Test Data:

FCC §2.1046; § 24.232

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	23.07	22.94	22.9	20.25	33
	RB1#3	23.25	23.01	23.09		
	RB1#5	23.05	22.91	23.01		
	RB3#0	23.02	22.97	22.75		
	RB3#3	23.09	22.97	22.71		
	RB6#0	22.18	22.02	22		
1.4MHz 16QAM	RB1#0	22.11	21.89	21.68	19.31	33
	RB1#3	22.31	22.11	21.83		
	RB1#5	22.13	21.91	21.64		
	RB3#0	21.98	22	21.67		
	RB3#3	21.98	21.98	21.67		
	RB6#0	21.12	20.93	20.77		
3MHz QPSK	RB1#0	23.14	22.99	22.8	20.14	33
	RB1#8	23.11	22.99	22.92		
	RB1#14	23.09	22.96	23.03		
	RB6#0	22.08	21.96	21.87		
	RB6#9	22.11	21.96	21.87		
	RB15#0	22.08	21.95	21.77		
3MHz 16QAM	RB1#0	22.17	21.97	22.17	19.19	33
	RB1#8	22.19	21.96	22.12		
	RB1#14	22.18	21.9	22.02		
	RB6#0	21.05	20.88	20.83		
	RB6#9	21.09	20.87	20.73		
	RB15#0	20.99	20.96	20.73		
5MHz QPSK	RB1#0	23.01	22.88	22.72	20.13	33
	RB1#13	23.13	22.98	22.84		
	RB1#24	22.97	22.86	22.88		
	RB15#0	22.06	21.93	21.86		
	RB15#10	22.08	21.95	21.69		
	RB25#0	21.98	21.91	21.68		
5MHz 16QAM	RB1#0	21.82	22.09	21.71	19.22	33
	RB1#13	21.93	22.22	21.83		
	RB1#24	21.83	22.1	21.65		
	RB15#0	21.02	20.86	20.82		
	RB15#10	21.05	20.9	20.62		
	RB25#0	21.02	20.9	20.7		
10MHz QPSK	RB1#0	23.11	22.92	22.74	20.17	33
	RB1#25	23.17	23.07	22.88		

	RB1#49	23.09	22.91	22.92		
	RB25#0	21.98	21.93	21.85		
	RB25#25	22.03	21.97	21.74		
	RB50#0	22	21.93	21.75		
10MHz 16QAM	RB1#0	22.02	22.37	21.84	19.54	33
	RB1#25	22.15	22.54	22.05		
	RB1#49	21.98	22.42	21.79		
	RB25#0	21	20.94	20.85		
	RB25#25	21.08	20.96	20.7		
	RB50#0	20.99	20.94	20.73		
15MHz QPSK	RB1#0	22.99	22.85	22.66	20.11	33
	RB1#38	23.11	22.95	22.78		
	RB1#74	22.99	22.91	22.86		
	RB36#0	22.12	22.01	21.95		
	RB36#39	22.15	22.01	21.85		
	RB75#0	22.12	22.05	21.94		
15MHz 16QAM	RB1#0	22.03	22.15	22.06	19.34	33
	RB1#38	22.12	22.27	22.24		
	RB1#74	22.07	22.34	21.99		
	RB36#0	21.02	20.92	20.82		
	RB36#39	21.07	20.92	20.78		
	RB75#0	21.04	20.95	20.86		
20MHz QPSK	RB1#0	22.86	22.67	22.61	20.26	33
	RB1#50	23.26	23.03	22.98		
	RB1#99	22.87	22.65	22.61		
	RB50#0	21.99	21.98	21.98		
	RB50#50	22.05	21.95	21.74		
	RB100#0	22.03	22.01	21.88		
20MHz 16QAM	RB1#0	21.95	22.21	21.85	19.57	33
	RB1#50	22.36	22.57	22.19		
	RB1#99	21.95	22.18	21.74		
	RB50#0	20.92	20.94	20.91		
	RB50#50	21.02	20.92	20.74		
	RB100#0	20.98	20.97	20.87		
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	3.77	4.38	4.23	13
	RB100#0	3.74	3.88	4.06	13
20MHz 16QAM	RB1#0	4.72	5.39	4.84	13
	RB100#0	5.42	5.54	5.54	13
				Result:	**Pass**

FCC §2.1049, §24.238: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	1.114	1.332	1.296	2.016
1.4MHz 16QAM	1.096	1.096	1.114	1.302	1.296	1.506
3MHz QPSK	2.695	2.683	2.683	2.88	2.88	2.88
3MHz 16QAM	2.683	2.683	2.683	2.88	2.88	2.88
5MHz QPSK	4.511	4.511	4.531	5.24	5.14	5.22
5MHz 16QAM	4.551	4.551	4.531	5.22	5.24	5.16
10MHz QPSK	8.942	8.942	8.982	10.16	10.08	9.88
10MHz 16QAM	8.942	8.942	8.982	9.8	9.92	9.92
15MHz QPSK	13.413	13.533	13.533	14.82	14.82	14.88
15MHz 16QAM	13.533	13.533	13.533	14.88	14.82	14.76
20MHz QPSK	17.964	17.964	17.964	19.52	19.76	19.76
20MHz 16QAM	17.964	17.964	17.964	19.76	19.68	19.44
Note: The test plots please refer to the Plots of Occupied Bandwidth						

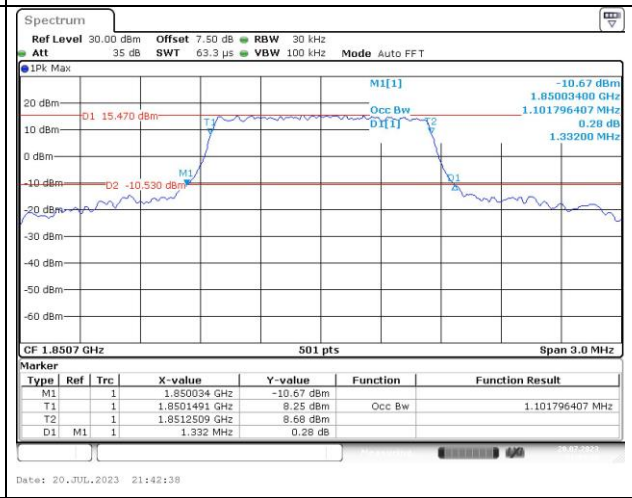
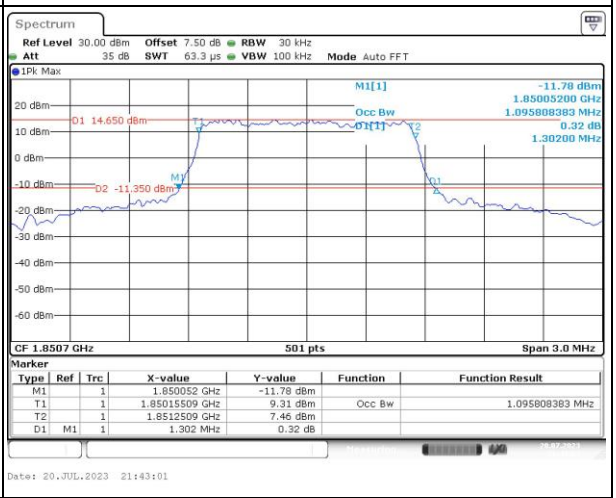
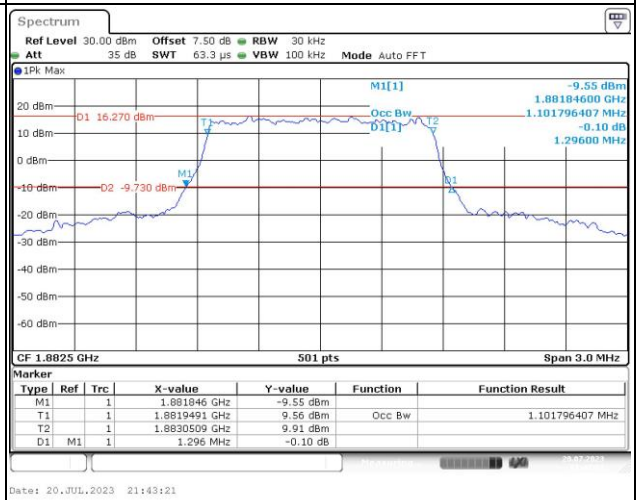
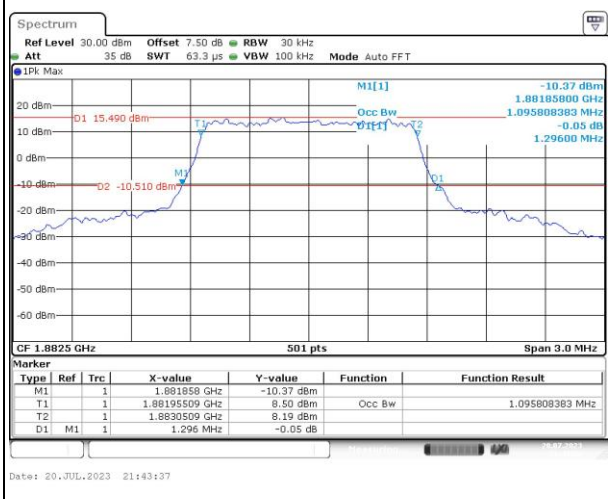
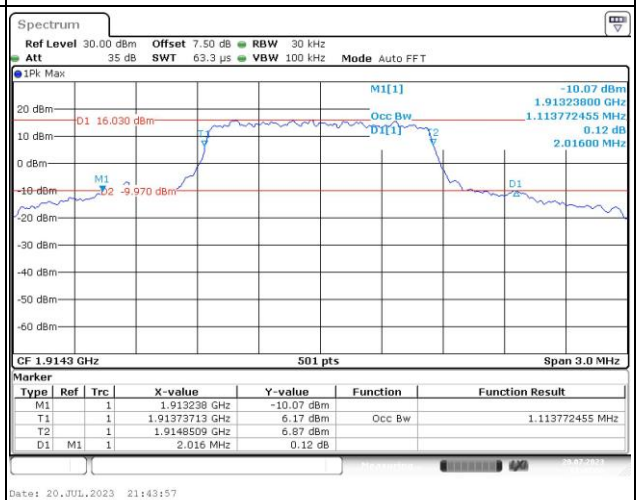
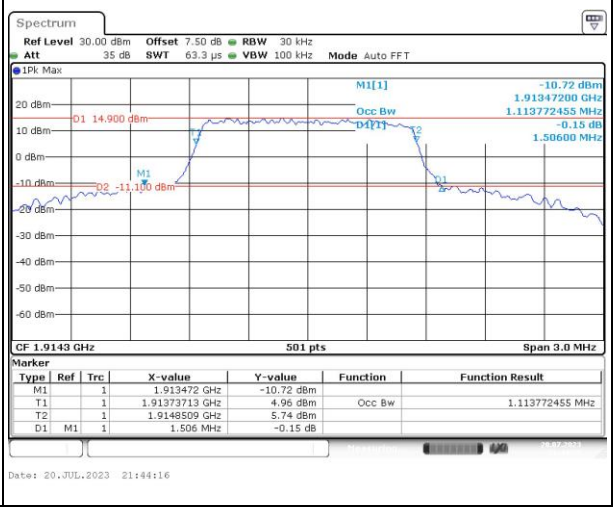
FCC §2.1051, §24.238 (a):Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

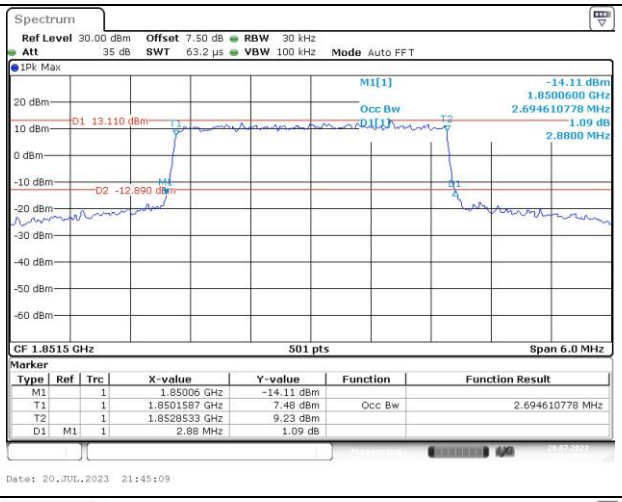
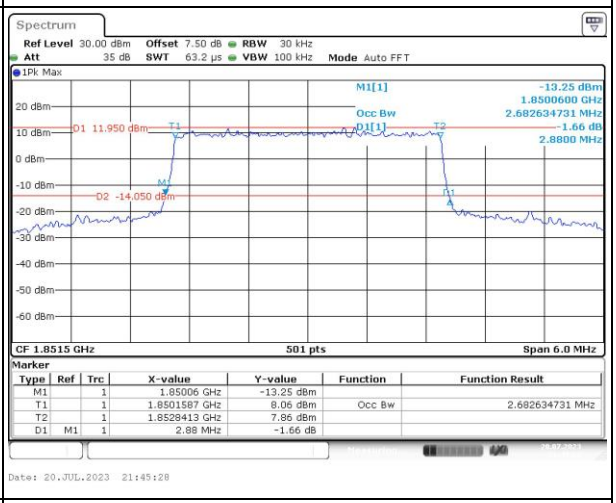
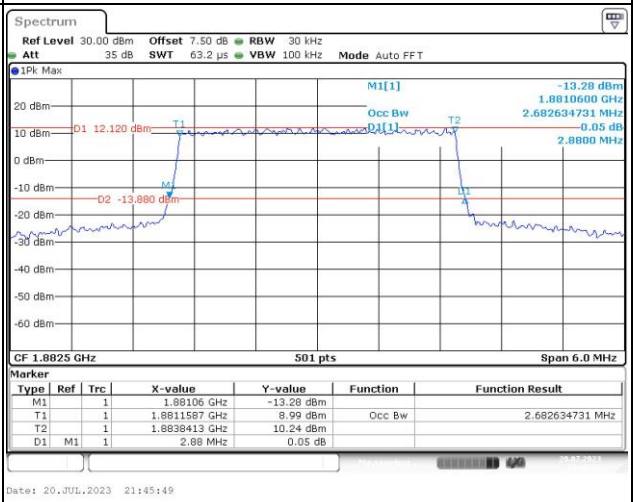
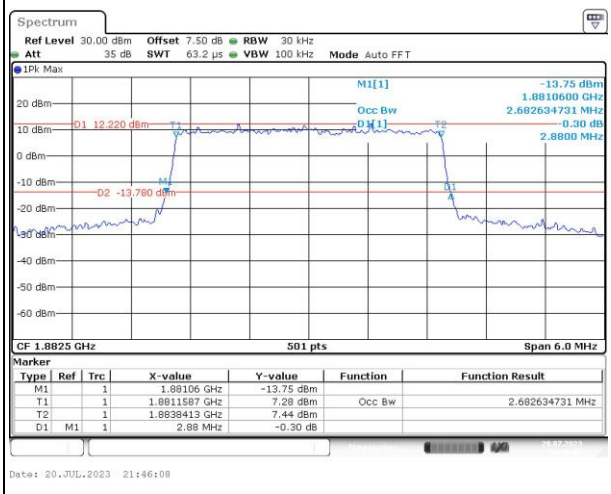
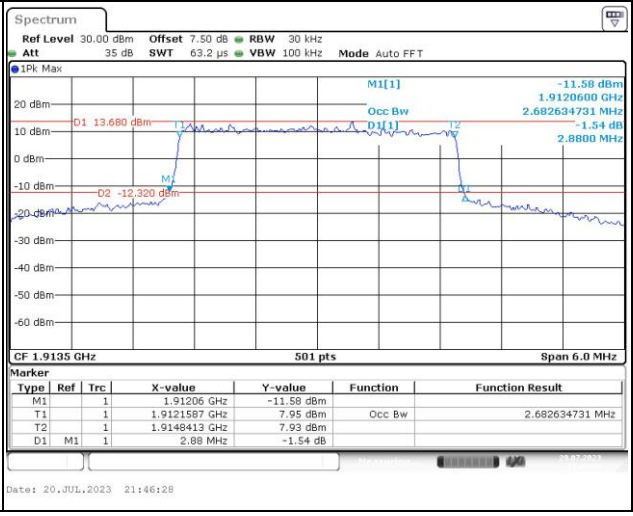
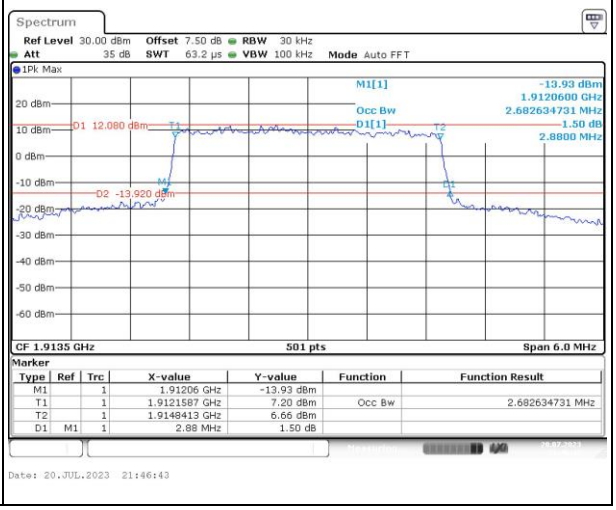
FCC §2.1051, §24.238 (a):Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

FCC §2.1055, §24.235: Frequency Stability						
Test Mode:	20M 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	3.78	1851.057	1850.000	1913.902	1915.000
	-20	3.78	1851.032	1850.000	1913.917	1915.000
	-10	3.78	1851.013	1850.000	1913.991	1915.000
	0	3.78	1851.065	1850.000	1913.966	1915.000
	10	3.78	1851.064	1850.000	1913.984	1915.000
	20	3.78	1851.058	1850.000	1913.942	1915.000
	30	3.78	1851.059	1850.000	1913.921	1915.000
	40	3.78	1851.082	1850.000	1913.971	1915.000
	50	3.78	1851.073	1850.000	1913.922	1915.000
Frequency Stability vs. Voltage	20	3.6	1851.033	1850.000	1913.934	1915.000
	20	4.4	1851.054	1850.000	1913.984	1915.000
					Result:	**Pass**

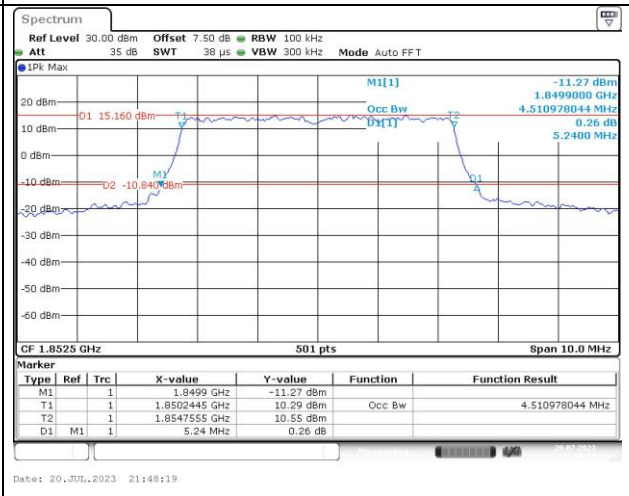
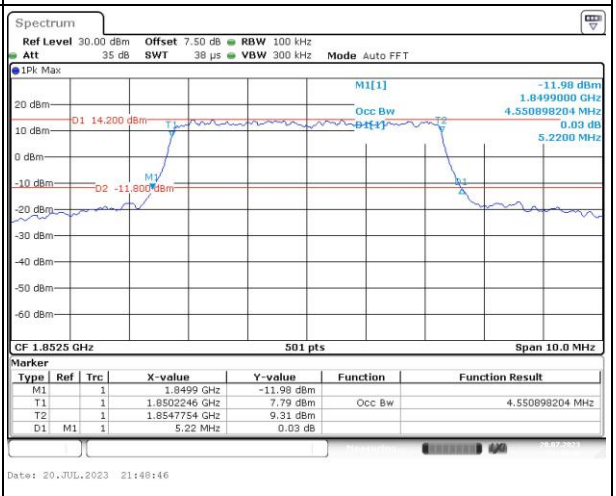
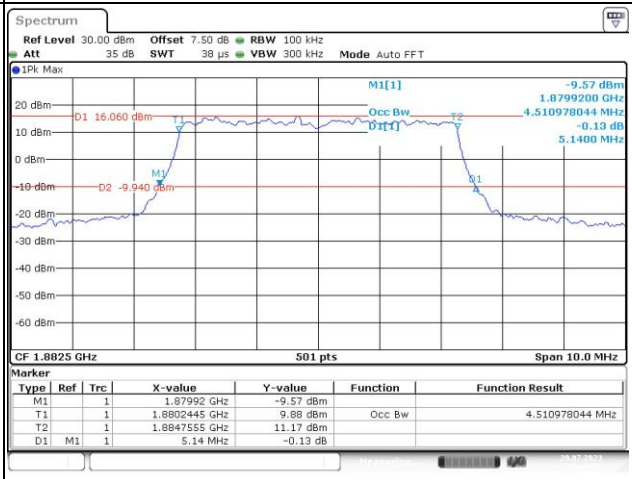
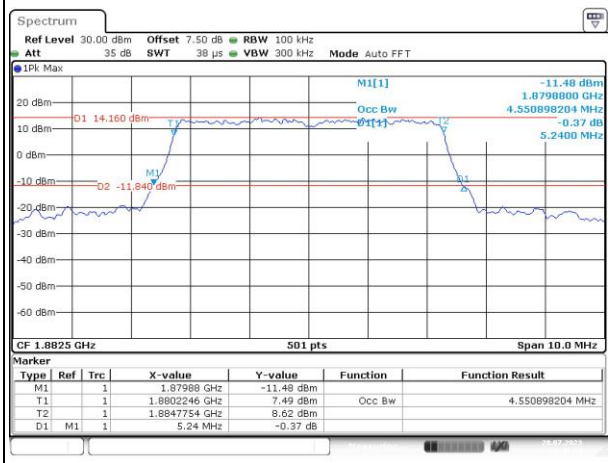
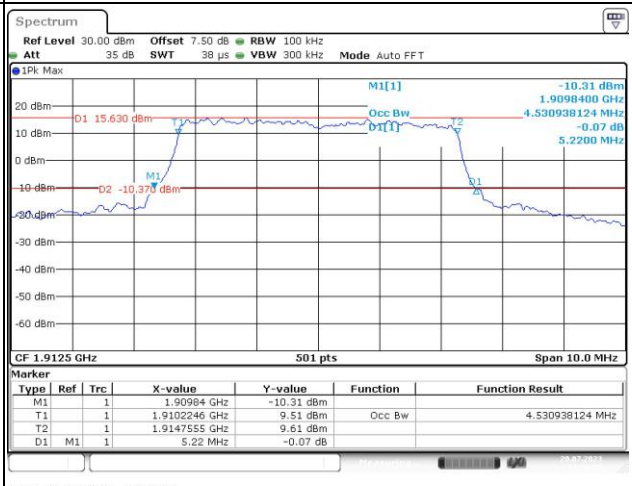
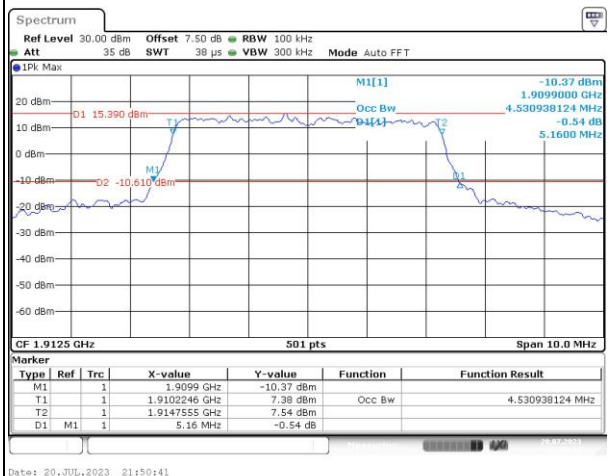
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.78	1851.013	1850.000	1913.983	1915.000
	-20	3.78	1851.019	1850.000	1913.936	1915.000
	-10	3.78	1851.055	1850.000	1913.934	1915.000
	0	3.78	1851.032	1850.000	1913.936	1915.000
	10	3.78	1851.041	1850.000	1913.969	1915.000
	20	3.78	1851.058	1850.000	1913.942	1915.000
	30	3.78	1851.013	1850.000	1913.987	1915.000
	40	3.78	1851.097	1850.000	1913.982	1915.000
	50	3.78	1851.082	1850.000	1913.989	1915.000
Frequency Stability vs. Voltage	20	3.6	1851.064	1850.000	1914.000	1915.000
	20	4.4	1851.008	1850.000	1913.972	1915.000
					Result:	**Pass**

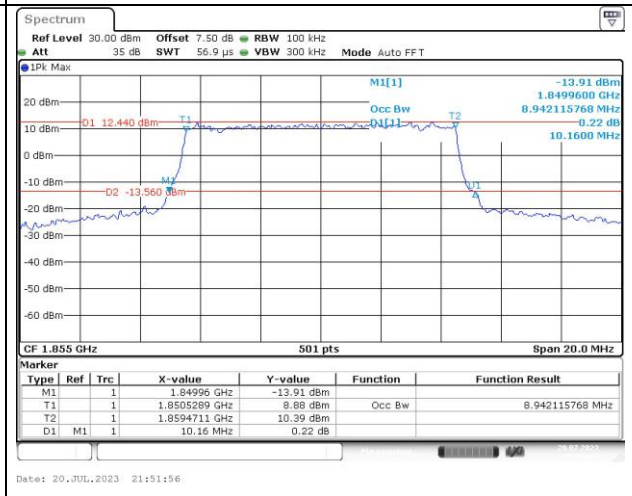
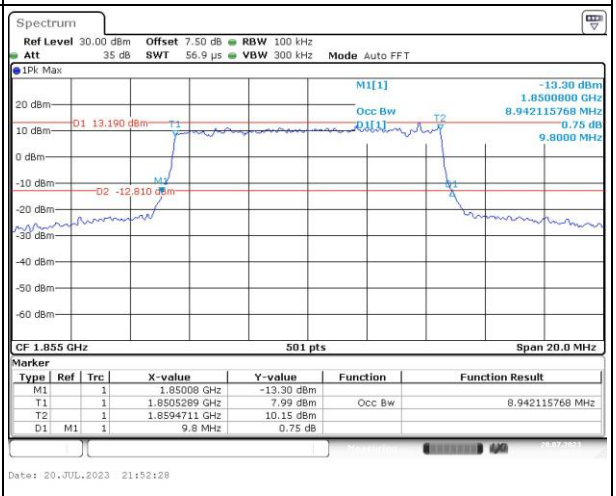
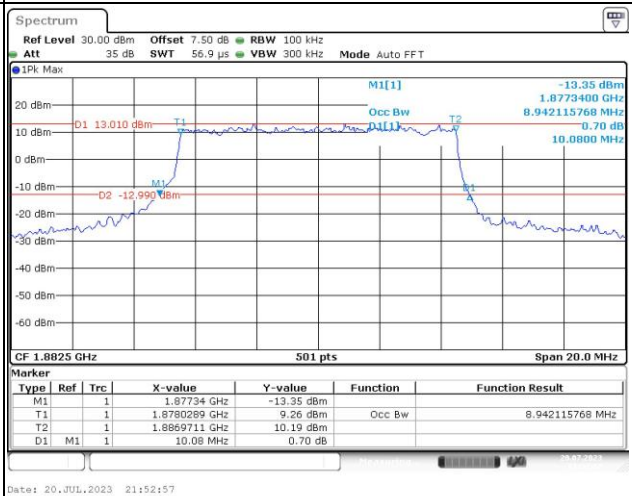
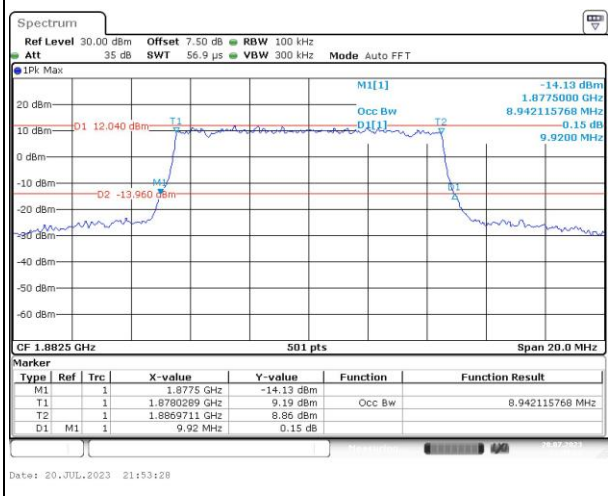
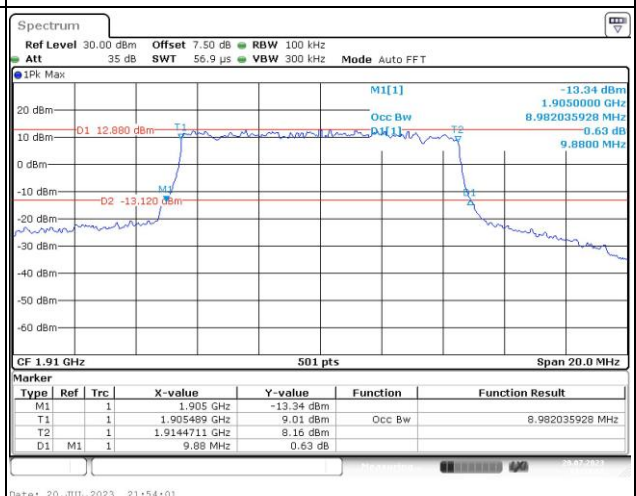
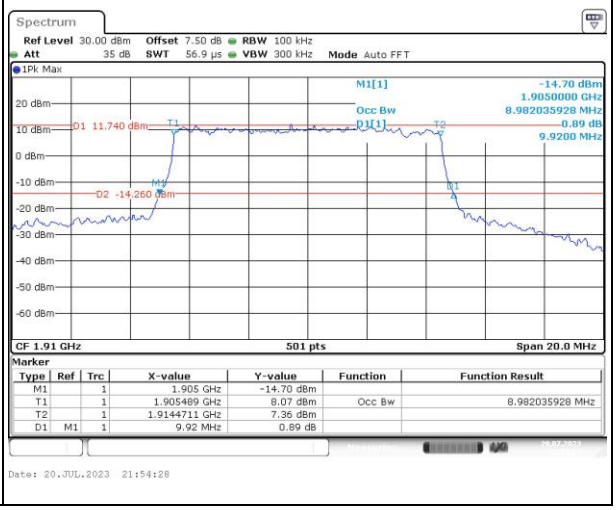
Test Plots(Note: The 7.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

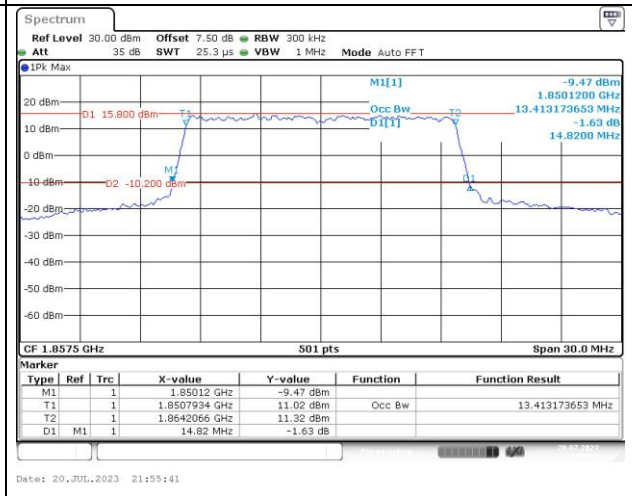
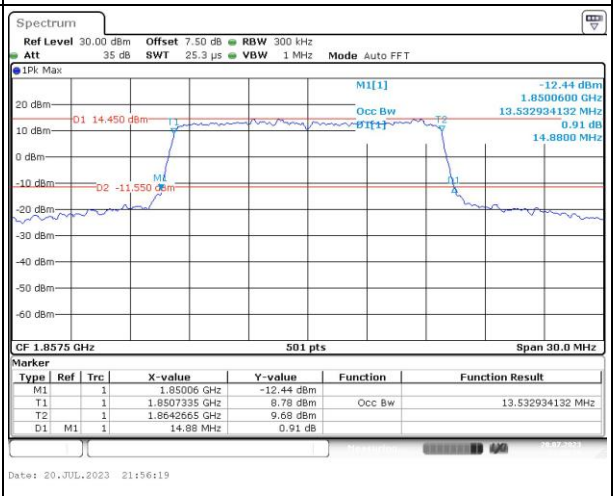
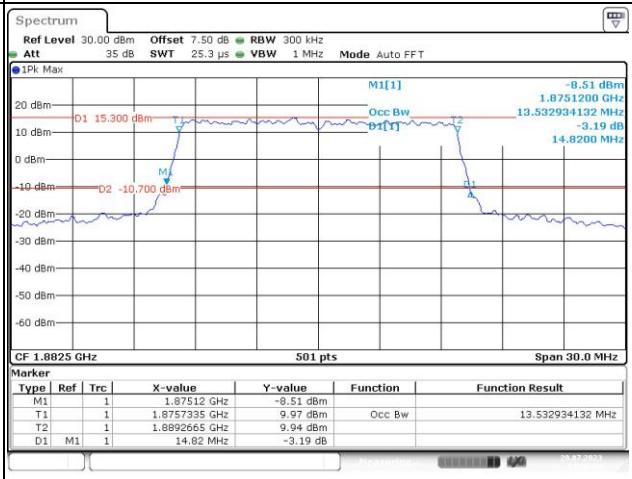
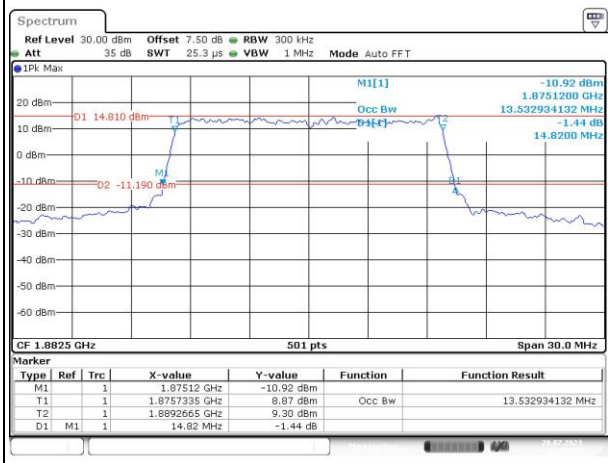
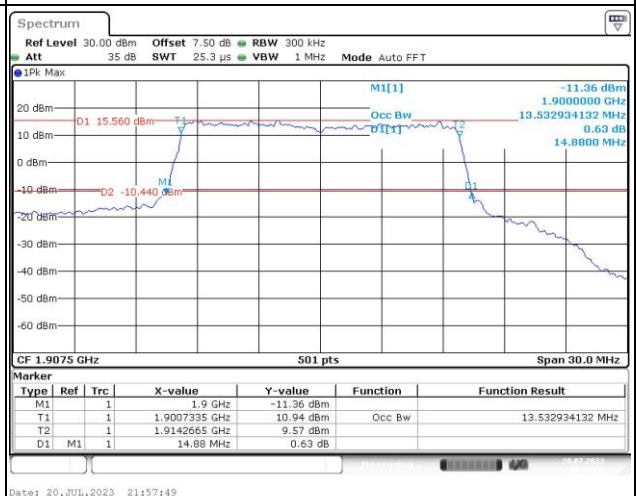
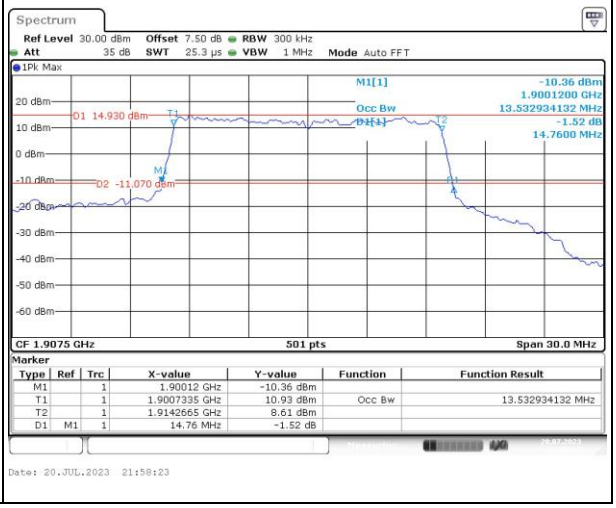
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

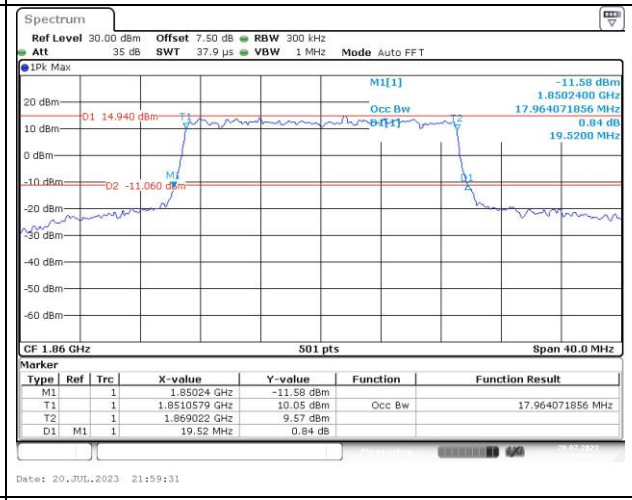
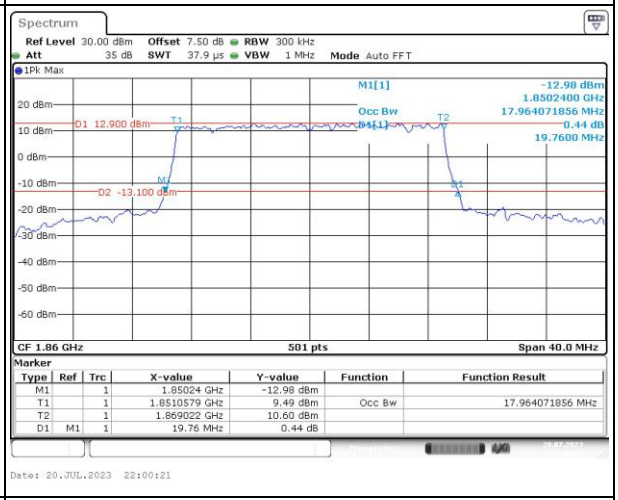
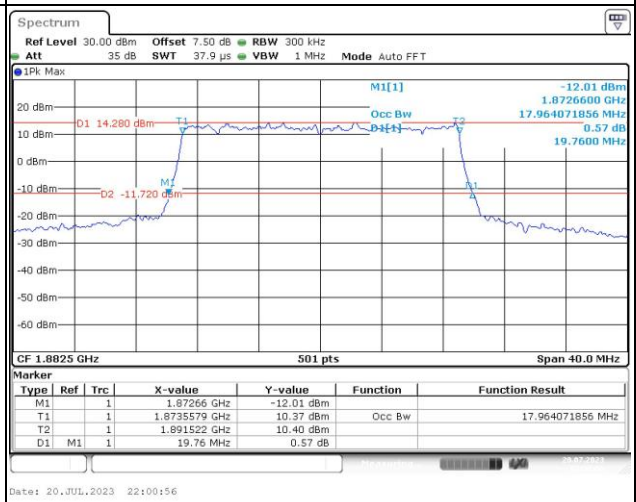
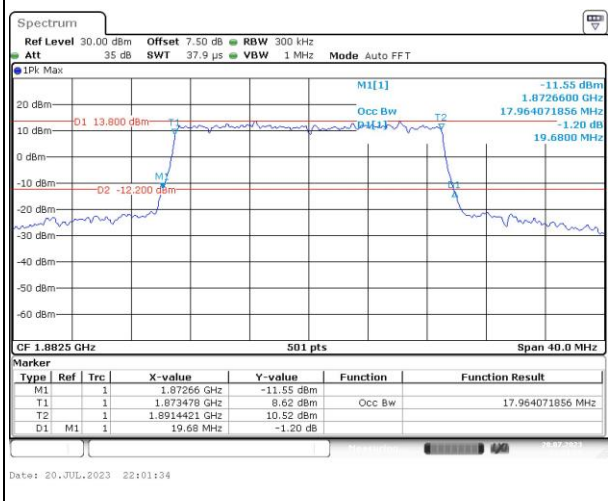
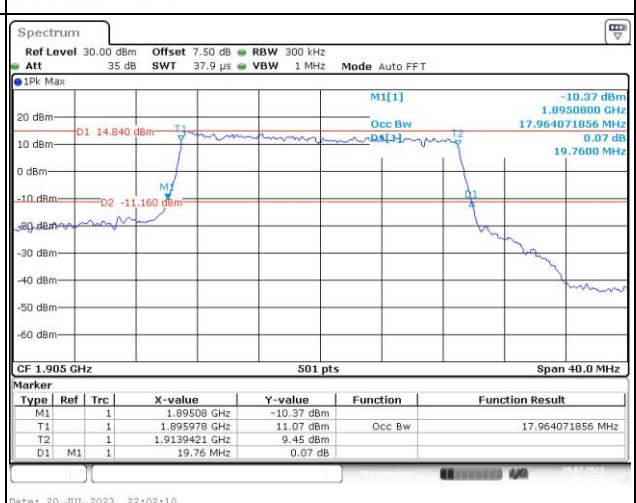
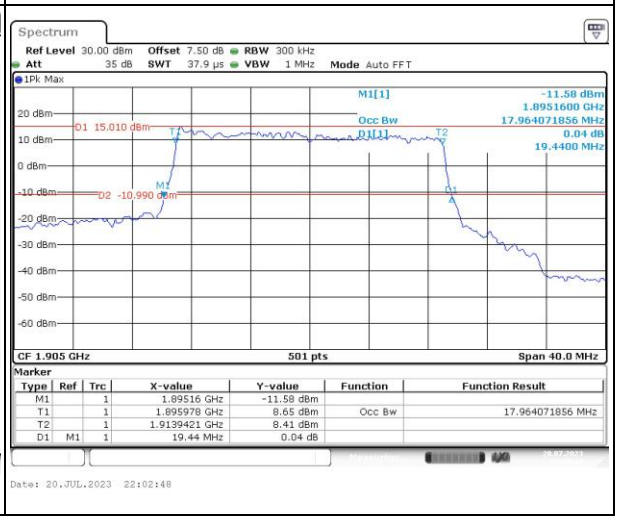
Occupied Bandwidth		
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

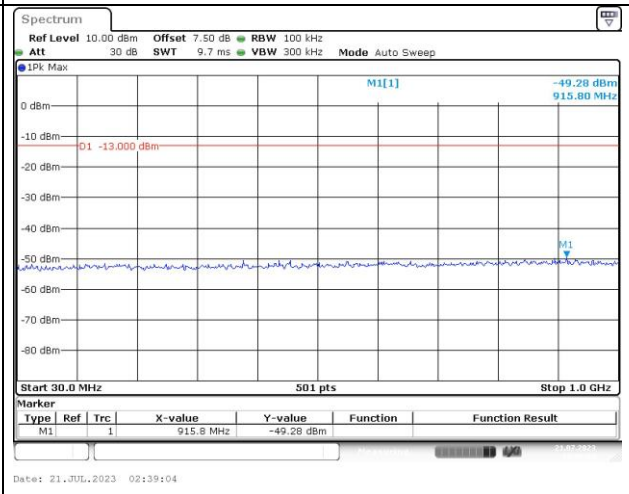
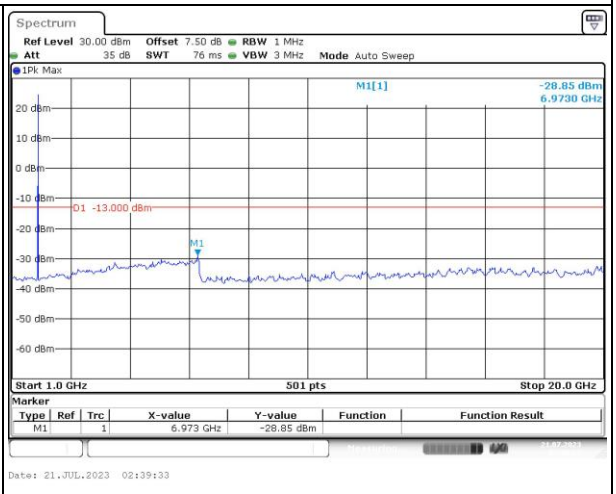
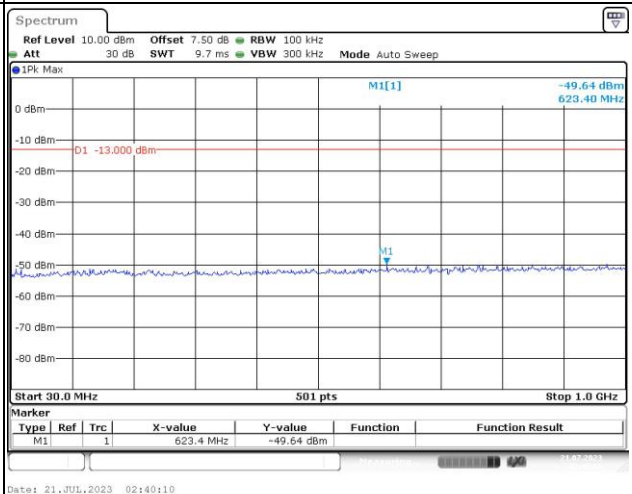
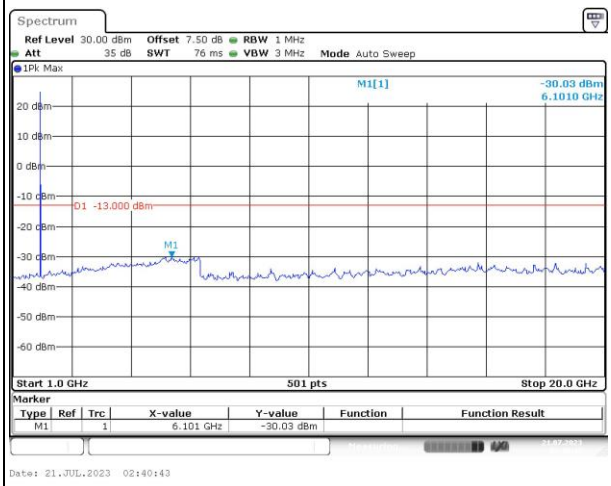
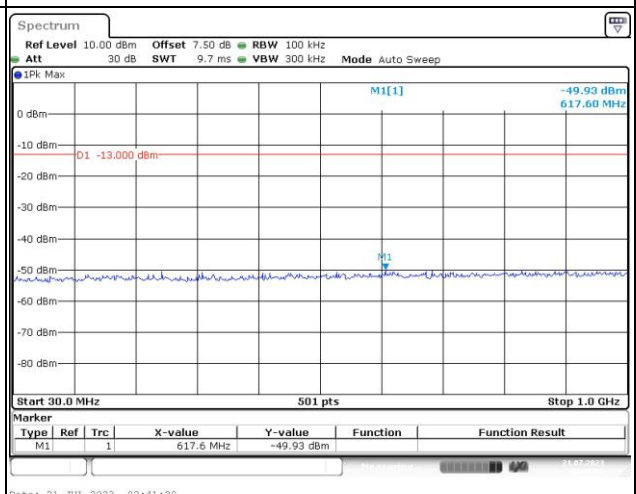
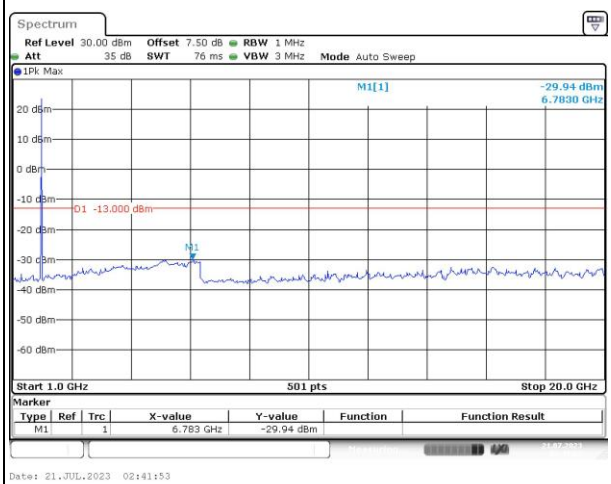
Occupied Bandwidth

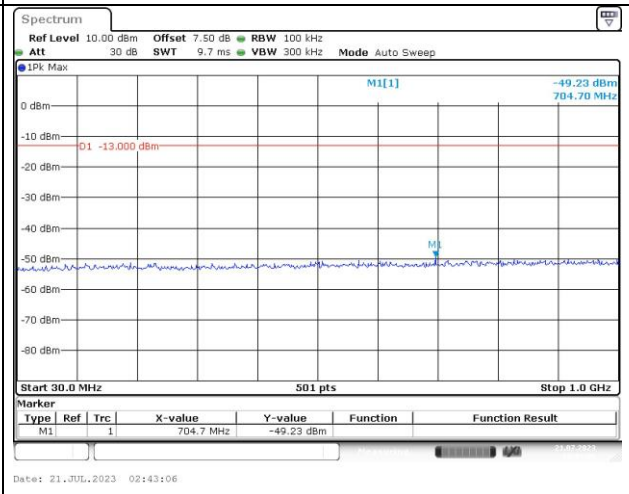
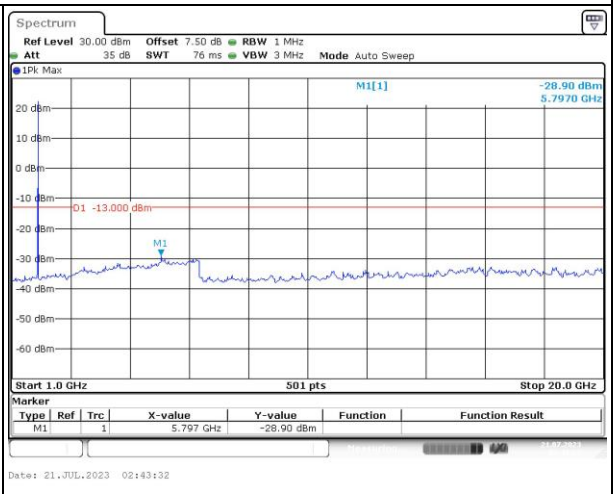
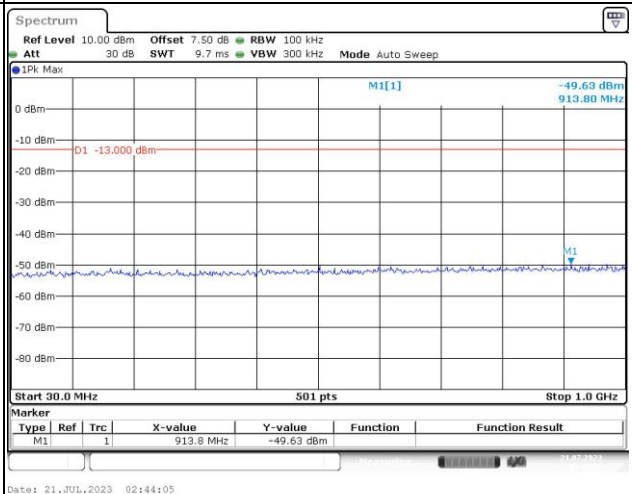
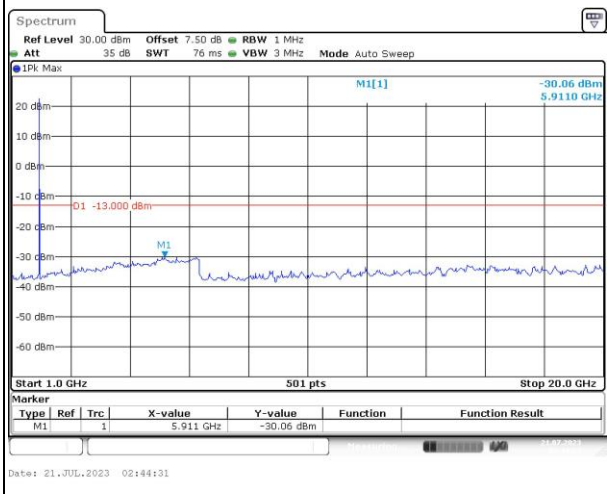
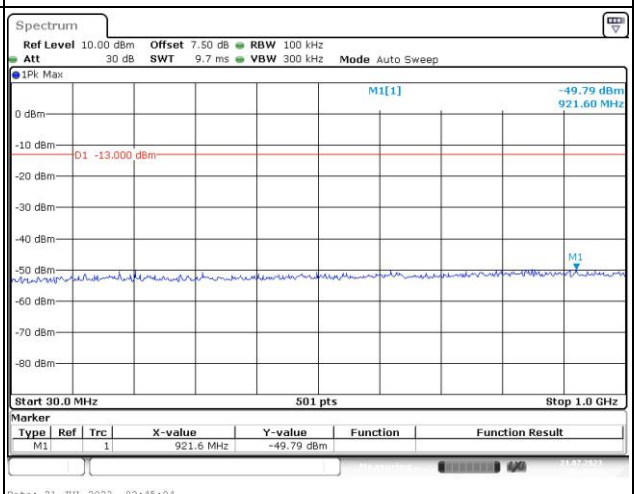
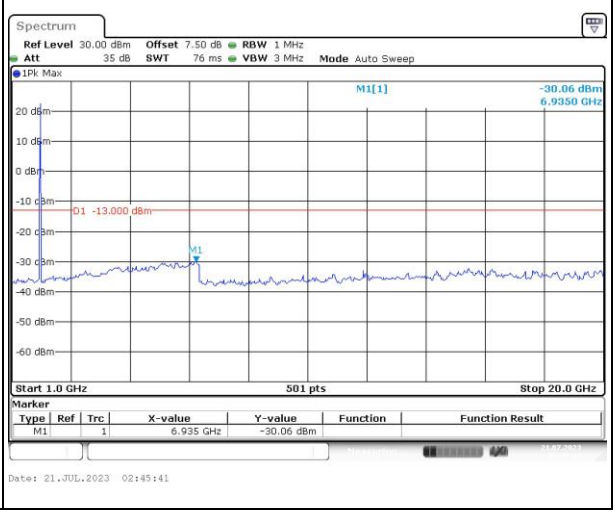
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

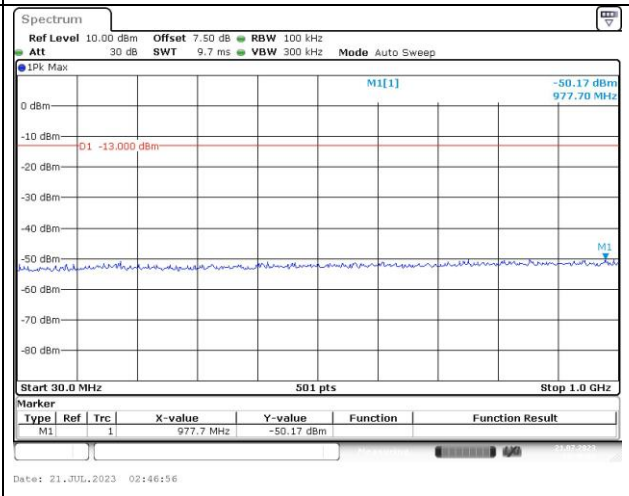
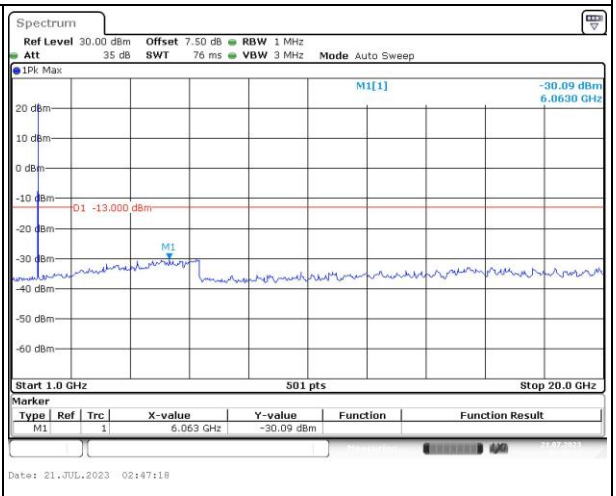
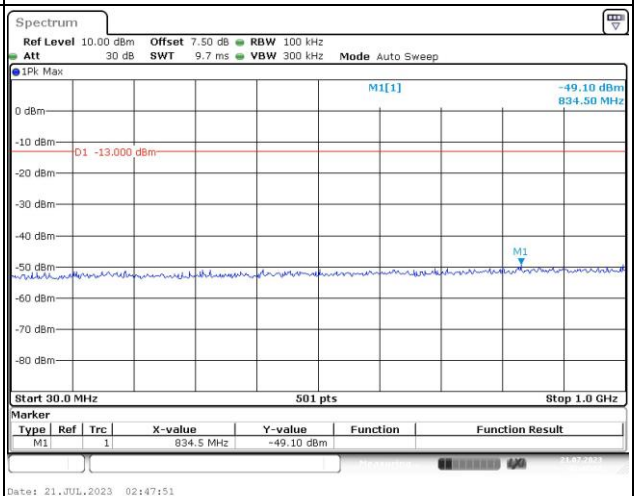
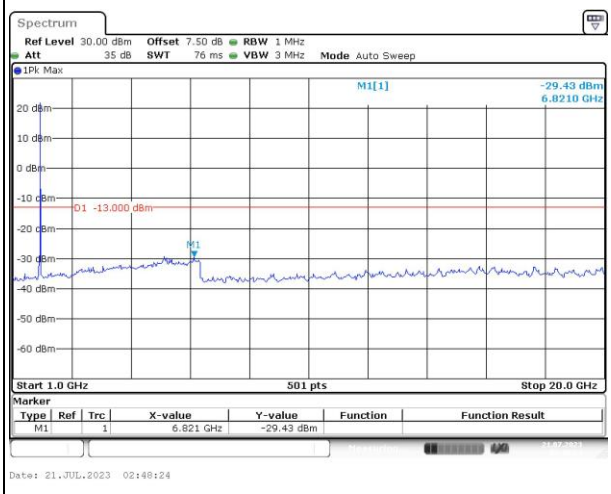
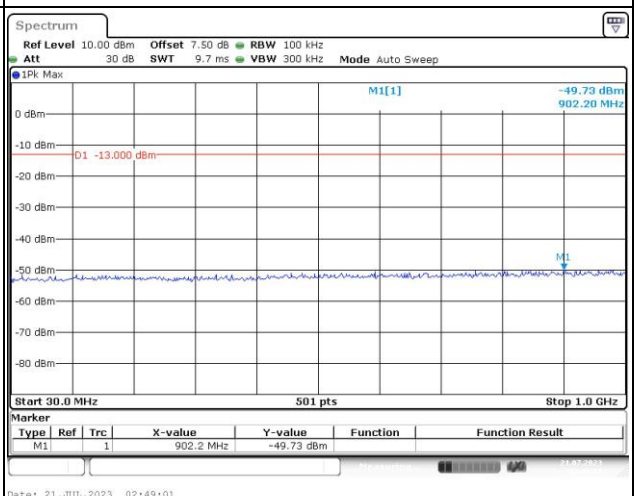
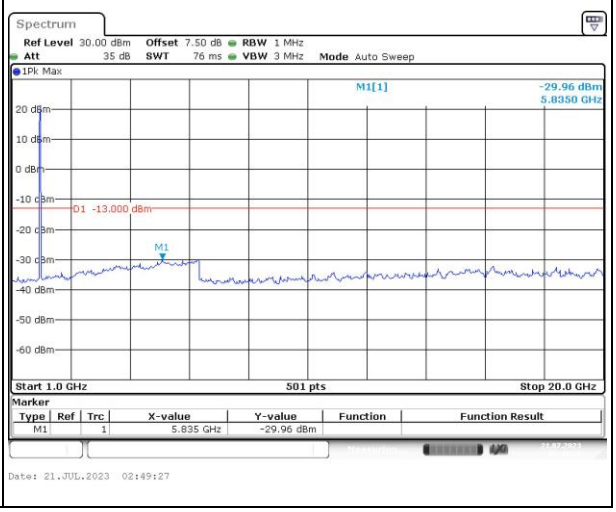
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

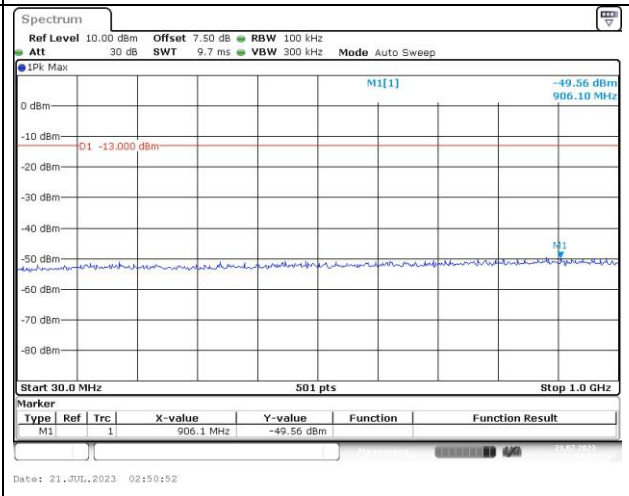
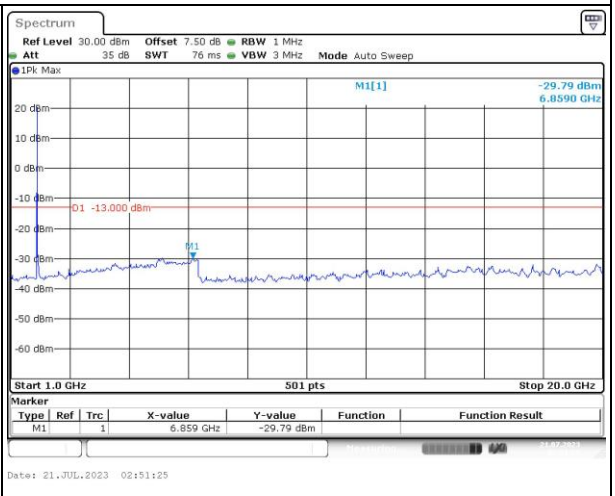
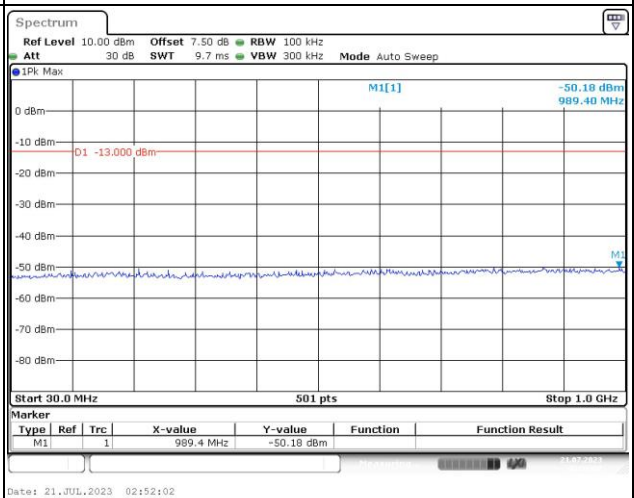
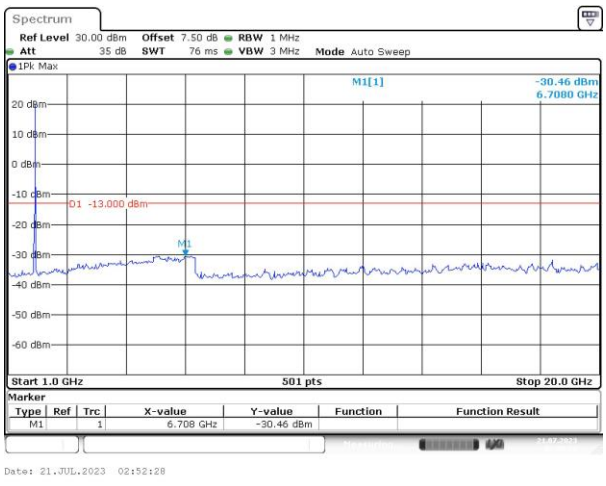
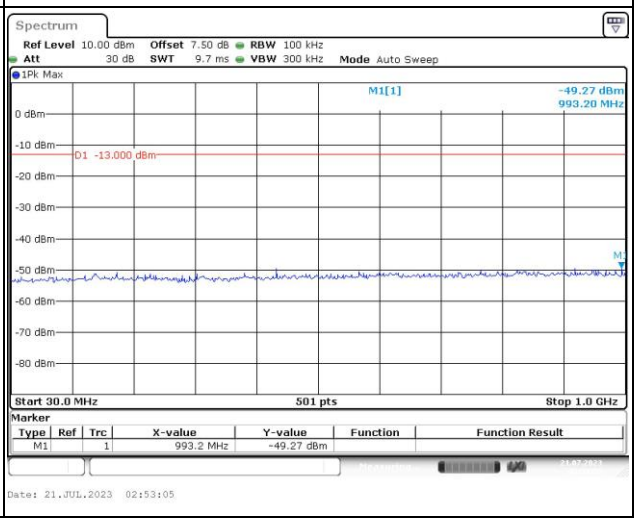
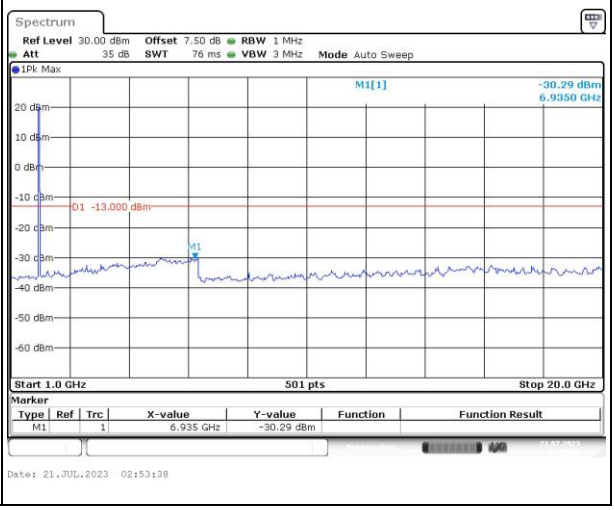
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

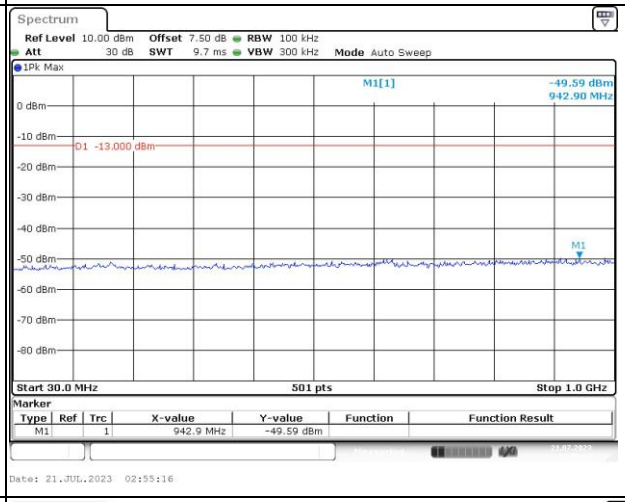
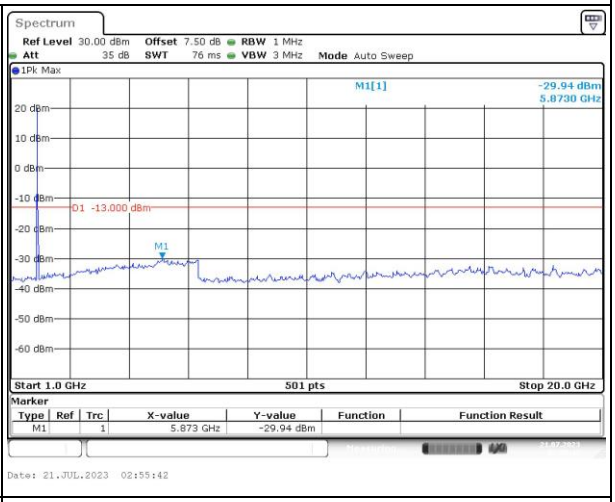
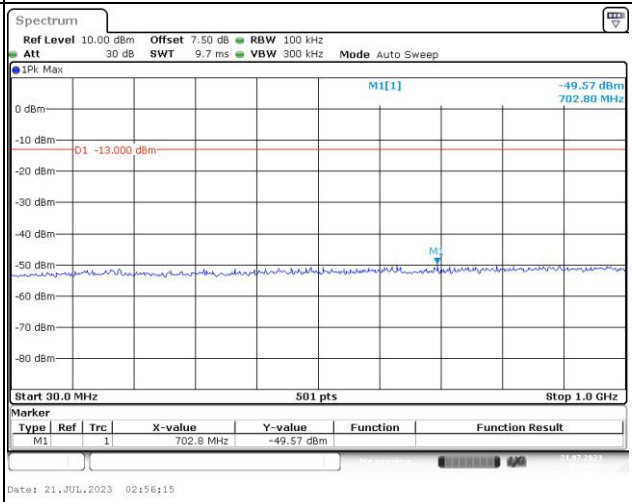
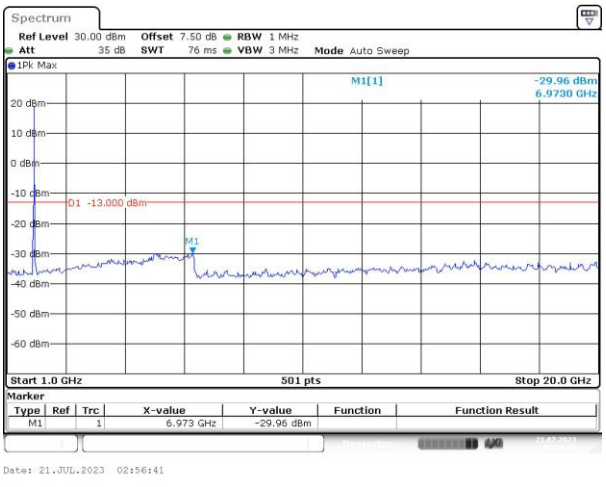
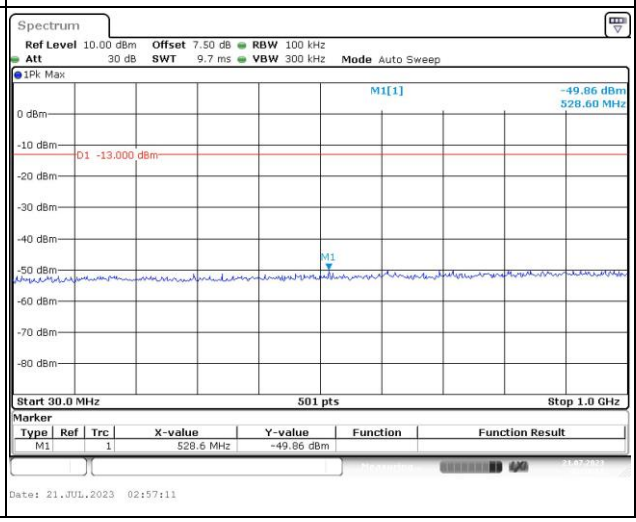
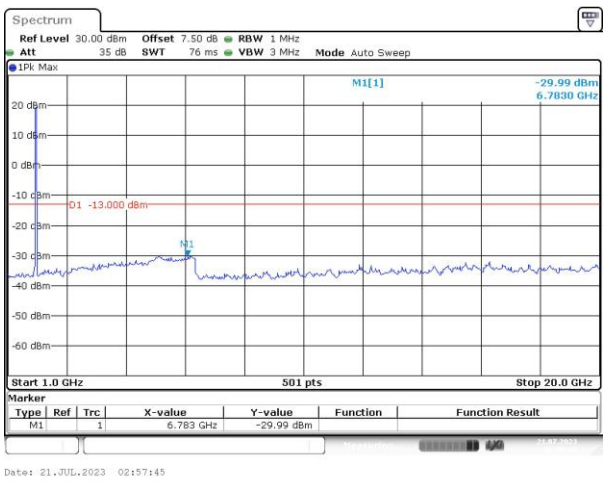
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

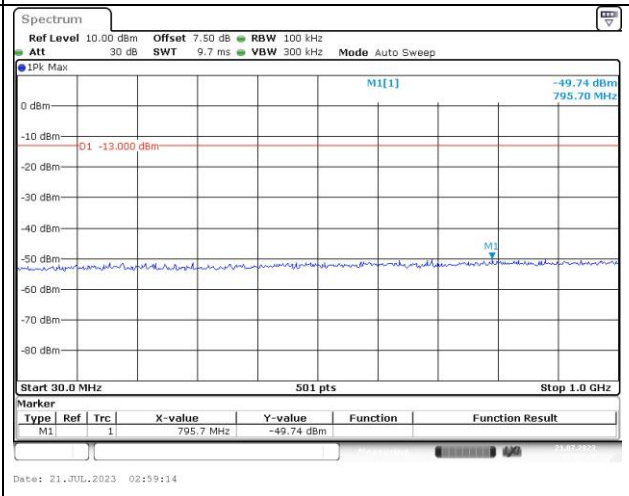
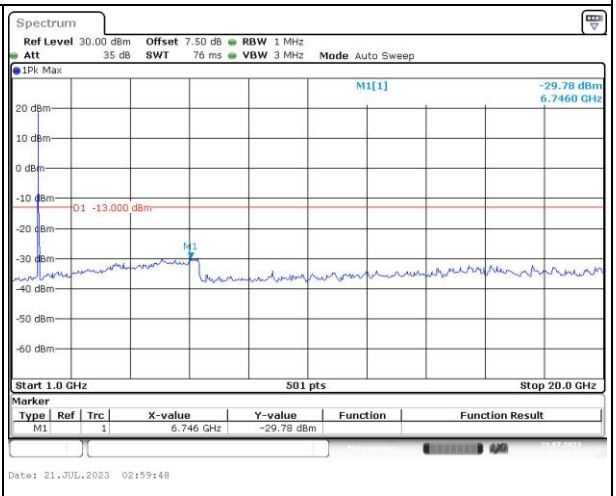
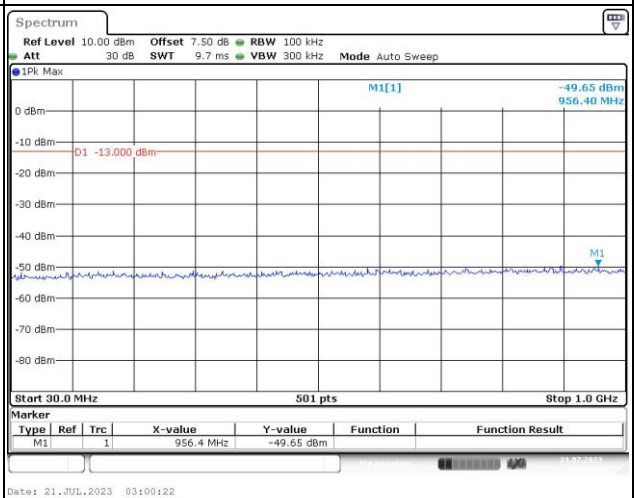
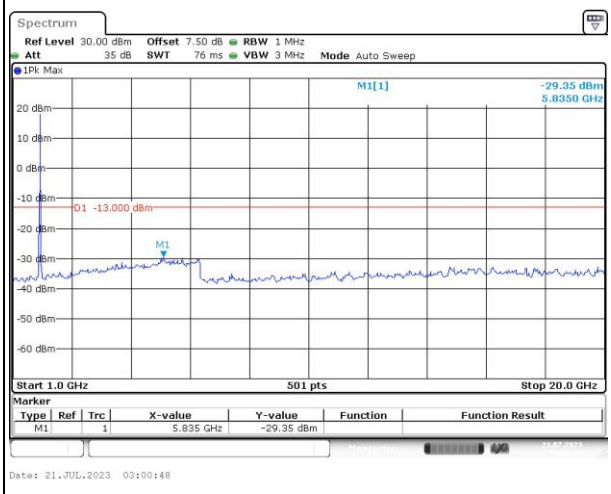
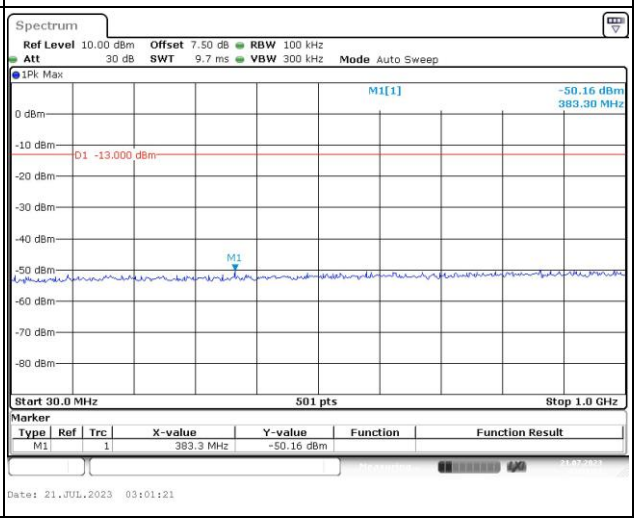
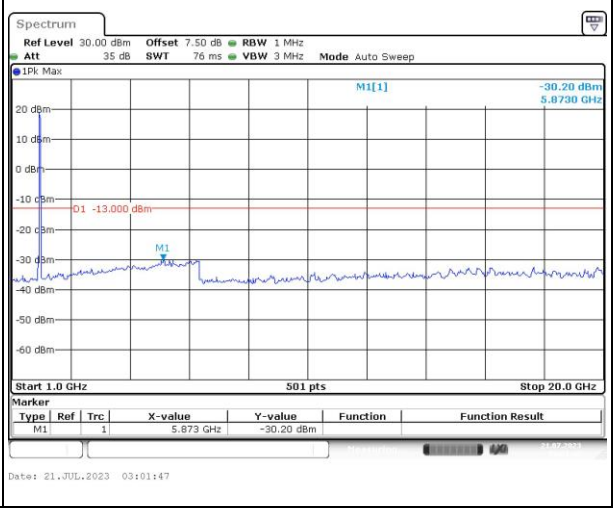
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

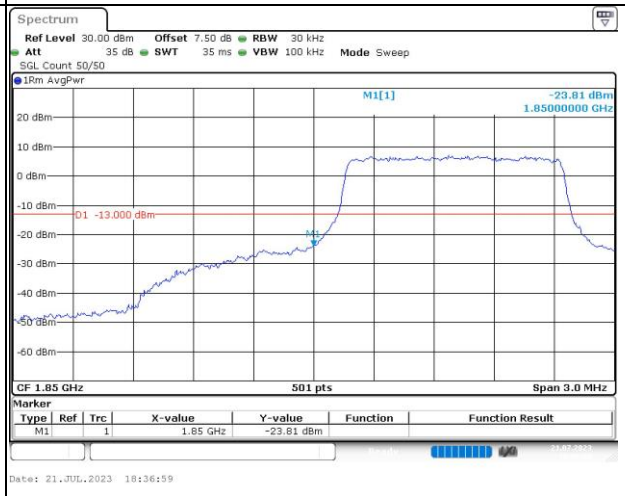
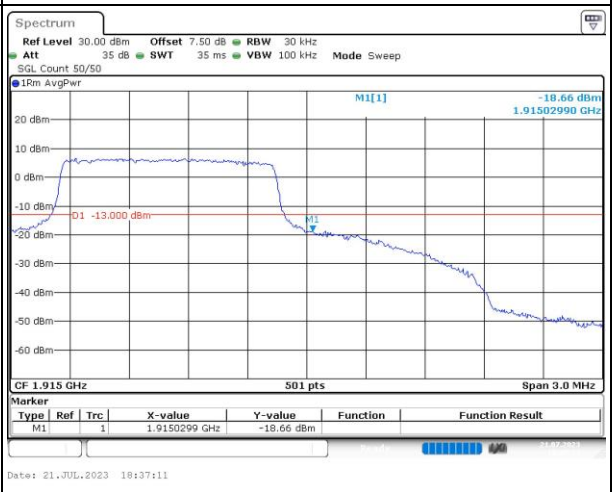
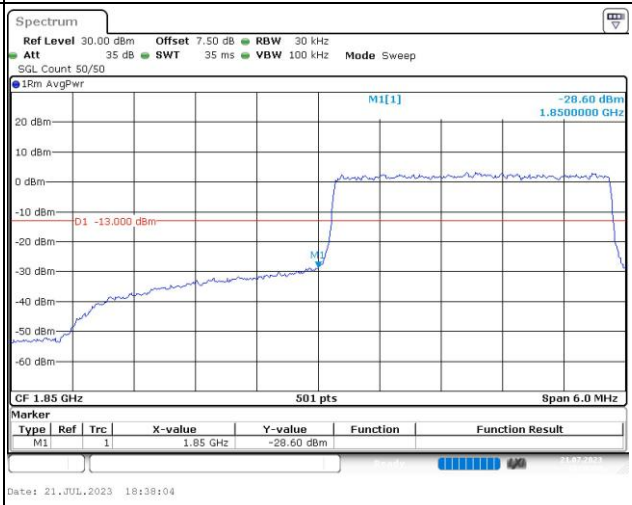
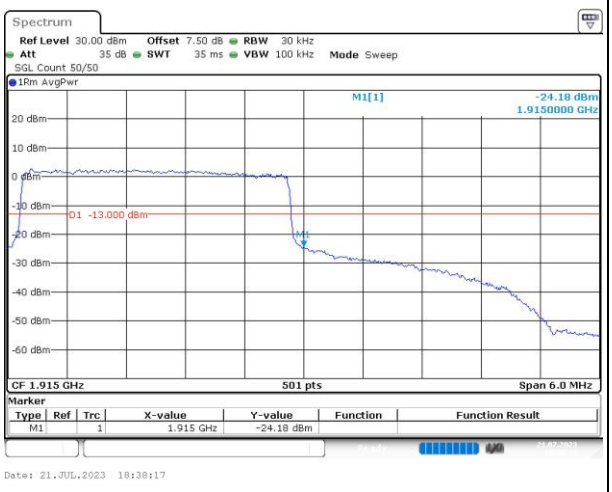
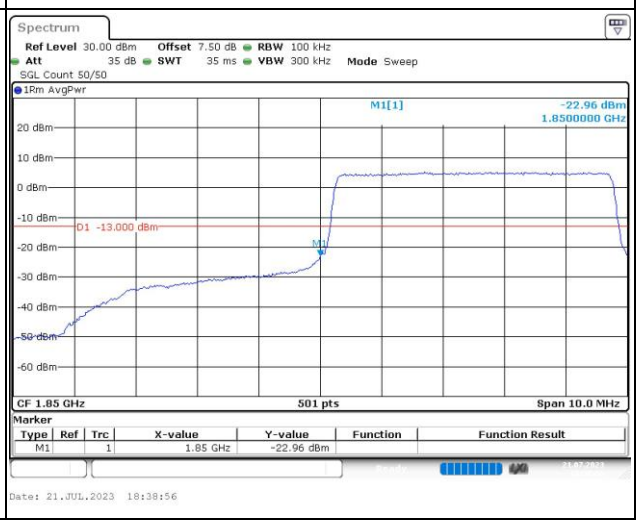
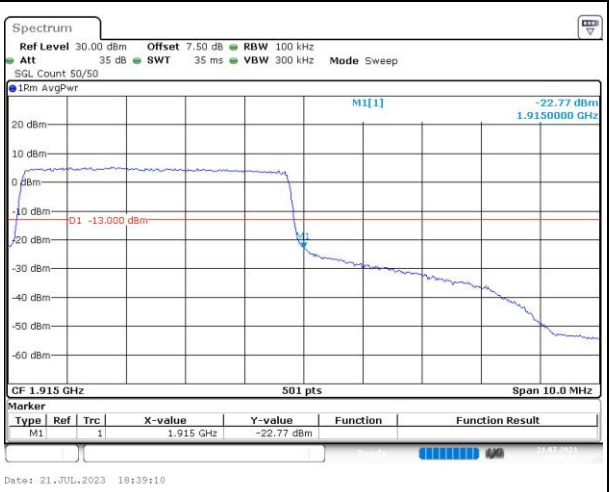
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

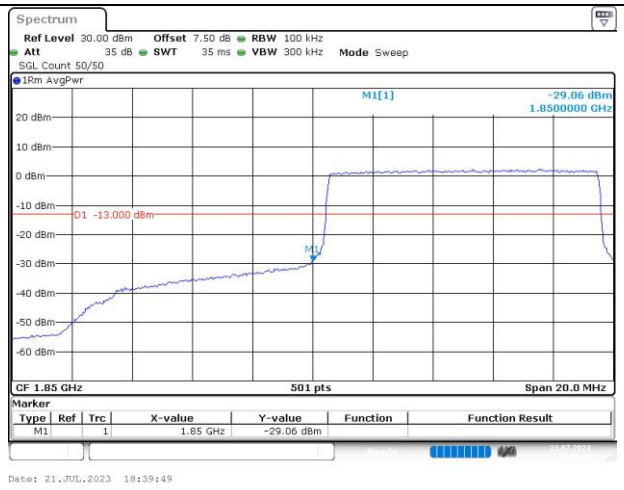
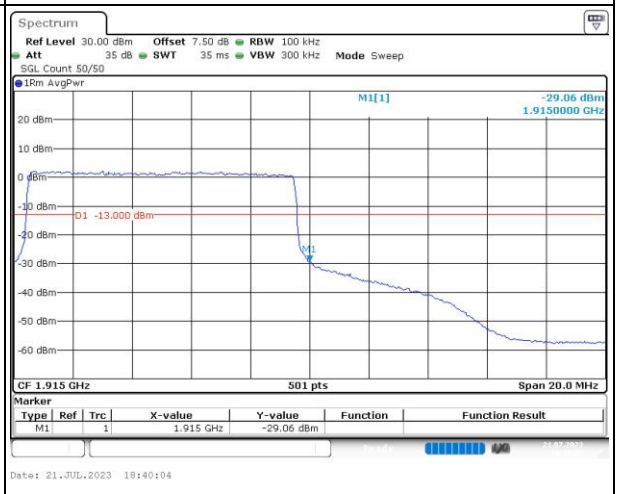
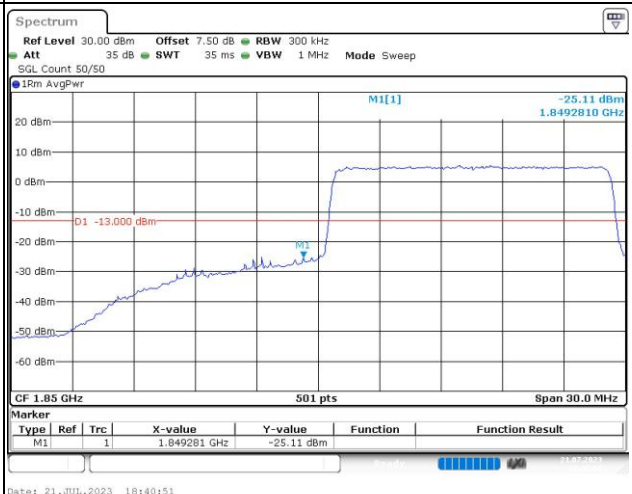
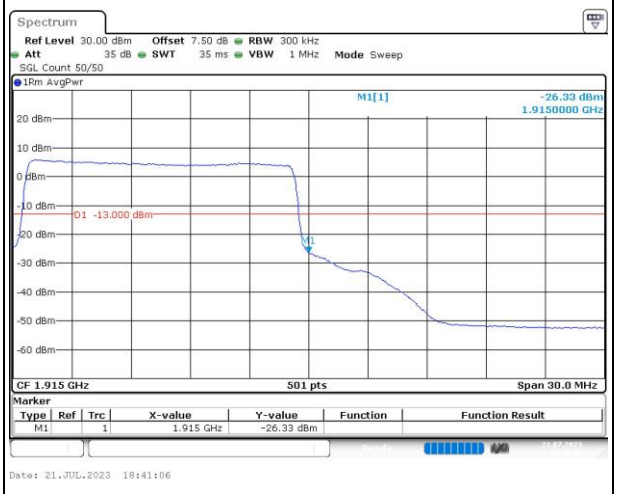
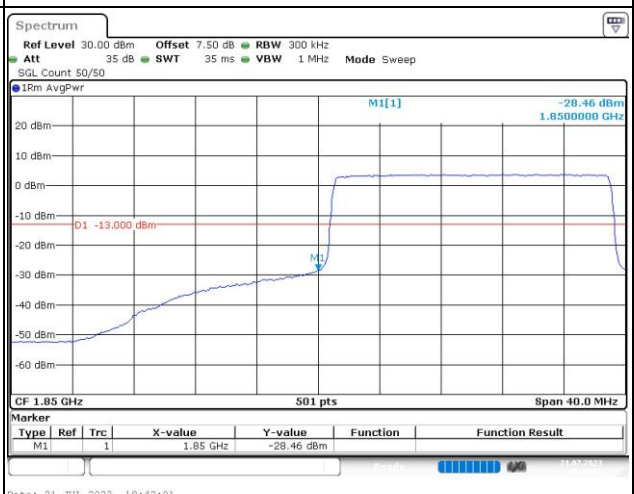
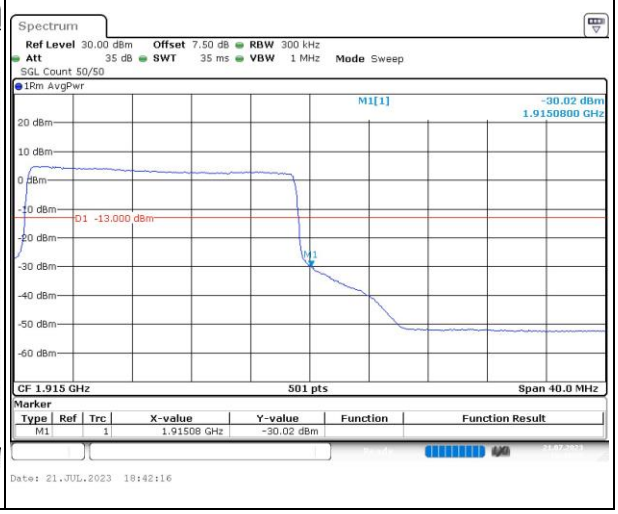
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

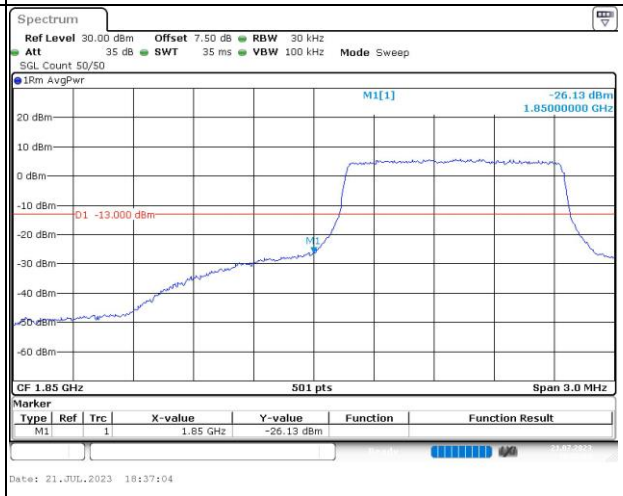
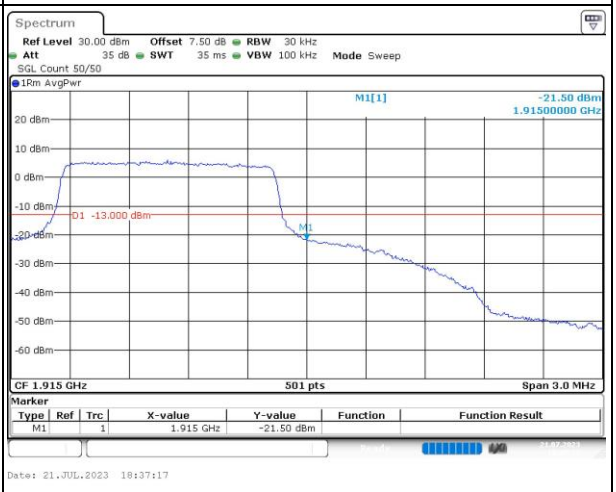
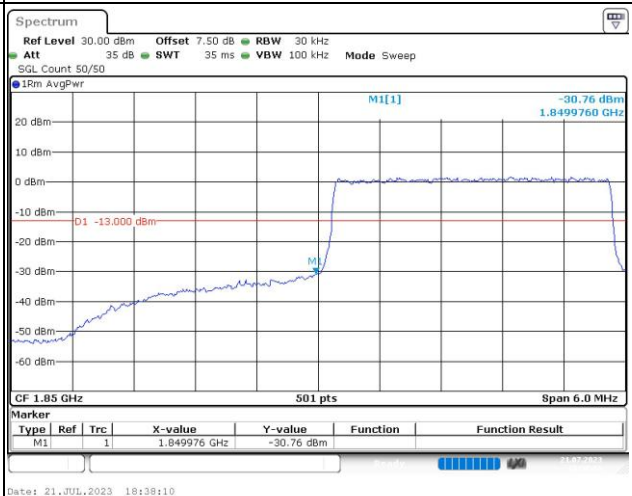
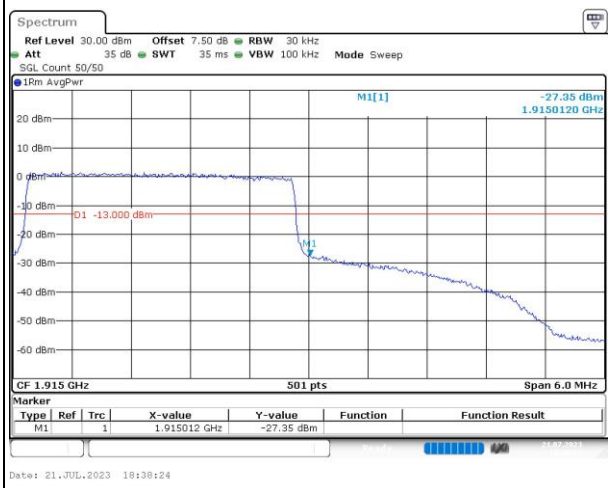
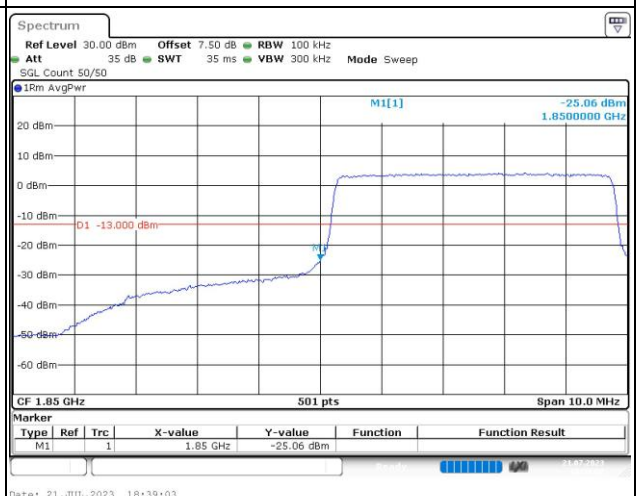
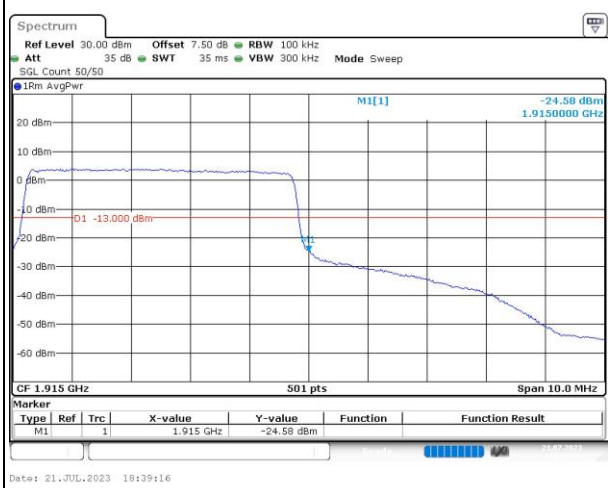
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

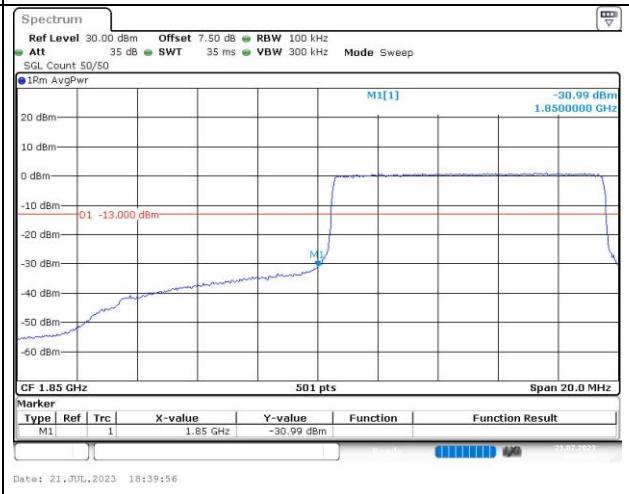
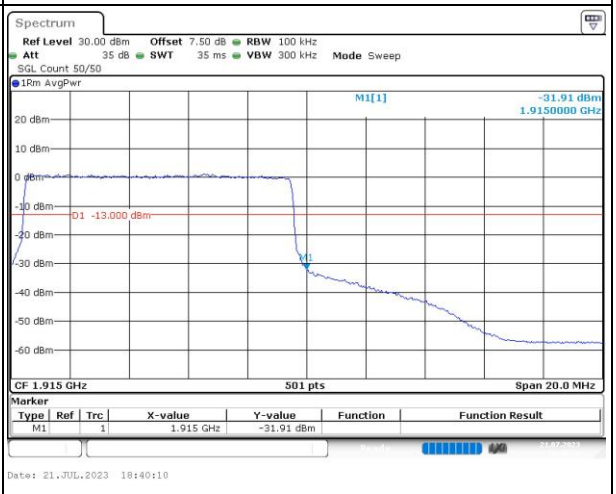
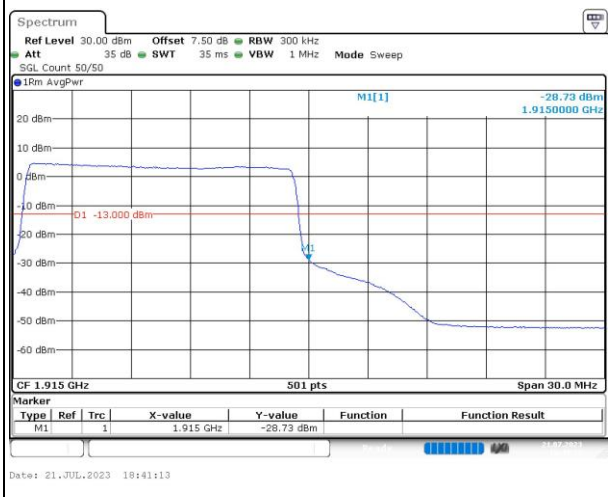
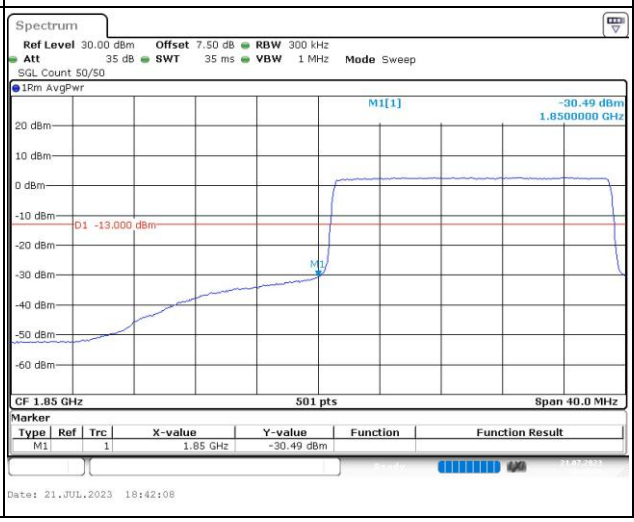
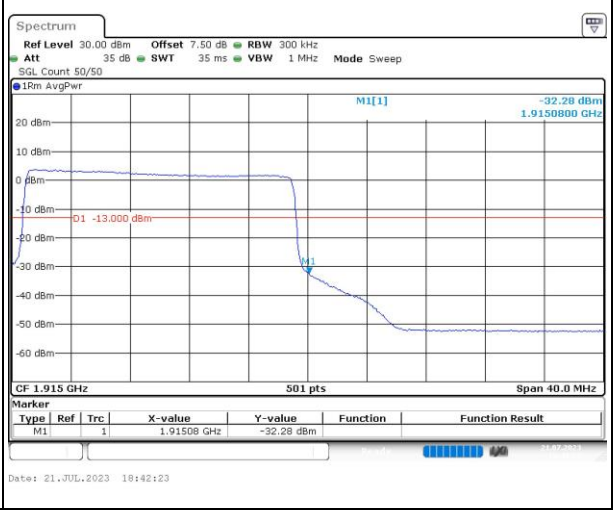
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest		
iddle		
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		
QPSK 15MHz		
QPSK 20MHz		

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		
16QAM 15MHz		
16QAM 20MHz		

4.14 Antenna Port Test Data and Results for LTE Band 26

Serial Number:	287E_1	Test Date:	2023/7/17~2023/8/25
Test Site:	RF	Test Mode:	Transmitting
Tester:	One Luo	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	25.8~27.2	Relative Humidity: (%)	46~55	ATM Pressure: (kPa)	99.1~100.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2023/7/15	2024/7/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Power Splitter	1515	RA914	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2023/7/15	2024/7/14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2022/9/29	2023/9/28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	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).*

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency For 90S (MHz)	Highest Frequency For 90S (MHz)	Channel Cross 90S and 22H	Lowest Frequency For 22H (MHz)	Middle Frequency For 22H (MHz)	Highest Frequency For 22H (MHz)
1.4MHz	814.7	823.3	824	824.7	831.5	848.3
3MHz	815.5	822.5	824	825.5	831.5	847.5
5MHz	816.5	821.5	824	826.5	831.5	846.5
10MHz	819	/	824	829	831.5	844
15MHz	821.5	/	824	831.5	836.5	841.5