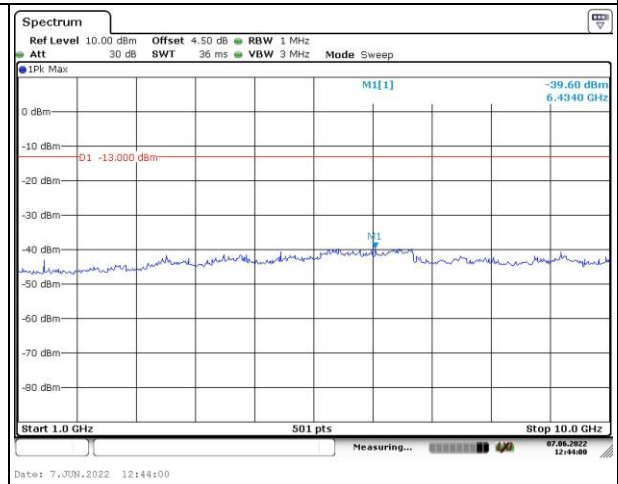
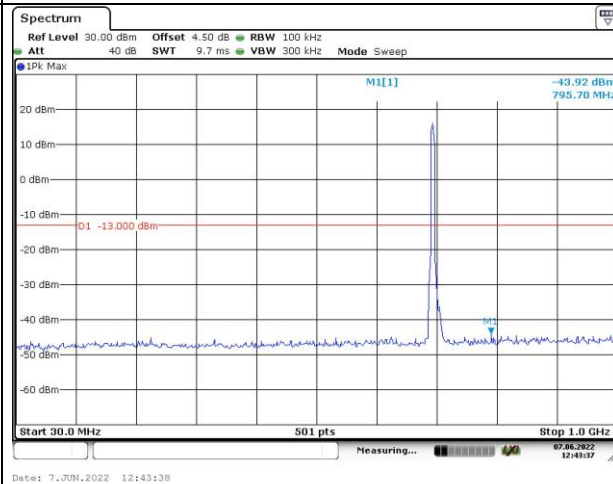


Spurious Emissions at Antenna Terminal

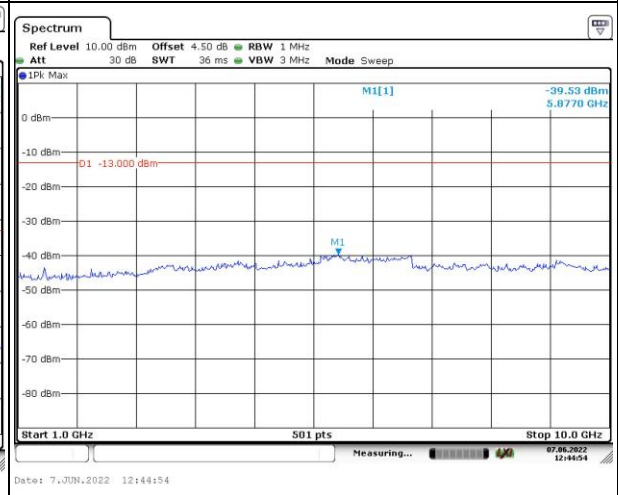
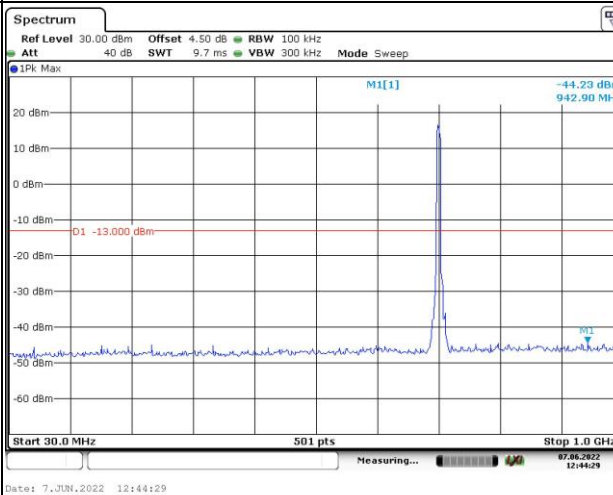
Channel

5MHz Bandwidth QPSK

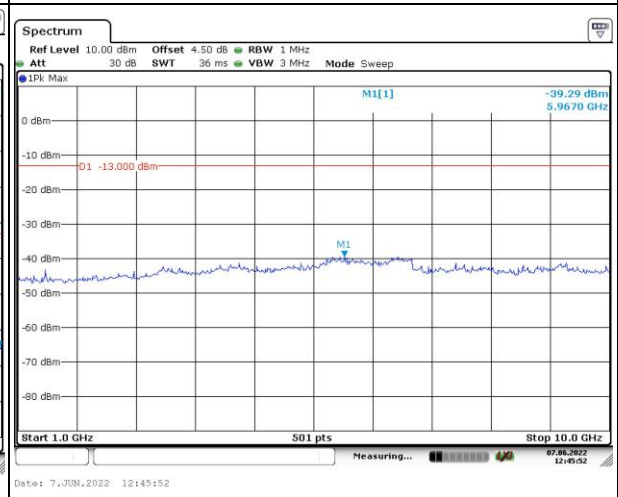
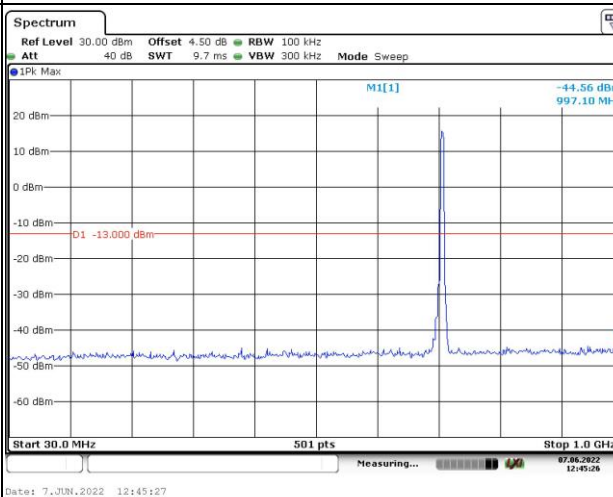
Lowest



Middle



Highest

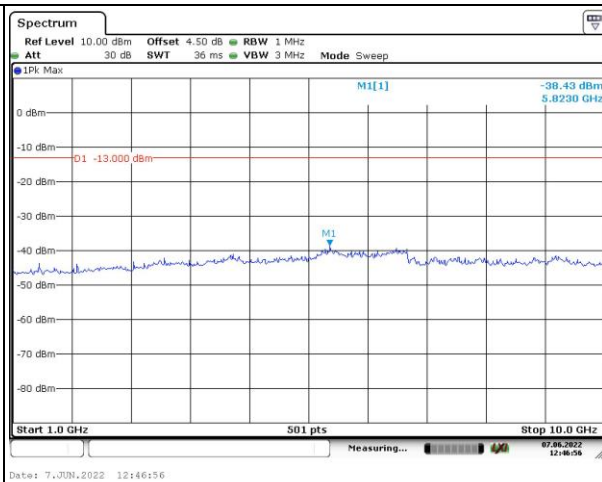
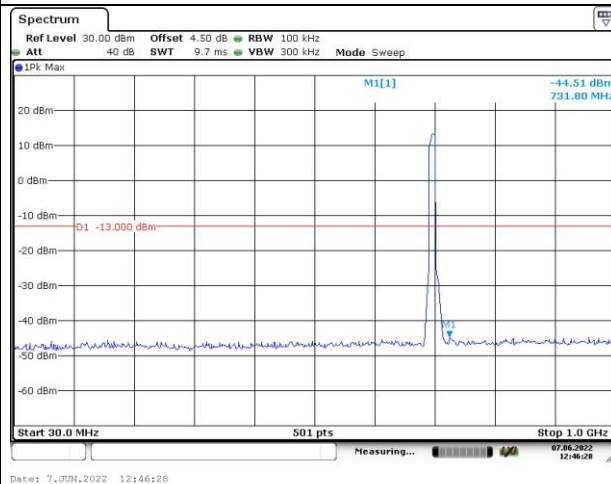


Spurious Emissions at Antenna Terminal

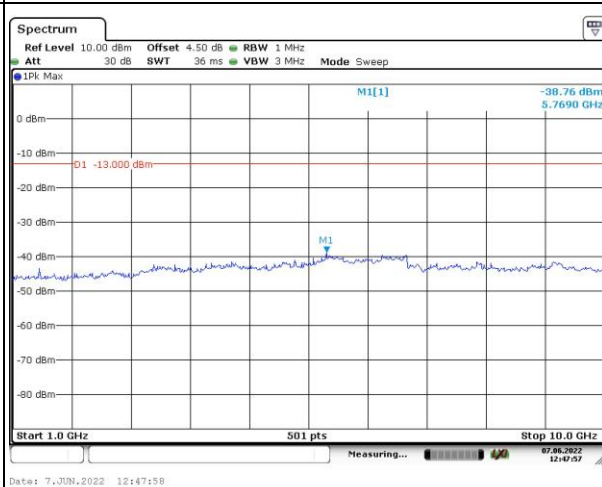
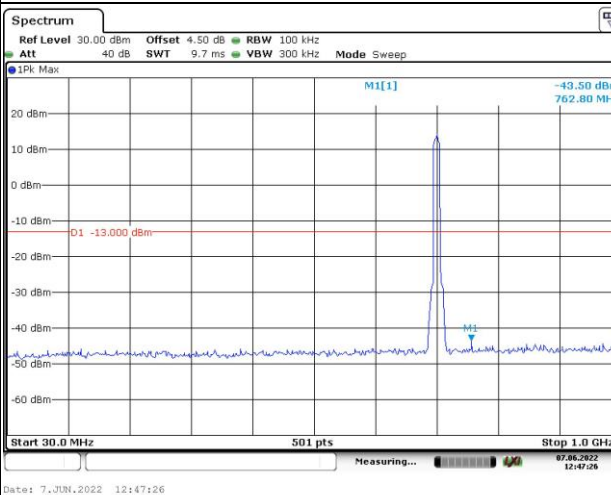
Channel

10MHz Bandwidth QPSK

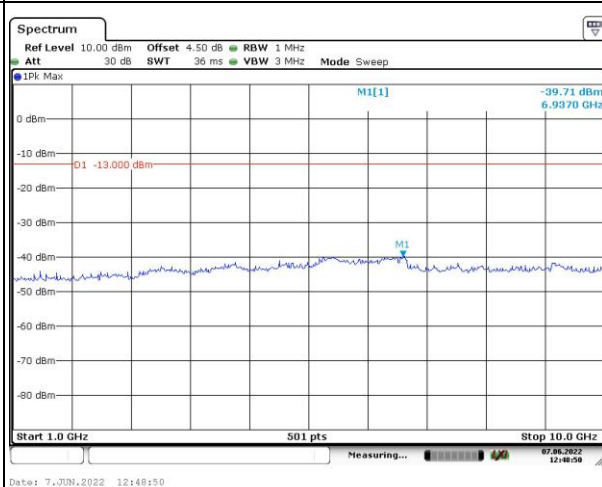
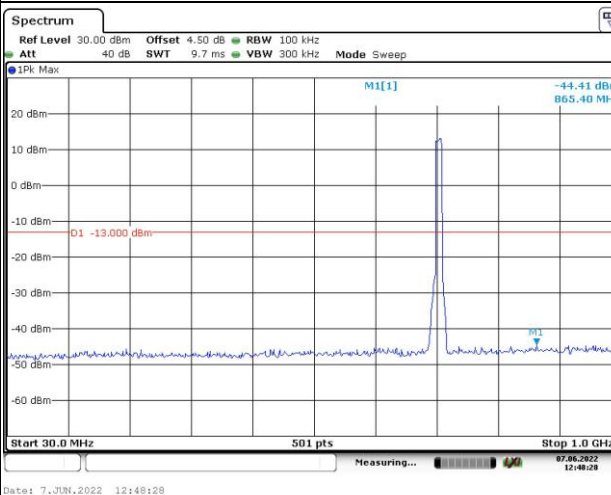
Lowest



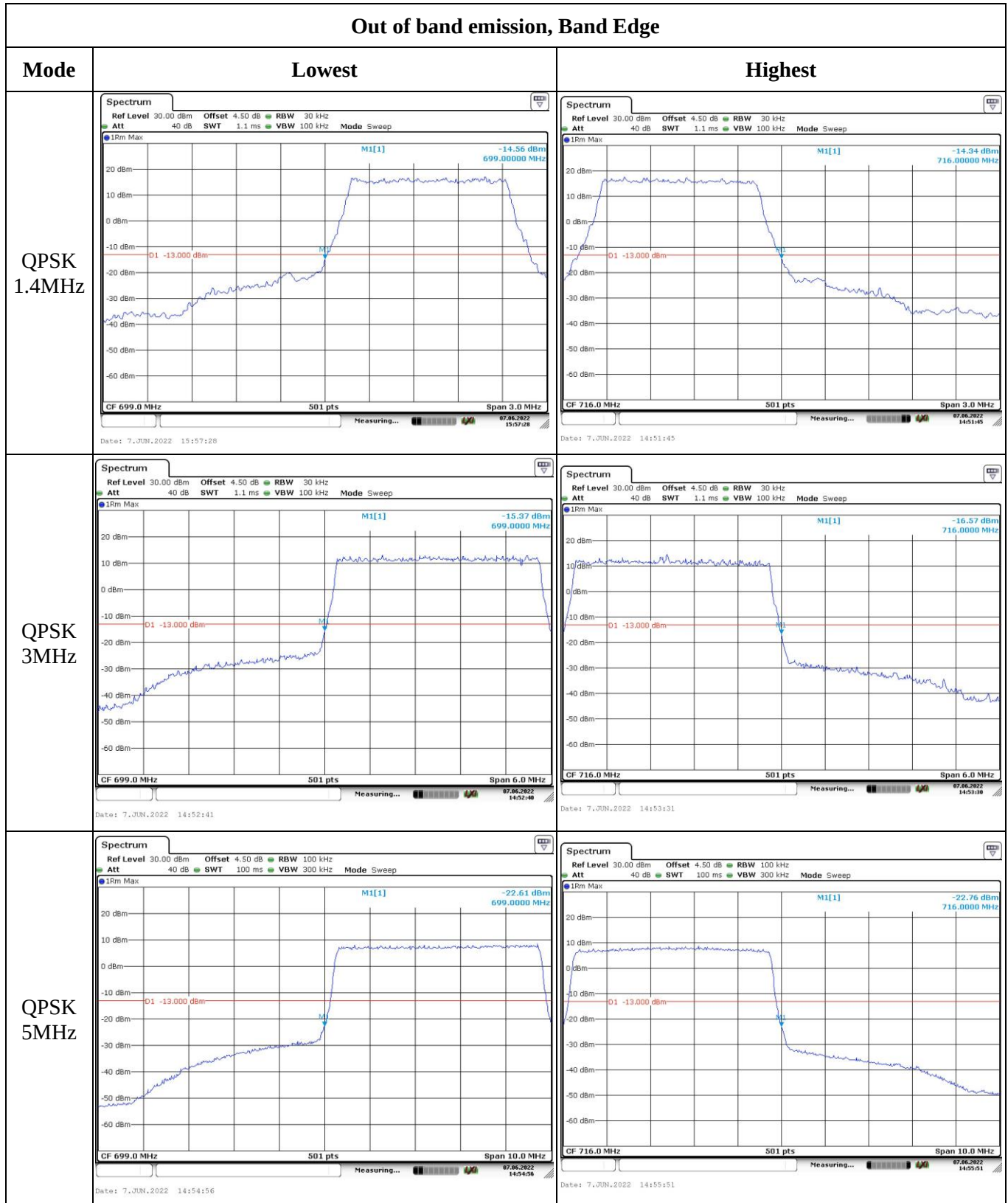
Middle



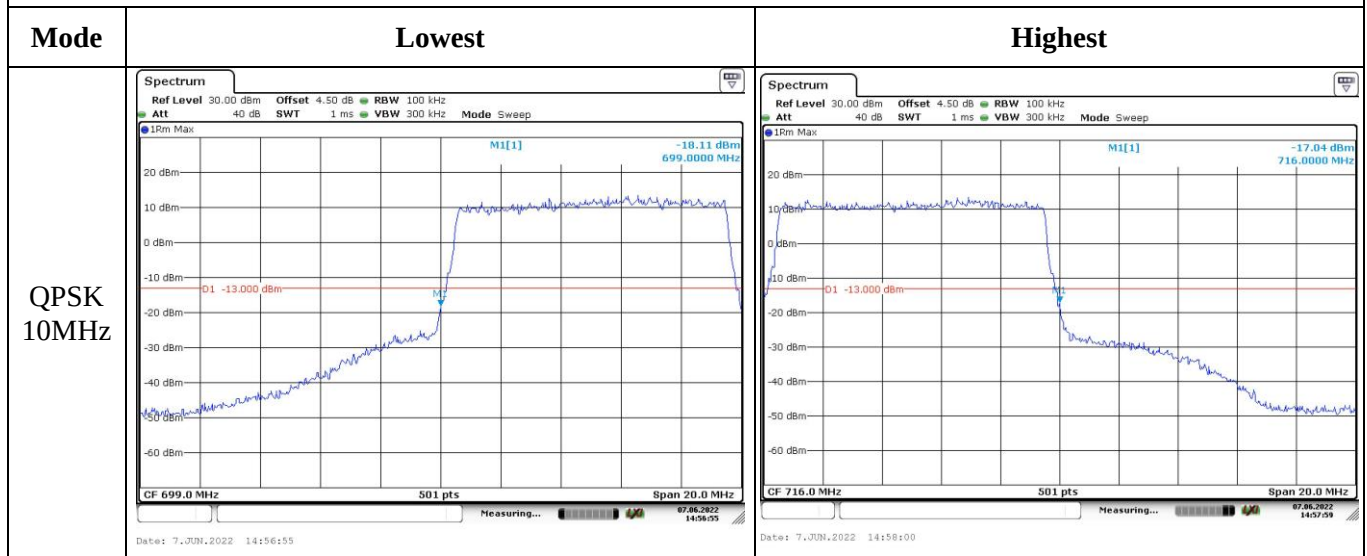
Highest



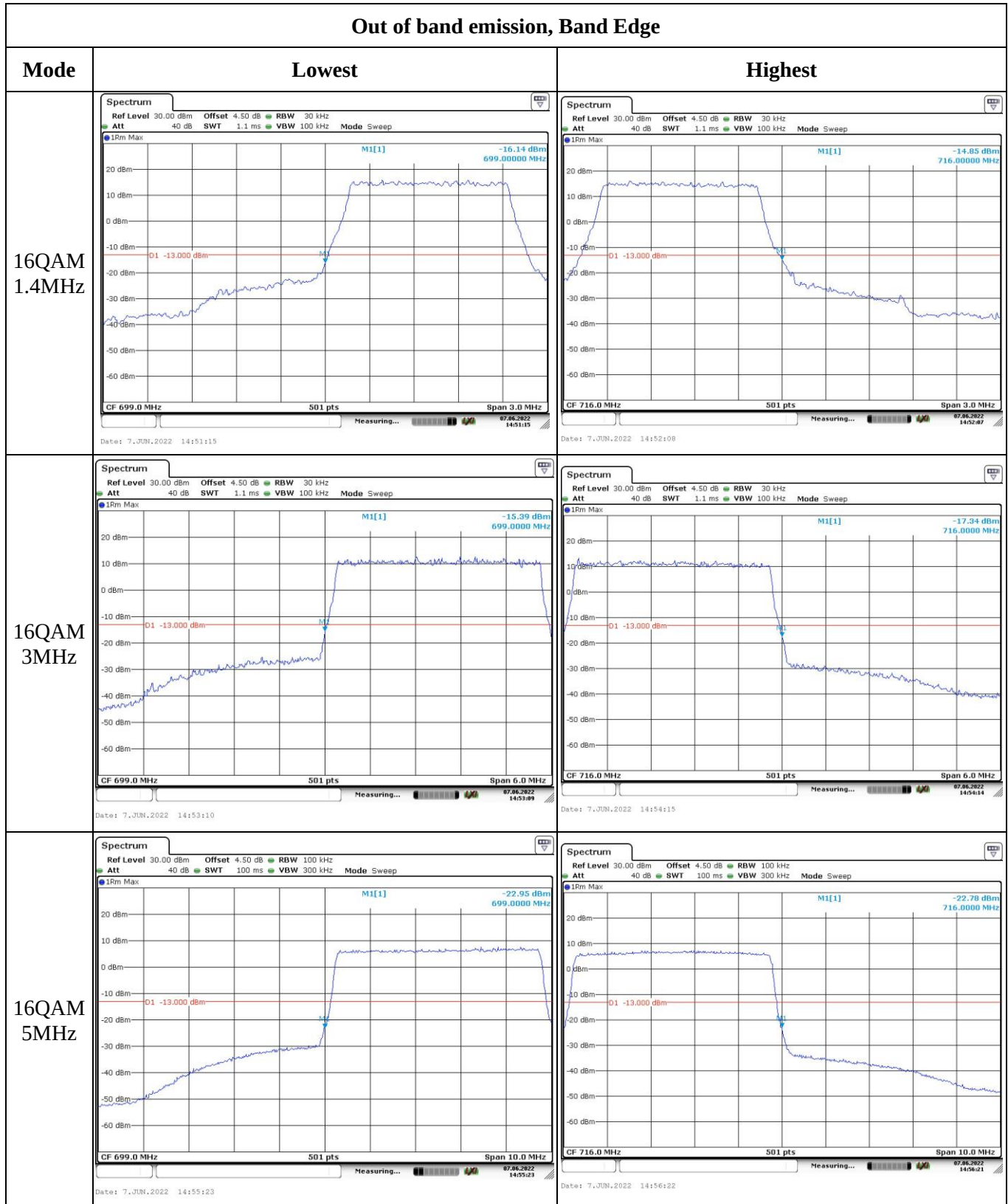
Out of band emission, Band Edge

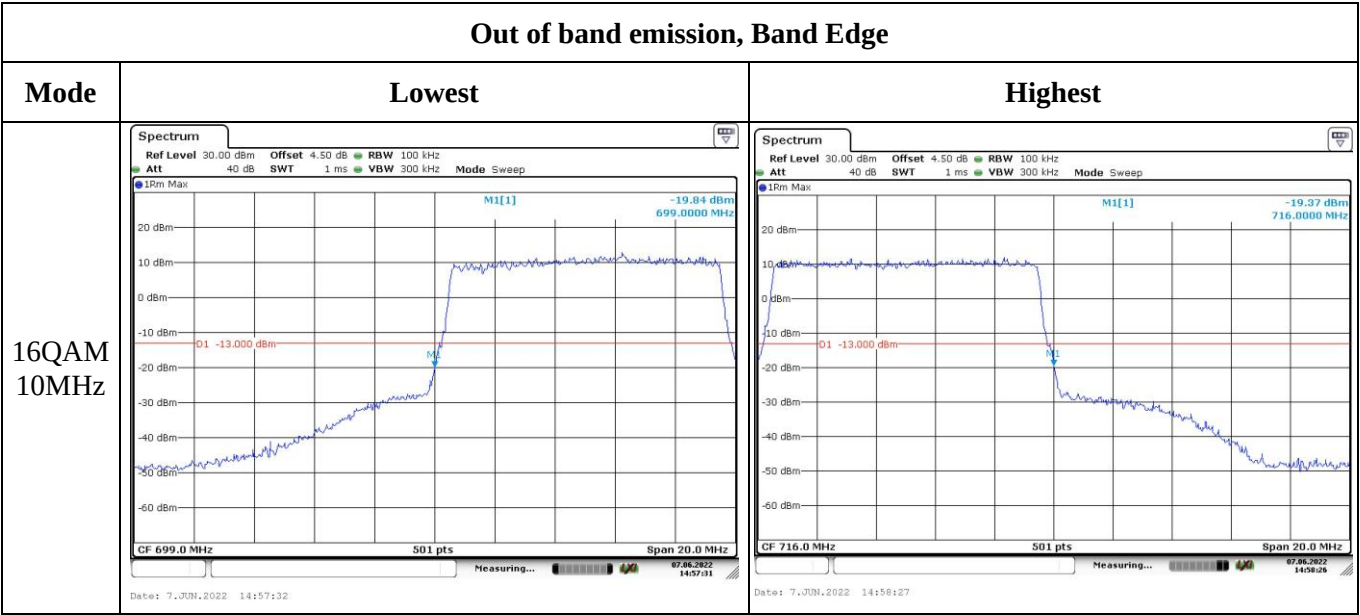


Out of band emission, Band Edge



Out of band emission, Band Edge





4.8 Antenna Port Test Data and Results for LTE Band 13:

Serial Number:	CR22050038-RF-S1	Test Date:	2022-06-07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.8	Relative Humidity: (%)	60	ATM Pressure: (kPa)	100.3
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021-07-22	2022-07-21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Unknown	RF Cable	Unknown	RF Cable 004	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	144976	2021-07-22	2022-07-21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021-07-22	2022-07-21
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-29
Unknown	Coaxial tee connector	Unknown	2204006	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

EUT Information@LTE Band 13▲:

Antenna Gain G_T (dBi):	0.52	Antenna Gain G_T (dBd):	-1.63	Path Loss L_C (dB):	0
Operation Voltage(V_{DC}):					
Lowest:	3.4	Normal:	3.7	Highest:	4.2

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	779.5	/	784.5
10MHz	/	782	/

Test Data:**FCC §2.1046; § 27.50(c) (10)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP(dBm)	ERP Limit(dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	23.15	/	23.34	21.87	34.77
	RB1#13	23.31	/	23.27		
	RB1#24	23.3	/	23.5		
	RB15#0	22.4	/	22.47		
	RB15#10	22.44	/	22.41		
	RB25#0	22.41	/	22.48		
5MHz 16QAM	RB1#0	22.33	/	22.64	21.01	34.77
	RB1#13	22.4	/	22.31		
	RB1#24	22.31	/	22.51		
	RB15#0	21.45	/	20.95		
	RB15#10	21.37	/	21.37		
	RB25#0	21.35	/	21.39		
10MHz QPSK	RB1#0	/	23.45	/	22.03	34.77
	RB1#25	/	23.56	/		
	RB1#49	/	23.66	/		
	RB25#0	/	22.37	/		
	RB25#25	/	22.49	/		
	RB50#0	/	22.51	/		
10MHz 16QAM	RB1#0	/	22.47	/	20.84	34.77
	RB1#25	/	22.46	/		
	RB1#49	/	22.4	/		
	RB25#0	/	21.33	/		
	RB25#25	/	21.37	/		
	RB50#0	/	21.42	/		
Note: ERP=Conducted Power(dBm) - L _C (dB) + G _T (dBd)					Result:	Pass

Peak-to-average Ratio(PAR)					
Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	/	4.32	/	13
	RB50#0	/	4.55	/	13
10MHz 16QAM	RB1#0	/	5.65	/	13
	RB50#0	/	5.65	/	13
Result:					Pass

FCC §2.1049, §27.53:Occupied Bandwidth						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.511	/	4.531	4.98	/	5.02
5MHz 16QAM	4.511	/	4.511	5.04	/	5.04
10MHz QPSK	/	8.942	/	/	9.68	/
10MHz 16QAM	/	8.942	/	/	9.68	/
Note: The test plots please refer to the Plots of Occupied Bandwidth						

FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal	
Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.

FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.

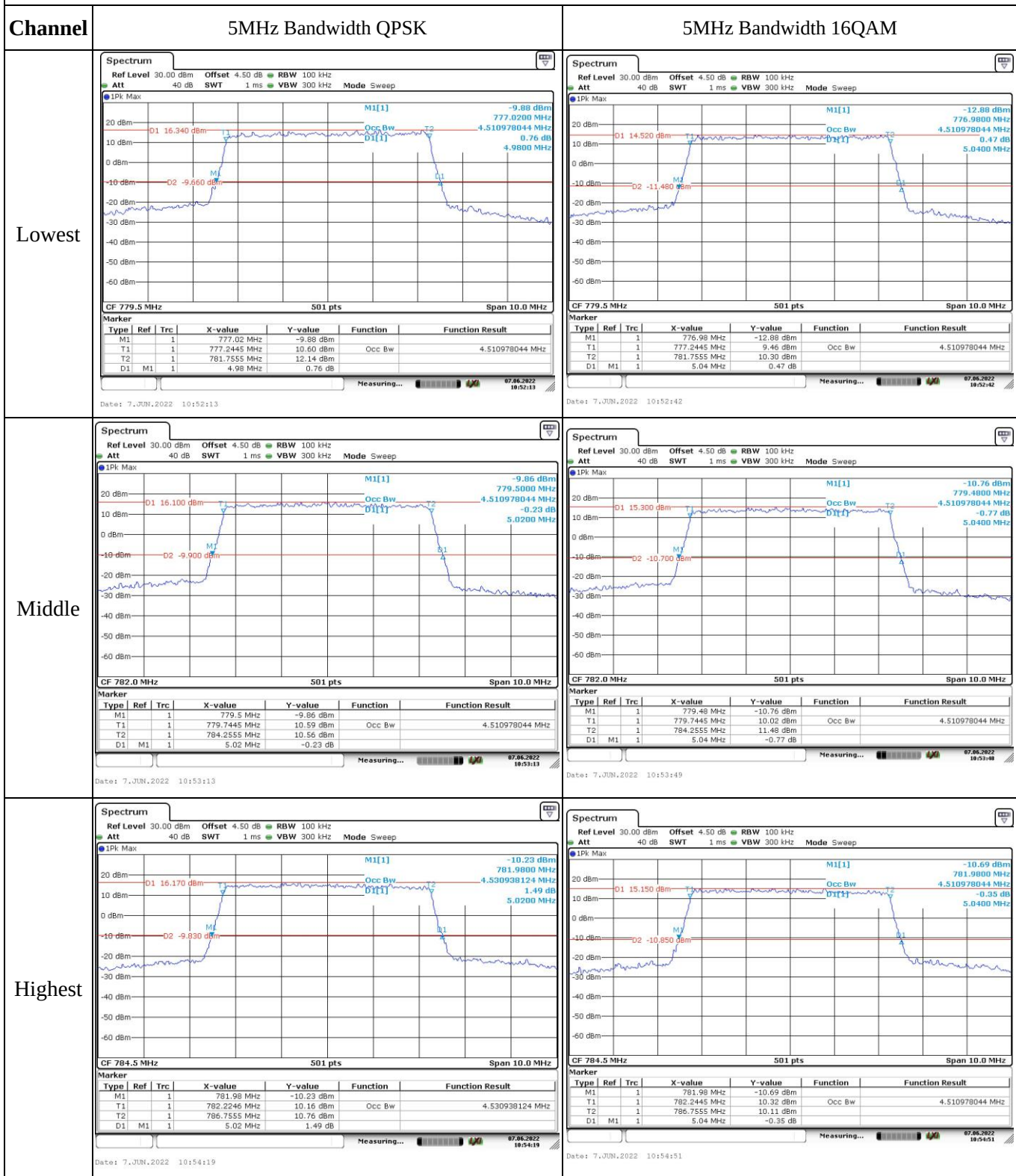
FCC §2.1055, §27.54: Frequency Stability

Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	777.533	777.00	786.476	787.00
	-20	3.7	777.531	777.00	786.475	787.00
	-10	3.7	777.535	777.00	786.477	787.00
	0	3.7	777.530	777.00	786.472	787.00
	10	3.7	777.529	777.00	786.473	787.00
	20	3.7	777.529	777.00	786.471	787.00
	30	3.7	777.522	777.00	786.470	787.00
	40	3.7	777.525	777.00	786.468	787.00
	50	3.7	777.528	777.00	786.469	787.00
Frequency Stability vs. Voltage	20	3.4	777.523	777.00	786.466	787.00
	20	4.2	777.528	777.00	786.470	787.00
					Result:	Pass

Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	777.530	777.00	786.475	787.00
	-20	3.7	777.532	777.00	786.474	787.00
	-10	3.7	777.535	777.00	786.473	787.00
	0	3.7	777.530	777.00	786.478	787.00
	10	3.7	777.531	777.00	786.472	787.00
	20	3.7	777.529	777.00	786.471	787.00
	30	3.7	777.528	777.00	786.470	787.00
	40	3.7	777.523	777.00	786.469	787.00
	50	3.7	777.524	777.00	786.466	787.00
Frequency Stability vs. Voltage	20	3.4	777.528	777.00	786.468	787.00
	20	4.2	777.527	777.00	786.467	787.00
					Result:	Pass

Test Plots:

Occupied Bandwidth



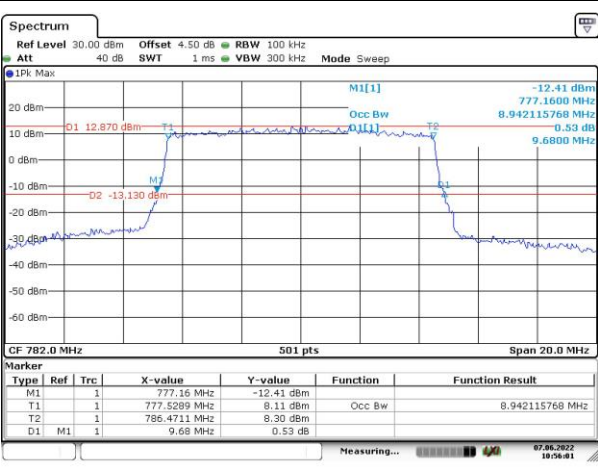
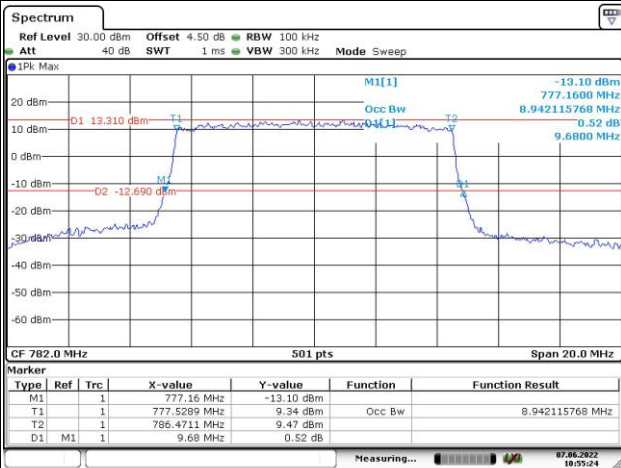
Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

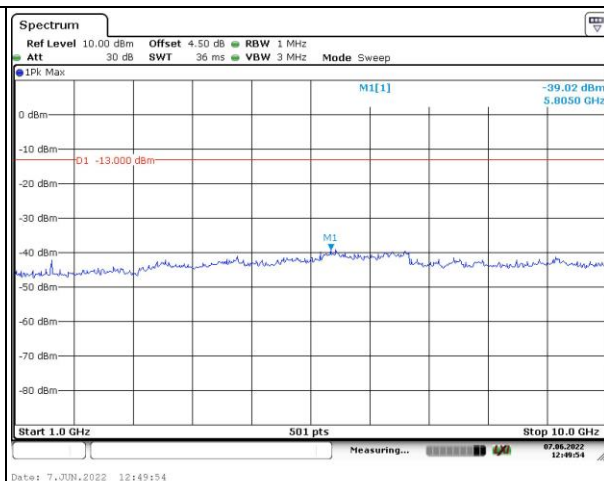
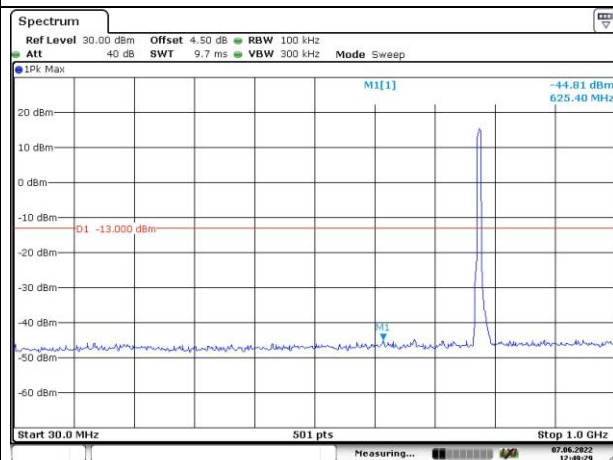
Middle



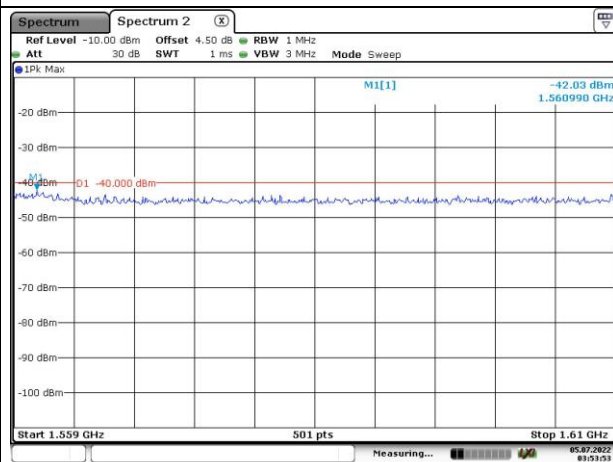
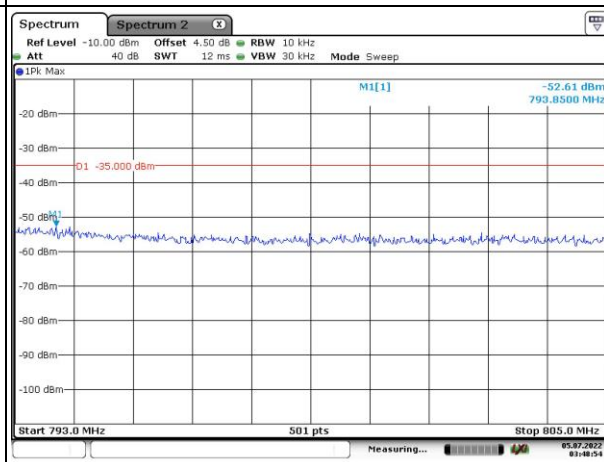
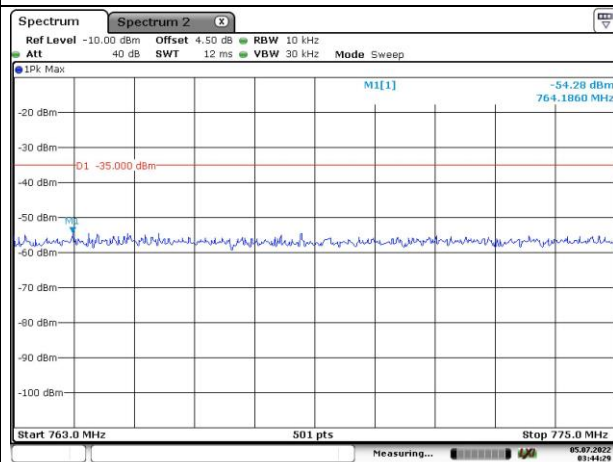
Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK



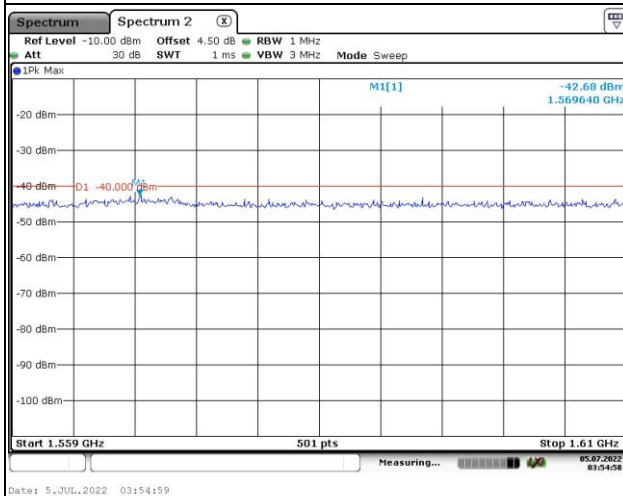
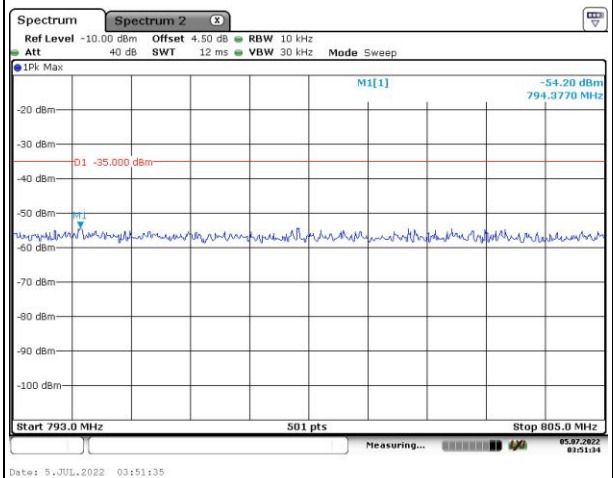
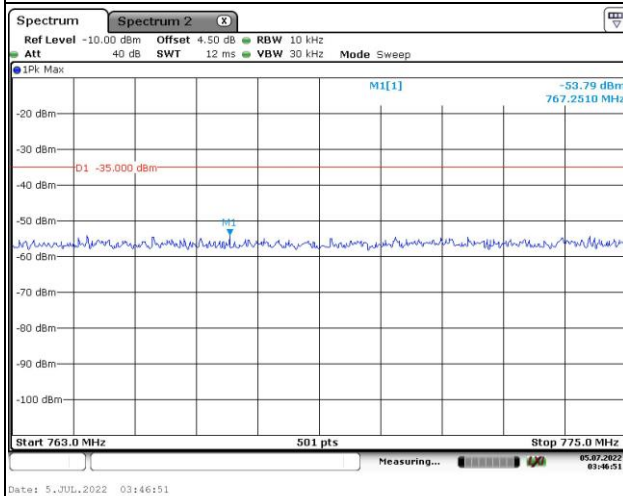
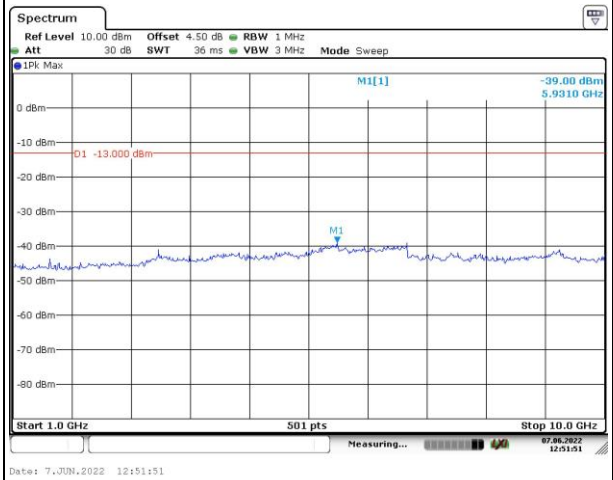
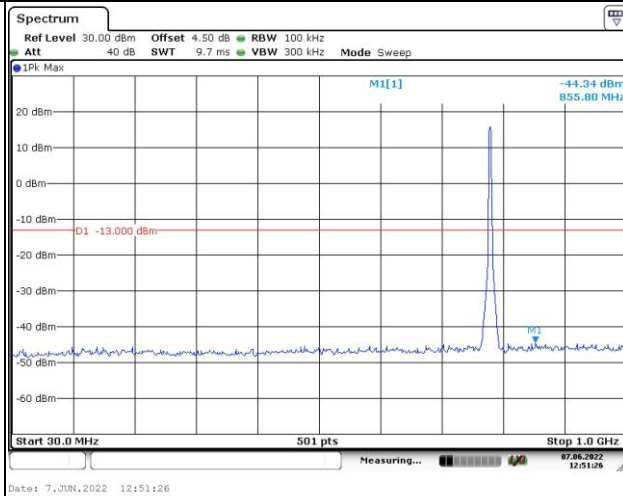
Lowest



Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK



Highest

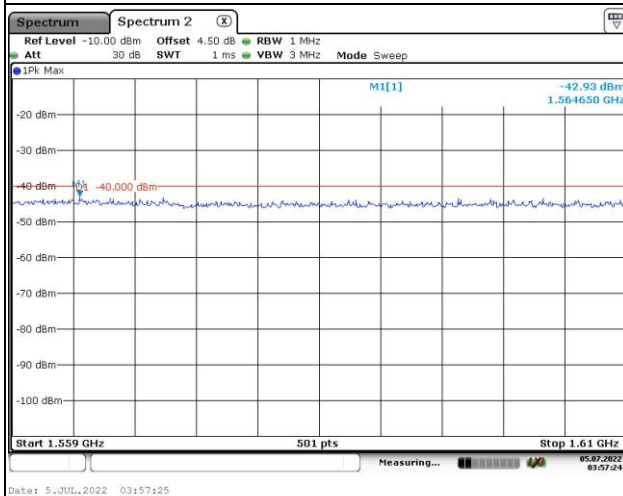
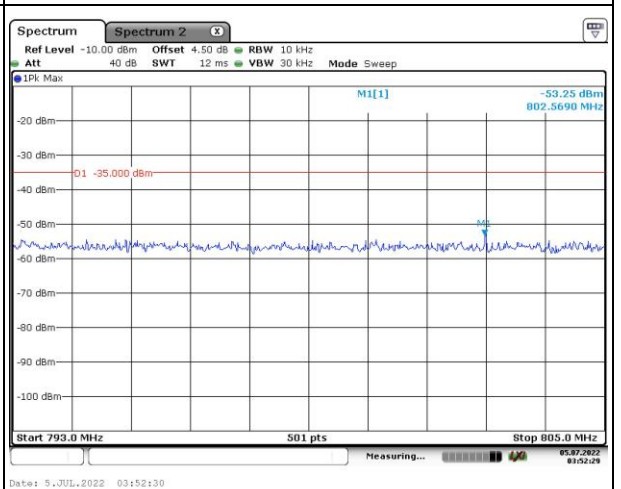
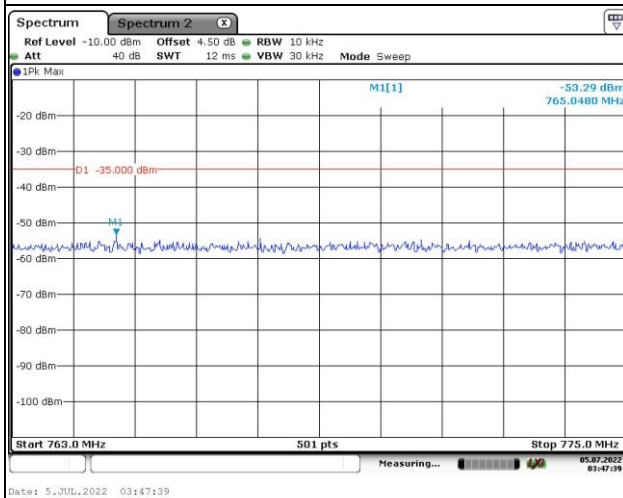
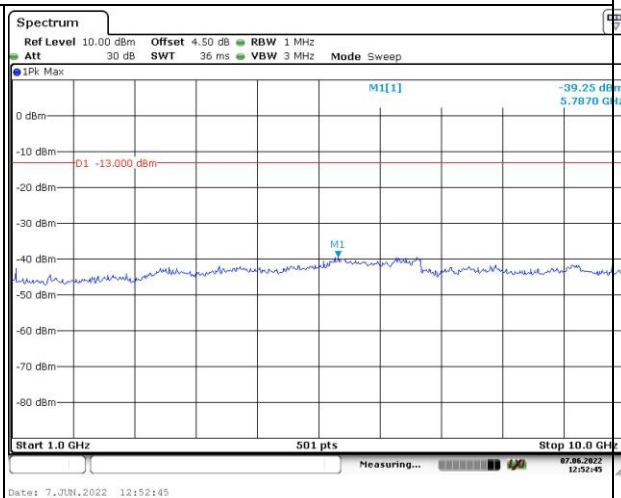
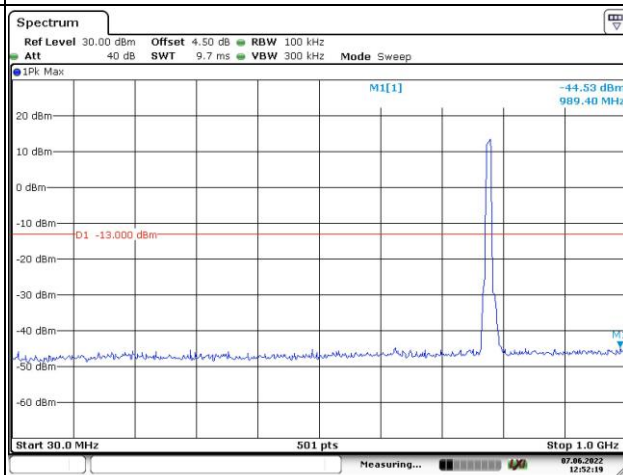
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Spurious Emissions at Antenna Terminal

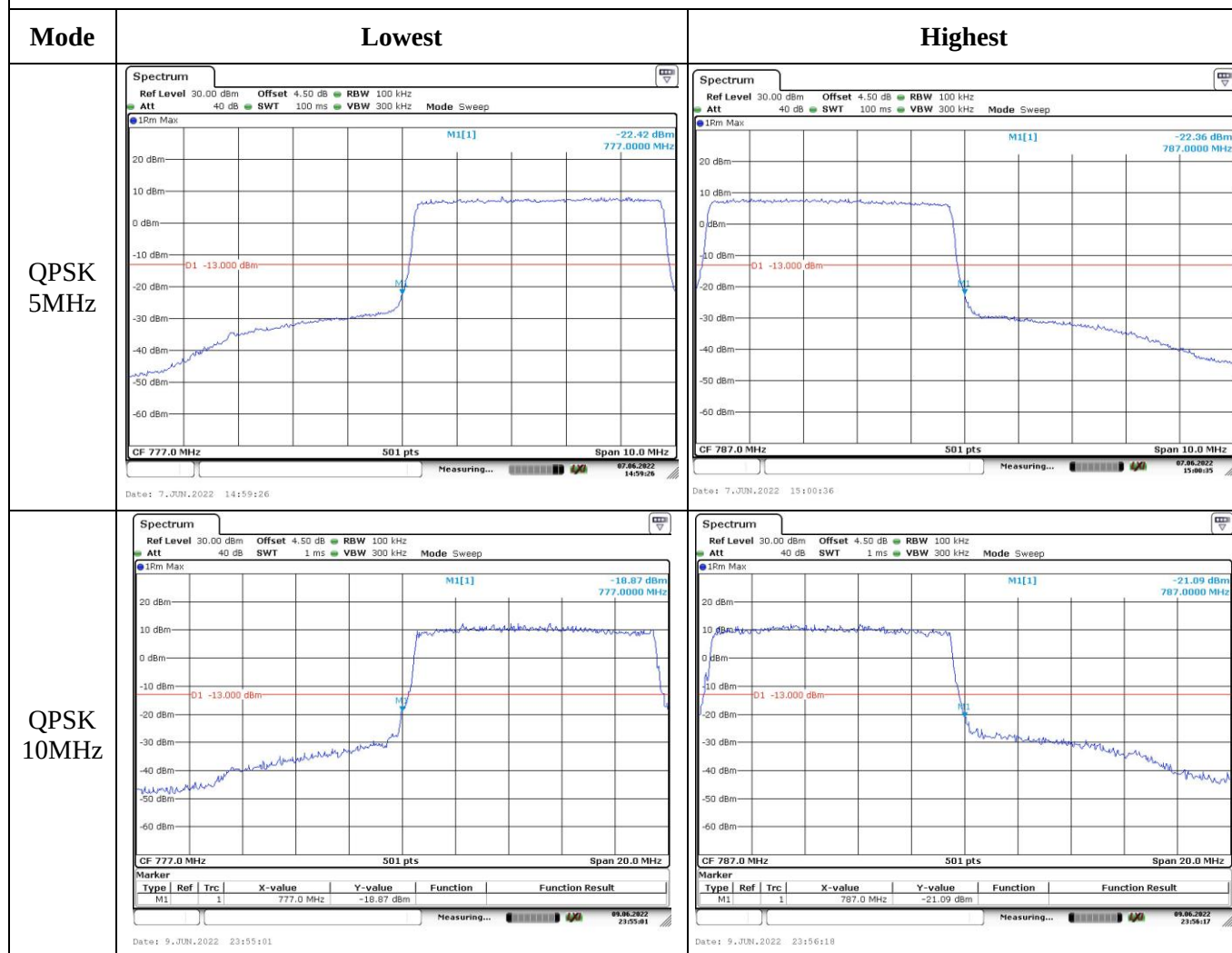
Channel

10MHz Bandwidth QPSK

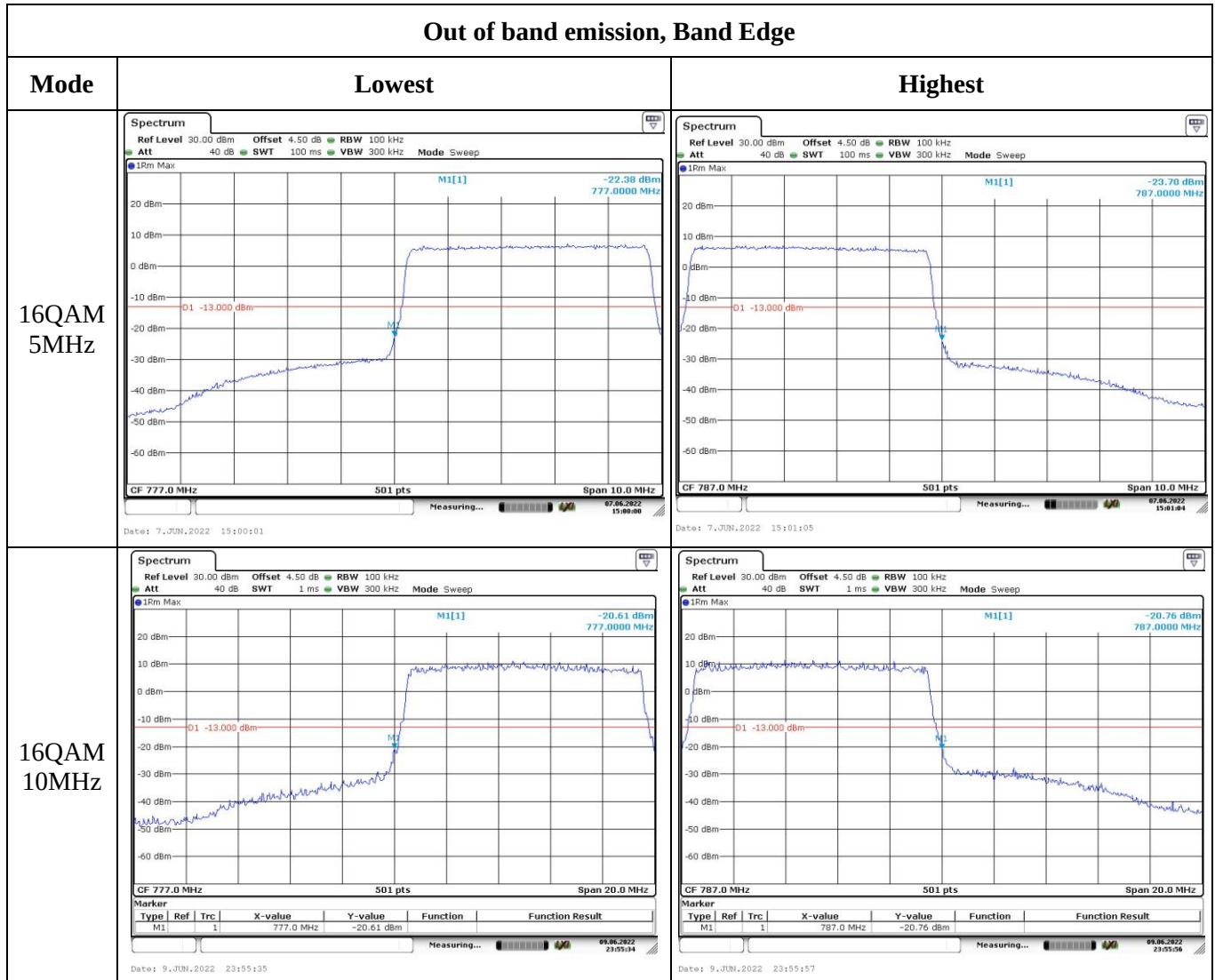
Middle



Out of band emission, Band Edge



Out of band emission, Band Edge



4.9 Antenna Port Test Data and Results for LTE Band 14:

Serial Number:	CR22050038-RF-S1	Test Date:	2022-06-07~2022-08-22
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.8~28.7	Relative Humidity: (%)	60~61	ATM Pressure: (kPa)	100.3~100.8
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021-07-22	2022-07-21
R&S	Spectrum Analyzer	FSV40	101474	2022-07-15	2023-07-14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
Unknown	RF Cable	Unknown	RF Cable 004	Each time	N/A
R&S	Wideband Radio	CMW500	144976	2021-07-22	2022-07-21
R&S	Wideband Radio Communication Tester	CMW500	149218	2022-07-15	2023-07-14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-04-06	2023-04-05
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-29
Unknown	Coaxial tee connector	Unknown	2204006	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

EUT Information@LTE Band 14▲:

Antenna Gain G_T (dBi):	-0.03	Antenna Gain G_T (dBd):	-2.18	Path Loss L_C (dB):	0
Operation Voltage(V_{DC}):					
Lowest:	3.4	Normal:	3.7	Highest:	4.2

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	790.5	/	795.5
10MHz	/	793	/

Test Data:**FCC §2.1046; § 90.542****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP(dBm)	ERP Limit(dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	23.39	/	23.43	21.26	34.77
	RB1#13	23.37	/	23.44		
	RB1#24	23.31	/	23.4		
	RB15#0	22.53	/	22.44		
	RB15#10	22.5	/	22.48		
	RB25#0	22.52	/	22.48		
5MHz 16QAM	RB1#0	22.34	/	22.59	20.41	34.77
	RB1#13	22.38	/	22.47		
	RB1#24	22.36	/	22.57		
	RB15#0	21.45	/	21.4		
	RB15#10	21.42	/	21.4		
	RB25#0	21.4	/	21.4		
10MHz QPSK	RB1#0	/	23.54	/	21.38	34.77
	RB1#25	/	23.5	/		
	RB1#49	/	23.56	/		
	RB25#0	/	22.48	/		
	RB25#25	/	22.47	/		
	RB50#0	/	22.51	/		
10MHz 16QAM	RB1#0	/	22.22	/	20.36	34.77
	RB1#25	/	22.54	/		
	RB1#49	/	22.24	/		
	RB25#0	/	21.41	/		
	RB25#25	/	21.4	/		
	RB50#0	/	21.41	/		

Note:

ERP=Conducted Power(dBm) - L_C(dB) + G_T(dBd)**Result:****Pass****Peak-to-average Ratio(PAR)**

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	/	4	/	13
	RB50#0	/	4.7	/	13
10MHz 16QAM	RB1#0	/	5.28	/	13
	RB50#0	/	5.74	/	13
Result:					Pass

FCC §2.1049, §90.209:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.511	/	4.511	5.06	/	5.02
5MHz 16QAM	4.511	/	4.511	5.02	/	5
10MHz QPSK	/	8.942	/	/	9.72	/
10MHz 16QAM	/	8.942	/	/	9.76	/

Note: The test plots please refer to the Plots of Occupied Bandwidth

FCC §2.1051, §90.543:Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
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FCC §2.1051, §90.543:Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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FCC §2.1055, §90.213: Frequency Stability

Test Mode:	10 MHz QPSK		Test Channel:	793	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.7	1	0.001	2.5
	-20	3.7	-7	-0.009	2.5
	-10	3.7	-5	-0.006	2.5
	0	3.7	8	0.010	2.5
	10	3.7	-9	-0.011	2.5
	20	3.7	-1	-0.001	2.5
	30	3.7	5	0.006	2.5
	40	3.7	9	0.011	2.5
	50	3.7	3	0.004	2.5
Frequency Stability vs. Voltage	20	3.4	-8	-0.010	2.5
	20	4.2	-6	-0.008	2.5
Result:				Pass	

Test Mode:	10 MHz 16QAM		Test Channel:	793	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.7	3	0.004	2.5
	-20	3.7	-8	-0.010	2.5
	-10	3.7	6	0.008	2.5
	0	3.7	-5	-0.006	2.5
	10	3.7	7	0.009	2.5
	20	3.7	-1	-0.001	2.5
	30	3.7	6	0.008	2.5
	40	3.7	-5	-0.006	2.5
	50	3.7	-8	-0.010	2.5
Frequency Stability vs. Voltage	20	3.4	9	0.011	2.5
	20	4.2	-6	-0.008	2.5
				Result:	Pass

Test Plots:

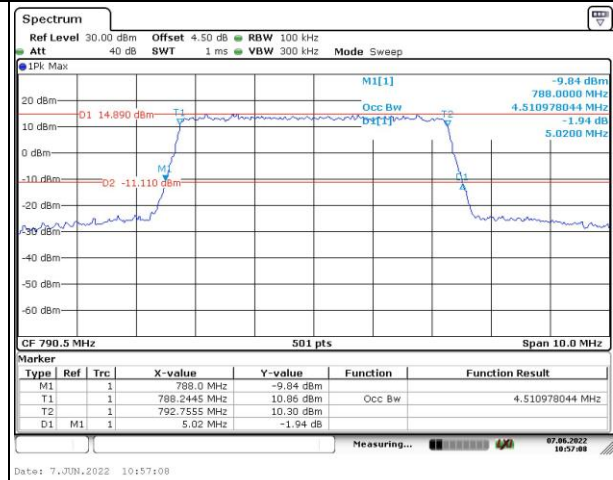
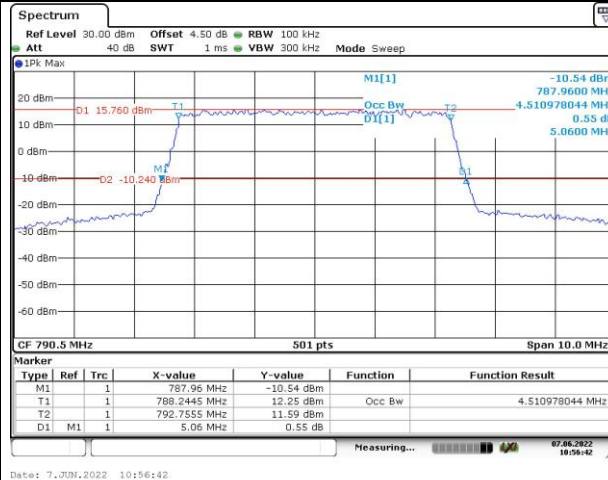
Occupied Bandwidth

Channel

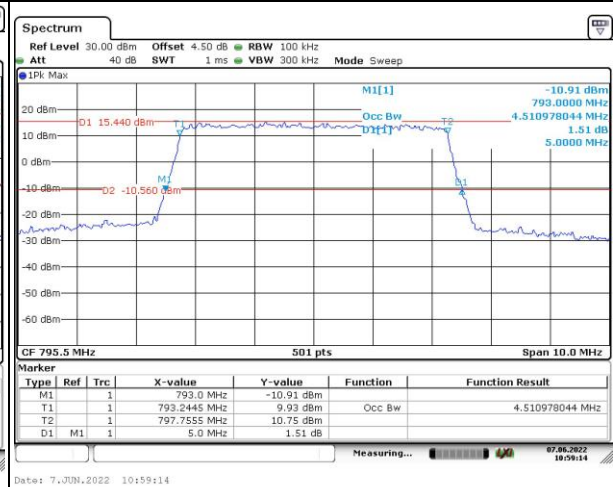
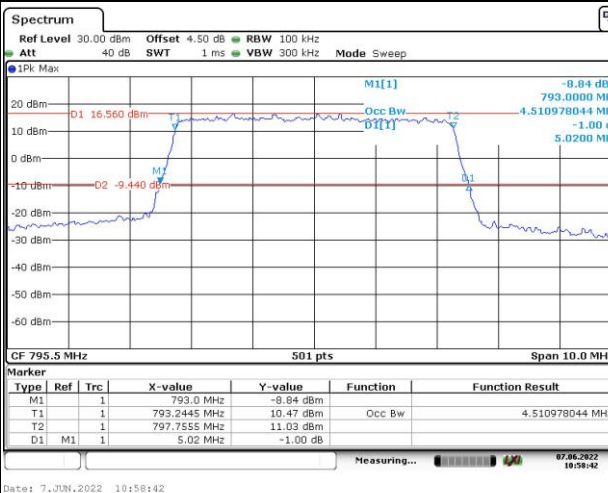
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

Lowest



Highest



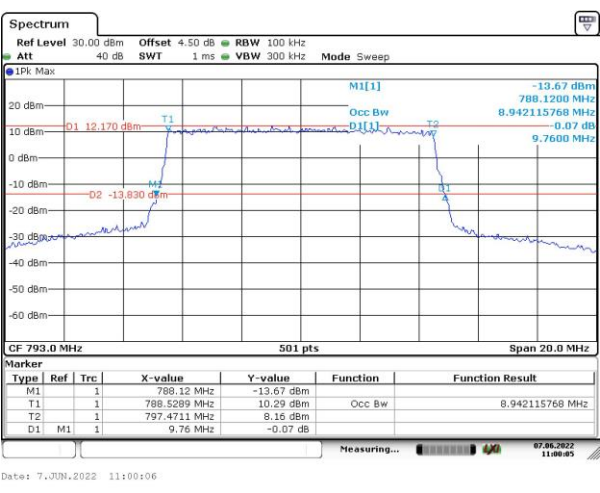
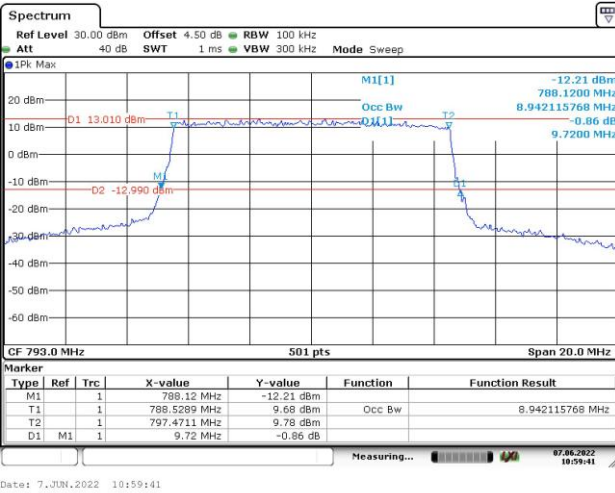
Occupied Bandwidth

Channel

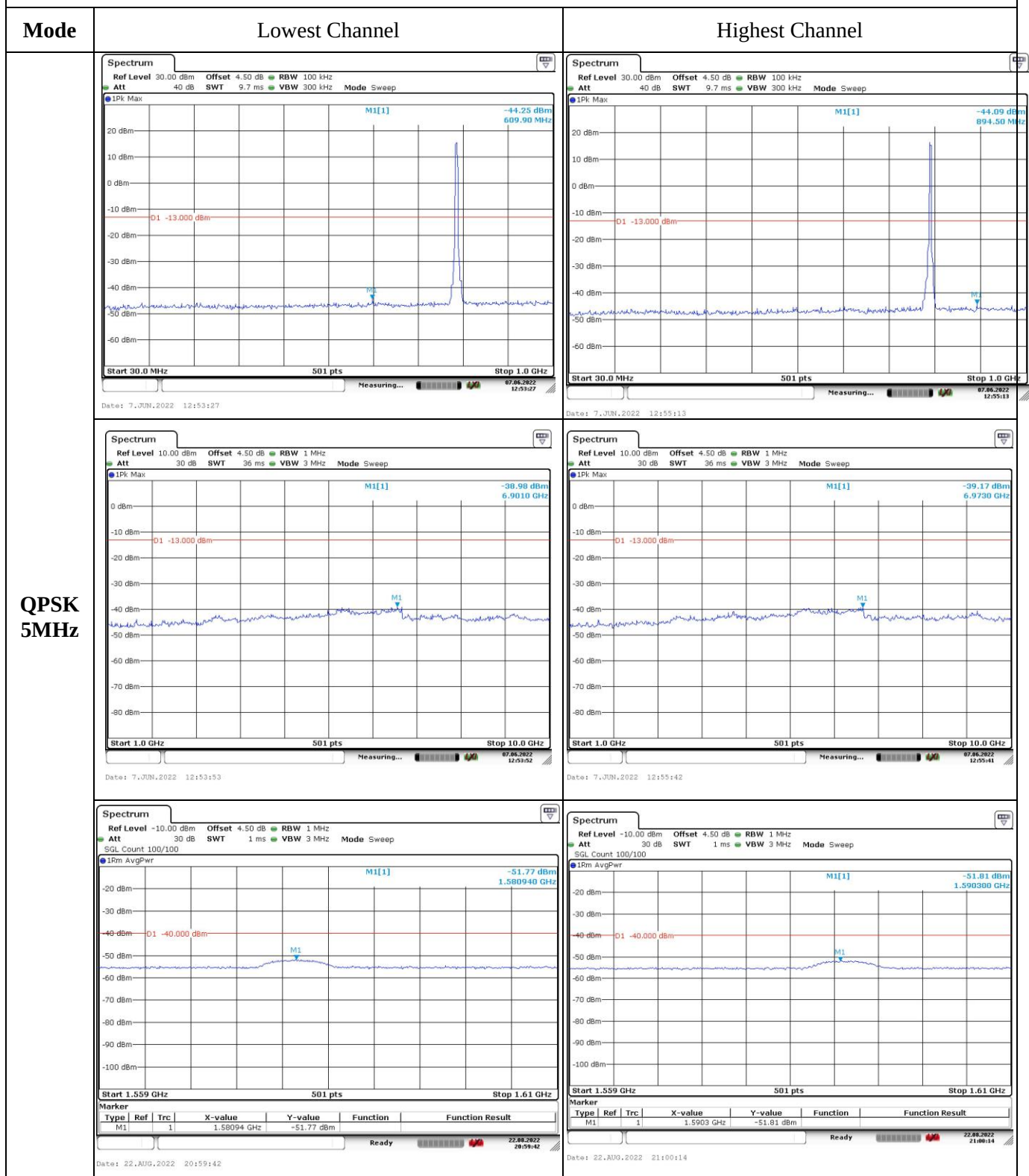
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

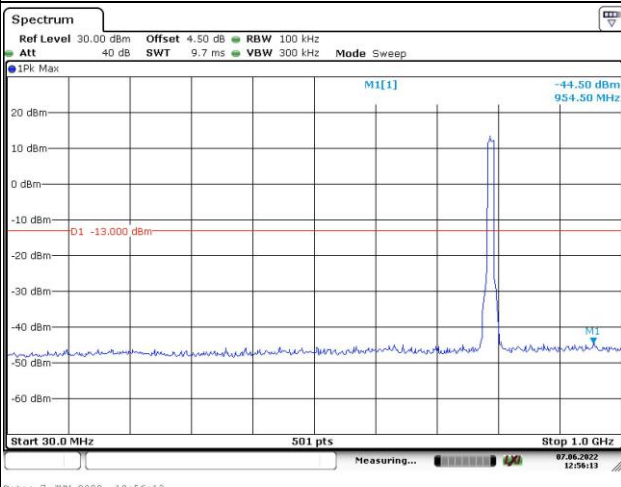
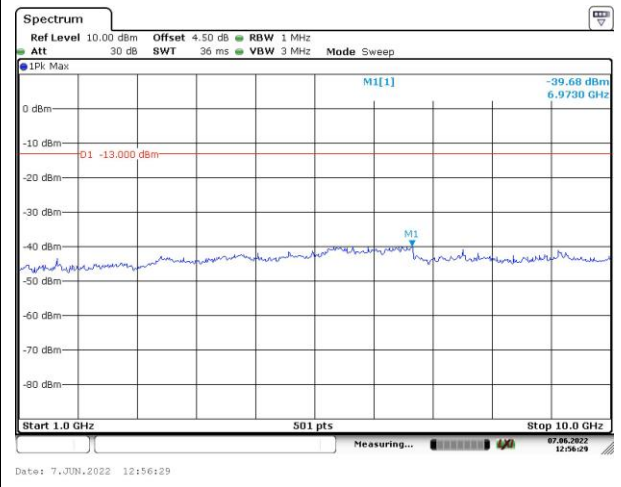
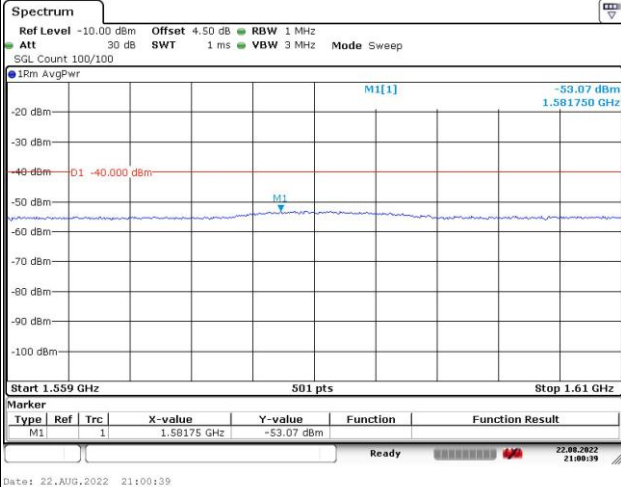
Middle



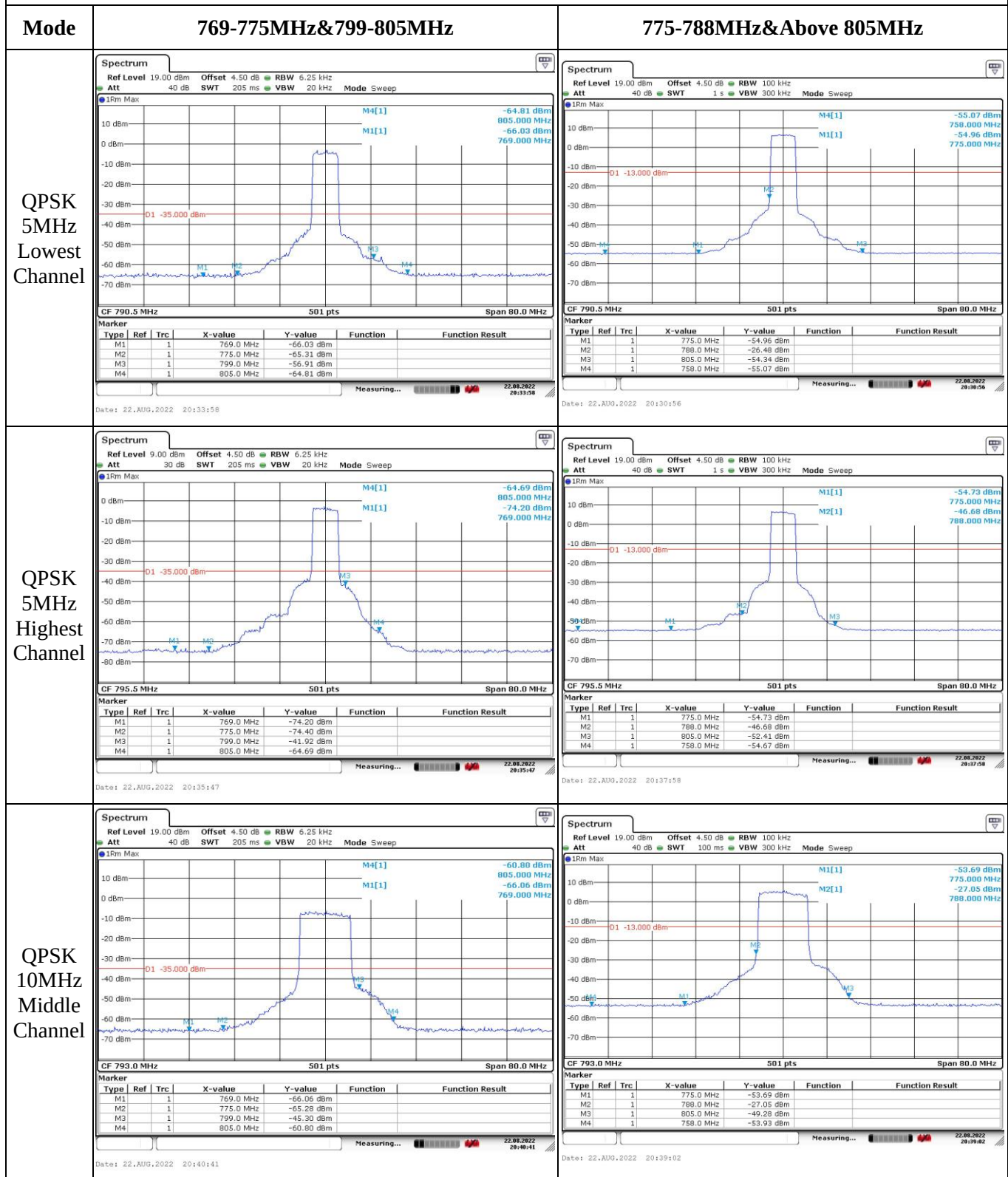
Spurious Emissions at Antenna Terminal



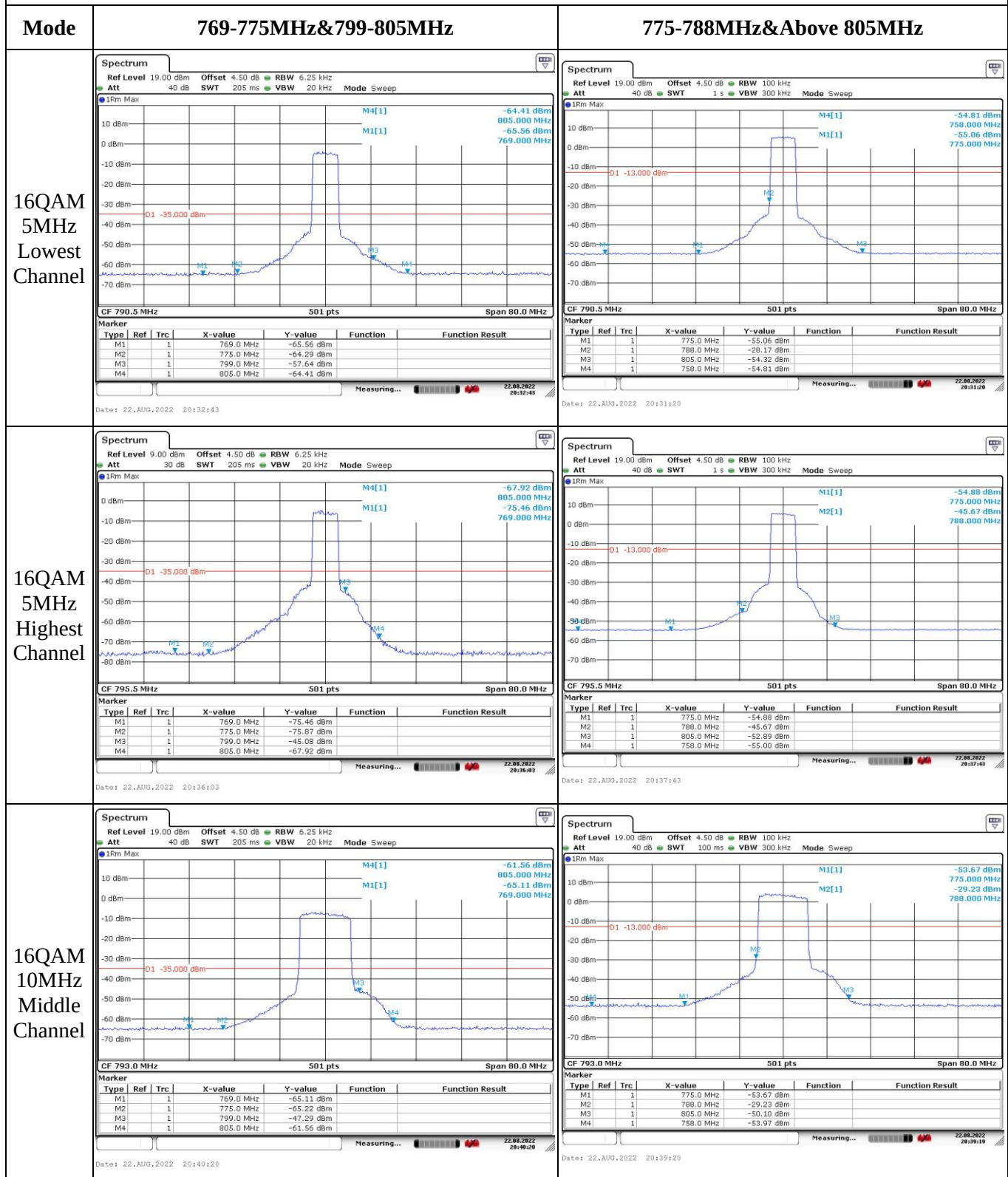
Spurious Emissions at Antenna Terminal

Mode	Middle Channel	/
QPSK 10MHz		/
		/
		/

Out of band emission, Band Edge



Out of band emission, Band Edge



4.10 Antenna Port Test Data and Results for LTE Band 66:

Serial Number:	CR22050038-RF-S1	Test Date:	2022-06-07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.8	Relative Humidity: (%)	60	ATM Pressure: (kPa)	100.3
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021-07-22	2022-07-21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
Unknown	RF Cable	Unknown	RF Cable 004	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	144976	2021-07-22	2022-07-21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021-07-22	2022-07-21
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-29
Unknown	Coaxial tee connector	Unknown	2204006	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

EUT Information@ LTE Band 66▲:

Antenna Gain G_T (dBi):	3.12	Path Loss L_C (dB):	0
Operation Voltage(V_{DC}):			
Lowest:	3.4	Normal:	3.7
		Highest:	4.2

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	1710.7	1745	1779.3
3MHz	1711.5	1745	1778.5
5MHz	1712.5	1745	1777.5
10MHz	1715	1745	1775
15MHz	1717.5	1745	1772.5
20MHz	1720	1745	1770

Test Data:**FCC §2.1046; § 27.50(d)(4)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	22.45	22.48	22.26	25.74	30
	RB1#3	22.47	22.62	22.45		
	RB1#5	22.38	22.43	22.37		
	RB3#0	22.37	22.55	22.29		
	RB3#3	22.35	22.61	22.19		
	RB6#0	21.38	21.5	21.27		
1.4MHz 16QAM	RB1#0	21.32	21.48	21.38	24.66	30
	RB1#3	21.36	21.53	21.54		
	RB1#5	21.3	21.34	21.25		
	RB3#0	21.33	21.46	21.26		
	RB3#3	21.43	21.33	21.17		
	RB6#0	20.4	20.49	20.32		
3MHz QPSK	RB1#0	22.38	22.6	22.5	25.72	30
	RB1#8	22.35	22.52	22.43		
	RB1#14	22.36	22.41	22.36		
	RB6#0	21.37	21.62	21.47		
	RB6#9	21.31	21.37	21.25		
	RB15#0	21.35	21.49	21.43		
3MHz 16QAM	RB1#0	21.41	21.53	21.58	24.82	30
	RB1#8	21.16	21.41	21.7		
	RB1#14	21.27	21.26	21.43		
	RB6#0	20.36	20.59	20.43		
	RB6#9	20.32	20.43	20.27		
	RB15#0	20.34	20.45	20.43		
5MHz QPSK	RB1#0	22.35	22.68	22.55	25.8	30
	RB1#13	22.35	22.55	22.43		
	RB1#24	22.31	22.42	22.26		
	RB15#0	21.39	21.53	21.55		
	RB15#10	21.32	21.39	21.39		
	RB25#0	21.43	21.42	21.56		
5MHz 16QAM	RB1#0	21.38	21.6	21.65	24.77	30
	RB1#13	21.27	21.58	21.48		
	RB1#24	21.25	21.38	21.42		
	RB15#0	20.37	20.48	20.54		
	RB15#10	20.28	20.41	20.45		
	RB25#0	20.32	20.38	20.54		
10MHz QPSK	RB1#0	22.49	22.91	22.47	26.03	30
	RB1#25	22.52	22.78	22.67		
	RB1#49	22.54	22.44	22.36		

	RB25#0	21.45	21.79	21.49		
	RB25#25	21.36	21.4	21.52		
	RB50#0	21.5	21.56	21.52		
10MHz 16QAM	RB1#0	21.17	21.75	21.48	24.98	30
	RB1#25	21.32	21.61	21.86		
	RB1#49	21.32	21.35	21.19		
	RB25#0	20.36	20.67	20.51		
	RB25#25	20.29	20.41	20.52		
	RB50#0	20.36	20.53	20.5		
15MHz QPSK	RB1#0	22.56	22.75	22.28	25.87	30
	RB1#38	22.5	22.48	22.32		
	RB1#74	22.67	22.52	22.2		
	RB36#0	21.31	21.69	21.23		
	RB36#39	21.39	21.38	21.48		
	RB75#0	21.43	21.64	21.38		
15MHz 16QAM	RB1#0	21.36	21.68	21.16	24.8	30
	RB1#38	21.25	21.36	21.36		
	RB1#74	21.46	21.36	21.06		
	RB36#0	20.32	20.62	20.36		
	RB36#39	20.4	20.42	20.48		
	RB75#0	20.34	20.6	20.4		
20MHz QPSK	RB1#0	22.28	22.64	22.3	25.88	30
	RB1#50	22.43	22.76	22.27		
	RB1#99	22.42	22.71	22.17		
	RB50#0	21.33	21.71	21.17		
	RB50#50	21.22	21.35	21.34		
	RB100#0	21.35	21.55	21.19		
20MHz 16QAM	RB1#0	21.24	21.43	21.3	24.61	30
	RB1#50	21.49	21.41	21.29		
	RB1#99	21.36	21.45	21.11		
	RB50#0	20.23	20.58	20.2		
	RB50#50	20.31	20.41	20.42		
	RB100#0	20.27	20.45	20.23		

Note:

EIRP=Conducted Power(dBm) - L_C(dB) + G_T(dBi)

Result:

Pass

Peak-to-average Ratio(PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	3.22	4.38	3.94	13
	RB100#0	4.67	4.78	4.2	13
20MHz 16QAM	RB1#0	4.35	5.33	5.04	13
	RB100#0	5.62	5.8	5.3	13
				Result:	Pass

FCC §2.1049, §27.53:Occupied Bandwidth						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
1.4MHz QPSK	1.102	1.102	1.096	1.35	1.326	1.332
1.4MHz 16QAM	1.108	1.108	1.102	1.338	1.314	1.326
3MHz QPSK	2.695	2.695	2.683	2.964	2.964	2.988
3MHz 16QAM	2.695	2.683	2.683	2.976	2.952	2.964
5MHz QPSK	4.511	4.531	4.511	5.02	5.04	5.02
5MHz 16QAM	4.531	4.511	4.511	5.02	5.04	5
10MHz QPSK	8.942	8.942	8.942	9.8	9.8	9.76
10MHz 16QAM	8.942	8.901	8.942	9.76	9.72	9.68
15MHz QPSK	13.533	13.473	13.413	14.94	14.88	14.82
15MHz 16QAM	13.593	13.473	13.413	15	14.76	14.76
20MHz QPSK	17.964	17.884	17.884	19.6	19.36	19.36
20MHz 16QAM	17.964	17.884	17.884	19.52	19.28	19.28
Note: The test plots please refer to the Plots of Occupied Bandwidth						

FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal	
Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.

FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.

FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	1710.439	1710.00	1779.646	1780
	-20	3.7	1710.441	1710.00	1779.647	1780
	-10	3.7	1710.443	1710.00	1779.643	1780
	0	3.7	1710.438	1710.00	1779.645	1780
	10	3.7	1710.445	1710.00	1779.642	1780
	20	3.7	1710.438	1710.00	1779.642	1780
	30	3.7	1710.434	1710.00	1779.639	1780
	40	3.7	1710.435	1710.00	1779.638	1780
	50	3.7	1710.433	1710.00	1779.639	1780
Frequency Stability vs. Voltage	20	3.4	1710.431	1710.00	1779.639	1780
	20	4.2	1710.437	1710.00	1779.640	1780
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	1710.459	1710.00	1779.645	1780
	-20	3.7	1710.464	1710.00	1779.647	1780
	-10	3.7	1710.461	1710.00	1779.644	1780
	0	3.7	1710.458	1710.00	1779.643	1780
	10	3.7	1710.459	1710.00	1779.642	1780
	20	3.7	1710.458	1710.00	1779.642	1780
	30	3.7	1710.456	1710.00	1779.641	1780
	40	3.7	1710.455	1710.00	1779.638	1780
	50	3.7	1710.458	1710.00	1779.637	1780
Frequency Stability vs. Voltage	20	3.4	1710.456	1710.00	1779.640	1780
	20	4.2	1710.457	1710.00	1779.641	1780
					Result:	Pass

Test Plots:

Occupied Bandwidth

