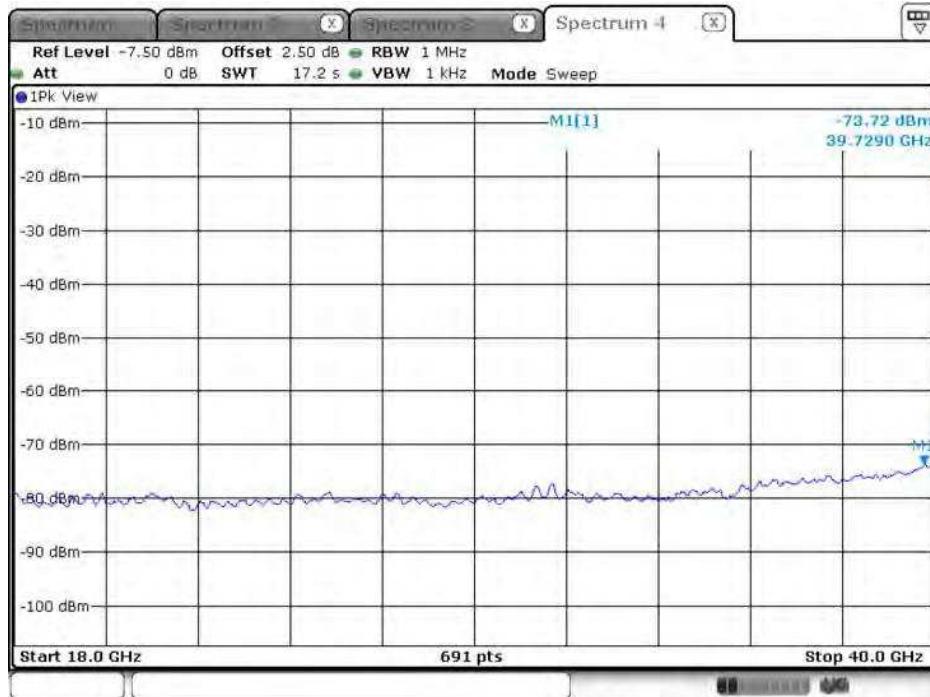
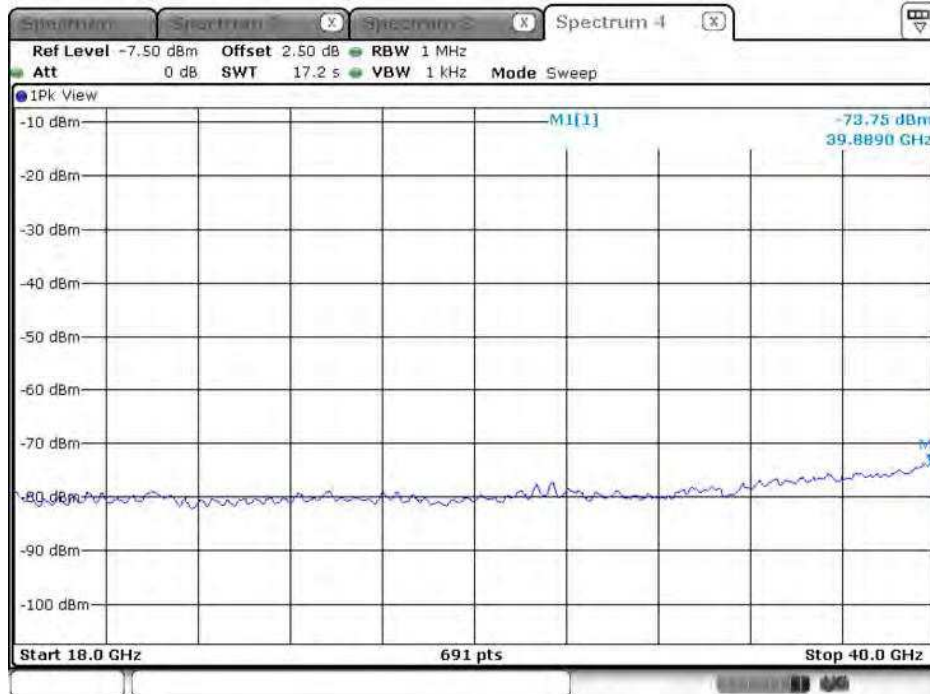


Plot on Configuration QPSK, 40M / 5200 MHz / Average / Port 1 / 18GHz~40GHz



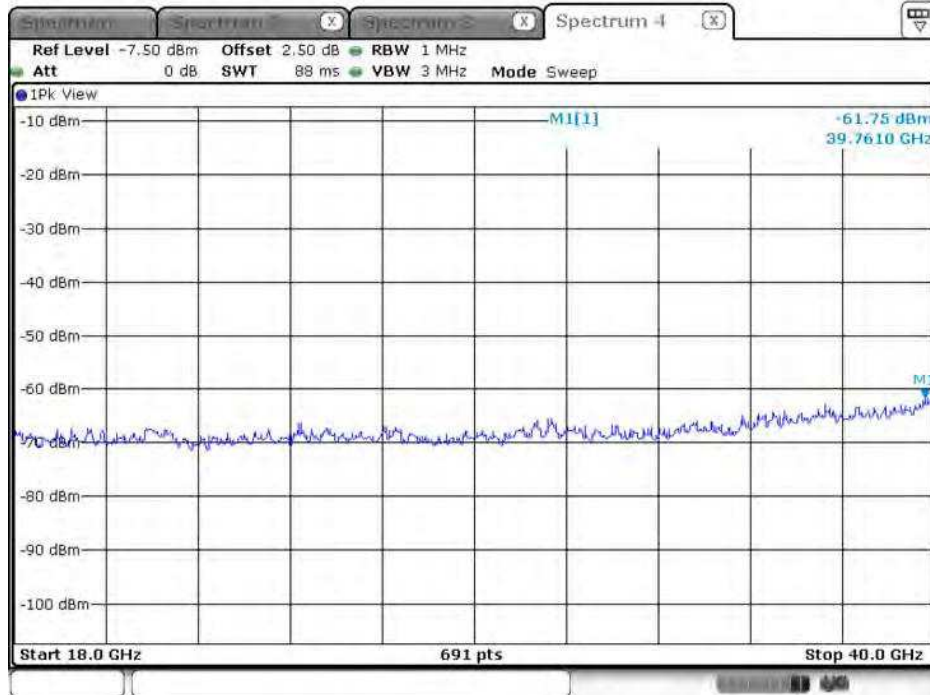
Date: 8 FEB. 2018 14:31:43

Plot on Configuration QPSK, 40M / 5200 MHz / Average / Port 2 / 18GHz~40GHz



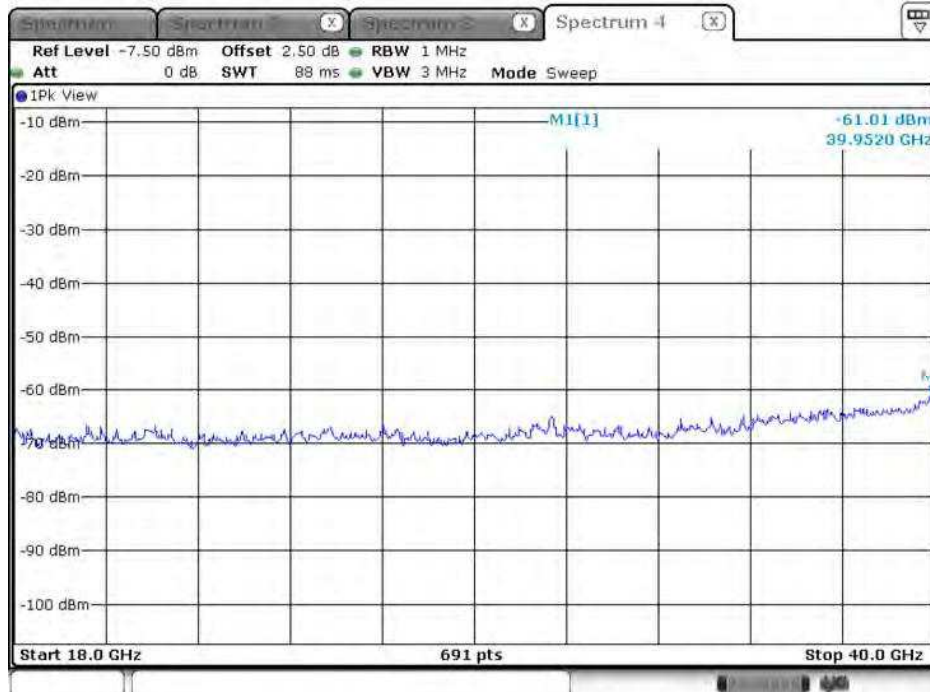
Date: 8 FEB. 2018 14:36:09

Plot on Configuration QPSK, 40M / 5200 MHz / Peak / Port 1 / 18GHz~40GHz



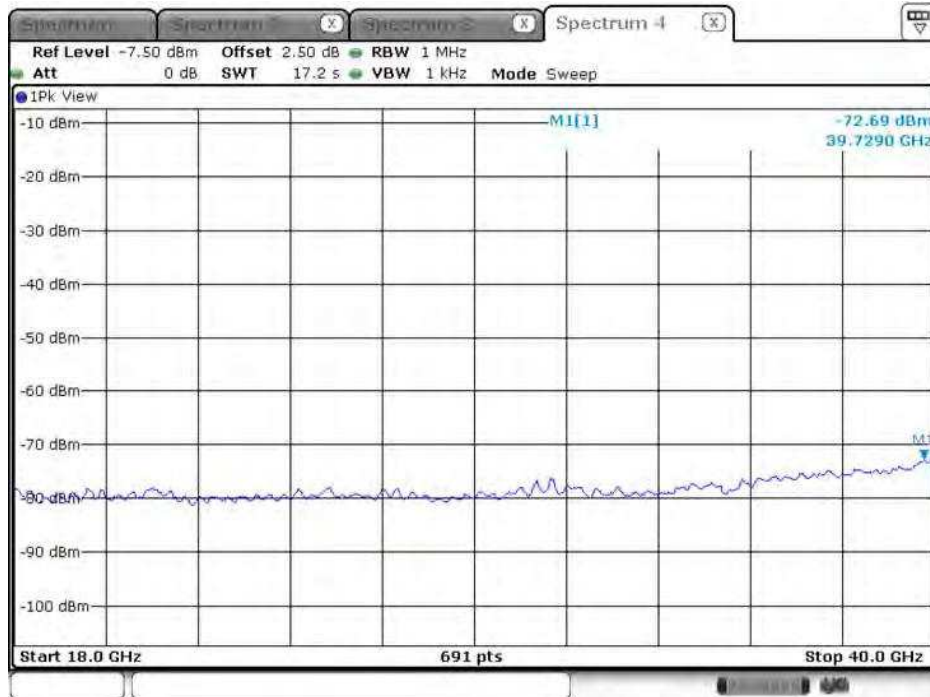
Date: 8 FEB. 2018 14:33:03

Plot on Configuration QPSK, 40M / 5200 MHz / Peak / Port 2 / 18GHz~40GHz



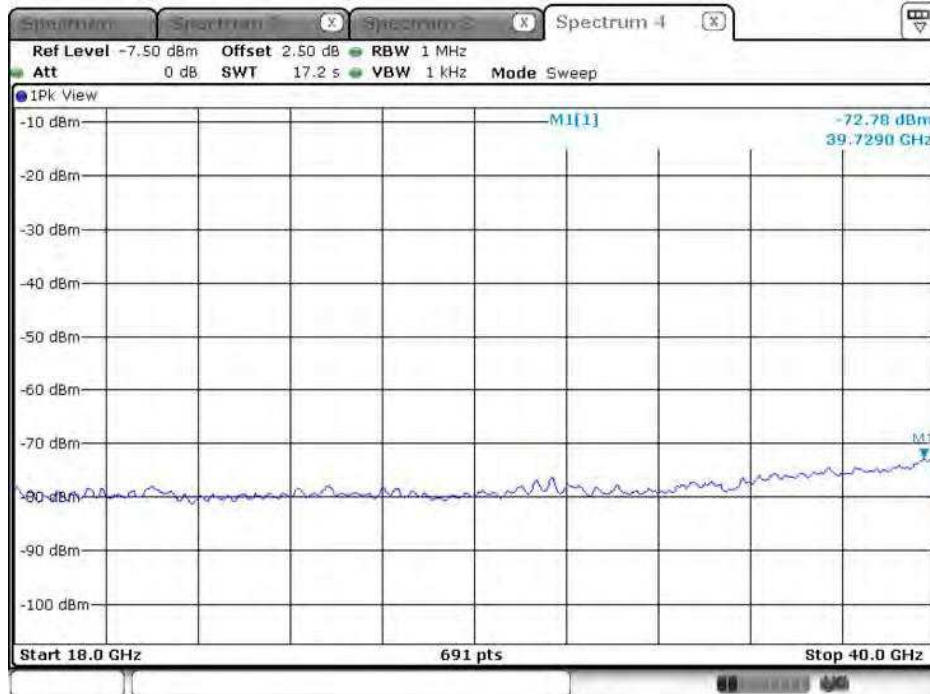
Date: 8 FEB. 2018 14:37:00

Plot on Configuration QPSK, 40M / 5230 MHz / Average / Port 1 / 18GHz~40GHz



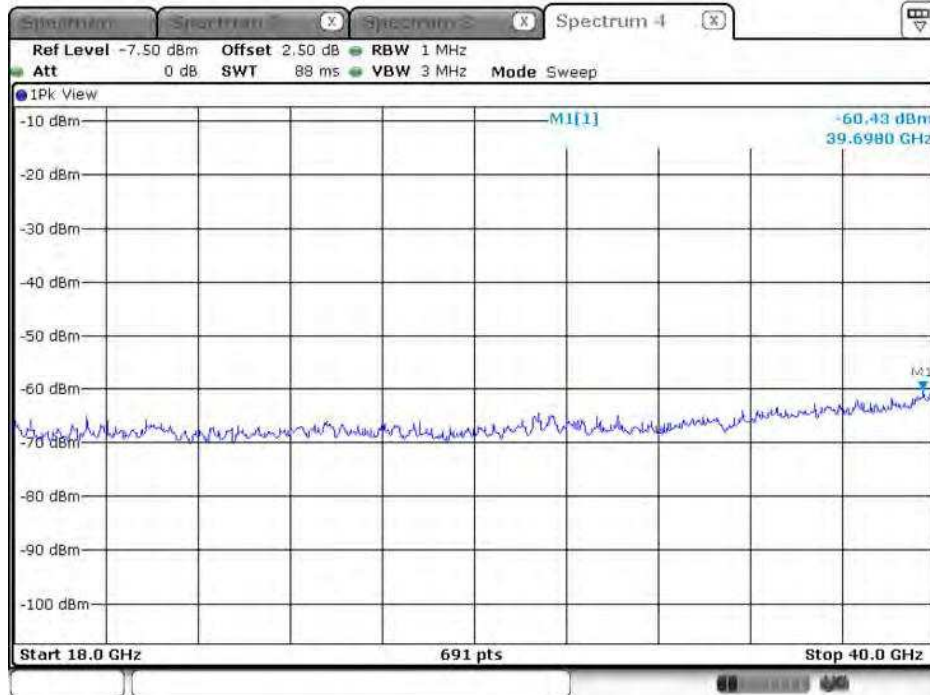
Date: 8 FEB. 2018 16:49:01

Plot on Configuration QPSK, 40M / 5230 MHz / Average / Port 2 / 18GHz~40GHz



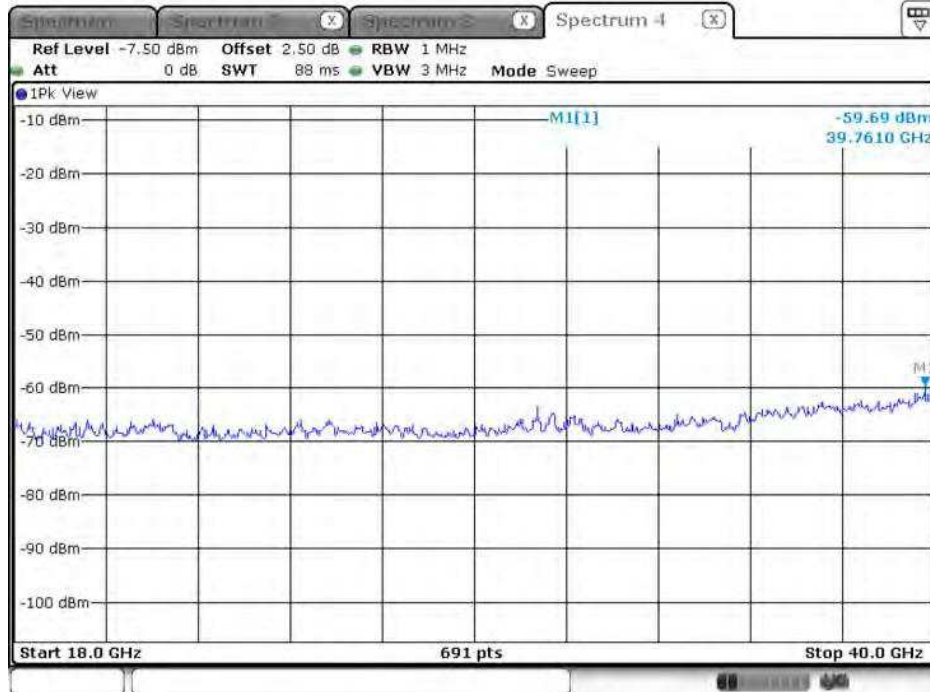
Date: 8 FEB. 2018 16:55:21

Plot on Configuration QPSK, 40M / 5230 MHz / Peak / Port 1 / 18GHz~40GHz



Date: 8 FEB. 2018 16:49:45

Plot on Configuration QPSK, 40M / 5230 MHz / Peak / Port 2 / 18GHz~40GHz



Date: 8 FEB. 2018 16:56:50



Conducted Bandedge above 1GHz Result

Appendix D.2

For Conducted Bandedge

For Antenna 1:

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 5M / Average / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5155	-47.20	-47.32	-42.25	-41.25	1.00
5200	-49.68	-49.29	-44.47	-41.25	3.22
5245	-46.96	-47.81	-42.35	-41.25	1.10

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 40M / Average / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5175	-46.48	-46.62	-41.54	-41.25	0.29
5200	-47.36	-46.92	-42.12	-41.25	0.87
5230	-47.64	-47.32	-42.47	-41.25	1.22

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 5M / Peak / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5155	-33.15	-31.45	-27.21	-27.00	0.21
5200	-36.76	-36.30	-31.51	-27.00	4.51
5245	-35.45	-35.83	-30.63	-27.00	3.63



Conducted Bandedge above 1GHz Result

Appendix D.2

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 40M / Peak / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5175	-34.68	-34.92	-29.79	-27.00	2.79
5200	-33.48	-32.54	-27.97	-27.00	0.97
5230	-32.83	-31.95	-27.36	-27.00	0.36

For Antenna 2:

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 5M / Average / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5155	-68.75	-68.99	-41.86	-41.25	0.61
5200	-68.87	-68.70	-41.77	-41.25	0.52
5245	-68.87	-68.90	-41.87	-41.25	0.62

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 40M / Average / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5175	-68.48	-68.69	-41.57	-41.25	0.32
5200	-68.81	-69.00	-41.89	-41.25	0.64
5230	-68.23	-68.98	-41.58	-41.25	0.33

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 5M / Peak / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5155	-57.20	-57.10	-30.14	-27.00	3.14
5200	-57.00	-55.89	-29.40	-27.00	2.40
5245	-56.33	-56.98	-29.63	-27.00	2.63



Conducted Bandedge above 1GHz Result

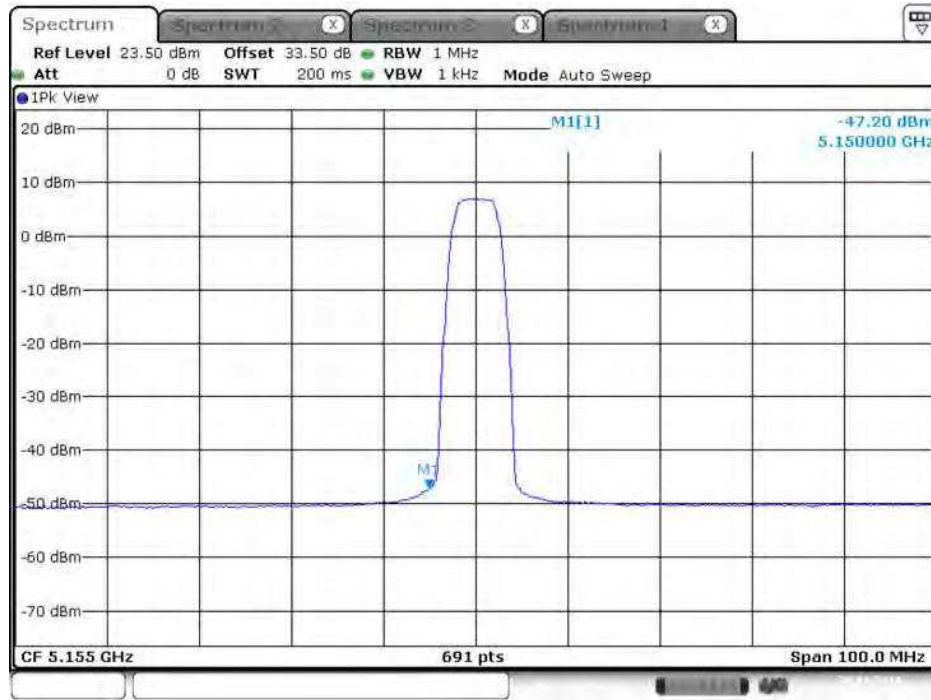
Appendix D.2

Temperature	22 °C	Humidity	54%
Test Engineer	Ron Huang / Serway Li	Configurations	QPSK, 40M / Peak / Port 1 + Port 2

Frequency(MHz)	Port 1 (TX1) Bandedge Level (dBm)	Port 2 (TX2) Bandedge Level (dBm)	Total Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5175	-56.70	-56.57	-29.62	-27.00	2.62
5200	-57.46	-57.46	-30.45	-27.00	3.45
5230	-58.55	-56.15	-30.18	-27.00	3.18

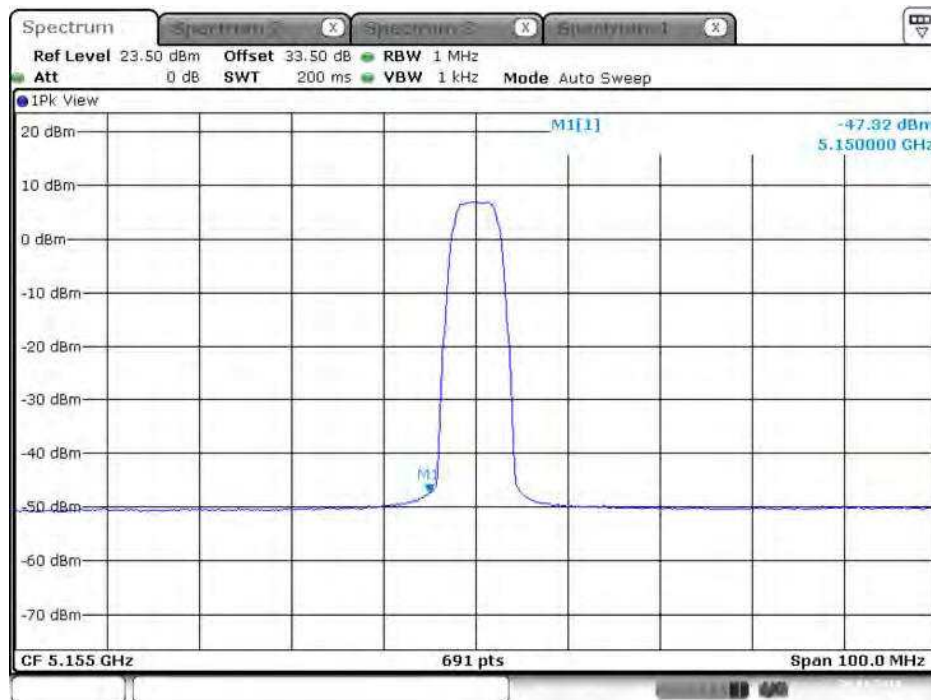
For Antenna 1:

Plot on Configuration QPSK, 5M / 5155 MHz / Average / Port 1 (TX1)



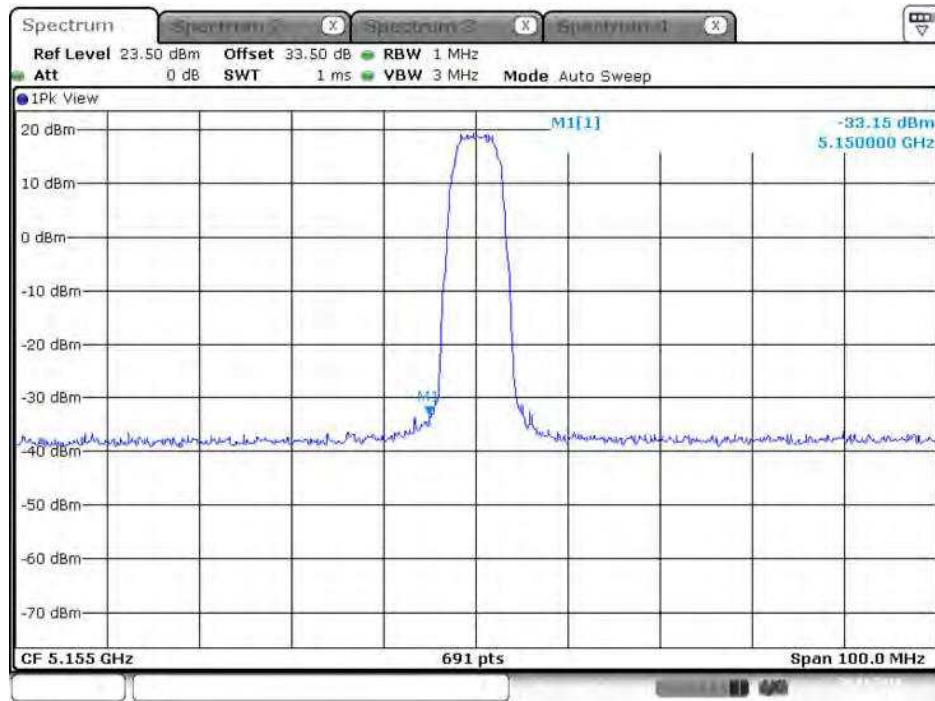
Date: 20 JAN 2018 01:35:14

Plot on Configuration QPSK, 5M / 5155 MHz / Average / Port 2 (TX2)



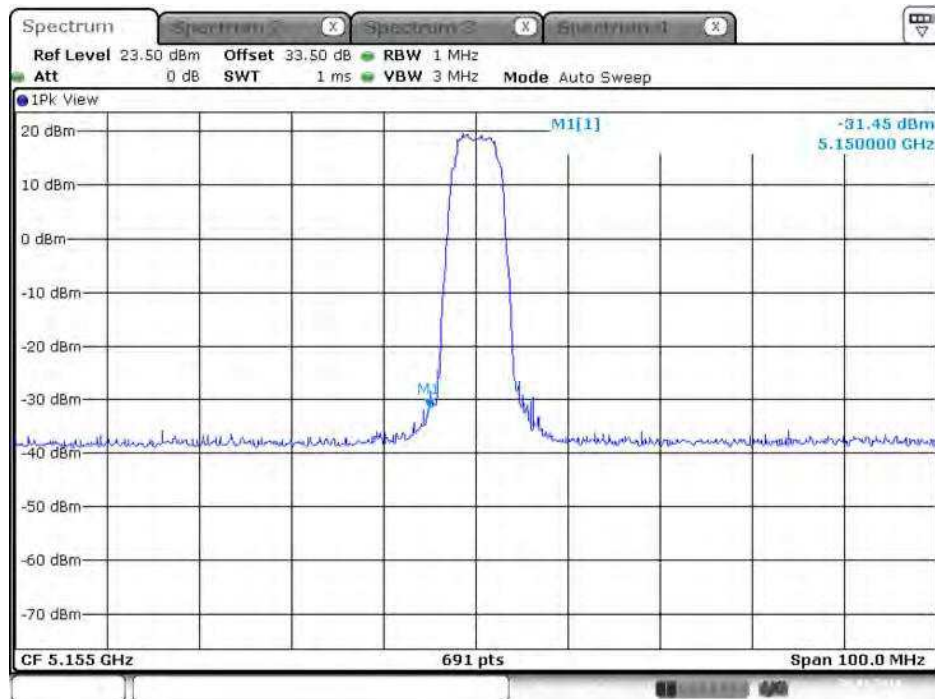
Date: 20 JAN 2018 01:36:00

Plot on Configuration QPSK, 5M / 5155 MHz / Peak / Port 1 (TX1)



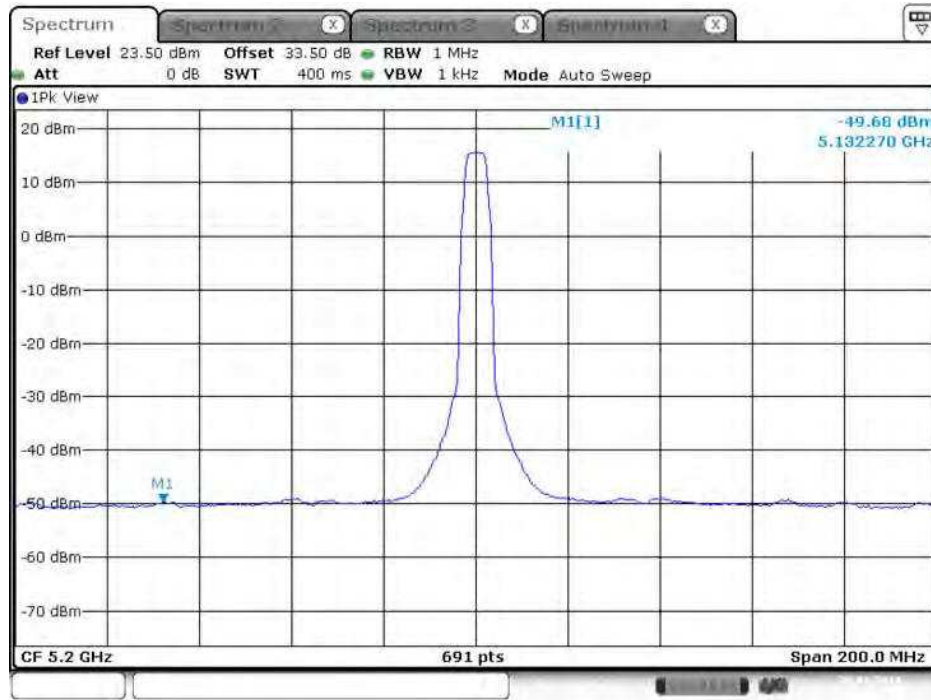
Date: 20 JAN 2018 01:34:07

Plot on Configuration QPSK, 5M / 5155 MHz / Peak / Port 2 (TX2)



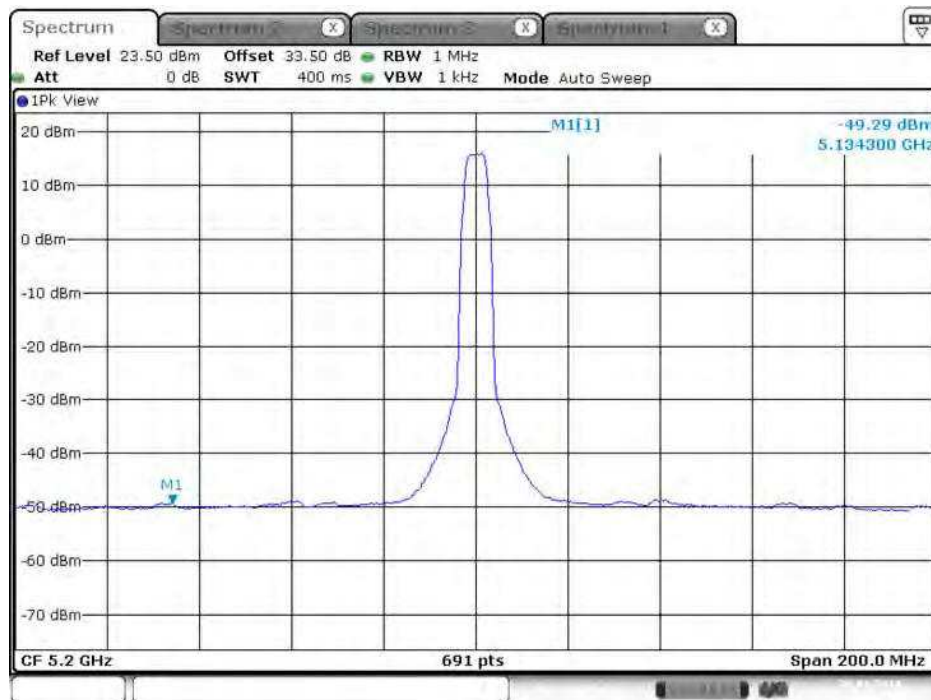
Date: 20 JAN 2018 01:33:02

Plot on Configuration QPSK, 5M / 5200 MHz/ Average / Port 1 (TX1)



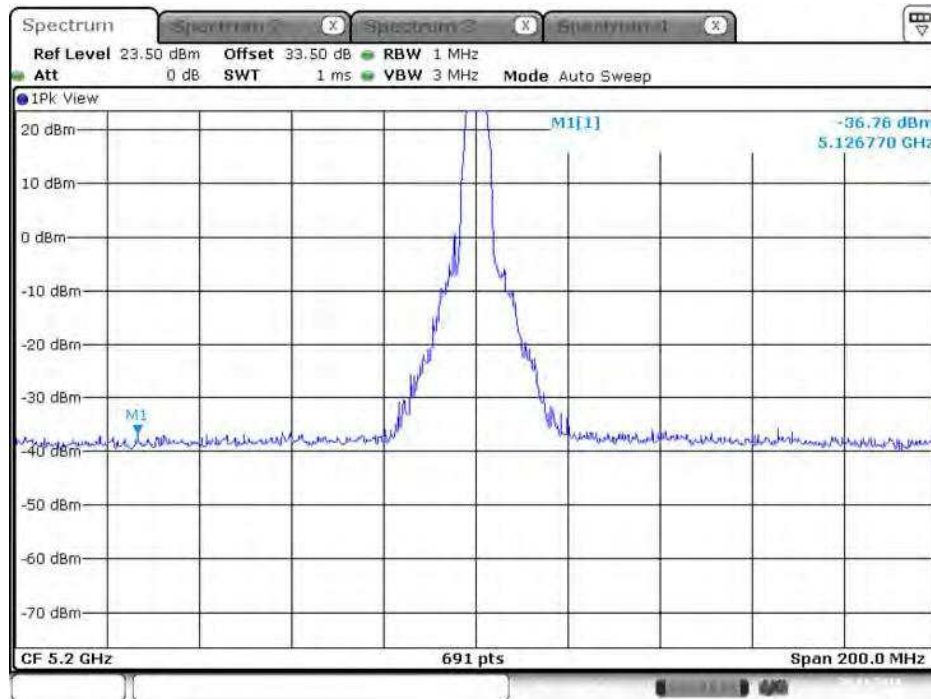
Date: 20 JAN 2018 01:49:35

Plot on Configuration QPSK, 5M / 5200 MHz/ Average / Port 2 (TX2)



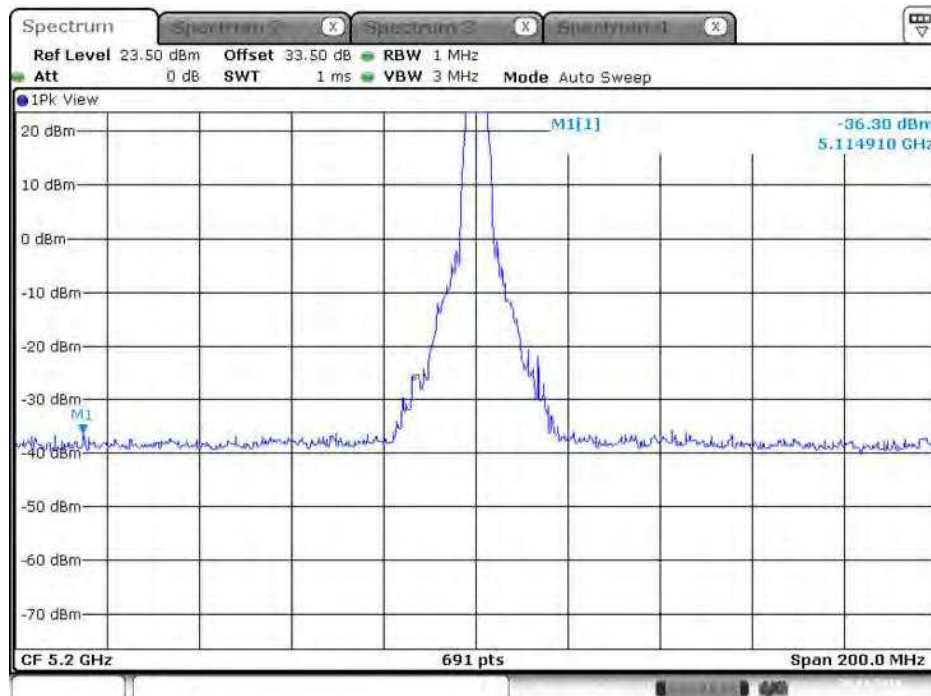
Date: 20 JAN 2018 01:48:02

Plot on Configuration QPSK, 5M / 5200 MHz/ Peak / Port 1 (TX1)



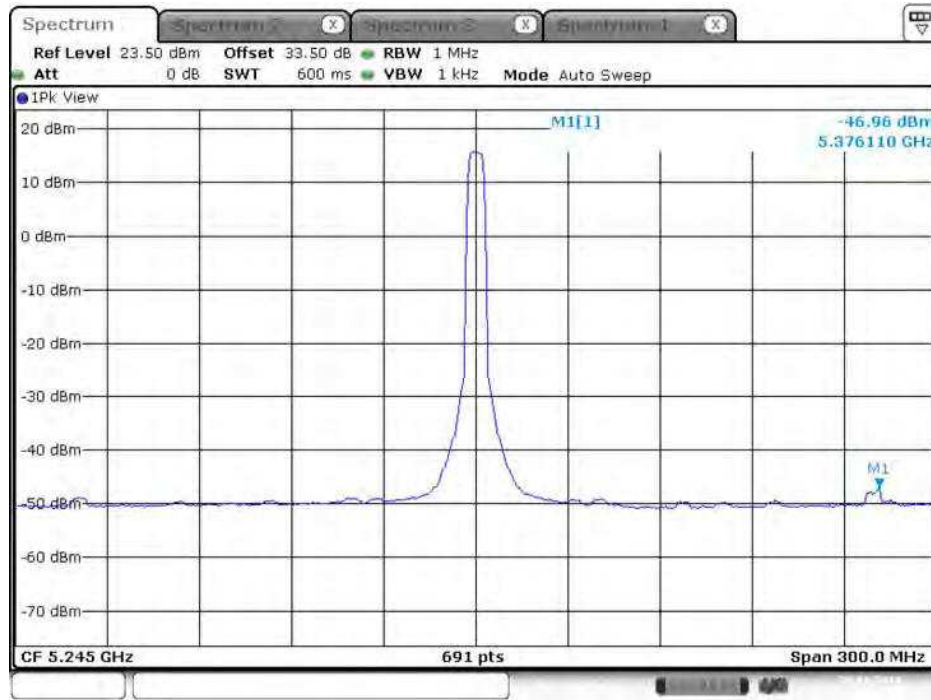
Date: 20 JAN 2018 01:49:11

Plot on Configuration QPSK, 5M / 5200 MHz / Peak / Port 2 (TX2)



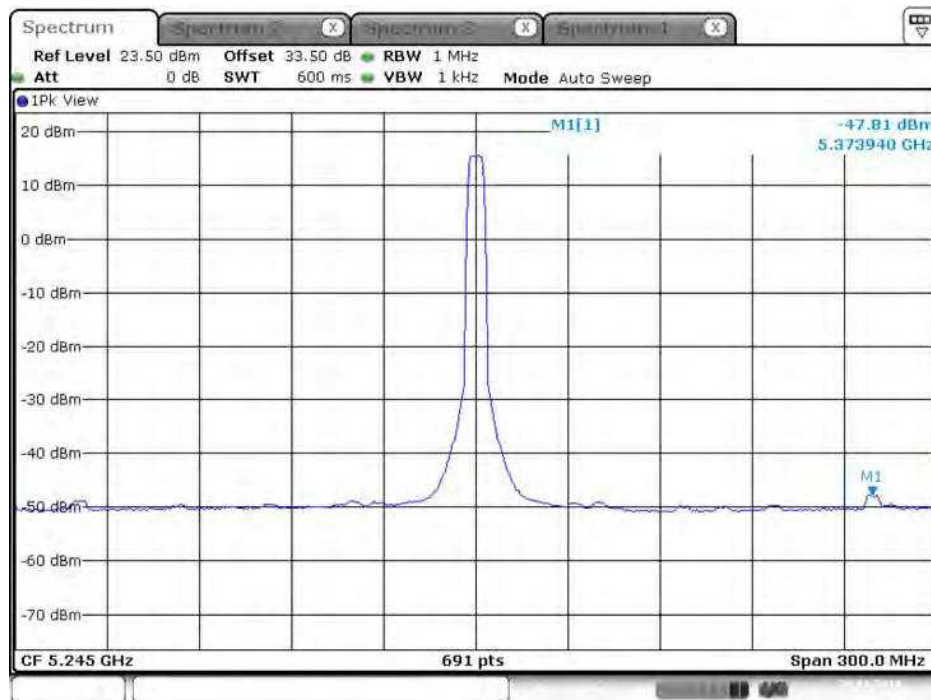
Date: 20 JAN 2018 01:48:24

Plot on Configuration QPSK, 5M / 5245 MHz / Average / Port 1 (TX1)



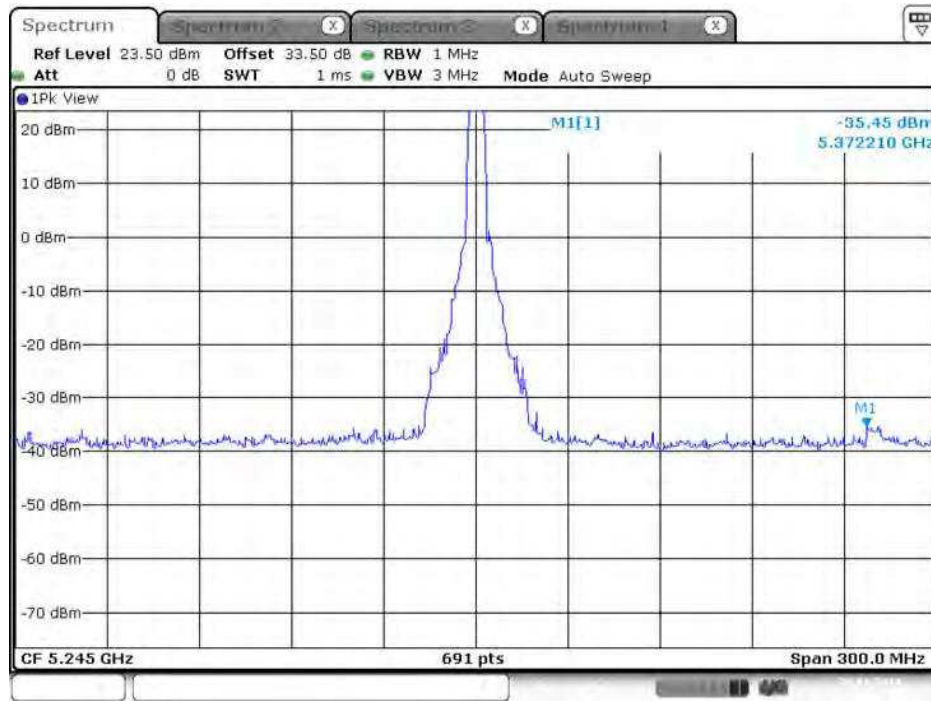
Date: 20 JAN 2018 02:01:46

Plot on Configuration QPSK, 5M / 5245 MHz / Average / Port 2 (TX2)



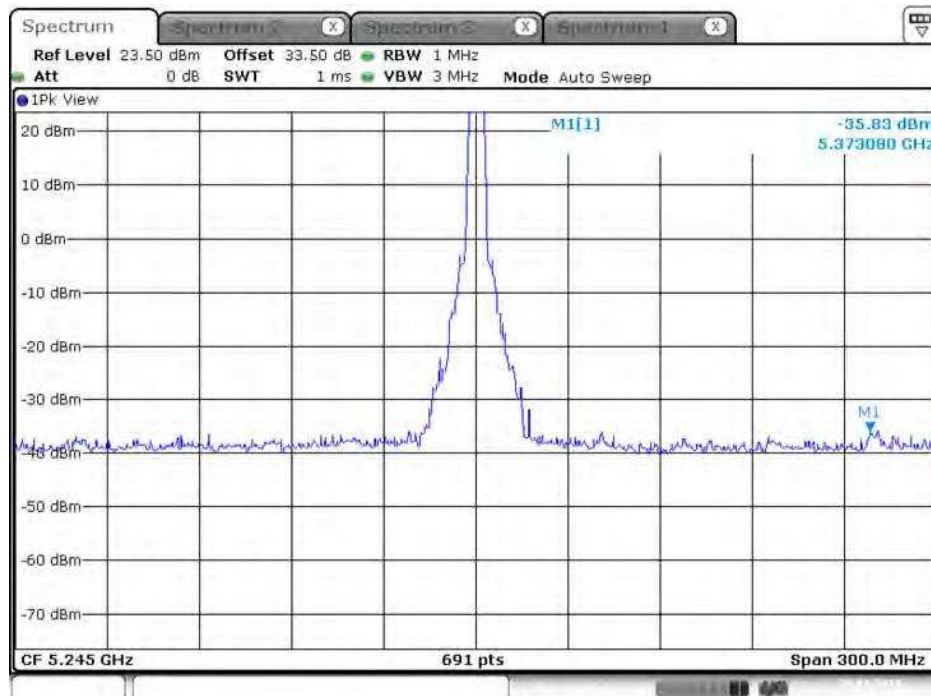
Date: 20 JAN 2018 02:04:55

Plot on Configuration QPSK, 5M / 5245 MHz / Peak / Port 1 (TX1)



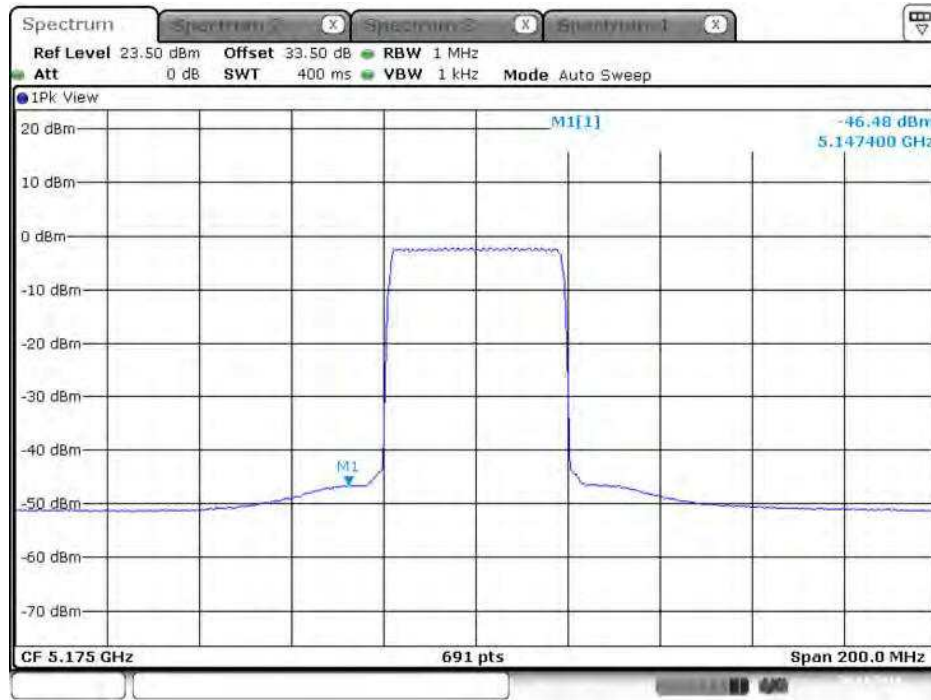
Date: 20. JAN 2018 02:03:26

Plot on Configuration QPSK, 5M / 5245 MHz / Peak / Port 2 (TX2)



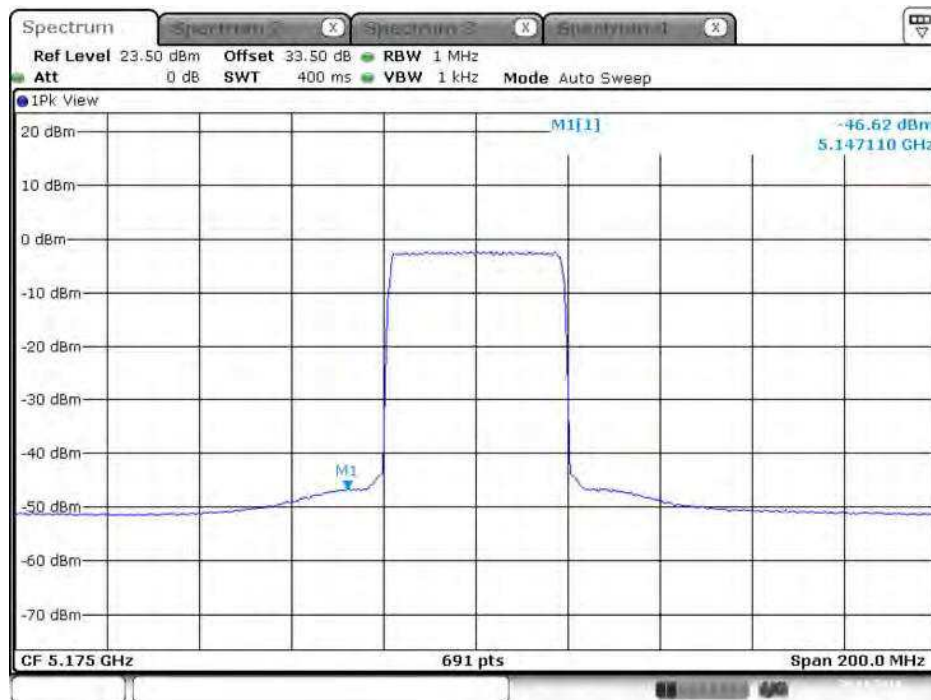
Date: 20. JAN 2018 02:04:16

Plot on Configuration QPSK, 40M / 5175 MHz / Average / Port 1 (TX1)



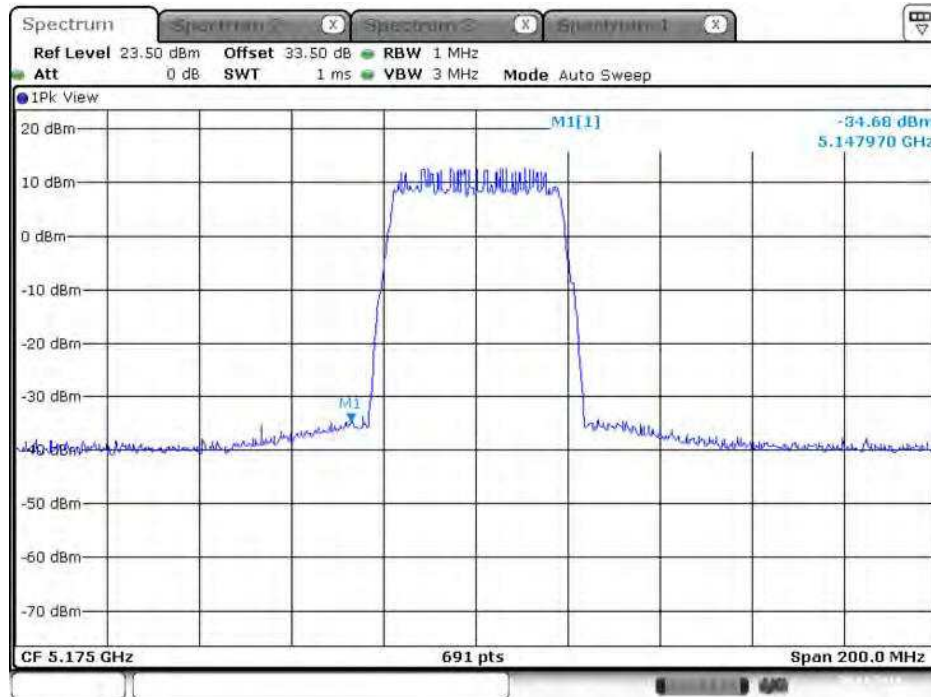
Date: 20.JAN.2018 18:33:30

Plot on Configuration QPSK, 40M / 5175 MHz / Average / Port 2 (TX2)



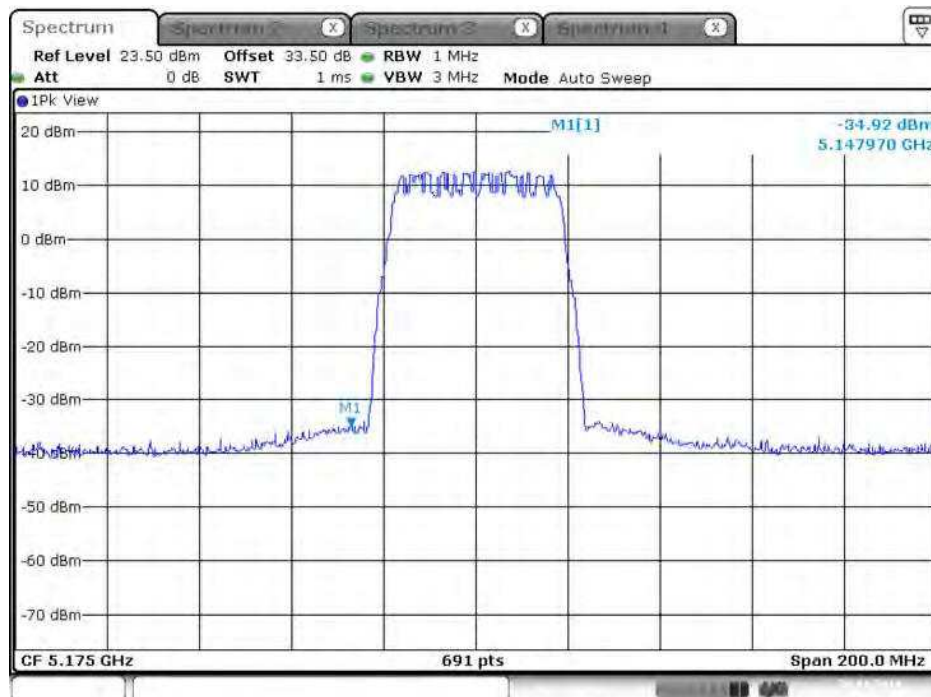
Date: 20.JAN.2018 18:38:53

Plot on Configuration QPSK, 40M / 5175 MHz / Peak / Port 1 (TX1)



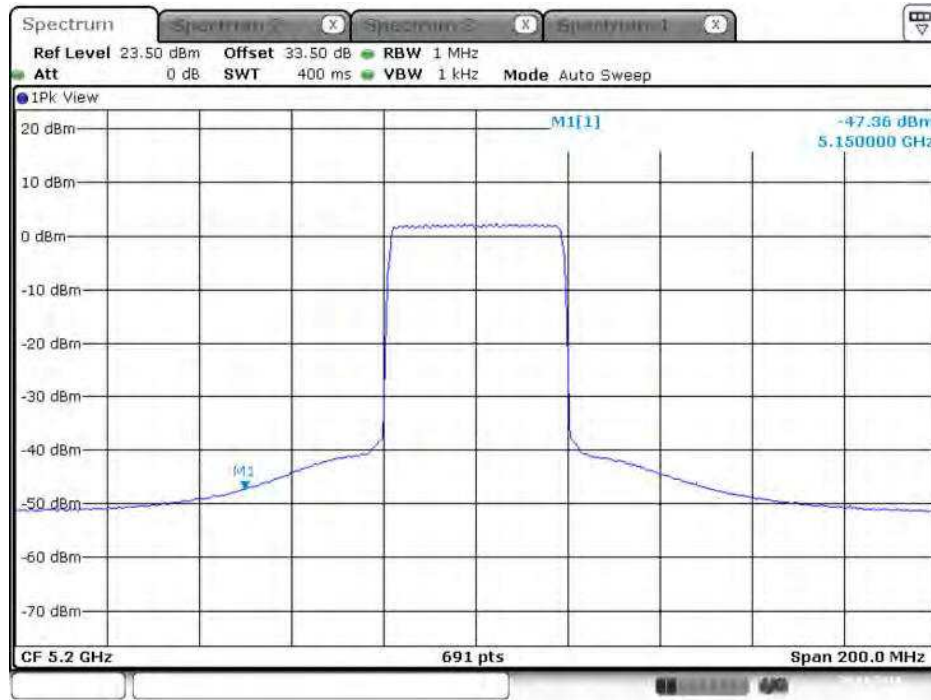
Date: 20.JAN.2018 18:36:01

Plot on Configuration QPSK, 40M / 5175 MHz / Peak / Port 2 (TX2)



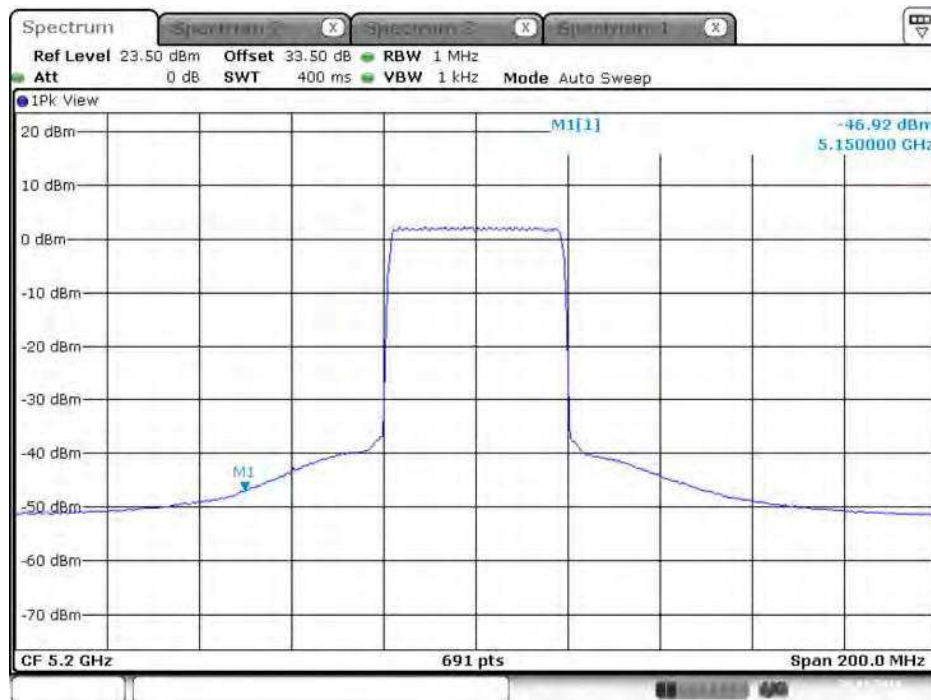
Date: 20.JAN.2018 18:40:24

Plot on Configuration QPSK, 40M / 5200 MHz / Average / Port 1 (TX1)



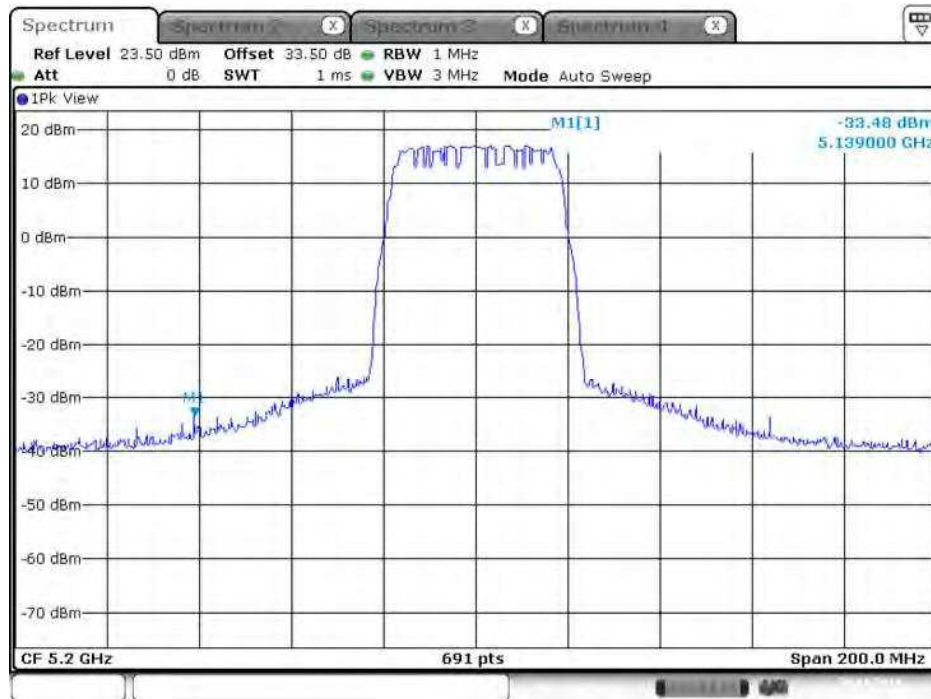
Date: 20 JAN 2018 12:39:10

Plot on Configuration QPSK, 40M / 5200 MHz / Average / Port 2 (TX2)



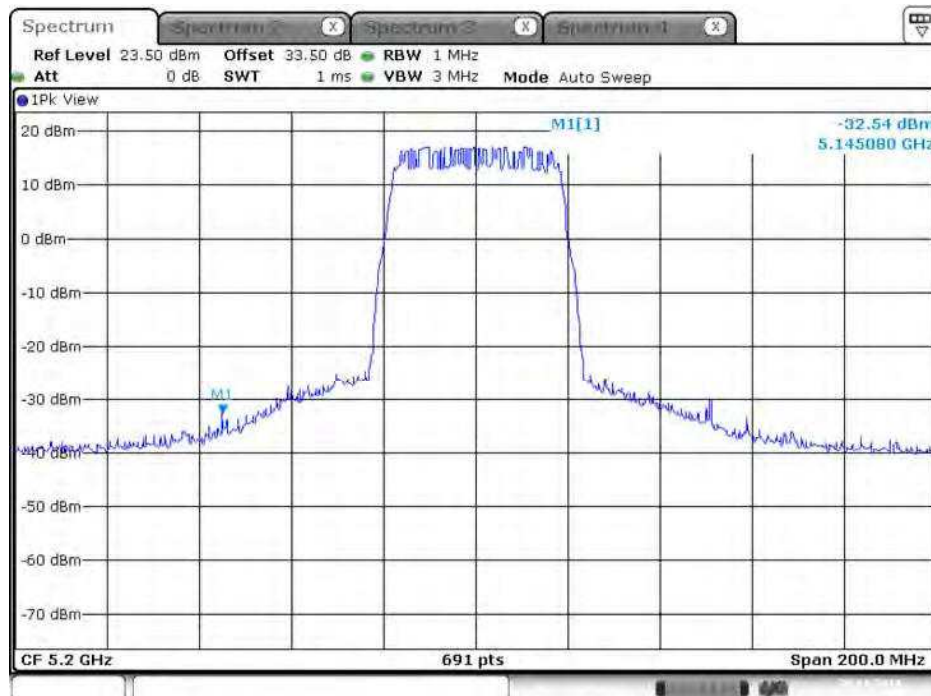
Date: 20 JAN 2018 12:37:15

Plot on Configuration QPSK, 40M / 5200 MHz / Peak / Port 1 (TX1)



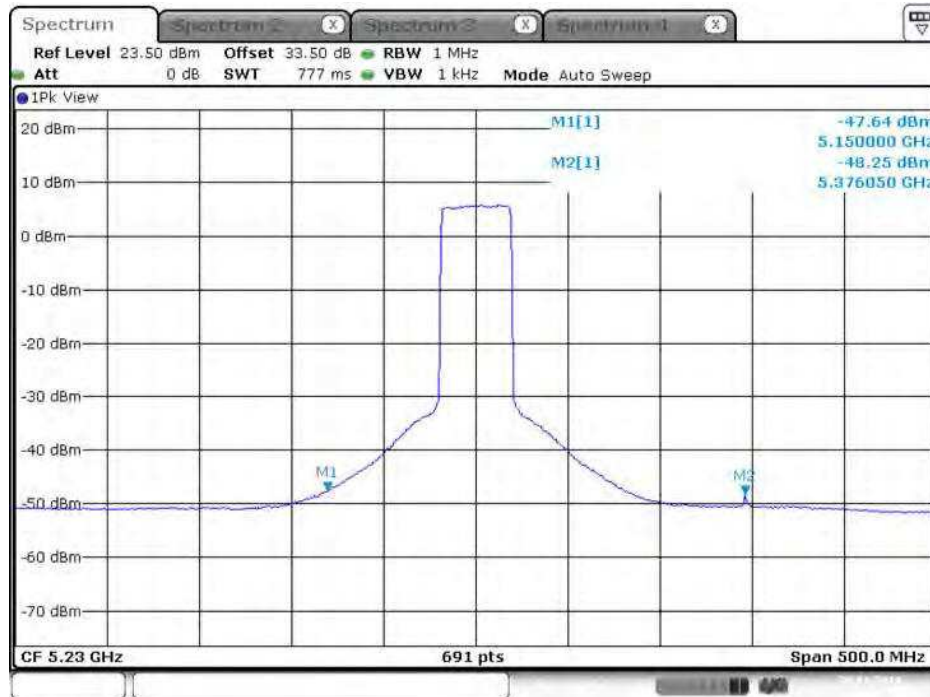
Date: 20.JAN.2018 12:57:07

Plot on Configuration QPSK, 40M / 5200 MHz / Peak / Port 2 (TX2)



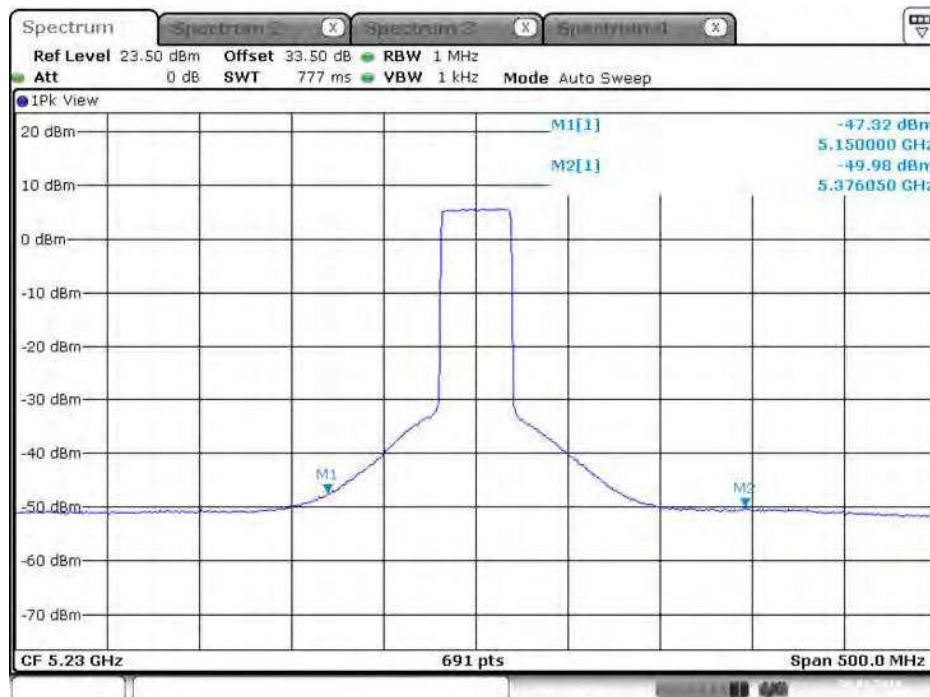
Date: 20.JAN.2018 13:02:47

Plot on Configuration QPSK, 40M / 5230 MHz / Average / Port 1 (TX1)



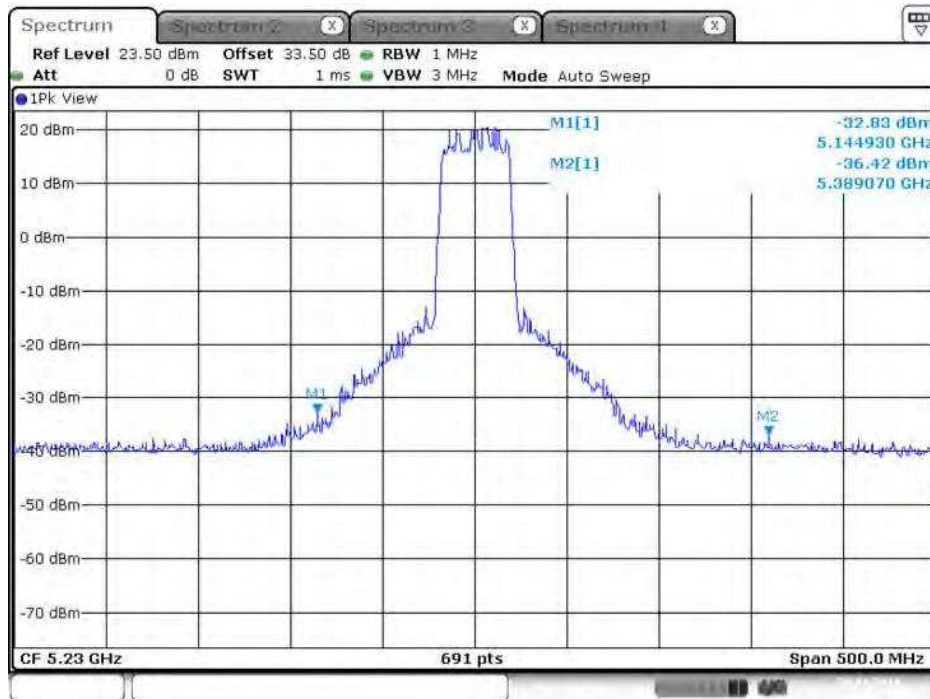
Date: 20. JAN 2018 13:38:05

Plot on Configuration QPSK, 40M / 5230 MHz / Average / Port 2 (TX2)



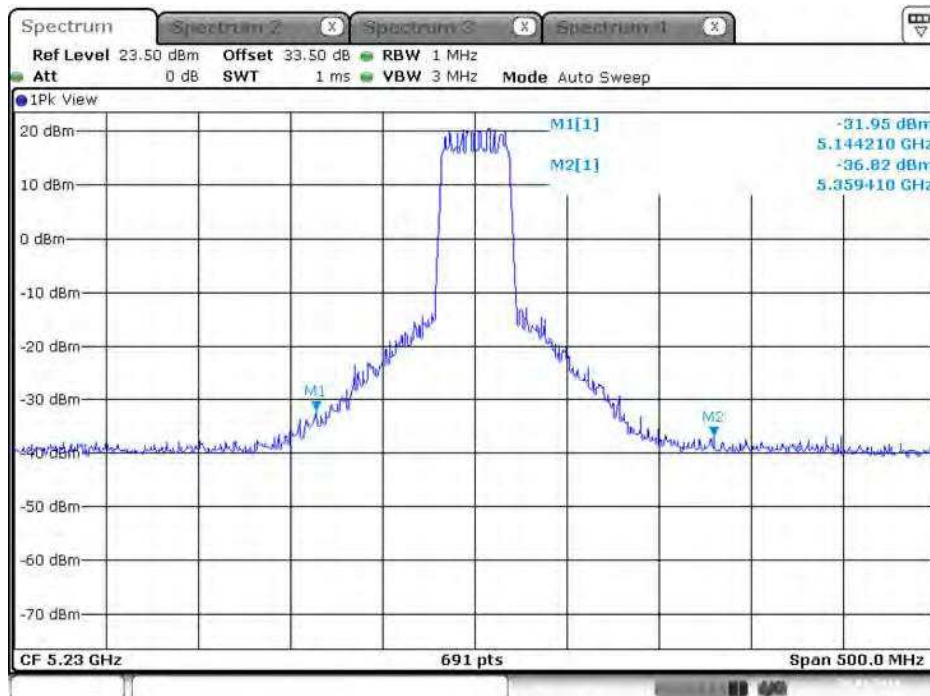
Date: 20. JAN 2018 13:42:01

Plot on Configuration QPSK, 40M / 5230 MHz / Peak / Port 1 (TX1)



Date: 20. JAN 2018 13:39:34

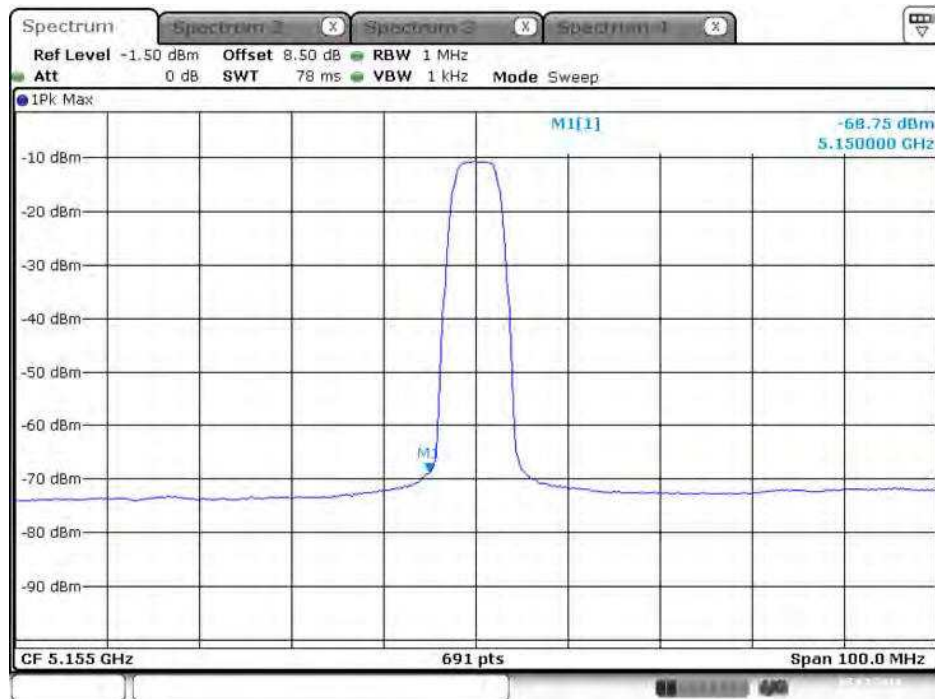
Plot on Configuration QPSK, 40M / 5230 MHz / Peak / Port 2 (TX2)



Date: 20. JAN 2018 13:43:17

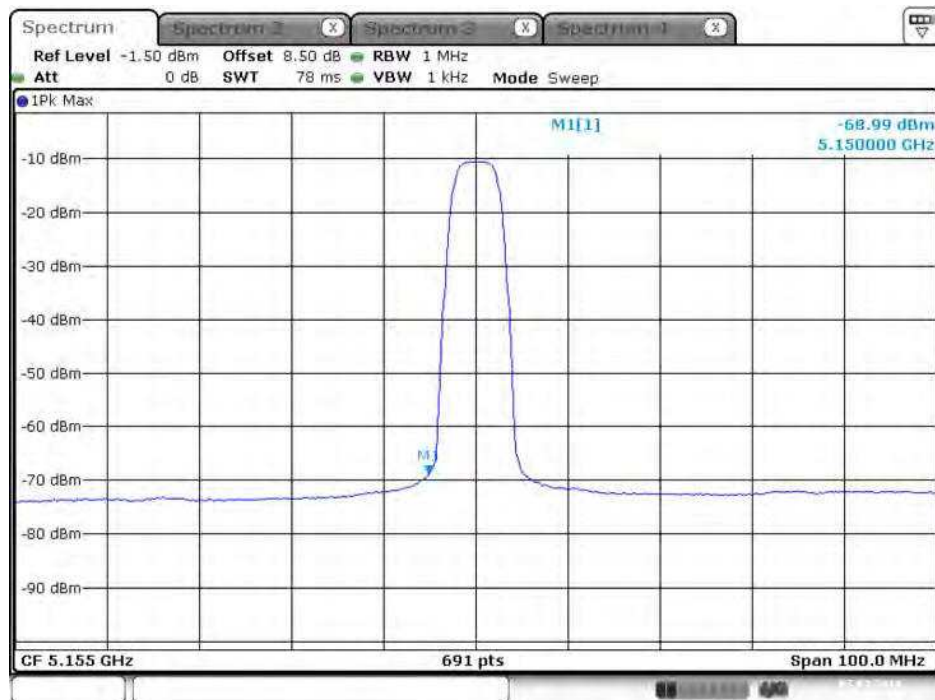
For Antenna 2:

Plot on Configuration QPSK, 5M / 5155 MHz / Average / Port 1 (TX1)



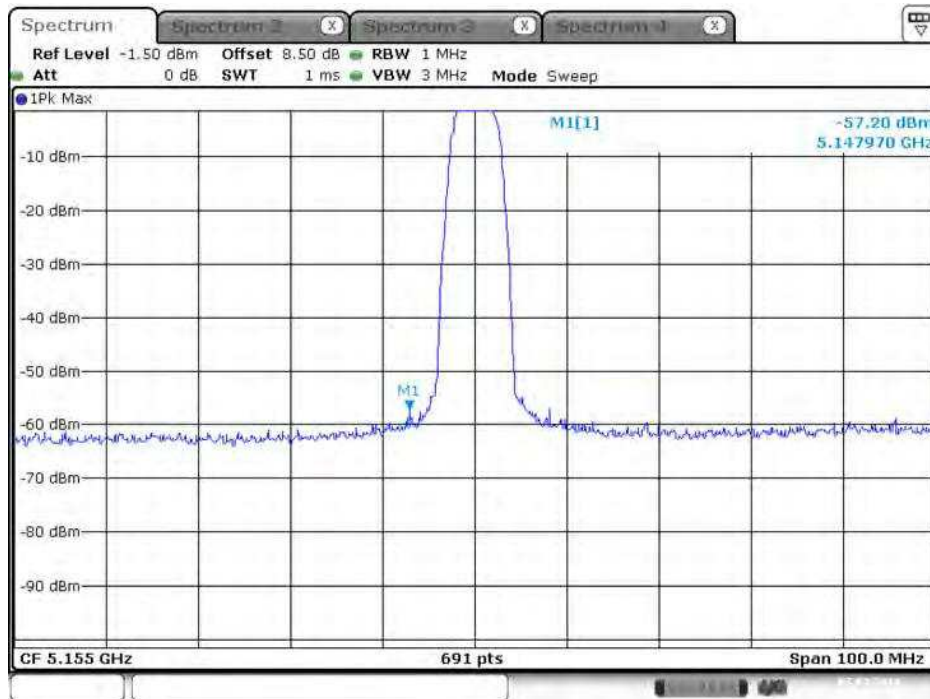
Date: 7.FEB.2018 20:53:23

Plot on Configuration QPSK, 5M / 5155 MHz / Average / Port 2 (TX2)



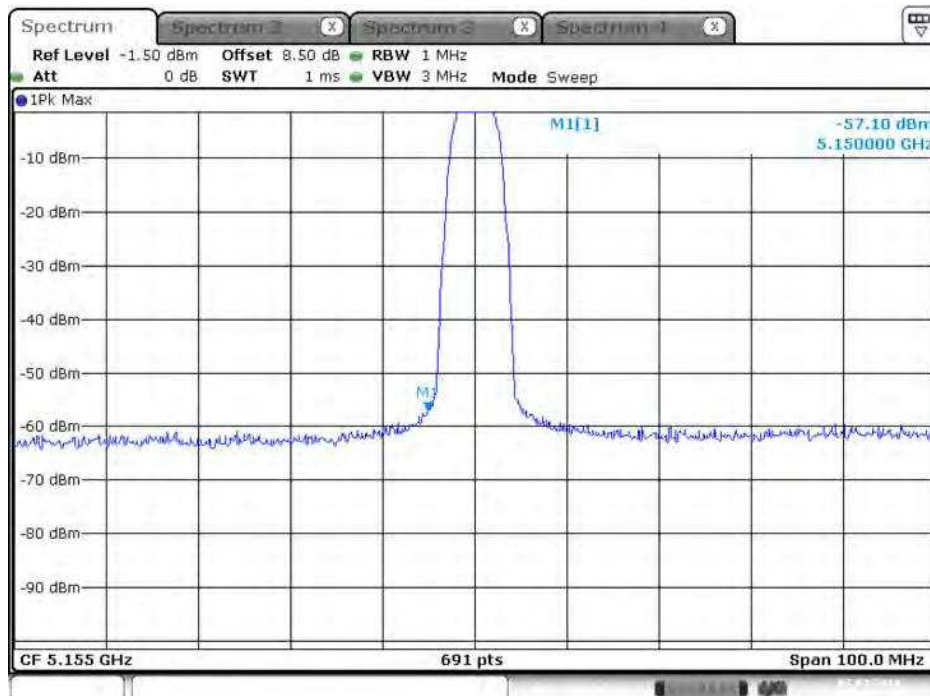
Date: 7.FEB.2018 20:55:33

Plot on Configuration QPSK, 5M / 5155 MHz / Peak / Port 1 (TX1)



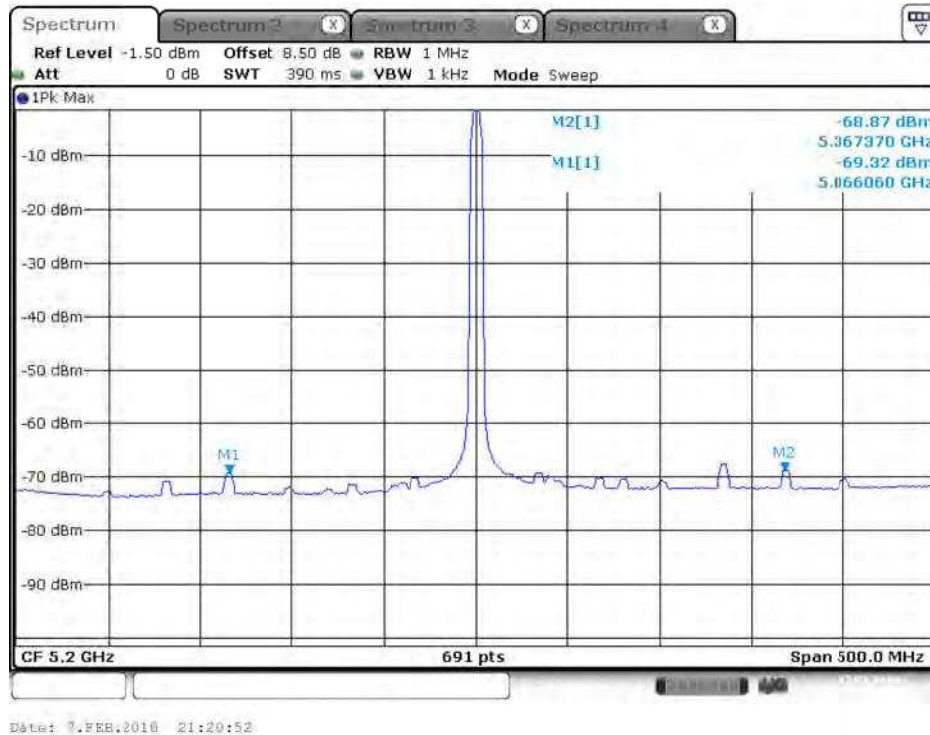
Date: 7.FEB.2018 20:54:15

Plot on Configuration QPSK, 5M / 5155 MHz / Peak / Port 2 (TX2)

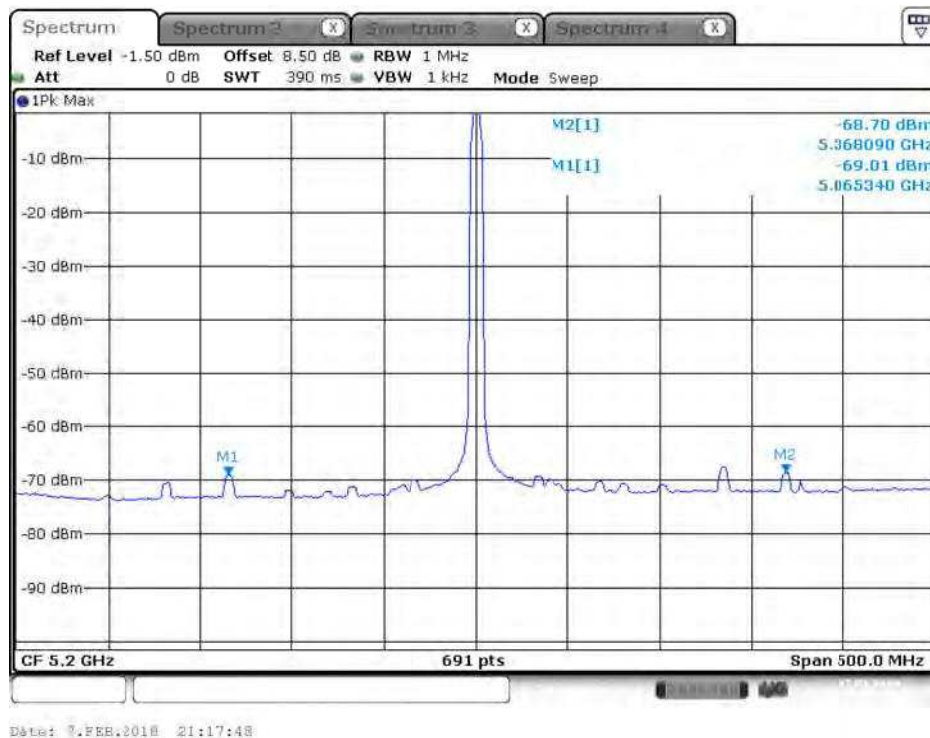


Date: 7.FEB.2018 20:54:50

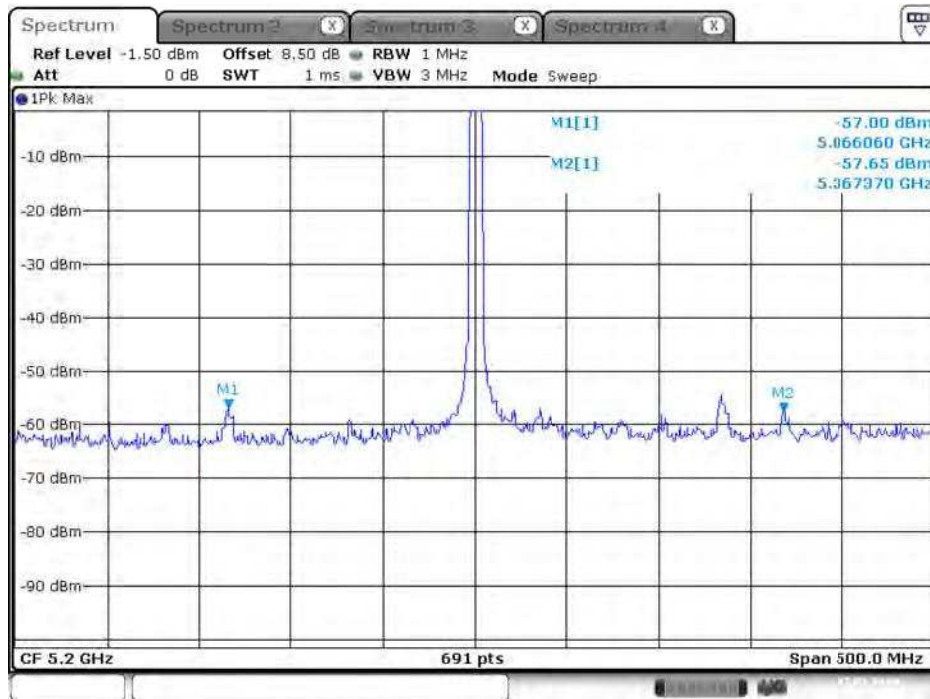
Plot on Configuration QPSK, 5M / 5200 MHz/ Average / Port 1 (TX1)



Plot on Configuration QPSK, 5M / 5200 MHz/ Average / Port 2 (TX2)

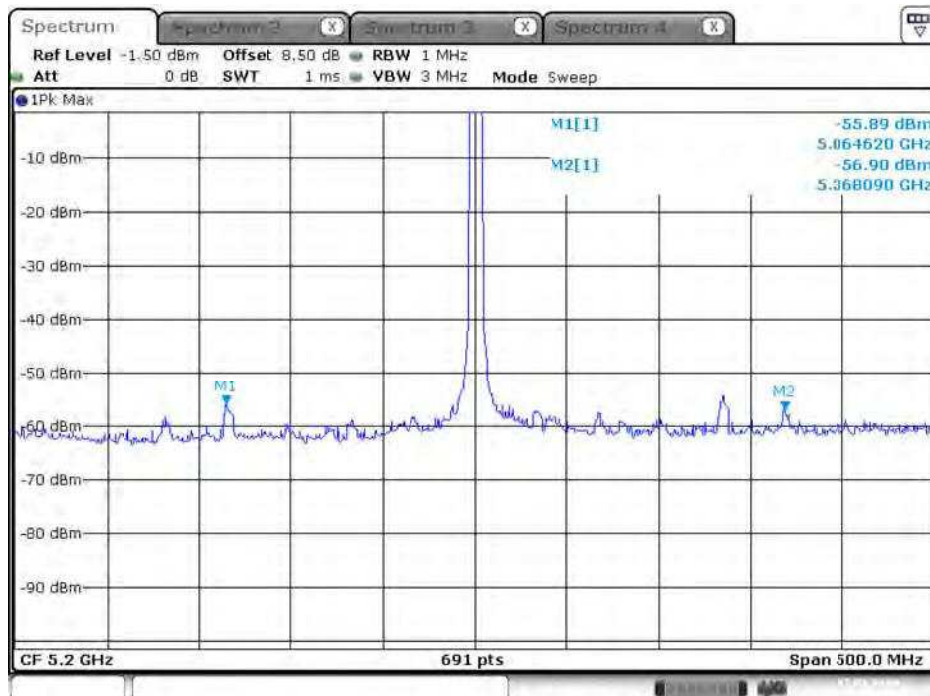


Plot on Configuration QPSK, 5M / 5200 MHz/ Peak / Port 1 (TX1)



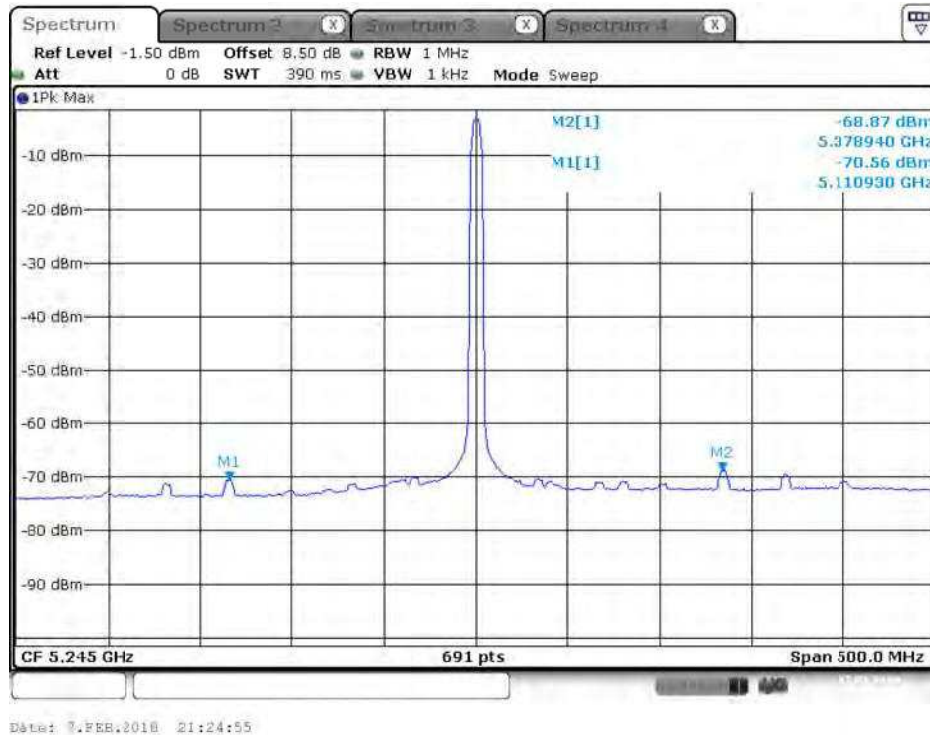
Date: 7.FEB.2018 21:21:25

Plot on Configuration QPSK, 5M / 5200 MHz / Peak / Port 2 (TX2)

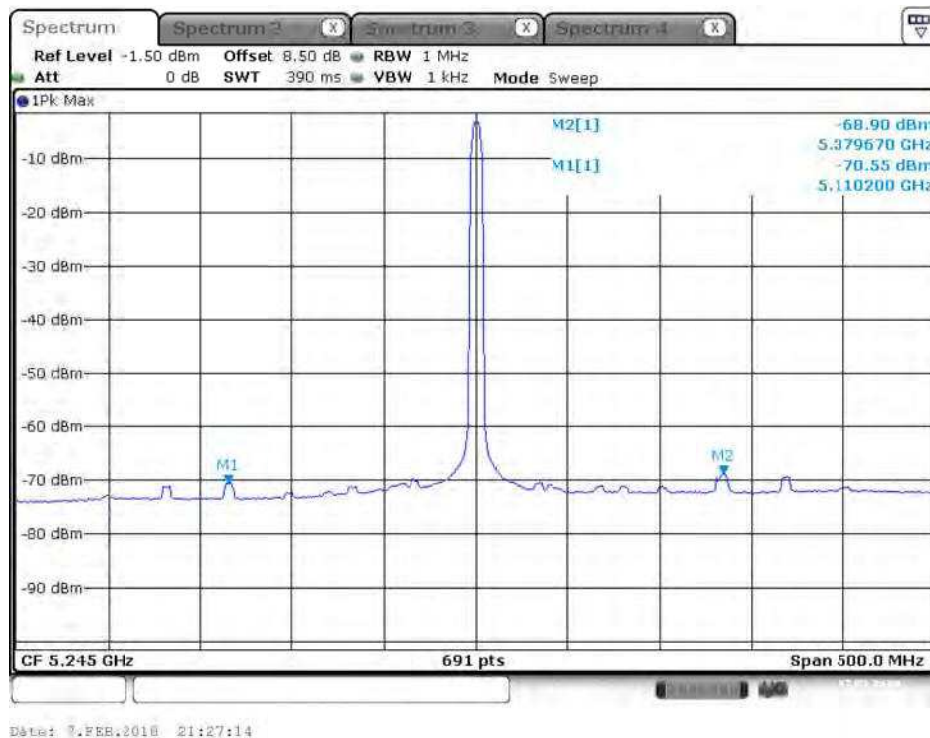


Date: 7.FEB.2018 21:19:28

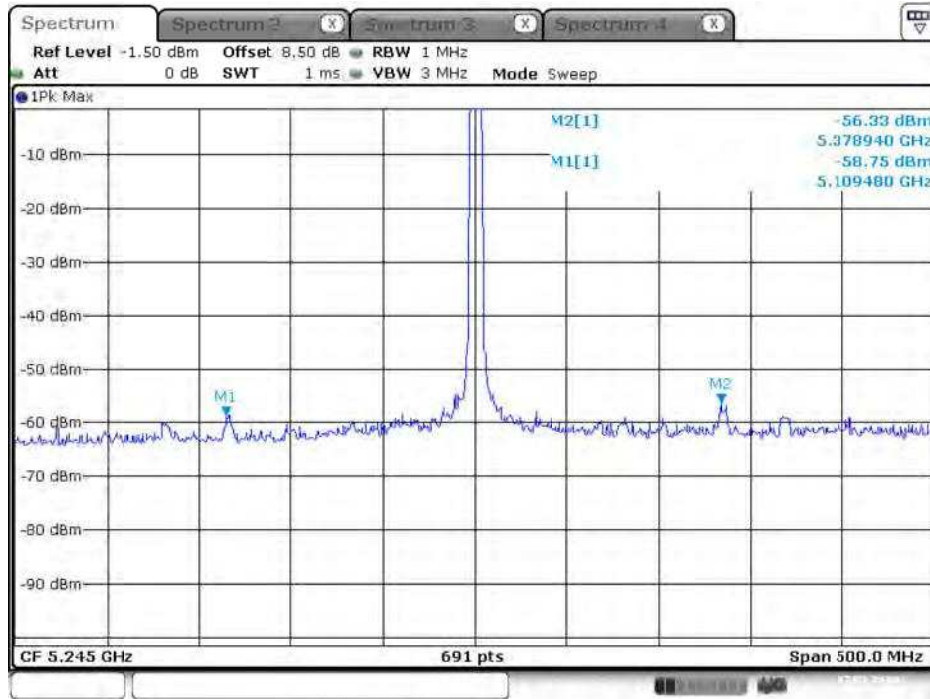
Plot on Configuration QPSK, 5M / 5245 MHz / Average / Port 1 (TX1)



Plot on Configuration QPSK, 5M / 5245 MHz / Average / Port 2 (TX2)

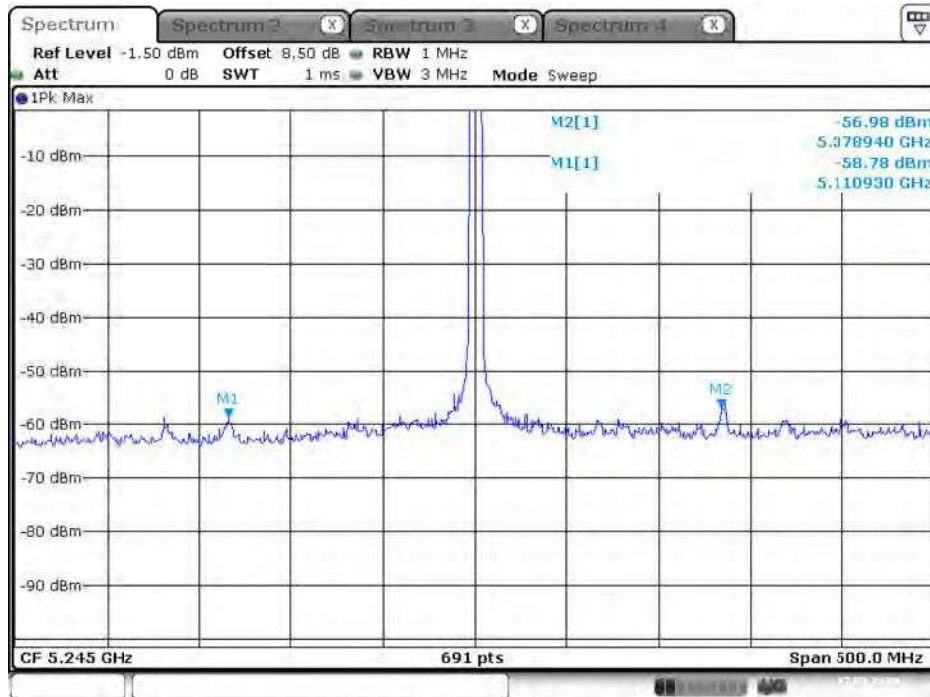


Plot on Configuration QPSK, 5M / 5245 MHz / Peak / Port 1 (TX1)



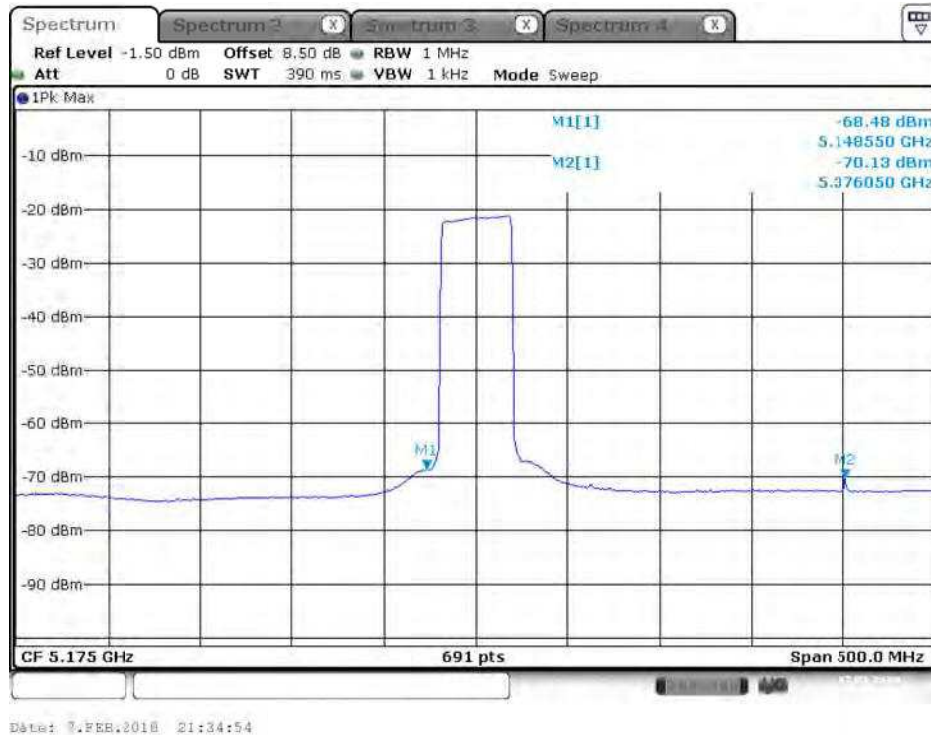
Date: 7.FEB.2018 21:28:31

Plot on Configuration QPSK, 5M / 5245 MHz / Peak / Port 2 (TX2)

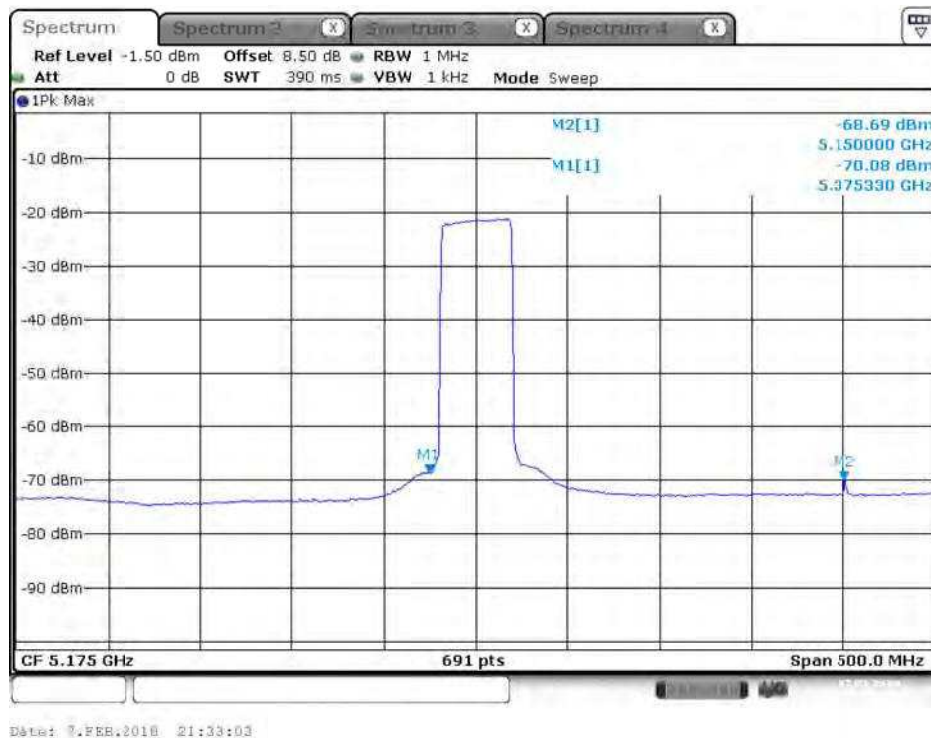


Date: 7.FEB.2018 21:28:49

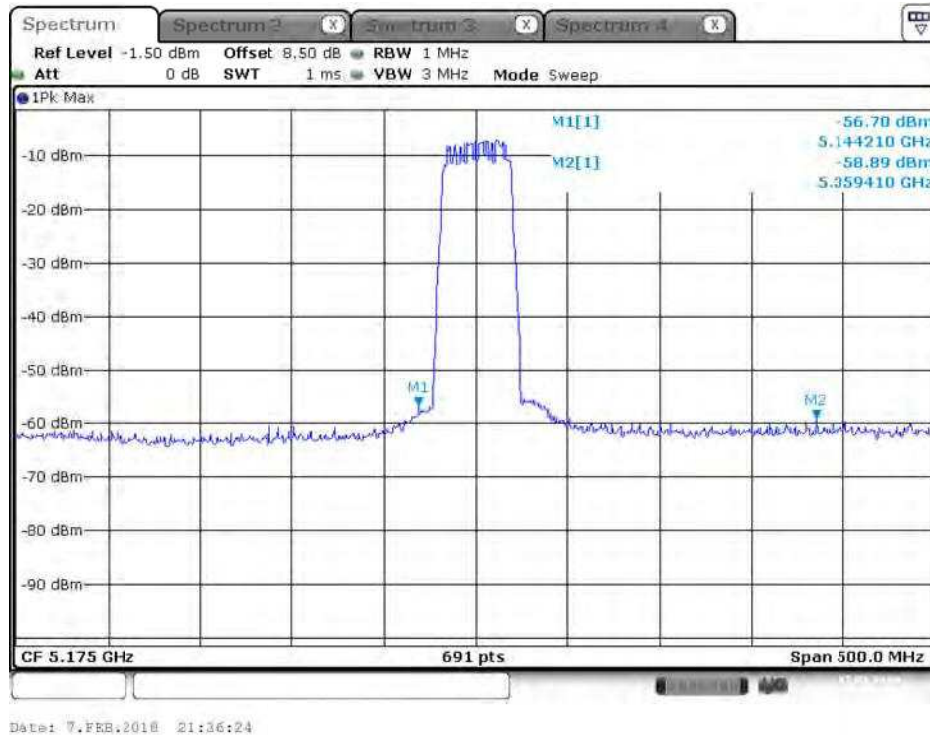
Plot on Configuration QPSK, 40M / 5175 MHz / Average / Port 1 (TX1)



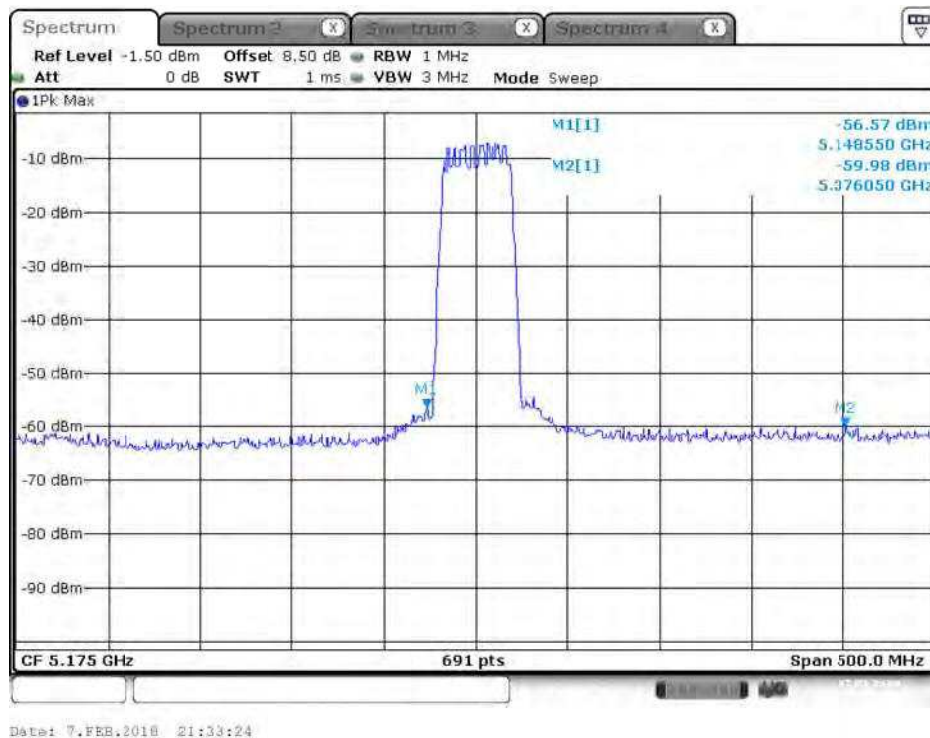
Plot on Configuration QPSK, 40M / 5175 MHz / Average / Port 2 (TX2)



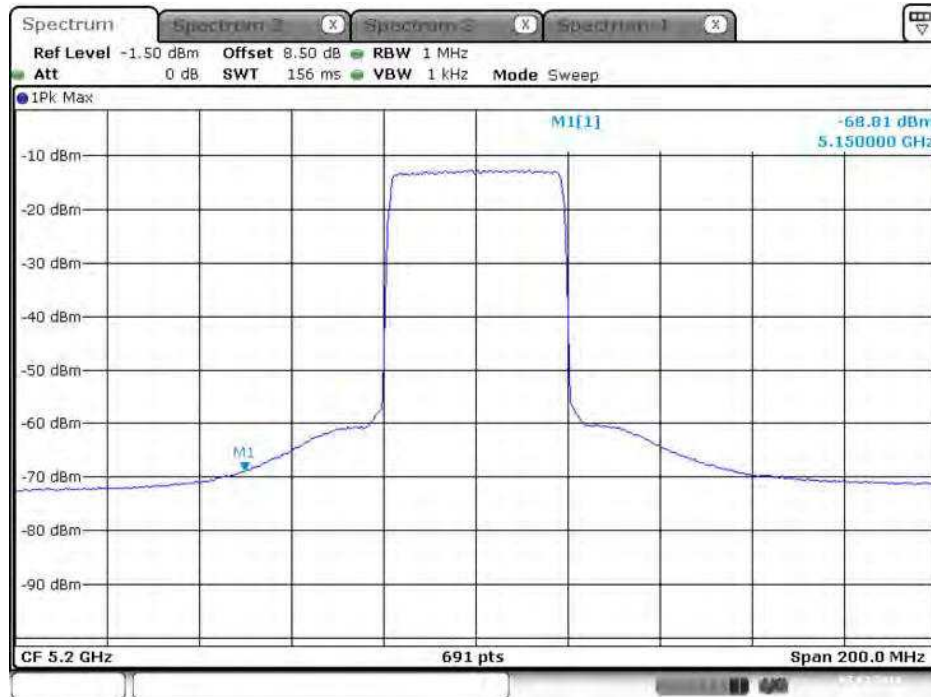
Plot on Configuration QPSK, 40M / 5175 MHz / Peak / Port 1 (TX1)



Plot on Configuration QPSK, 40M / 5175 MHz / Peak / Port 2 (TX2)

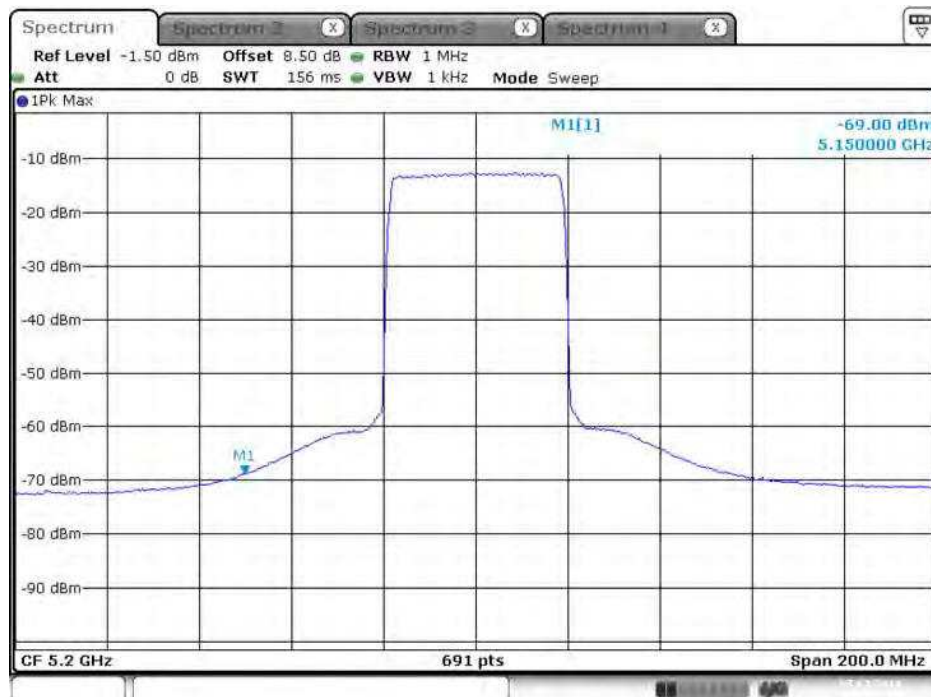


Plot on Configuration QPSK, 40M / 5200 MHz / Average / Port 1 (TX1)



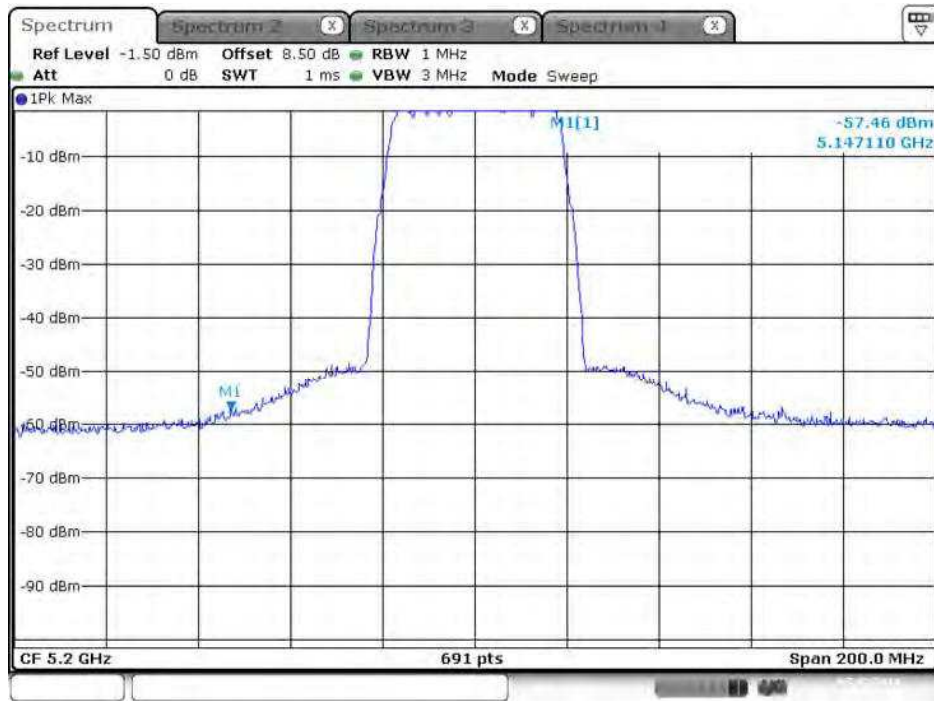
Date: 7.FEB.2018 19:51:29

Plot on Configuration QPSK, 40M / 5200 MHz / Average / Port 2 (TX2)



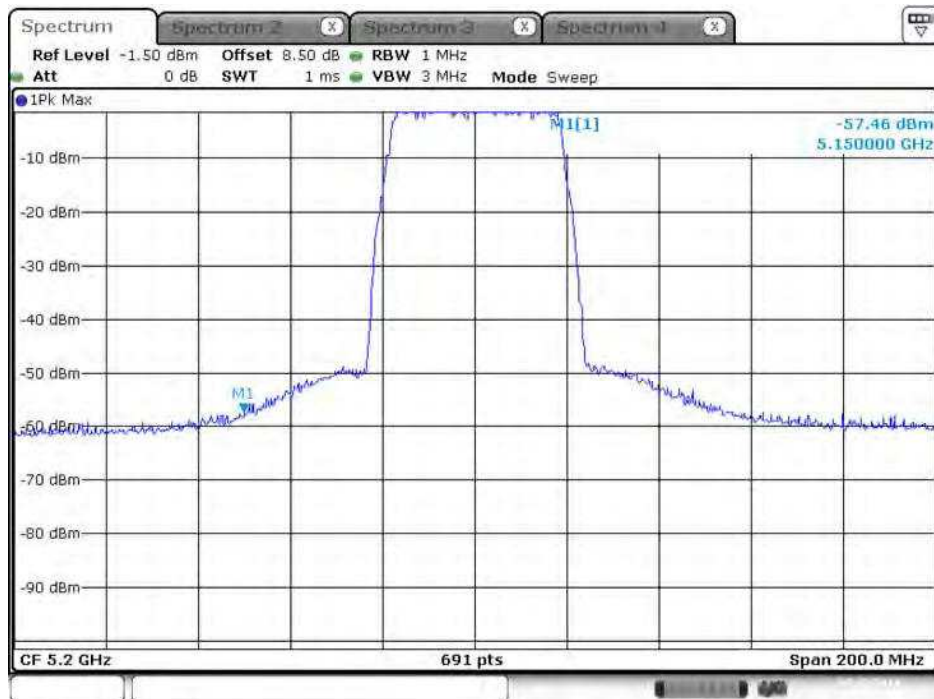
Date: 7.FEB.2018 19:53:14

Plot on Configuration QPSK, 40M / 5200 MHz / Peak / Port 1 (TX1)



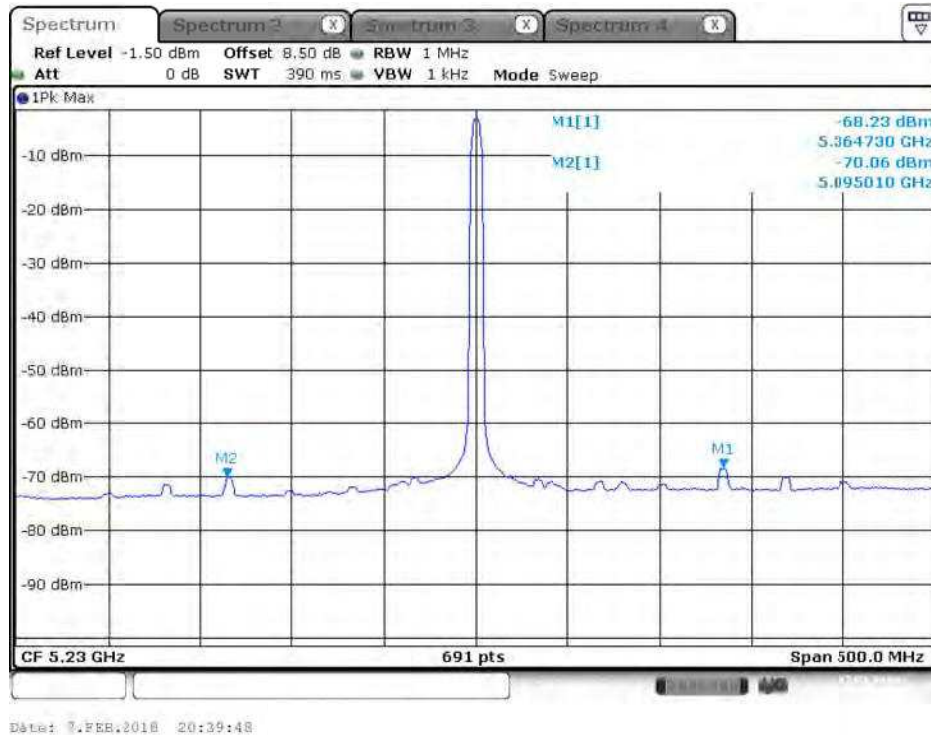
Date: 7.FEB.2018 19:52:09

Plot on Configuration QPSK, 40M / 5200 MHz / Peak / Port 2 (TX2)

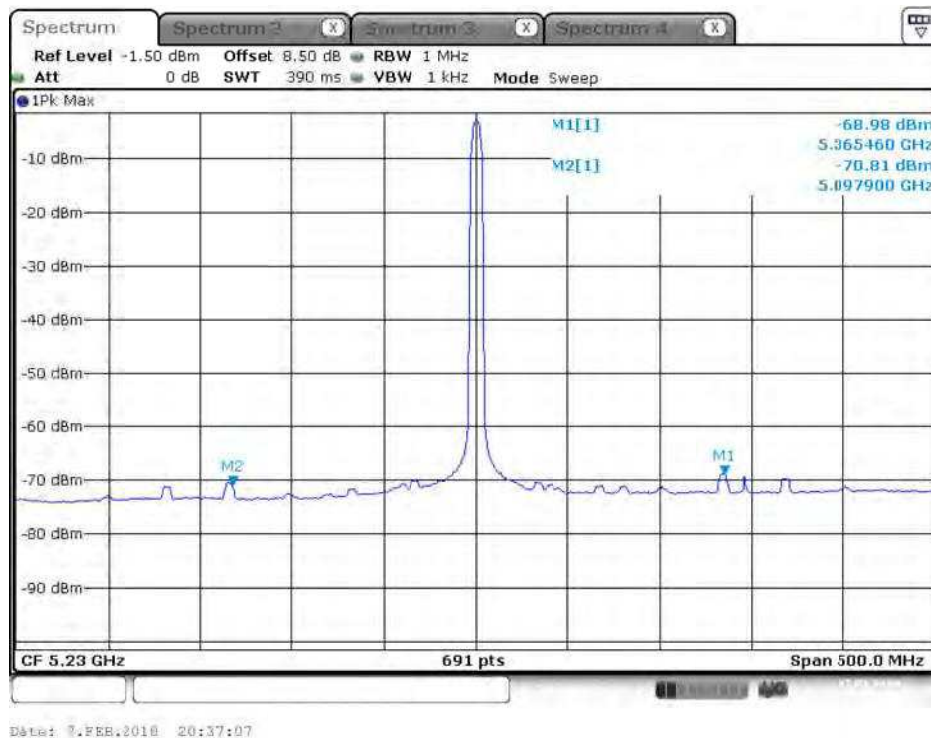


Date: 7.FEB.2018 19:53:03

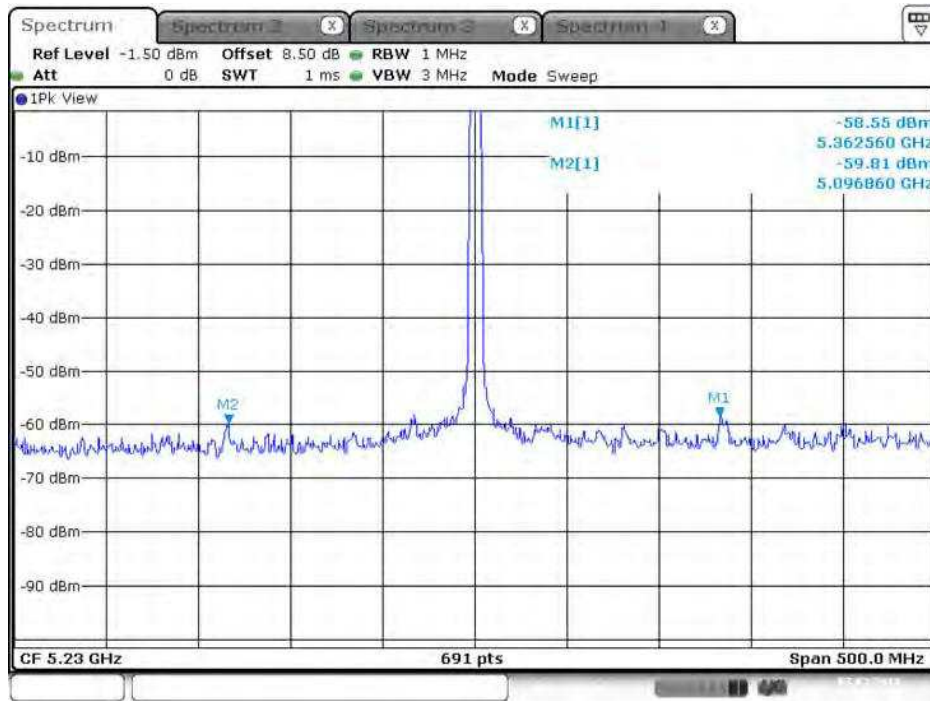
Plot on Configuration QPSK, 40M / 5230 MHz / Average / Port 1 (TX1)



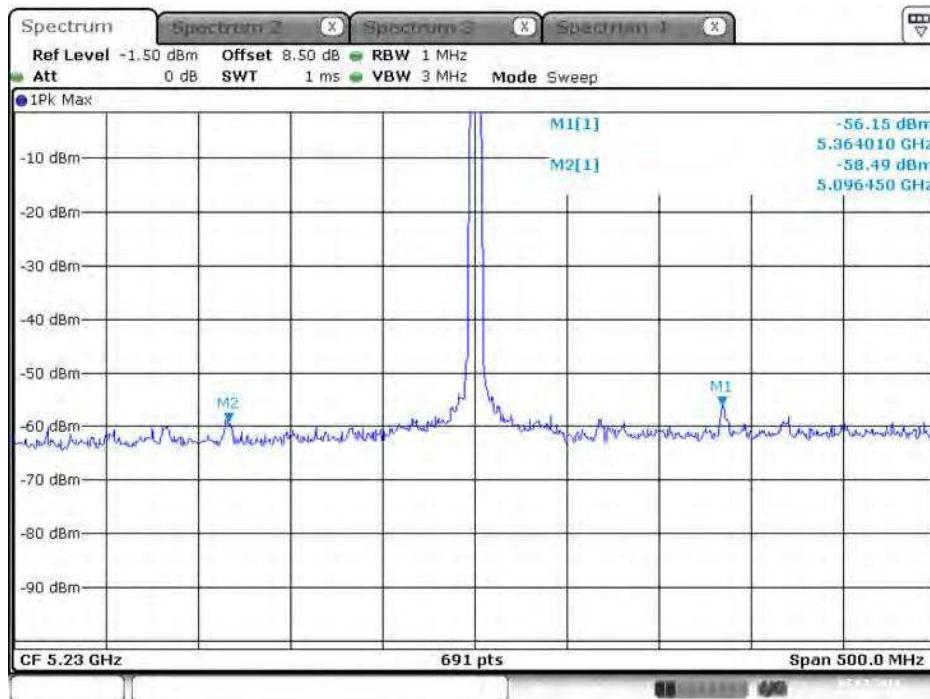
Plot on Configuration QPSK, 40M / 5230 MHz / Average / Port 2 (TX2)



Plot on Configuration QPSK, 40M / 5230 MHz / Peak / Port 1 (TX1)



Plot on Configuration QPSK, 40M / 5230 MHz / Peak / Port 2 (TX2)



Mode: 5, 40 M / Port 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9966	5199.9957	5199.9949	5199.9946
110.00	5199.9963	5199.9954	5199.9944	5199.9939
93.50	5199.9962	5199.9958	5199.9954	5199.9948
Max. Deviation (MHz)	0.0038	0.0046	0.0056	0.0061
Max. Deviation (ppm)	0.73	0.88	1.08	1.17
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5199.9911	5199.9907	5199.9904	5199.9895
-30	5199.9914	5199.9907	5199.9900	5199.9894
-20	5199.9920	5199.9917	5199.9911	5199.9905
-10	5199.9926	5199.9925	5199.9923	5199.9914
0	5199.9935	5199.9932	5199.9925	5199.9918
10	5199.9950	5199.9946	5199.9943	5199.9935
20	5199.9963	5199.9954	5199.9952	5199.9947
30	5199.9971	5199.9969	5199.9966	5199.9960
40	5199.9983	5199.9978	5199.9969	5199.9961
50	5199.9999	5199.9989	5199.9988	5199.9983
60	5199.9993	5199.9991	5199.9990	5199.9985
70	5199.9994	5199.9986	5199.9980	5199.9976
Max. Deviation (MHz)	0.0086	0.0093	0.0100	0.0106
Max. Deviation (ppm)	1.65	1.79	1.92	2.04
Result	Pass			