

Annex D – Band Edges at Antenna Terminal (-27 dBm)

The plots below show measurement of each individual chain of the 6 GHz radio. To satisfy the -27dBm EIRP requirement, a correction factor of 6.02 dB is added to account sum of 4 antenna ports when compared to the limit requirements.

$$\text{Corrected Emissions [dBm]} = \text{Measured Emissions [dBm]} + \text{Correction Factor [dB]}$$

$$\text{Correction factor [dB]} = 10 \cdot \log(x) = 10 \cdot \log(4) = 6.02 \text{ dB}$$

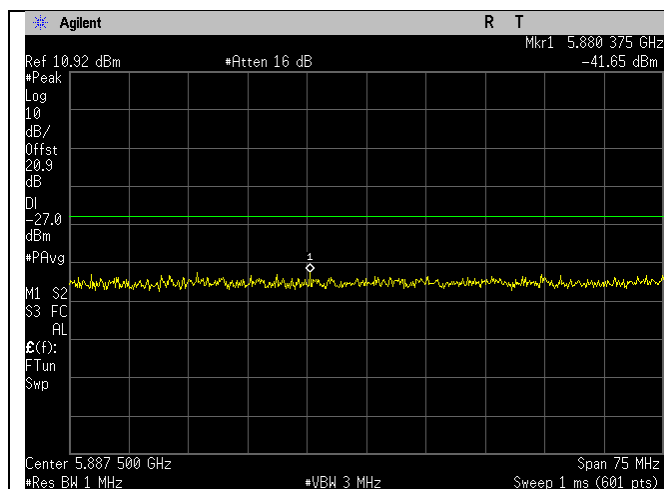
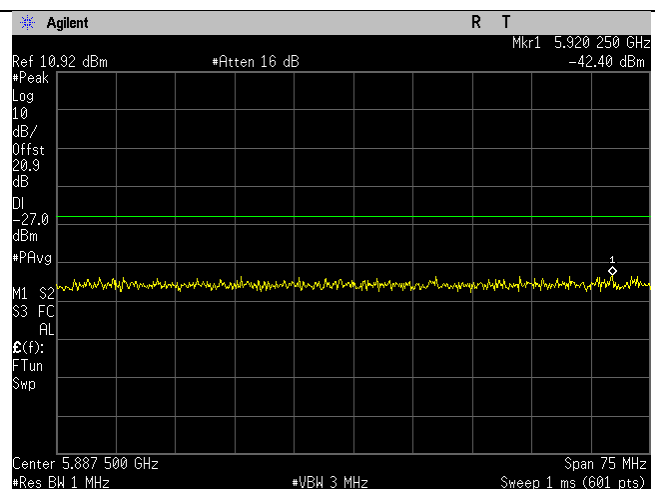
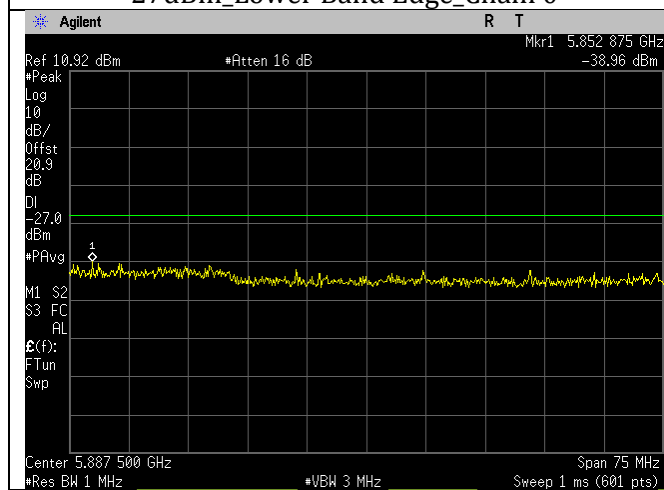
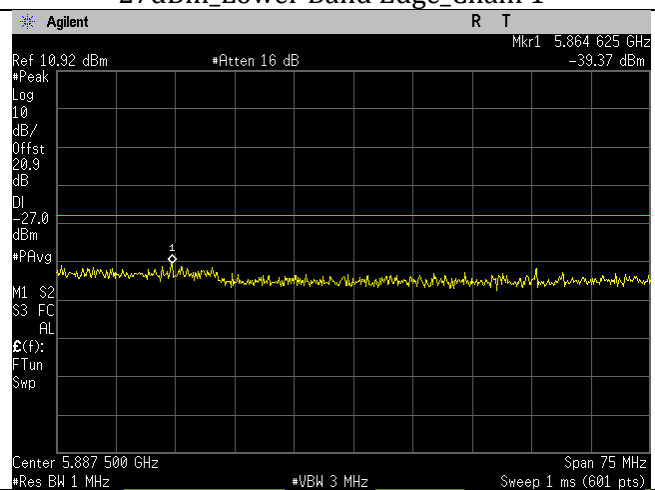
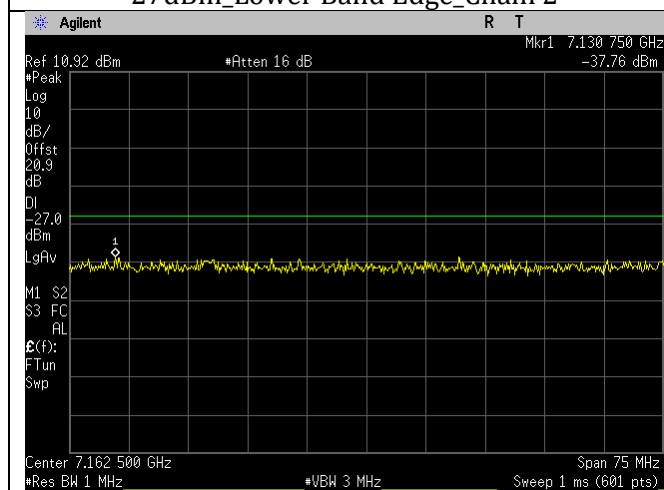
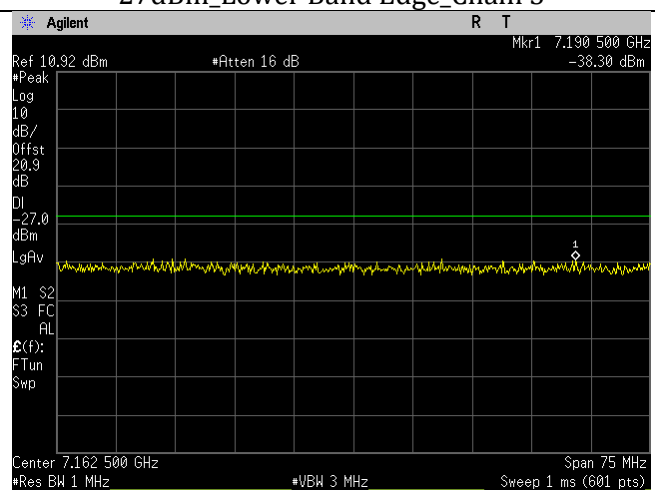
where x is the number of antenna.

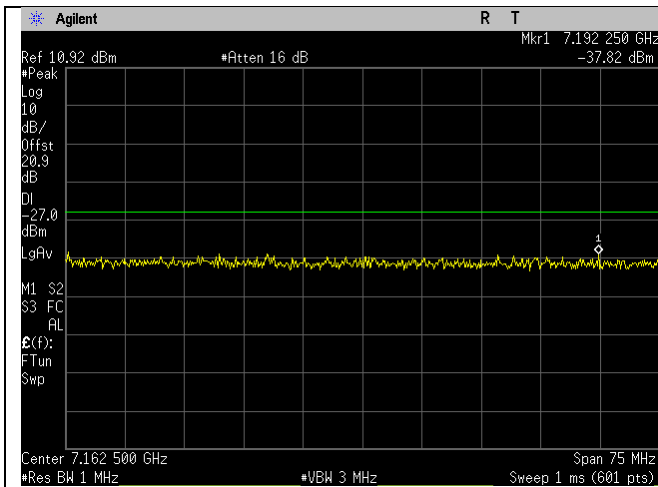
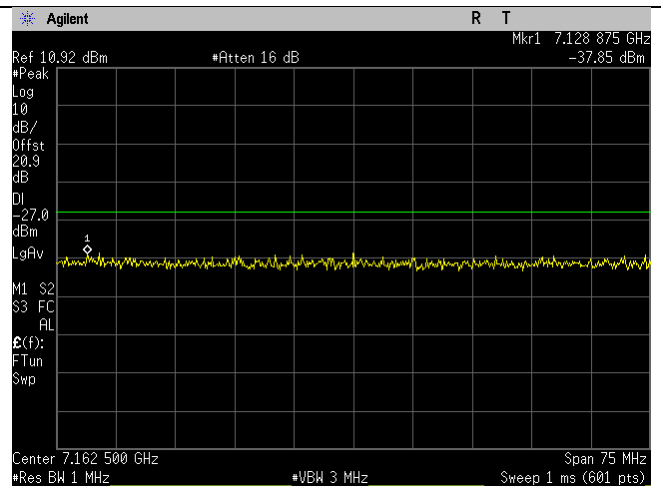
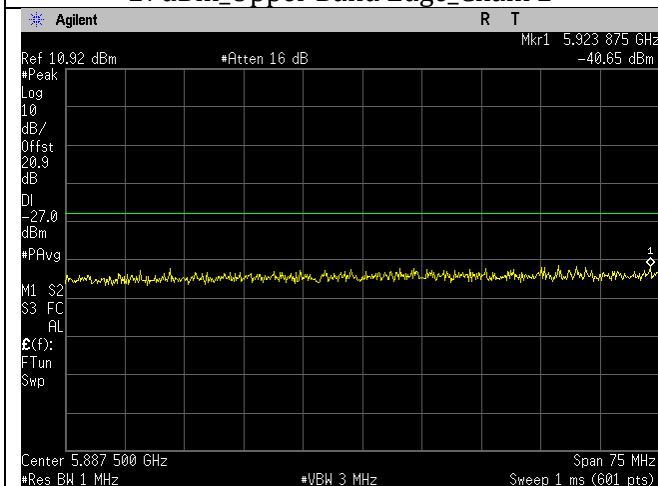
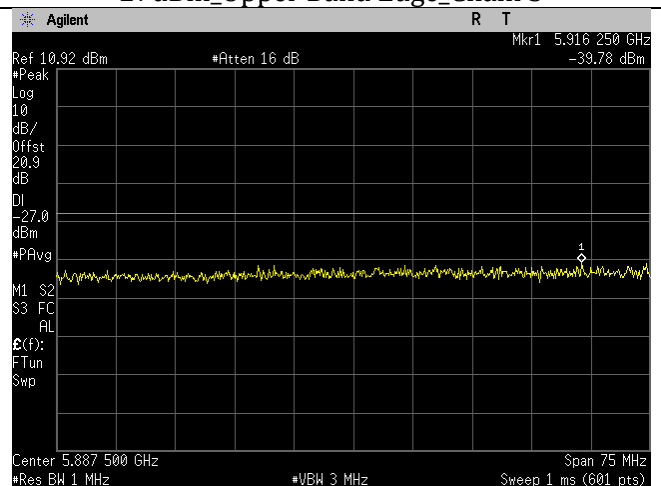
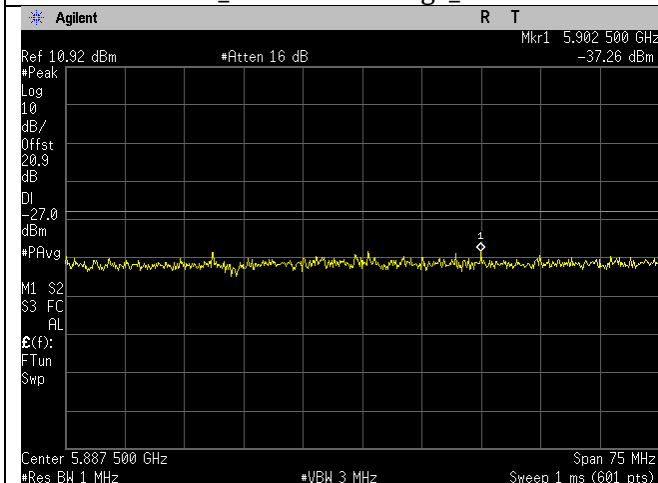
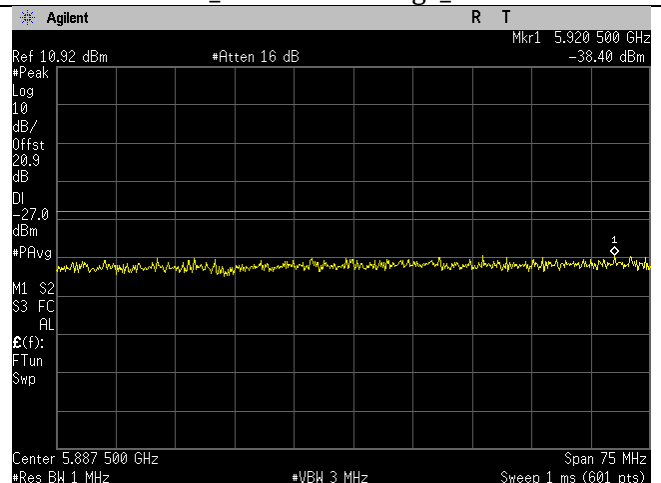
Mode	Frequency (MHz)	Lower/Upper Band Edge	Measured Port	Measured Emissions (dBm)	Corrected Emission (dBm)	Limit (dBm)	Result
802.11be80	5985	Lower	Chain 0	-41.65	-35.63	< -27	Pass
			Chain 1	-42.40	-36.38	< -27	Pass
			Chain 2	-38.96	-32.94	< -27	Pass
			Chain 3	-39.37	-33.35	< -27	Pass
	7025	Upper	Chain 0	-37.76	-31.74	< -27	Pass
			Chain 1	-38.30	-32.28	< -27	Pass
			Chain 2	-37.82	-31.80	< -27	Pass
			Chain 3	-37.85	-31.83	< -27	Pass
802.11be160	6025	Lower	Chain 0	-40.65	-34.63	< -27	Pass
			Chain 1	-39.78	-33.76	< -27	Pass
			Chain 2	-37.26	-31.24	< -27	Pass
			Chain 3	-38.40	-32.38	< -27	Pass
	6985	Upper	Chain 0	-37.47	-31.45	< -27	Pass
			Chain 1	-37.71	-31.69	< -27	Pass
			Chain 2	-37.80	-31.78	< -27	Pass
			Chain 3	-36.76	-30.74	< -27	Pass
802.11be320	6105	Lower	Chain 0	-34.14	-28.12	< -27	Pass
			Chain 1	-35.87	-29.85	< -27	Pass
			Chain 2	-34.07	-28.05	< -27	Pass
			Chain 3	-35.15	-29.13	< -27	Pass
	6905	Upper	Chain 0	-37.19	-31.17	< -27	Pass
			Chain 1	-36.90	-30.88	< -27	Pass
			Chain 2	-37.16	-31.14	< -27	Pass
			Chain 3	-36.41	-30.39	< -27	Pass

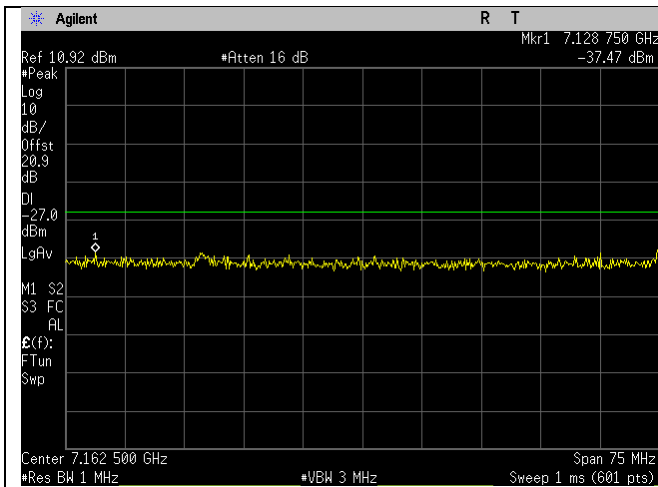
Please refer to the plots below for detailed test results.

Note: The offset used was based on antenna gain and cable loss (18.49 dBi + 2.43 dB = 20.92 dB)

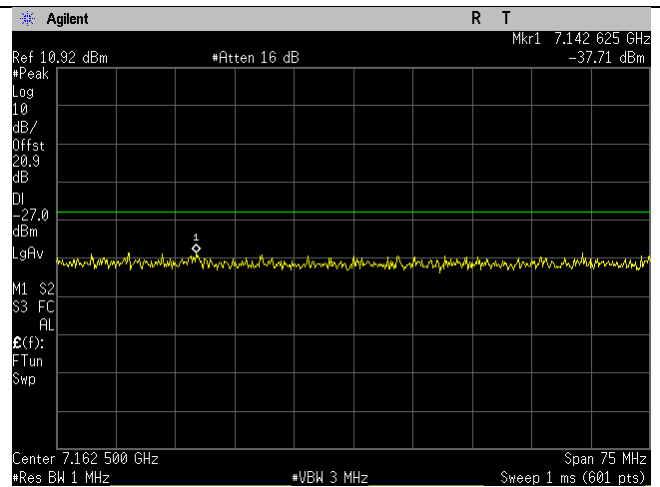
Naming Convention: Frequency (MHz)_Channel_BW_Mode_-27dBm_Lower/Upper Band Edge_Chain

5985MHz_Low Ch_7_80MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 05985MHz_Low Ch_7_80MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 15985MHz_Low Ch_7_80MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 25985MHz_Low Ch_7_80MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 37025MHz_Low Ch_215_80MHz BW_be-mode_-
27dBm_Upper Band Edge_Chain 07025MHz_Low Ch_215_80MHz BW_be-mode_-
27dBm_Upper Band Edge_Chain 1

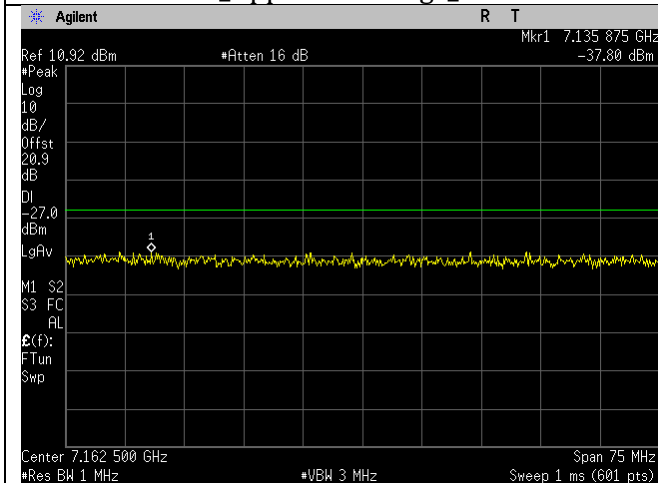
7025MHz_Low Ch_215_80MHz BW_be-mode_-
27dBm_Upper Band Edge_Chain 27025MHz_Low Ch_215_80MHz BW_be-mode_-
27dBm_Upper Band Edge_Chain 36025MHz_Low Ch_15_160MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 06025MHz_Low Ch_15_160MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 16025MHz_Low Ch_15_160MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 26025MHz_Low Ch_15_160MHz BW_be-mode_-
27dBm_Lower Band Edge_Chain 3



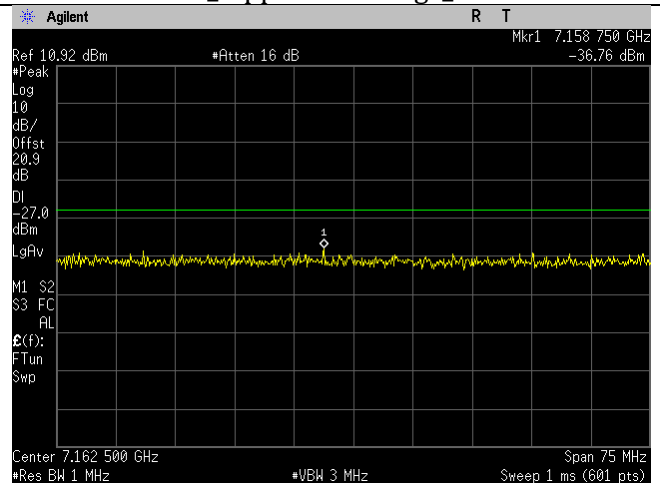
6985MHz_Low Ch_207_160MHz BW_be-mode-27dBm_Upper Band Edge_Chain 0



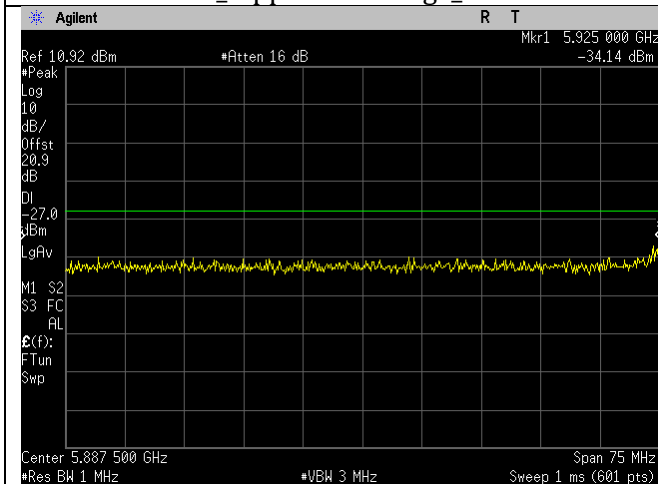
6985MHz_Low Ch_207_160MHz BW_be-mode-27dBm_Upper Band Edge_Chain 1



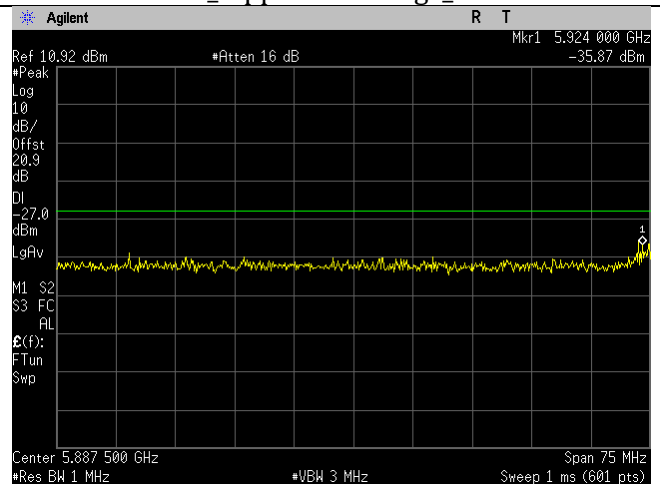
6985MHz_Low Ch_207_160MHz BW_be-mode-27dBm_Upper Band Edge_Chain 2



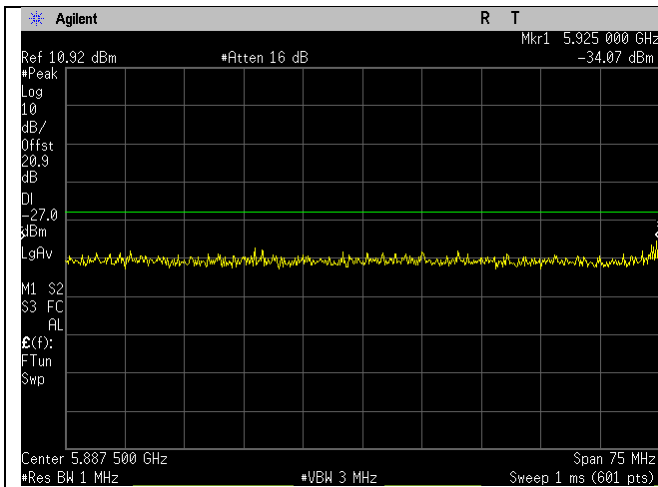
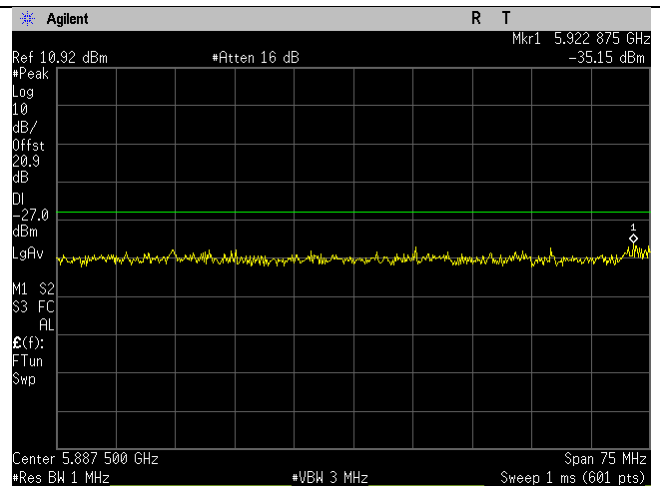
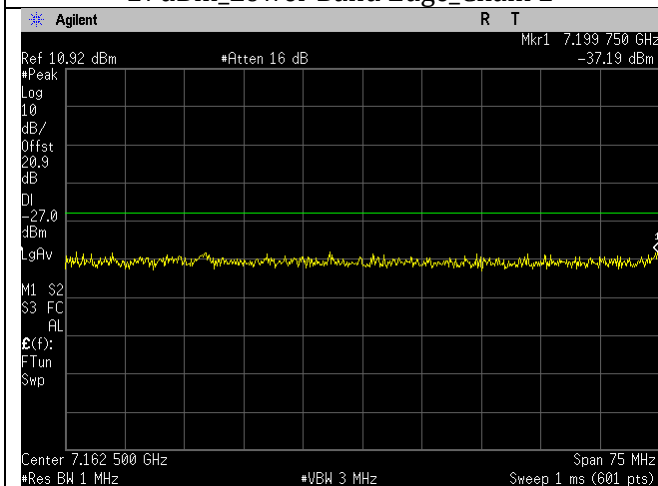
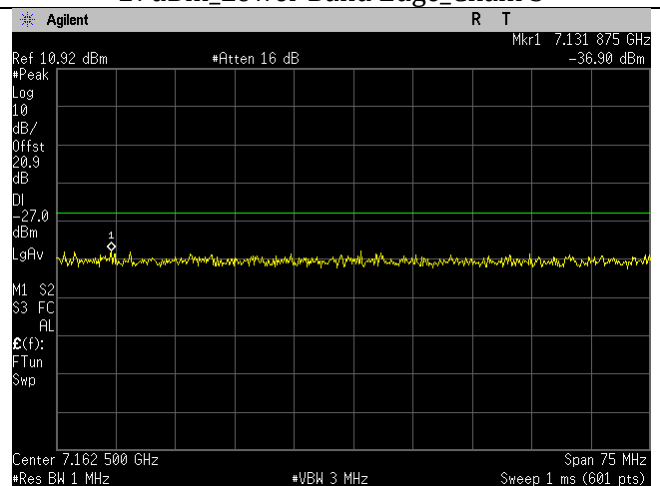
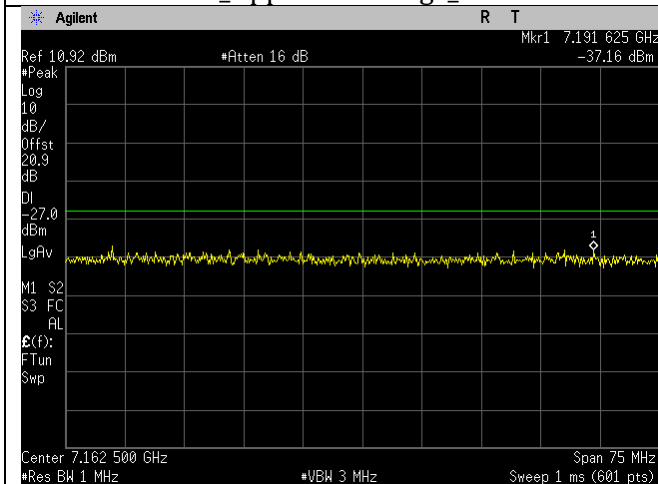
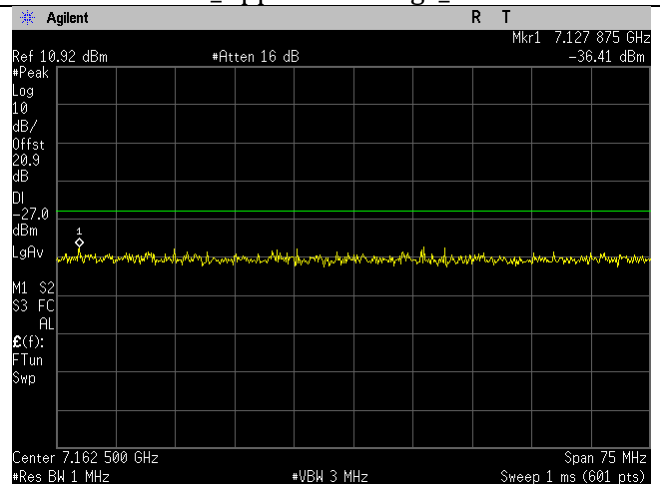
6985MHz_Low Ch_207_160MHz BW_be-mode-27dBm_Upper Band Edge_Chain 3



6105MHz_Low Ch_31_320MHz BW_be-mode-27dBm_Lower Band Edge_Chain 0



6105MHz_Low Ch_31_320MHz BW_be-mode-27dBm_Lower Band Edge_Chain 1

6105MHz_Low Ch_31_320MHz BW_be-mode-
27dBm_Lower Band Edge_Chain 26105MHz_Low Ch_31_320MHz BW_be-mode-
27dBm_Lower Band Edge_Chain 36905MHz_High Ch_191_320MHz BW_be-mode-
27dBm_Upper Band Edge_Chain 06905MHz_High Ch_191_320MHz BW_be-mode-
27dBm_Upper Band Edge_Chain 16905MHz_High Ch_191_320MHz BW_be-mode-
27dBm_Upper Band Edge_Chain 26905MHz_High Ch_191_320MHz BW_be-mode-
27dBm_Upper Band Edge_Chain 3