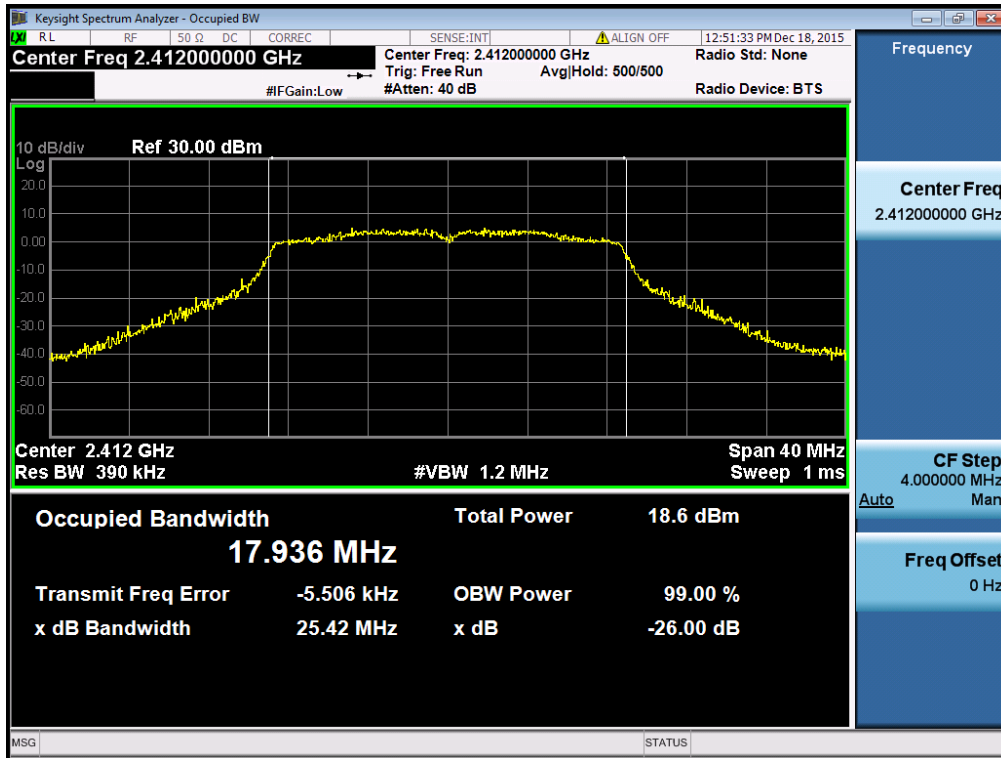


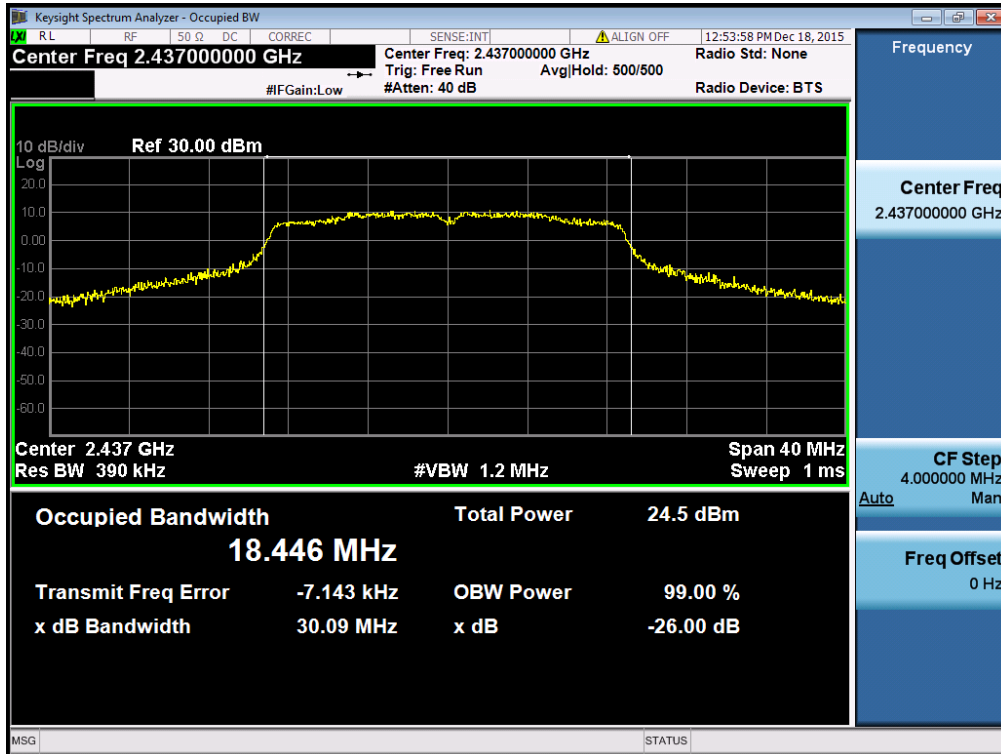
Occupied Bandwidth

TM 3 & ANT 1 & Lowest



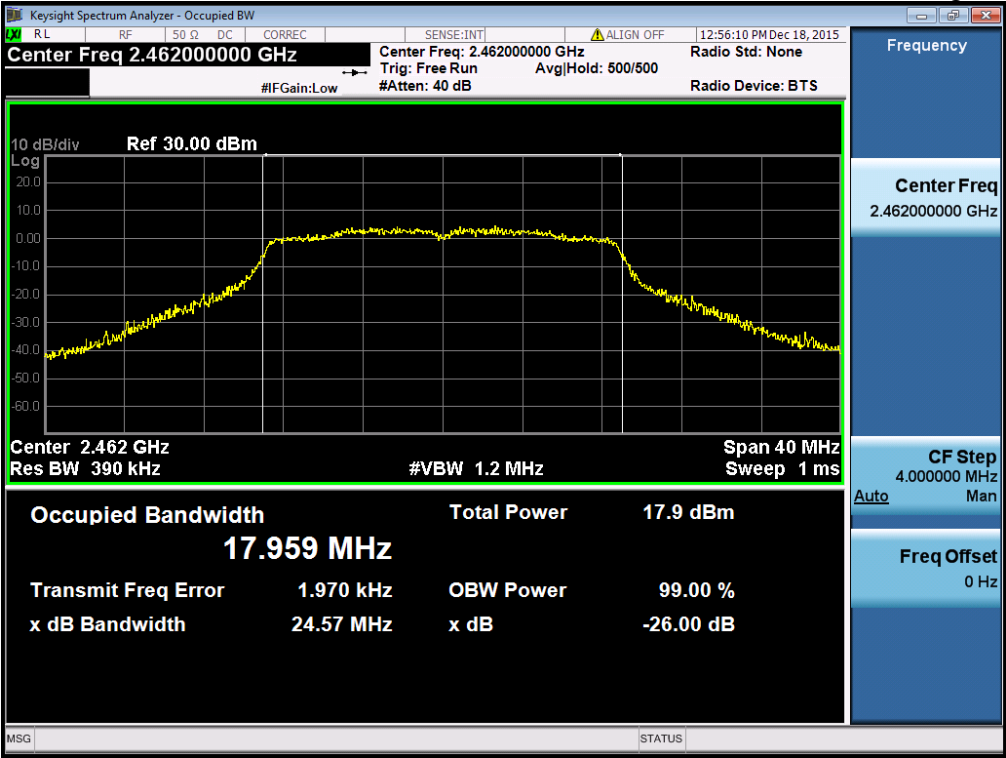
Occupied Bandwidth

TM 3 & ANT 1 & Middle



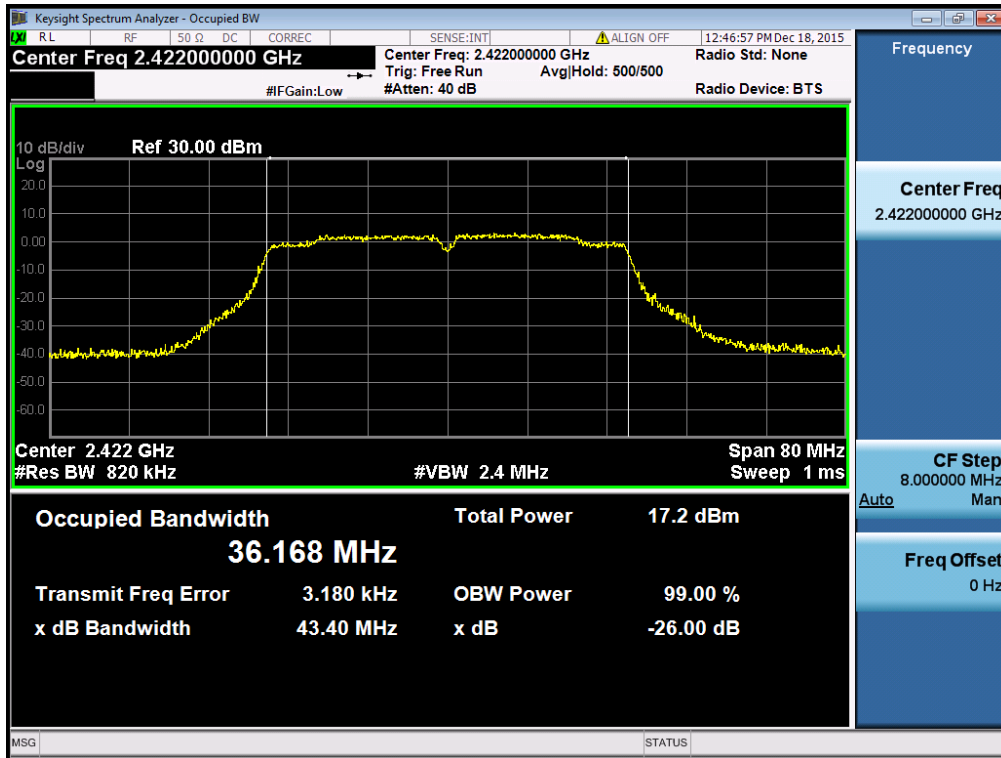


Occupied Bandwidth TM 3 & ANT 1 & Highest



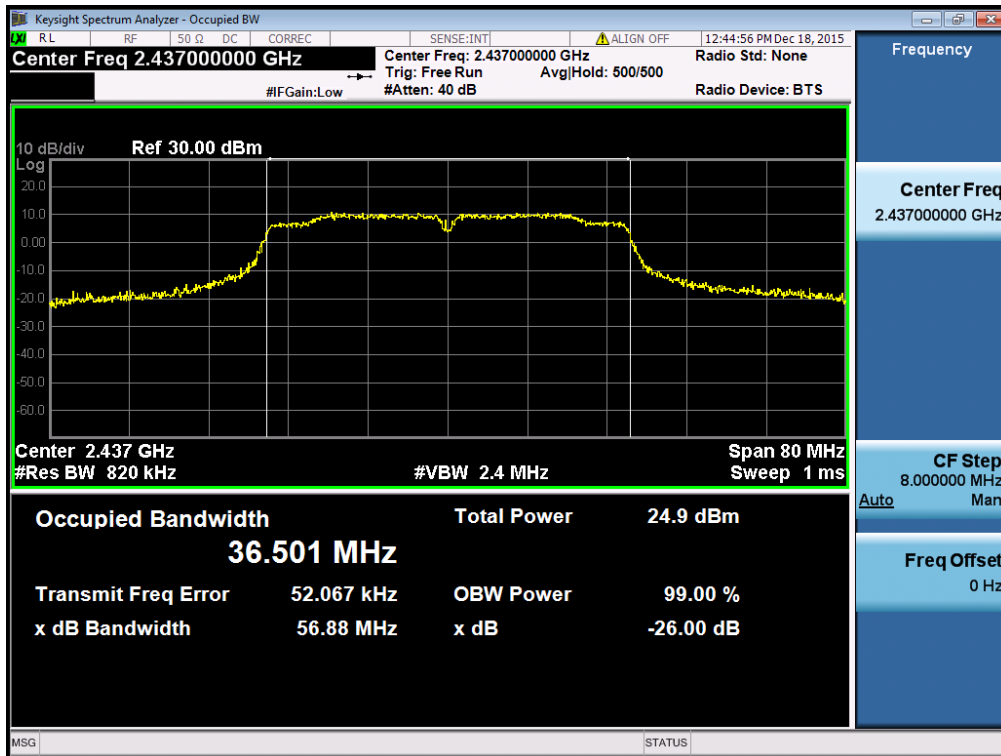
Occupied Bandwidth

TM 4 & ANT 1 & Lowest



Occupied Bandwidth

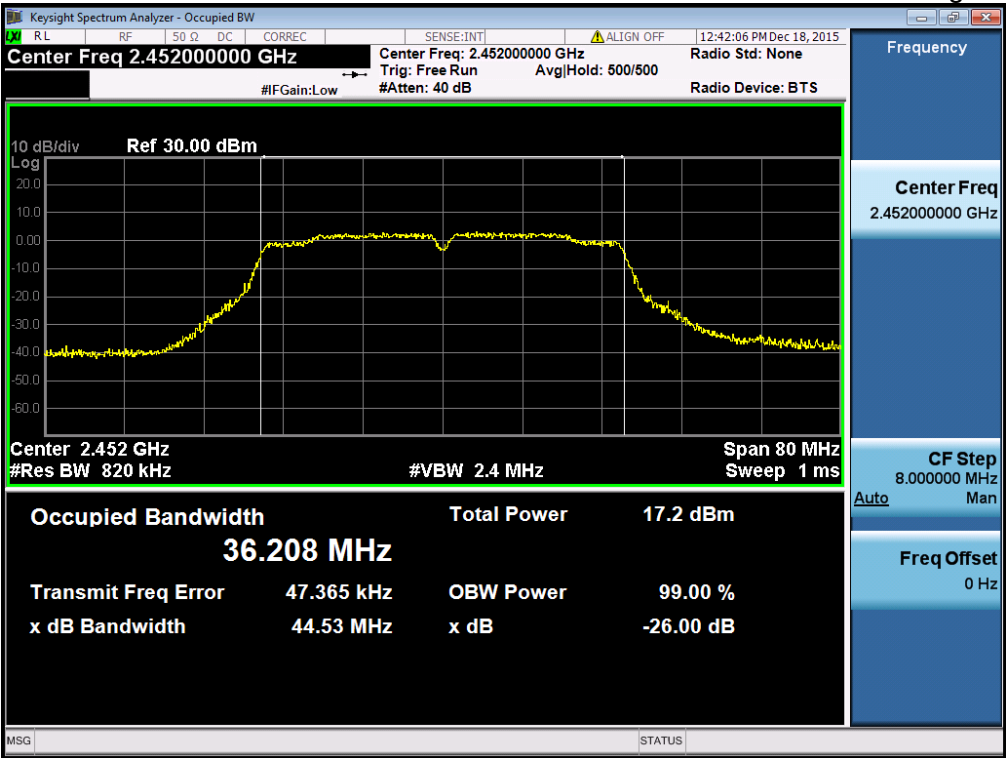
TM 4 & ANT 1 & Middle





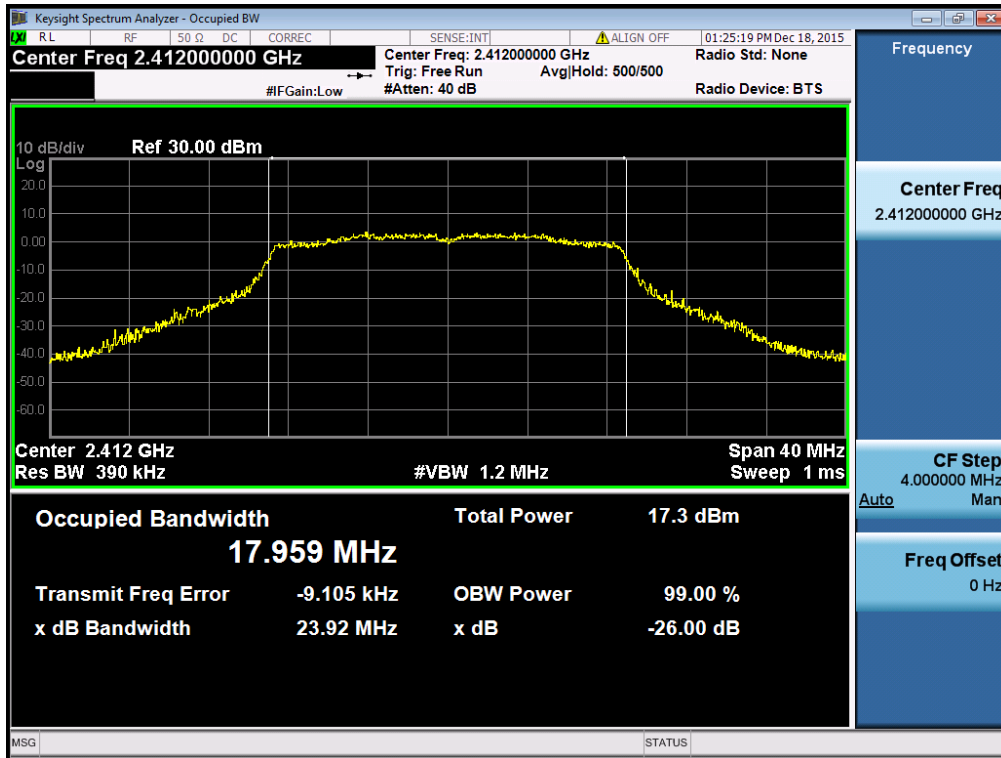
Occupied Bandwidth

TM 4 & ANT 1 & Highest



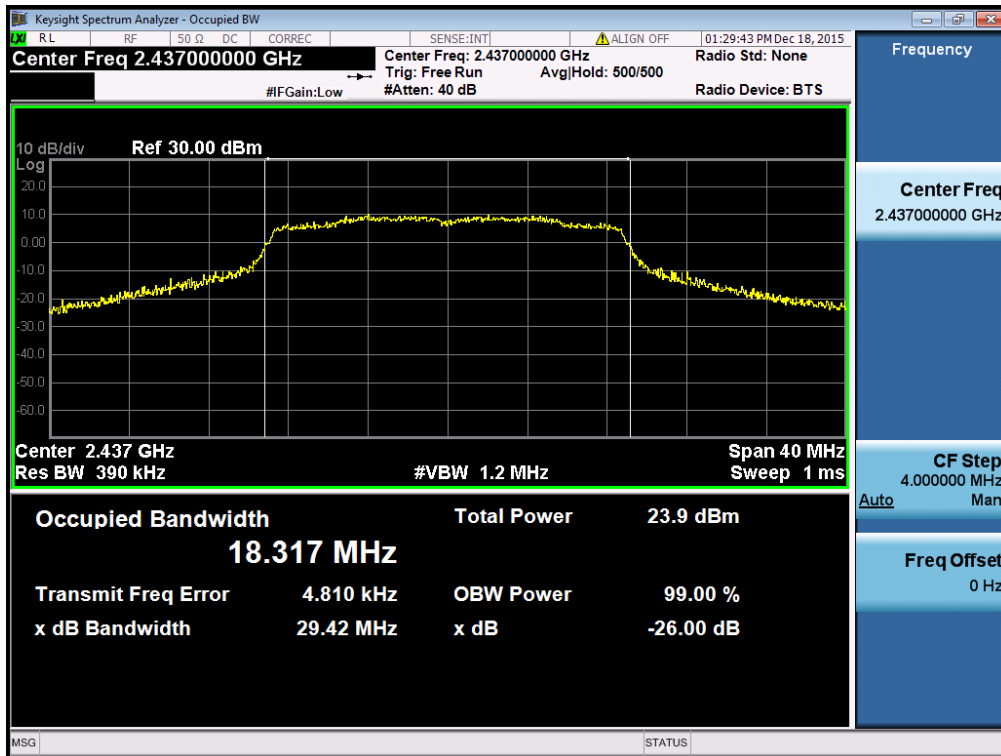
Occupied Bandwidth

TM 5 & ANT 1 & Lowest



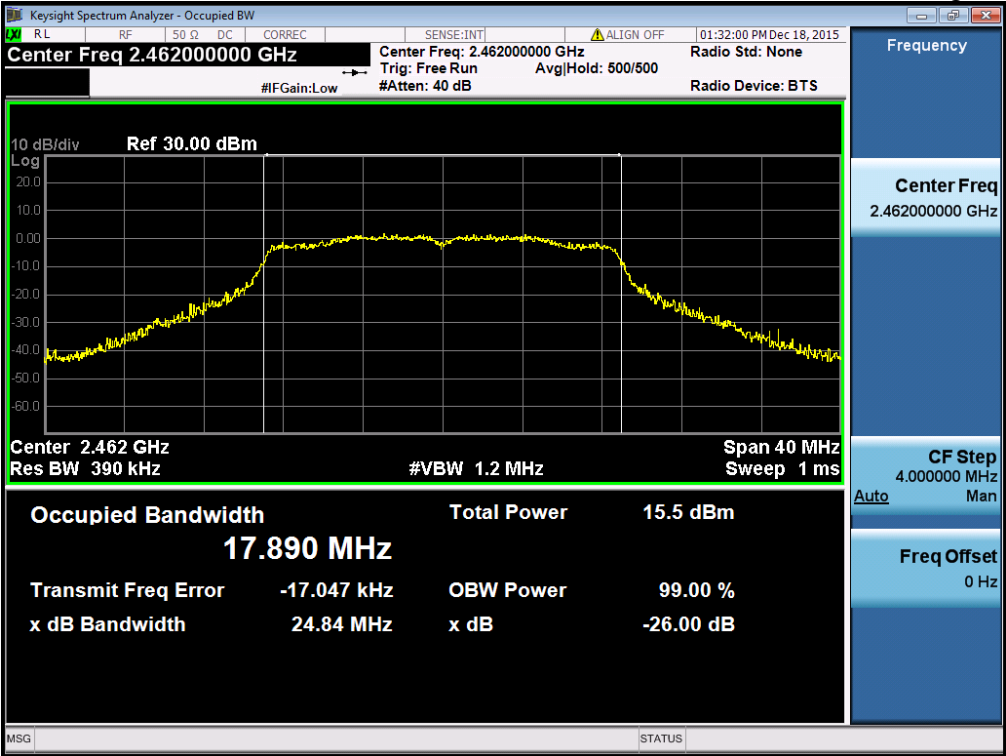
Occupied Bandwidth

TM 5 & ANT 1 & Middle



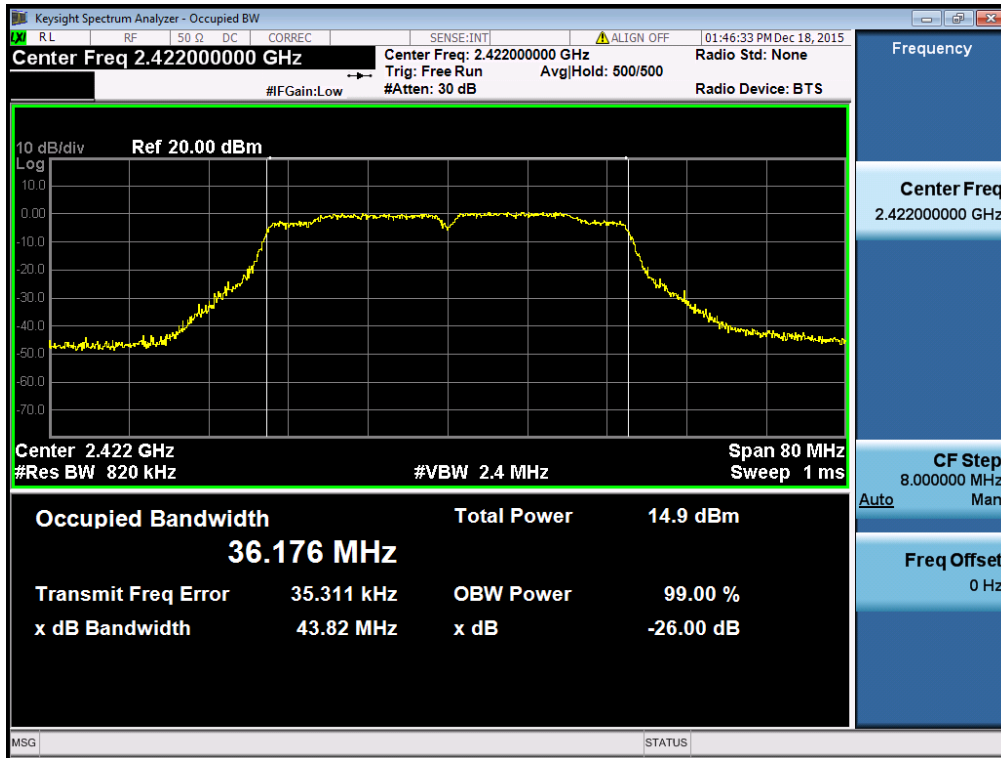


Occupied Bandwidth TM 5 & ANT 1 & Highest



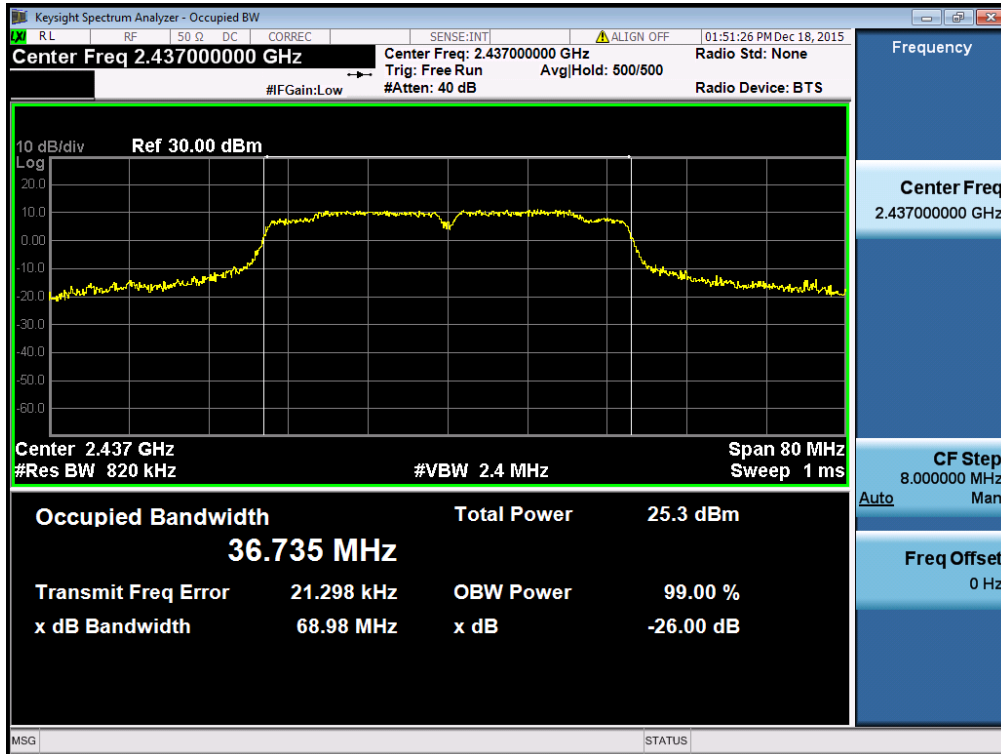
Occupied Bandwidth

TM 6 & ANT 1 & Lowest



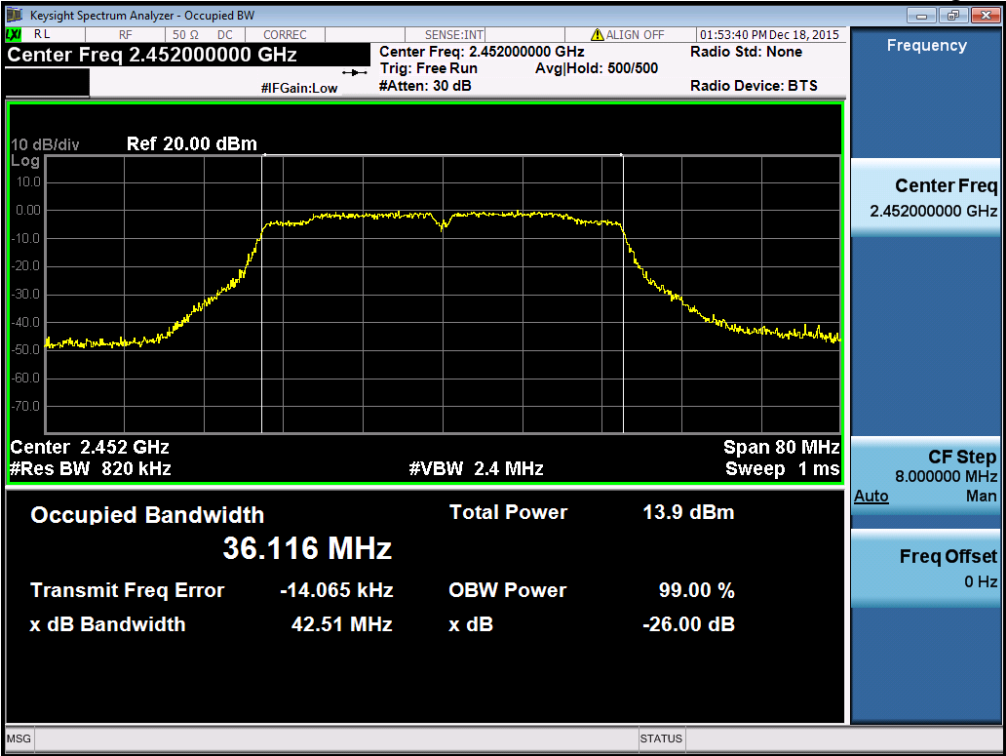
Occupied Bandwidth

TM 6 & ANT 1 & Middle



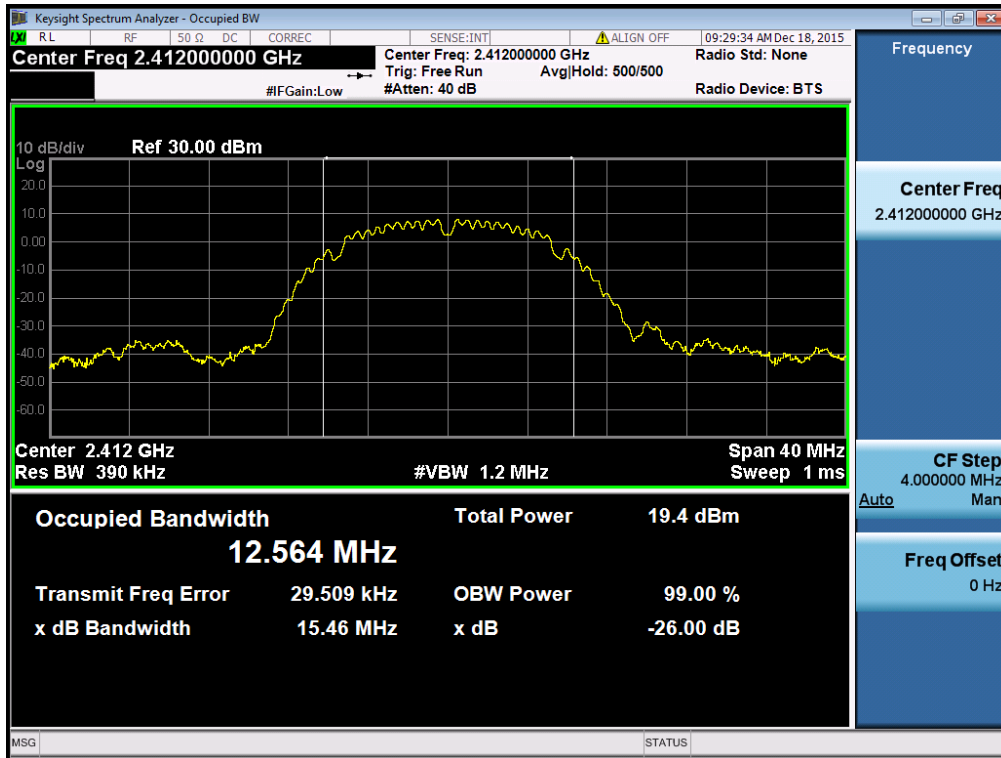


Occupied Bandwidth TM 6 & ANT 1 & Highest



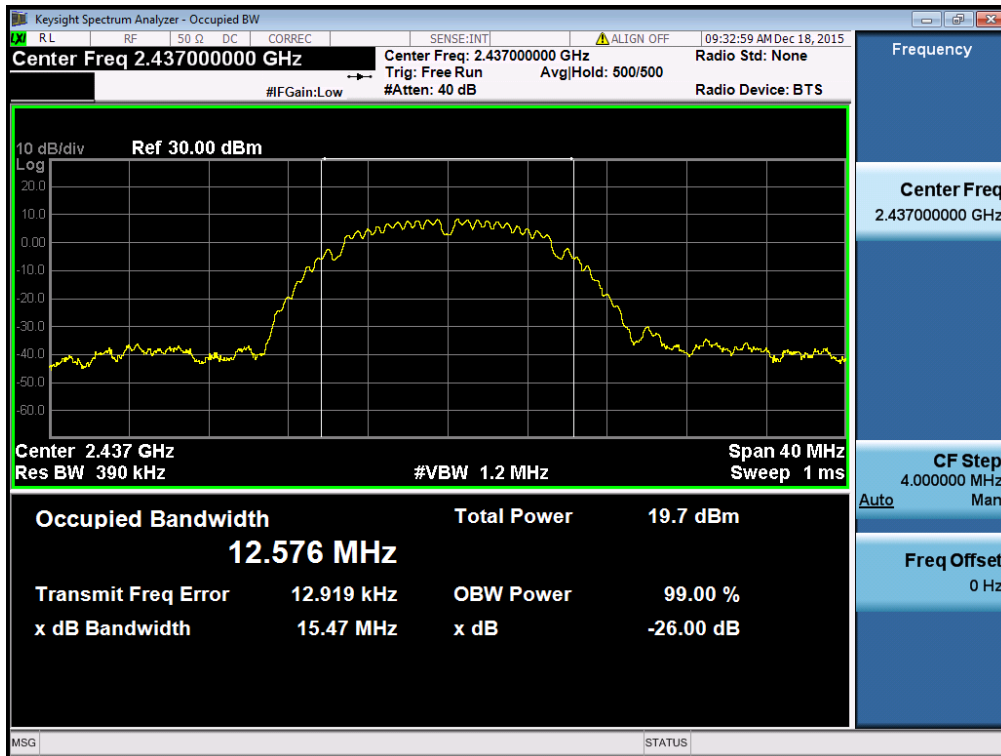
Occupied Bandwidth

TM 1 & ANT 2 & Lowest



Occupied Bandwidth

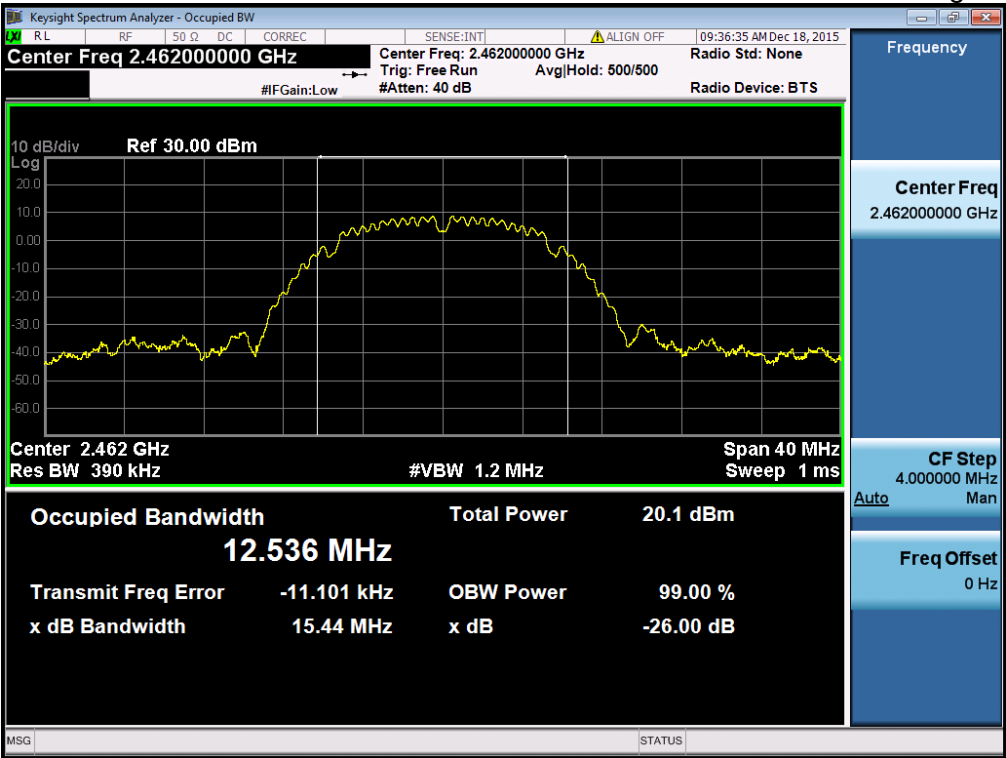
TM 1 & ANT 2 & Middle





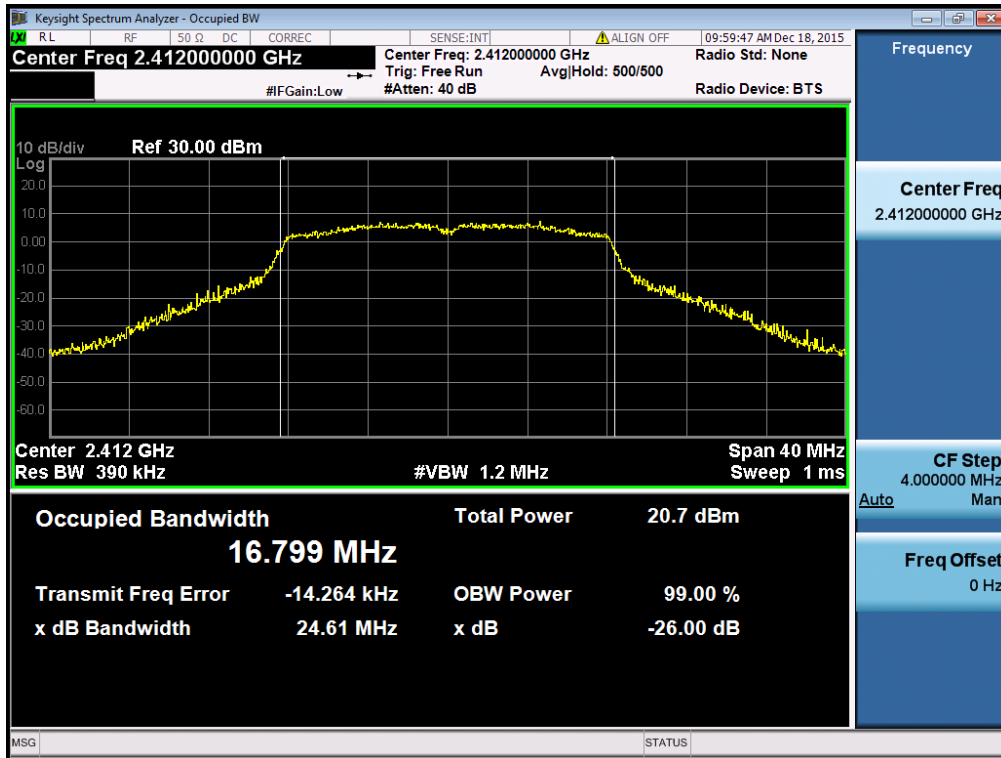
Occupied Bandwidth

TM 1 & ANT 2 & Highest



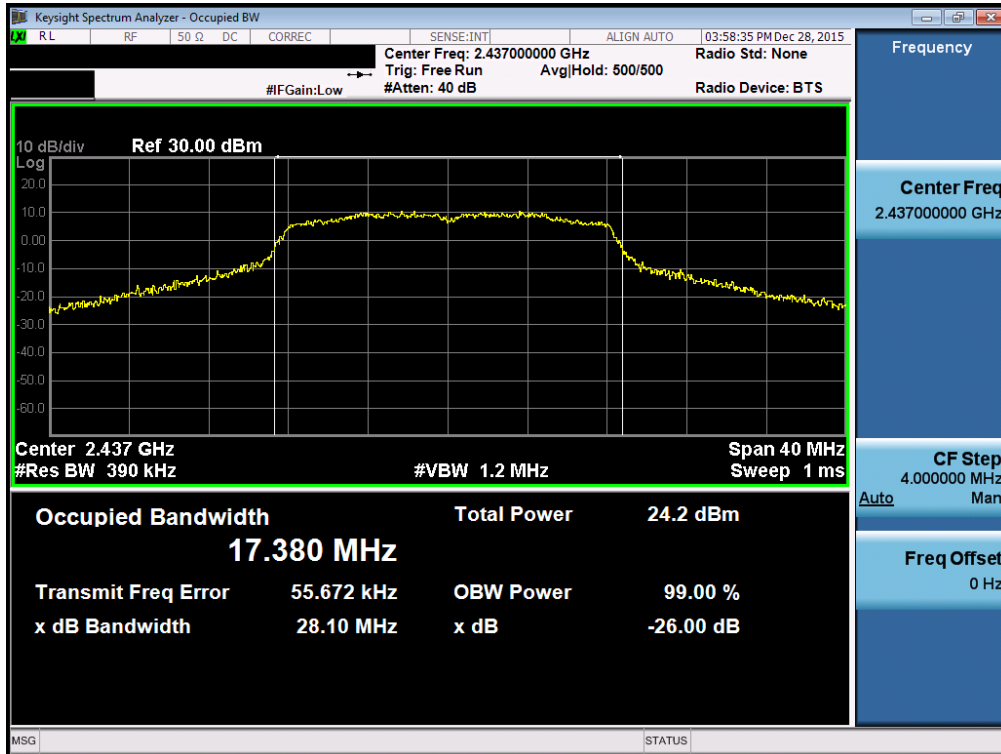
Occupied Bandwidth

TM 2 & ANT 2 & Lowest



Occupied Bandwidth

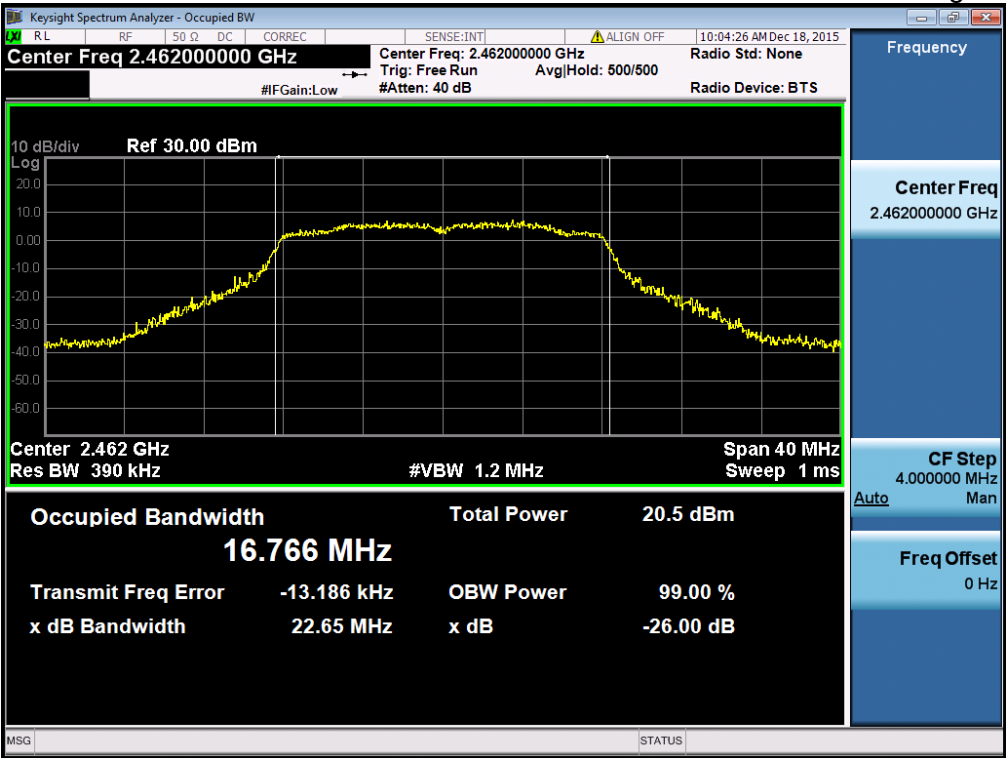
TM 2 & ANT 2 & Middle





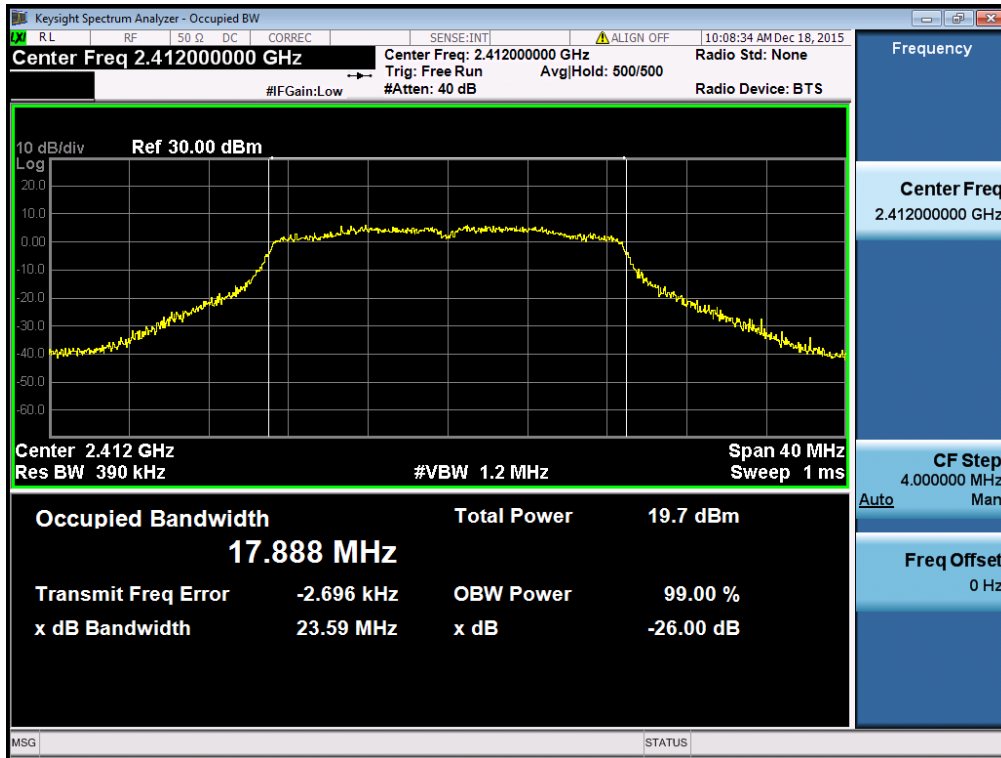
Occupied Bandwidth

TM 2 & ANT 2 & Highest



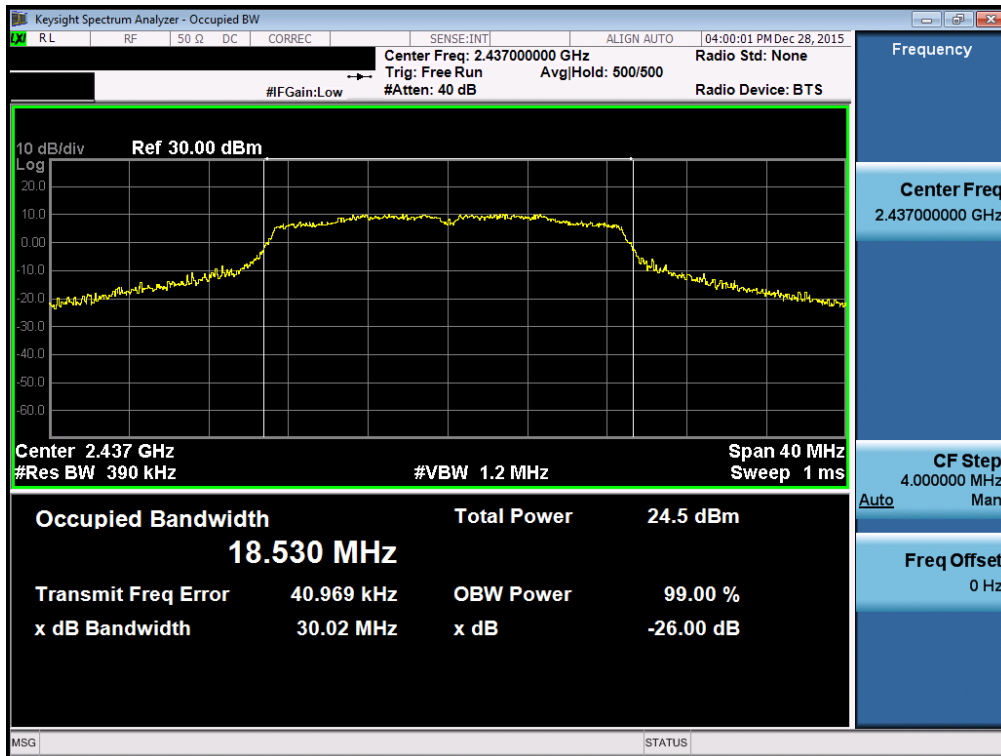
Occupied Bandwidth

TM 3 & ANT 2 & Lowest



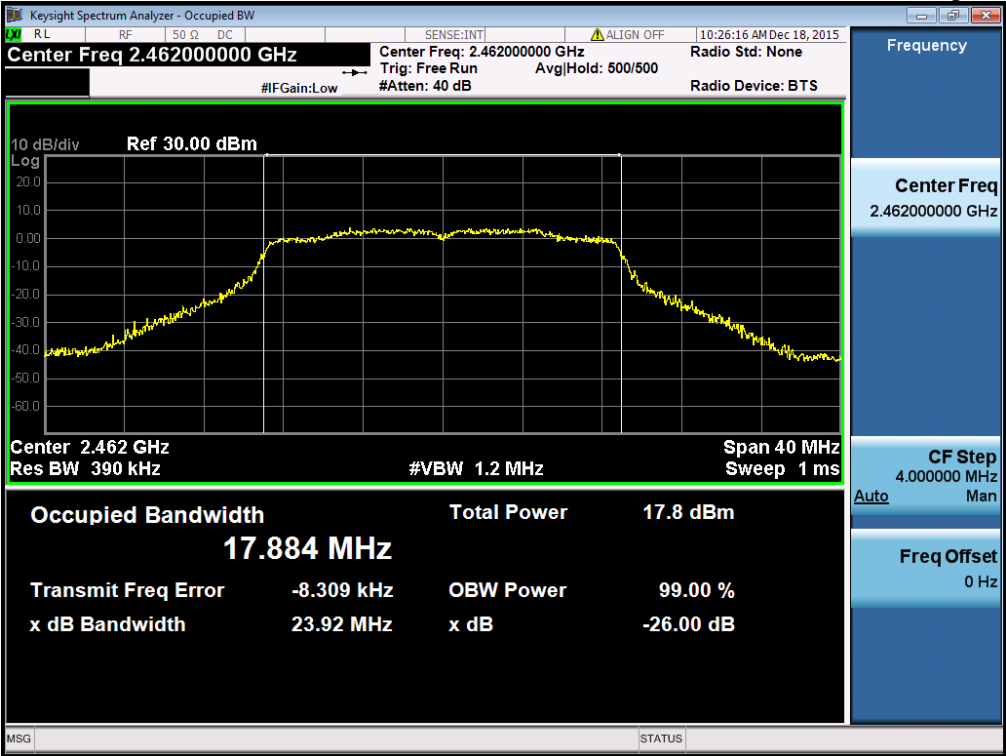
Occupied Bandwidth

TM 3 & ANT 2 & Middle



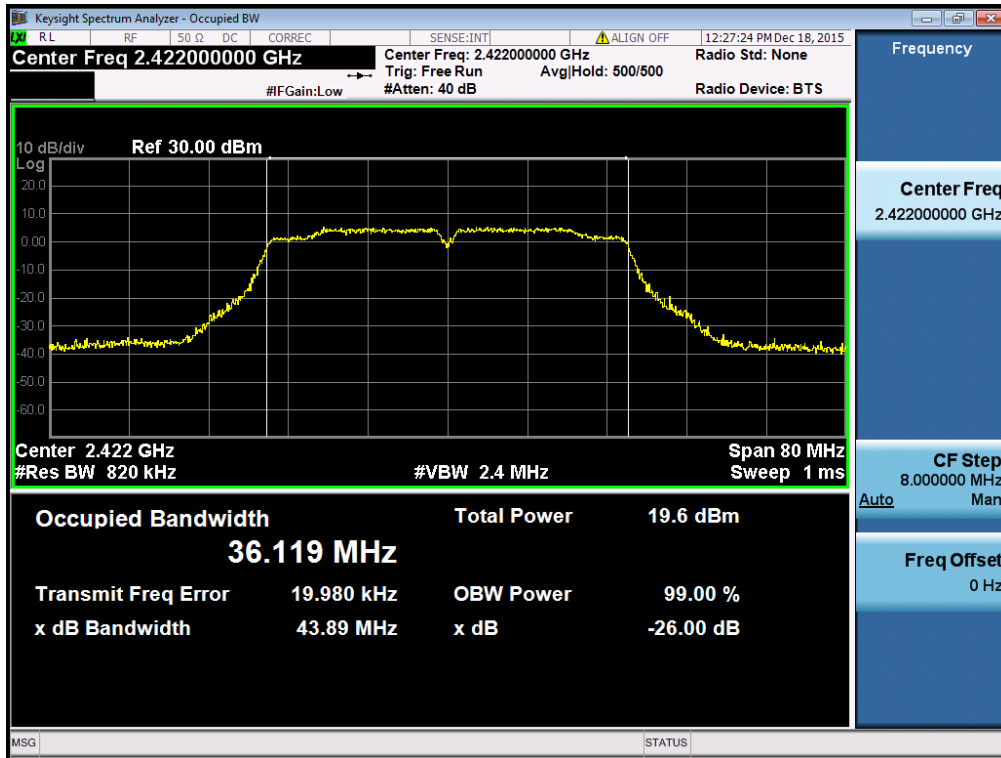


Occupied Bandwidth TM 3 & ANT 2 & Highest



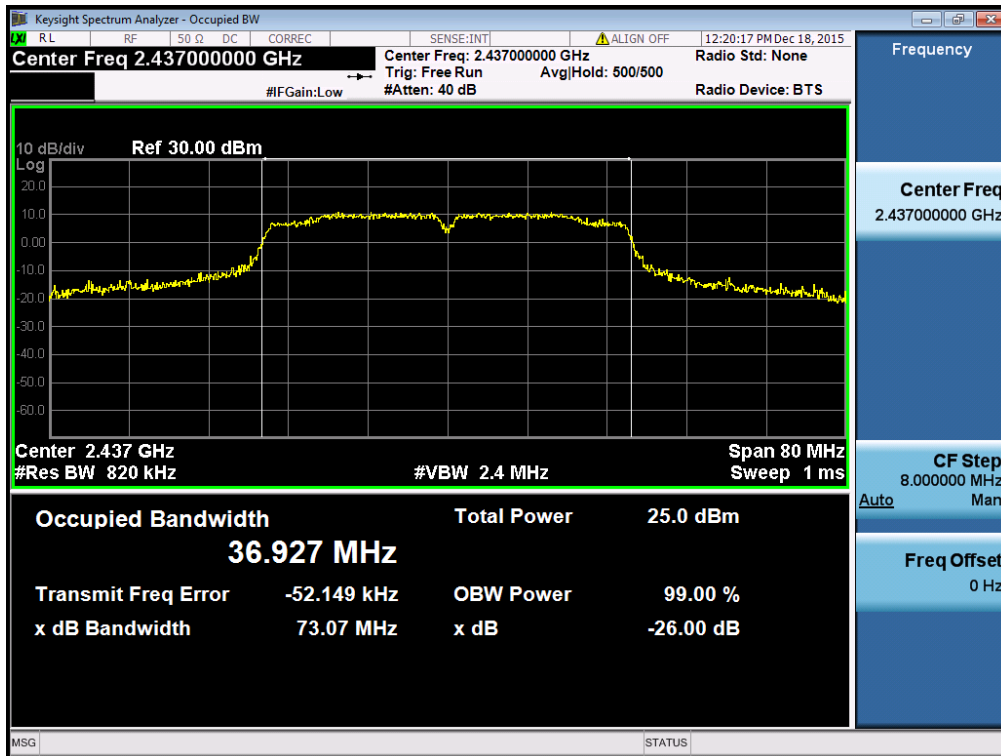
Occupied Bandwidth

TM 4 & ANT 2 & Lowest

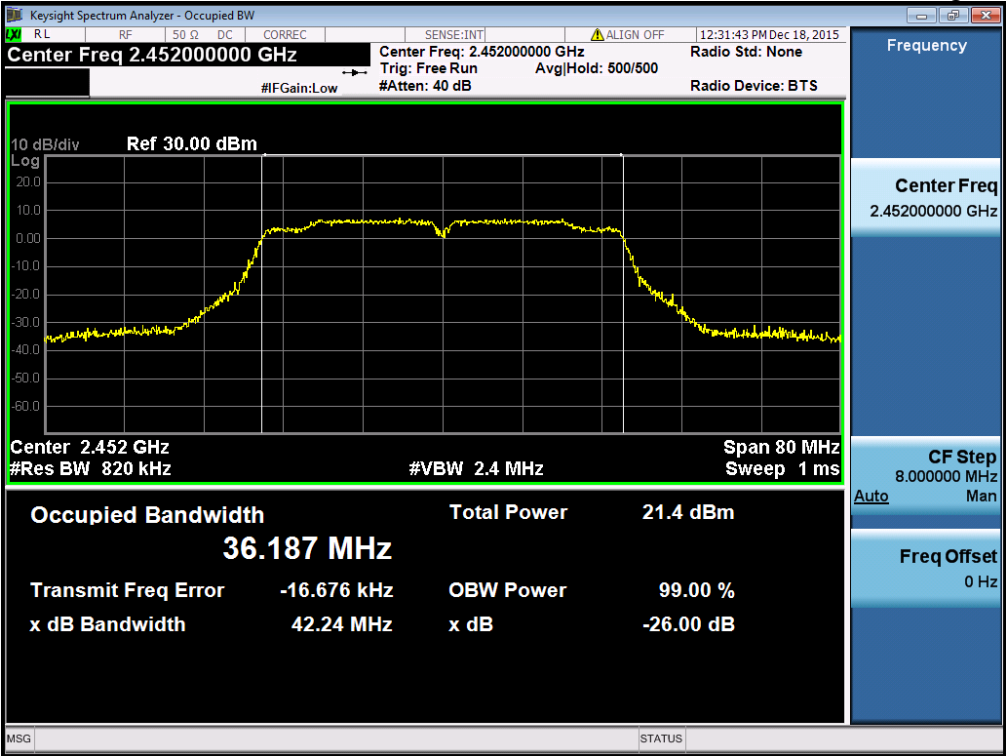


Occupied Bandwidth

TM 4 & ANT 2 & Middle

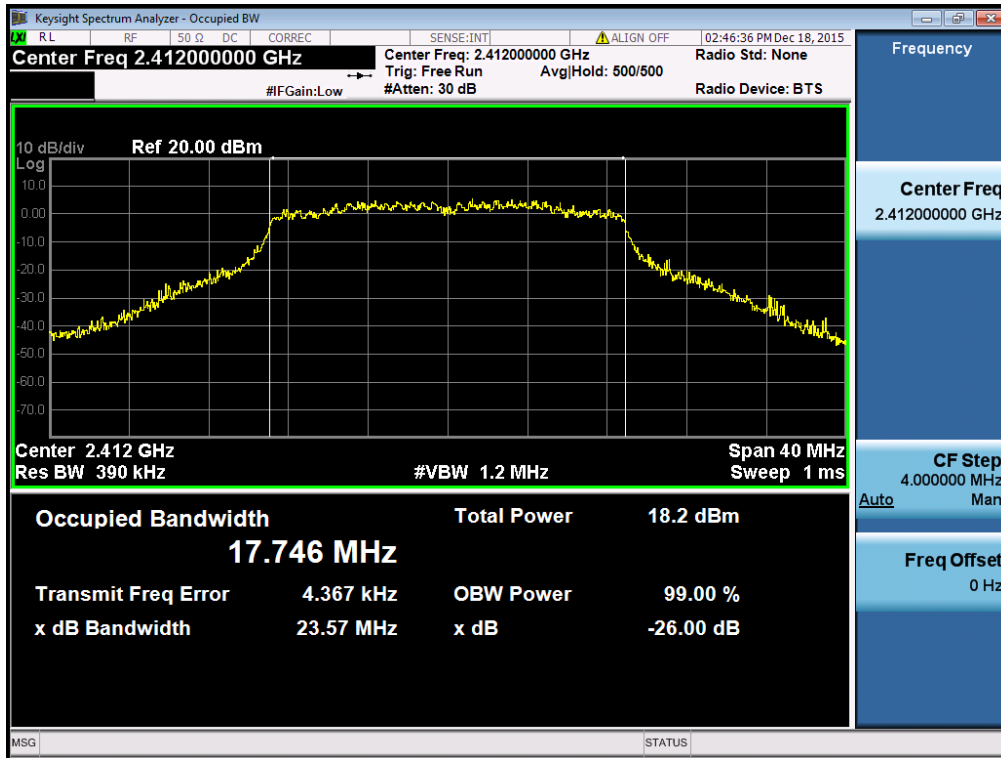


Occupied Bandwidth TM 4 & ANT 2 & Highest



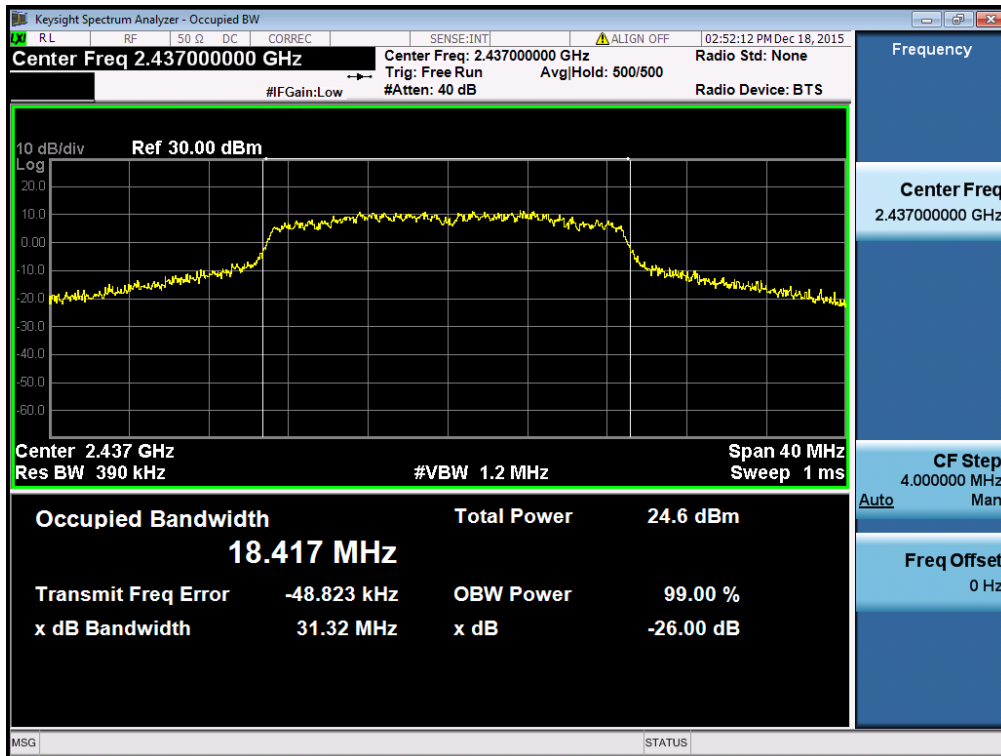
Occupied Bandwidth

TM 5 & ANT 2 & Lowest



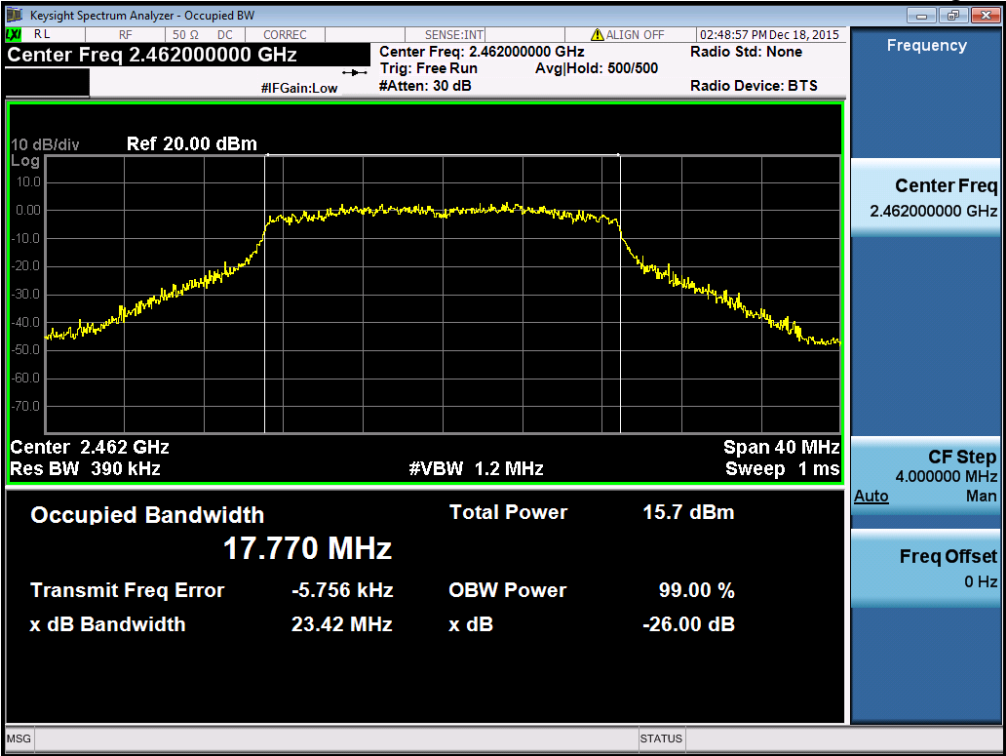
Occupied Bandwidth

TM 5 & ANT 2 & Middle



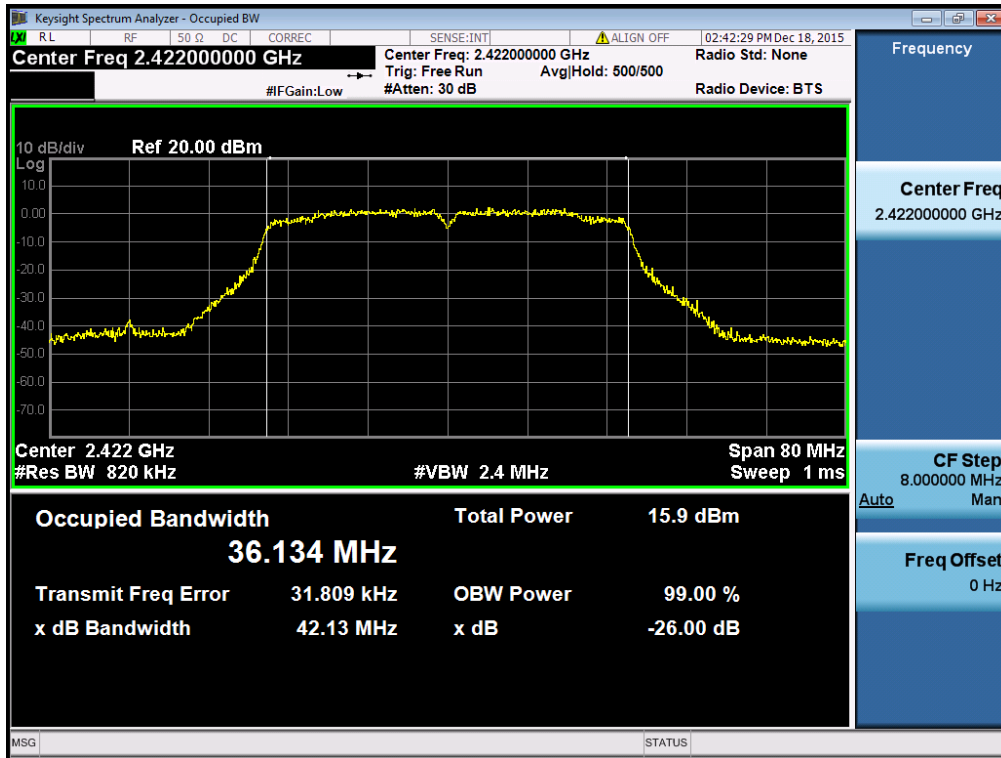


Occupied Bandwidth TM 5 & ANT 2 & Highest



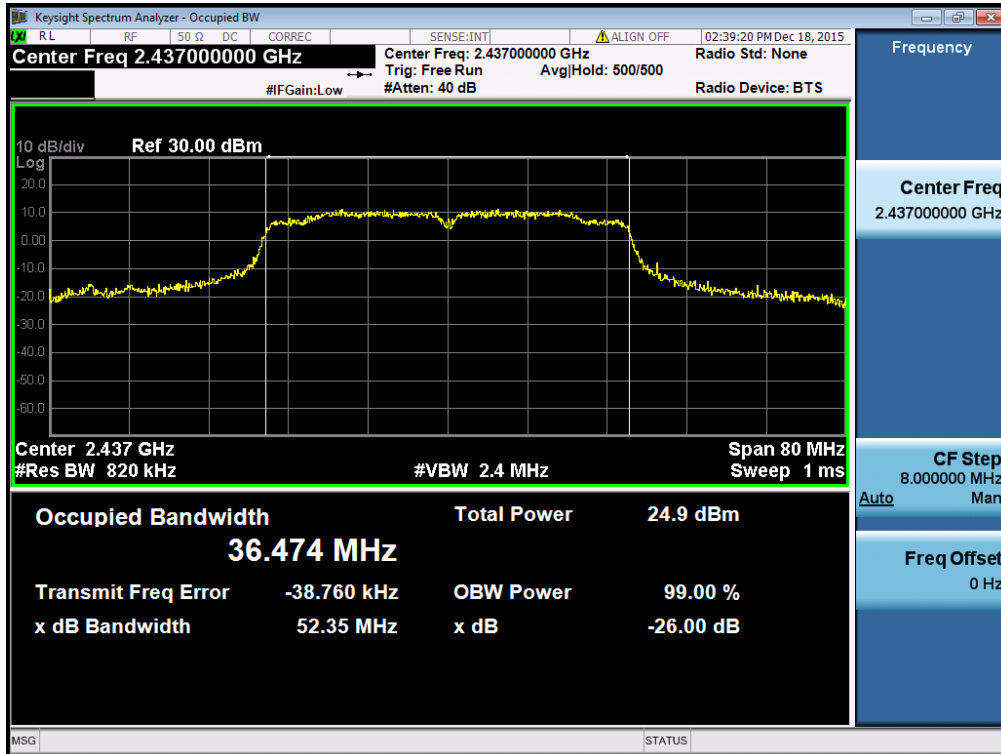
Occupied Bandwidth

TM 6 & ANT 2 & Lowest



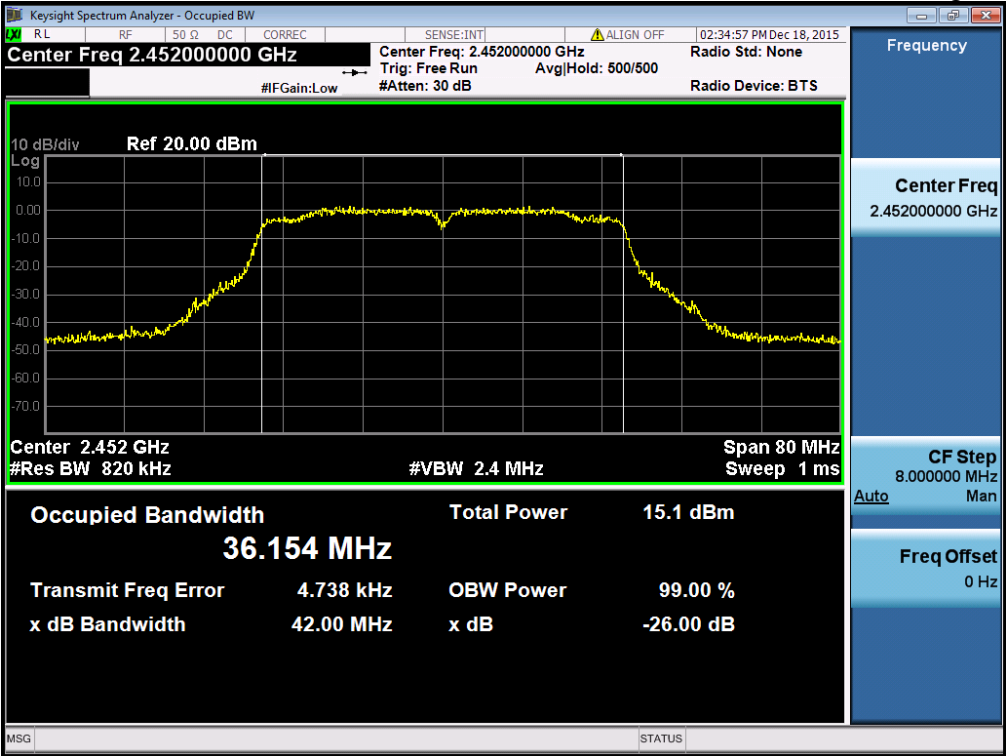
Occupied Bandwidth

TM 6 & ANT 2 & Middle





Occupied Bandwidth TM 6 & ANT 2 & Highest



9. LIST OF TEST EQUIPMENT

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N
Spectrum Analyzer	Agilent Technologies	N9030A	15/10/19	16/10/19	MY53310140
Spectrum Analyzer	Agilent Technologies	N9020A	15/08/18	16/08/18	MY50200867
Dynamic Measurement DC Source	Agilent Technologies	66332A	15/01/22	16/01/22	US37471368
Power Meter & Wide Bandwidth Sensor	Anritsu	ML2496A / MA2411B	15/06/25	16/06/25	1338004 / 1306053
Temp & Humi Test Chamber	SJ Science	SJ-TH-S50	15/10/19	16/10/19	SJ-TH-S50-130930
Thermohygrometer	BODYCOM	BJ5478	15/02/26	16/02/26	1209
Signal Generator	Rohde Schwarz	SMF100A	15/06/29	16/06/29	102341
Vector Signal Generator	Rohde Schwarz	SMBV100A	15/01/06	16/01/06	255571
Digital Multimeter	Agilent Technologies	34401A	15/01/06	16/01/06	MY41037027
Loop Antenna	Schwarzbeck	FMZB1513	14/04/29	16/04/29	1513-128
TRILOG Broadband Test- Antenna	Schwarzbeck	VULB 9160	14/04/30	16/04/30	3358
Double-Ridged Guide Antenna	ETS-Lindgren	3117	14/05/12	16/05/12	140394
Horn Antenna	A.H.Systems Inc.	SAS-574	15/04/30	17/04/30	154
Highpass Filter	Wainwright Instruments	WHKX12-2580- 3000-18000-80SS	15/09/23	16/09/23	3
PreAmplifier	TSJ	MLA-010K01-B01- 27	15/04/09	16/04/09	1844539
PreAmplifier	Agilent	8449B	15/02/26	16/02/26	3008A00370
EMI Test Receiver	Rohde Schwarz	DSR7	15/10/19	16/10/19	101109
EMI Test Receiver	Rohde Schwarz	ESCI	15/02/25	16/02/25	100364
Single-Phase Master	NF	4420	15/09/09	16/09/09	3.04935E+12
Artificial Mains Network	Narda S.T.S. / PMM	PMM L2-16B	15/06/26	16/06/26	000WX20305

APPENDIX I

Duty cycle information

■ Test Procedure

Duty cycle measured using **section 6.0 b) of KDB 558074 D01 DTS Meas. Guidance v03r2** :

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

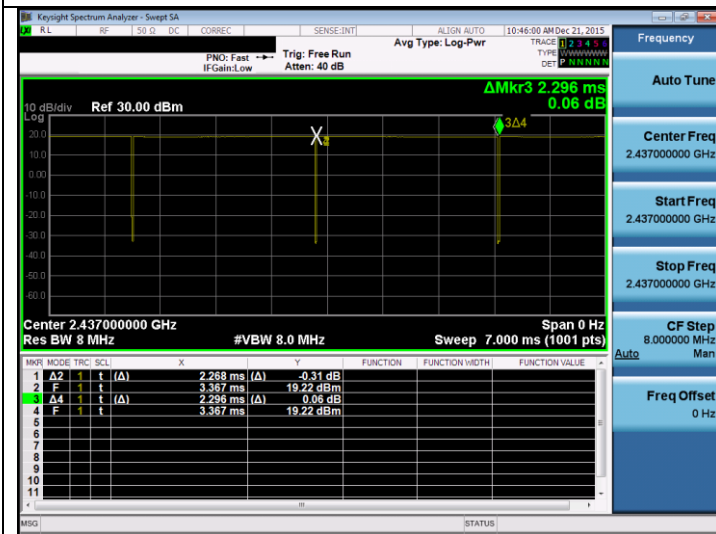
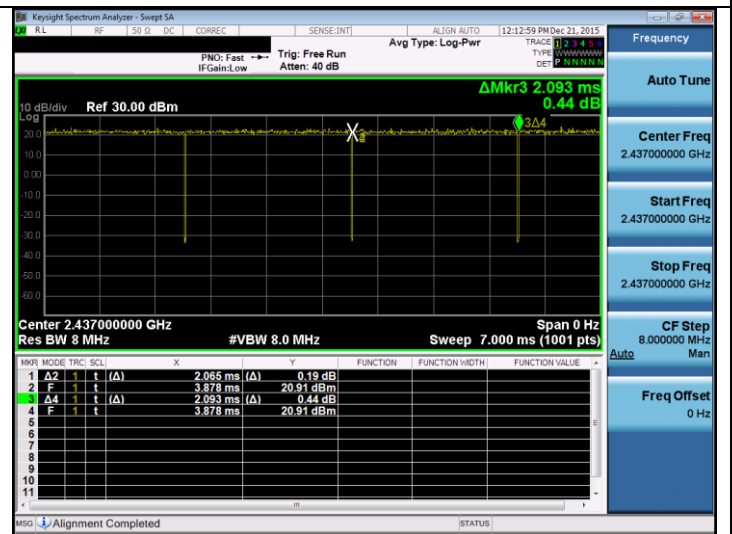
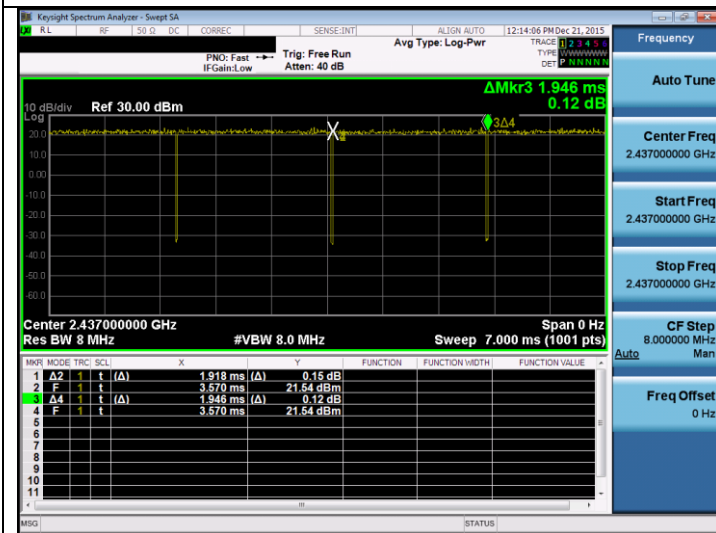
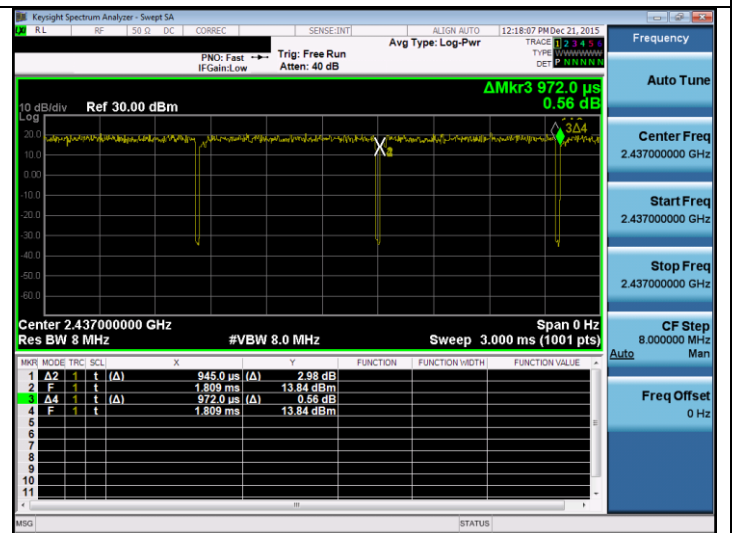
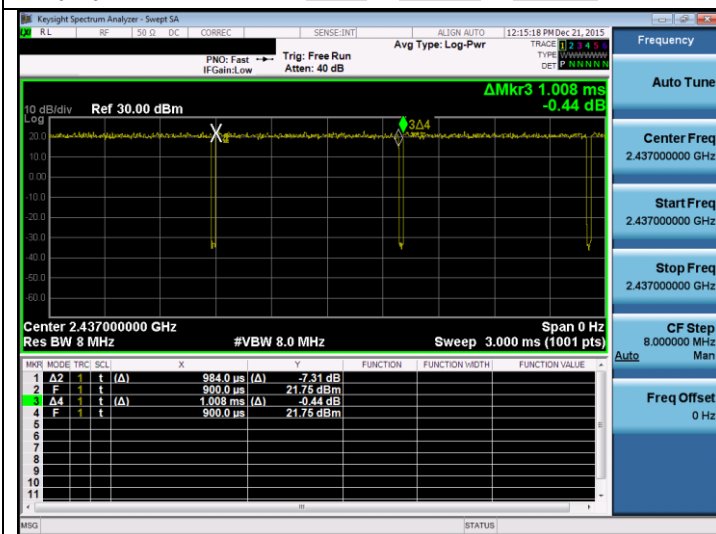
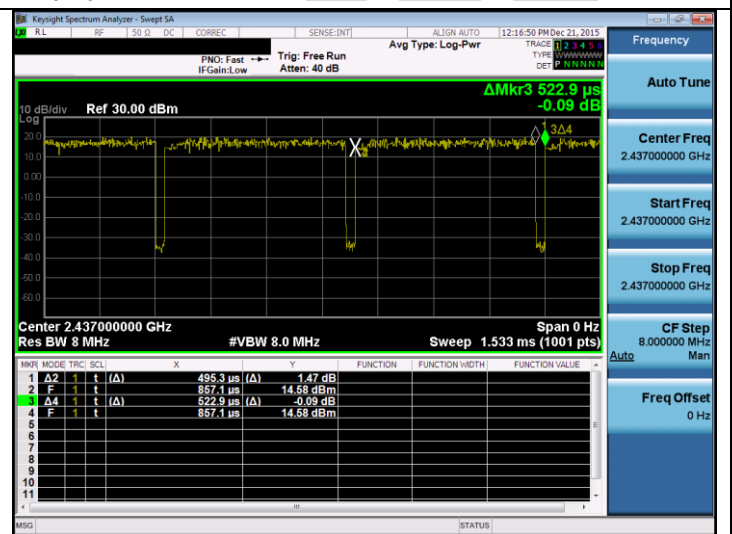
Set the center frequency of the instrument to the center frequency of the transmission. Set RBW $\geq$ OBW if possible; otherwise, set RBW to the largest available value. Set VBW $\geq$ RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

■ Test Data

Test Mode	Date rate	Tested frequency	T _{ON} (ms)	T _{ON+OFF} (ms)	Duty Cycle (%)	Duty Cycle Correction Factor(dB)
TM 1	1 Mbps	Middle	2.268	2.296	98.78	0.05
TM 2	6 Mbps	Middle	2.065	2.093	98.66	0.06
TM 3	MCS 0	Middle	1.918	1.946	98.56	0.06
TM 4	MCS 0	Middle	0.945	0.972	97.22	0.12
TM 5	MCS 8	Middle	0.984	1.008	97.62	0.11
TM 6	MCS 8	Middle	0.495	0.523	94.72	0.24

Result Plots

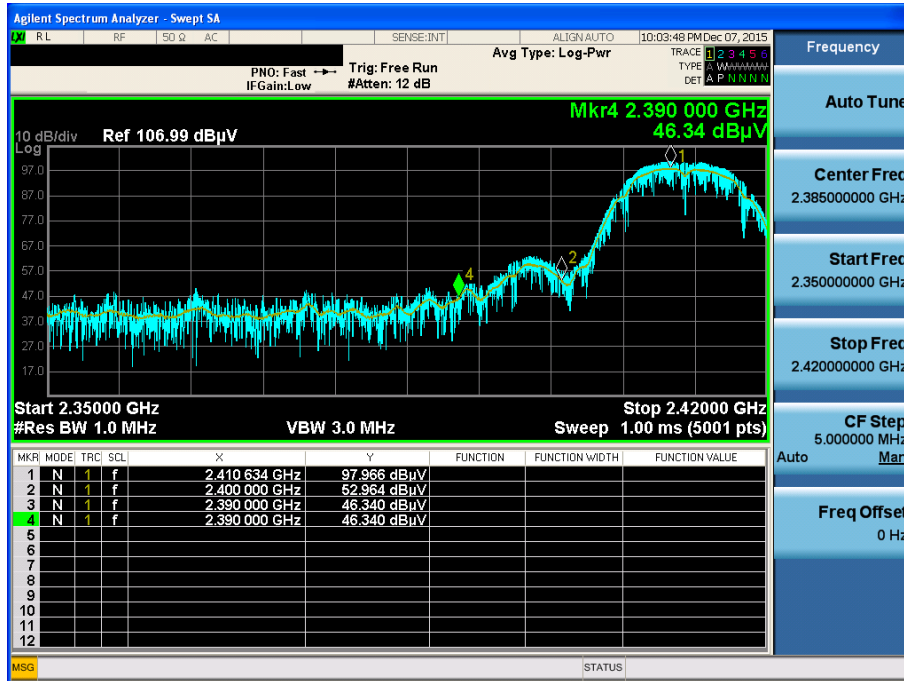
Duty cycle data : **TM 1 & 1 Mbps & Middle**Duty cycle data : **TM 2 & 6 Mbps & Middle**Duty cycle data : **TM 3 & MCS 0 & Middle**Duty cycle data : **TM 4 & MCS 0 & Middle**Duty cycle data : **TM 5 & MCS 8 & Middle**Duty cycle data : **TM 6 & MCS 8 & Middle**

APPENDIX II

Unwanted Emissions (Radiated) Test Plot

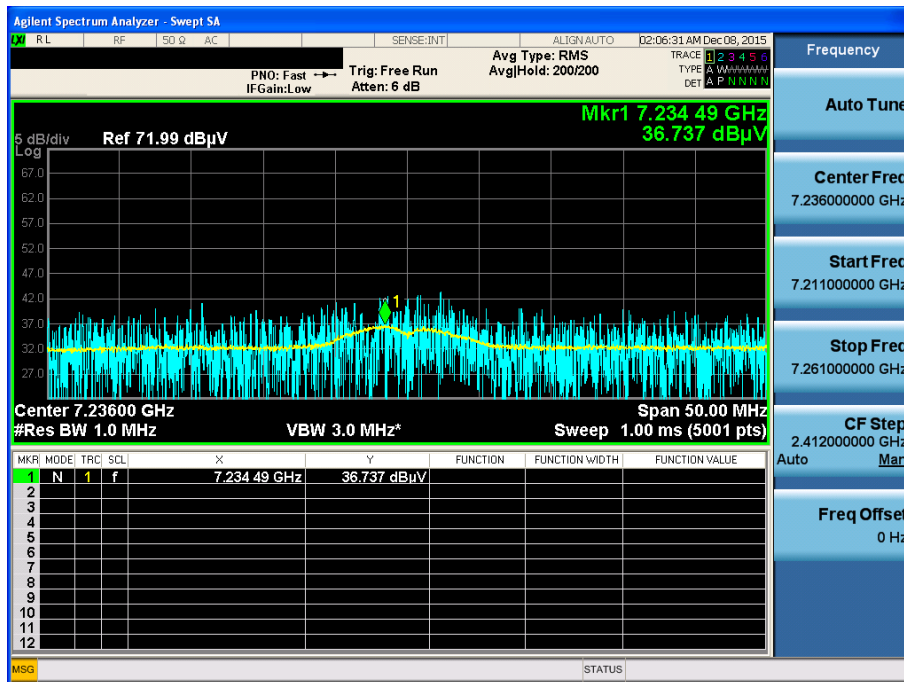
TM 1 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



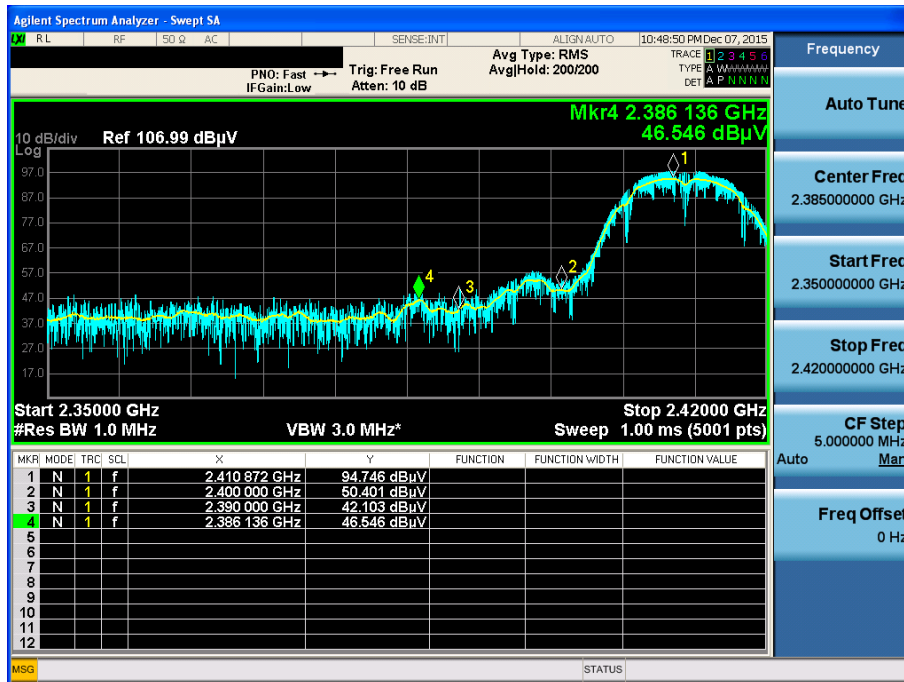
TM 1 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



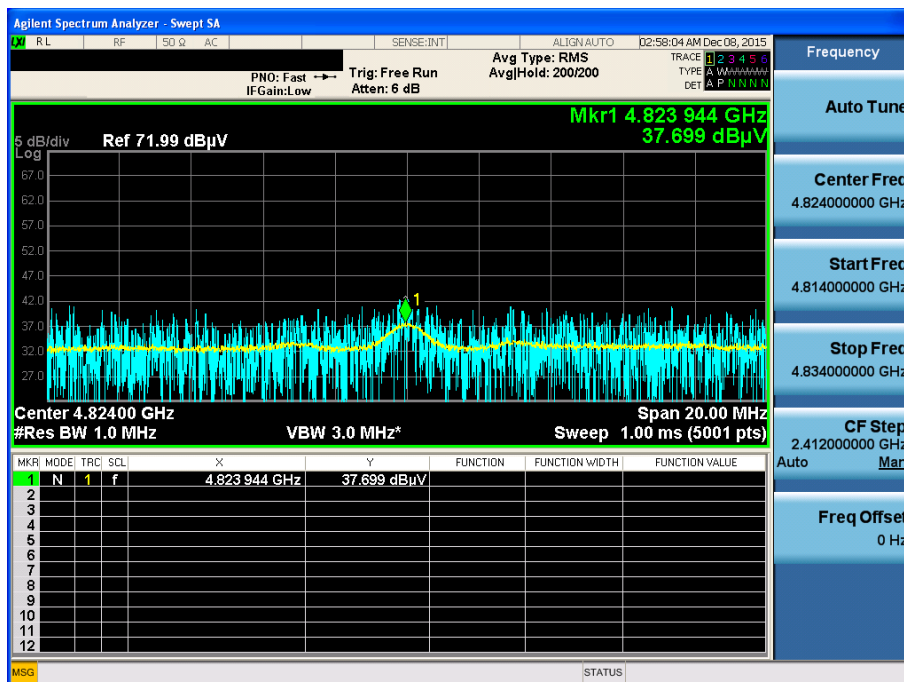
TM 1 & Lowest & Y axis & Hor & ANT 2

Detector Mode : AV



TM 1 & Lowest & Y axis & Hor & ANT 2

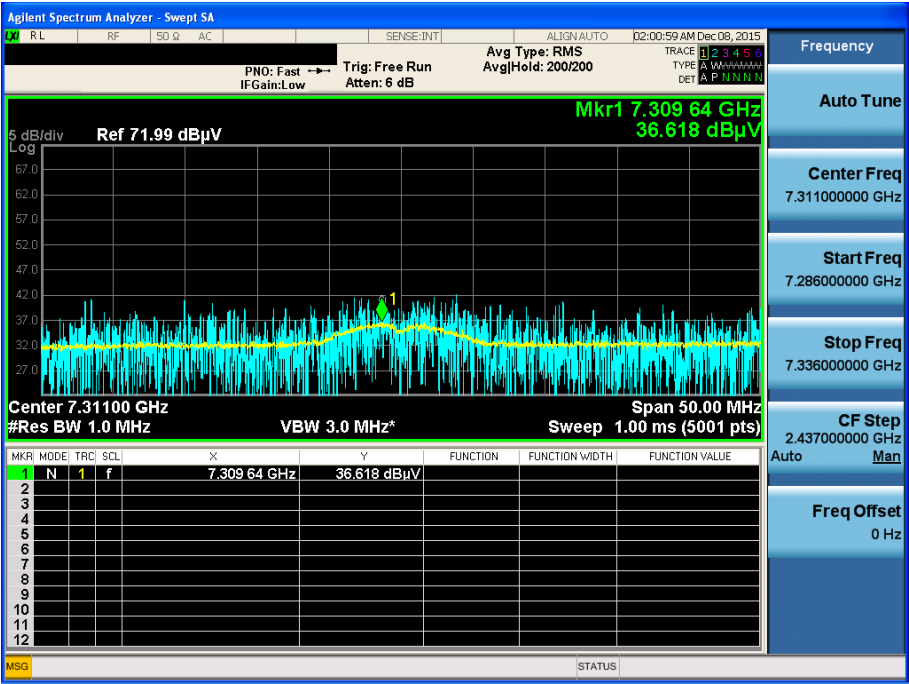
Detector Mode : AV





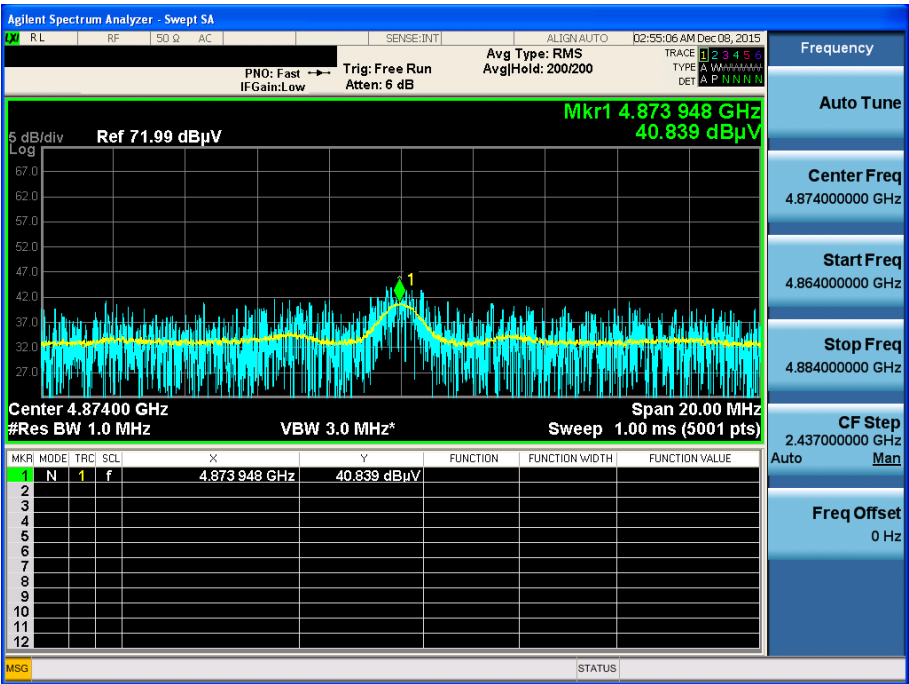
TM 1 & Middle & Y axis & Hor & ANT 1

Detector Mode : AV



TM 1 & Middle & Y axis & Hor & ANT 2

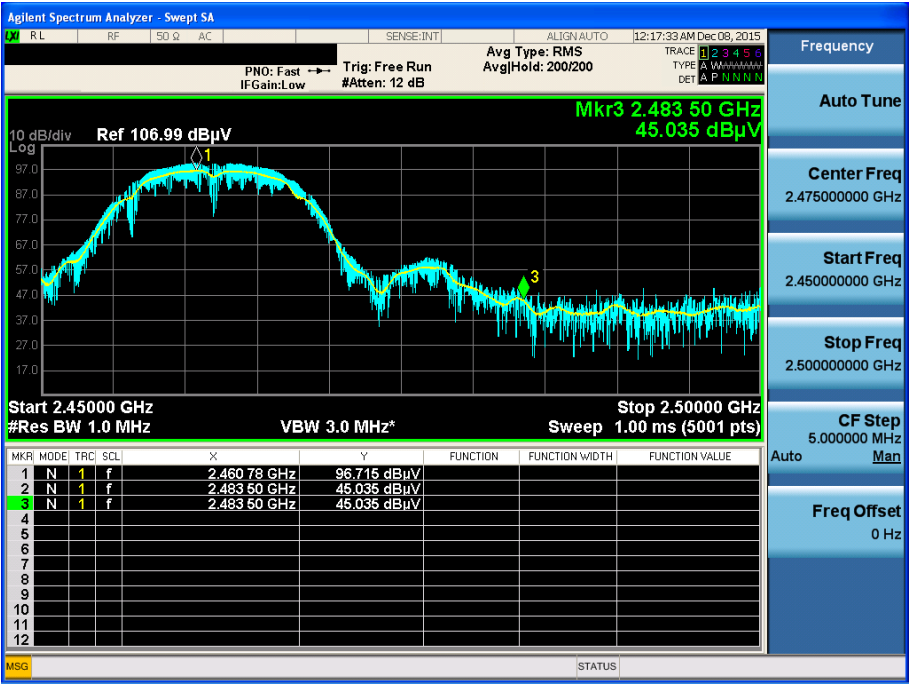
Detector Mode : AV





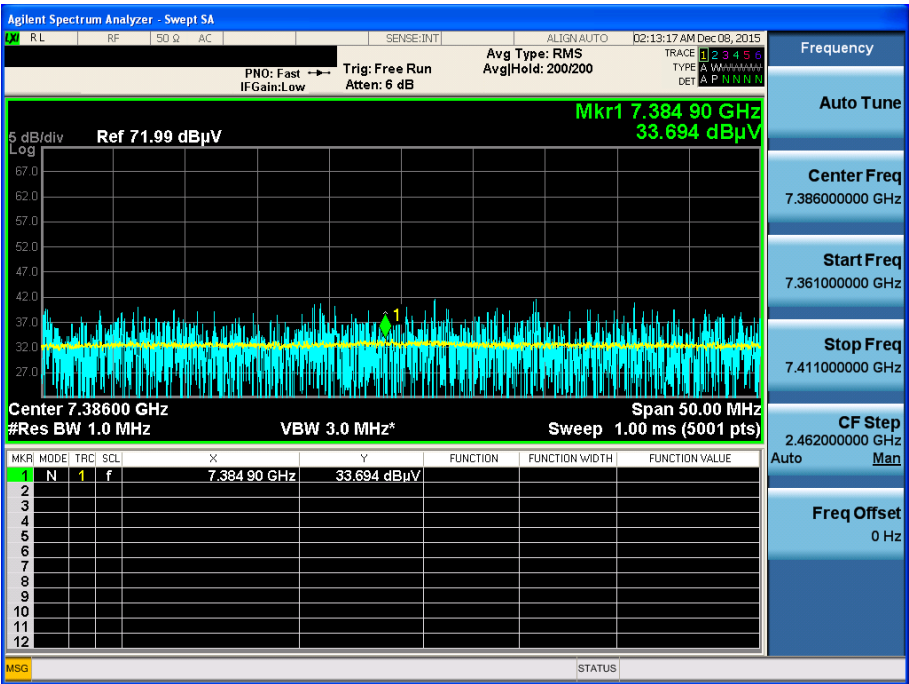
TM 1 & Highest & Y axis & Hor & ANT 1

Detector Mode : AV



TM 1 & Highest & Y axis & Hor & ANT 1

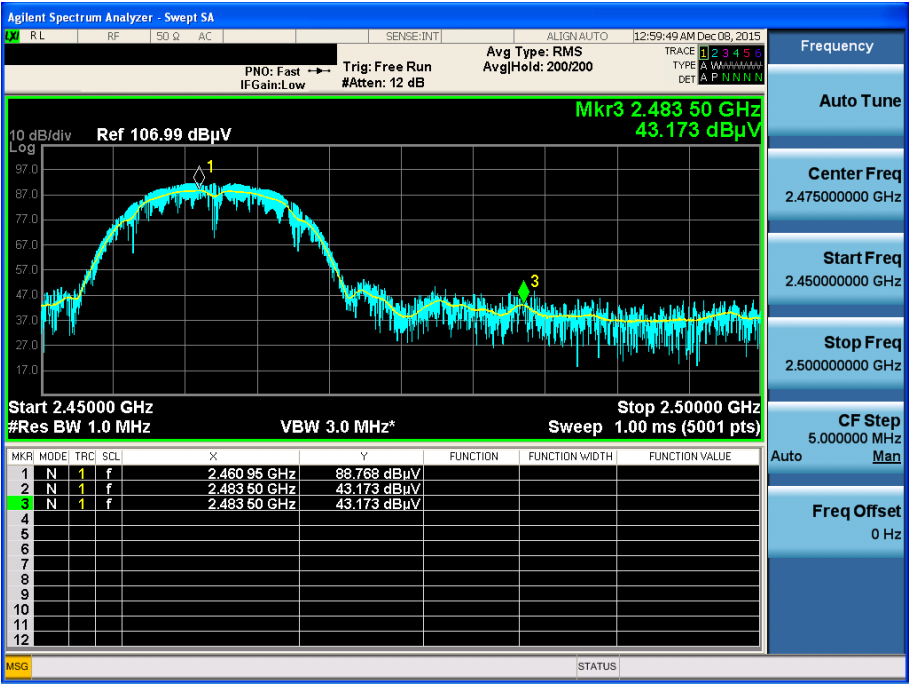
Detector Mode : AV





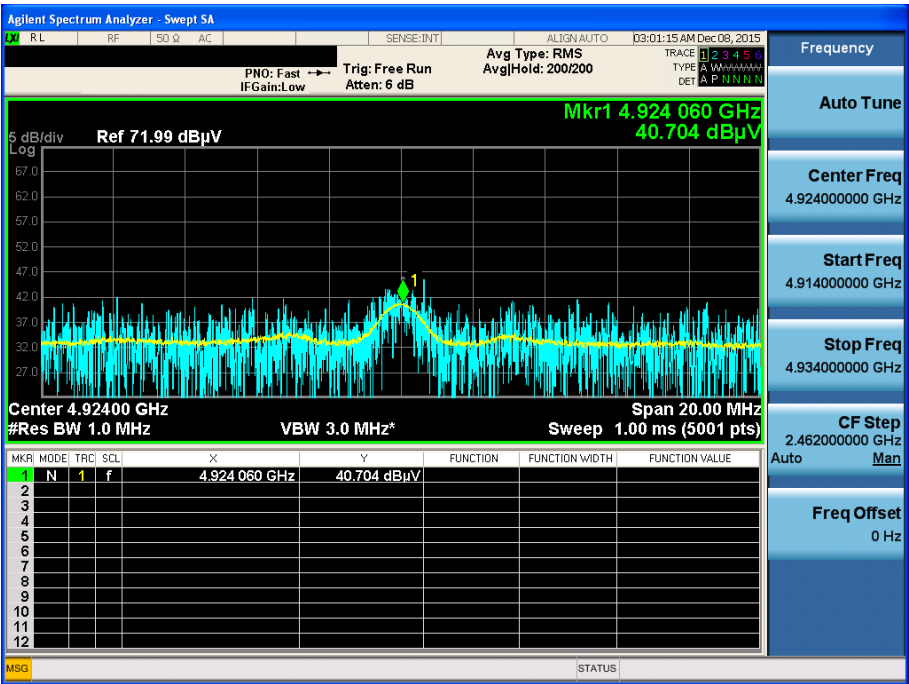
TM 1 & Highest & Y axis & Hor & ANT 2

Detector Mode : AV



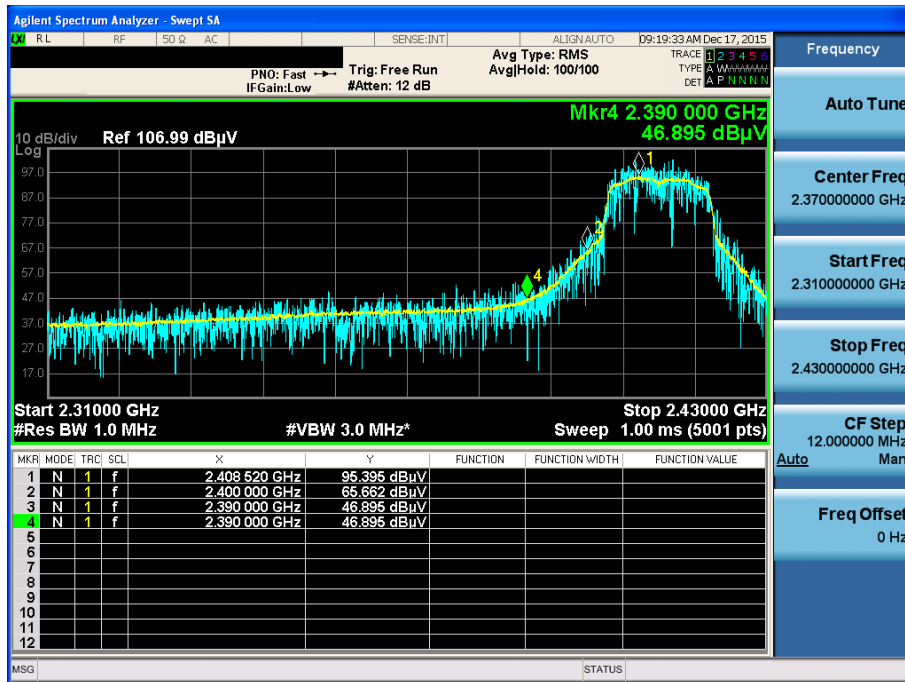
TM 1 & Highest & Y axis & Hor & ANT 2

Detector Mode : AV



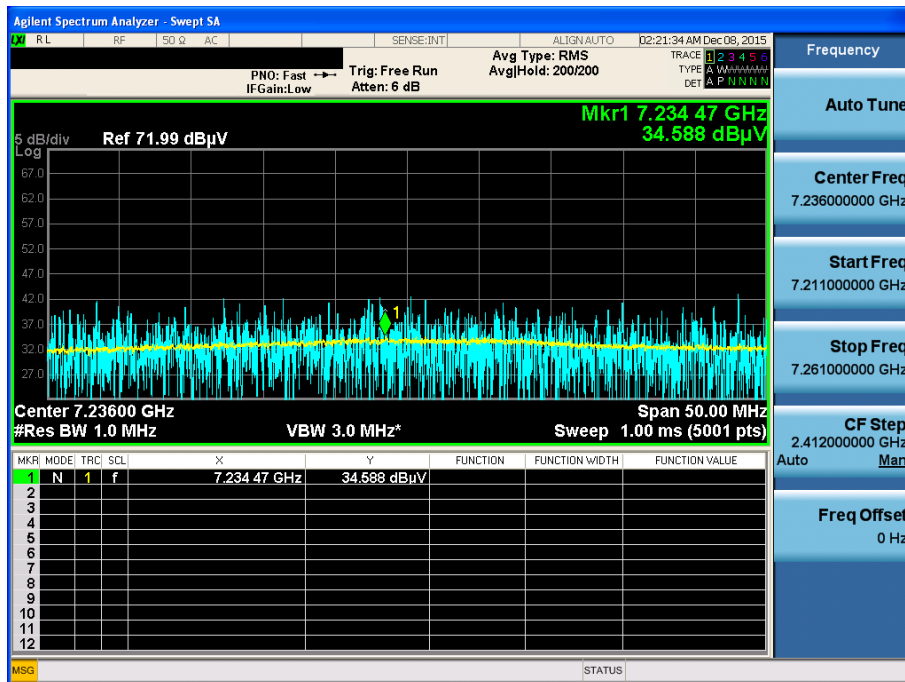
TM 2 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



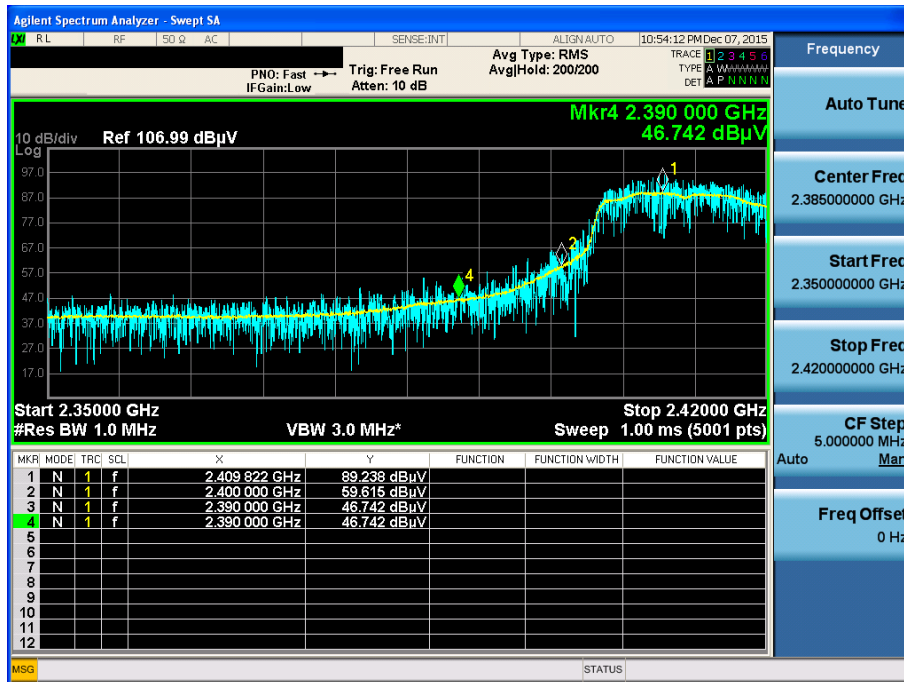
TM 2 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



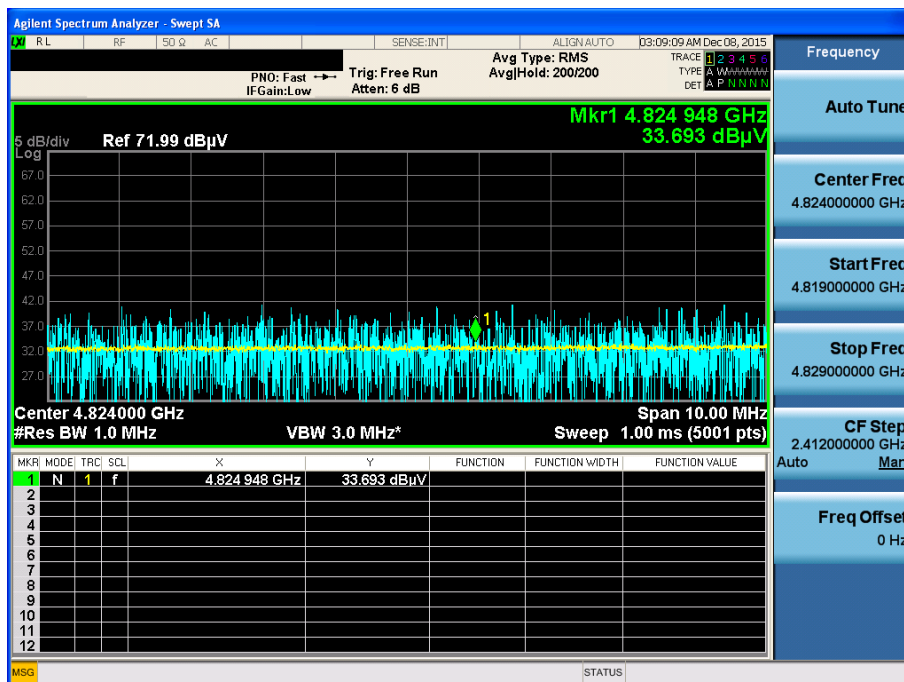
TM 2 & Lowest & Y axis & Hor & ANT 2

Detector Mode : AV



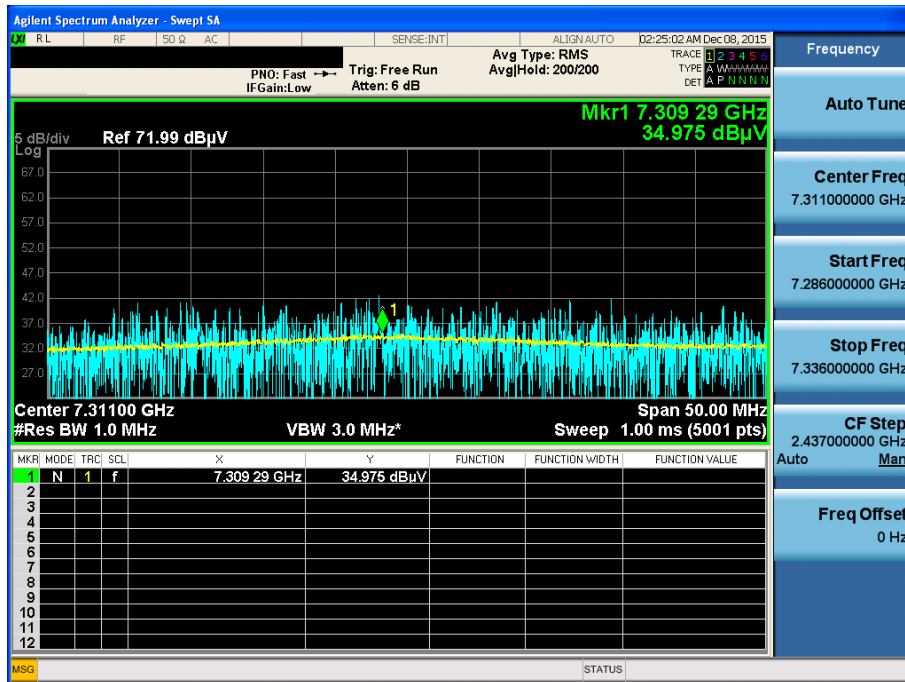
TM 2 & Lowest & Y axis & Hor & ANT 2

Detector Mode : AV



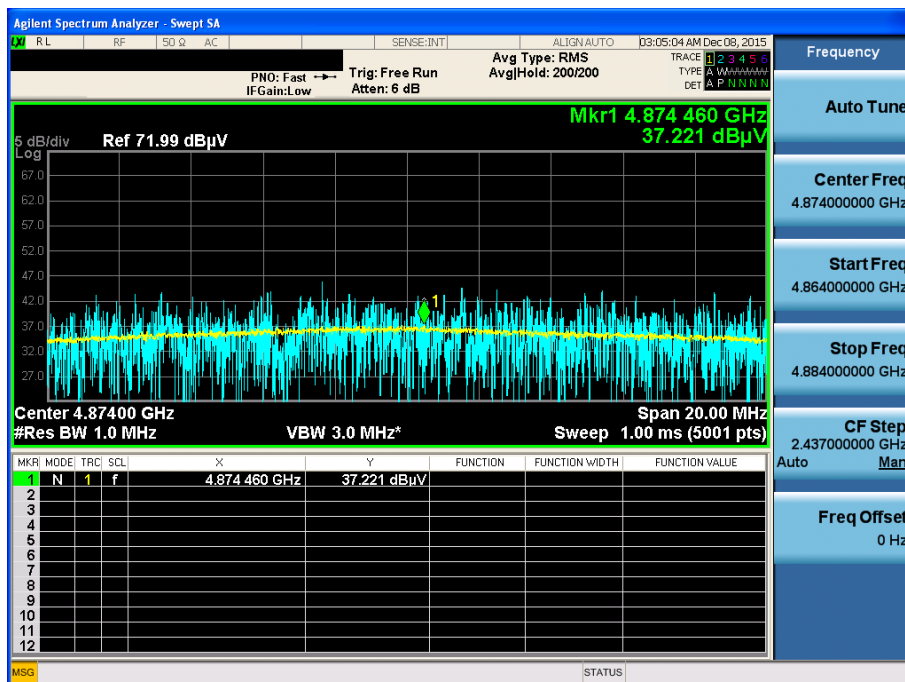
TM 2 & Middle & Y axis & Hor & ANT 1

Detector Mode : AV



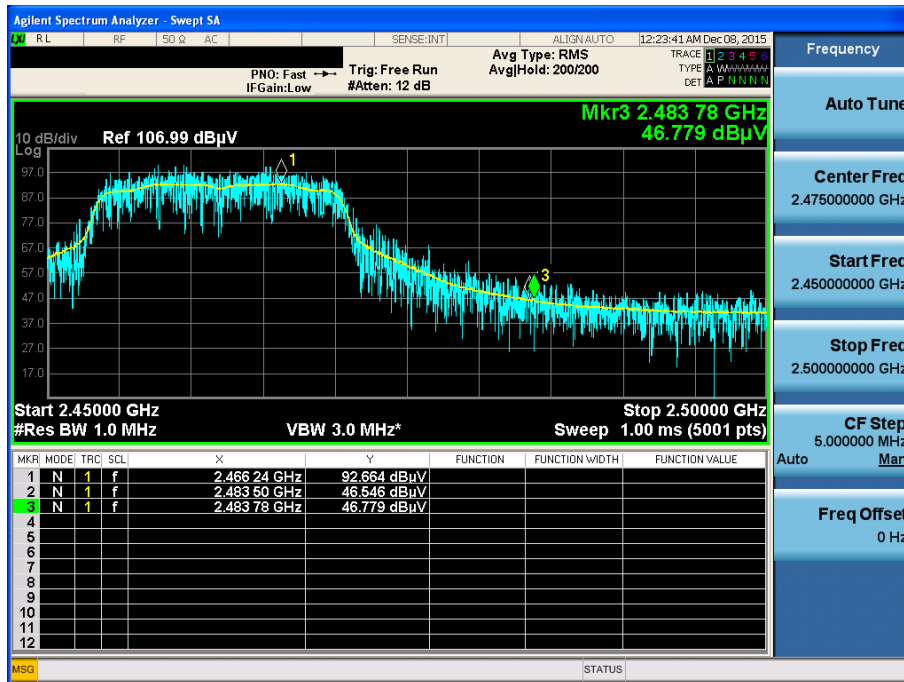
TM 2 & Middle & Y axis & Hor & ANT 2

Detector Mode : AV



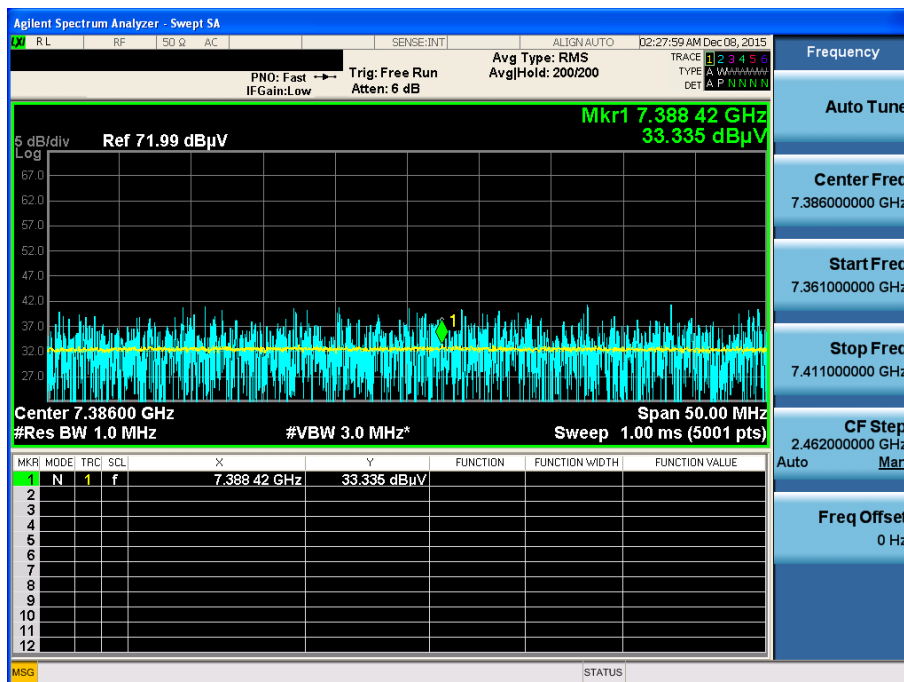
TM 2 & Highest & Y axis & Hor & ANT 1

Detector Mode : AV



TM 2 & Highest & Y axis & Hor & ANT 1

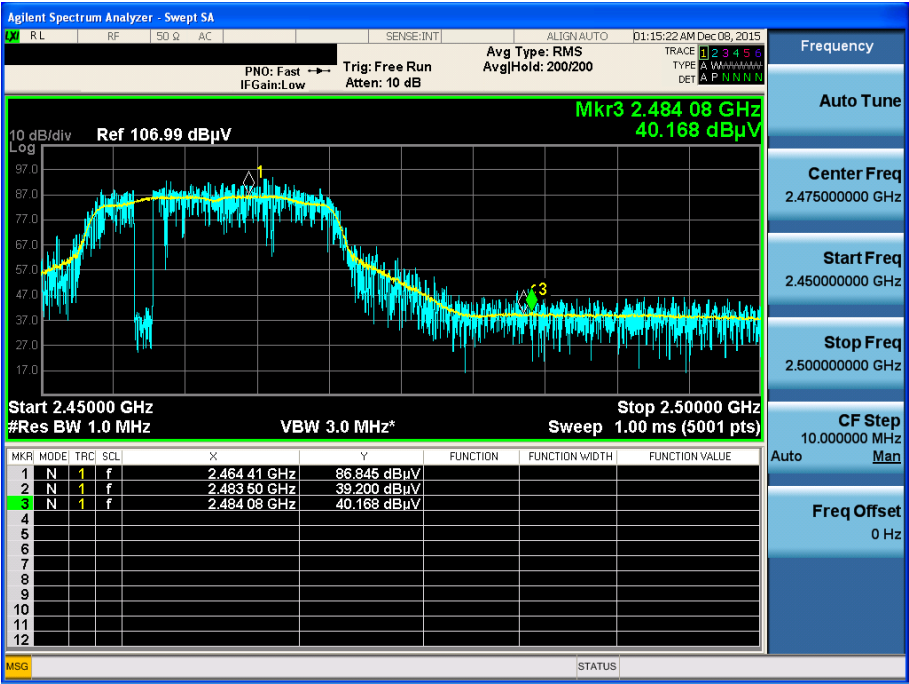
Detector Mode : AV





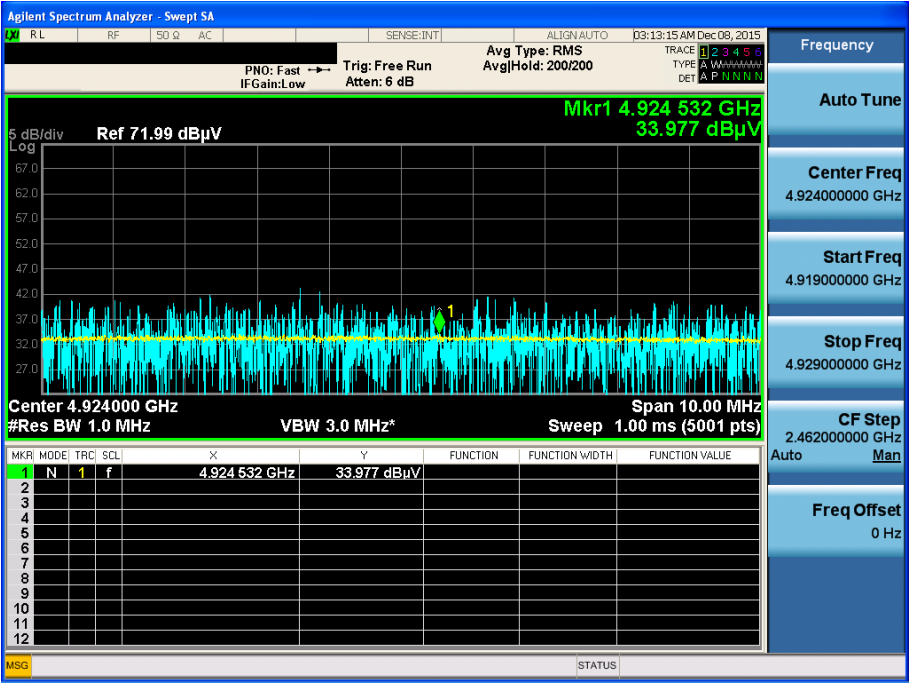
TM 2 & Highest & Y axis & Hor & ANT 2

Detector Mode : AV



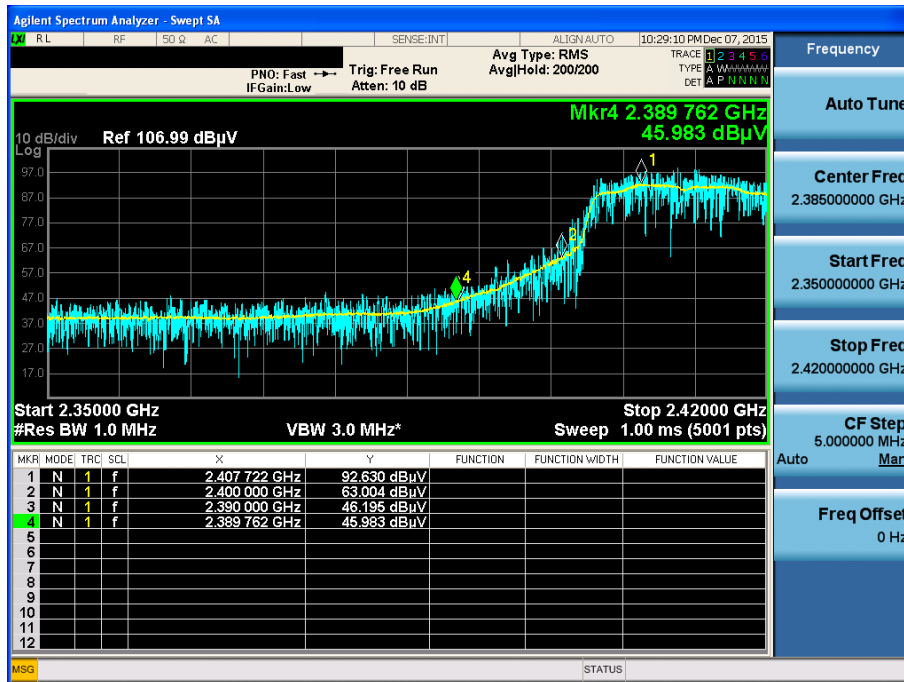
TM 2 & Highest & Y axis & Hor & ANT 2

Detector Mode : AV



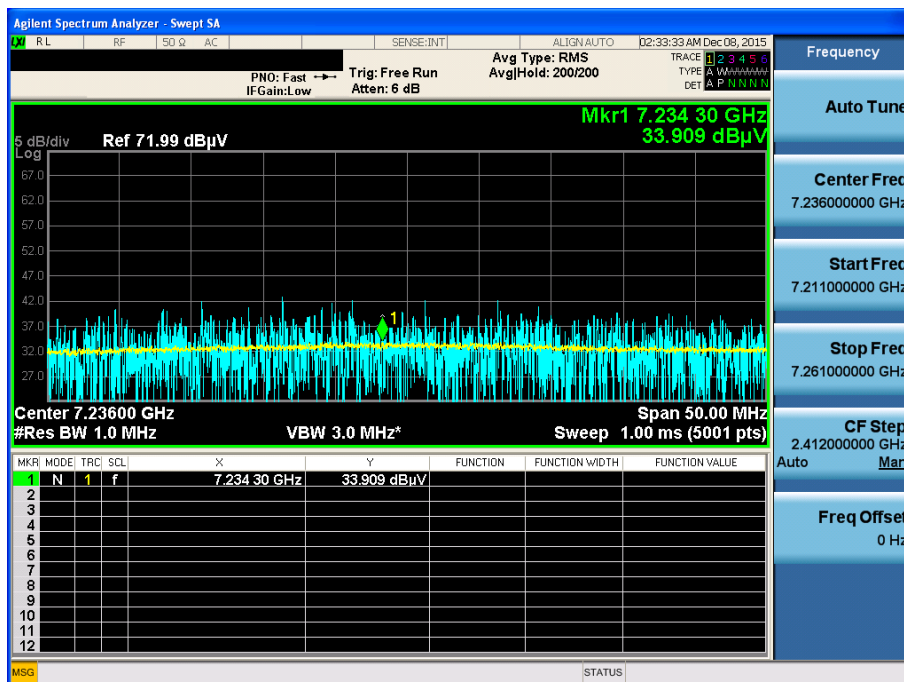
TM 3 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



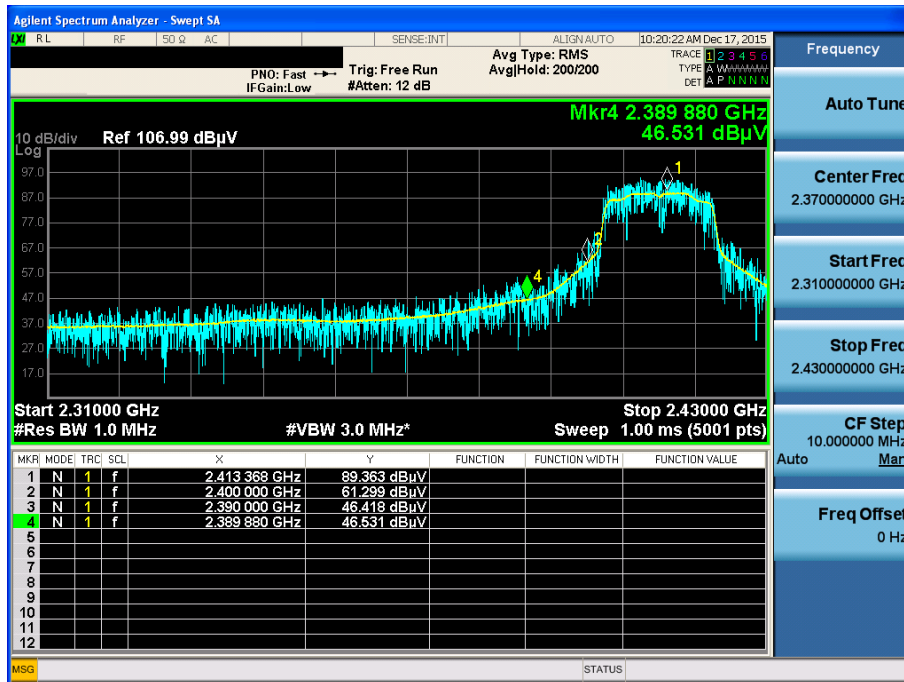
TM 3 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



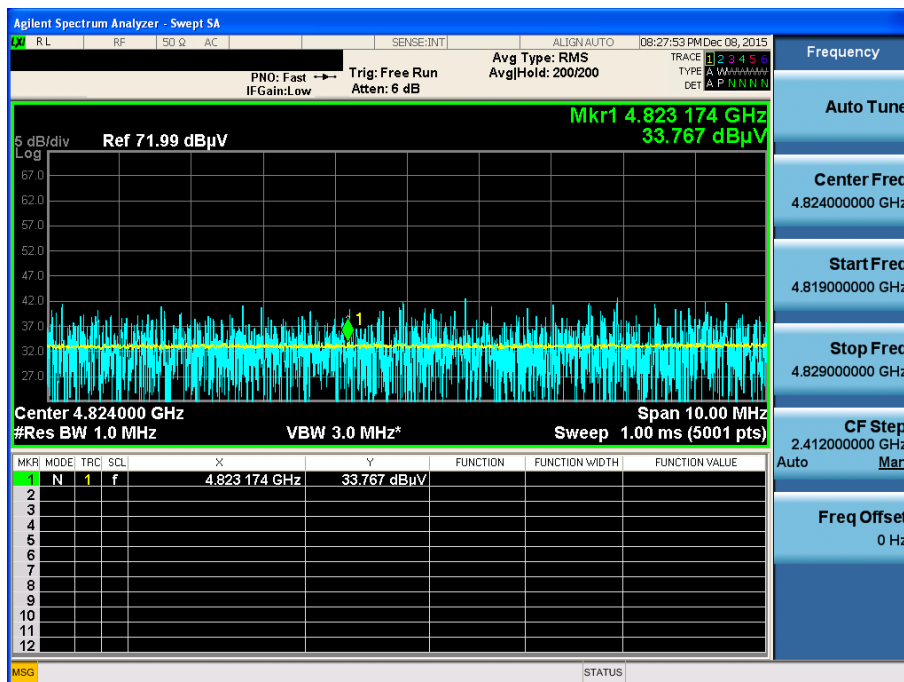
TM 3 & Lowest & Y axis & Hor & ANT 2

Detector Mode : AV



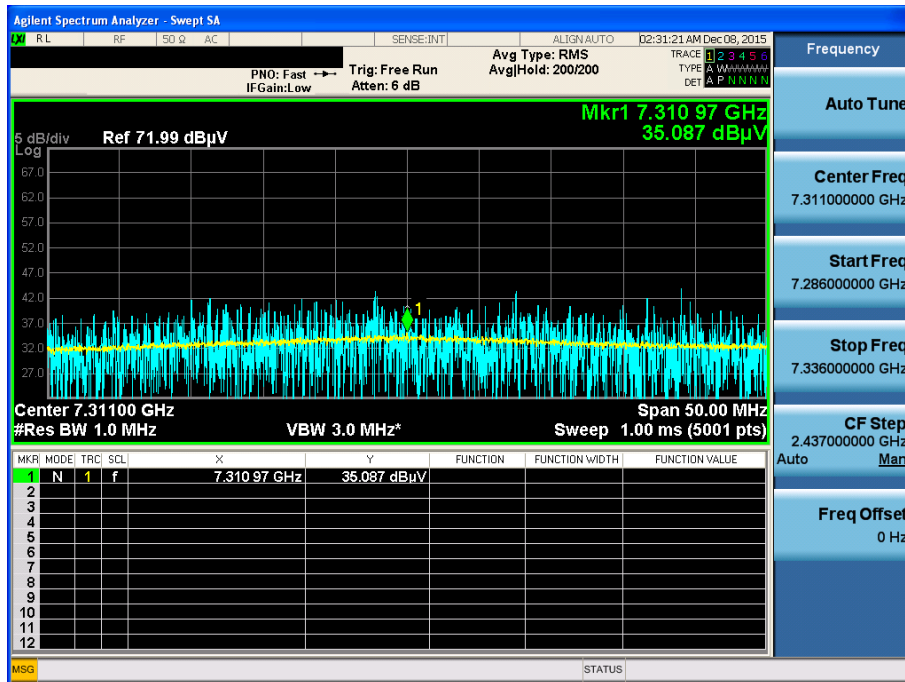
TM 3 & Lowest & Y axis & Hor & ANT 2

Detector Mode : AV



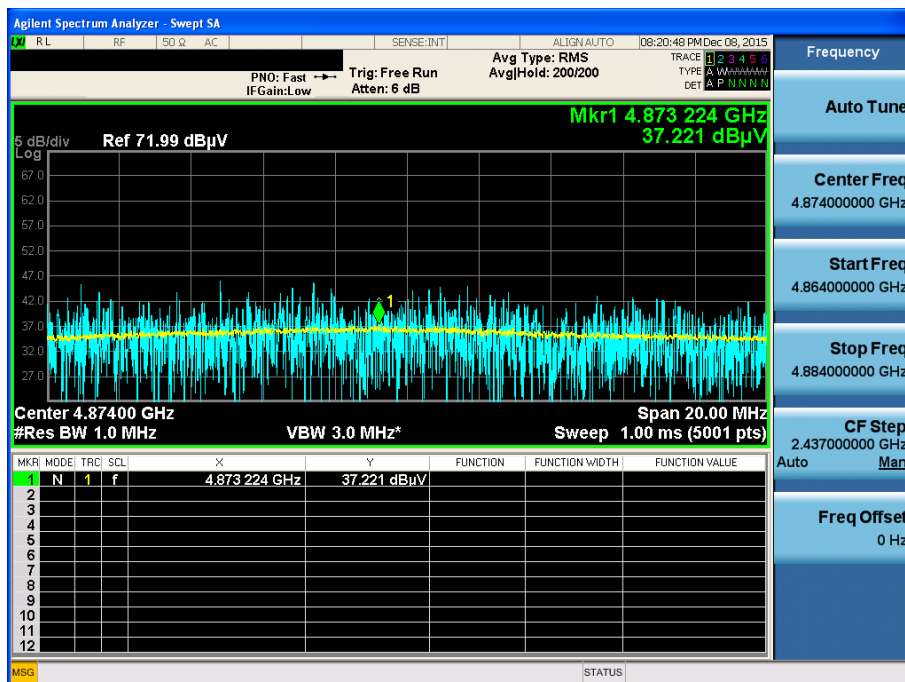
TM 3 & Middle & Y axis & Hor & ANT 1

Detector Mode : AV



TM 3 & Middle & Y axis & Hor & ANT 2

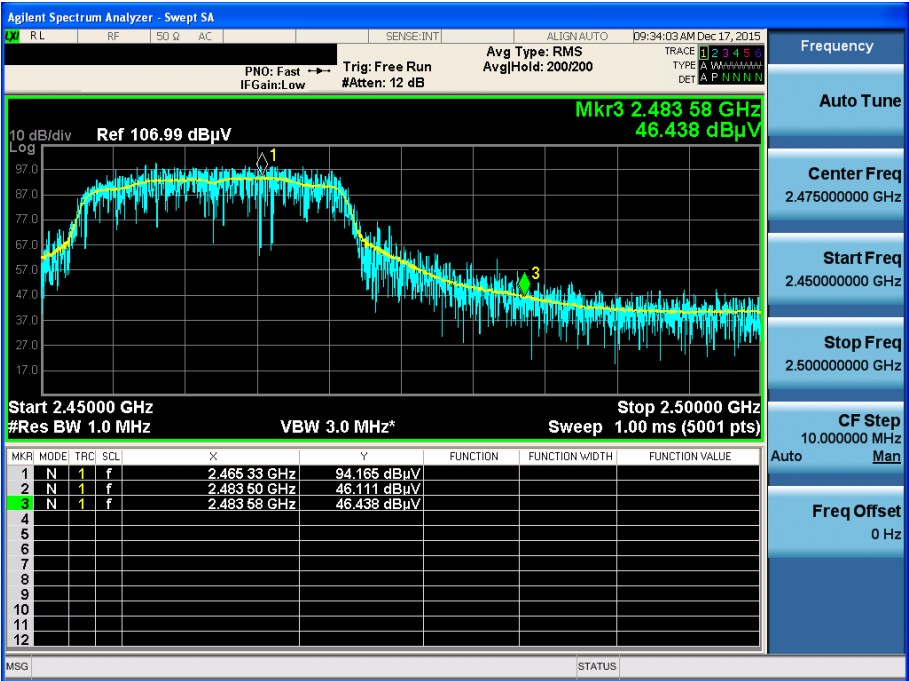
Detector Mode : AV





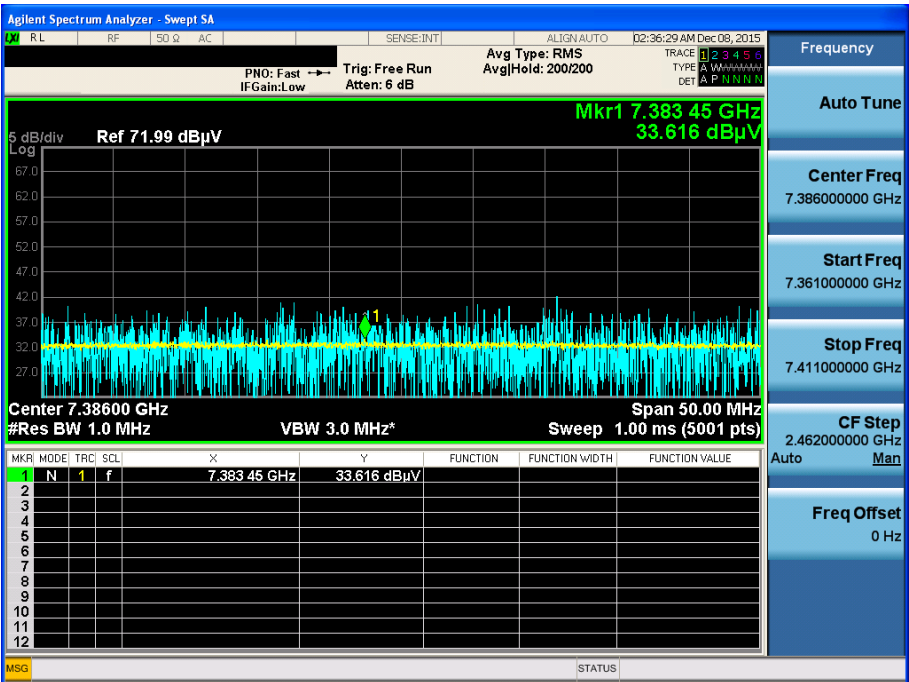
TM 3 & Highest & Y axis & Hor & ANT 1

Detector Mode : AV



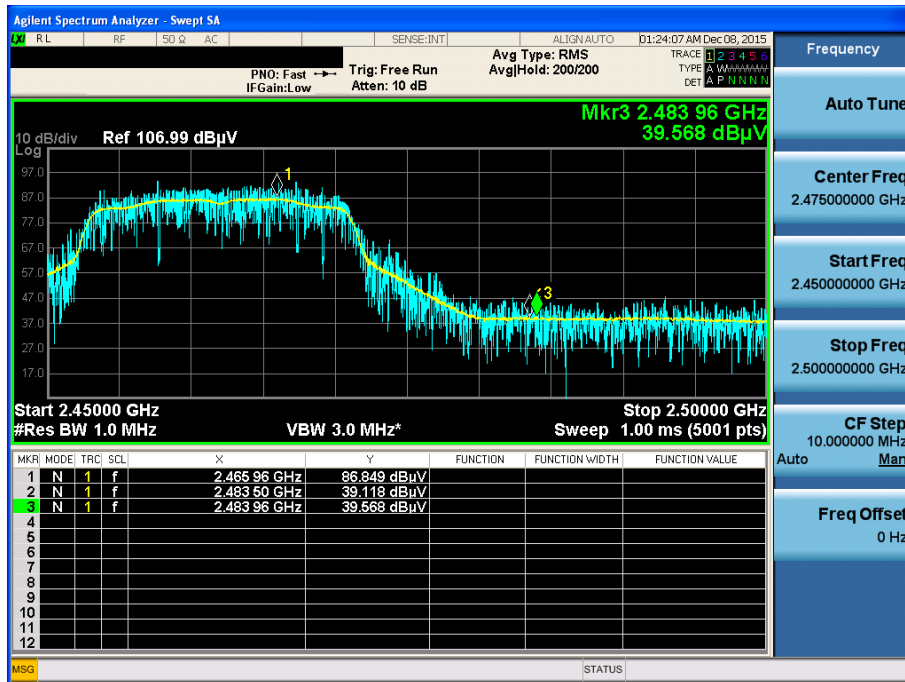
TM 3 & Highest & Y axis & Hor & ANT 1

Detector Mode : AV



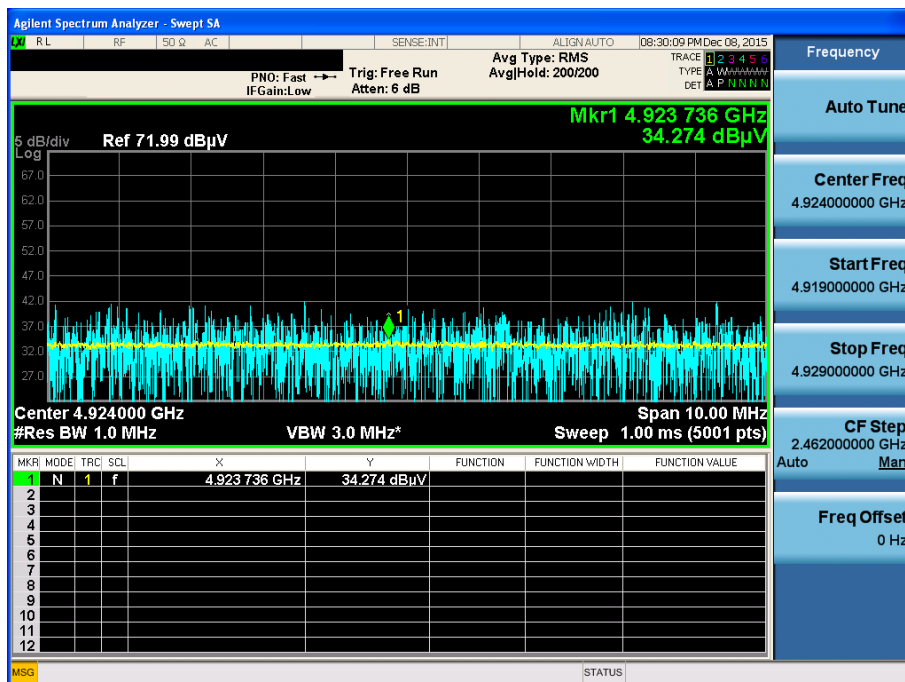
TM 3 & Highest & Y axis & Hor & ANT 2

Detector Mode : AV



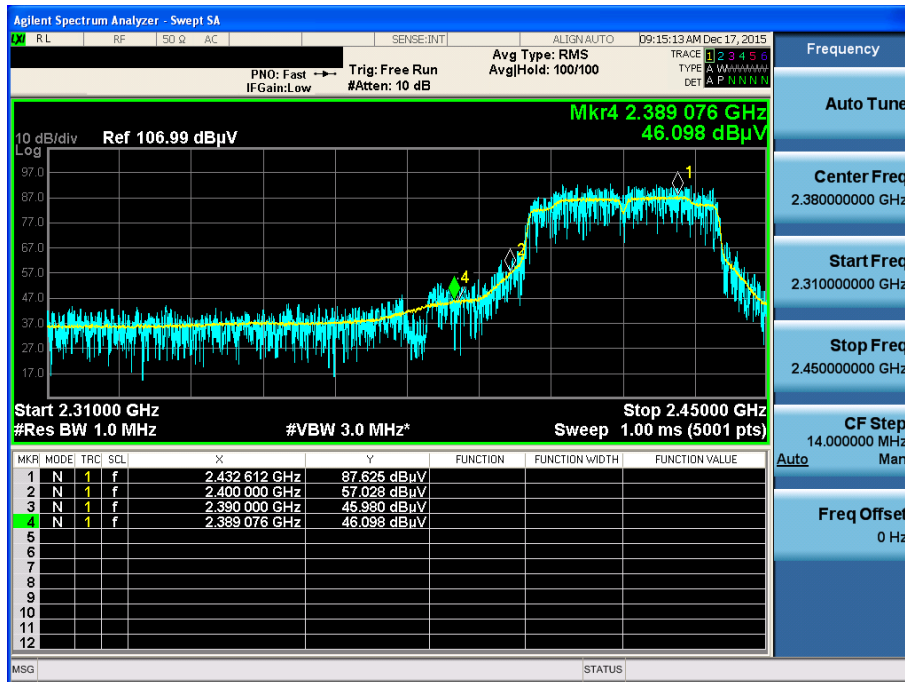
TM 3 & Highest & Y axis & Hor & ANT 2

Detector Mode : AV



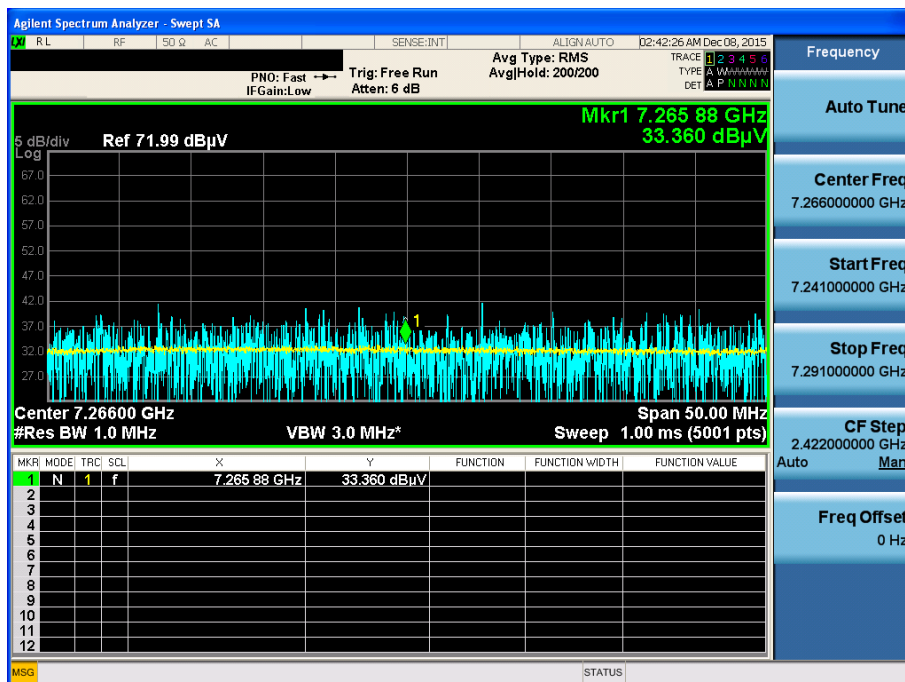
TM 4 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



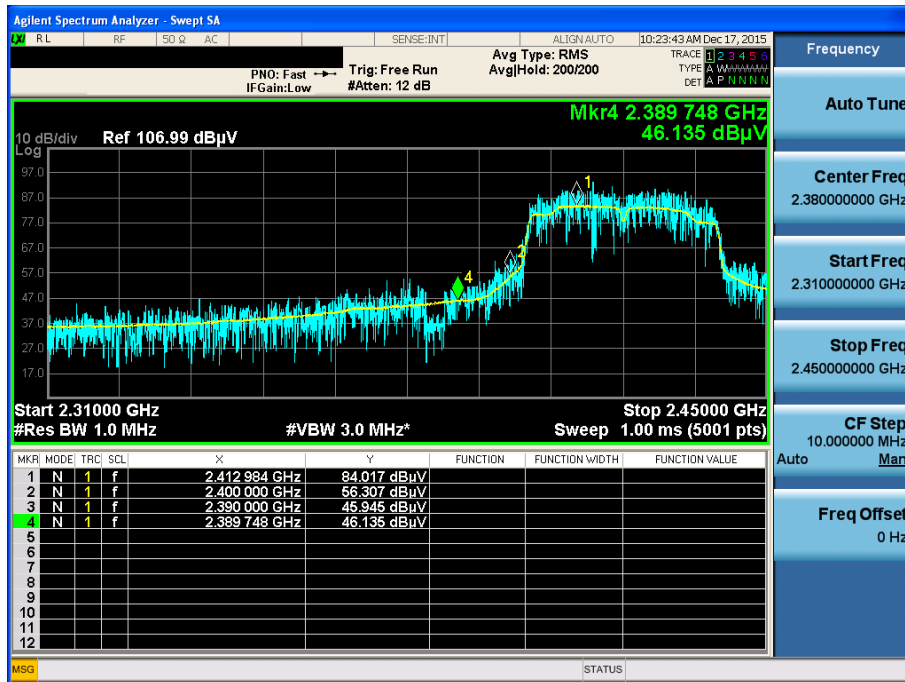
TM 4 & Lowest & Y axis & Hor & ANT 1

Detector Mode : AV



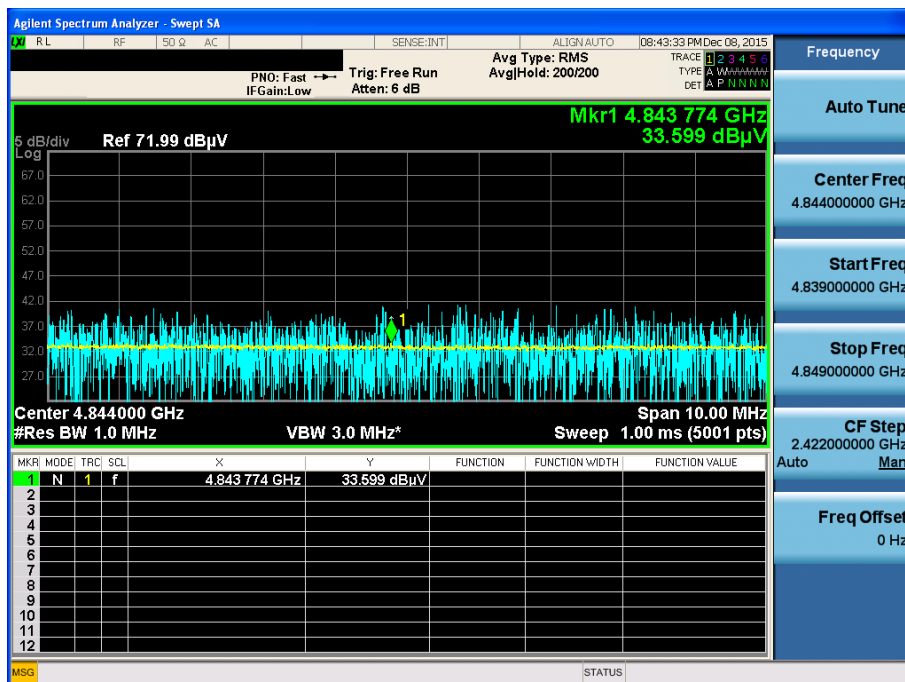
TM 4 & Lowest & Y axis & Hor & ANT 2

Detector Mode : AV



TM 4 & Lowest & Y axis & Hor & ANT 2

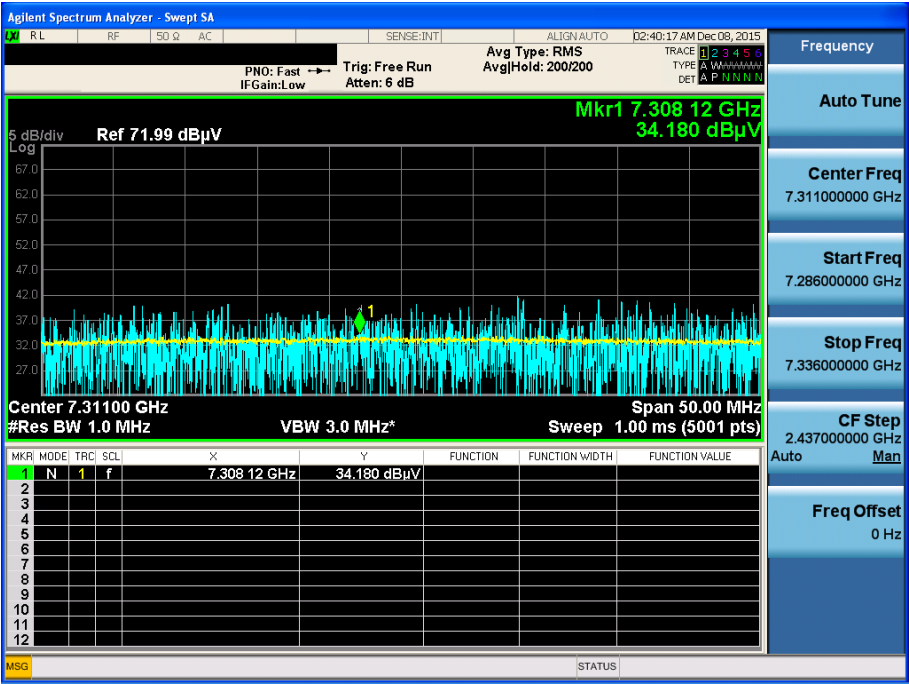
Detector Mode : AV





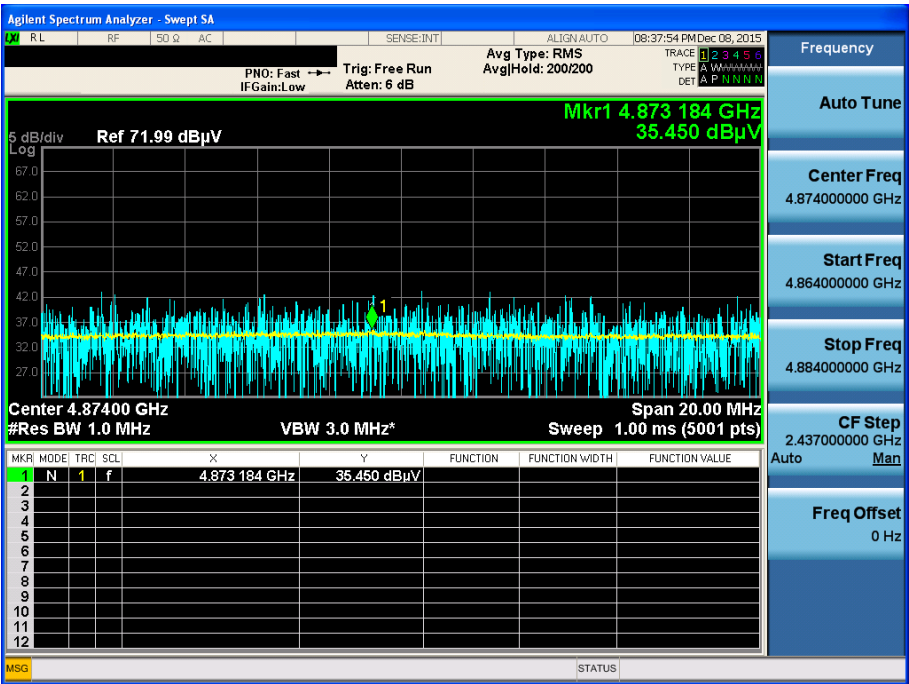
TM 4 & Middle & Y axis & Hor & ANT 1

Detector Mode : AV



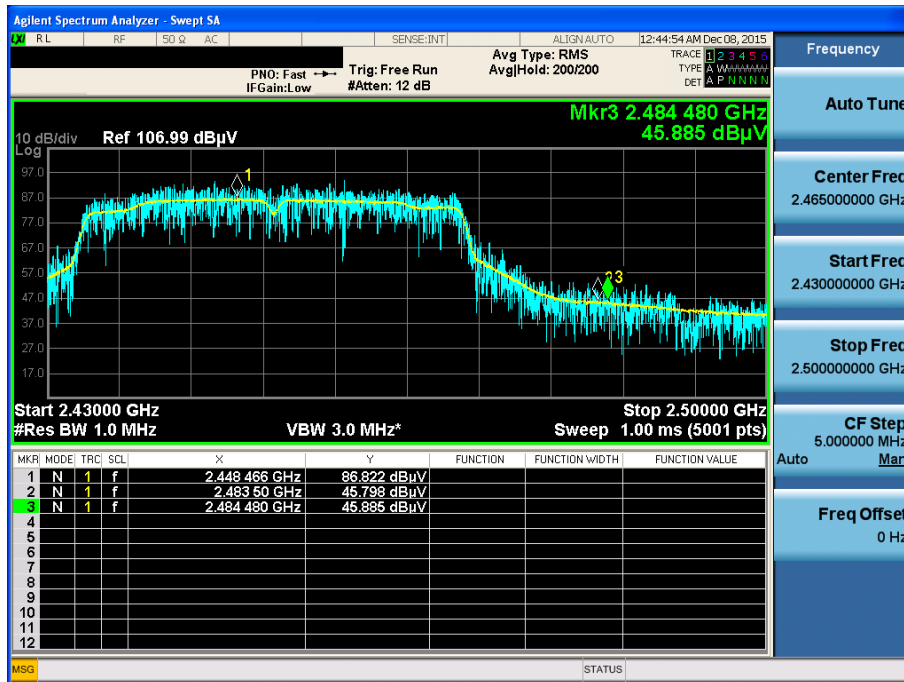
TM 4 & Middle & Y axis & Hor & ANT 2

Detector Mode : AV



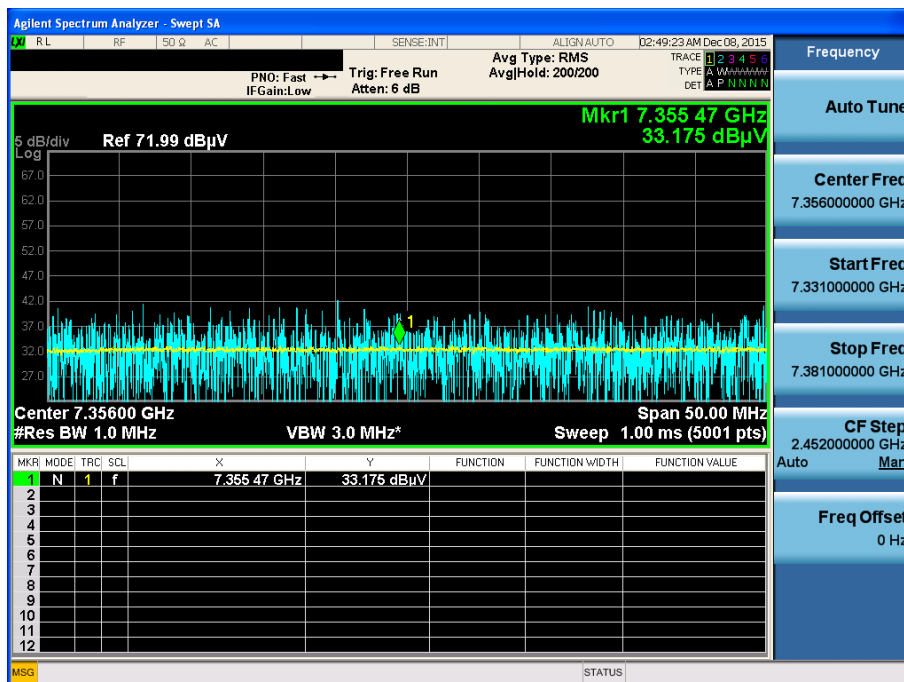
TM 4 & Highest & Y axis & Hor & ANT 1

Detector Mode : AV



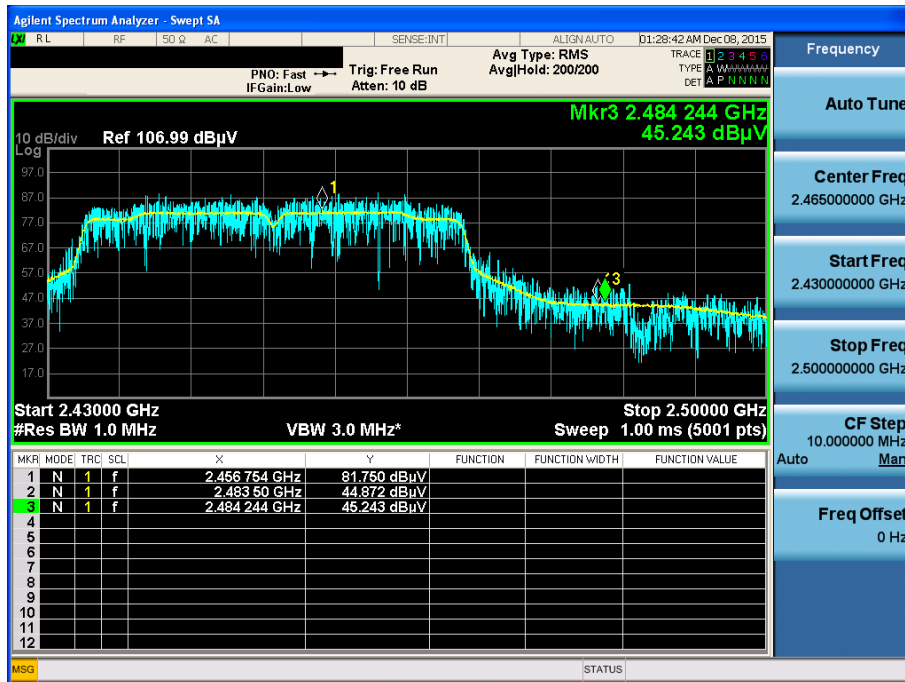
TM 4 & Highest & Y axis & Hor & ANT 1

Detector Mode : AV



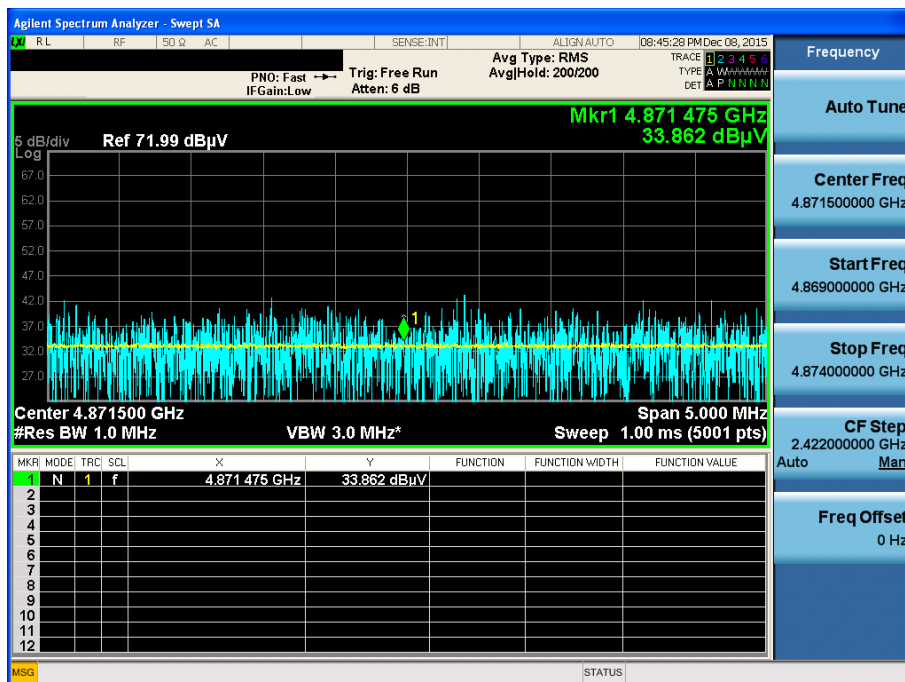
TM 4 & Highest & Y axis & Hor & ANT 2

Detector Mode : AV



TM 4 & Highest & Y axis & Hor & ANT 2

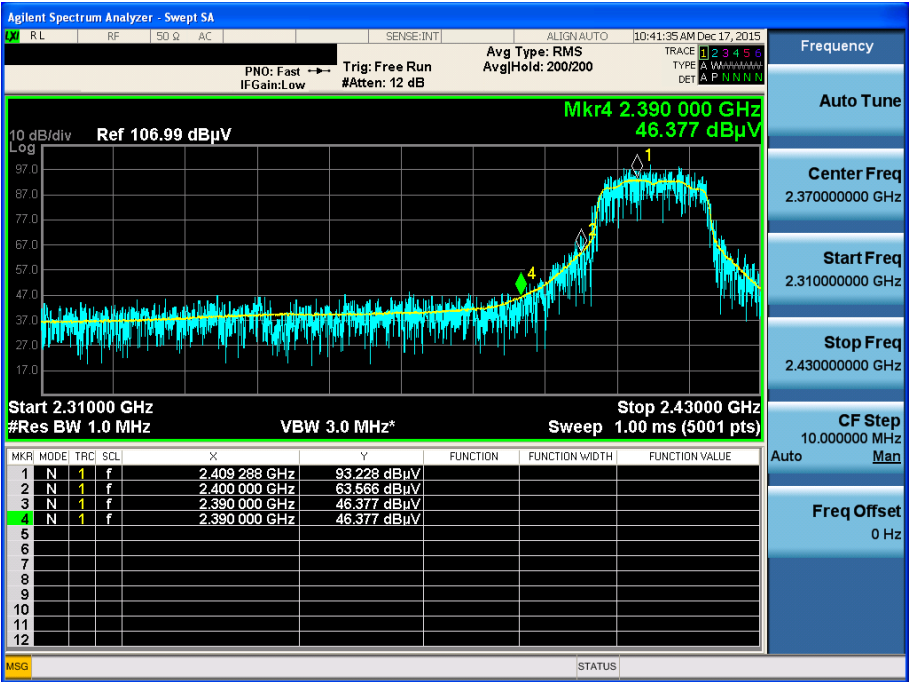
Detector Mode : AV





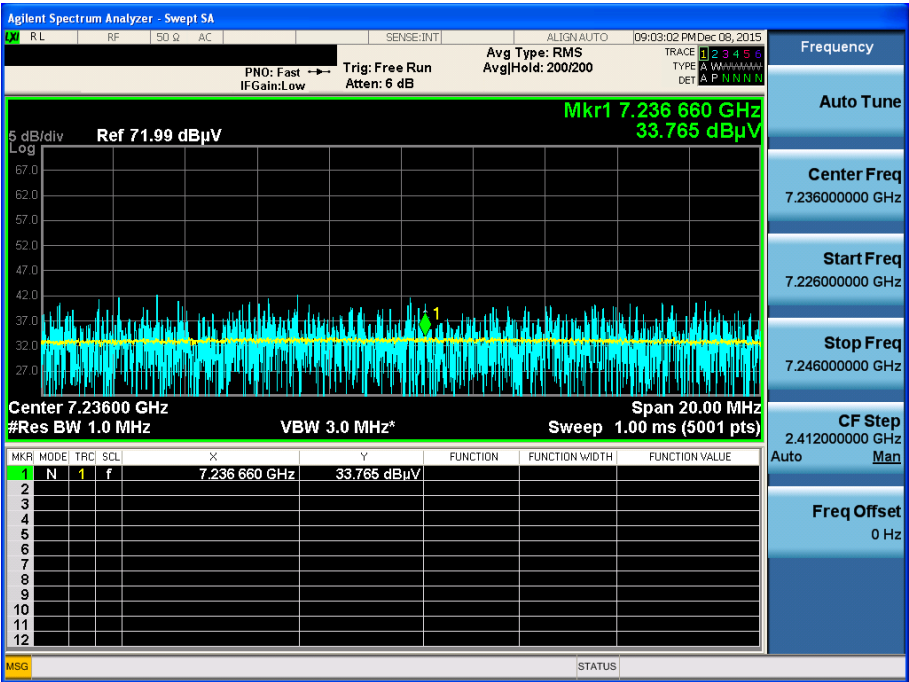
TM 5 & Lowest & Y axis & Hor

Detector Mode : AV



TM 5 & Lowest & Y axis & Hor

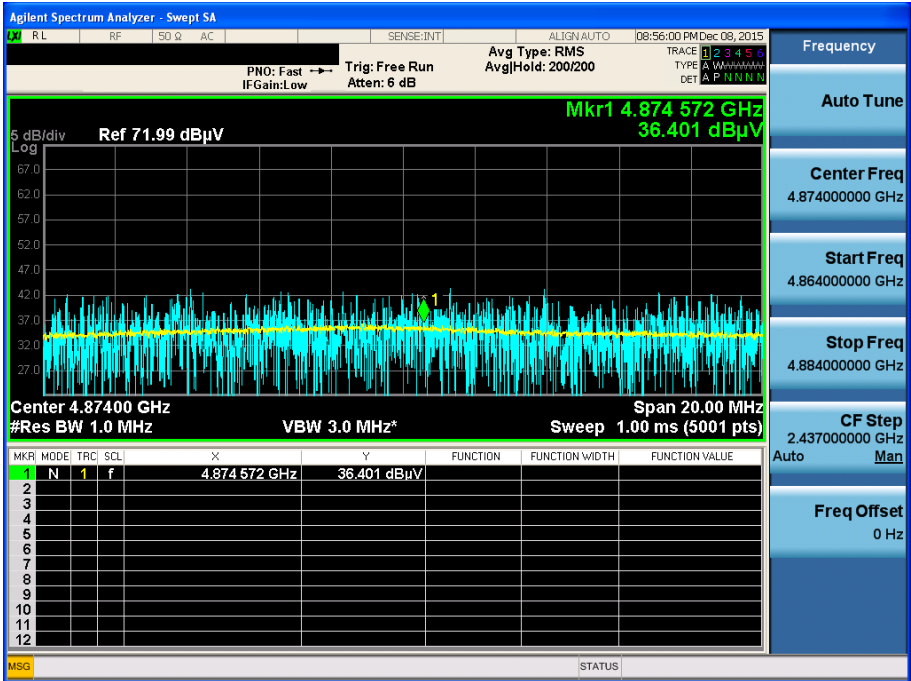
Detector Mode : AV





TM 5 & Middle & Y axis & Hor

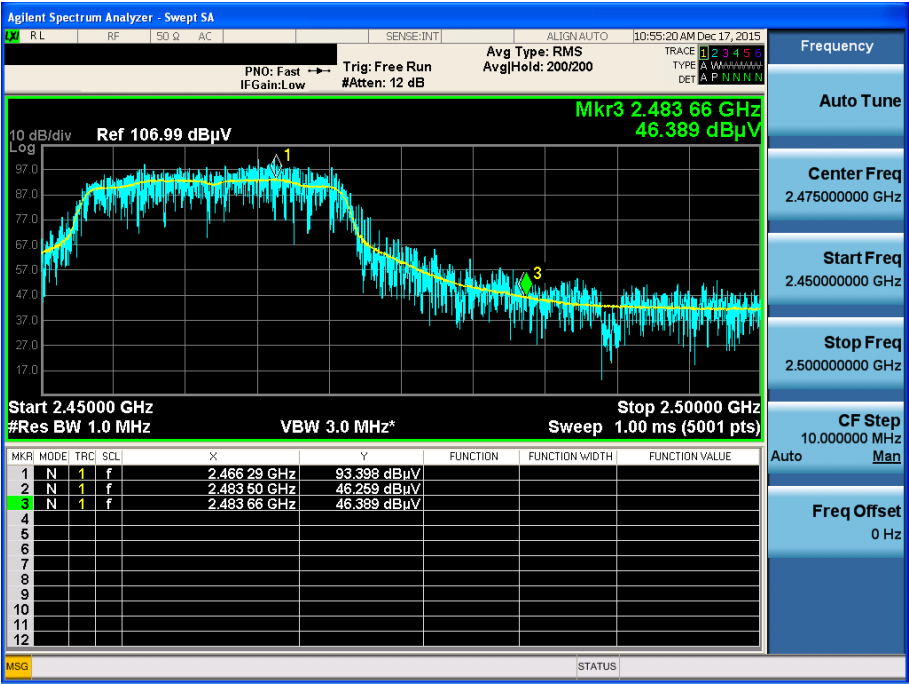
Detector Mode : AV





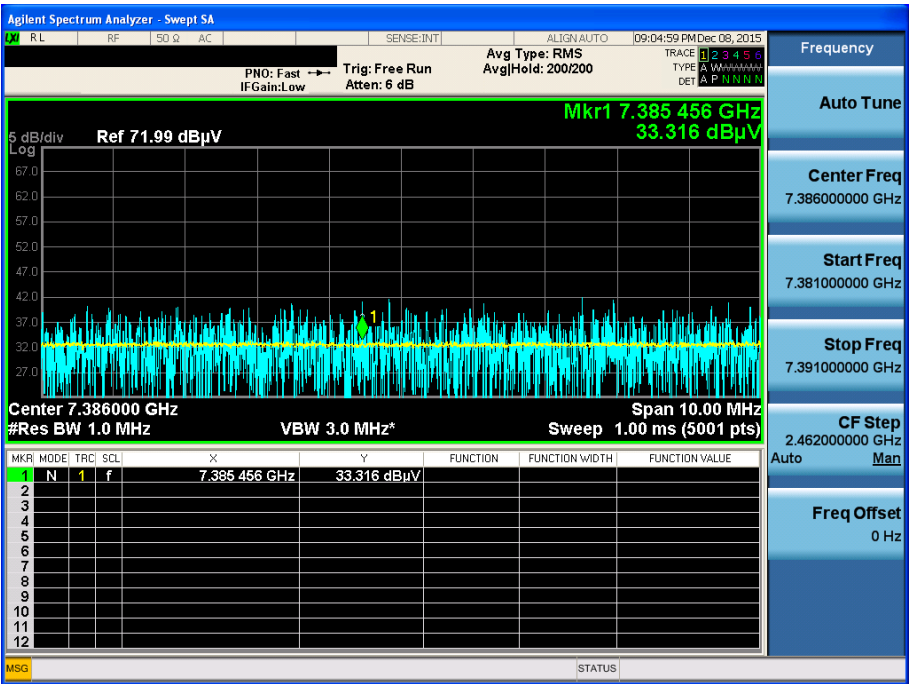
TM 5 & Highest & Y axis & Hor

Detector Mode : AV



TM 5 & Highest & Y axis & Hor

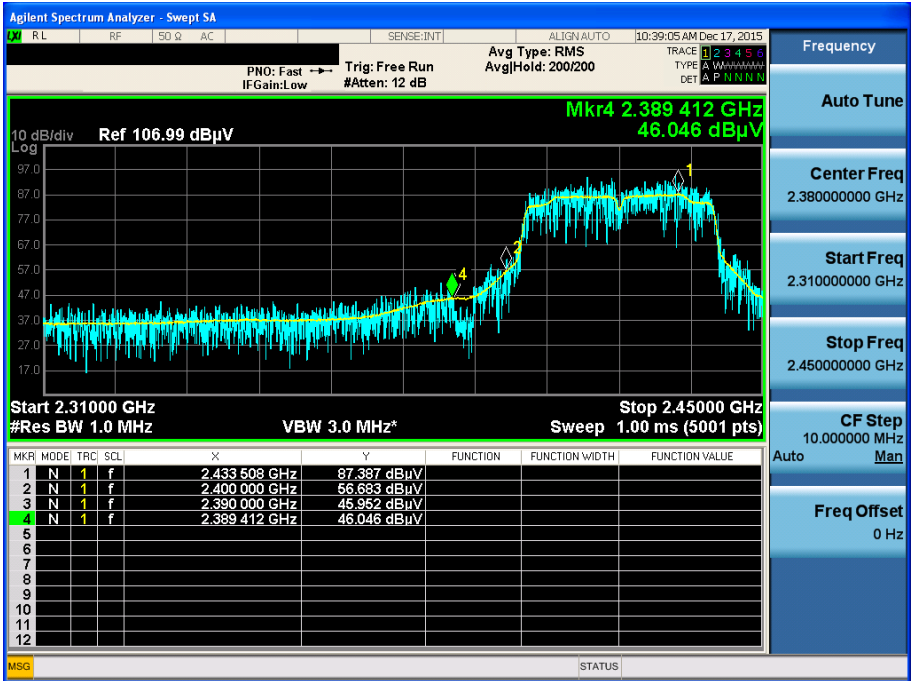
Detector Mode : AV





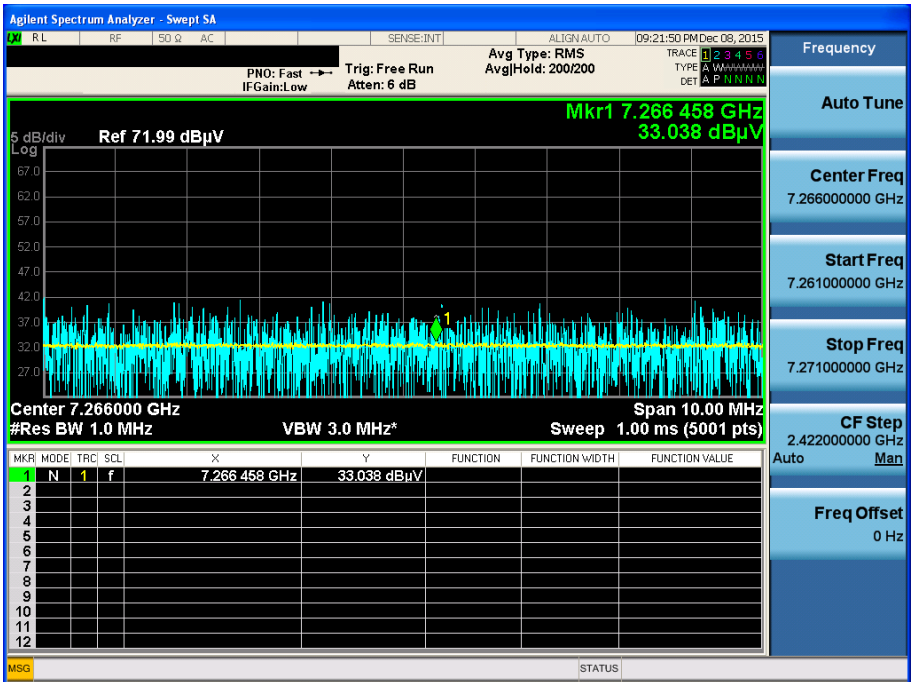
TM 6 & Lowest & Y axis & Hor

Detector Mode : AV



TM 6 & Lowest & Y axis & Hor

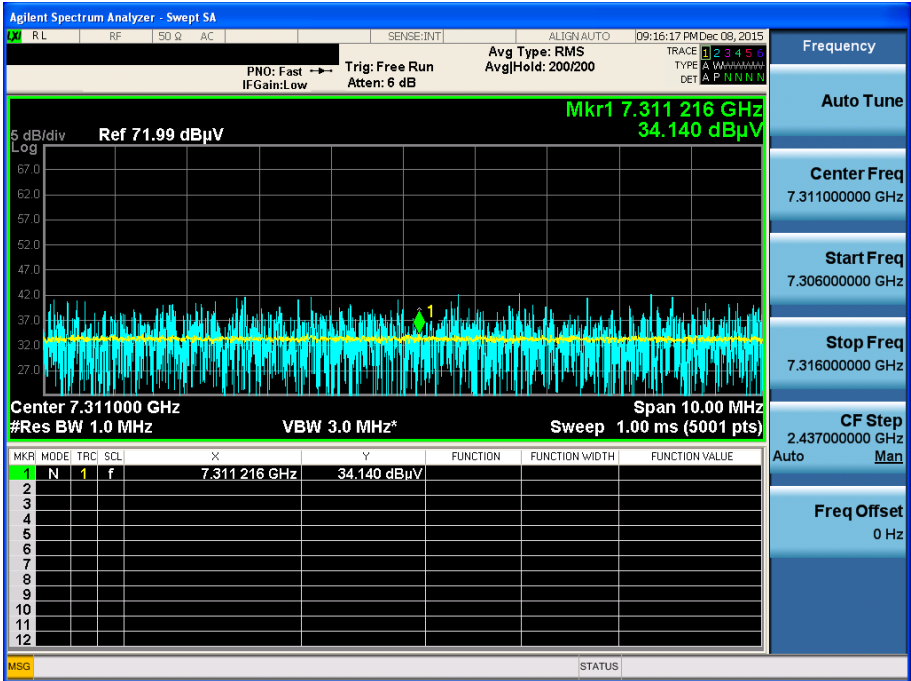
Detector Mode : AV





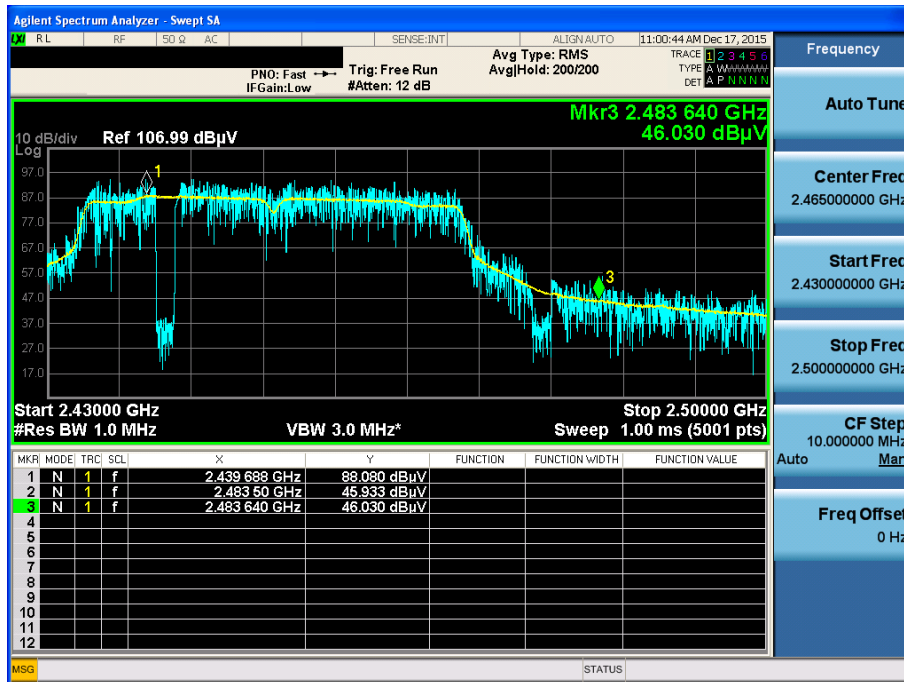
TM 6 & Middle & Y axis & Hor

Detector Mode : AV



TM 6 & Highest & Y axis & Hor

Detector Mode : AV



TM 6 & Highest & Y axis & Hor

Detector Mode : AV

