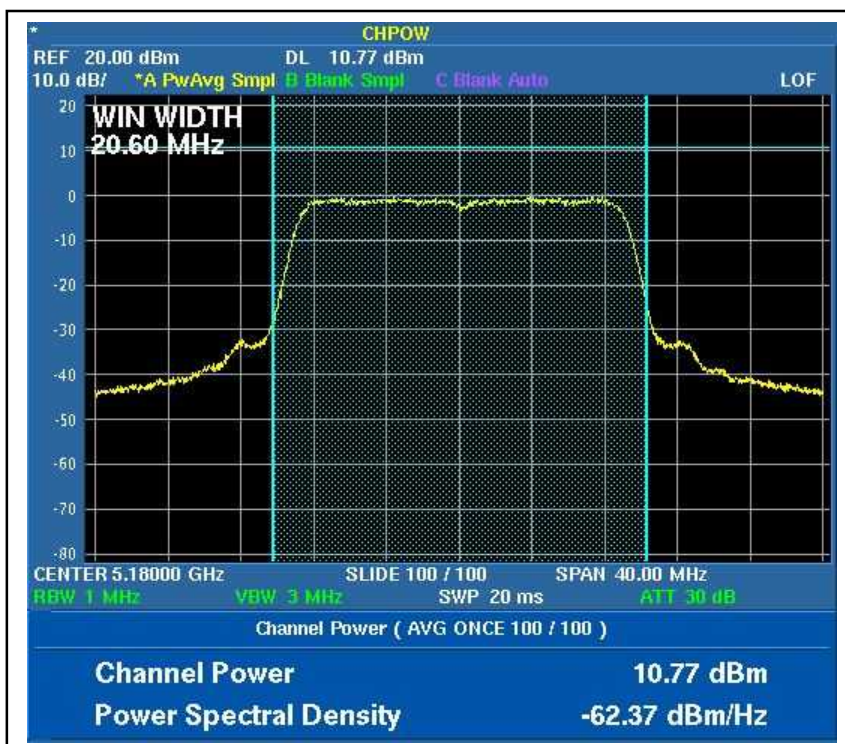
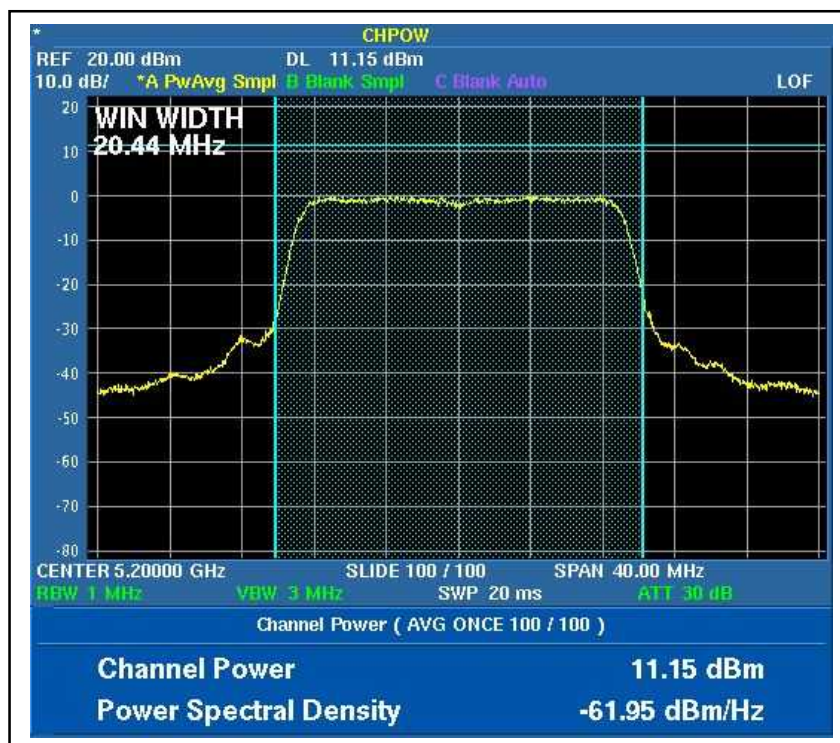


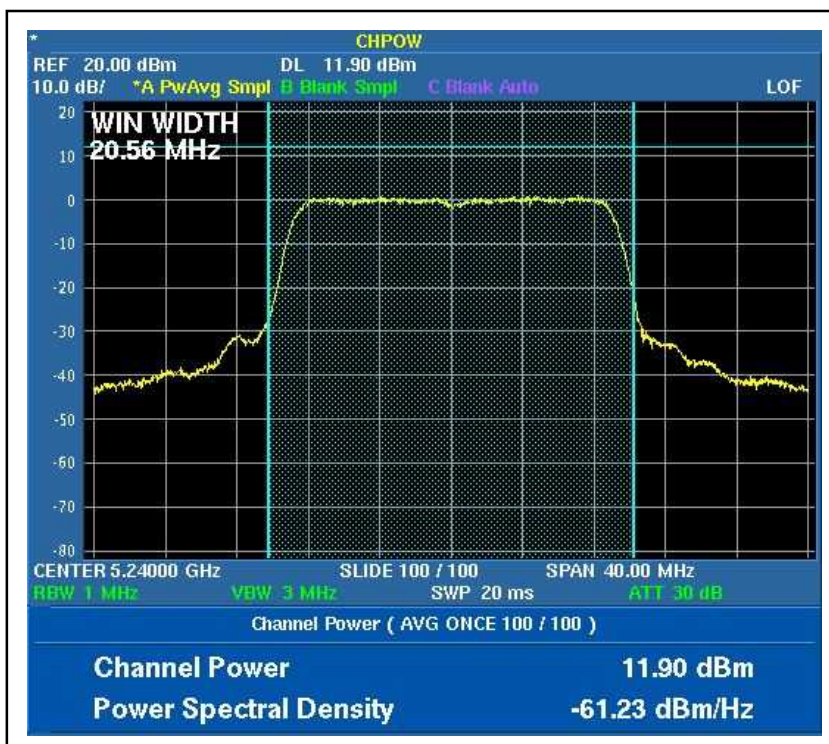
For Chain (1) :CH1



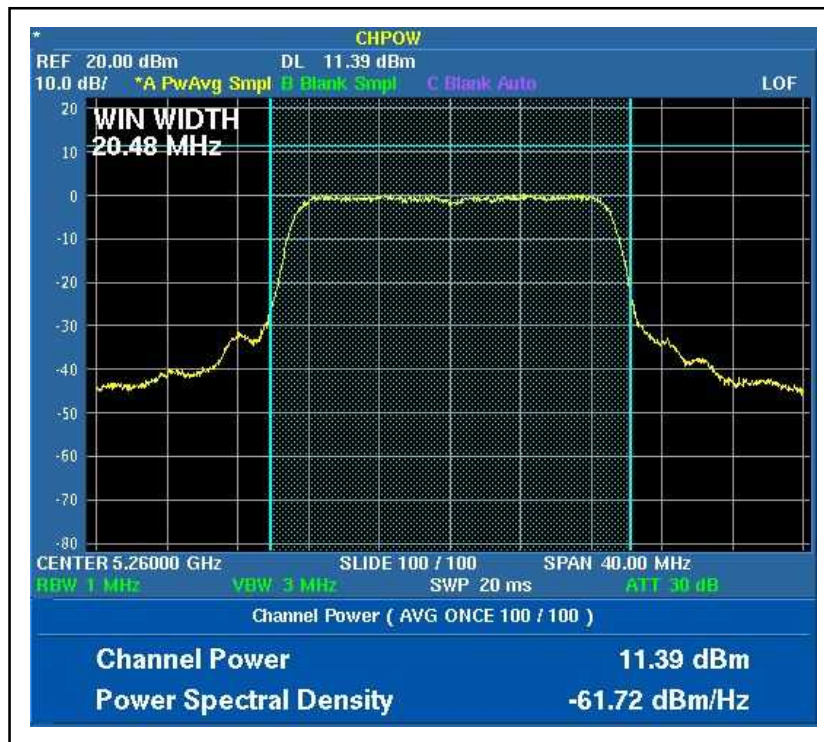
CH2



CH4



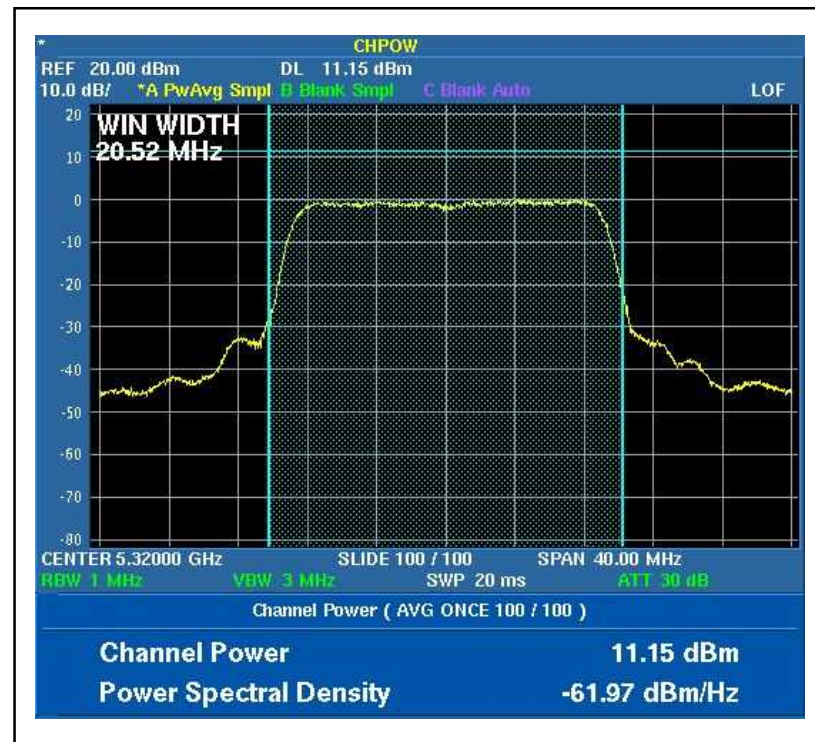
CH5



CH7



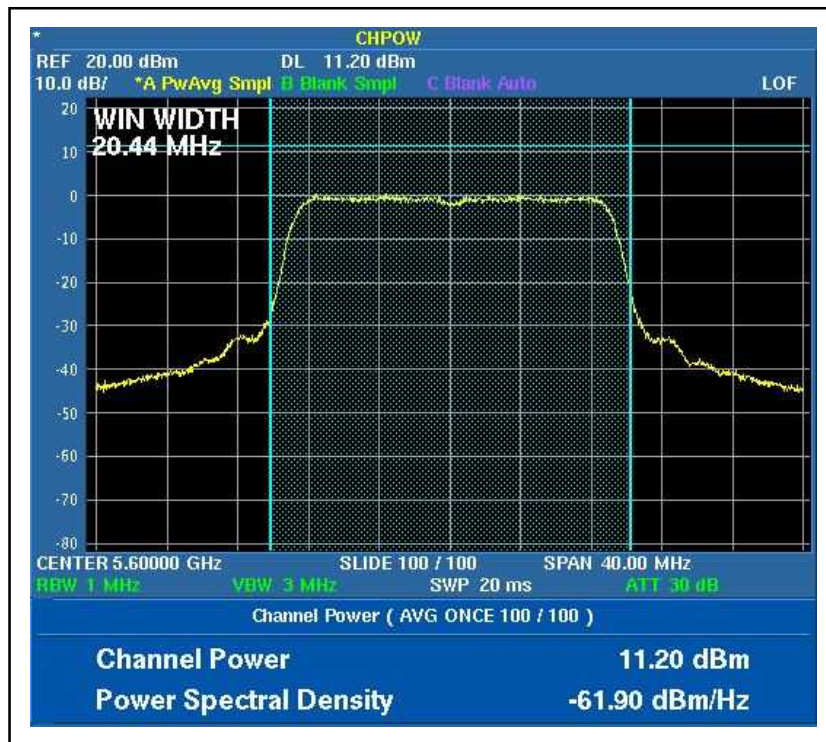
CH8



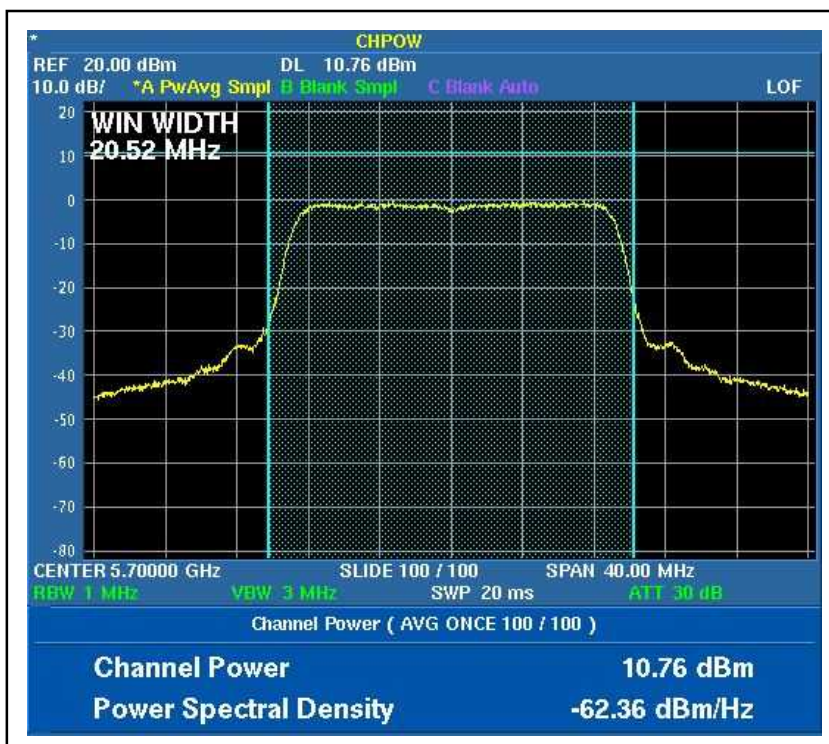
CH9



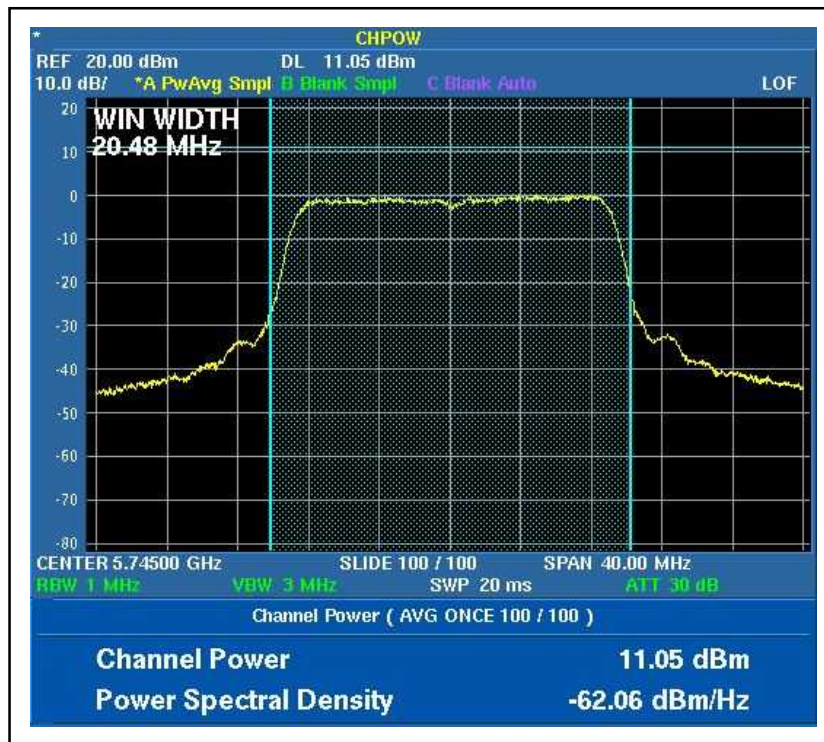
CH14



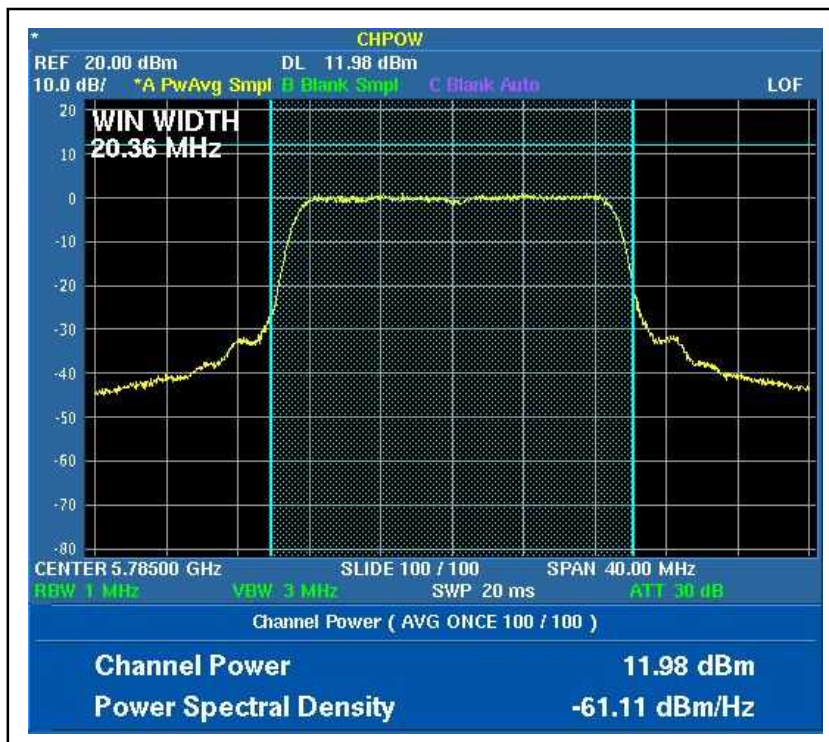
CH19



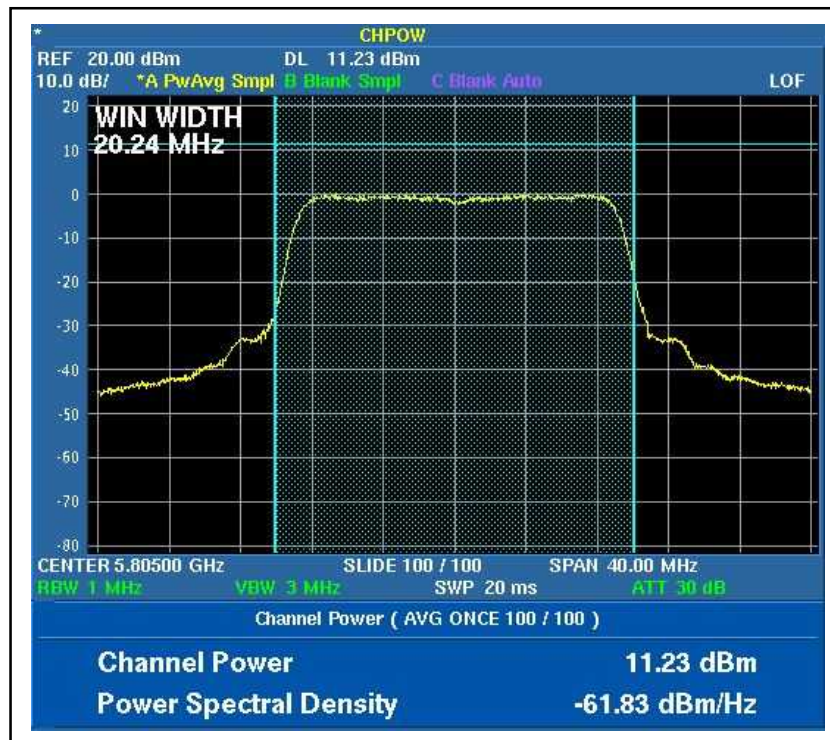
CH20



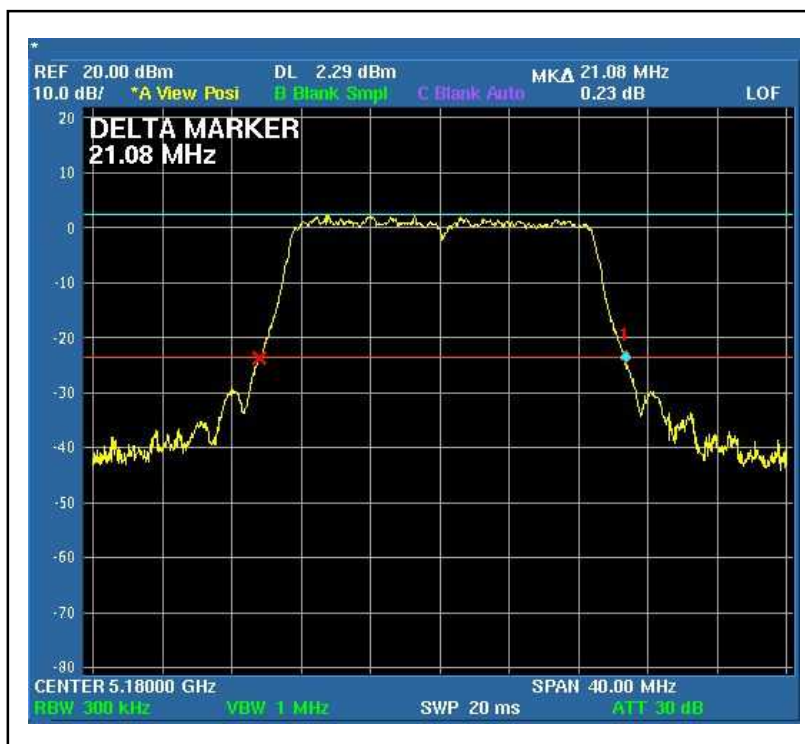
CH22



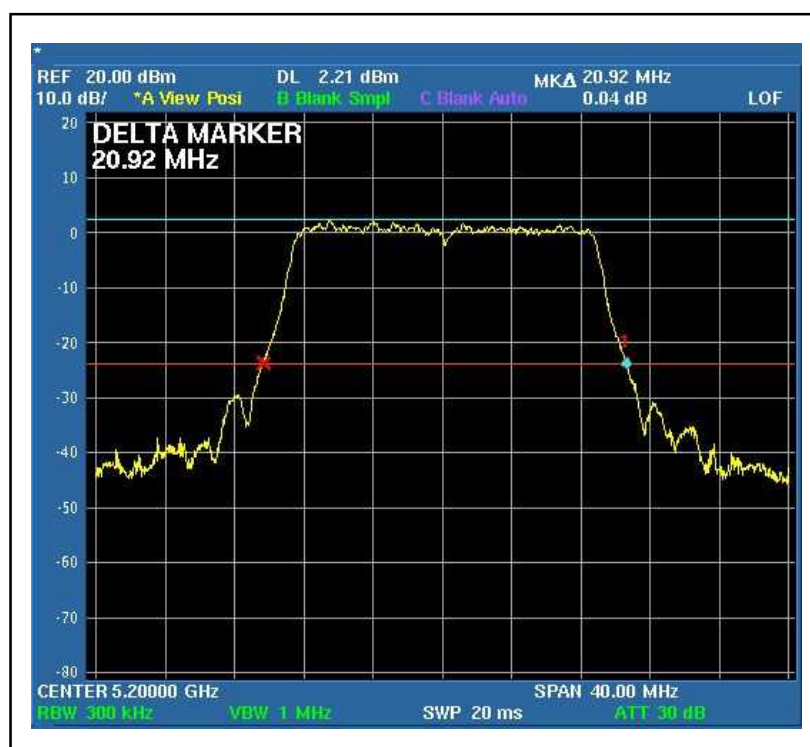
CH23



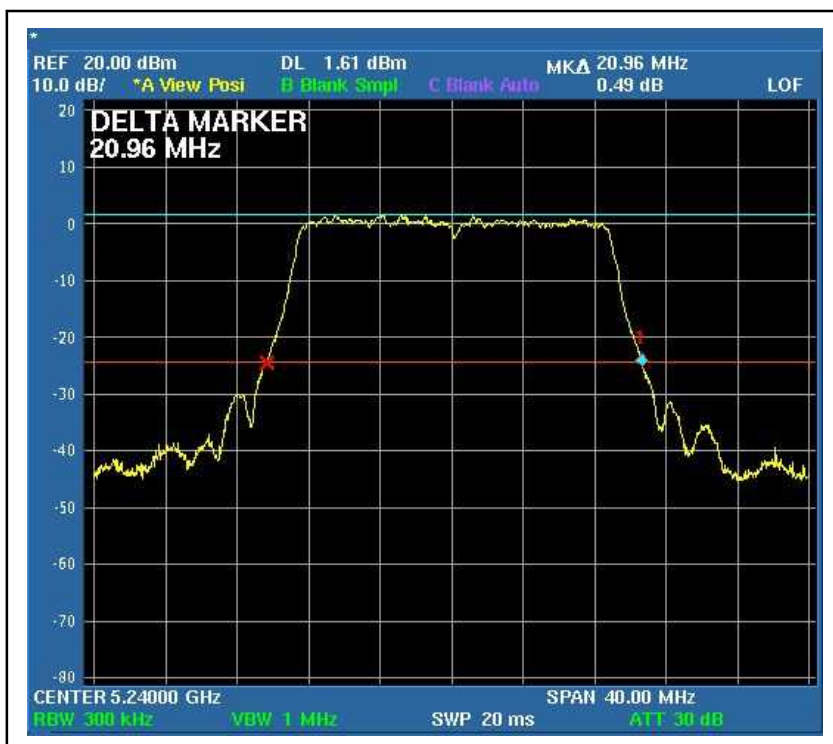
26dB Occupied Bandwidth:
For Chain (0) :CH1



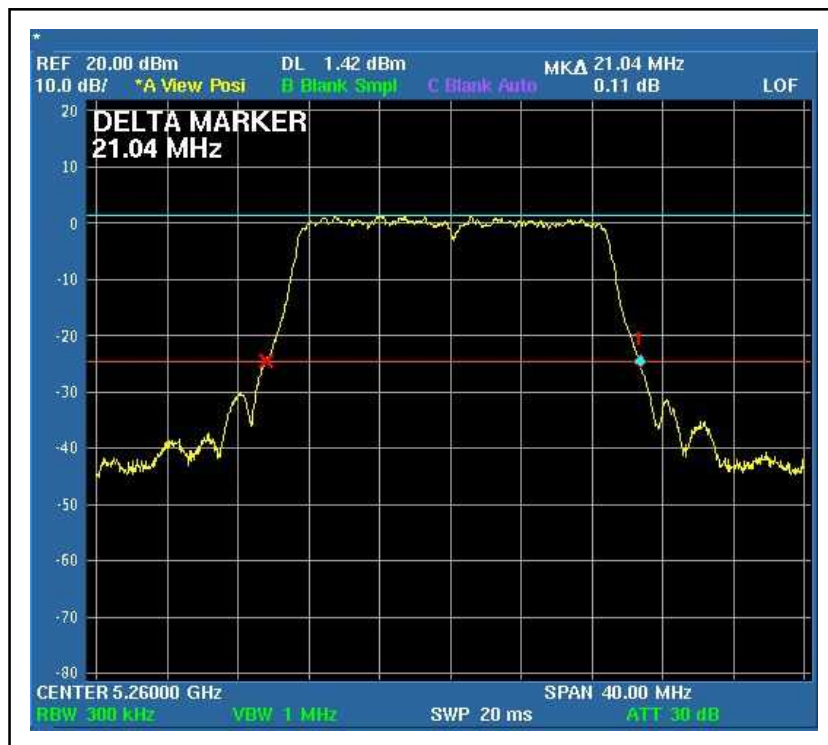
CH2



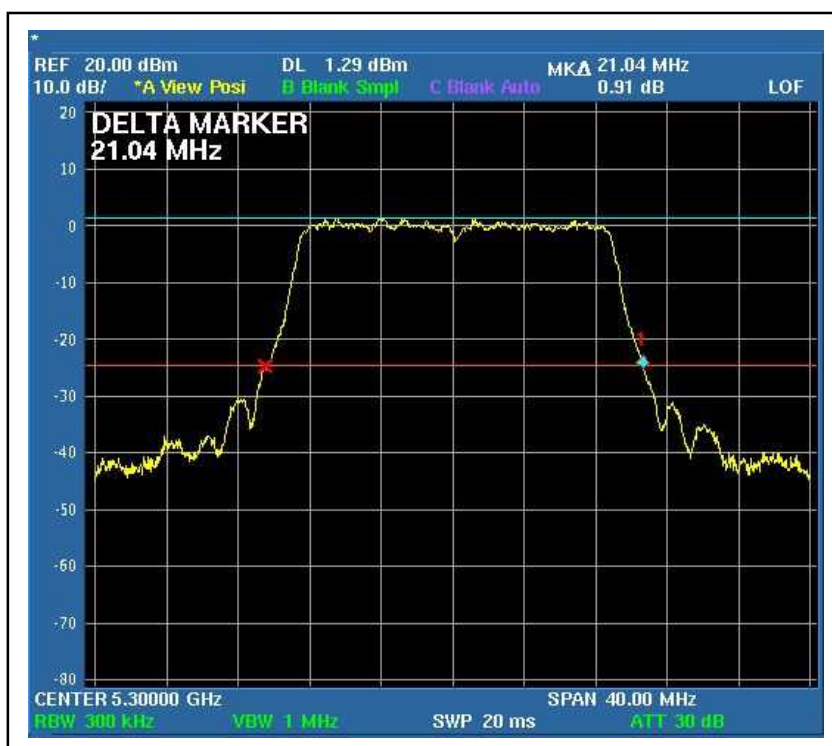
CH4



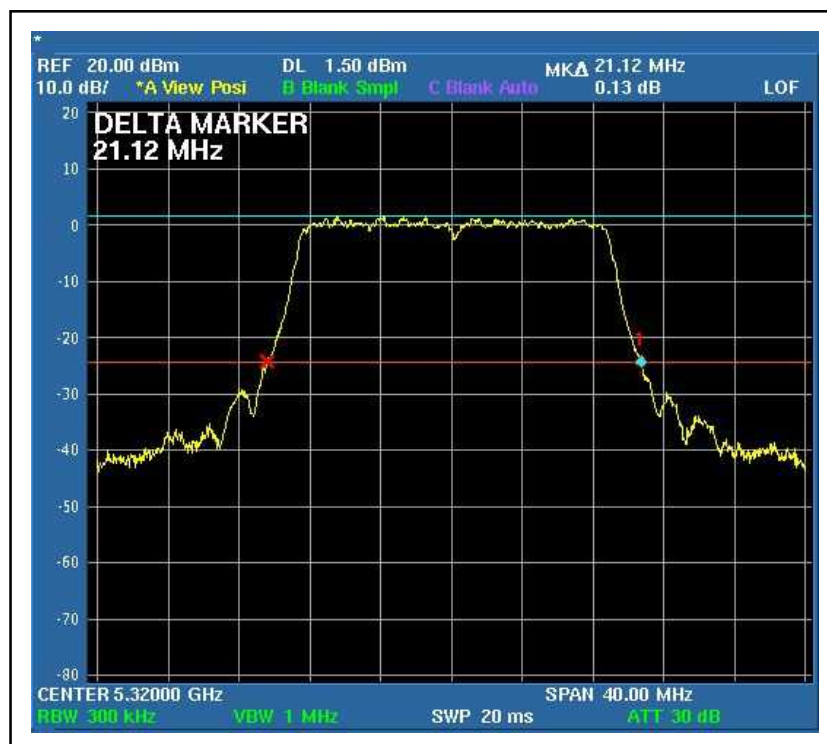
CH5



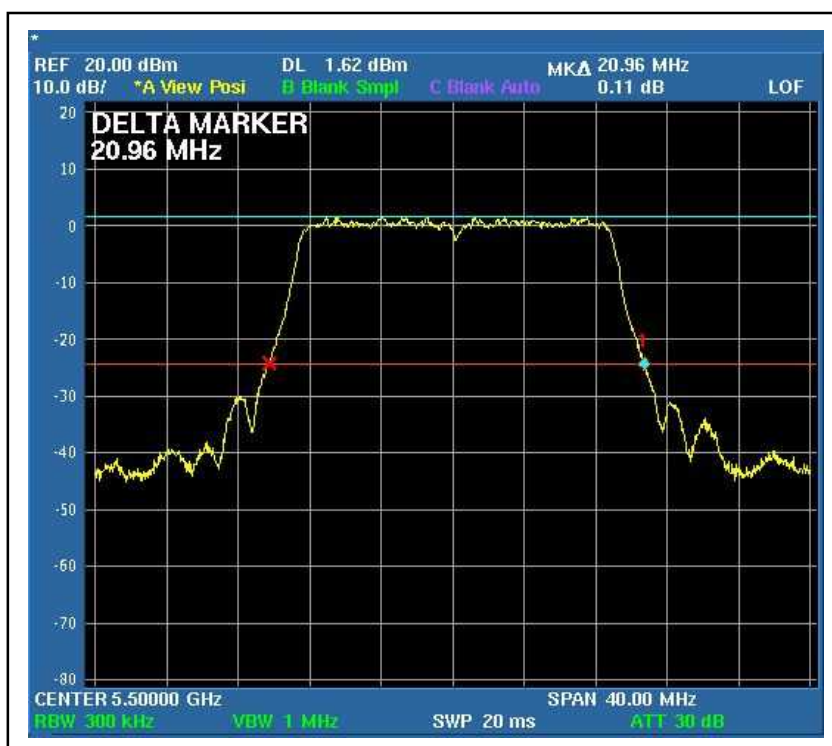
CH7



CH8



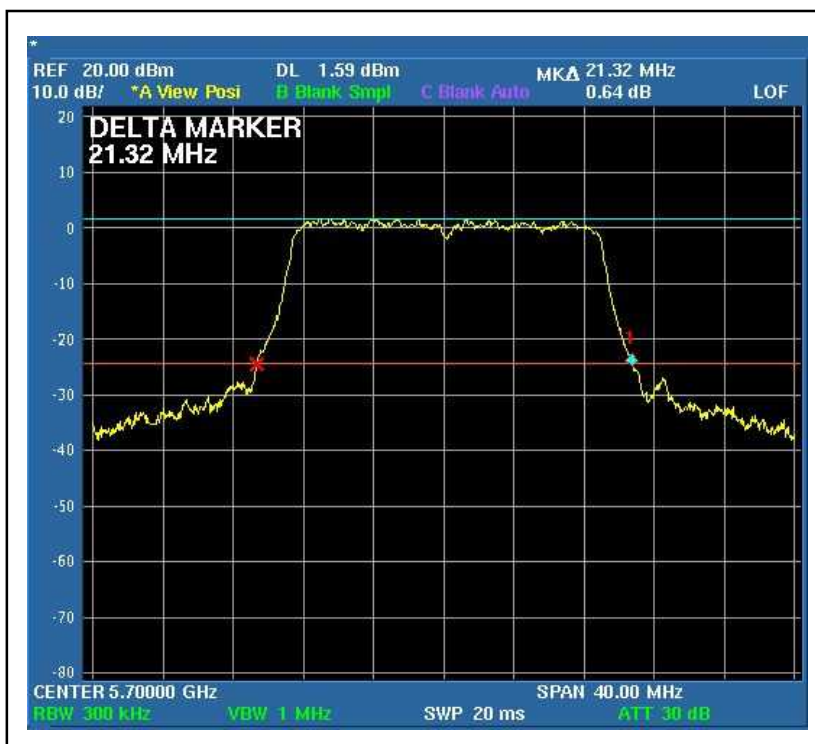
CH9



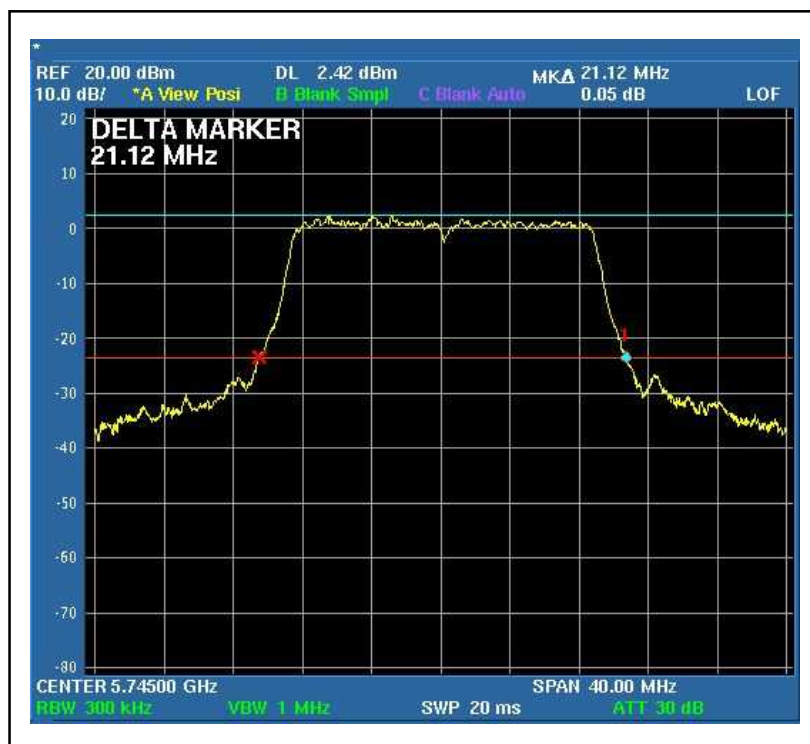
CH14



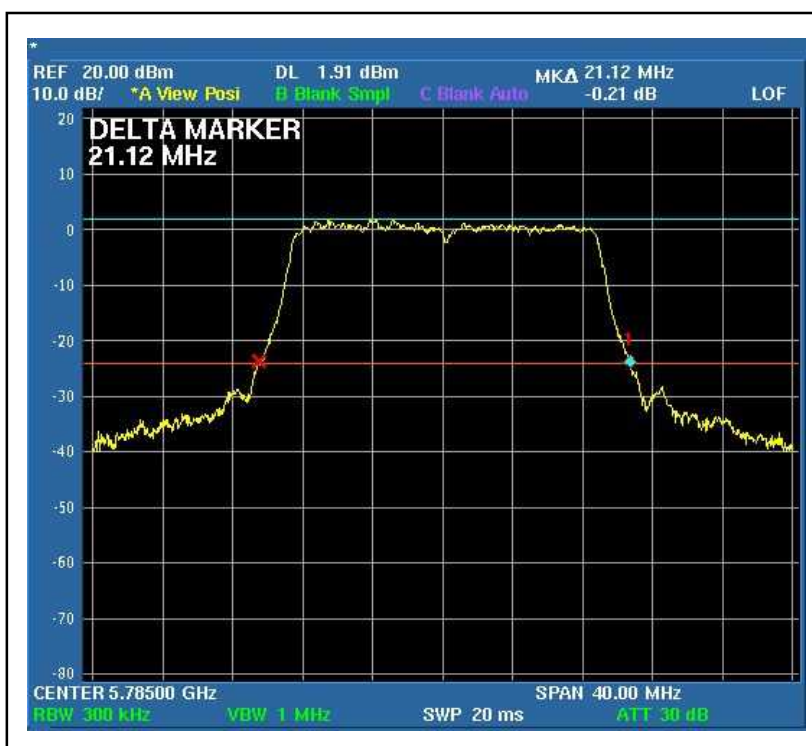
CH19



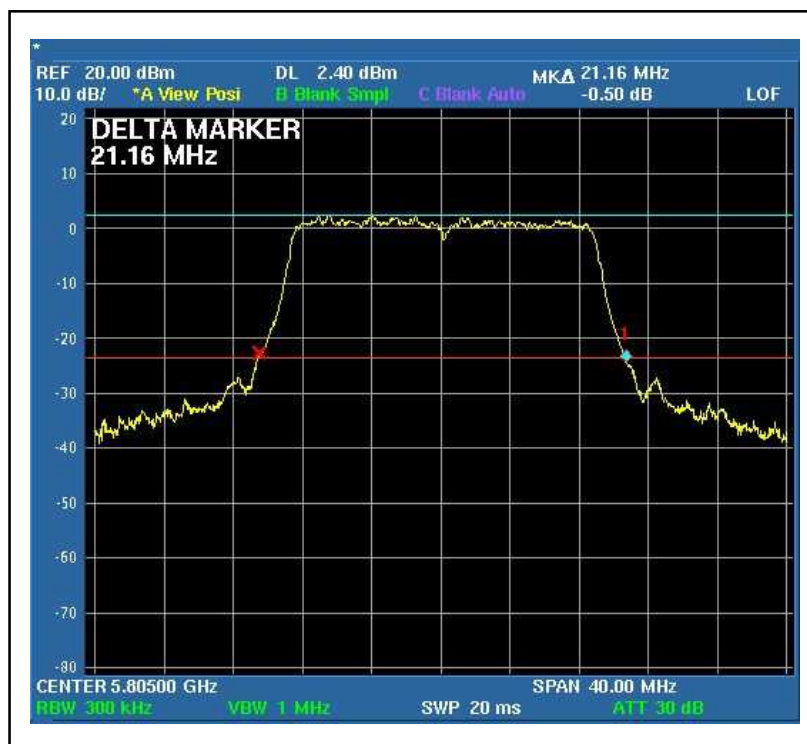
CH20



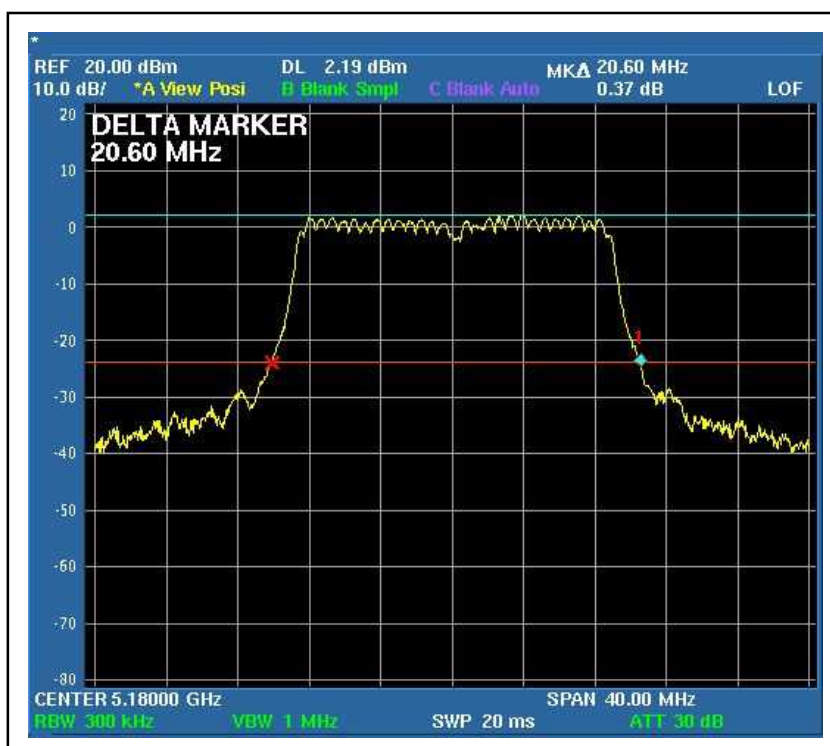
CH22



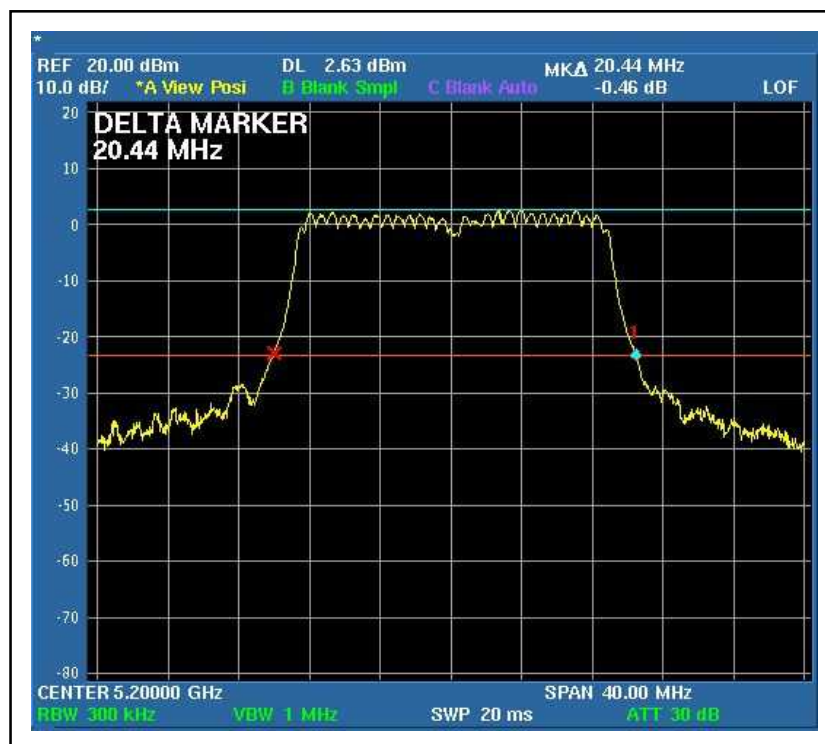
CH23



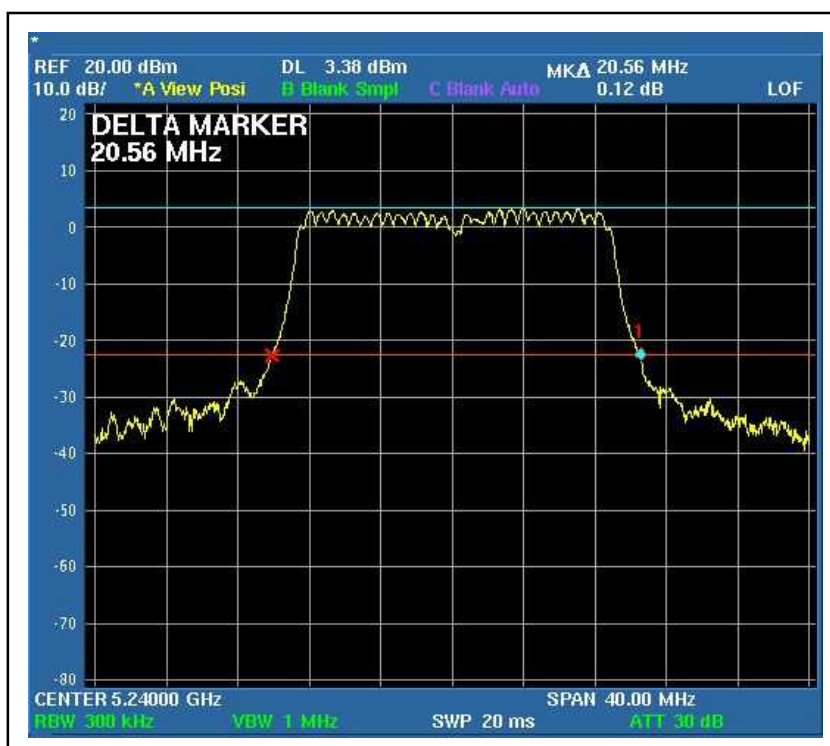
For Chain (1) :CH1



CH2



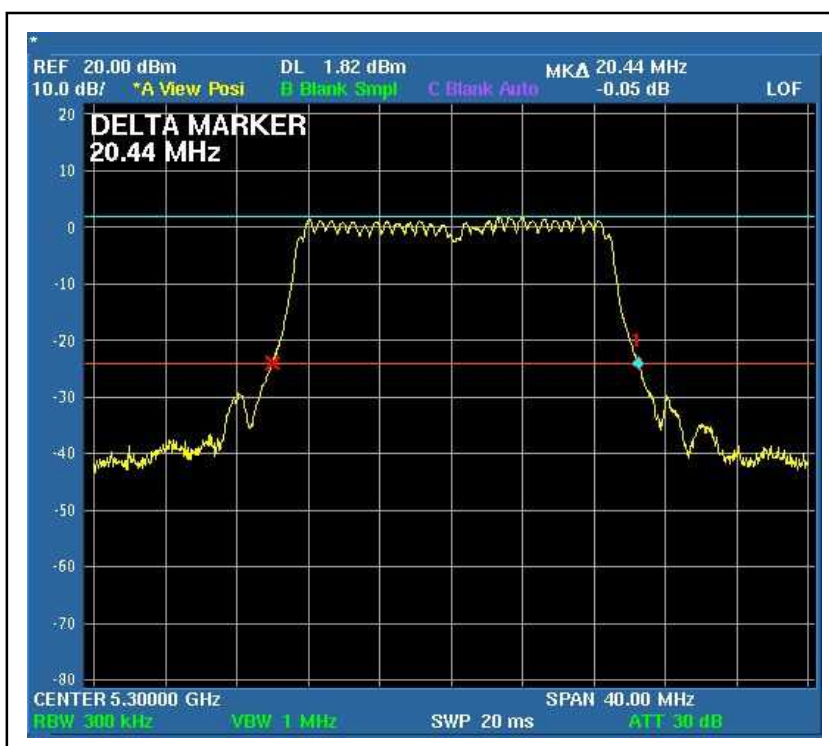
CH4



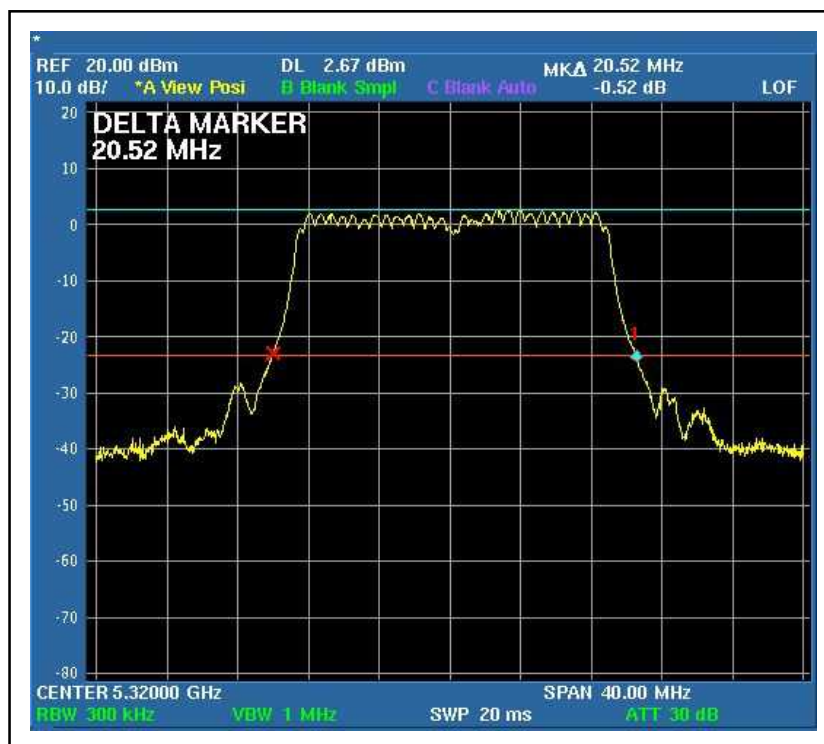
CH5



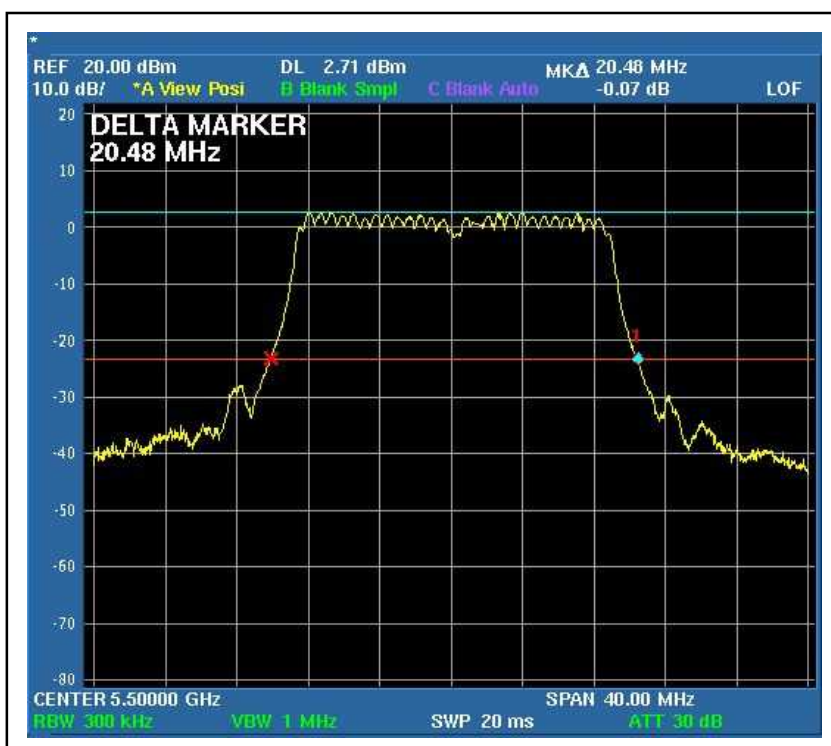
CH7



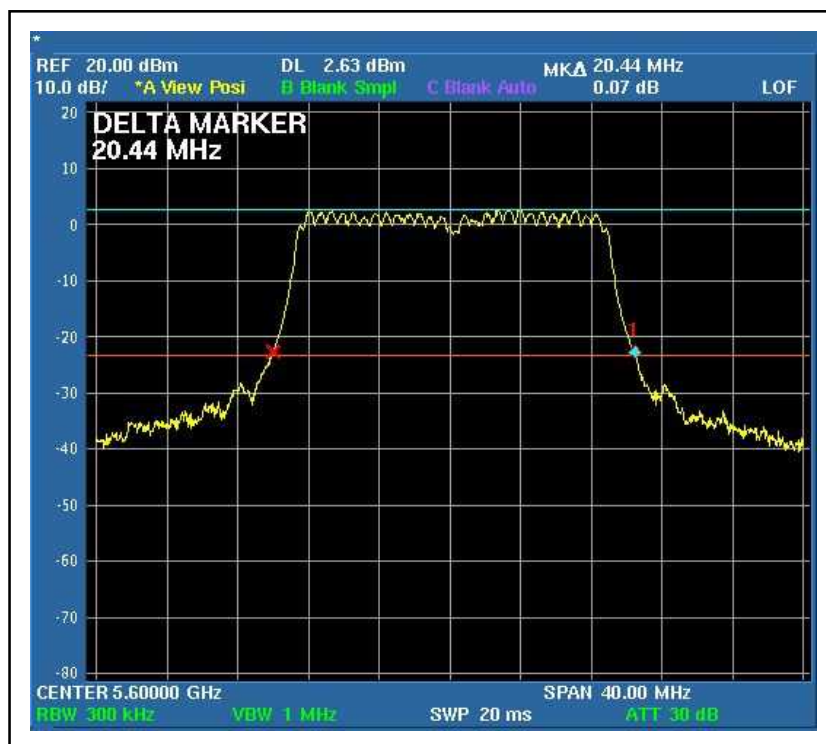
CH8



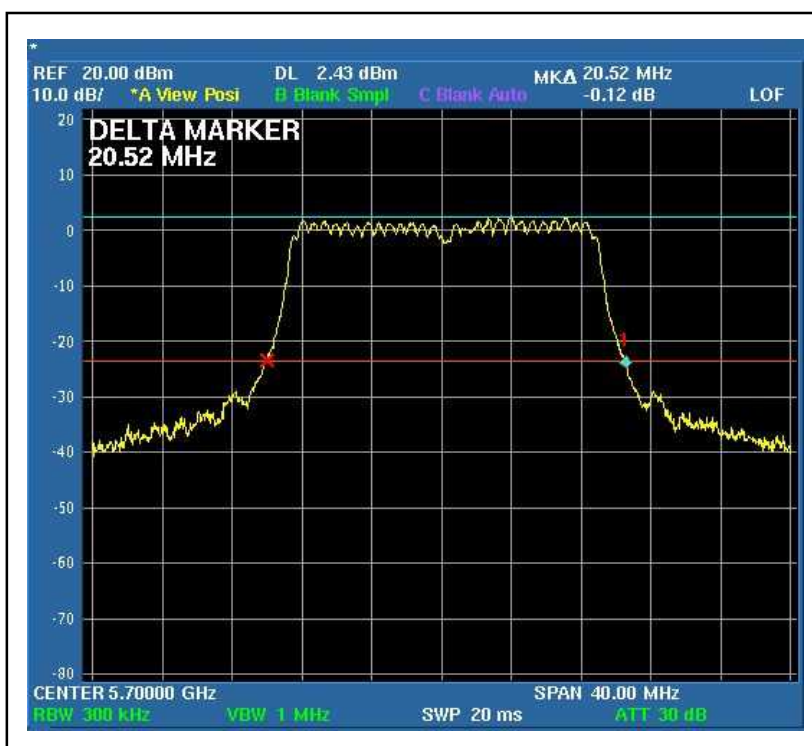
CH9



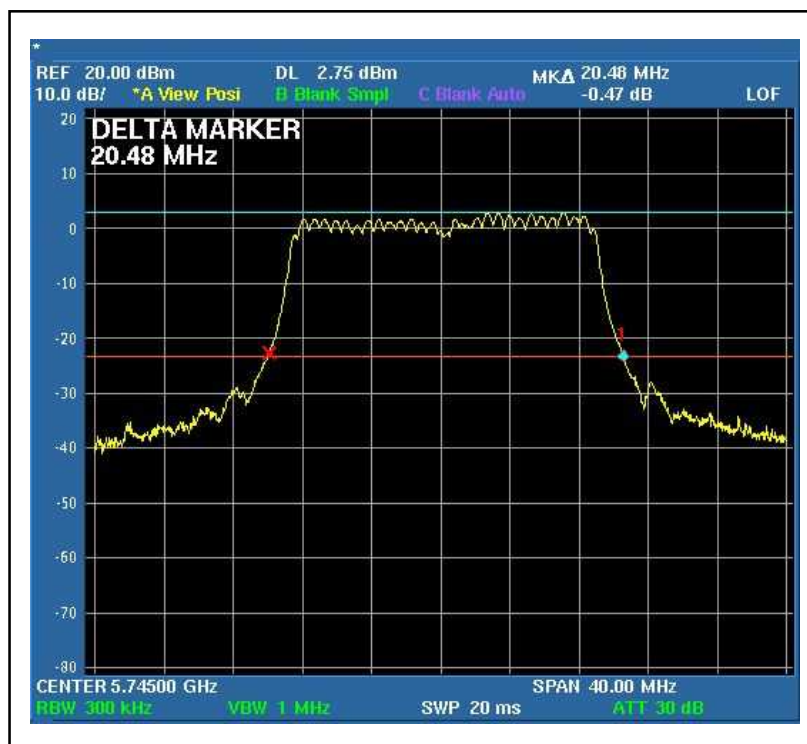
CH14



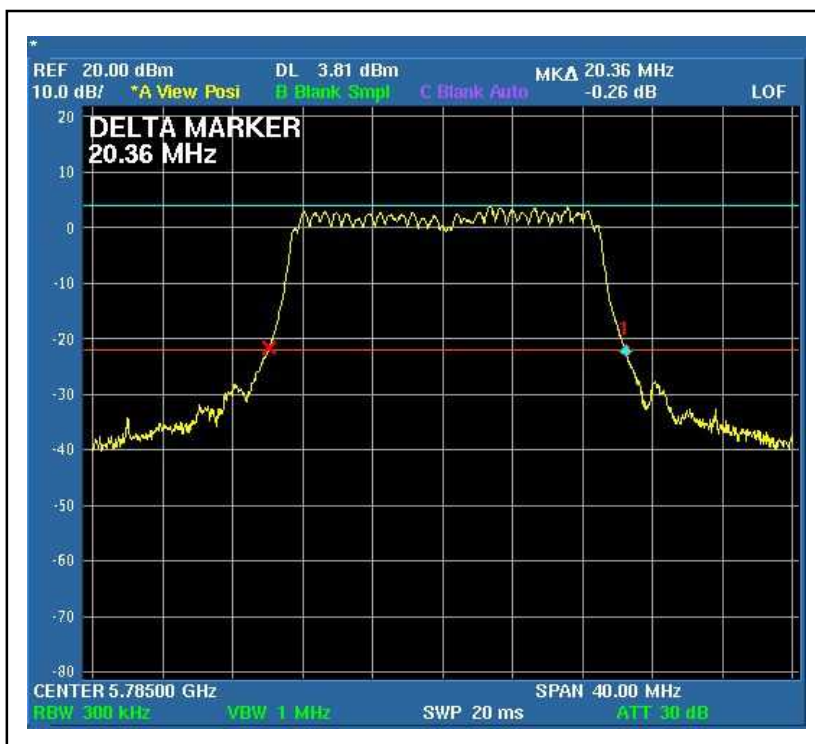
CH19



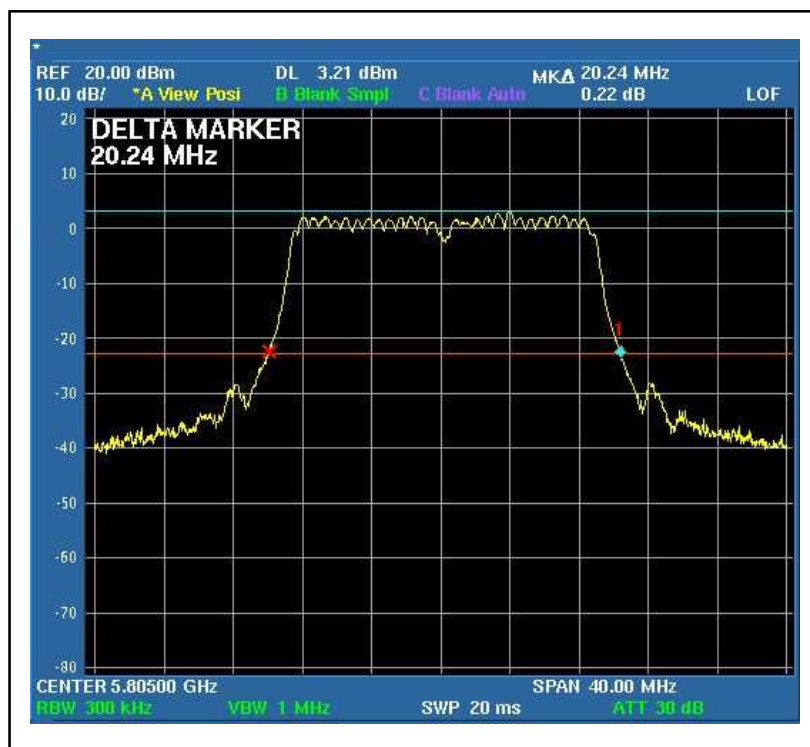
CH20



CH22



CH23





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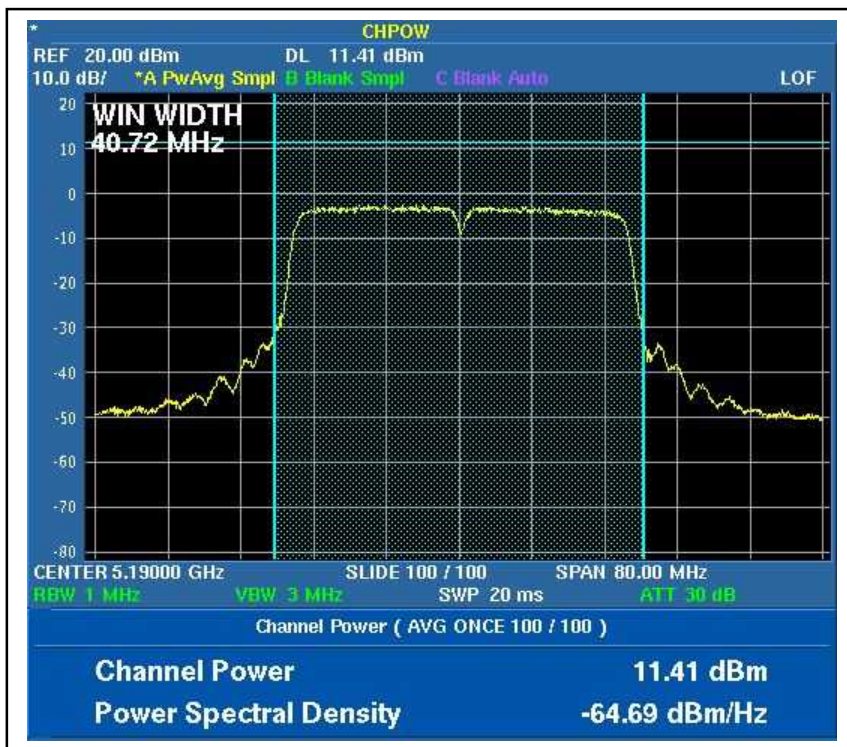
DRAFT 802.11n (40MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	27Mbps
INPUT POWER	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Rex Huang		

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	11.41	10.82	13.836	12.078	14.14	25.914	17.00	40.72	40.64	PASS
2	5230	11.98	11.60	15.776	14.454	14.80	30.230	17.00	40.8	40.56	PASS
3	5270	11.61	11.51	14.488	14.158	14.57	28.646	24.00	40.88	40.56	PASS
4	5310	11.72	10.66	14.859	11.641	14.23	26.500	24.00	40.8	40.32	PASS
5	5510	11.32	11.84	13.552	15.276	14.60	28.828	24.00	40.72	40.32	PASS
7	5590	11.28	11.19	13.428	13.152	14.25	26.580	24.00	40.56	41.04	PASS
9	5670	12.35	11.22	17.179	13.243	14.83	30.422	24.00	40.8	40.56	PASS
10	5755	11.50	11.54	14.125	14.256	14.53	28.381	30.00	40.72	40.08	PASS
11	5795	11.93	12.00	15.596	15.849	14.98	31.445	30.00	40.8	40.24	PASS

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

Peak Power Output:
For Chain (0) :CH1



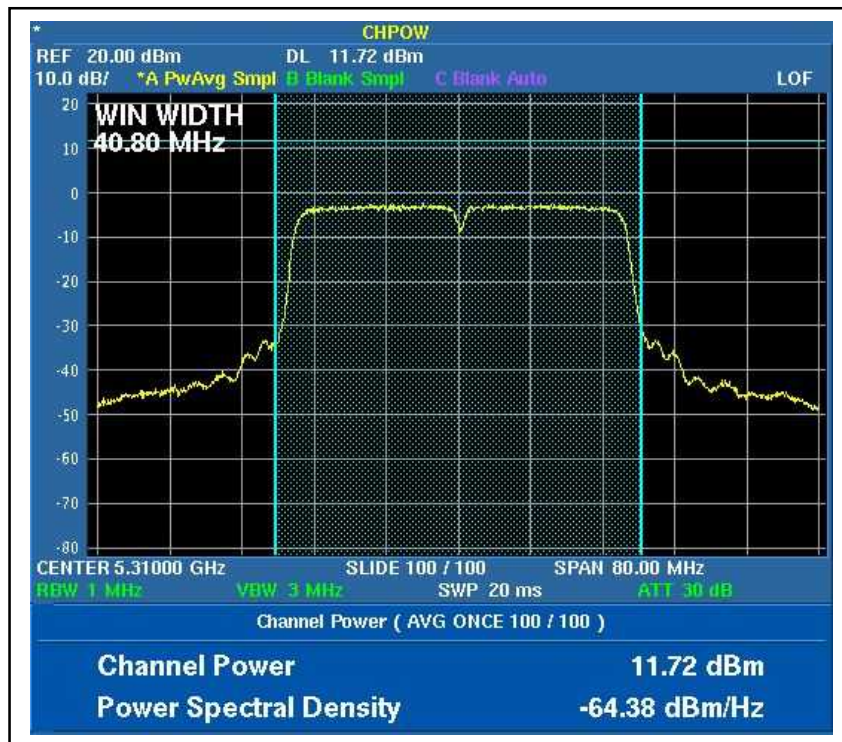
CH2



CH3



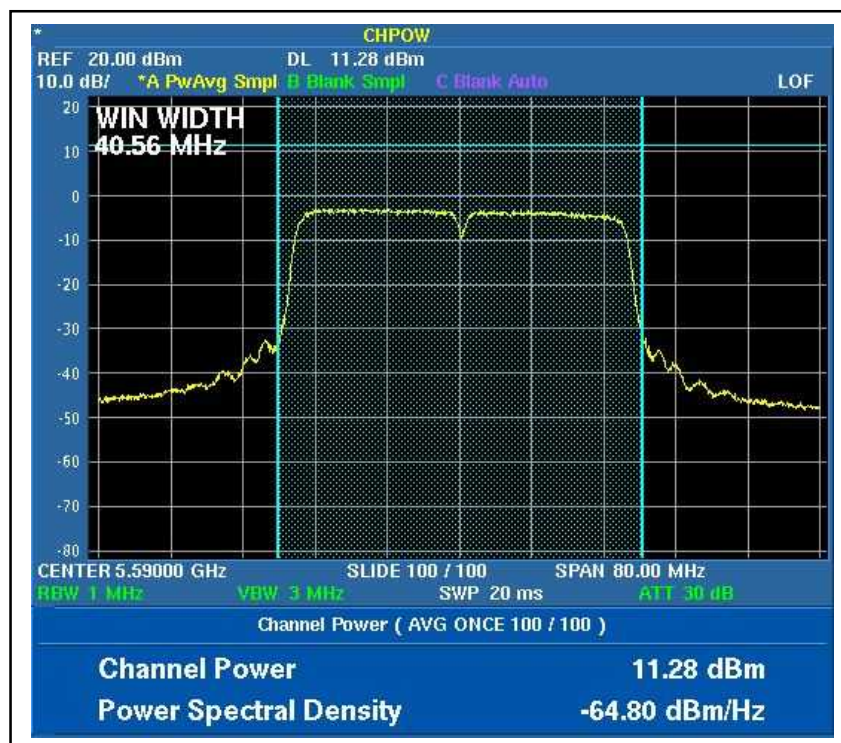
CH4



CH5



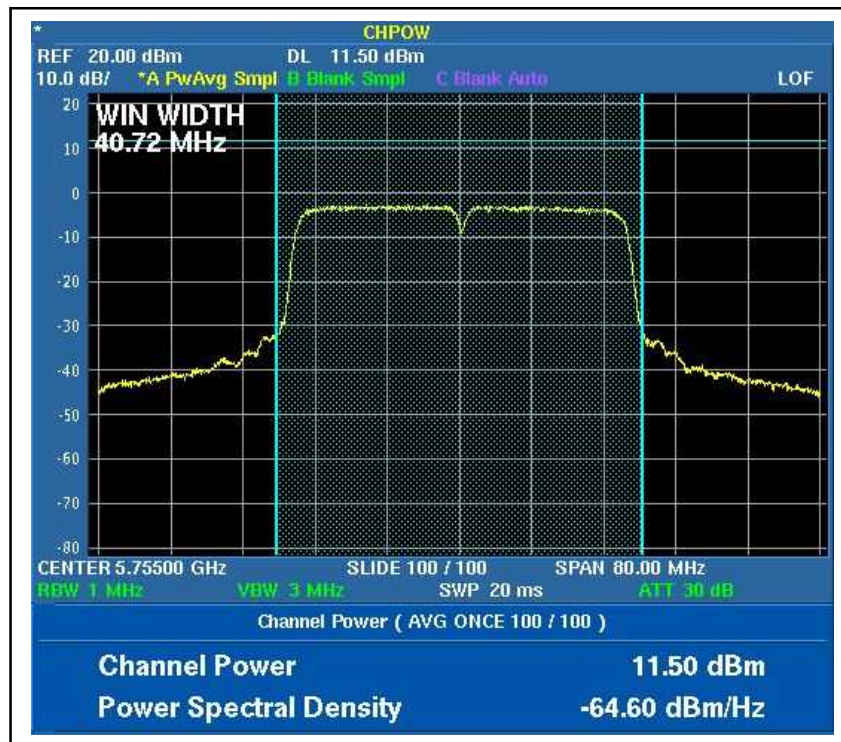
CH7



CH9



CH10



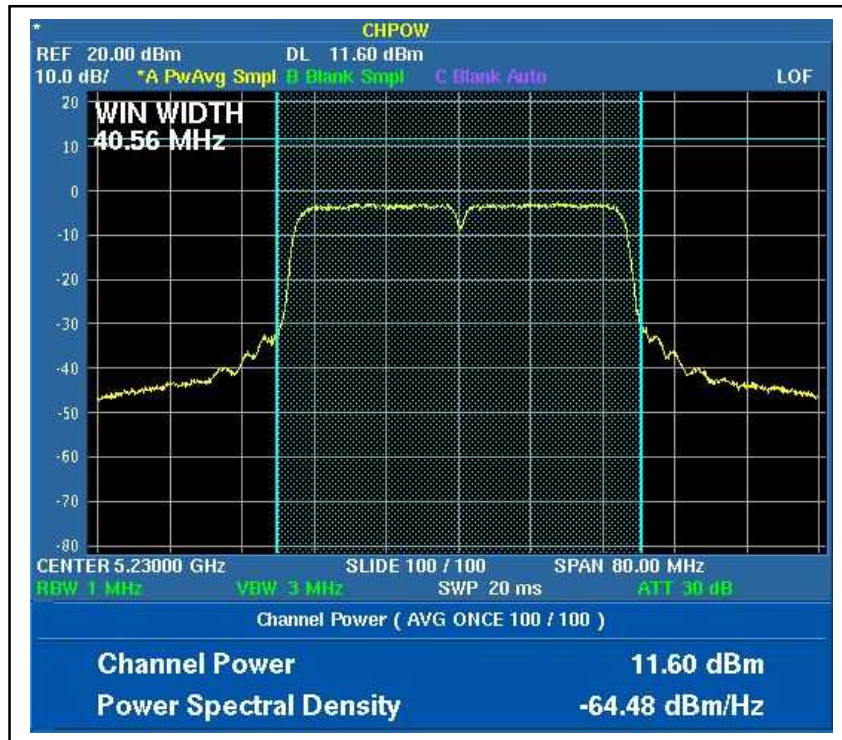
CH11



For Chain (1) :CH1



CH2



CH3



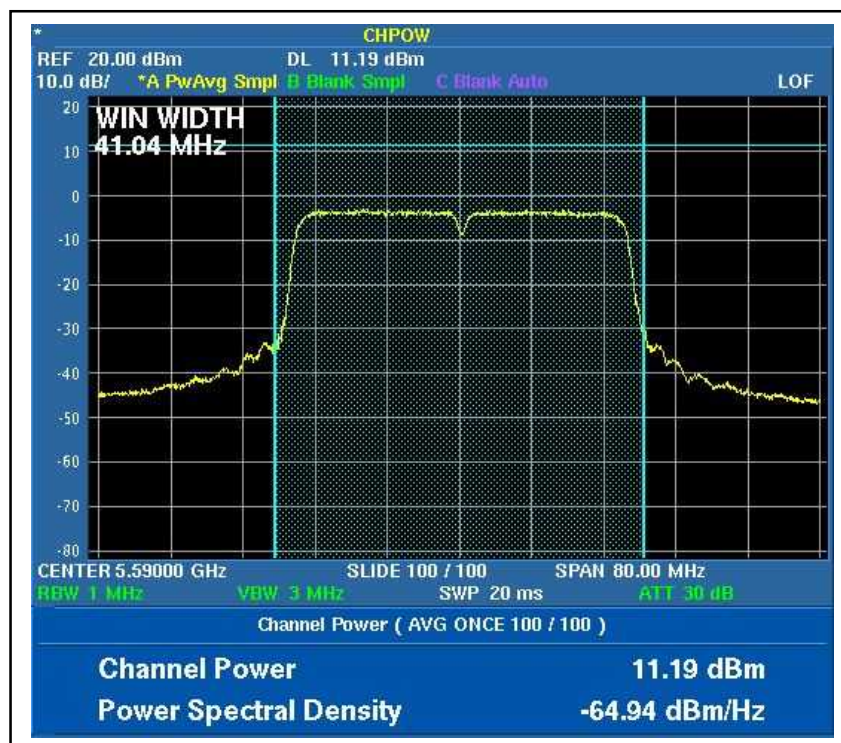
CH4



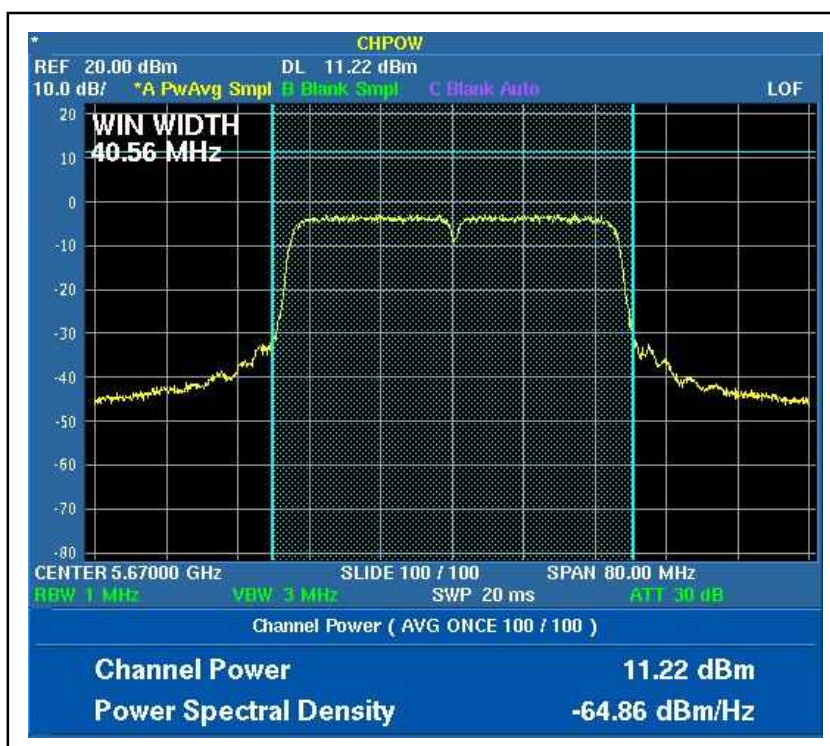
CH5



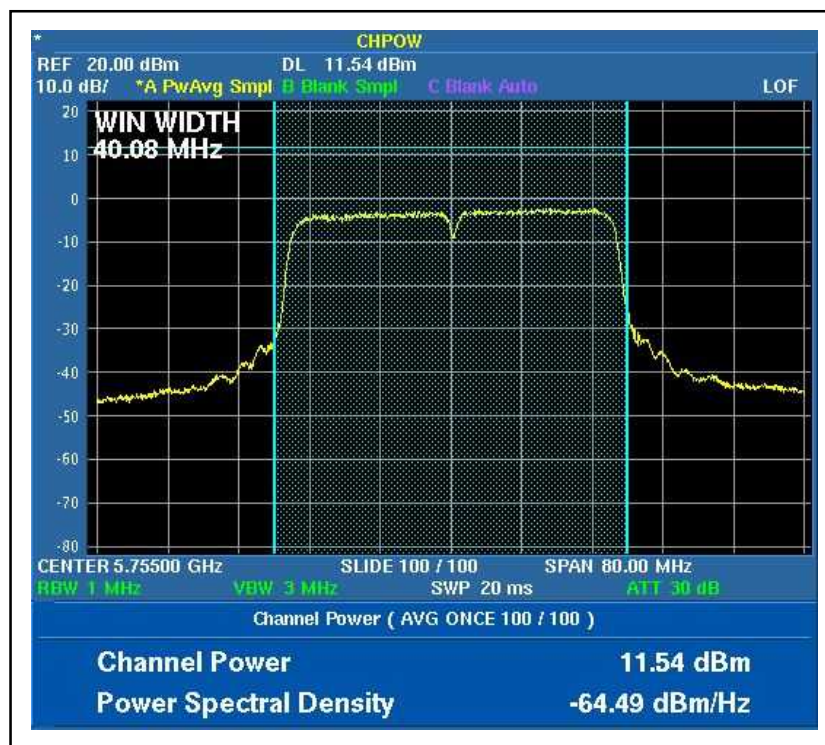
CH7



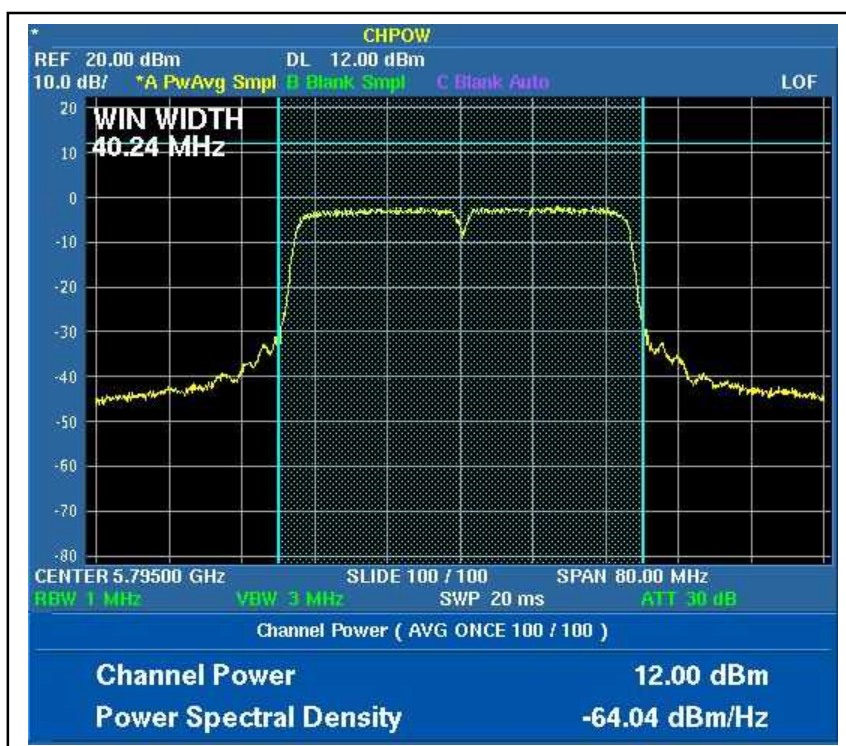
CH9



CH10



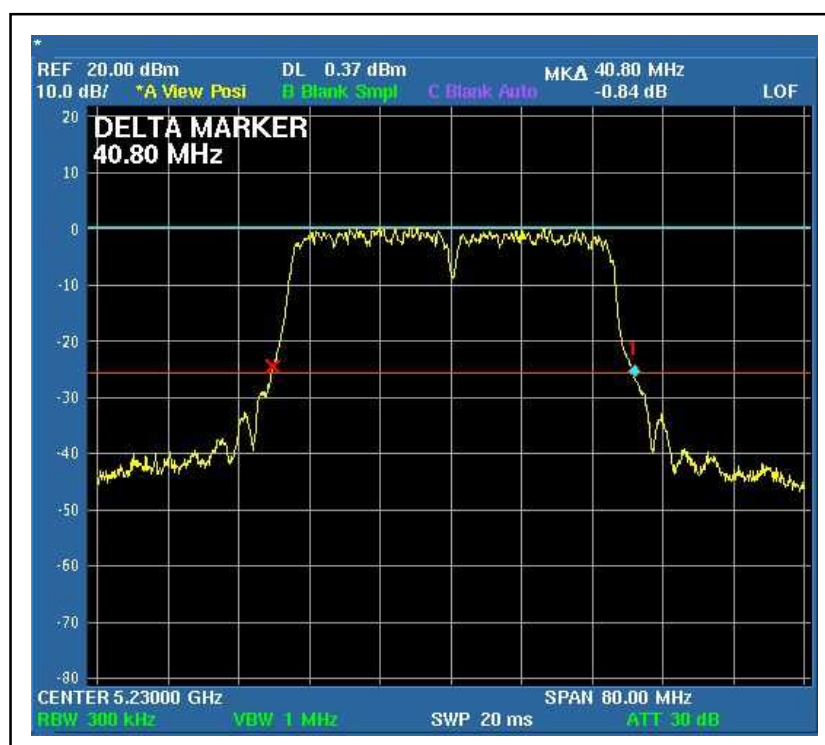
CH11



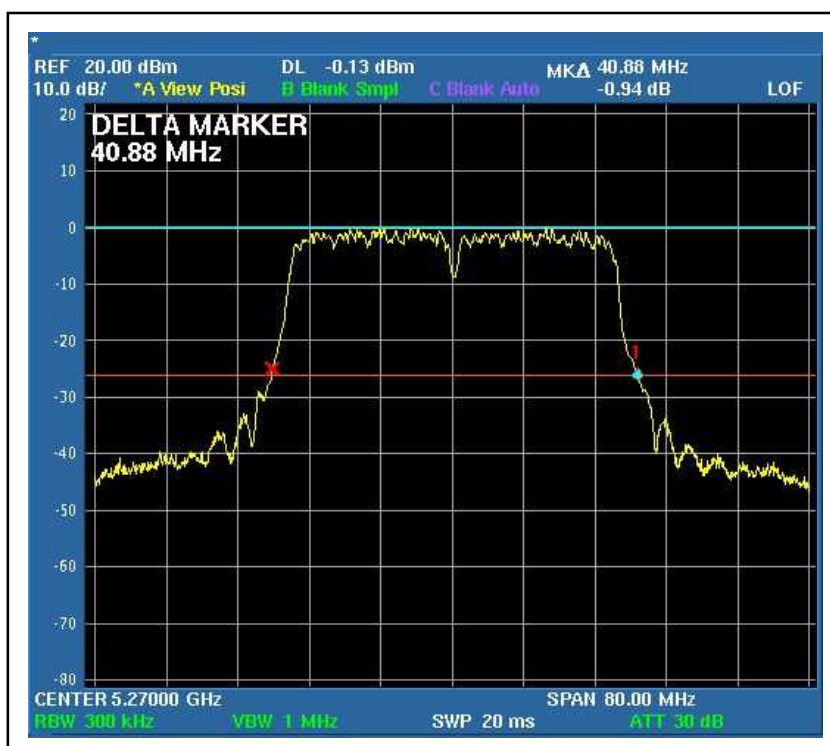
26dB Occupied Bandwidth:
For Chain (0) :CH1



CH2



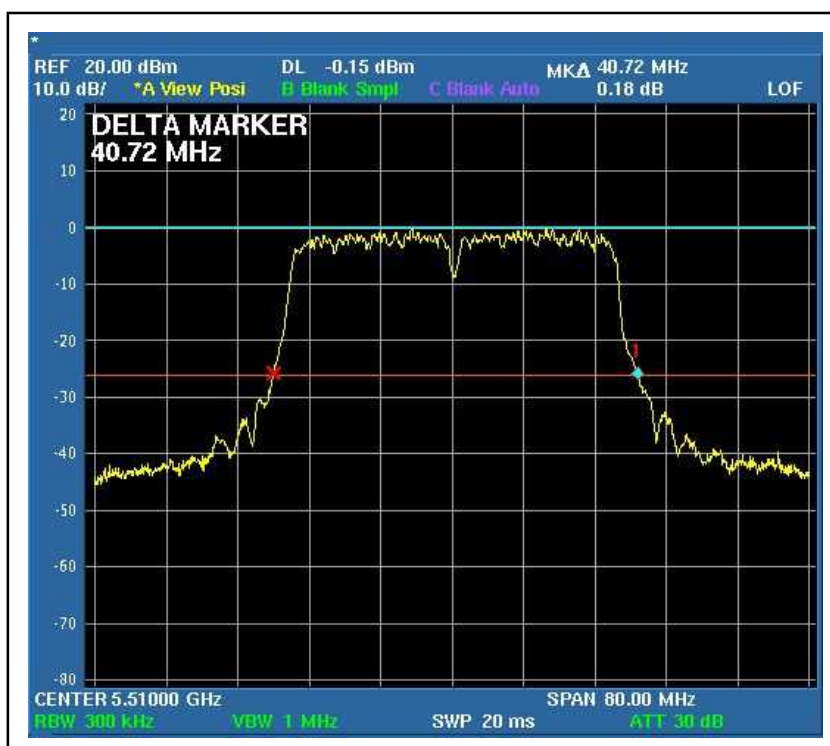
CH3



CH4



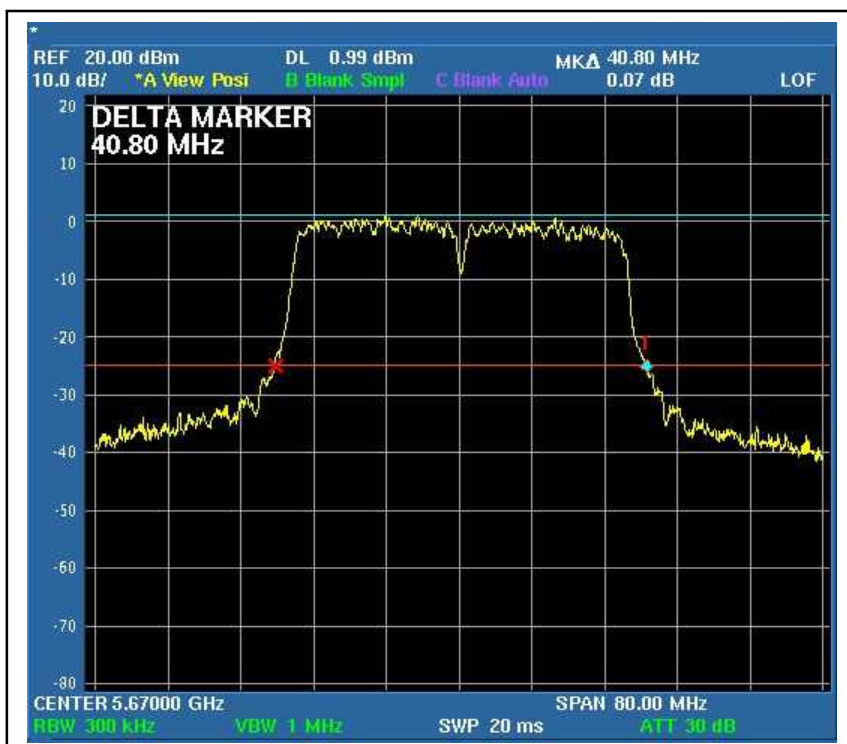
CH5



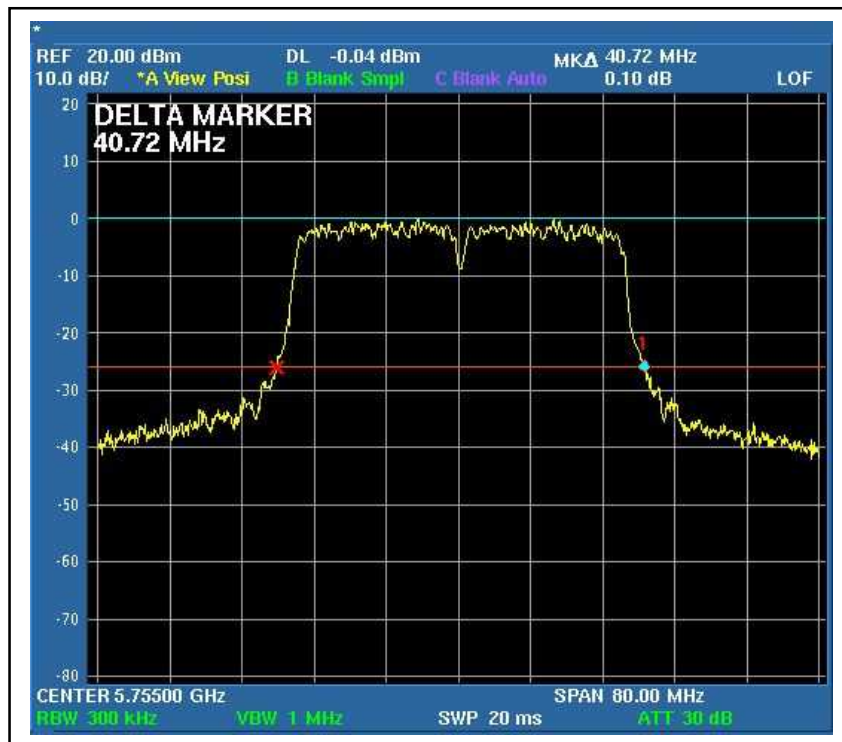
CH7



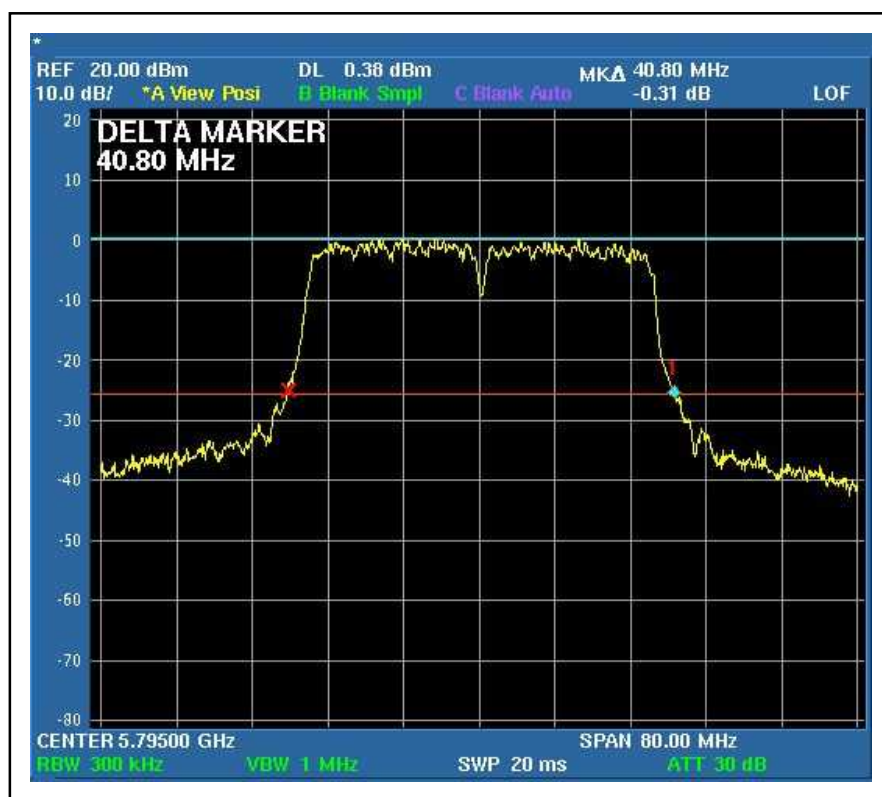
CH9



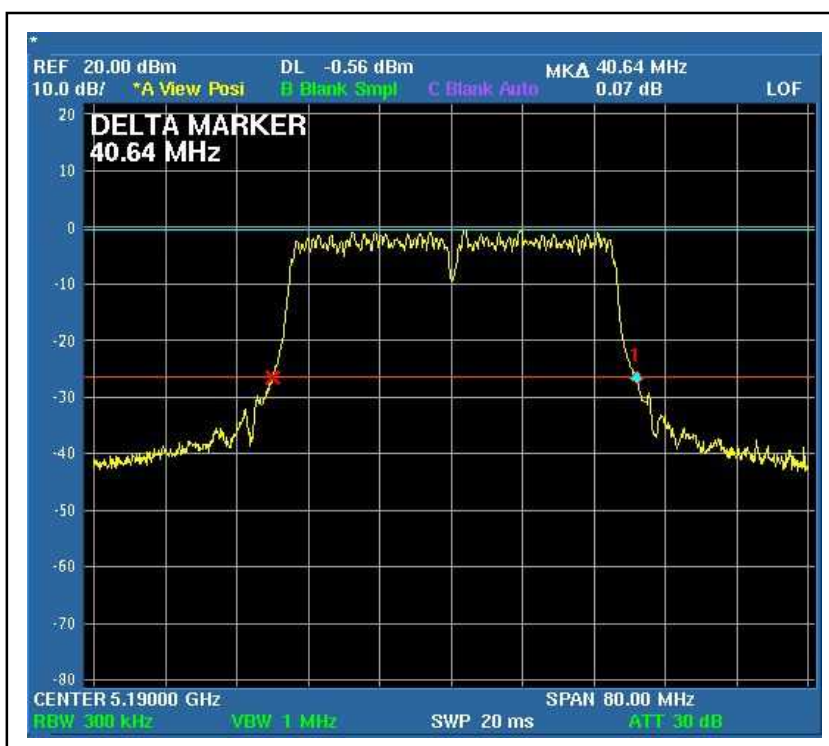
CH10



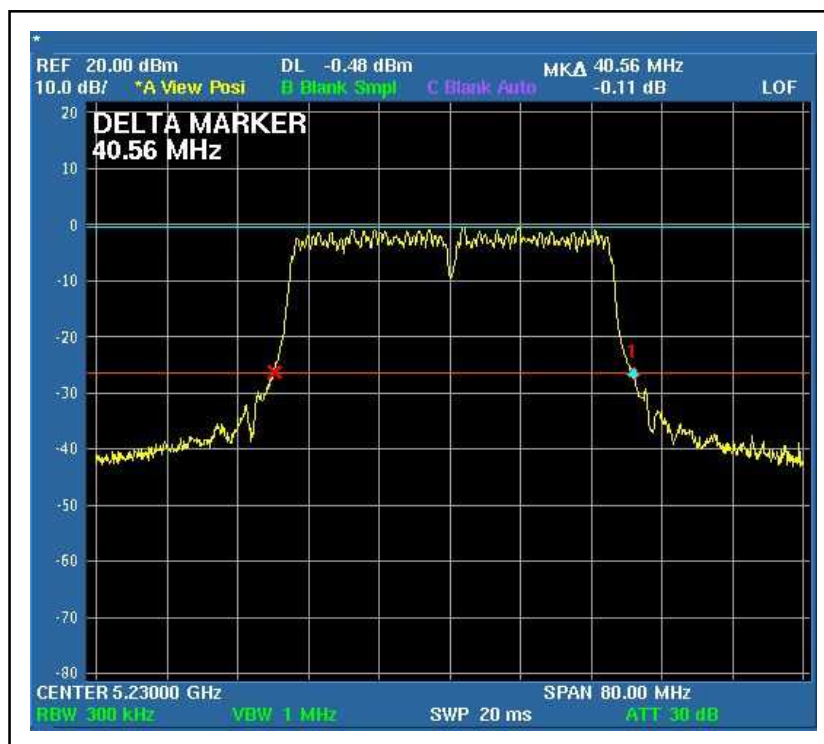
CH11



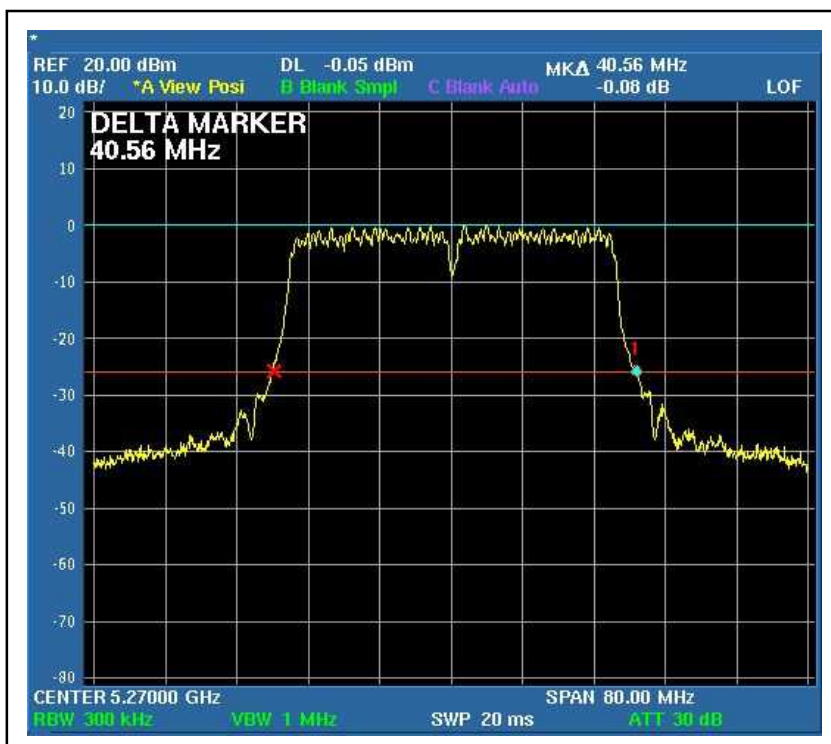
For Chain (1) :CH1



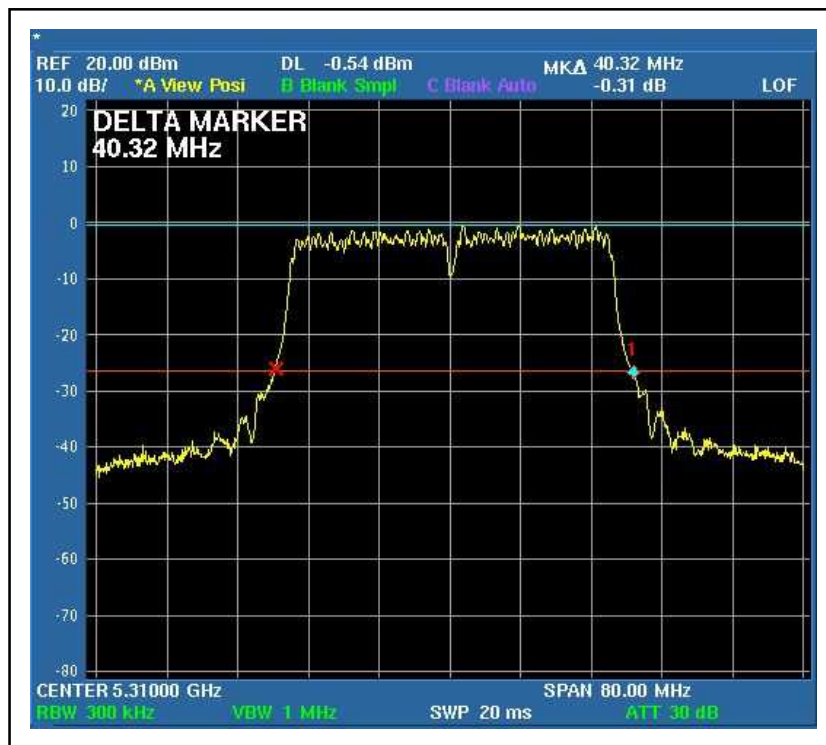
CH2



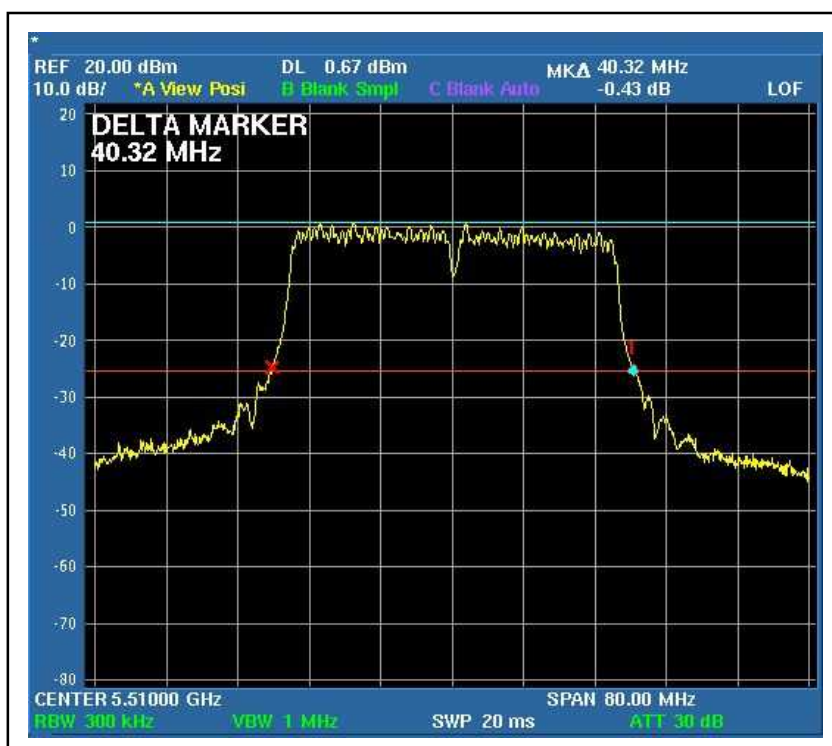
CH3



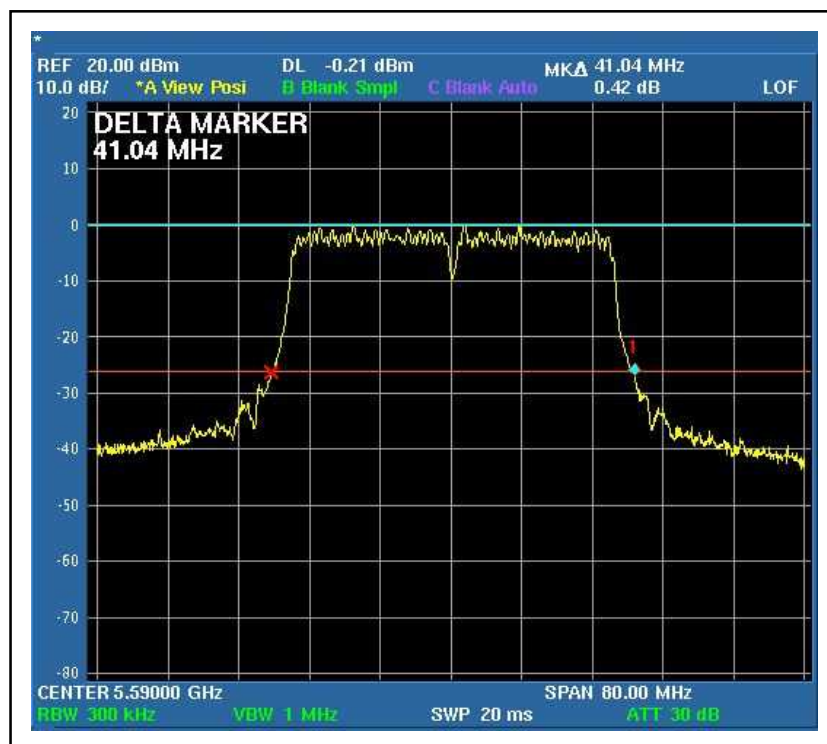
CH4



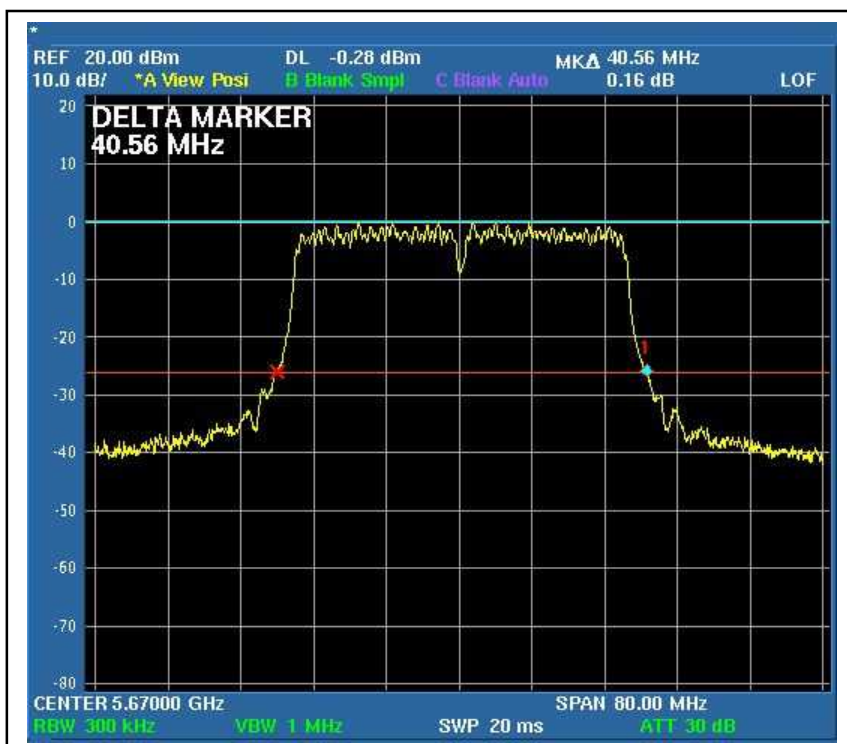
CH5



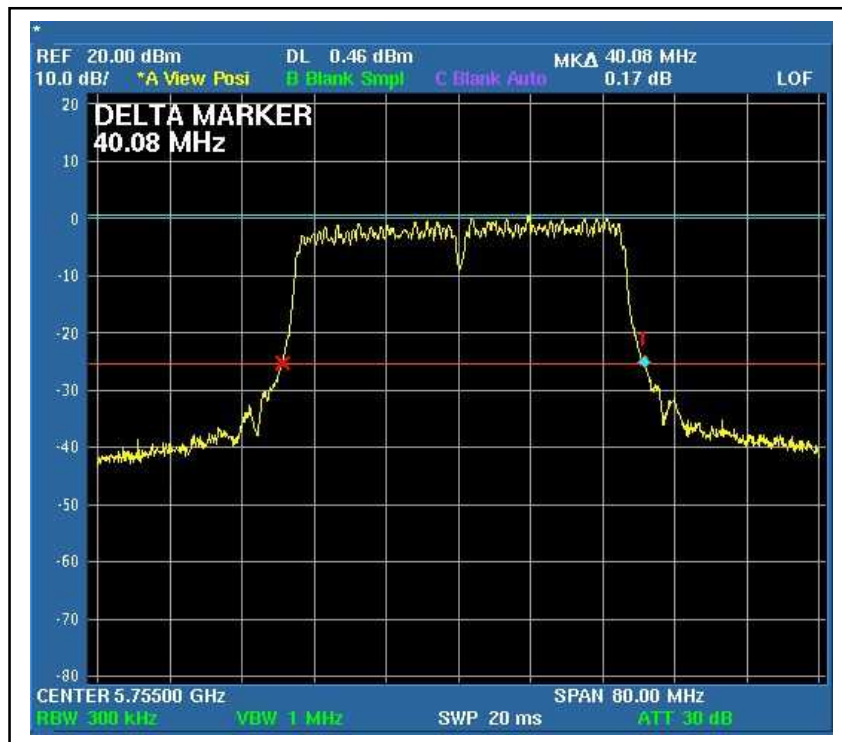
CH7



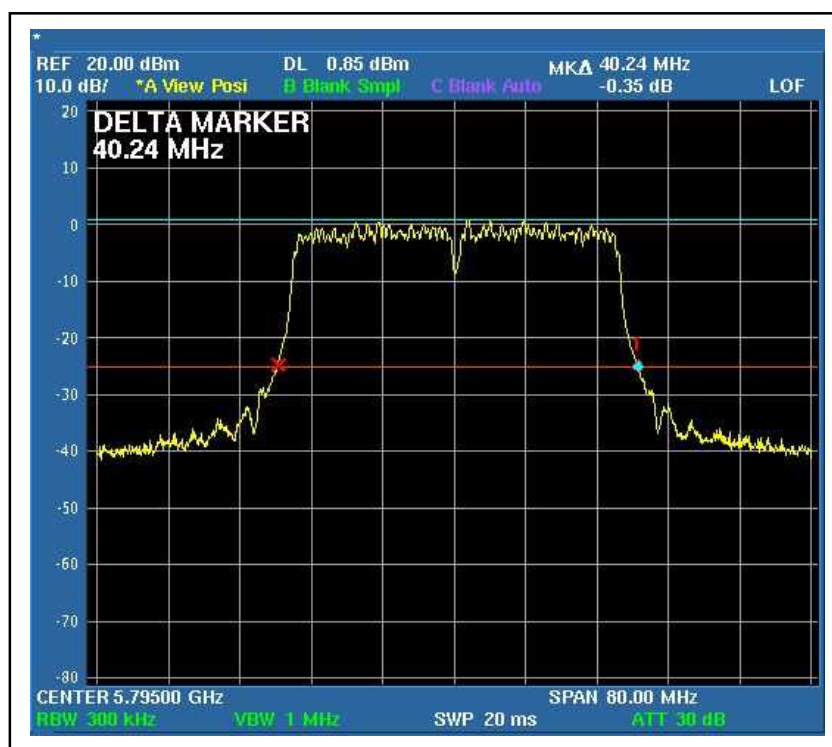
CH9



CH10



CH11





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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
ADVANTEST SPECTRUM ANALYZER	U3772	160100280	July 26, 2008	July 25, 2009

NOTE:

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
- 2.The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

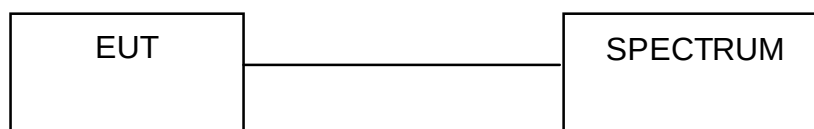
4.4.3 TEST PROCEDURE

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.



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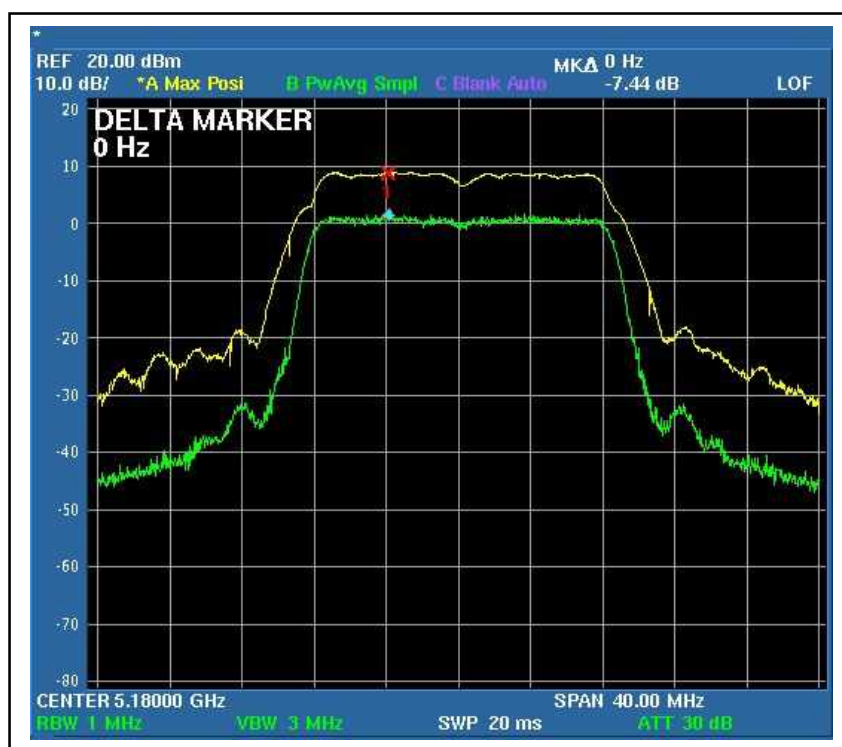
4.4.7 TEST RESULTS

802.11a OFDM modulation

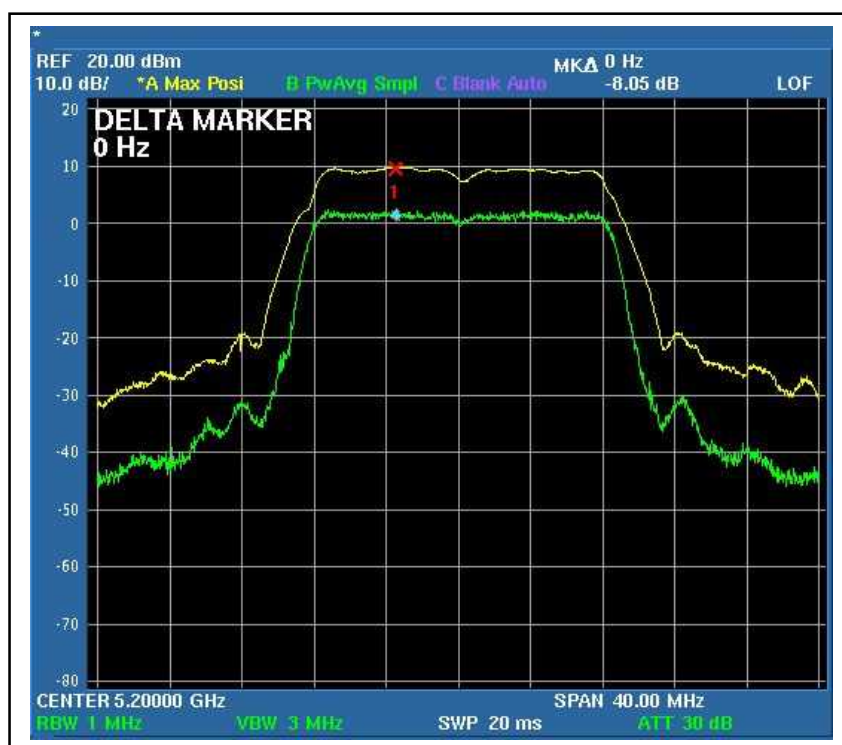
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Rex Huang		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	7.44	13	PASS
2	5200	8.05	13	PASS
4	5240	7.73	13	PASS
5	5260	8.65	13	PASS
7	5300	8.46	13	PASS
8	5320	8.2	13	PASS
9	5500	8.66	13	PASS
14	5600	8.14	13	PASS
19	5700	8.58	13	PASS
20	5745	8.32	13	PASS
22	5785	7.85	13	PASS
23	5805	8.27	13	PASS

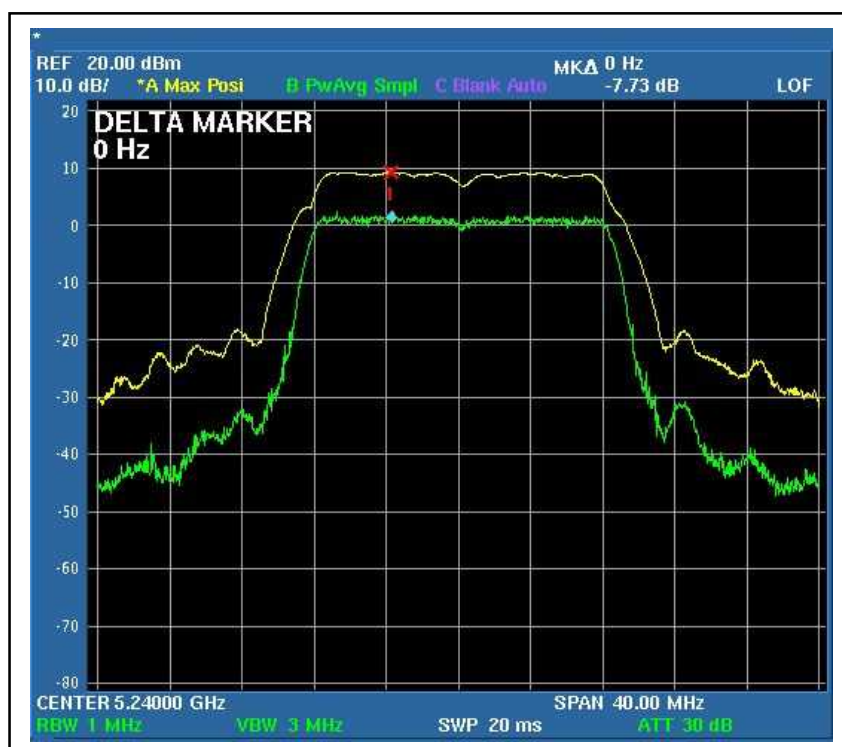
CH1



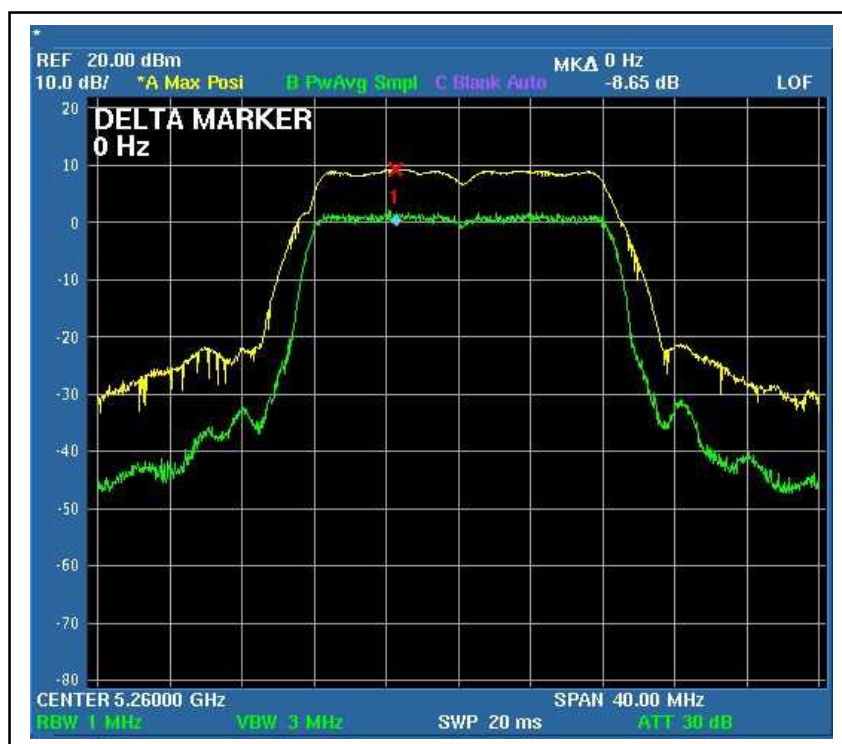
CH2



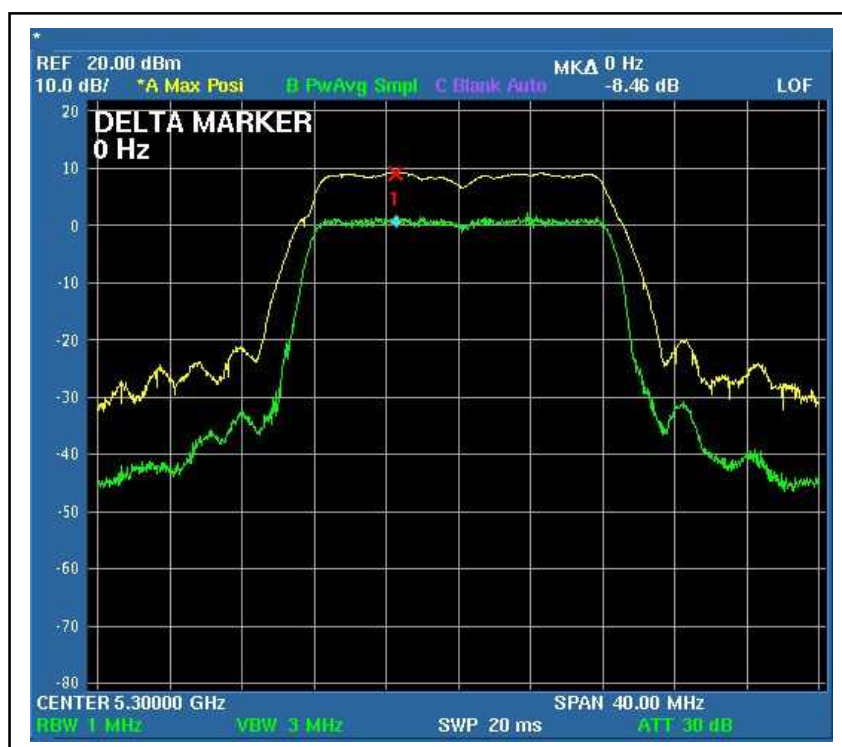
CH4



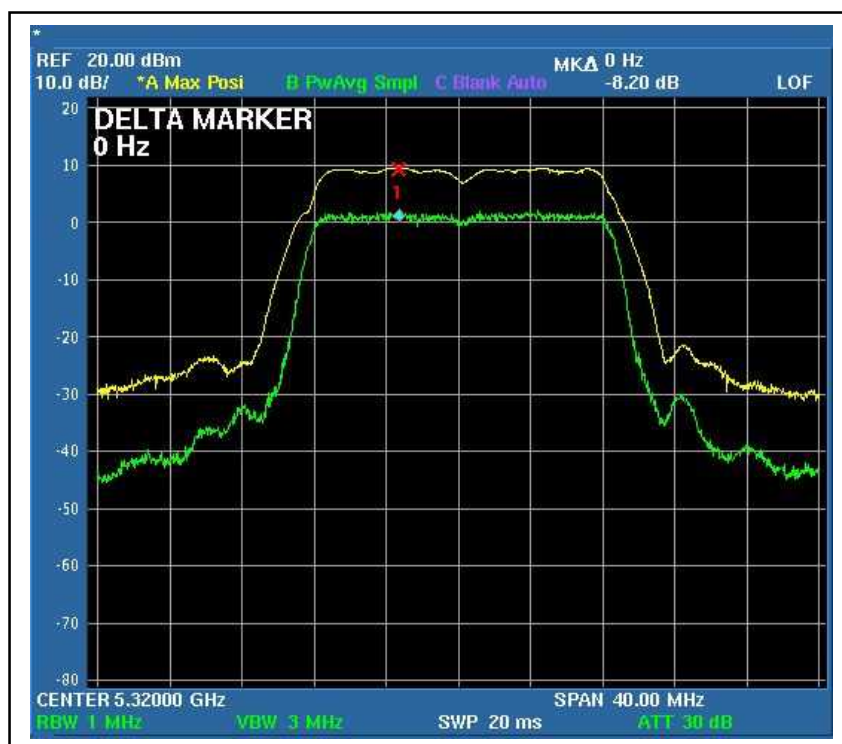
CH5



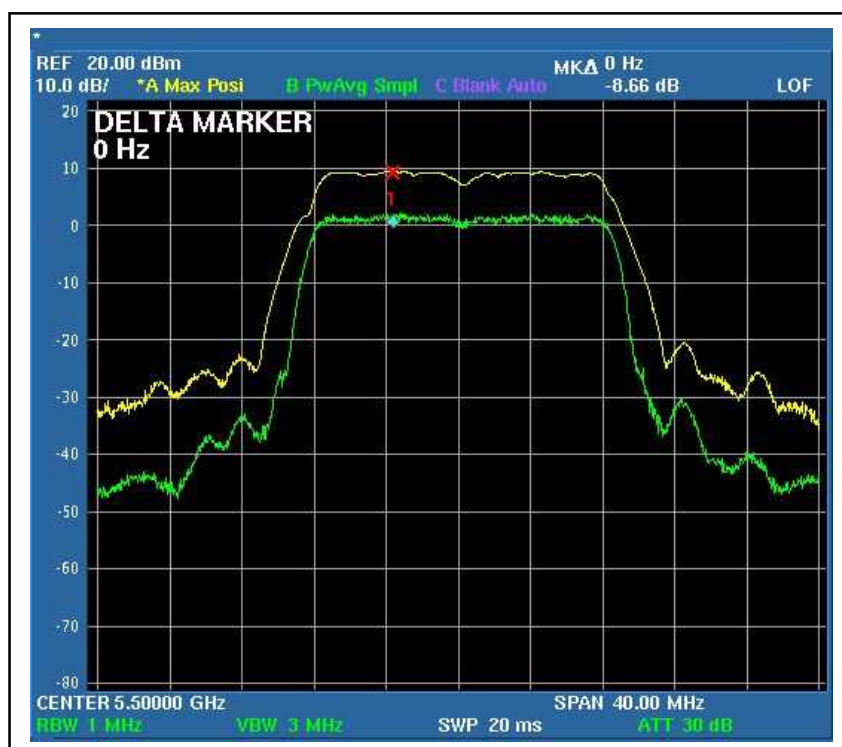
CH7



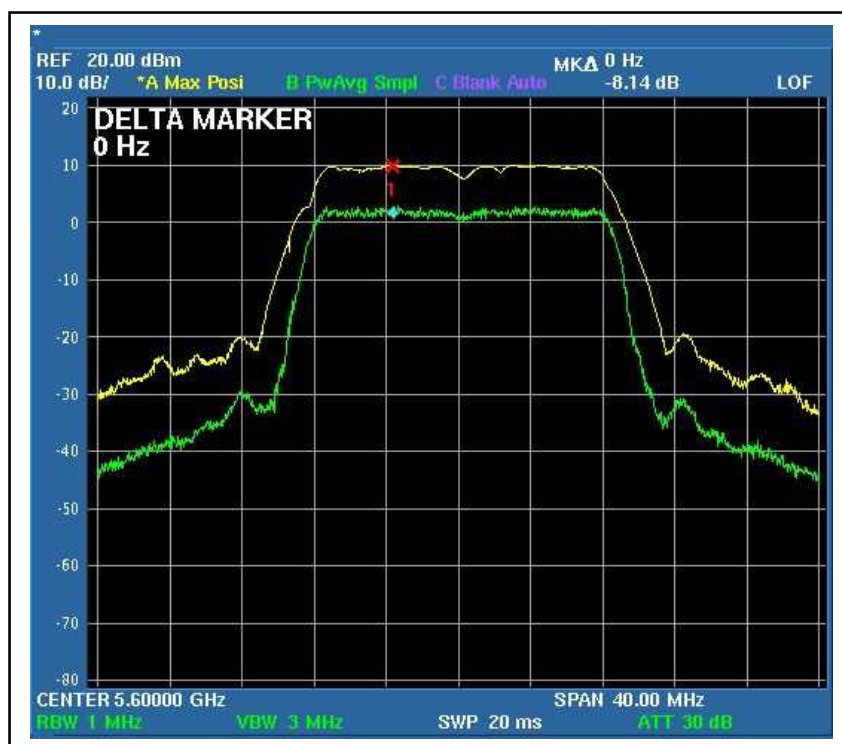
CH8



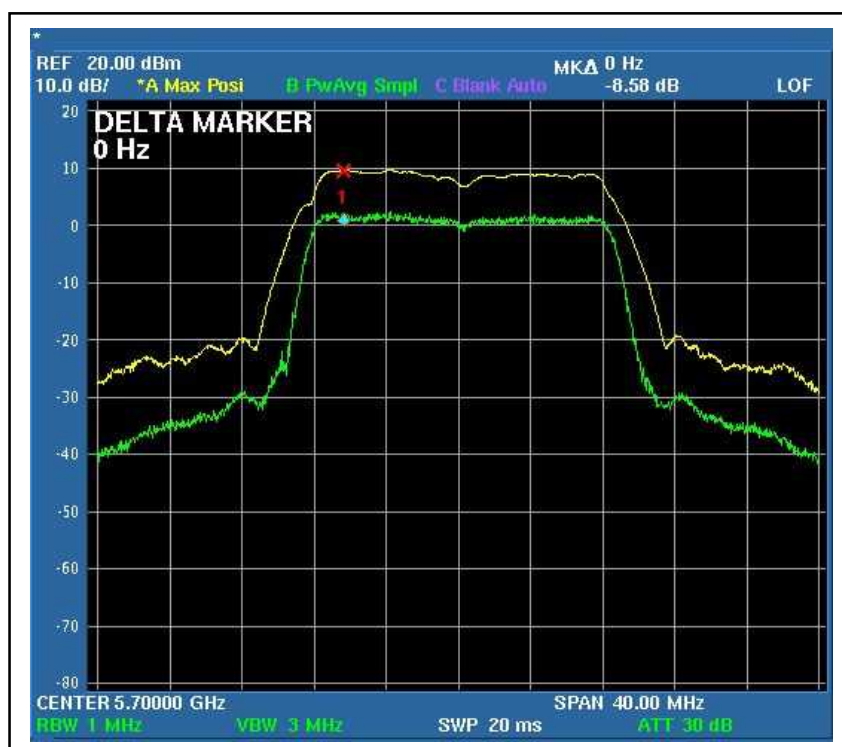
CH9



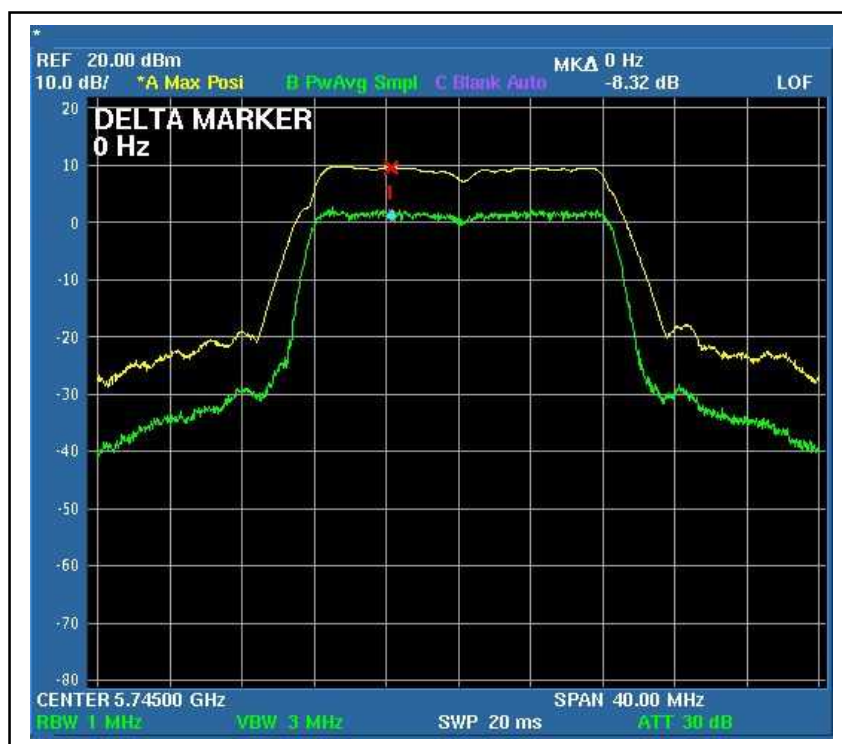
CH14



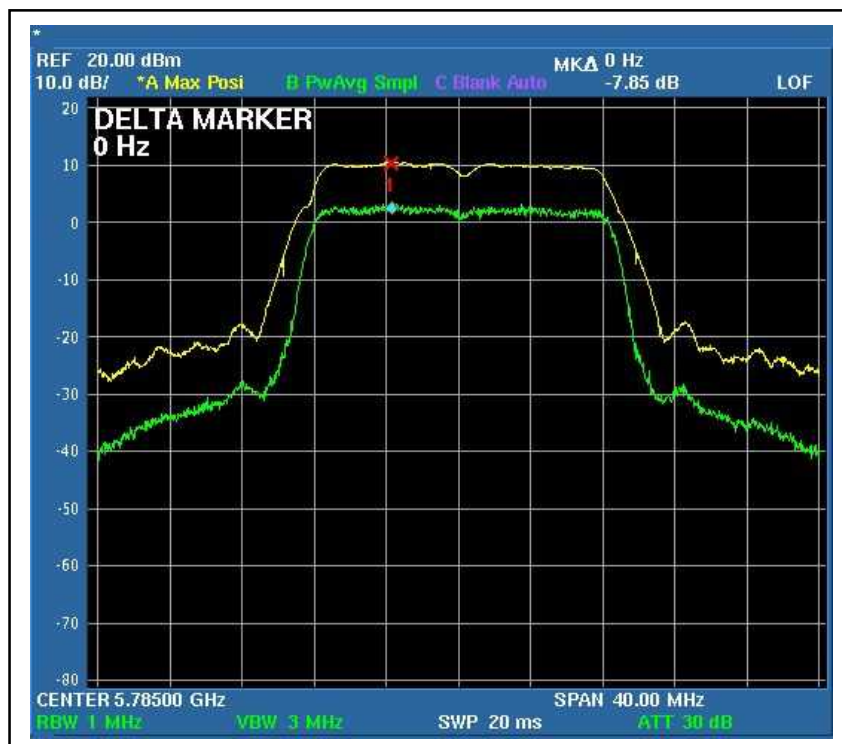
CH19



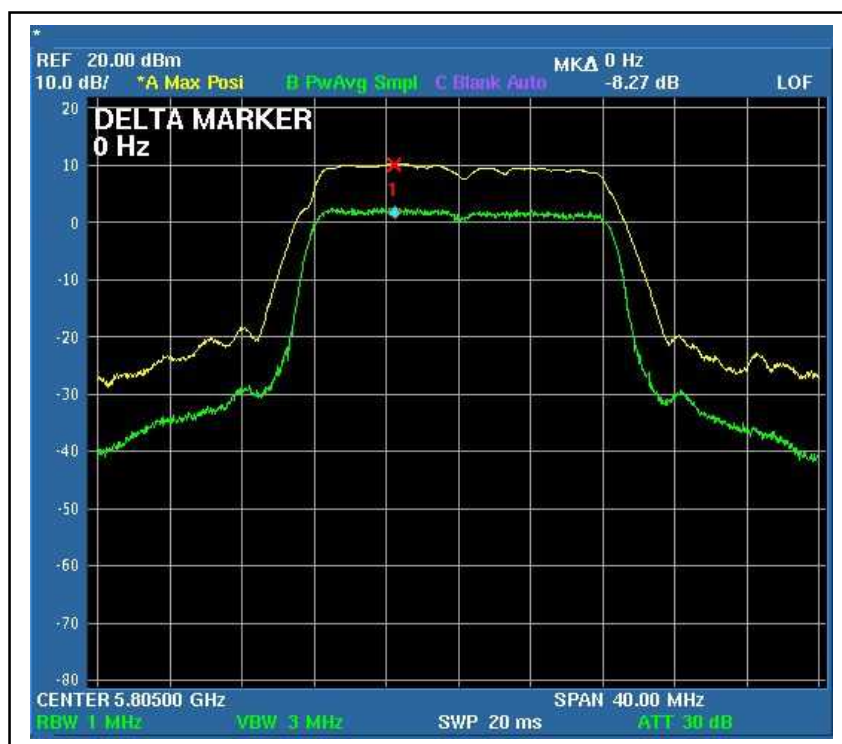
CH20



CH22



CH23





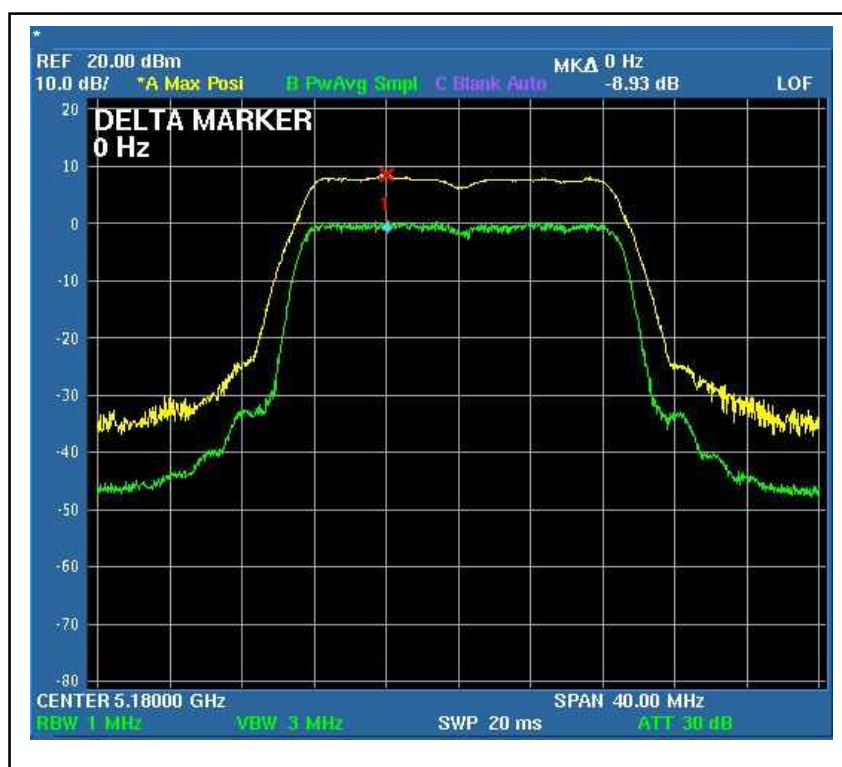
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DRAFT 802.11n (20MHz) OFDM MODULATION:

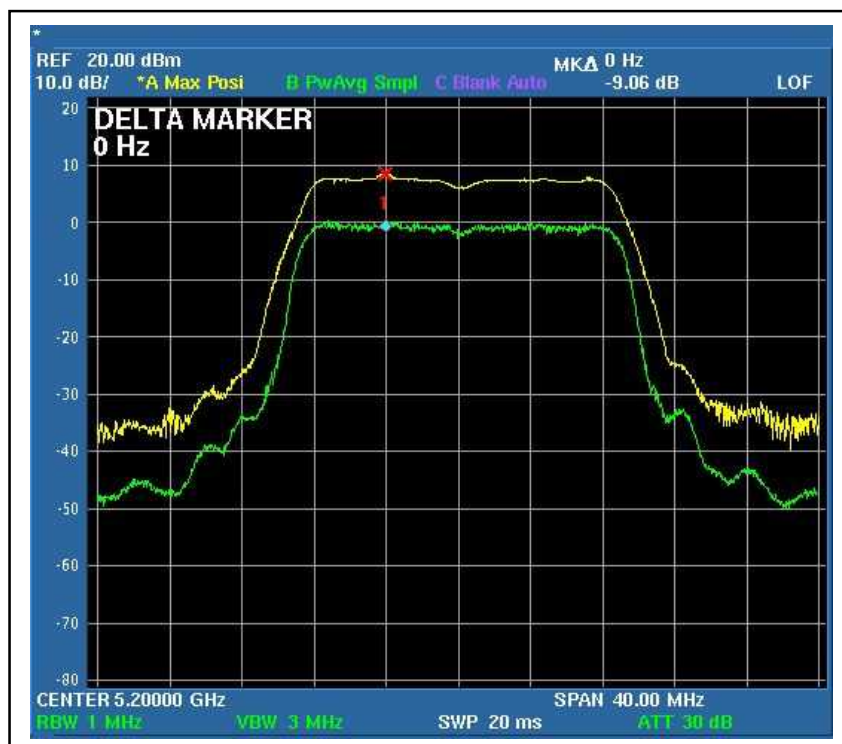
MODULATION TYPE	BPSK	TRANSFER RATE	13Mbps
INPUT POWER	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Rex Huang		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)		PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
		Chain (0)	Chain(1)		
1	5180	8.93	9.28	13	PASS
2	5200	9.06	9.25	13	PASS
4	5240	8.48	8.64	13	PASS
5	5260	9.05	9.55	13	PASS
7	5300	9.11	8.61	13	PASS
8	5320	8.72	9.18	13	PASS
9	5500	8.54	8.86	13	PASS
14	5600	9.31	8.91	13	PASS
19	5700	8.77	9.18	13	PASS
20	5745	9.14	8.75	13	PASS
22	5785	8.72	8.53	13	PASS
23	5805	9.05	9.83	13	PASS

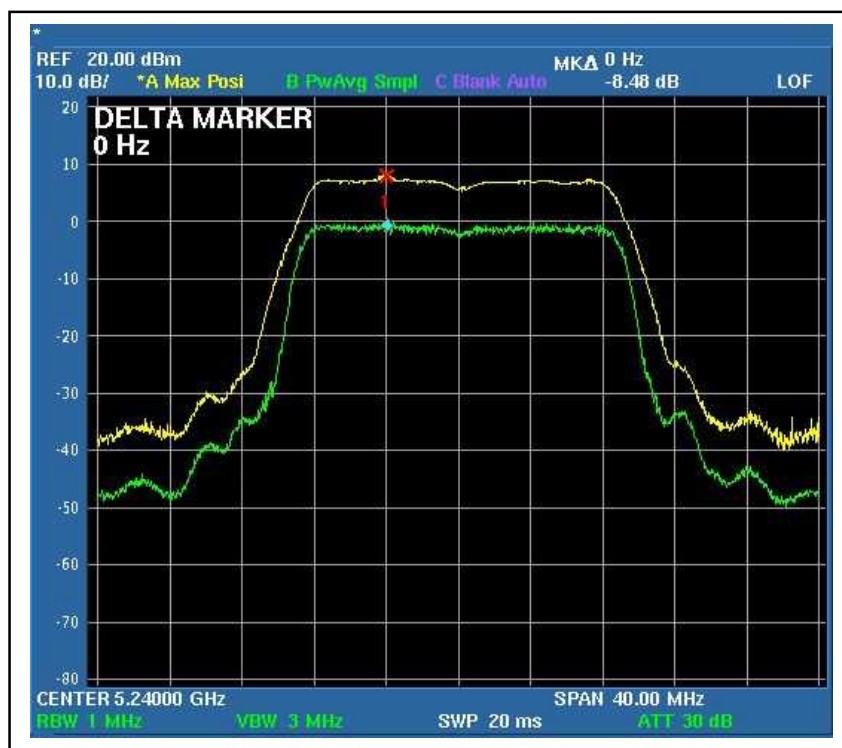
For Chain (0) : CH1



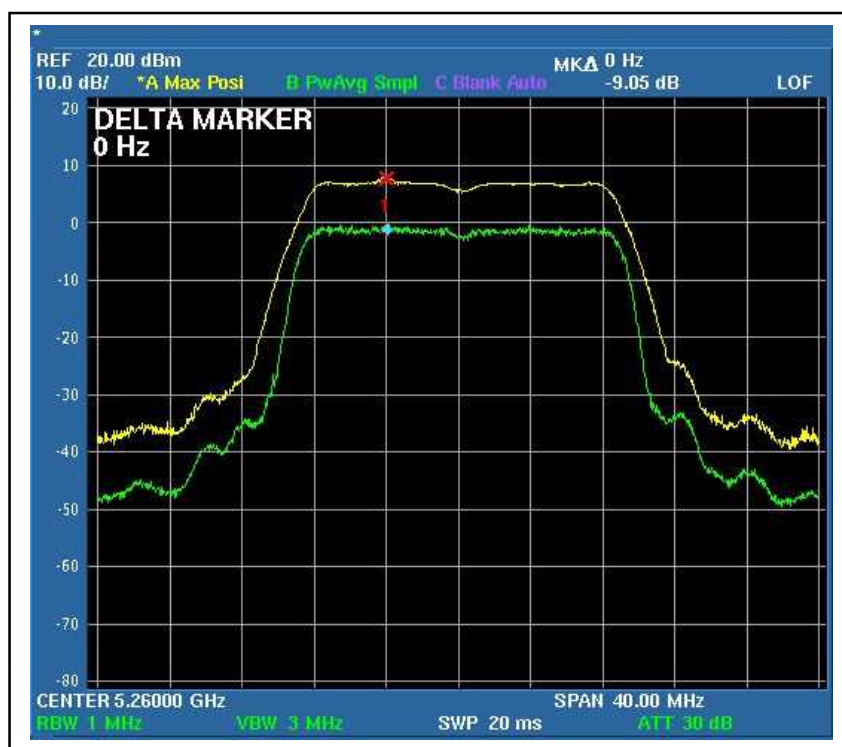
CH2



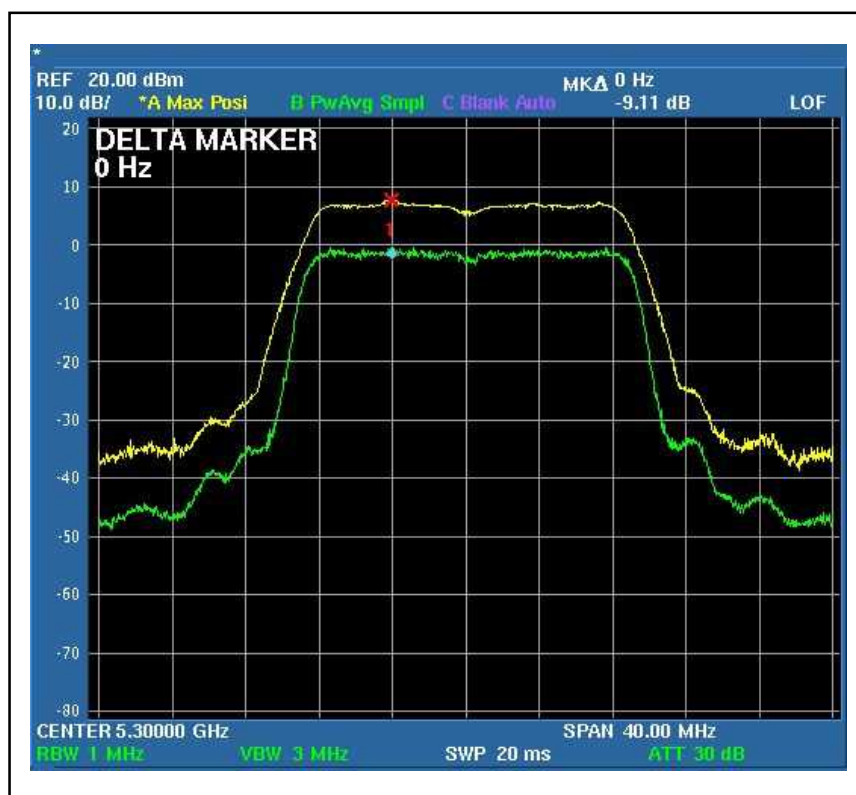
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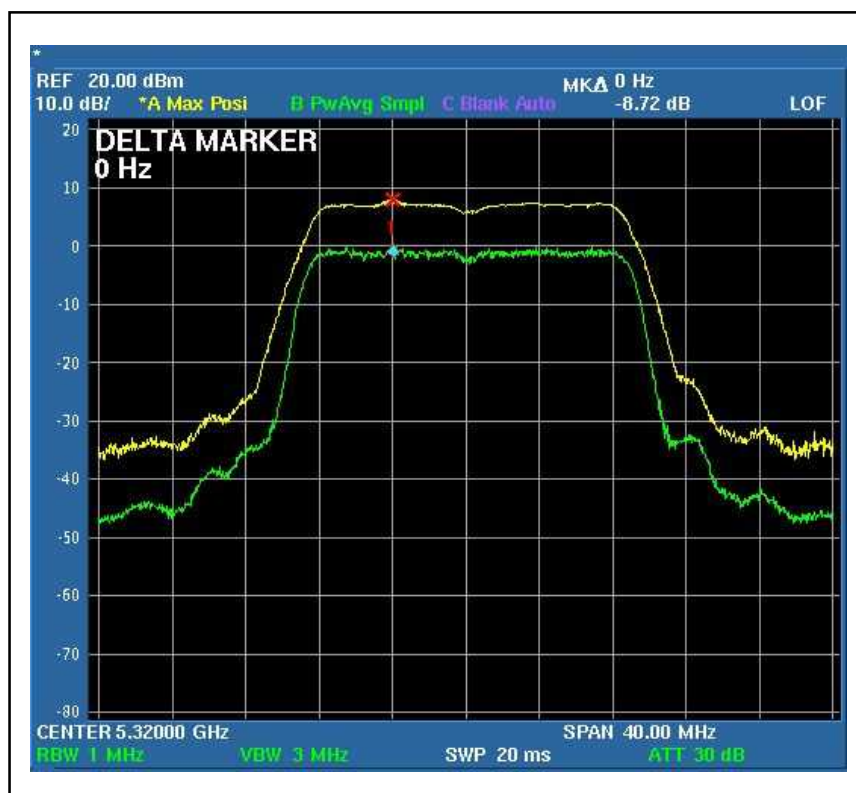
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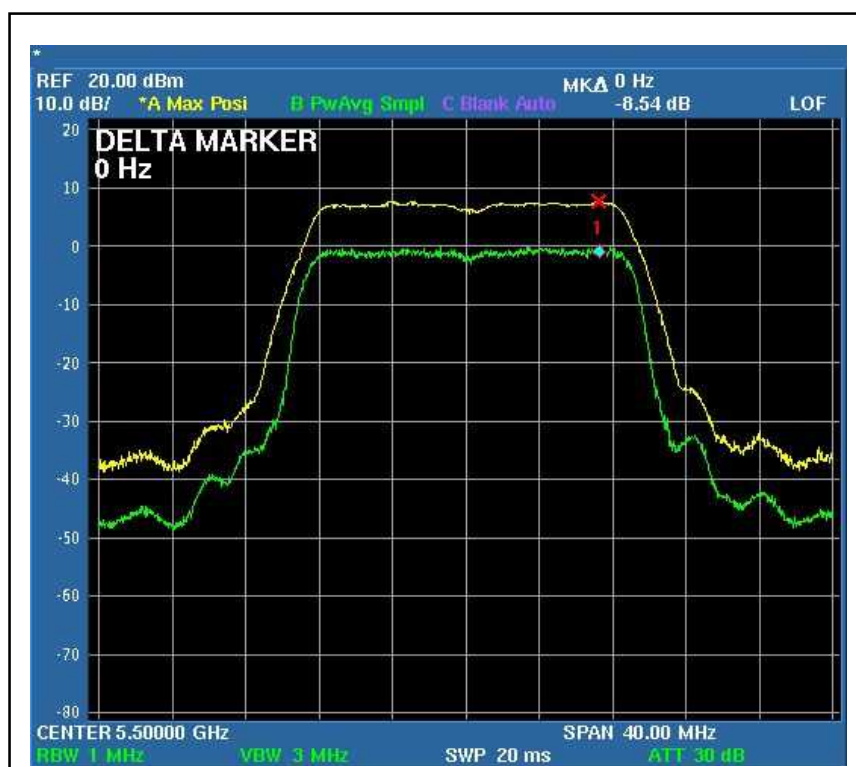
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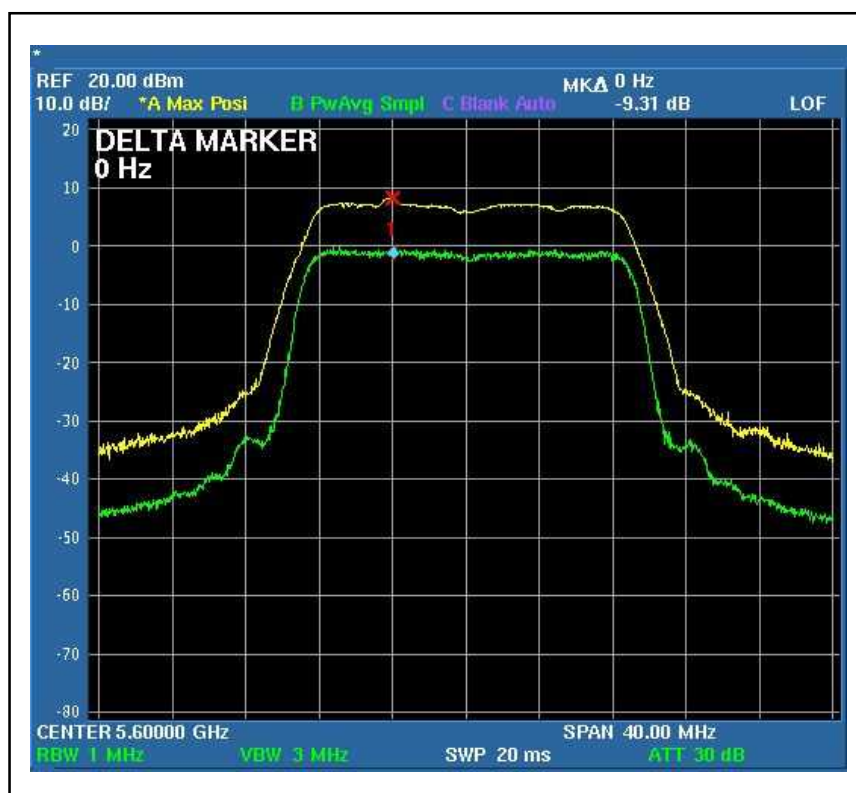
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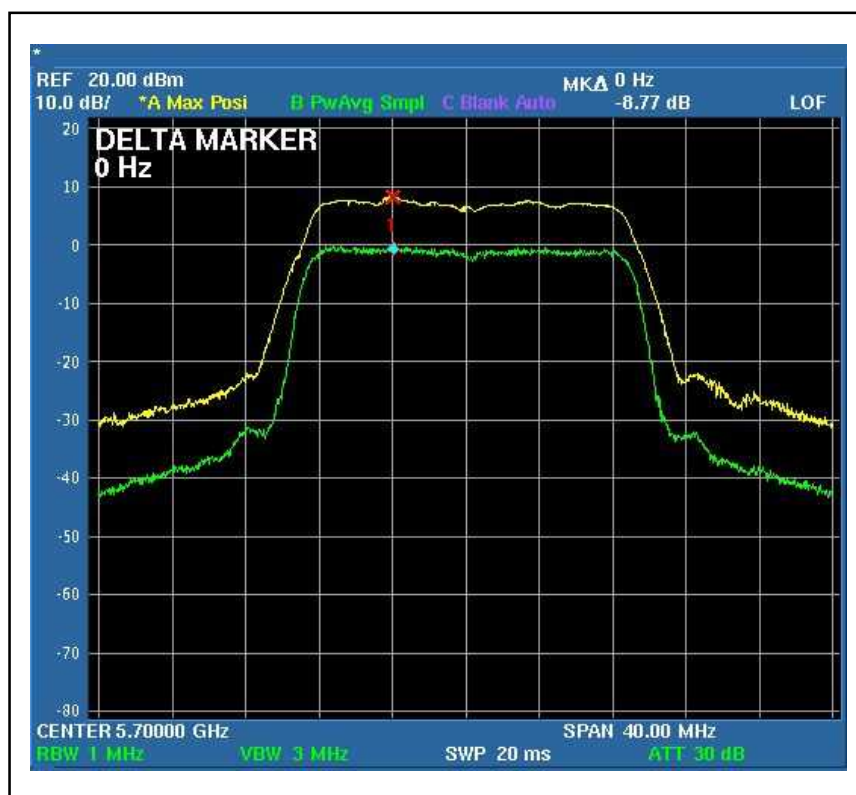
CH9



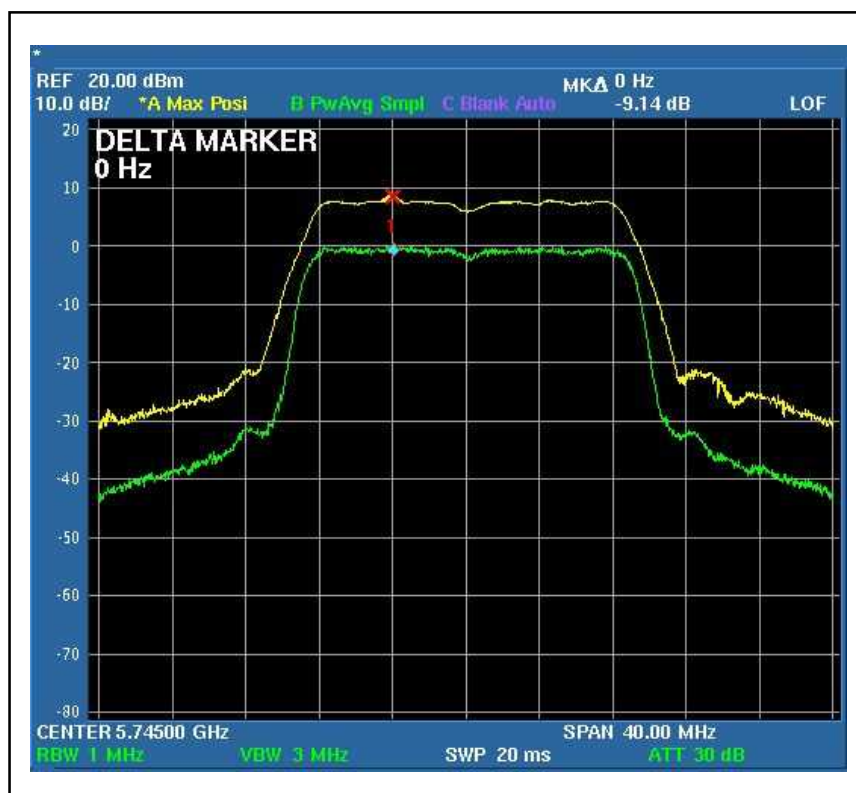
CH14



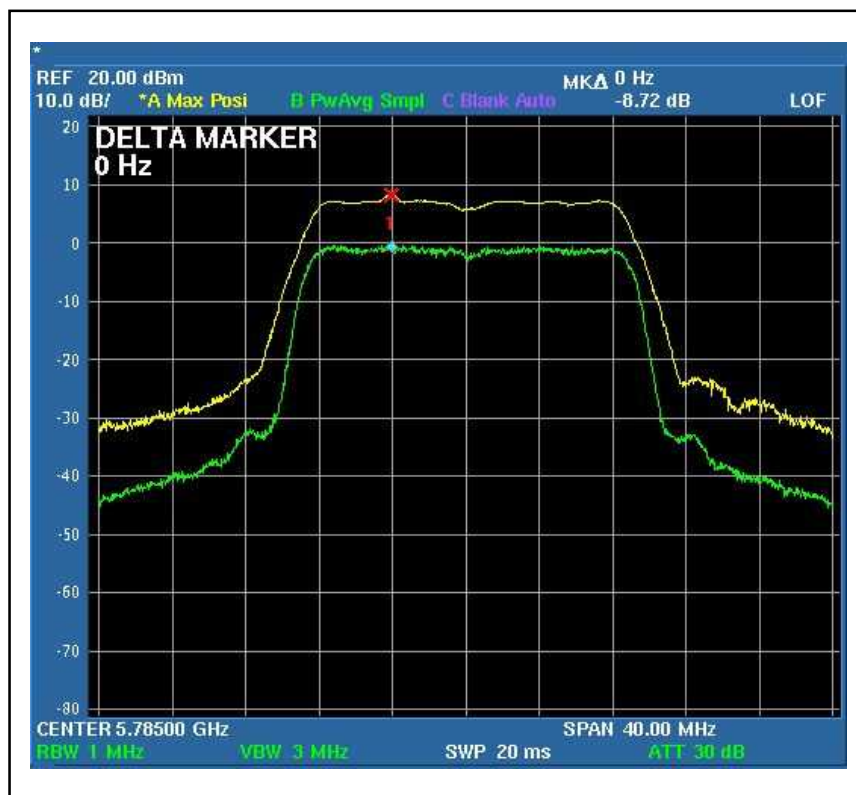
CH19



CH20



CH22



CH23

