

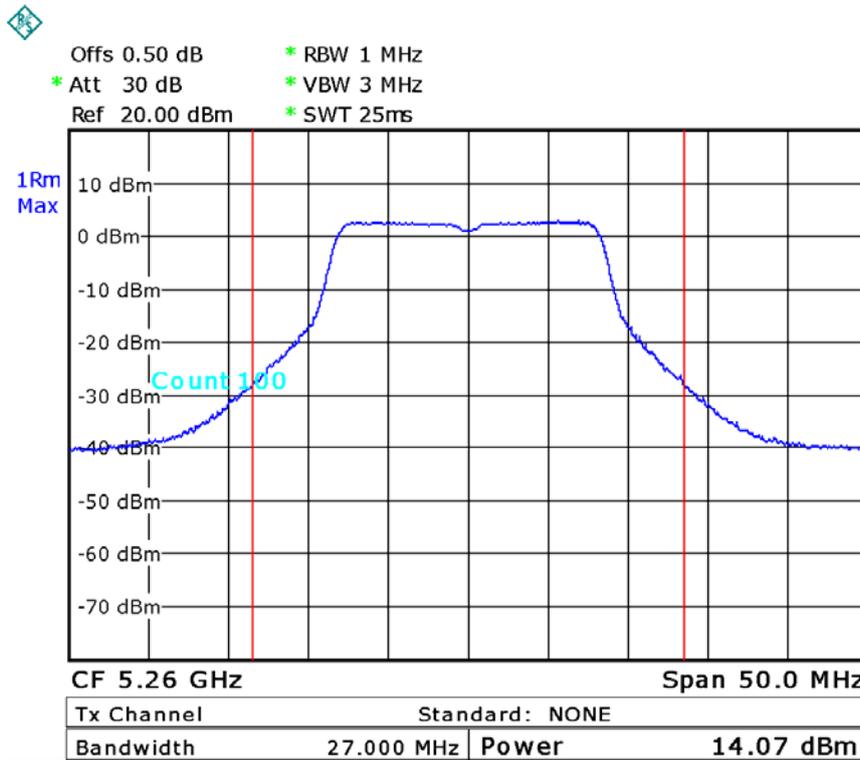


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64 - For 1TX		

Peak Output Power

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	14.07	24	0.251
CH56	5280	14.25	24	0.251
CH64	5320	14.78	24	0.251

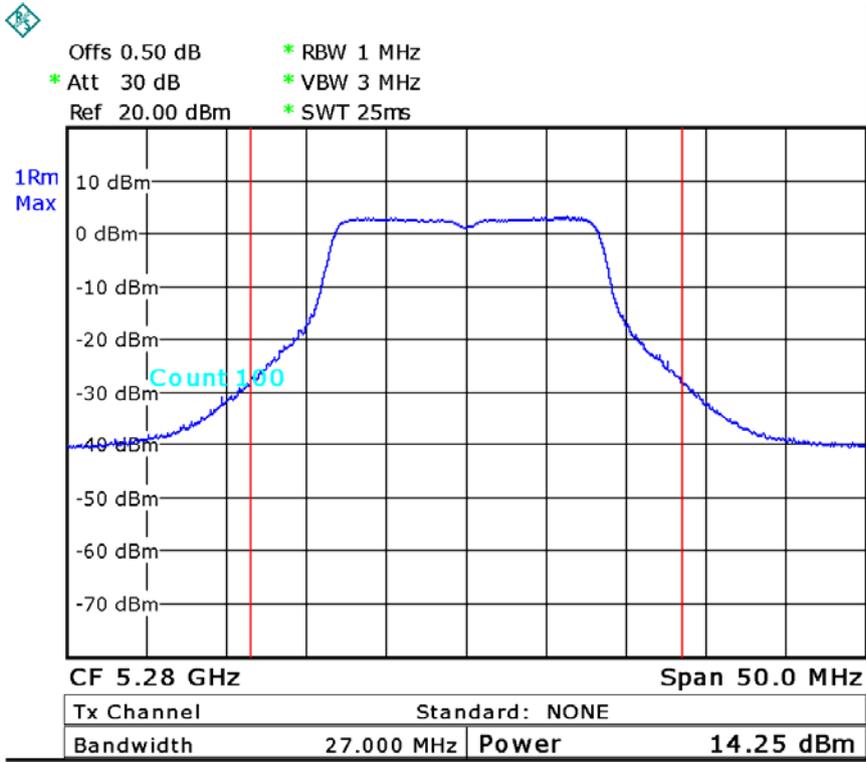
CH52-ANT 2



Date: 9.OCT.2012 13:28:25

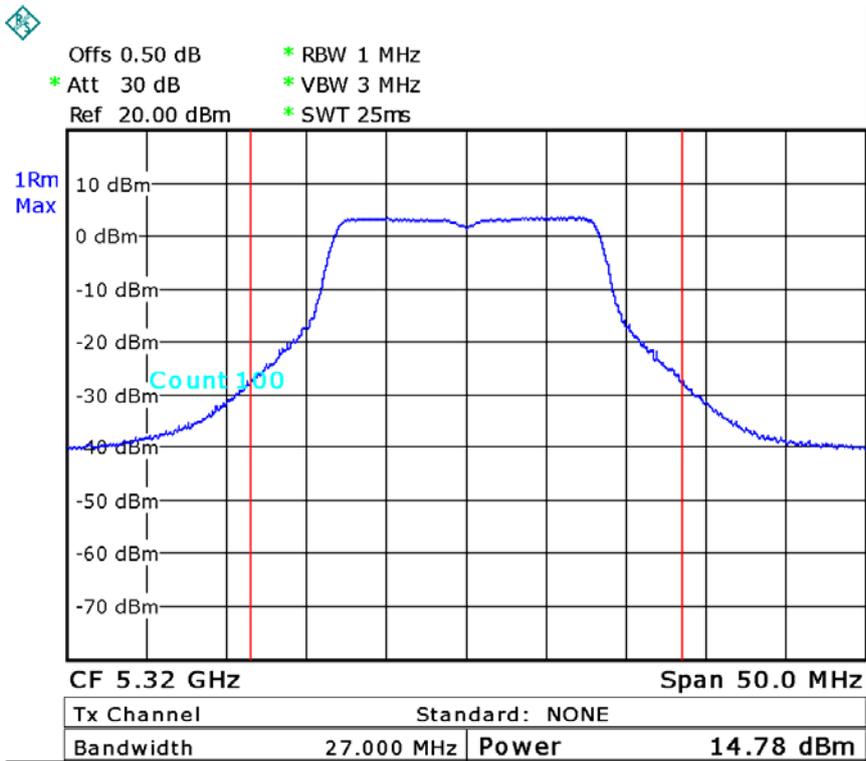


CH56-ANT 2



Date: 9.OCT.2012 13:29:40

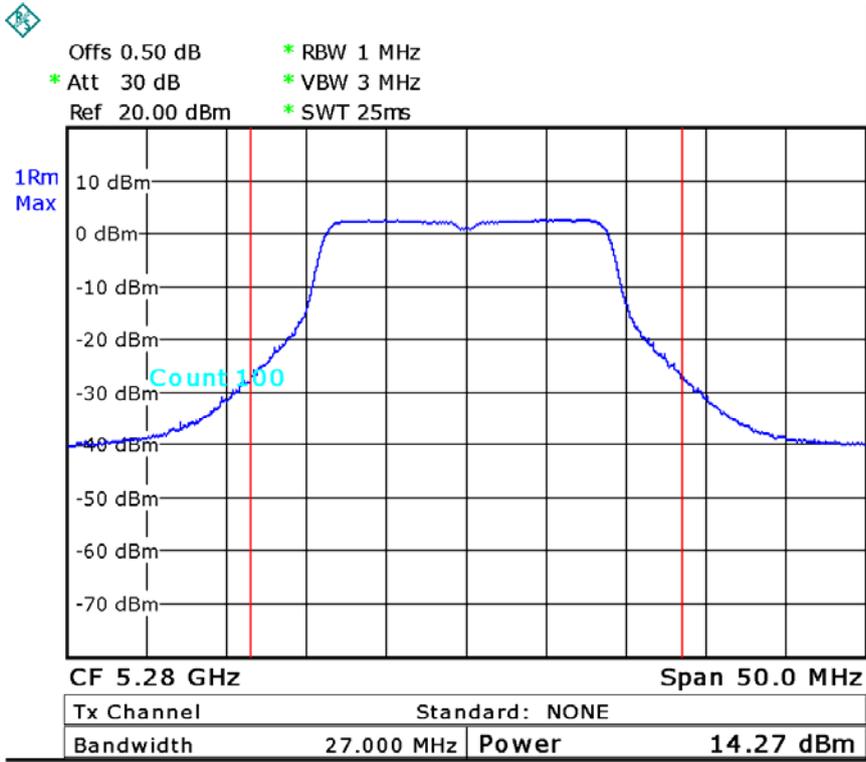
CH64-ANT 2



Date: 9.OCT.2012 13:32:41

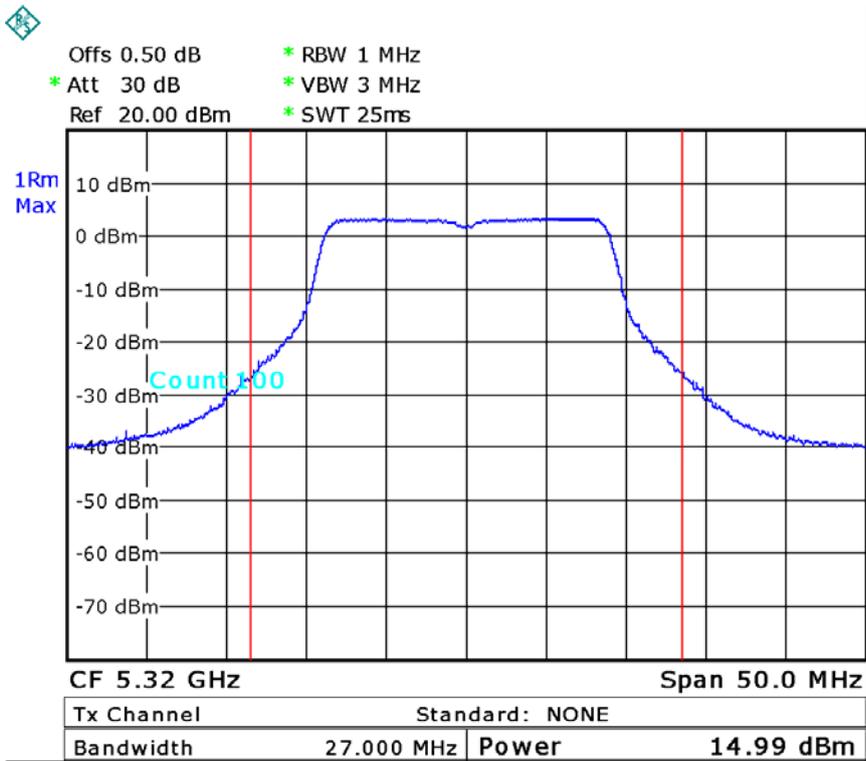


CH56-ANT 2



Date: 9.OCT.2012 13:56:16

CH64-ANT 2



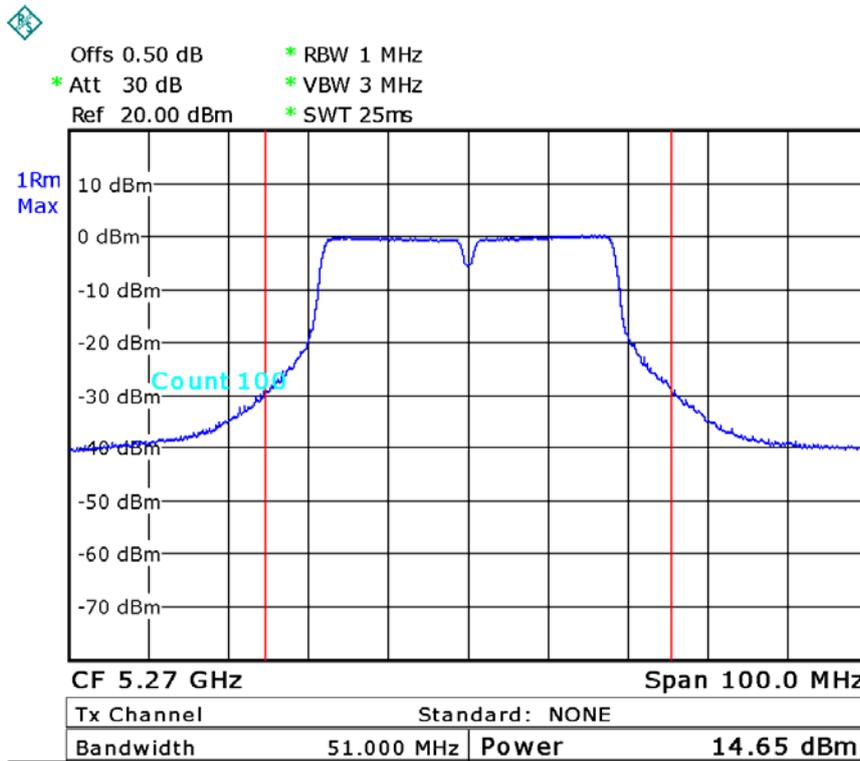
Date: 9.OCT.2012 13:52:43



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62 - For 1TX		

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	14.65	24	0.251
CH62	5310	15.28	24	0.251

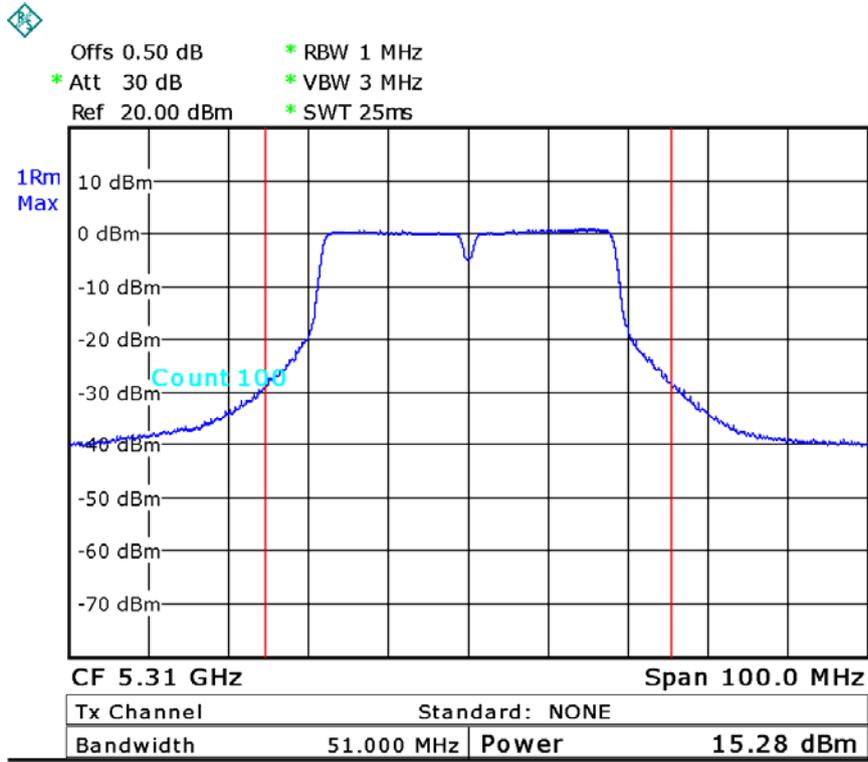
CH54-ANT 2



Date: 9.OCT.2012 14:25:01



CH62-ANT 2



Date: 9.OCT.2012 14:28:29

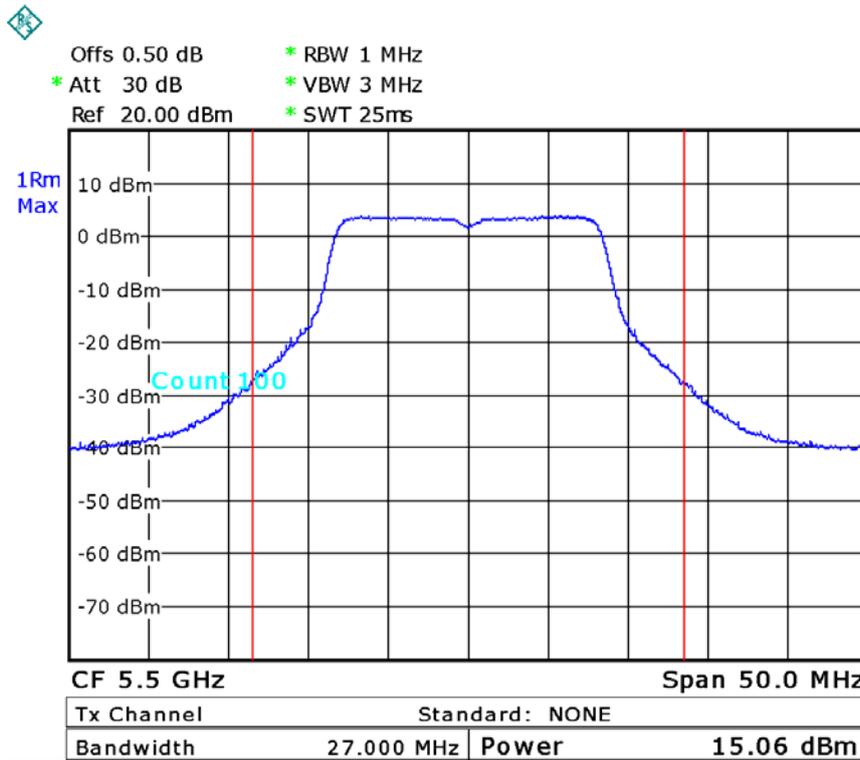


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140 - For 1TX		

Peak Output Power

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	15.06	24	0.251
CH116	5580	15.41	24	0.251
CH140	5700	14.75	24	0.251

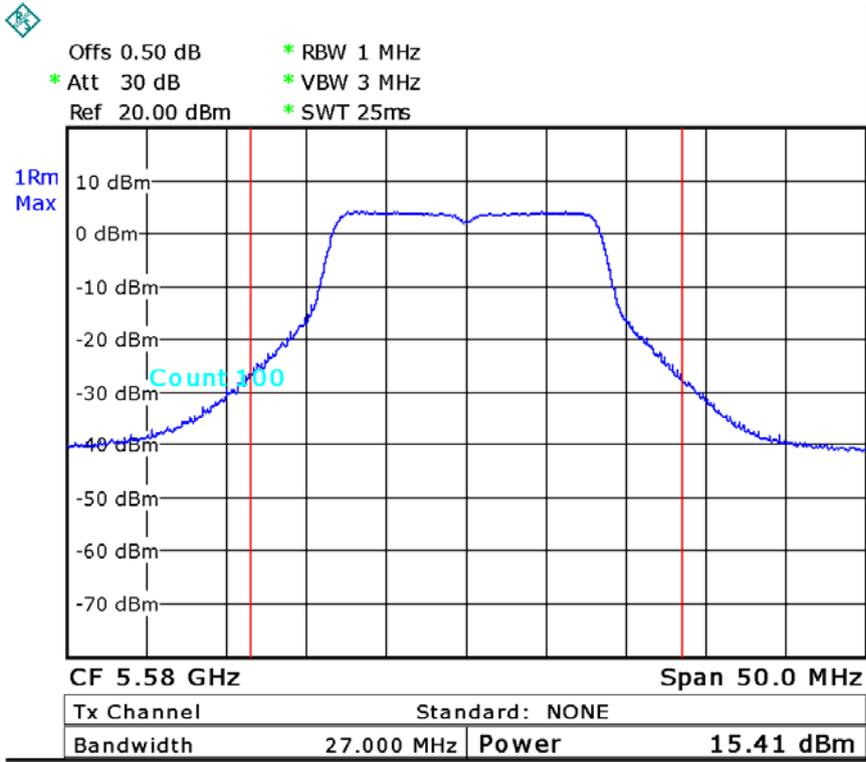
CH100-ANT 2



Date: 9.OCT.2012 13:34:01

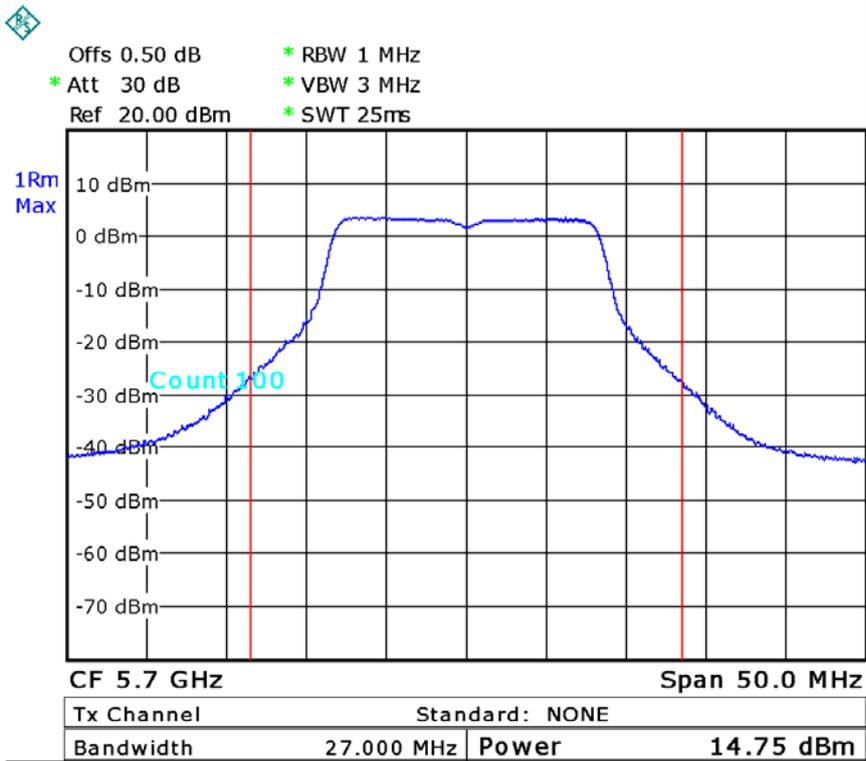


CH116-ANT 2



Date: 9.OCT.2012 13:36:45

CH140-ANT 2



Date: 9.OCT.2012 13:39:20

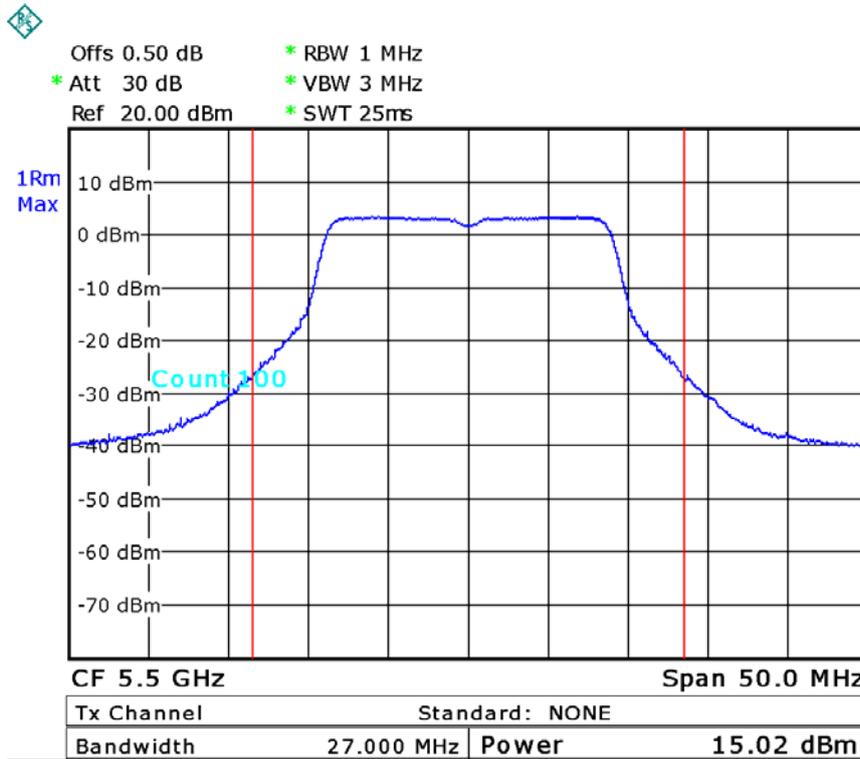


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140 - For 1TX		

Peak Output Power

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	15.02	24	0.251
CH116	5580	15.39	24	0.251
CH140	5700	14.70	24	0.251

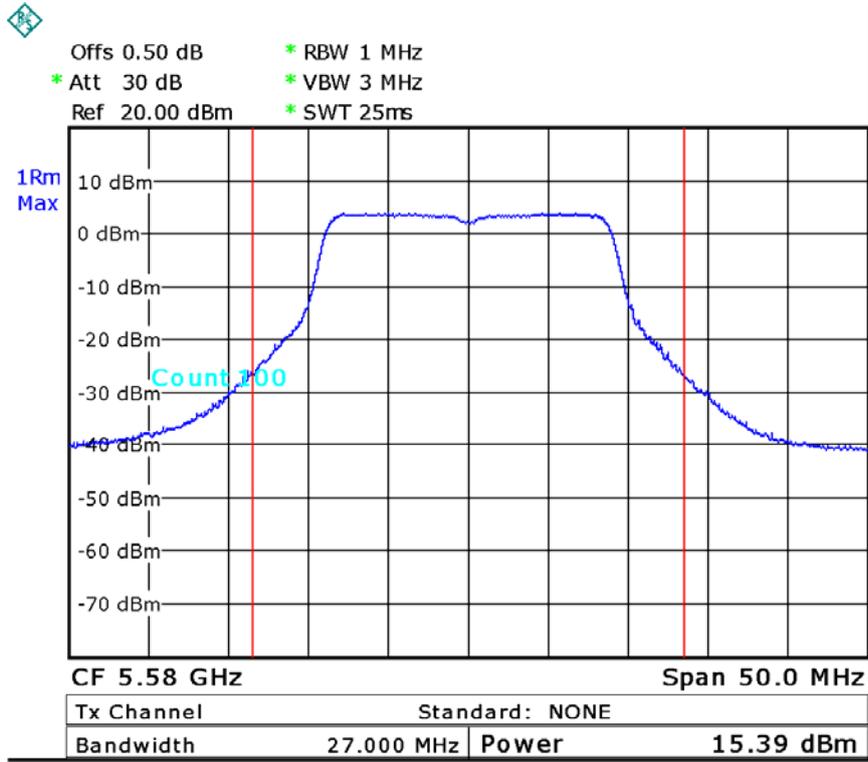
CH100-ANT 2



Date: 9.OCT.2012 13:50:29

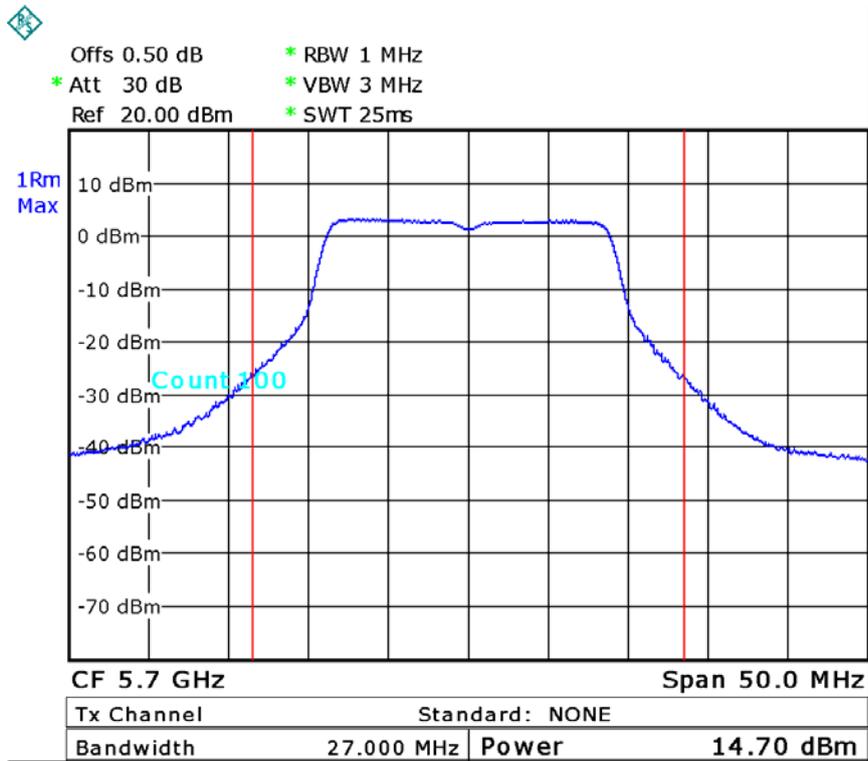


CH116-ANT 2



Date: 9.OCT.2012 13:44:55

CH140-ANT 2



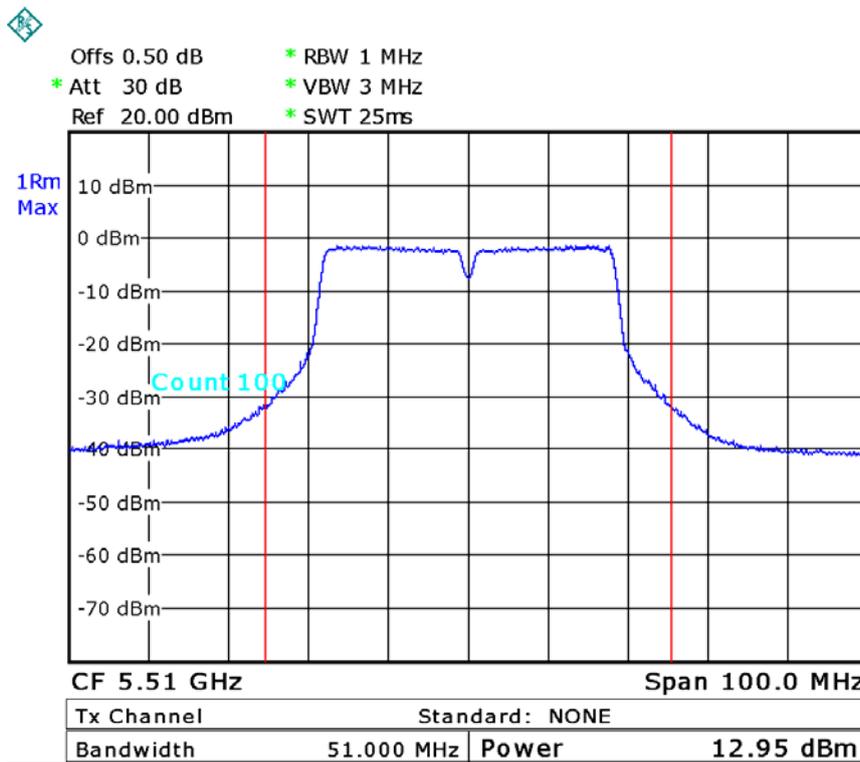
Date: 9.OCT.2012 13:43:52



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110,CH134 - For 1TX		

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	12.95	24	0.251
CH110	5550	15.57	24	0.251
CH134	5670	15.27	24	0.251

CH102-ANT 2



Date: 13.OCT.2012 13:28:52



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48 - For 2TX		

Peak Output Power

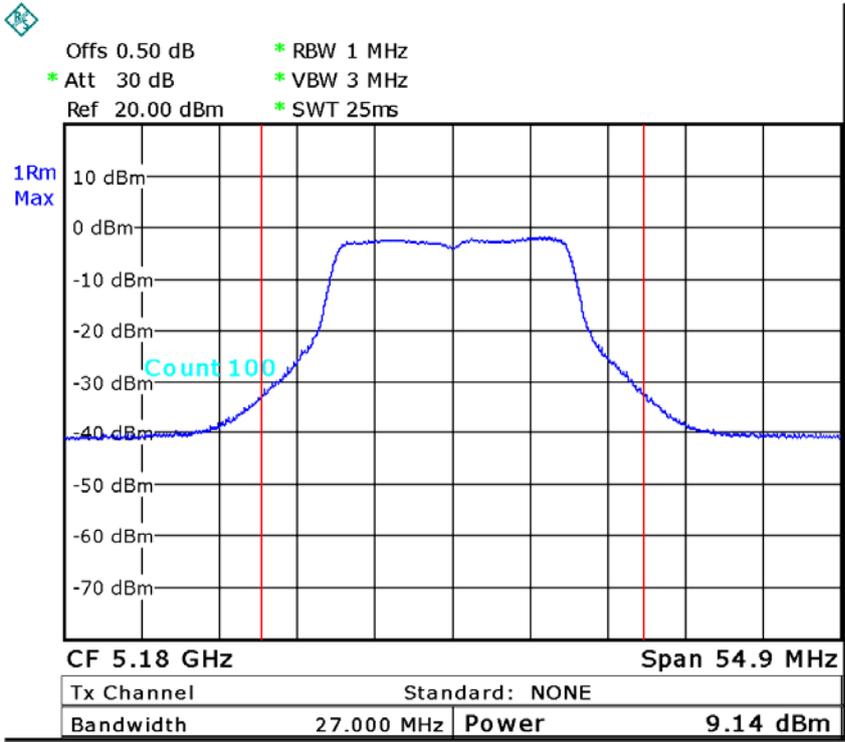
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	9.14	17.00	0.0501
CH40	5200	9.44	17.00	0.0501
CH48	5240	9.38	17.00	0.0501

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	9.19	17.00	0.0501
CH40	5200	9.49	17.00	0.0501
CH48	5240	9.71	17.00	0.0501

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	12.18	17.00	0.0501
CH40	5200	12.48	17.00	0.0501
CH48	5240	12.56	17.00	0.0501

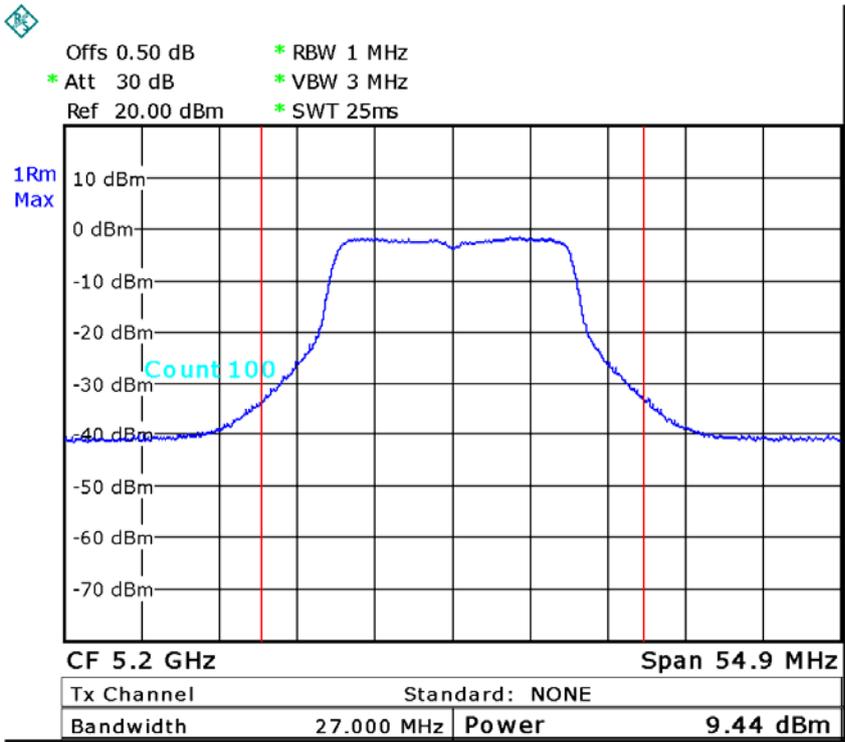


CH36-ANT 1



Date: 9.OCT.2012 15:26:54

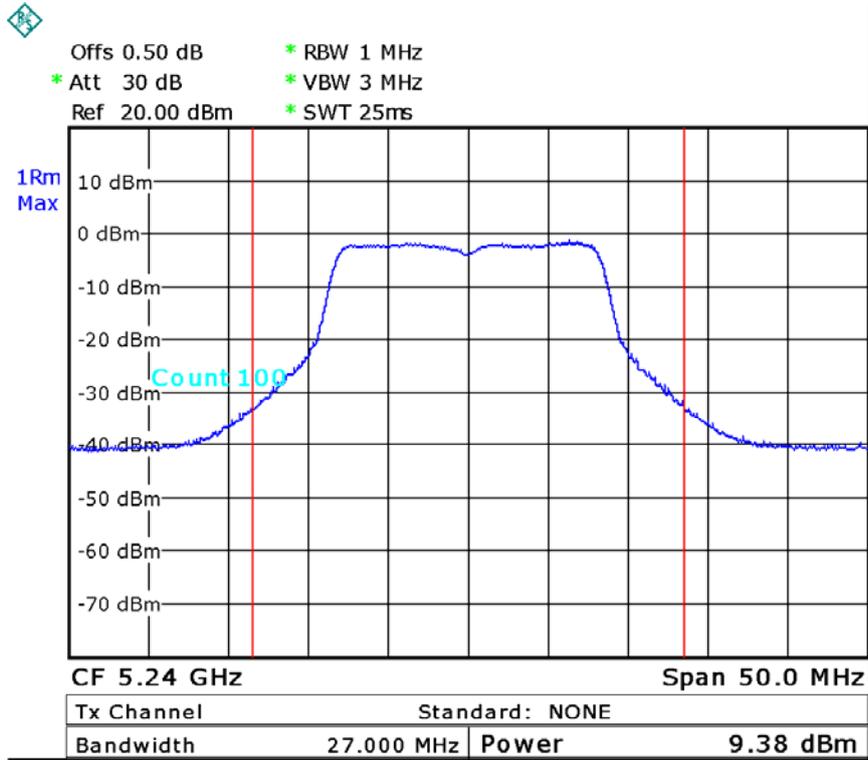
CH40-ANT 1



Date: 9.OCT.2012 15:31:57

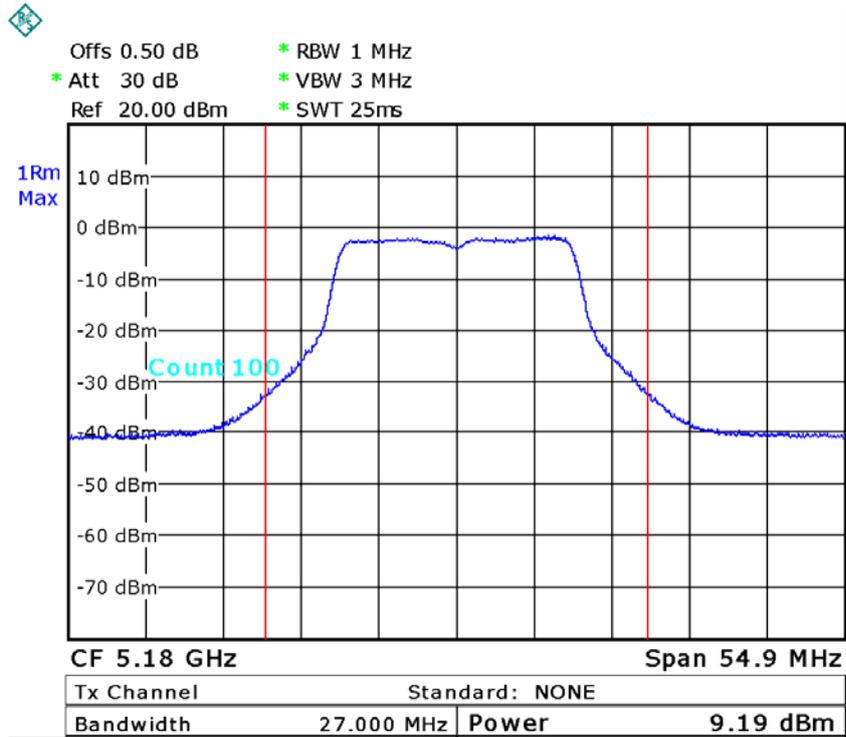


CH48-ANT 1



Date: 9.OCT.2012 15:38:35

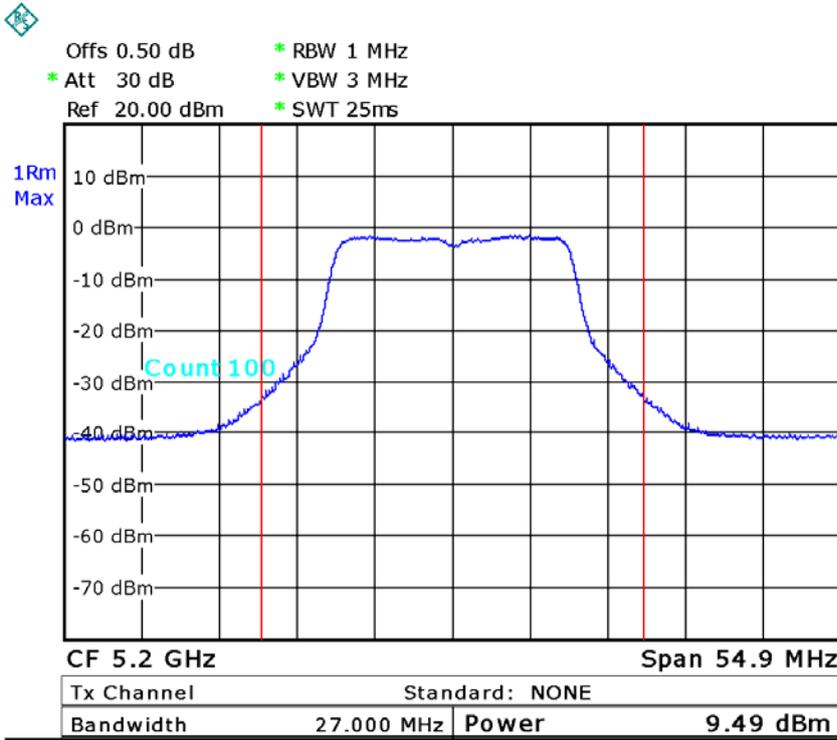
CH36-ANT 2



Date: 9.OCT.2012 15:27:08

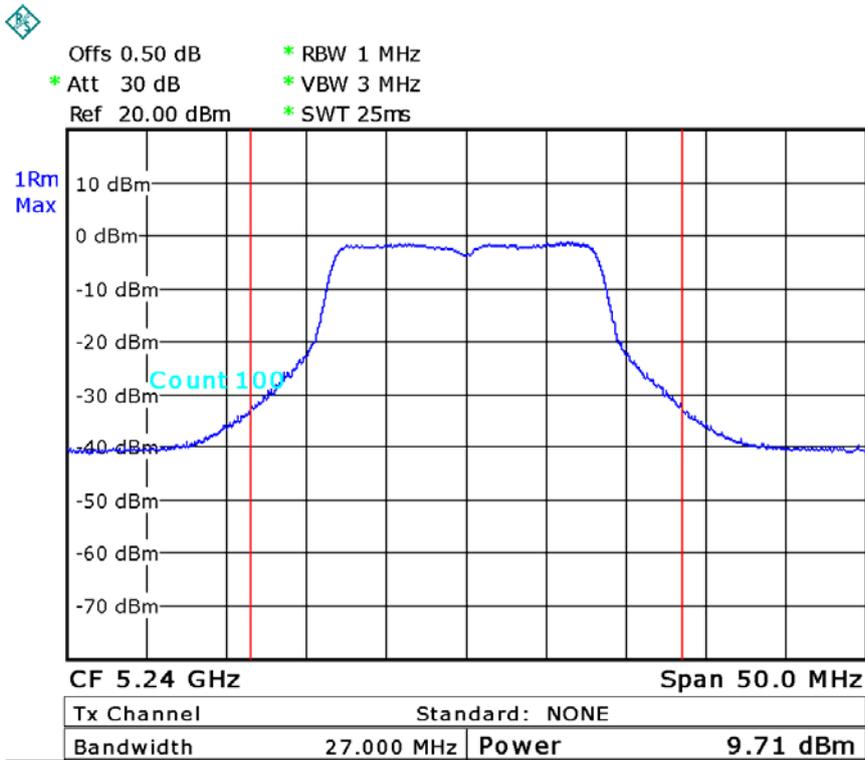


CH40-ANT 2



Date: 9.OCT.2012 15:31:49

CH48-ANT 2



Date: 9.OCT.2012 15:38:44



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48 - For 2TX		

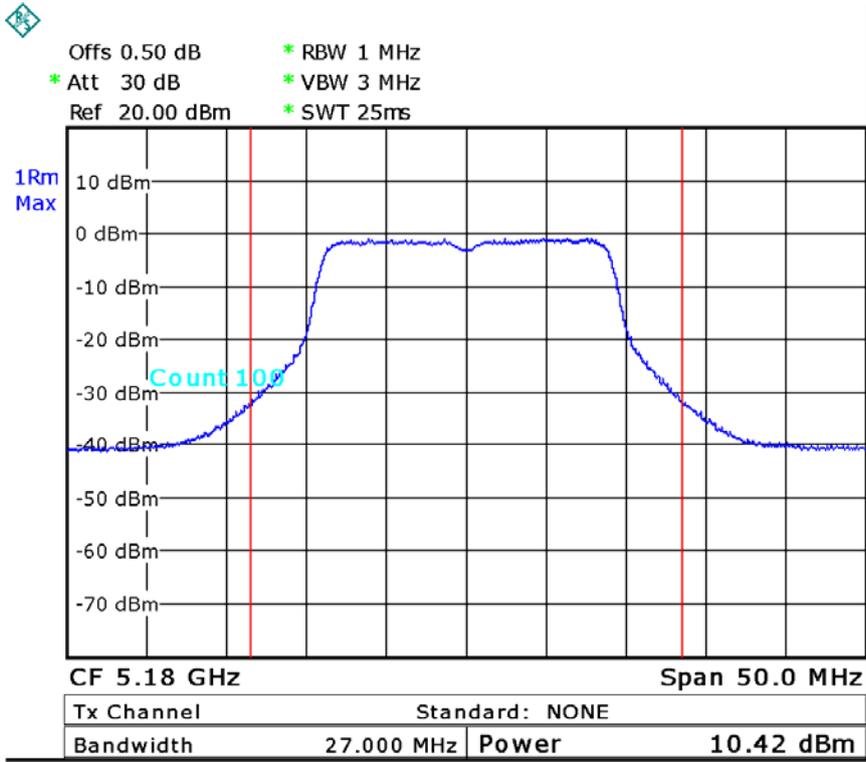
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	10.42	17.00	0.0501
CH40	5200	10.18	17.00	0.0501
CH48	5240	9.85	17.00	0.0501

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	10.17	17.00	0.0501
CH40	5200	10.01	17.00	0.0501
CH48	5240	9.59	17.00	0.0501

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	13.31	17.00	0.0501
CH40	5200	13.11	17.00	0.0501
CH48	5240	12.73	17.00	0.0501

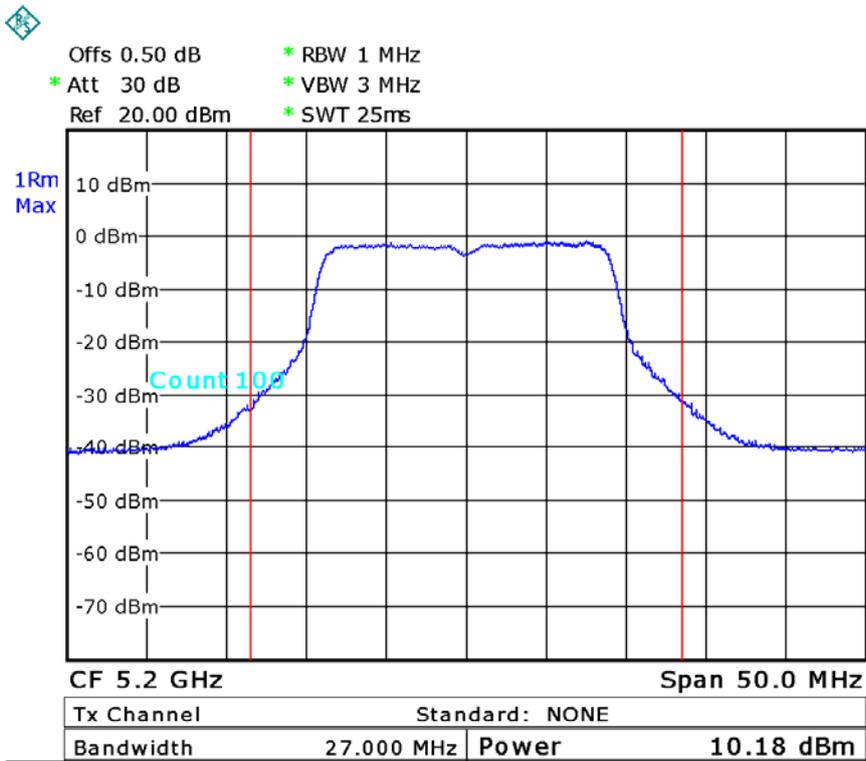


CH36-ANT 1



Date: 9.OCT.2012 17:04:46

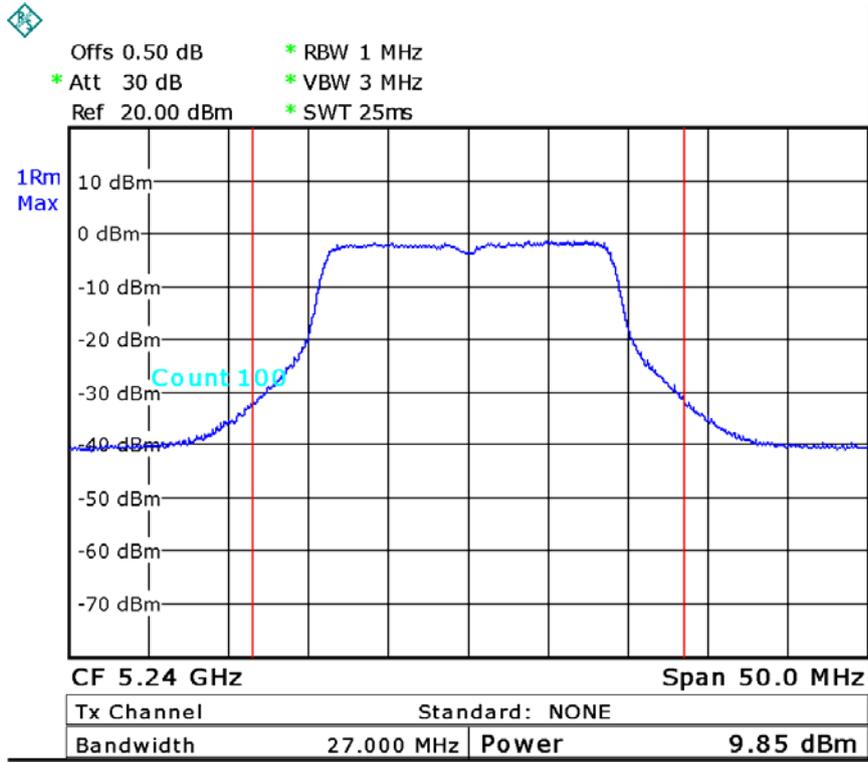
CH40-ANT 1



Date: 9.OCT.2012 17:01:26

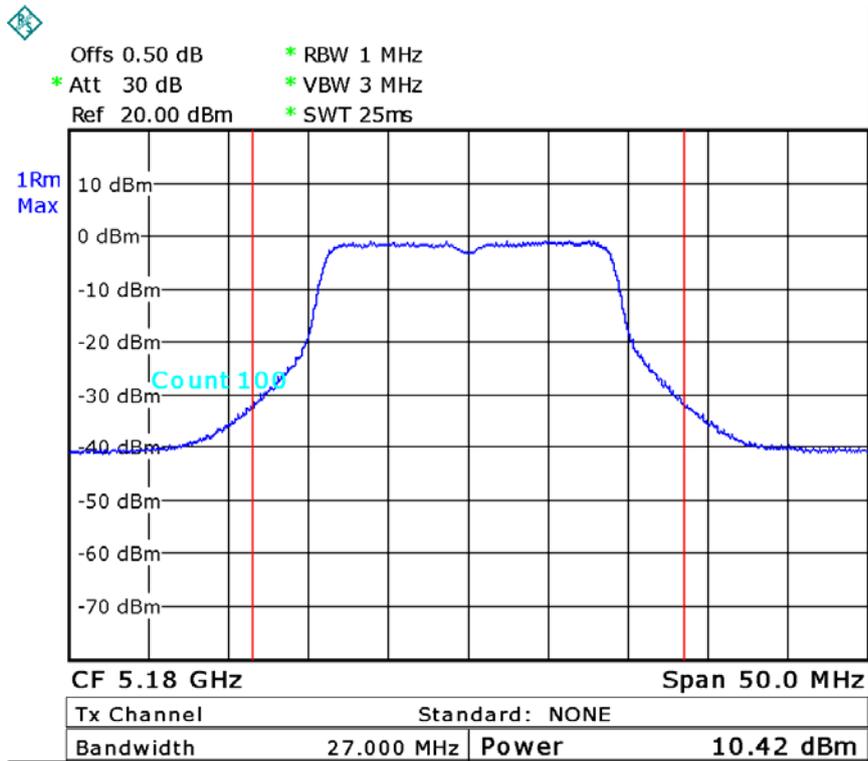


CH48-ANT 1



Date: 9.OCT.2012 16:54:39

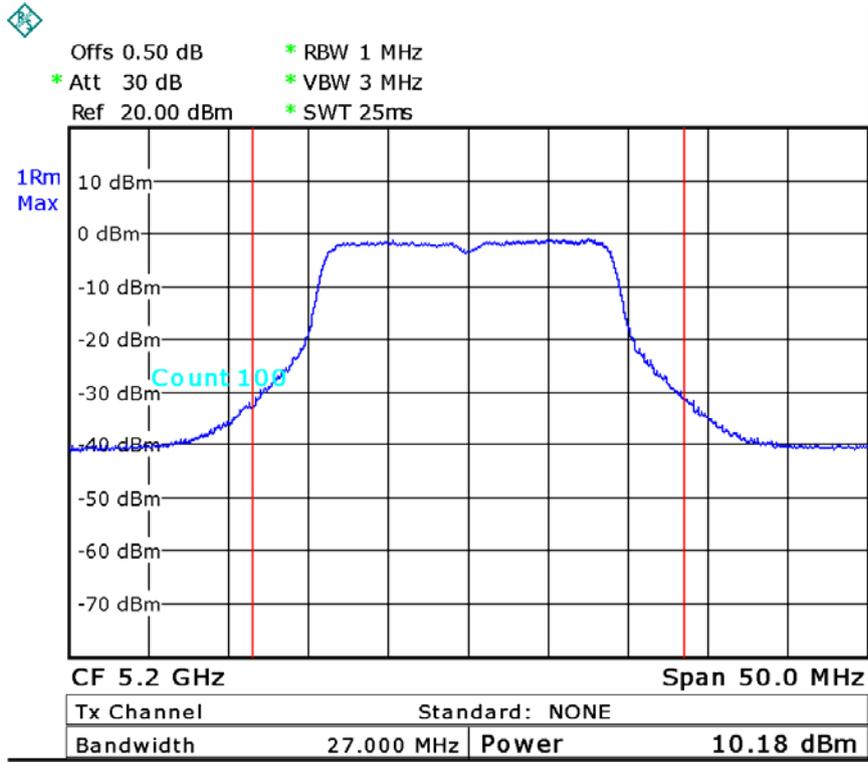
CH36-ANT 2



Date: 9.OCT.2012 17:04:46

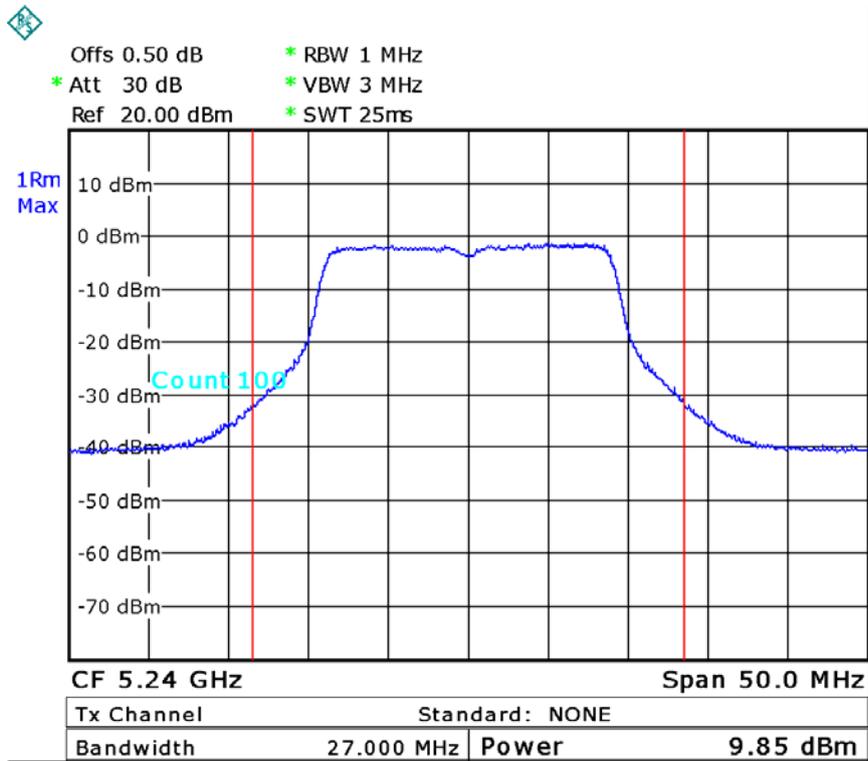


CH40-ANT 2



Date: 9.OCT.2012 17:01:26

CH48-ANT 2



Date: 9.OCT.2012 16:54:39



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH36, CH40, CH48 - For 2TX		

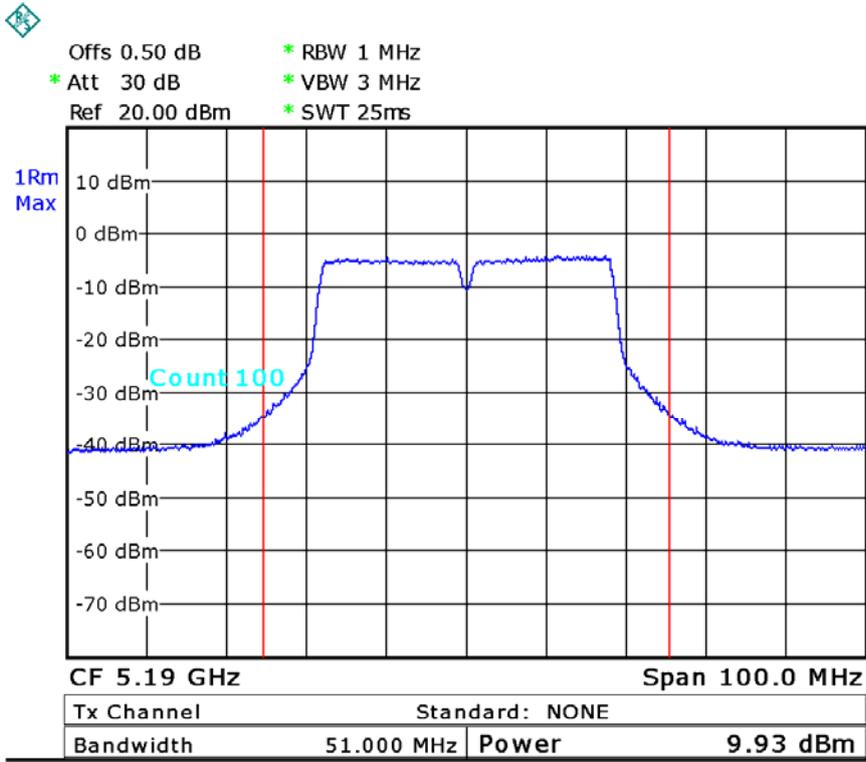
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	9.93	17.00	0.0501
CH46	5230	10.26	17.00	0.0501

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	10.21	17.00	0.0501
CH46	5230	10.40	17.00	0.0501

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	13.08	17.00	0.0501
CH46	5230	13.34	17.00	0.0501

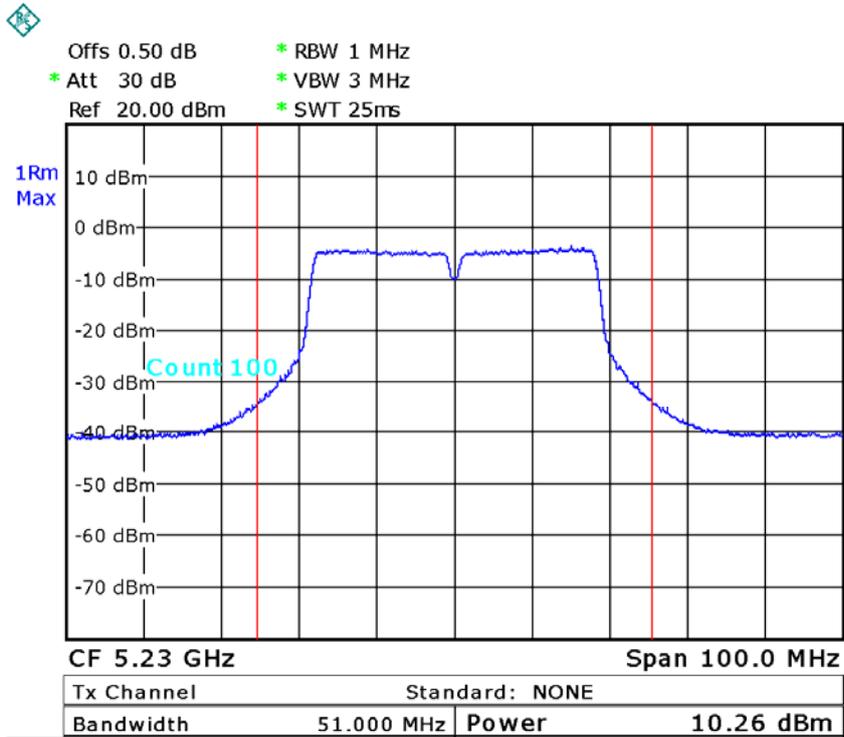


CH38-ANT 1



Date: 9.OCT.2012 14:49:47

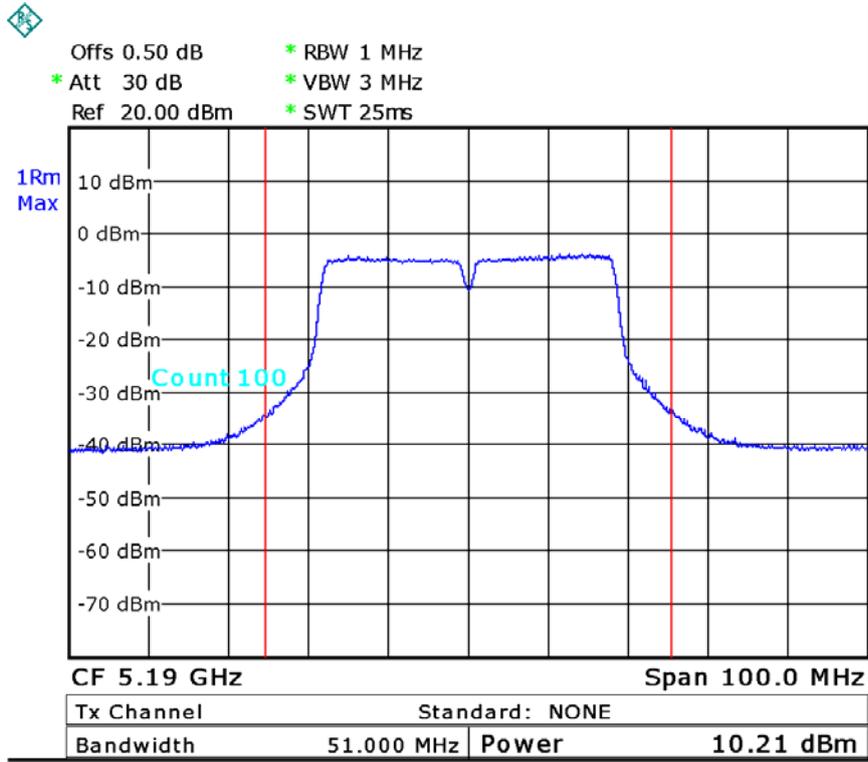
CH46-ANT 1



Date: 9.OCT.2012 14:53:21

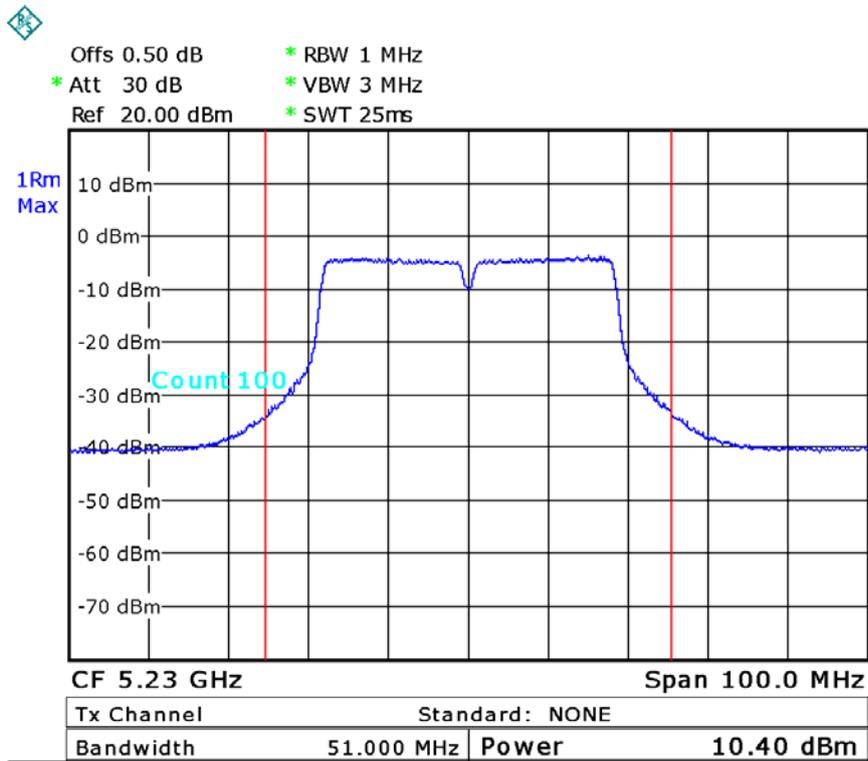


CH38-ANT 2



Date: 9.OCT.2012 14:49:03

CH46-ANT 2



Date: 9.OCT.2012 14:53:37



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64 - For 2TX		

Peak Output Power

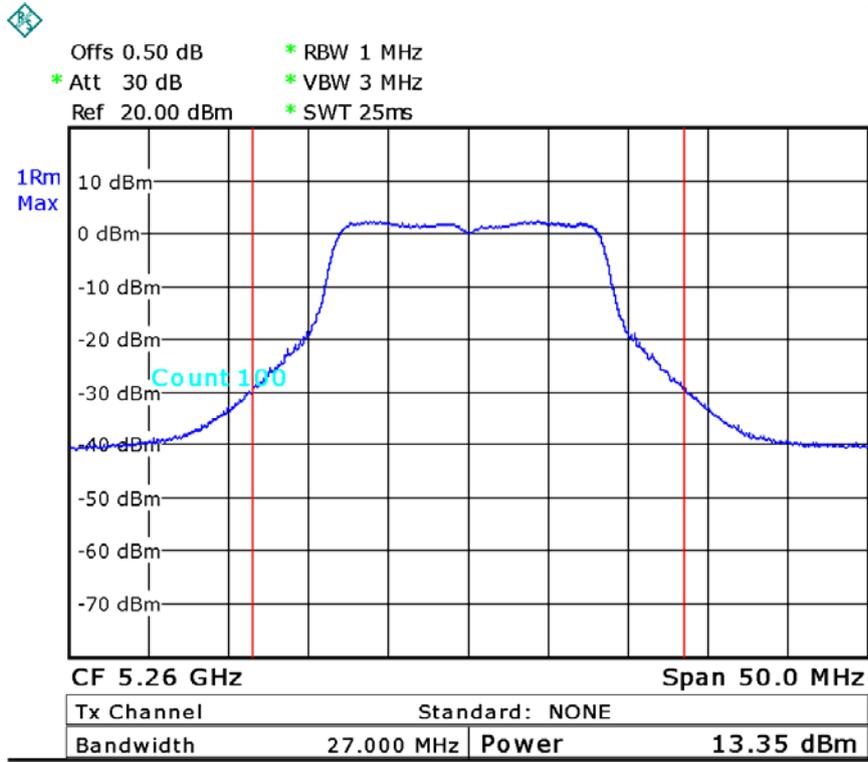
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	13.35	24	0.251
CH56	5280	13.41	24	0.251
CH64	5320	13.96	24	0.251

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	13.52	24	0.251
CH56	5280	13.61	24	0.251
CH64	5320	14.04	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	16.45	24	0.251
CH56	5280	16.52	24	0.251
CH64	5320	17.01	24	0.251

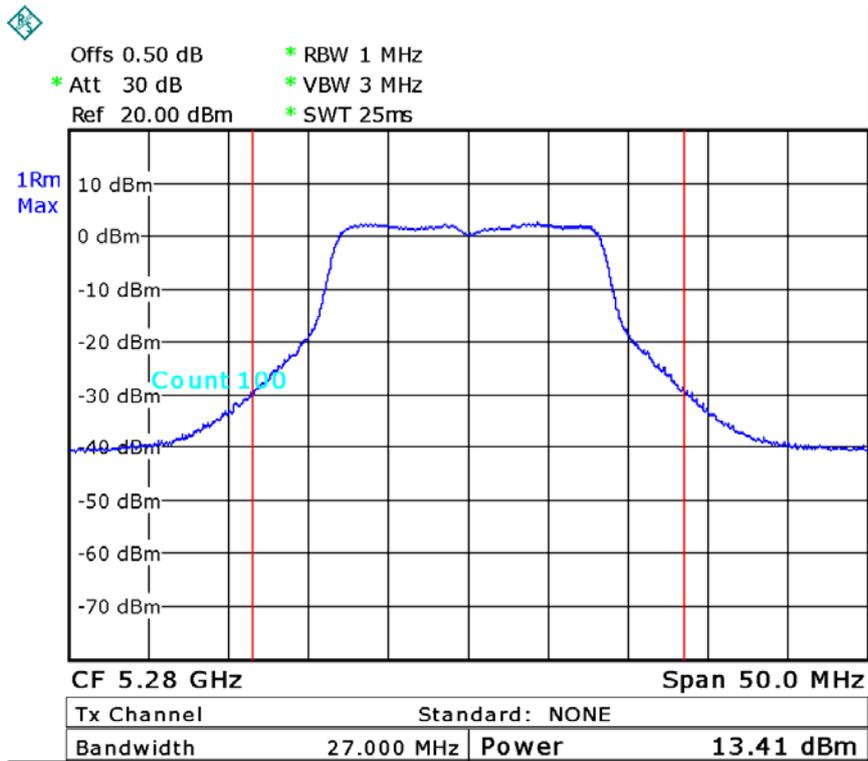


CH52-ANT 1



Date: 9.OCT.2012 15:41:05

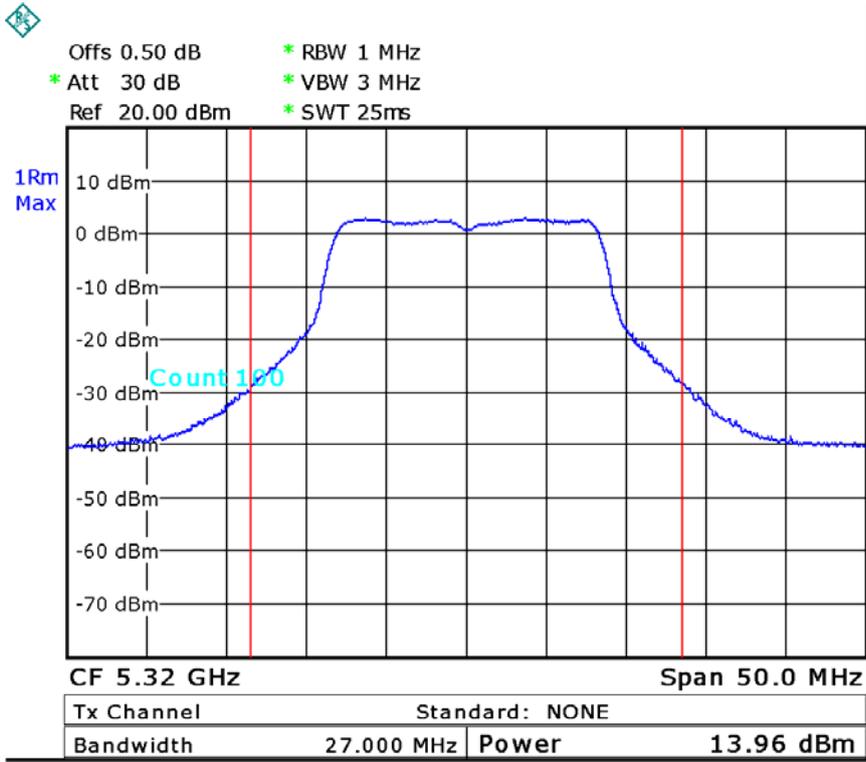
CH56-ANT 1



Date: 9.OCT.2012 15:44:39

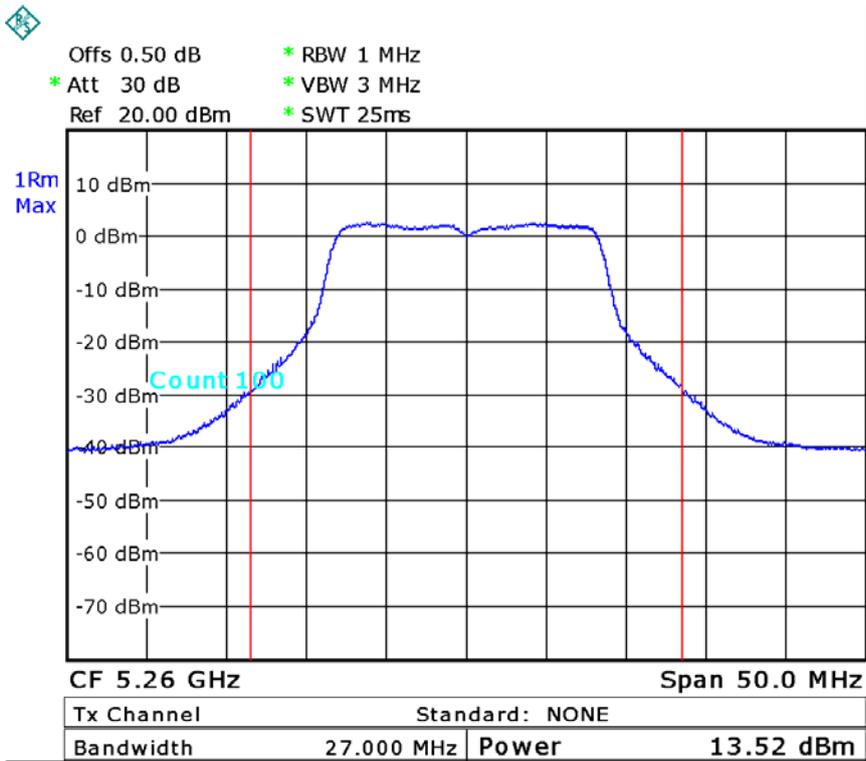


CH64-ANT 1



Date: 9.OCT.2012 15:47:12

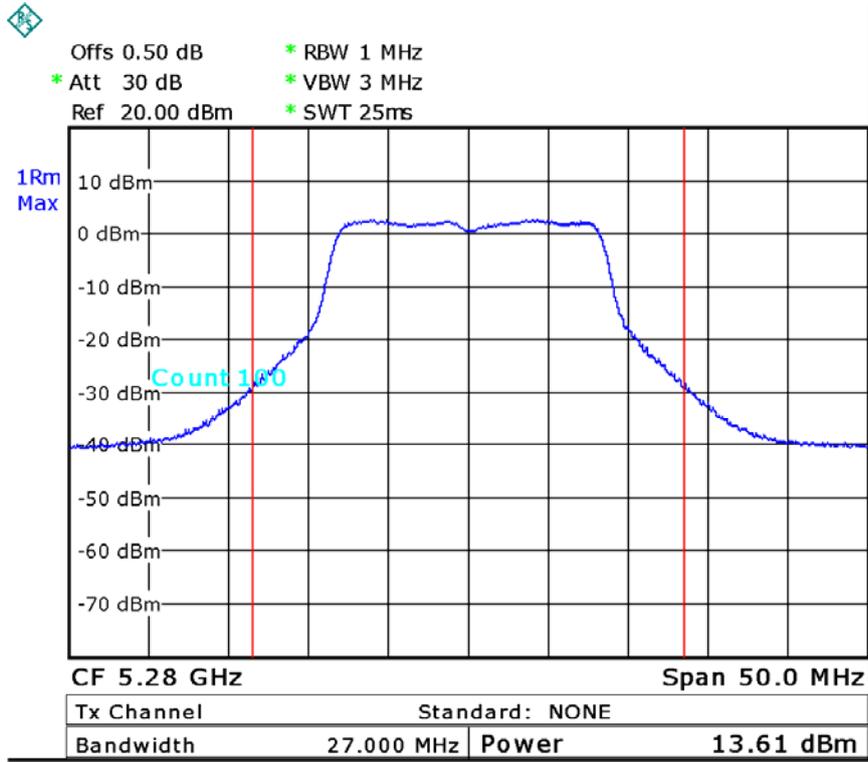
CH52-ANT 2



Date: 9.OCT.2012 15:40:37

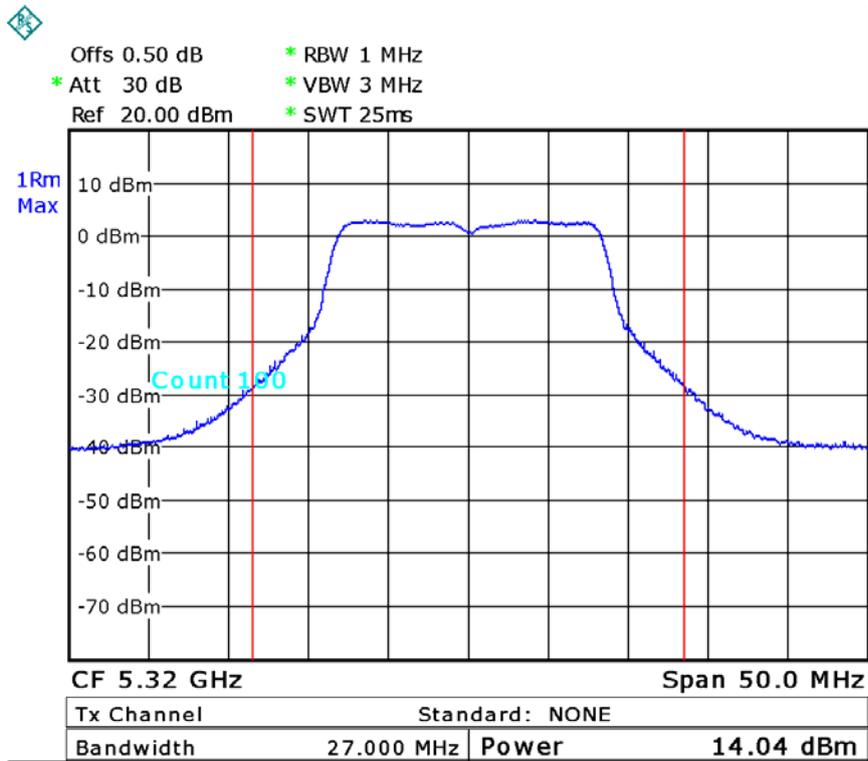


CH56-ANT 2



Date: 9.OCT.2012 15:44:28

CH64-ANT 2



Date: 9.OCT.2012 15:47:29



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64 - For 2TX		

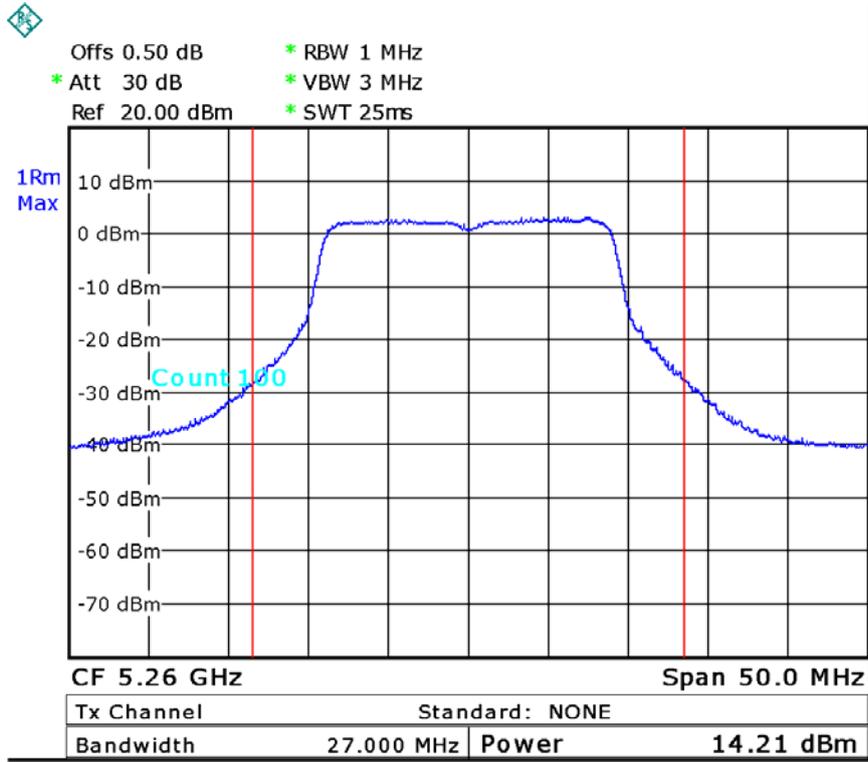
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	14.21	24	0.251
CH56	5280	13.34	24	0.251
CH64	5320	14.08	24	0.251

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	13.96	24	0.251
CH56	5280	13.64	24	0.251
CH64	5320	14.48	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	17.10	24	0.251
CH56	5280	16.50	24	0.251
CH64	5320	17.29	24	0.251

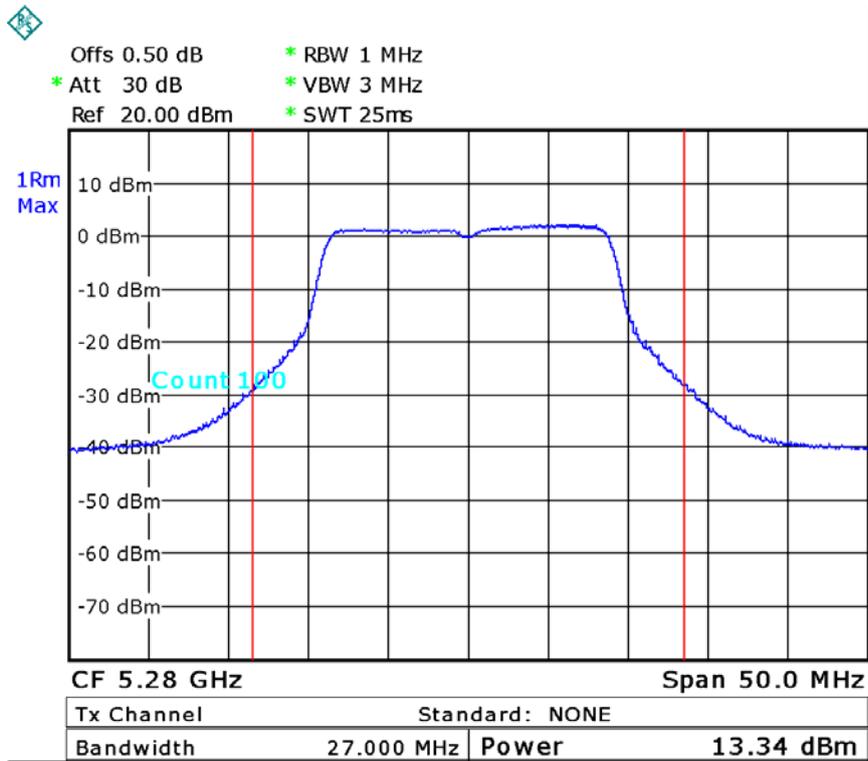


CH52-ANT 1



Date: 9.OCT.2012 16:21:33

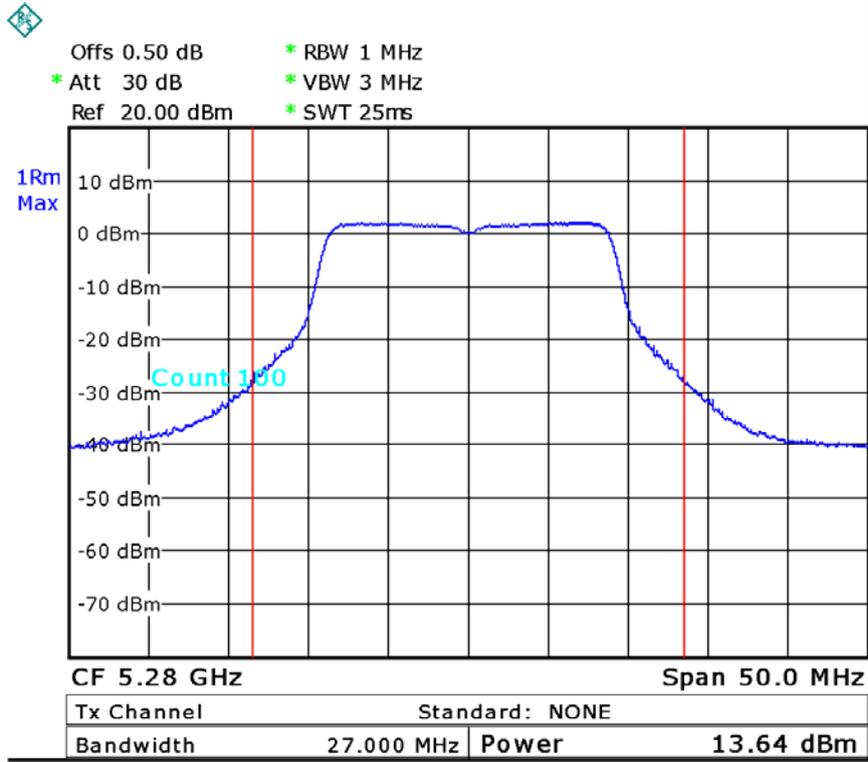
CH56-ANT 1



Date: 9.OCT.2012 16:19:11

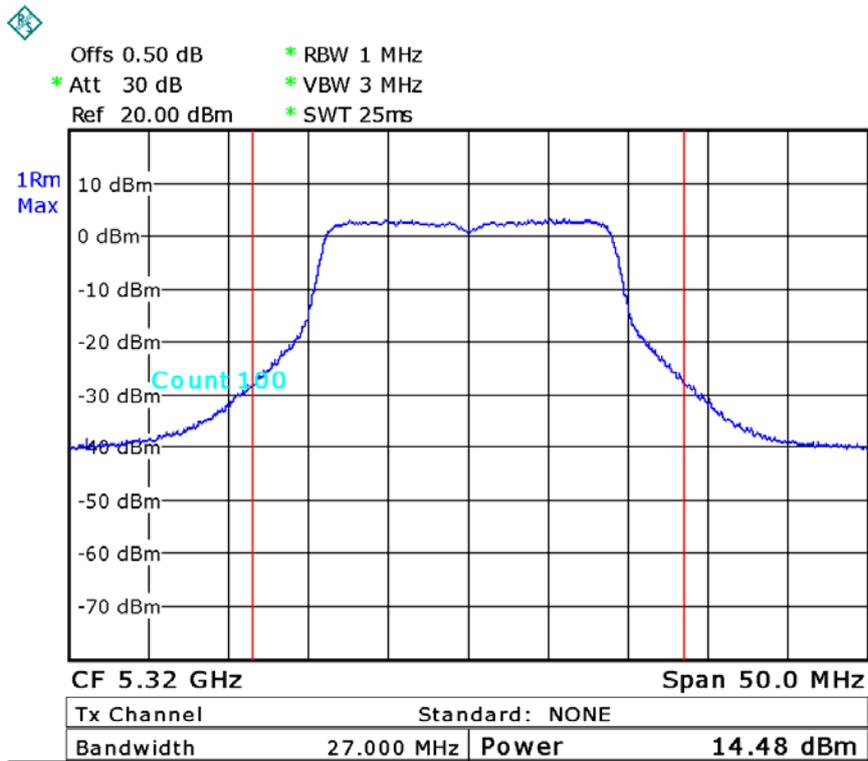


CH56-ANT 2



Date: 9.OCT.2012 16:17:38

CH64-ANT 2



Date: 9.OCT.2012 16:13:17



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62 - For 2TX		

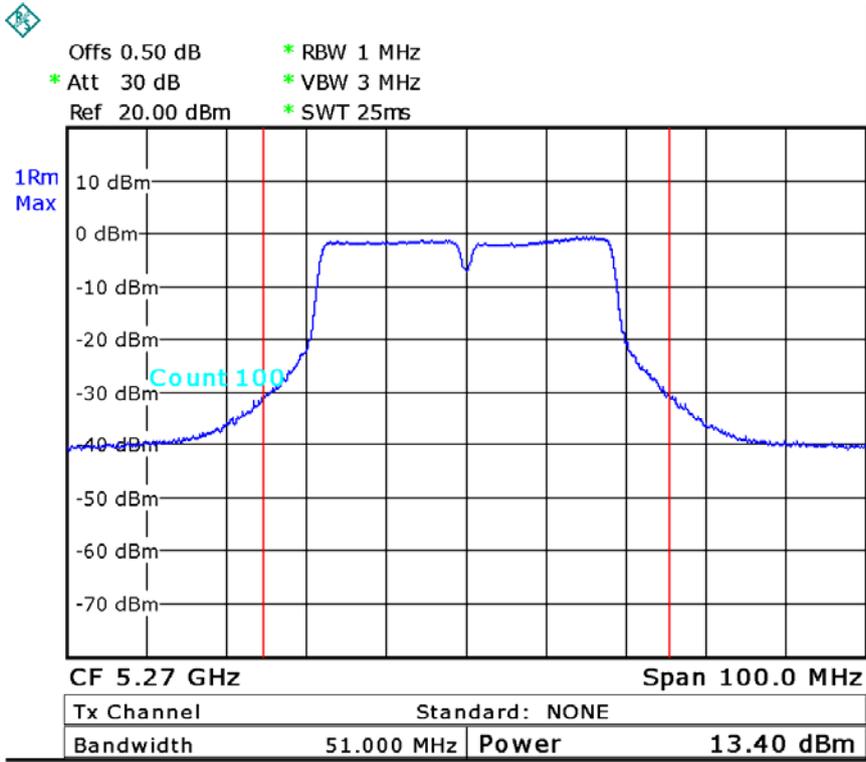
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	13.40	24	0.251
CH62	5310	13.25	24	0.251

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	13.43	24	0.251
CH62	5310	13.27	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	16.43	24	0.251
CH62	5310	16.27	24	0.251

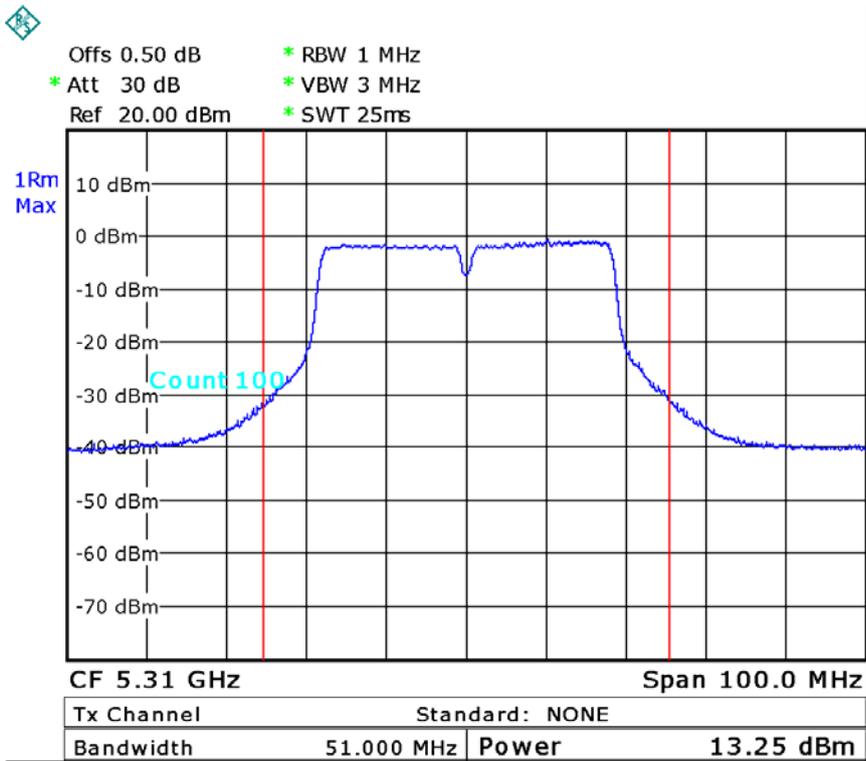


CH54-ANT 1



Date: 9.OCT.2012 14:59:09

CH62-ANT 1



Date: 9.OCT.2012 15:05:47



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140 - For 2TX		

Peak Output Power

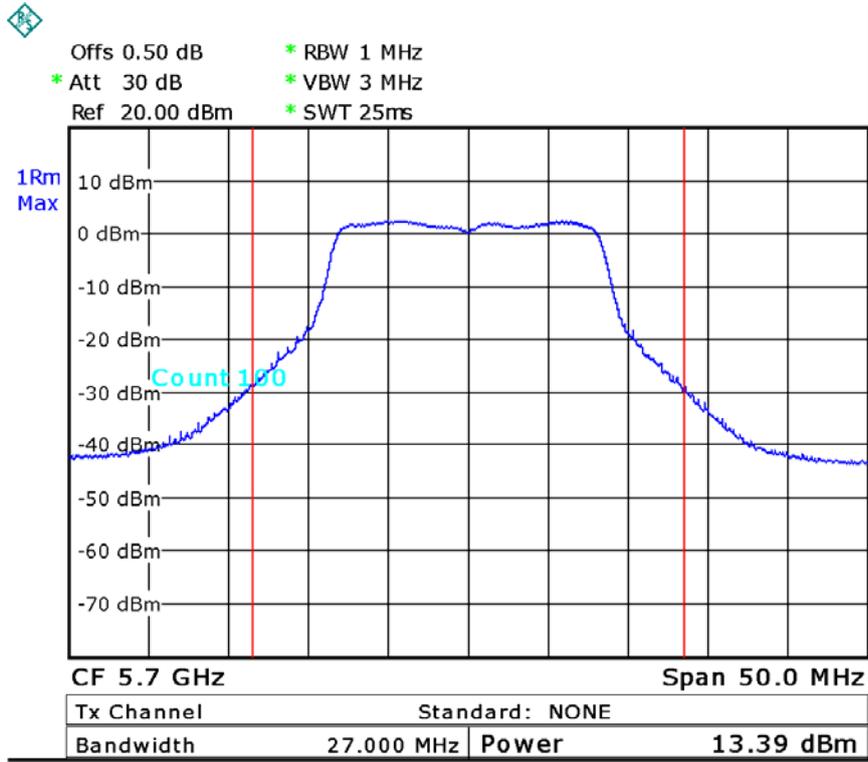
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	13.90	24	0.251
CH116	5580	13.32	24	0.251
CH140	5700	13.39	24	0.251

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	14.12	24	0.251
CH116	5580	14.55	24	0.251
CH140	5700	14.05	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	17.02	24	0.251
CH116	5580	16.99	24	0.251
CH140	5700	16.74	24	0.251

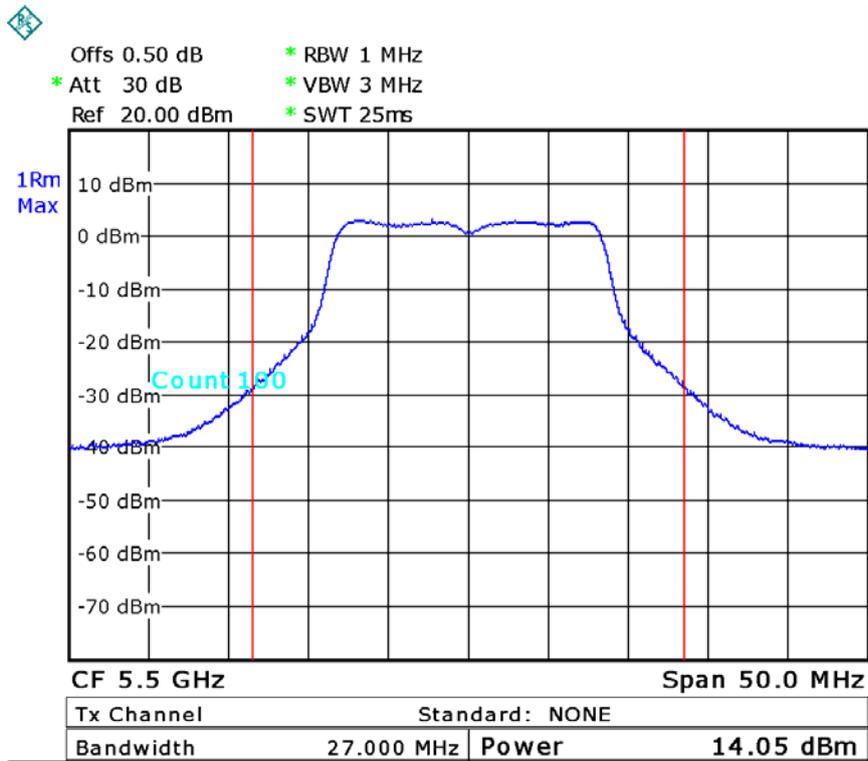


CH140-ANT 1



Date: 9.OCT.2012 16:01:09

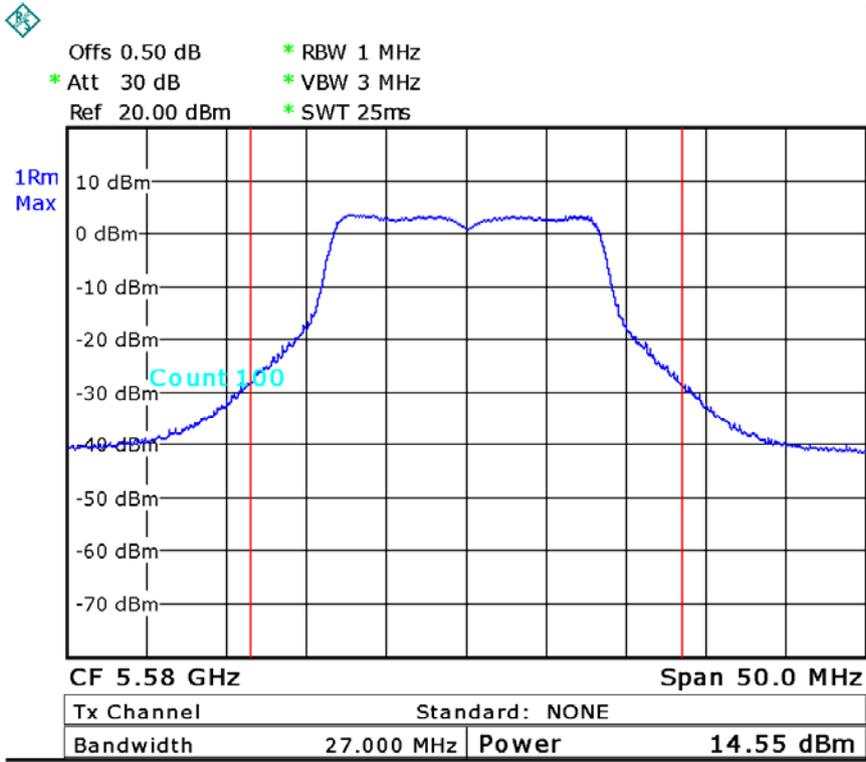
CH100-ANT 2



Date: 9.OCT.2012 15:56:42

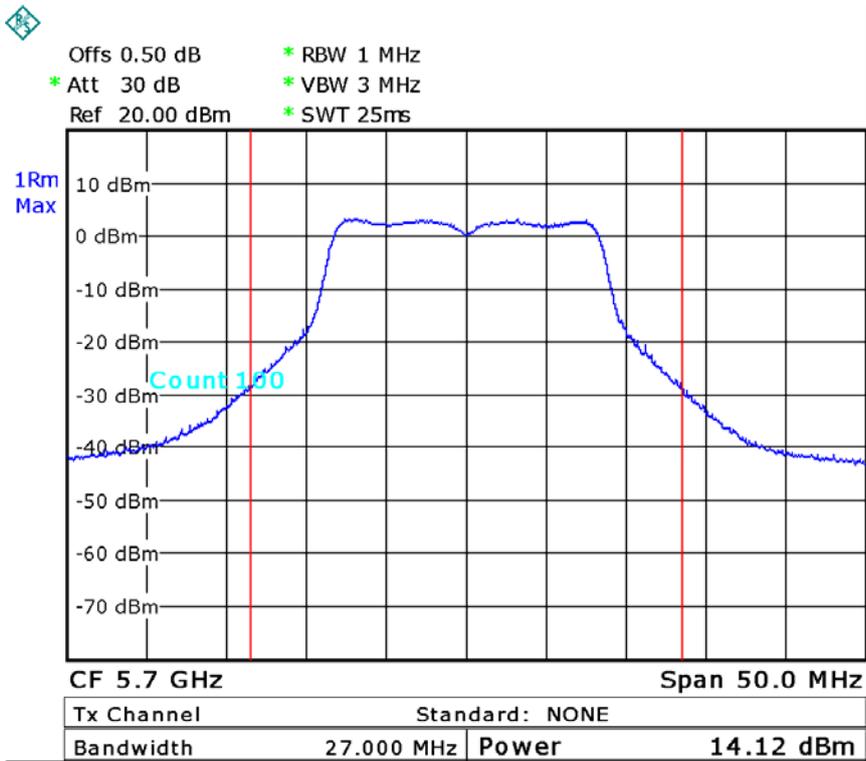


CH116-ANT 2



Date: 9.OCT.2012 15:58:23

CH140-ANT 2



Date: 9.OCT.2012 16:02:49



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140 - For 2TX		

Peak Output Power

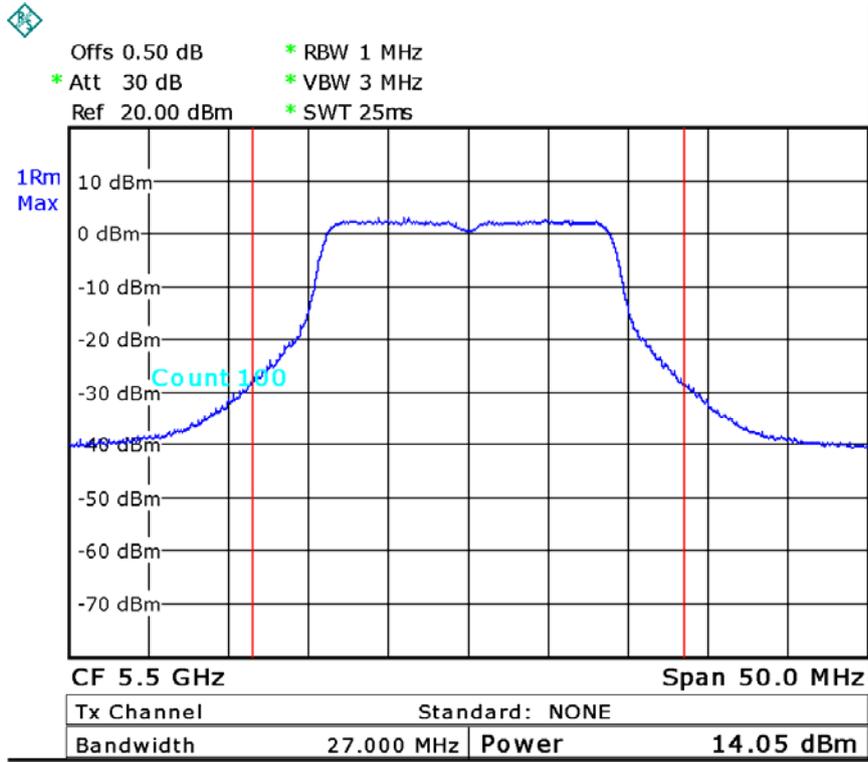
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	14.05	24	0.251
CH116	5580	13.99	24	0.251
CH140	5700	13.52	24	0.251

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	14.84	24	0.251
CH116	5580	14.73	24	0.251
CH140	5700	14.73	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	17.47	24	0.251
CH116	5580	17.39	24	0.251
CH140	5700	17.18	24	0.251

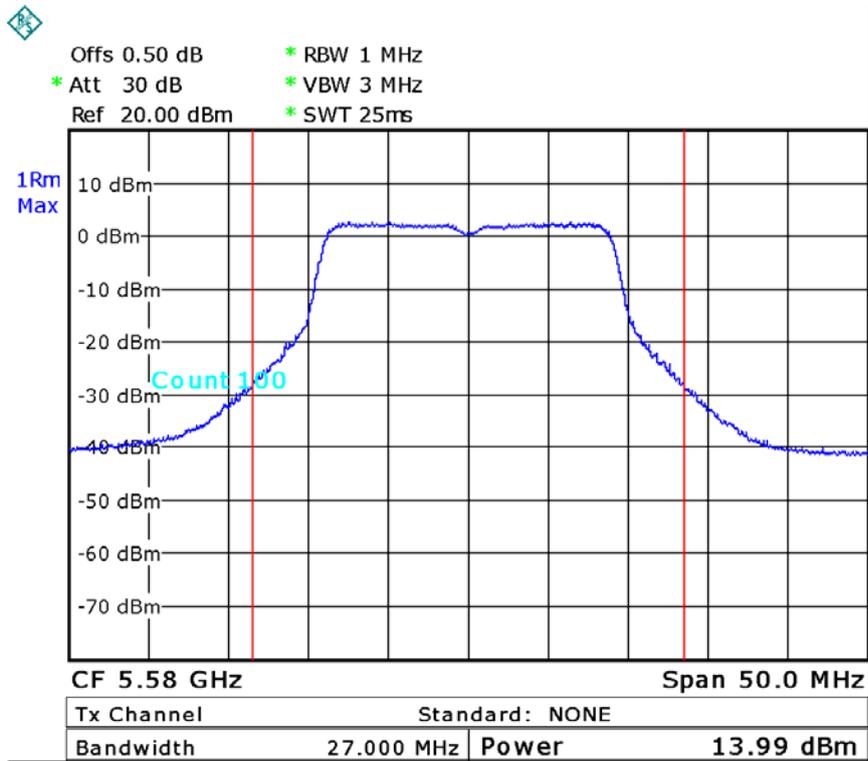


CH100-ANT 1



Date: 9.OCT.2012 16:11:16

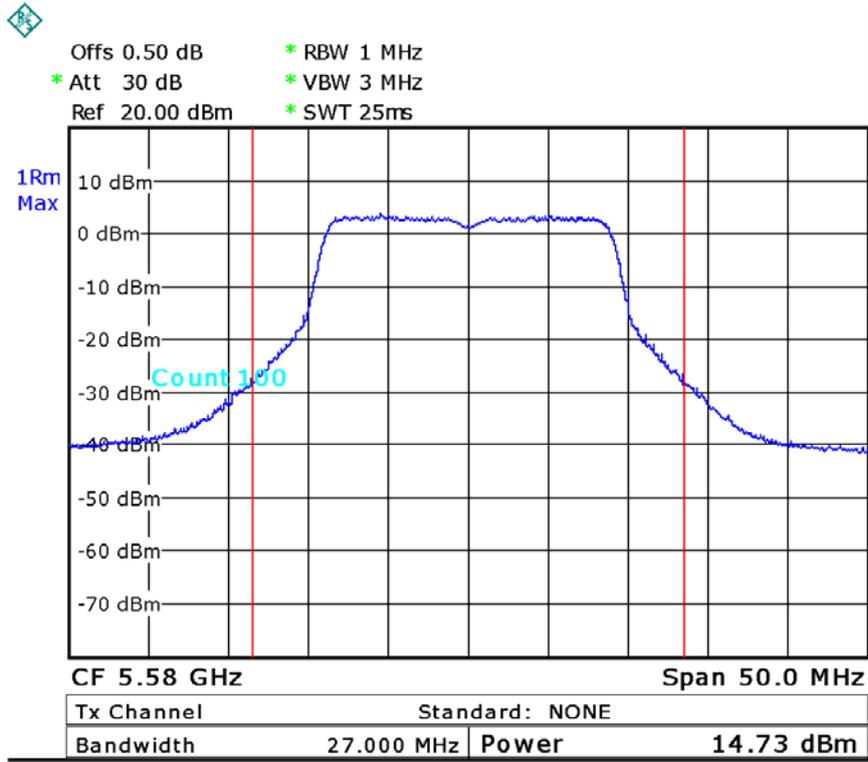
CH116-ANT 1



Date: 9.OCT.2012 16:07:14

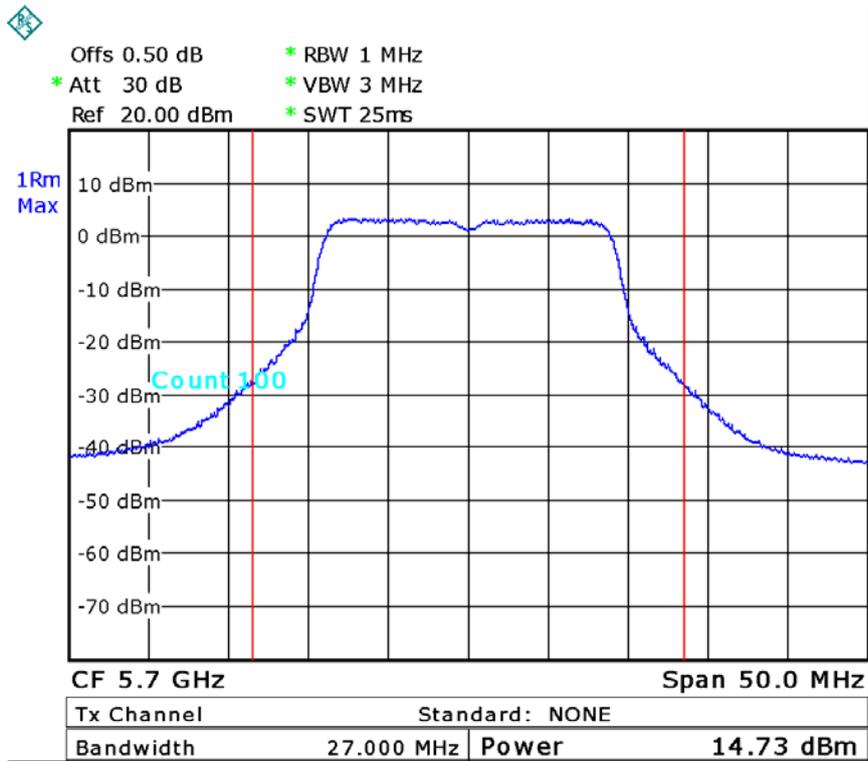


CH116-ANT 2



Date: 9.OCT.2012 16:08:18

CH140-ANT 2



Date: 9.OCT.2012 16:03:58



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110,CH134 - For 2TX		

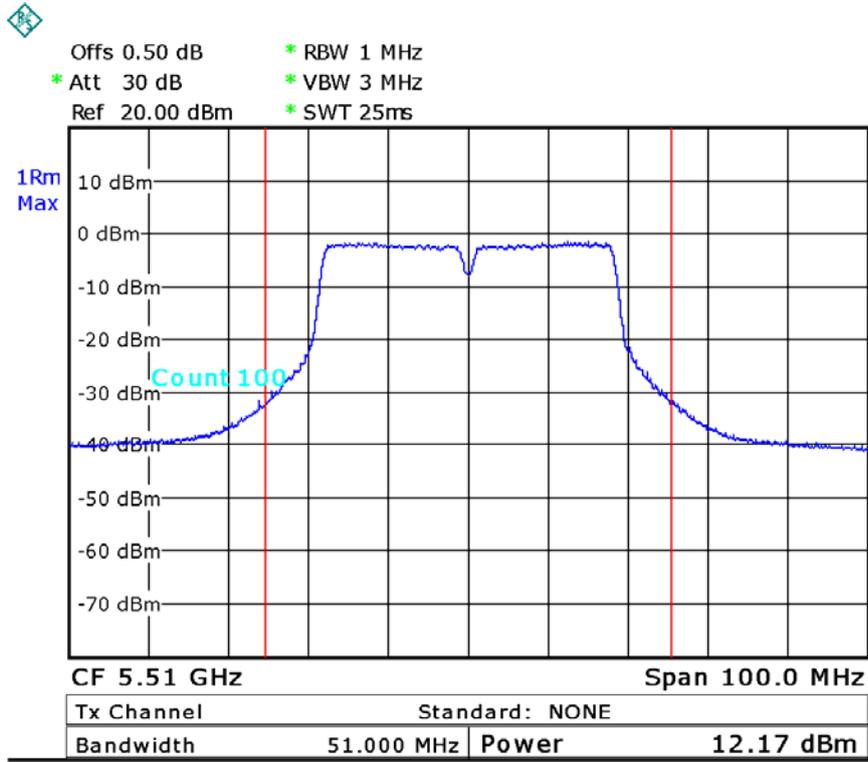
ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	12.17	24	0.251
CH110	5550	14.36	24	0.251
CH134	5670	13.41	24	0.251

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	12.21	24	0.251
CH110	5550	14.40	24	0.251
CH134	5670	13.86	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	15.20	24	0.251
CH110	5550	17.39	24	0.251
CH134	5670	16.65	24	0.251

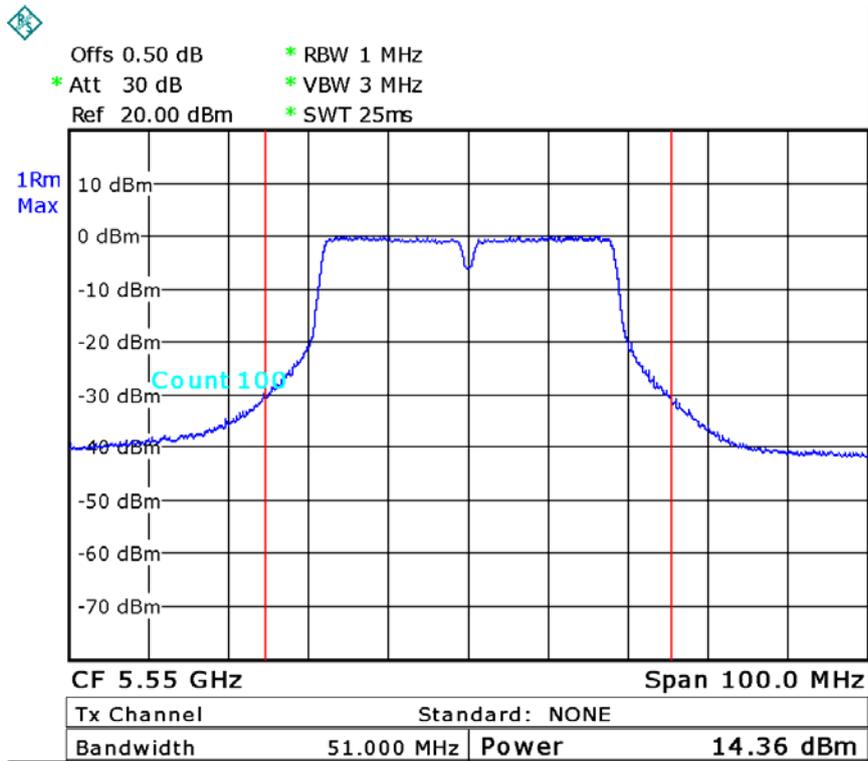


CH102-ANT 1



Date: 13.OCT.2012 13:28:20

CH110-ANT 1



Date: 9.OCT.2012 15:16:52



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48 - For 3TX		

Peak Output Power

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	8.55	17.00	0.0501
CH40	5200	8.62	17.00	0.0501
CH48	5240	9.54	17.00	0.0501

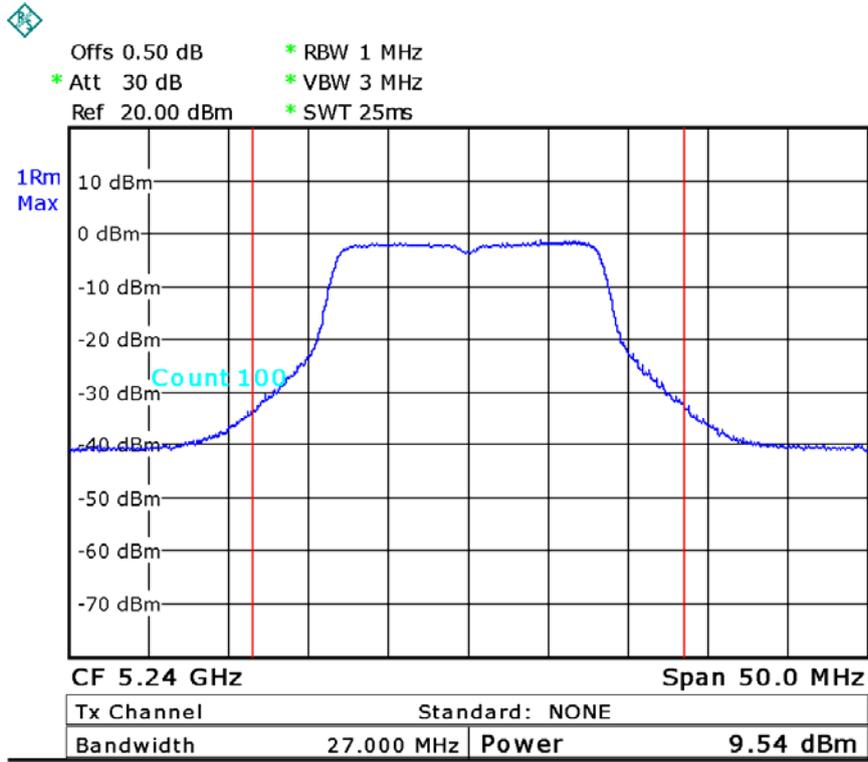
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	9.01	17.00	0.0501
CH40	5200	8.81	17.00	0.0501
CH48	5240	9.69	17.00	0.0501

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	9.18	17.00	0.0501
CH40	5200	9.00	17.00	0.0501
CH48	5240	9.71	17.00	0.0501

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	13.69	17.00	0.0501
CH40	5200	13.58	17.00	0.0501
CH48	5240	14.42	17.00	0.0501

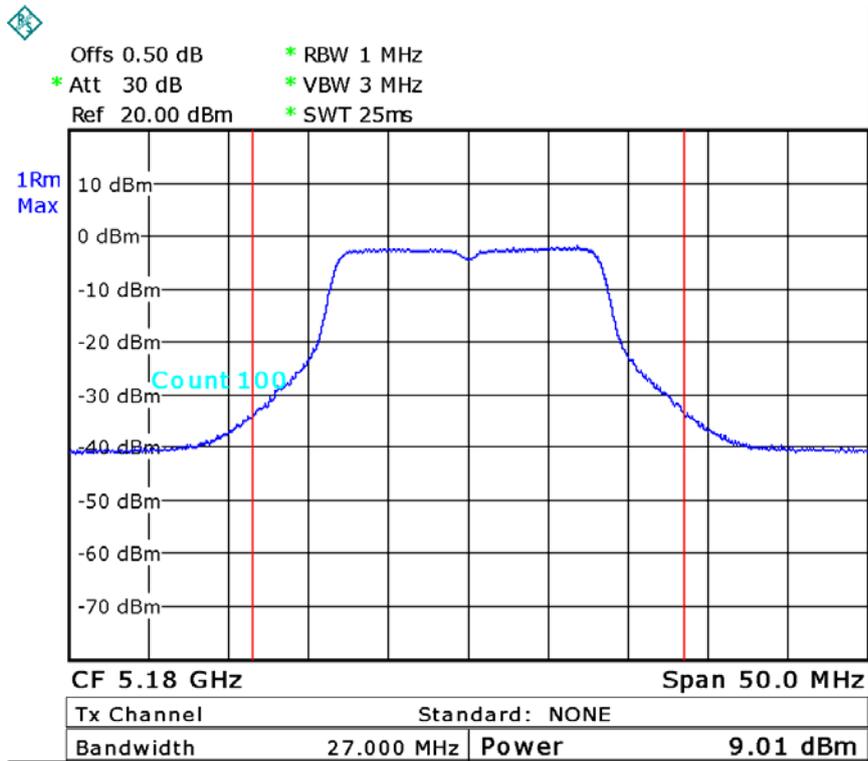


CH48-ANT 1



Date: 9.OCT.2012 17:31:32

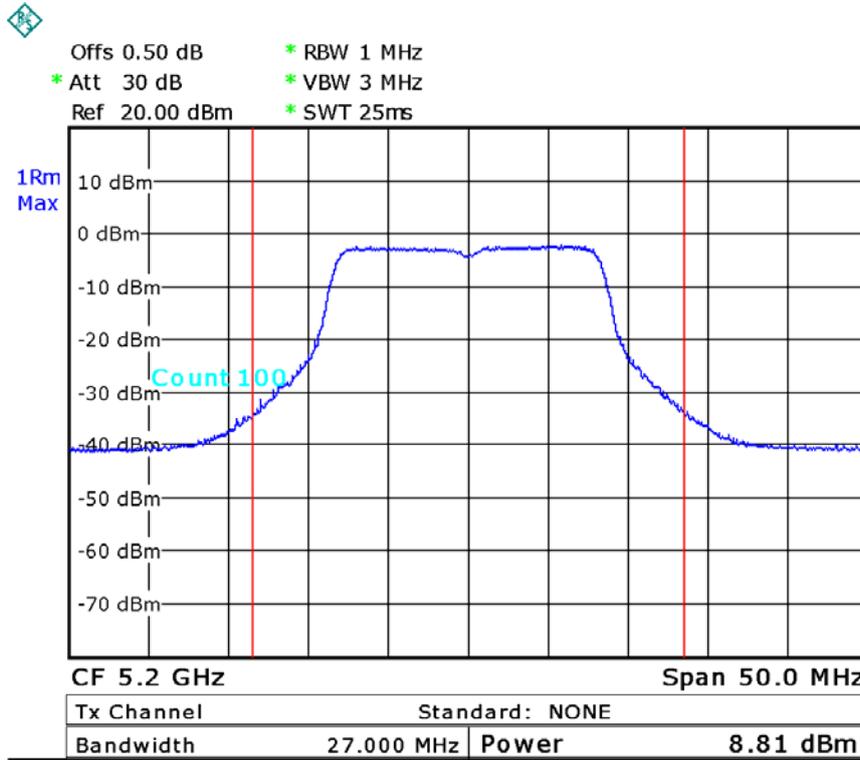
CH36-ANT 2



Date: 9.OCT.2012 17:16:57

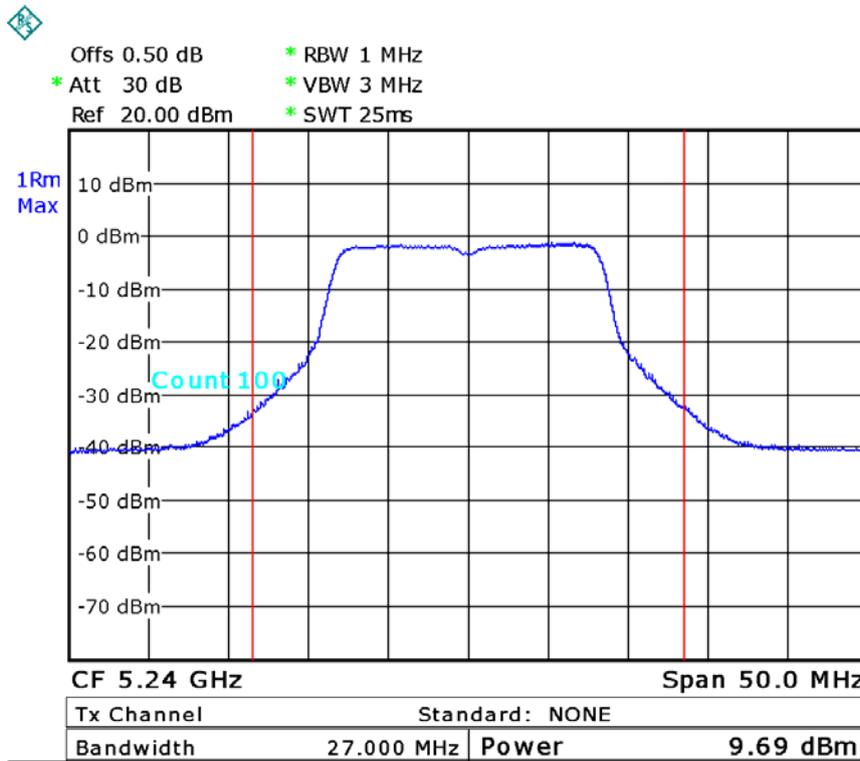


CH40-ANT 2



Date: 9.OCT.2012 17:26:40

CH48-ANT 2



Date: 9.OCT.2012 17:31:14

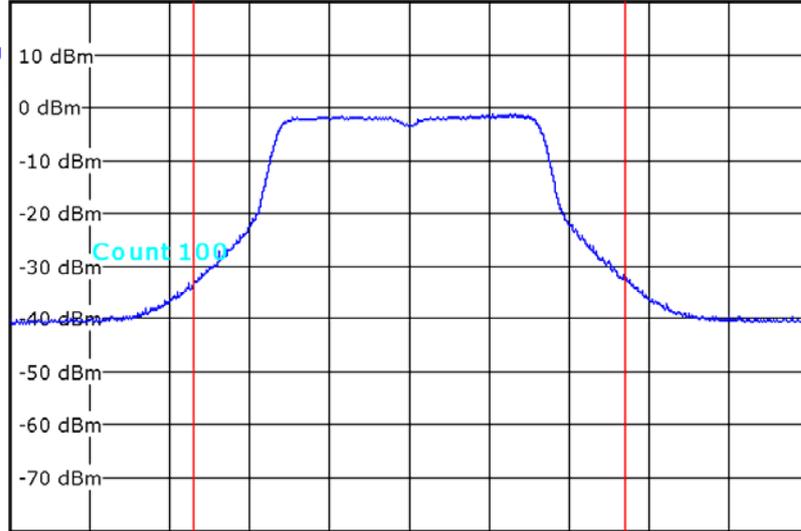


CH48-ANT 3



Offs 0.50 dB * RBW 1 MHz
* Att 30 dB * VBW 3 MHz
Ref 20.00 dBm * SWT 25ms

1Rm
Max



CF 5.24 GHz		Span 50.0 MHz	
Tx Channel		Standard: NONE	
Bandwidth	27.000 MHz	Power	9.71 dBm

Date: 9.OCT.2012 17:31:23



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48 - For 3TX		

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	9.01	17.00	0.0501
CH40	5200	9.03	17.00	0.0501
CH48	5240	8.22	17.00	0.0501

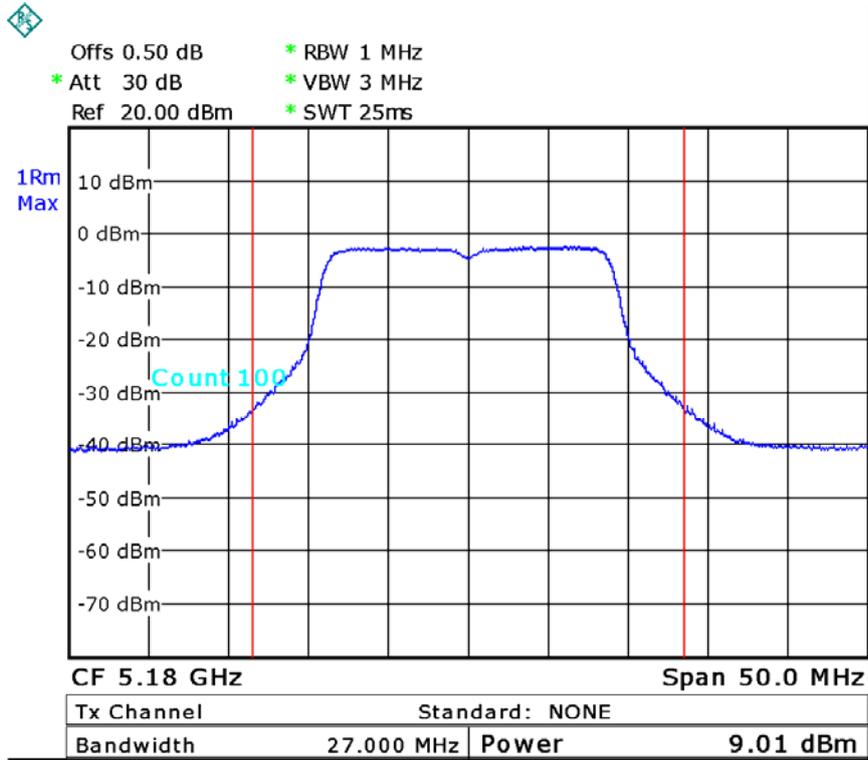
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	9.15	17.00	0.0501
CH40	5200	9.13	17.00	0.0501
CH48	5240	9.33	17.00	0.0501

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	9.39	17.00	0.0501
CH40	5200	9.18	17.00	0.0501
CH48	5240	9.72	17.00	0.0501

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	13.96	17.00	0.0501
CH40	5200	13.88	17.00	0.0501
CH48	5240	13.91	17.00	0.0501

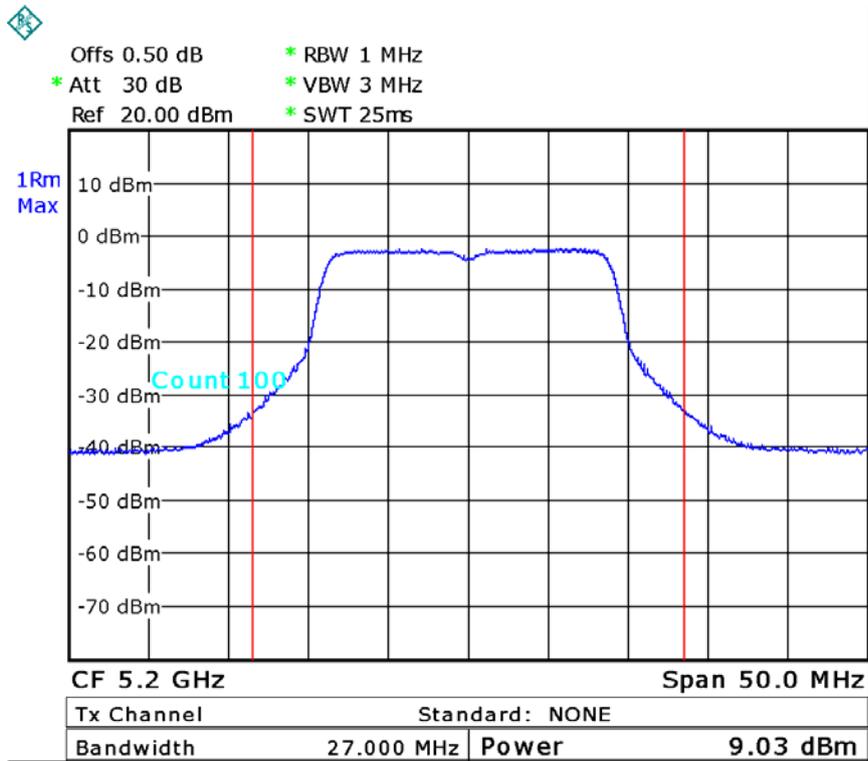


CH36-ANT 1



Date: 9.OCT.2012 18:05:49

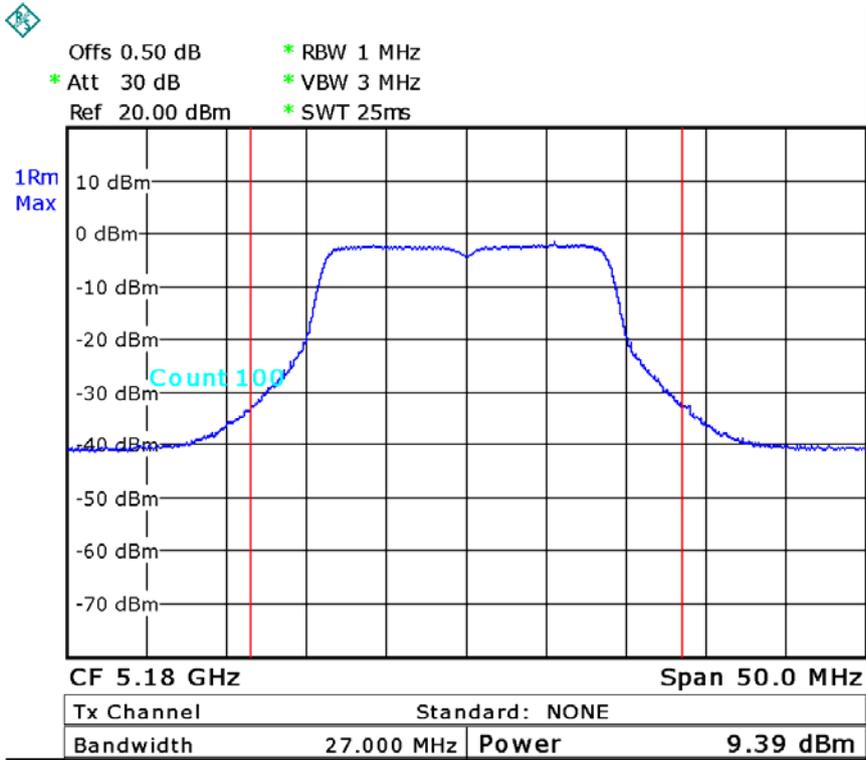
CH40-ANT 1



Date: 9.OCT.2012 18:11:14

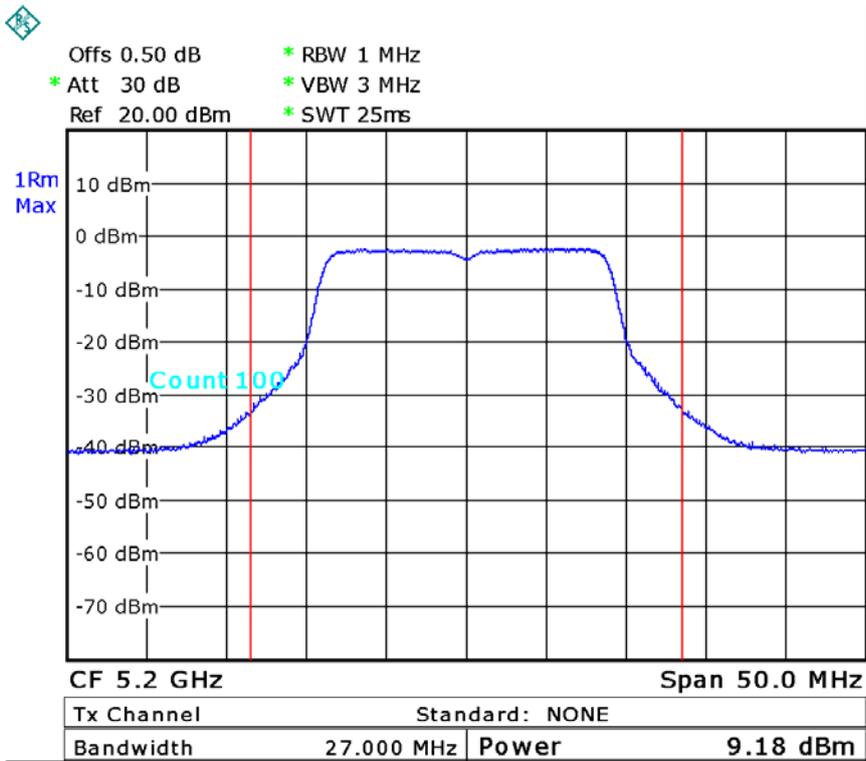


CH36-ANT 3



Date: 9.OCT.2012 18:04:28

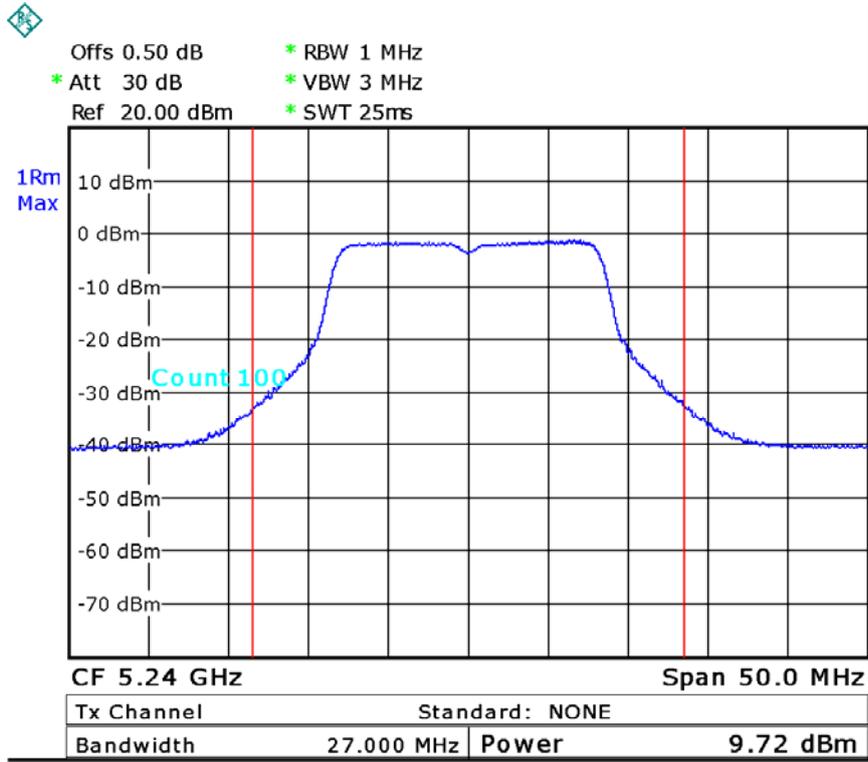
CH40-ANT 3



Date: 9.OCT.2012 18:10:56



CH48-ANT 3



Date: 9.OCT.2012 18:14:18



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH36, CH40, CH48 - For 3TX		

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	9.37	17.00	0.0501
CH46	5230	8.41	17.00	0.0501

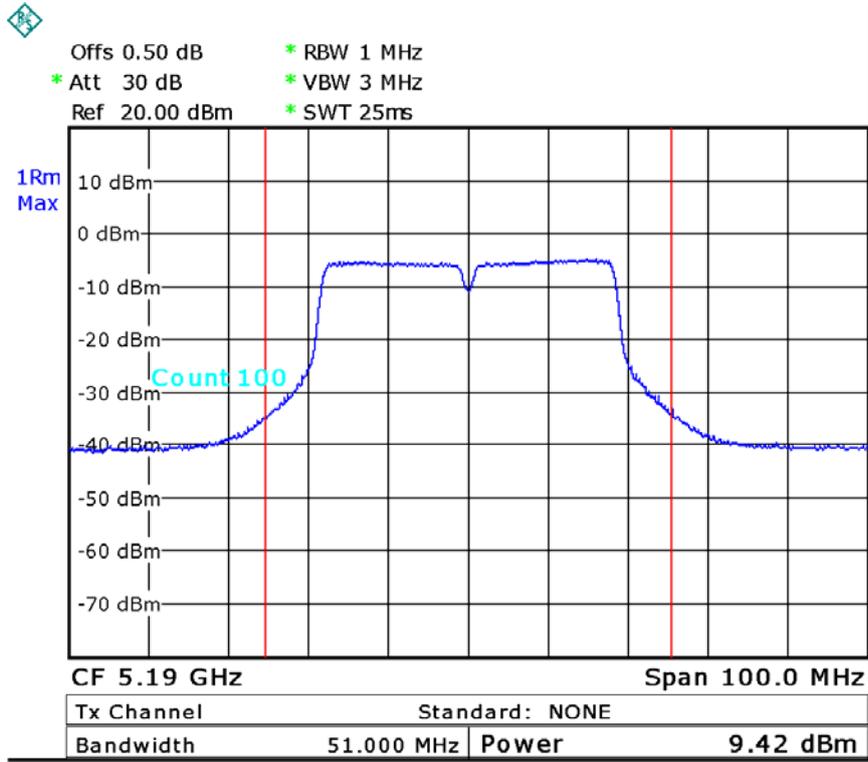
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	9.42	17.00	0.0501
CH46	5230	8.55	17.00	0.0501

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	9.43	17.00	0.0501
CH46	5230	10.16	17.00	0.0501

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	14.18	17.00	0.0501
CH46	5230	13.89	17.00	0.0501

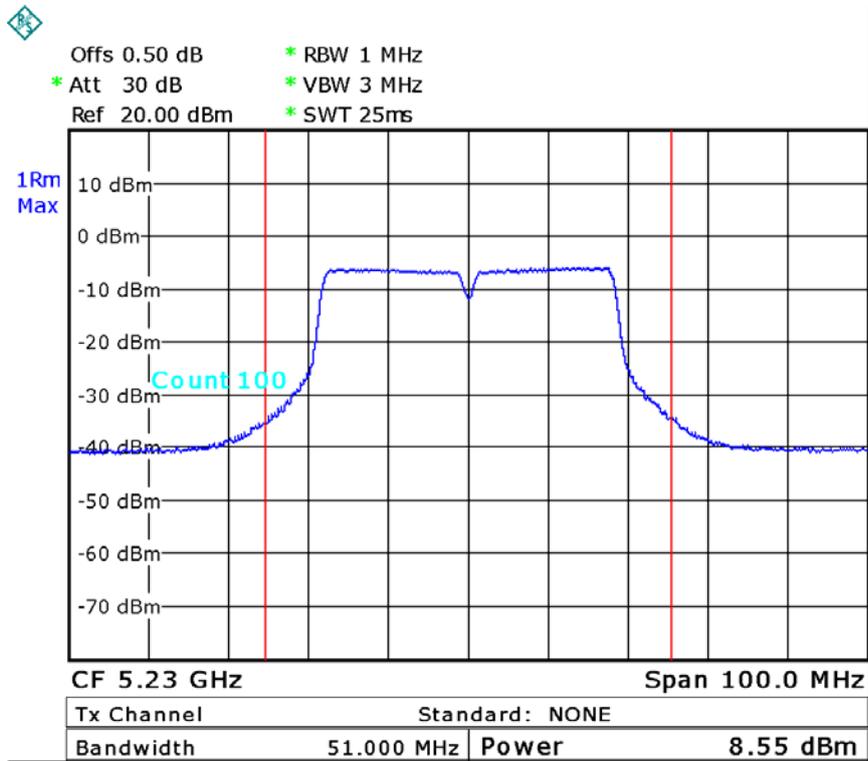


CH38-ANT 2



Date: 9.OCT.2012 19:04:22

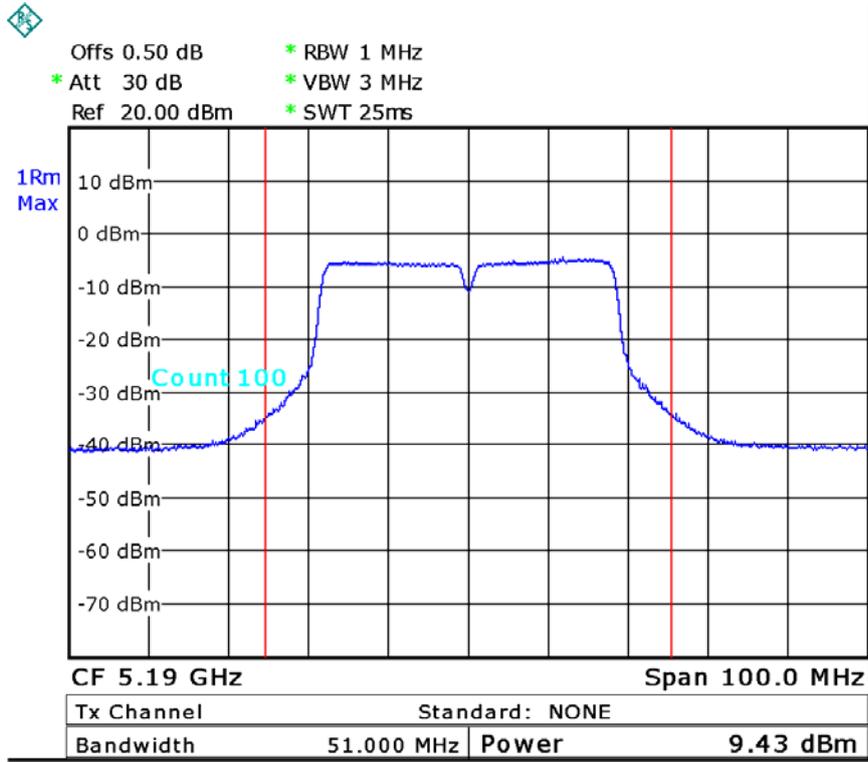
CH46-ANT 2



Date: 9.OCT.2012 19:13:34

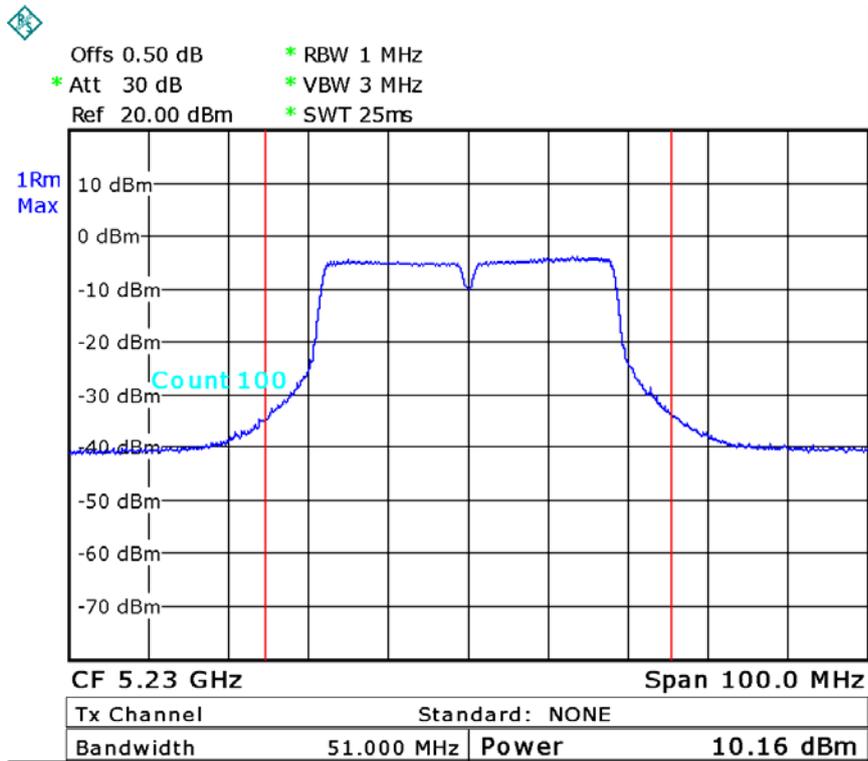


CH38-ANT 3



Date: 9.OCT.2012 19:04:09

CH46-ANT 3



Date: 9.OCT.2012 19:11:36



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64 - For 3TX		

Peak Output Power

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	11.51	24	0.251
CH56	5280	12.15	24	0.251
CH64	5320	12.45	24	0.251

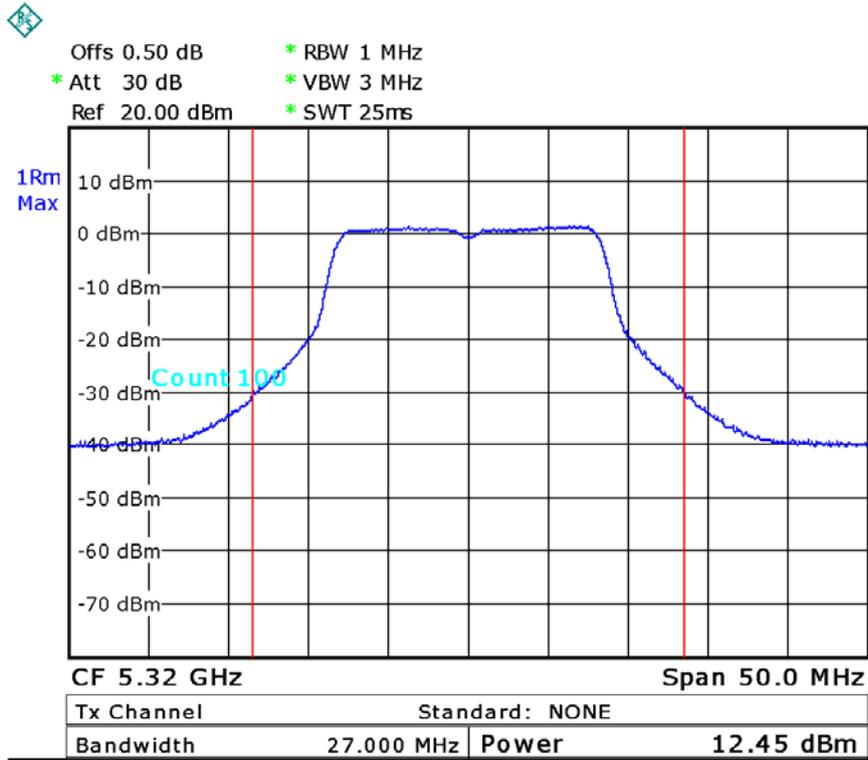
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	11.09	24	0.251
CH56	5280	11.43	24	0.251
CH64	5320	12.34	24	0.251

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.48	24	0.251
CH56	5280	11.22	24	0.251
CH64	5320	13.06	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	16.50	24	0.251
CH56	5280	16.39	24	0.251
CH64	5320	17.40	24	0.251

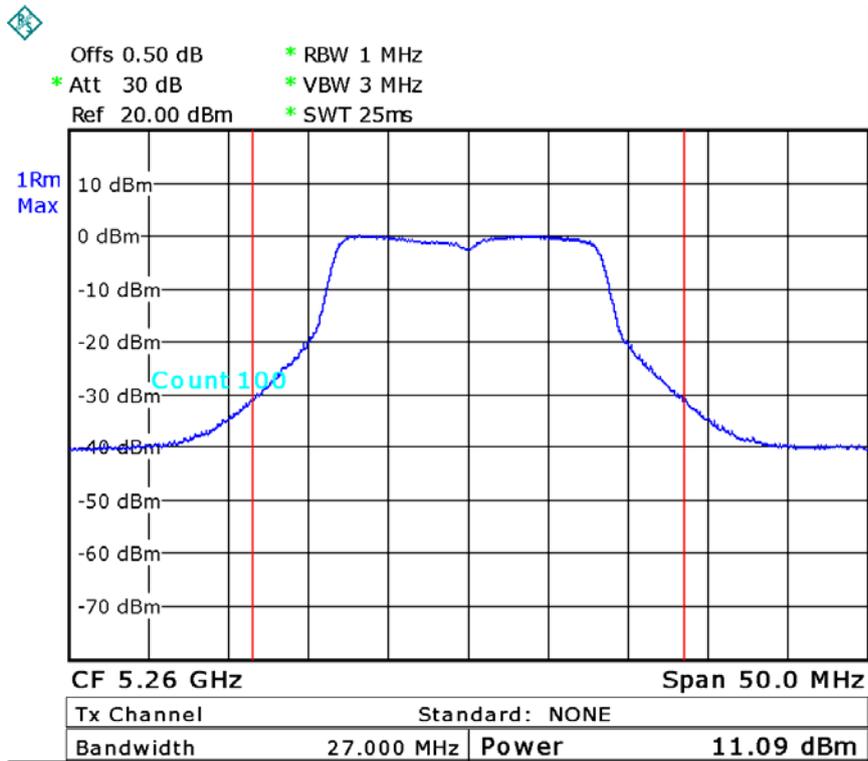


CH64-ANT 1



Date: 9.OCT.2012 17:47:03

CH52-ANT 2



Date: 9.OCT.2012 17:37:37

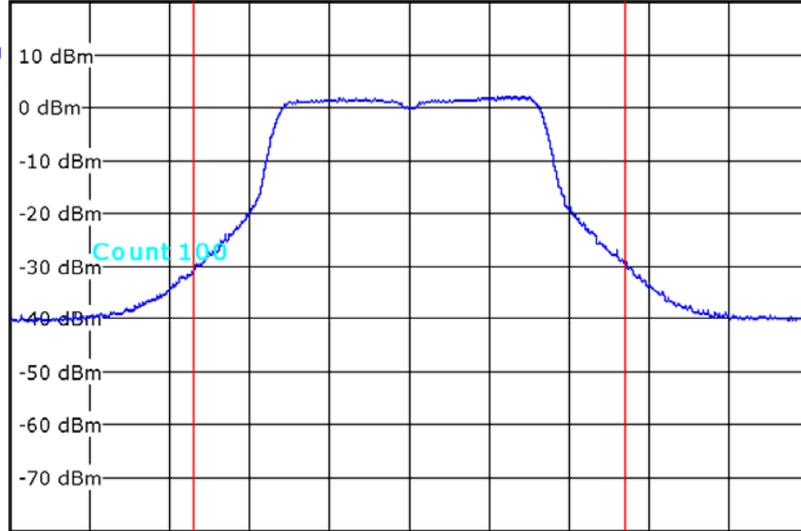


CH64-ANT 3



Offs 0.50 dB * RBW 1 MHz
* Att 30 dB * VBW 3 MHz
Ref 20.00 dBm * SWT 25ms

1Rm
Max



CF 5.32 GHz	Span 50.0 MHz
Tx Channel	Standard: NONE
Bandwidth	27.000 MHz
Power	13.06 dBm

Date: 9.OCT.2012 17:45:28



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64 - For 3TX		

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	11.27	24	0.251
CH56	5280	11.54	24	0.251
CH64	5320	11.28	24	0.251

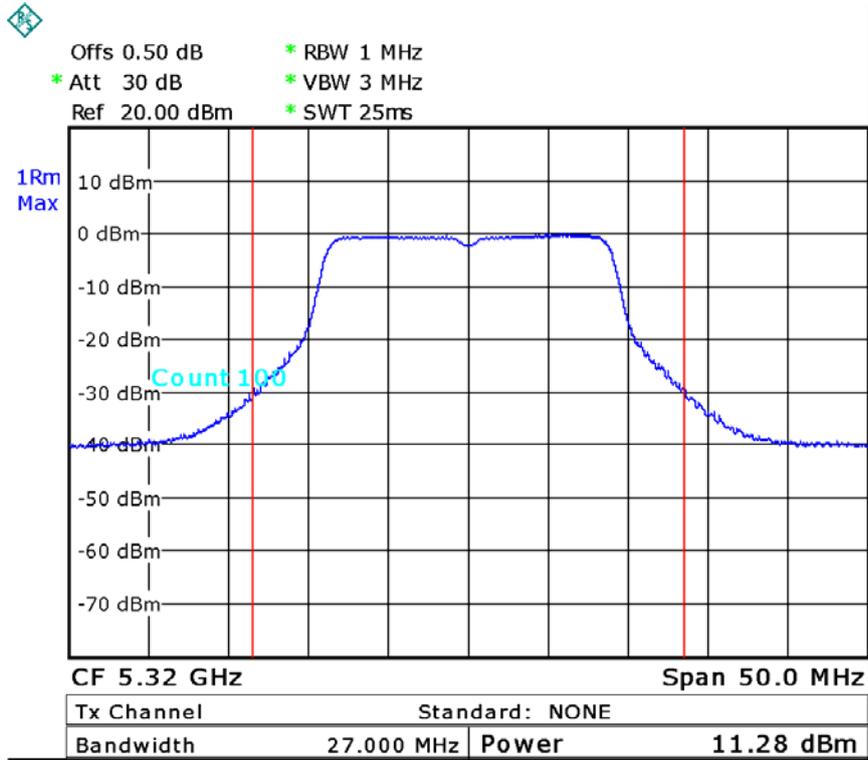
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.64	24	0.251
CH56	5280	11.49	24	0.251
CH64	5320	11.67	24	0.251

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.68	24	0.251
CH56	5280	11.81	24	0.251
CH64	5320	12.66	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	17.02	24	0.251
CH56	5280	16.39	24	0.251
CH64	5320	16.68	24	0.251

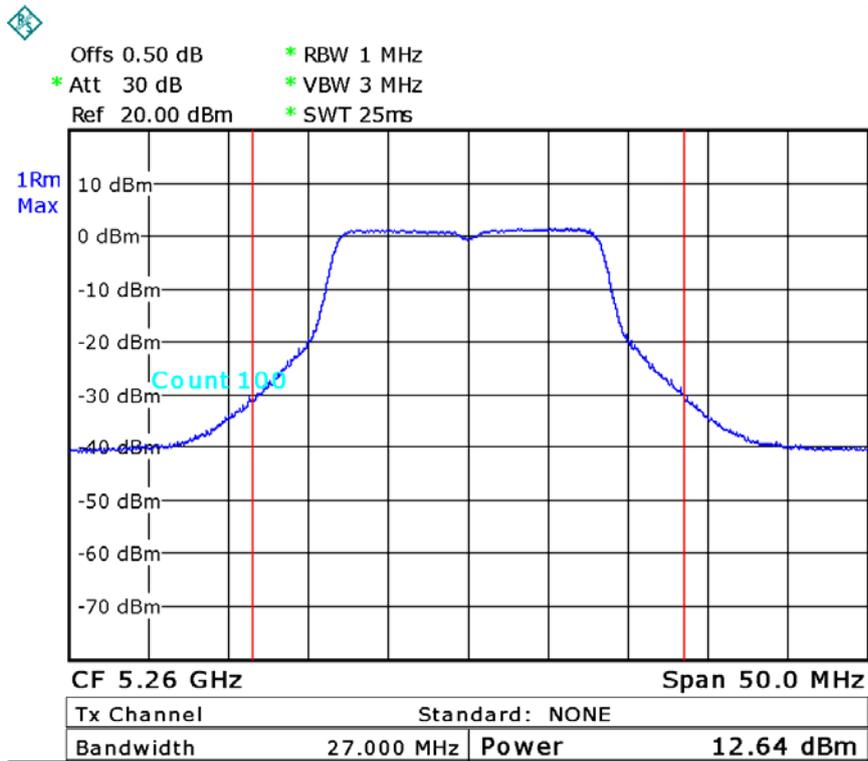


CH64-ANT 1



Date: 9.OCT.2012 18:38:10

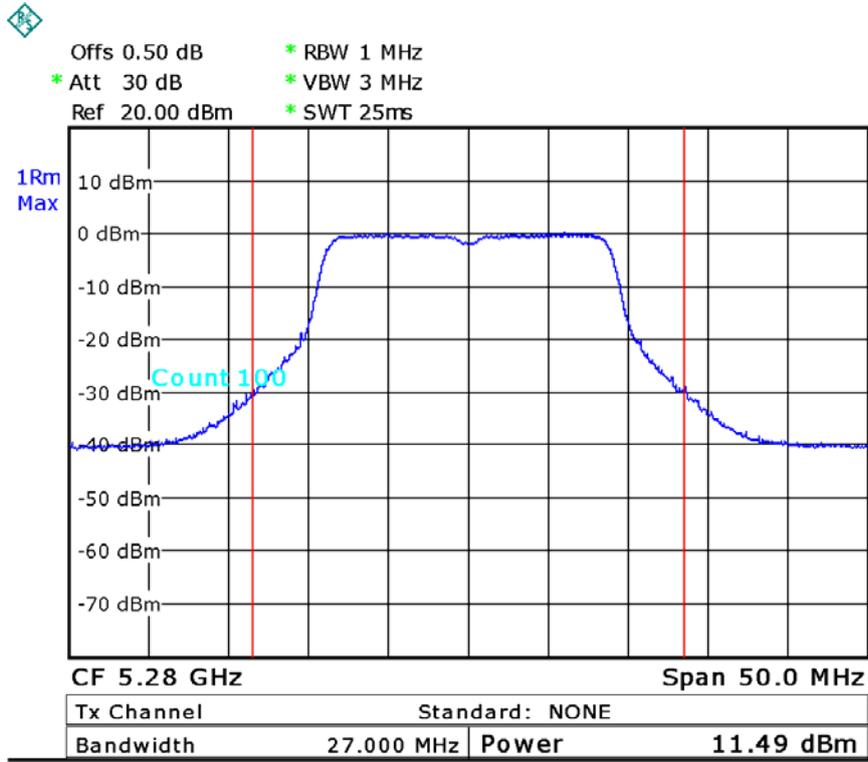
CH52-ANT 2



Date: 9.OCT.2012 18:20:54

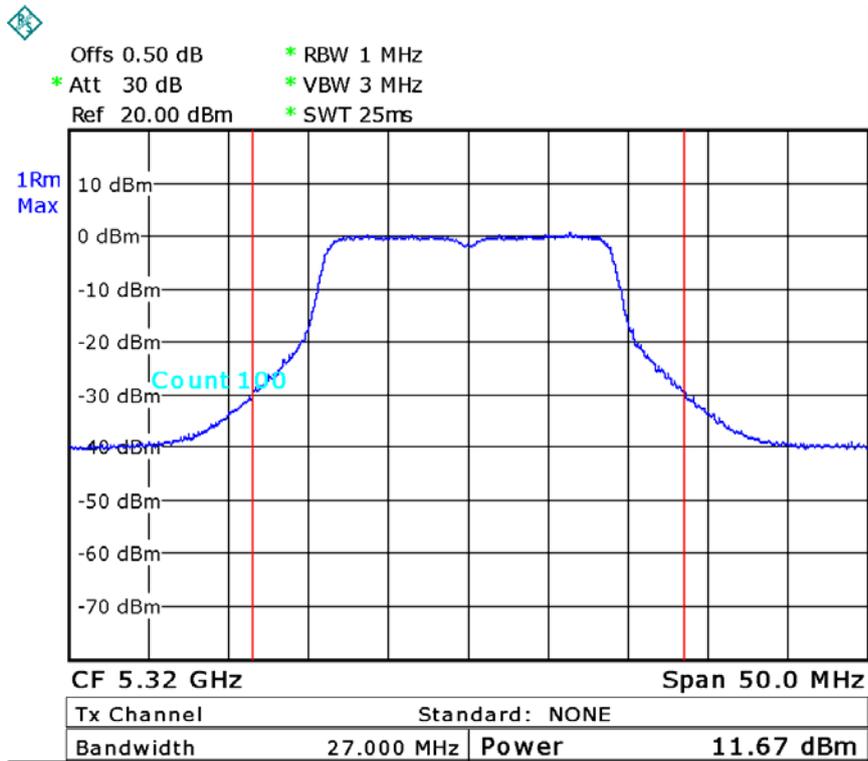


CH56-ANT 2



Date: 9.OCT.2012 18:33:56

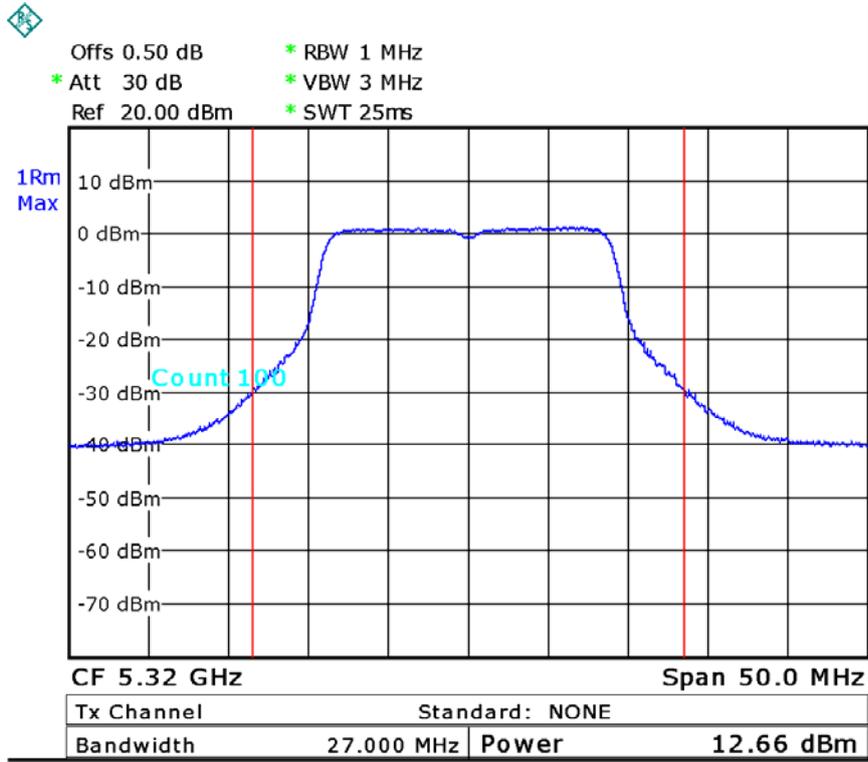
CH64-ANT 2



Date: 9.OCT.2012 18:38:31



CH64-ANT 3



Date: 9.OCT.2012 18:39:40



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62 - For 2TX		

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	11.49	24	0.251
CH62	5310	11.95	24	0.251

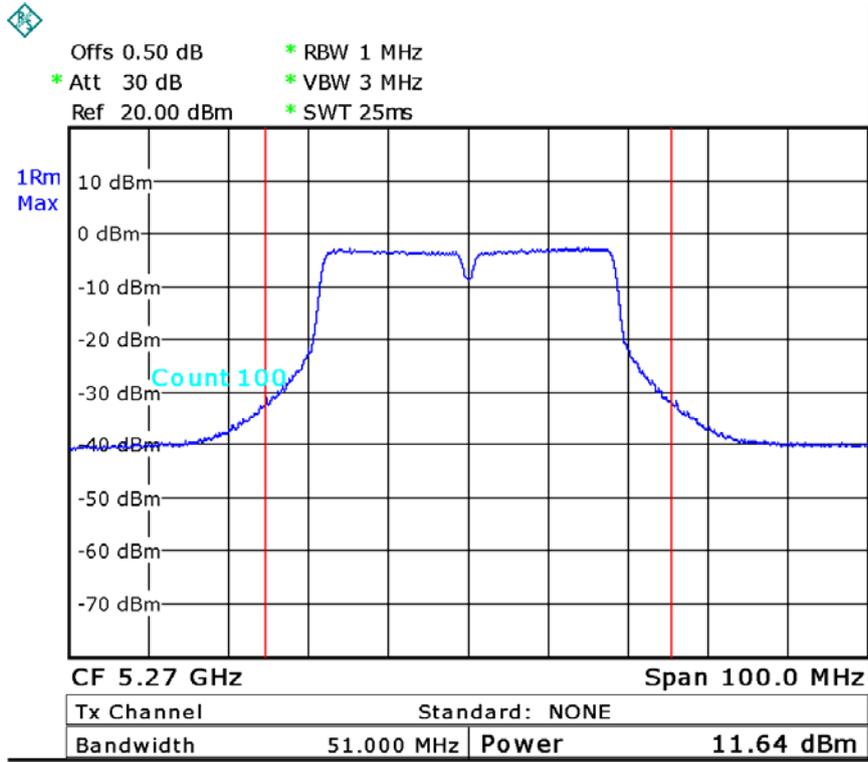
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	11.64	24	0.251
CH62	5310	12.05	24	0.251

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	12.43	24	0.251
CH62	5310	12.94	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	16.64	24	0.251
CH62	5310	17.11	24	0.251

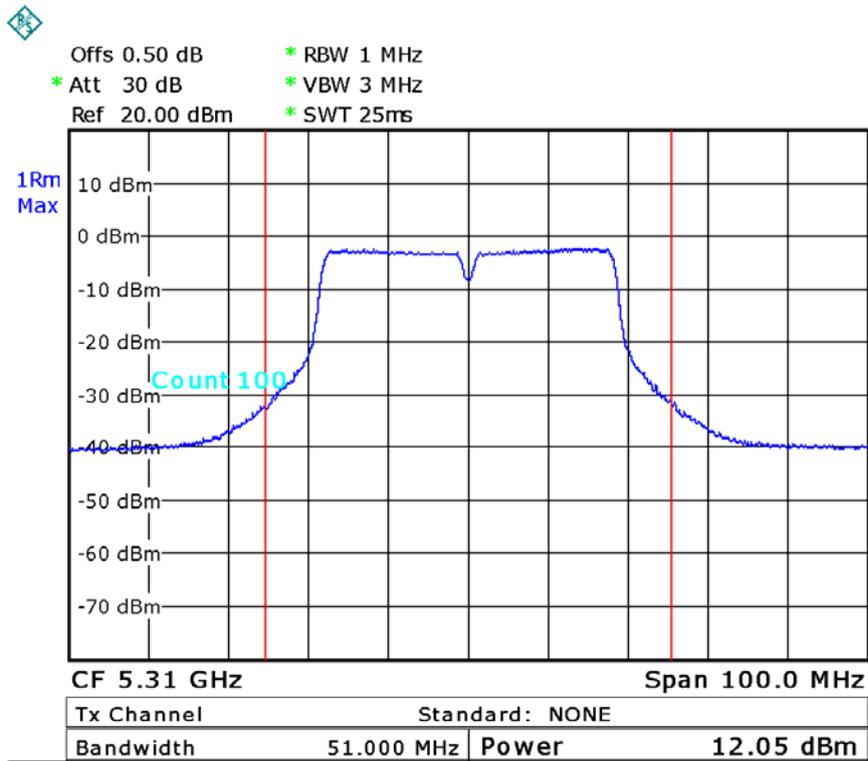


CH54-ANT 2



Date: 9.OCT.2012 19:16:10

CH62-ANT 2



Date: 9.OCT.2012 19:22:28



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140 - For 3TX		

Peak Output Power

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	13.01	24	0.251
CH116	5580	13.14	24	0.251
CH140	5700	13.18	24	0.251

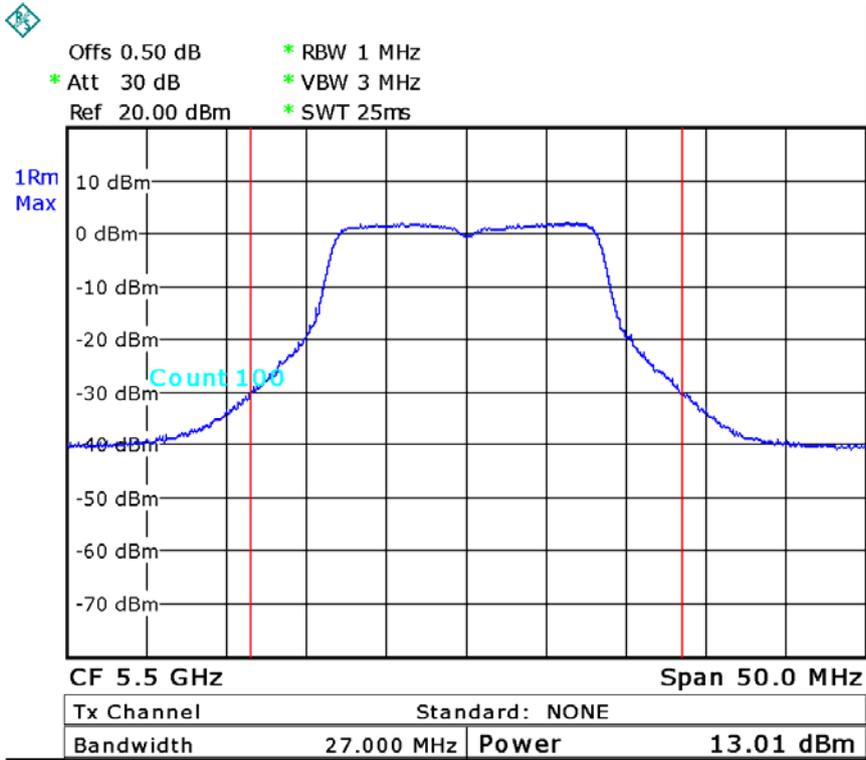
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	13.04	24	0.251
CH116	5580	13.33	24	0.251
CH140	5700	13.14	24	0.251

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	13.32	24	0.251
CH116	5580	13.57	24	0.251
CH140	5700	13.55	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	17.90	24	0.251
CH116	5580	18.12	24	0.251
CH140	5700	18.07	24	0.251

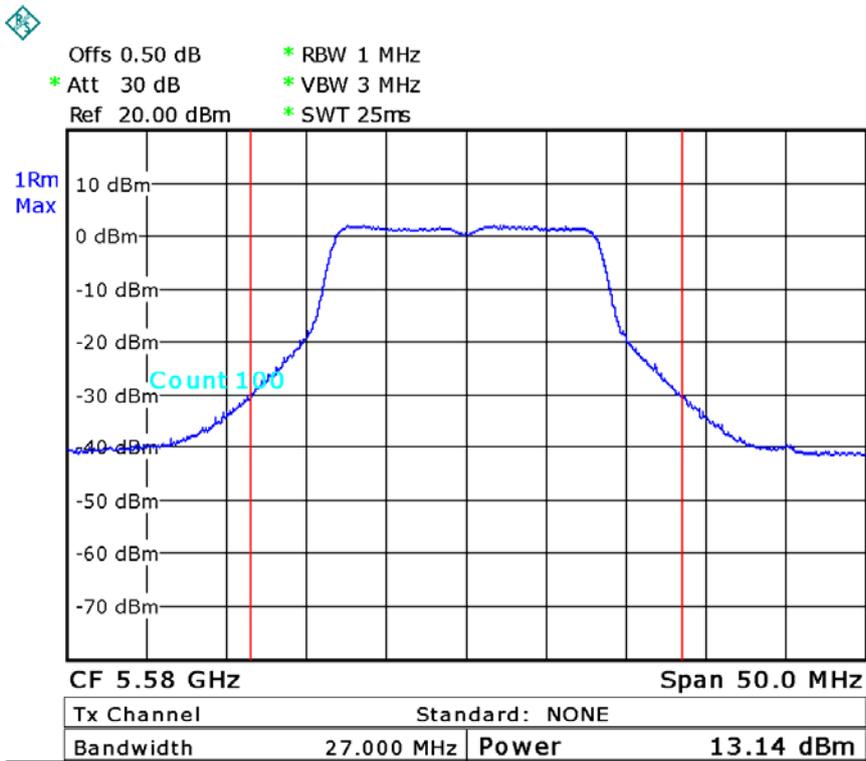


CH100-ANT 1



Date: 9.OCT.2012 17:49:35

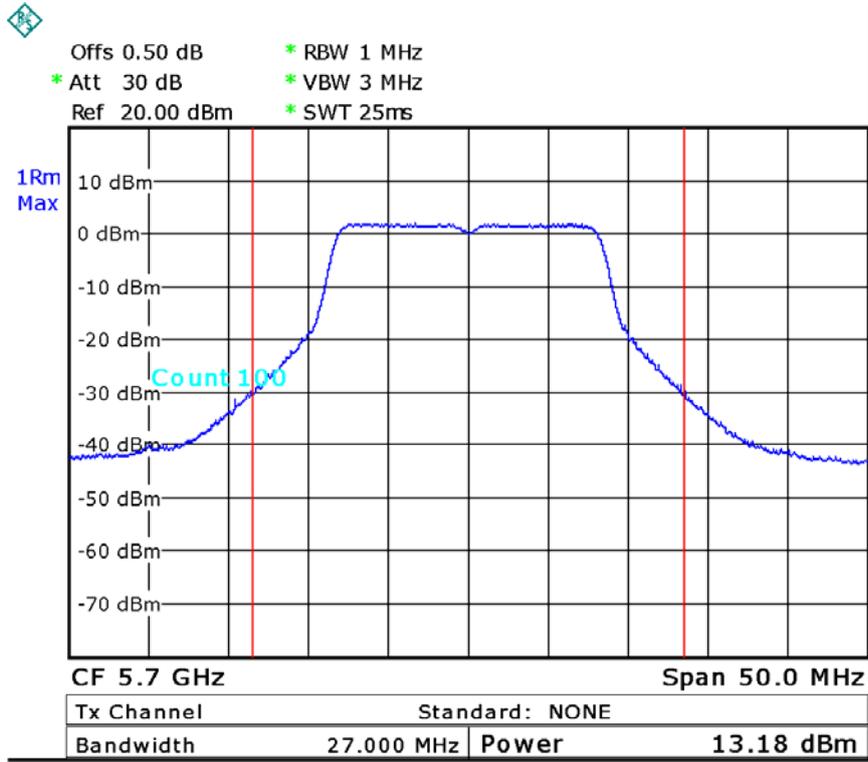
CH116-ANT 1



Date: 9.OCT.2012 17:55:45

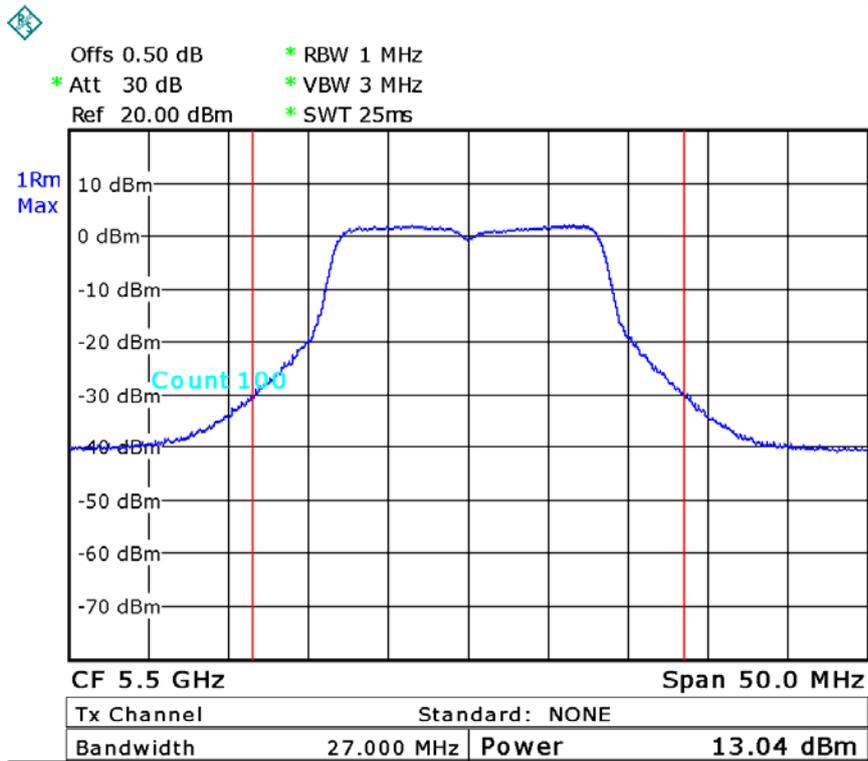


CH140-ANT 1



Date: 9.OCT.2012 18:00:37

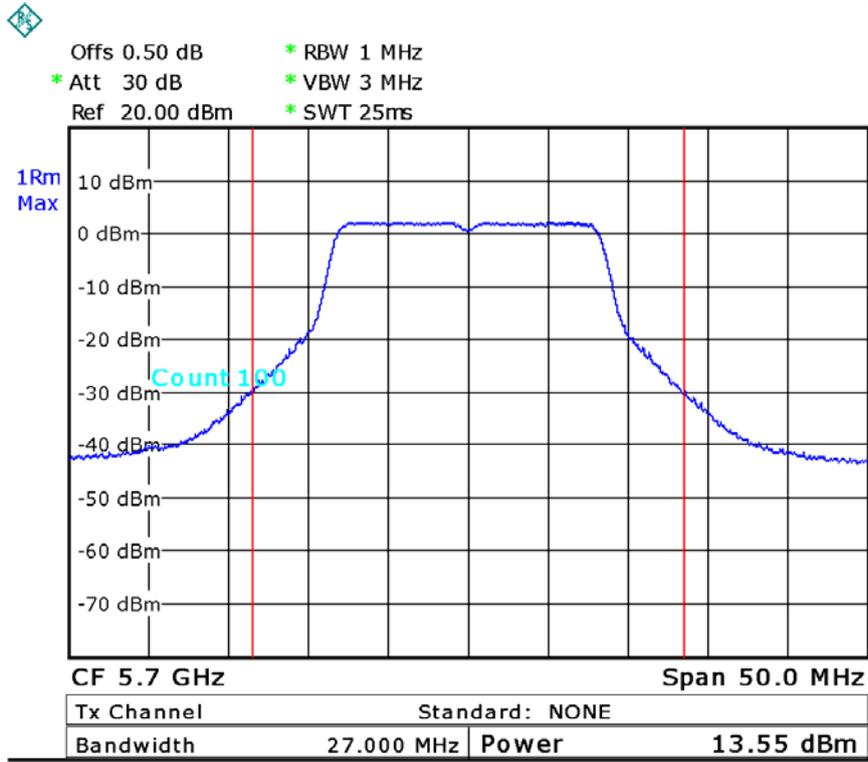
CH100-ANT 2



Date: 9.OCT.2012 17:49:27



CH140-ANT 3



Date: 9.OCT.2012 17:59:16



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140 - For 3TX		

Peak Output Power

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.31	24	0.251
CH116	5580	12.82	24	0.251
CH140	5700	11.56	24	0.251

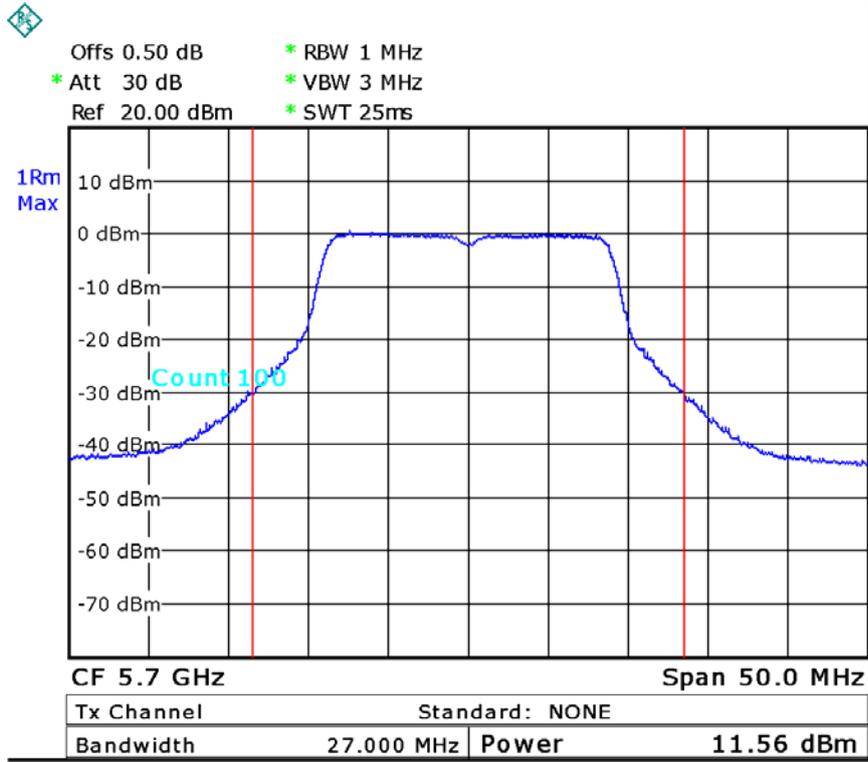
ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.38	24	0.251
CH116	5580	12.95	24	0.251
CH140	5700	13.06	24	0.251

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.56	24	0.251
CH116	5580	13.85	24	0.251
CH140	5700	13.34	24	0.251

Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	17.19	24	0.251
CH116	5580	18.00	24	0.251
CH140	5700	17.49	24	0.251

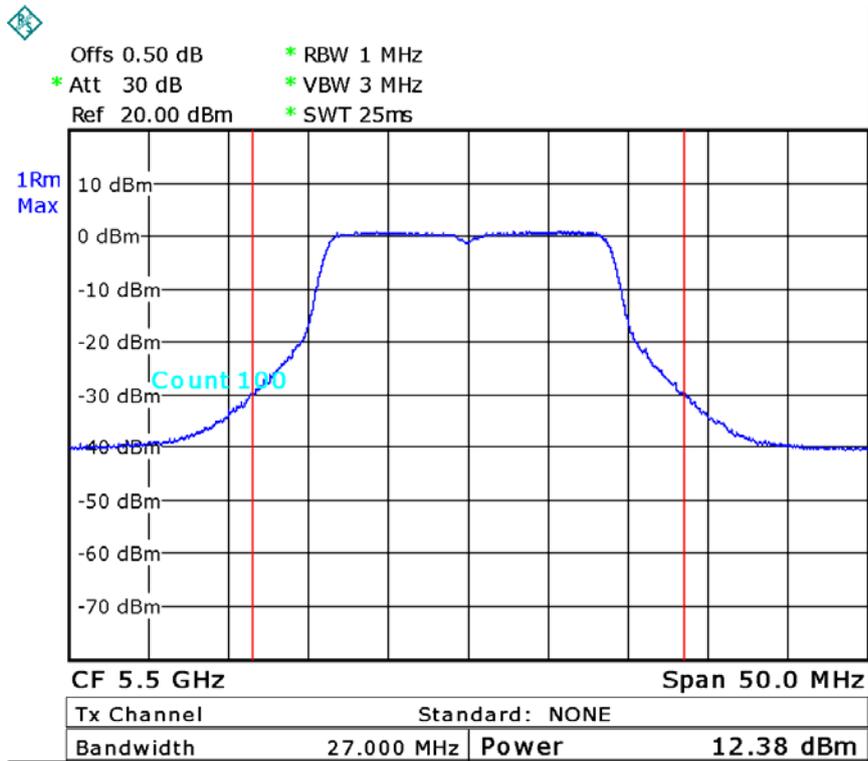


CH140-ANT 1



Date: 9.OCT.2012 18:54:57

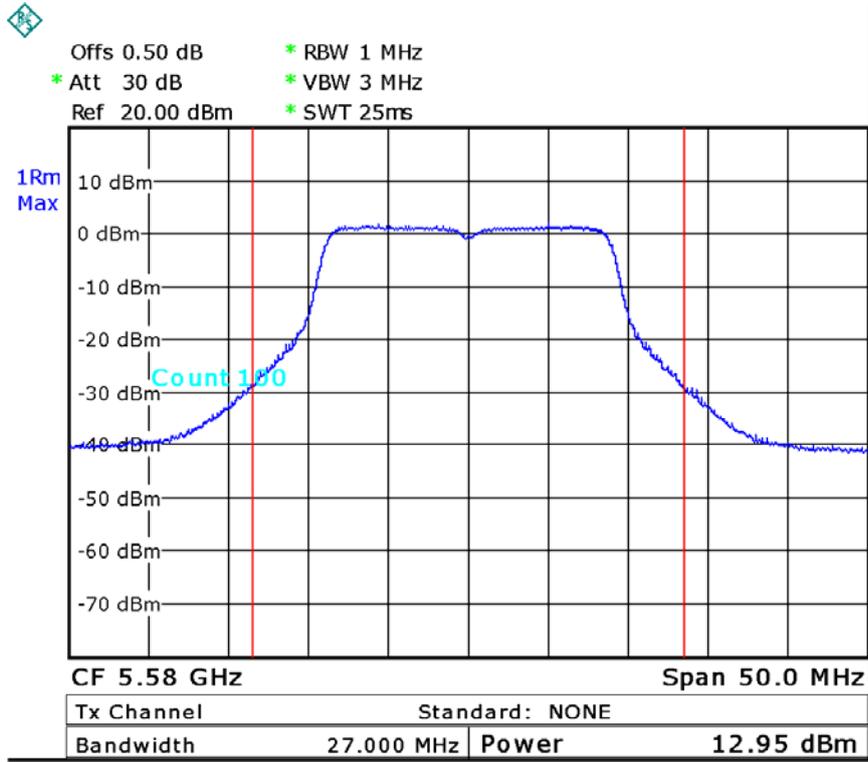
CH100-ANT 2



Date: 9.OCT.2012 18:43:31

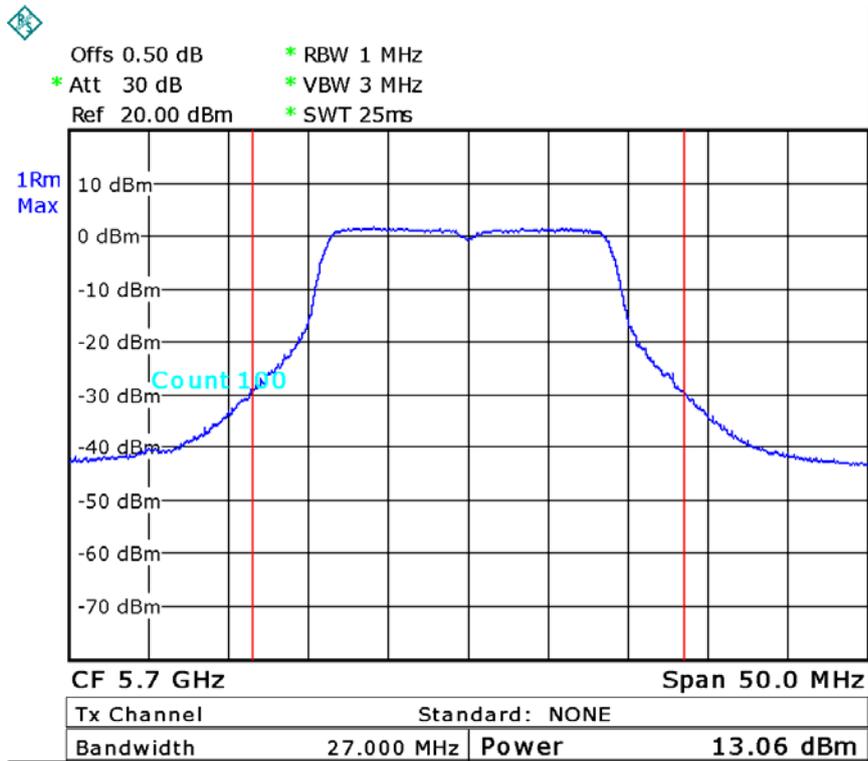


CH116-ANT 2



Date: 9.OCT.2012 18:50:33

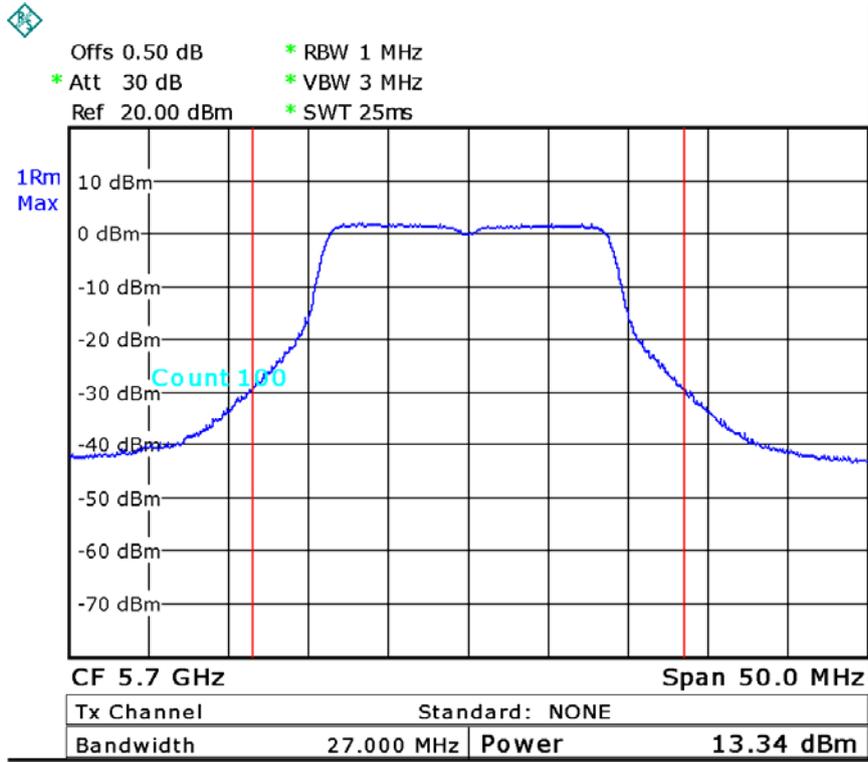
CH140-ANT 2



Date: 9.OCT.2012 18:54:08



CH140-ANT 3



Date: 9.OCT.2012 18:53:19



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110,CH134 - For 3TX		

ANT 1				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	10.52	24	0.251
CH110	5550	11.82	24	0.251
CH134	5670	12.13	24	0.251

ANT 2				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	10.55	24	0.251
CH110	5550	12.35	24	0.251
CH134	5670	12.26	24	0.251

ANT 3				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	10.81	24	0.251
CH110	5550	13.01	24	0.251
CH134	5670	14.11	24	0.251

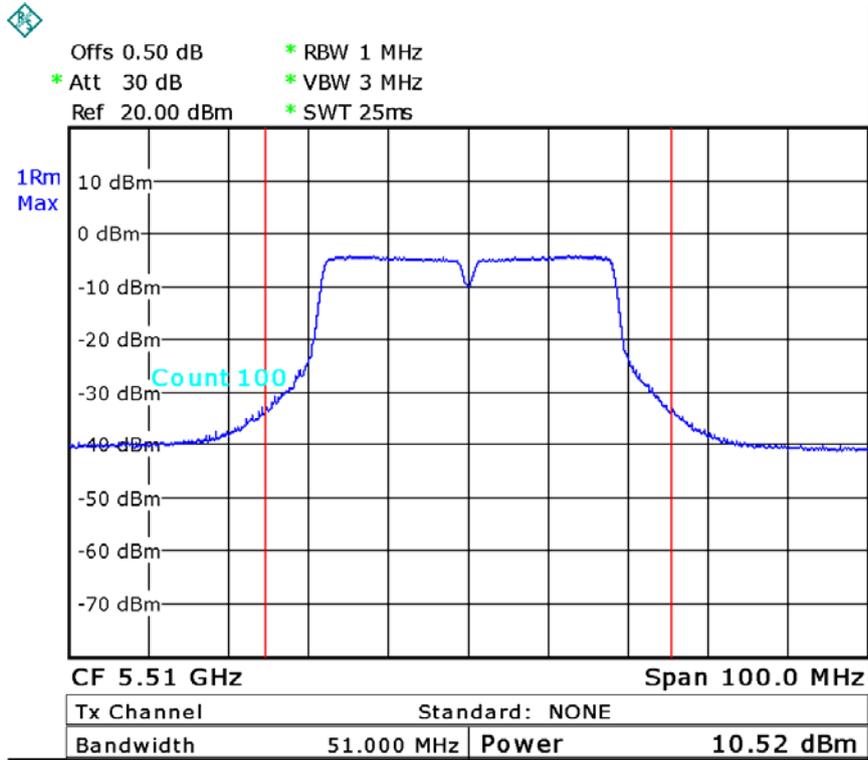
Total				
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	15.40	24	0.251
CH110	5550	17.19	24	0.251
CH134	5670	17.70	24	0.251

Remark :

- (1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) =
Combined peak output power in mW.**
- (2) **Antenna Gain 1=5.74 dBi**
- (3) **Note: This EUT supports MIMO, all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT}, that is Directional gain=5.74.**

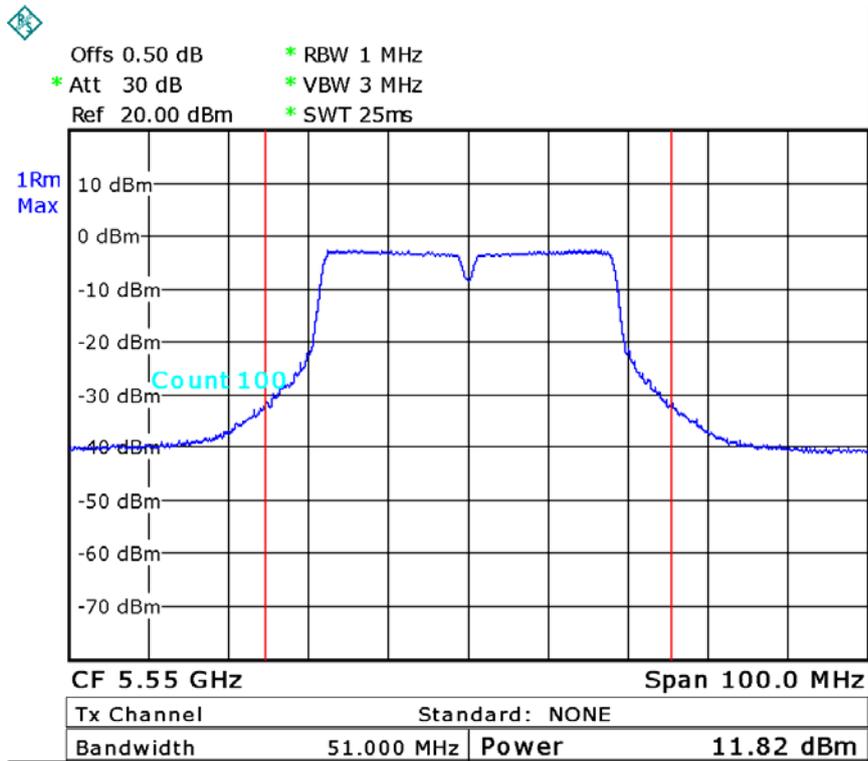


CH102-ANT 1



Date: 13.OCT.2012 13:33:32

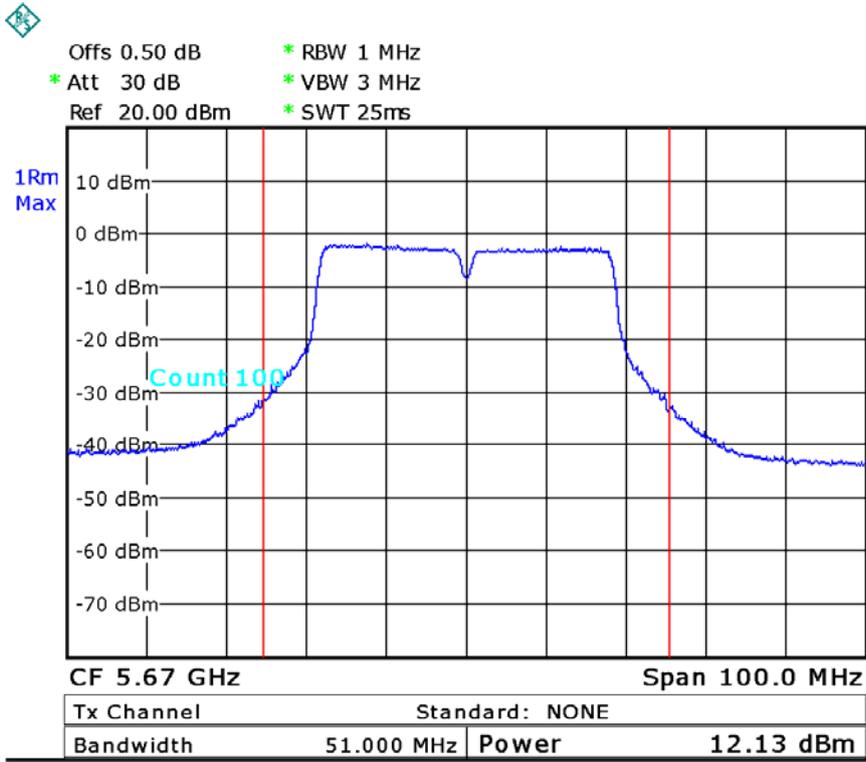
CH110-ANT 1



Date: 9.OCT.2012 19:24:46

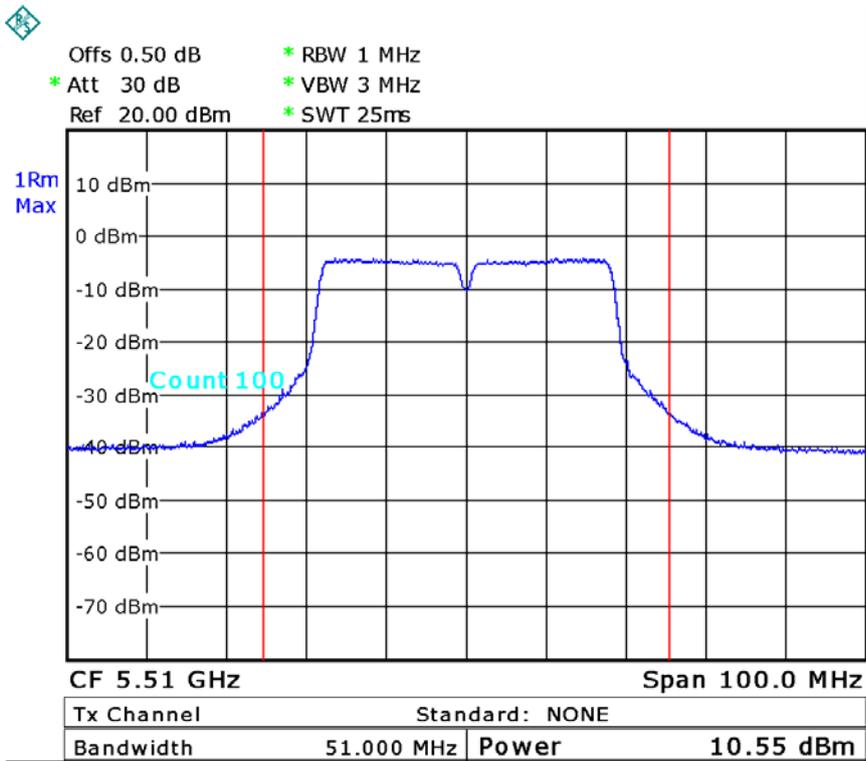


CH134-ANT 1



Date: 9.OCT.2012 19:30:11

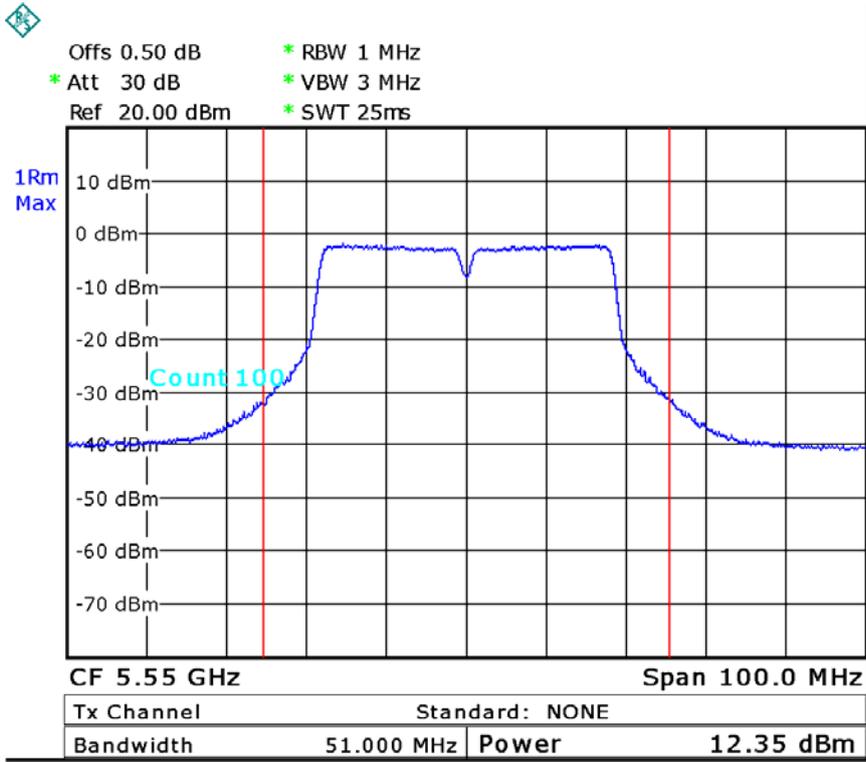
CH102-ANT 2



Date: 13.OCT.2012 13:34:39

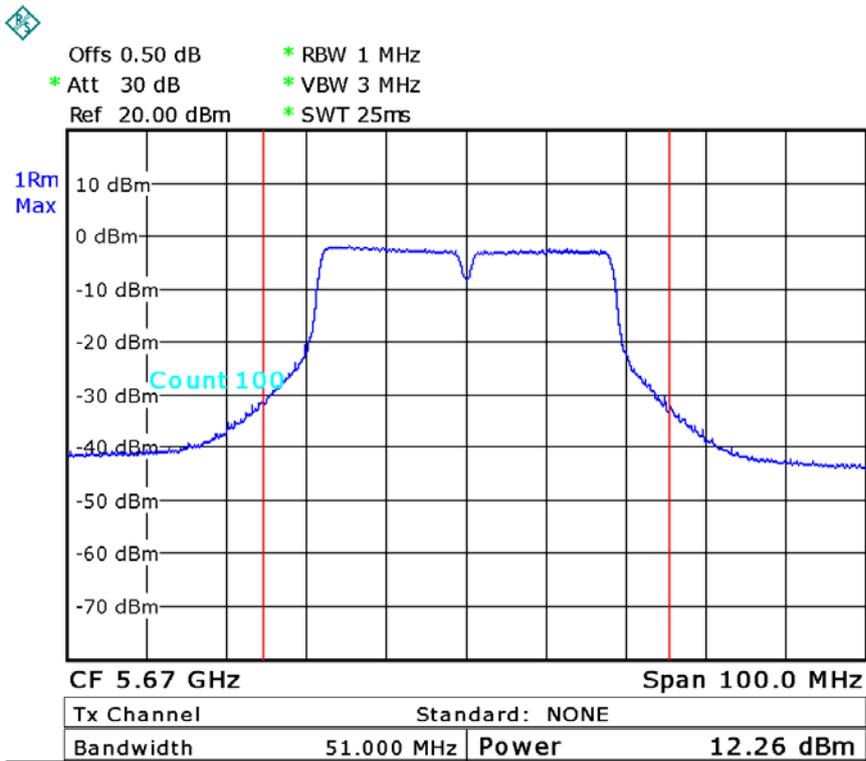


CH110-ANT 2



Date: 9.OCT.2012 19:24:38

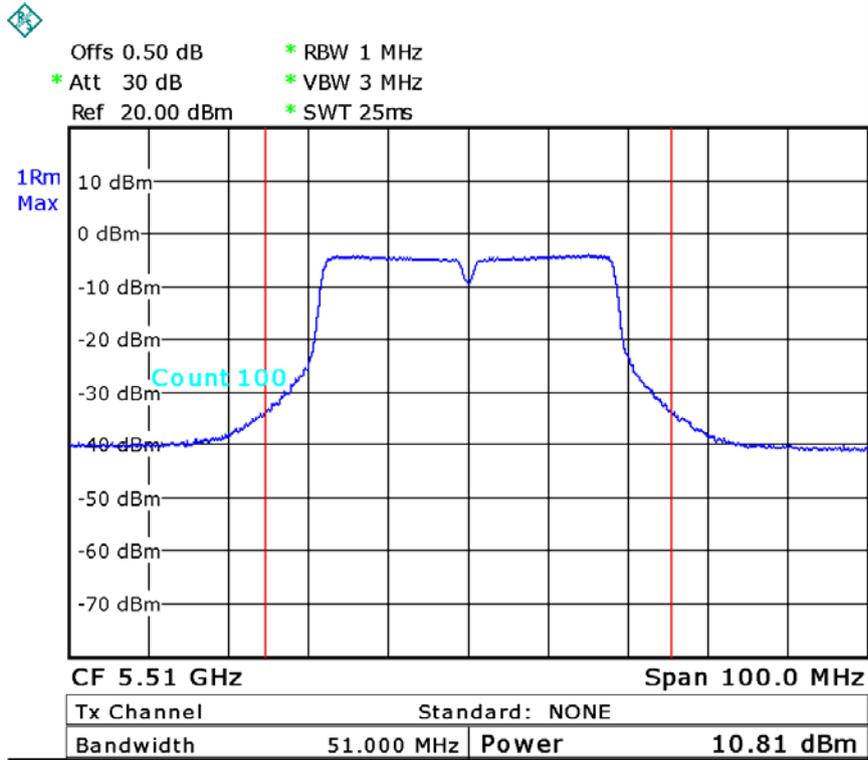
CH134-ANT 2



Date: 9.OCT.2012 19:30:22

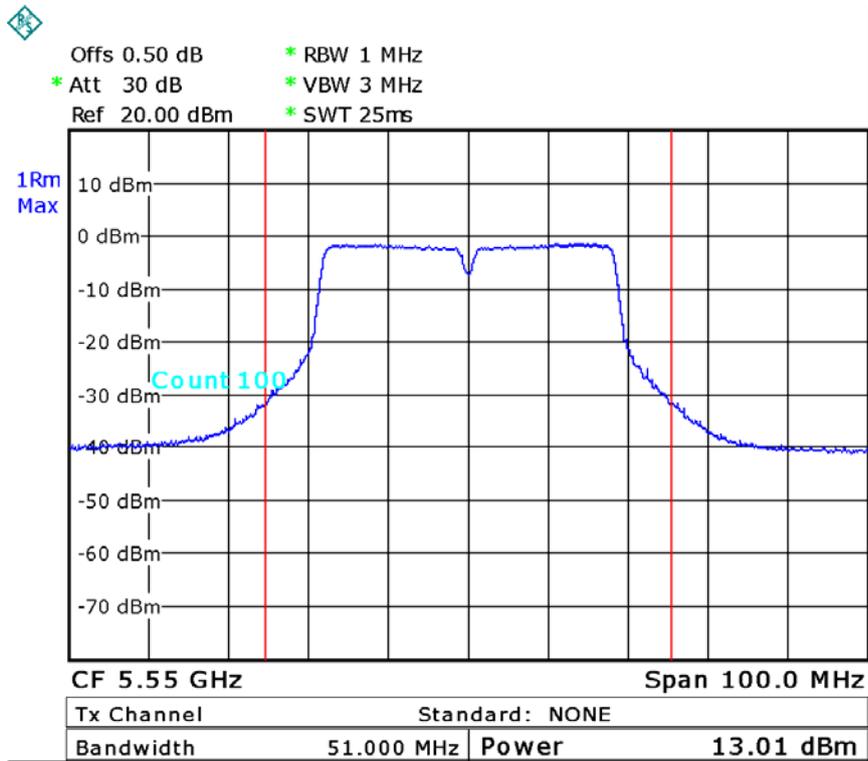


CH102-ANT 3



Date: 13.OCT.2012 13:36:18

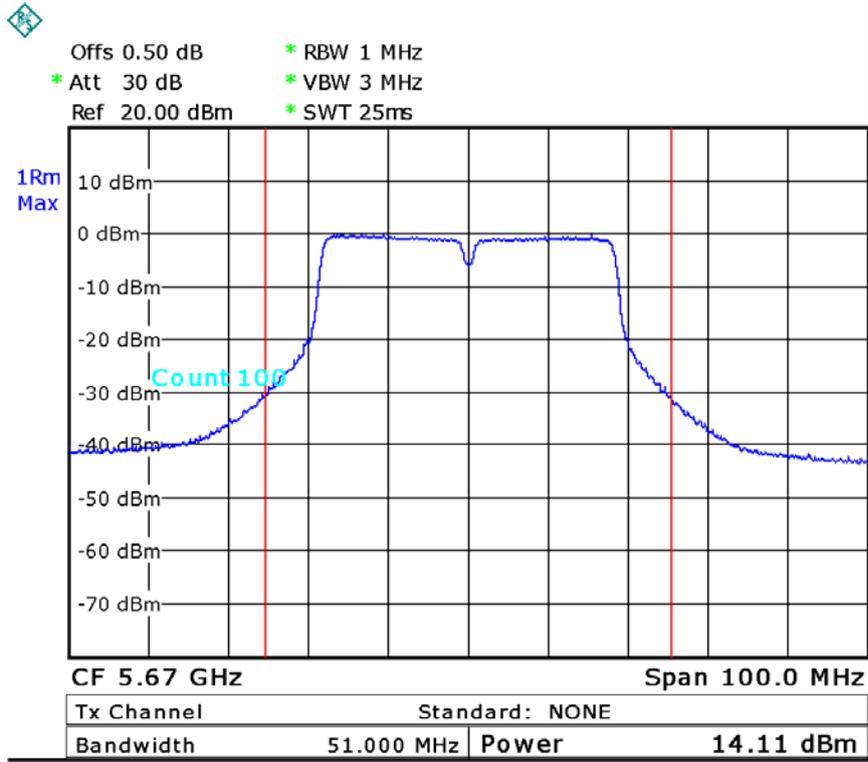
CH110-ANT 3



Date: 9.OCT.2012 19:25:47



CH134-ANT 3



Date: 9.OCT.2012 19:27:55



7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27 dBm/1MHz	5150 - 5250	PASS

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Next Calibration
1	Spectrum Analyzer	R&S	FSP_40	100129	Nov.26.2011	Nov.26.2012

Remark: "N/A" denotes no model name, serial no. or calibration specified.
 All calibration period of Equipment List is One Year.

7.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

Spectrum Parameter	Setting
Attenuation	Auto
RB	1000 kHz
VB	1000 kHz
Trace	Max Hold
Sweep Time	Auto

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP



7.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.



7.1.6 TEST RESULTS

EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 °C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48 – ANT 2 For 1TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-35.25	5399.60	-38.47
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			



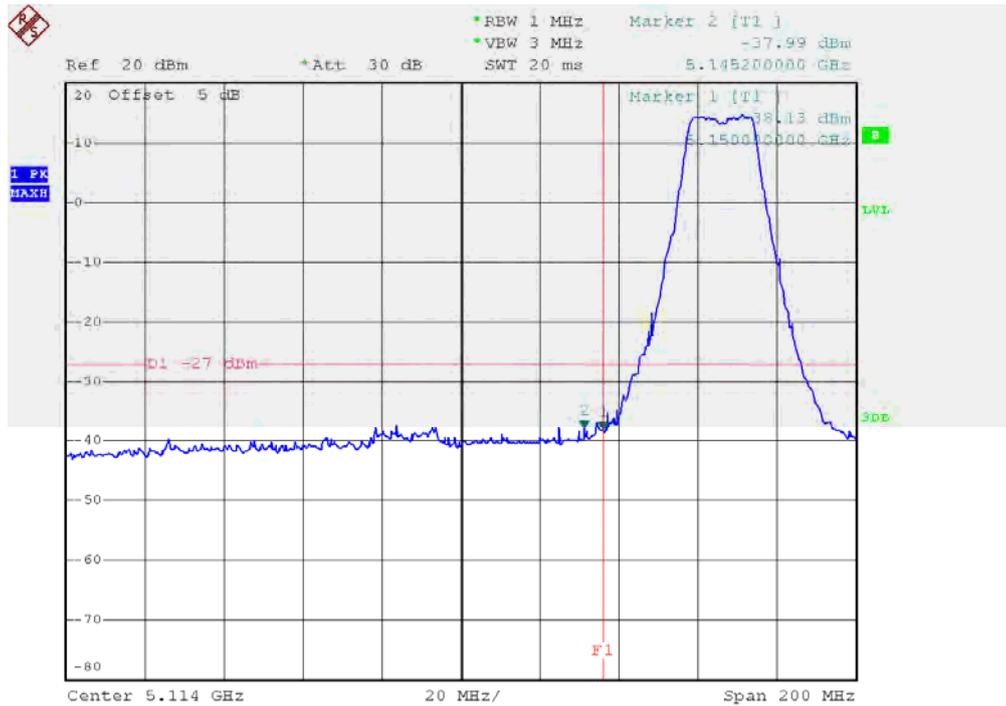
Neutron Engineering Inc.

EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ H36, CH40 , CH48 – ANT 2 For 1TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5145.20	-37.99	5360.80	-39.96
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

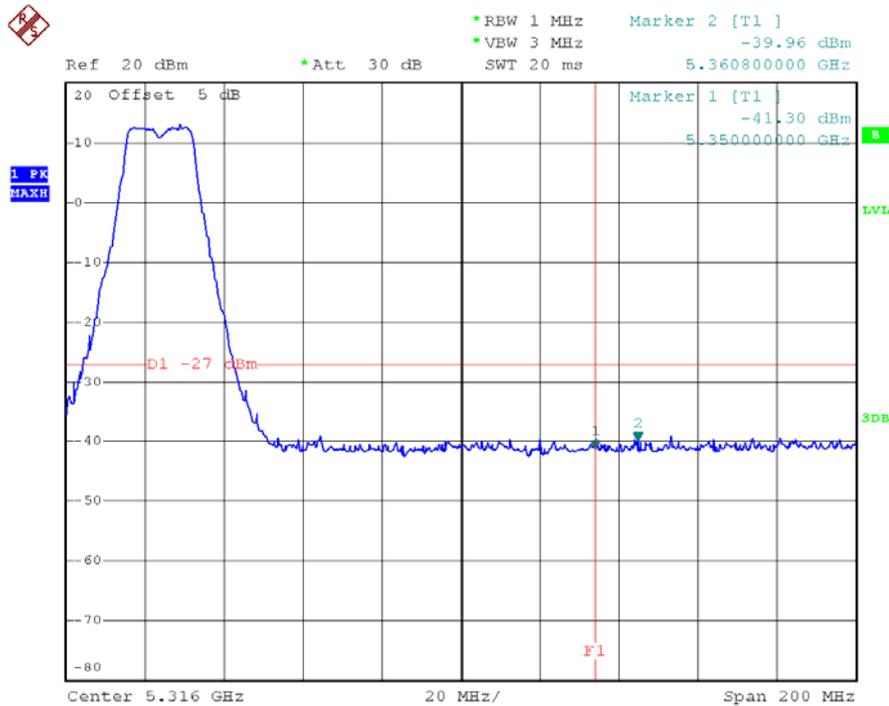


TX mode CH36



Date: 12.OCT.2012 00:22:05

TX mode CH48



Date: 12.OCT.2012 00:17:05

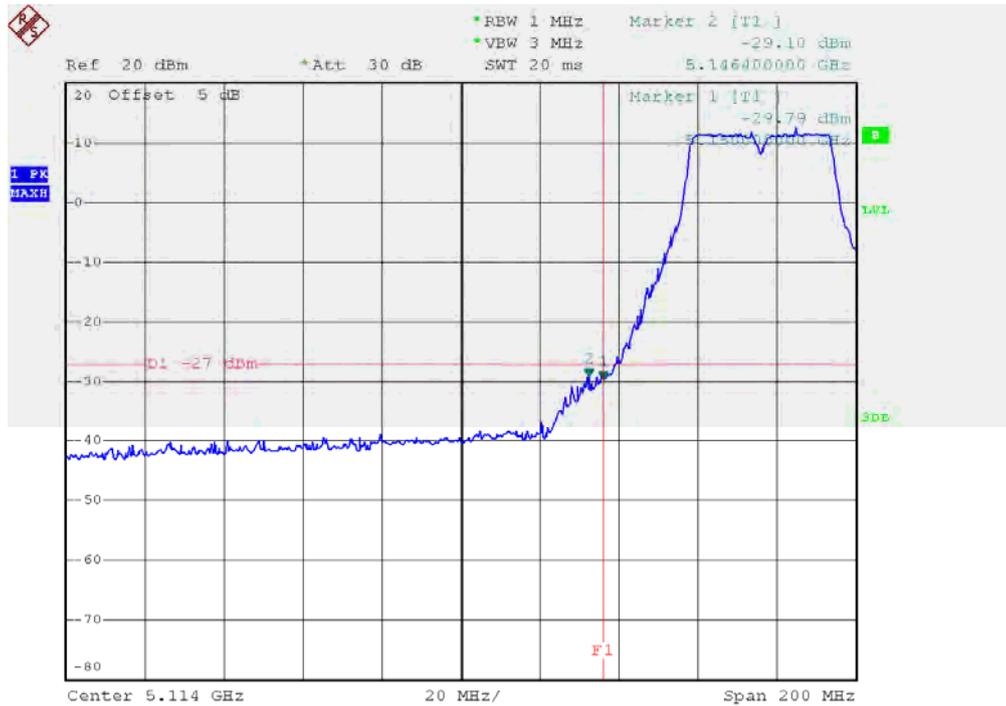


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46 – ANT 2 For 1TX		

Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5146.40	-29.10	5360.00	-39.08
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

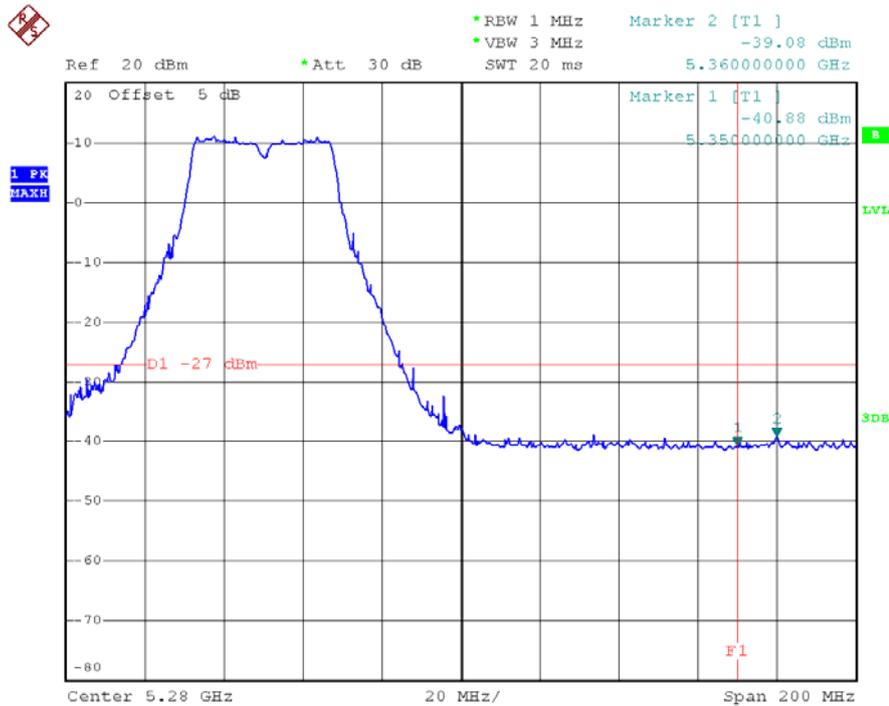


TX mode CH38



Date: 12.OCT.2012 00:27:49

TX mode CH46



Date: 12.OCT.2012 00:35:08



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/ CH52, CH56 , CH60 – ANT 2 For 1TX		

Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5144.40	-39.39	5360.40	-39.29
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/ CH52, CH56 , CH64 – ANT 2 For 1TX		

Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5131.60	-38.58	5464.40	-38.65
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

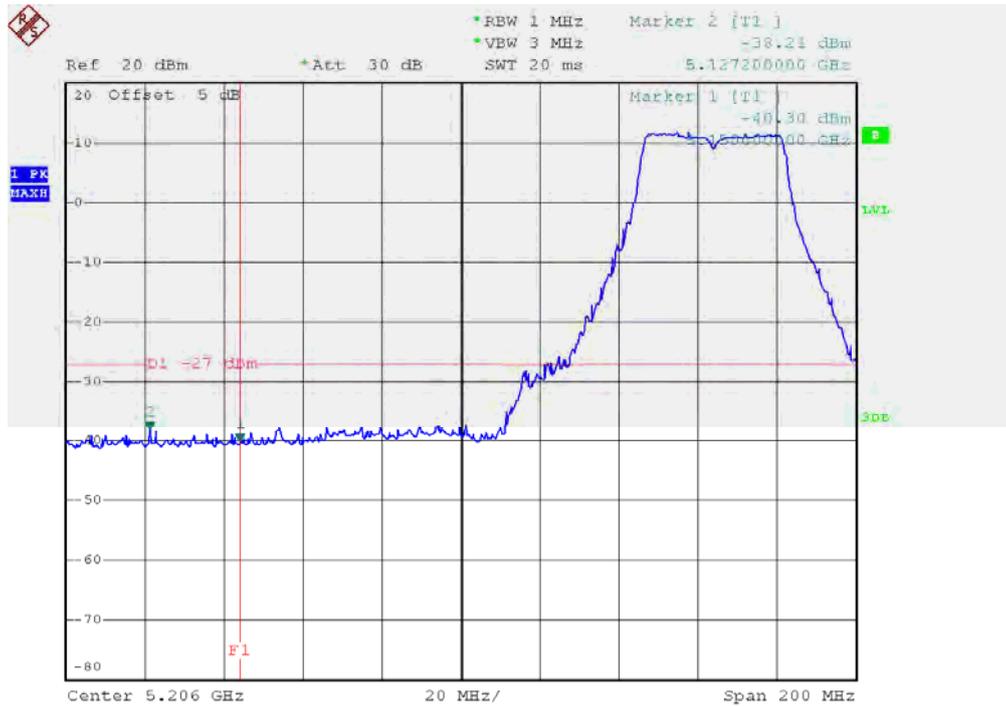


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/ CH54, CH62 – ANT 2 For 1TX		

Channel of Worst Data: CH54			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5127.20	-38.21	5350.00	-33.07
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

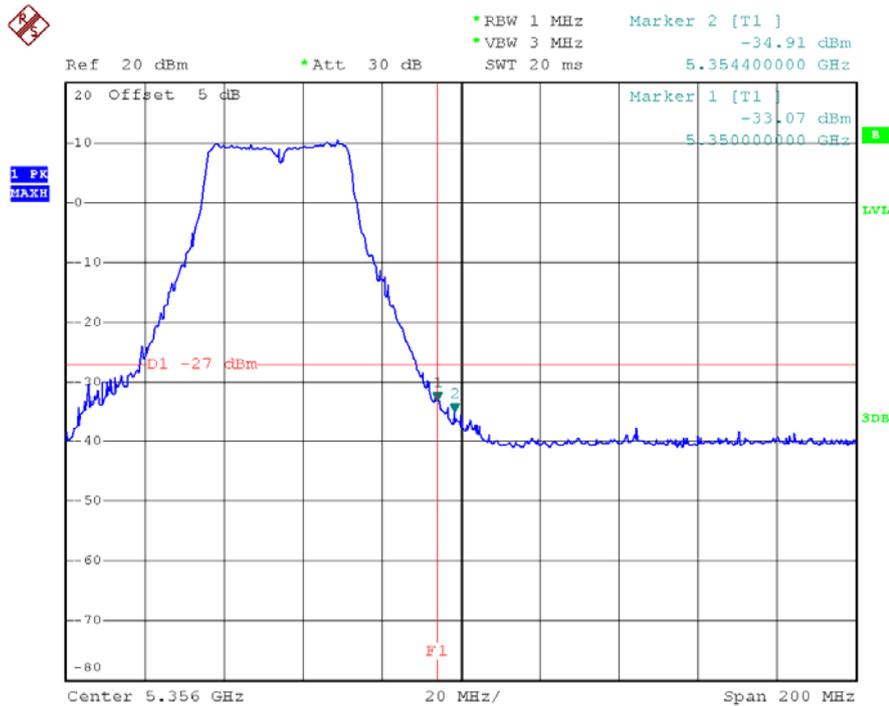


TX mode CH54



Date: 12.OCT.2012 00:39:44

TX mode CH62



Date: 12.OCT.2012 00:31:27

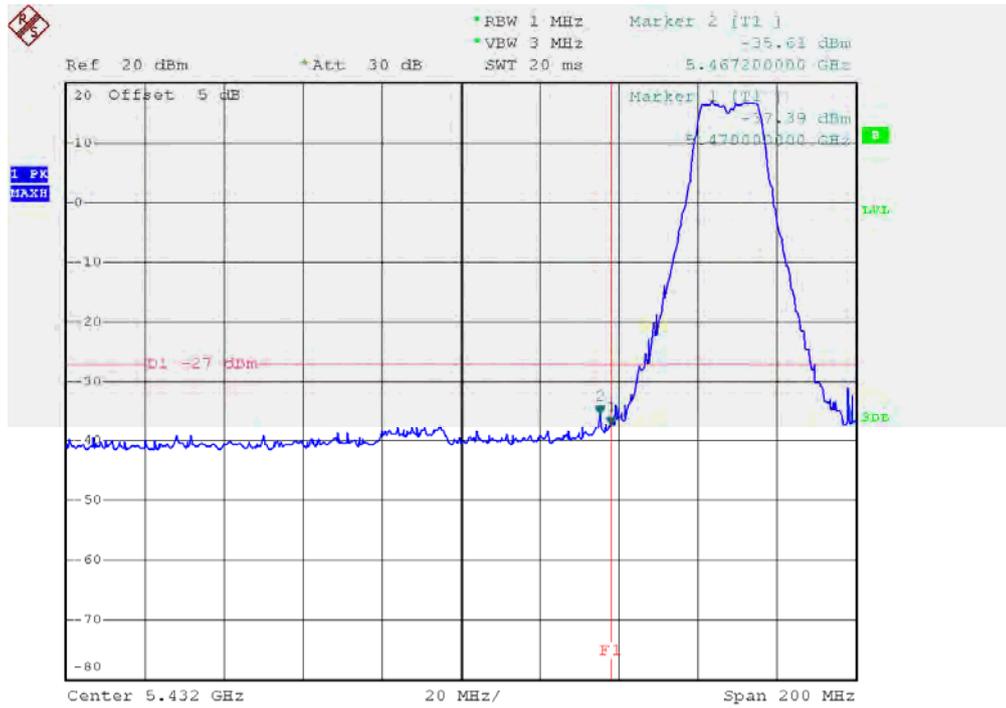


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/ CH100, CH116 , CH140 – ANT 2 For 1TX		

Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5467.20	-35.61	5725.00	-32.45
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

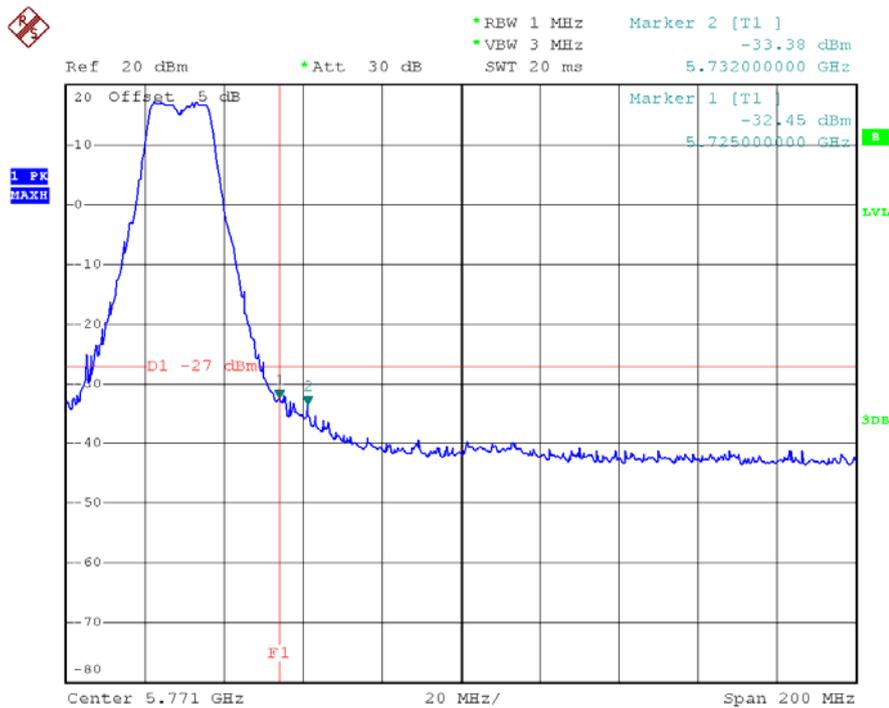


TX mode CH100



Date: 12.OCT.2012 00:06:24

TX mode CH140



Date: 12.OCT.2012 00:08:12

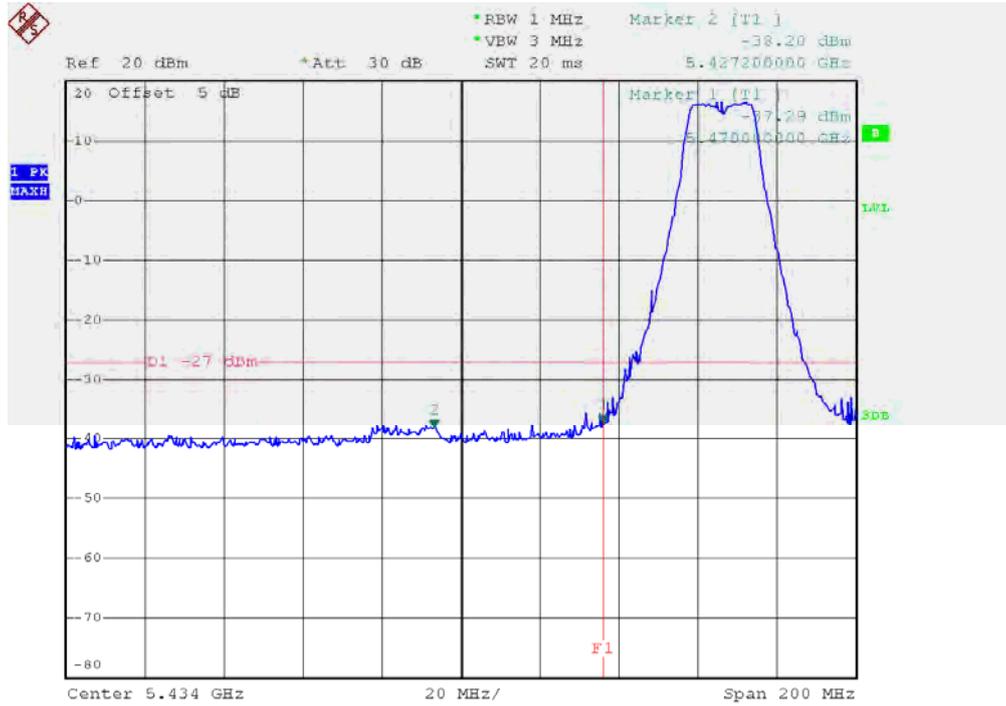


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/ CH100, CH116 , CH140 – ANT 2 For 1TX		

Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-37.29	5725.00	-31.14
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

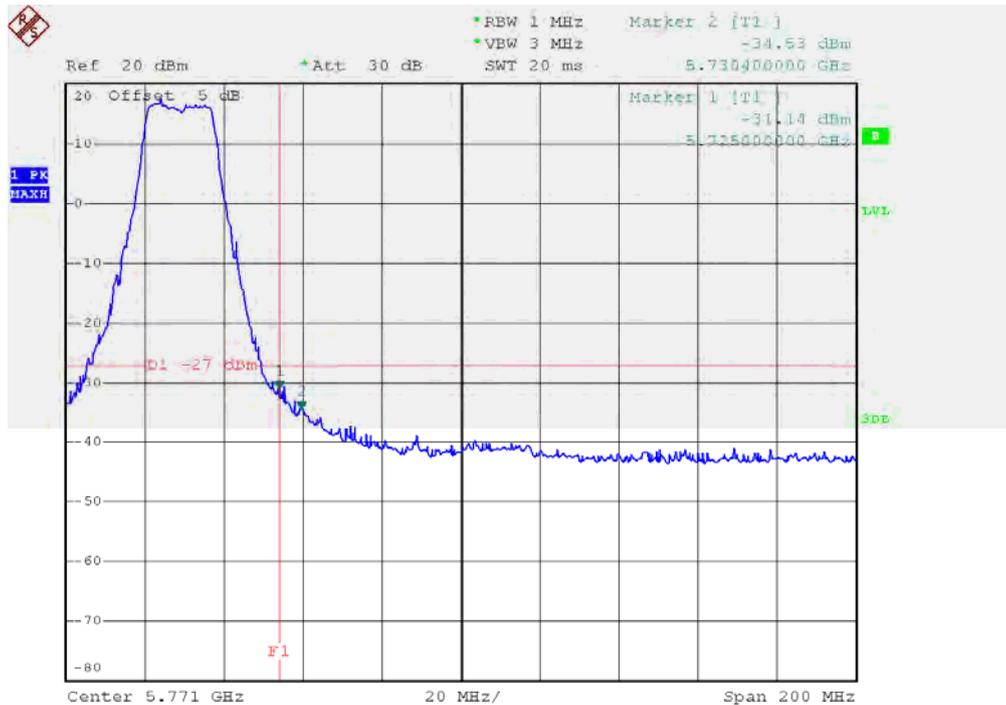


TX mode CH100



Date: 12.OCT.2012 00:12:42

TX mode CH140



Date: 12.OCT.2012 00:09:45



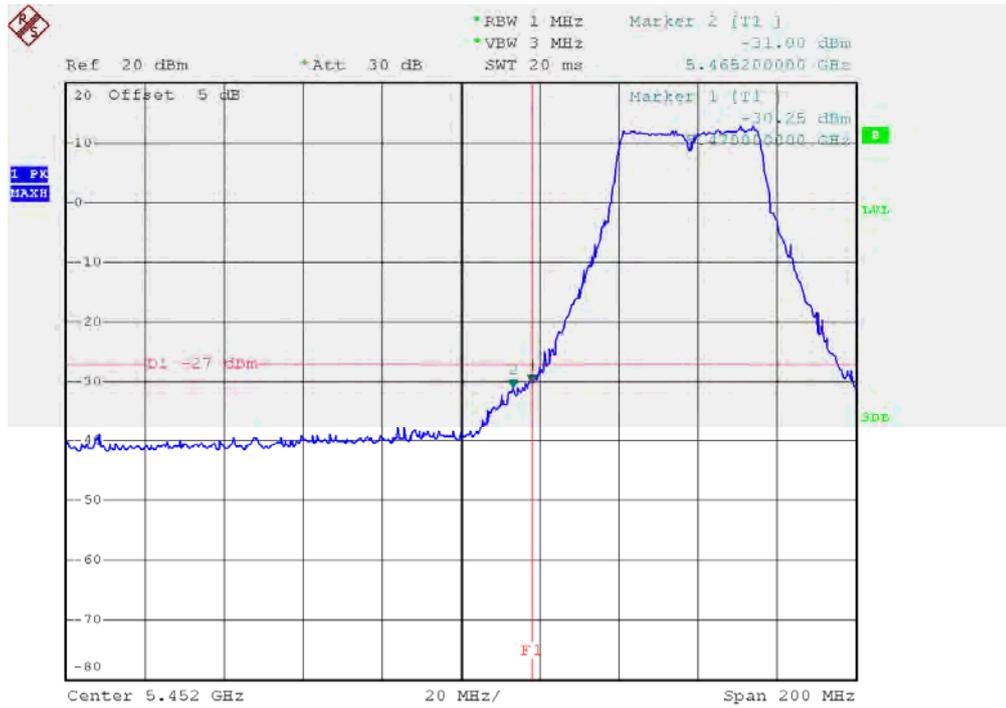
Neutron Engineering Inc.

EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/ CH102, CH110,CH134 – ANT 2 For 1TX		

Channel of Worst Data: CH102			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-30.25	5725.00	-36.00
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

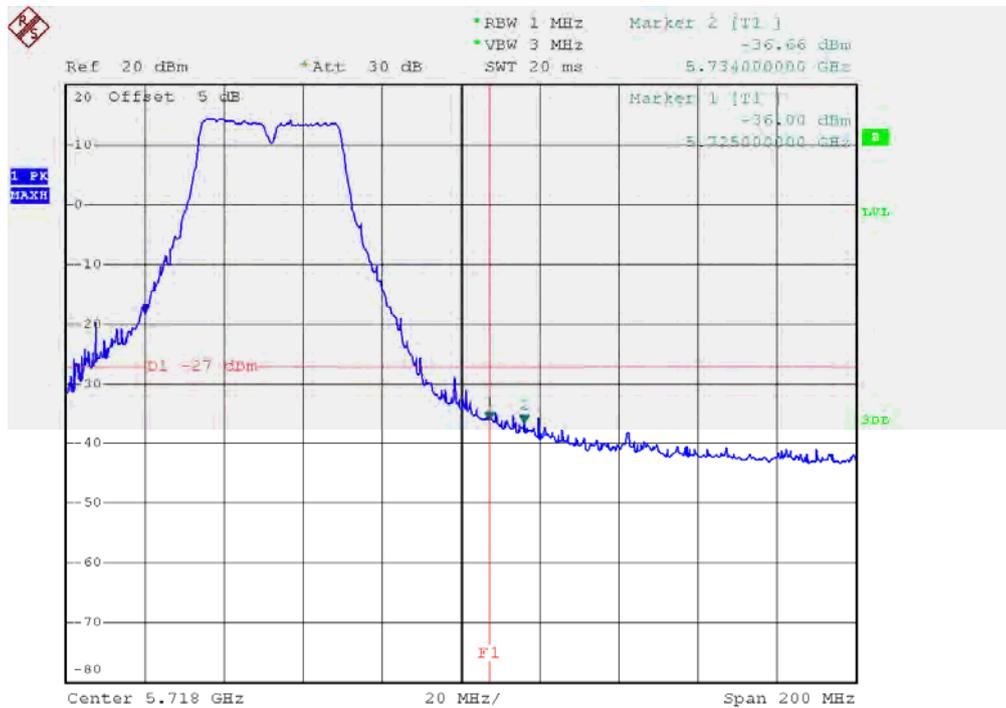


TX mode CH102



Date: 12.OCT.2012 00:45:26

TX mode CH134



Date: 12.OCT.2012 00:49:54



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48 – ANT 1 For 2TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-44.98	5352.80	-42.61
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

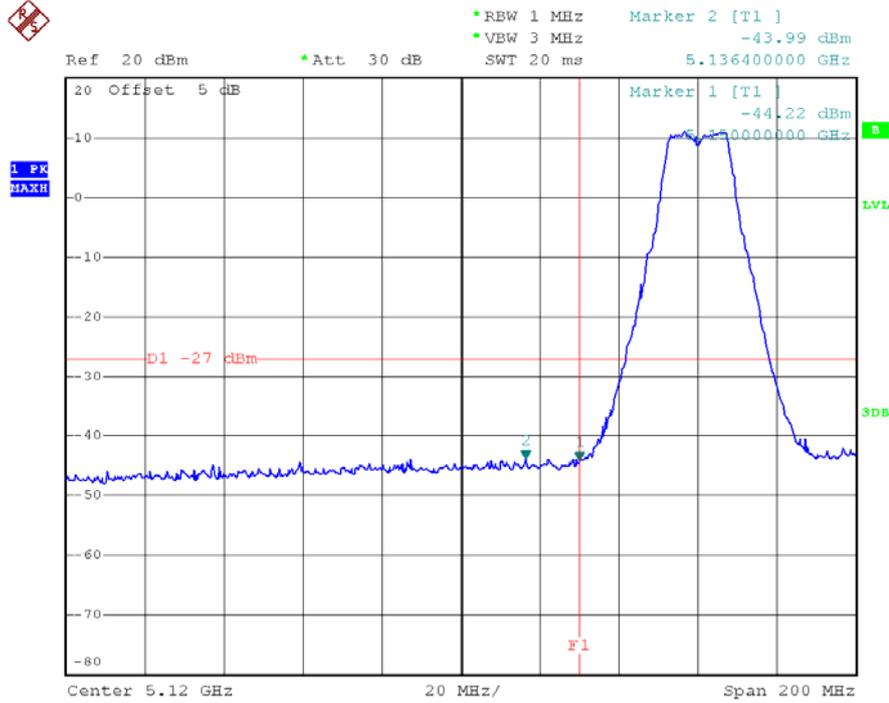


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48 – ANT 2 For 2TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5136.40	-43.99	5352.80	-40.79
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

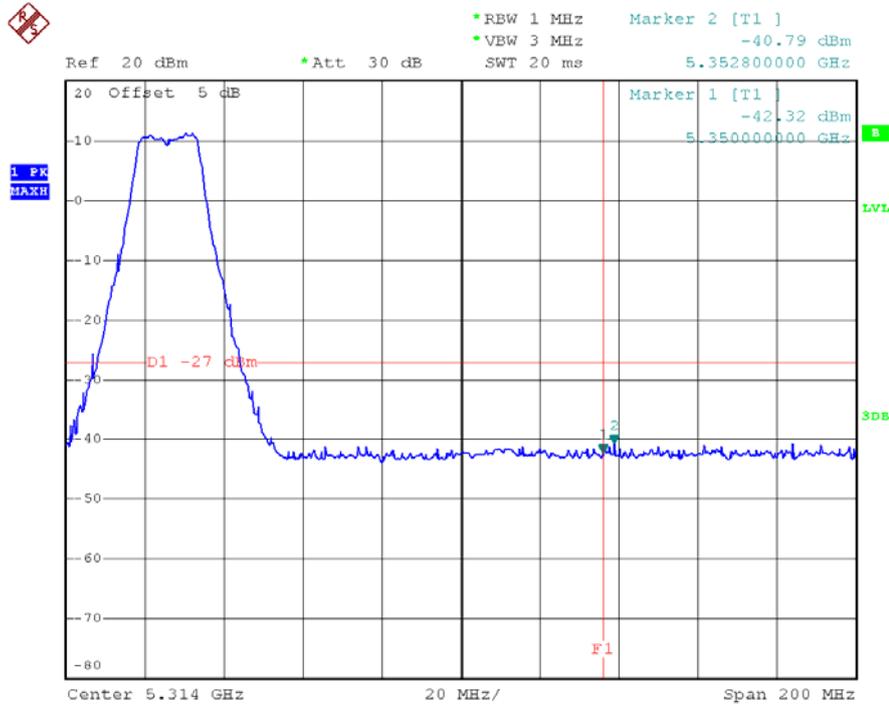


TX mode CH36



Date: 12.OCT.2012 01:58:18

TX mode CH48



Date: 12.OCT.2012 01:56:29

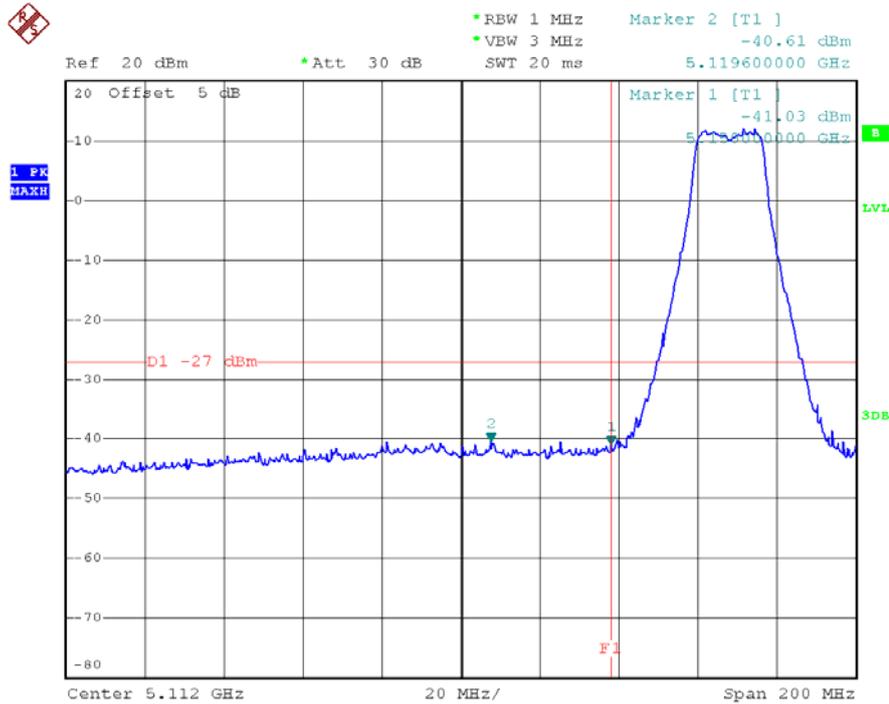


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ H36, CH40 , CH48 – ANT 1 For 2TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5119.60	-40.61	5350.00	-42.18
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

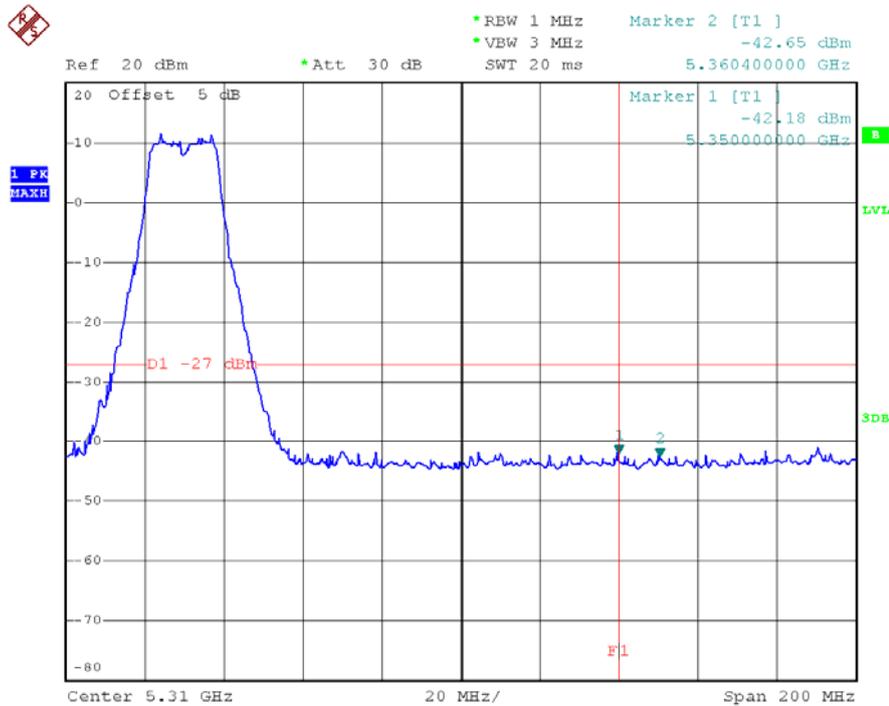


TX mode CH36



Date: 12.OCT.2012 01:29:18

TX mode CH48



Date: 12.OCT.2012 01:32:55

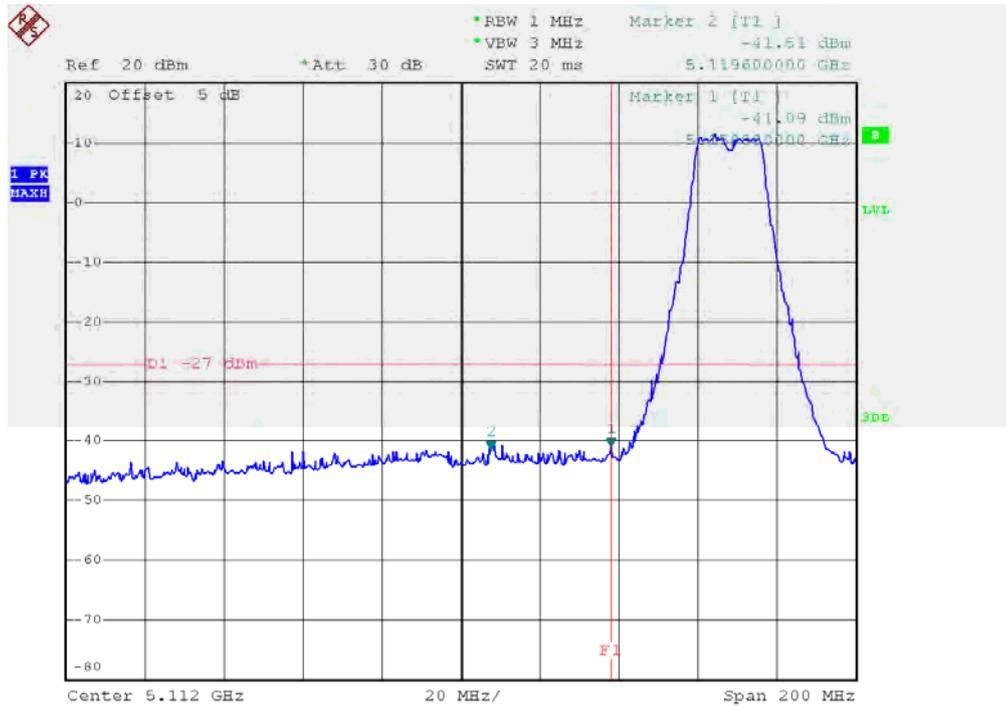


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ H36, CH40 , CH48 – ANT 2 For 2TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-41.09	5356.40	-42.71
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

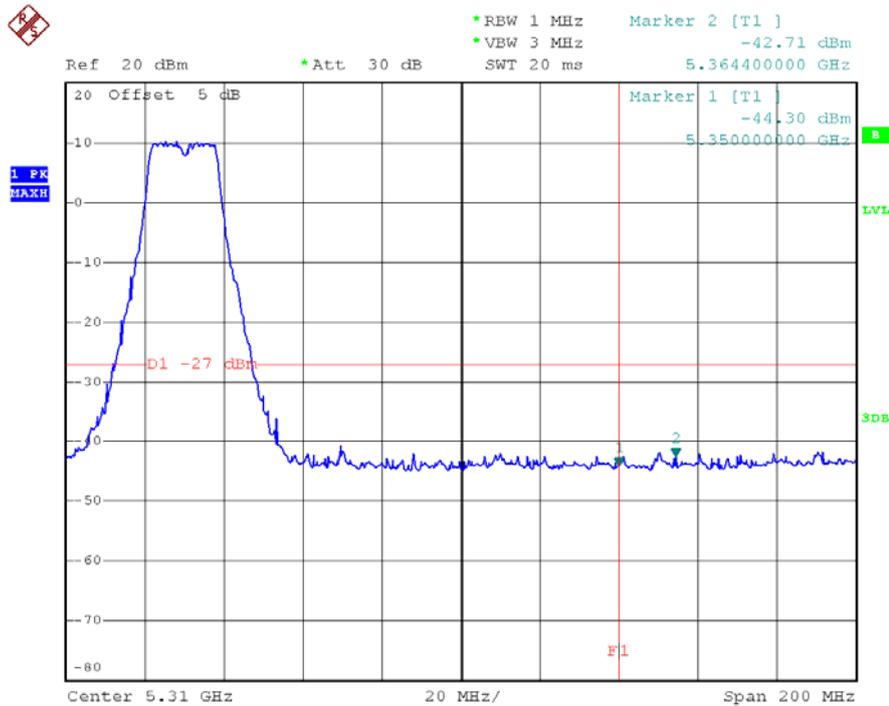


TX mode CH36



Date: 12.OCT.2012 01:29:23

TX mode CH48



Date: 12.OCT.2012 01:33:07

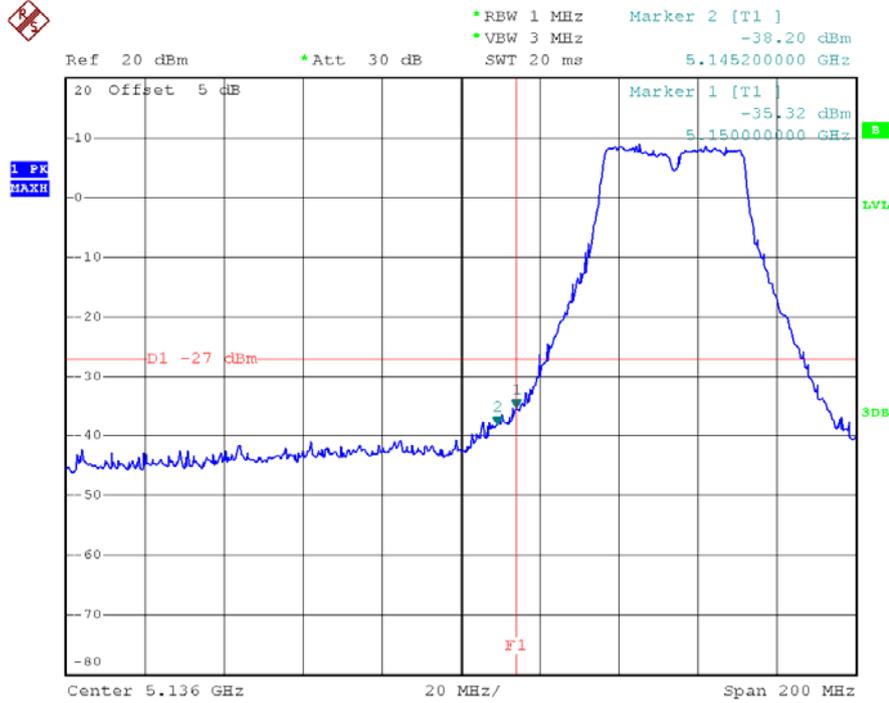


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46 – ANT 1 For 2TX		

Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-35.32	5359.60	-42.66
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

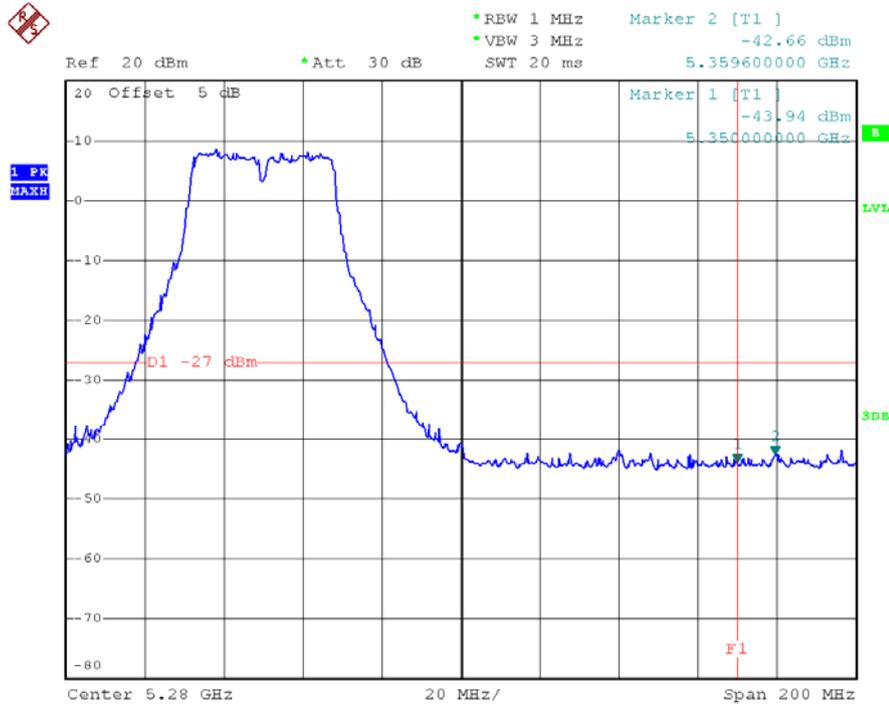


TX mode CH38



Date: 12.OCT.2012 01:24:13

TX mode CH46



Date: 12.OCT.2012 01:19:07



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46 – ANT 2 For 2TX		

Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5147.60	-34.54	5360.40	-40.97
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

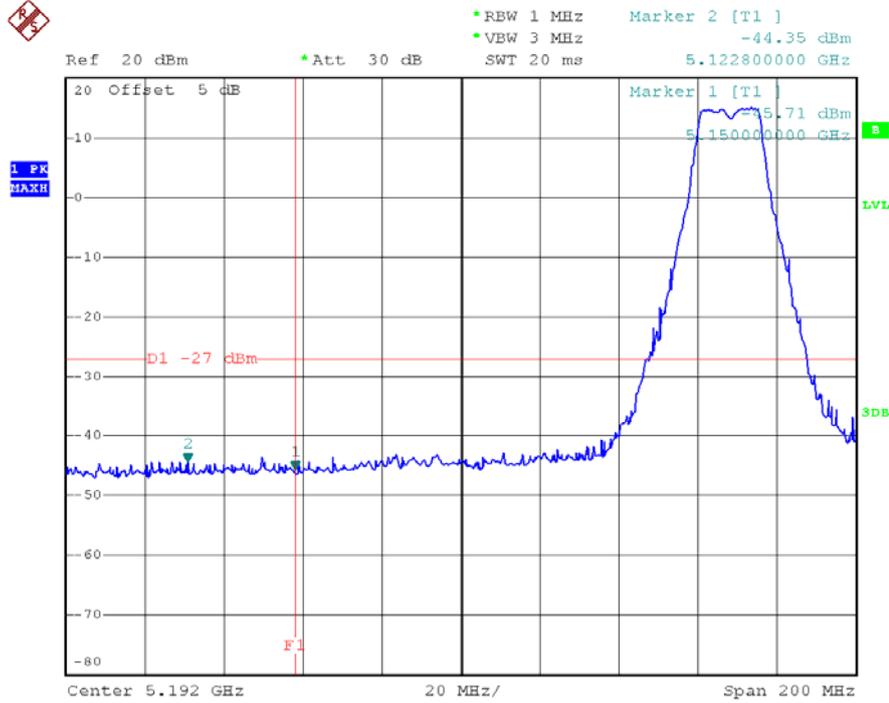


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/ CH52, CH56 , CH60 – ANT 1 For 2TX		

Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5122.80	-44.35	5350.00	-35.27
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

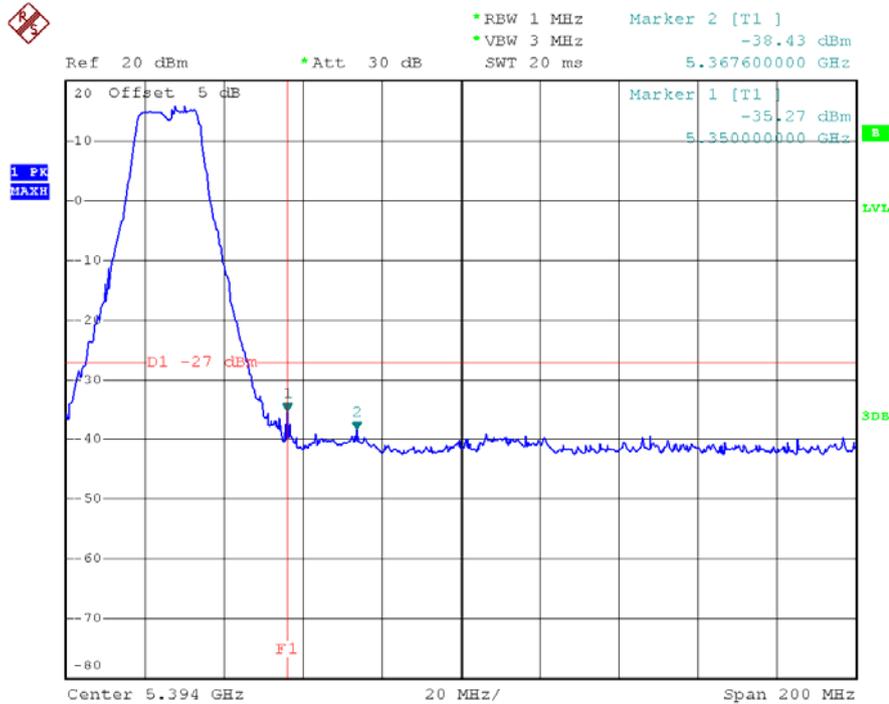


TX mode CH52



Date: 12.OCT.2012 01:53:25

TX mode CH64



Date: 12.OCT.2012 01:52:00



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/ CH52, CH56 , CH60 – ANT 2 For 2TX		

Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5122.80	-45.96	5350.00	-40.69
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/ CH52, CH56 , CH64 – ANT 1 For 2TX		

Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5120.00	-40.22	5360.40	-40.93
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/ CH52, CH56 , CH64 – ANT 2 For 2TX		

Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5120.00	-39.53	5350.00	-40.18
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

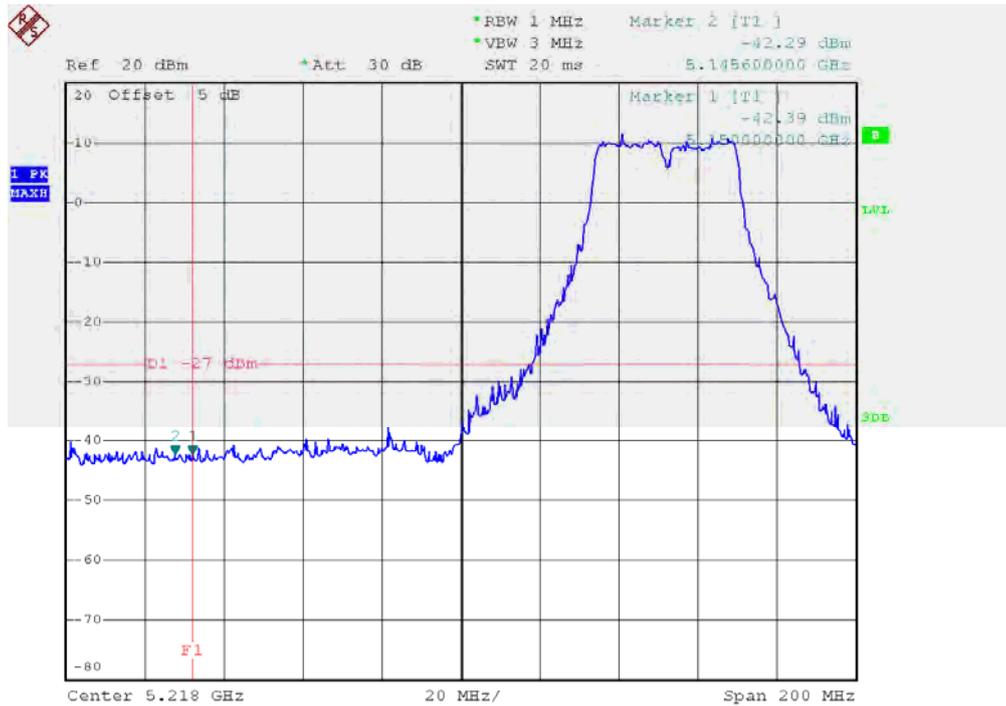


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/ CH54, CH62 – ANT 1 For 2TX		

Channel of Worst Data: CH54			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5145.60	-42.29	5350.00	-34.17
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

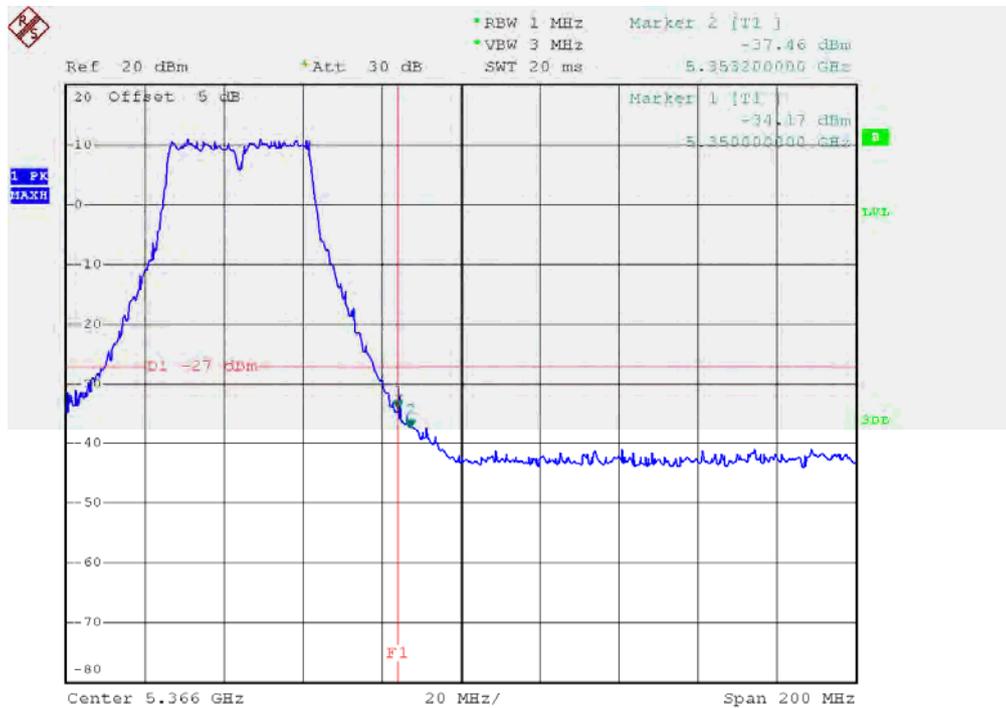


TX mode CH54



Date: 12.OCT.2012 01:14:35

TX mode CH62



Date: 12.OCT.2012 01:09:55

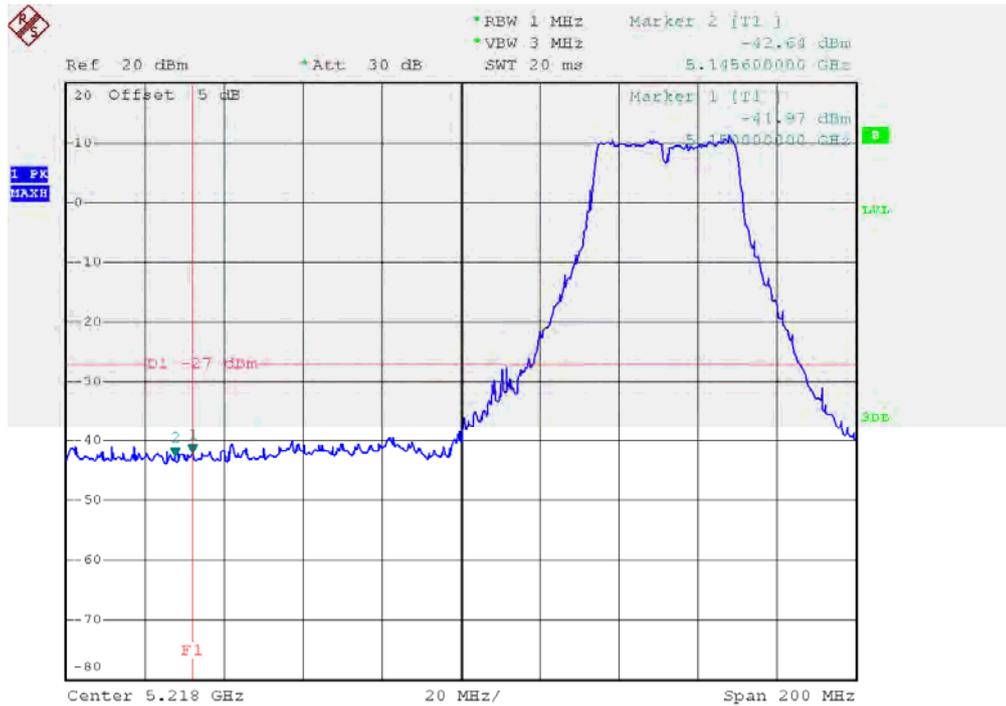


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/ CH54, CH62 – ANT 2 For 2TX		

Channel of Worst Data: CH54			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-41.97	5350.00	-33.99
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

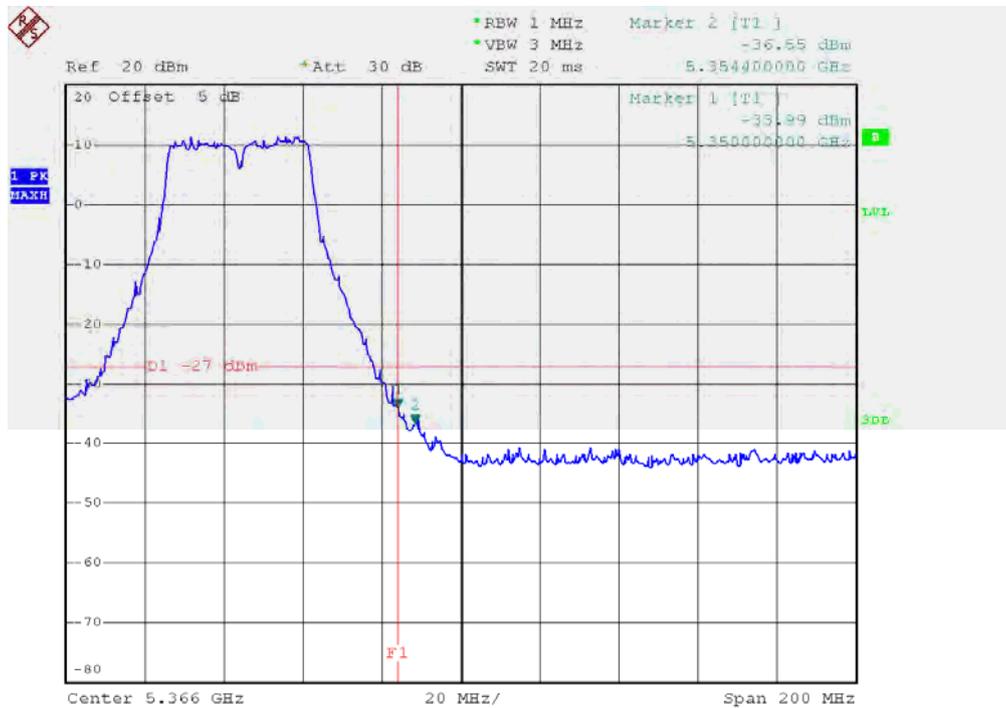


TX mode CH54



Date: 12.OCT.2012 01:14:41

TX mode CH62



Date: 12.OCT.2012 01:10:02

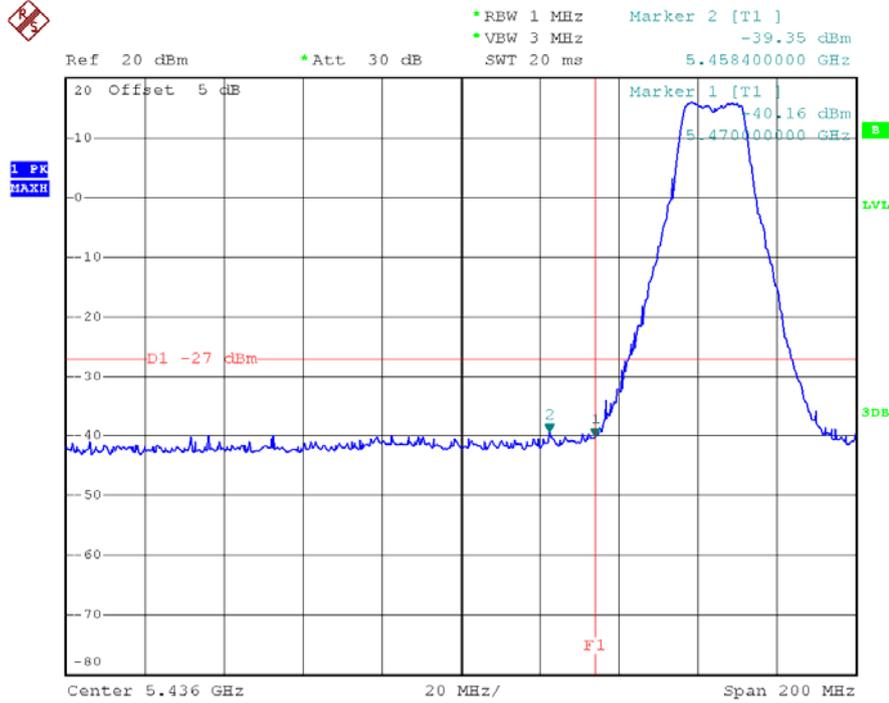


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/ CH100, CH116 , CH140 – ANT 1 For 2TX		

Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5458.40	-39.35	5725.00	-37.18
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

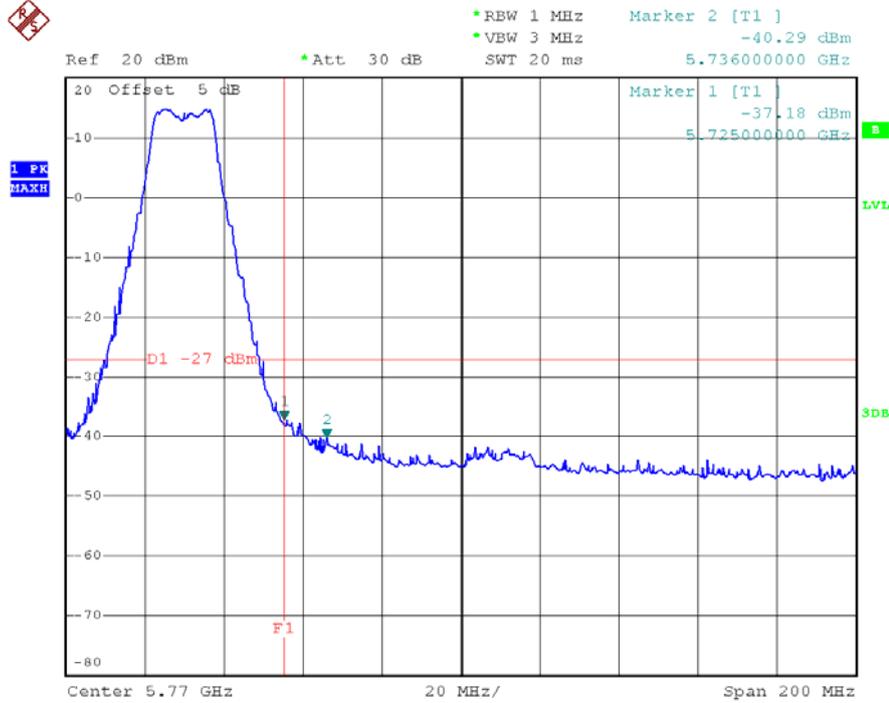


TX mode CH100



Date: 12.OCT.2012 01:50:38

TX mode CH140



Date: 12.OCT.2012 01:48:21



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/ CH100, CH116 , CH140 – ANT 2 For 2TX		

Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-40.69	5725.00	-36.01
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

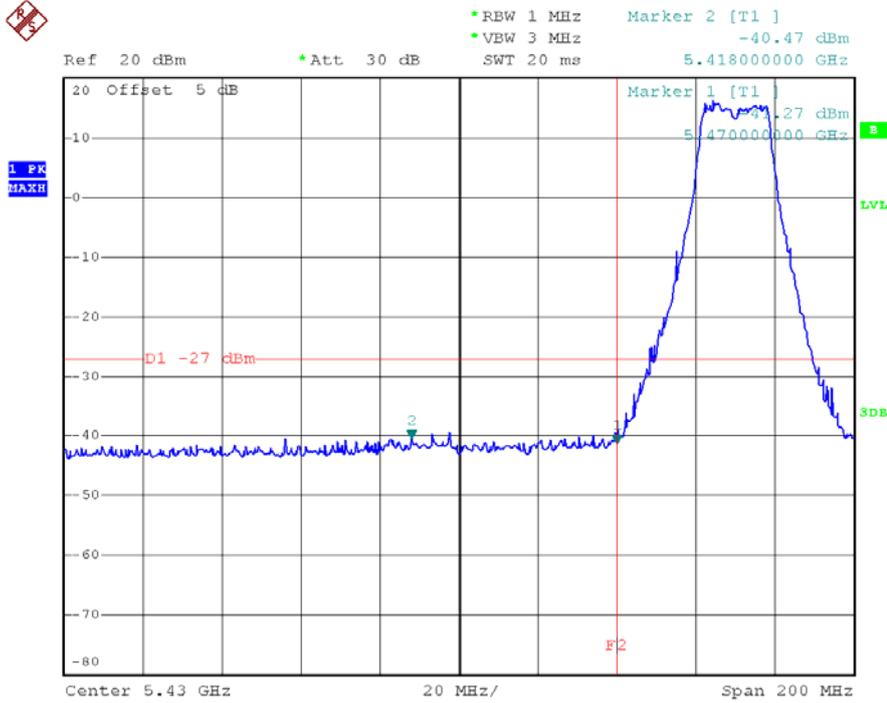


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/ CH100, CH116 , CH140 – ANT 1 For 2TX		

Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5418.00	-40.47	5725.00	-35.05
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

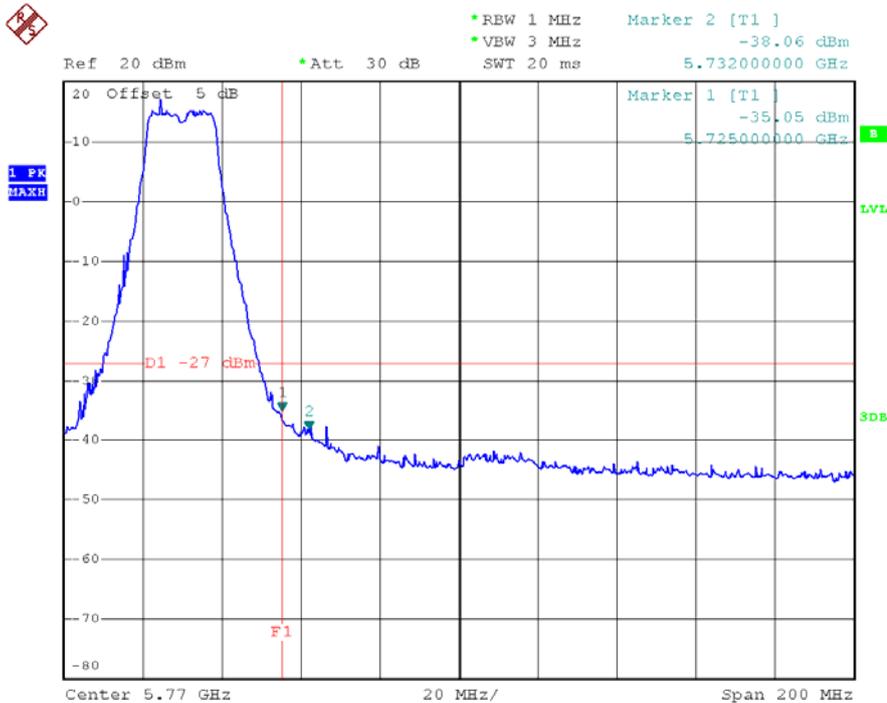


TX mode CH100



Date: 12.OCT.2012 01:42:38

TX mode CH140



Date: 12.OCT.2012 01:45:13



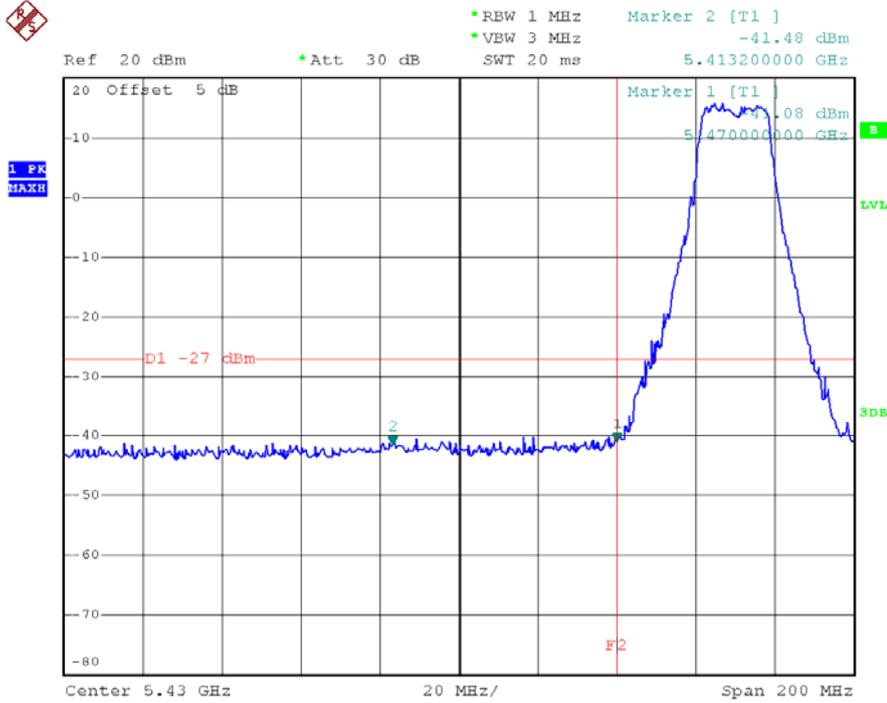
Neutron Engineering Inc.

EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/ CH100, CH116 , CH140 – ANT 2 For 2TX		

Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-41.08	5725.00	-35.64
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

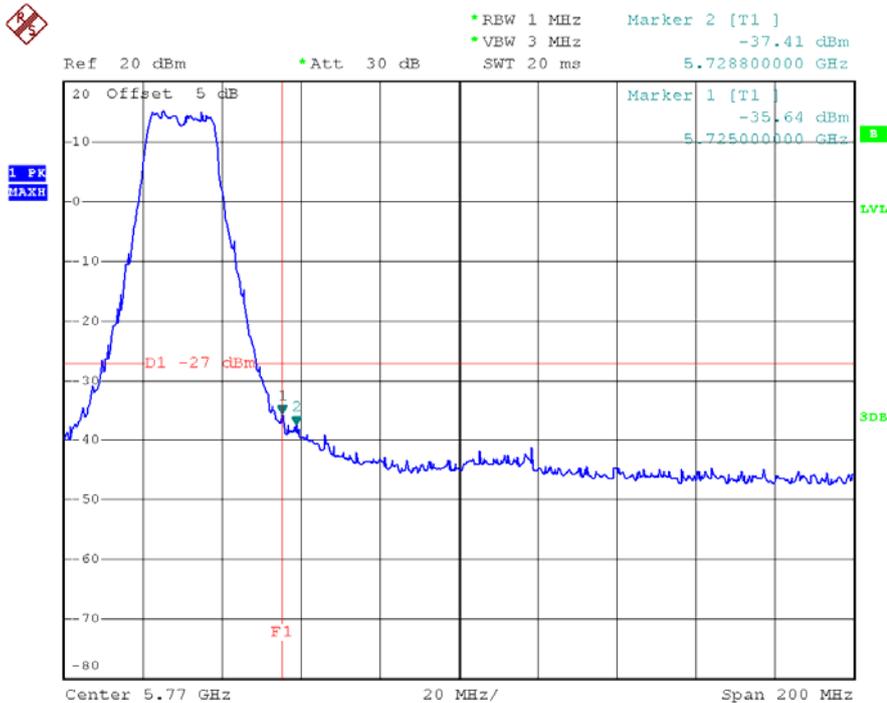


TX mode CH100



Date: 12.OCT.2012 01:42:30

TX mode CH140



Date: 12.OCT.2012 01:45:21



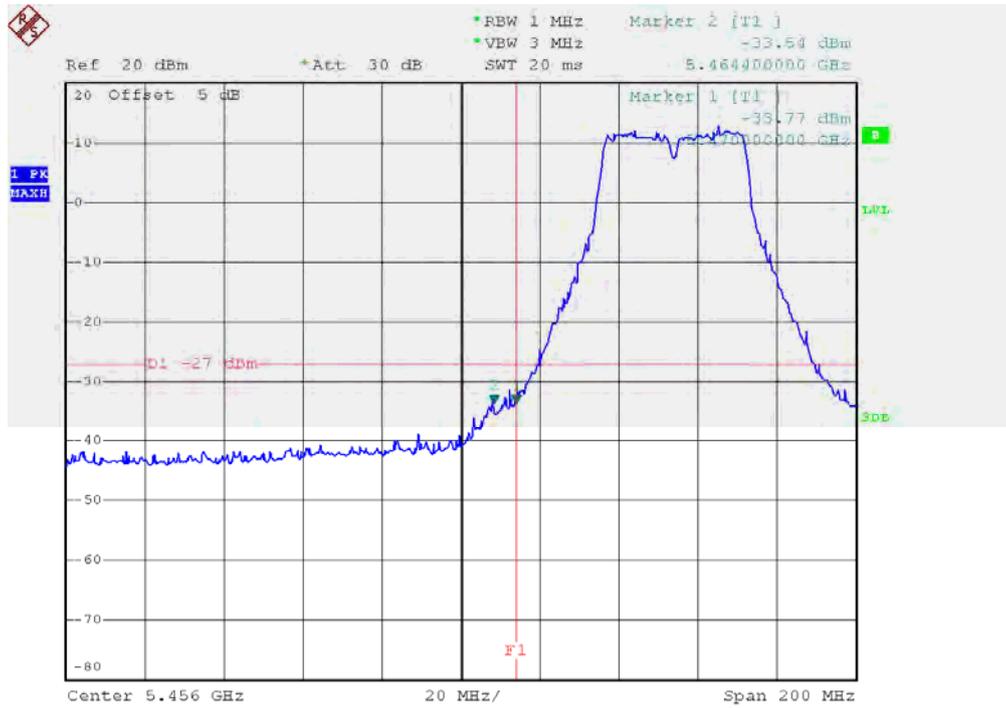
Neutron Engineering Inc.

EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/ CH102, CH110,CH134 – ANT 1 For 2TX		

Channel of Worst Data: CH102			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5764.40	-33.54	5725.00	-36.57
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

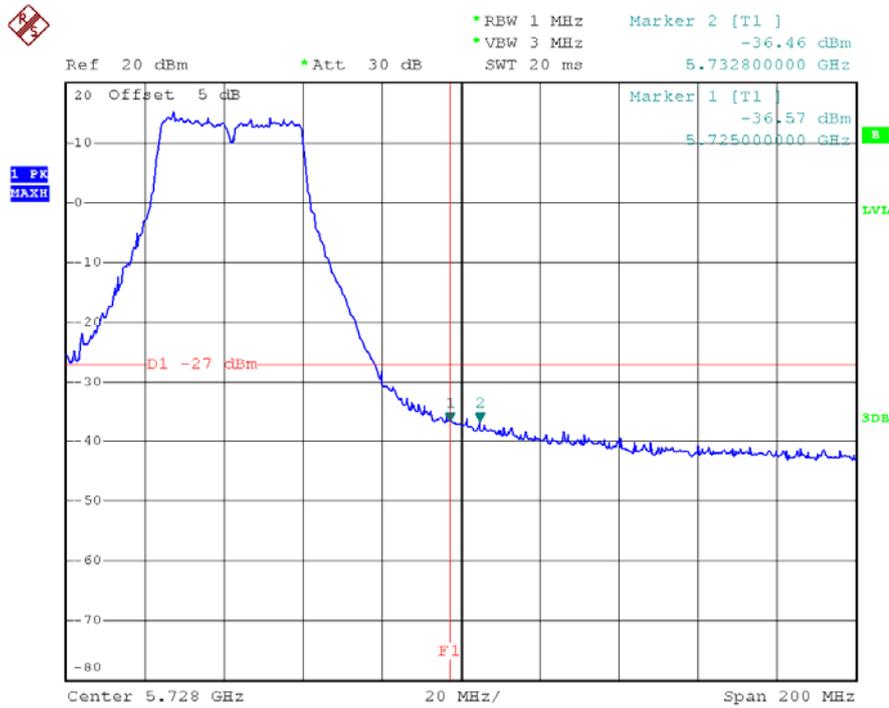


TX mode CH102



Date: 12.OCT.2012 01:04:14

TX mode CH134



Date: 12.OCT.2012 00:57:53



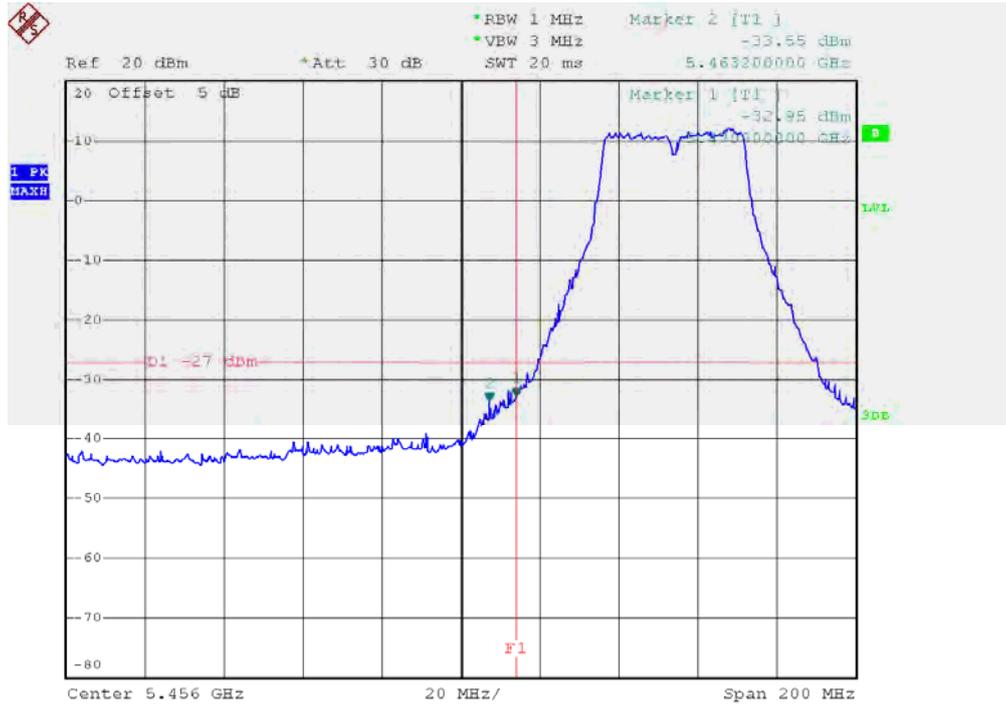
Neutron Engineering Inc.

EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/ CH102, CH110,CH134 – ANT 2 For 2TX		

Channel of Worst Data: CH102			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-32.95	5734.00	-38.53
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

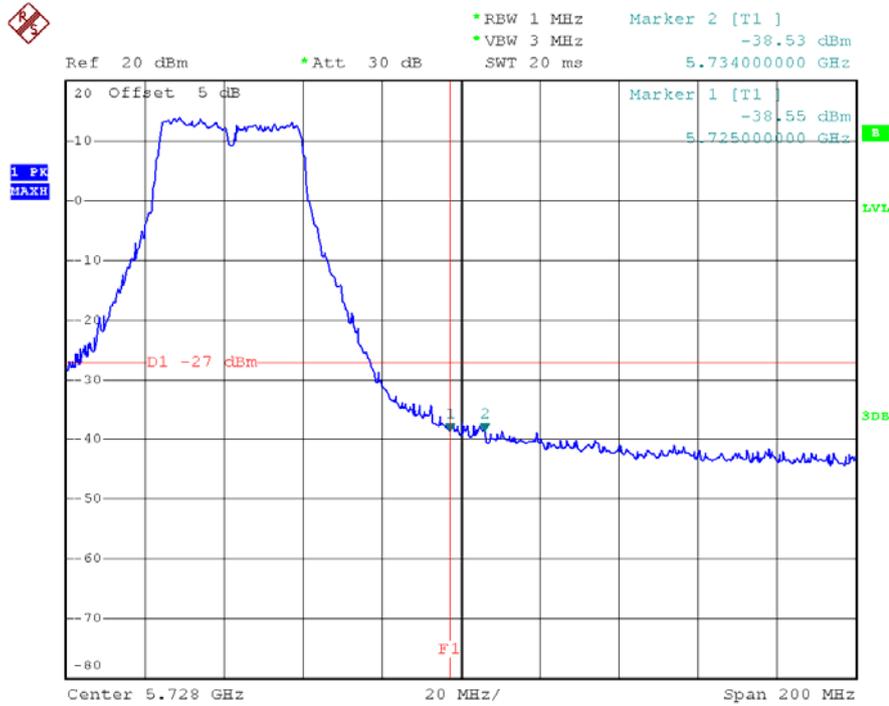


TX mode CH102



Date: 12.OCT.2012 01:04:30

TX mode CH134



Date: 12.OCT.2012 00:58:01



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48 – ANT 1 For 3TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-43.18	5360.00	-44.41
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			



EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48 – ANT 2 For 3TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5138.00	-43.29	5360.00	-45.01
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

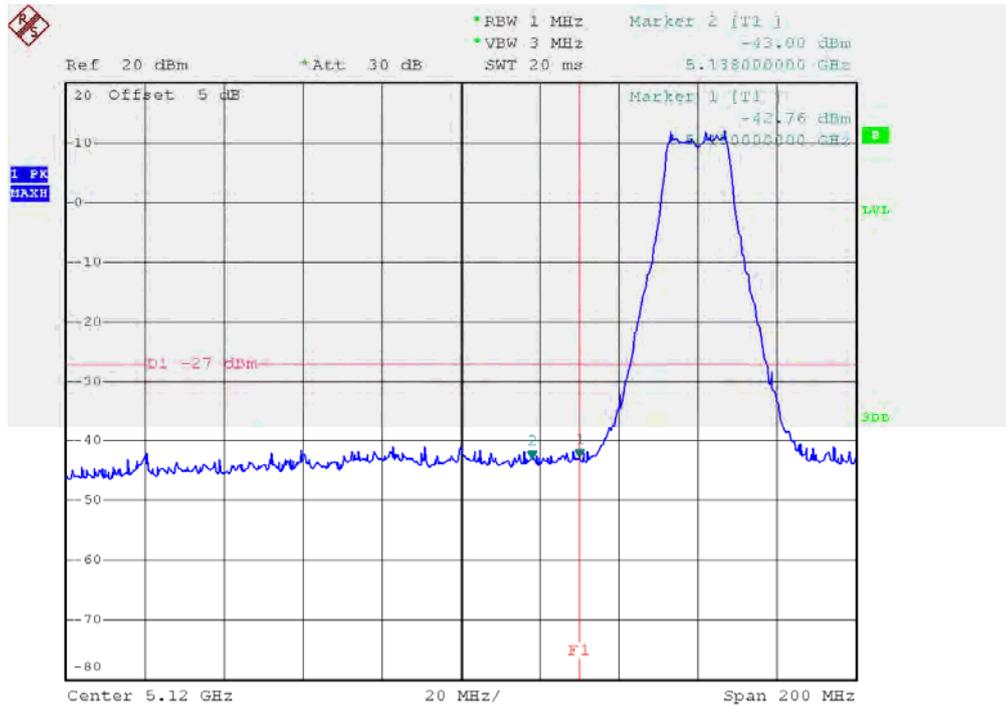


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48 – ANT 3 For 3TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-42.76	5360.00	-44.48
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

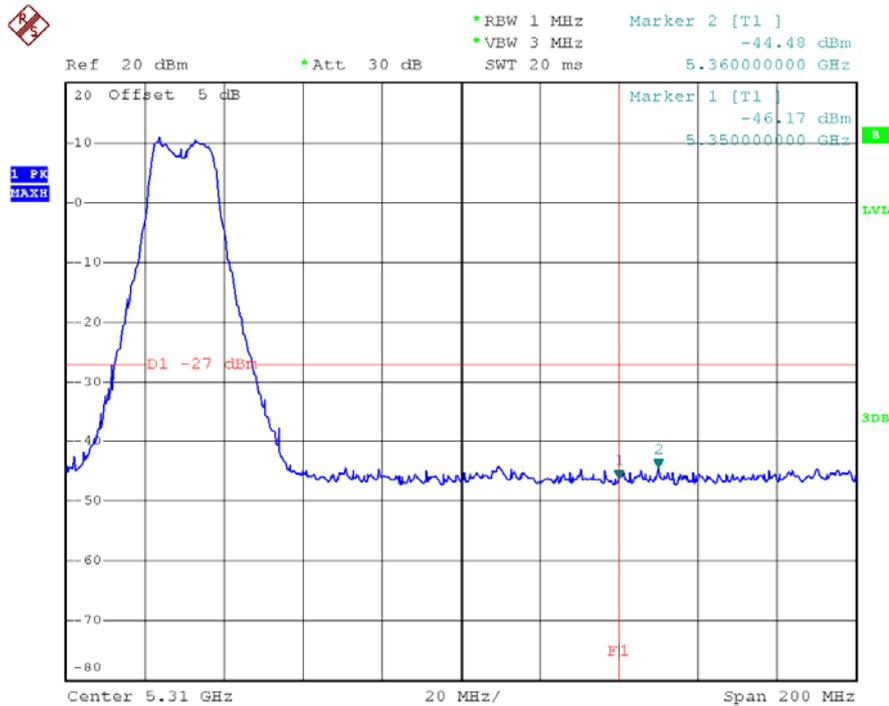


TX mode CH36



Date: 12.OCT.2012 02:03:48

TX mode CH48



Date: 12.OCT.2012 02:05:26

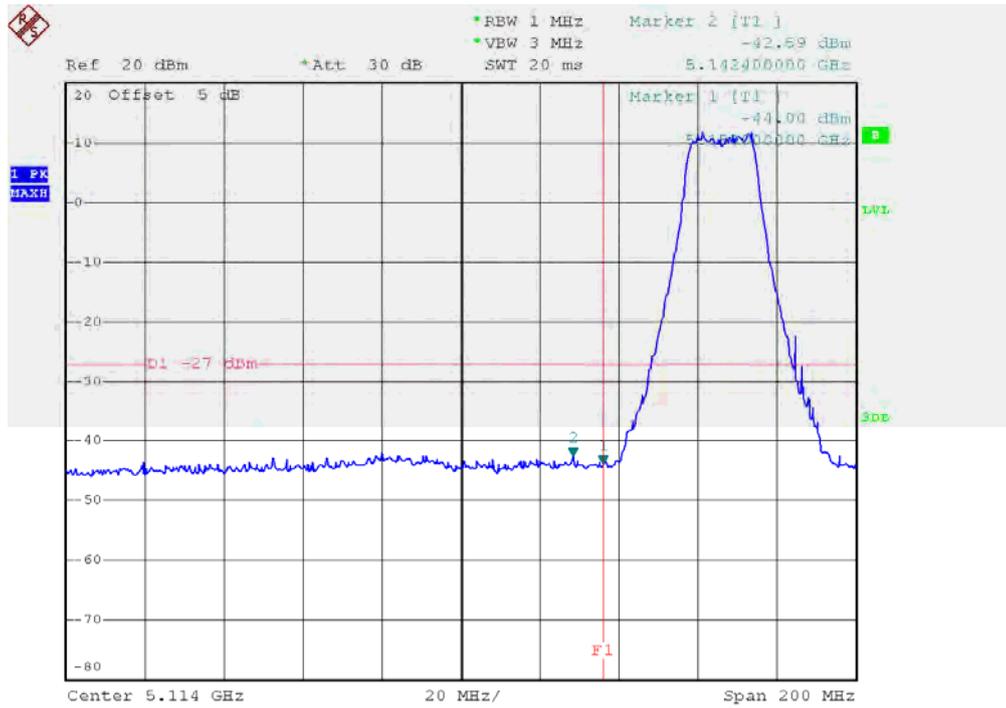


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ H36, CH40 , CH48 – ANT 1 For 3TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5142.40	-42.59	5364.40	-41.29
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

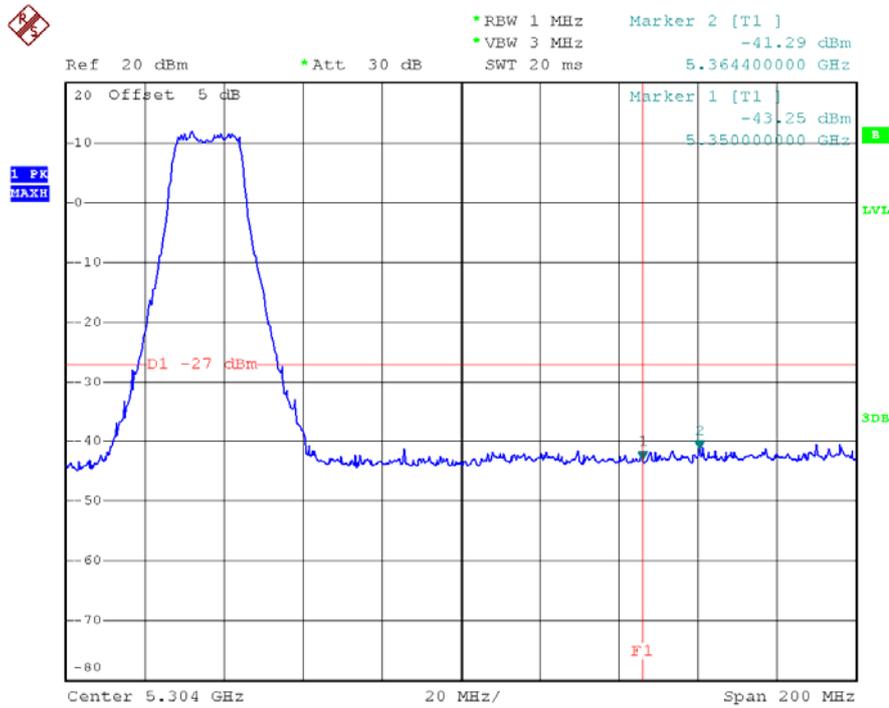


TX mode CH36



Date: 12.OCT.2012 02:46:23

TX mode CH48



Date: 12.OCT.2012 02:44:52

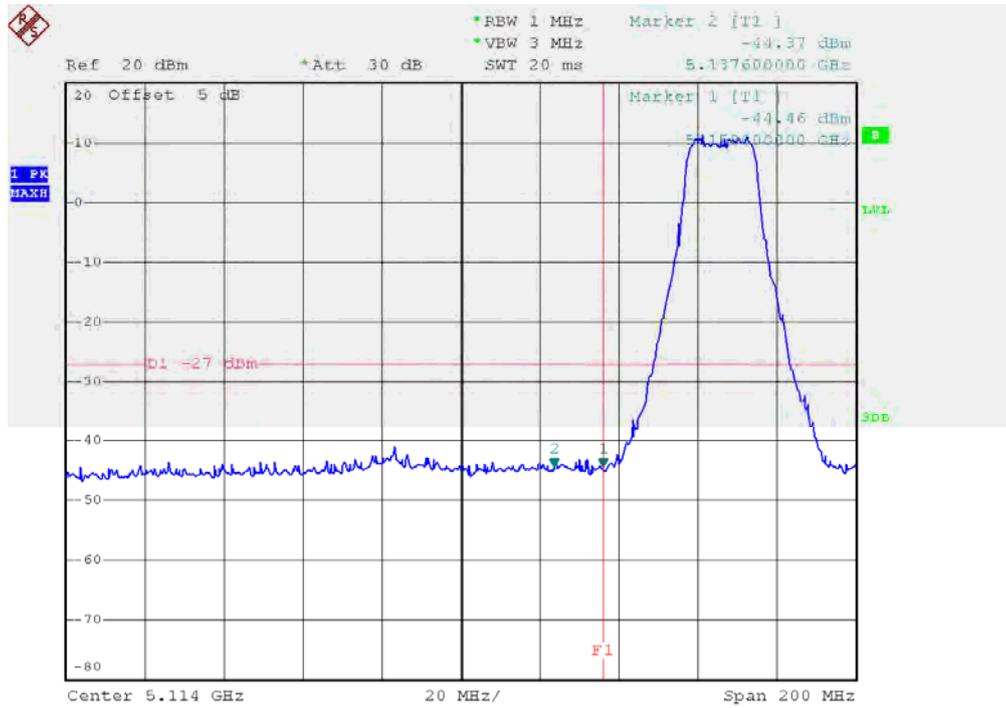


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ H36, CH40 , CH48 – ANT 2 For 3TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5137.60	-44.37	5364.40	-43.12
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

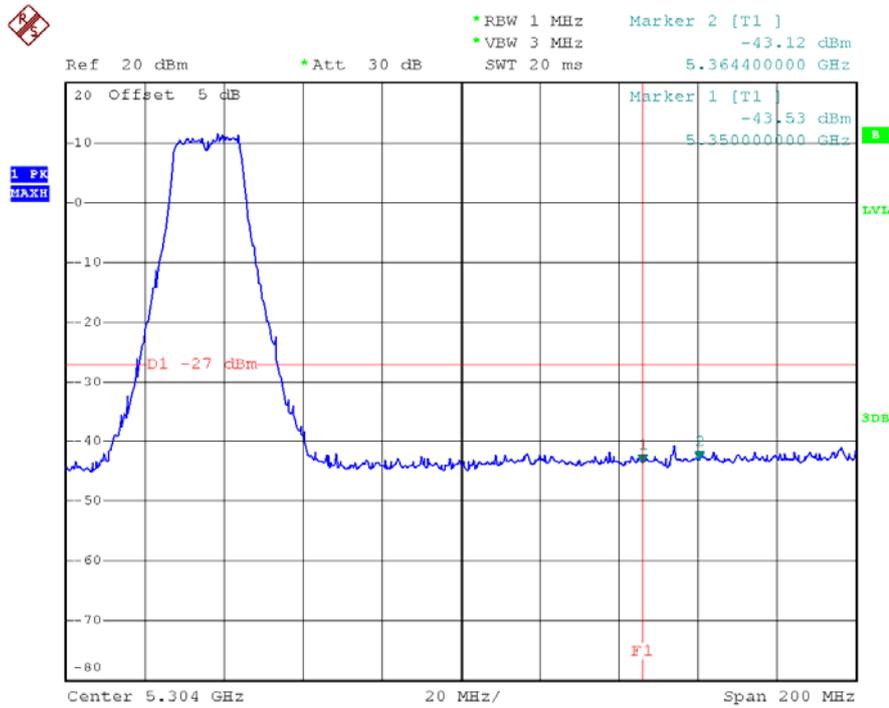


TX mode CH36



Date: 12.OCT.2012 02:46:41

TX mode CH48



Date: 12.OCT.2012 02:45:01

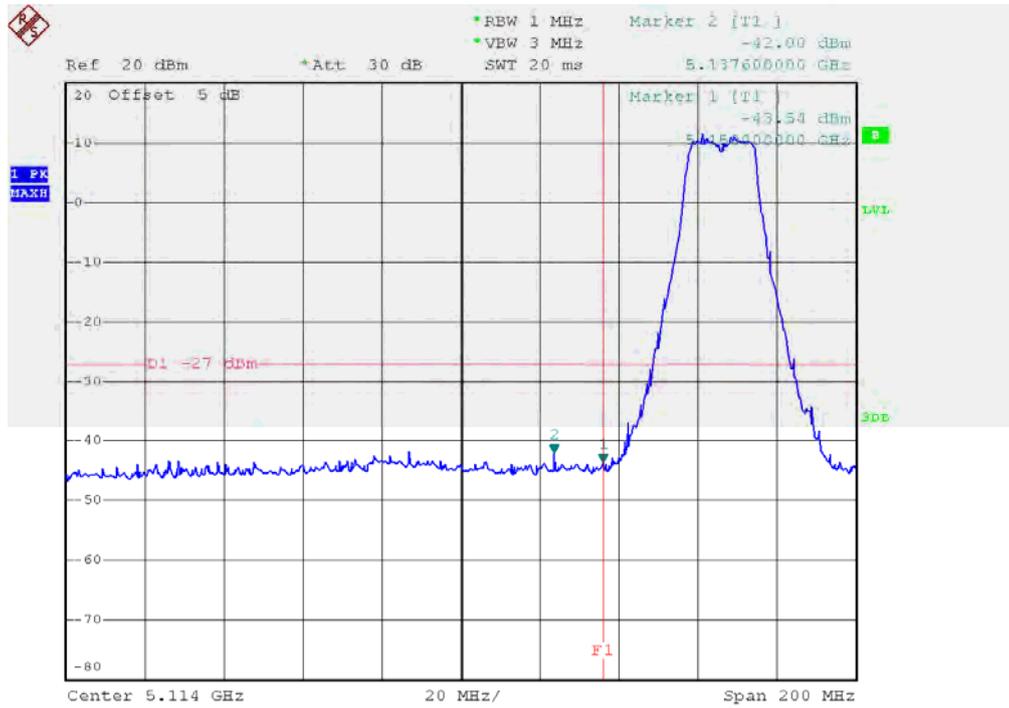


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ H36, CH40 , CH48 – ANT 3 For 3TX		

Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5137.60	-42.00	5350.00	-42.69
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

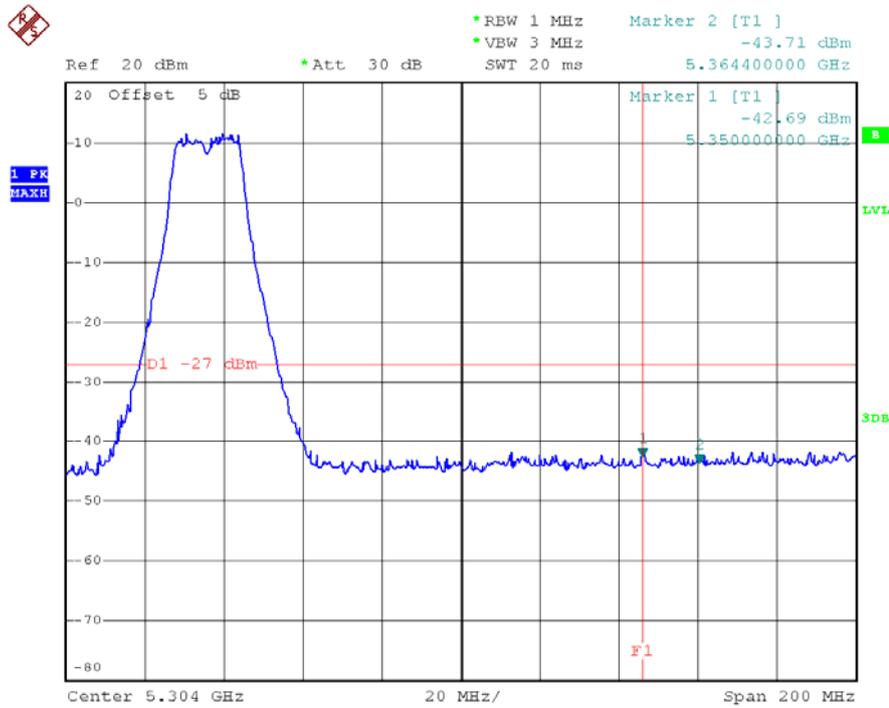


TX mode CH36



Date: 12.OCT.2012 02:46:33

TX mode CH48



Date: 12.OCT.2012 02:45:07

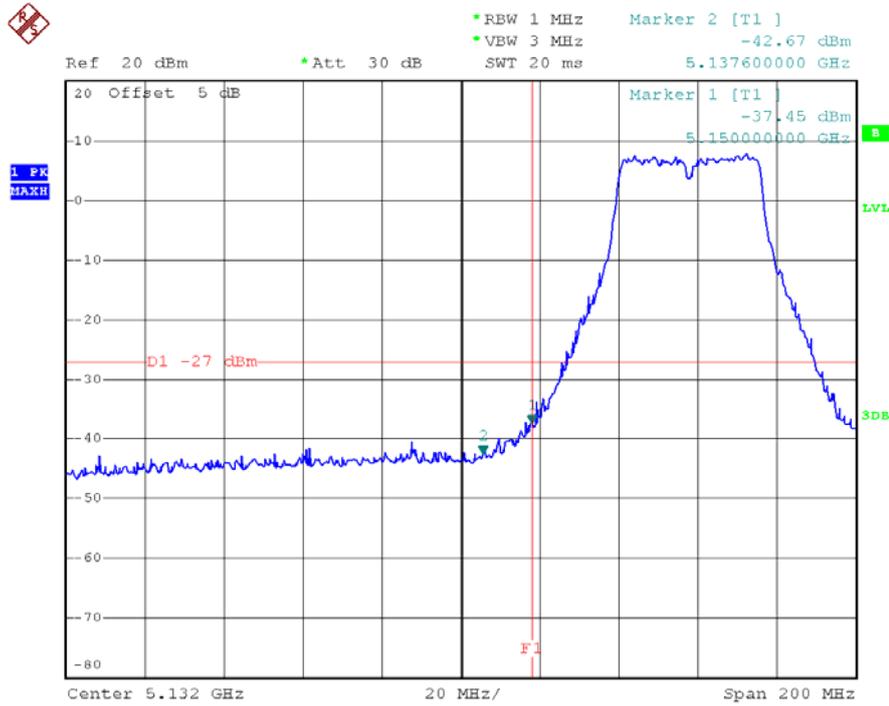


EUT :	Wireless LAN Access Point	Model Name :	AP7110DN-AGN
Temperature :	25 ° C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46 – ANT 1 For 3TX		

Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-37.45	5371.60	-41.86
Limit: -27 dBm/1MHz		Result:PASS	
Measurement method: S.A Read value+Ant gain+cable loss			

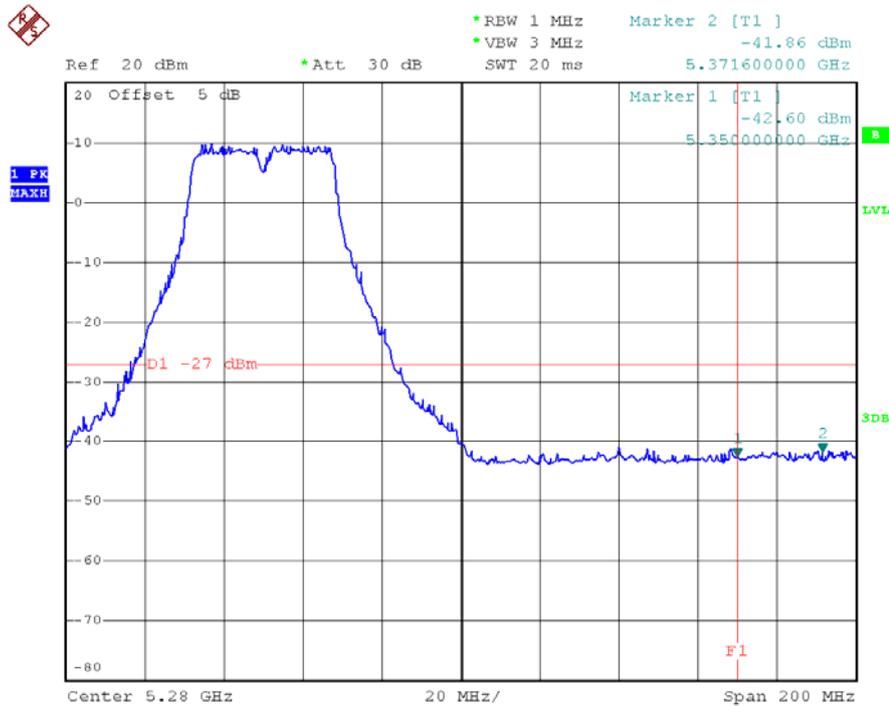


TX mode CH38



Date: 12.OCT.2012 02:53:30

TX mode CH46



Date: 12.OCT.2012 02:56:18