

9 dBi Gain UNII3 MIMO Calculation

Modulation	Channel	1CC 9 dBi Gain UNII-3			2CC 9 dBi Gain UNII-3		
		Port1	Port2	Port1 + Port2 (dBm)	Port1	Port2	Port1 + Port2 (dBm)
		1 GHz ~ 5.65 GHz Peak (dBm)			1 GHz ~ 5.65 GHz Peak (dBm)		
QPSK	Low	-42.57	-39.09	-37.48	-40.54	-39.26	-36.84
	Middle	-42.37	-39.13	-37.44	-41.12	-39.94	-37.48
	High	-42.79	-39.15	-37.59	-44.16	-40.53	-38.96
16QAM	Low	-42.26	-39.54	-37.68	-39.57	-38.86	-36.19
	Middle	-42.69	-39.15	-37.56	-38.98	-39.80	-36.36
	High	-42.82	-39.28	-37.69	-44.18	-40.20	-38.74
64QAM	Low	-42.66	-38.19	-36.87	-40.41	-38.73	-36.48
	Middle	-42.36	-38.84	-37.24	-40.71	-37.98	-36.12
	High	-43.53	-38.87	-37.59	-41.69	-39.22	-37.27
256QAM	Low	-42.22	-38.51	-36.97	-41.32	-39.17	-37.10
	Middle	-42.04	-38.35	-36.81	-43.08	-39.54	-37.95
	High	-42.71	-39.87	-38.05	-43.39	-39.25	-37.84

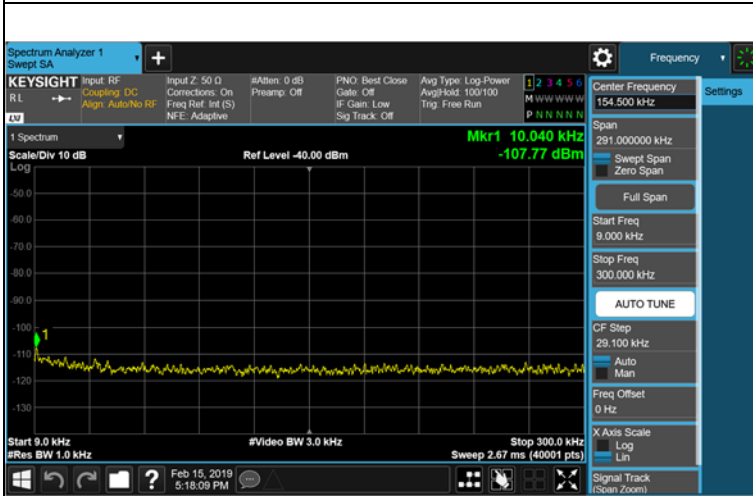
Modulation	Channel	3CC 9 dBi Gain UNII-3			4CC 9 dBi Gain UNII-3		
		Port1	Port2	Port1 + Port2 (dBm)	Port1	Port2	Port1 + Port2 (dBm)
		1 GHz ~ 5.65 GHz Peak (dBm)			1 GHz ~ 5.65 GHz Peak (dBm)		
QPSK	Low	-40.58	-39.63	-37.07	-40.21	-39.29	-36.72
	Middle	-39.59	-39.91	-36.74	-39.62	-39.09	-36.34
	High	-42.96	-39.18	-37.66	-41.07	-38.97	-36.88
16QAM	Low	-41.79	-39.37	-37.41	-39.56	-38.86	-36.18
	Middle	-38.87	-39.28	-36.06	-38.55	-39.69	-36.08
	High	-43.28	-40.07	-38.37	-39.60	-40.01	-36.79
64QAM	Low	-41.56	-39.74	-37.54	-39.64	-38.62	-36.09
	Middle	-39.42	-40.26	-36.81	-39.38	-40.59	-36.93
	High	-43.42	-40.30	-38.57	-41.86	-39.32	-37.39
256QAM	Low	-41.77	-39.40	-37.41	-40.22	-40.46	-37.33
	Middle	-39.81	-40.36	-37.07	-40.37	-40.66	-37.50
	High	-42.03	-40.32	-38.08	-40.32	-39.80	-37.04

Note: We performed sum to prove pass in case of MIMO result. We applied only the fail results in single port limit.

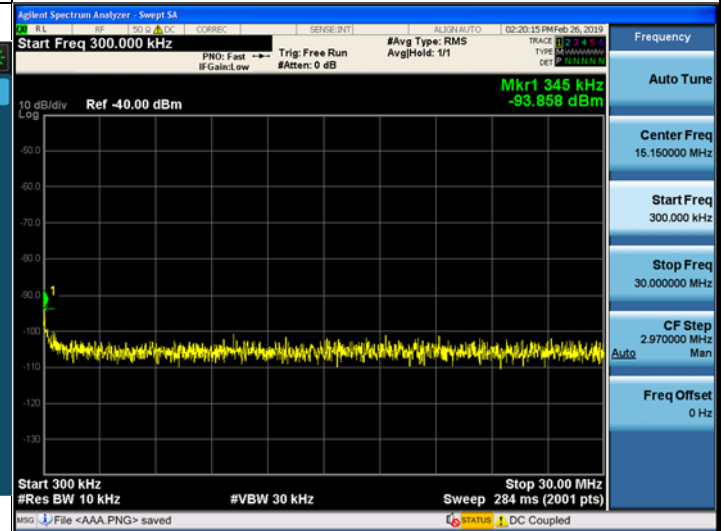
Plots of Unwanted Conducted Emission

1CC 6 dBi Gain port1 UNII-1(16QAM Middle)

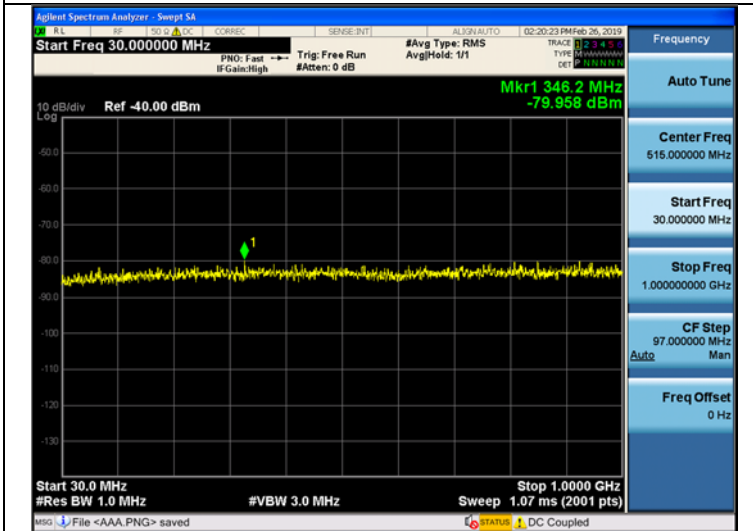
9 kHz ~ 300 kHz



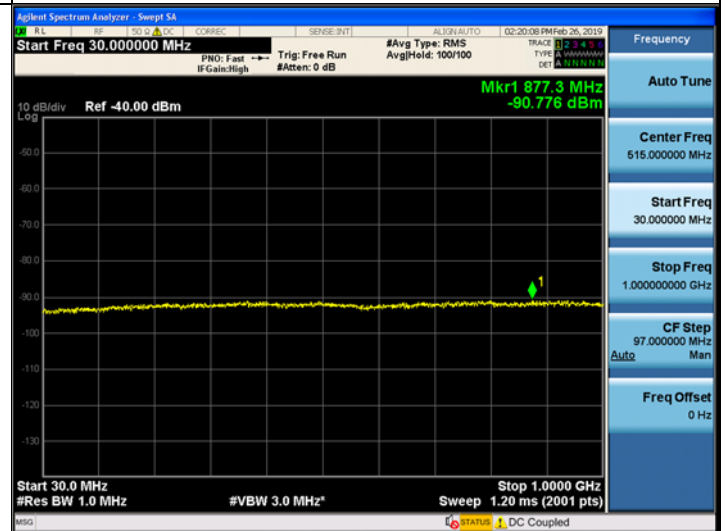
300 kHz ~ 30 MHz Peak Peak



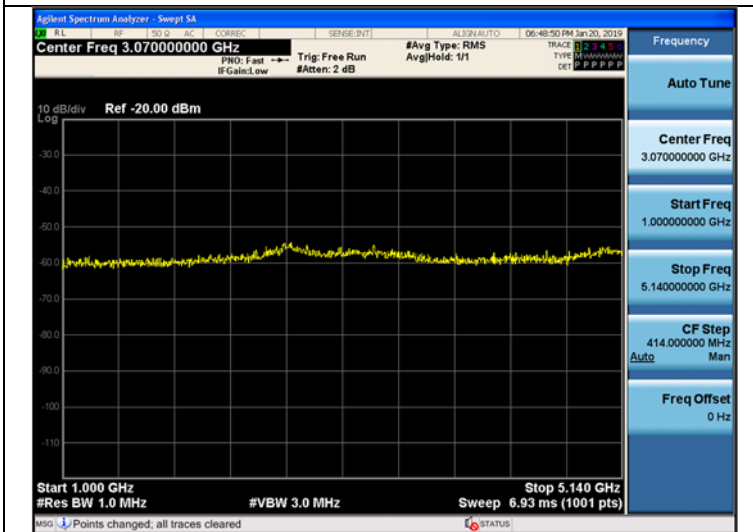
30 MHz ~ 1 GHz Peak



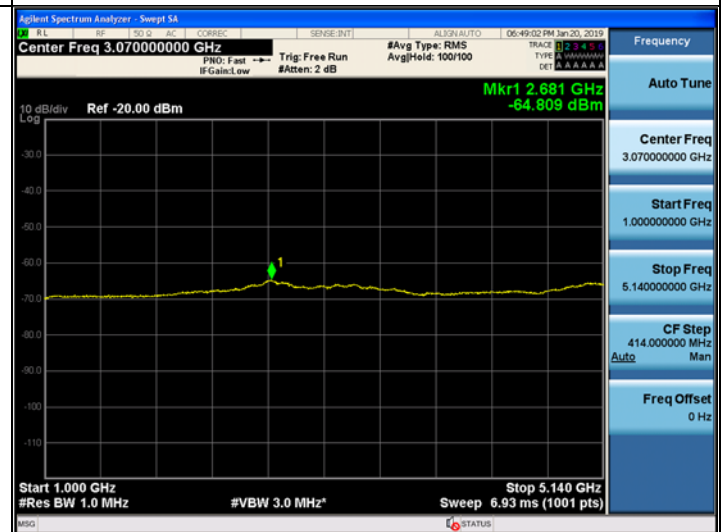
30 MHz ~ 1 GHz Aver



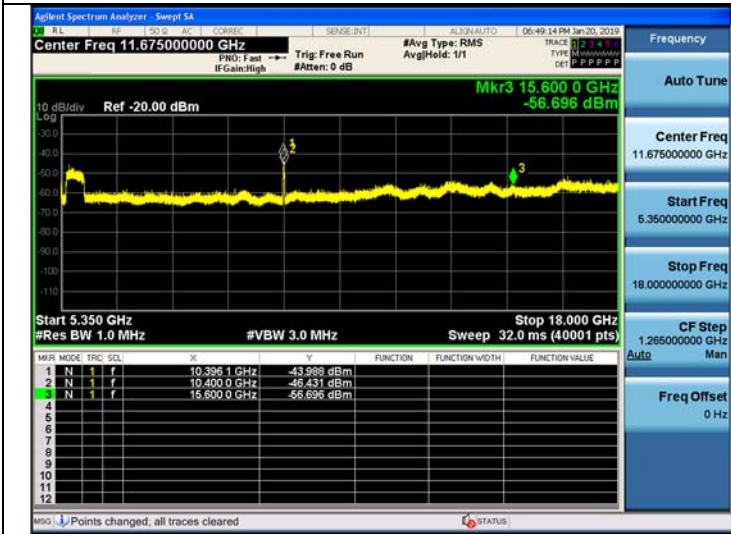
1 GHz ~ 5.14 GHz Peak



1 GHz ~ 5.14 GHz Aver



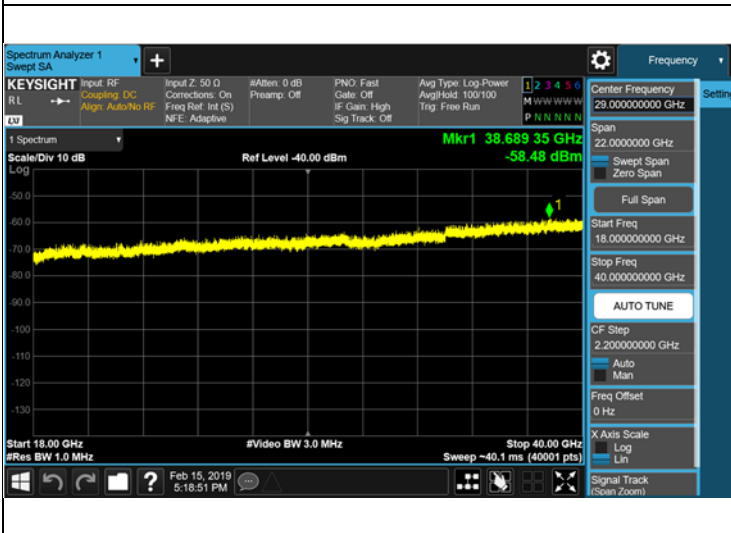
5.35 GHz ~ 18 GHz Peak



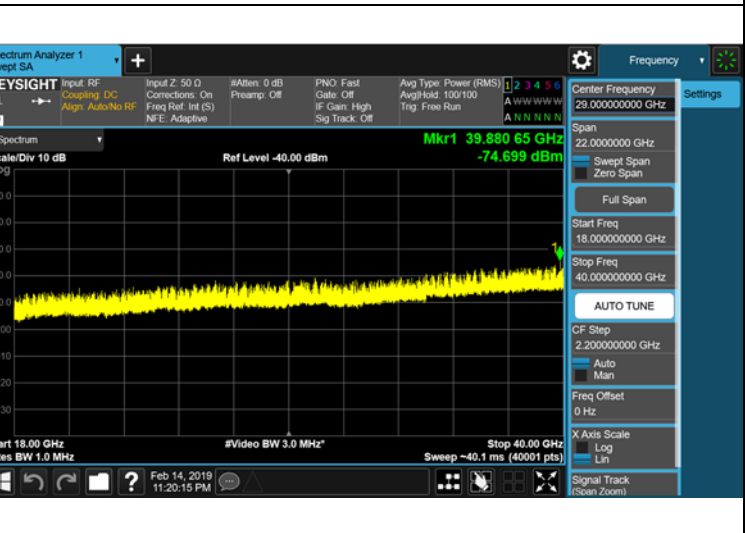
5.35 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

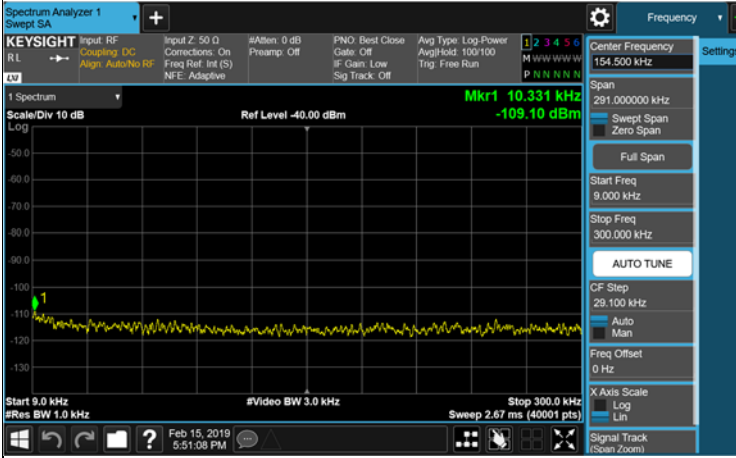


18 GHz ~ 40 GHz Aver



1CC 6 dBi Gain port1 UNII-3(256QAM Middle)

9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak Peak



30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



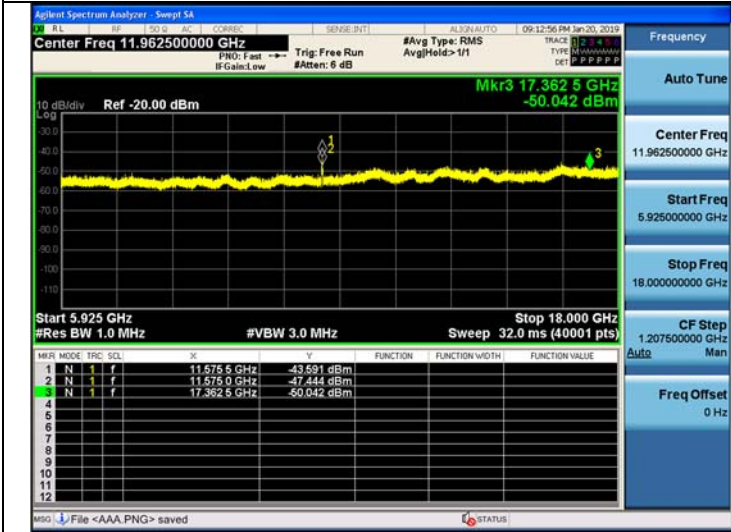
1 GHz ~ 5.65 GHz Peak



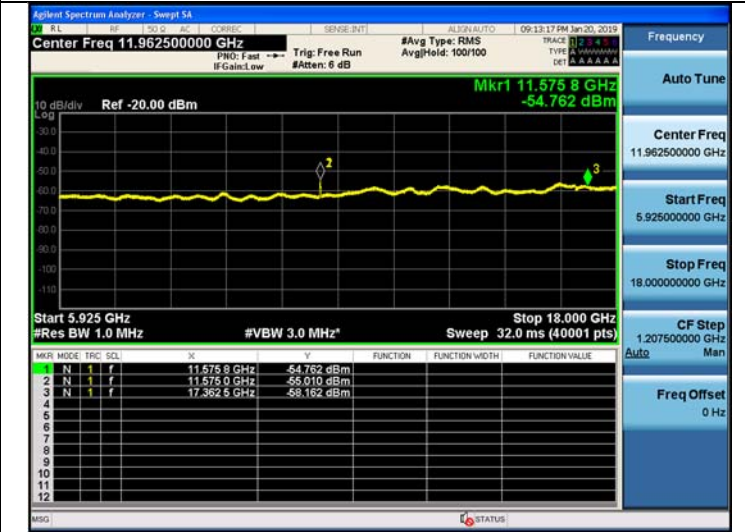
1 GHz ~ 5.65 GHz Aver



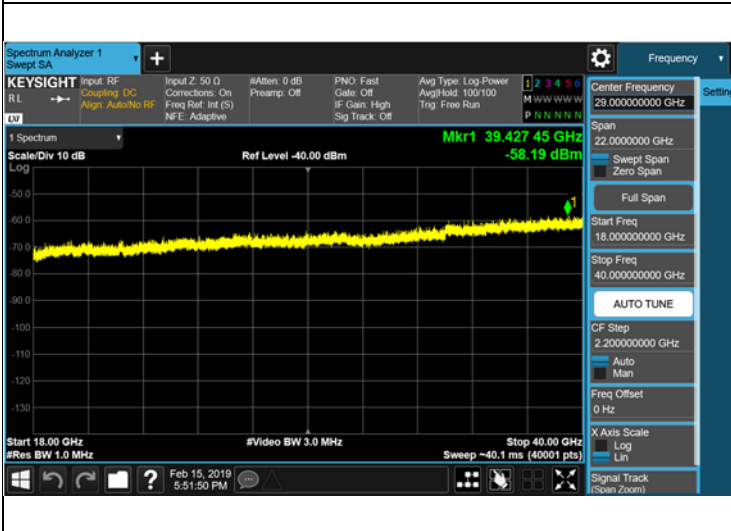
5.925 GHz ~ 18 GHz Peak



5.925 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

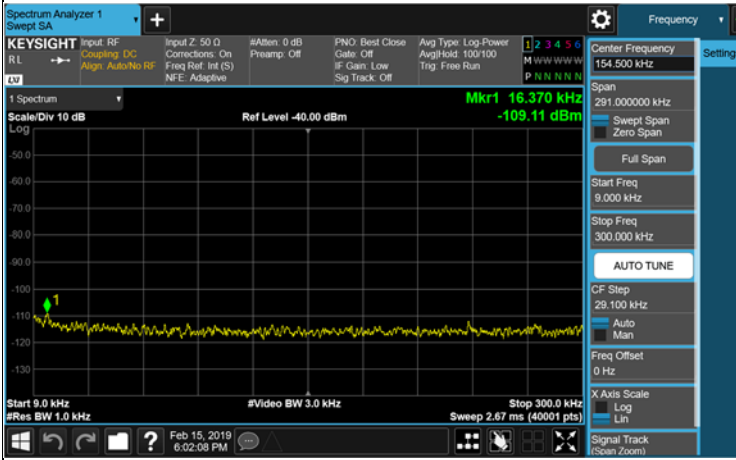


18 GHz ~ 40 GHz Aver

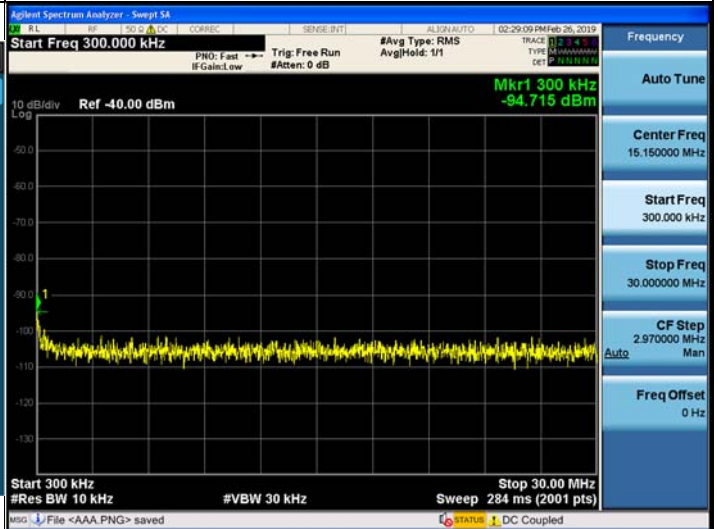


2CC 6 dBi Gain port1 UNII-1(16QAM Middle)

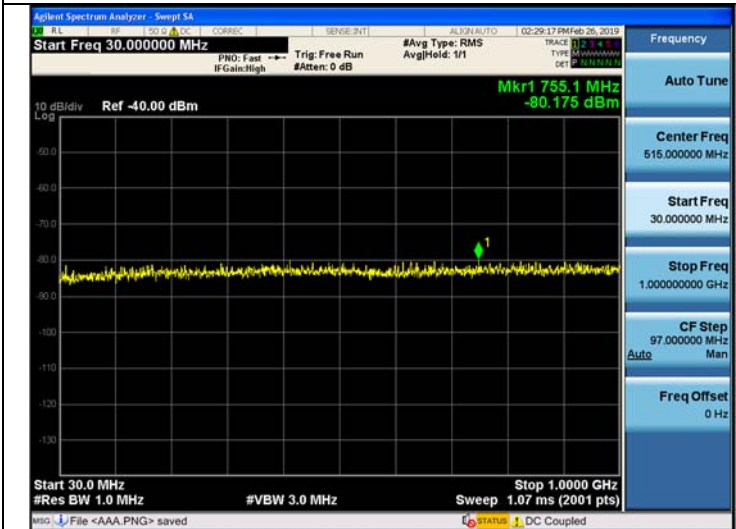
9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak



30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



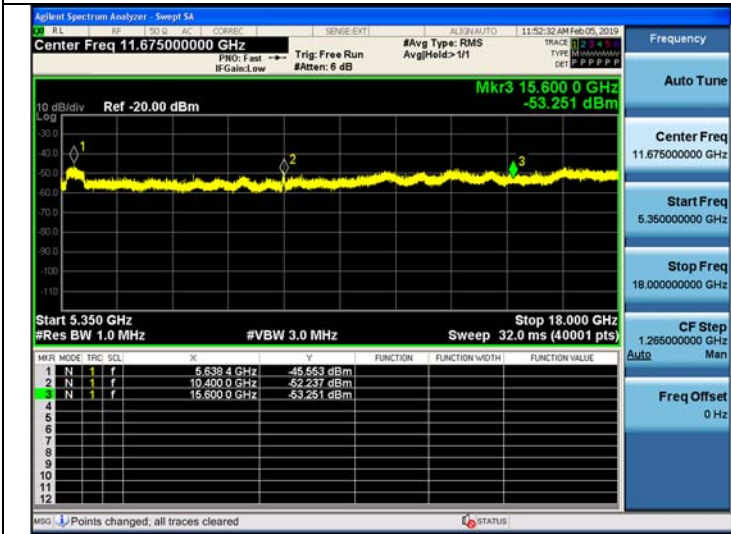
1 GHz ~ 5.14 GHz Peak



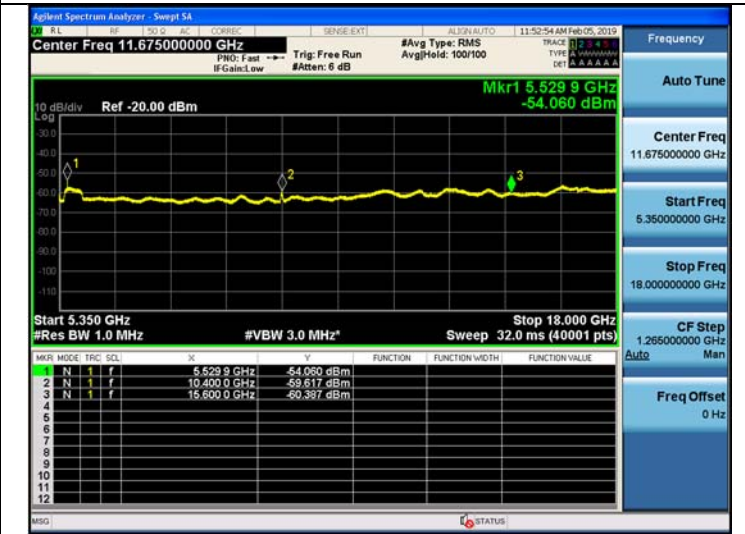
1 GHz ~ 5.14 GHz Aver



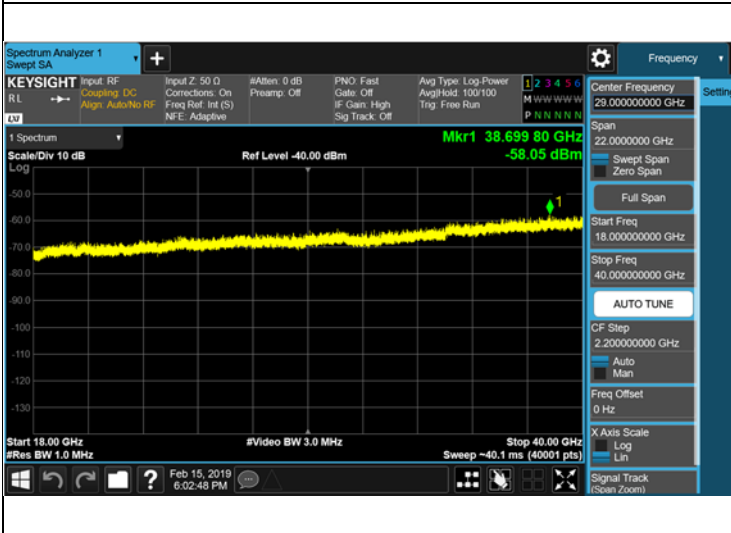
5.35 GHz ~ 18 GHz Peak



5.35 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

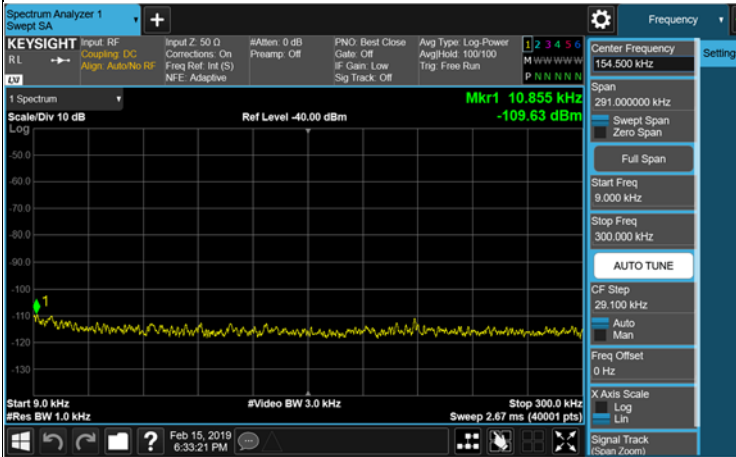


18 GHz ~ 40 GHz Aver



2CC 6 dBi Gain port1 UNII-3(256QAM Low)

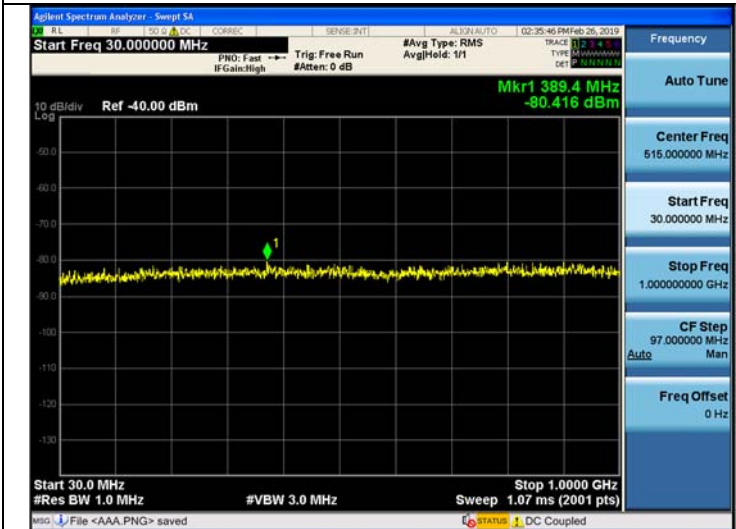
9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak



30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



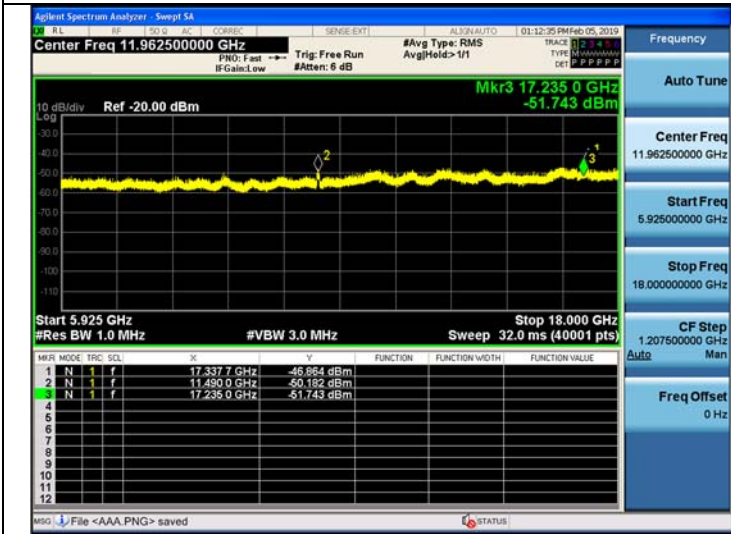
1 GHz ~ 5.65 GHz Peak



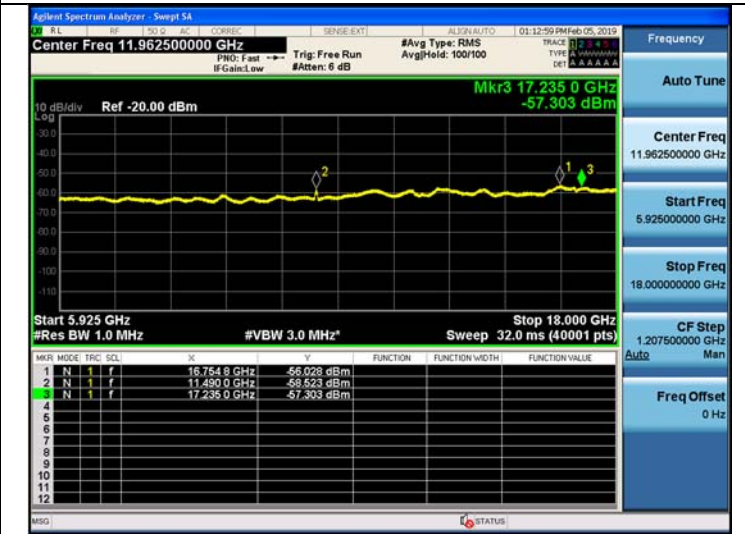
1 GHz ~ 5.65 GHz Aver



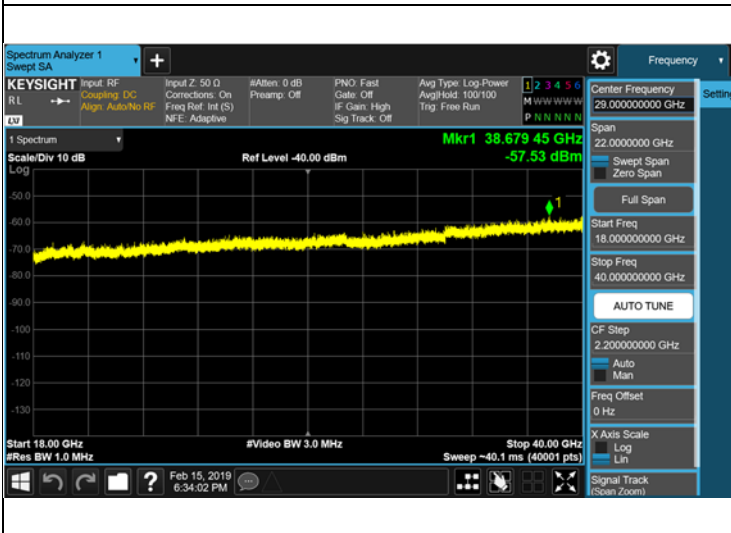
5.925 GHz ~ 18 GHz Peak



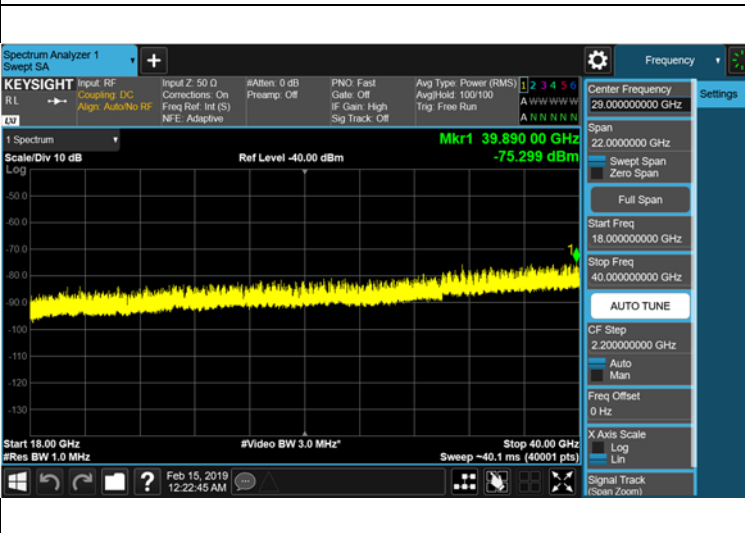
5.925 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

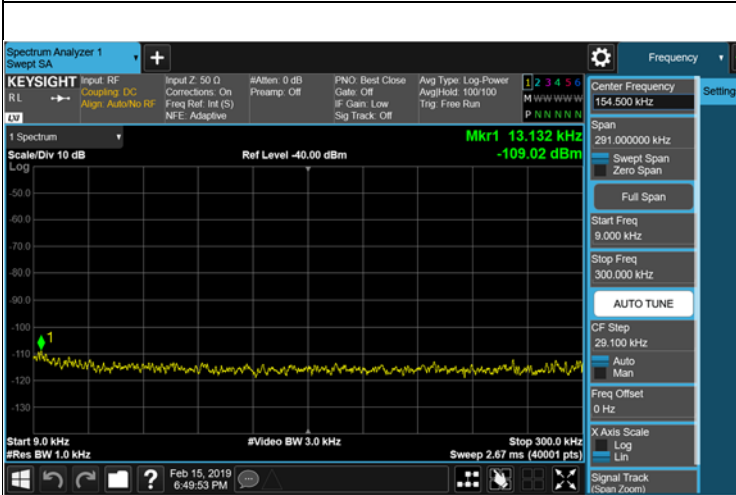


18 GHz ~ 40 GHz Aver

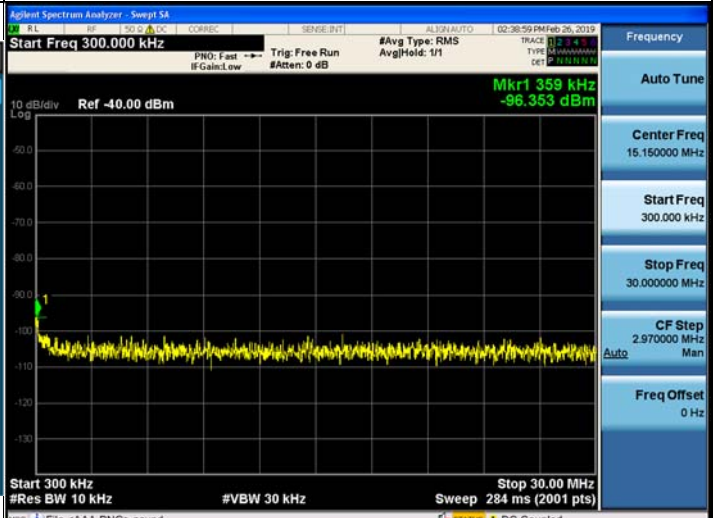


3CC 6 dBi Gain port1 UNII-1(64QAM Low)

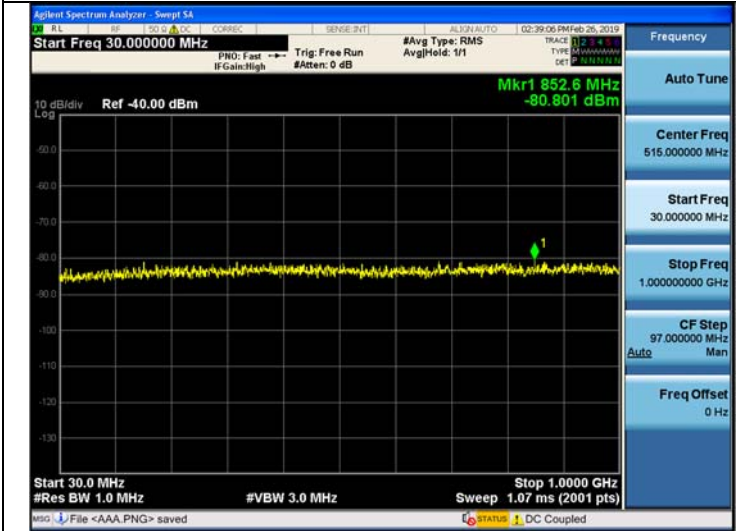
9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak



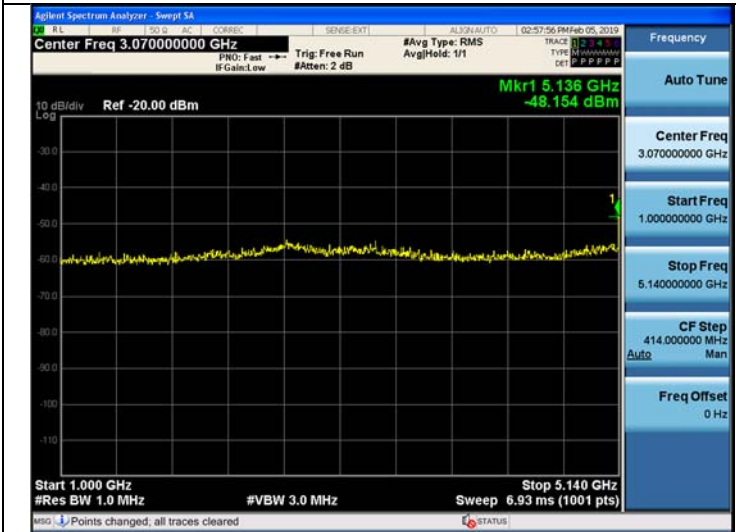
30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



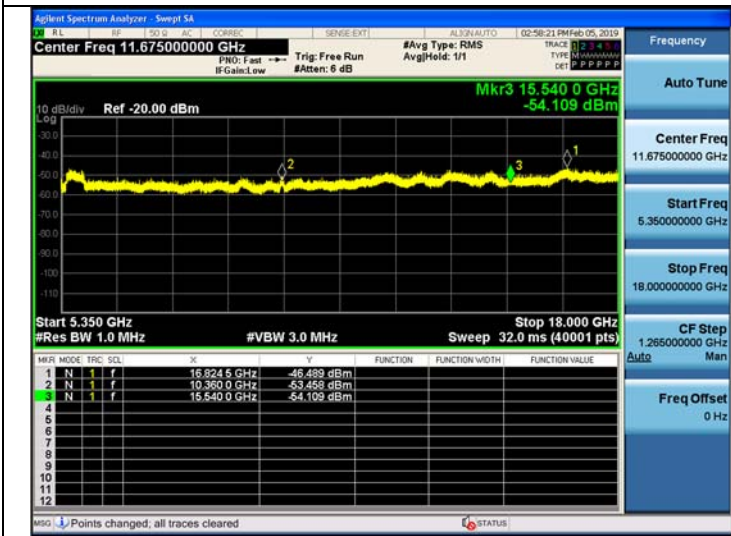
1 GHz ~ 5.14 GHz Peak



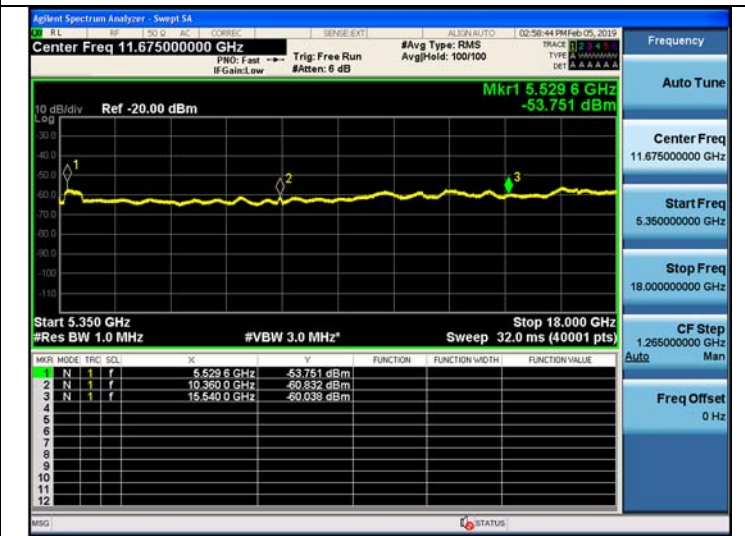
1 GHz ~ 5.14 GHz Aver



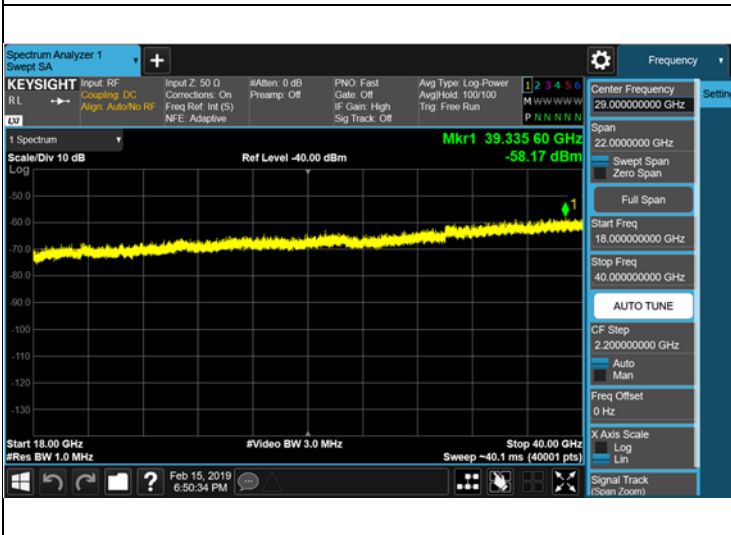
5.35 GHz ~ 18 GHz Peak



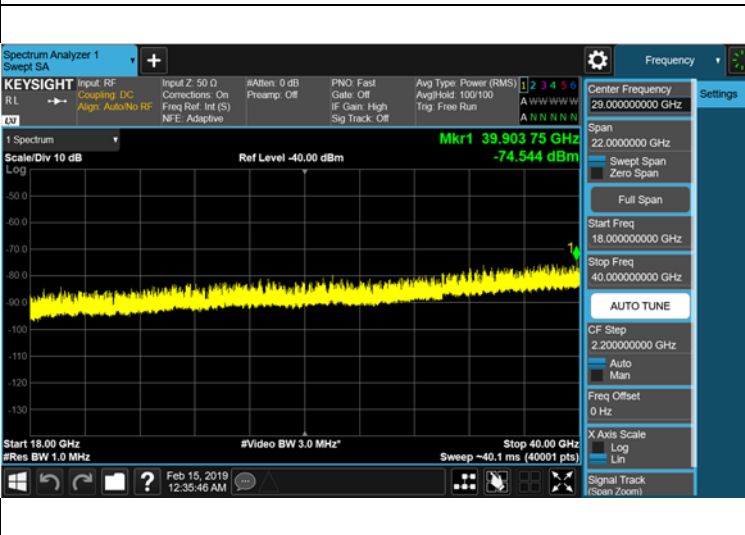
5.35 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

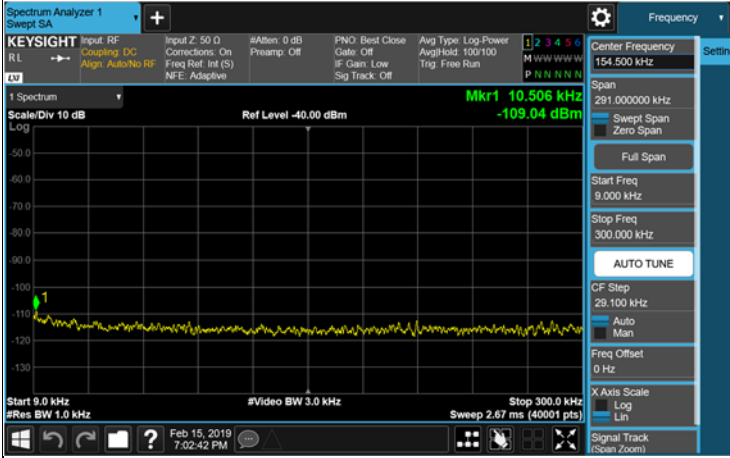


18 GHz ~ 40 GHz Aver



3CC 6 dBi Gain port1 UNII-3(QPSK Middle)

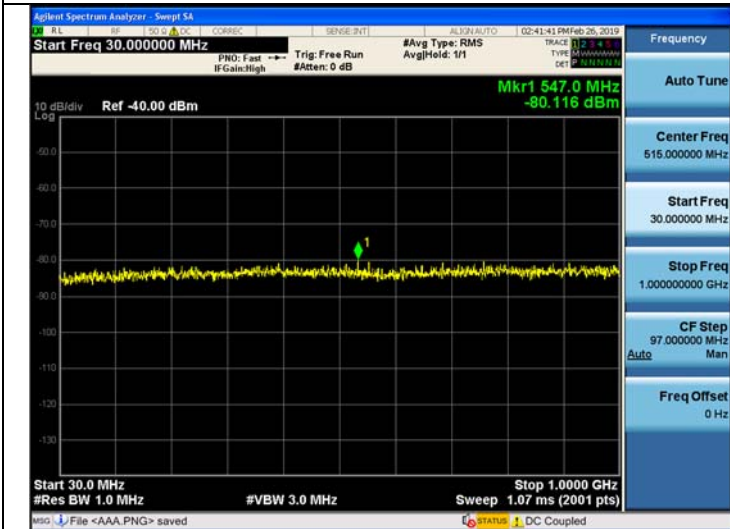
9 kHz ~ 300 kHz



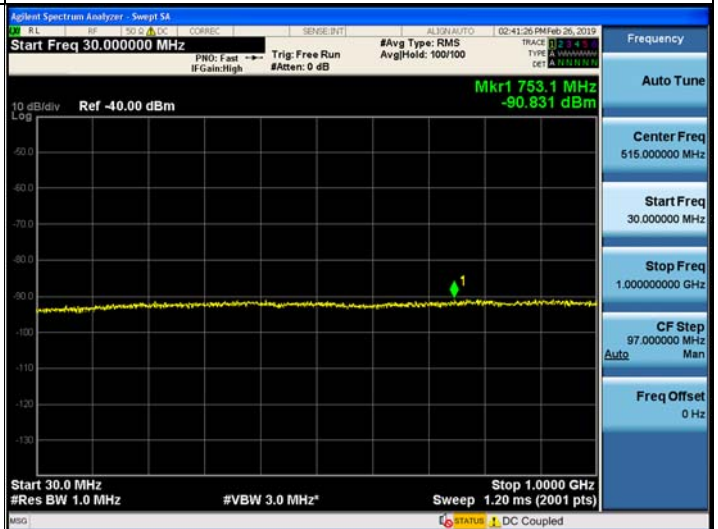
300 kHz ~ 30 MHz Peak



30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



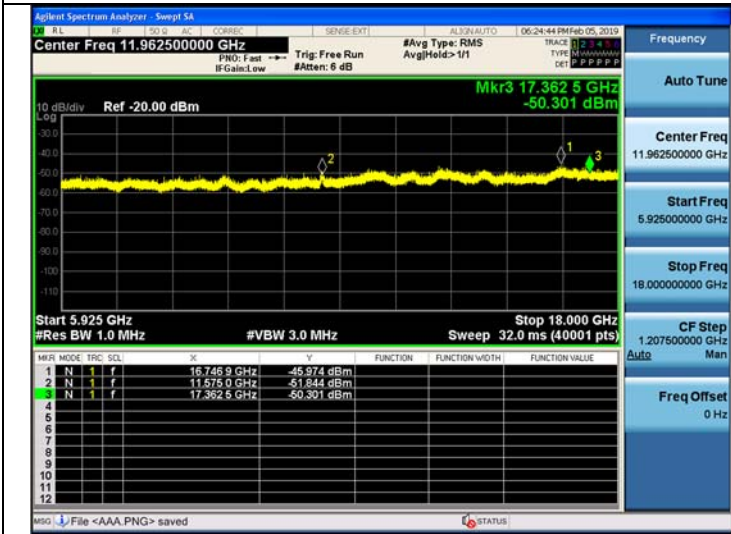
1 GHz ~ 5.65 GHz Peak



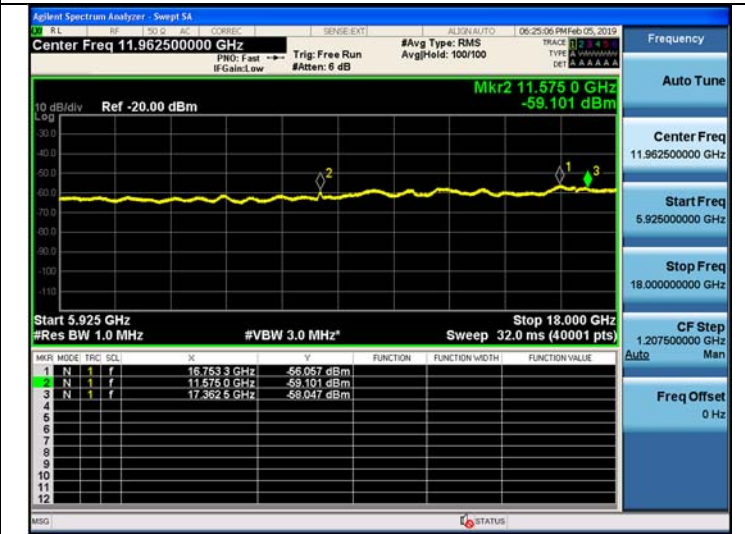
1 GHz ~ 5.65 GHz Aver



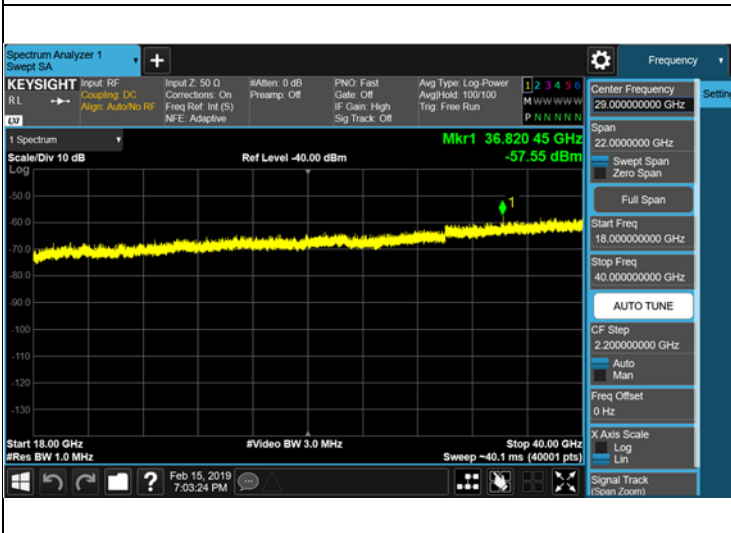
5.925 GHz ~ 18 GHz Peak



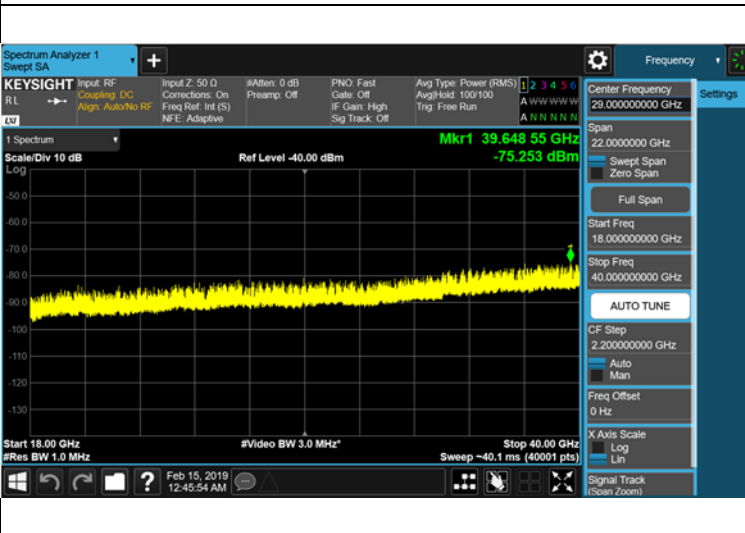
5.925 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

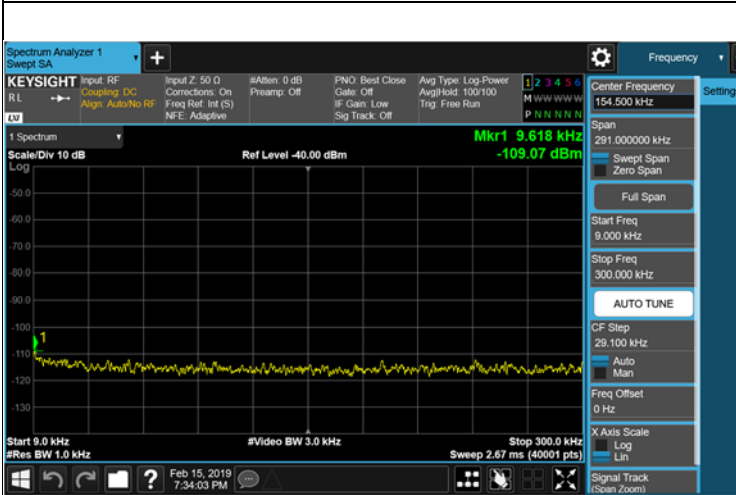


18 GHz ~ 40 GHz Aver

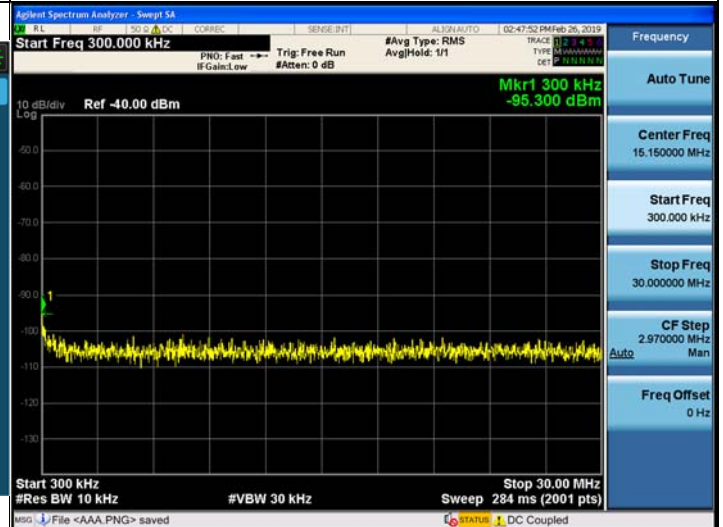


4CC 6 dBi Gain port1 UNII-1(64QAM Low)

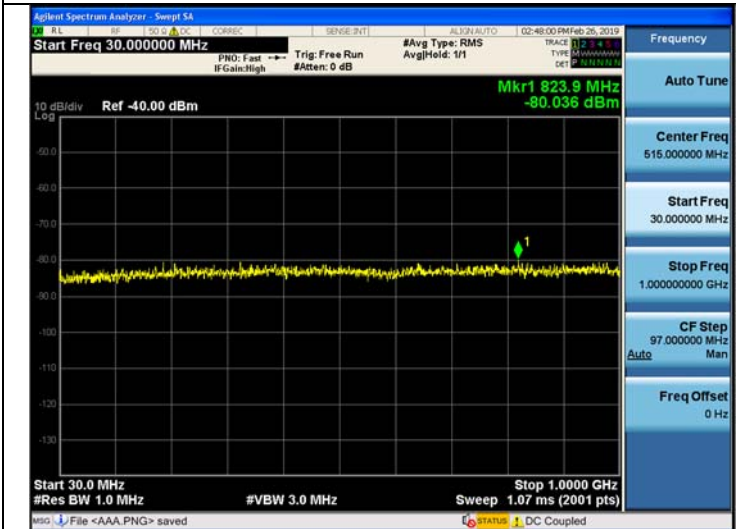
9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak



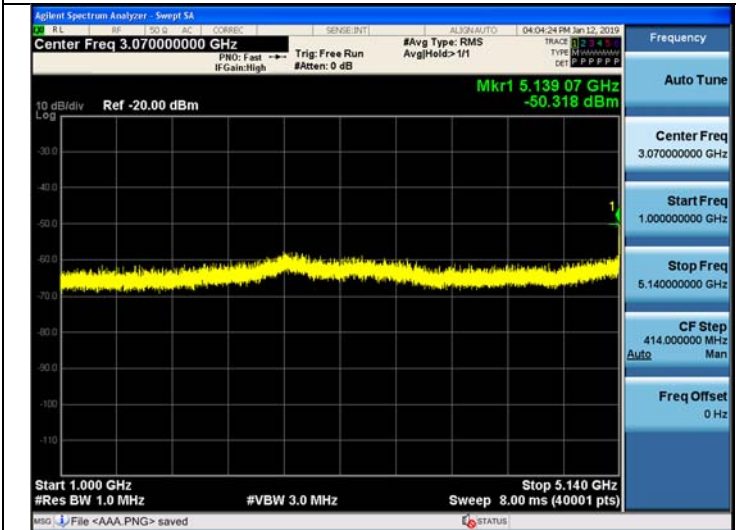
30 MHz ~ 1 GHz Peak



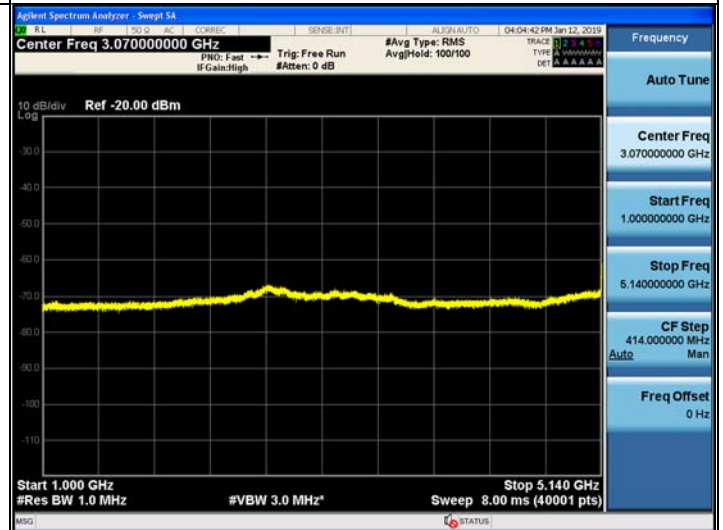
30 MHz ~ 1 GHz Aver



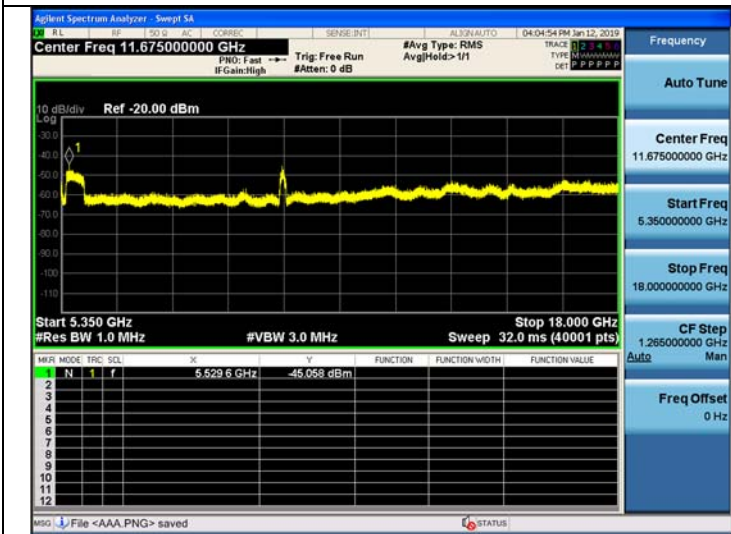
1 GHz ~ 5.14 GHz Peak



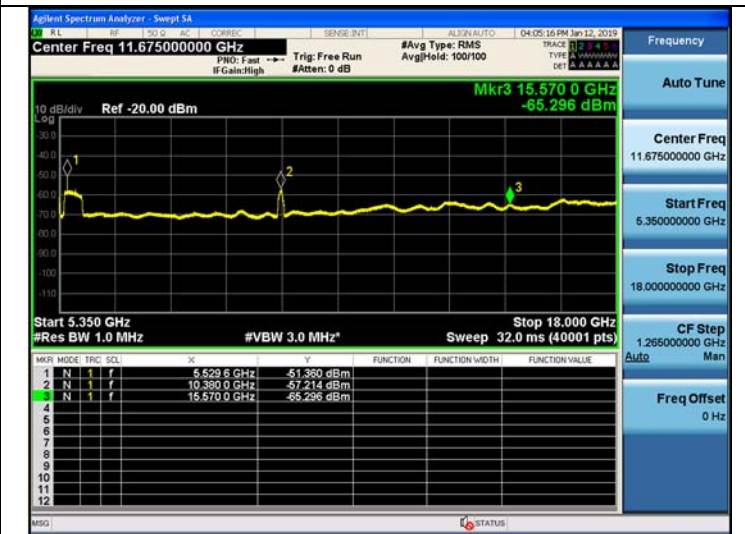
1 GHz ~ 5.14 GHz Aver



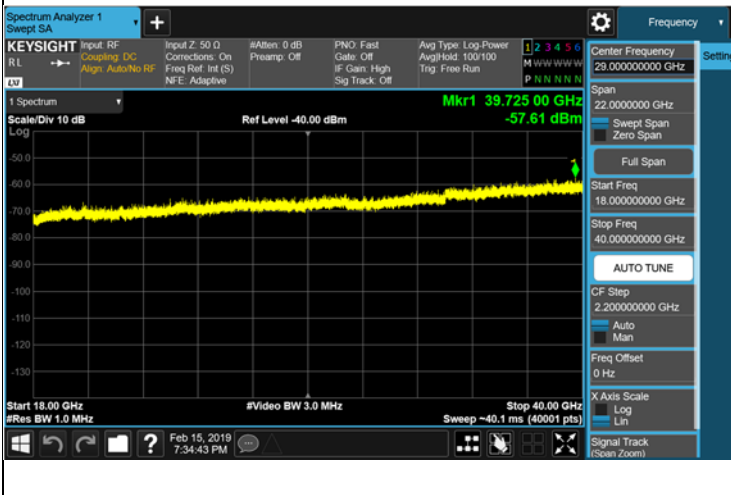
5.35 GHz ~ 18 GHz Peak



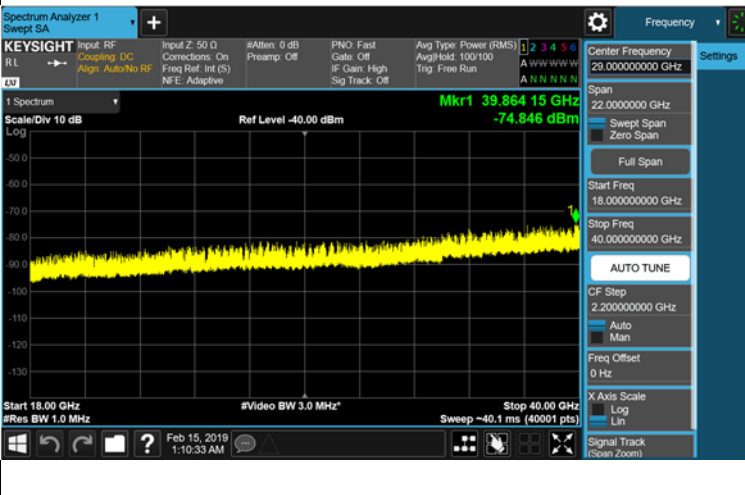
5.35 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

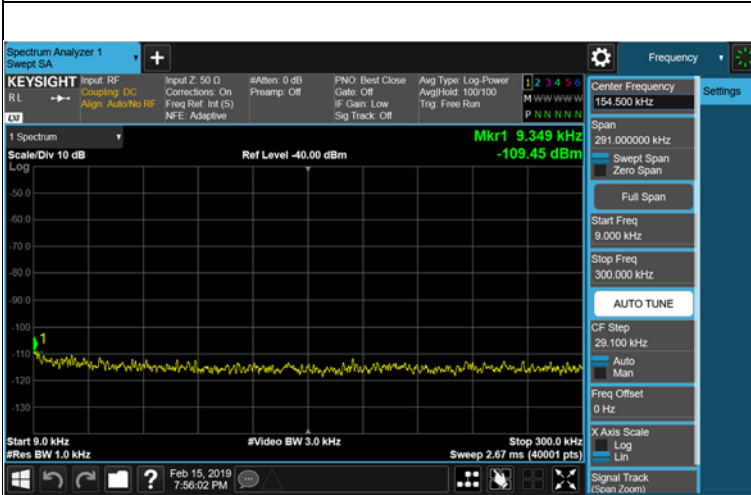


18 GHz ~ 40 GHz Aver

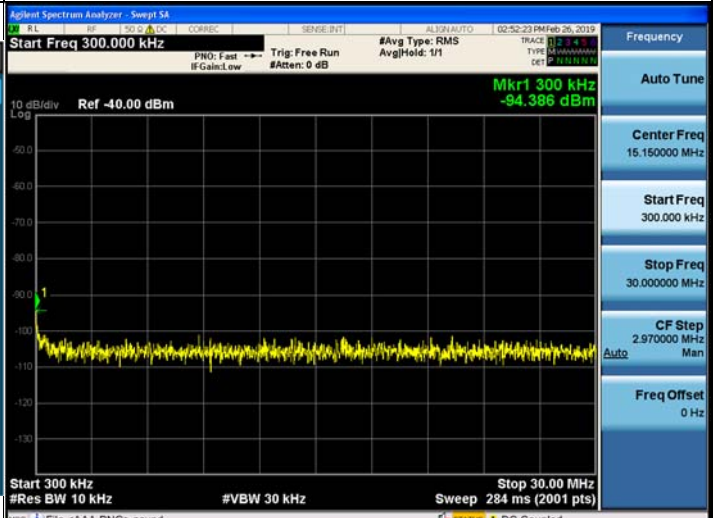


4CC 6 dBi Gain port1 UNII-3(64QAM Low)

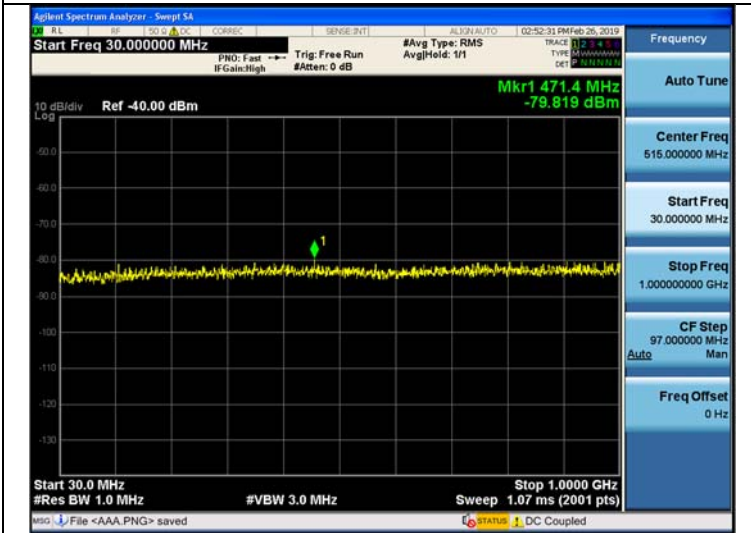
9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak



30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



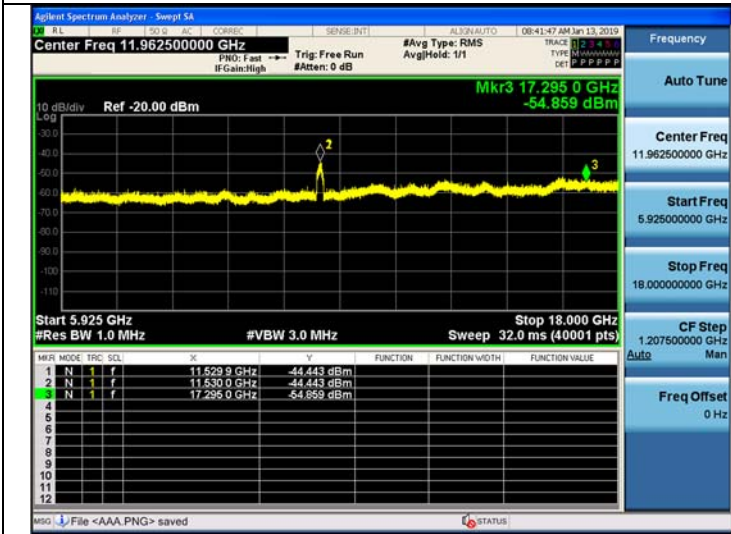
1 GHz ~ 5.65 GHz Peak



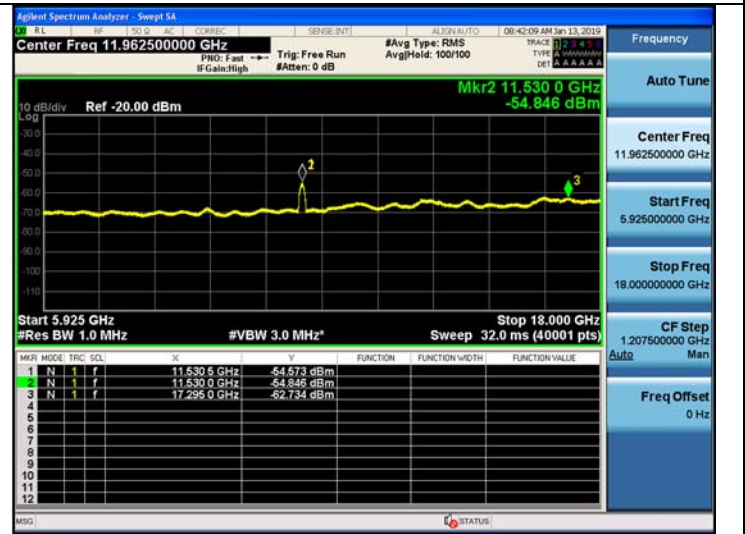
1 GHz ~ 5.65 GHz Aver



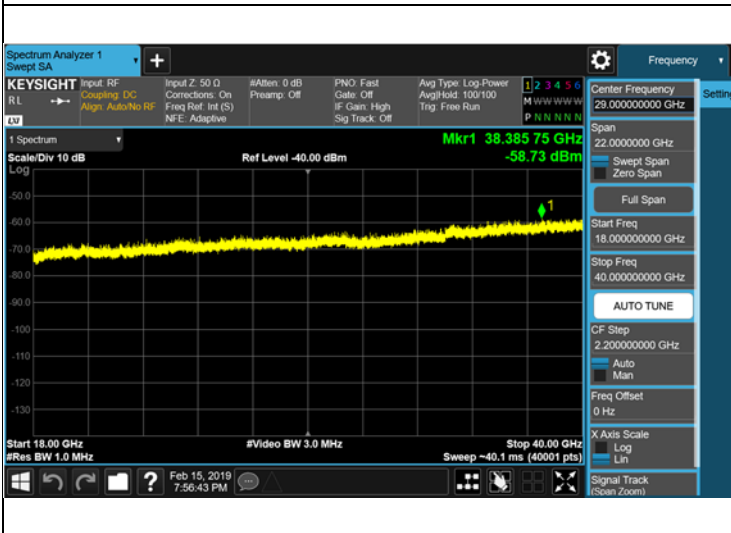
5.925 GHz ~ 18 GHz Peak



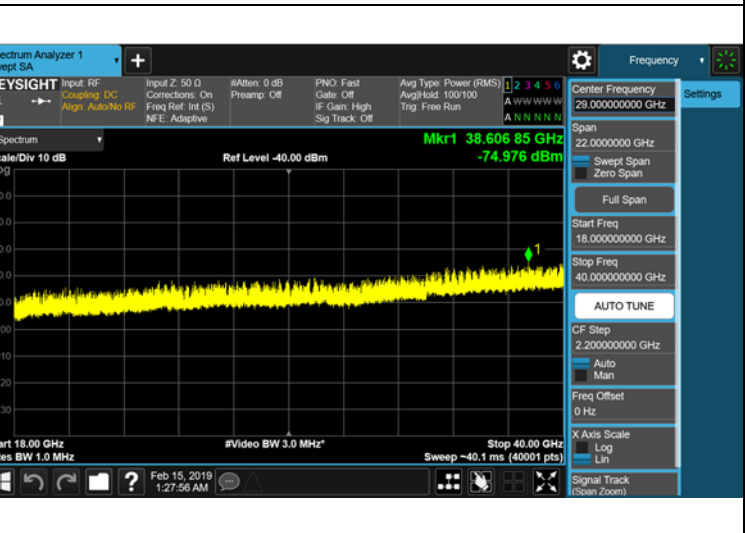
5.925 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

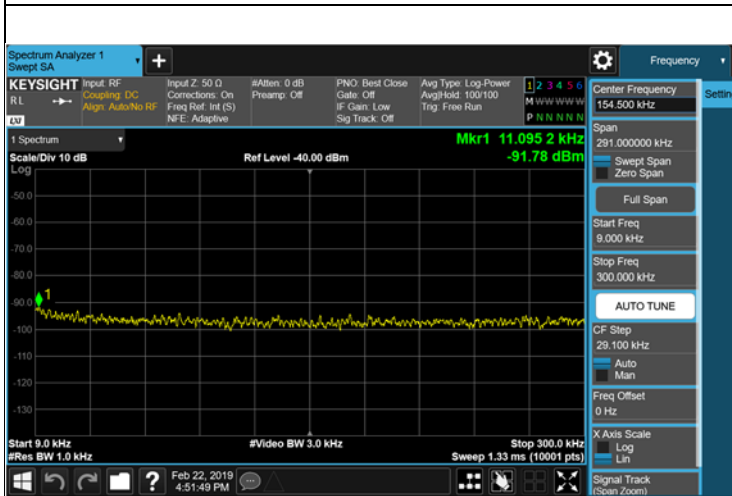


18 GHz ~ 40 GHz Aver

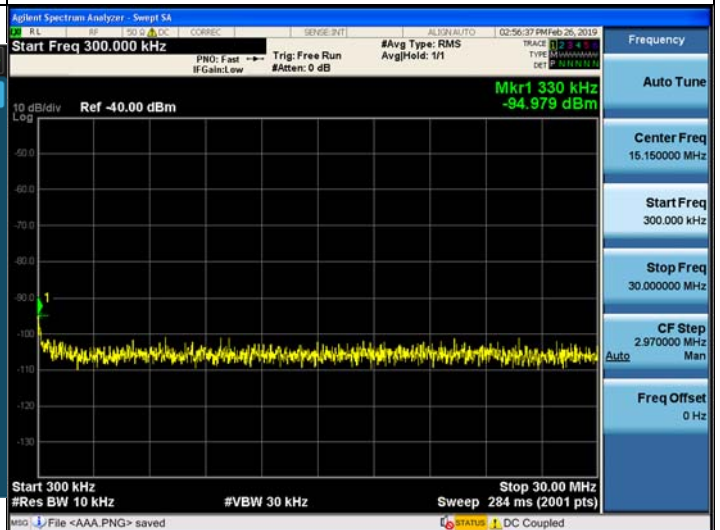


1CC 9 dBi Gain port1 UNII-1(16QAM High)

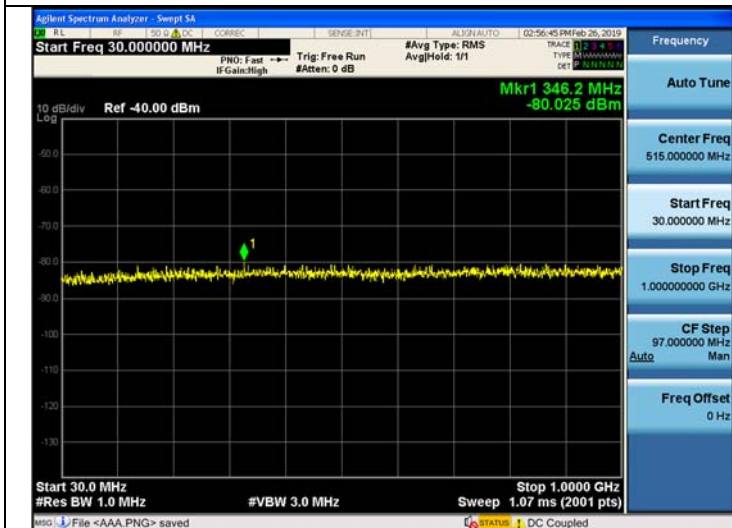
9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak



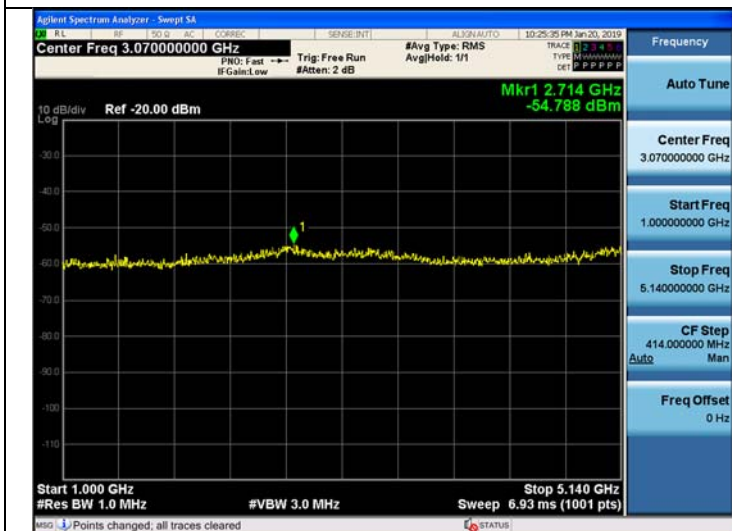
30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



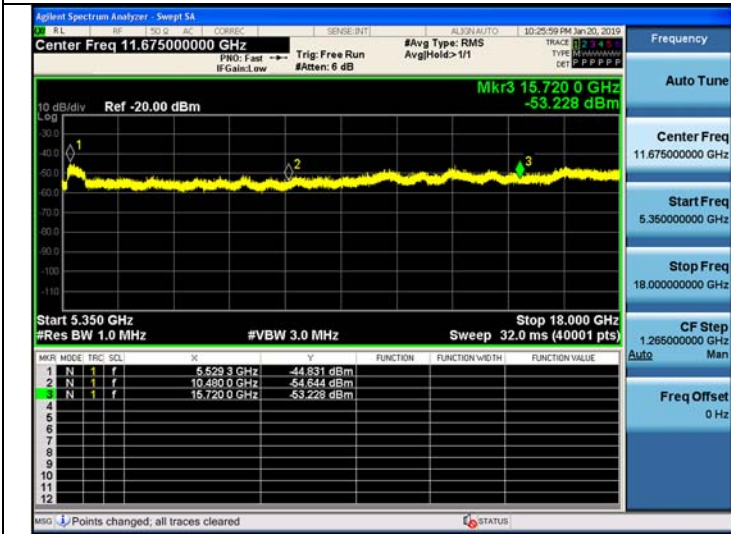
1 GHz ~ 5.14 GHz Peak



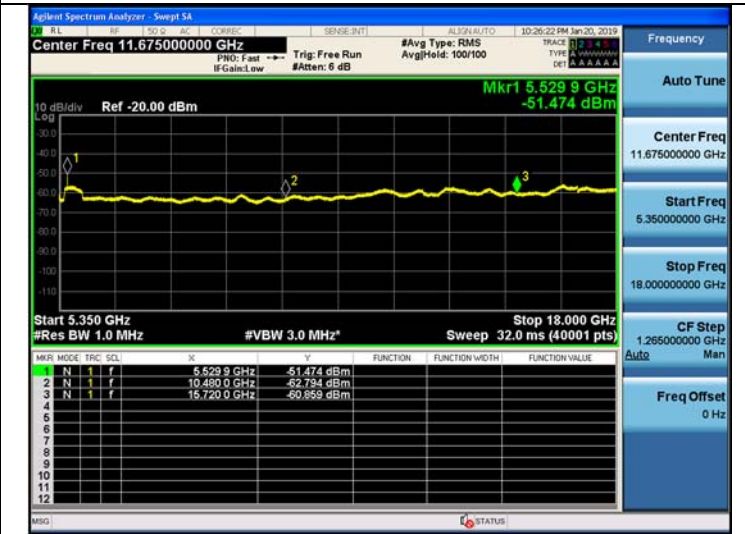
1 GHz ~ 5.14 GHz Aver



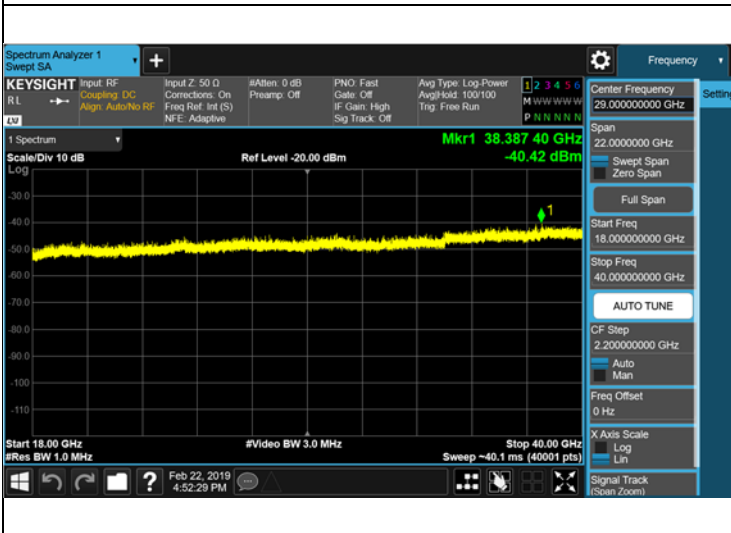
5.35 GHz ~ 18 GHz Peak



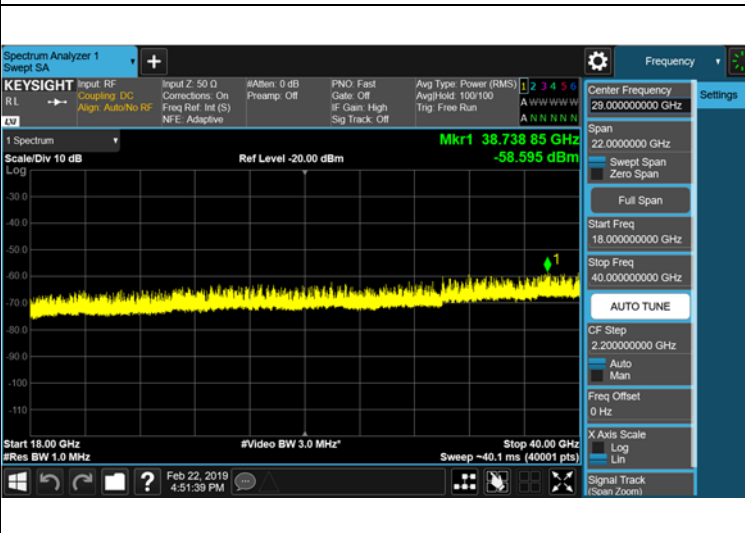
5.35 GHz ~ 18 GHz Aver



18 GHz ~ 40 GHz Peak

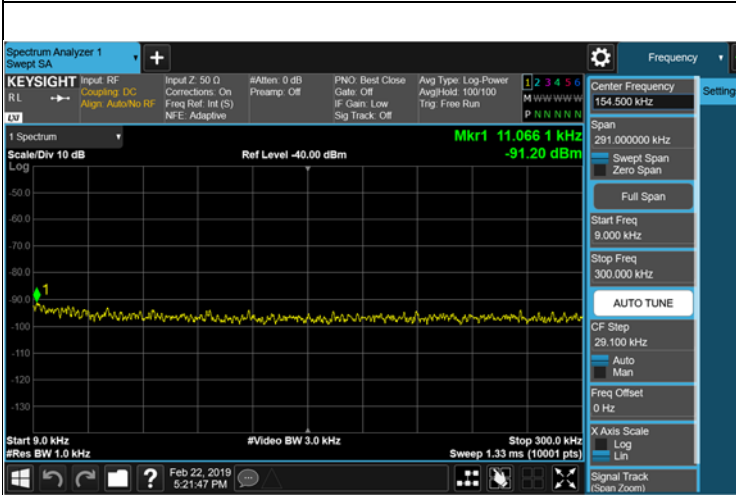


18 GHz ~ 40 GHz Aver

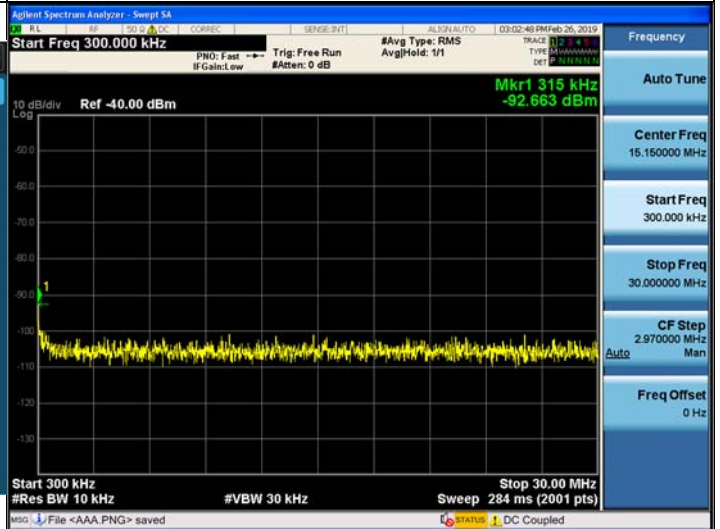


1CC 9 dBi Gain port1 UNII-3(256QAM Low)

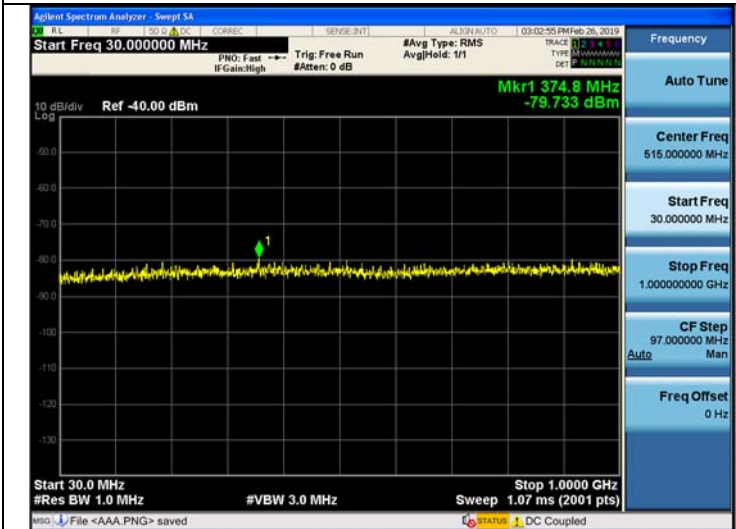
9 kHz ~ 300 kHz



300 kHz ~ 30 MHz Peak



30 MHz ~ 1 GHz Peak



30 MHz ~ 1 GHz Aver



1 GHz ~ 5.65 GHz Peak



1 GHz ~ 5.65 GHz Aver

