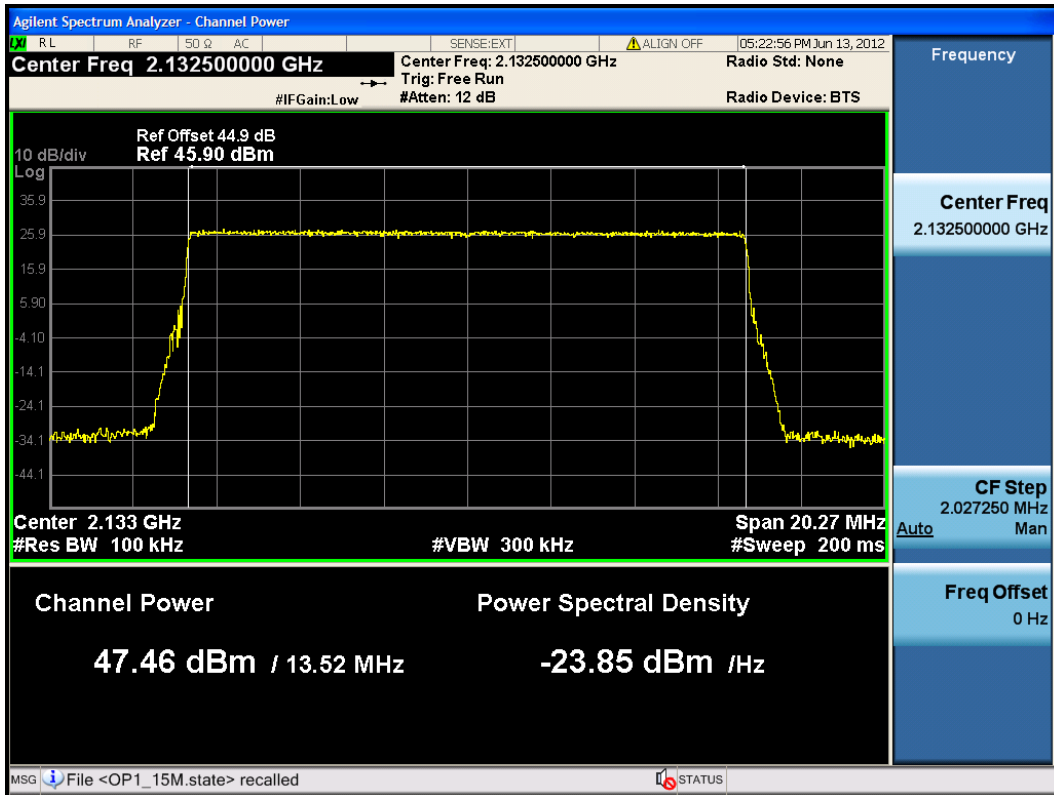
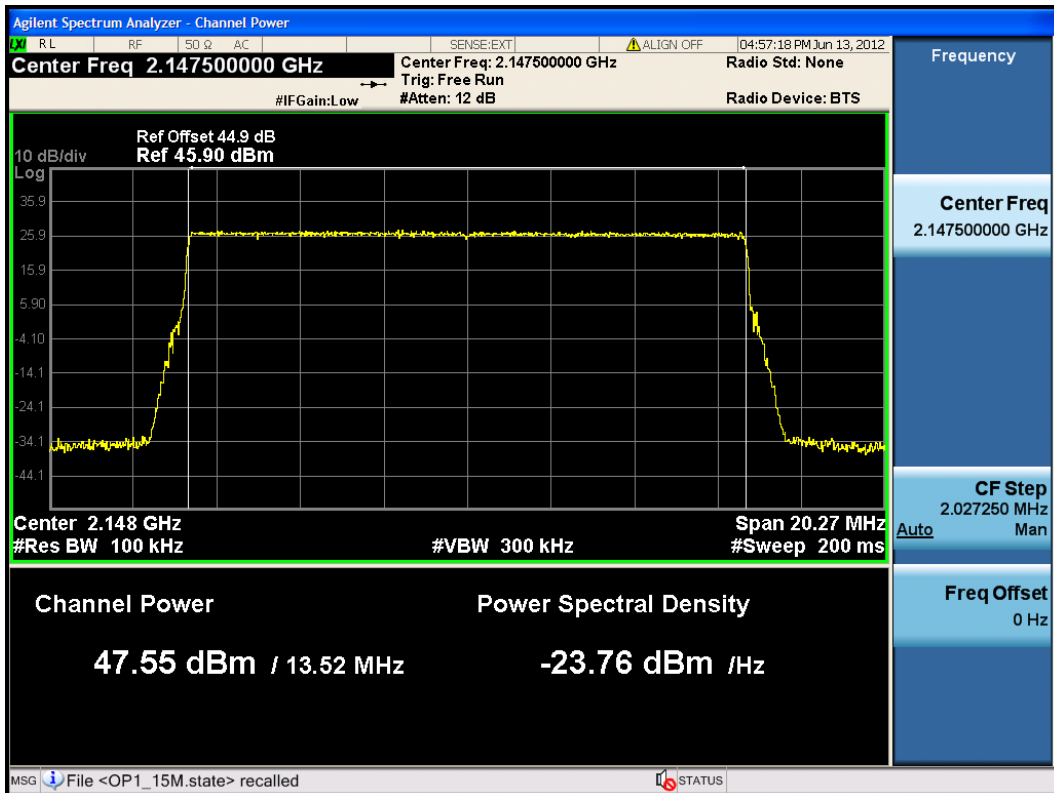




15M-Port 2 -2147.5MHz

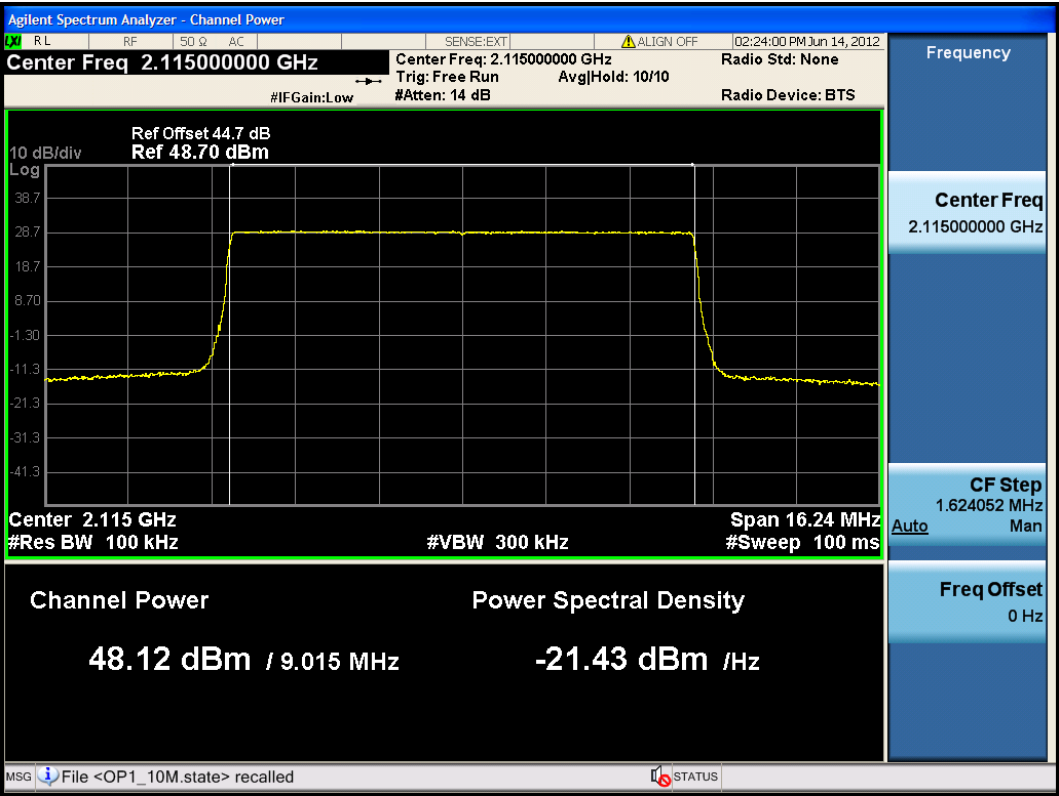


Channel Bandwidth :10M

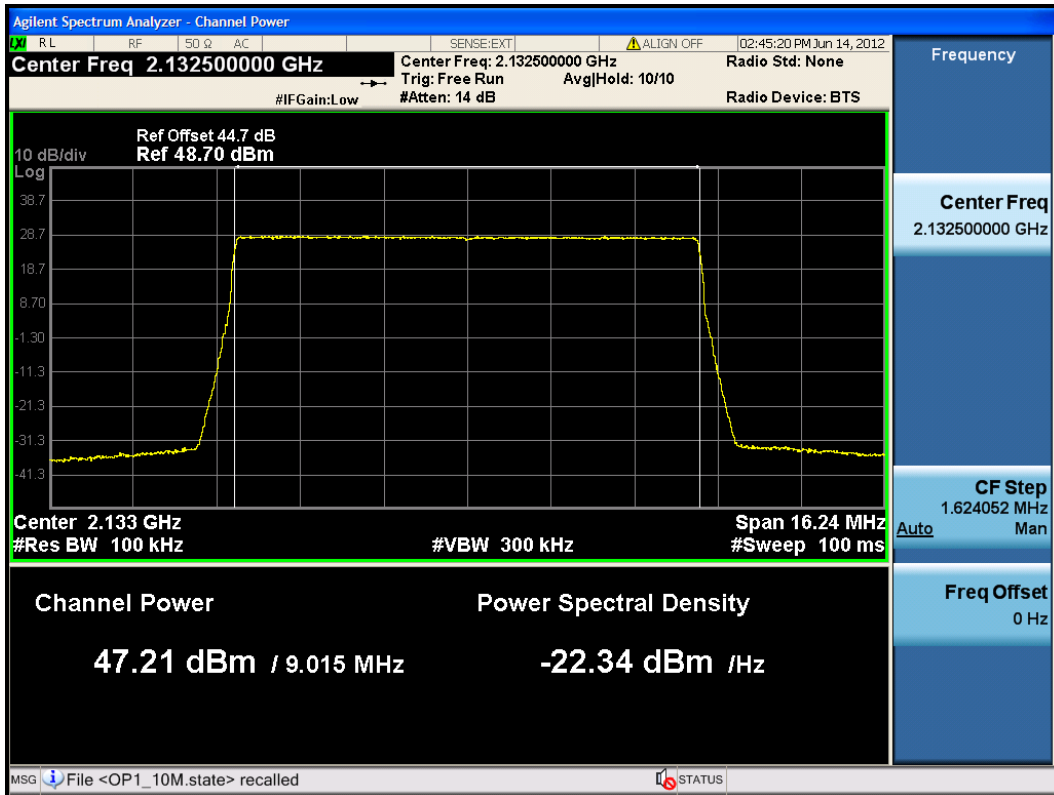
Port	Center Freq.	Max output	Antenn a gain	Cable Loss	Equivalent radiated	Total Power in W	Total Power in W
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	(MHz)	Power in dBm	dBi	dB	power dBm Of single antenna	Of single antenna	Of Two antenna
1	2115	48.12	15	1.5	61.62	1452.11	2904.22
	2132.5	47.21	15	1.5	60.71	1177.60	2355.21
	2150	47.44	15	1.5	60.94	1241.65	2483.30
2	2115	47.89	15	1.5	61.39	1377.20	2754.41
	2132.5	47.33	15	1.5	60.83	1210.59	2421.19
	2150	47.61	15	1.5	61.11	1291.21	2582.43

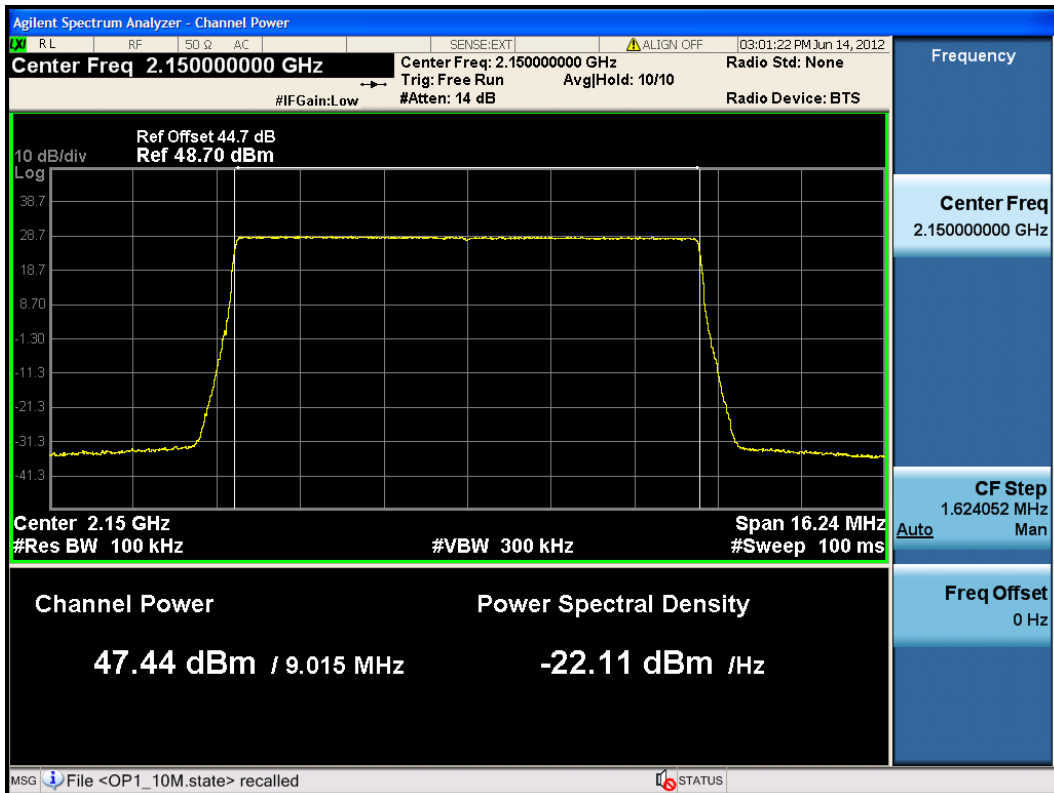
10M-Port 1 -2115MHz



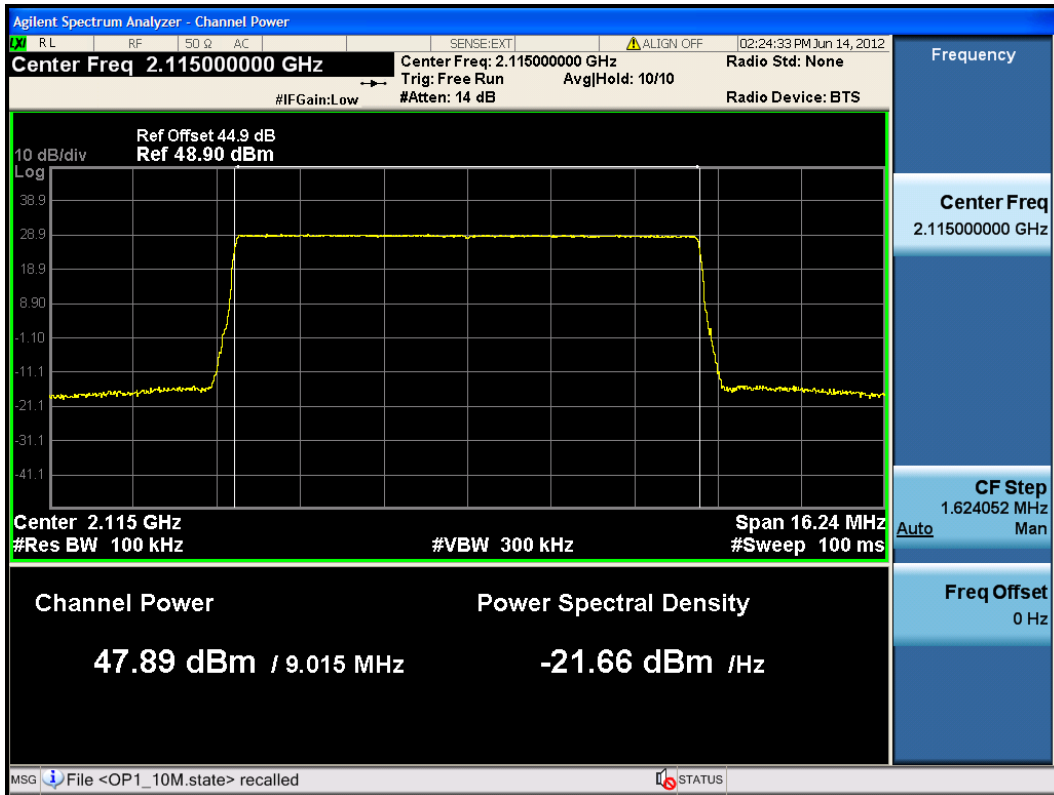
10M-Port 1 -2132.5MHz



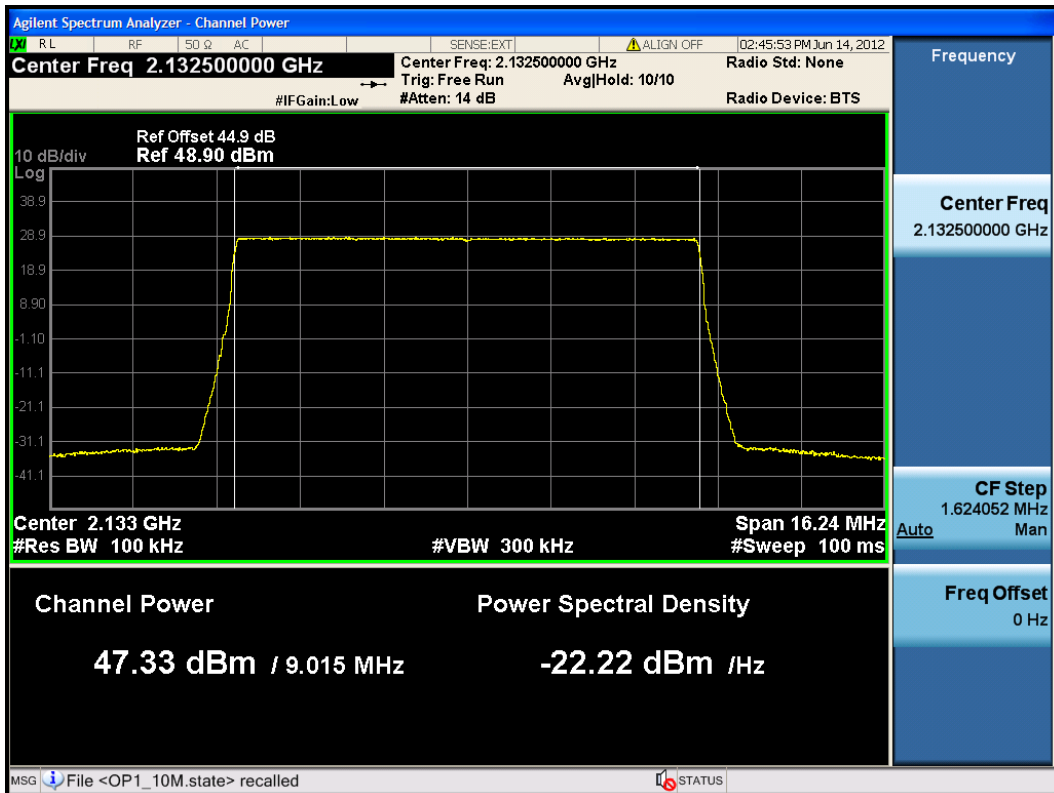
10M-Port 1 -2150MHz



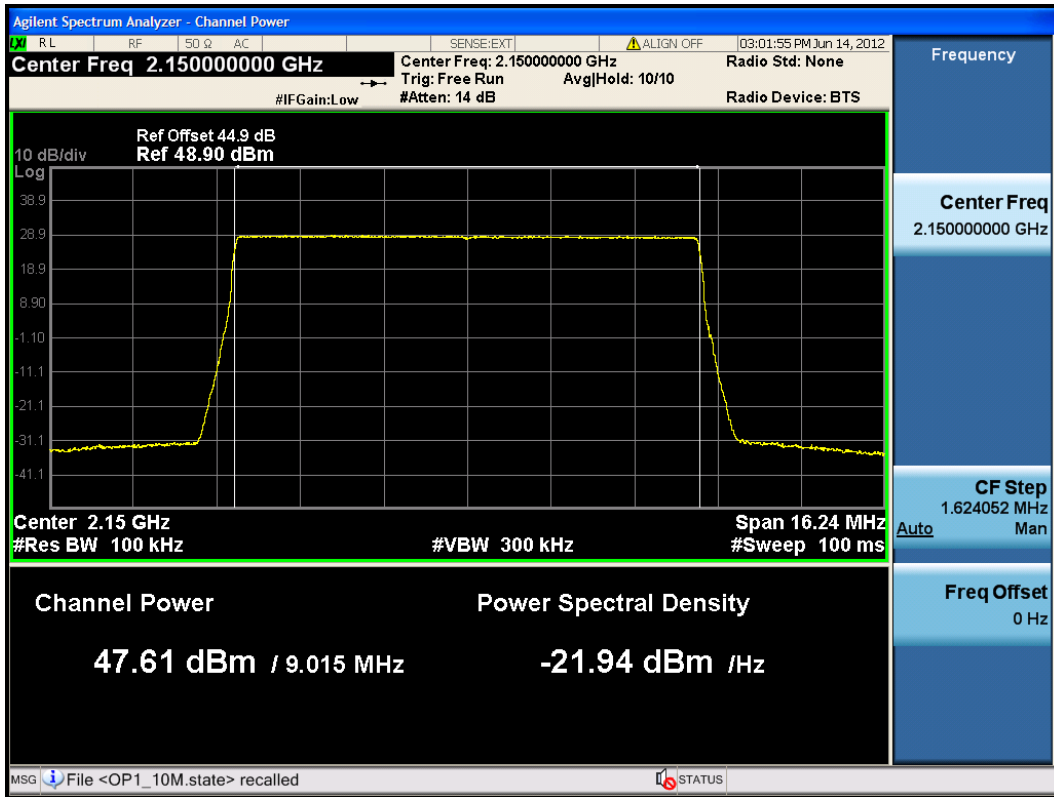
10M-Port 2 -2115MHz



10M-Port 2 -2132.5MHz



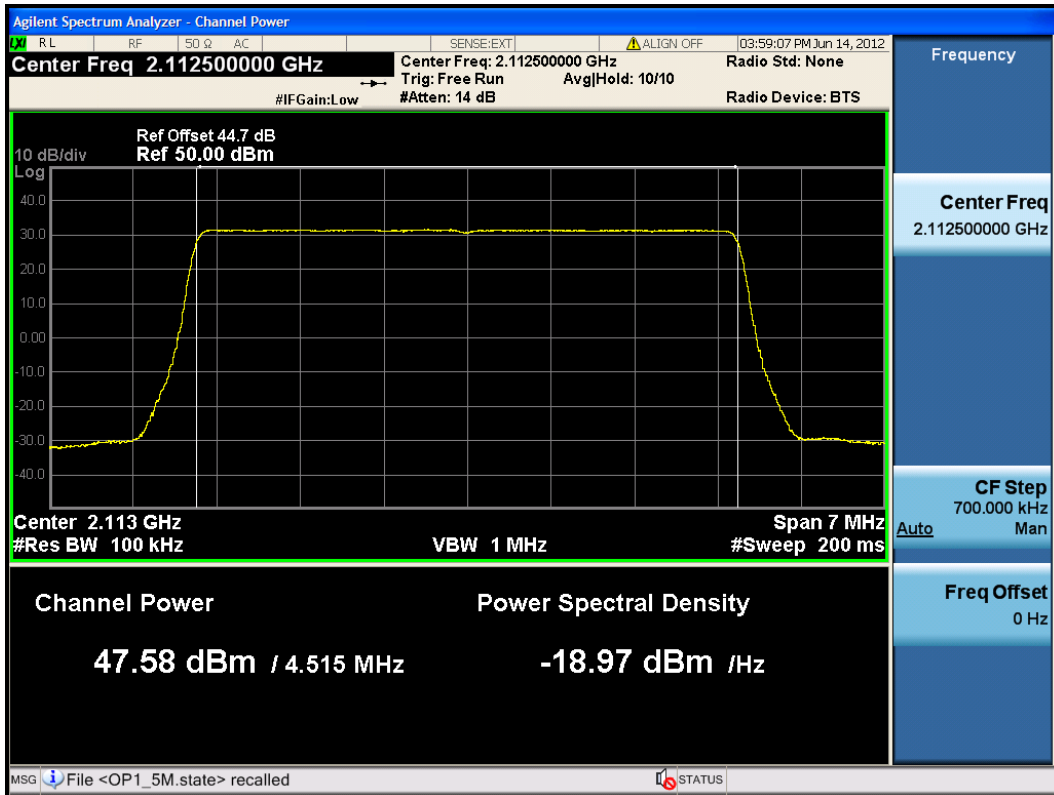
10M-Port 2 -2150MHz



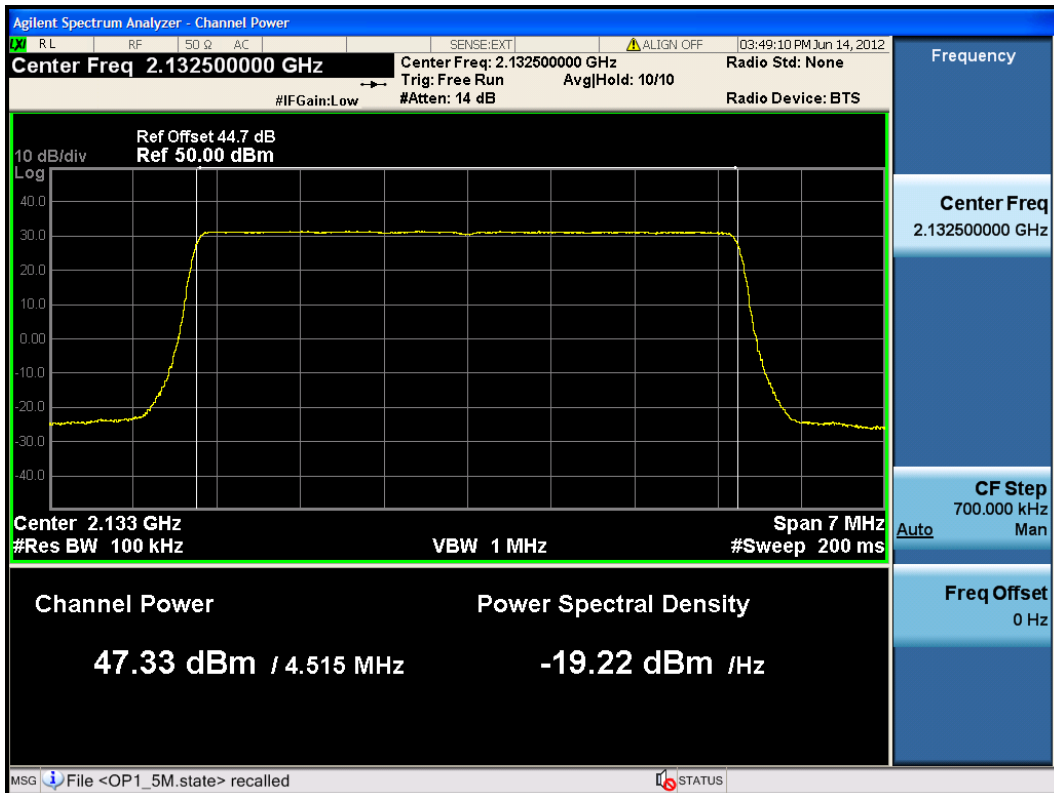
Channel Bandwidth :5M

Port	Center Freq. (MHz)	Max output Power in dBm	Antenn a gain dBi	Cable Loss dB	Equivalent radiated power dBm Of single antenna	Total Power in W Of single antenna	Total Power in W Of Two antenna
1	2112.5	47.58	15	1.5	61.08	1282.33	2564.66
	2132.5	47.33	15	1.5	60.83	1210.59	2421.19
	2152.5	47.68	15	1.5	61.18	1312.2	2624.39
2	2112.5	47.59	15	1.5	61.09	1285.28	2570.57
	2132.5	47.55	15	1.5	61.05	1273.50	2547.00
	2152.5	47.58	15	1.5	61.08	1282.33	2564.66

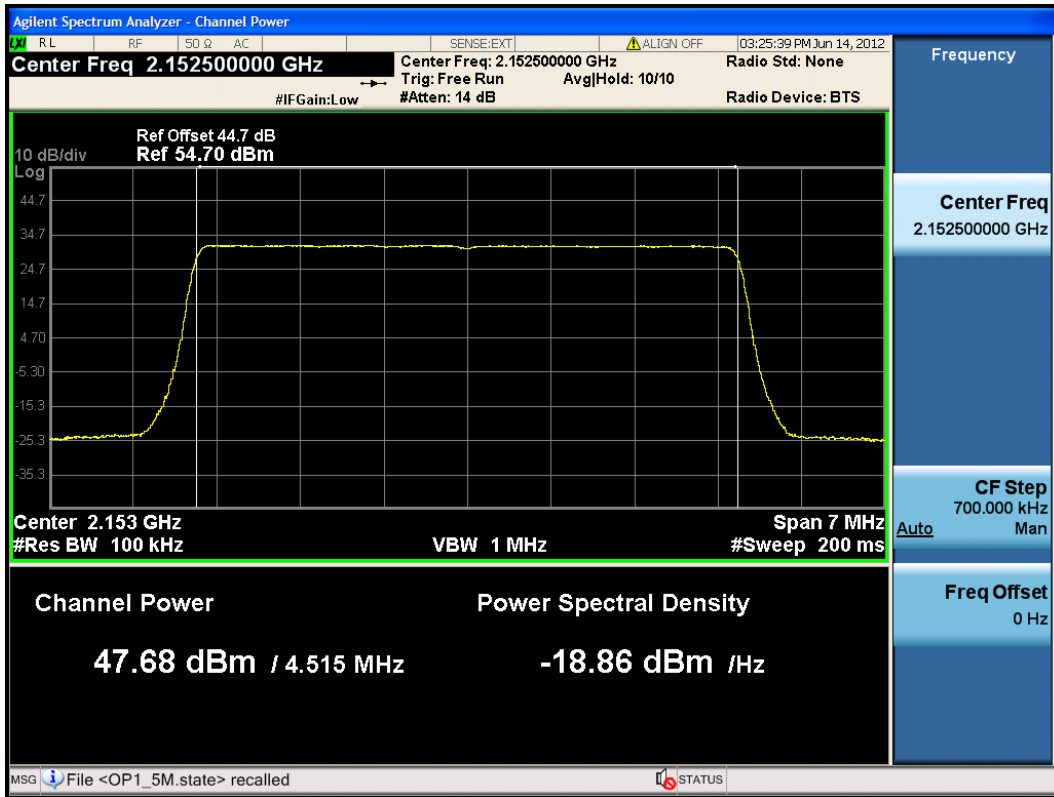
5M-Port 1 -2112.5MHz



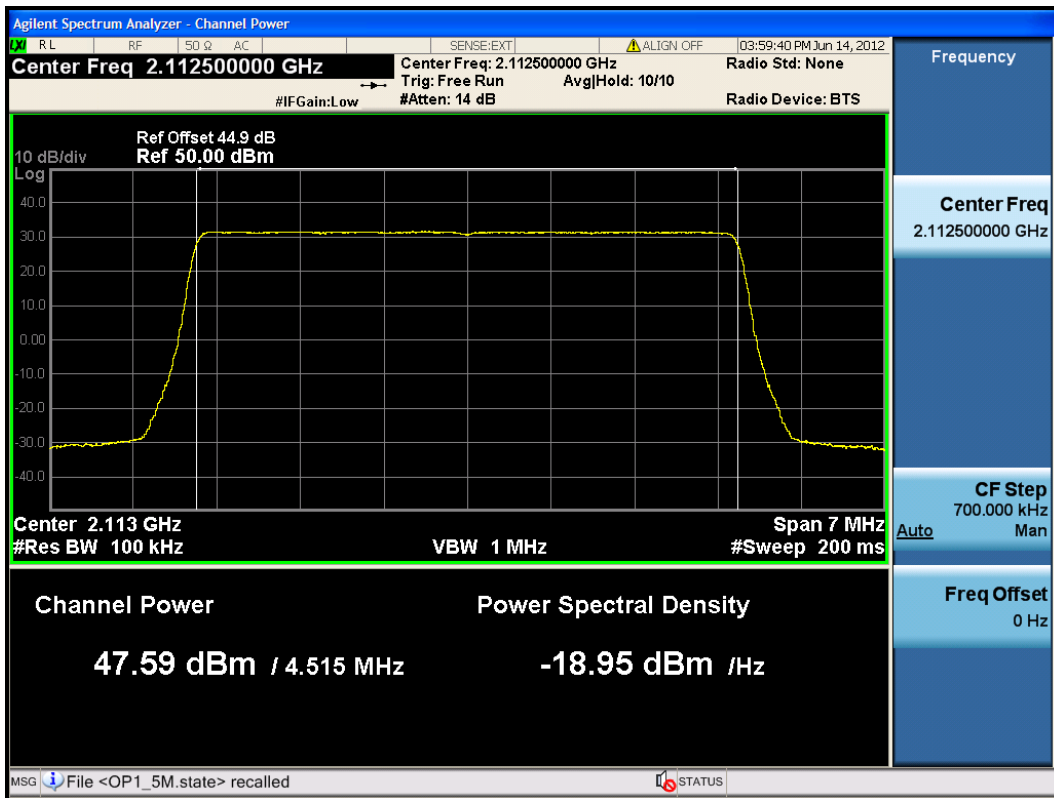
5M-Port 1 -2132.5MHz



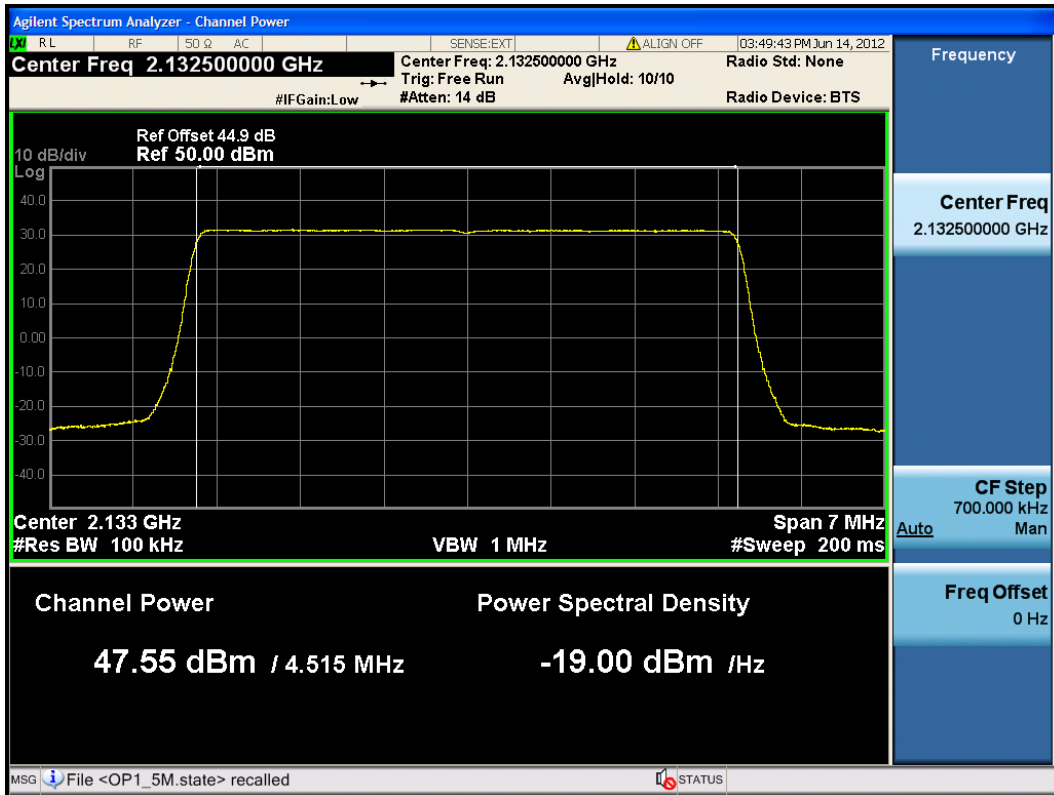
5M-Port 1 -2152.5MHz



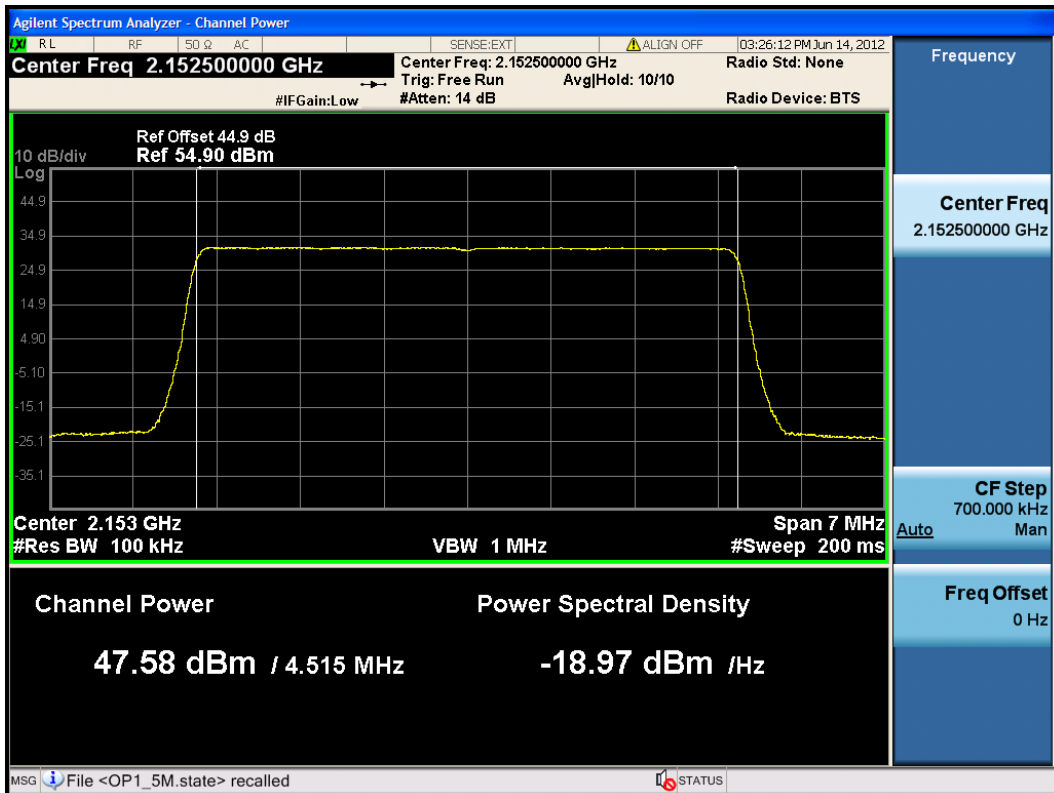
5M-Port 2 -2112.5MHz



5M-Port 2 -2132.5MHz



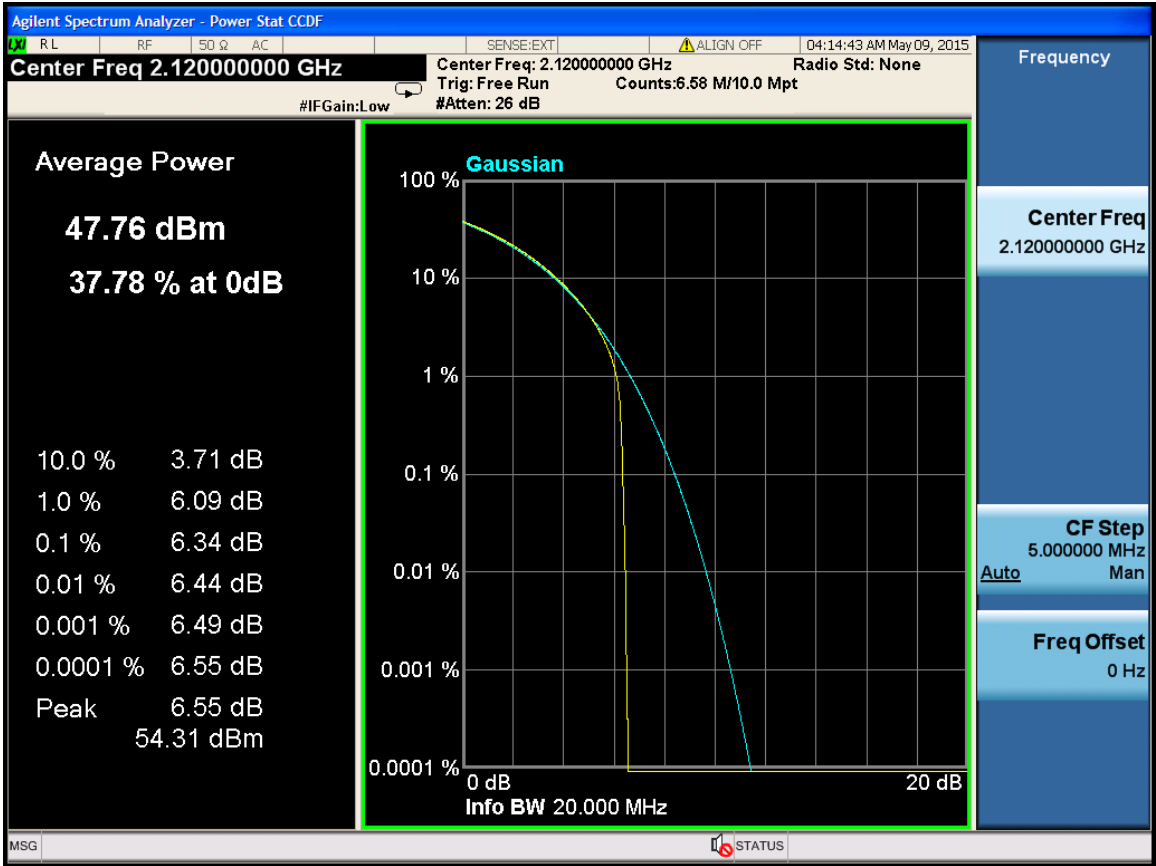
5M-Port 2 -2152.5MHz

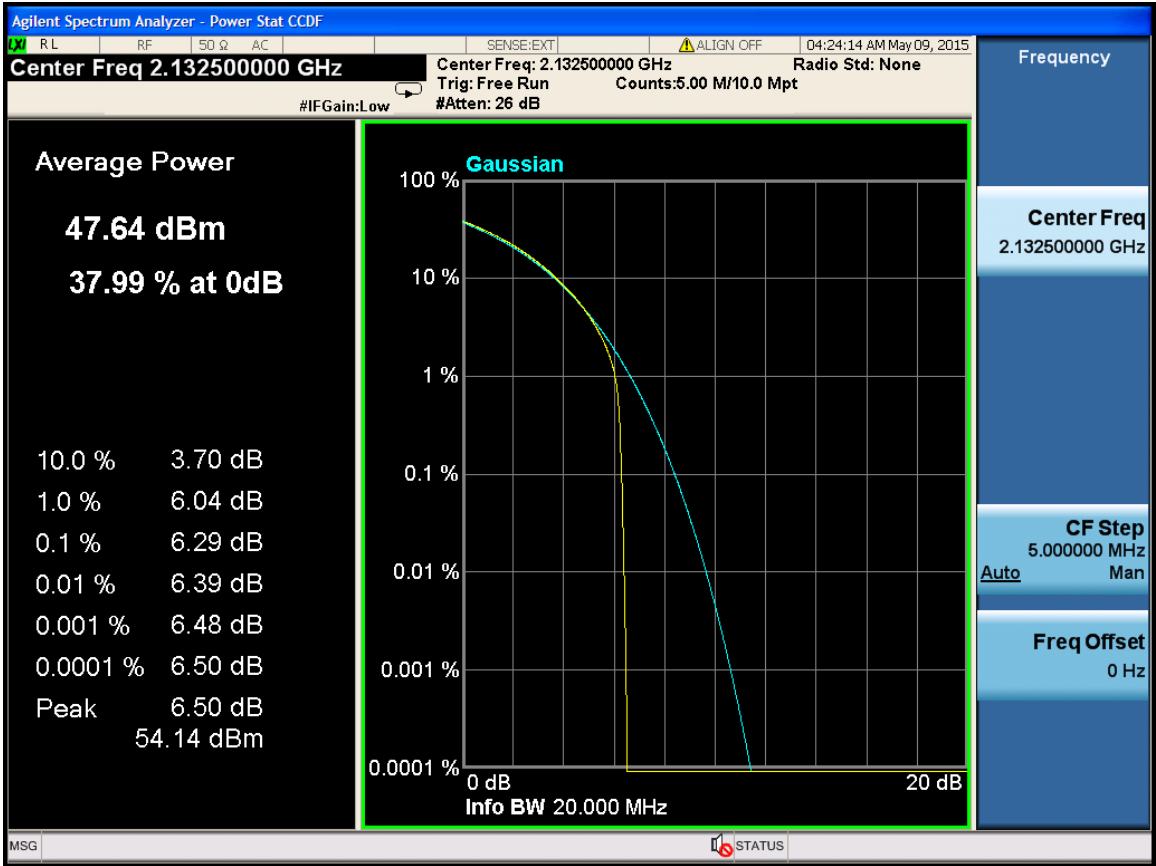


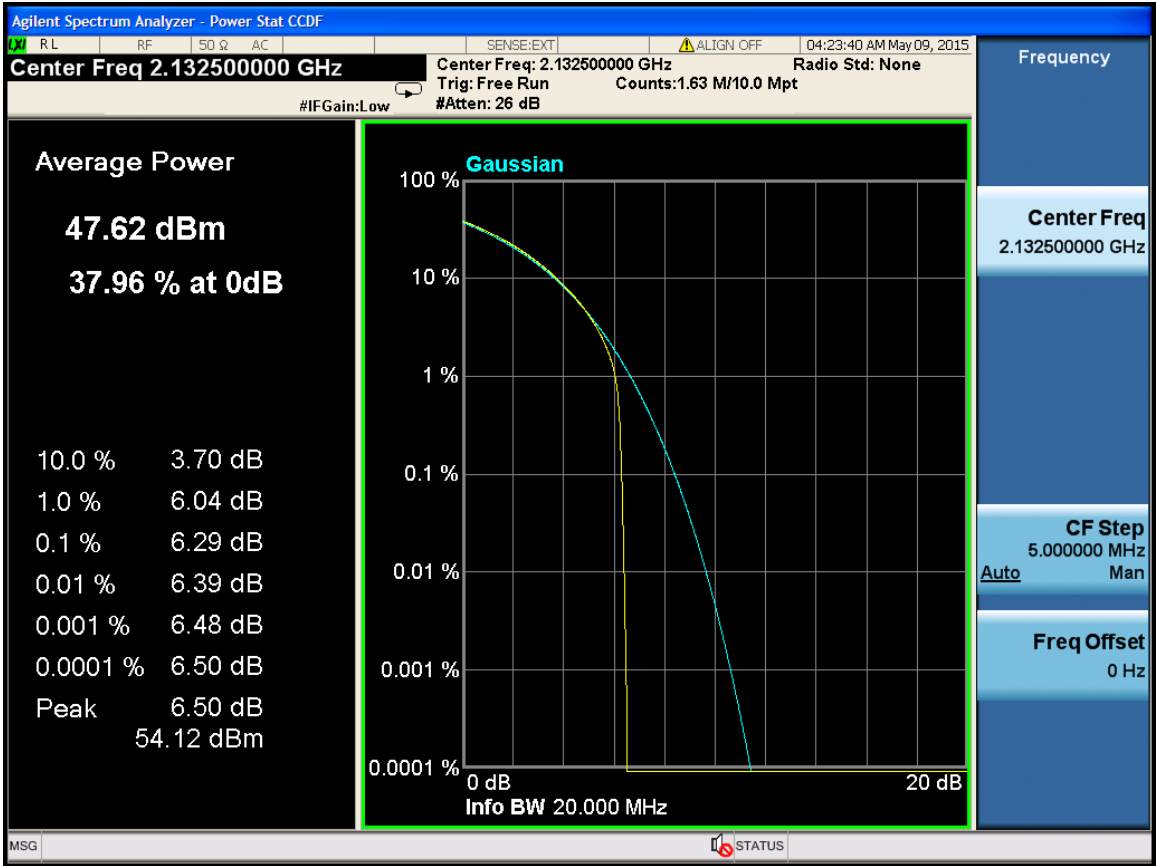
PARP

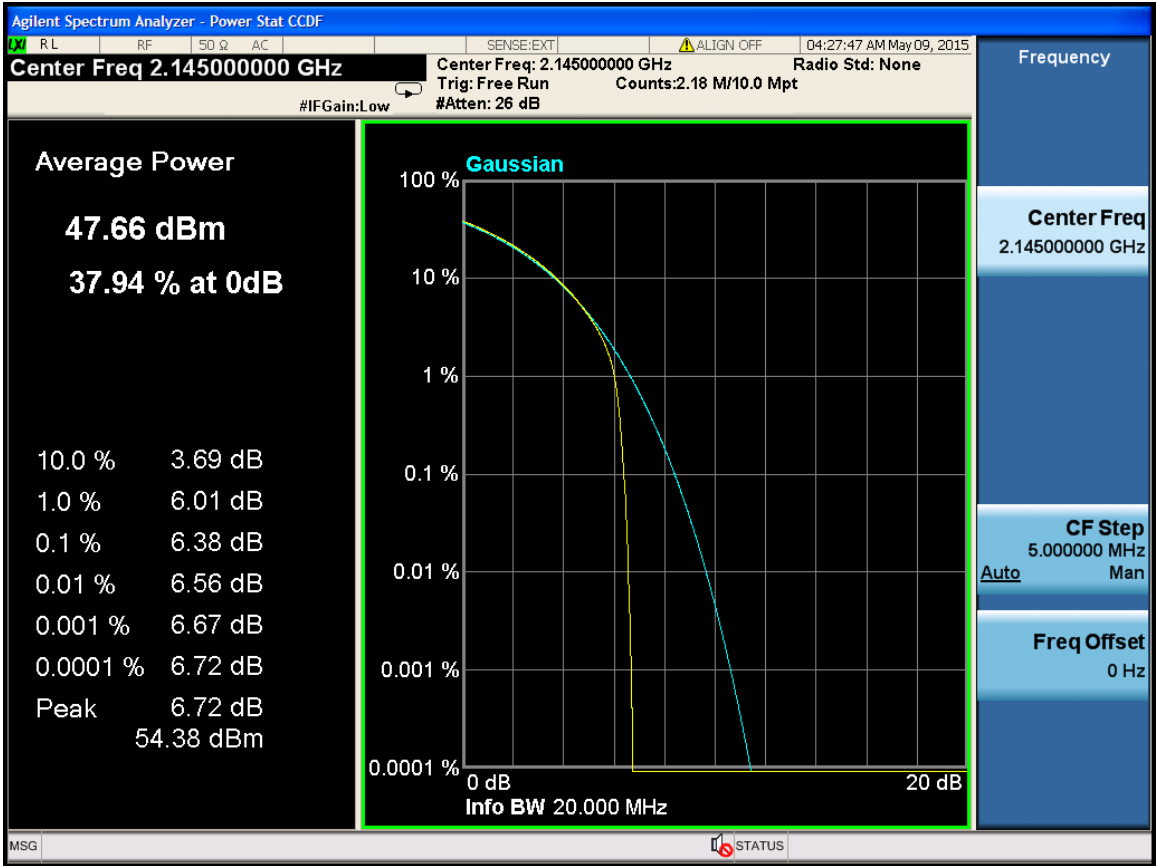
Configuration	Carrier Freq. (MHz)	Port	PARP@0.1%	Limit
20M	2120	1	6.28	<13dB
		2	6.34	
	2132.5	1	6.29	<13dB
		2	6.29	
	2145	1	6.39	<13dB
		2	6.38	

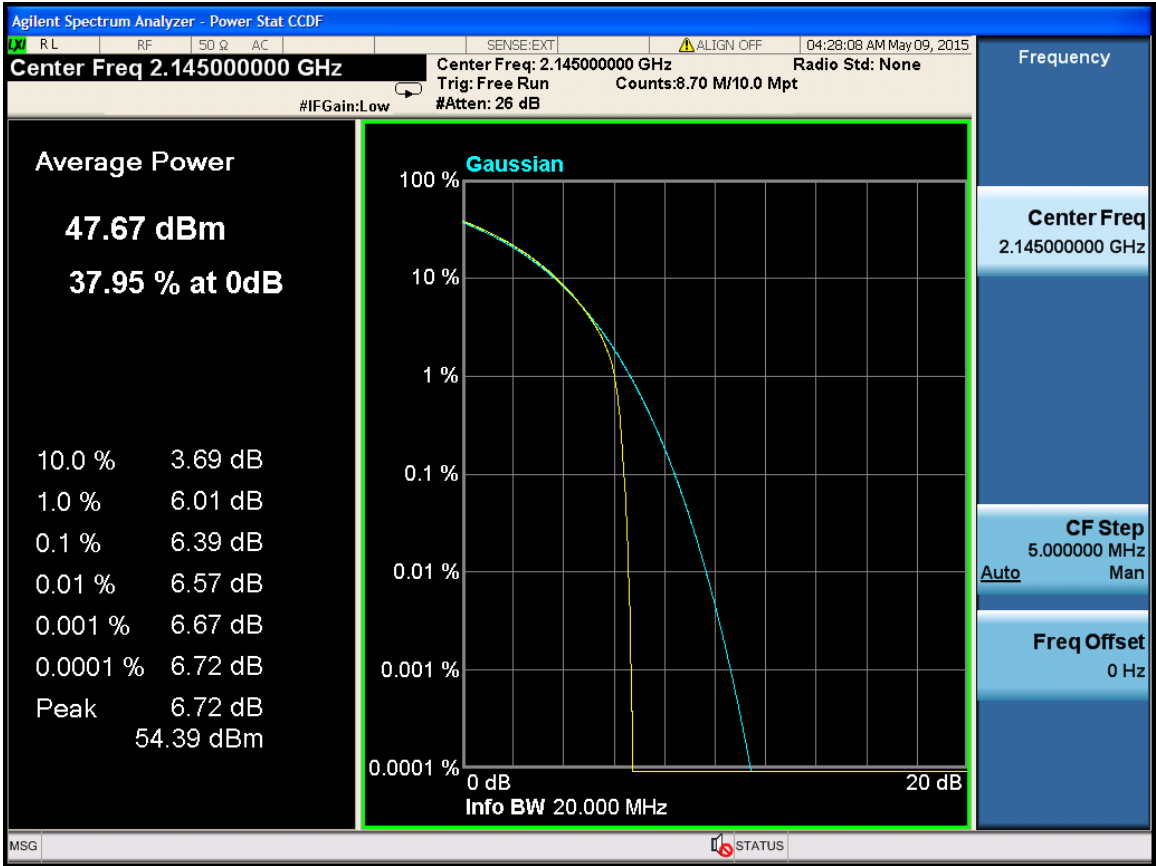




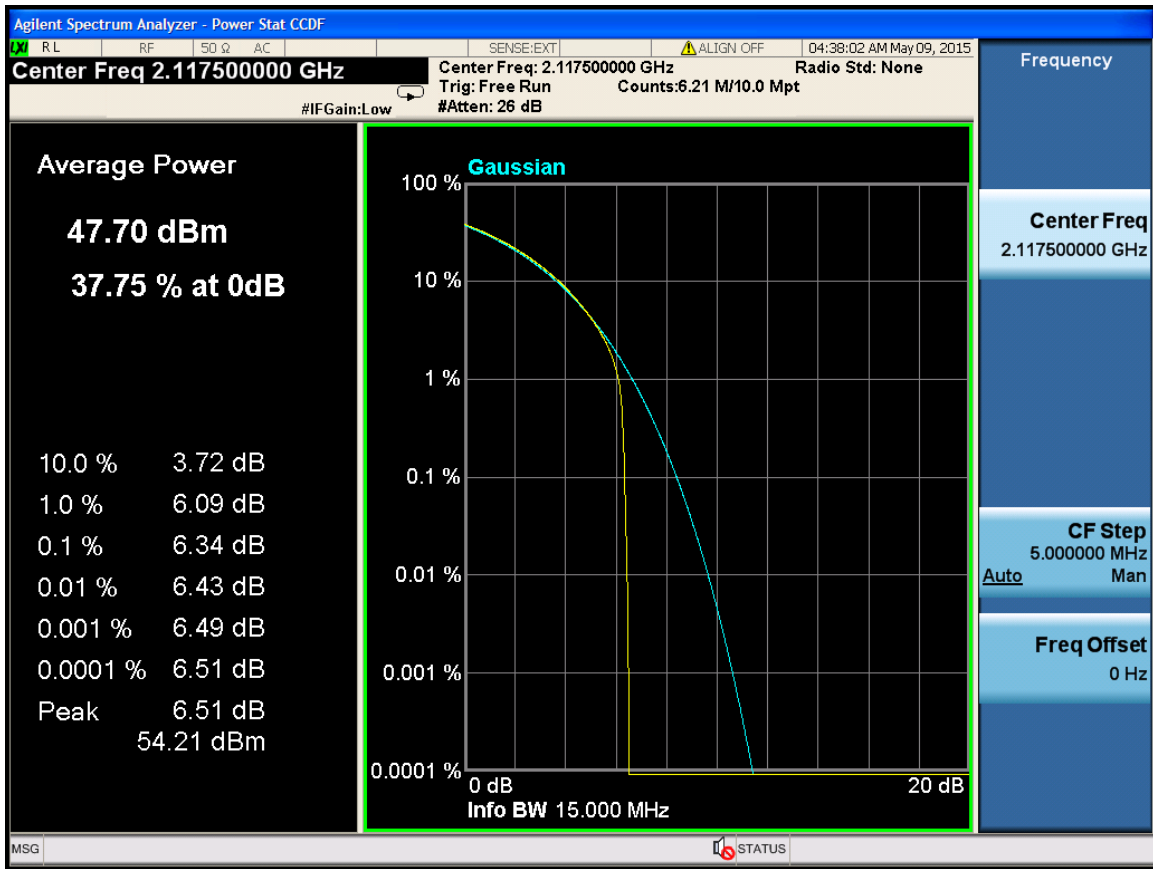


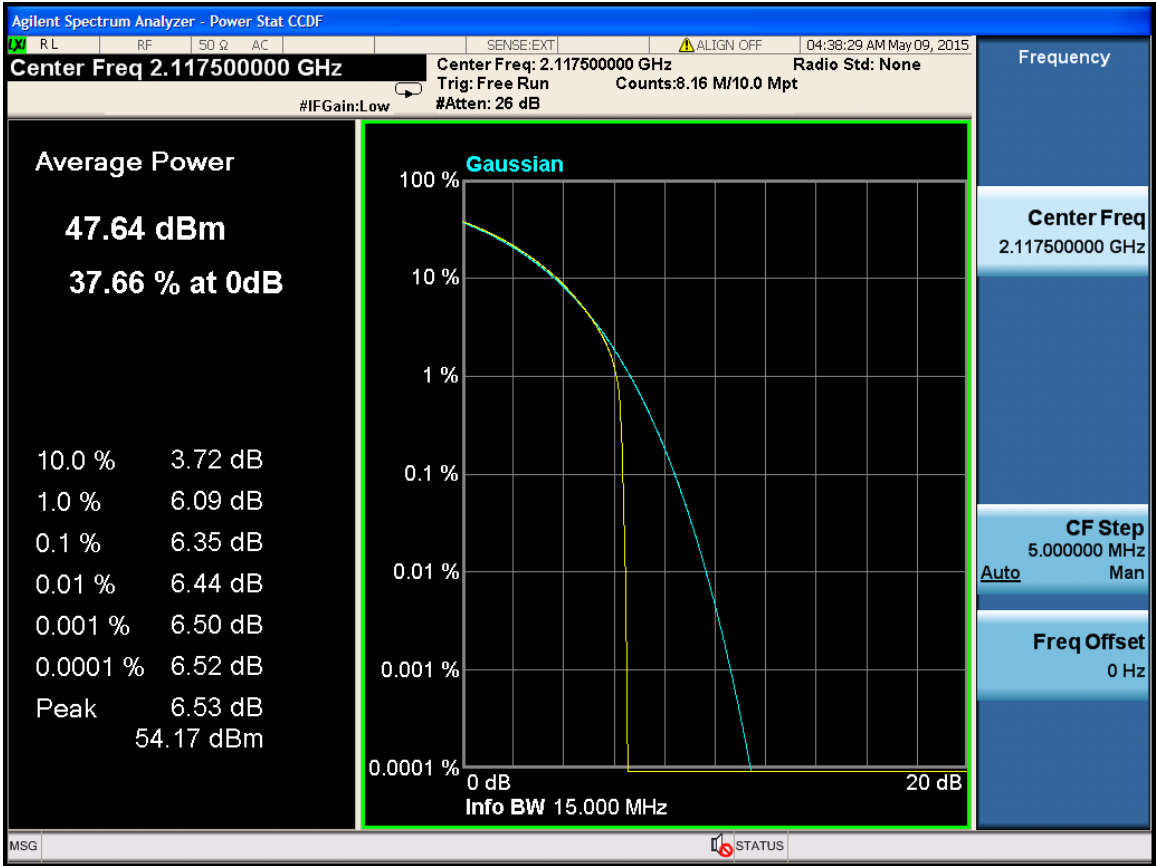


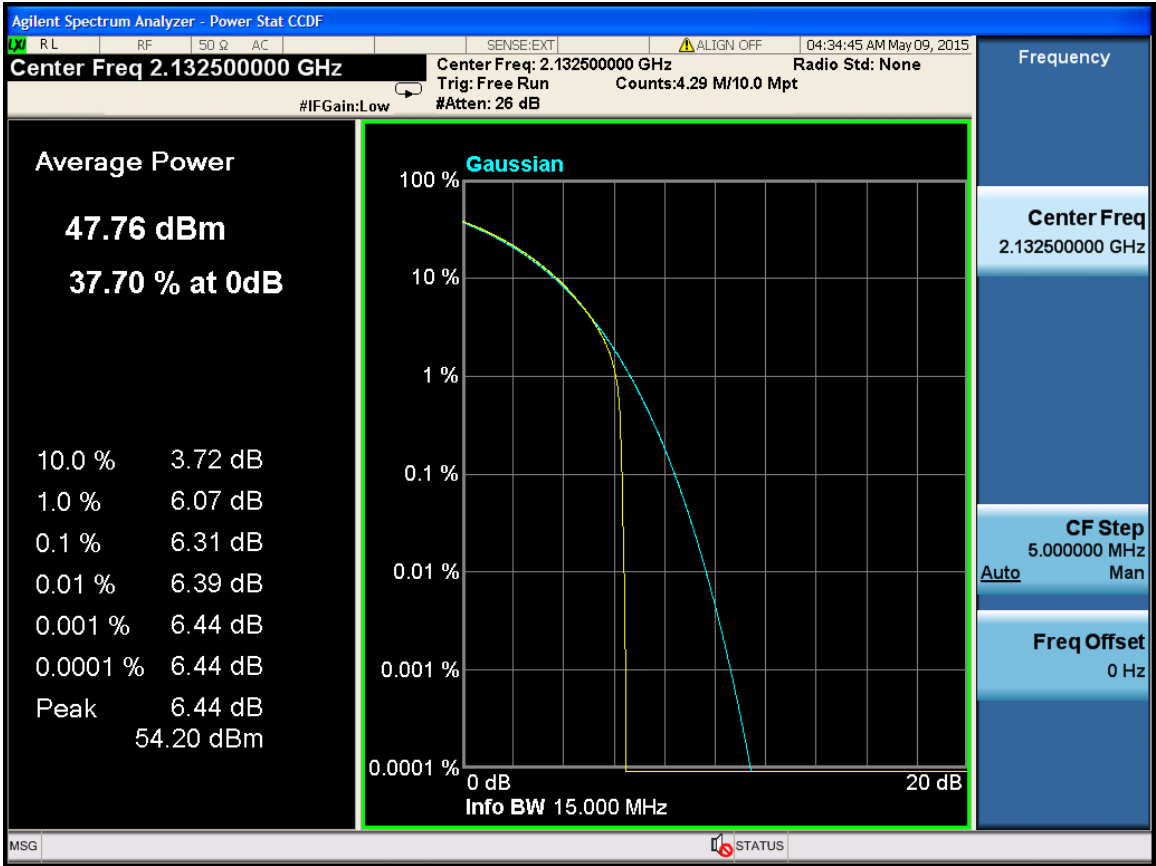


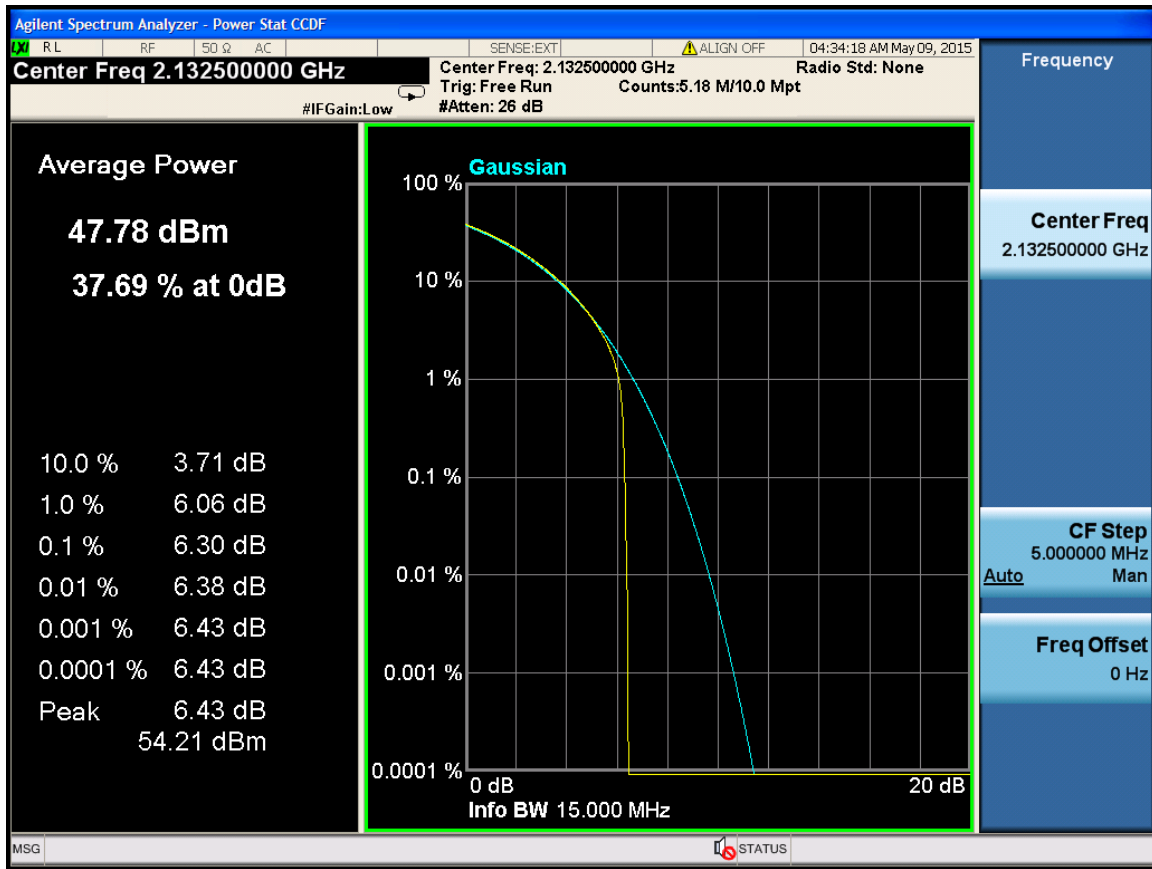


Configuration	Carrier Freq. (MHz)	Port	PARP@0.1%	Limit
15M	2117.5	1	6.34	<13dB
		2	6.35	
	2132.5	1	6.31	<13dB
		2	6.30	
	2147.5	1	6.39	<13dB
		2	6.39	

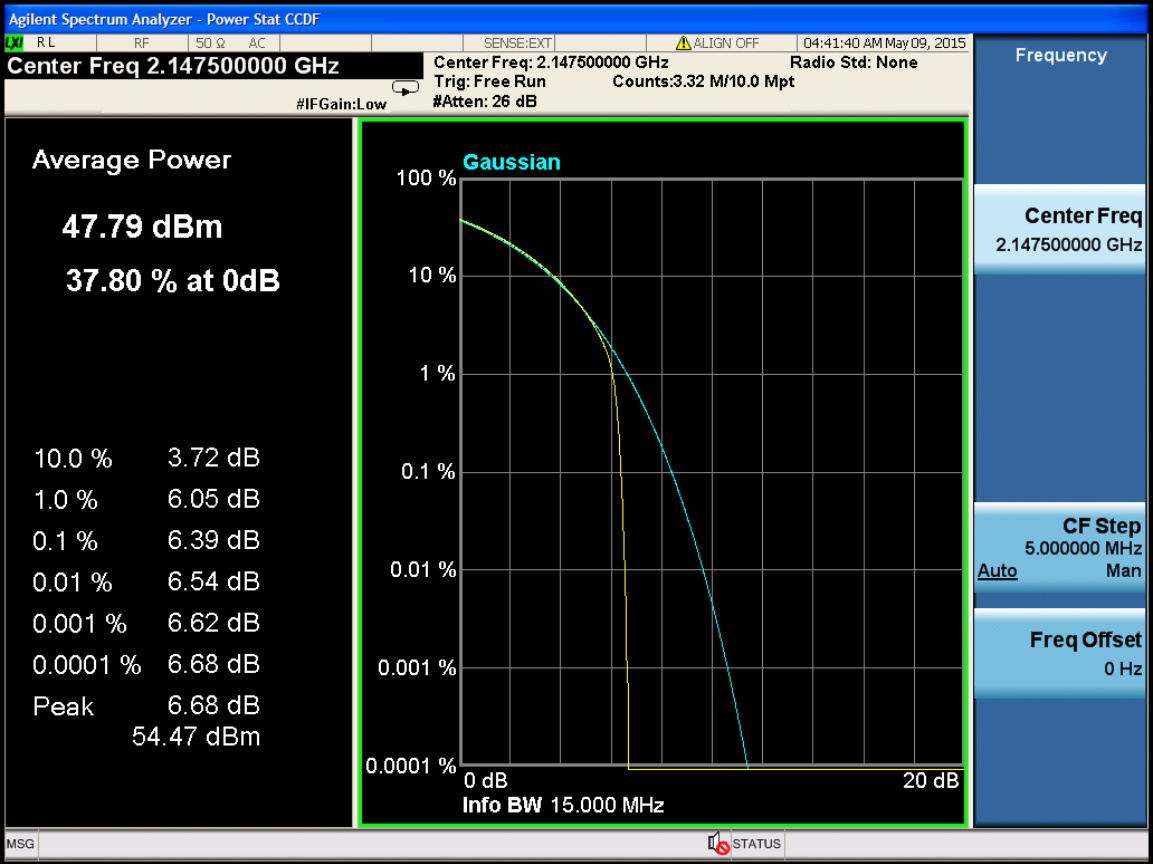




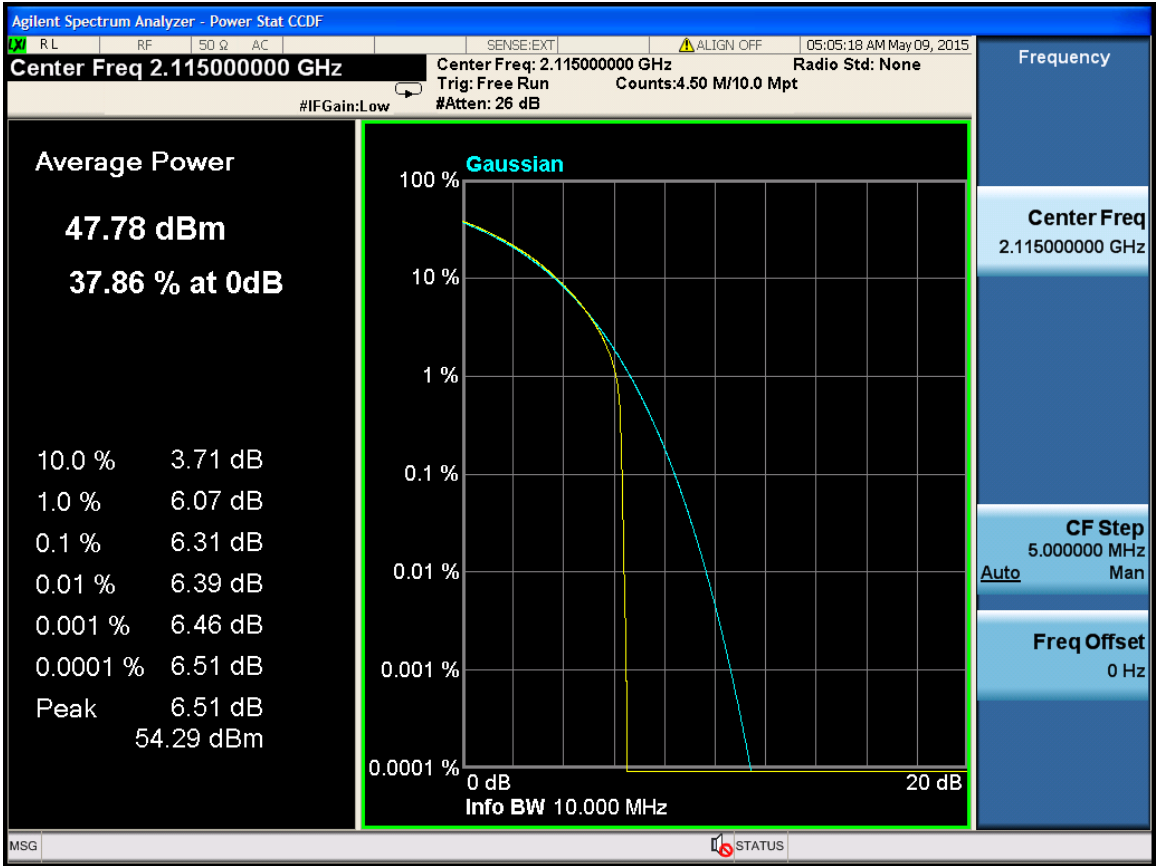


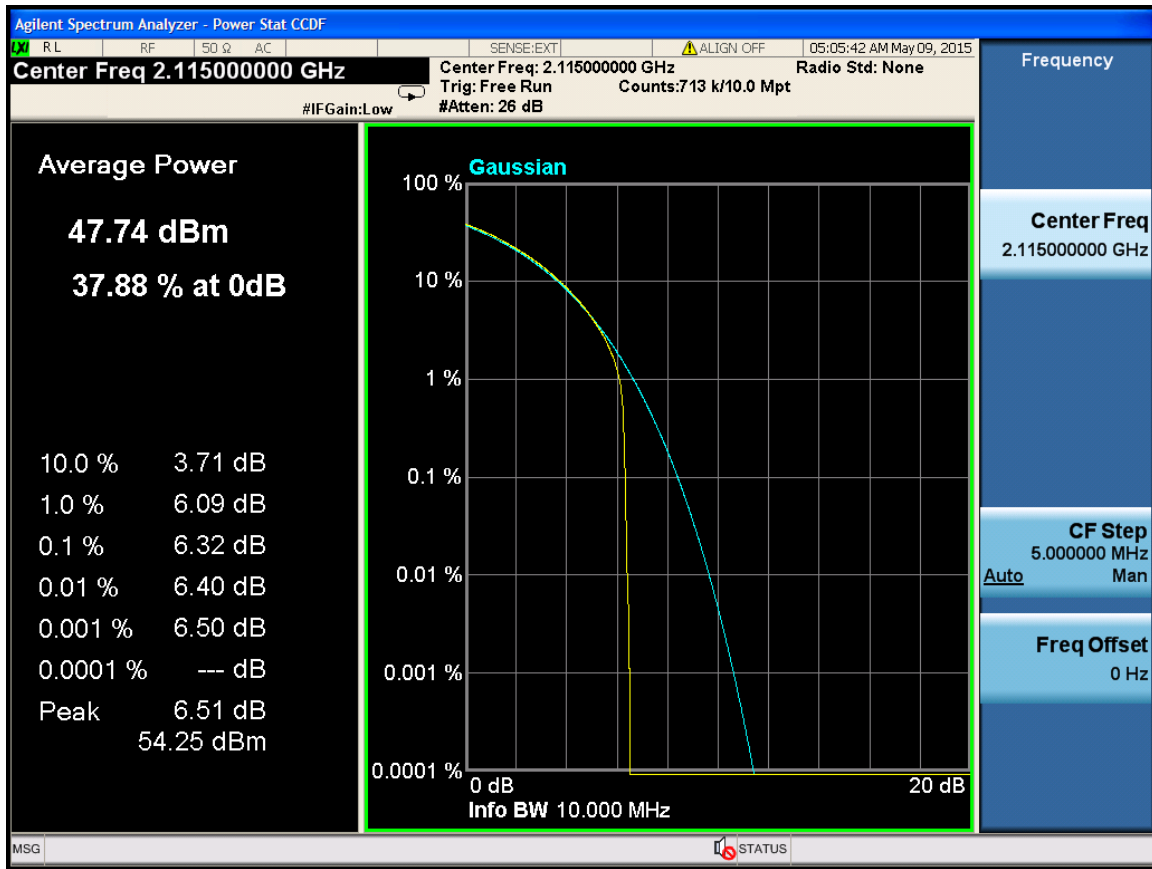


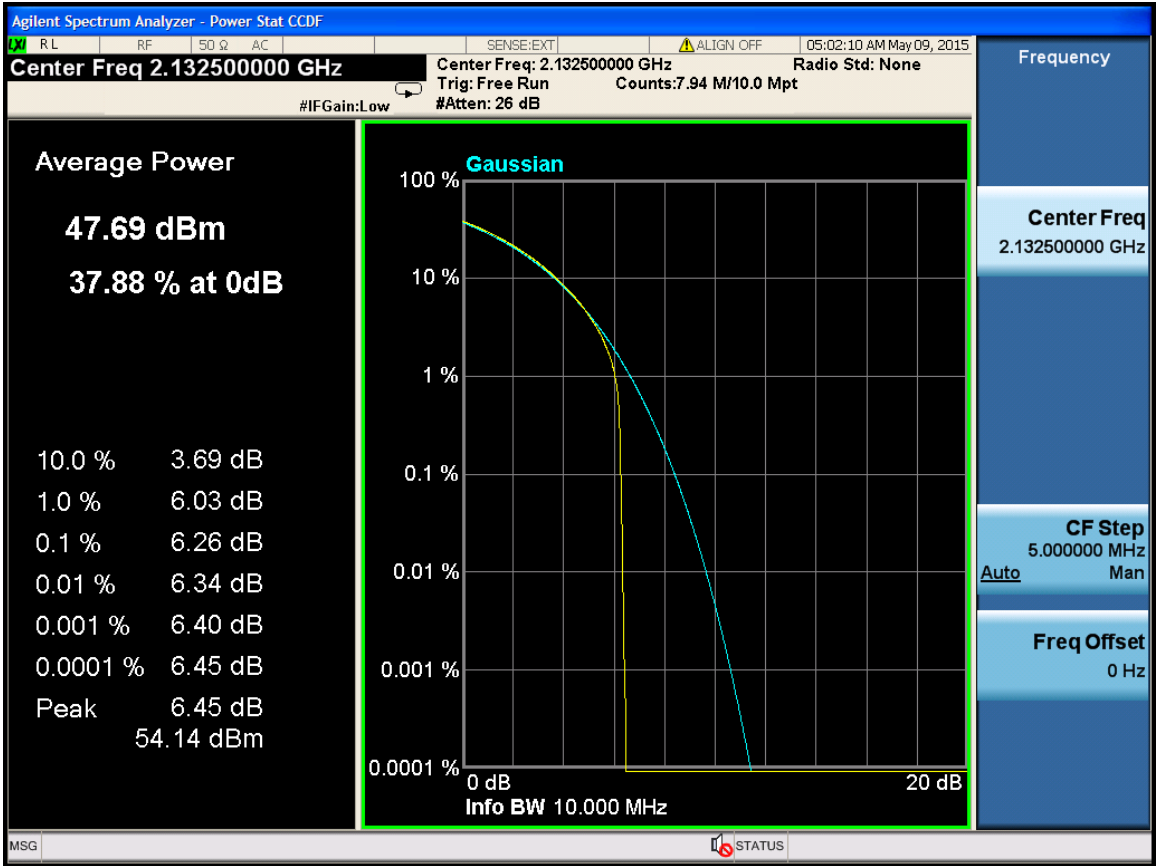


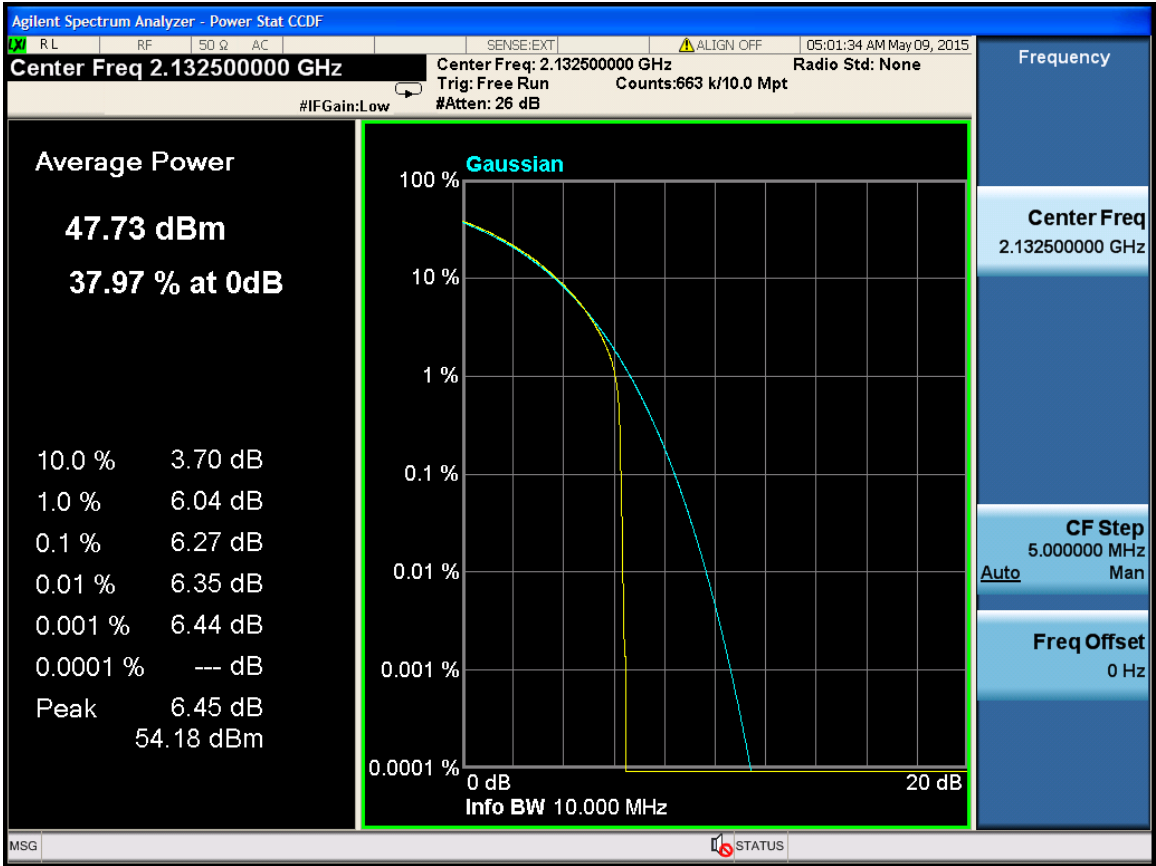


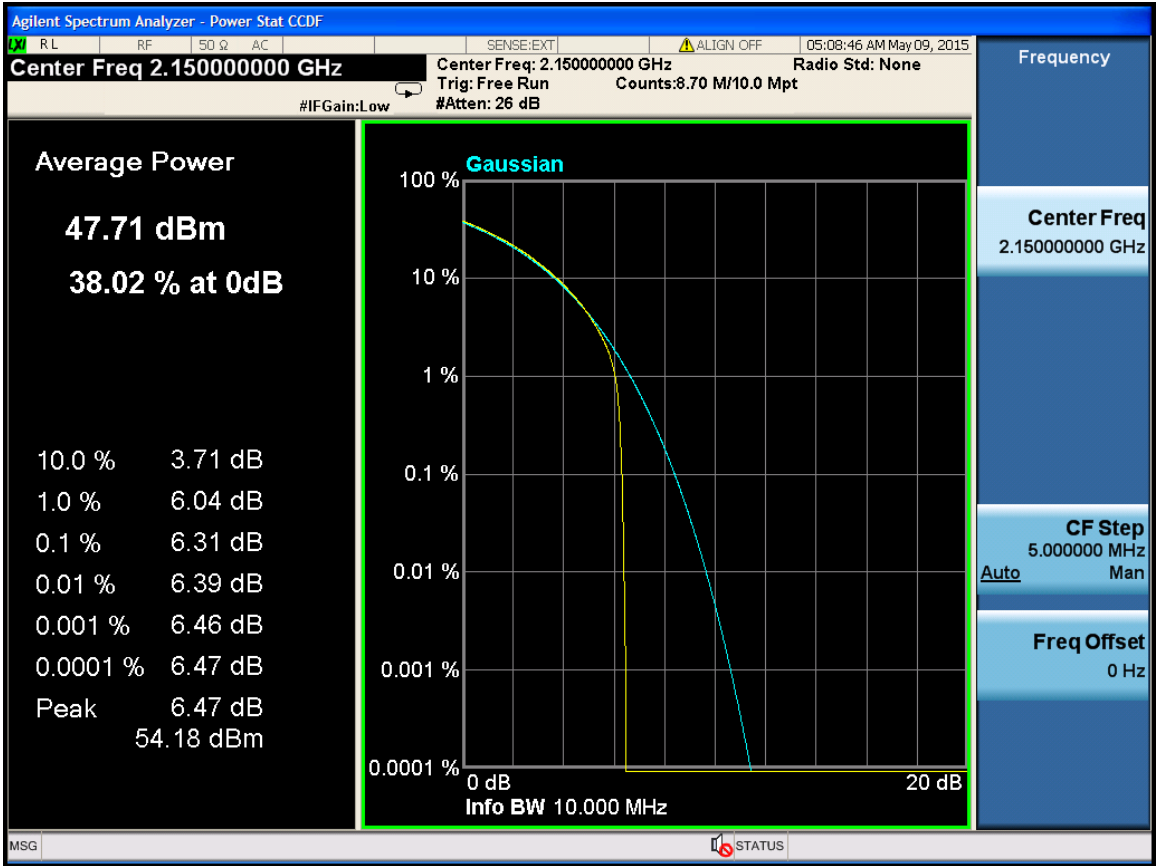
Configuration	Carrier Freq. (MHz)	Port	PARP@0.1%	Limit
10M	2115	1	6.31	<13dB
		2	6.32	
	2132.5	1	6.26	<13dB
		2	6.27	
	2150	1	6.31	<13dB
		2	6.31	

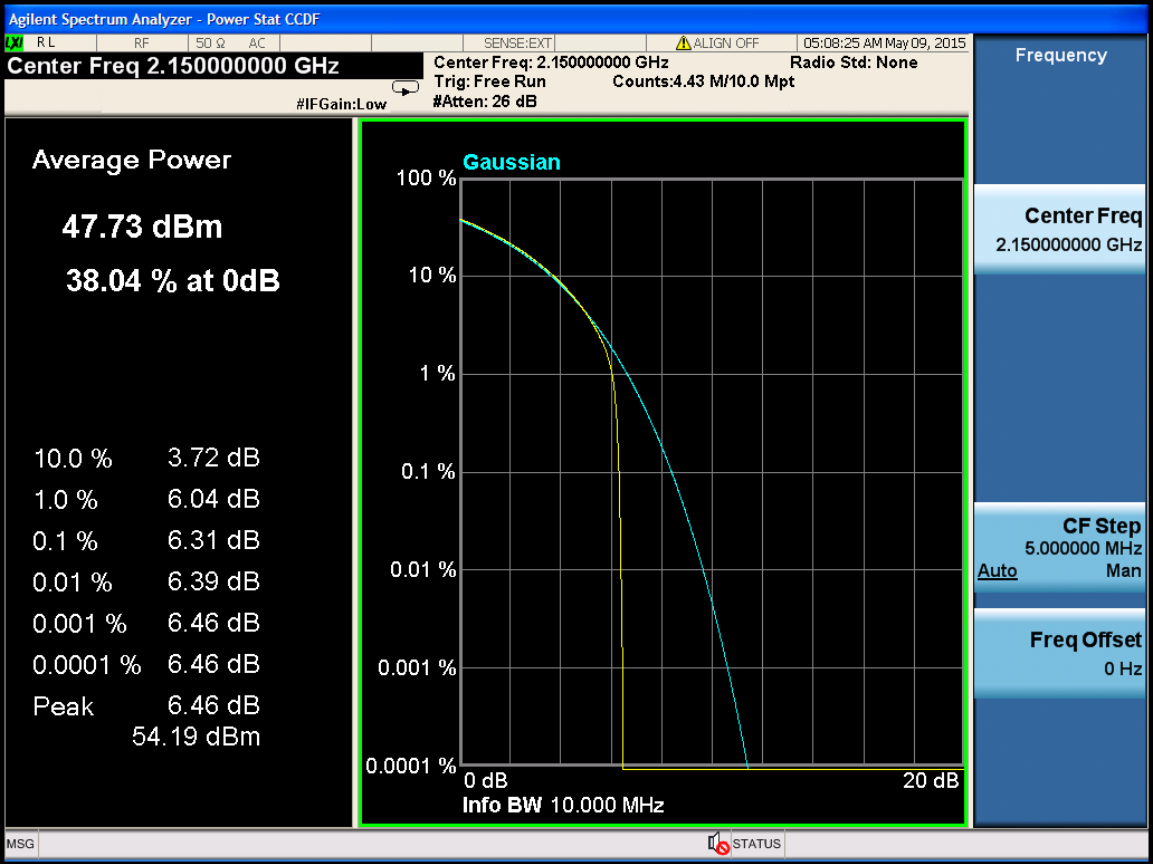




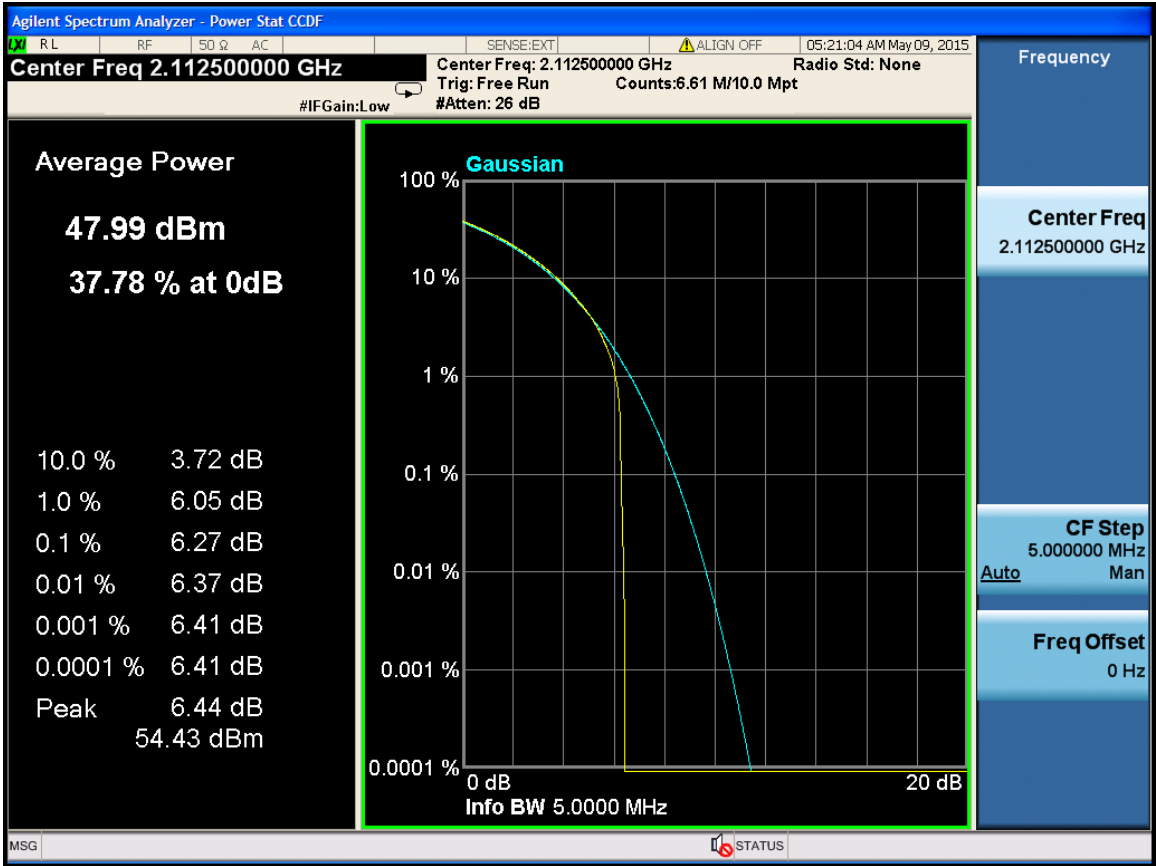


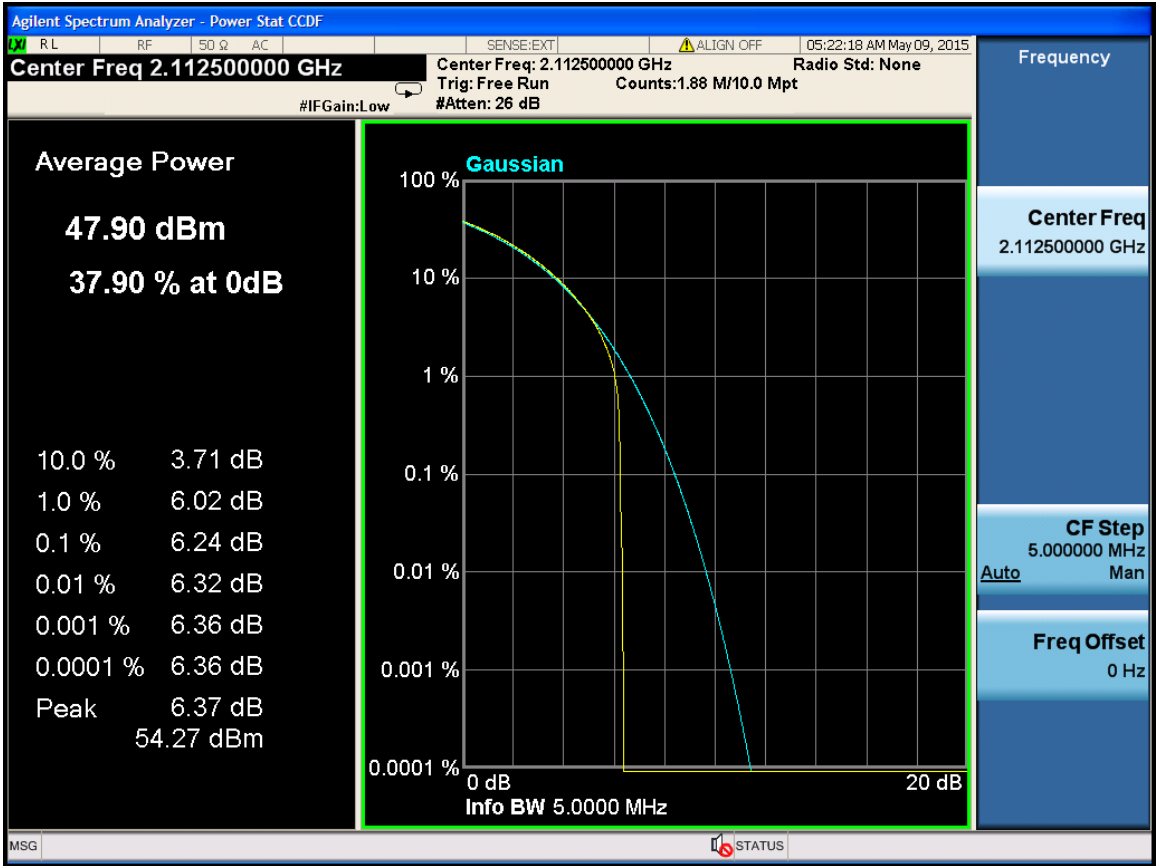


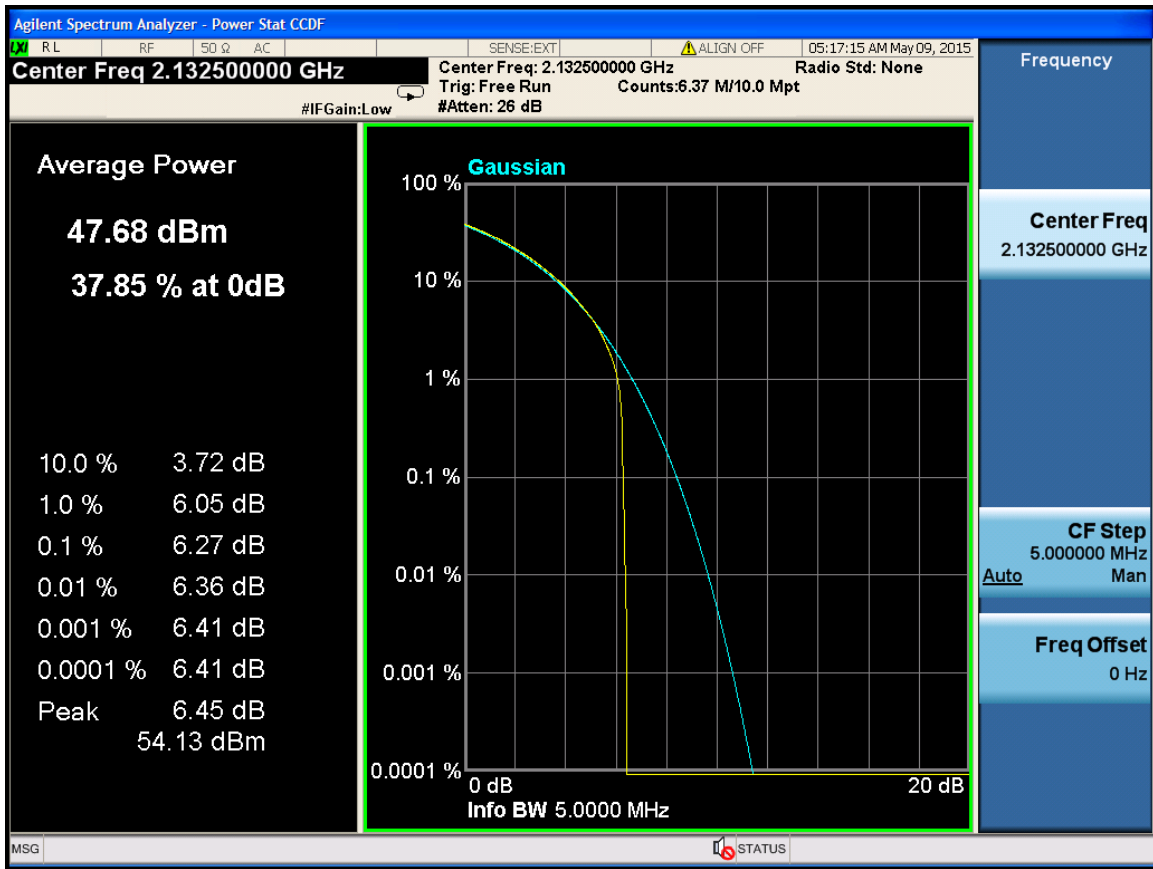


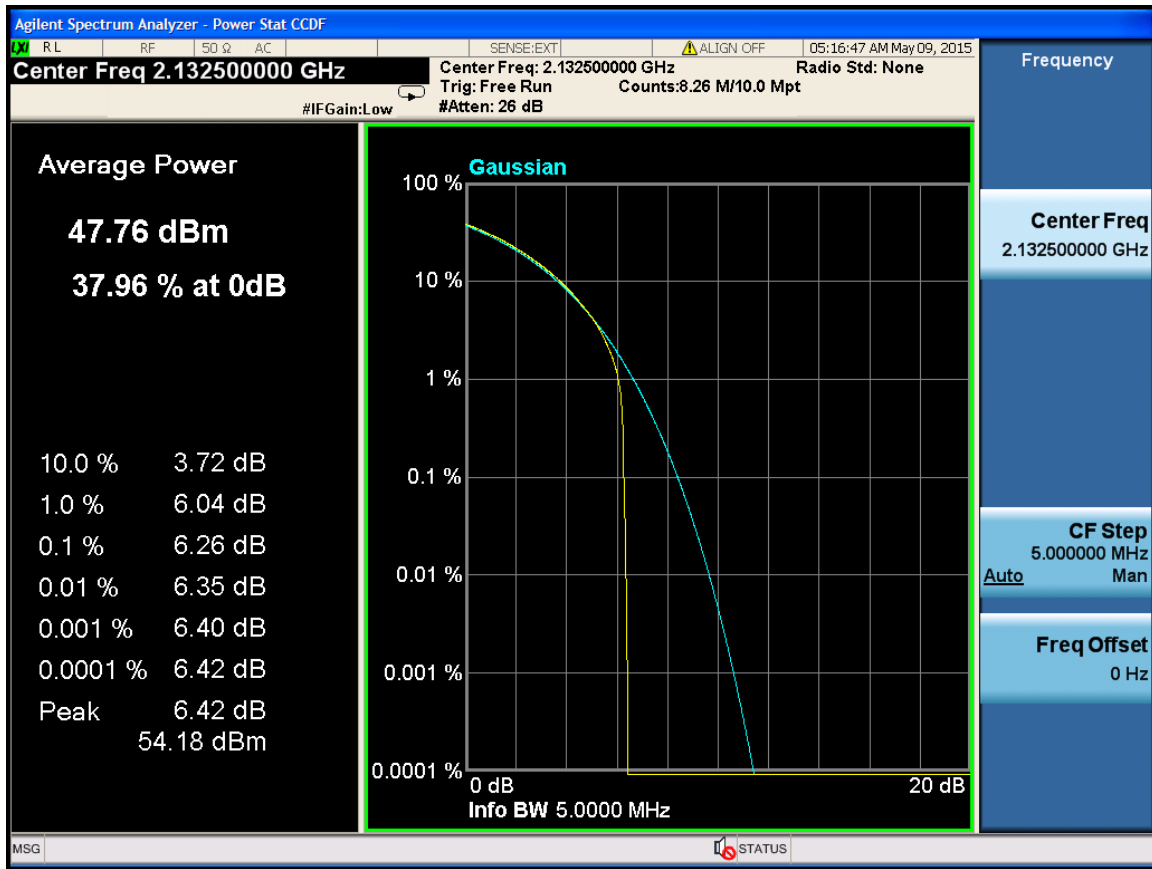


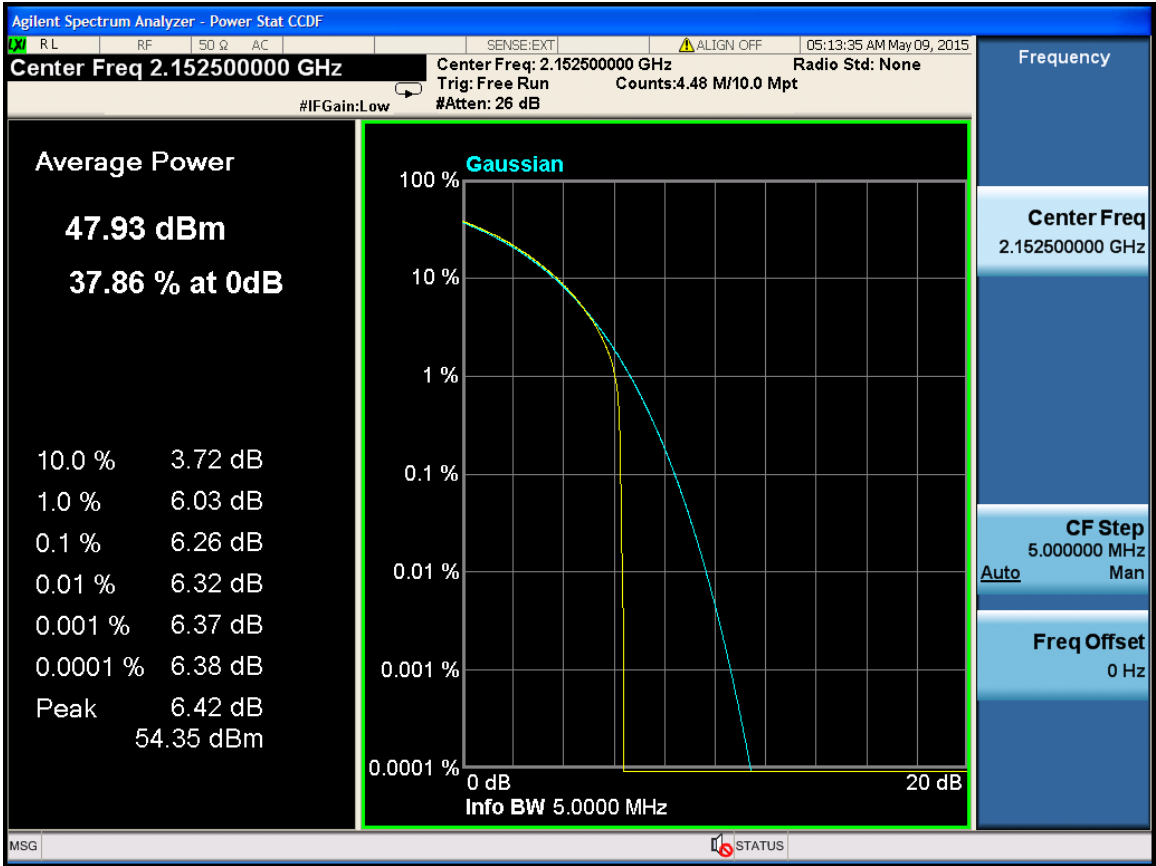
Configuration	Carrier Freq. (MHz)	Port	PARP@0.1%	Limit
5M	2112.5	1	6.27	<13dB
		2	6.24	
	2132.5	1	6.27	<13dB
		2	6.26	
	2152.5	1	6.26	<13dB
		2	6.25	

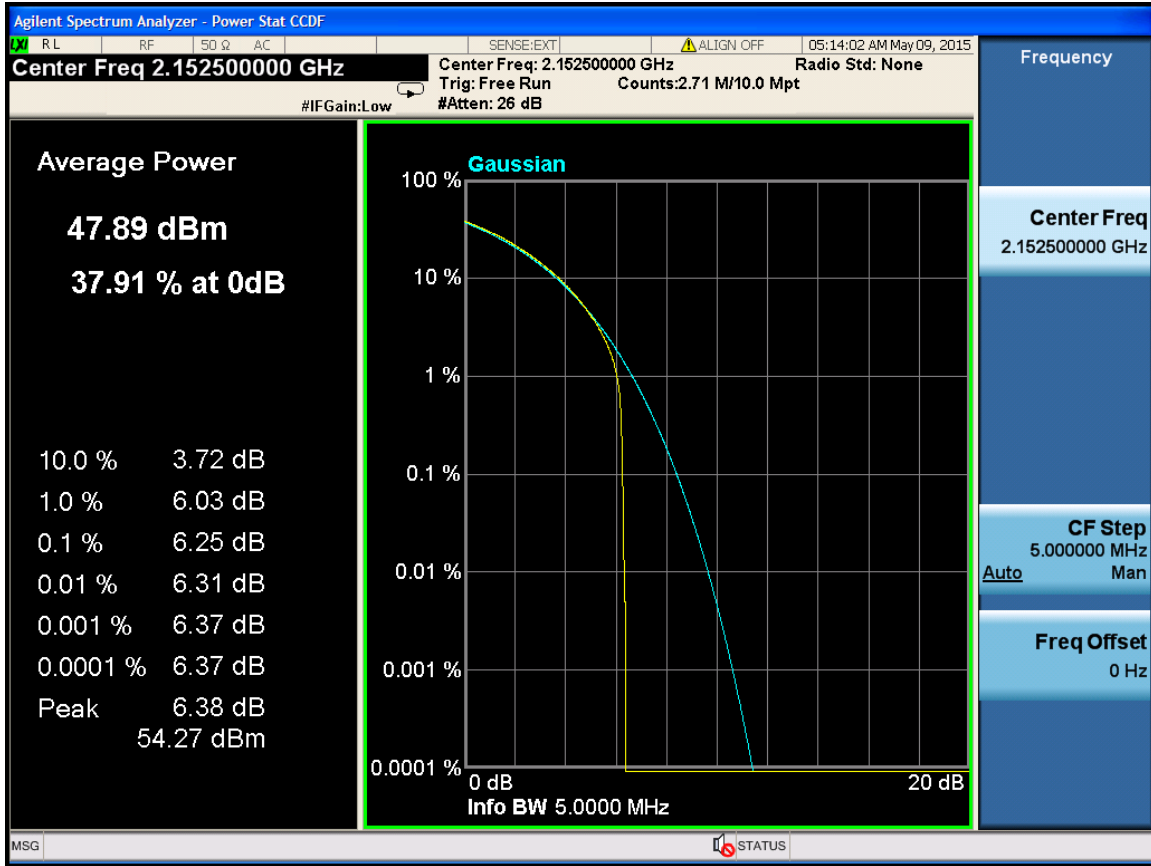












9 TRANSMITTER EMISSIONS

UNWANTED

Applicable Standard: RSS139 § 6.5; rss-Gen

(i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.

(ii) After the first 1.0 MHz outside the equipment's operating frequency block, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB. any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.

the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (p) by a factor of at least $43 + 10 \log(p)$ dB. The limit (dBm) should $< P - (43 + 10 \log(P)) = -13 \text{ dBm}$.

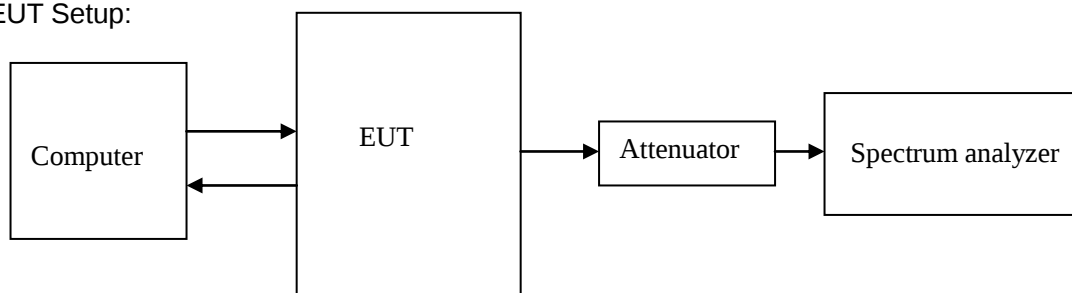
Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	PXA Series Spectrum Analyzer	N9030A	MY49431143	2014.09.16	2015.09.16
DTS	DTS 40dB Attenuator	DTS100-40-3-1	201312160104	2014.09.16	2015.09.16

***statement of traceability:** The Reliability Testing Center attest that all calibration have been performed per the NVLAP requirements, traceable to NIST.

Test Procedure

EUT Setup:



The unwanted emissions shall be measured at the frequencies of the highest and lowest channel of all bandwidths that the equipment can operate with a resolution bandwidth of 1 MHz or less, but at least 1% of the occupied bandwidth of the transmitter, provided that the measured power is integrated over a 1 MHz bandwidth.

When Transmitter unwanted emissions test, configure R8882 S1700 output at rated power, the R8882 S1700 output antenna connected to spectrum analyzer, and testing emissions by spectrum analyzer one antenna by another.

When radiated unwanted emissions test, configure R8882 S1700 output at rated power, the R8882 S1700 output antenna connected to load.

Test Data Environmental Conditions

Temperature:	20 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

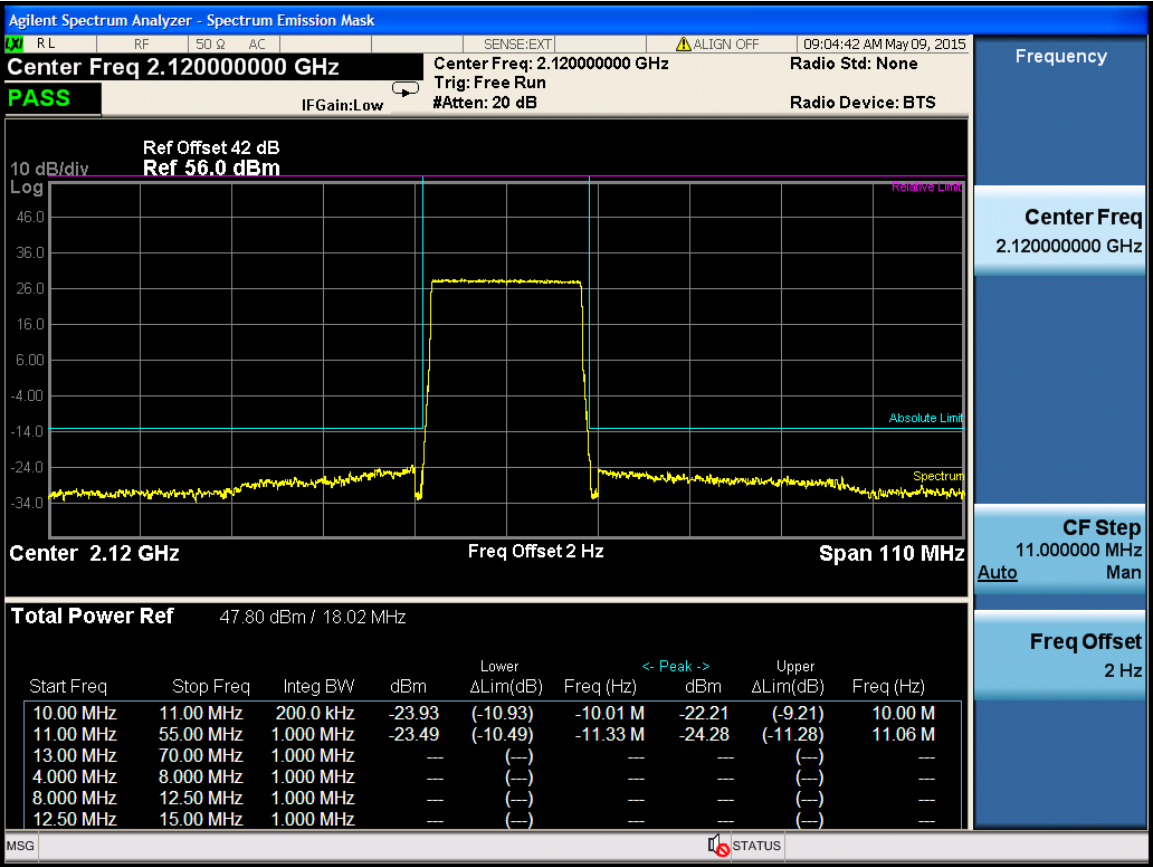
Test Result: Pass

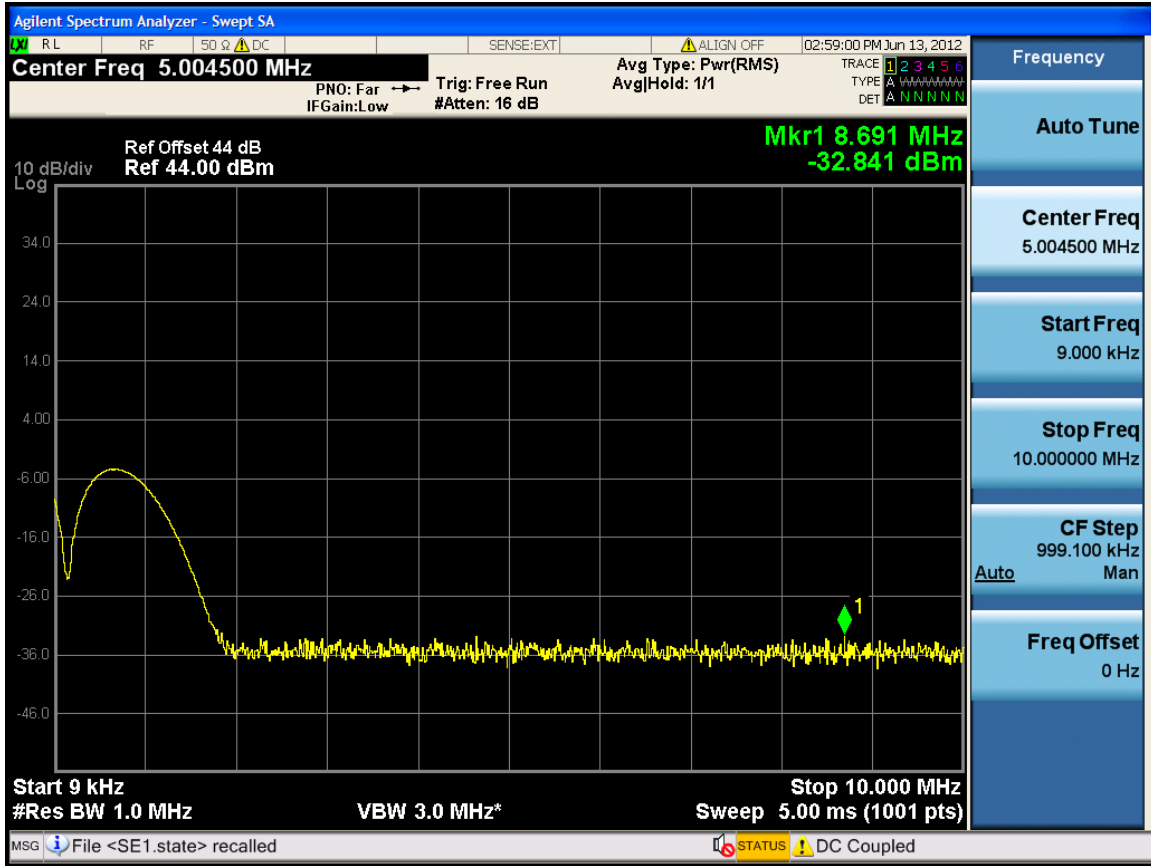
Test Mode: Transmitting LTE

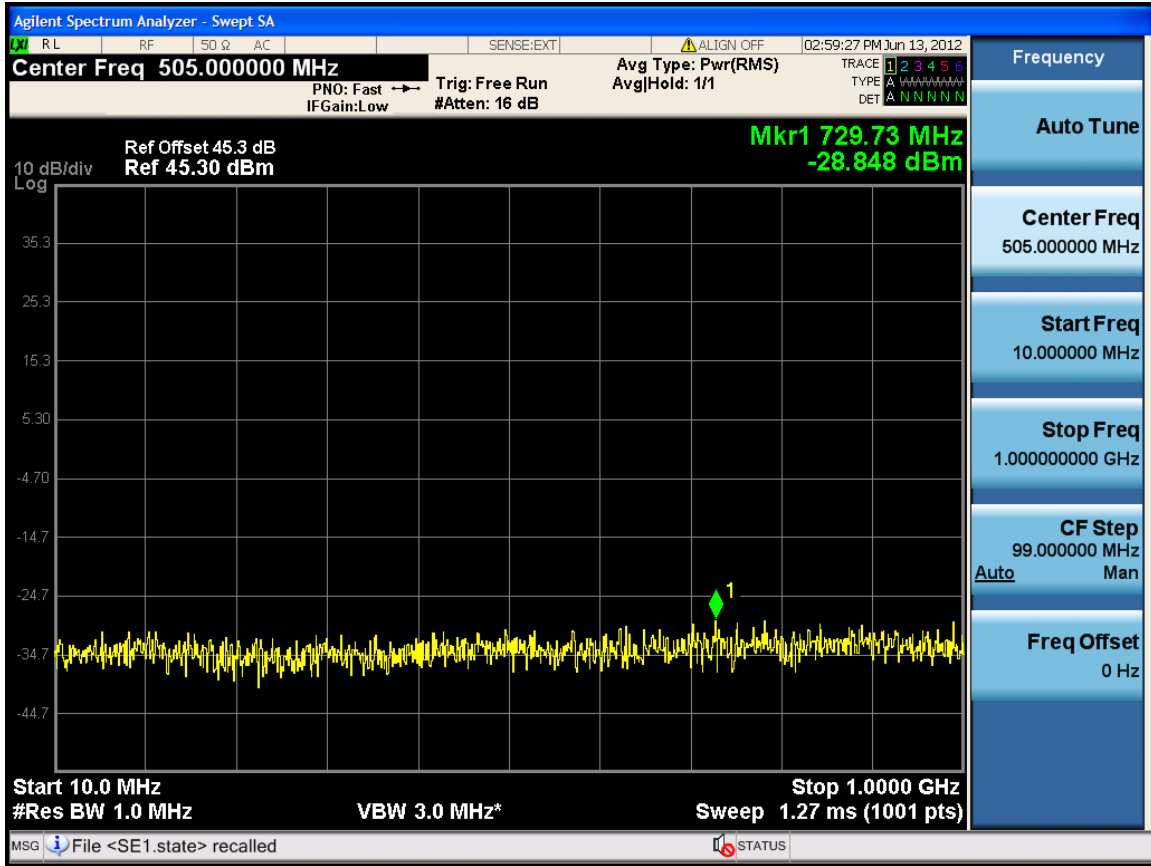
Test Data:

Channel Bandwidth :20M

20M-Port 1 -2120MHz

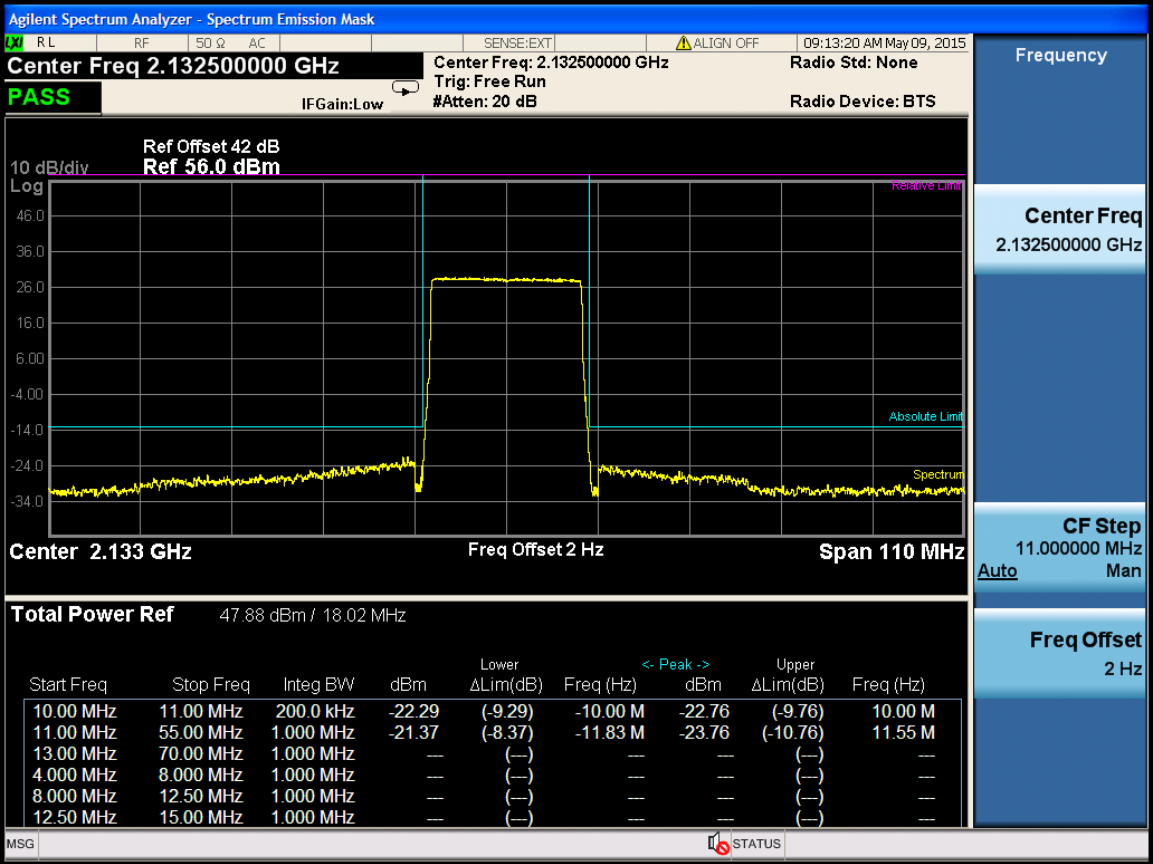


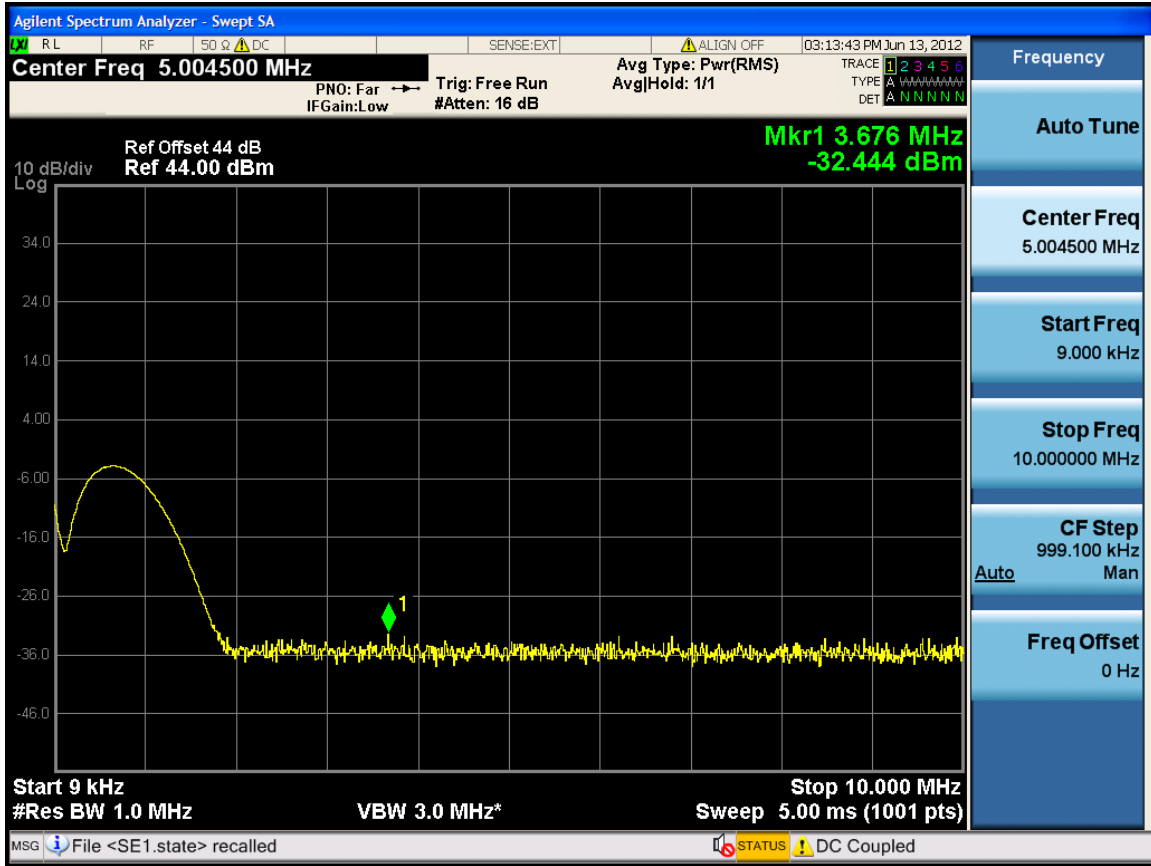


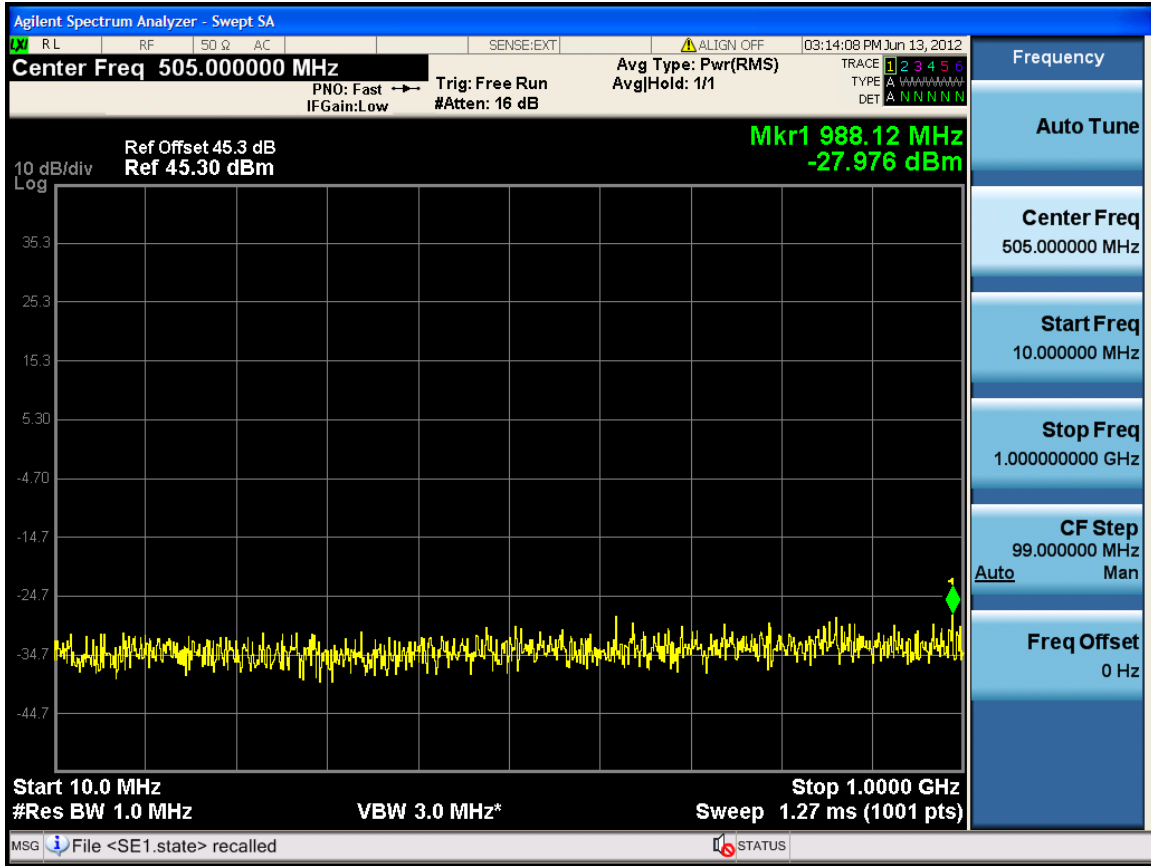




20M-Port 1 -2132.5MHz

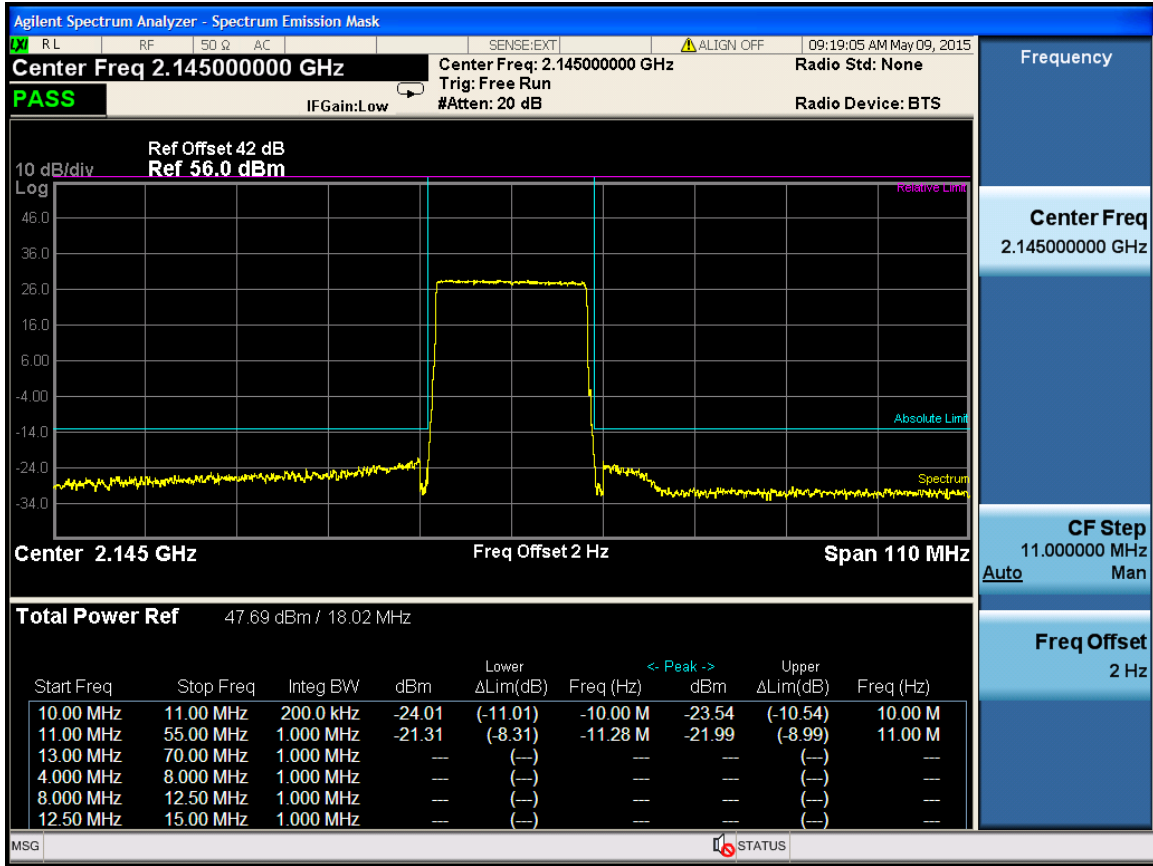


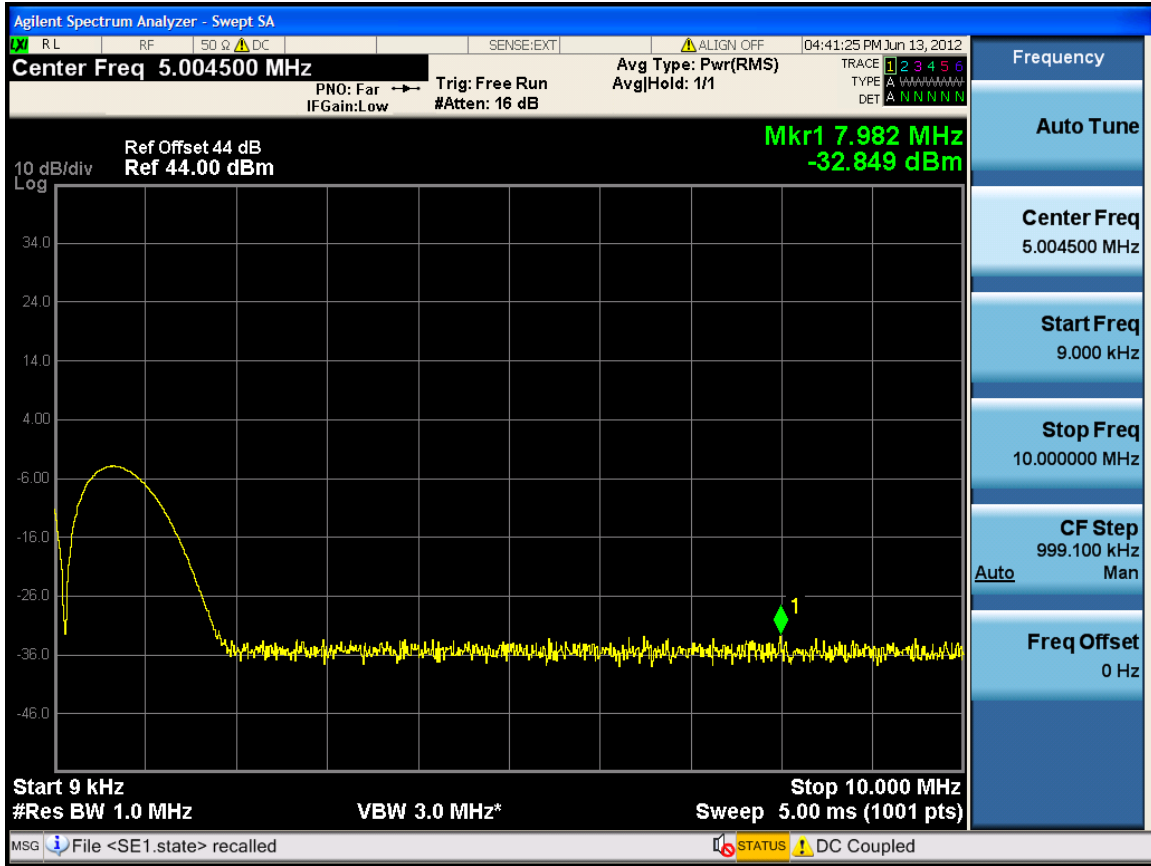


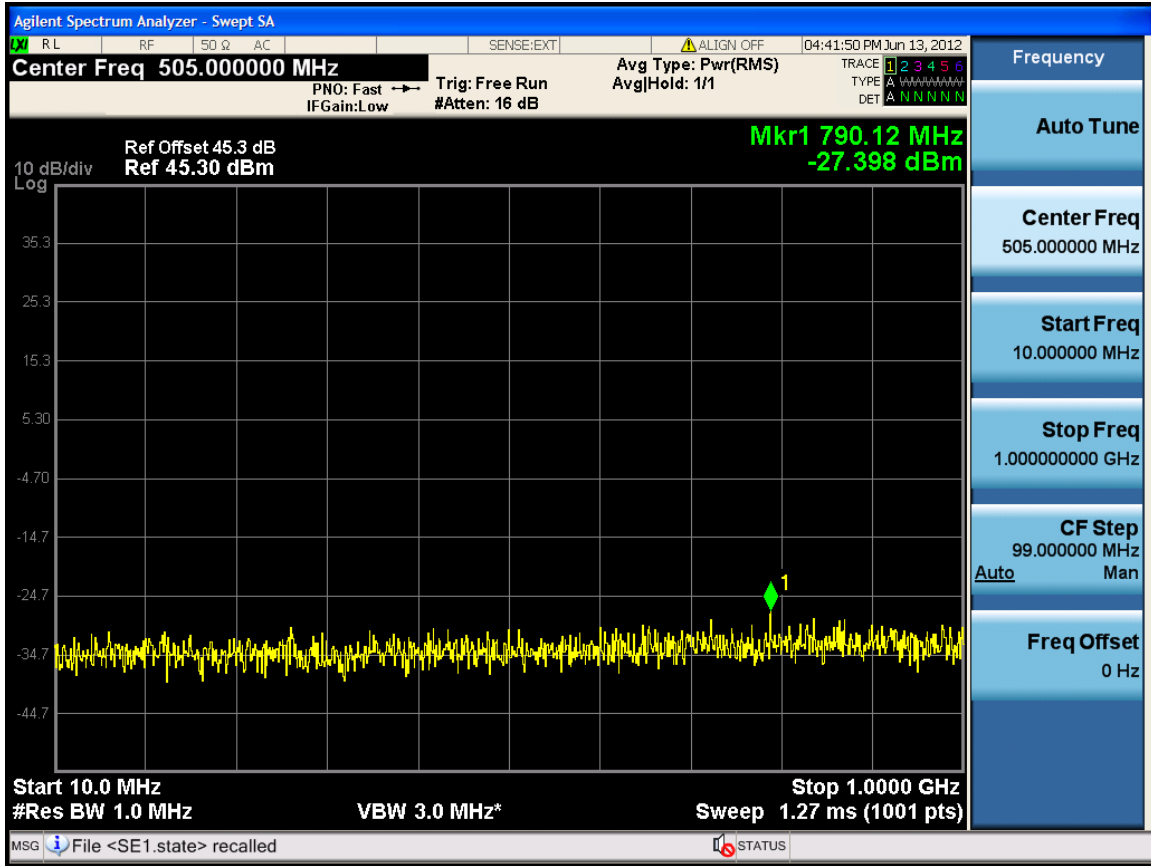




20M-Port 1 -2145MHz

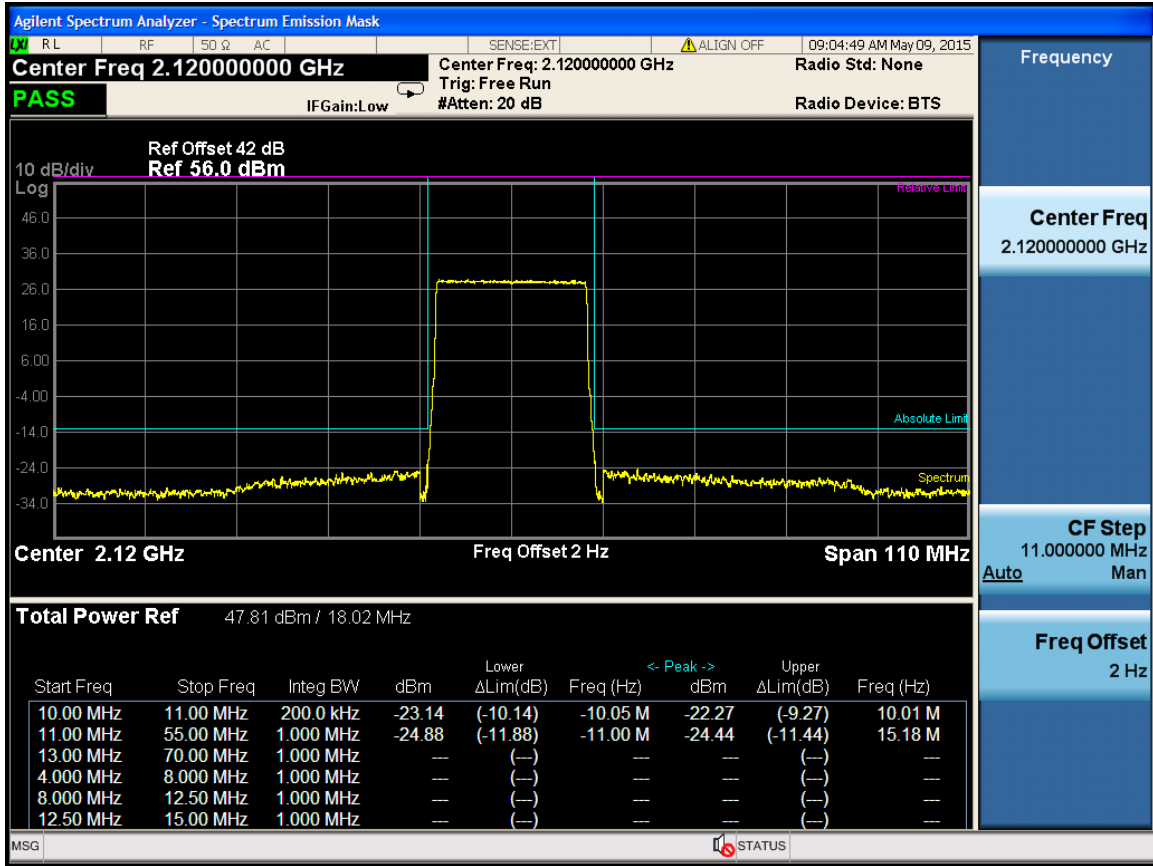


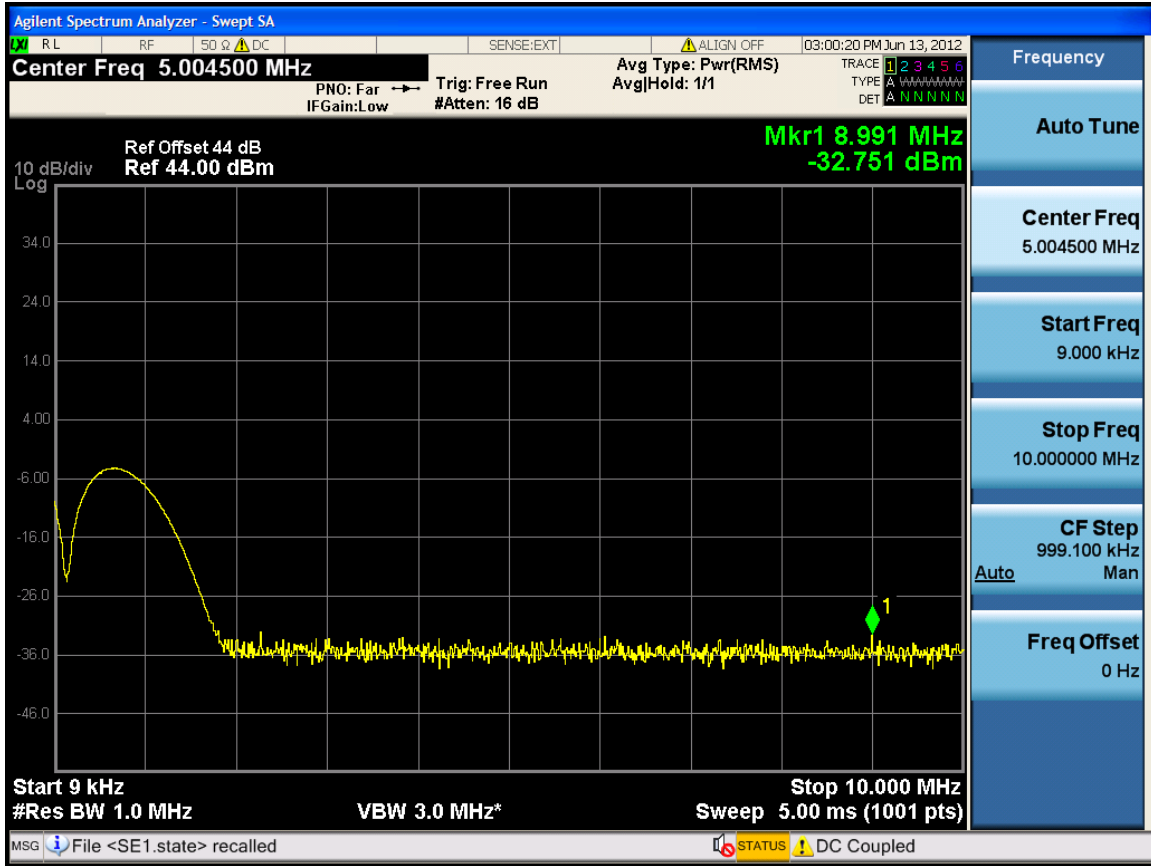


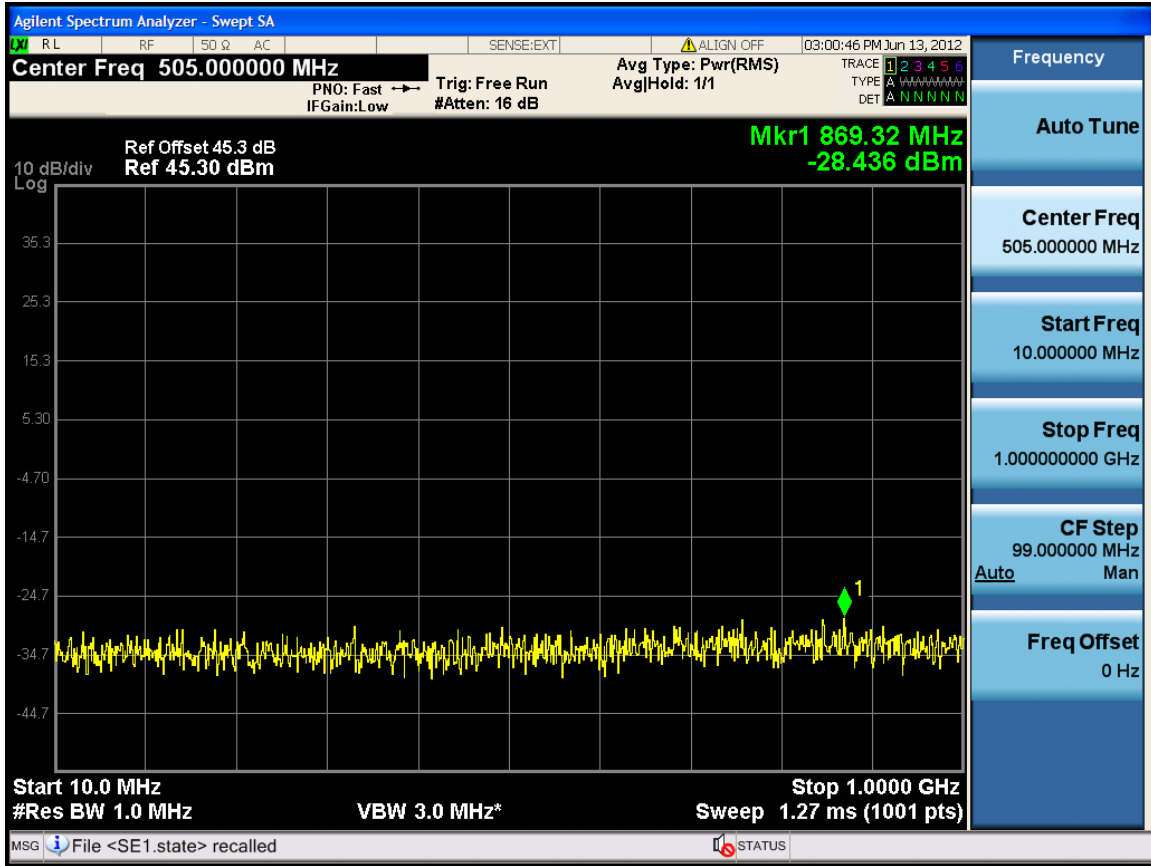




20M-Port 2 -21120MHz









20M-Port 2 -2132.5MHz

