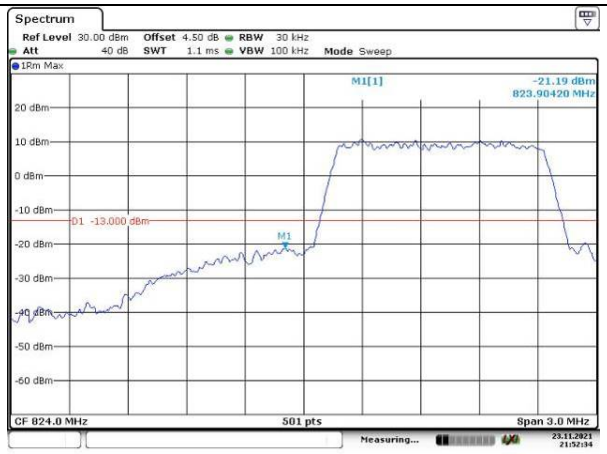
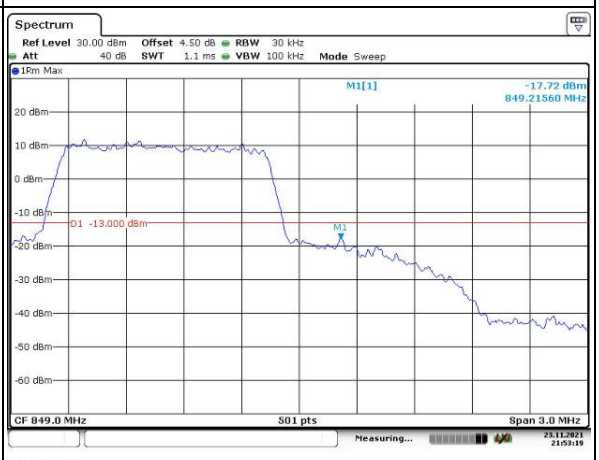
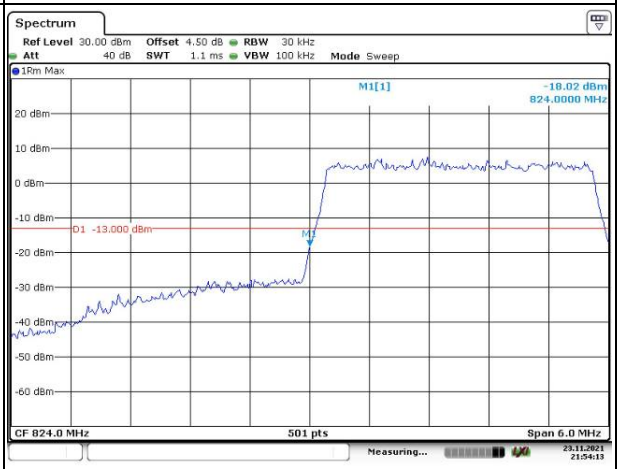
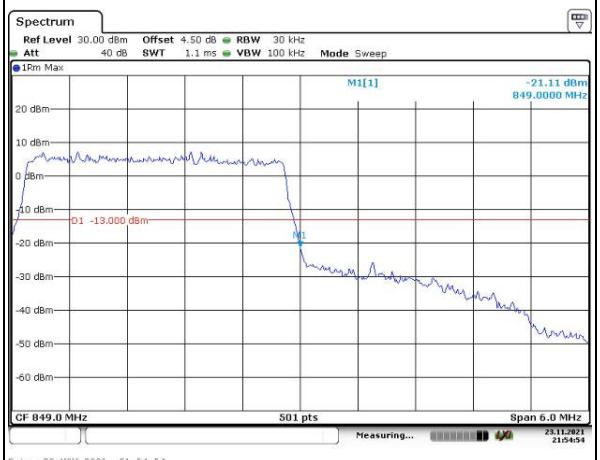
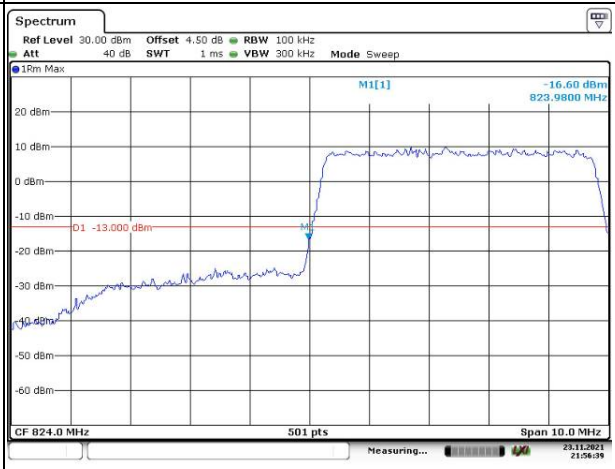
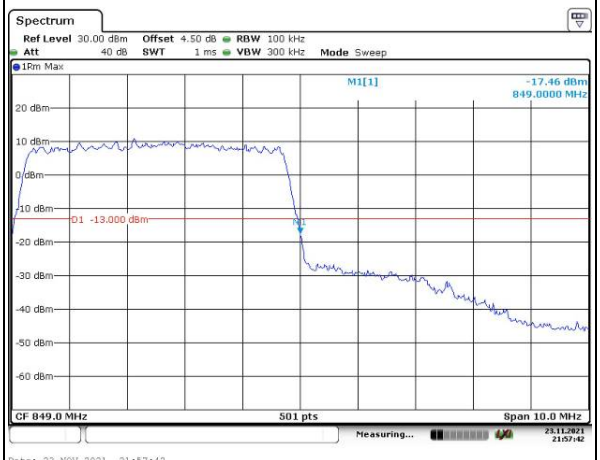
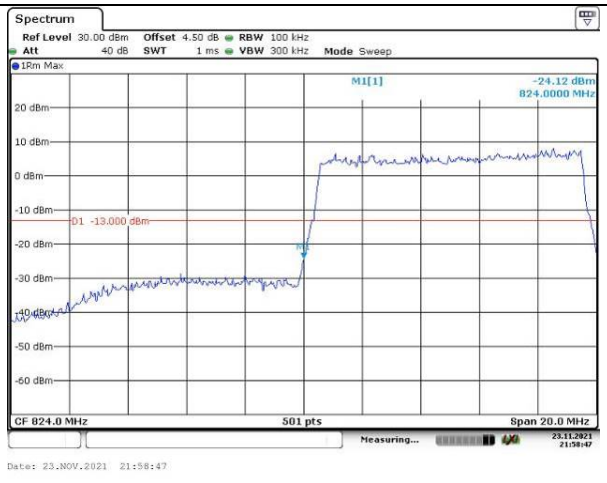
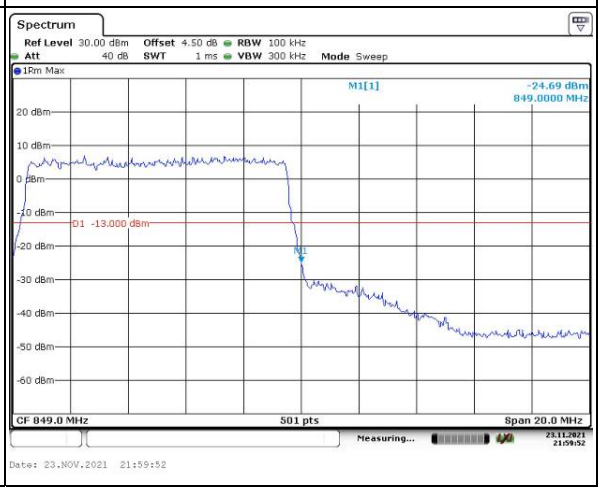
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz		
16QAM 3MHz		
16QAM 5MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 10MHz		

4.8 Antenna Port Test Data and Results for LTE Band 12:

Serial Number:	CR21110014-RF-S1	Test Date:	2021/11/23~2021/11/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	LE Qiao	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	21.2~23.5	Relative Humidity: (%)	40~41	ATM Pressure: (kPa)	101.3~101.7

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021/7/22	2022/7/21
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
R&S	Wideband Radio Communication Tester	CMW500	149218	2021/7/22	2022/7/21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021/7/22	2022/7/22
UNI-T	Multimeter	UT39A+	C210582554	2021/9/30	2022/9/30
E-Microwave	Two-way Spliter	ODP-1-6	OE0120176	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 12▲:					
Antenna Gain (dBi):	3	Antenna Gain (dBd):	0.85	Cable Loss (dB):	0
Operation Voltage(V_{DC}):					
Lowest:	3.5	Normal:	3.7	Highest:	4.2

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	699.7	707.5	715.3
3MHz	700.5	707.5	714.5
5MHz	701.5	707.5	713.5
10MHz	704	707.5	711

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		
1.4MHz QPSK	RB1#0	20.71	21.02	21.04	22.02	34.77
	RB1#3	20.69	21.08	21.09		
	RB1#5	20.70	21.04	21.08		
	RB3#0	20.80	21.15	21.17		
	RB3#3	20.82	21.05	21.12		
	RB6#0	19.83	20.08	20.15		
1.4MHz 16QAM	RB1#0	19.30	20.60	20.87	21.73	34.77
	RB1#3	19.32	20.57	20.88		
	RB1#5	19.28	20.54	20.85		
	RB3#0	19.84	20.17	19.97		
	RB3#3	19.85	20.18	20.00		
	RB6#0	19.09	19.32	19.49		
3MHz QPSK	RB1#0	20.74	21.05	20.99	21.99	34.77
	RB1#8	20.67	21.02	21.03		
	RB1#14	21.01	21.05	21.14		
	RB6#0	19.87	20.17	20.07		
	RB6#9	20.02	20.09	20.15		
	RB15#0	19.81	19.98	20.05		
3MHz 16QAM	RB1#0	20.15	20.90	19.73	21.75	34.77
	RB1#8	20.08	20.76	19.72		
	RB1#14	20.30	20.72	19.87		
	RB6#0	19.83	19.15	19.69		
	RB6#9	19.36	19.19	19.67		
	RB15#0	19.92	19.16	19.42		
5MHz QPSK	RB1#0	20.76	21.05	20.51	21.98	34.77
	RB1#13	21.00	21.13	20.96		
	RB1#24	21.00	21.06	21.00		
	RB15#0	19.83	20.11	20.04		
	RB15#10	20.03	20.09	20.12		
	RB25#0	20.07	20.12	20.06		
5MHz 16QAM	RB1#0	19.89	20.11	19.66	21.05	34.77
	RB1#13	19.55	20.10	19.76		
	RB1#24	19.58	20.07	19.79		
	RB15#0	20.20	19.98	19.58		
	RB15#10	19.13	19.98	19.51		

	RB25#0	19.88	19.17	19.42		
10MHz QPSK	RB1#0	20.70	20.95	21.24	22.09	34.77
	RB1#25	20.95	21.01	20.93		
	RB1#49	20.97	20.96	21.21		
	RB25#0	20.04	20.08	20.04		
	RB25#25	20.10	20.02	20.03		
	RB50#0	20.12	20.09	20.06		
10MHz 16QAM	RB1#0	19.85	20.25	19.64	21.2	34.77
	RB1#25	20.17	20.35	19.58		
	RB1#49	20.10	20.21	19.74		
	RB25#0	19.66	19.15	19.19		
	RB25#25	19.54	19.50	19.62		
	RB50#0	19.51	19.18	19.46		
Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(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	6.84	6.09	4.32	13
	RB50#0	5.07	4.99	5.88	13
10MHz 16QAM	RB1#0	7.36	7.19	5.25	13
	RB50#0	6.06	6.06	6.61	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	1.102	1.254	1.248	1.260
1.4MHz 16QAM	1.102	1.108	1.096	1.260	1.254	1.254
3MHz QPSK	2.695	2.695	2.695	3.000	3.012	3.000
3MHz 16QAM	2.695	2.683	2.695	3.012	3.000	3.024
5MHz QPSK	4.511	4.511	4.531	5.000	4.960	5.000
5MHz 16QAM	4.531	4.491	4.551	5.020	4.940	5.040
10MHz QPSK	8.901	8.901	9.022	9.680	9.520	9.840
10MHz 16QAM	8.901	8.901	9.022	9.600	9.600	9.920
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.**

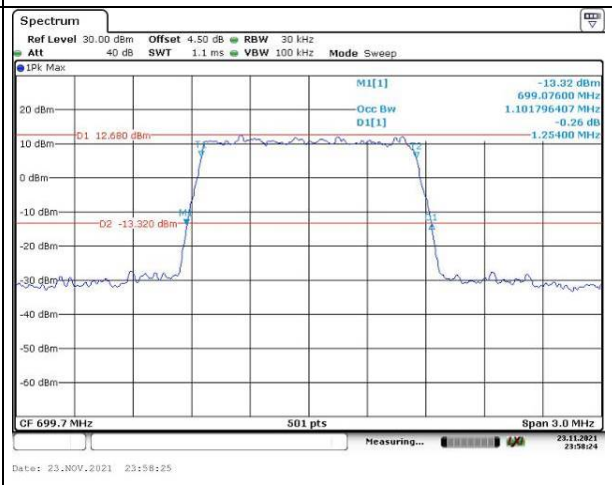
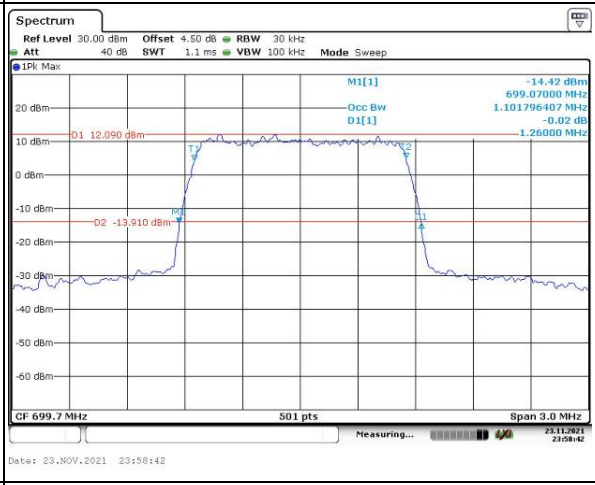
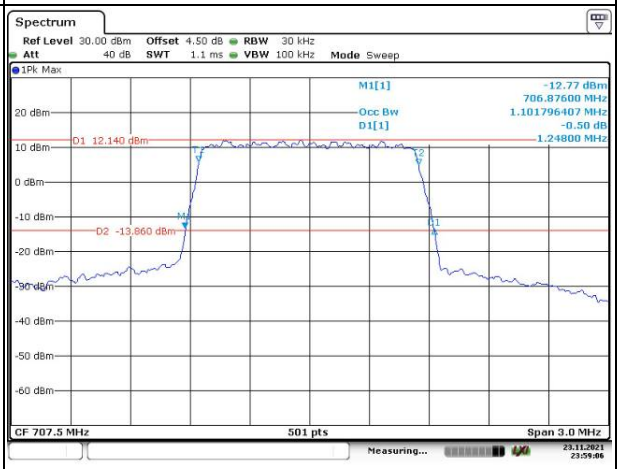
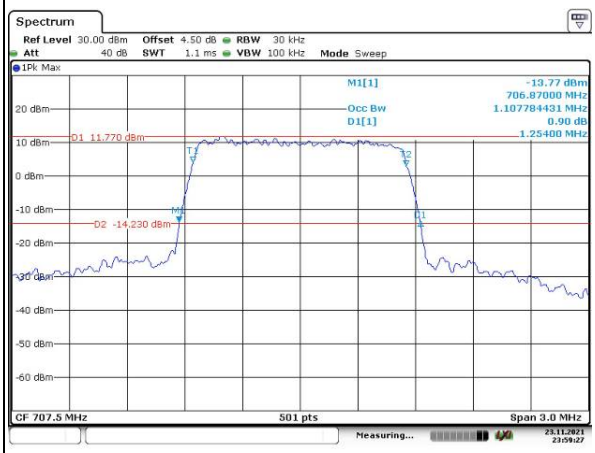
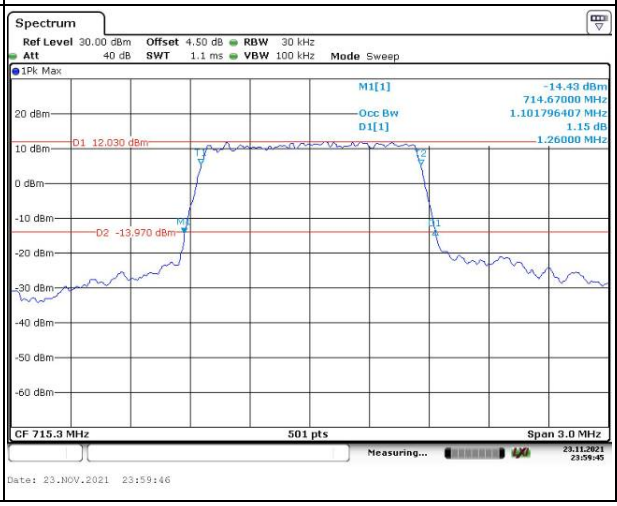
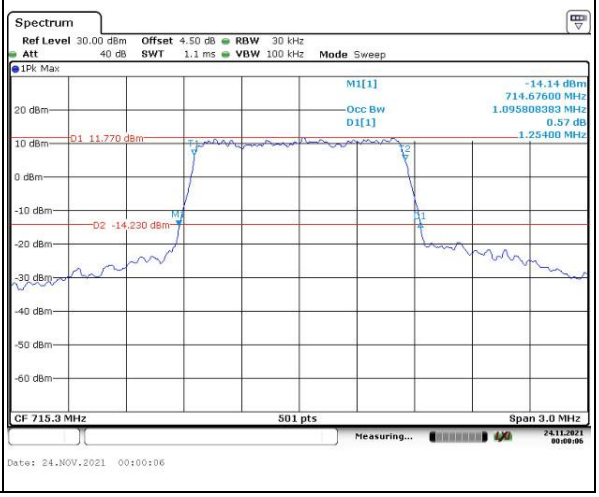
FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

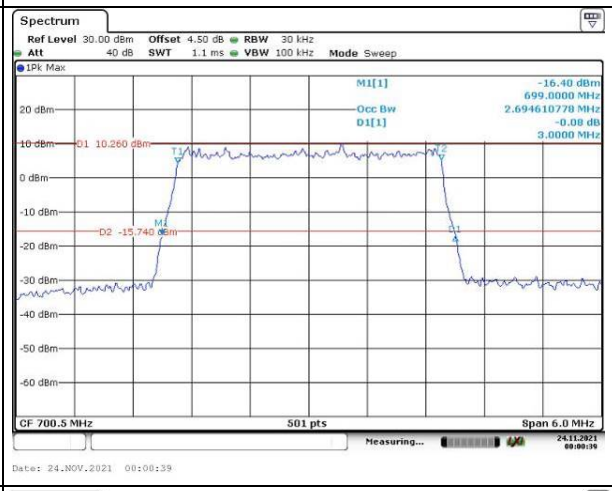
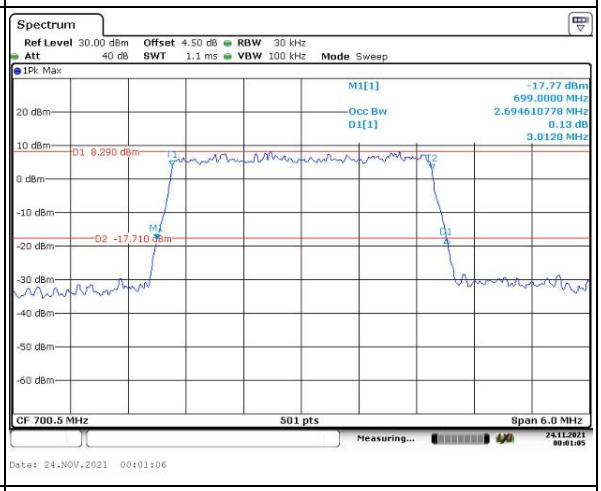
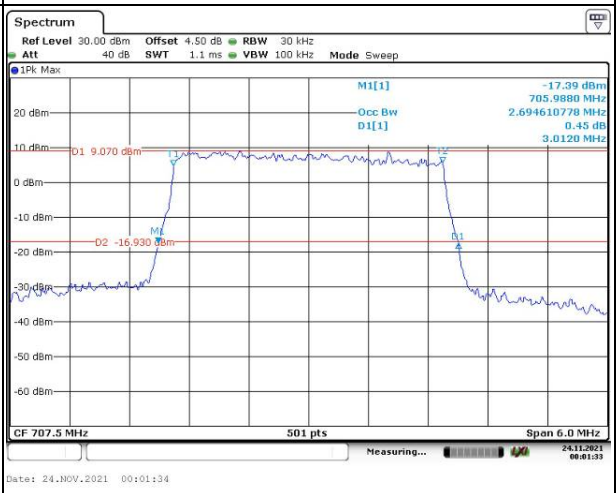
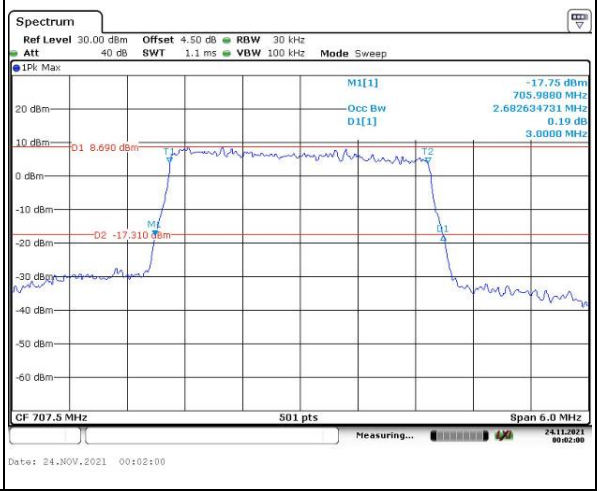
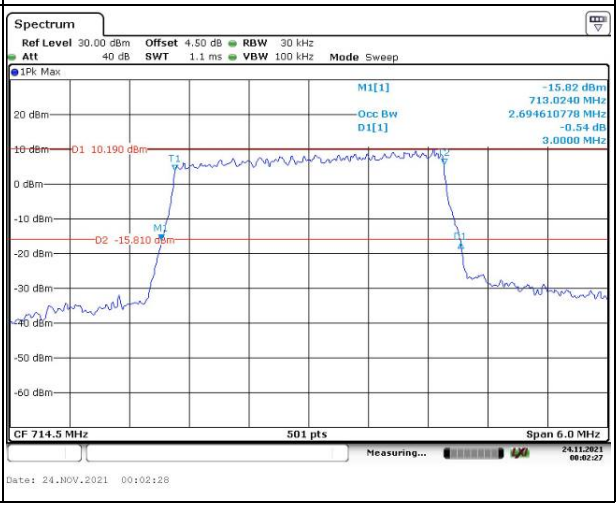
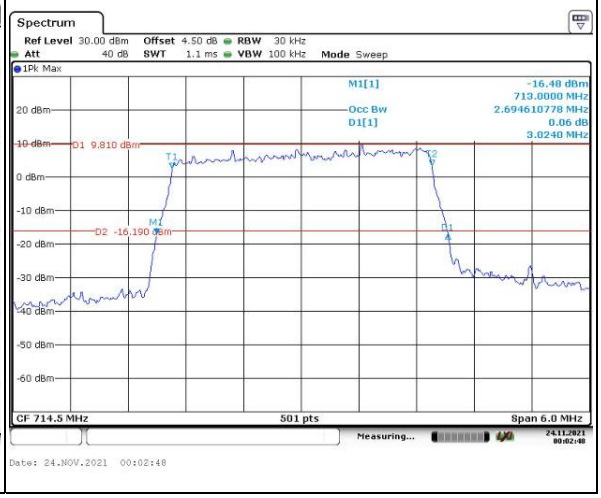
FCC §2.1055, §27.54: Frequency Stability

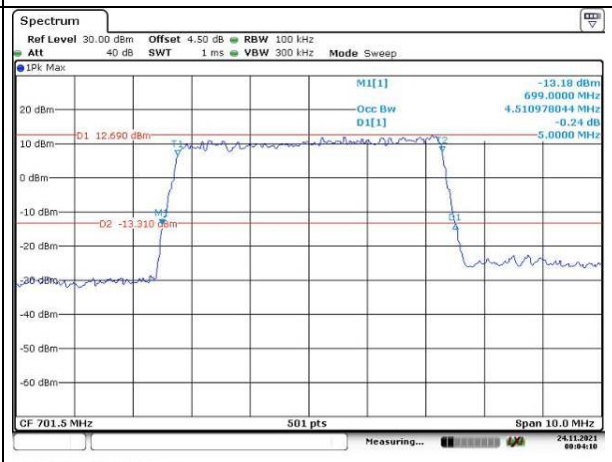
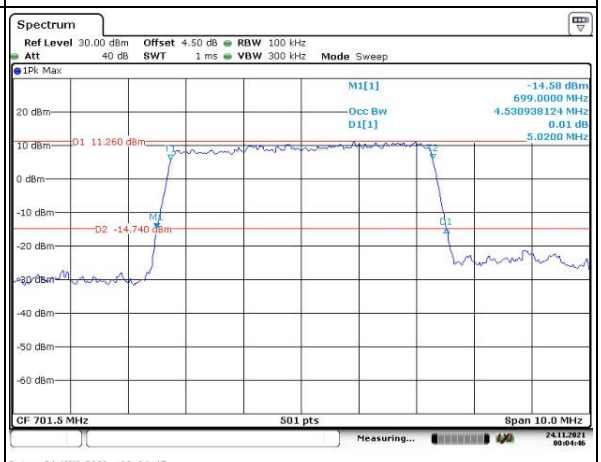
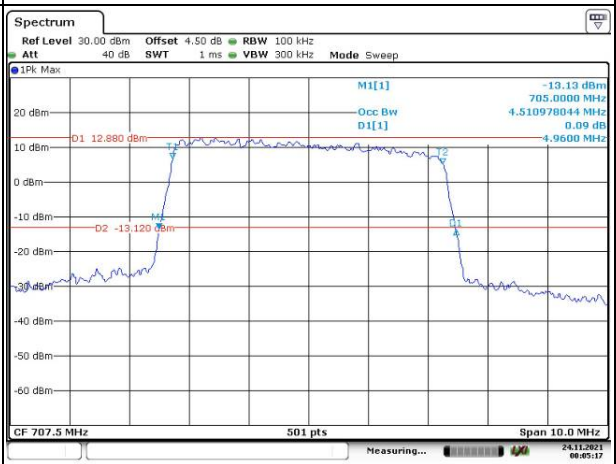
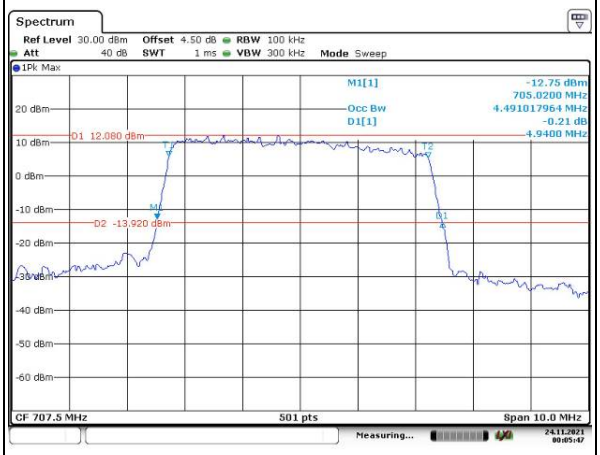
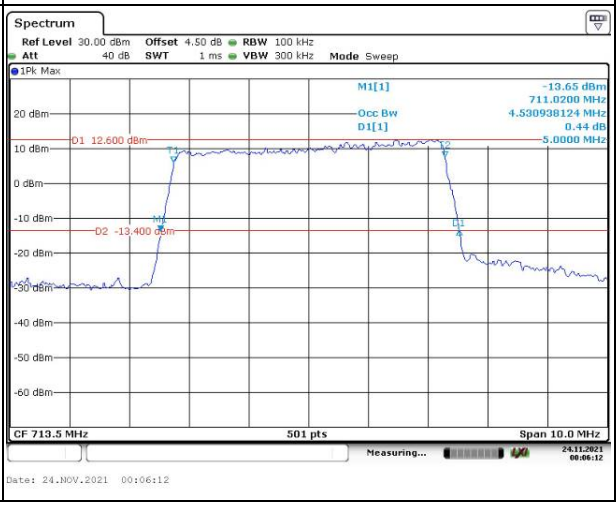
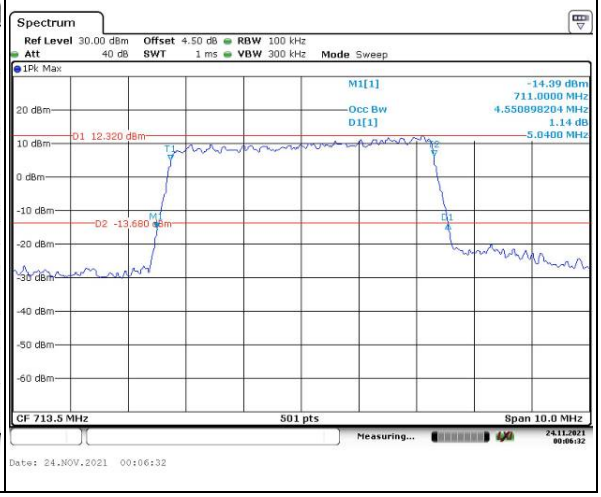
Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	699.567	699.00	715.511	716.00
	-20	3.7	699.568	699.00	715.512	716.00
	-10	3.7	699.568	699.00	715.514	716.00
	0	3.7	699.566	699.00	715.515	716.00
	10	3.7	699.565	699.00	715.516	716.00
	20	3.7	699.569	699.00	715.511	716.00
	30	3.7	699.566	699.00	715.514	716.00
	40	3.7	699.564	699.00	715.518	716.00
	50	3.7	699.563	699.00	715.519	716.00
Frequency Stability vs. Voltage	20	3.5	699.562	699.00	715.510	716.00
	20	4.2	699.563	699.00	715.511	716.00
					Result:	**Pass**

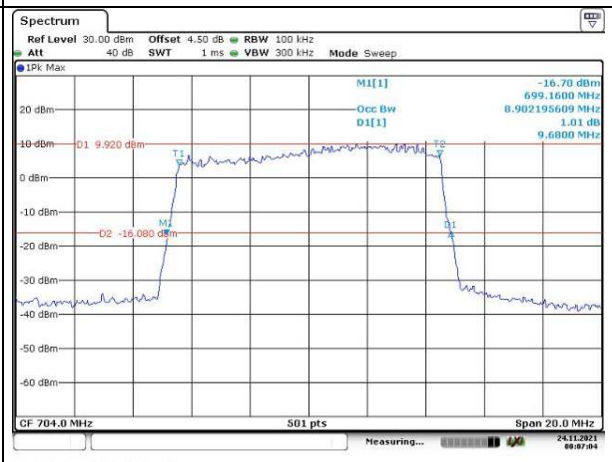
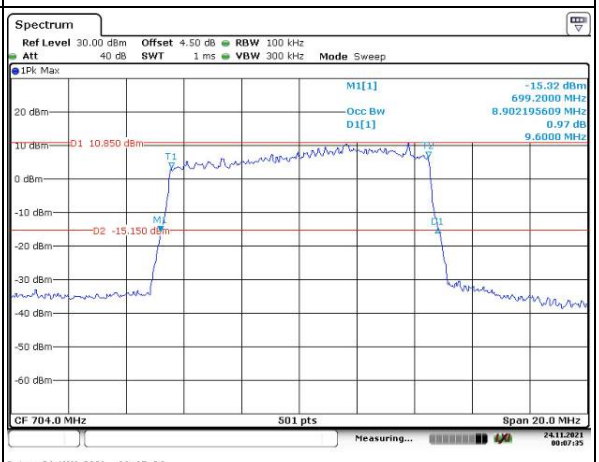
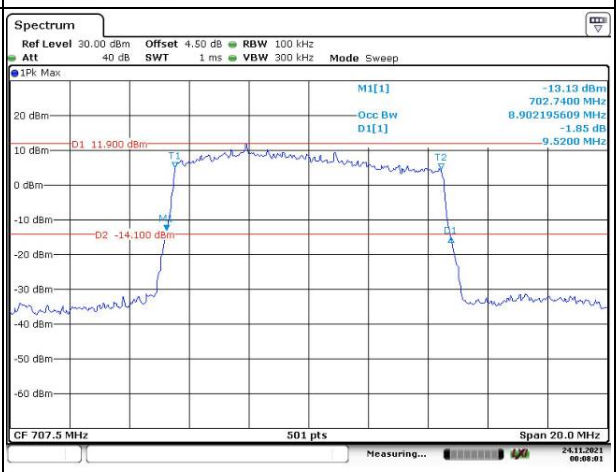
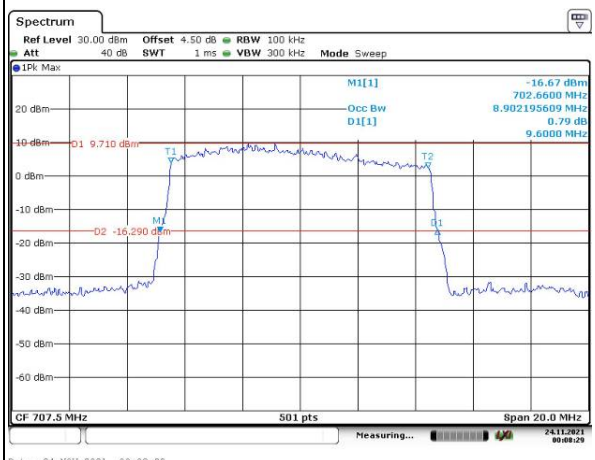
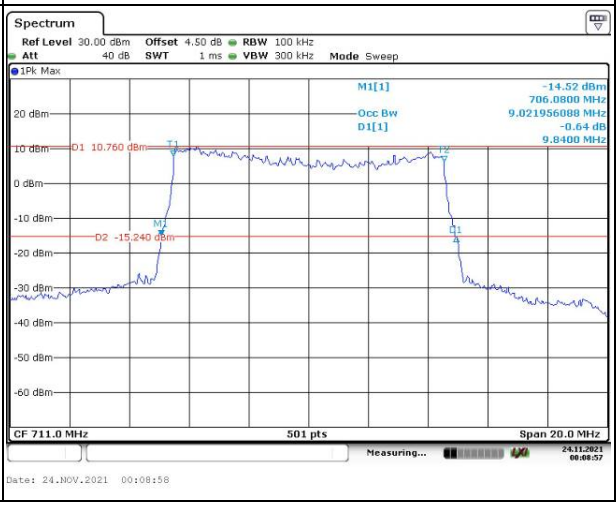
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	699.608	699.00	715.511	716.00
	-20	3.7	699.605	699.00	715.515	716.00
	-10	3.7	699.602	699.00	715.514	716.00
	0	3.7	699.606	699.00	715.513	716.00
	10	3.7	699.605	699.00	715.512	716.00
	20	3.7	699.609	699.00	715.511	716.00
	30	3.7	699.604	699.00	715.517	716.00
	40	3.7	699.607	699.00	715.518	716.00
	50	3.7	699.606	699.00	715.519	716.00
Frequency Stability vs. Voltage	20	3.5	699.606	699.00	715.519	716.00
	20	4.2	699.608	699.00	715.511	716.00
					Result:	**Pass**

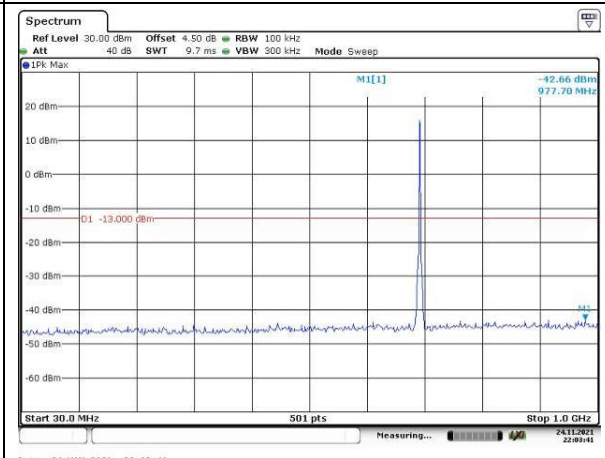
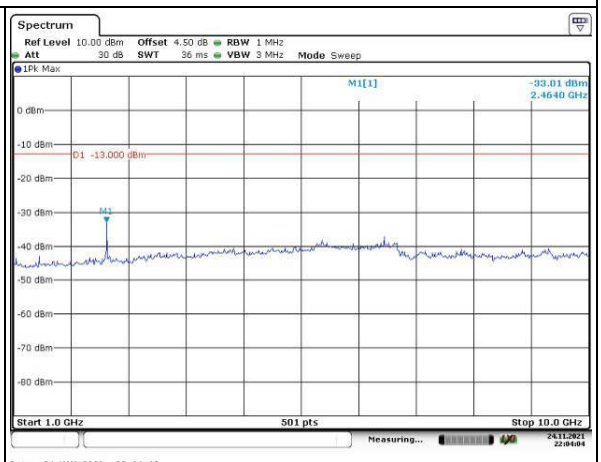
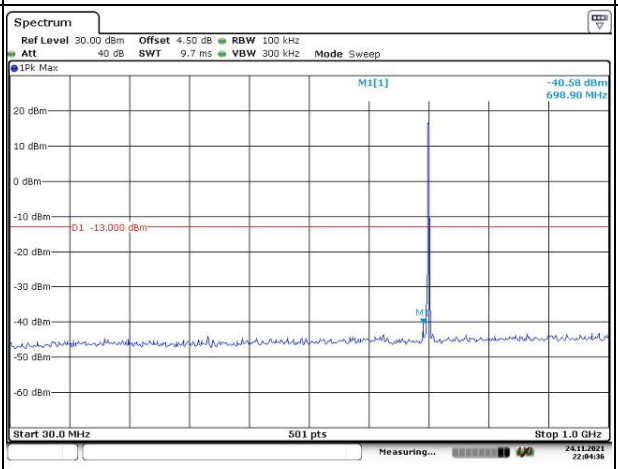
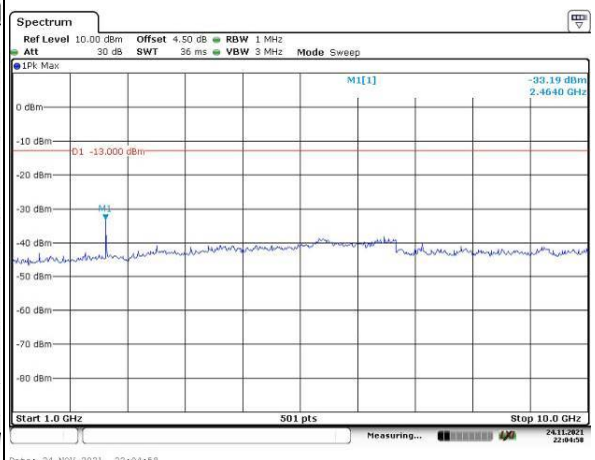
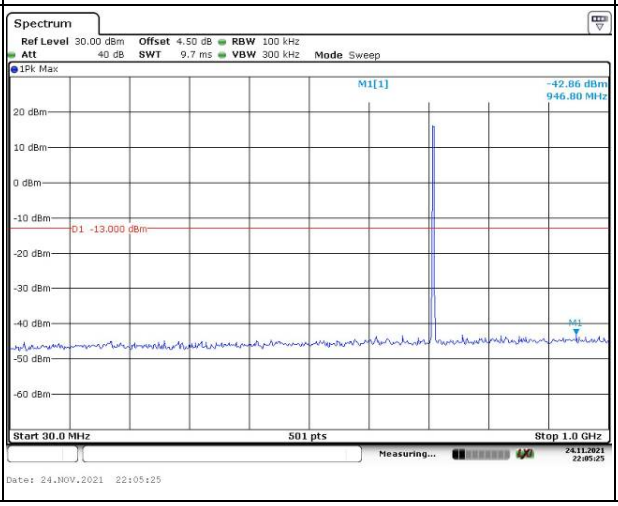
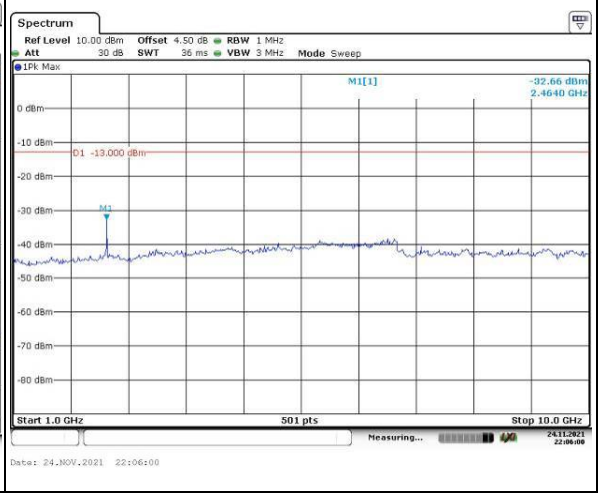
Test Plots:

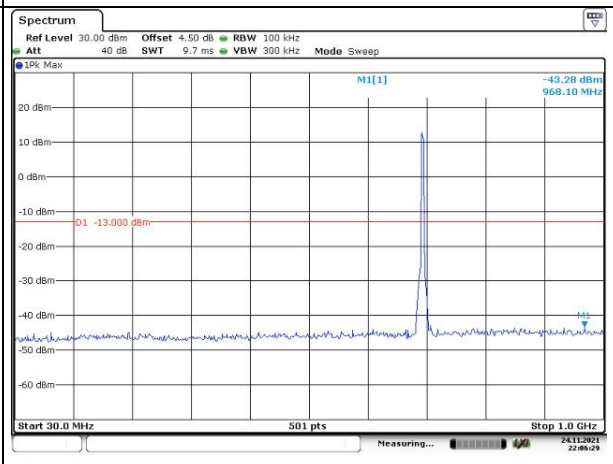
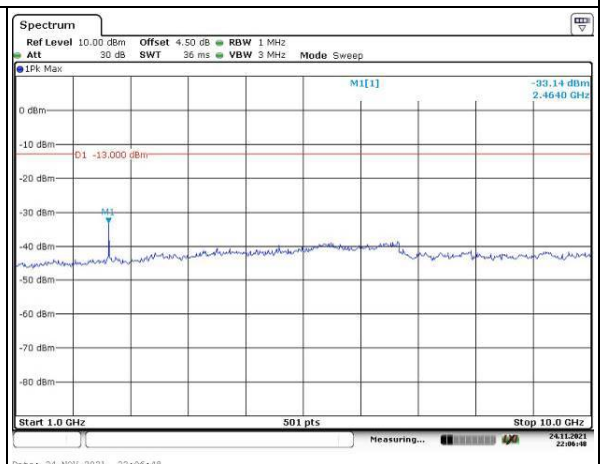
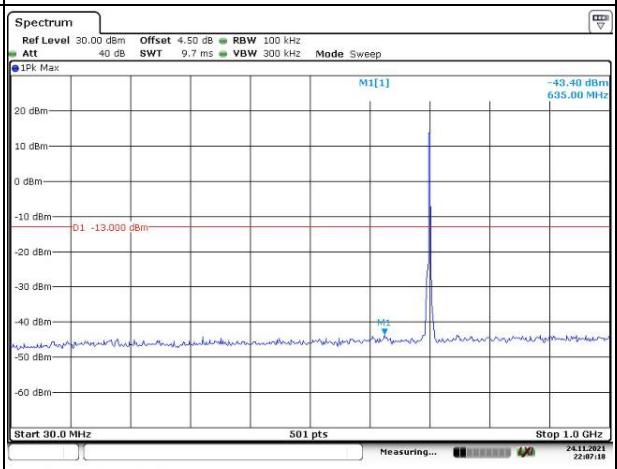
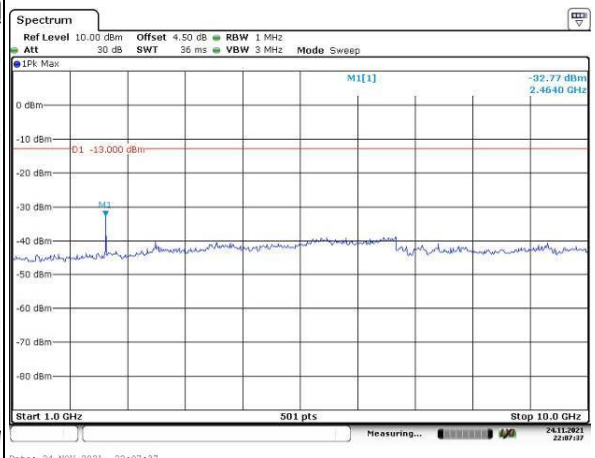
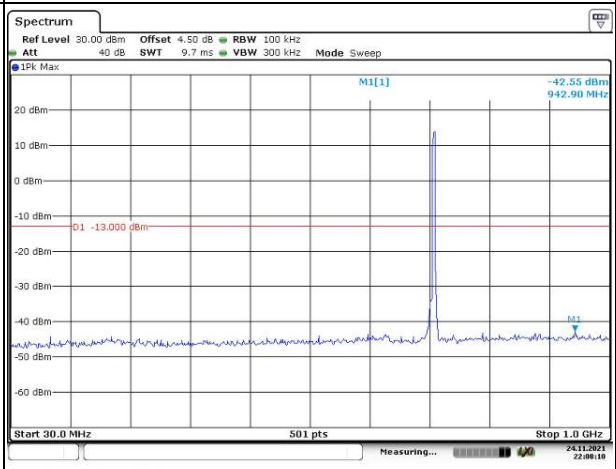
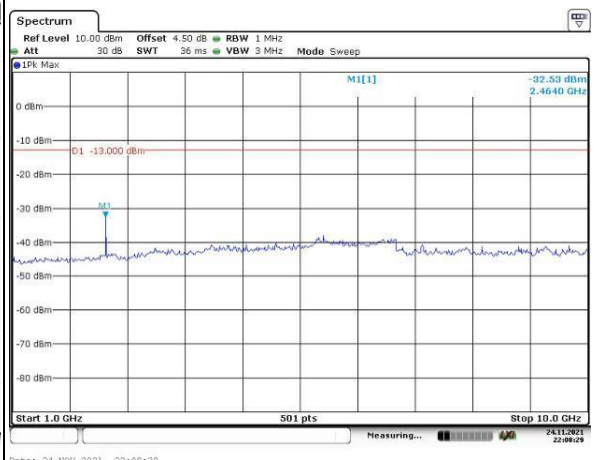
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

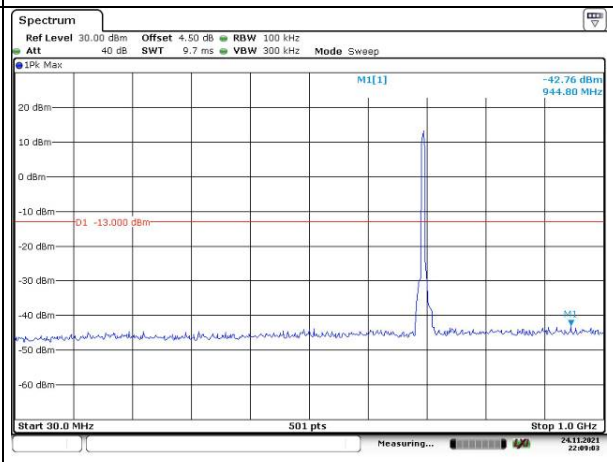
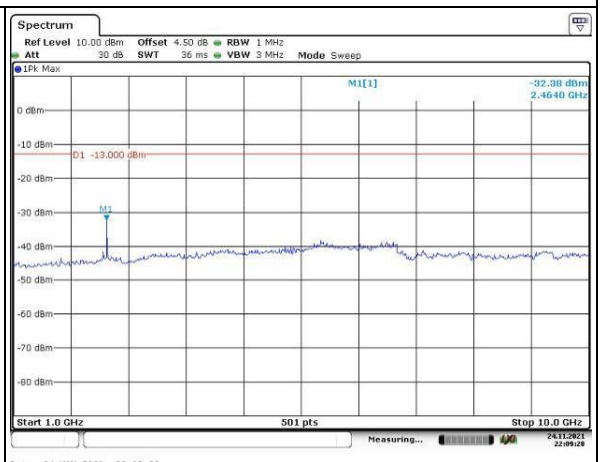
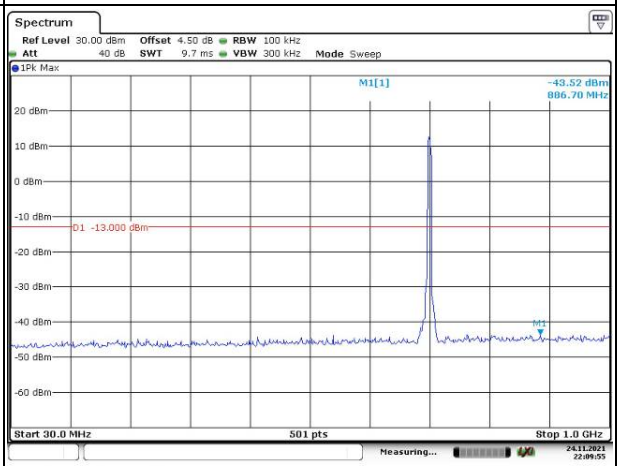
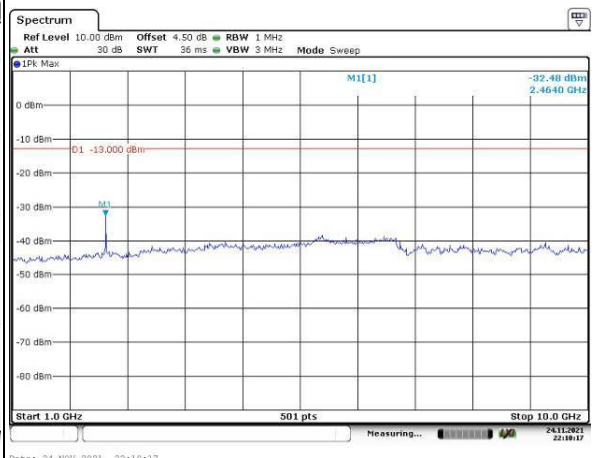
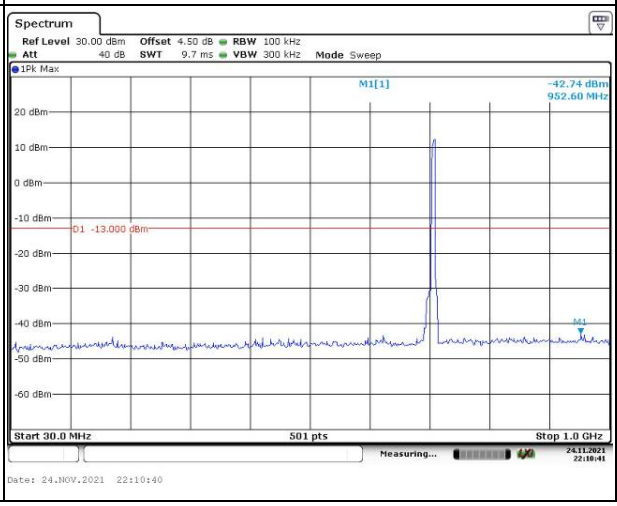
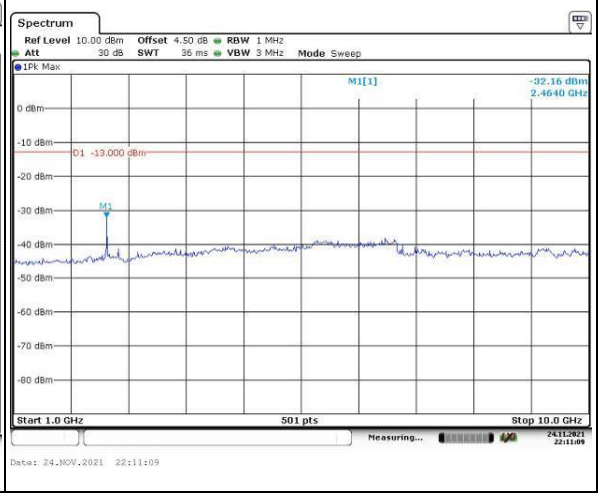
Occupied Bandwidth		
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

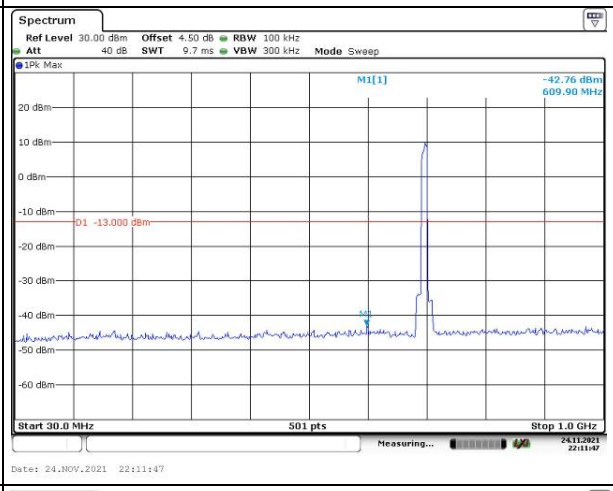
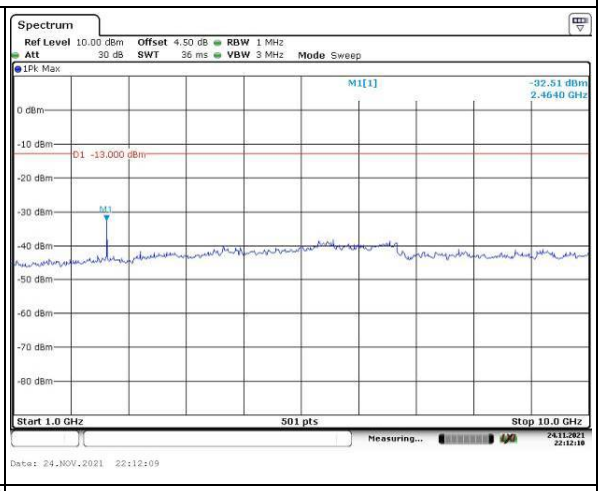
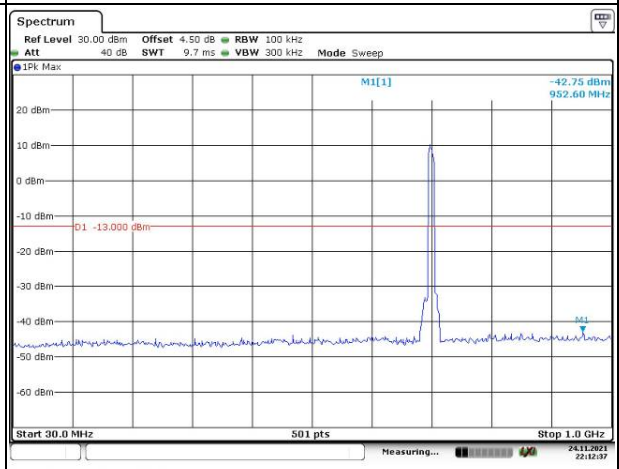
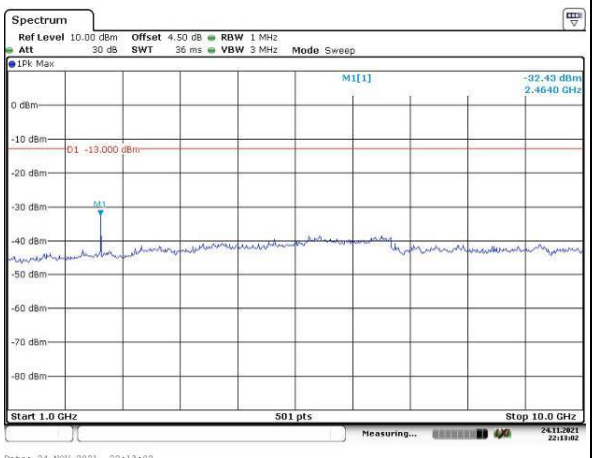
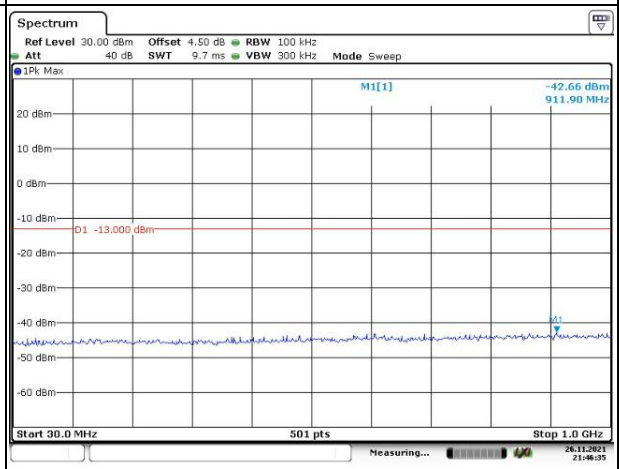
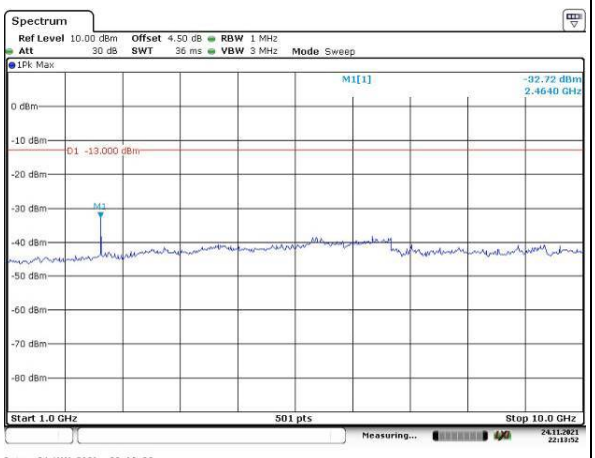
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

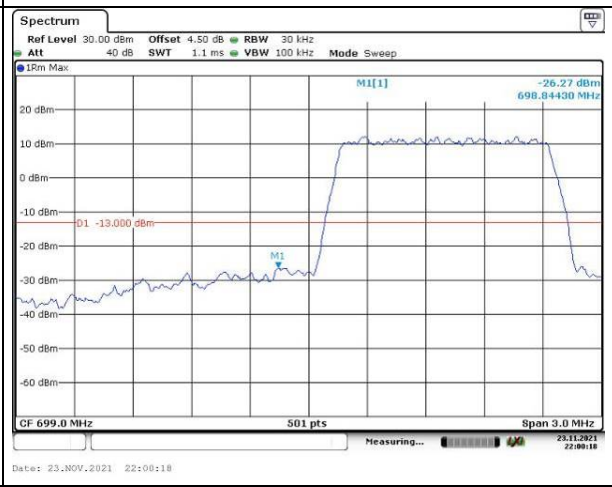
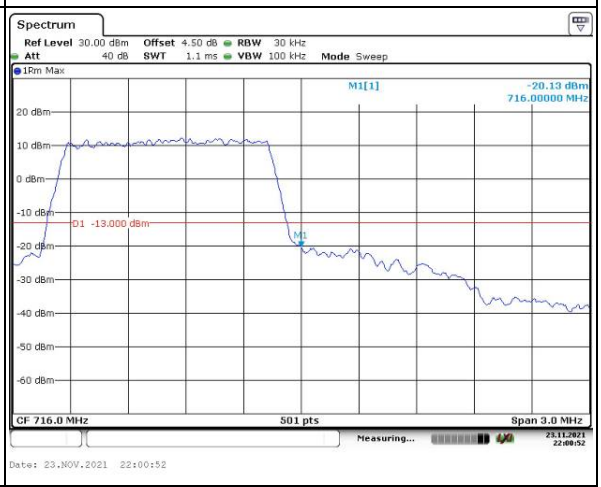
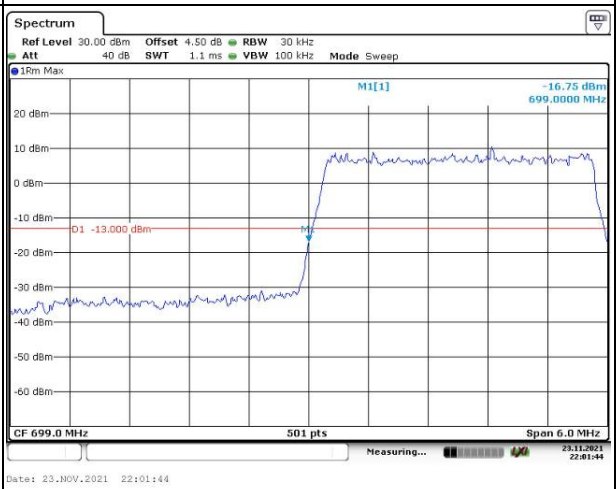
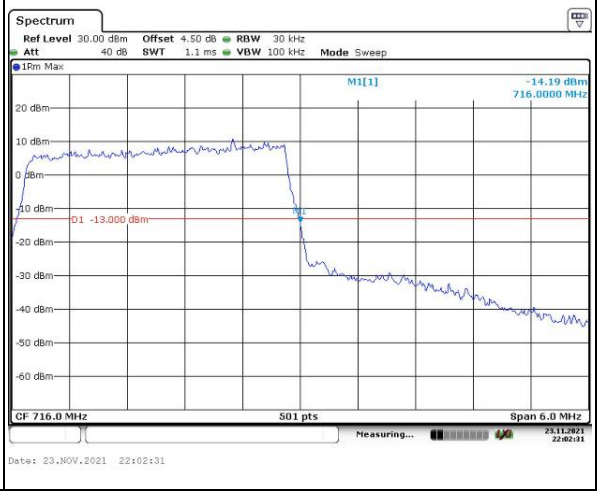
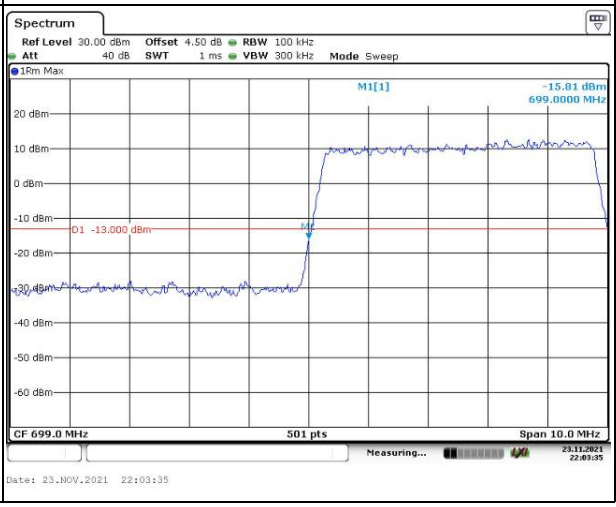
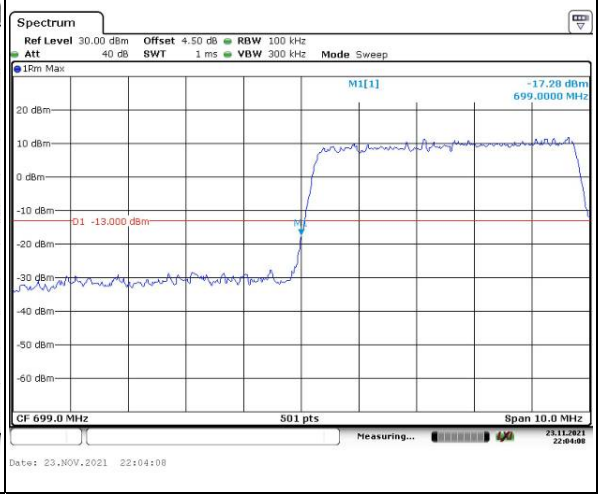
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

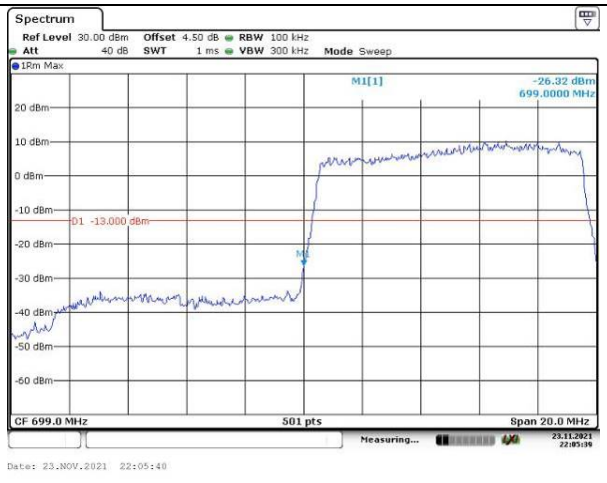
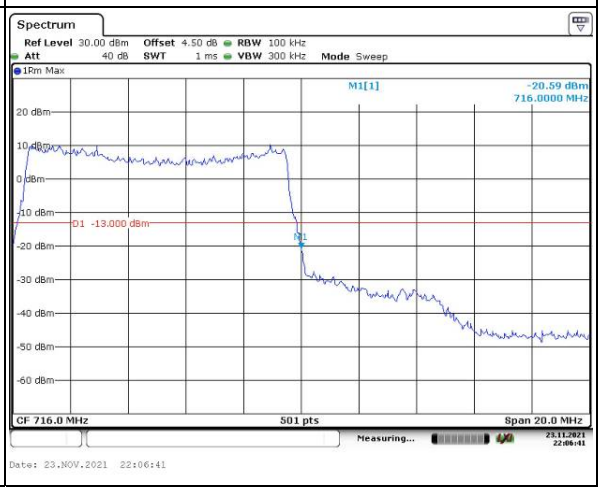
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

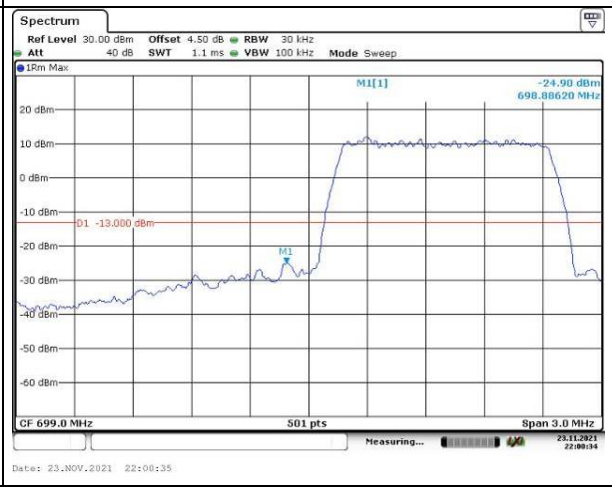
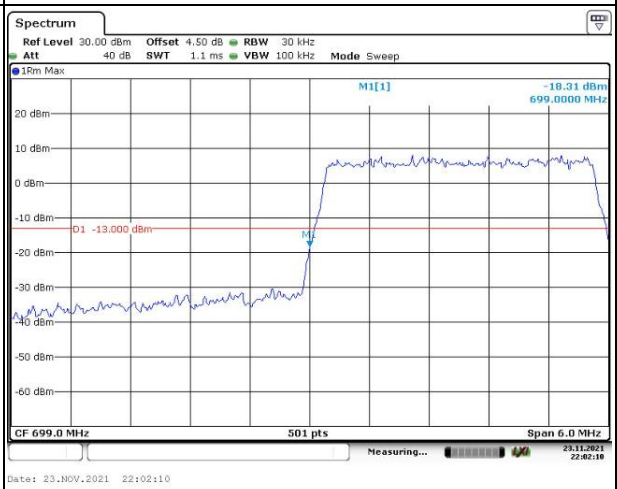
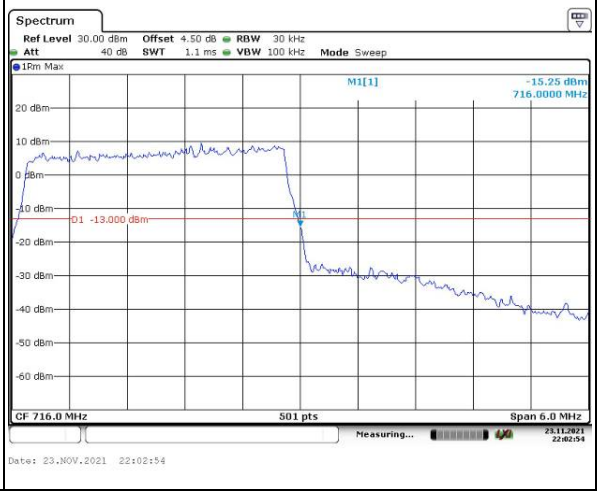
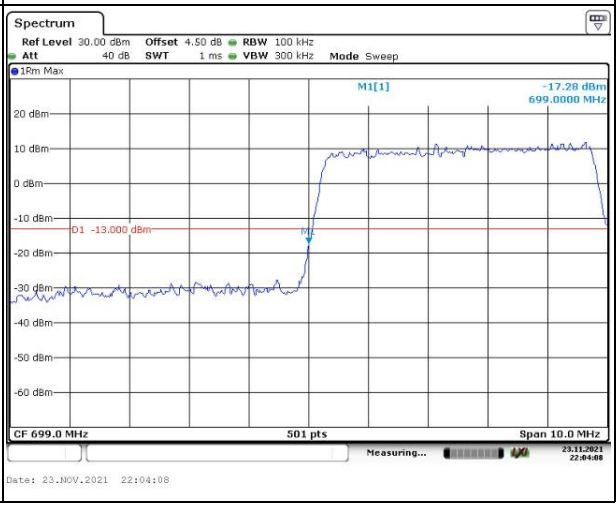
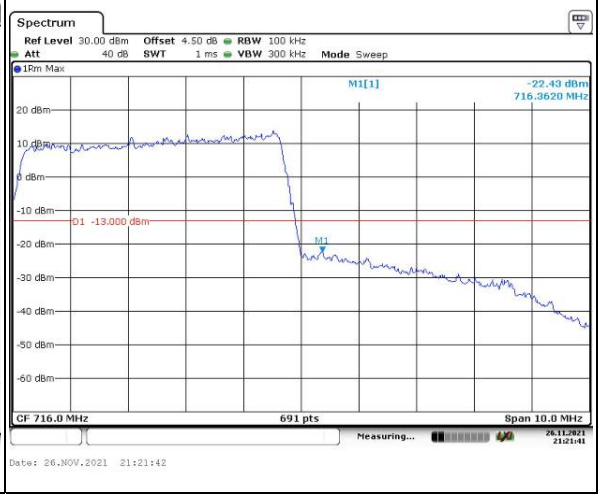
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

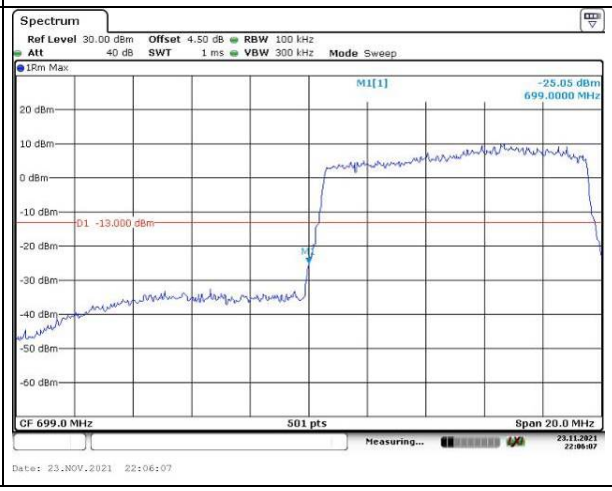
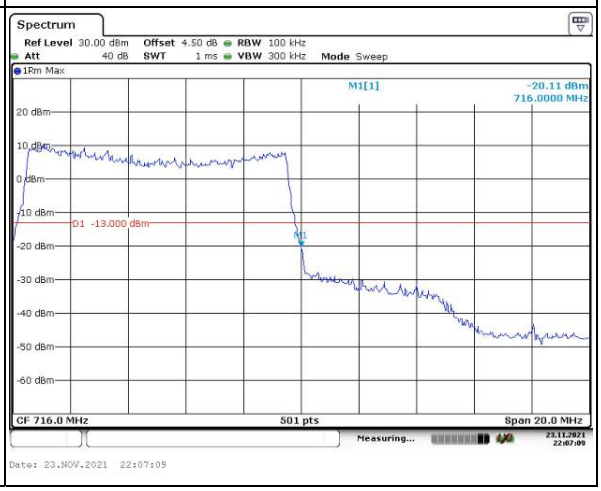
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 1.4MHz		
QPSK 3MHz		
QPSK 5MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 10MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz		
16QAM 3MHz		
16QAM 5MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 10MHz		

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

Serial Number:	CR21110014-RF-S1	Test Date:	2021/11/23~2021/12/27
Test Site:	RF	Test Mode:	Transmitting
Tester:	LE Qiao	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	21.2~24.9	Relative Humidity: (%)	41~60	ATM Pressure: (kPa)	101.3~101.7

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021/7/22	2022/7/21
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
R&S	Wideband Radio Communication Tester	CMW500	149218	2021/7/22	2022/7/21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021/7/22	2022/7/22
UNI-T	Multimeter	UT39A+	C210582554	2021/9/30	2022/9/30
E-Microwave	Two-way Spliter	ODP-1-6	OE0120176	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 (dBi):	3	Antenna Gain (dBd):	0.85	Cable Loss (dB):	0
Operation Voltage(V_{DC}):					
Lowest:	3.5	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	/
Per ANSI C63.25, only Lowest/Highest Channel was tested for the operation frequency range less than 10MHz.			

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	21.04	/	20.98	22.05	34.77
	RB1#13	21.10	/	21.01		
	RB1#24	21.06	/	20.99		
	RB15#0	20.19	/	20.05		
	RB15#10	20.09	/	20.12		
	RB25#0	20.16	/	20.05		
5MHz 16QAM	RB1#0	19.47	/	19.74	21.07	34.77
	RB1#13	19.38	/	19.74		
	RB1#24	19.34	/	19.84		
	RB15#0	19.34	/	19.19		
	RB15#10	19.44	/	19.17		
	RB25#0	19.45	/	19.04		
10MHz QPSK	RB1#0	/	21.07	/	21.92	34.77
	RB1#25	/	20.98	/		
	RB1#49	/	21.04	/		
	RB25#0	/	20.16	/		
	RB25#25	/	20.06	/		
	RB50#0	/	20.12	/		
10MHz 16QAM	RB1#0	/	20.33	/	21.18	34.77
	RB1#25	/	20.21	/		
	RB1#49	/	20.28	/		
	RB25#0	/	19.48	/		
	RB25#25	/	19.56	/		
	RB50#0	/	19.57	/		
Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(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	/	4.72	/	13
	RB50#0	/	4.96	/	13
10MHz 16QAM	RB1#0	/	5.36	/	13
	RB50#0	/	5.97	/	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	4.551	/	4.451	5.040	/	4.900
5MHz 16QAM	4.531	/	4.471	5.040	/	4.940
10MHz QPSK	/	8.942	/	/	9.56	/
10MHz 16QAM	/	8.942	/	/	9.6	/
Note: The test plots please refer to the Plots of Occupied Bandwidth						

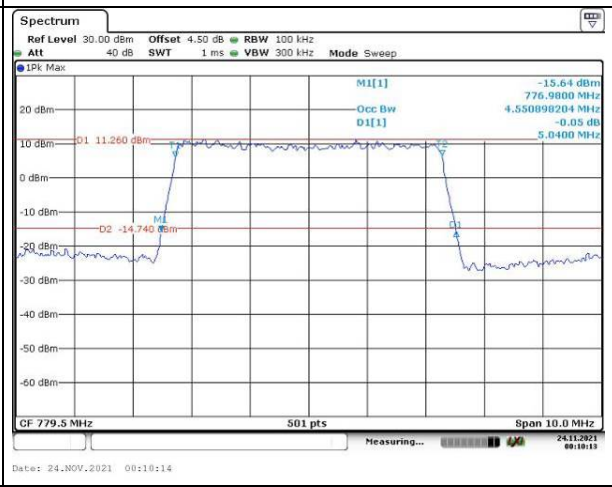
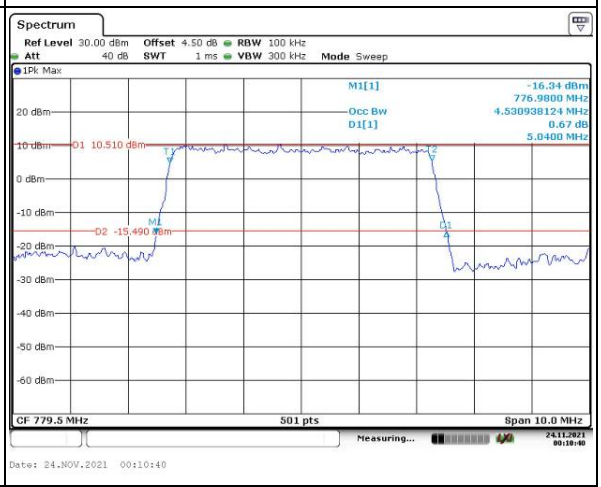
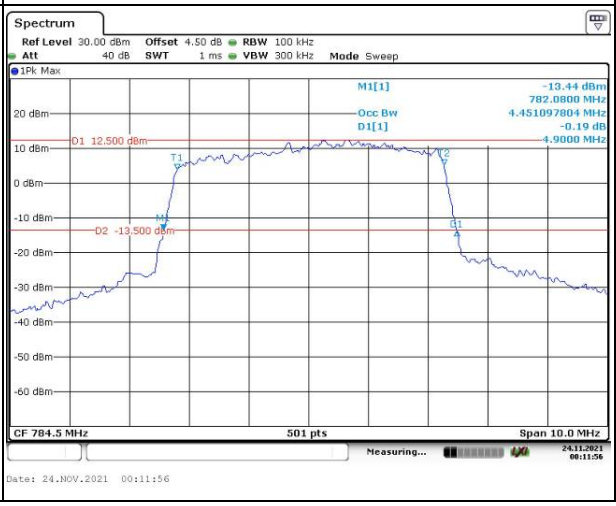
FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

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.**

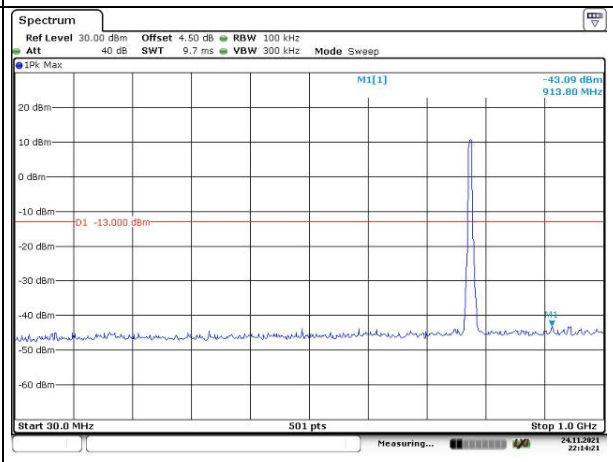
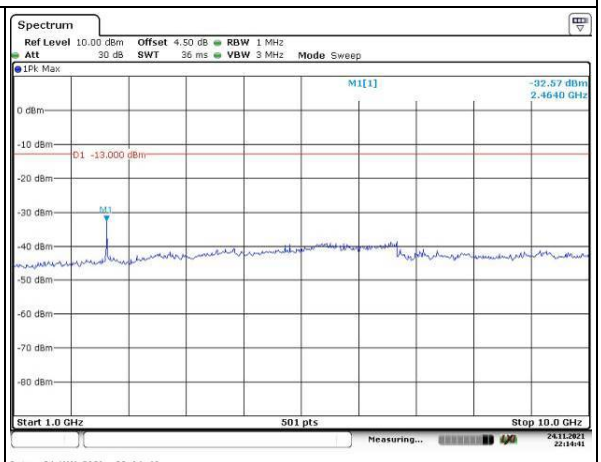
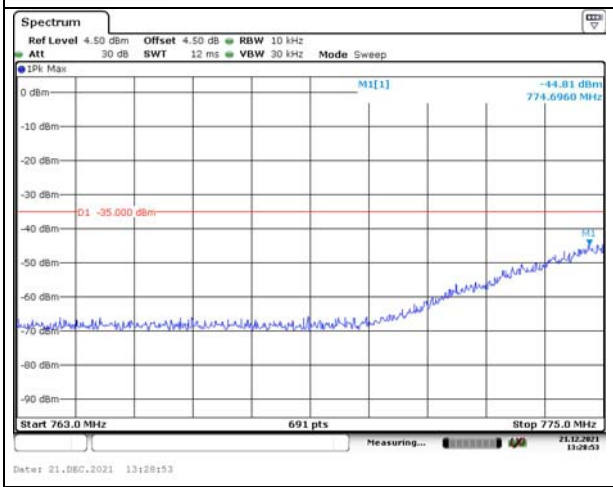
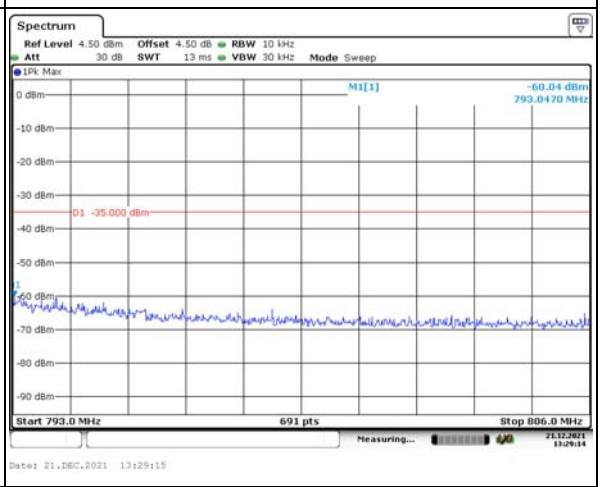
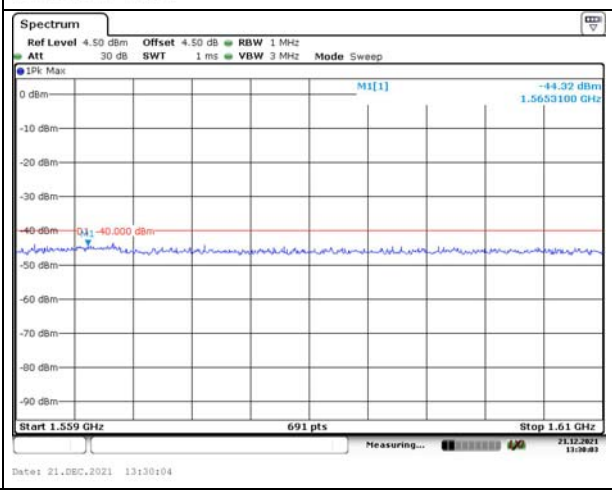
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	777.543	777.00	786.488	787.00
	-20	3.7	777.544	777.00	786.487	787.00
	-10	3.7	777.545	777.00	786.485	787.00
	0	3.7	777.547	777.00	786.481	787.00
	10	3.7	777.546	777.00	786.485	787.00
	20	3.7	777.542	777.00	786.487	787.00
	30	3.7	777.541	777.00	786.485	787.00
	40	3.7	777.547	777.00	786.486	787.00
	50	3.7	777.545	777.00	786.484	787.00
Frequency Stability vs. Voltage	20	3.5	777.541	777.00	786.481	787.00
	20	4.2	777.549	777.00	786.486	787.00
					Result:	**Pass**

Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	777.549	777.00	786.486	787.00
	-20	3.7	777.544	777.00	786.481	787.00
	-10	3.7	777.546	777.00	786.482	787.00
	0	3.7	777.544	777.00	786.483	787.00
	10	3.7	777.541	777.00	786.489	787.00
	20	3.7	777.543	777.00	786.486	787.00
	30	3.7	777.544	777.00	786.487	787.00
	40	3.7	777.546	777.00	786.483	787.00
	50	3.7	777.546	777.00	786.487	787.00
Frequency Stability vs. Voltage	20	3.5	777.543	777.00	786.485	787.00
	20	4.2	777.548	777.00	786.489	787.00
					Result:	**Pass**

Test Plots:

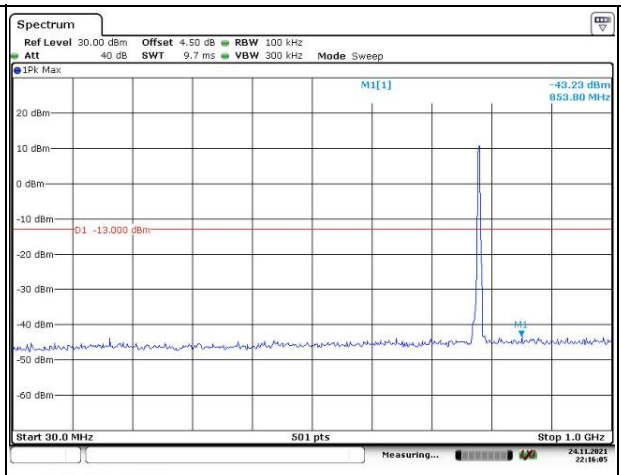
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Highest		

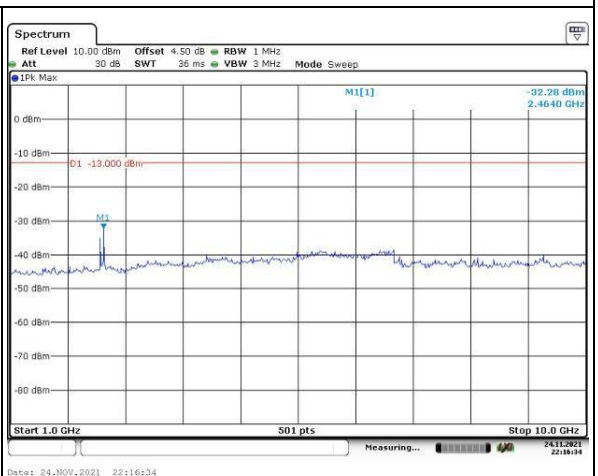
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Middle		

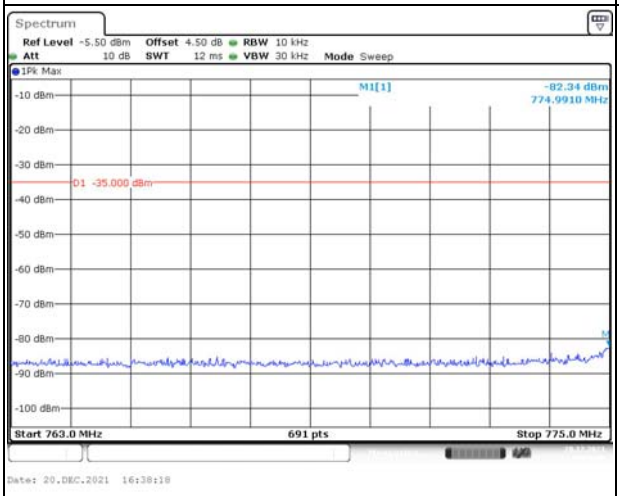
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
		
		

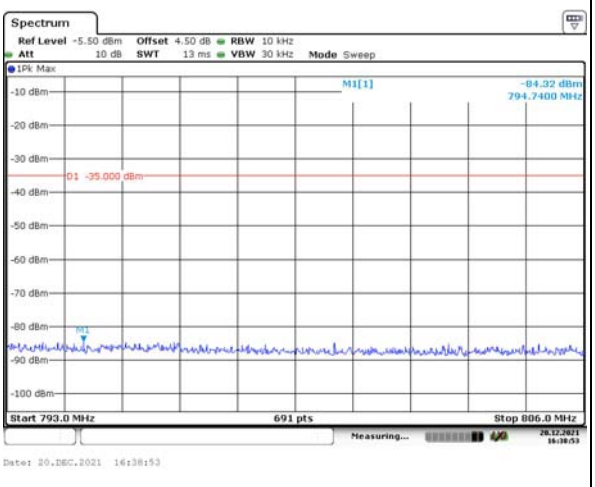
Spurious Emissions at Antenna Terminal

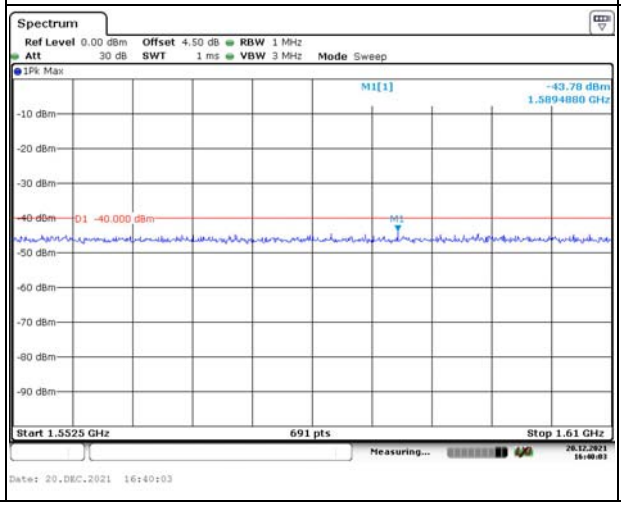
Highest

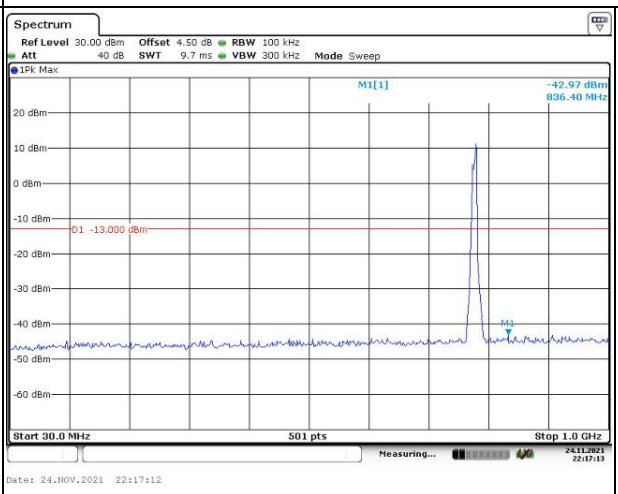
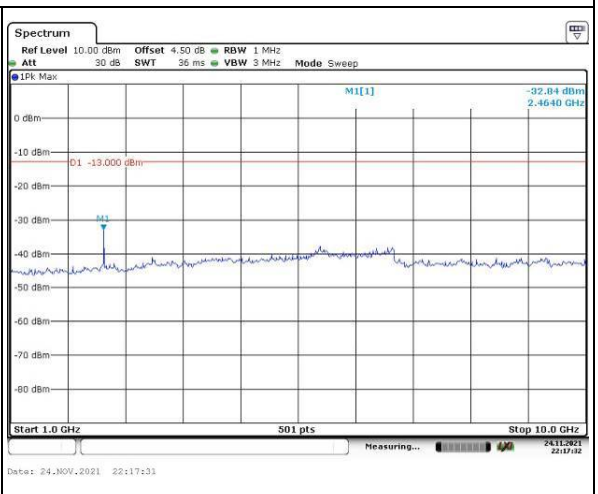
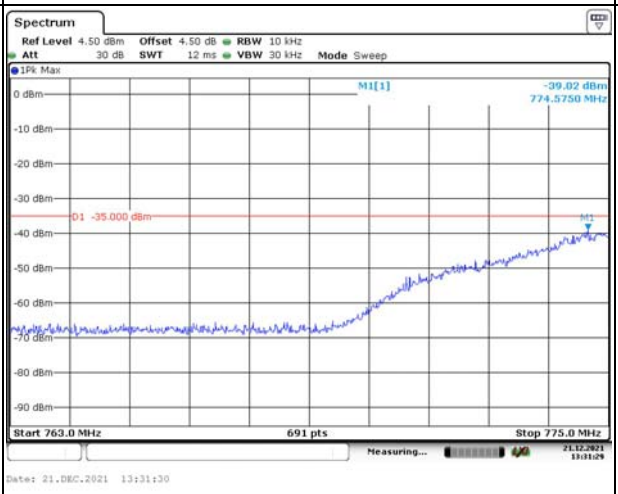
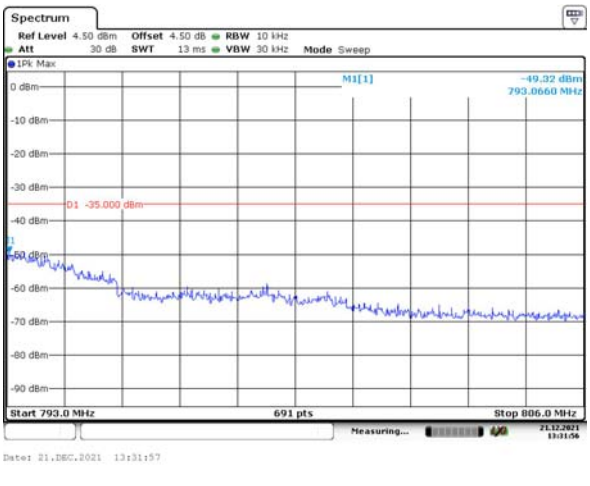
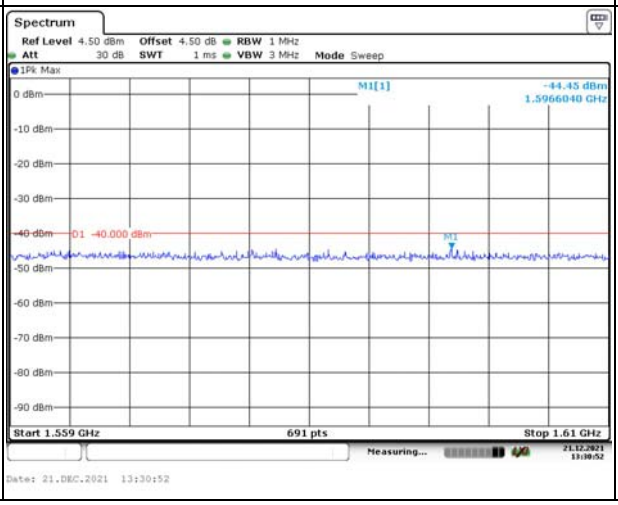


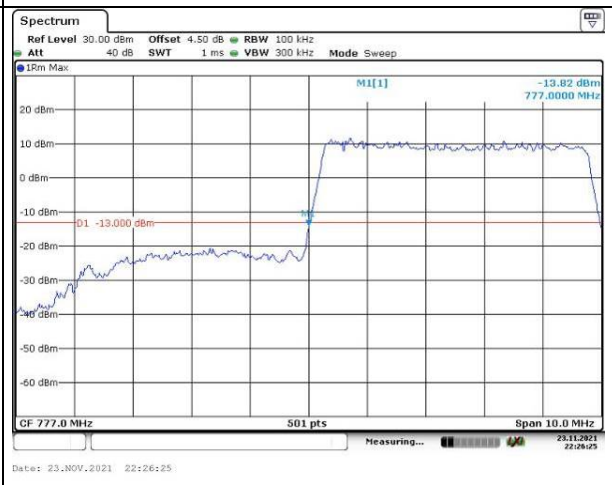
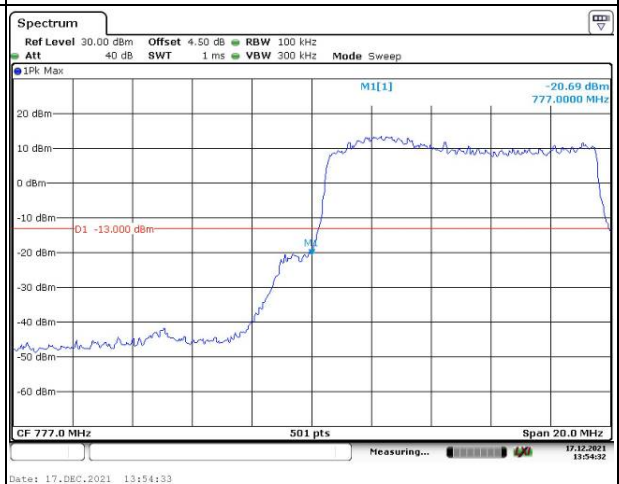
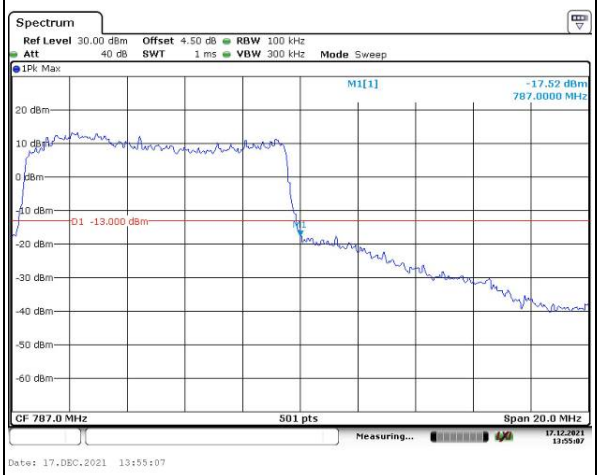


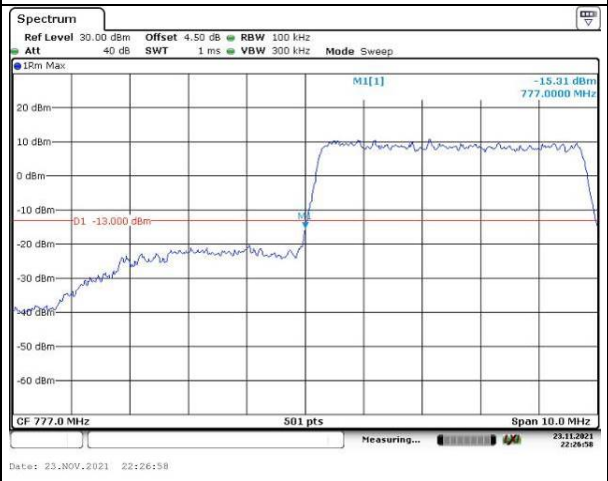
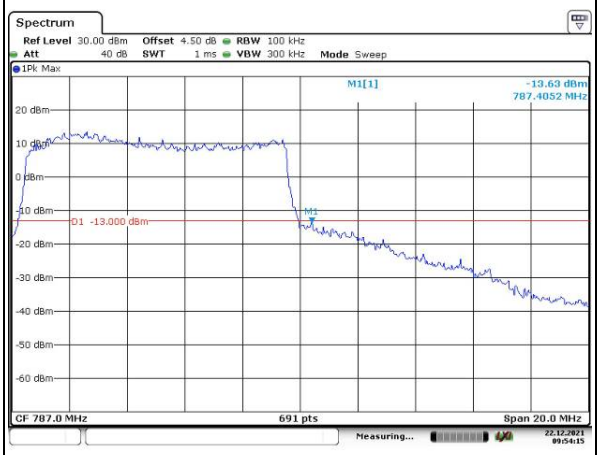






Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Middle		
		
		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		
QPSK 10MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 5MHz		
16QAM 10MHz		

4.10 Antenna Port Test Data and Results for LTE Band 17:

Serial Number:	CR21110014-RF-S1	Test Date:	2021/11/24~2021/12/01
Test Site:	RF	Test Mode:	Transmitting
Tester:	LE Qiao	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	22.1~22.3	Relative Humidity: (%)	31~36	ATM Pressure: (kPa)	101.7~101.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021/7/22	2022/7/21
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
R&S	Wideband Radio Communication Tester	CMW500	149218	2021/7/22	2022/7/21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021/7/22	2022/7/22
UNI-T	Multimeter	UT39A+	C210582554	2021/9/30	2022/9/30
E-Microwave	Two-way Spliter	ODP-1-6	OE0120176	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 17▲:					
Antenna Gain (dBi):	3	Antenna Gain (dBd):	0.85	Cable Loss (dB):	0
Operation Voltage(V_{DC}):					
Lowest:	3.5	Normal:	3.7	Highest:	4.2

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	706.5	710	713.5
10MHz	709	710	711

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	21.10	21.03	20.43	21.95	34.77
	RB1#13	21.08	20.98	20.94		
	RB1#24	21.08	20.32	21.02		
	RB15#0	20.12	20.07	20.03		
	RB15#10	20.01	20.06	20.12		
	RB25#0	20.01	20.02	20.10		
5MHz 16QAM	RB1#0	19.69	20.07	19.74	20.92	34.77
	RB1#13	19.65	20.03	19.73		
	RB1#24	19.54	19.97	19.82		
	RB15#0	19.66	19.40	19.59		
	RB15#10	19.98	19.34	19.54		
	RB25#0	19.58	19.50	19.38		
10MHz QPSK	RB1#0	20.92	21.02	21.25	22.1	34.77
	RB1#25	20.98	20.99	20.92		
	RB1#49	20.94	20.99	21.23		
	RB25#0	20.09	20.14	20.05		
	RB25#25	20.07	20.08	20.09		
	RB50#0	20.04	20.17	20.02		
10MHz 16QAM	RB1#0	20.16	20.38	19.66	21.23	34.77
	RB1#25	20.11	20.27	19.62		
	RB1#49	20.16	20.24	19.74		
	RB25#0	20.02	19.89	19.20		
	RB25#25	19.50	19.55	19.63		
	RB50#0	19.99	19.54	19.47		
Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(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	5.42	4.52	4.90	13
	RB50#0	5.48	5.68	5.91	13
10MHz 16QAM	RB1#0	6.43	5.22	5.68	13
	RB50#0	6.23	6.46	6.55	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	4.491	4.531	4.511	4.940	4.980	5.000
5MHz 16QAM	4.471	4.531	4.551	4.940	4.980	5.020
10MHz QPSK	8.901	8.981	9.022	9.640	9.800	9.800
10MHz 16QAM	8.901	8.981	9.022	9.720	9.800	9.880
Note: The test plots please refer to the Plots of Occupied Bandwidth						

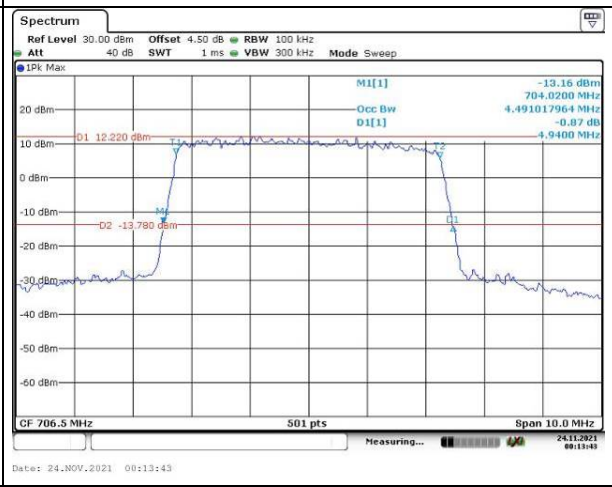
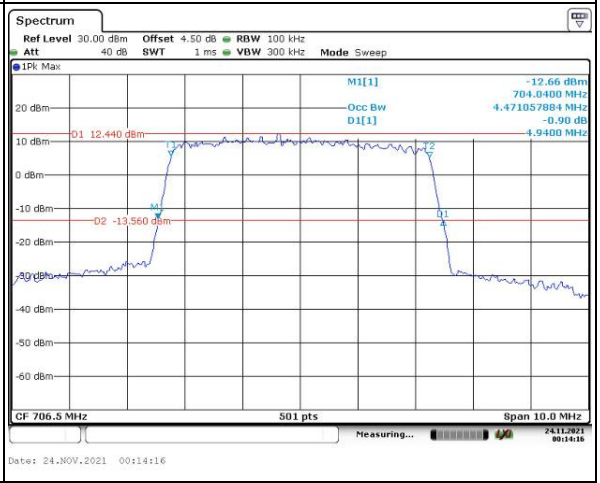
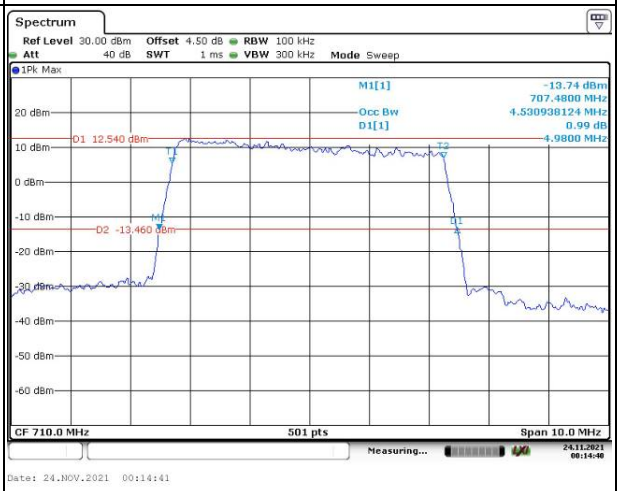
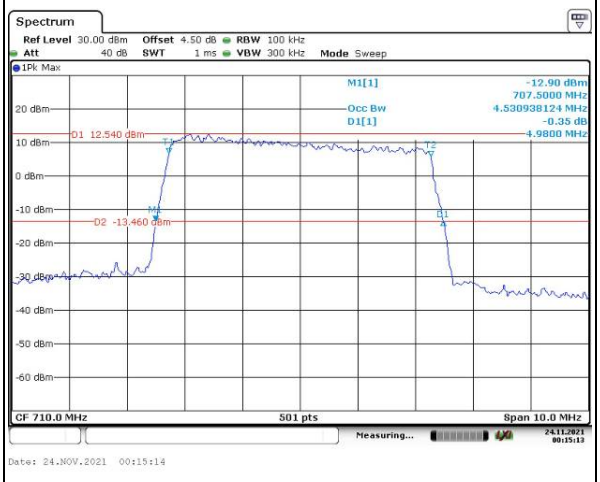
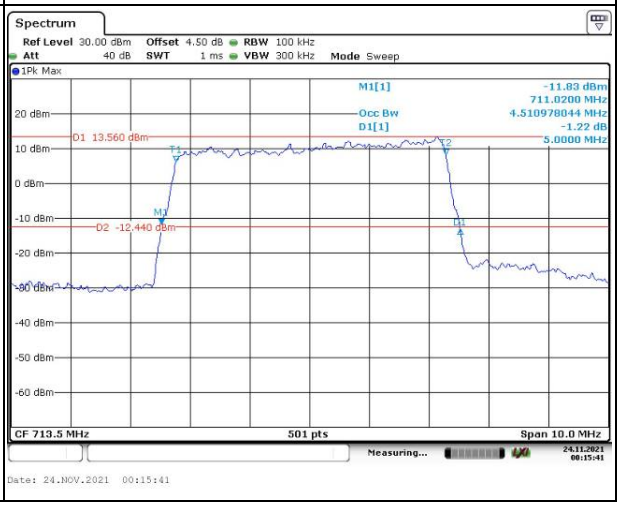
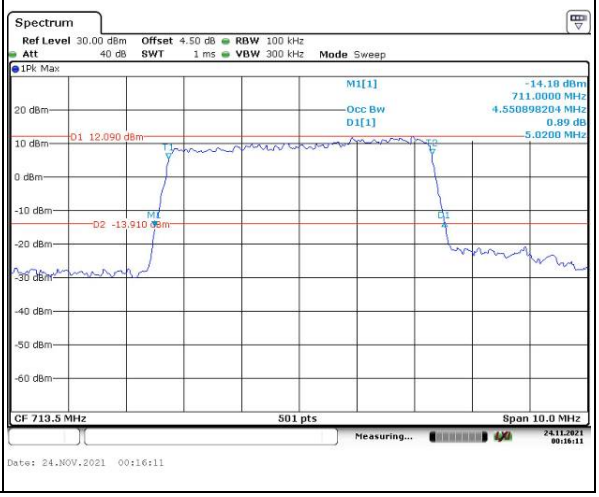
FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

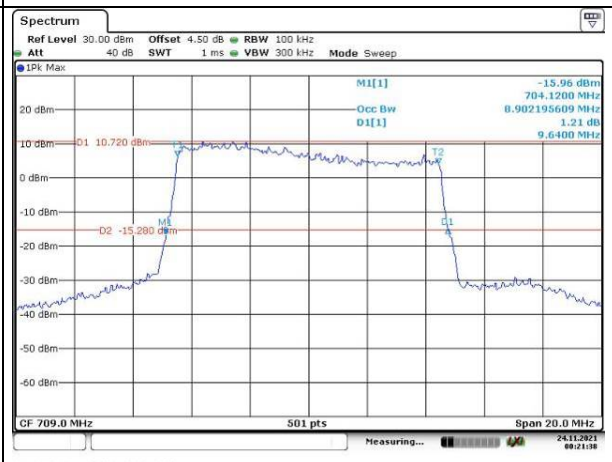
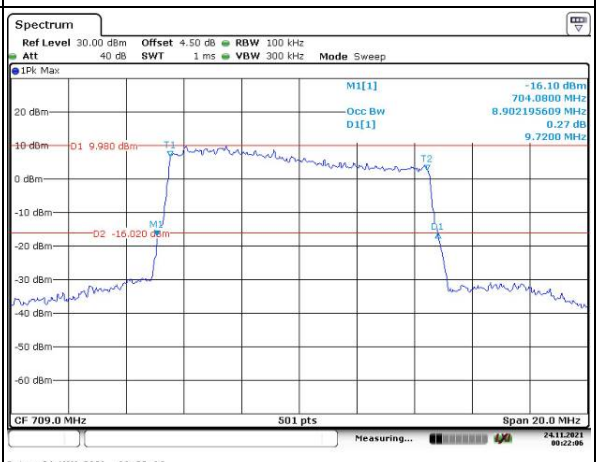
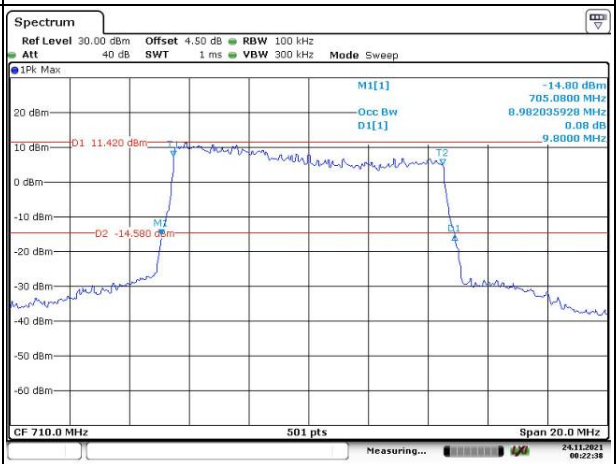
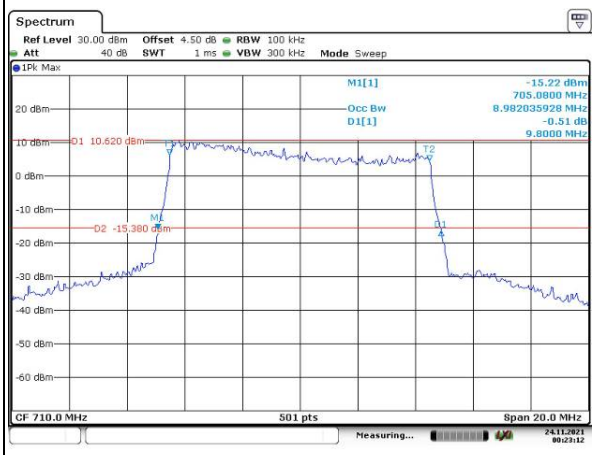
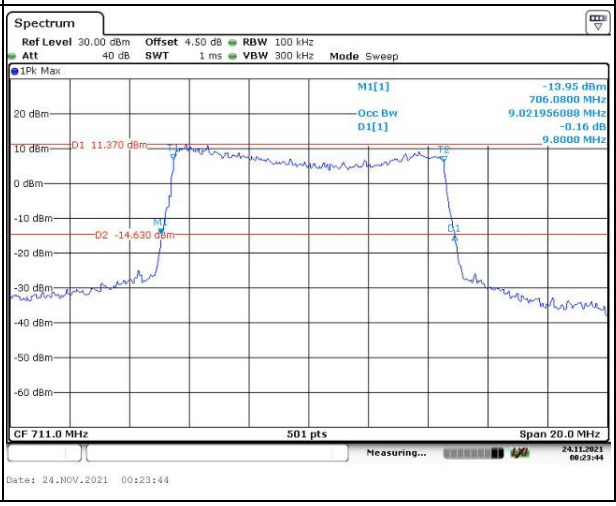
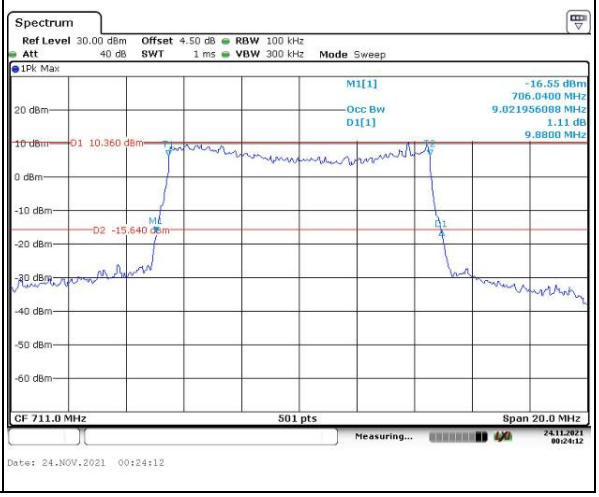
FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

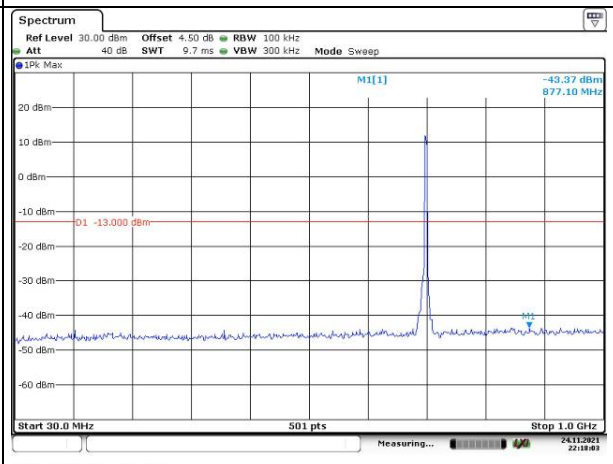
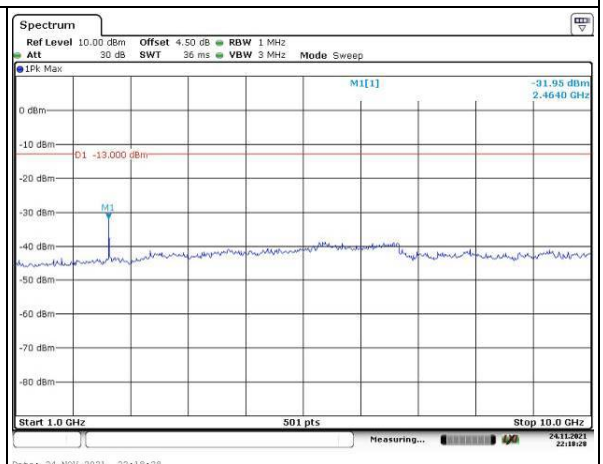
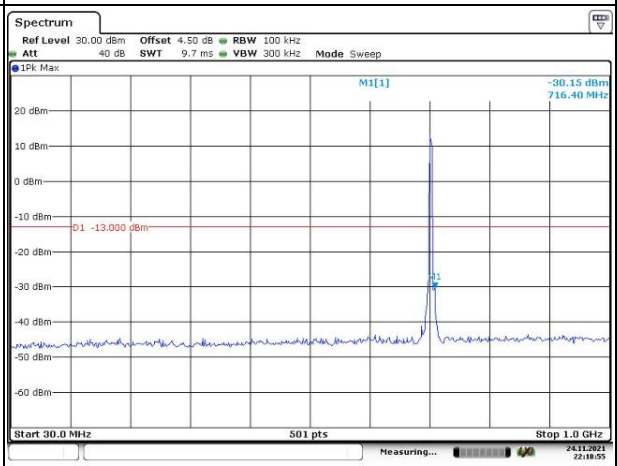
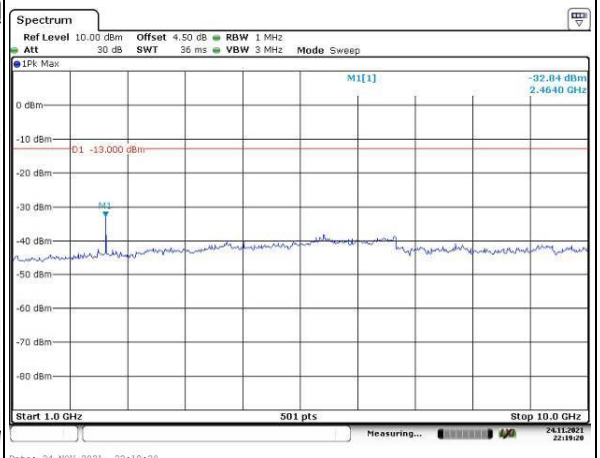
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	704.485	704.00	715.511	716.00
	-20	3.7	704.482	704.00	715.512	716.00
	-10	3.7	704.481	704.00	715.513	716.00
	0	3.7	704.483	704.00	715.512	716.00
	10	3.7	704.485	704.00	715.514	716.00
	20	3.7	704.489	704.00	715.511	716.00
	30	3.7	704.488	704.00	715.515	716.00
	40	3.7	704.487	704.00	715.516	716.00
	50	3.7	704.486	704.00	715.513	716.00
Frequency Stability vs. Voltage	20	3.5	704.484	704.00	715.512	716.00
	20	4.2	704.489	704.00	715.511	716.00
					Result:	**Pass**

Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	704.488	704.00	715.511	716.00
	-20	3.7	704.481	704.00	715.512	716.00
	-10	3.7	704.483	704.00	715.515	716.00
	0	3.7	704.485	704.00	715.513	716.00
	10	3.7	704.488	704.00	715.515	716.00
	20	3.7	704.489	704.00	715.511	716.00
	30	3.7	704.484	704.00	715.516	716.00
	40	3.7	704.485	704.00	715.517	716.00
	50	3.7	704.486	704.00	715.515	716.00
Frequency Stability vs. Voltage	20	3.5	704.485	704.00	715.517	716.00
	20	4.2	704.489	704.00	715.511	716.00
					Result:	**Pass**

Test Plots:

Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest