

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Peak / Port 1 + Port 2 / 3GHz~6GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5765	-50.96	-51.49	-46.21	-21.25	24.96
5785	-52.24	-52.39	-47.30	-21.25	26.05
5805	-52.13	-51.61	-46.85	-21.25	25.60

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Average / Port 1 + Port 2 / 6GHz~9GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5180	-69.42	-65.29	-61.87	-41.25	20.62
5200	-70.26	-65.73	-62.42	-41.25	21.17
5240	-70.02	-62.94	-60.16	-41.25	18.91

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Peak / Port 1 + Port 2 / 6GHz~9GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5180	-57.23	-52.16	-48.98	-21.25	27.73
5200	-57.52	-54.52	-50.76	-21.25	29.51
5240	-58.64	-42.98	-40.86	-21.25	19.61



Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Average / Port 1 + Port 2 / 6GHz~9GHz

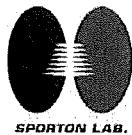
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5200	-69.83	-65.38	-62.05	-41.25	20.80
5210	-68.48	-65.19	-61.52	-41.25	20.27

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Peak / Port 1 + Port 2 / 6GHz~9GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5200	-57.74	-53.22	-49.91	-21.25	28.66
5210	-56.75	-52.27	-48.95	-21.25	27.70

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Average / Port 1 + Port 2 / 6GHz~9GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5745	-65.78	-63.58	-59.53	-41.25	18.28
5785	-63.98	-63.96	-58.96	-41.25	17.71
5825	-62.20	-62.20	-57.19	-41.25	15.94



Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Peak / Port 1 + Port 2 / 6GHz~9GHz

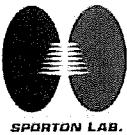
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5745	-53.77	-51.89	-47.72	-21.25	26.47
5785	-52.04	-53.02	-47.49	-21.25	26.24
5825	-50.35	-51.09	-45.69	-21.25	24.44

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Average / Port 1 + Port 2 / 6GHz~9GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5765	-61.73	-61.01	-56.34	-41.25	15.09
5785	-60.64	-59.77	-55.17	-41.25	13.92
5805	-59.88	-59.49	-54.67	-41.25	13.42

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Peak / Port 1 + Port 2 / 6GHz~9GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5765	-48.85	-49.11	-43.97	-21.25	22.72
5785	-44.27	-46.54	-40.25	-21.25	19.00
5805	-46.47	-47.68	-42.02	-21.25	20.77



Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Average / Port 1 + Port 2 / 9GHz~18GHz

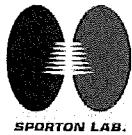
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5180	-77.99	-78.20	-73.08	-41.25	31.83
5200	-68.98	-69.84	-64.38	-41.25	23.13
5240	-63.04	-69.92	-60.23	-41.25	18.98

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Peak / Port 1 + Port 2 / 9GHz~18GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5180	-64.95	-64.66	-59.79	-21.25	38.54
5200	-54.97	-57.51	-51.05	-21.25	29.80
5240	-50.64	-56.21	-47.58	-21.25	26.33

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Average / Port 1 + Port 2 / 9GHz~18GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5200	-78.25	-77.94	-73.08	-41.25	31.83
5210	-77.94	-78.22	-73.07	-41.25	31.82



Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Peak / Port 1 + Port 2 / 9GHz~18GHz

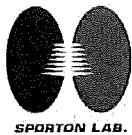
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5200	-65.39	-64.74	-60.04	-21.25	38.79
5210	-65.16	-64.22	-59.65	-21.25	38.40

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Average / Port 1 + Port 2 / 9GHz~18GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5745	-66.17	-66.19	-61.17	-41.25	19.92
5785	-75.59	-67.92	-65.23	-41.25	23.98
5825	-63.38	-70.58	-60.62	-41.25	19.37

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Peak / Port 1 + Port 2 / 9GHz~18GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5745	-53.14	-53.72	-48.41	-21.25	27.16
5785	-62.83	-55.15	-52.47	-21.25	31.22
5825	-51.75	-58.11	-48.85	-21.25	27.60



Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Average / Port 1 + Port 2 / 9GHz~18GHz

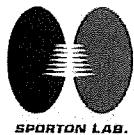
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5765	-74.08	-78.04	-70.61	-41.25	29.36
5785	-73.19	-78.11	-69.98	-41.25	28.73
5805	-73.44	-77.87	-70.10	-41.25	28.85

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Peak / Port 1 + Port 2 / 9GHz~18GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5765	-59.43	-65.13	-56.39	-21.25	35.14
5785	-58.54	-65.52	-55.75	-21.25	34.50
5805	-59.56	-65.25	-56.52	-21.25	35.27

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Average / Port 1 + Port 2 / 18GHz~40GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5180	-72.95	-72.74	-67.83	-41.25	26.58
5200	-72.56	-72.79	-67.66	-41.25	26.41
5240	-72.94	-72.78	-67.85	-41.25	26.60



SPARTON LAB.

Report No.: FR7D0728

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Peak / Port 1 + Port 2 / 18GHz~40GHz

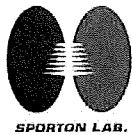
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5180	-60.42	-59.76	-55.07	-21.25	33.82
5200	-59.97	-60.27	-55.11	-21.25	33.86
5240	-60.40	-60.00	-55.19	-21.25	33.94

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Average / Port 1 + Port 2 / 18GHz~40GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5200	-72.80	-72.78	-67.78	-41.25	26.53
5210	-72.87	-72.83	-67.84	-41.25	26.59

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Peak / Port 1 + Port 2 / 18GHz~40GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5200	-59.98	-60.39	-55.17	-21.25	33.92
5210	-60.11	-59.84	-54.96	-21.25	33.71



Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Average / Port 1 + Port 2 / 18GHz~40GHz

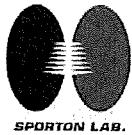
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5745	-72.87	-72.78	-67.81	-41.25	26.56
5785	-72.86	-72.98	-67.91	-41.25	26.66
5825	-72.89	-72.90	-67.88	-41.25	26.63

Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 20M / Peak / Port 1 + Port 2 / 18GHz~40GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5745	-61.13	-61.05	-56.08	-21.25	34.83
5785	-59.43	-59.67	-54.54	-21.25	33.29
5825	-60.83	-60.34	-55.57	-21.25	34.32

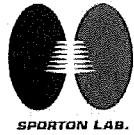
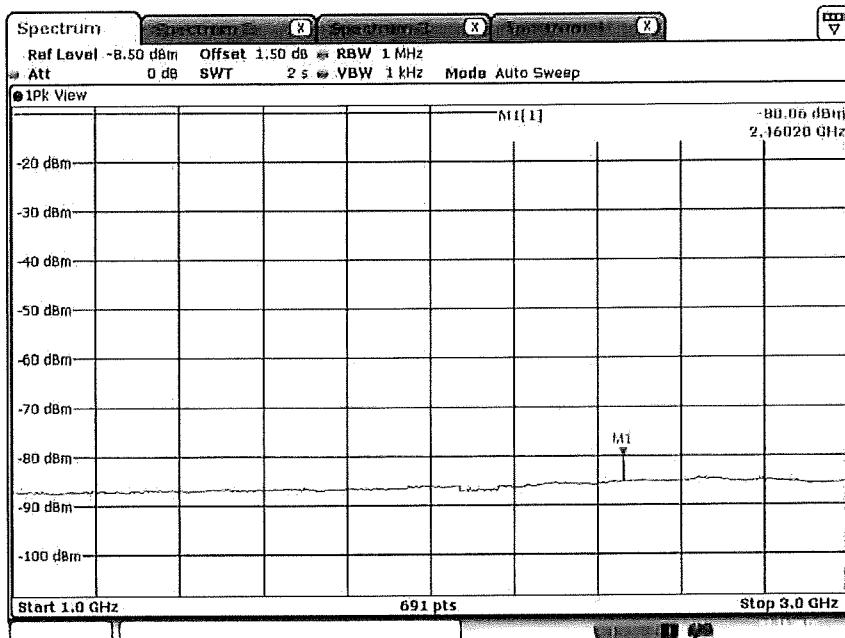
Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Average / Port 1 + Port 2 / 18GHz~40GHz

Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5765	-72.85	-72.86	-67.84	-41.25	26.59
5785	-72.94	-72.84	-67.88	-41.25	26.63
5805	-72.77	-72.79	-67.77	-41.25	26.52

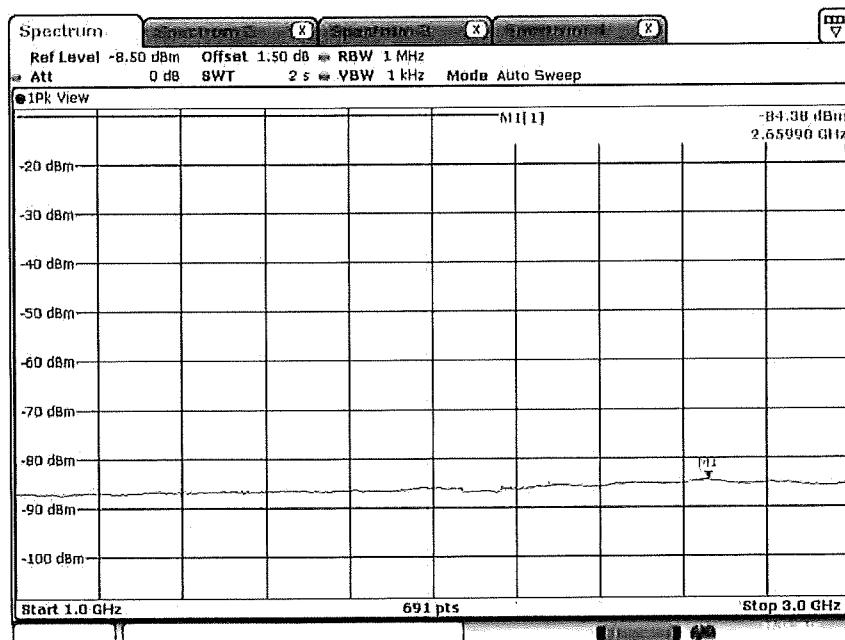


Temperature	22°C	Humidity	56%
Test Engineer	Serway Li	Configurations	QPSK, 80M / Peak / Port 1 + Port 2 / 18GHz~40GHz

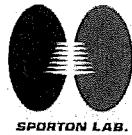
Frequency(MHz)	Chain 1 (TX1) Spurious Level (dBm)	Chain 2 (TX2) Spurious Level (dBm)	Total Spurious Level (dBm)	Limit (dBm)	Margin (dB)
5765	-59.87	-60.01	-54.93	-21.25	33.68
5785	-60.39	-60.38	-55.37	-21.25	34.12
5805	-60.58	-60.24	-55.40	-21.25	34.15

**For Antenna 2:****Plot on Configuration QPSK, 20M / 5180 MHz / Average / Port 1 / 1GHz~3GHz**

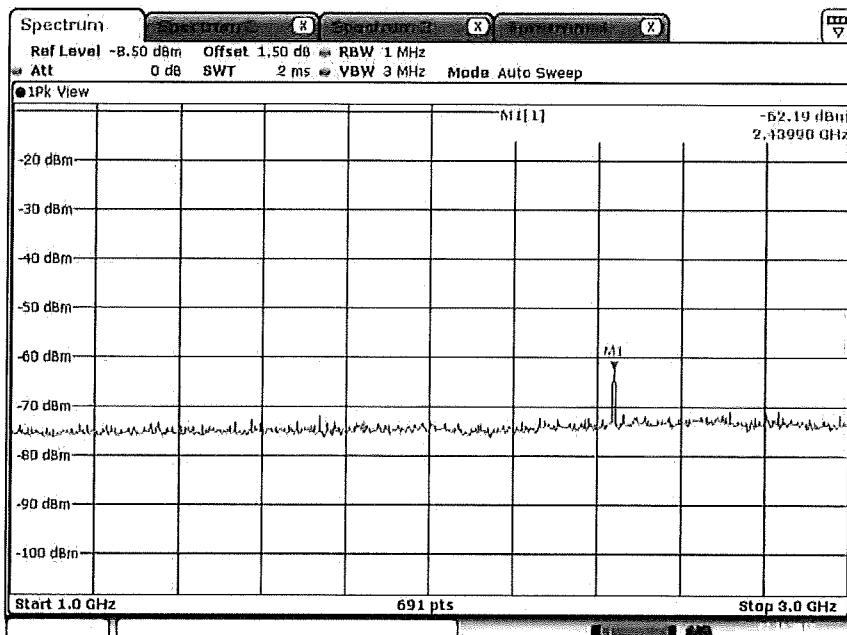
Date: 22.NOV.2017 10:14:58

**Plot on Configuration QPSK, 20M / 5180 MHz / Average / Port 2 / 1GHz~3GHz**

Date: 22.NOV.2017 09:50:45

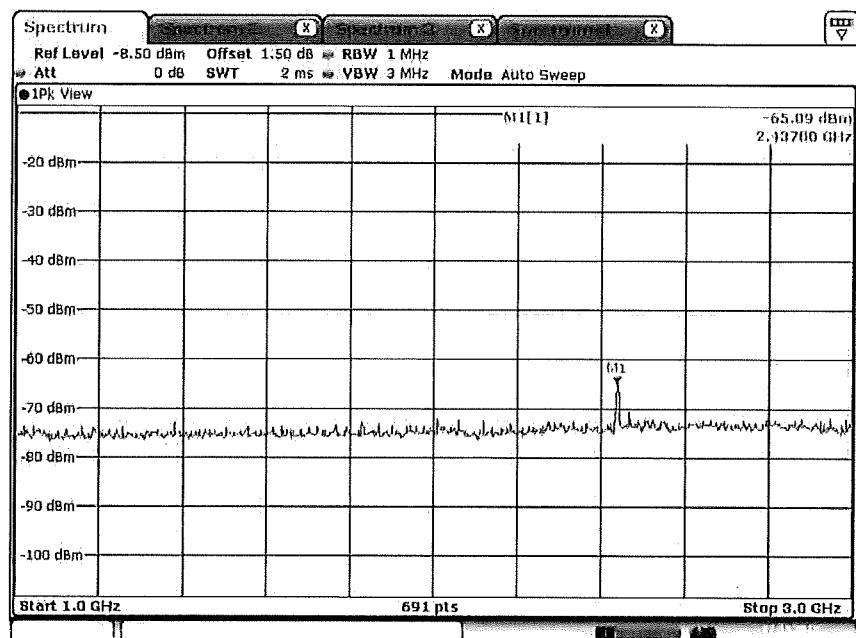


## Plot on Configuration QPSK, 20M / 5180 MHz / Peak / Port 1 / 1GHz~3GHz



Date: 22.NOV.2017 10:15:29

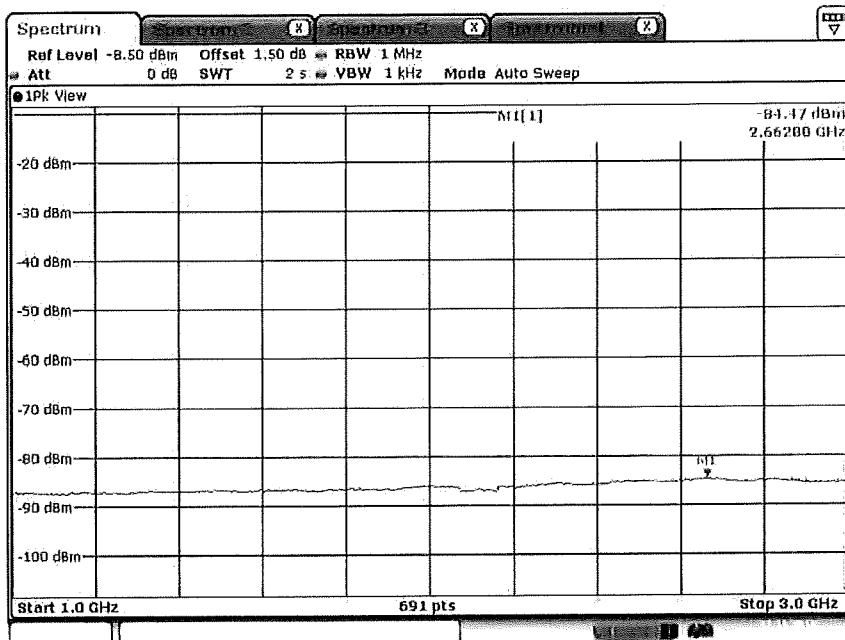
## Plot on Configuration QPSK, 20M / 5180 MHz / Peak / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 09:51:31

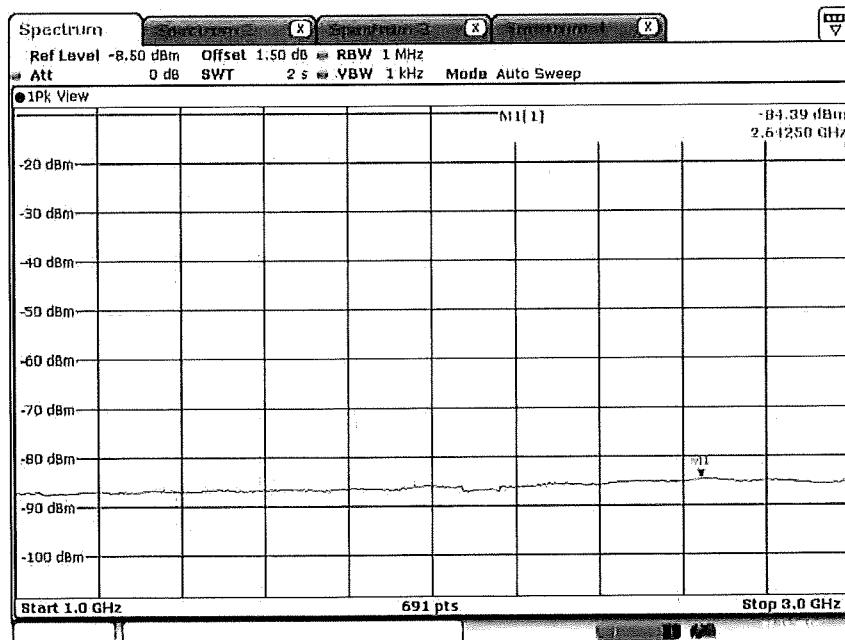


## Plot on Configuration QPSK, 20M / 5200 MHz / Average / Port 1 / 1GHz~3GHz



Date: 22.NOV.2017 10:16:29

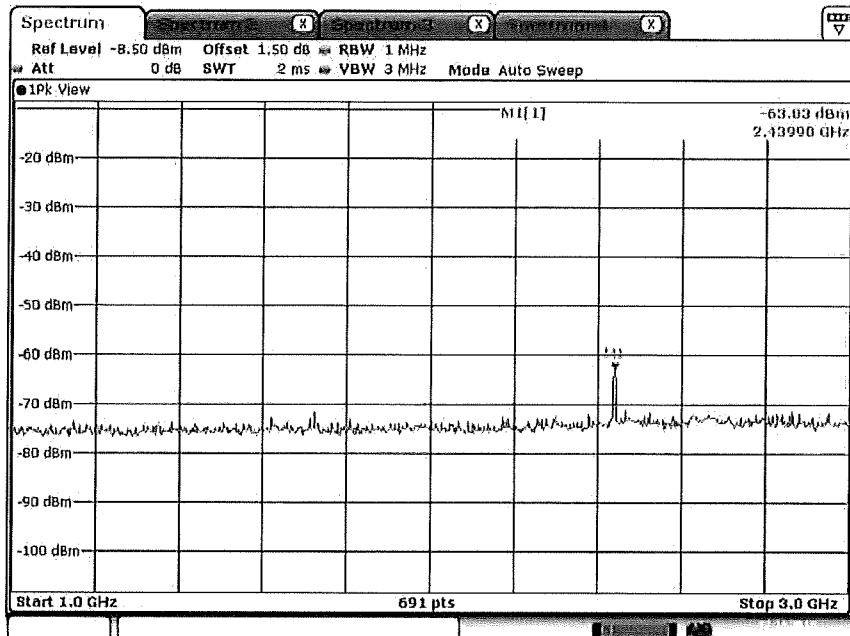
## Plot on Configuration QPSK, 20M / 5200 MHz / Average / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 09:53:03

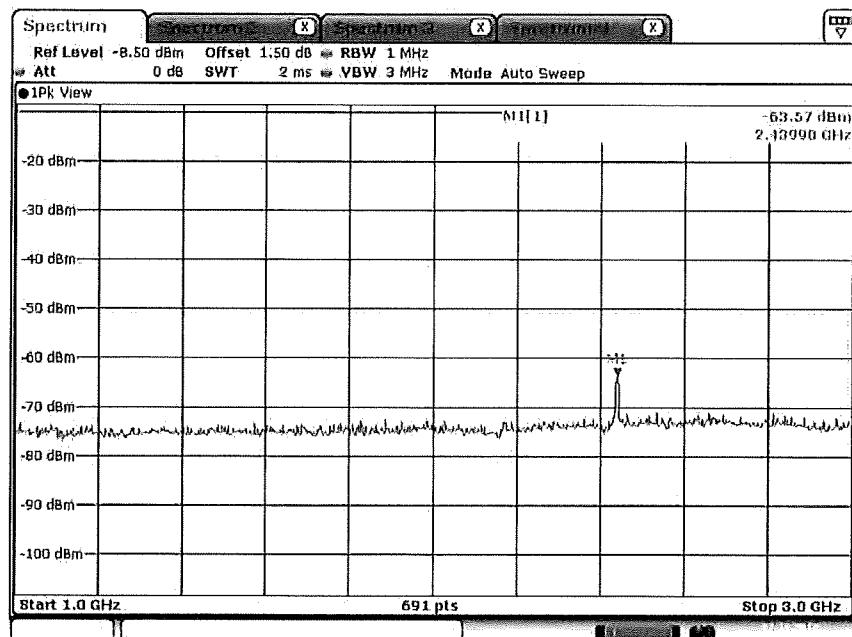


## Plot on Configuration QPSK, 20M / 5200 MHz / Peak / Port 1 / 1GHz~3GHz

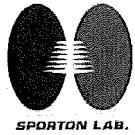


Date: 22.NOV.2017 10:16:00

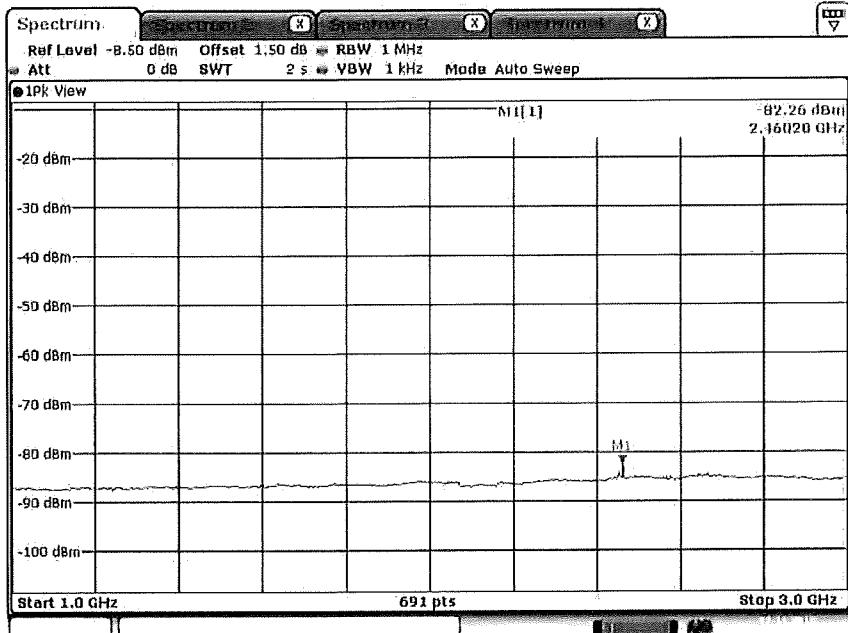
## Plot on Configuration QPSK, 20M / 5200 MHz / Peak / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 09:52:19

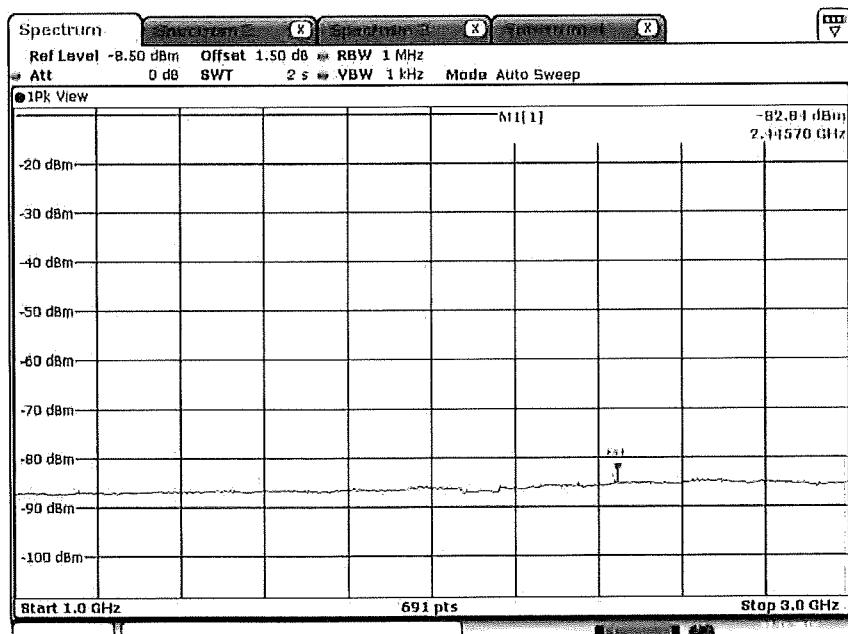


## Plot on Configuration QPSK, 20M / 5240 MHz / Average / Port 1 / 1GHz~3GHz



Date: 22.NOV.2017 10:17:14

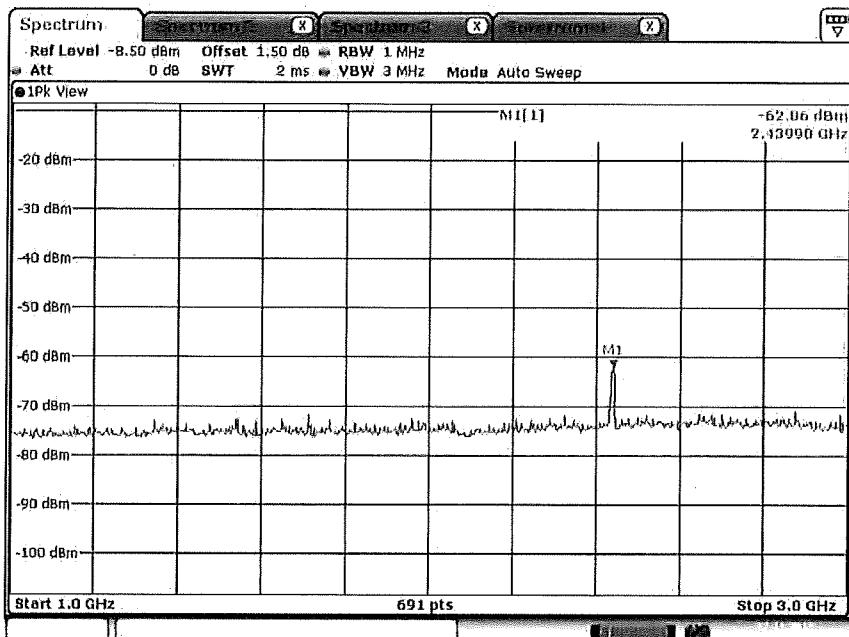
## Plot on Configuration QPSK, 20M / 5240 MHz / Average / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 09:54:52

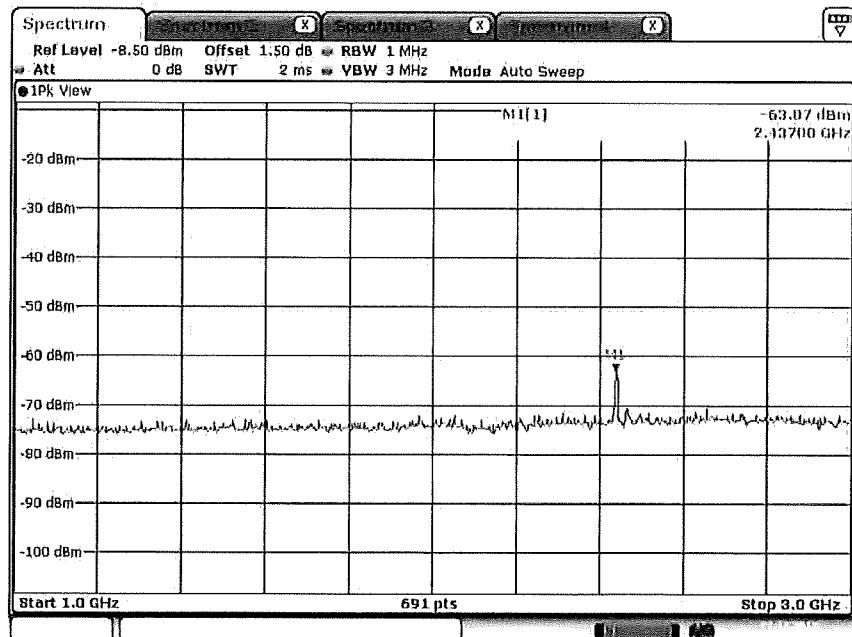


## Plot on Configuration QPSK, 20M / 5240 MHz / Peak / Port 1 / 1GHz~3GHz



Date: 22 NOV. 2017 10:17:36

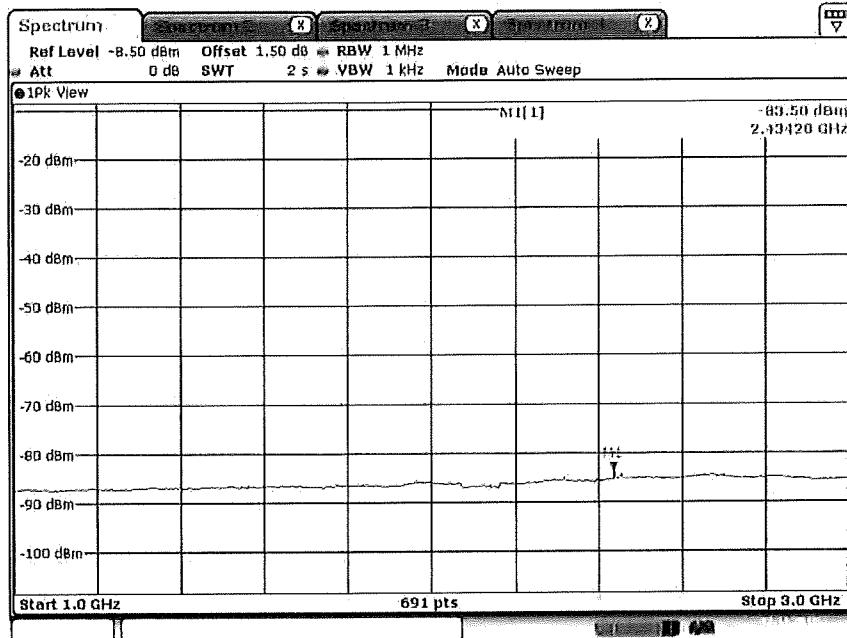
## Plot on Configuration QPSK, 20M / 5240 MHz / Peak / Port 2 / 1GHz~3GHz



Date: 22 NOV. 2017 09:54:23

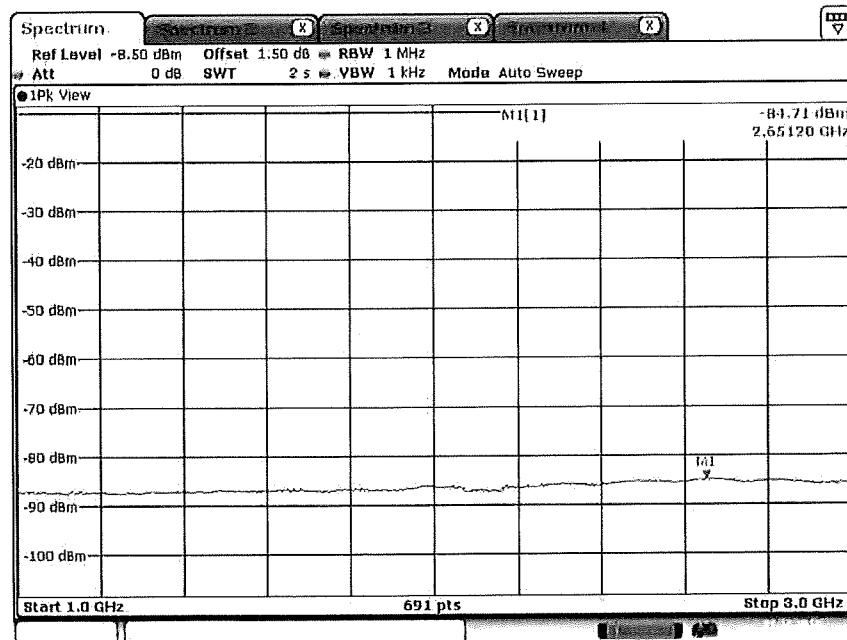


## Plot on Configuration QPSK, 80M / 5200 MHz / Average / Port 1 / 1GHz~3GHz

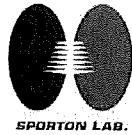


Date: 22.NOV.2017 10:12:19

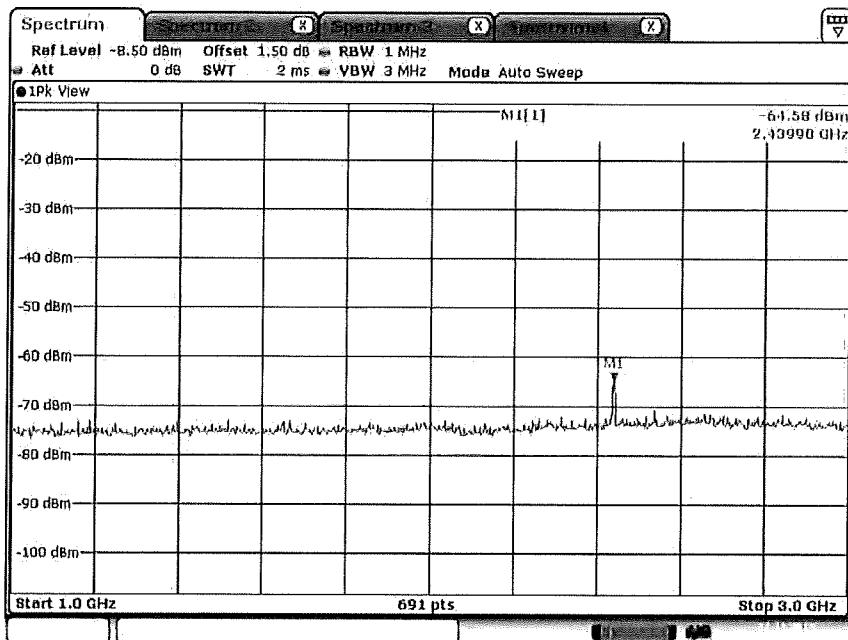
## Plot on Configuration QPSK, 80M / 5200 MHz / Average / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 09:56:54

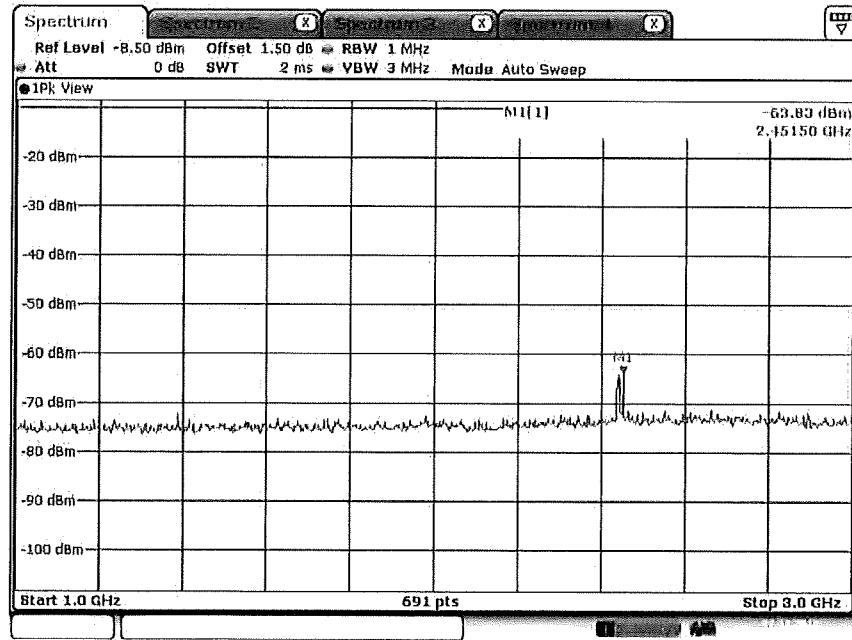


## Plot on Configuration QPSK, 80M / 5200 MHz / Peak / Port 1 / 1GHz~3GHz



Date: 22.NOV.2017 10:11:48

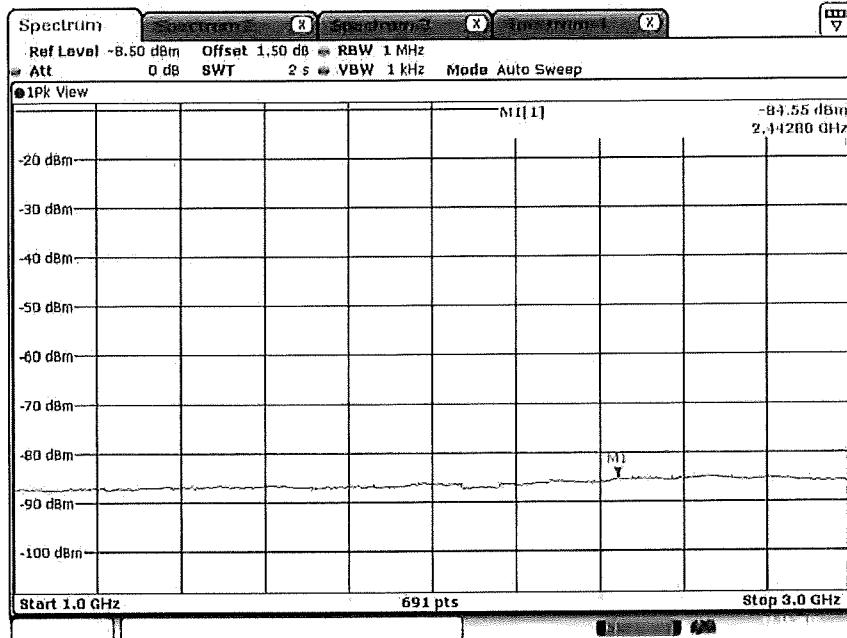
## Plot on Configuration QPSK, 80M / 5200 MHz / Peak / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 09:57:30

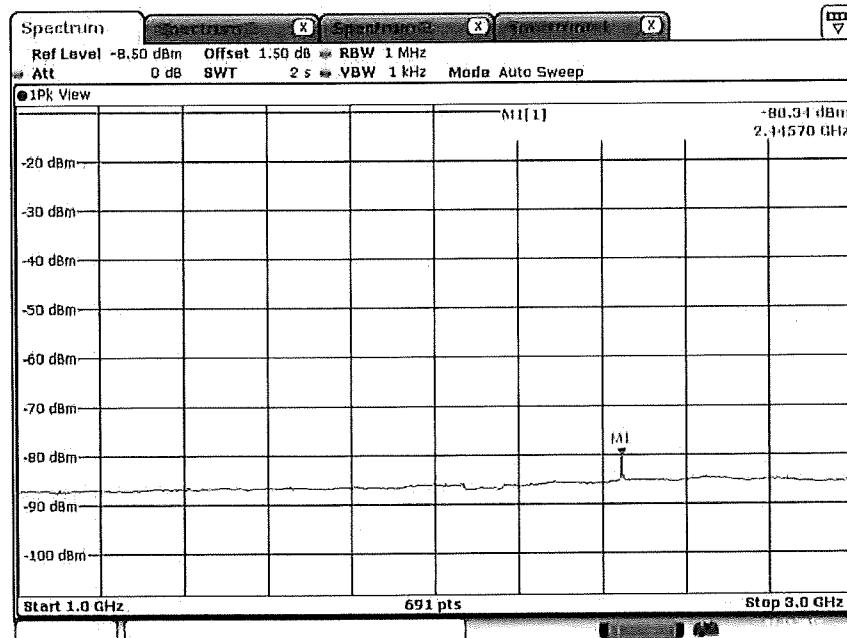


## Plot on Configuration QPSK, 80M / 5210 MHz / Average / Port 1 / 1GHz~3GHz

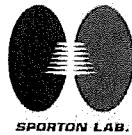


Date: 22.NOV.2017 10:10:04

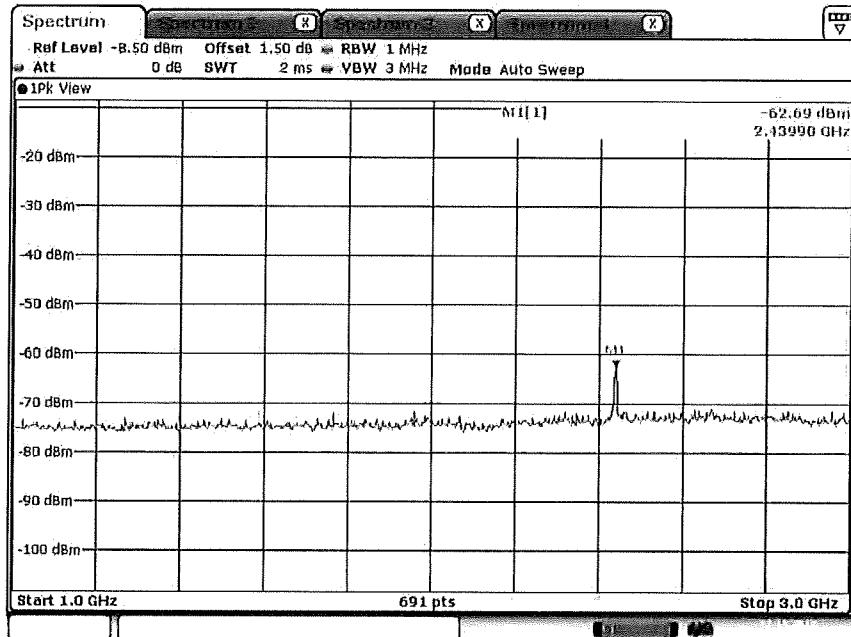
## Plot on Configuration QPSK, 80M / 5210 MHz / Average / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 10:01:34

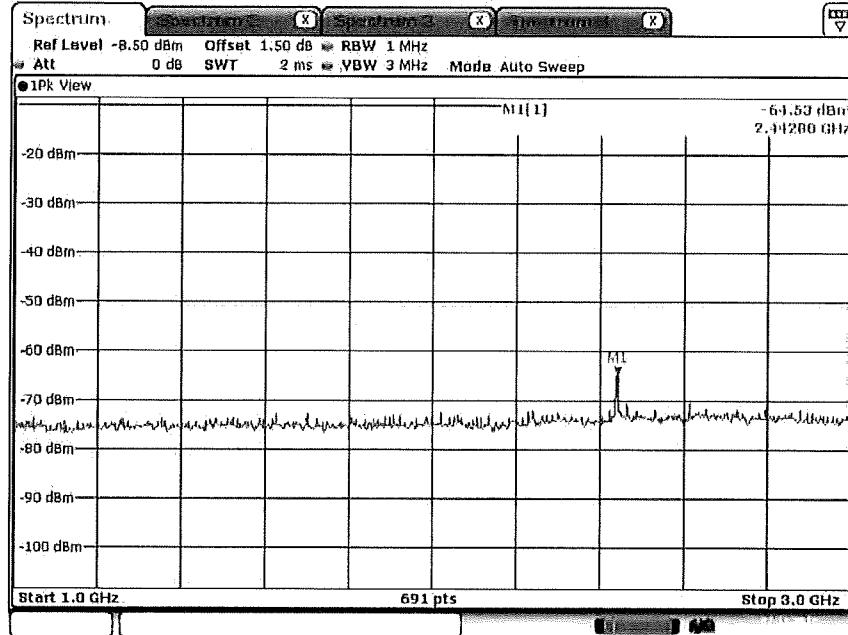


## Plot on Configuration QPSK, 80M / 5210 MHz / Peak / Port 1 / 1GHz~3GHz

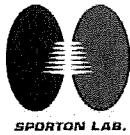


Date: 22.NOV.2017 10:10:58

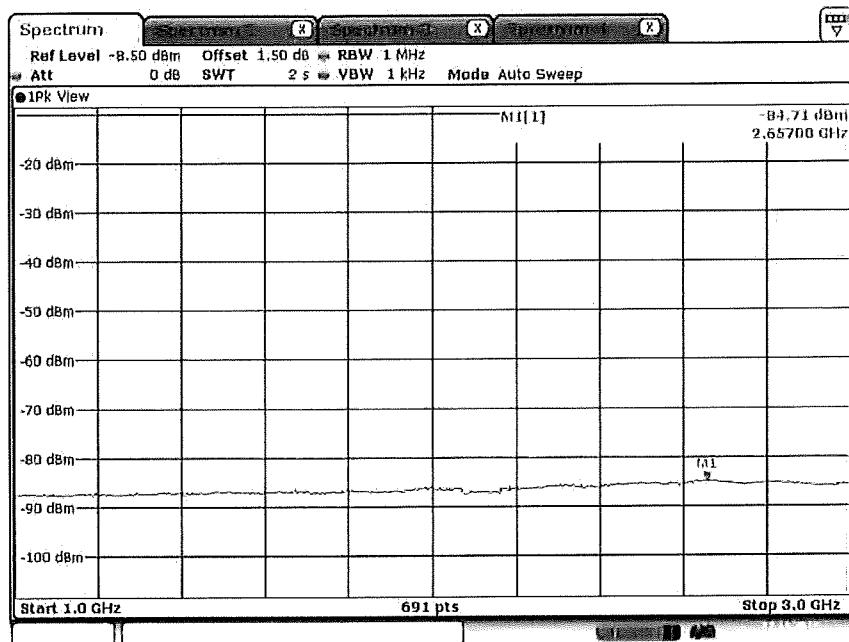
## Plot on Configuration QPSK, 80M / 5210 MHz / Peak / Port 2 / 1GHz~3GHz



Date: 22.NOV.2017 09:59:41

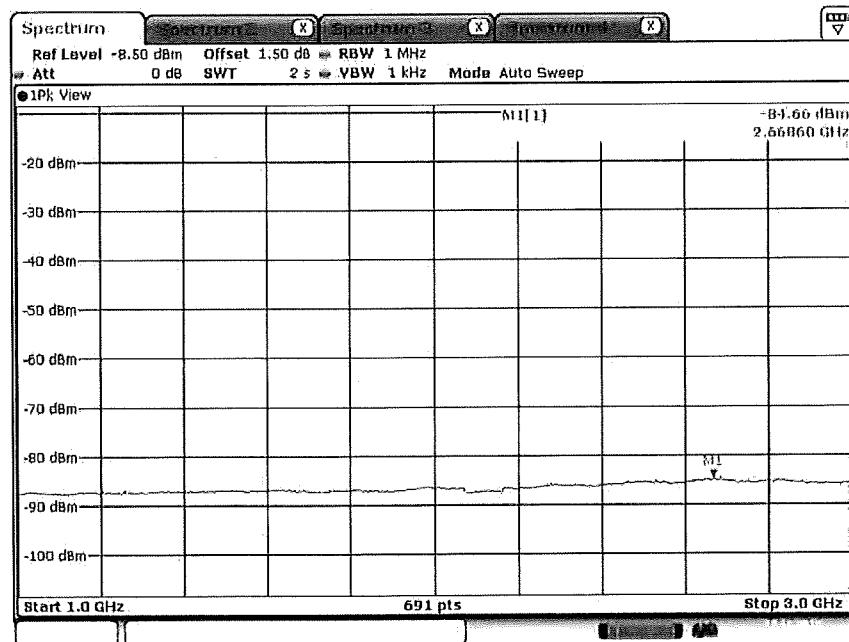


## Plot on Configuration QPSK, 20M / 5745 MHz / Average / Port 1 / 1GHz~3GHz



Date: 17.NOV.2017 16:02:42

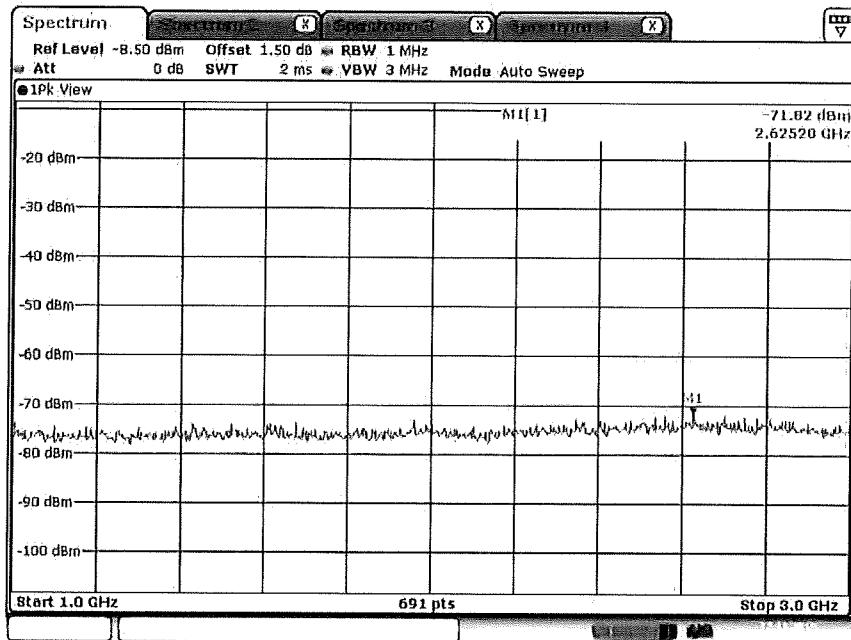
## Plot on Configuration QPSK, 20M / 5745 MHz / Average / Port 2 / 1GHz~3GHz



Date: 17.NOV.2017 16:05:25

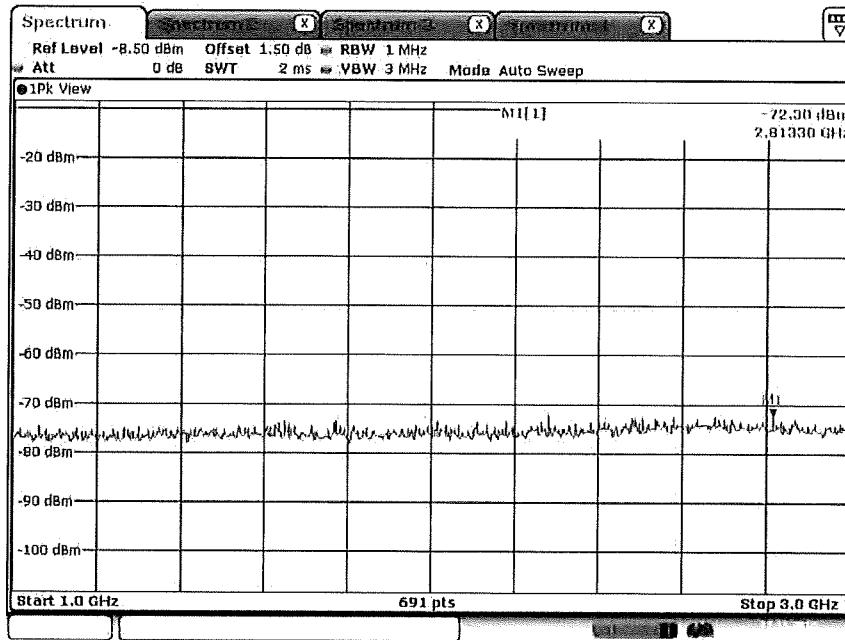


## Plot on Configuration QPSK, 20M / 5745 MHz / Peak / Port 1 / 1GHz~3GHz



Date: 17.NOV.2017 | 5.03:38

## Plot on Configuration QPSK, 20M / 5745 MHz / Peak / Port 2 / 1GHz~3GHz



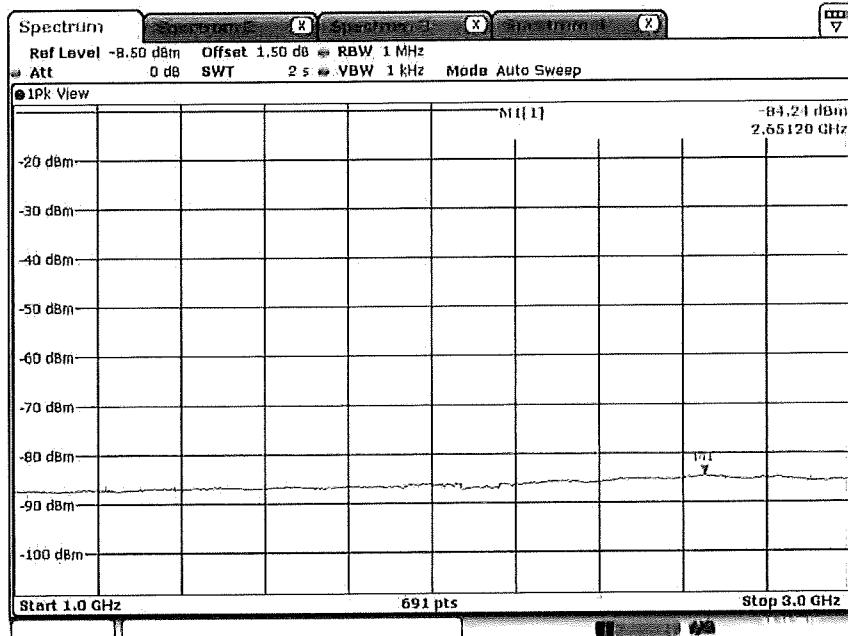
Date: 17.NOV.2017 | 5.05:00



SPORTON LAB.

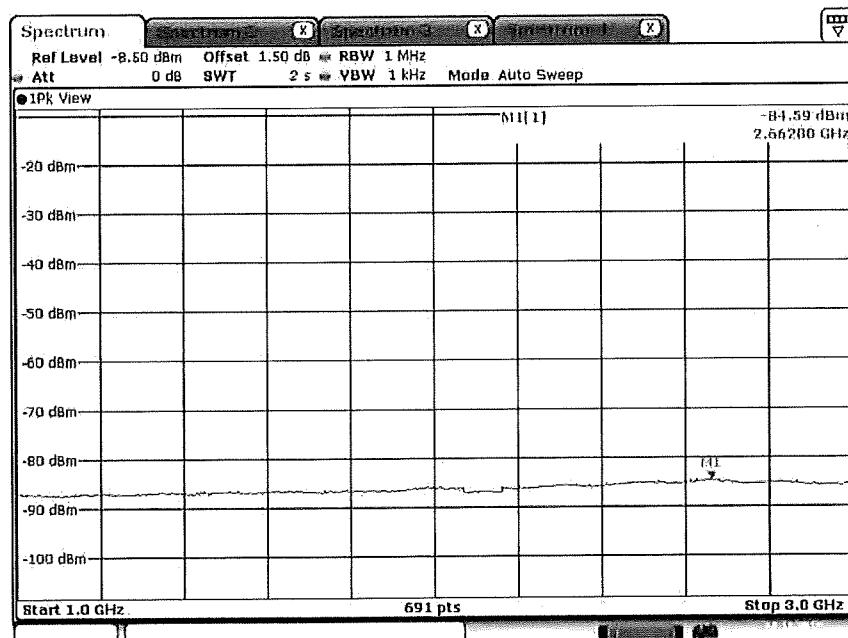
Report No.: FR7D0728

## Plot on Configuration QPSK, 20M / 5785 MHz / Average / Port 1 / 1GHz~3GHz



Date: 19.NOV.2017 01:13:44

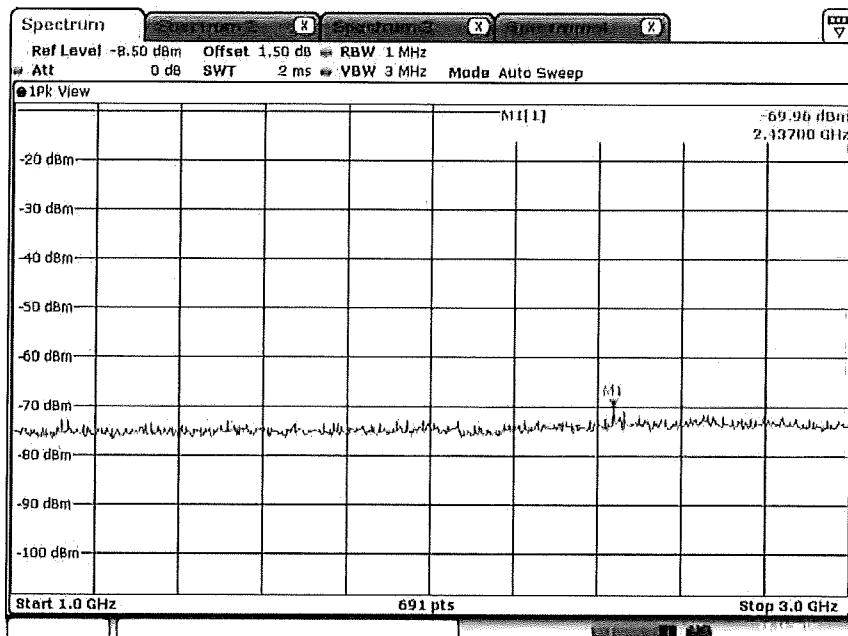
## Plot on Configuration QPSK, 20M / 5785 MHz / Average / Port 2 / 1GHz~3GHz



Date: 19.NOV.2017 01:41:02

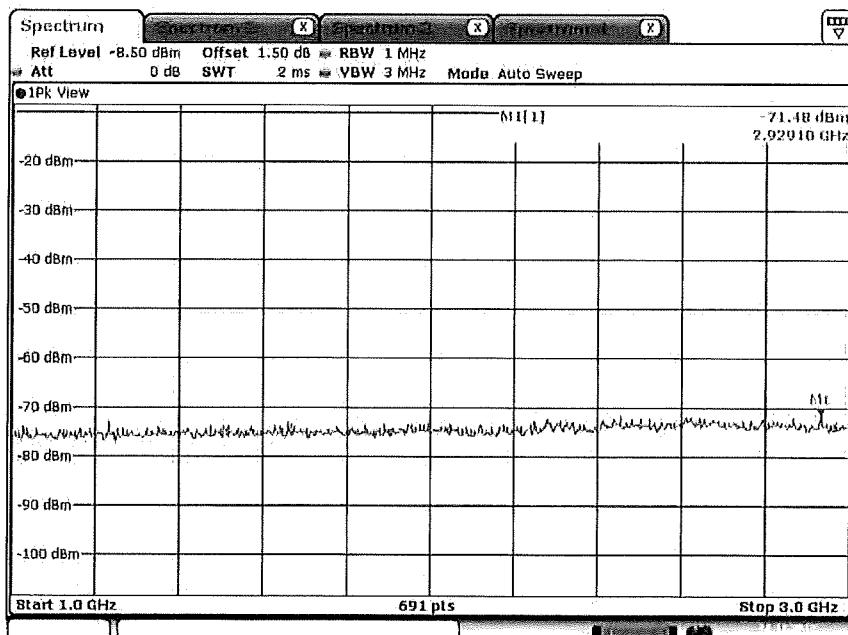


## Plot on Configuration QPSK, 20M / 5785 MHz / Peak / Port 1 / 1GHz~3GHz



Date: 19.NOV.2017 01:14:32

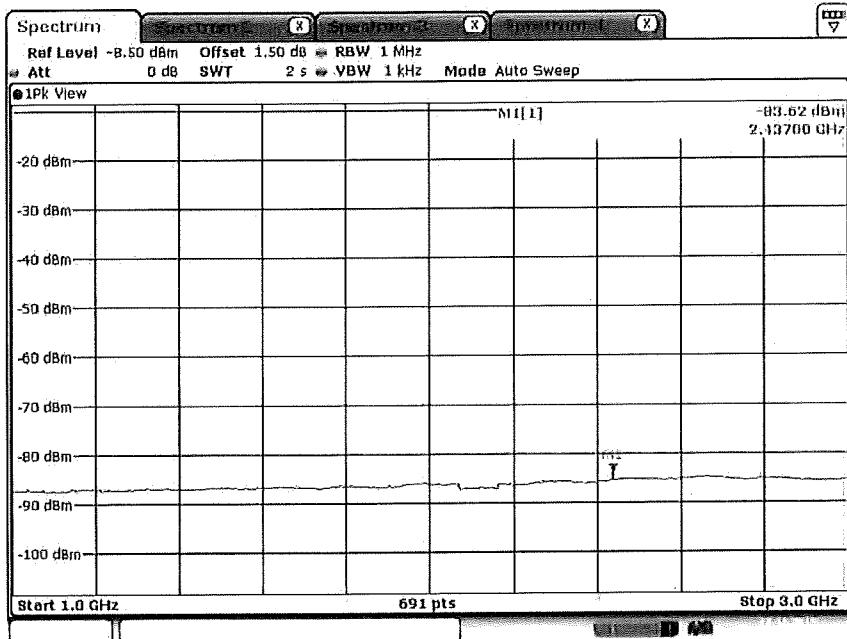
## Plot on Configuration QPSK, 20M / 5785 MHz / Peak / Port 2 / 1GHz~3GHz



Date: 19.NOV.2017 01:41:52

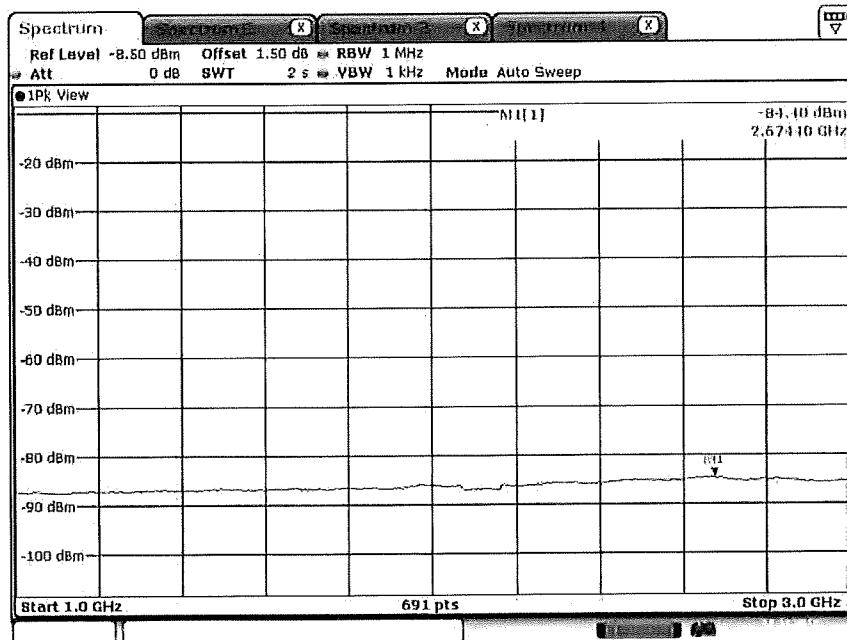


## Plot on Configuration QPSK, 20M / 5825 MHz / Average / Port 1 / 1GHz~3GHz



Date: 19.NOV.2017 01:44:12

## Plot on Configuration QPSK, 20M / 5825 MHz / Average / Port 2 / 1GHz~3GHz



Date: 19.NOV.2017 02:08:24