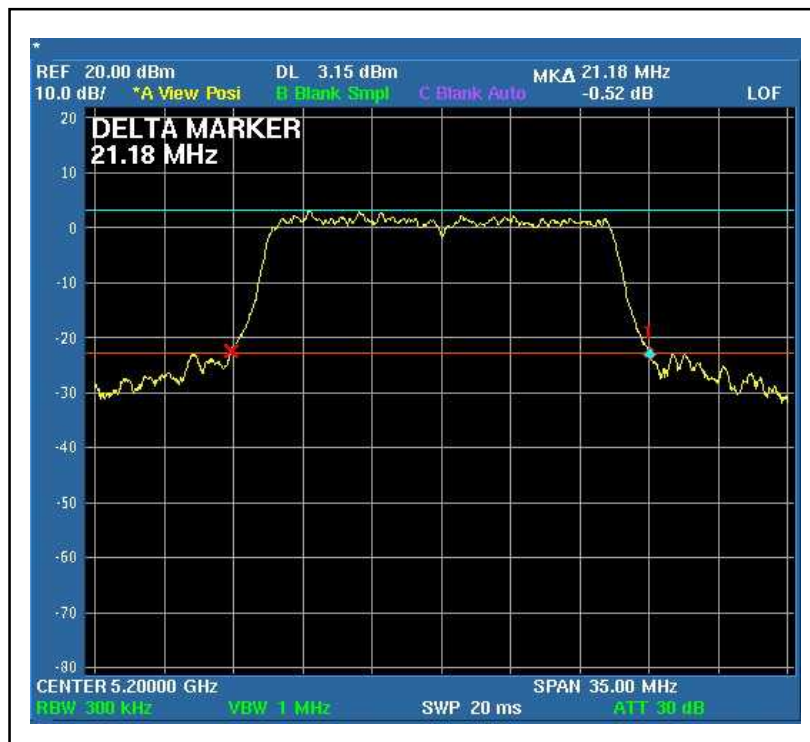


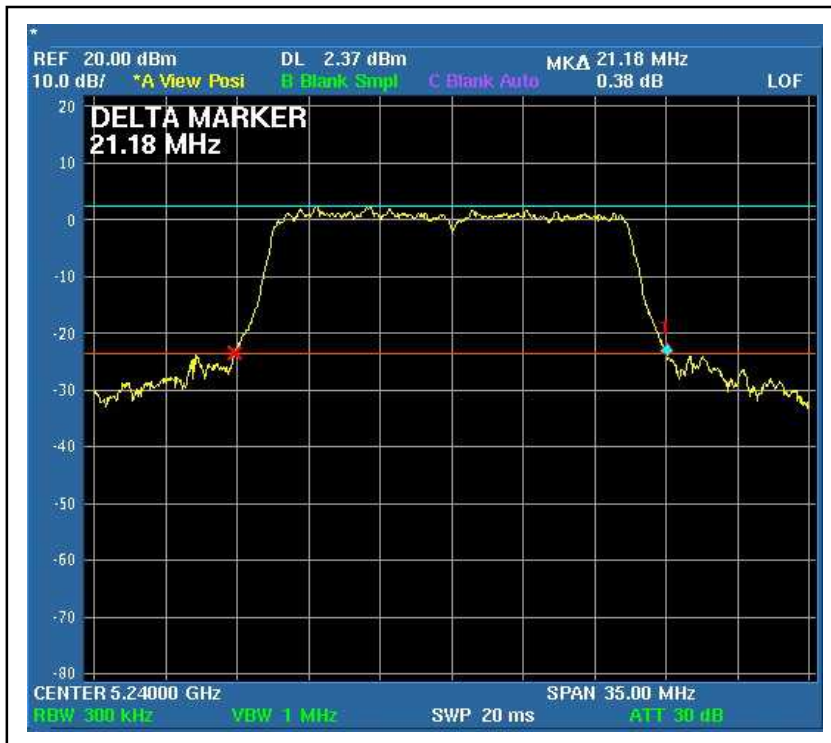
26dB Occupied Bandwidth:
For Chain (0) :CH1



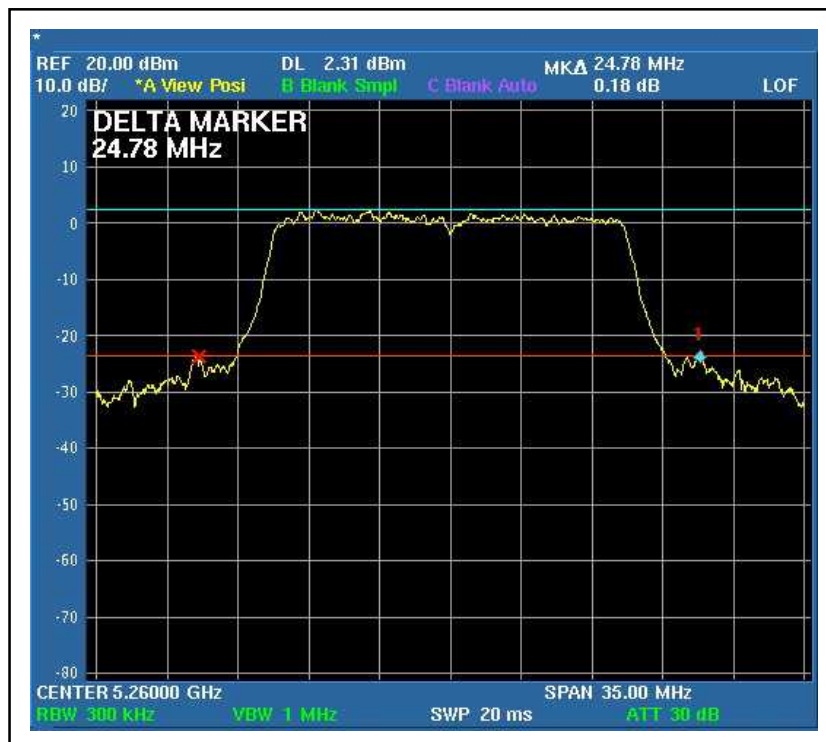
CH2



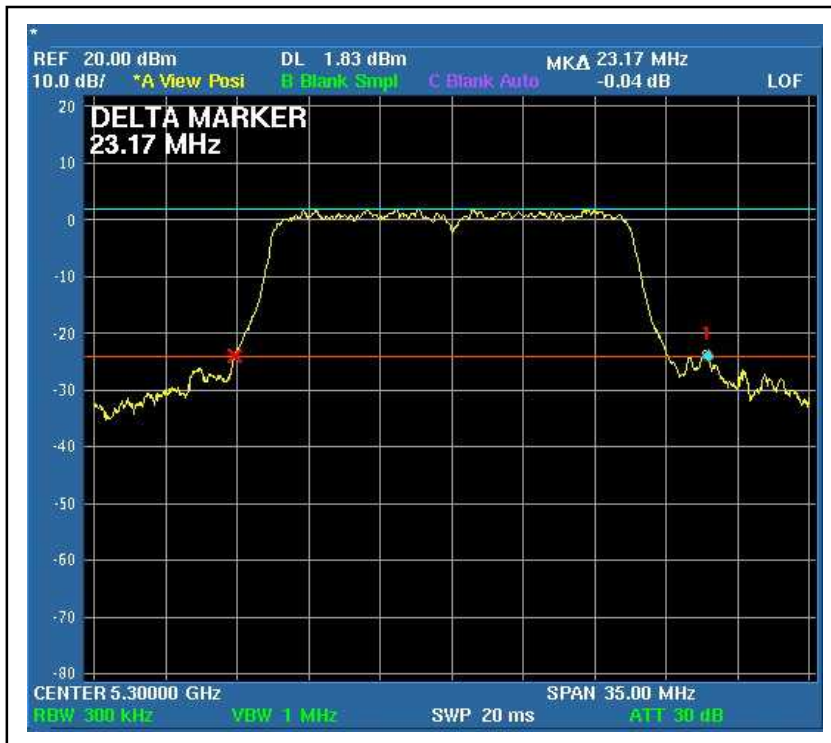
CH4



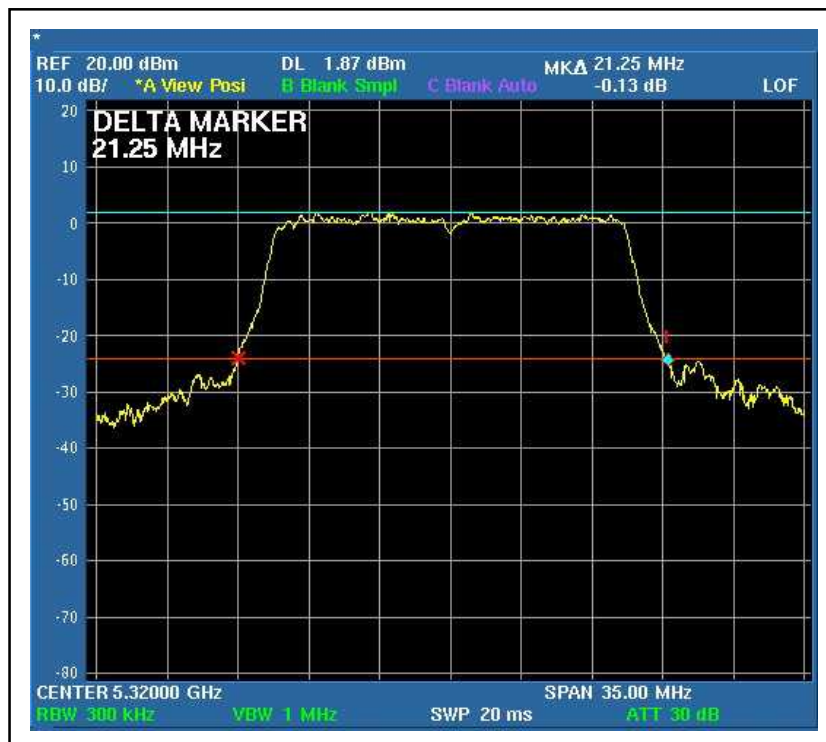
CH5



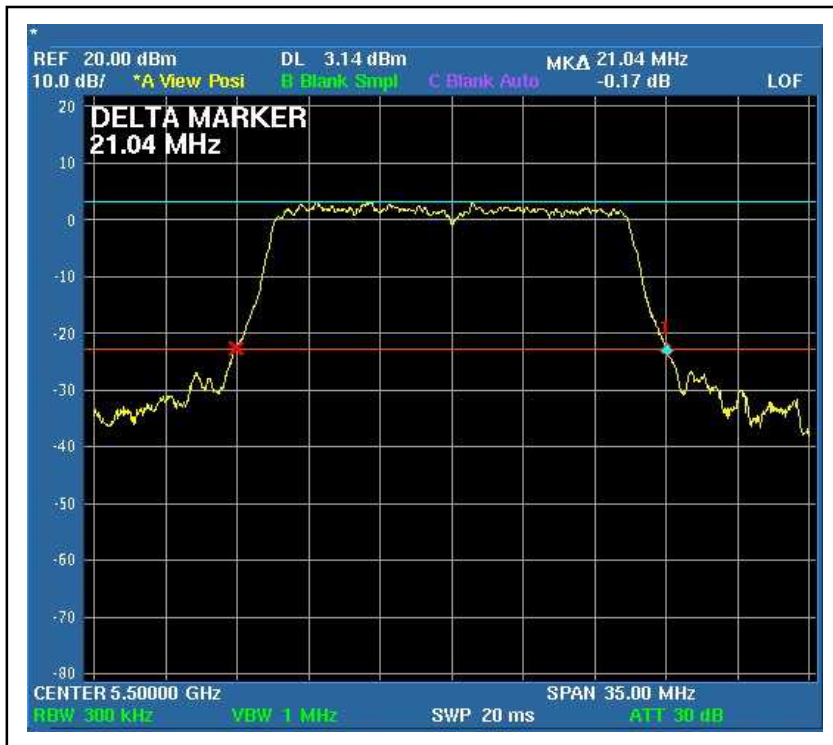
CH7



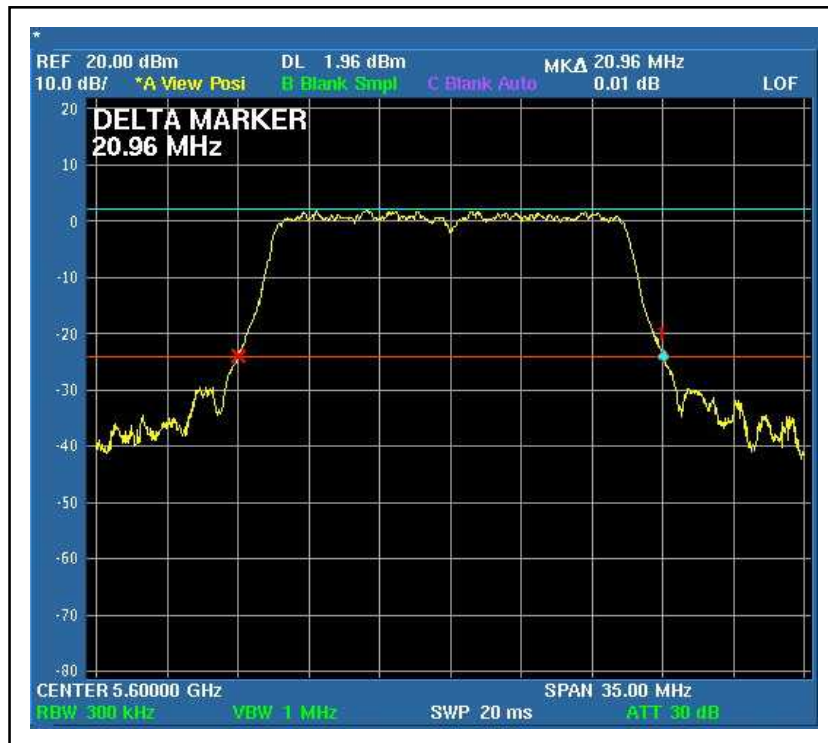
CH8



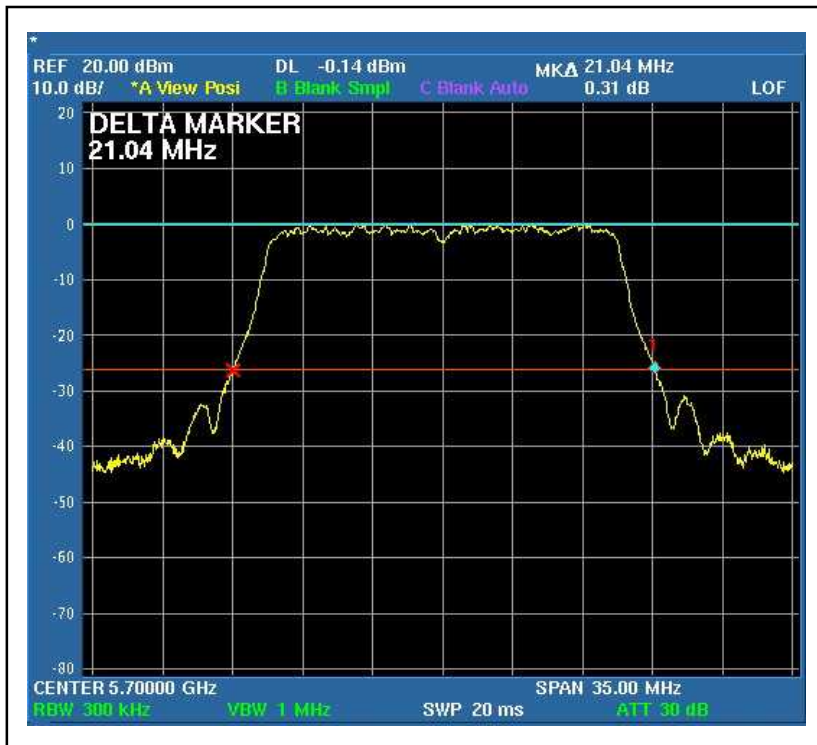
CH9



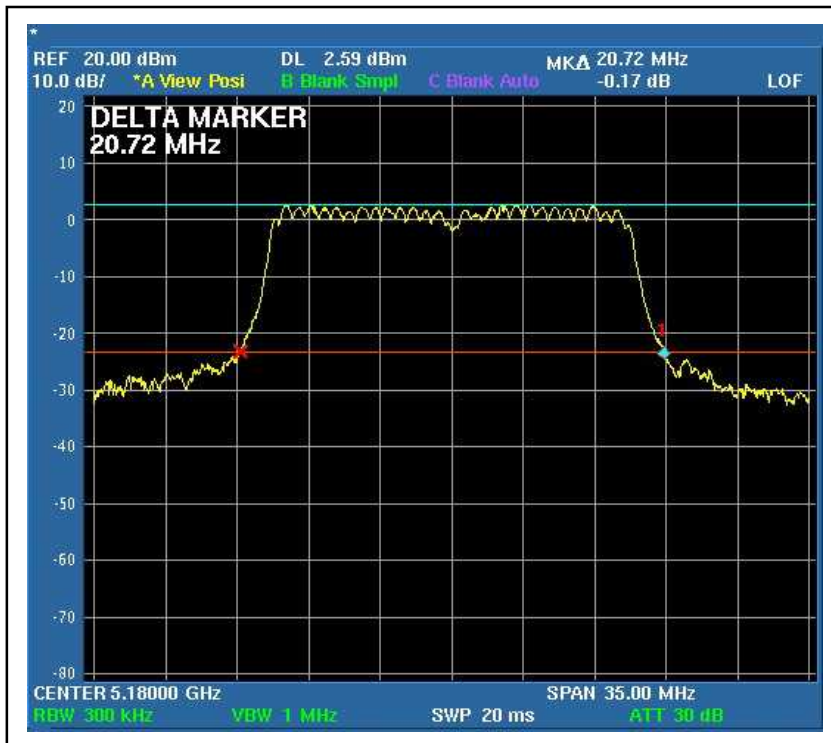
CH14



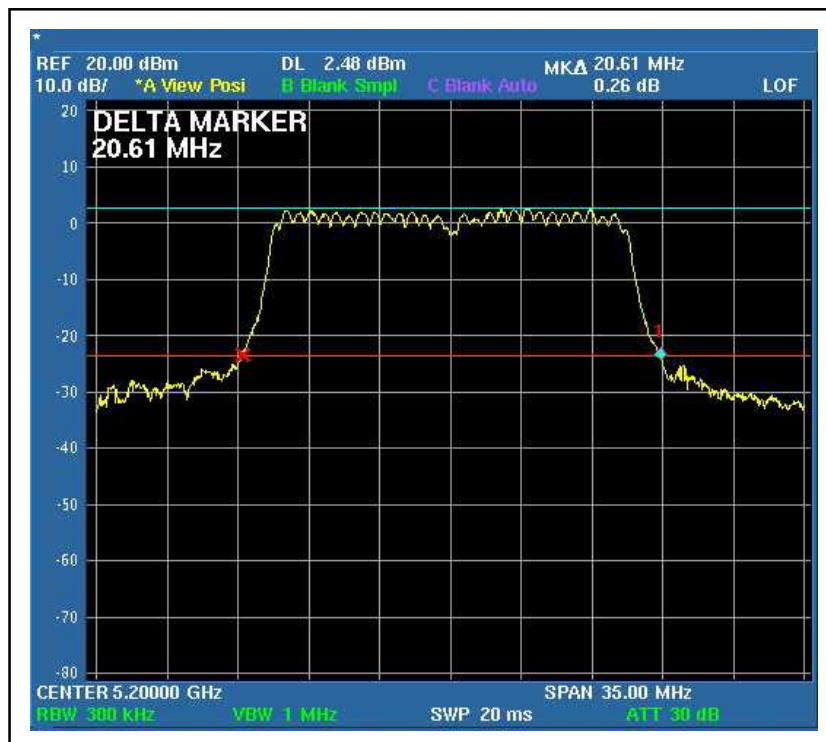
CH19



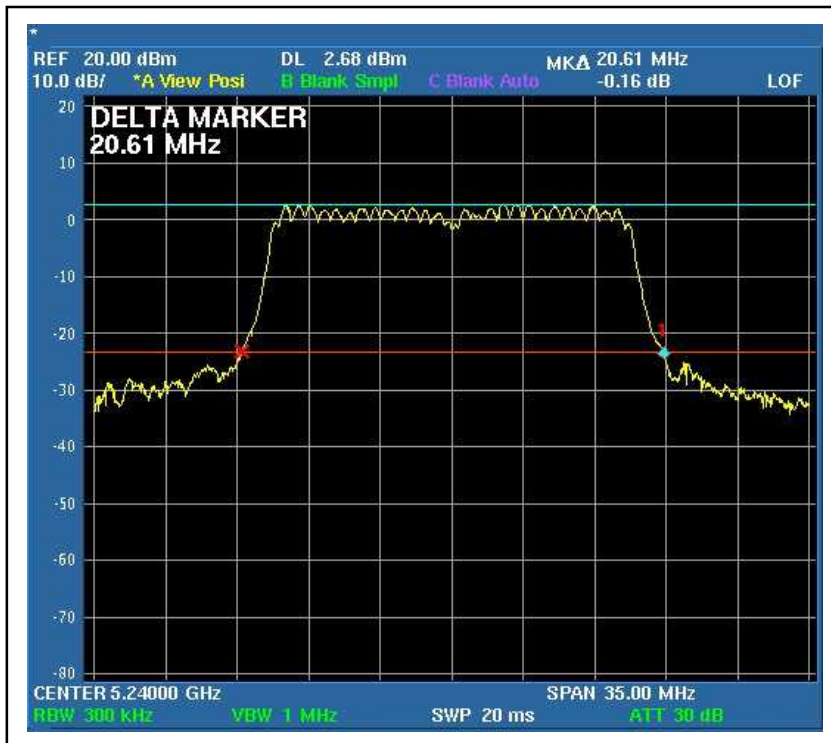
For Chain (1) :CH1



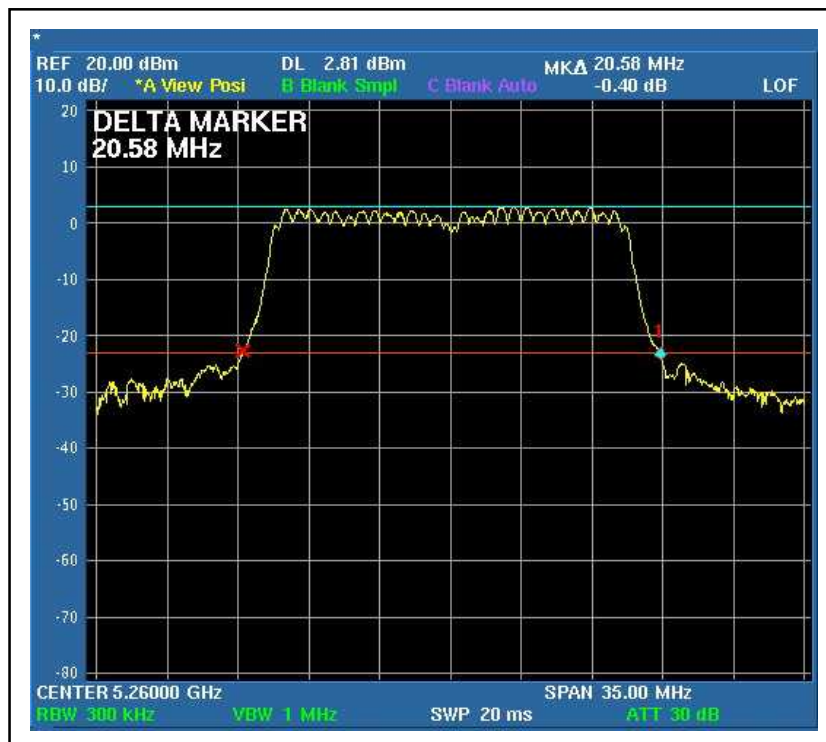
CH2



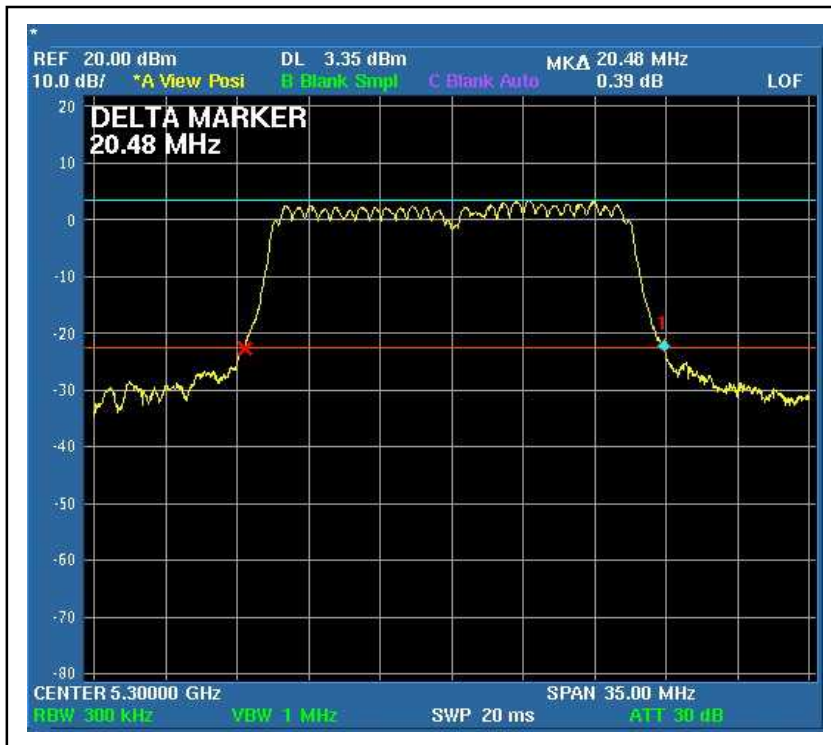
CH4



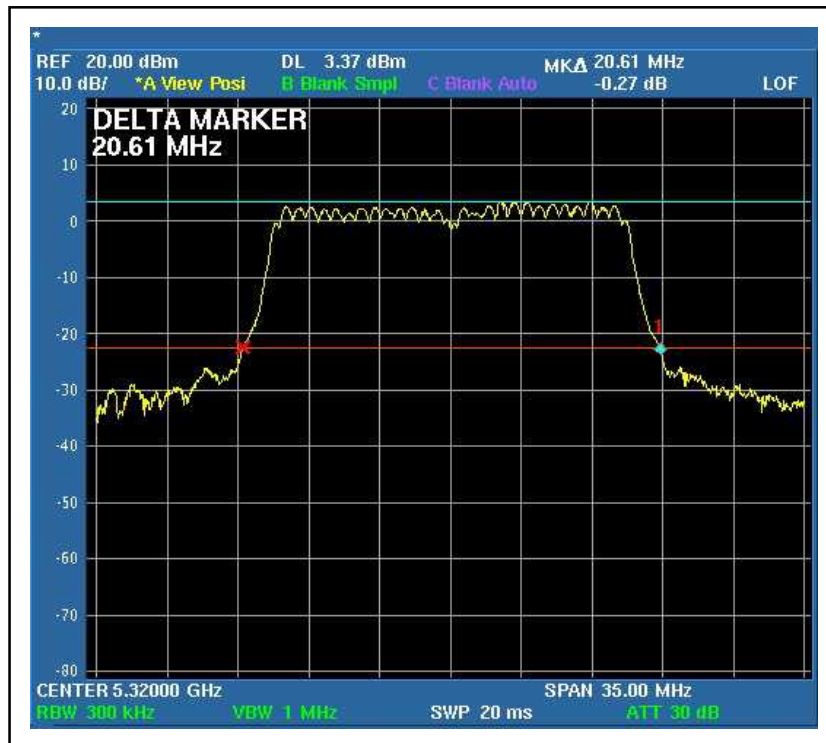
CH5



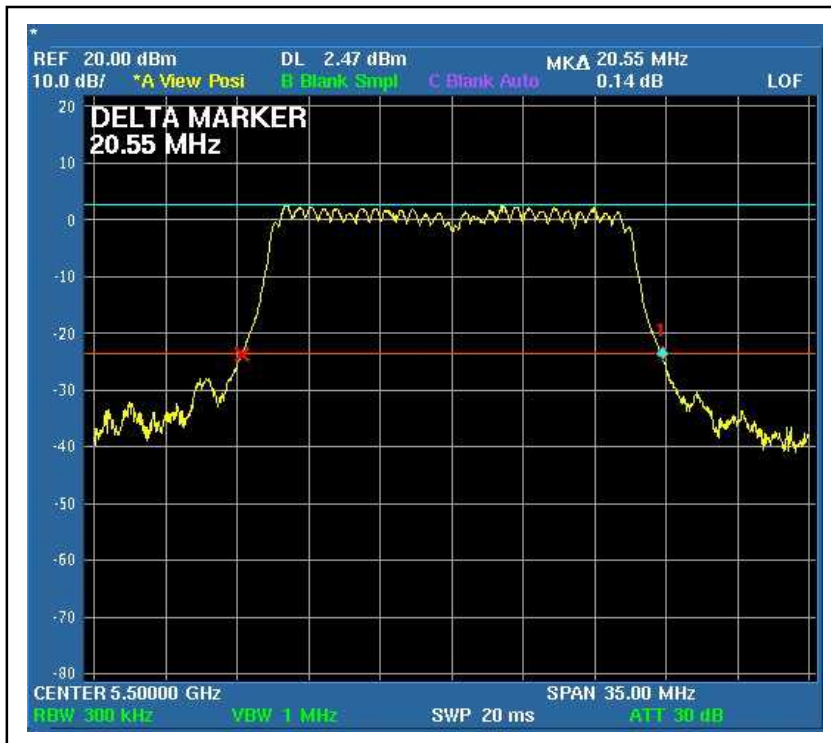
CH7



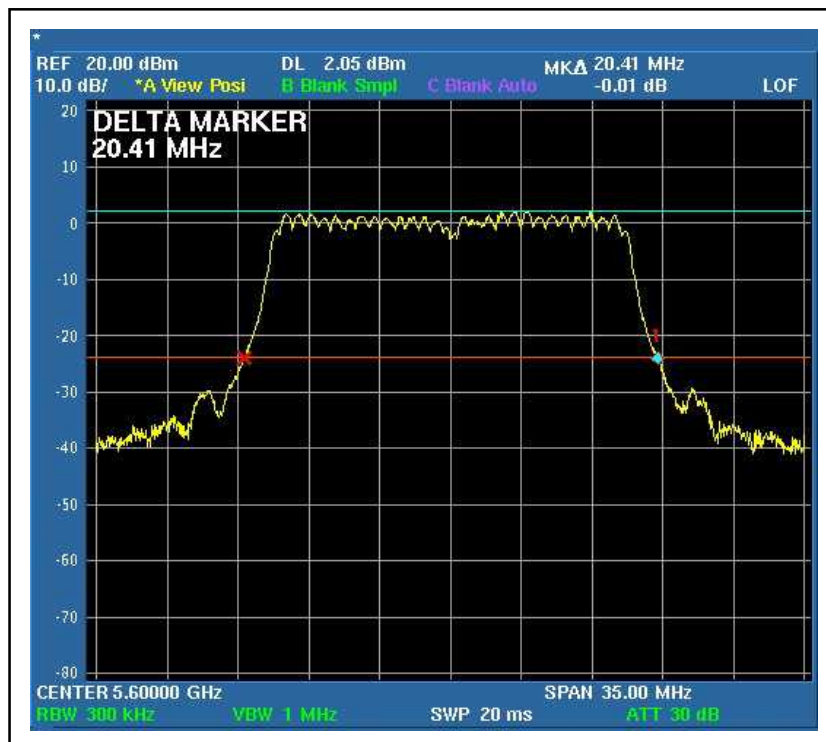
CH8



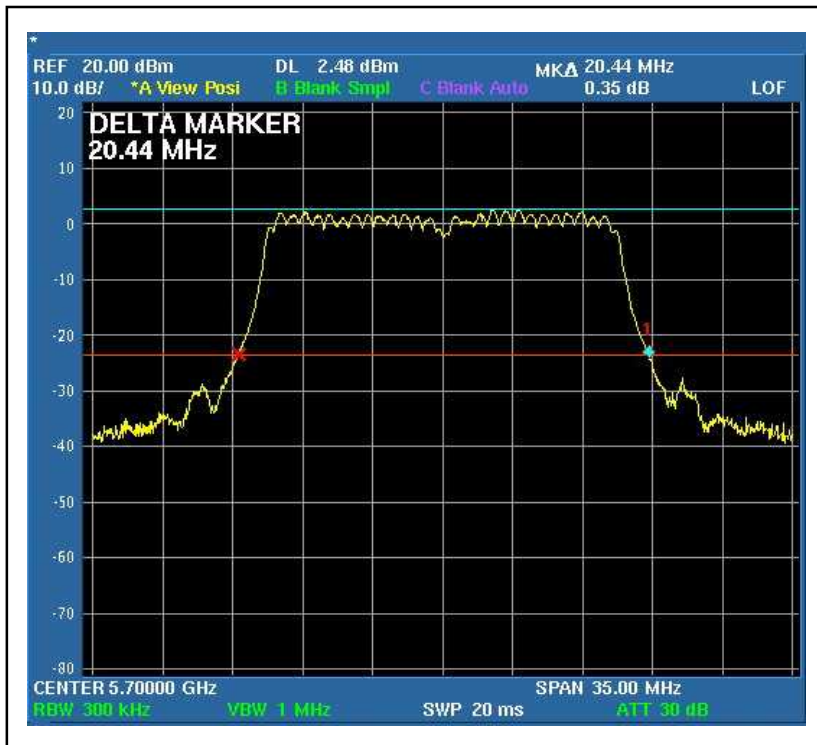
CH9



CH14



CH19





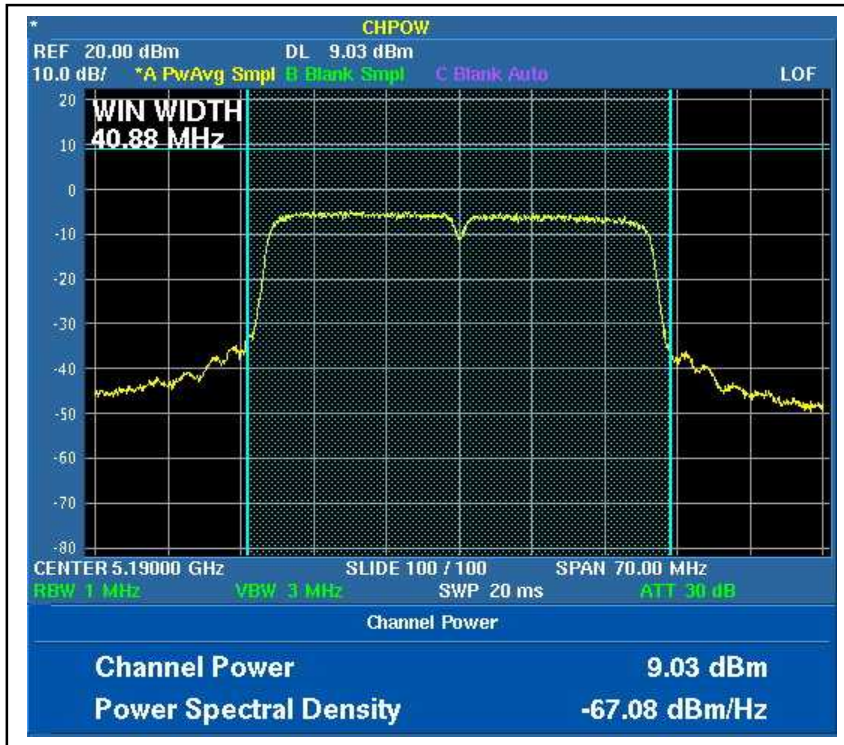
DRAFT 802.11n (40MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	27Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Wen Yu		

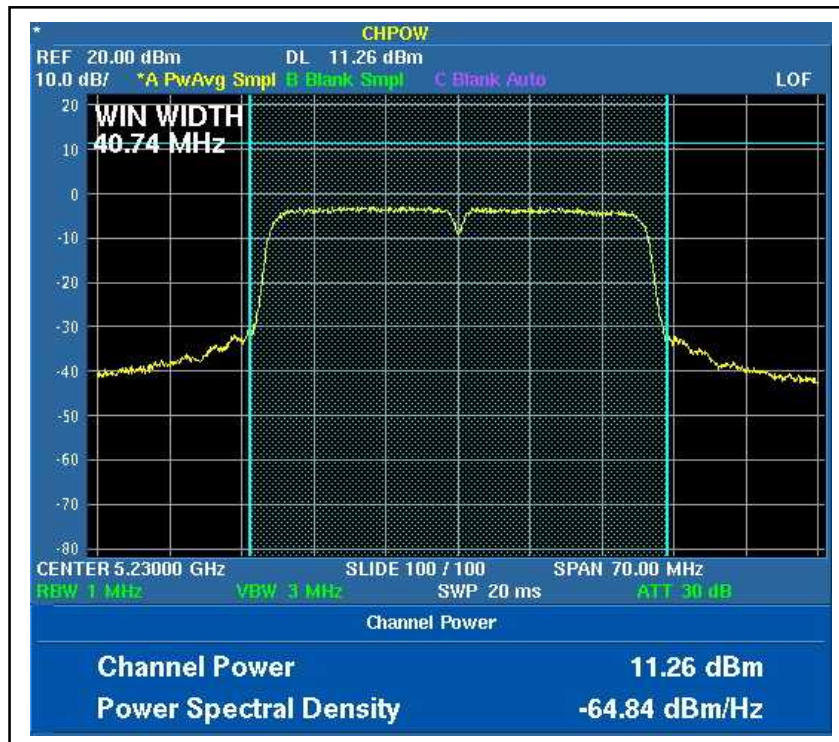
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)		PEAK POWER OUTPUT (mW)		TOTAL PEAK POWER (dBm)	TOTAL PEAK POWER (mW)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)		PASS/FAIL
		Chain 0	Chain 1	Chain 0	Chain 1				Chain 0	Chain 1	
1	5190	9.03	9.19	7.998	8.299	12.12	16.297	17.00	40.88	40.11	PASS
2	5230	11.26	11.04	13.366	12.706	14.16	26.072	17.00	40.74	40.46	PASS
3	5270	11.26	11.45	13.366	13.964	14.37	27.330	24.00	41.02	40.53	PASS
4	5310	8.66	10.13	7.345	10.304	12.47	17.649	24.00	40.6	40.11	PASS
5	5510	10.99	11.61	12.560	14.488	14.32	27.048	24.00	40.6	40.18	PASS
7	5590	11.03	11.47	12.677	14.028	14.27	26.705	30.00	40.95	40.67	PASS
9	5670	11.11	11.03	12.912	12.677	14.08	25.589	30.00	40.88	40.46	PASS

NOTE: The 26dBc Occupied Bandwidth plot, please refer to the following pages.

Peak Power Output:
For Chain (0) :CH1



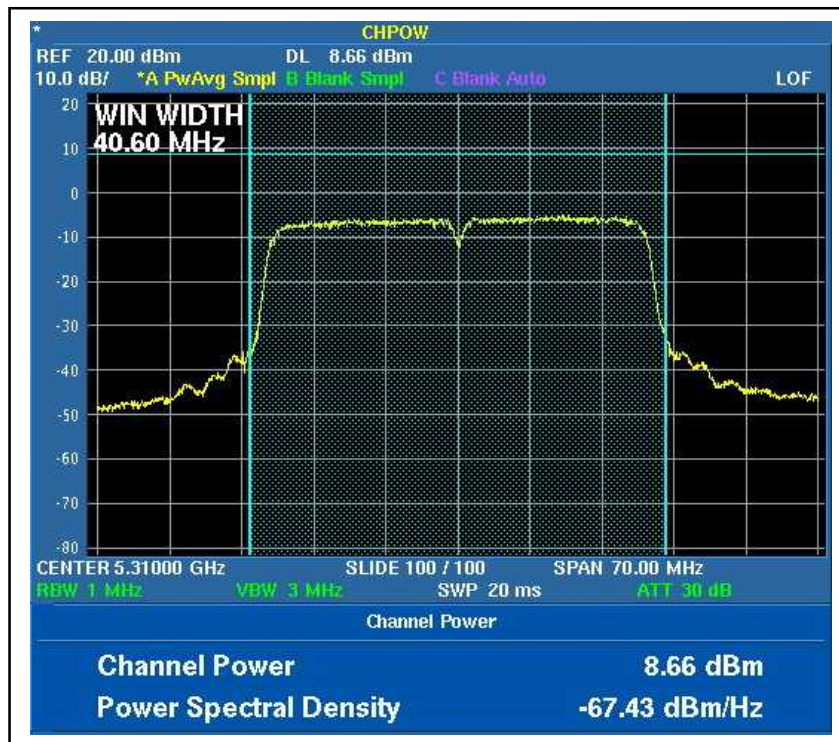
CH2



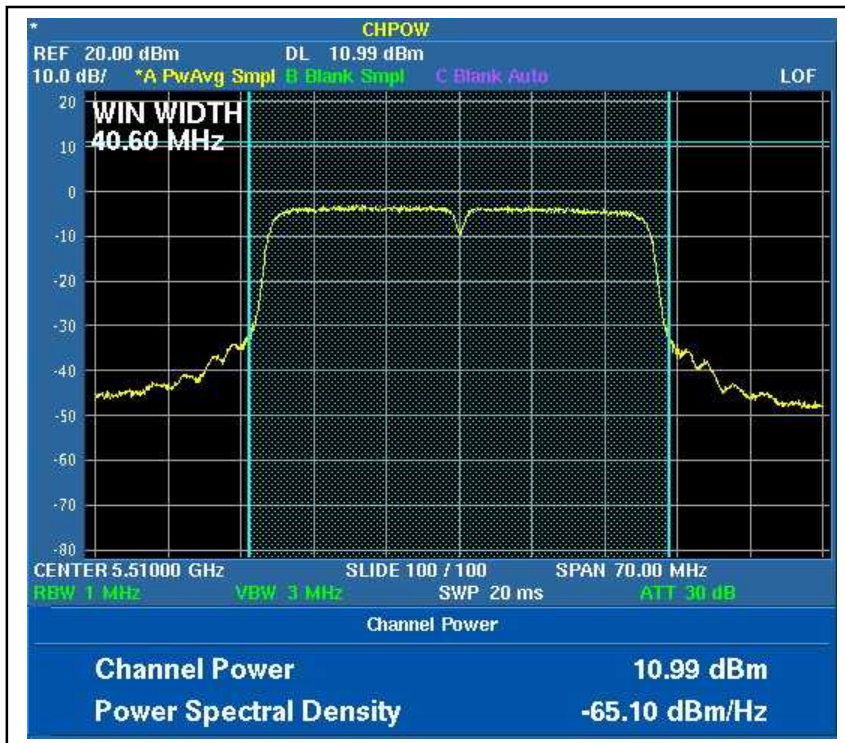
CH3



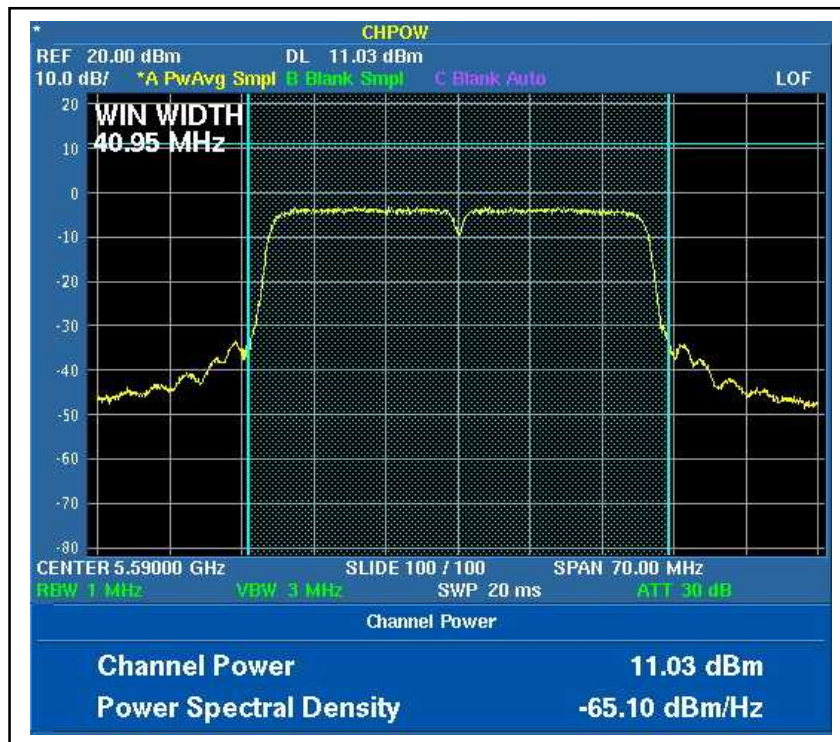
CH4



CH5



CH7



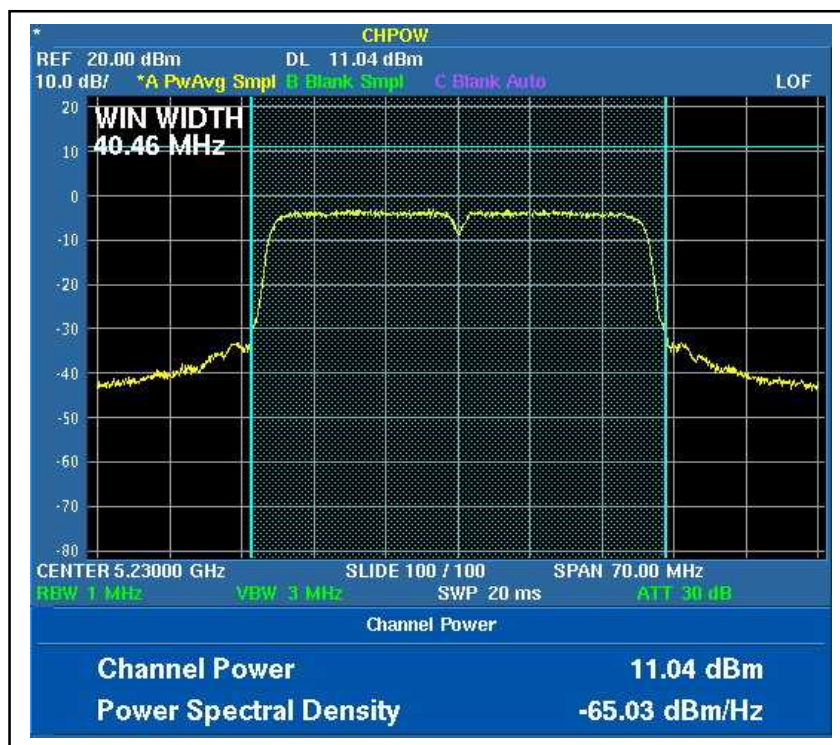
CH9



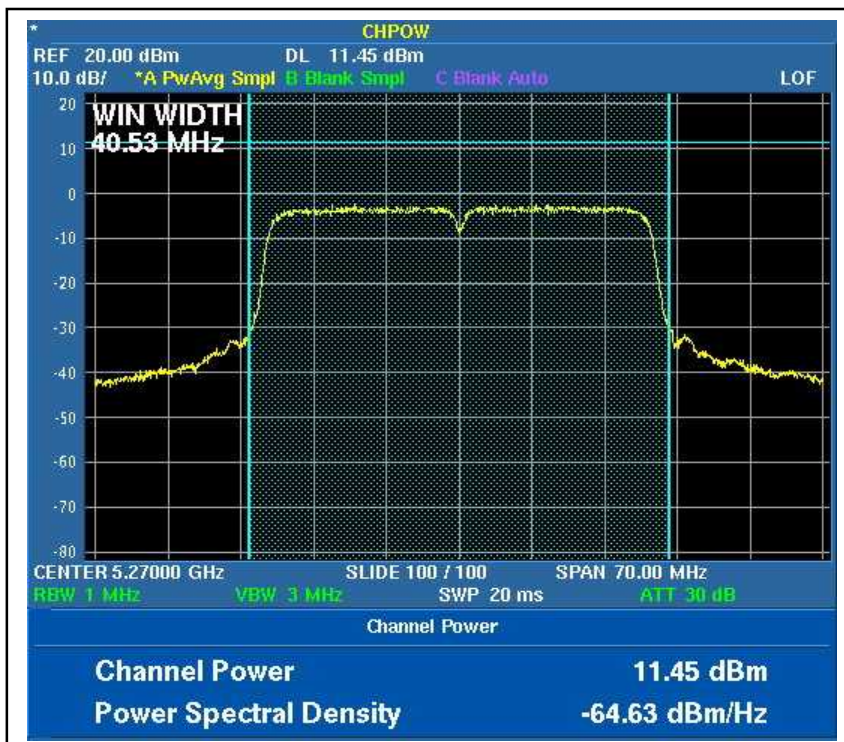
For Chain (1) :CH1



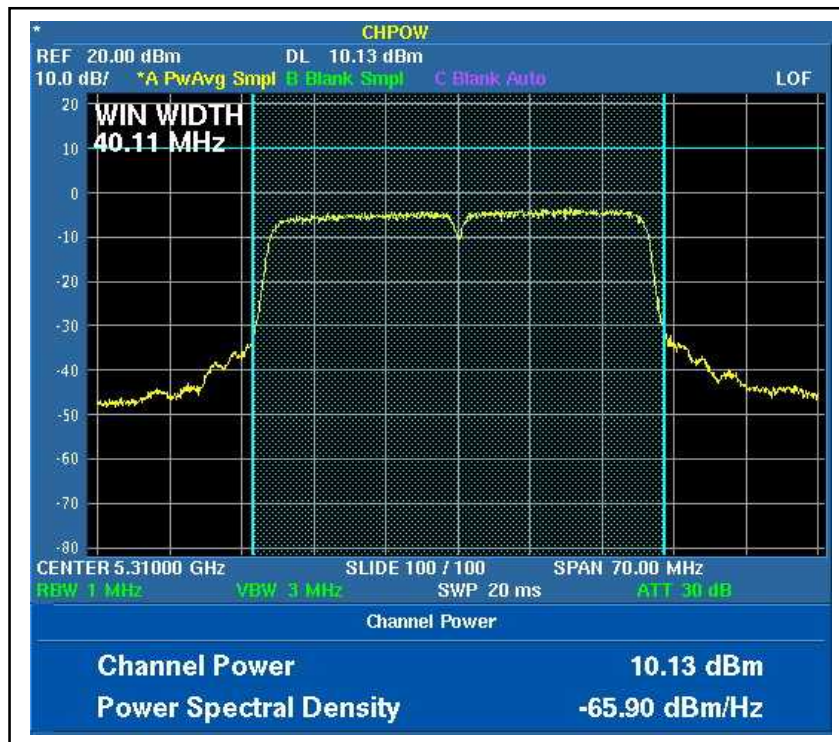
CH2



CH3



CH4



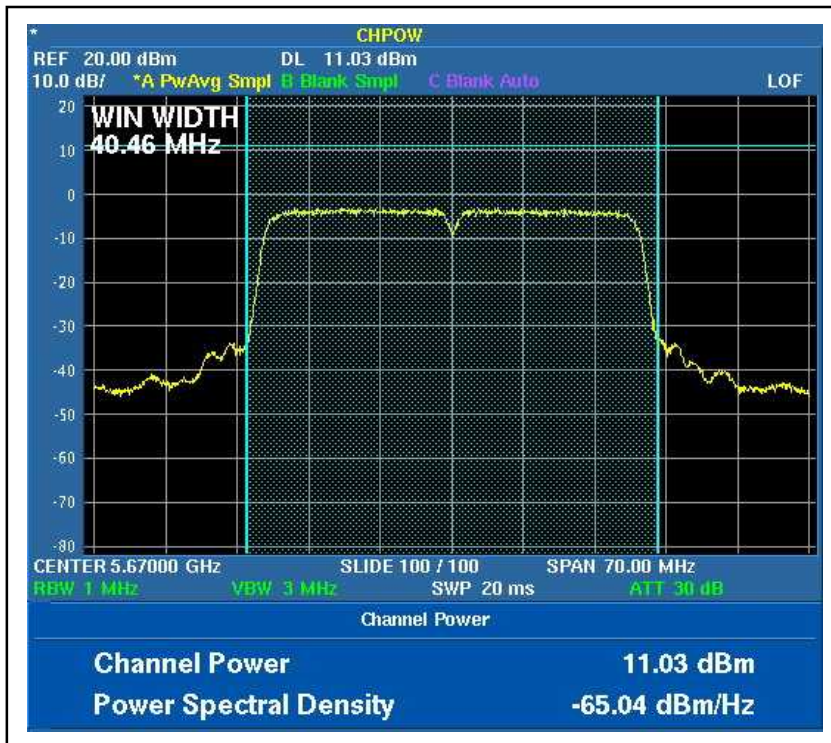
CH5



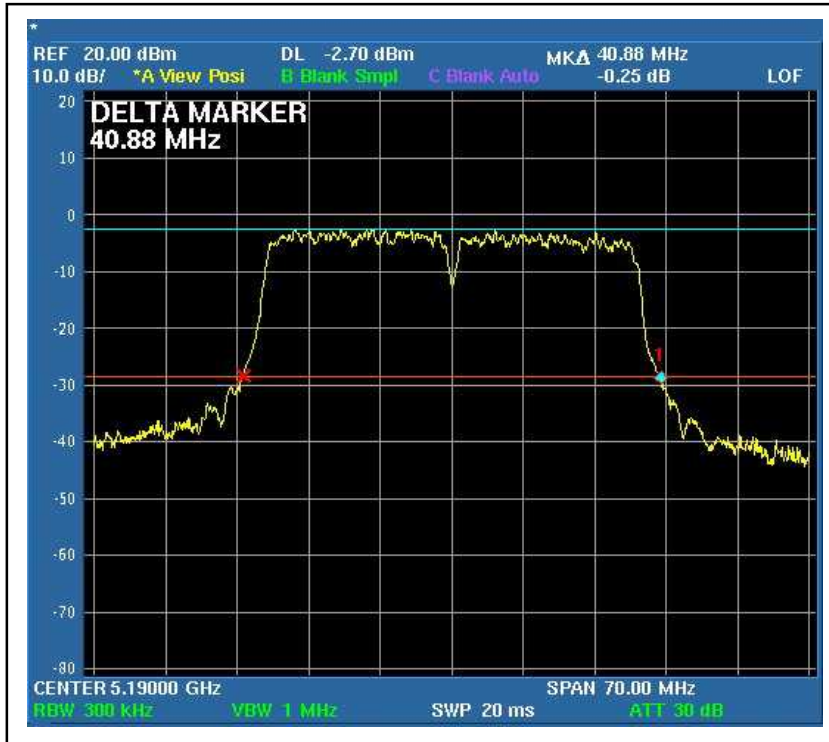
CH7



CH9



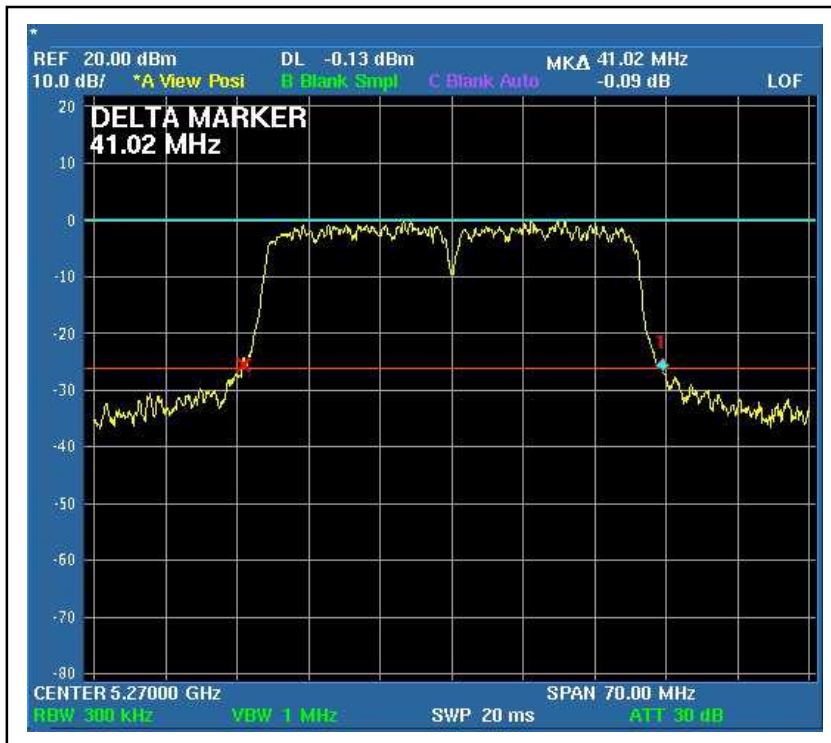
26dB Occupied Bandwidth:
For Chain (0) :CH1



CH2



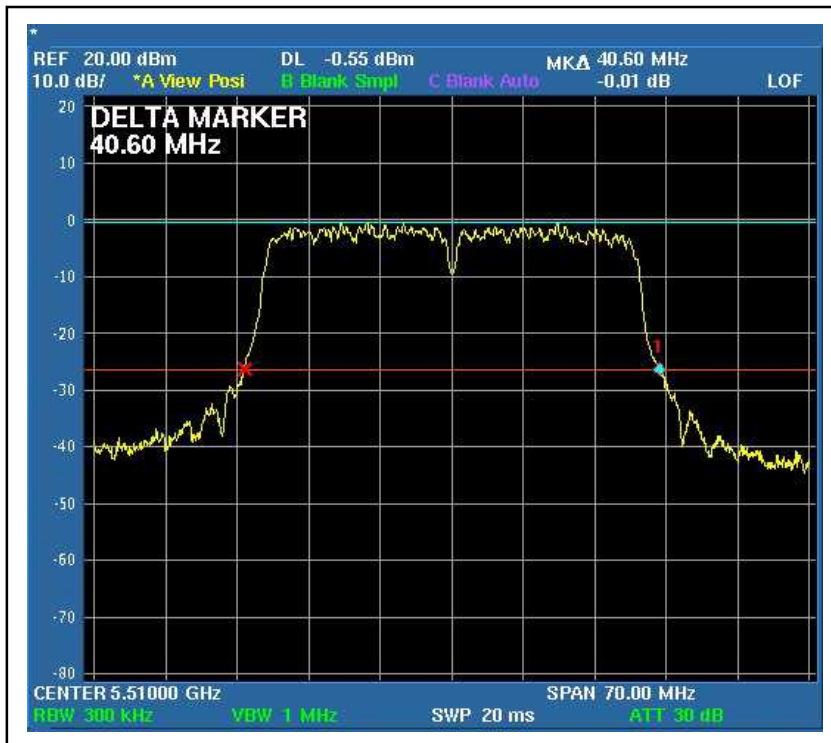
CH3



CH4



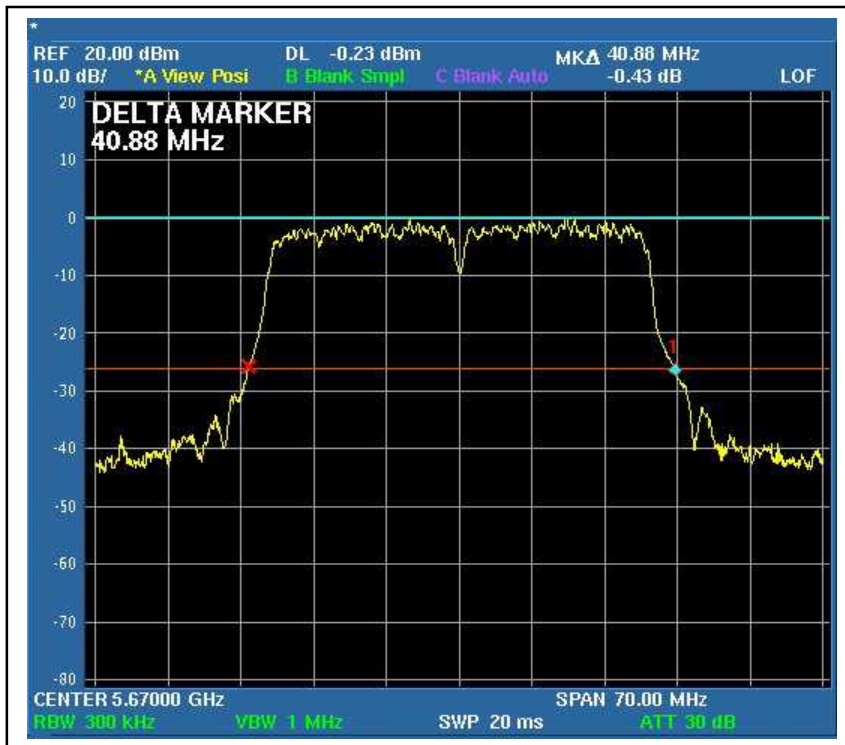
CH5



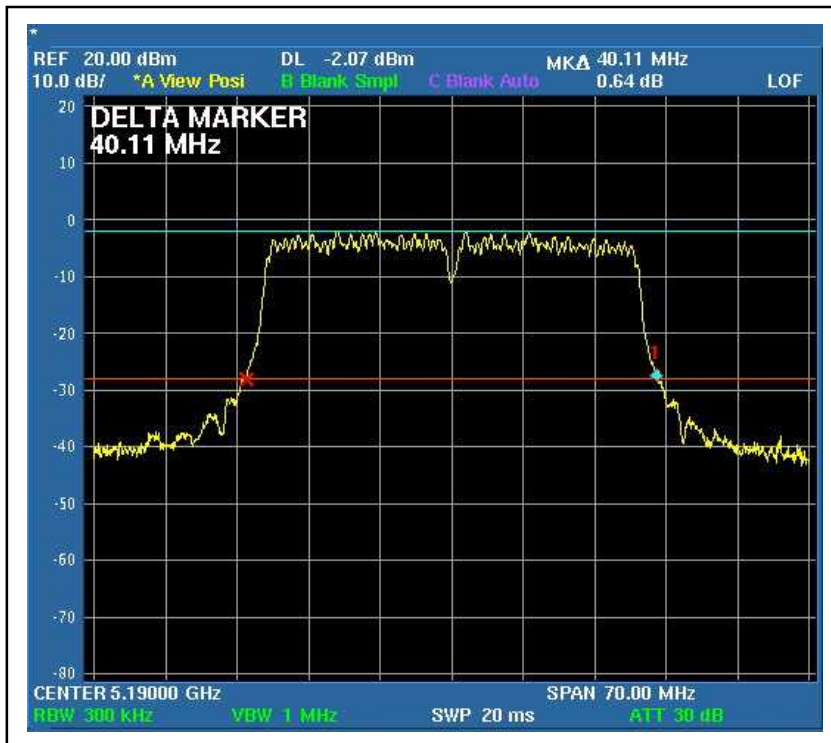
CH7



CH9



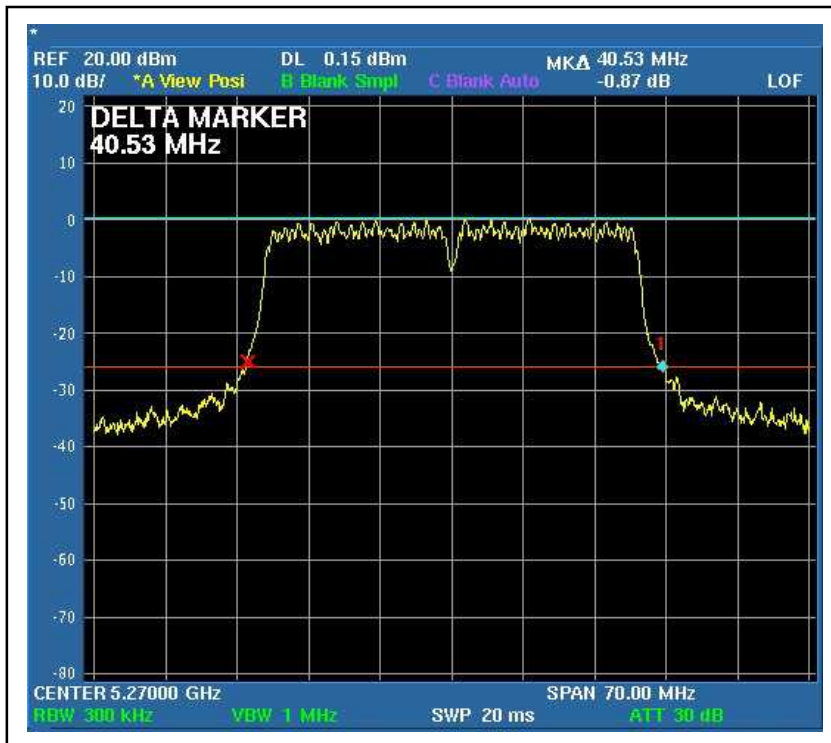
For Chain (1) :CH1



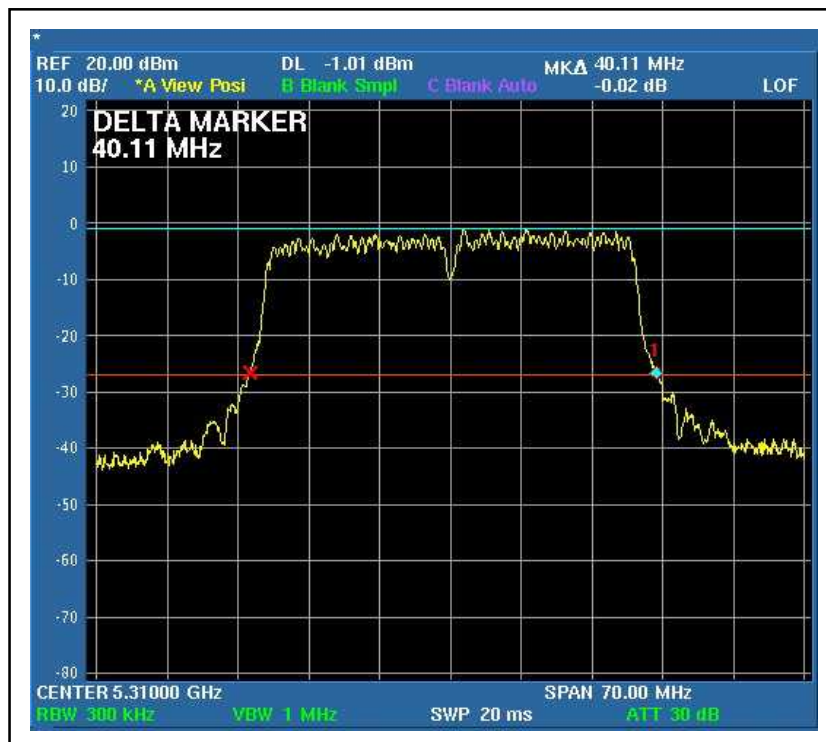
CH2



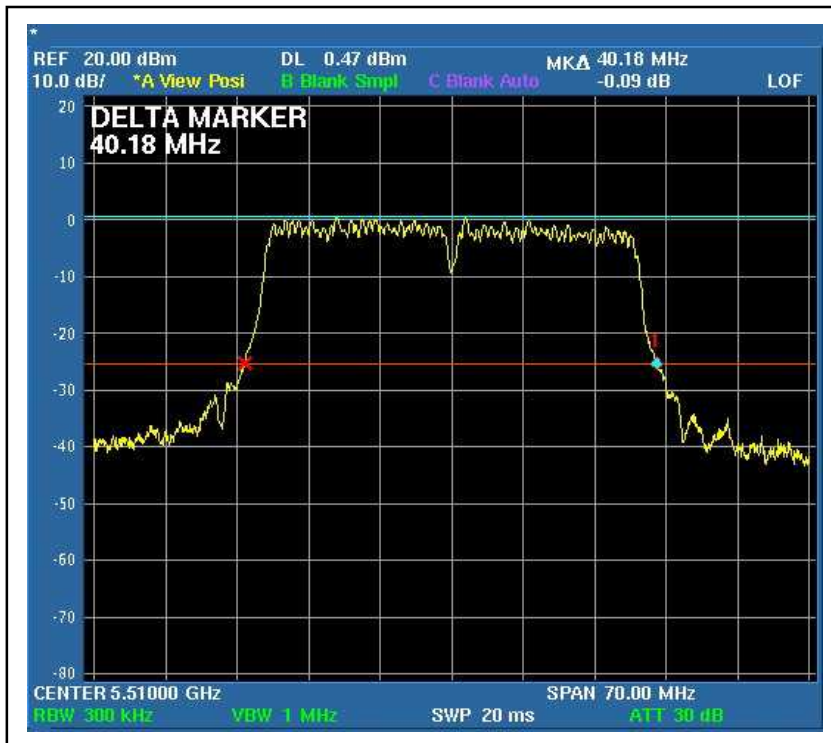
CH3



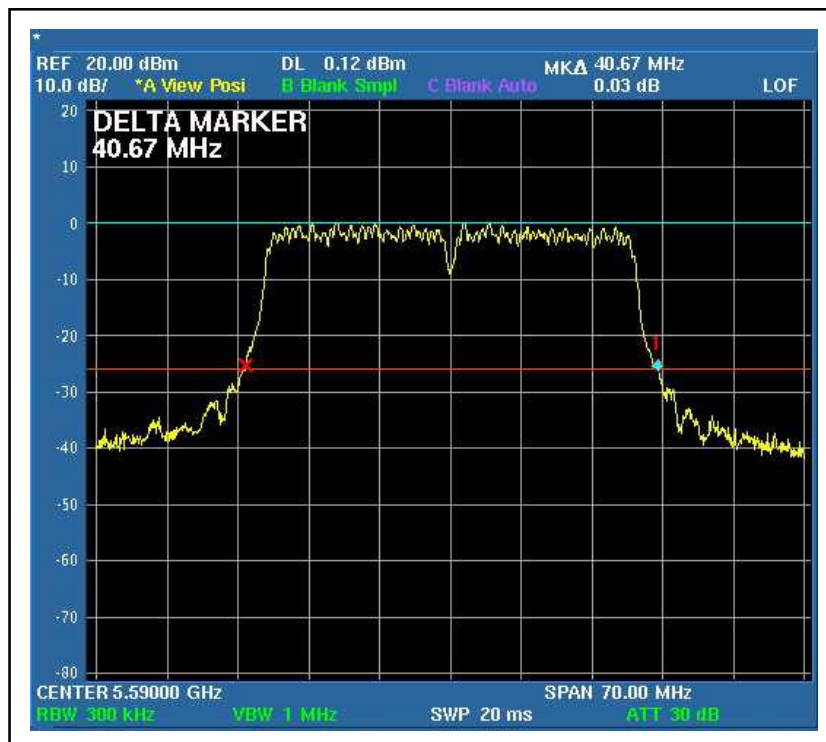
CH4



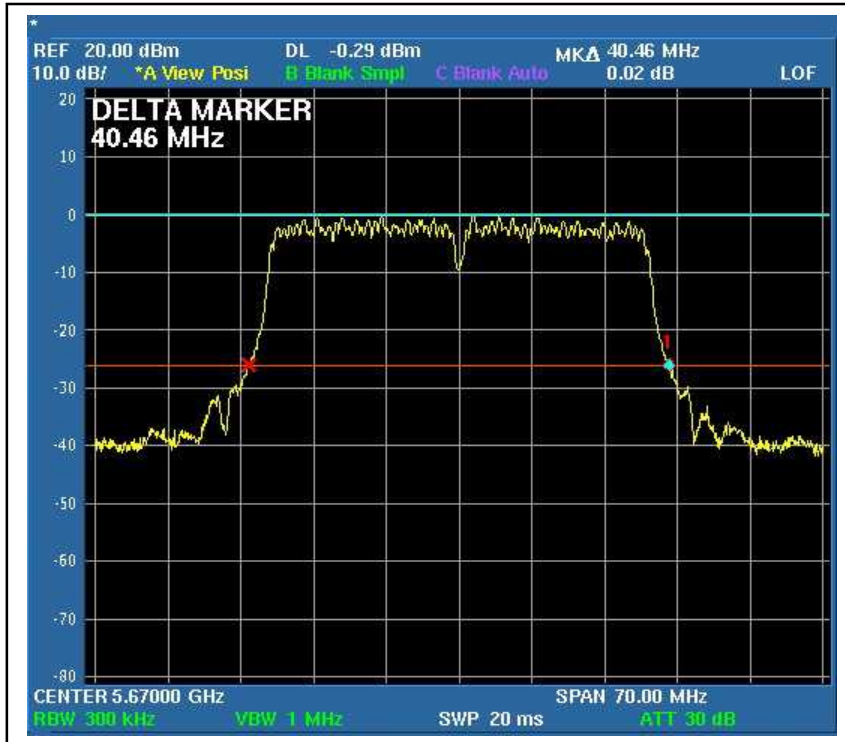
CH5



CH7



CH9





4.4 PEAK POWER EXCURSION MEASUREMENT

4.4.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	13dB
5.25 – 5.35 GHz	13dB
5.47 – 5.725GHz	13dB
5.725 – 5.825 GHz	13dB

4.4.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100037	Aug. 09, 2008	Aug. 08, 2009

NOTE:

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- 2.The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

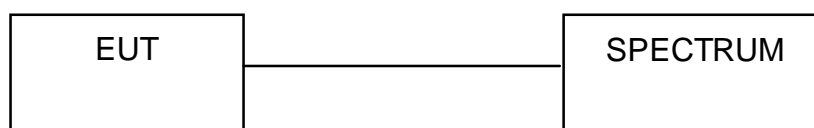
4.4.3 TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer.
2. Set the spectrum bandwidth span to view the entire spectrum.
3. Using peak detector and Max-hold function for Trace 1 (RB=1MHz, VB=3MHz) and 2 (RB=1MHz, VB=300KHz).
4. The largest difference between Trace 1 and Trace 2 in any 1MHz band on any frequency was recorded.

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.



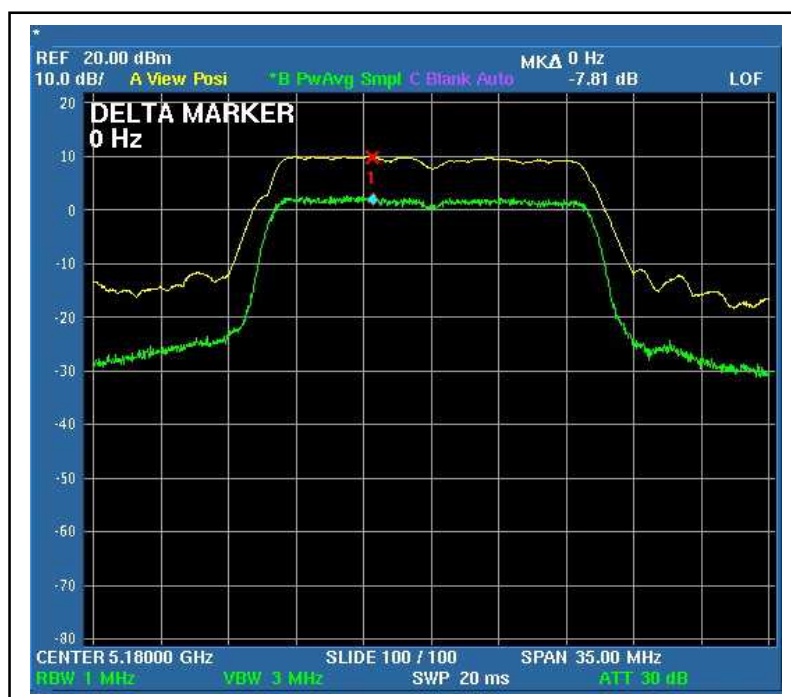
4.4.7 TEST RESULTS

802.11a OFDM modulation

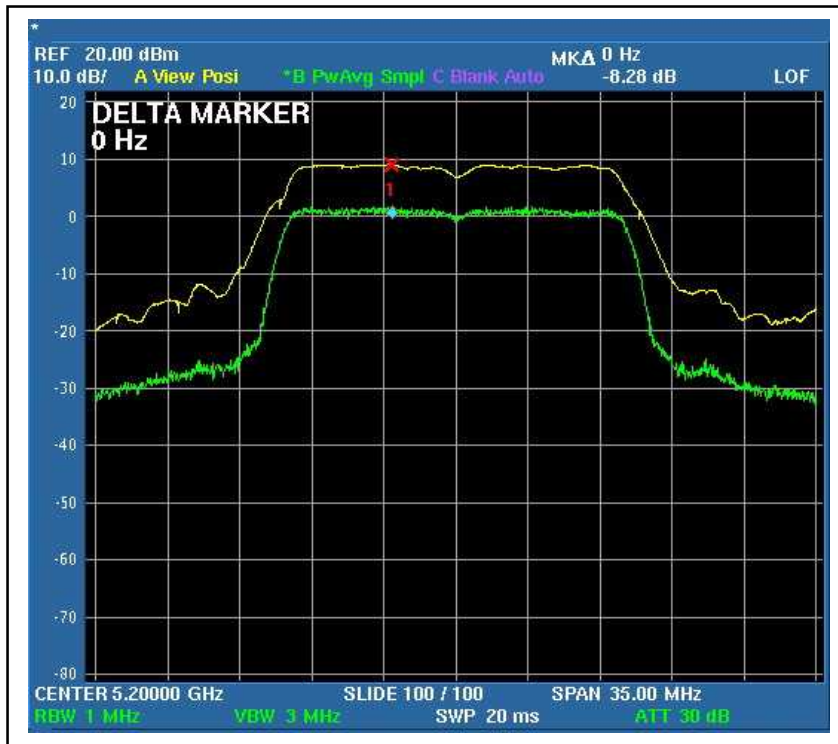
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	7.81	13	PASS
2	5200	8.28	13	PASS
4	5240	8.52	13	PASS
5	5260	8.48	13	PASS
7	5300	7.72	13	PASS
8	5320	8.91	13	PASS
9	5500	7.94	13	PASS
14	5600	7.6	13	PASS
19	5700	8.59	13	PASS

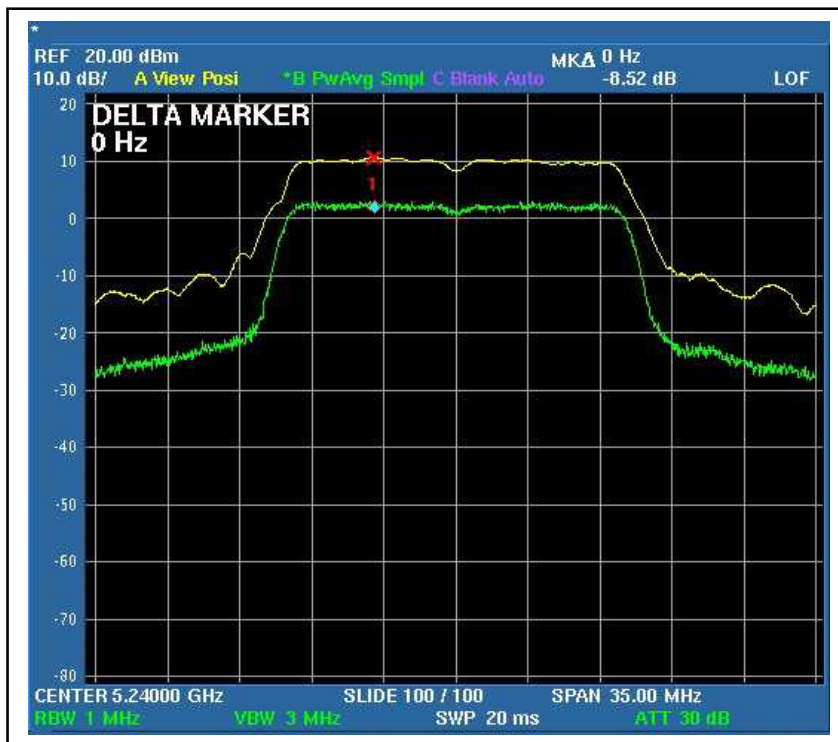
CH1



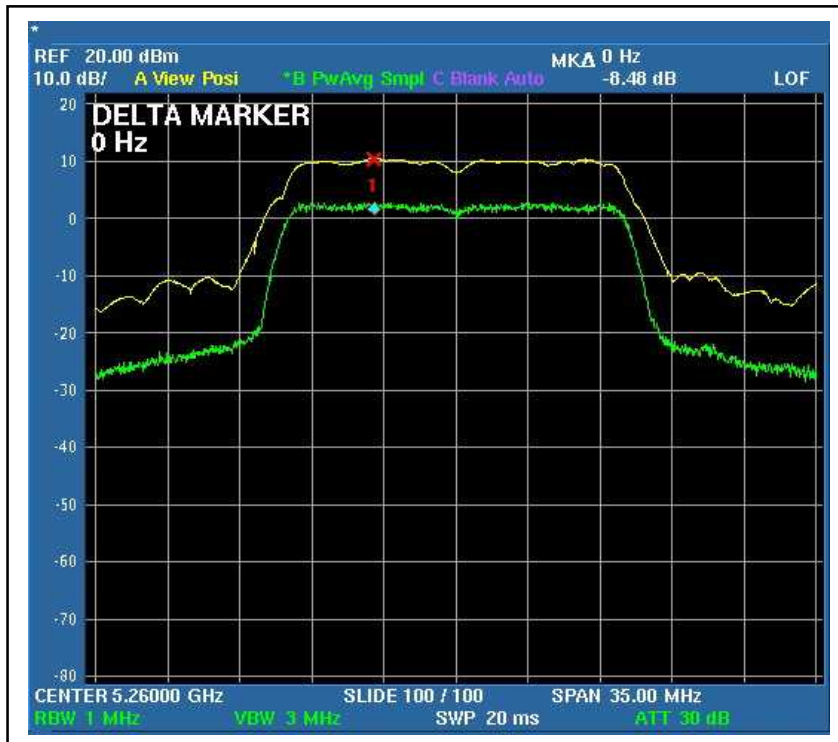
CH2



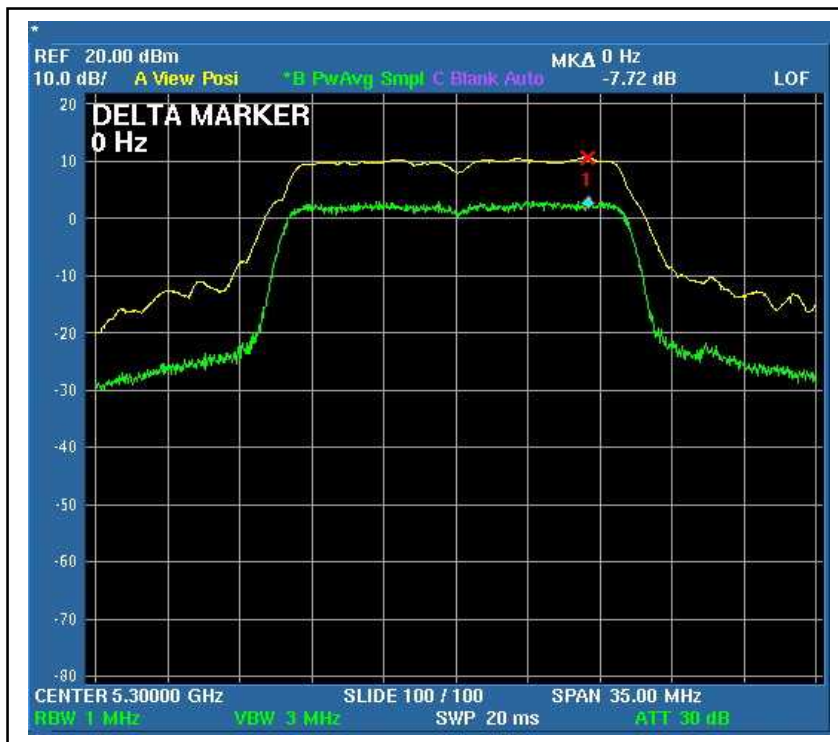
CH4



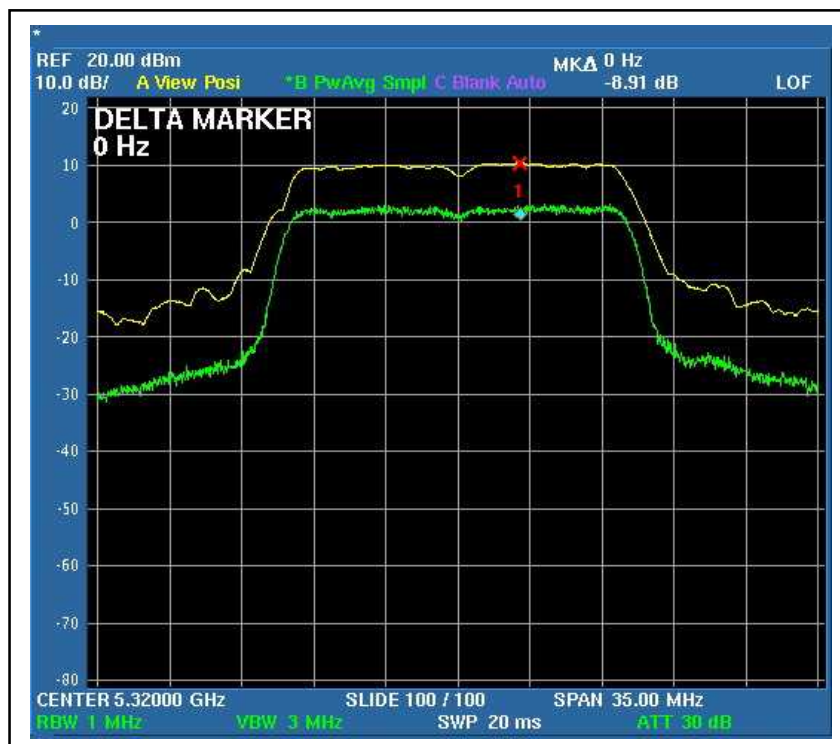
CH5



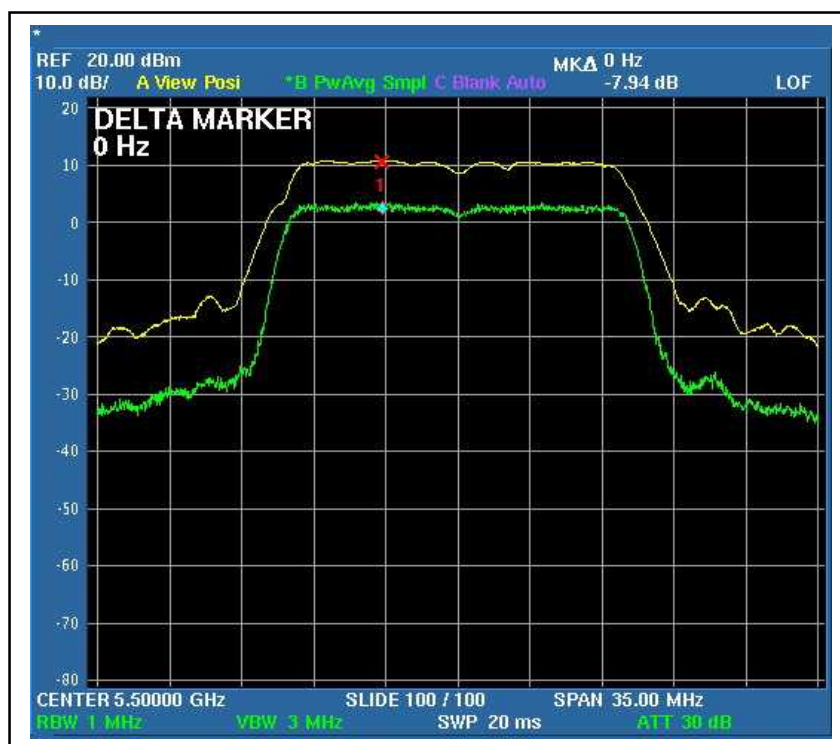
CH7



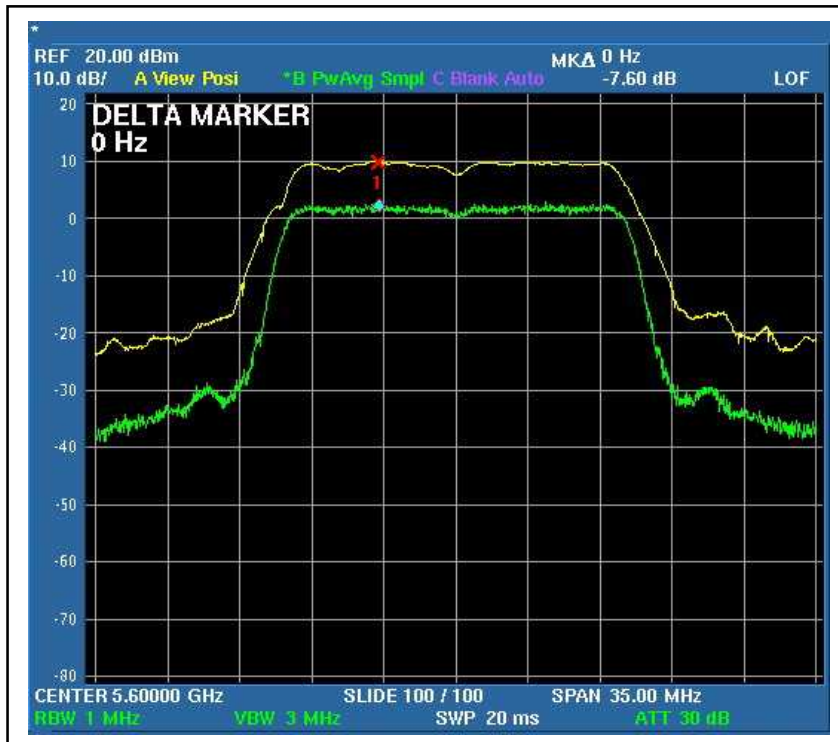
CH8



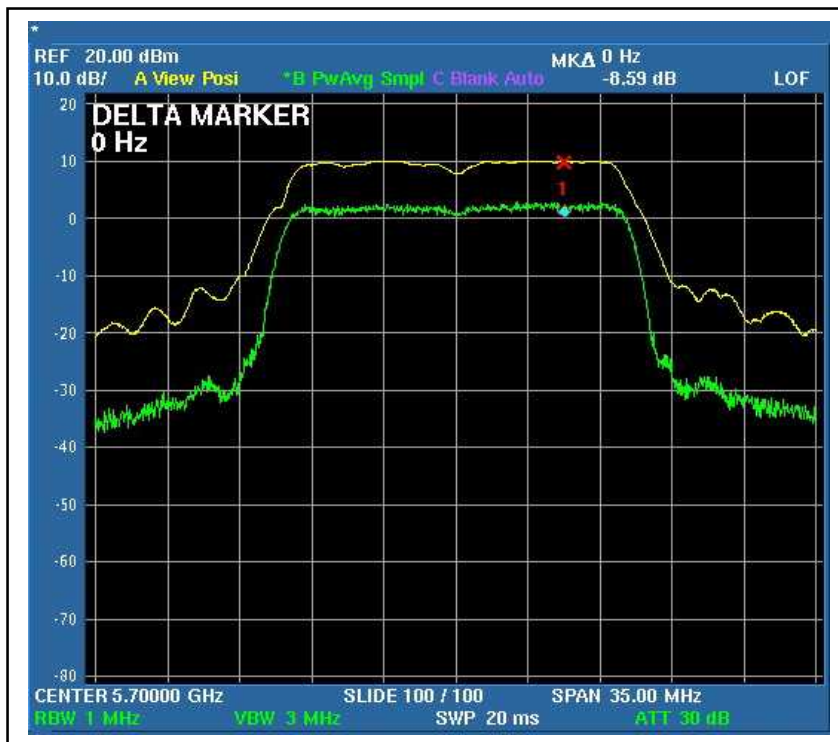
CH9



CH14



CH19



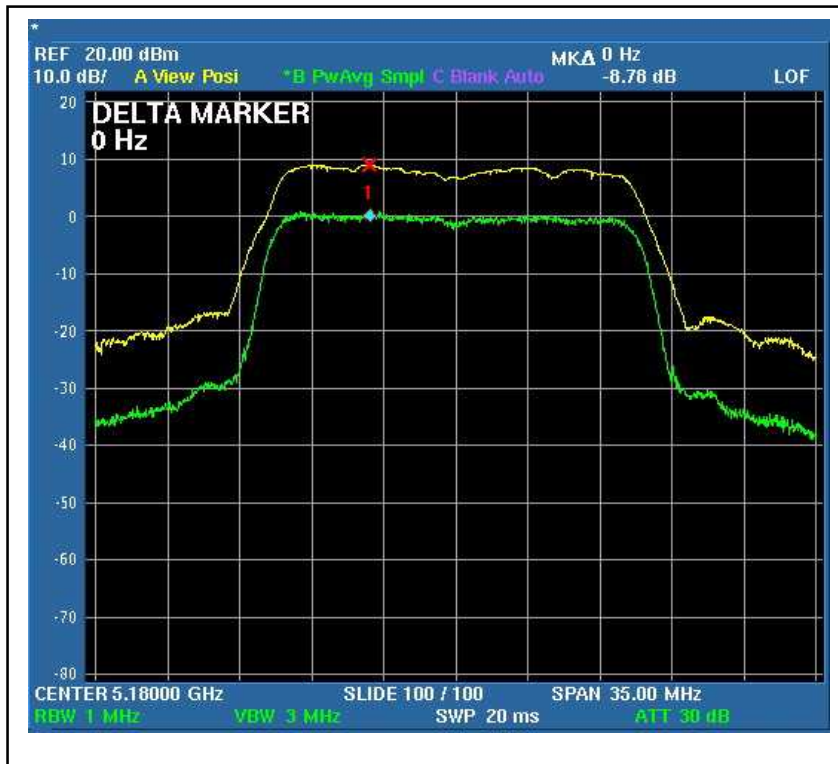


DRAFT 802.11n (20MHz) OFDM MODULATION:

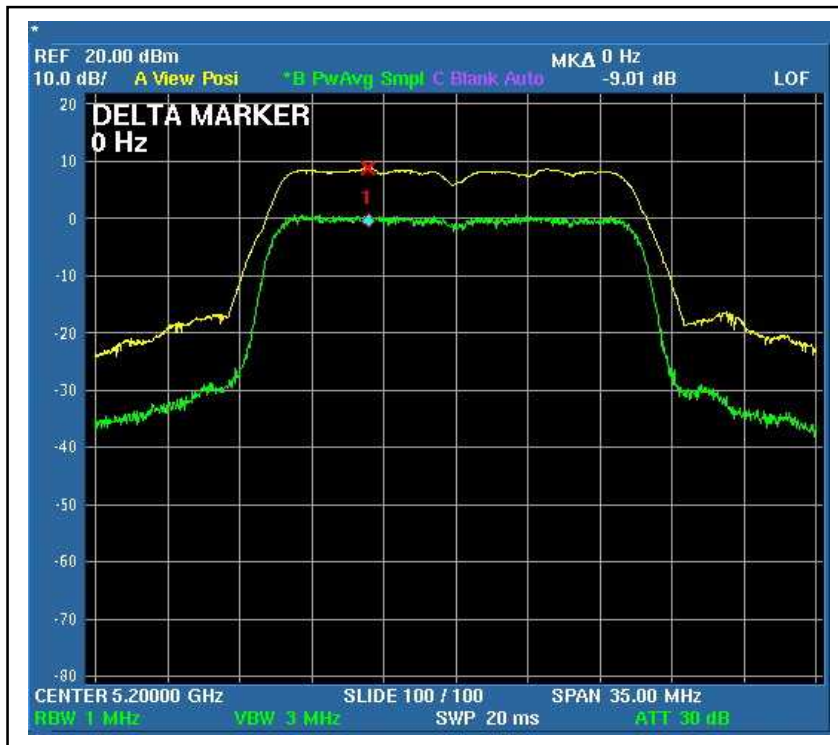
MODULATION TYPE	BPSK	TRANSFER RATE	13Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)		PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
		Chain (0)	Chain(1)		
1	5180	8.78	8.91	13	PASS
2	5200	9.01	9.49	13	PASS
4	5240	9.48	8.82	13	PASS
5	5260	9.48	9.31	13	PASS
7	5300	8.23	9.35	13	PASS
8	5320	9.99	9.13	13	PASS
9	5500	9.80	10.03	13	PASS
14	5600	9.40	8.84	13	PASS
19	5700	8.84	9.66	13	PASS

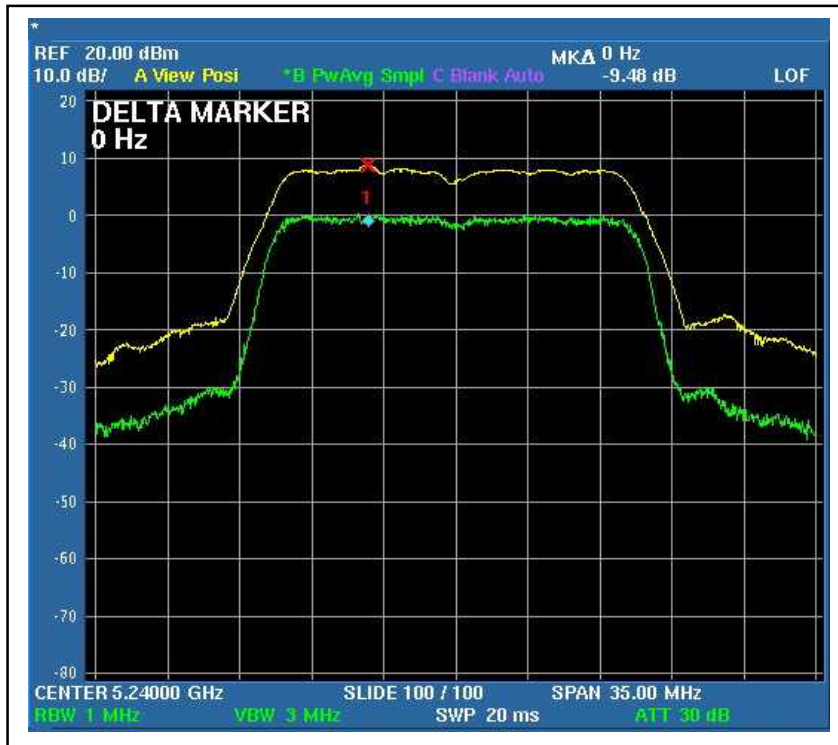
For Chain (0) : CH1



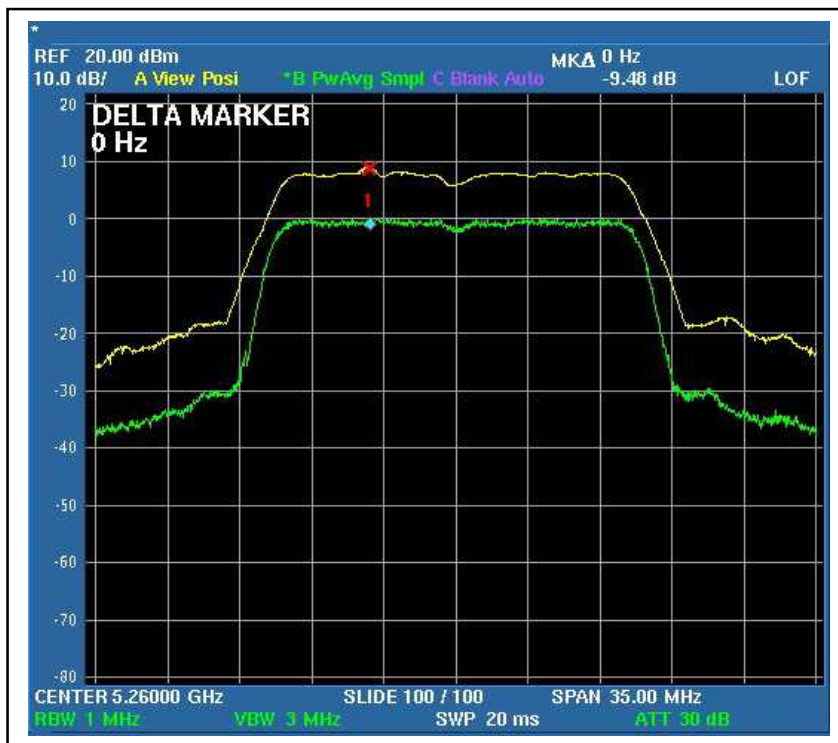
CH2



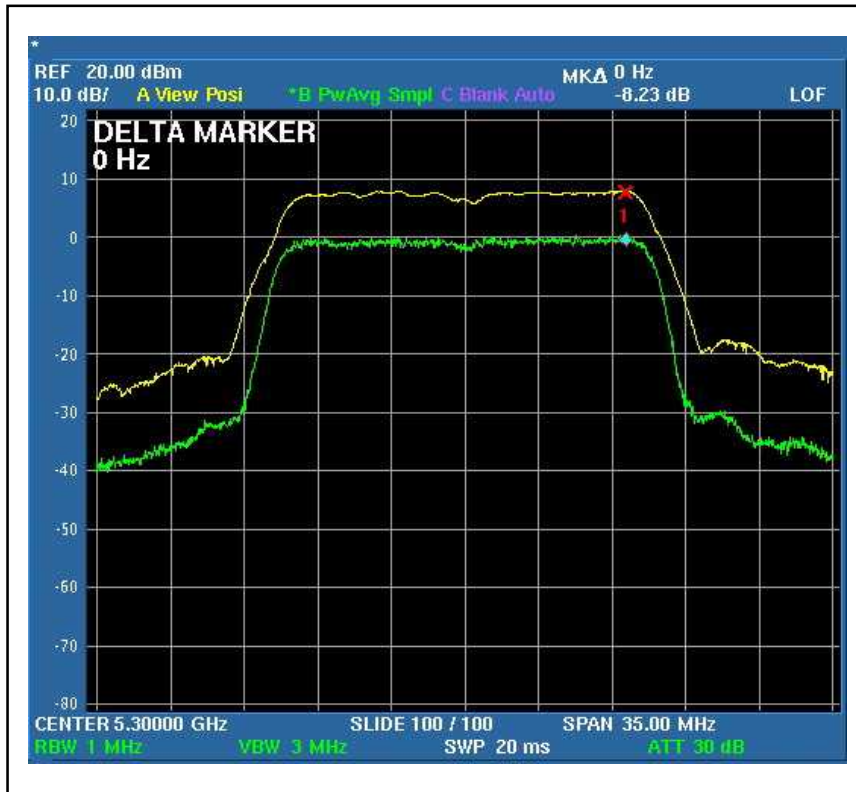
CH4



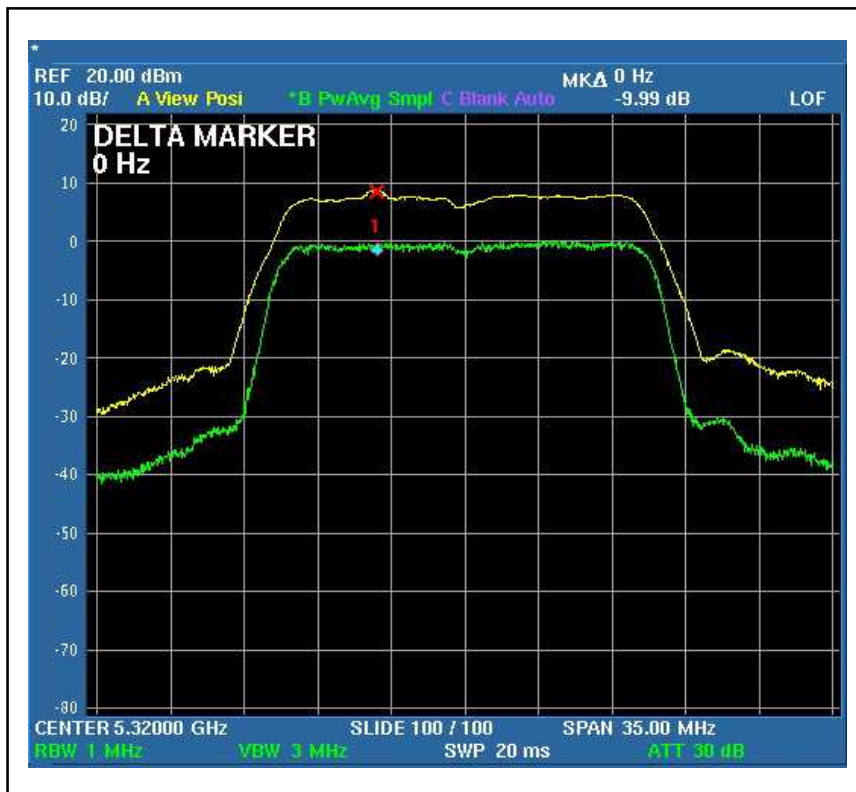
CH5



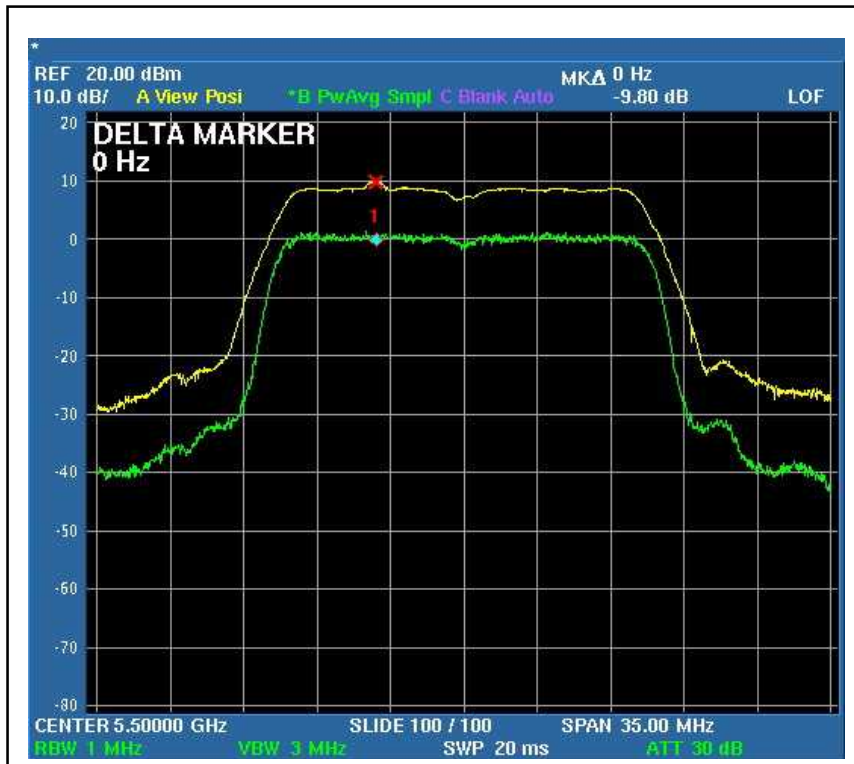
CH7



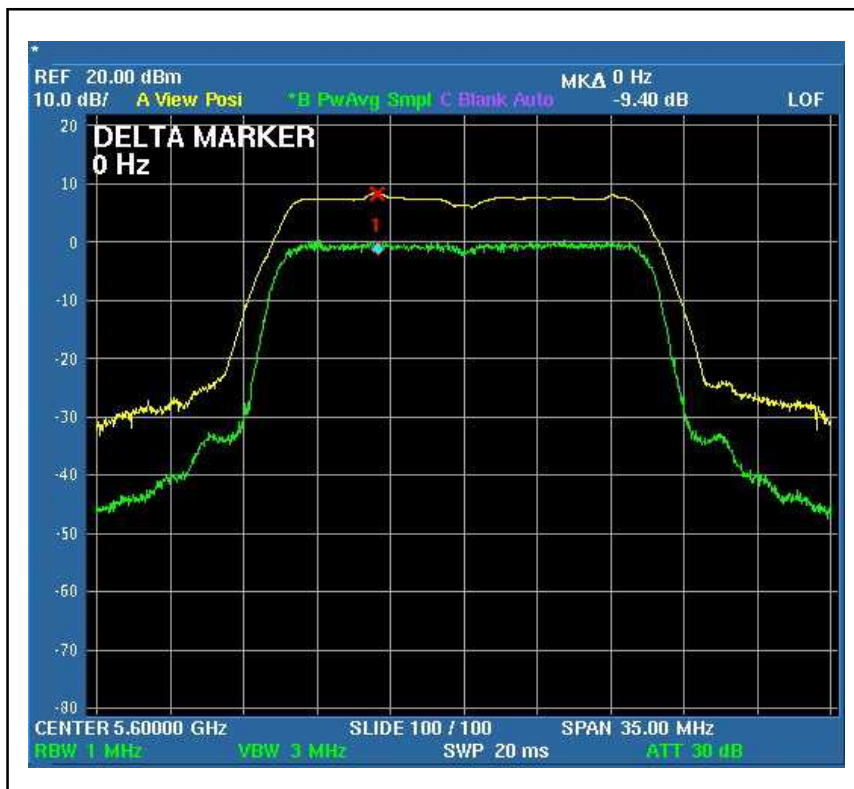
CH8



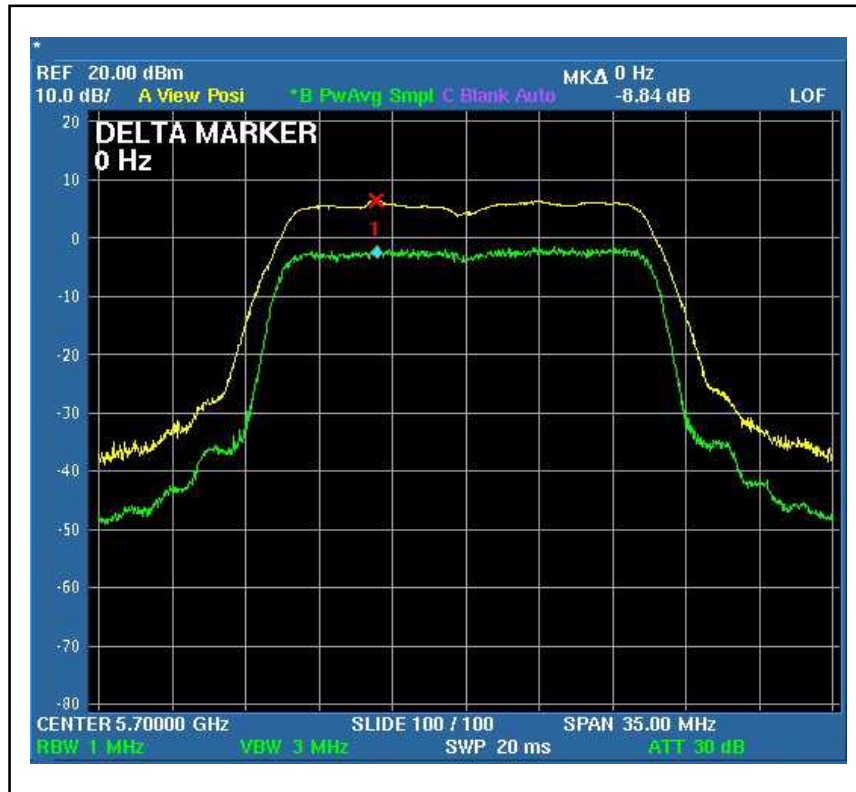
CH9



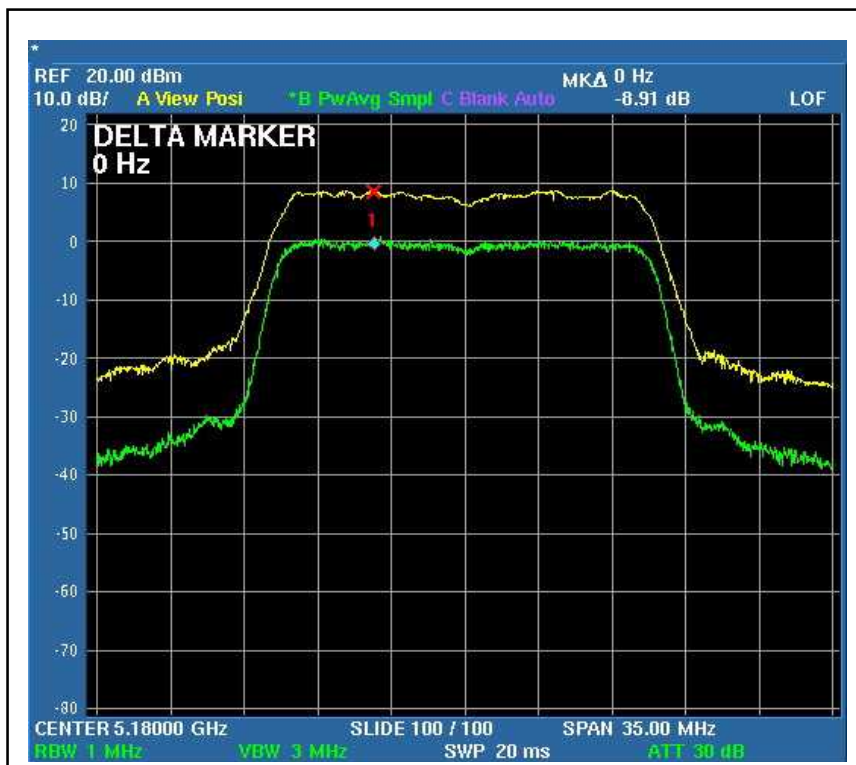
CH14



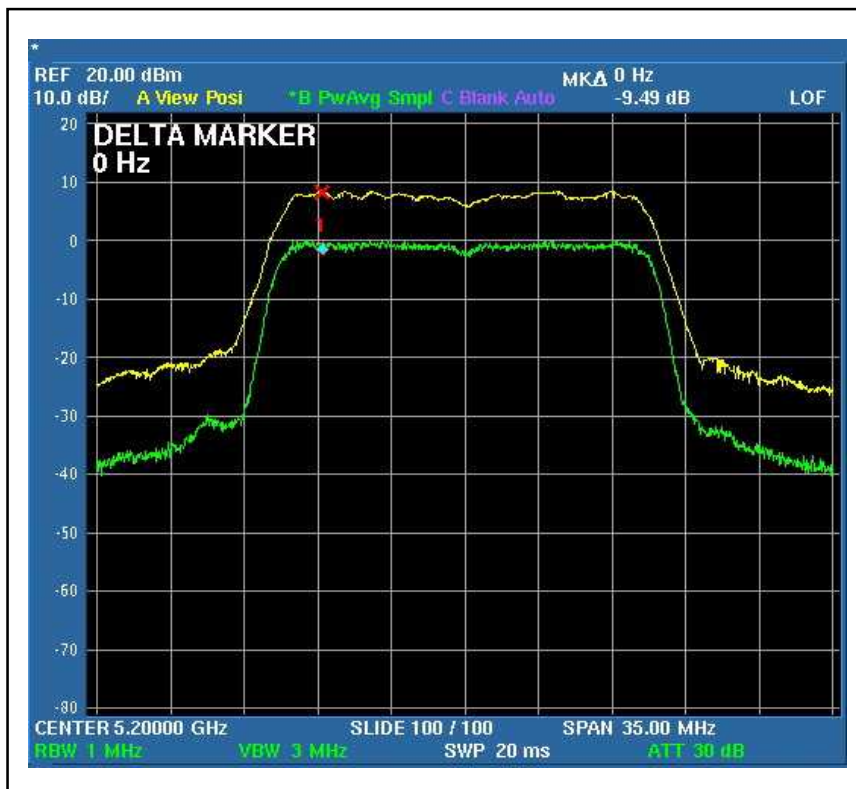
CH19



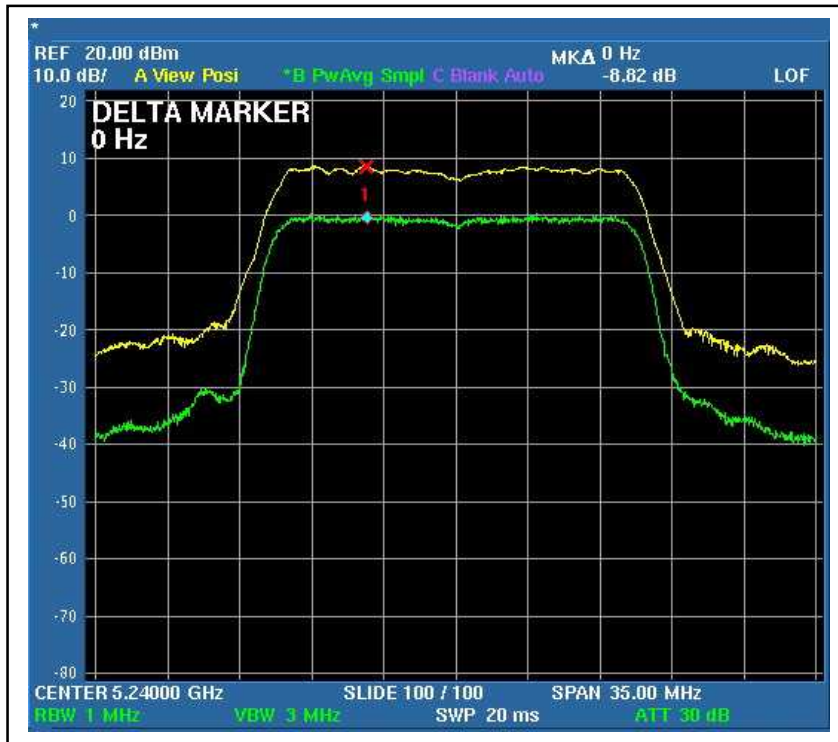
For Chain (1) : CH1



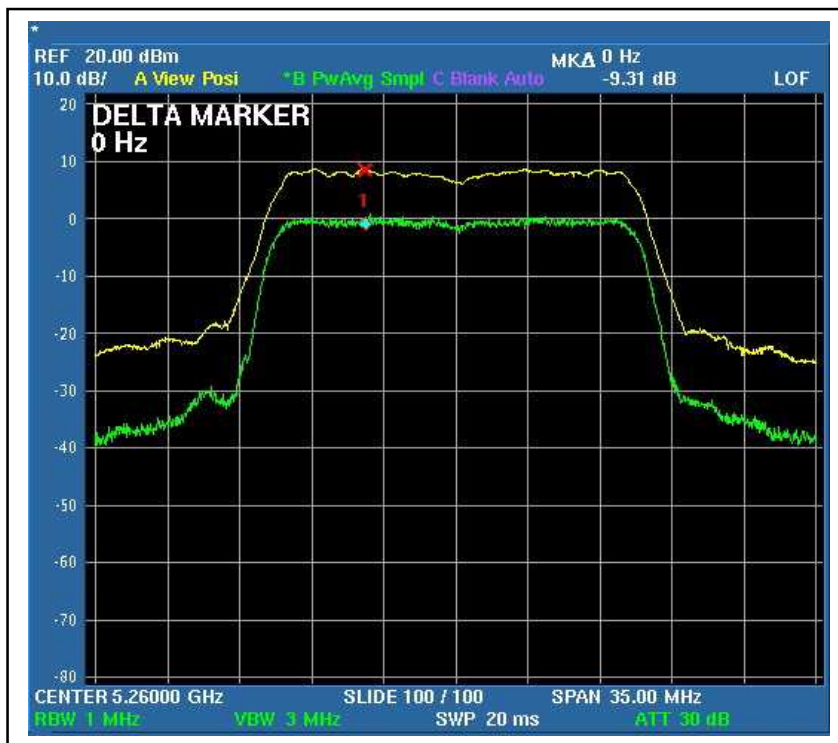
CH2



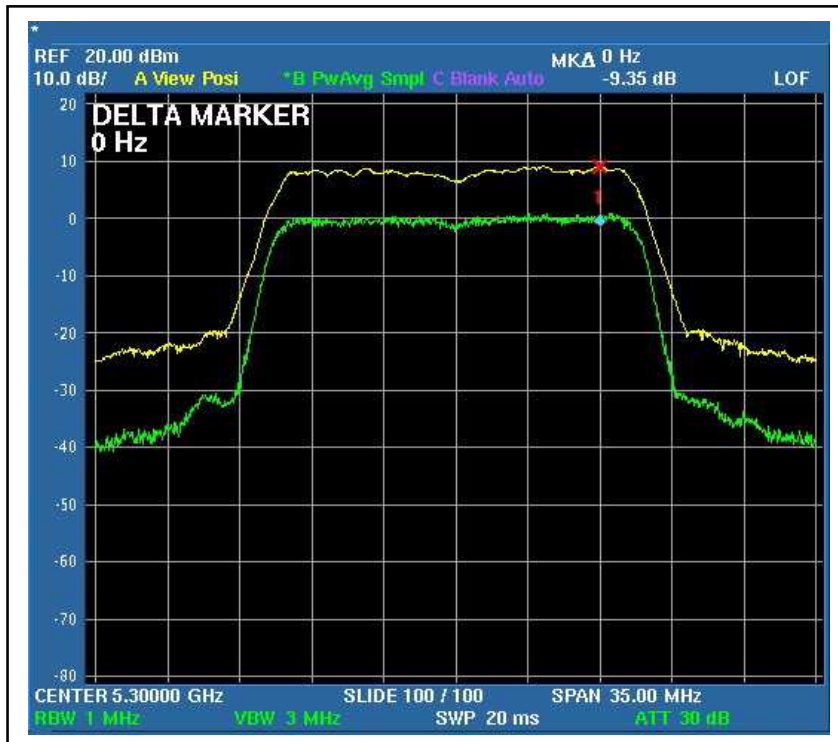
CH4



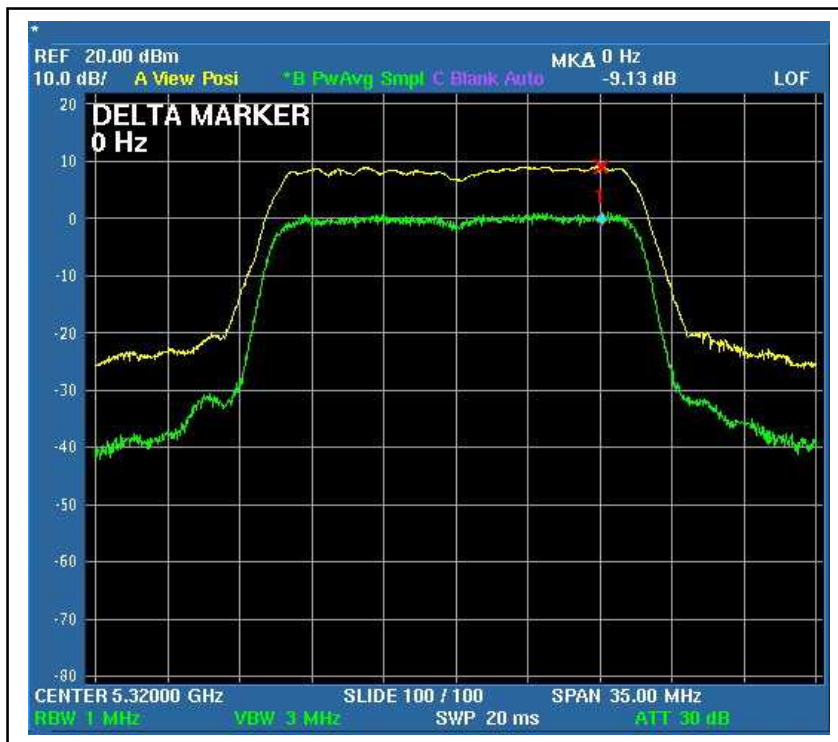
CH5



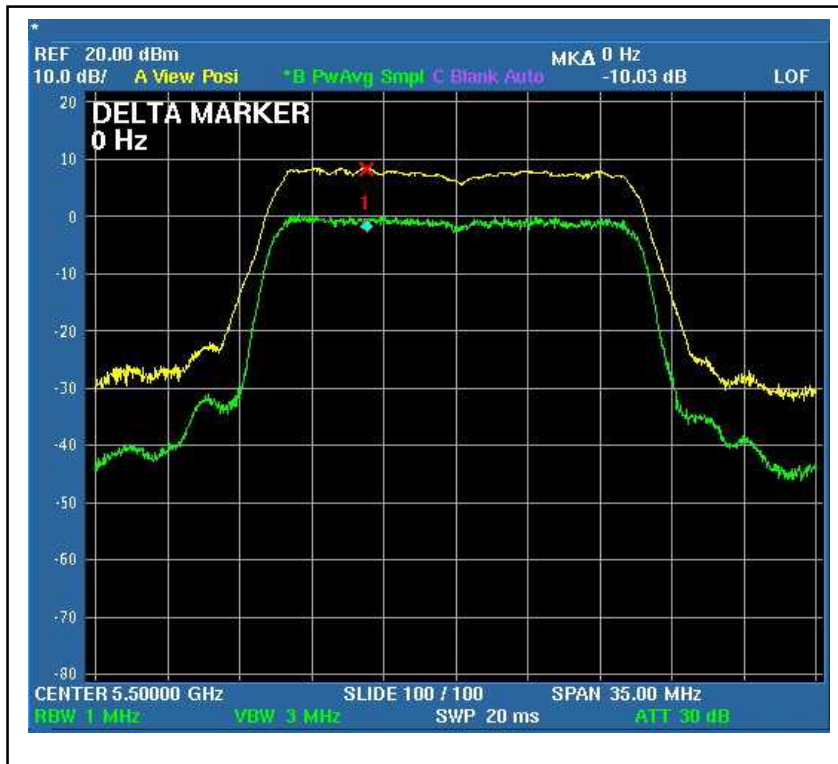
CH7



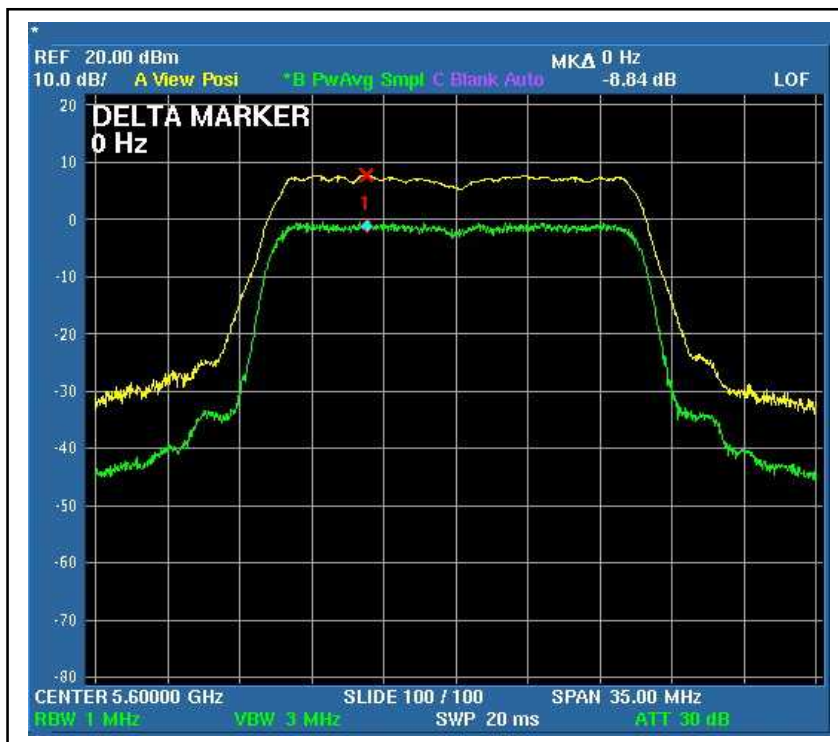
CH8



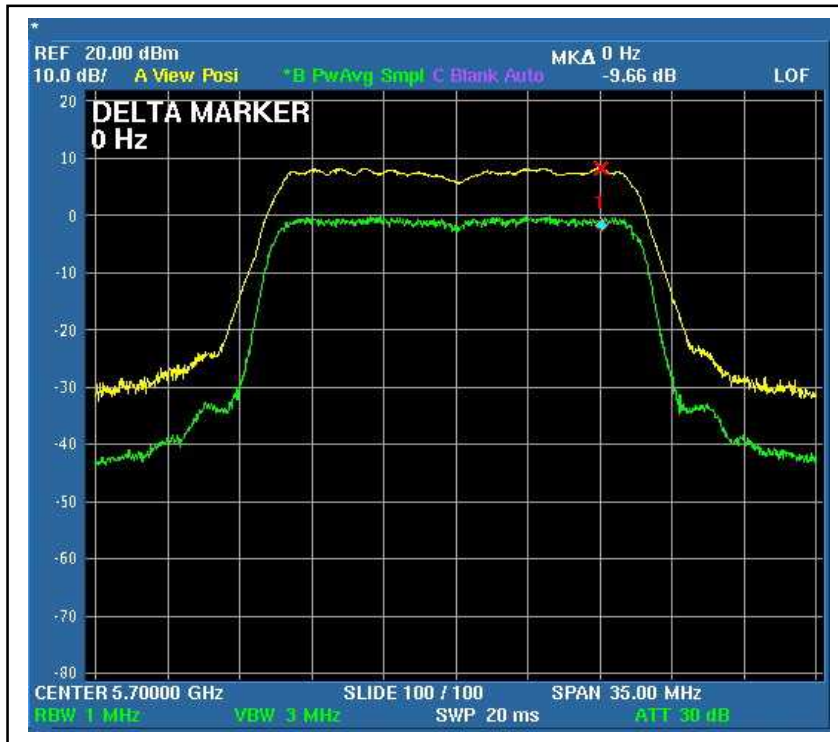
CH9



CH14



CH19



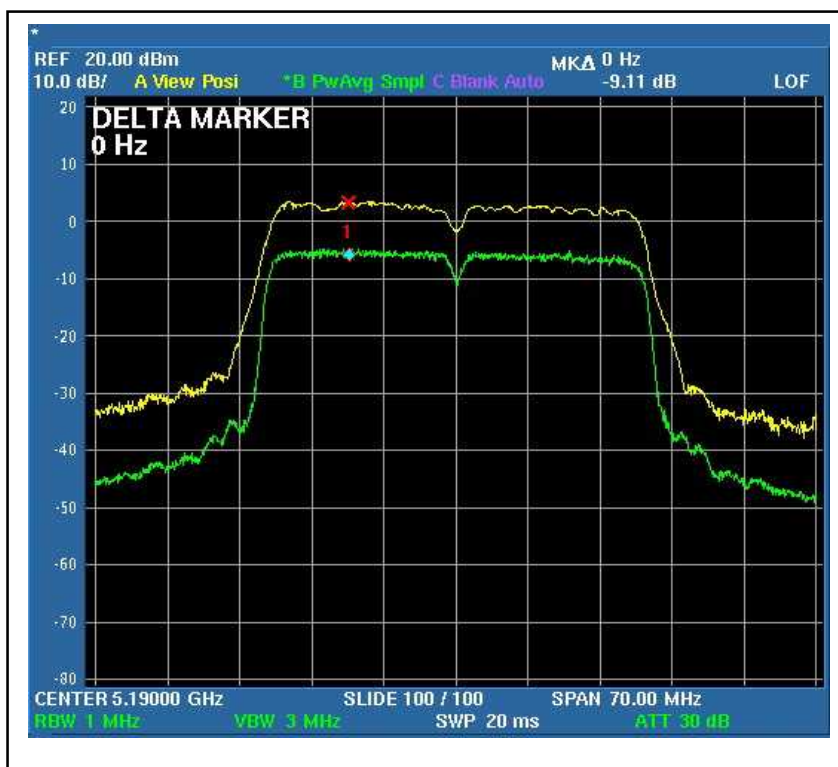


DRAFT 802.11n (40MHz) OFDM MODULATION:

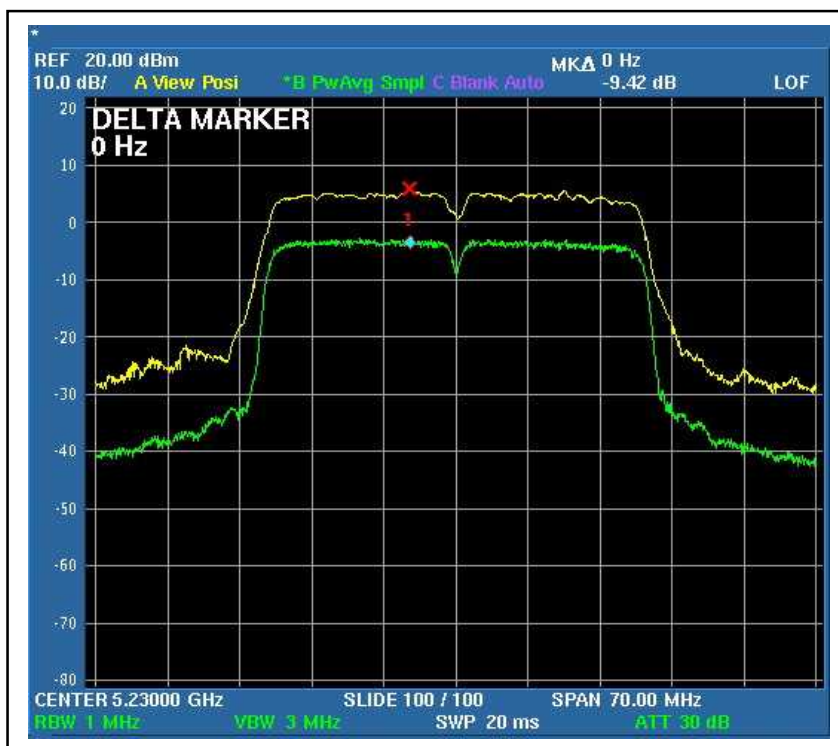
MODULATION TYPE	BPSK	TRANSFER RATE	27Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)		PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
		Chain (0)	Chain(1)		
1	5190	9.11	9.74	13	PASS
2	5230	9.42	9.74	13	PASS
3	5270	9.14	9.36	13	PASS
4	5310	9.28	8.67	13	PASS
5	5510	9.76	9.34	13	PASS
7	5590	9.36	9.33	13	PASS
9	5670	8.32	9.26	13	PASS

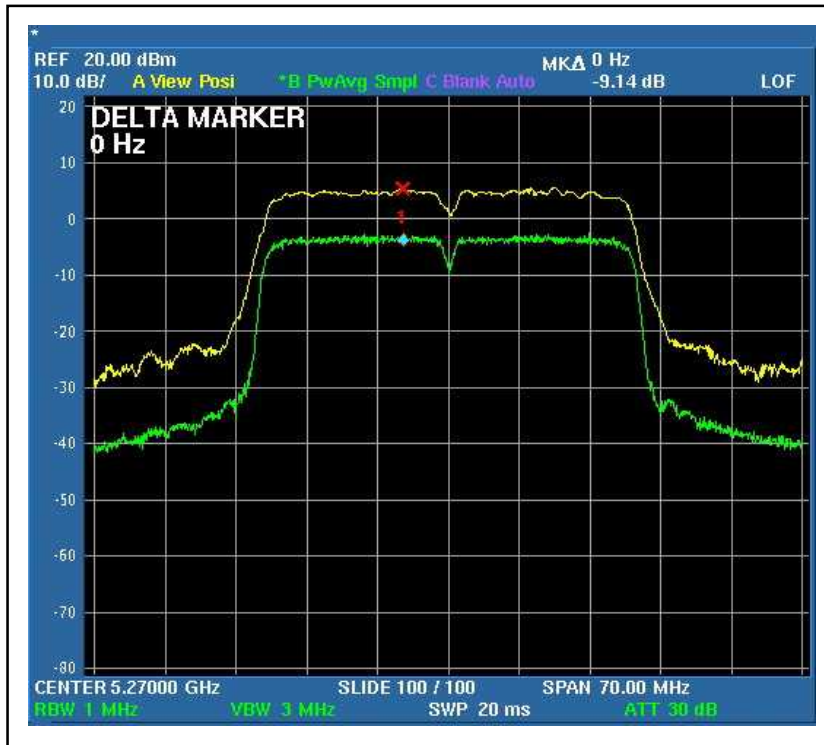
For Chain (0) : CH1



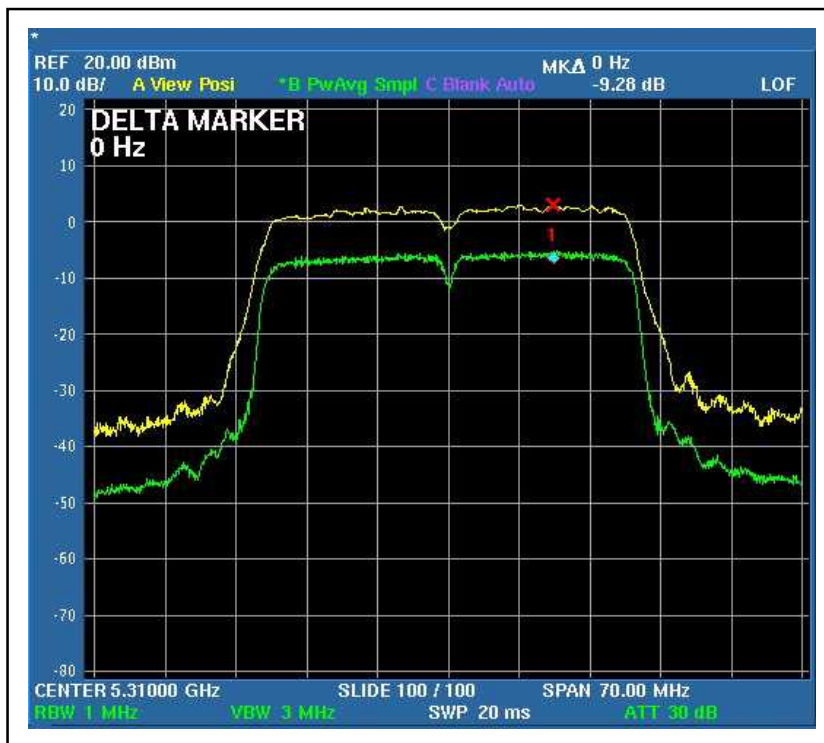
CH2



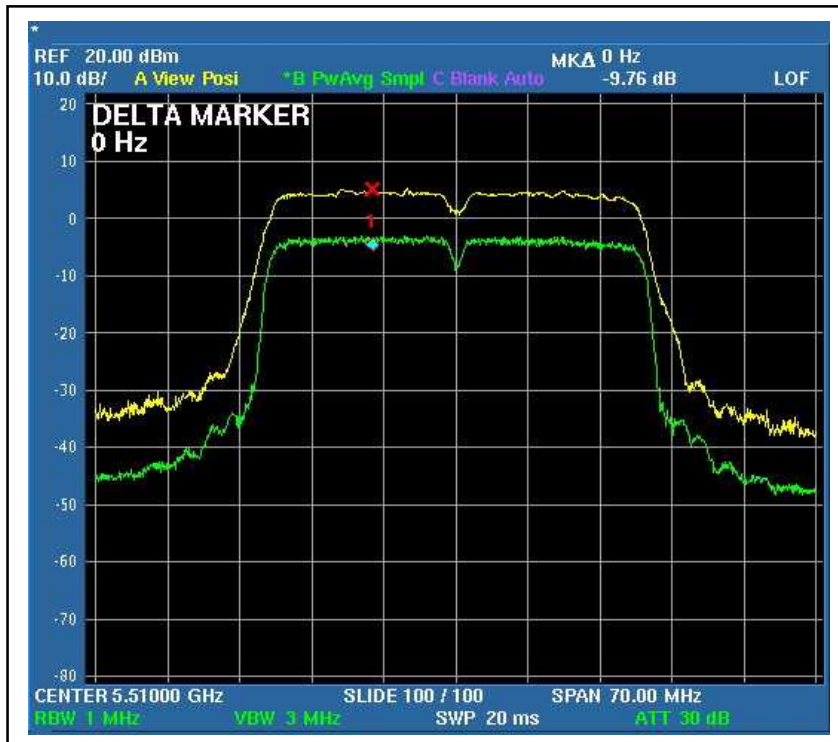
CH3



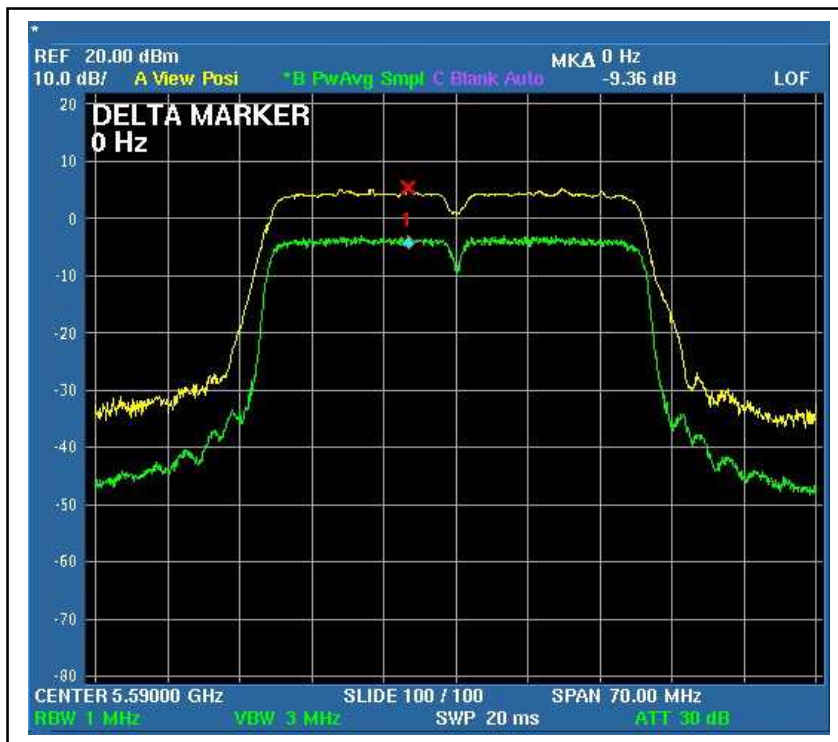
CH4



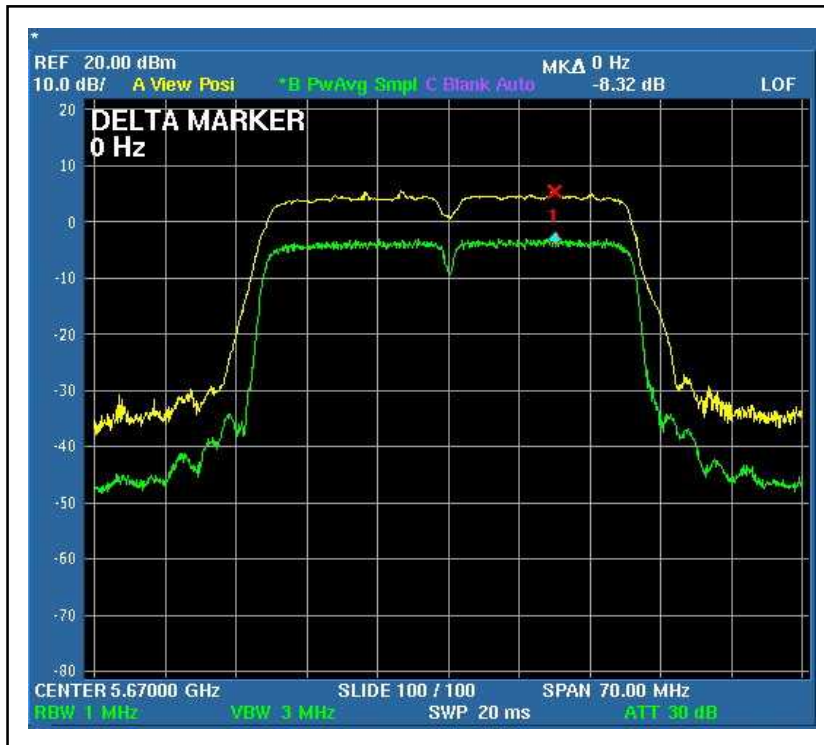
CH5



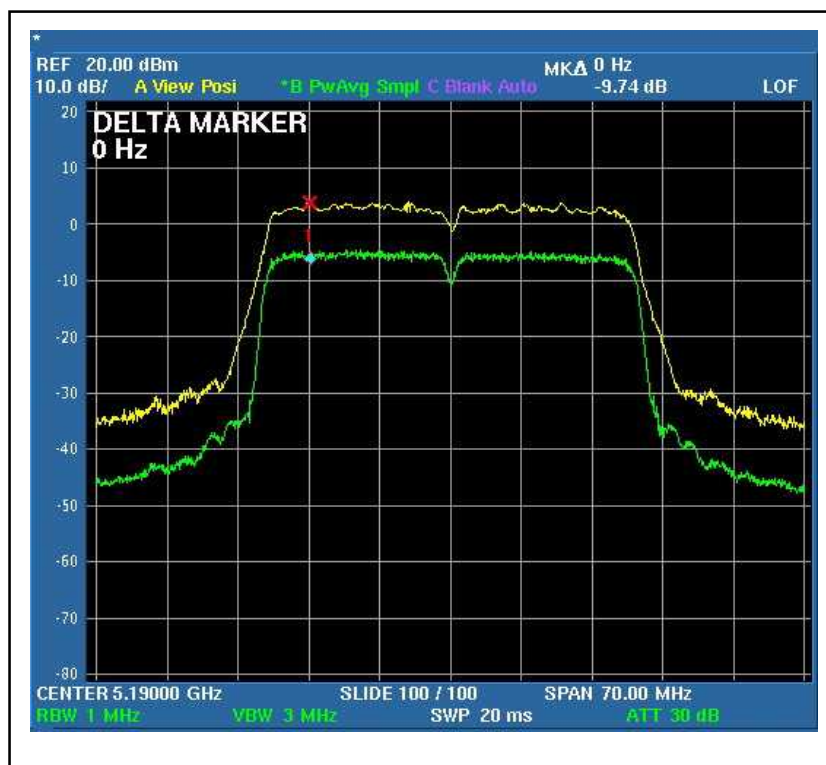
CH7



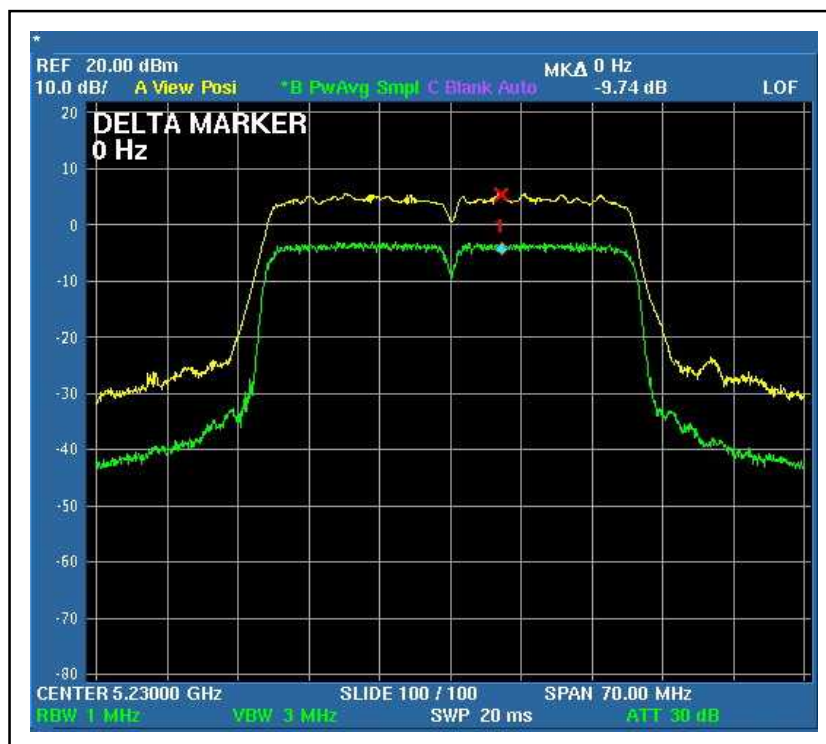
CH9



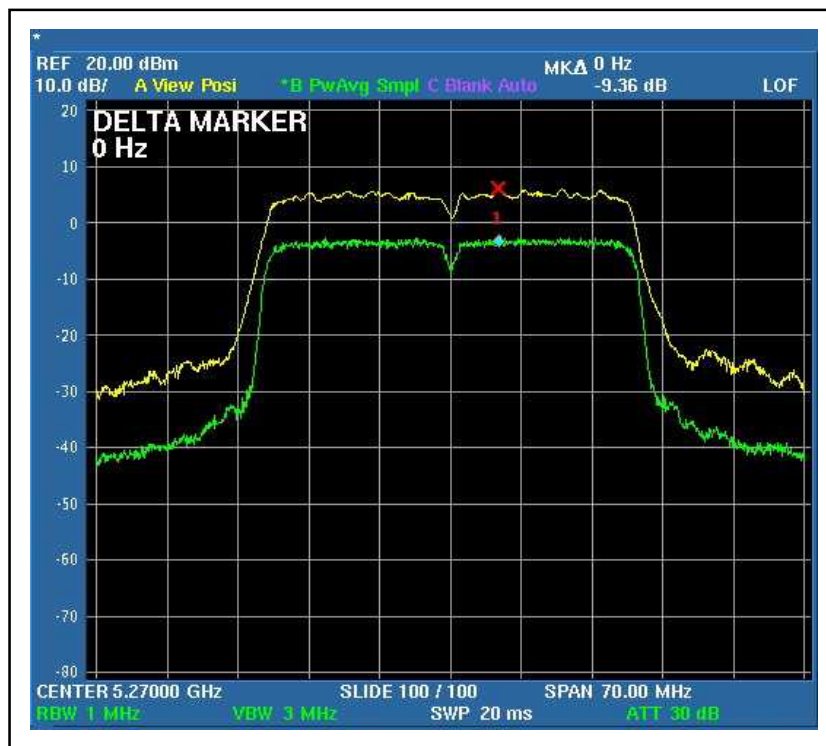
For Chain (1) : CH1



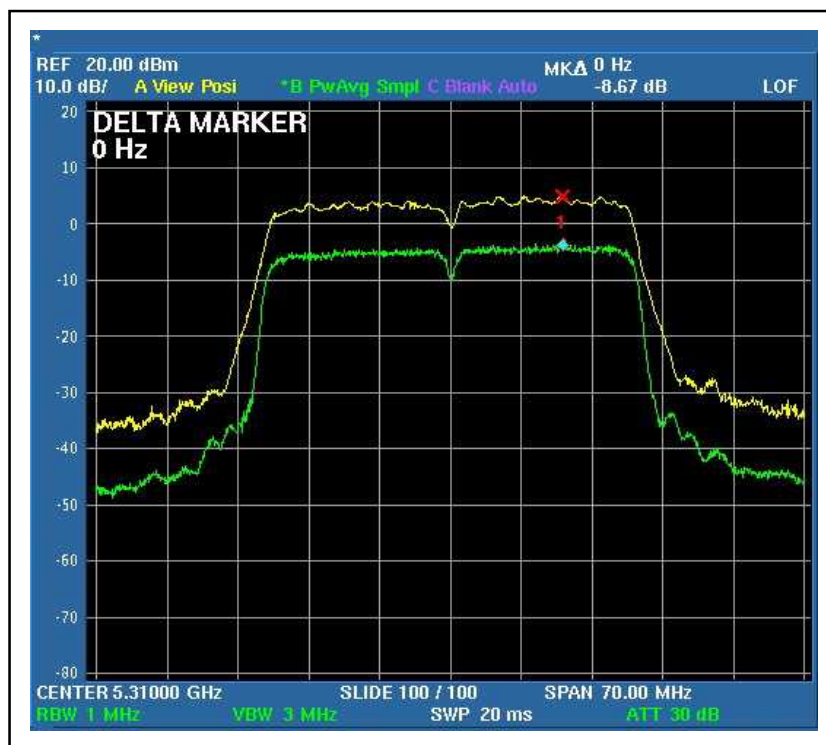
CH2



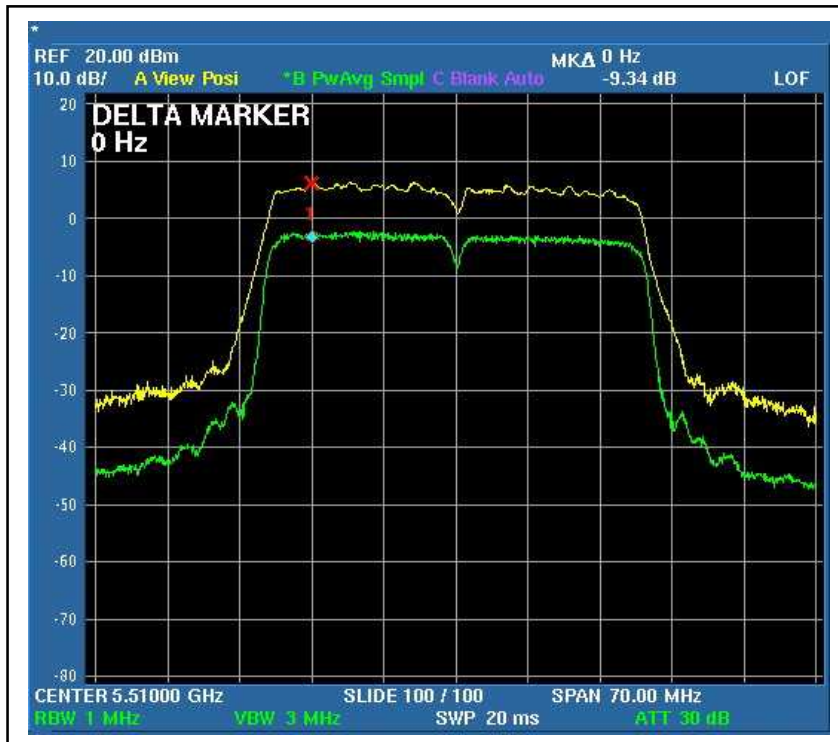
CH3



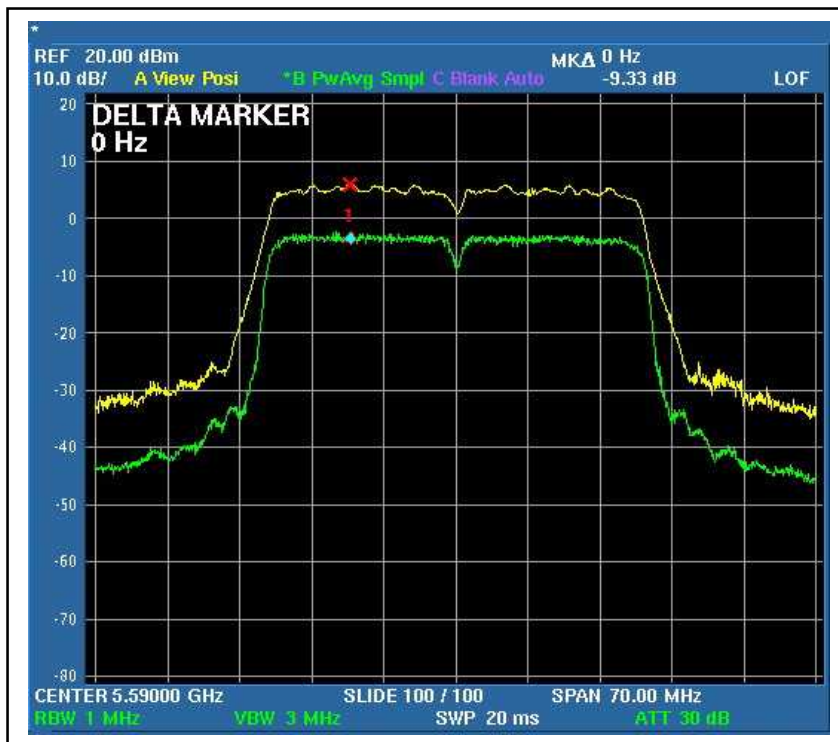
CH4



CH5



CH7



CH9

