

LTE Band 5

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.238	PASS
	MCH	6	0	1.219	PASS
	HCH	6	0	1.168	PASS
16QAM	LCH	6	0	1.232	PASS
	MCH	6	0	1.230	PASS
	HCH	6	0	1.170	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.899	PASS
	MCH	15	0	2.887	PASS
	HCH	15	0	2.888	PASS
16QAM	LCH	15	0	2.873	PASS
	MCH	15	0	2.914	PASS
	HCH	15	0	2.901	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.818	PASS
	MCH	25	0	4.802	PASS
	HCH	25	0	4.803	PASS
16QAM	LCH	25	0	4.854	PASS
	MCH	25	0	4.787	PASS
	HCH	25	0	4.831	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	9.484	PASS
	MCH	50	0	9.472	PASS
	HCH	50	0	9.427	PASS
16QAM	LCH	50	0	9.384	PASS
	MCH	50	0	9.518	PASS
	HCH	50	0	9.366	PASS

Note: Please refers to Appendix B for compliance test plots for emission bandwidth (-26dBc)

11. BAND EDGE

11.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

11.2 PROVISIONS APPLICABLE

As Specified in FCC rules of §2.1051 §24.238(a) §27.53(g) §27.53(h) §27.53(m)
KDB 971168 D01v03 – Section 6.0

11.3 MEASUREMENT RESULT

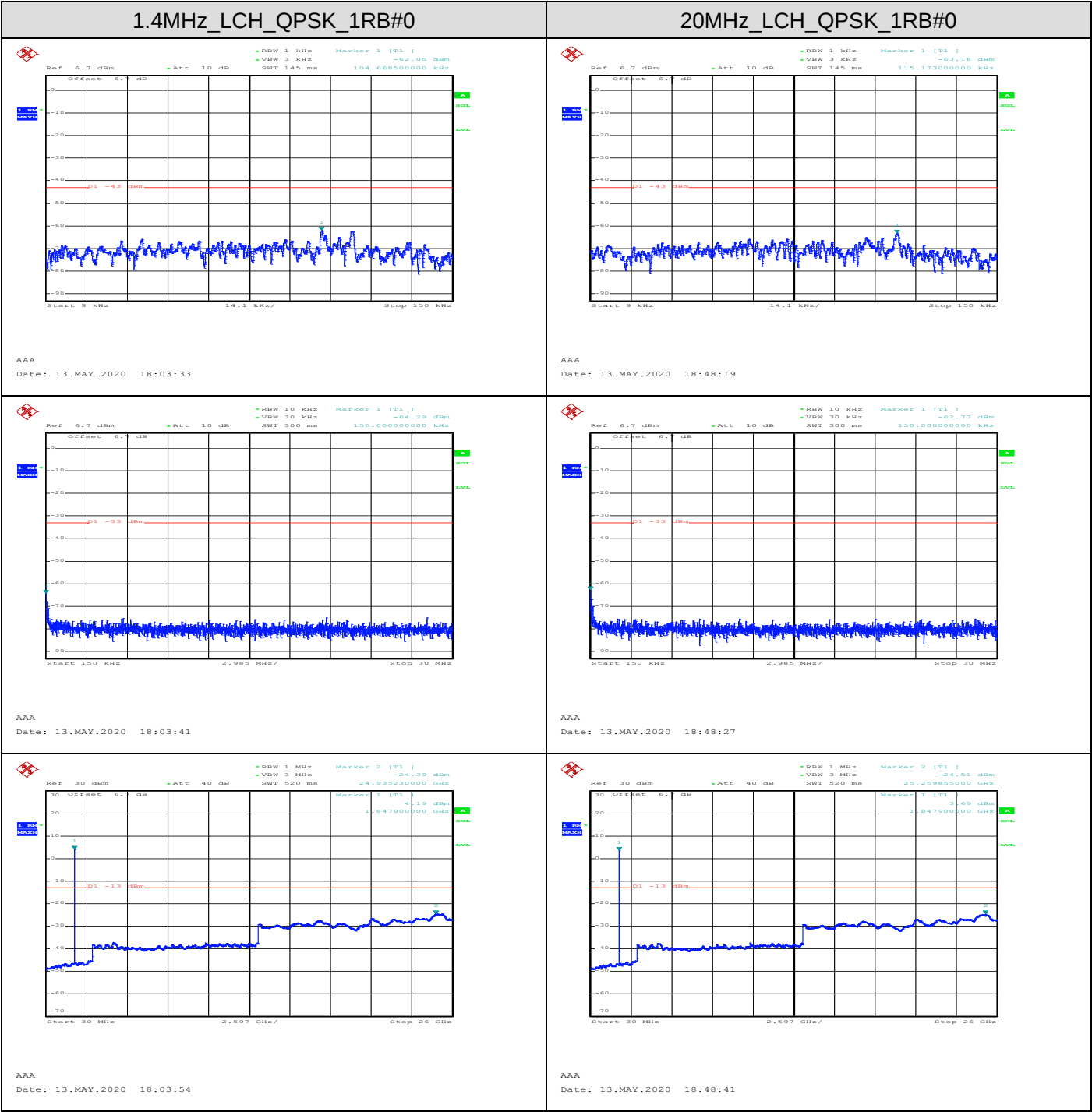
All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequency. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

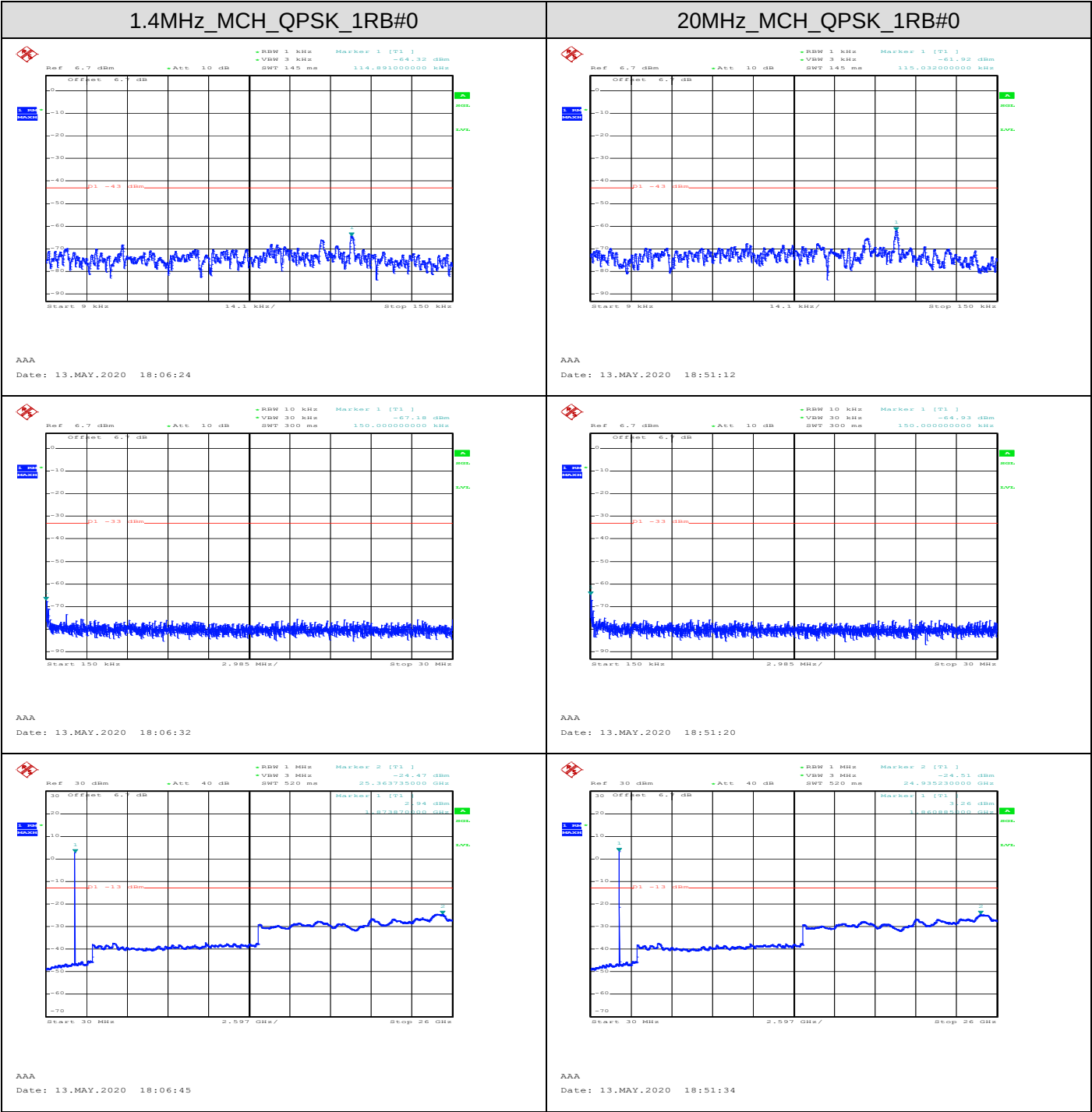
The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P[\text{Watts}])$, where P is the transmitter power in Watts.

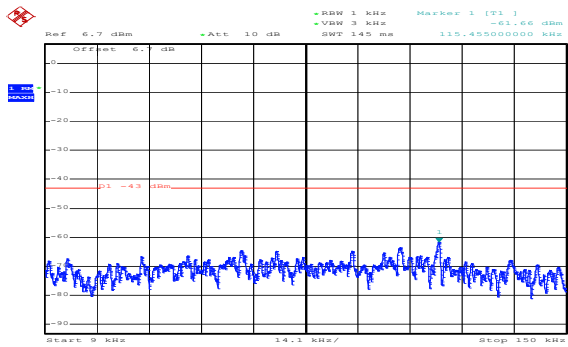
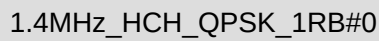
Please refers to Appendix C for compliance test plots for band edge

APPENDIX A TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION

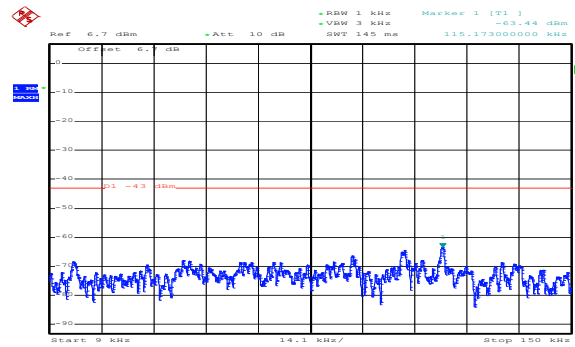
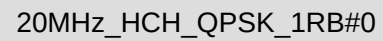
LTE BAND 2





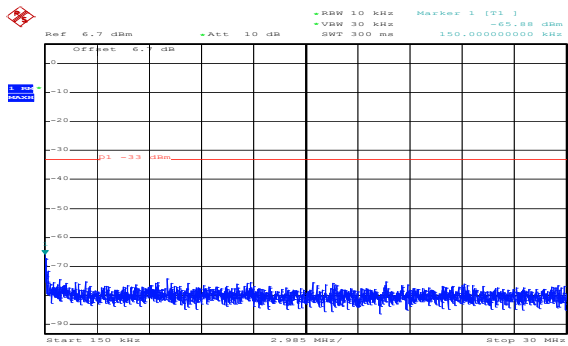


AAA
Date: 13.MAY.2020 18:09:17

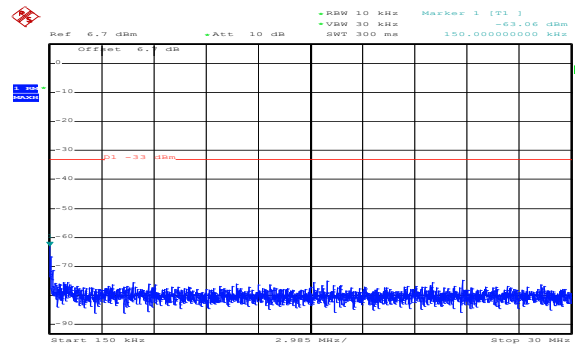


AAA

Date: 13.MAY.2020 18:54:10

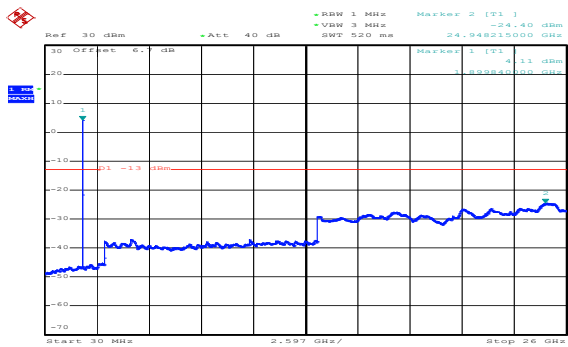


AAA
Date: 13.MAY.2020 18:09:25

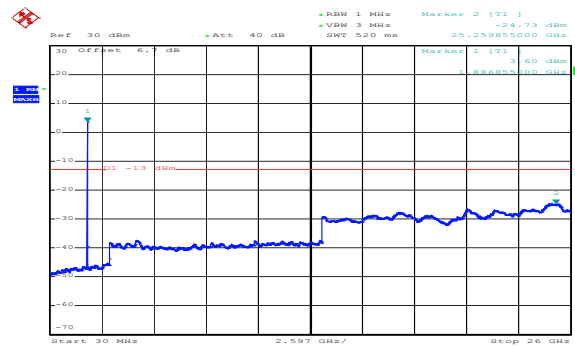


AAA

Date: 13.MAY.2020 18:54:18

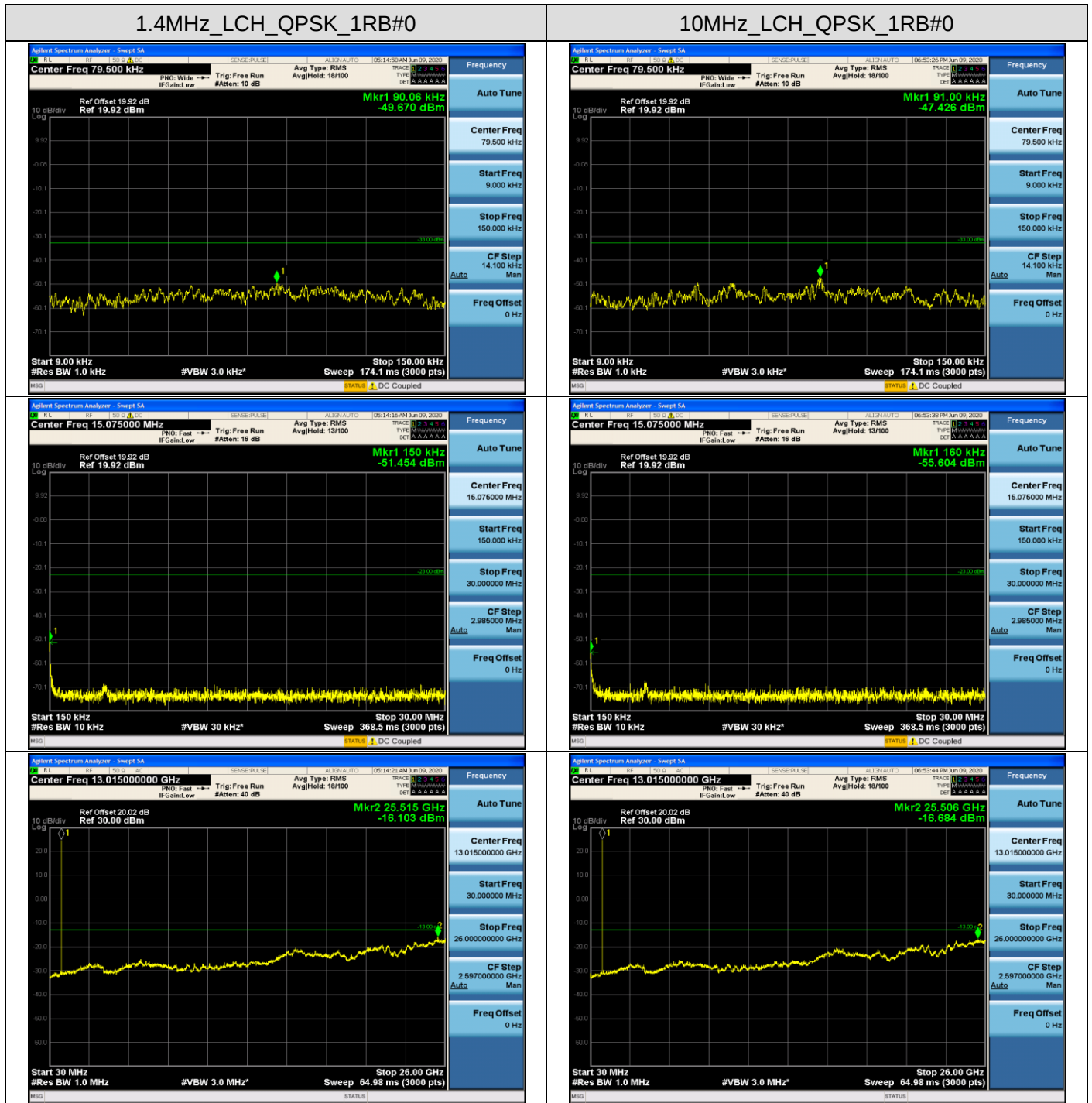


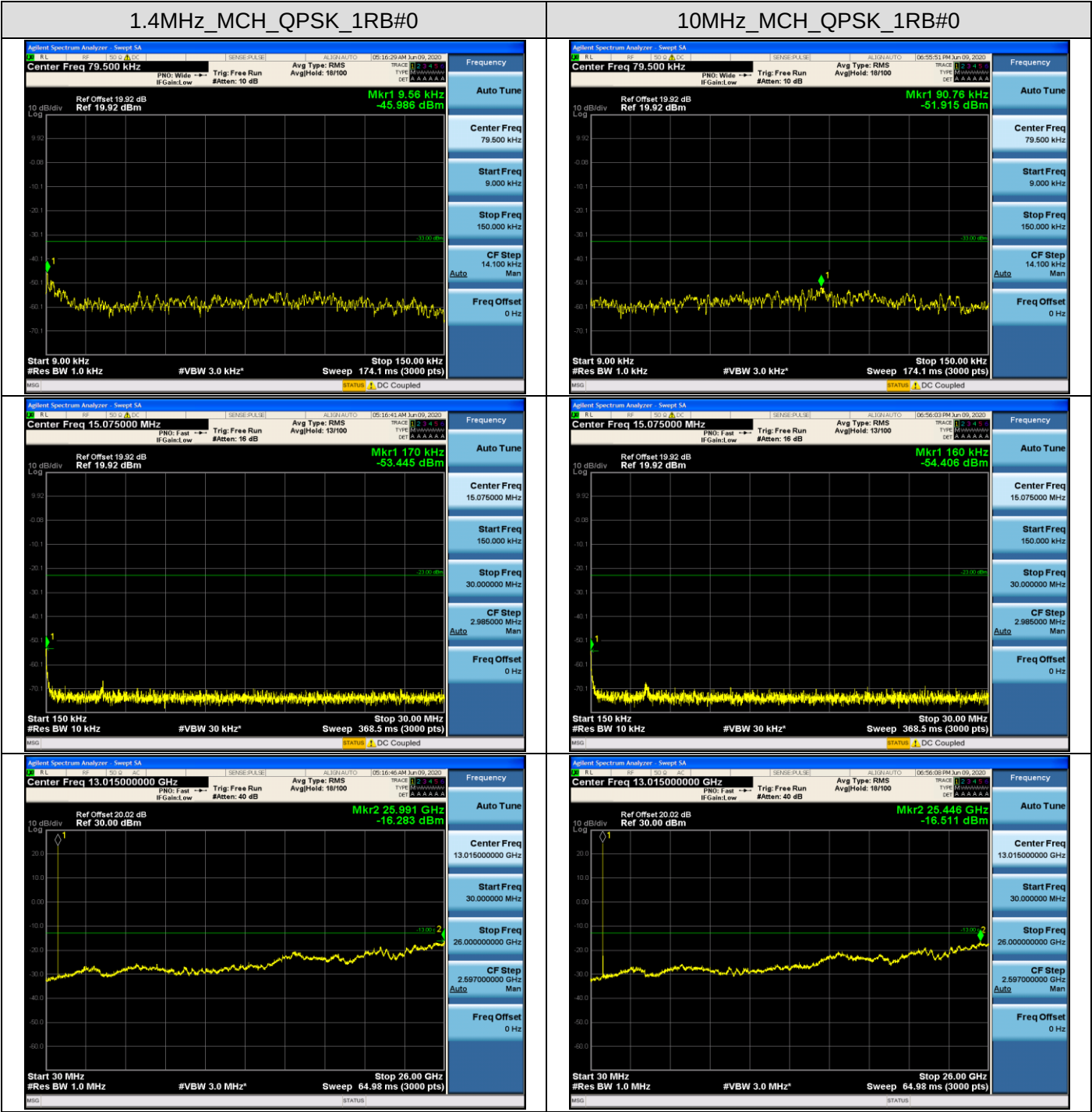
AAA
Date: 13.MAY.2020 18:09:38



AAA
Date: 13.MAY.2020 18:54:31

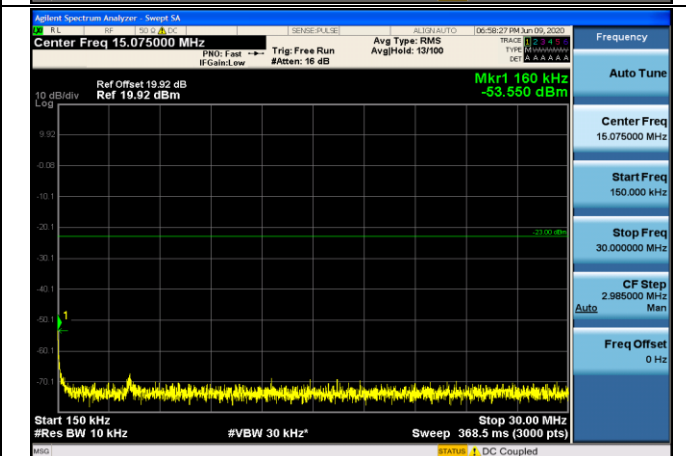
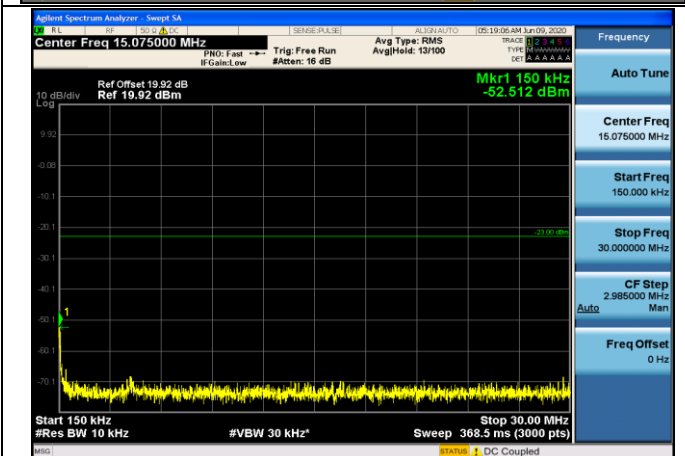
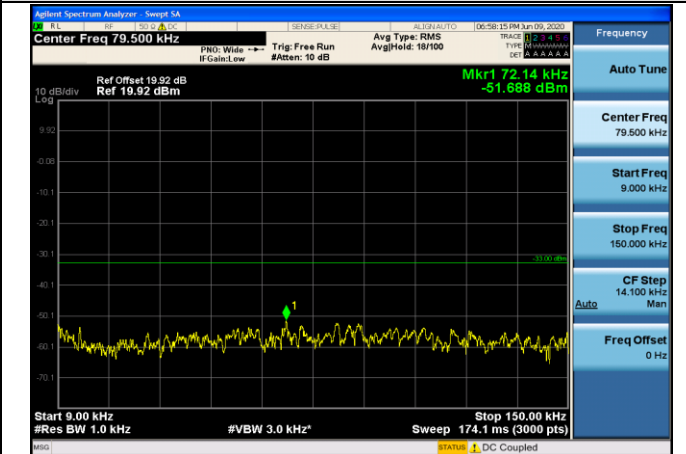
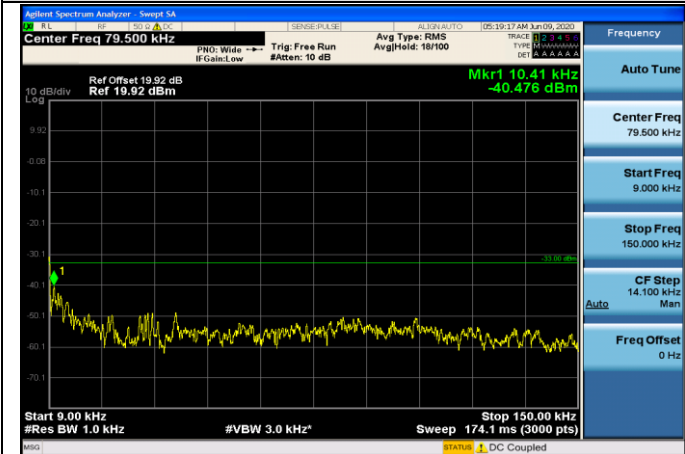
TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION
LTE BAND 5





1.4MHz_HCH_QPSK_1RB#0

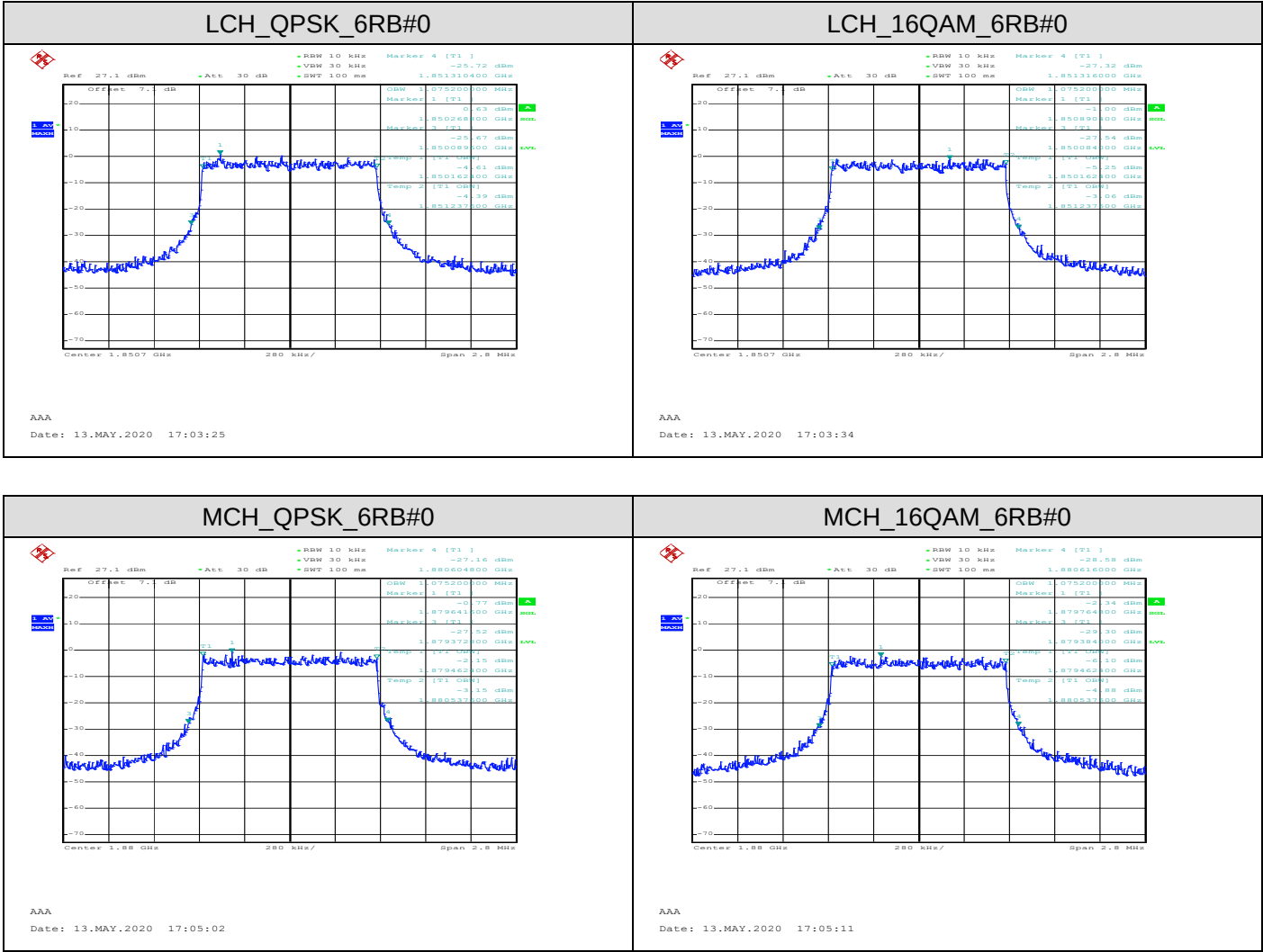
10MHz_HCH_QPSK_1RB#0

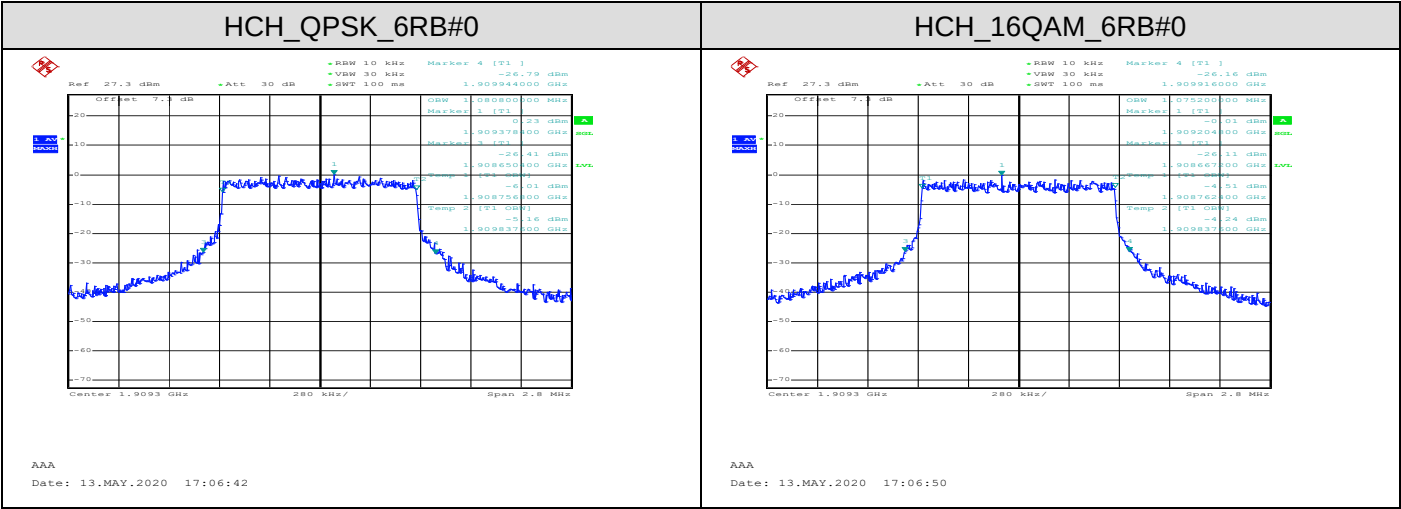


APPENDIX B TEST PLOTS FOR OCCUPIED BANDWIDTH (99%)

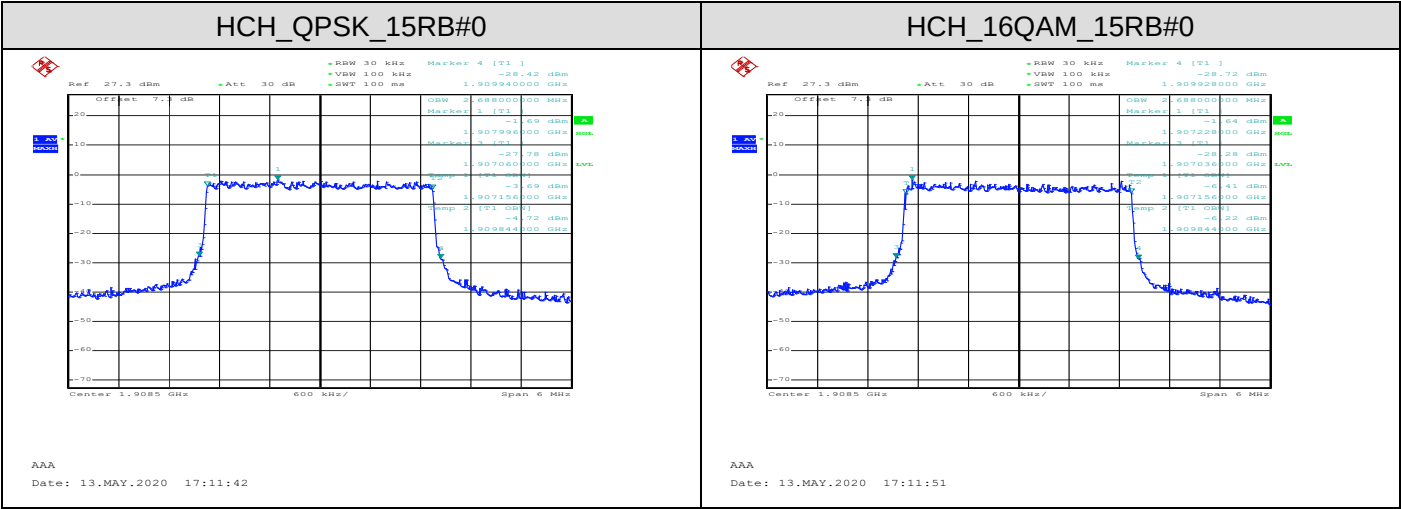
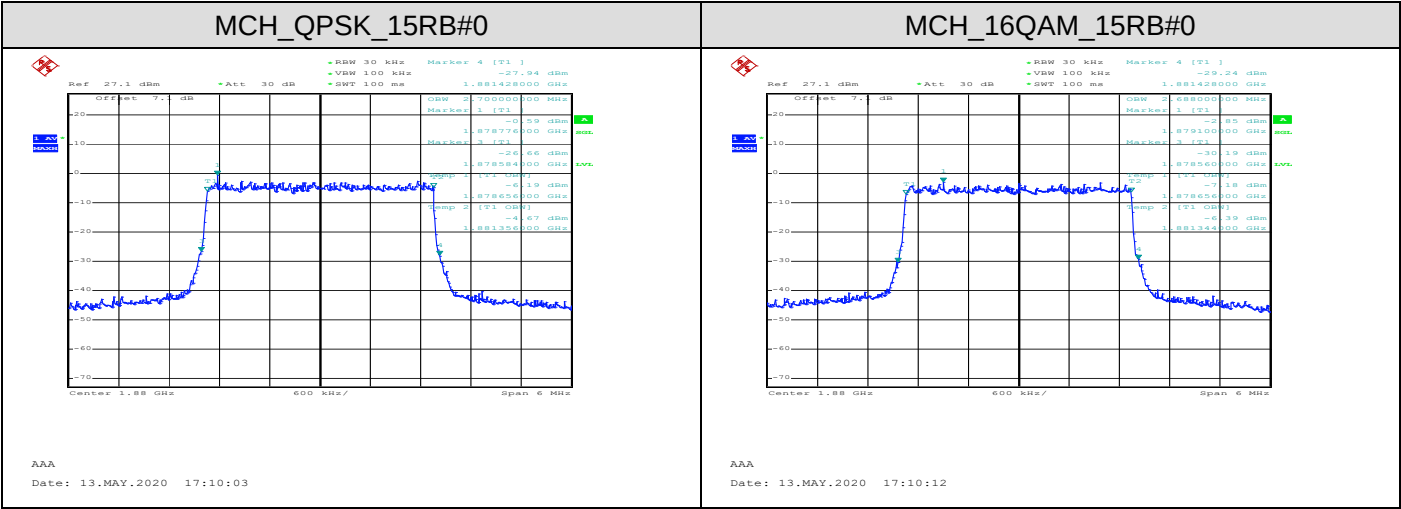
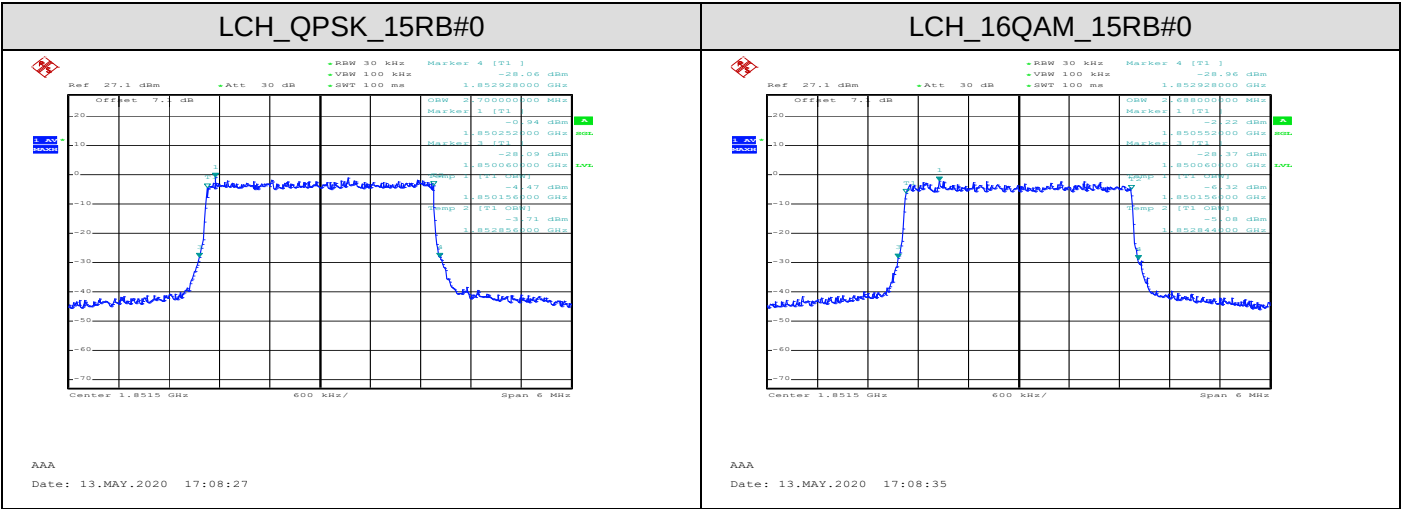
EMISSION BANDWIDTH (-26dBC)

LTE Band 2 Channel Bandwidth: 1.4 MHz

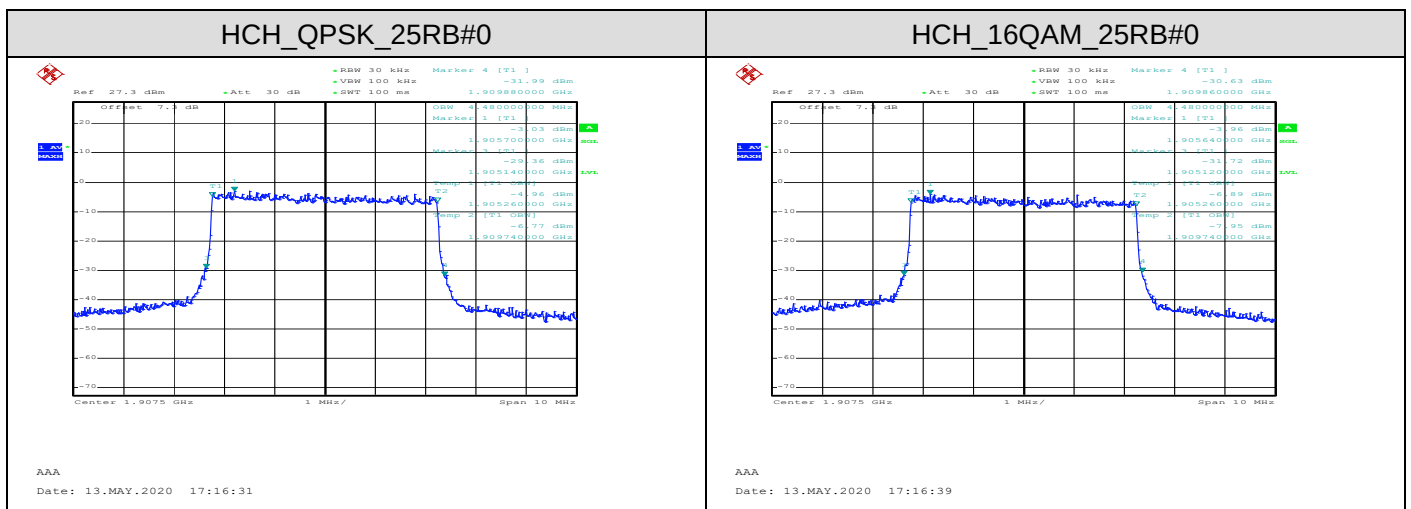
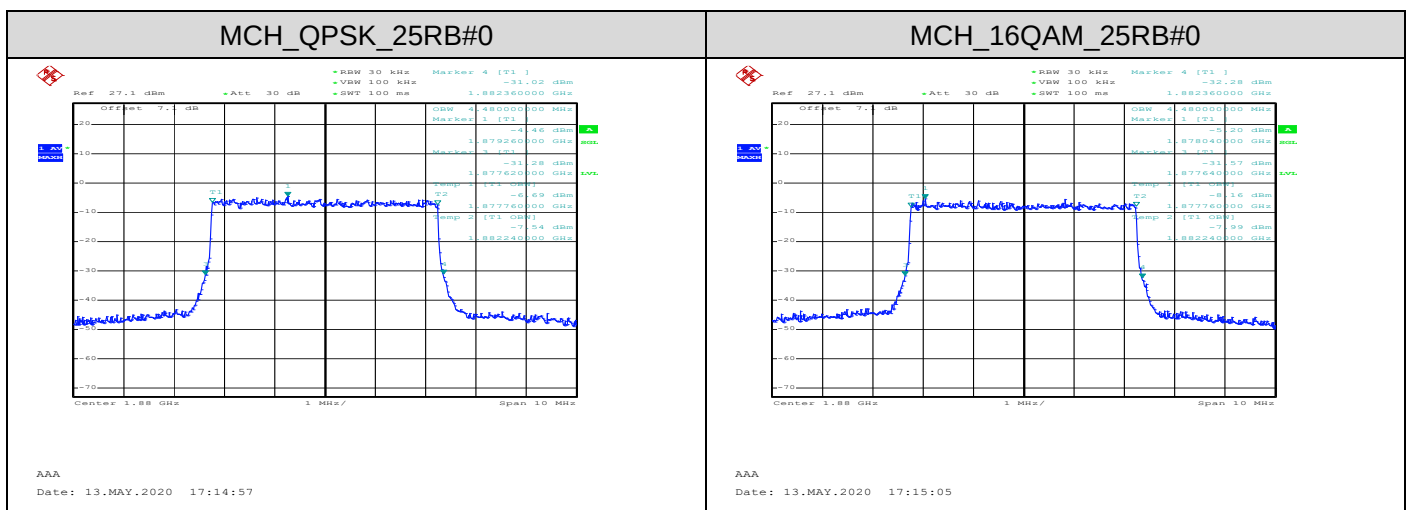
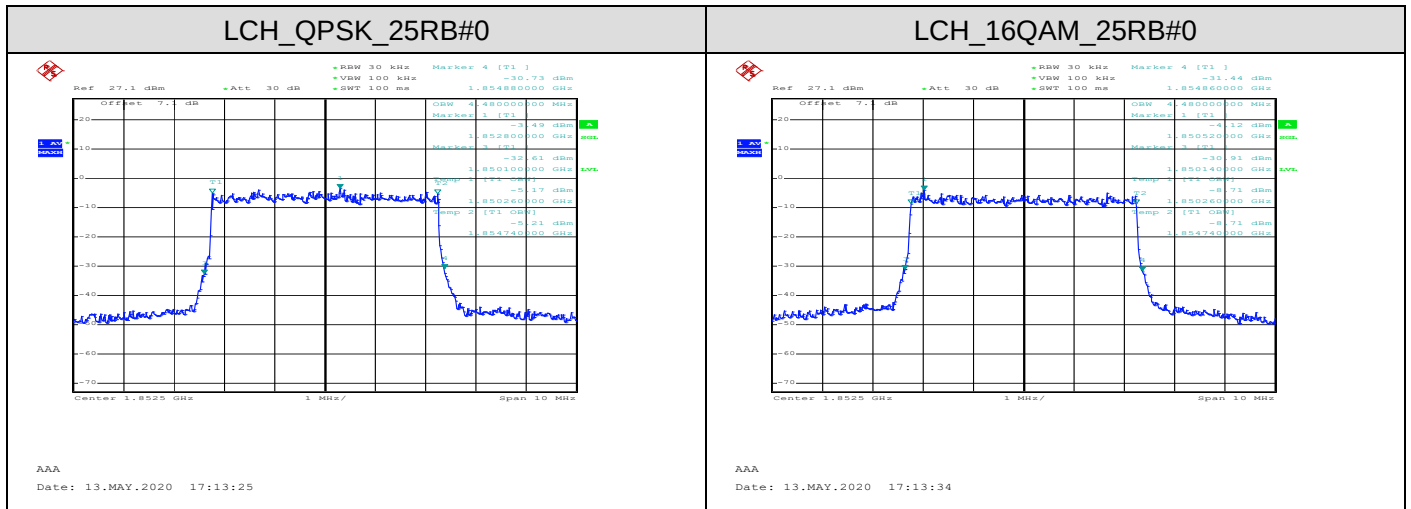




Channel Bandwidth: 3 MHz

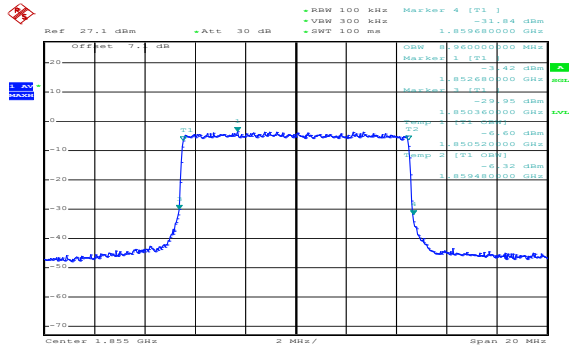


Channel Bandwidth: 5 MHz



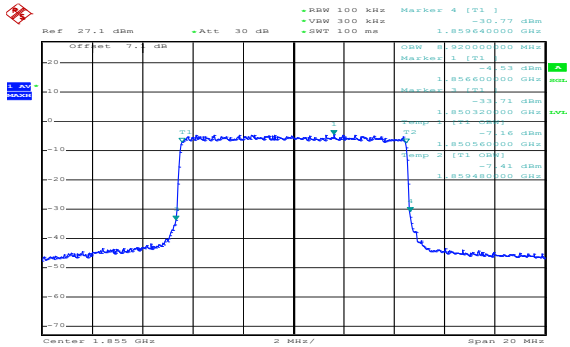
Channel Bandwidth: 10 MHz

LCH_QPSK_50RB#0



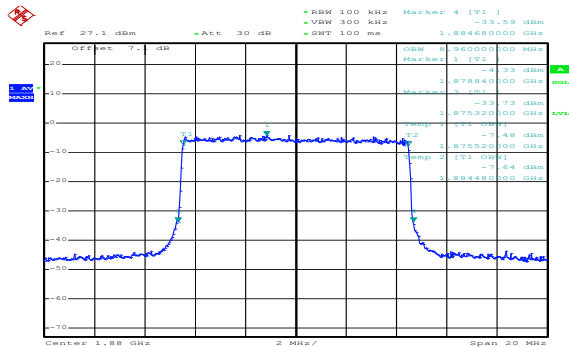
AAA
Date: 13.MAY.2020 17:18:18

LCH_16QAM_50RB#0



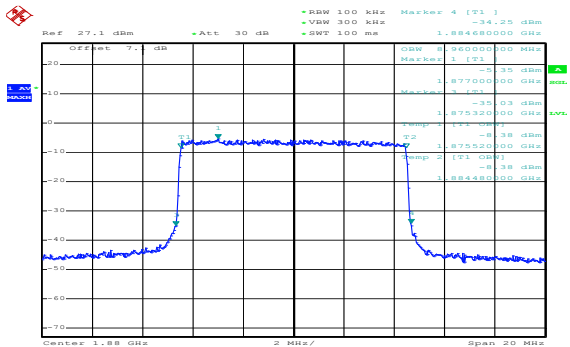
AAA
Date: 13.MAY.2020 17:18:27

MCH_QPSK_50RB#0



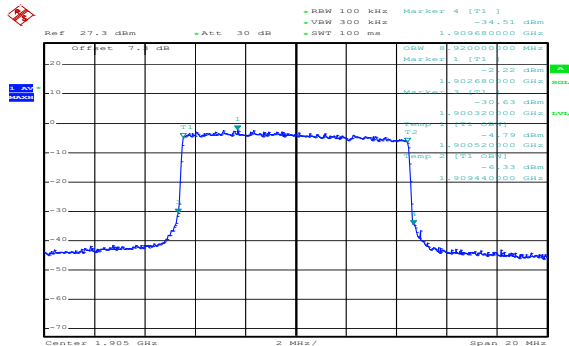
AAA
Date: 13.MAY.2020 17:30:20

MCH_16QAM_50RB#0



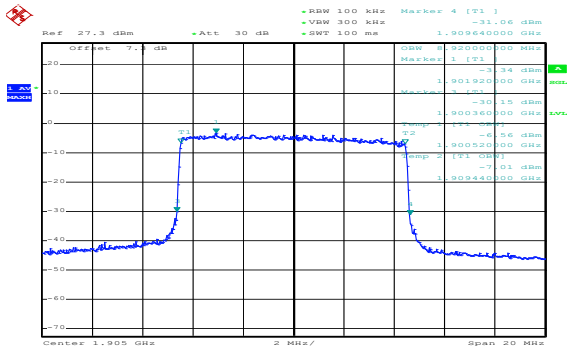
AAA
Date: 13.MAY.2020 17:30:28

HCH_QPSK_50RB#0



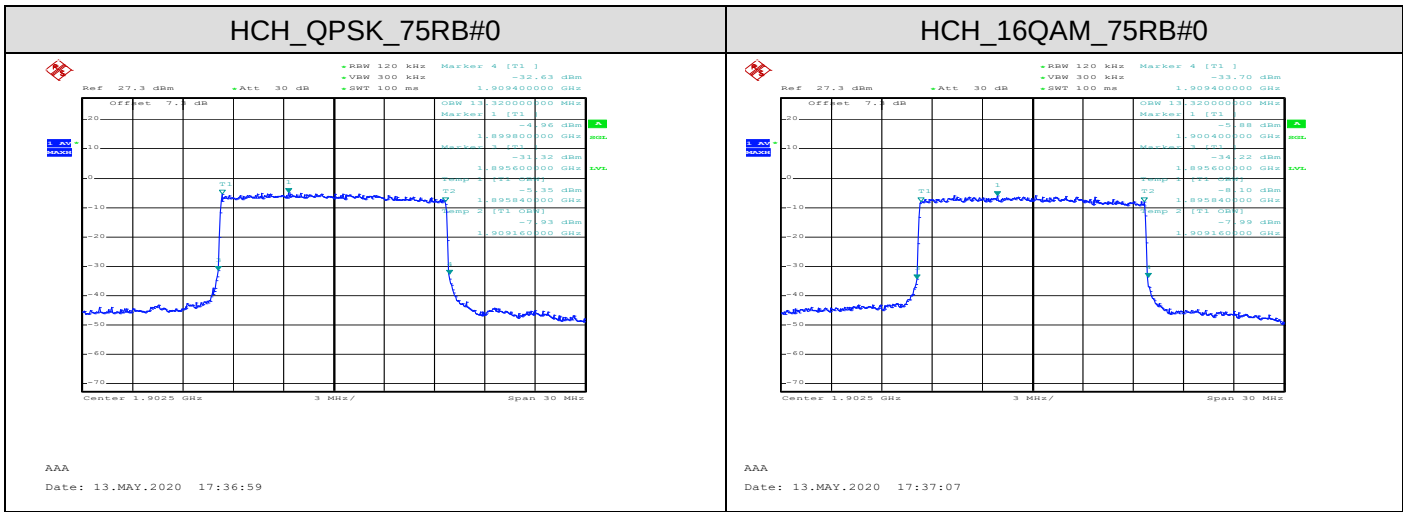
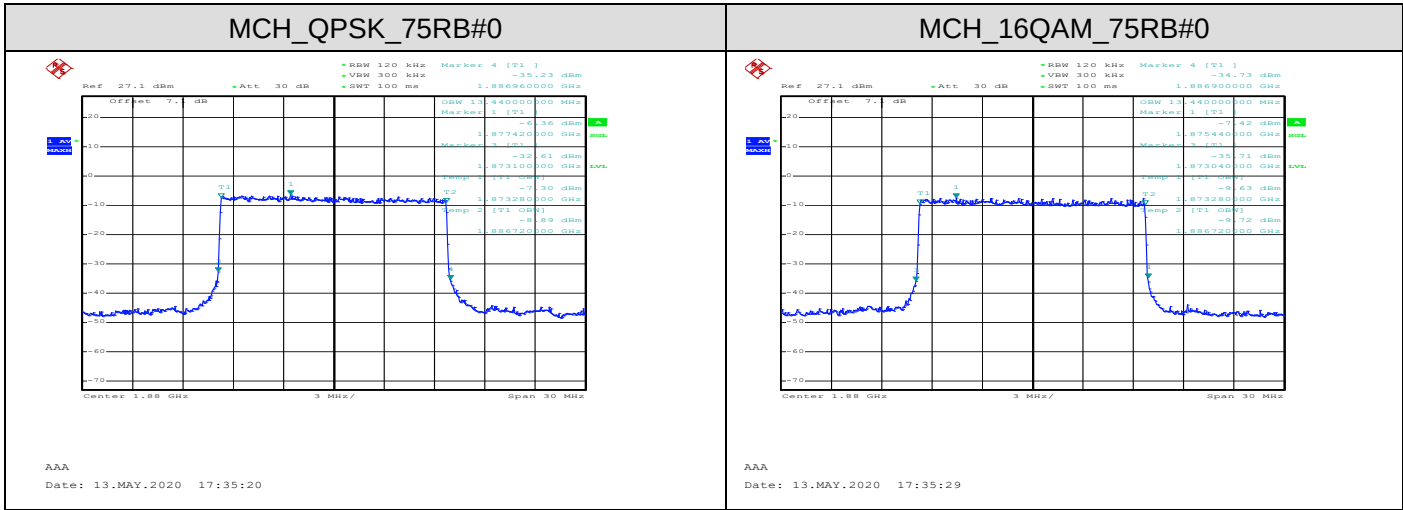
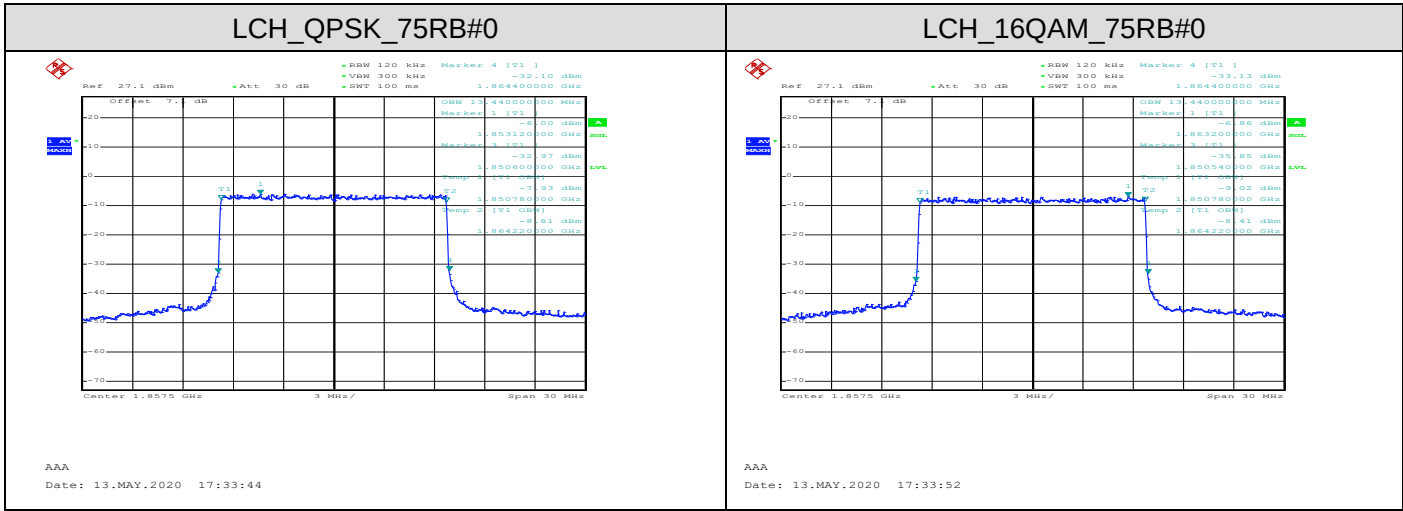
AAA
Date: 13.MAY.2020 17:31:59

HCH_16QAM_50RB#0



AAA
Date: 13.MAY.2020 17:32:07

Channel Bandwidth: 15 MHz



Channel Bandwidth: 20 MHz

