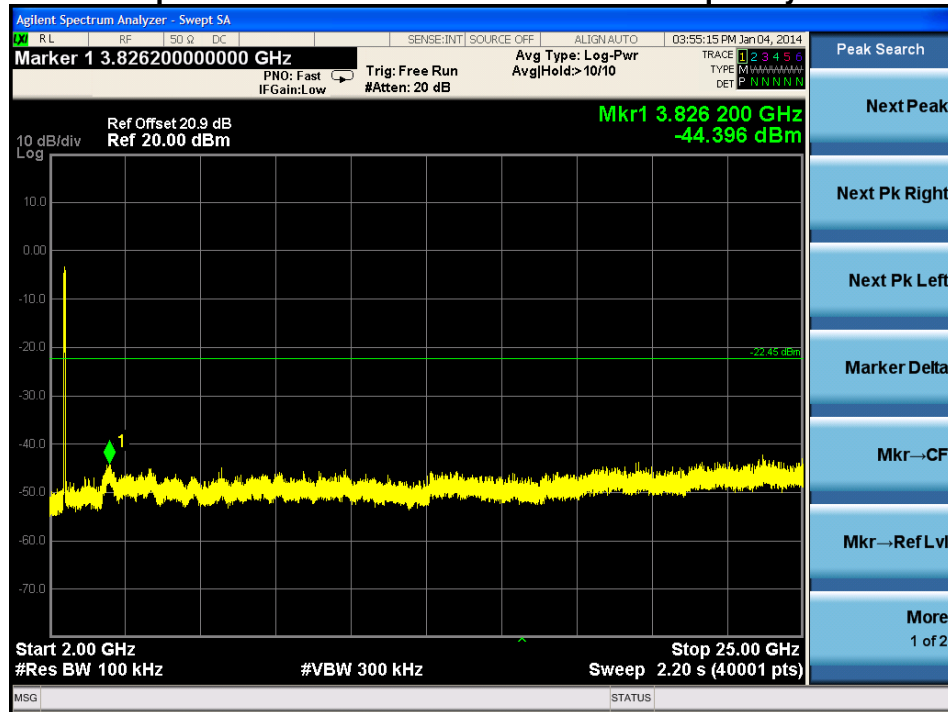


Spurious Emission 30MHz ~ 3GHz - Frequency H



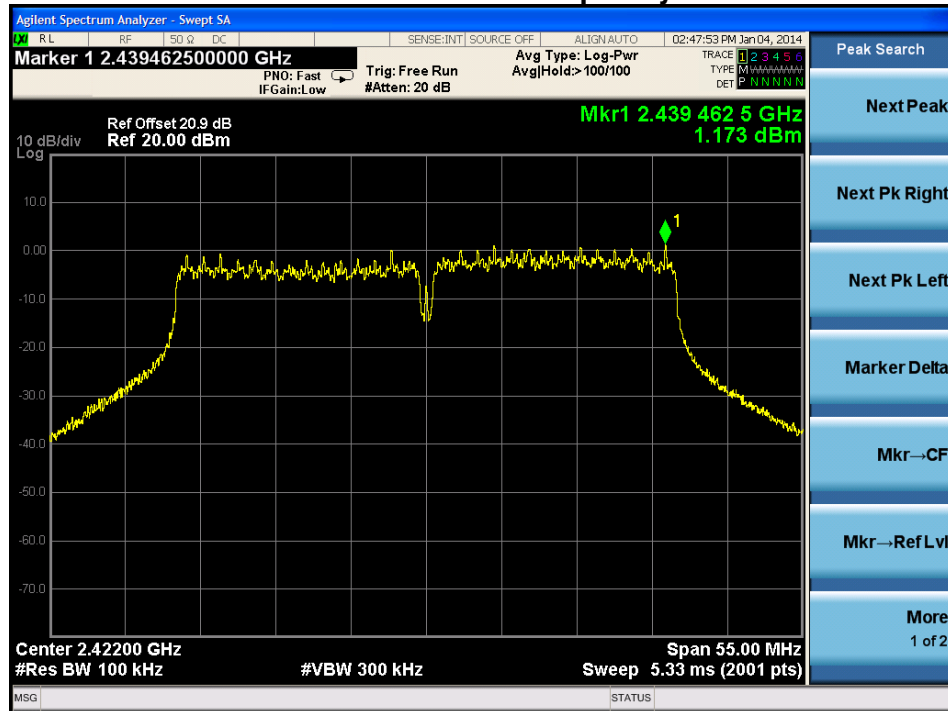


Spurious Emission 3GHz ~ 25GHz - Frequency H

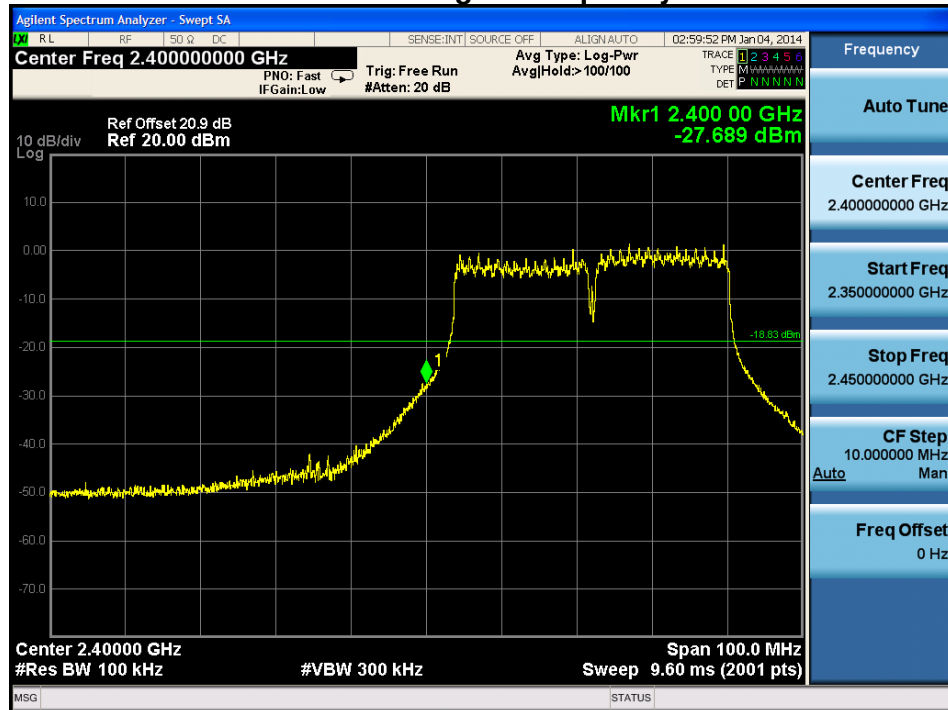


802.11n40 Out-of-Band Emissions – Chain 1 / Chain 0 + 1

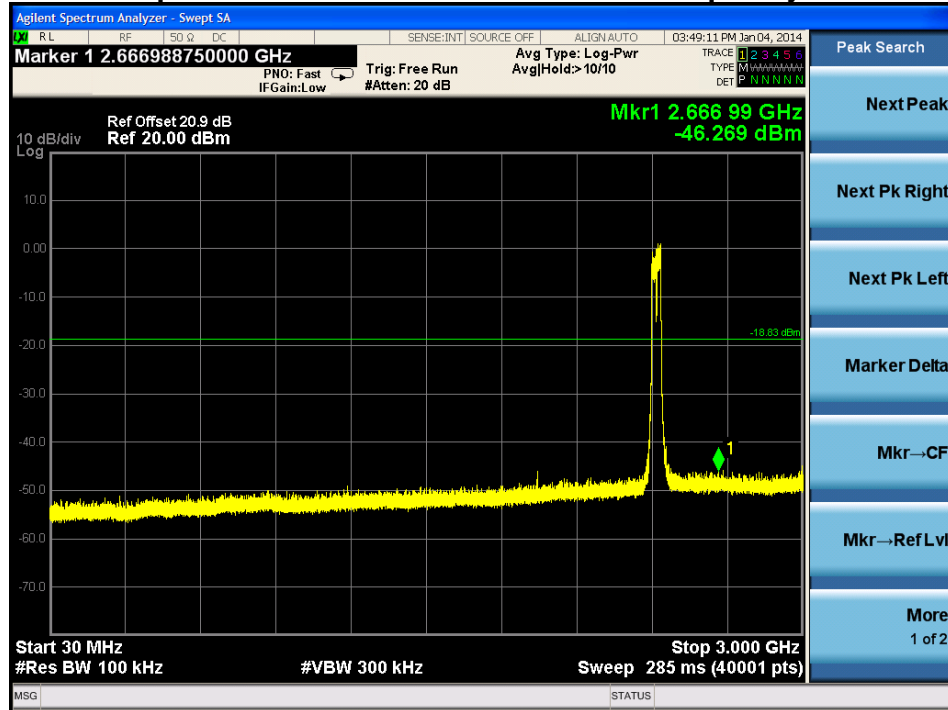
Reference Level - Frequency L



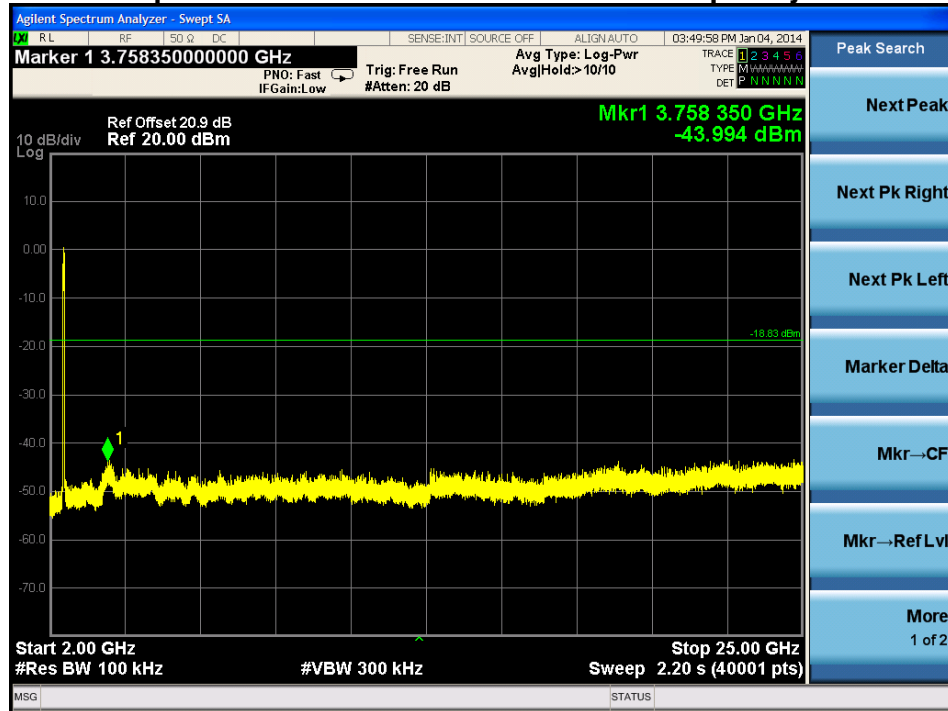
Low Band Edge – Frequency L



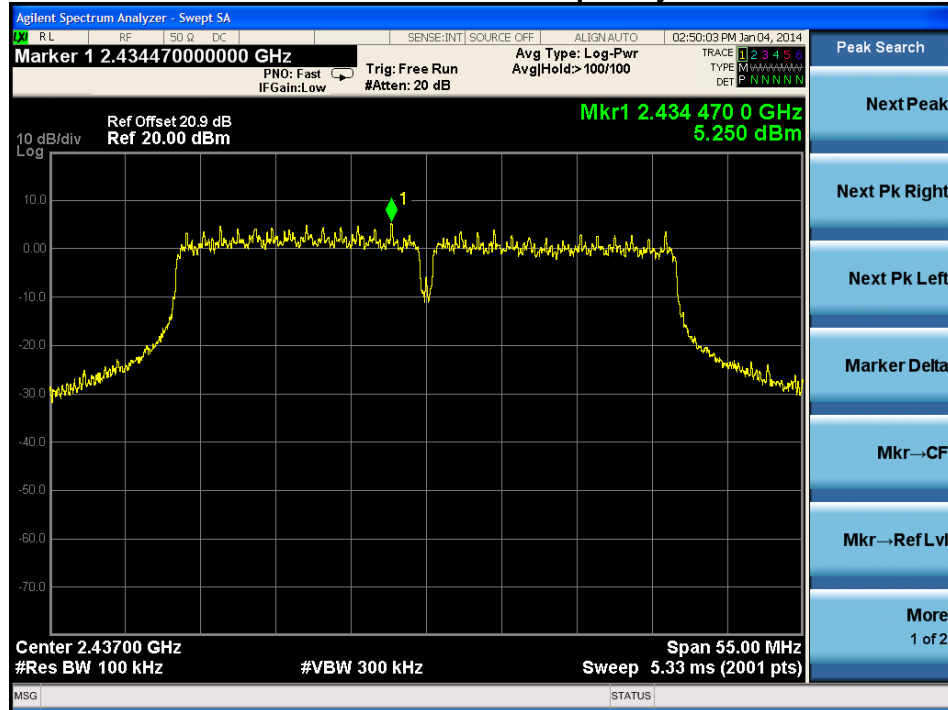
Spurious Emission 30MHz ~ 3GHz - Frequency L



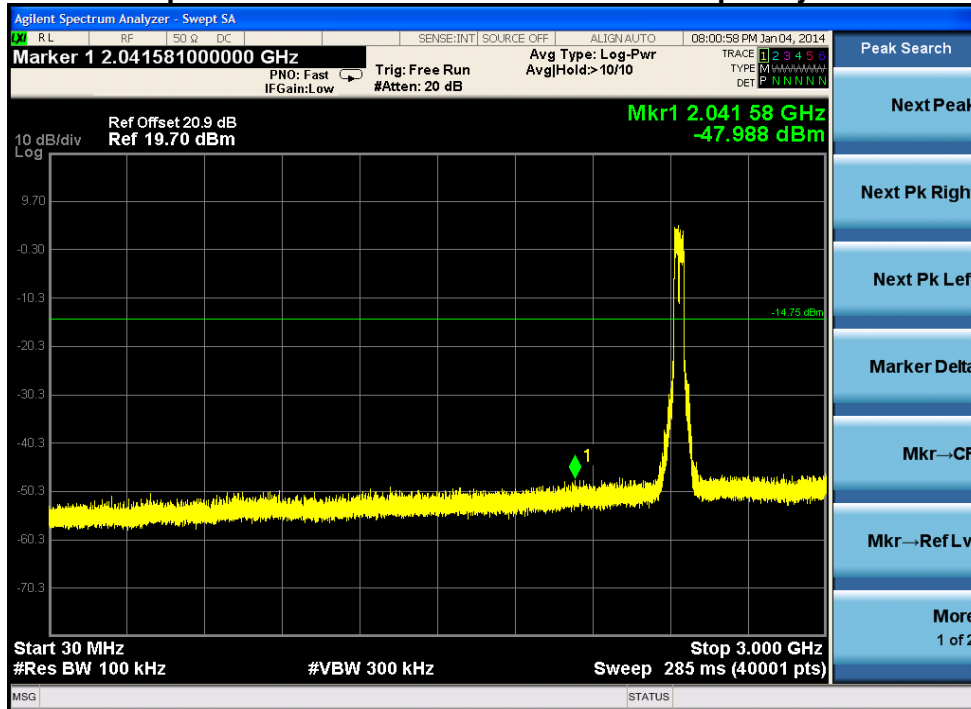
Spurious Emission 3GHz ~ 25GHz – Frequency L



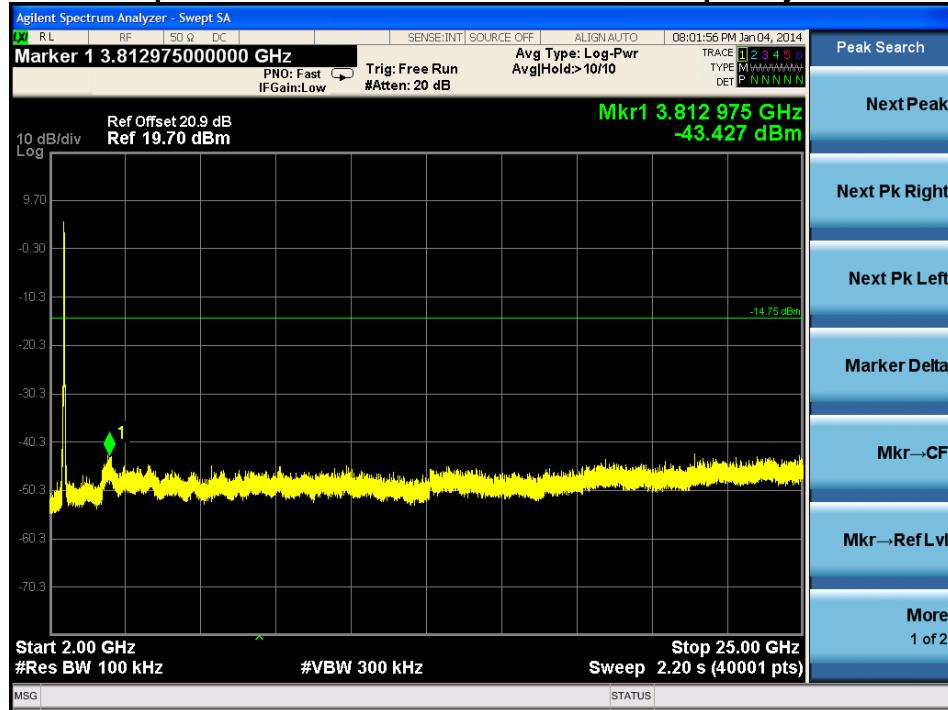
Reference Level - Frequency M



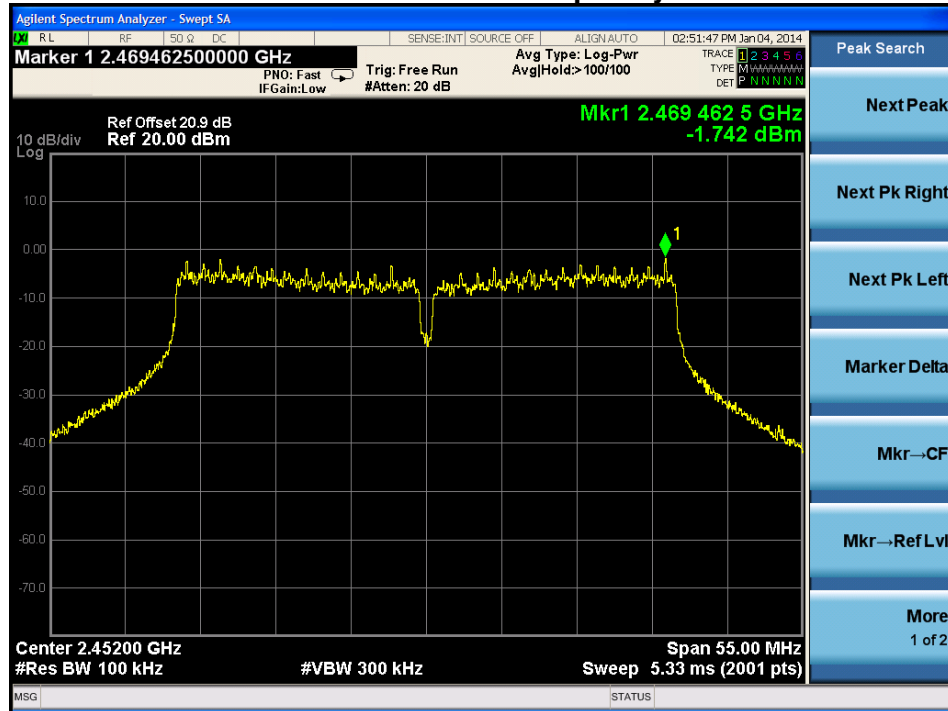
Spurious Emission 30MHz ~ 3GHz - Frequency M



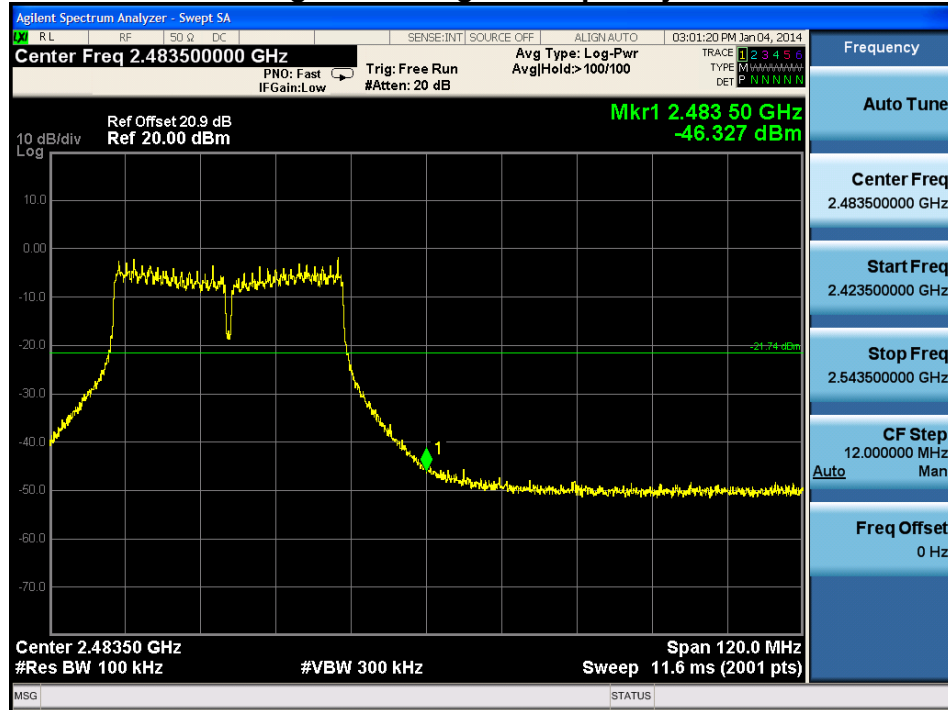
Spurious Emission 3GHz ~ 25GHz - Frequency M



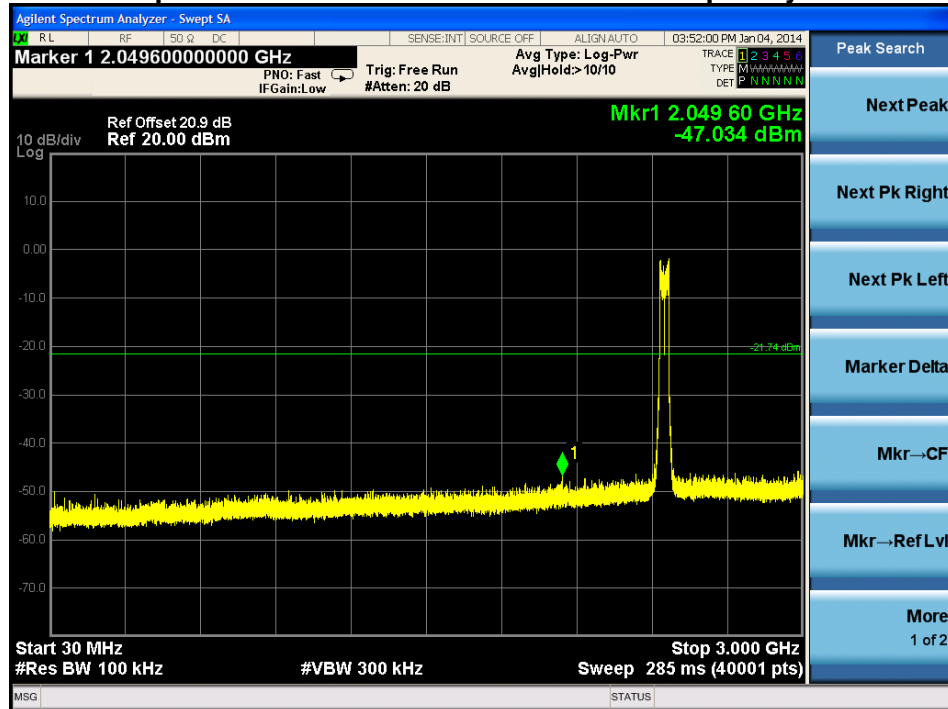
Reference Level - Frequency H



High Band Edge – Frequency H

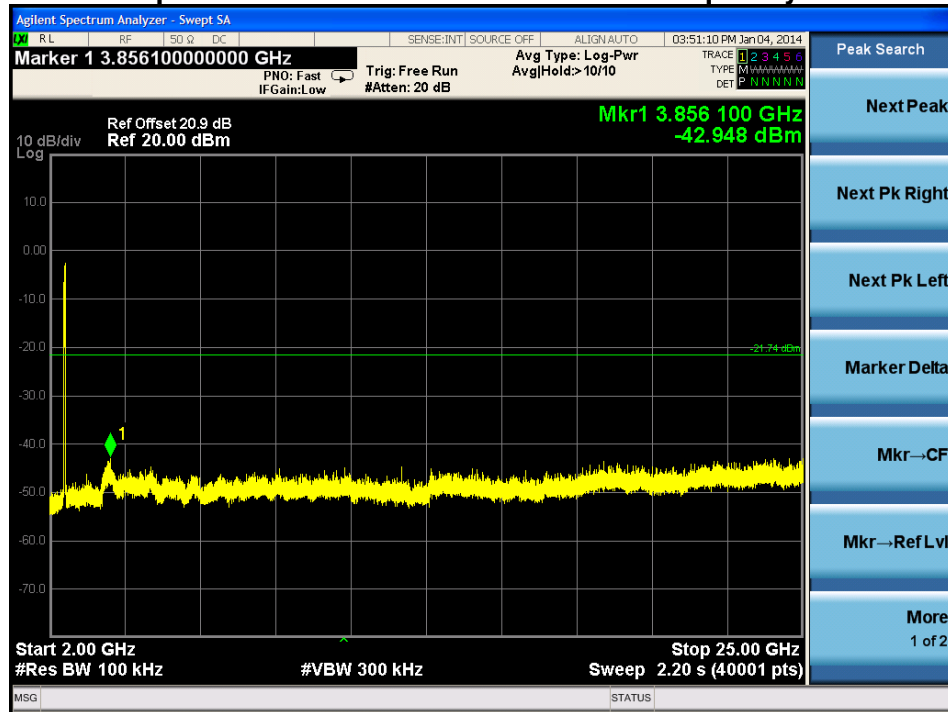


Spurious Emission 30MHz ~ 3GHz - Frequency H



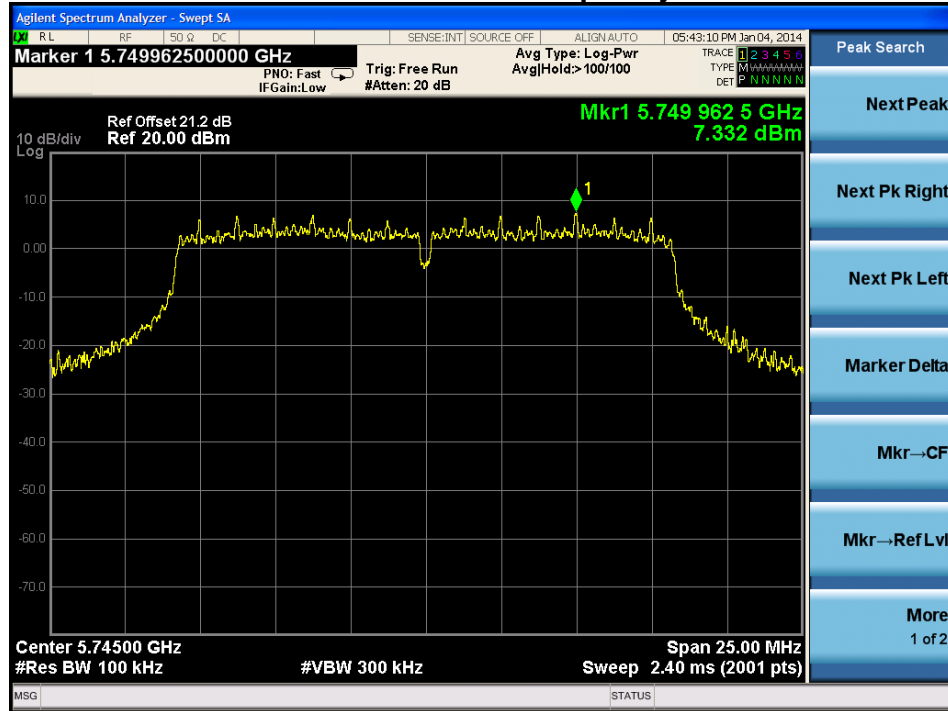


Spurious Emission 3GHz ~ 25GHz - Frequency H

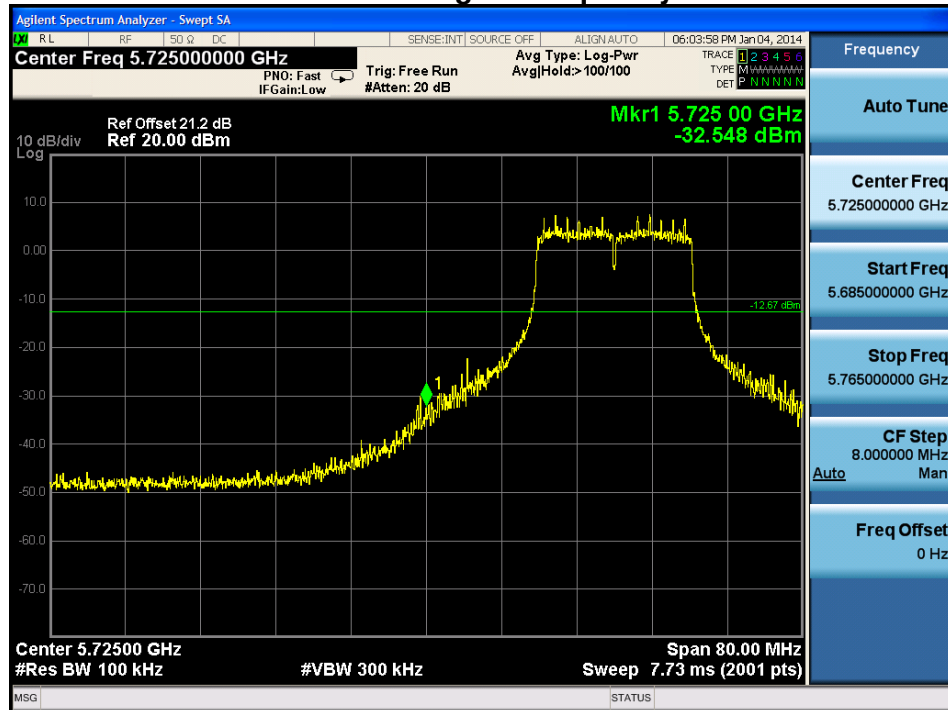


802.11a Out-of-Band Emissions – Chain 0 / Chain 0 + 1

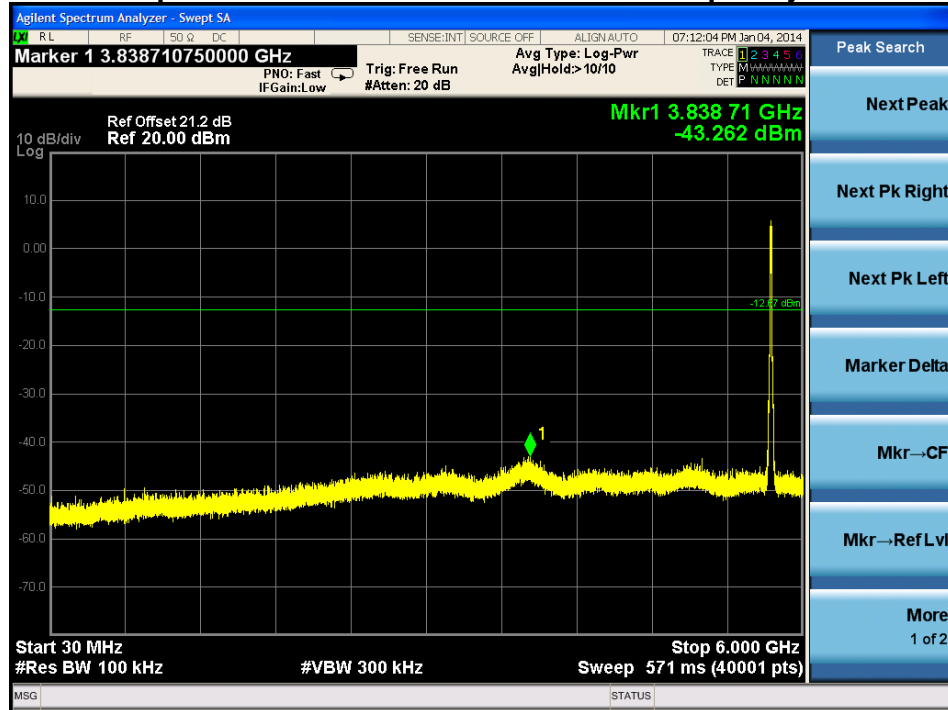
Reference Level - Frequency L



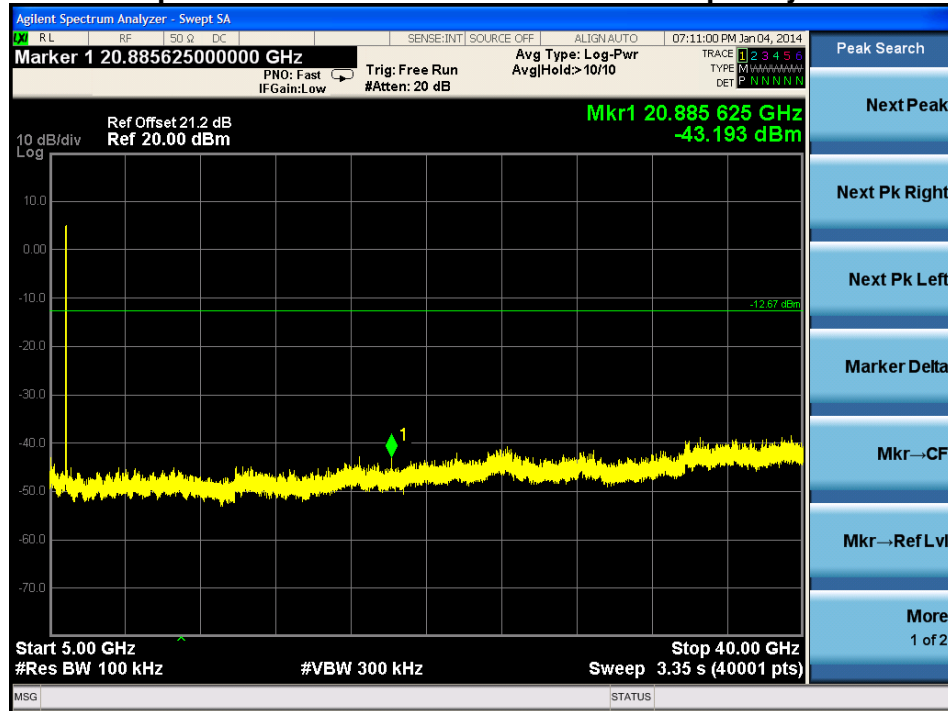
Low Band Edge – Frequency L



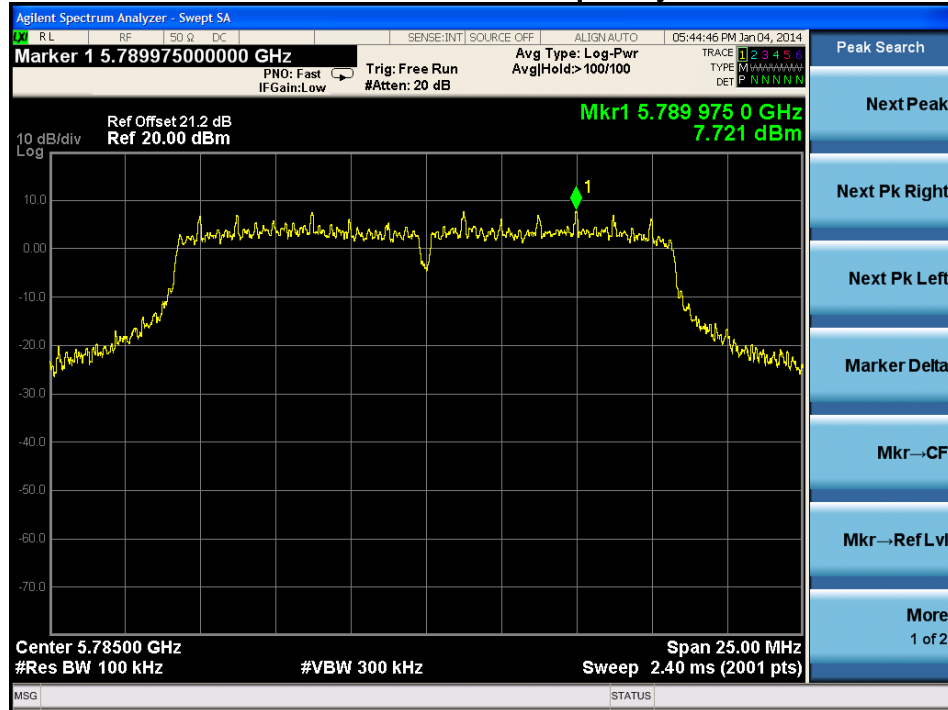
Spurious Emission 30MHz ~ 6GHz - Frequency L



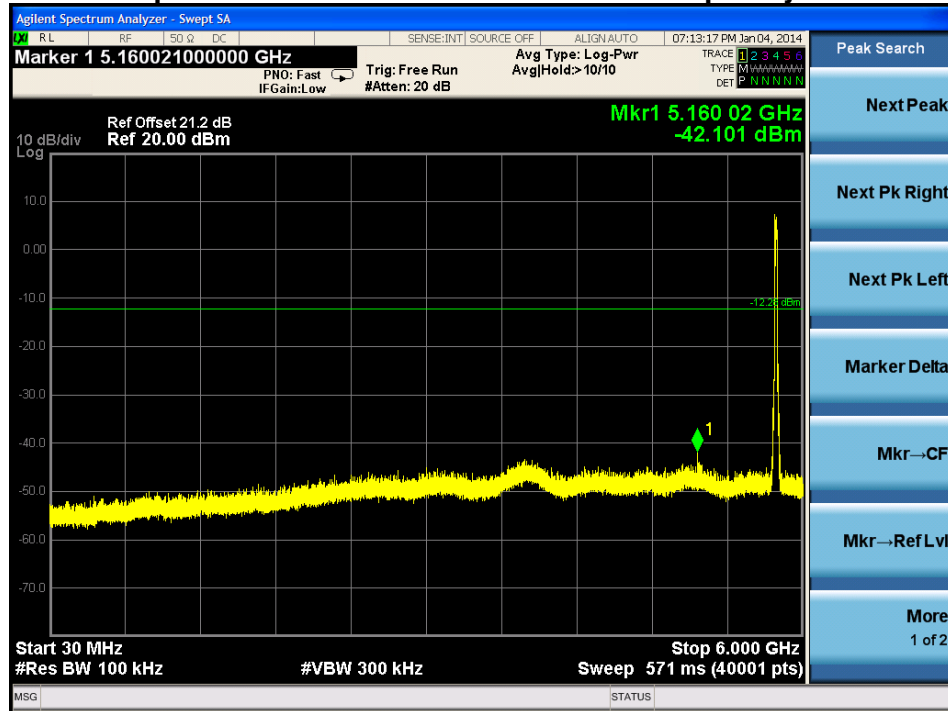
Spurious Emission 5GHz ~ 40GHz - Frequency L



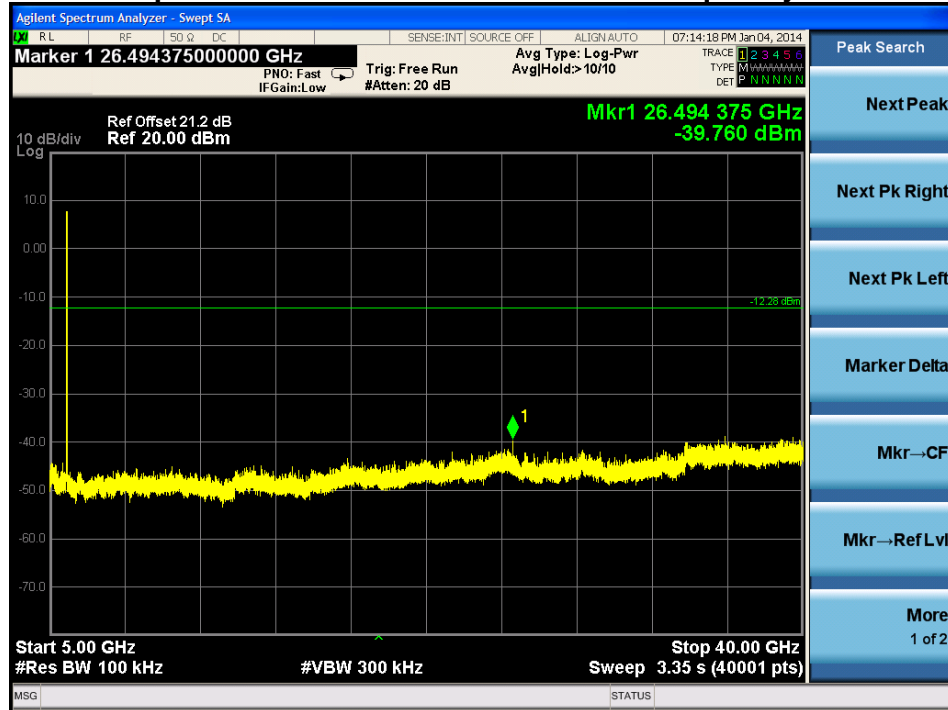
Reference Level - Frequency M



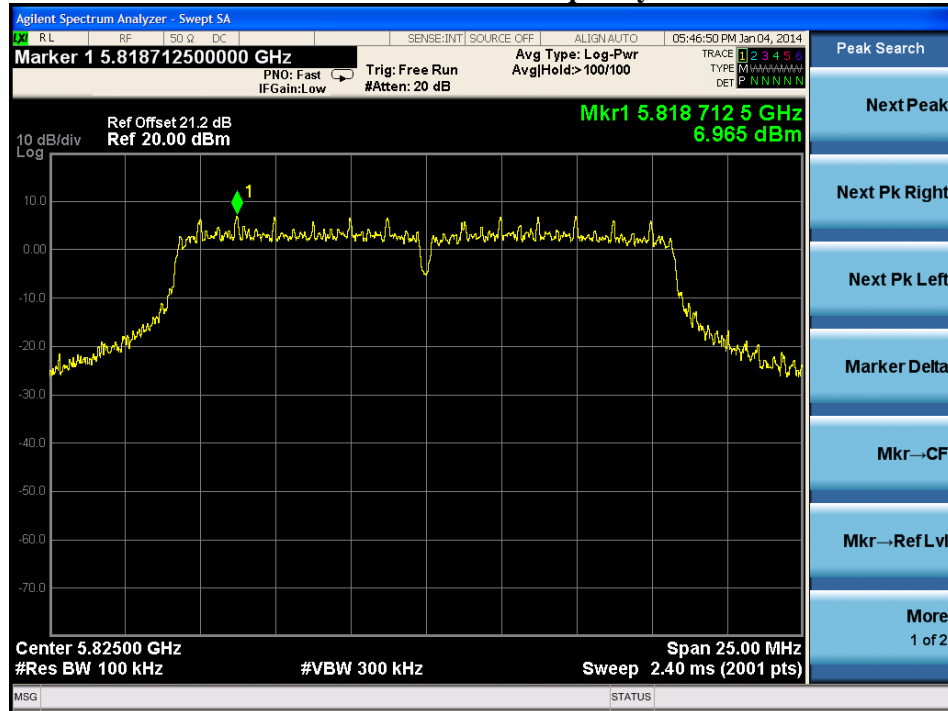
Spurious Emission 30MHz ~ 6GHz - Frequency M



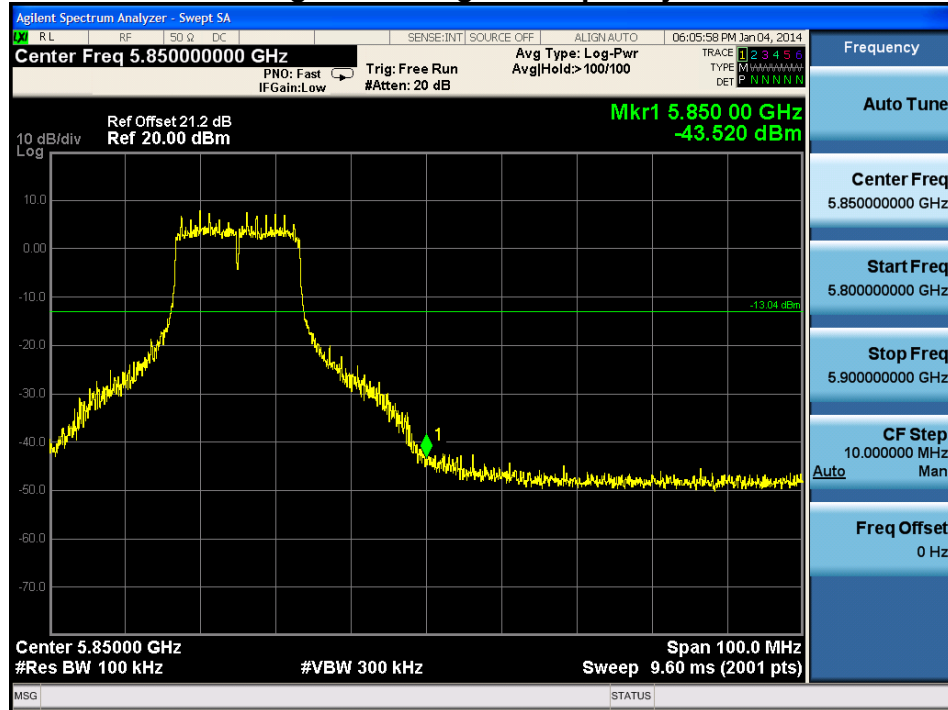
Spurious Emission 5GHz ~ 40GHz - Frequency M



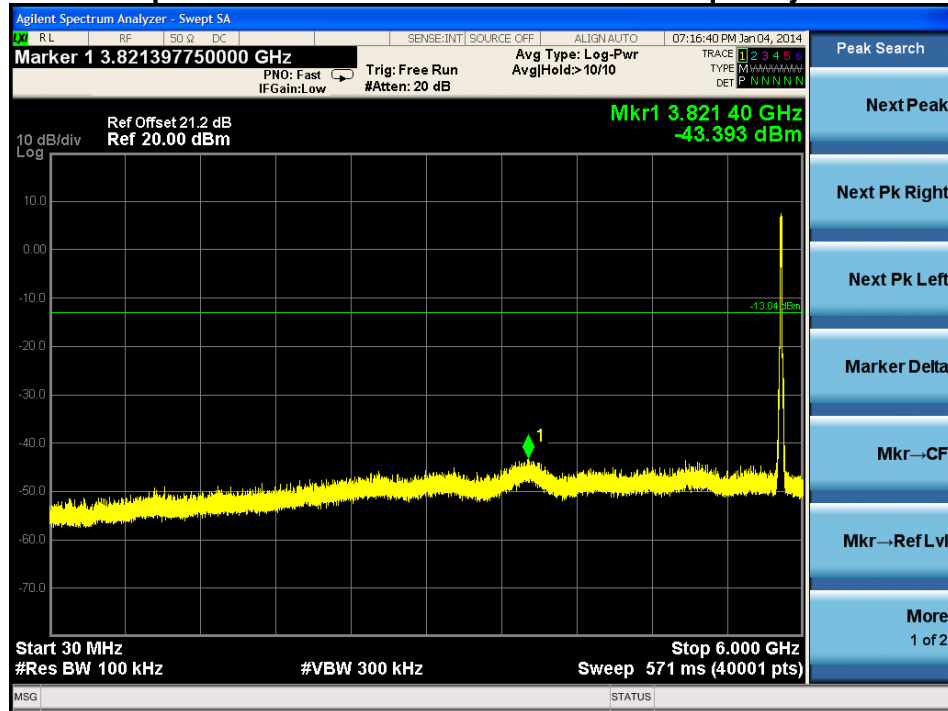
Reference Level - Frequency H



High Band Edge – Frequency H

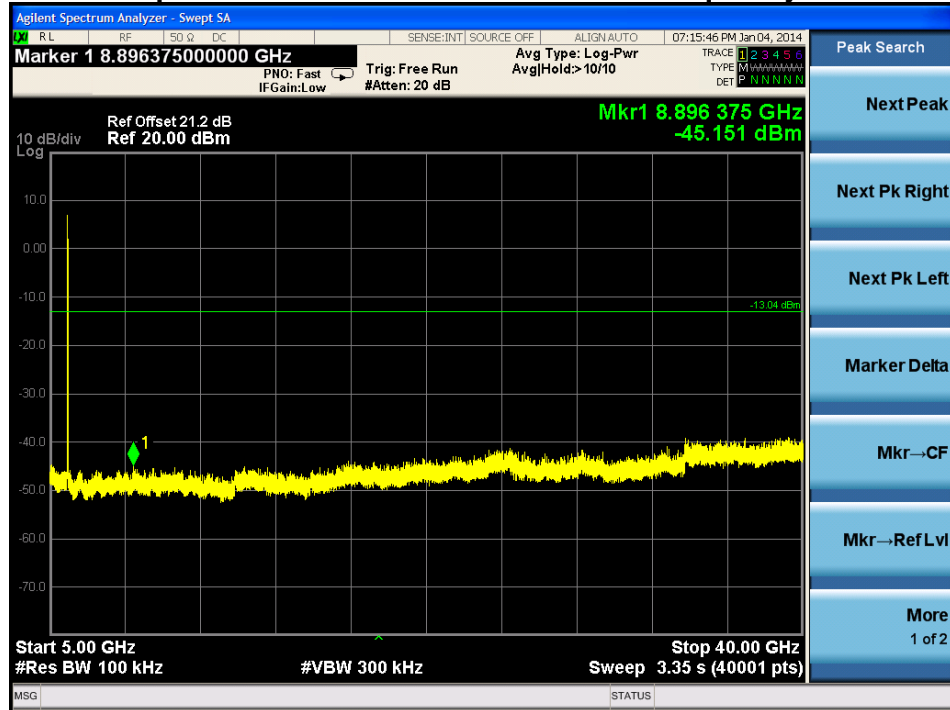


Spurious Emission 30MHz ~ 6GHz – Frequency H





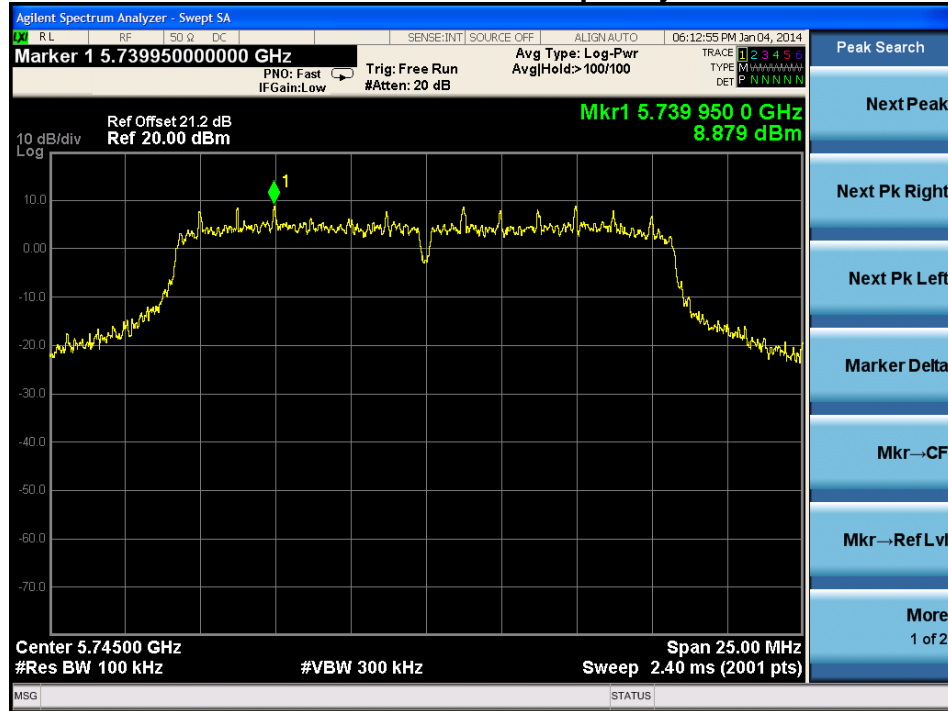
Spurious Emission 5GHz ~ 40GHz - Frequency H



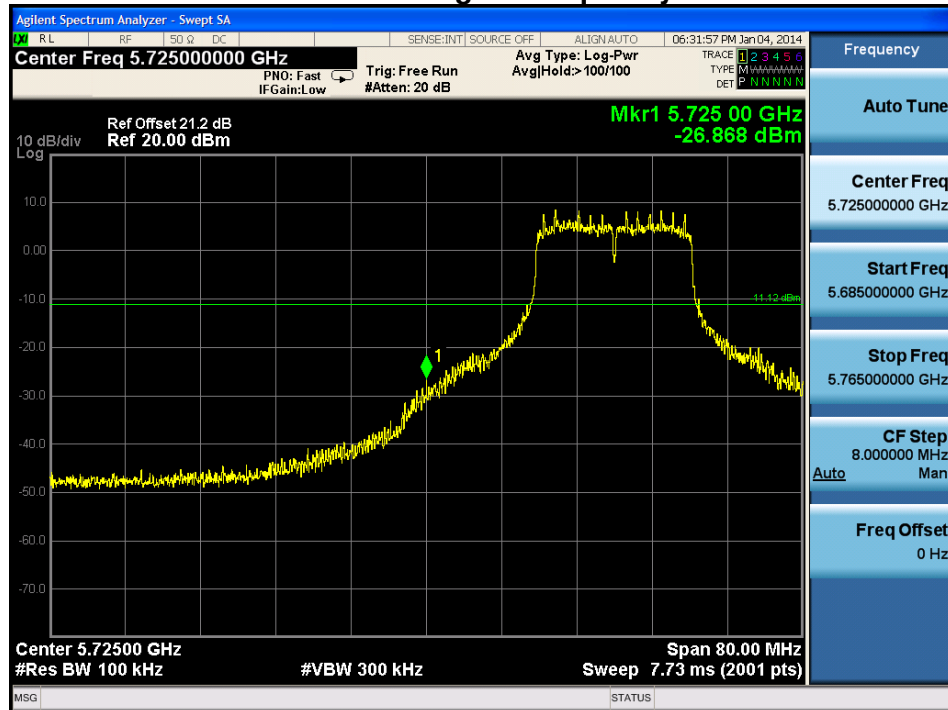


802.11a Out-of-Band Emissions – Chain 1 / Chain 0 + 1

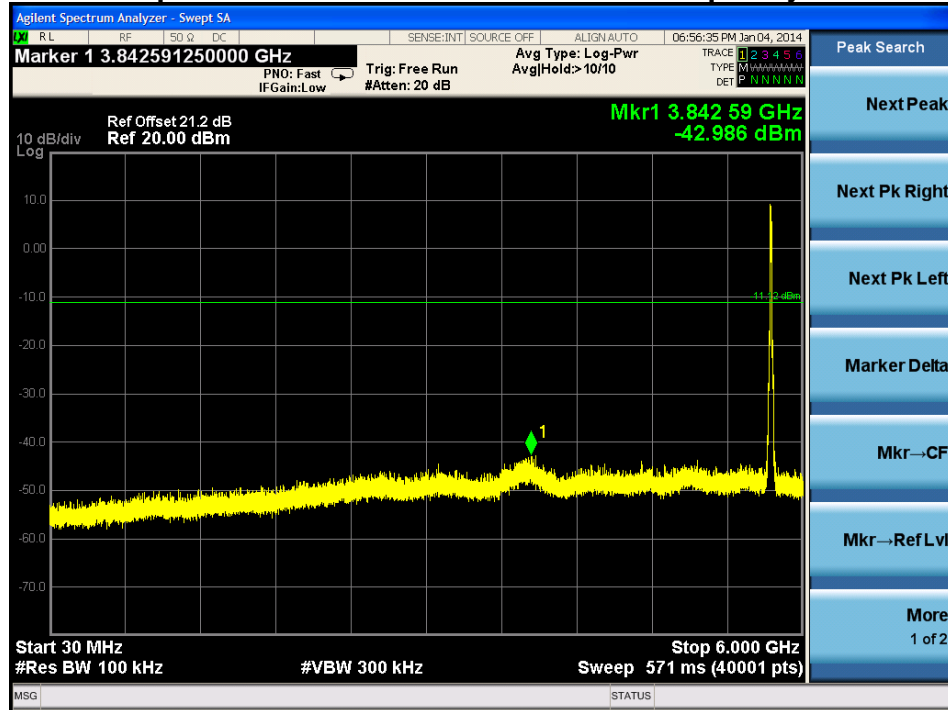
Reference Level - Frequency L



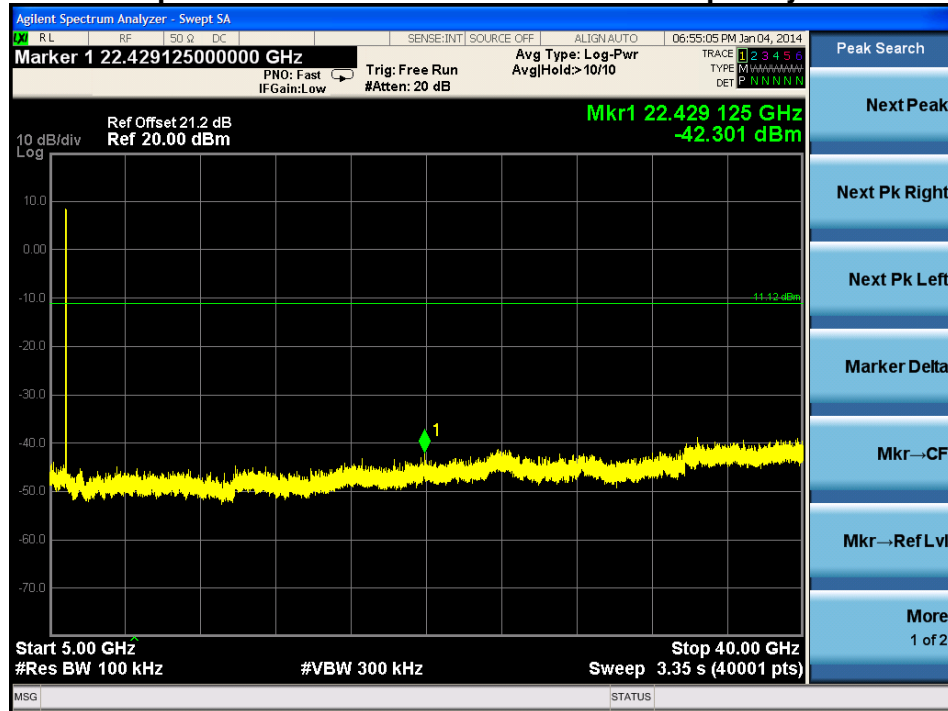
Low Band Edge – Frequency L



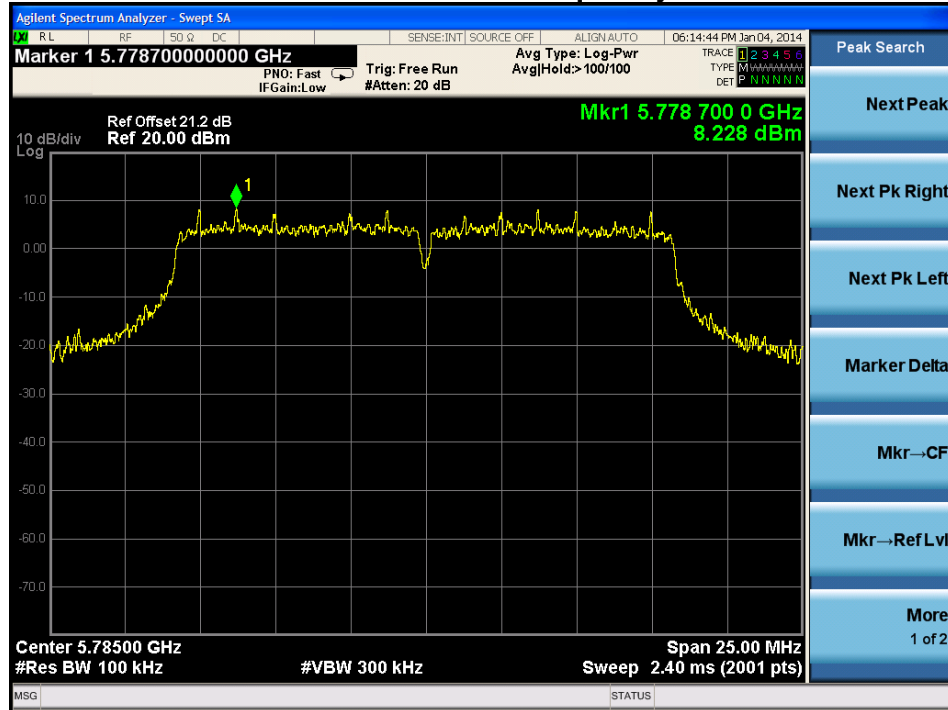
Spurious Emission 30MHz ~ 6GHz - Frequency L



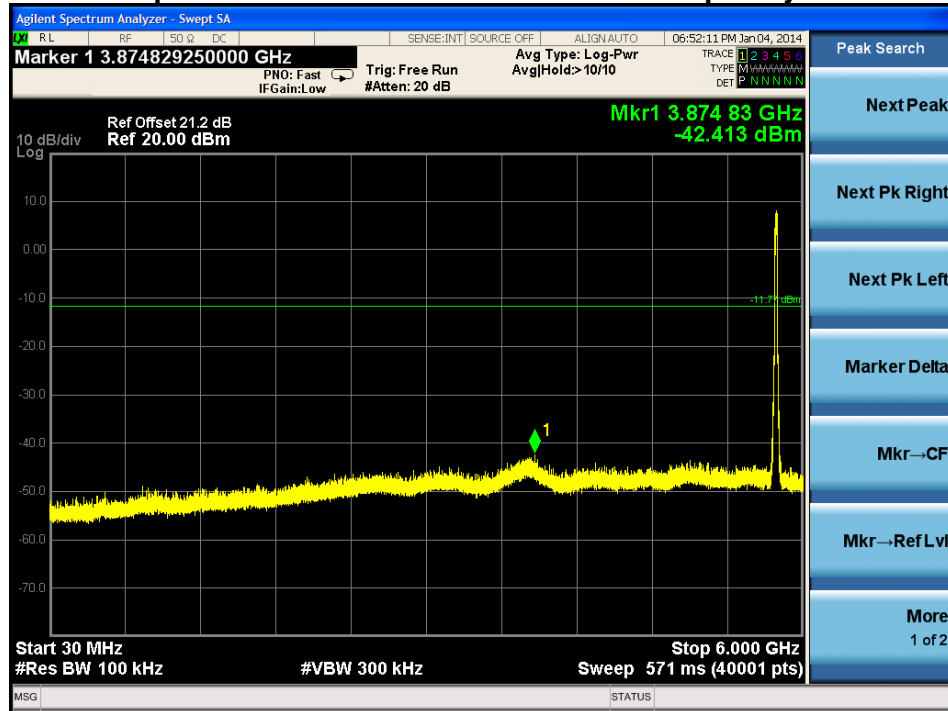
Spurious Emission 5GHz ~ 40GHz - Frequency L



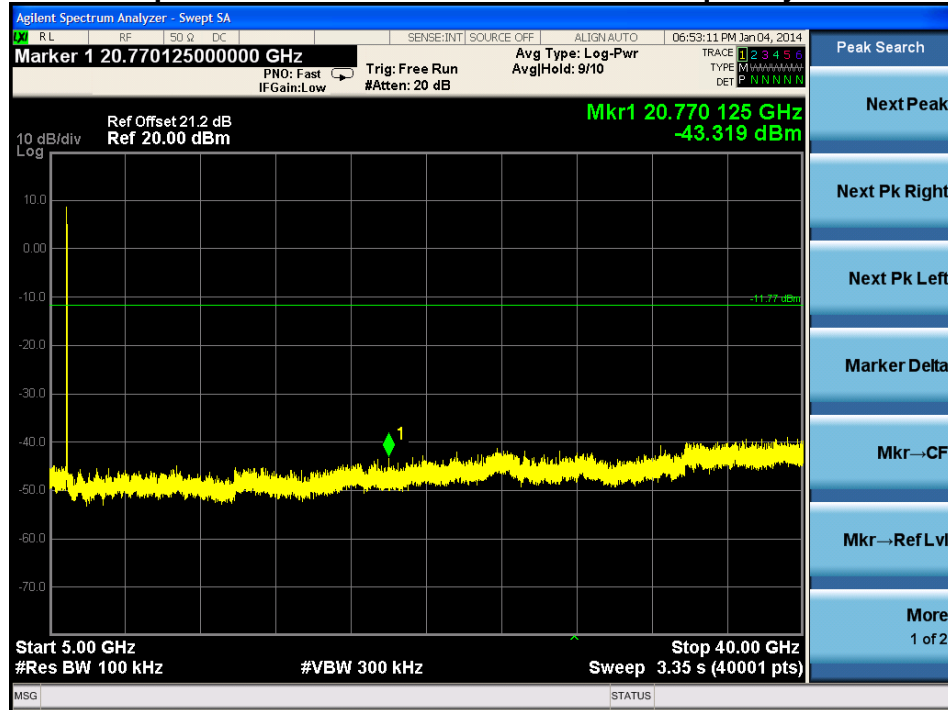
Reference Level - Frequency M



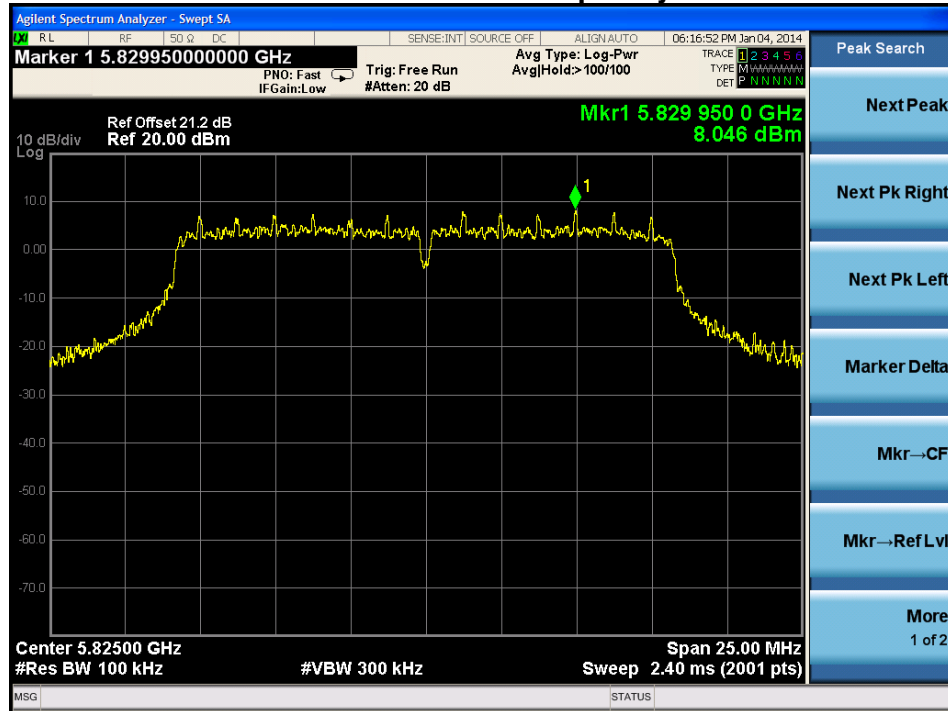
Spurious Emission 30MHz ~ 6GHz - Frequency M



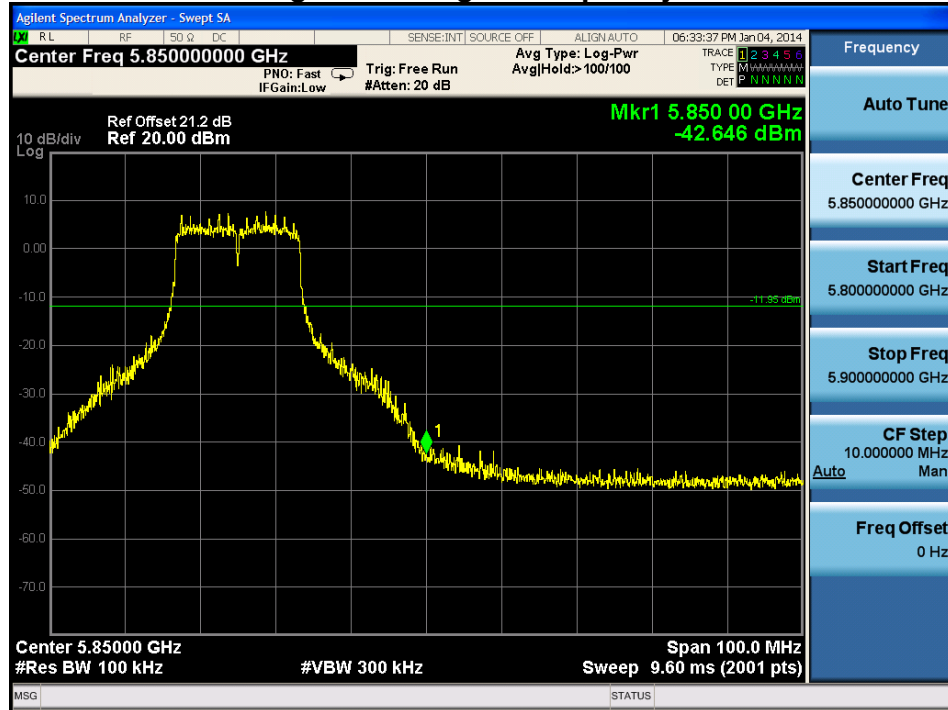
Spurious Emission 5GHz ~ 40GHz - Frequency M



Reference Level - Frequency H



High Band Edge – Frequency H



Spurious Emission 30MHz ~ 6GHz - Frequency H

