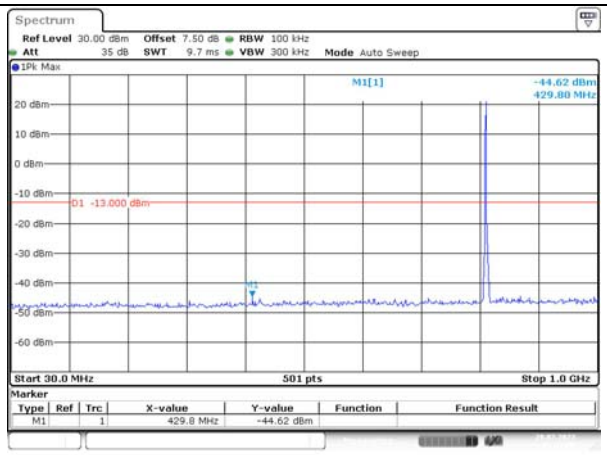
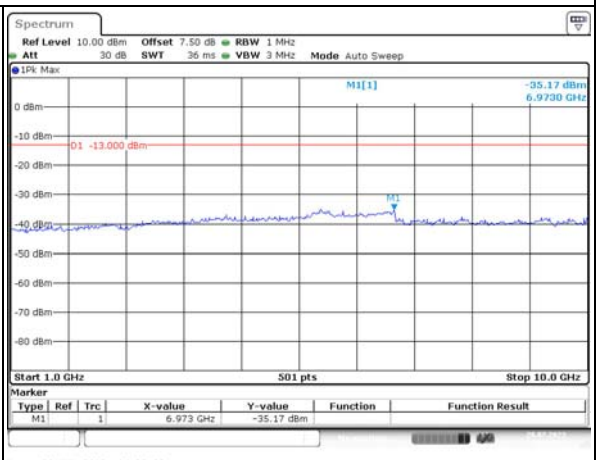
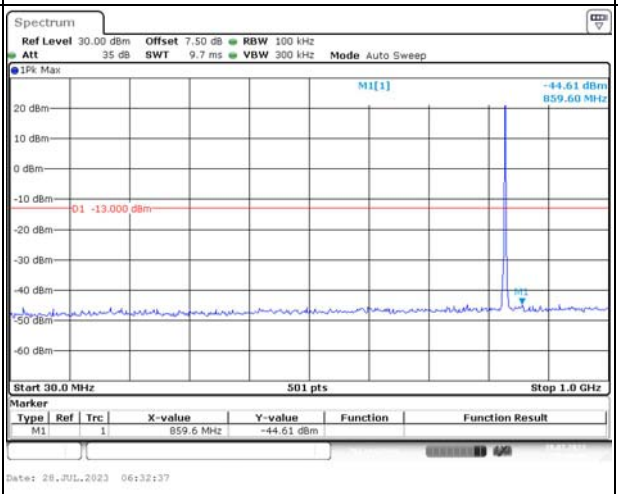
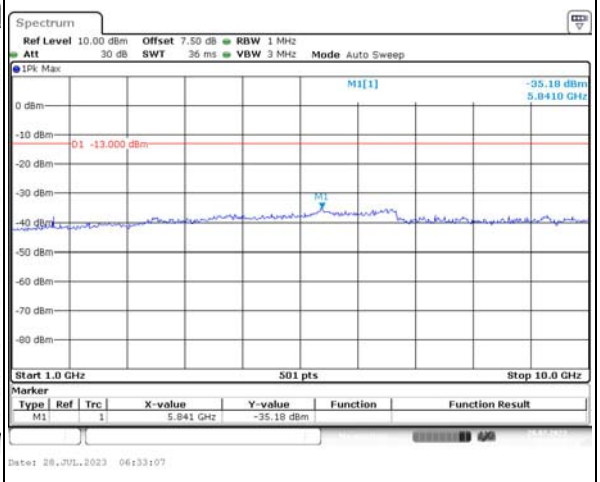
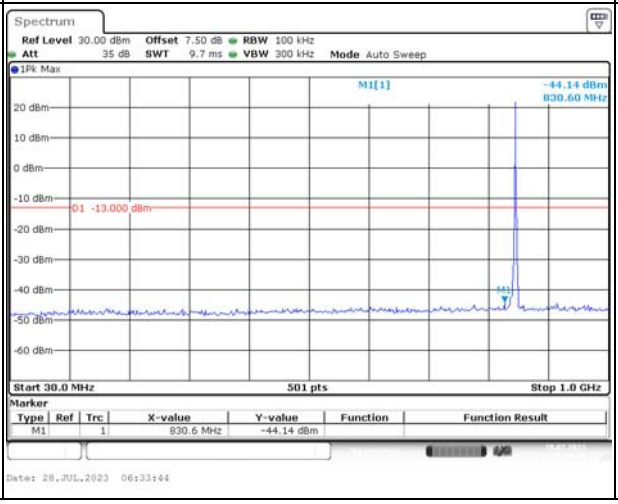
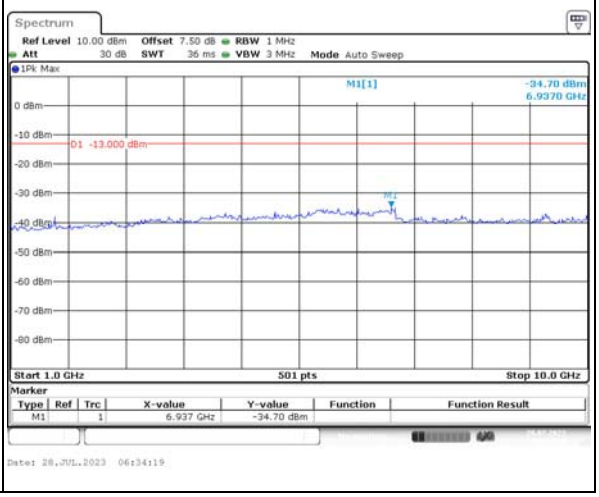
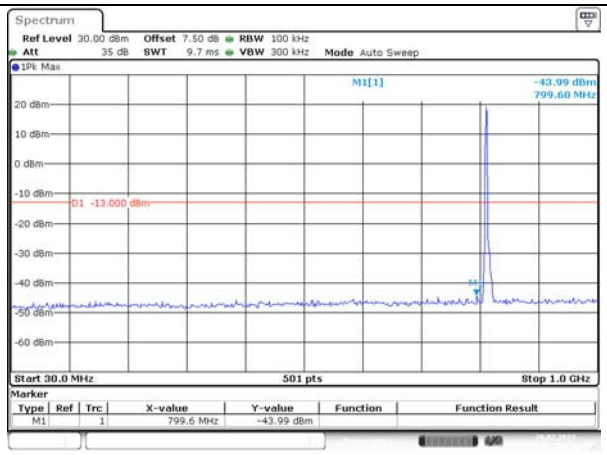
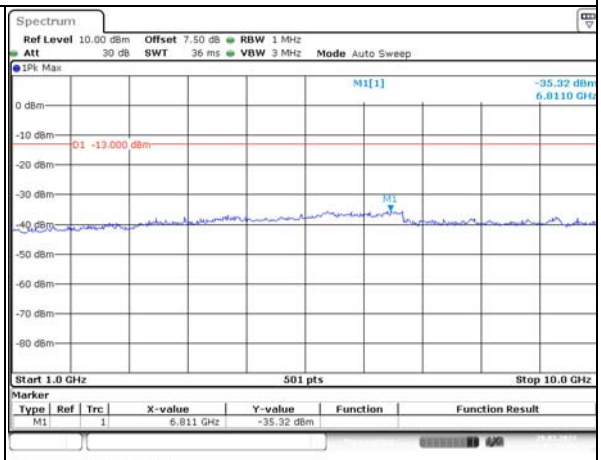
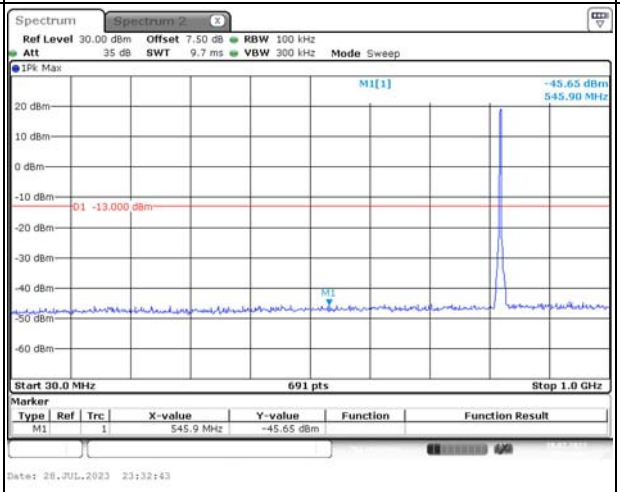
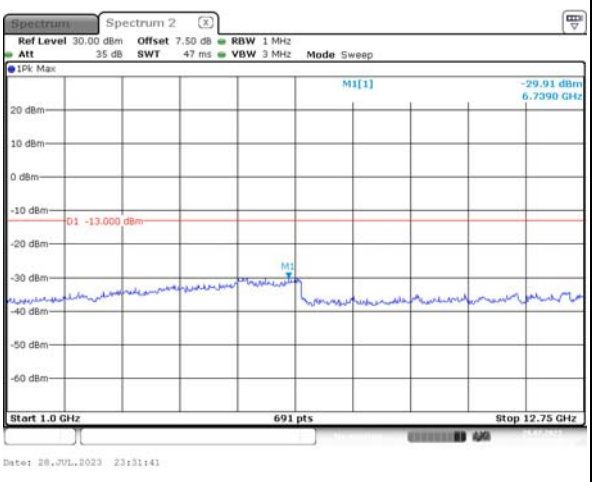
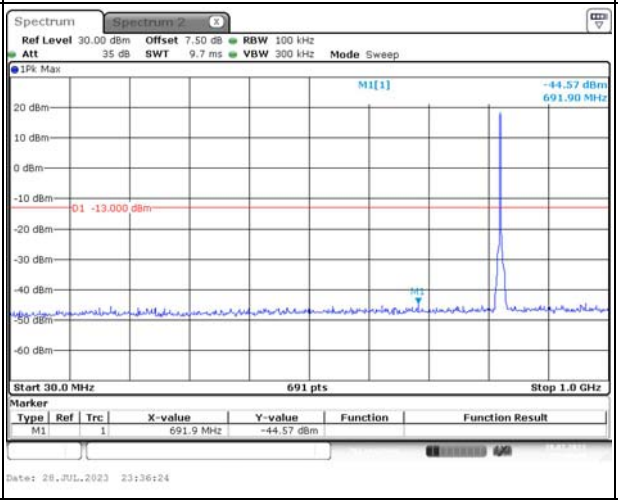
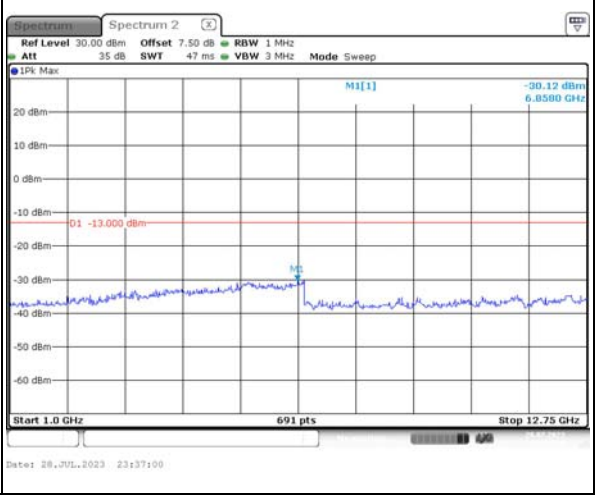
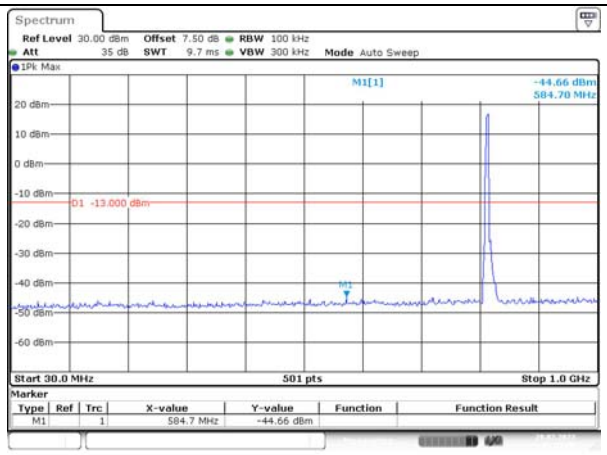
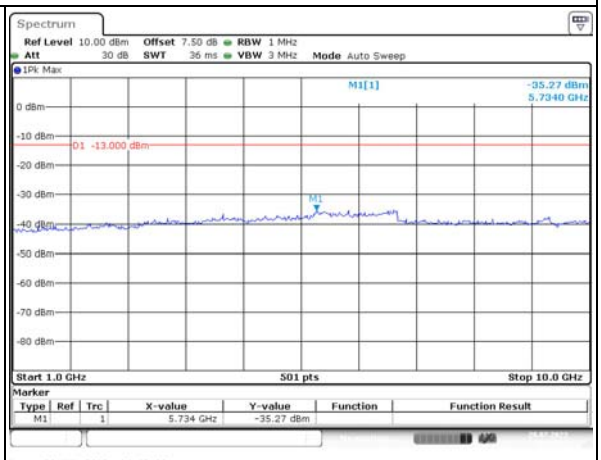
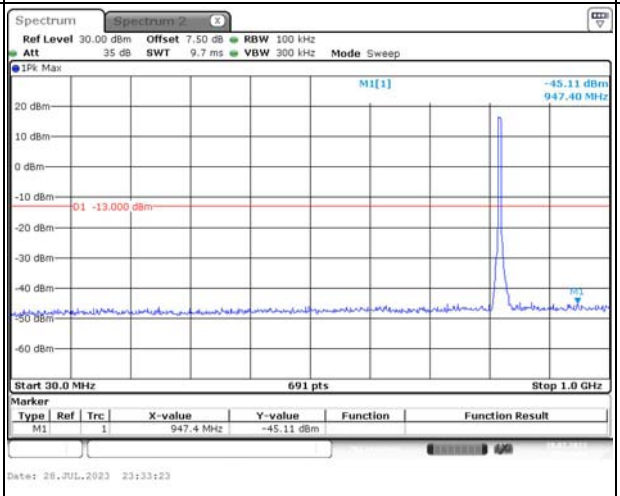
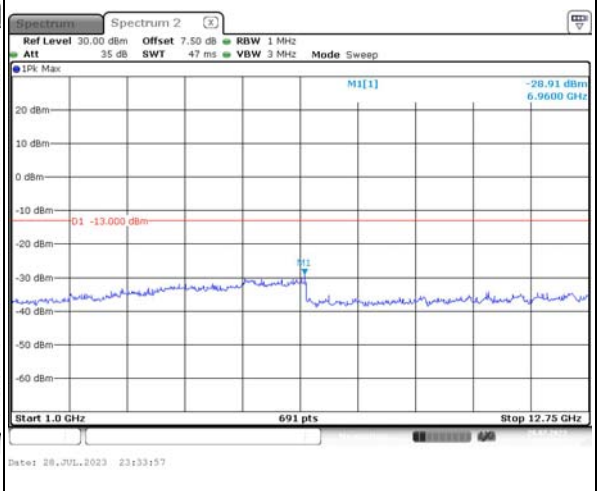
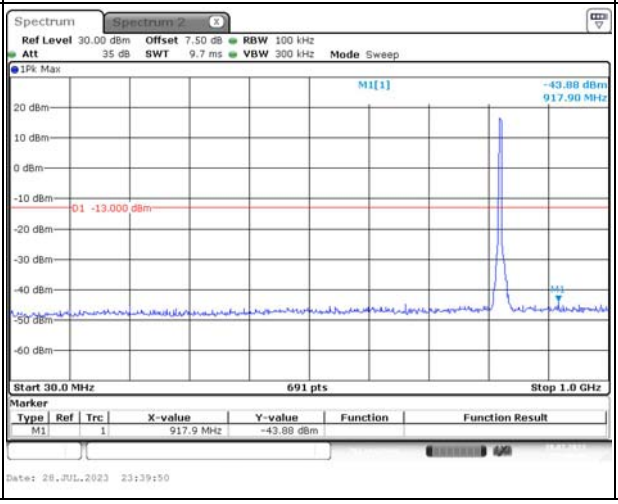
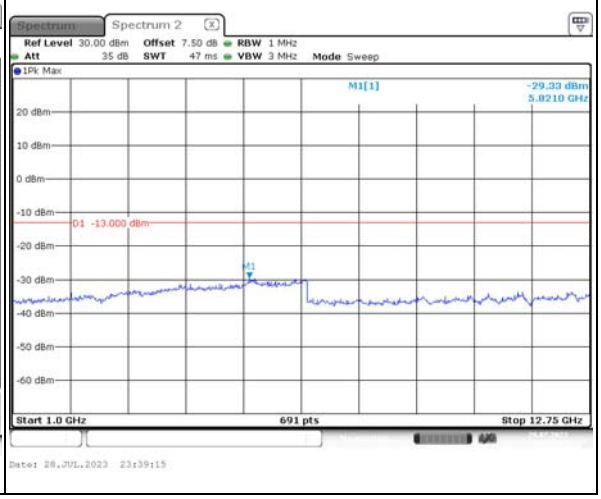
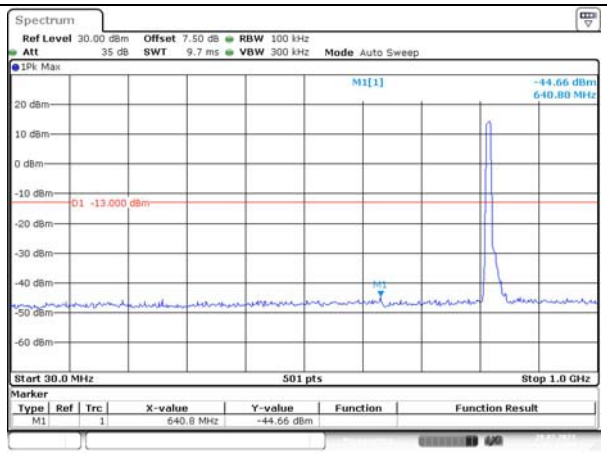
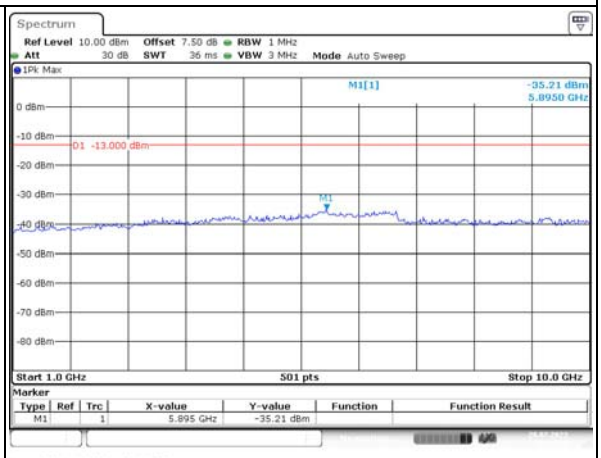
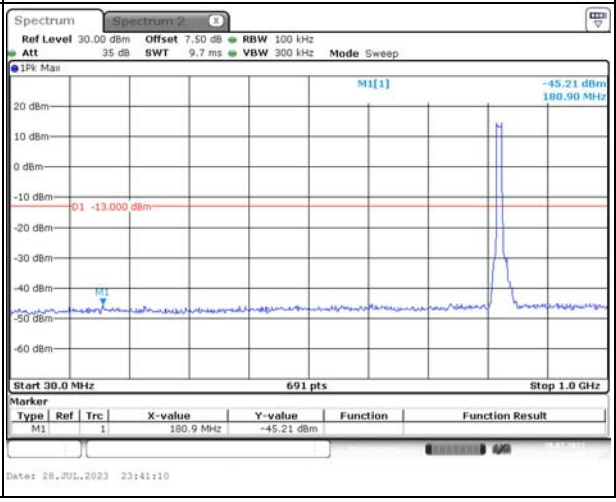
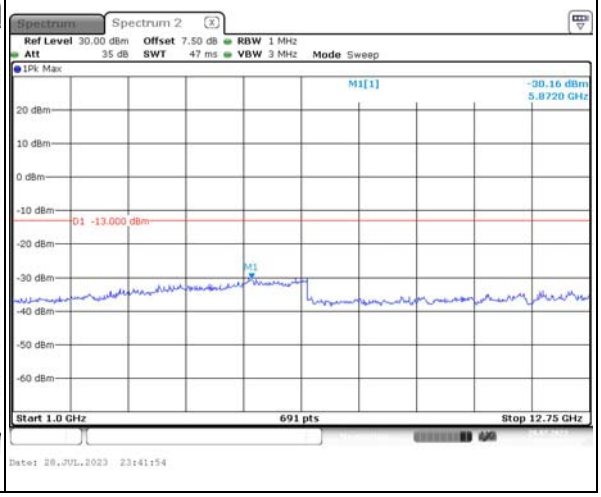
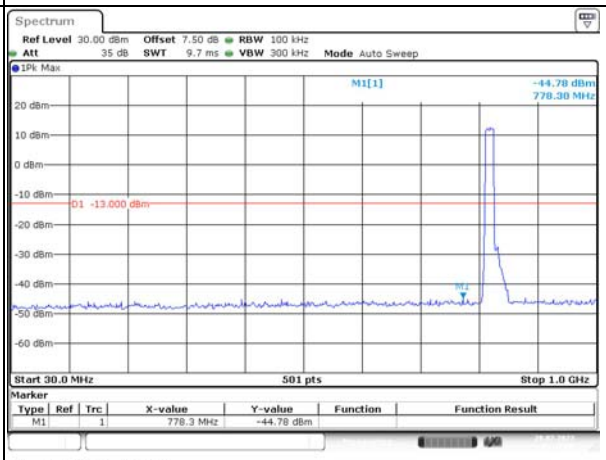
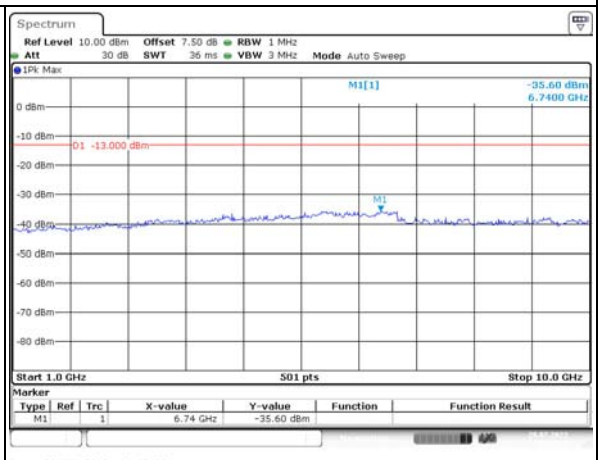
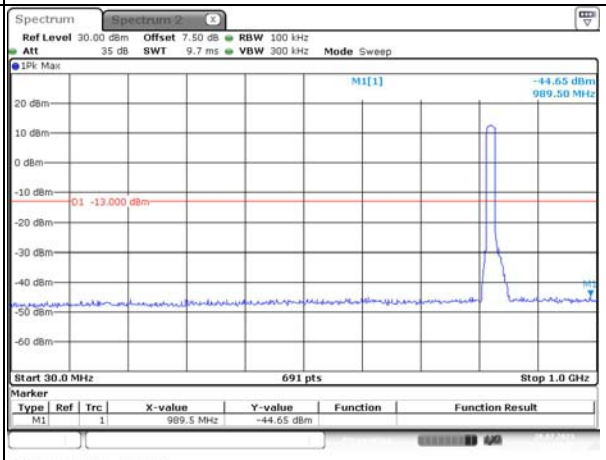
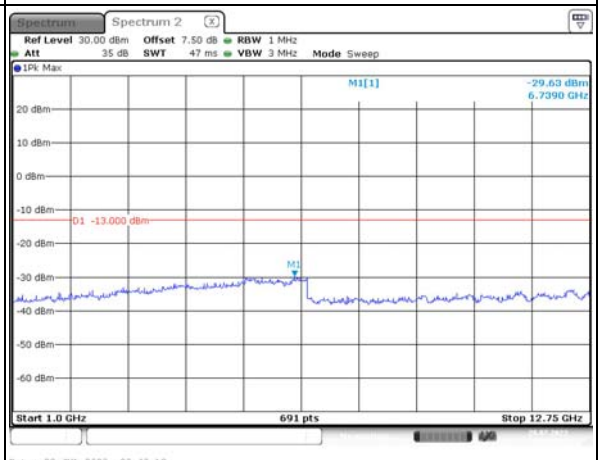
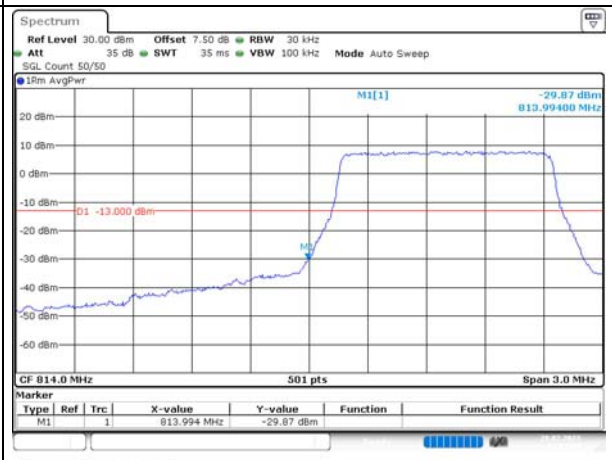
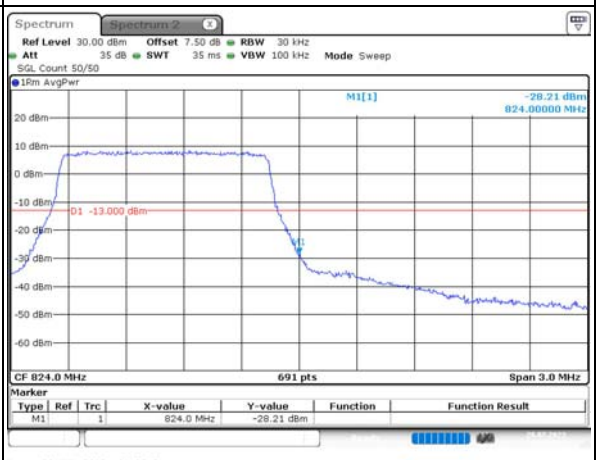
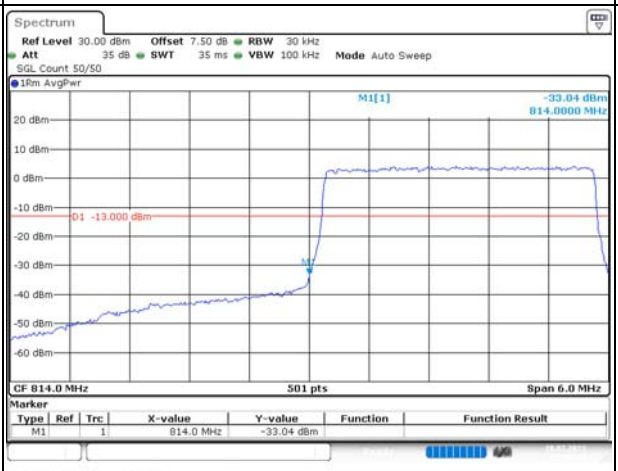
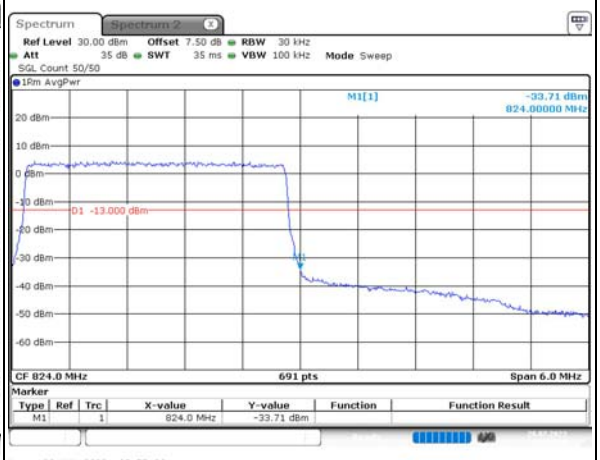
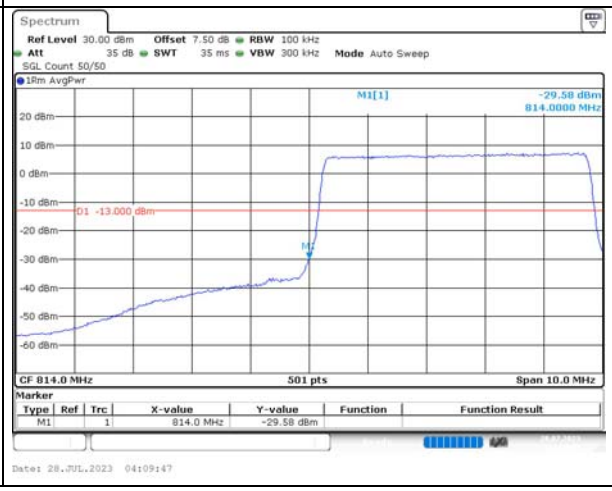
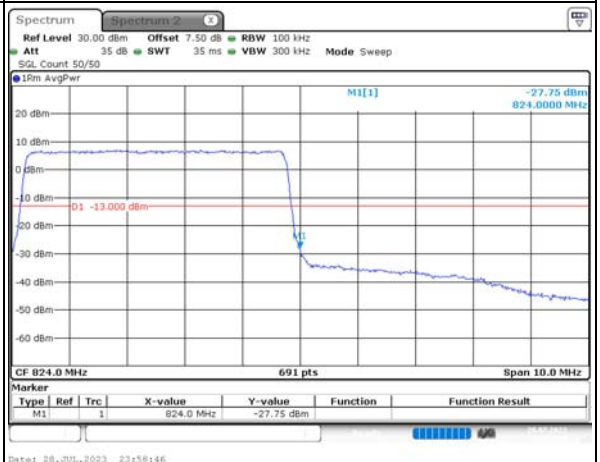
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest For 90S		
Highest For 90S		
Cross Channel		

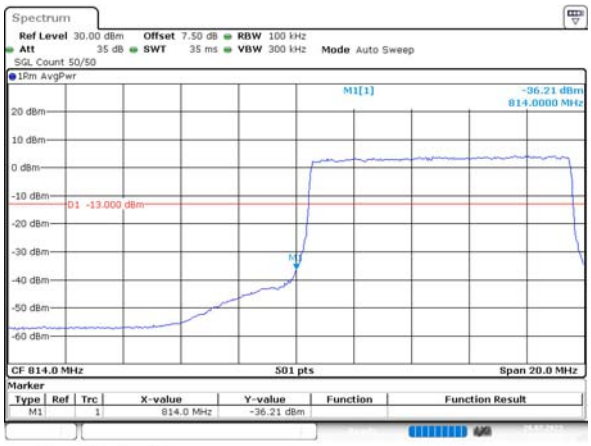
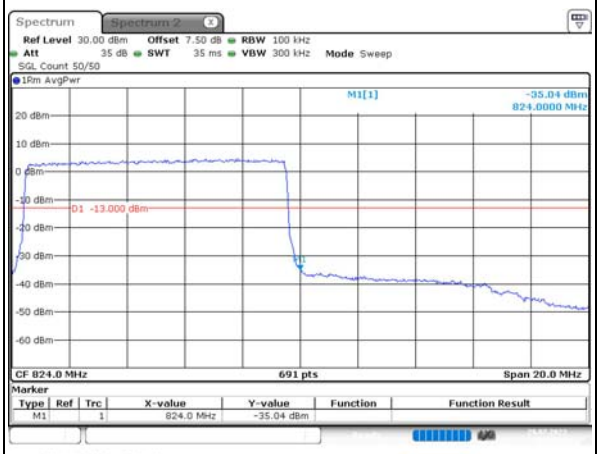
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest For 90S		
Highest For 90S		
Cross Channel		

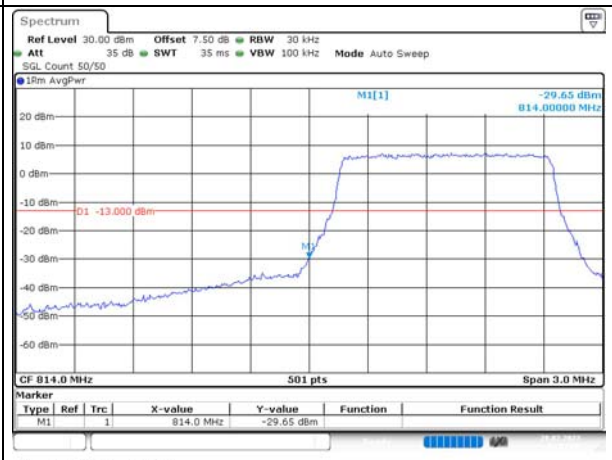
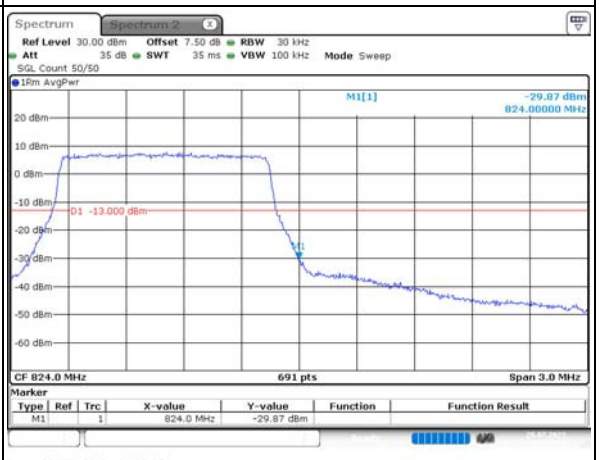
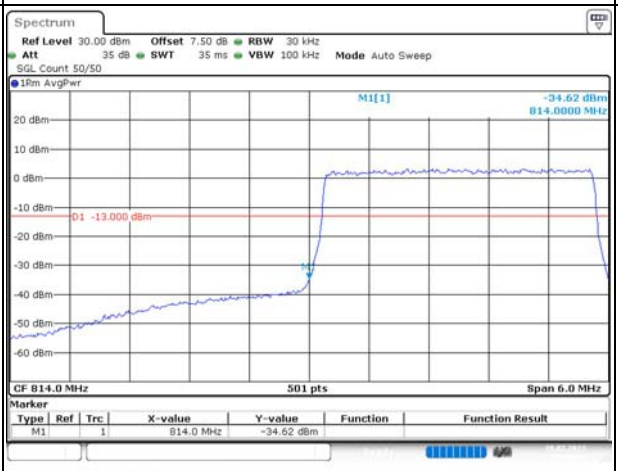
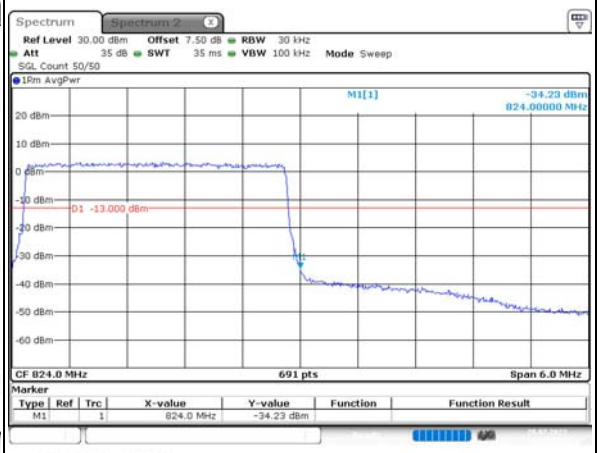
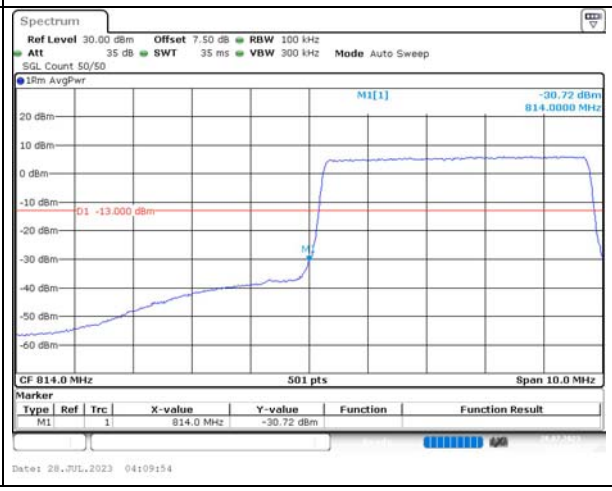
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest For 90S		
Highest For 90S		
Cross Channel		

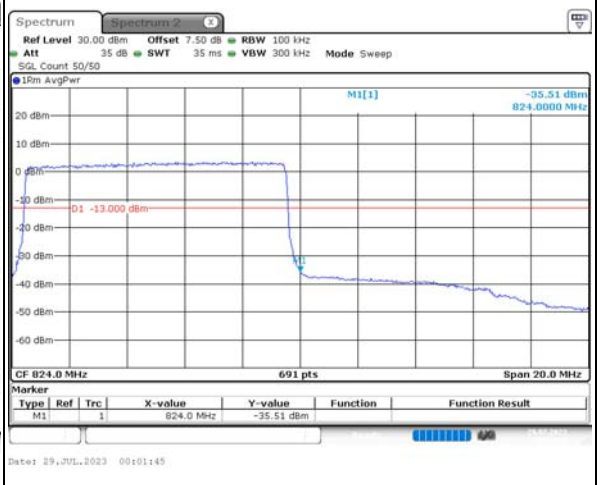
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest For 90S		
Cross Channel		

Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest For 90S		
Cross Channel		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 1.4MHz For 90S		
QPSK 3MHz For 90S		
QPSK 5MHz For 90S		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 10MHz For 90S		
QPSK 15MHz Across 90S and 22H		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz For 90S		
16QAM 3MHz For 90S		
16QAM 5MHz For 90S		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 10MHz For 90S		
16QAM 15MHz Across 90S and 22H		

4.12.3 Test Data for Part 22H:

FCC§2.1046; § 22.913 (a): RF Output Power

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Frequency For 22H	Middle Frequency For 22H	Highest Frequency For 22H		
1.4MHz QPSK	RB1#0	23.64	23.24	23.18	21.84	38.45
	RB1#3	23.33	23.44	23.36		
	RB1#5	23.06	23.23	23.15		
	RB3#0	23.37	23.41	23.42		
	RB3#3	23.18	23.39	23.27		
	RB6#0	23.06	22.32	22.28		
1.4MHz 16QAM	RB1#0	22.55	22.27	22.23	20.97	38.45
	RB1#3	22.77	22.48	22.42		
	RB1#5	22.18	22.29	22.21		
	RB3#0	22.39	22.47	22.49		
	RB3#3	22.33	22.51	22.49		
	RB6#0	22.31	21.31	21.33		
3MHz QPSK	RB1#0	23.64	23.3	23.28	21.89	38.45
	RB1#8	23.69	23.32	23.26		
	RB1#14	23.46	23.28	23.23		
	RB6#0	23.21	22.25	22.2		
	RB6#9	23.1	22.24	22.25		
	RB15#0	23.11	22.34	22.31		
3MHz 16QAM	RB1#0	22.96	22.35	22.89	21.16	38.45
	RB1#8	22.96	22.35	22.79		
	RB1#14	22.93	22.3	22.79		
	RB6#0	22.84	21.27	21.34		
	RB6#9	22.33	21.29	21.34		
	RB15#0	22.08	21.43	21.42		
5MHz QPSK	RB1#0	23.43	23.23	23.21	21.79	38.45
	RB1#13	23.15	23.32	23.29		
	RB1#24	23.59	23.23	23.17		
	RB15#0	23.25	22.32	22.33		
	RB15#10	23.17	22.33	22.3		
	RB25#0	23.01	22.3	22.32		
5MHz 16QAM	RB1#0	22.73	22.34	22.15	20.93	38.45
	RB1#13	22.6	22.4	22.17		
	RB1#24	22.51	22.31	22.13		
	RB15#0	22.55	21.42	21.44		
	RB15#10	22.54	21.4	21.38		
	RB25#0	22.4	21.41	21.42		
10MHz QPSK	RB1#0	23.56	23.34	23.28	21.76	38.45
	RB1#25	23.16	23.42	23.48		
	RB1#49	23.18	23.36	23.32		
	RB25#0	23.3	22.39	22.41		

	RB25#25	22.68	22.42	22.35		
	RB50#0	23	22.43	22.38		
10MHz 16QAM	RB1#0	22.49	22.32	22.83	21.24	38.45
	RB1#25	22.29	22.53	23.04		
	RB1#49	22.7	22.37	22.89		
	RB25#0	22.17	21.54	21.51		
	RB25#25	22.35	21.58	21.47		
	RB50#0	21.92	21.53	21.46		
15MHz QPSK	RB1#0	23.69	23.25	23.22	21.89	38.45
	RB1#38	23.13	23.38	23.33		
	RB1#74	23.4	23.31	23.26		
	RB36#0	23.36	22.37	22.41		
	RB36#39	23.16	22.45	22.36		
	RB75#0	23.07	22.39	22.34		
15MHz 16QAM	RB1#0	22.67	22.39	22.68	21.18	38.45
	RB1#38	22.98	22.53	22.7		
	RB1#74	22.55	22.48	22.61		
	RB36#0	22.46	21.42	21.39		
	RB36#39	22.58	21.48	21.4		
	RB75#0	22.51	21.46	21.41		
Note: ERP= Conducted Power(dBm) - L_C(dB) + G_T(dBd) G_T(dBd)=G_T(dBi)-2.15						
					Result:	**Pass**

Peak-to-average Ratio (PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Frequency For 22H	Middle Frequency For 22H	Highest Frequency For 22H	
15MHz QPSK	RB1#0	5.39	5.28	5.28	13
	RB75#0	5.04	5.25	5.22	13
15MHz 16QAM	RB1#0	6.35	6	6.14	13
	RB75#0	6.03	6.14	6.14	13
				Result:	**Pass**

FCC §2.1049, §22.905: Occupied Bandwidth						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Lowest Frequency For 22H	Middle Frequency For 22H	Highest Frequency For 22H	Lowest Frequency For 22H	Middle Frequency For 22H	Highest Frequency For 22H
1.4MHz QPSK	1.102	1.102	1.096	1.299	1.29	1.29
1.4MHz 16QAM	1.096	1.096	1.096	1.299	1.296	1.32
3MHz QPSK	2.683	2.683	2.683	2.874	2.868	2.88
3MHz 16QAM	2.683	2.683	2.683	2.886	2.892	2.88
5MHz QPSK	4.511	4.511	4.511	4.97	4.96	4.96
5MHz 16QAM	4.531	4.491	4.511	4.97	4.92	4.96
10MHz QPSK	8.942	8.942	8.982	9.701	9.6	9.64
10MHz 16QAM	8.982	8.942	8.982	9.701	9.68	9.64
15MHz QPSK	13.413	13.473	13.413	14.58	14.915	14.58
15MHz 16QAM	13.533	13.413	13.473	14.64	14.58	14.64
Note: The test plots please refer to the Plots of Occupied Bandwidth						

FCC §2.1051, §22.917(a): Spurious Emissions at Antenna Terminal	
Result:	**Pass. Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

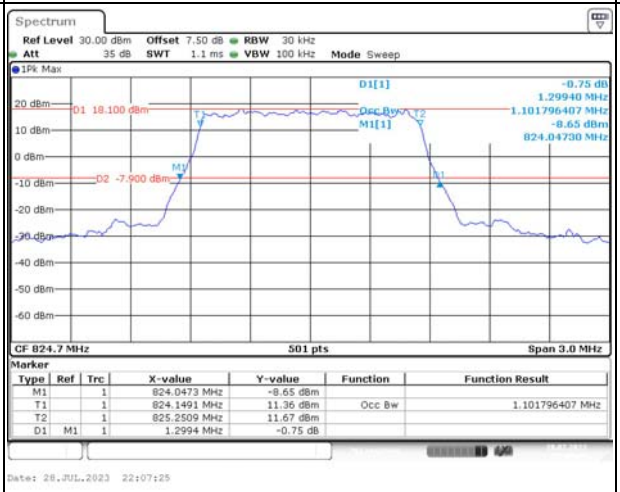
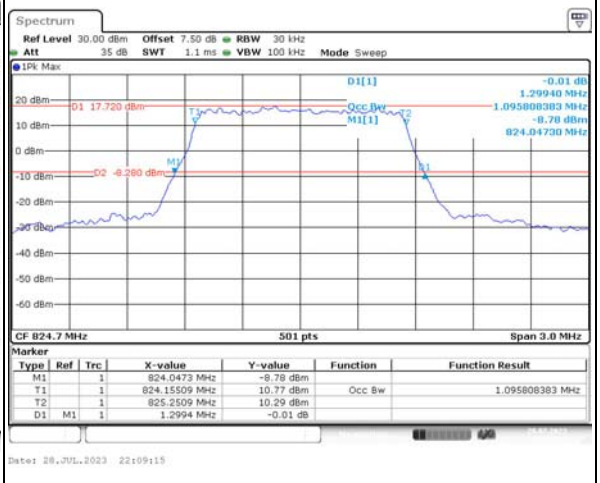
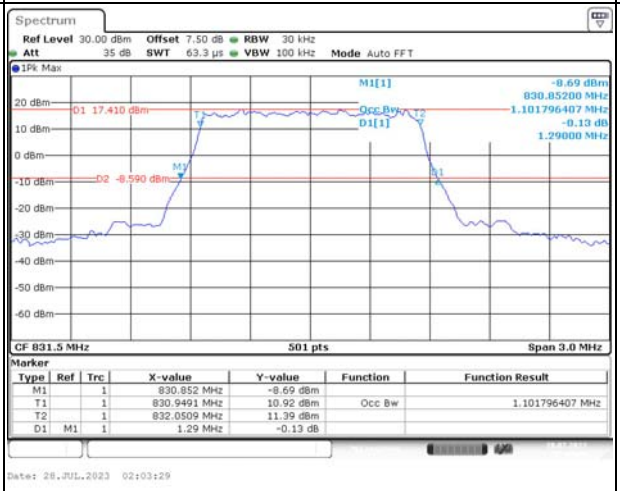
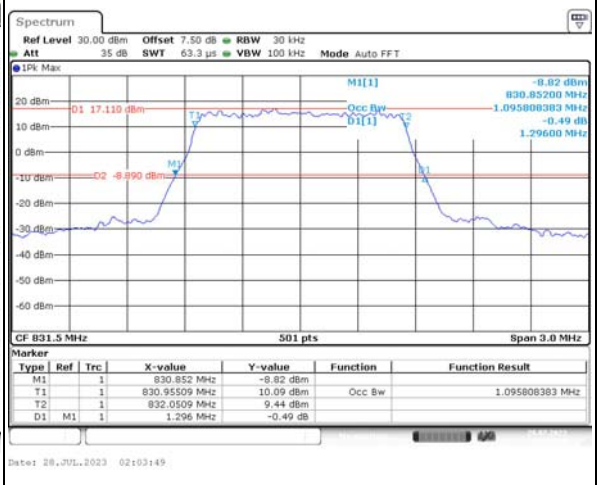
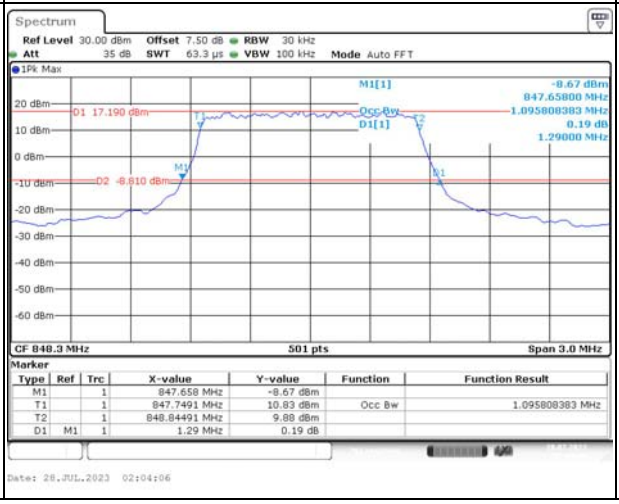
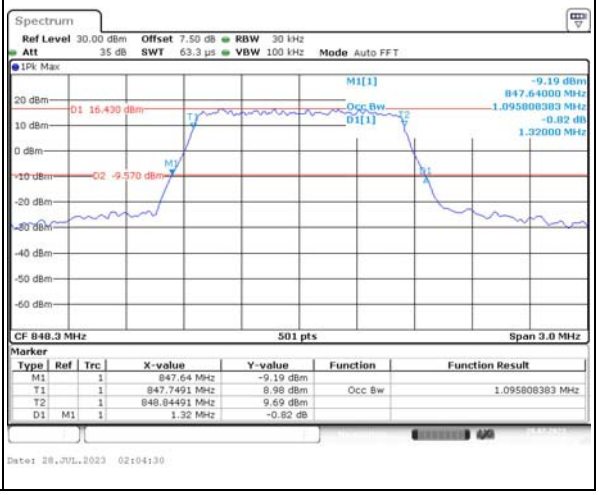
FCC §2.1051, §22.917(a): Out of band emission, Band Edge	
Result:	**Pass. Please refer to the test plots of Out of band emission, Band Edge.**

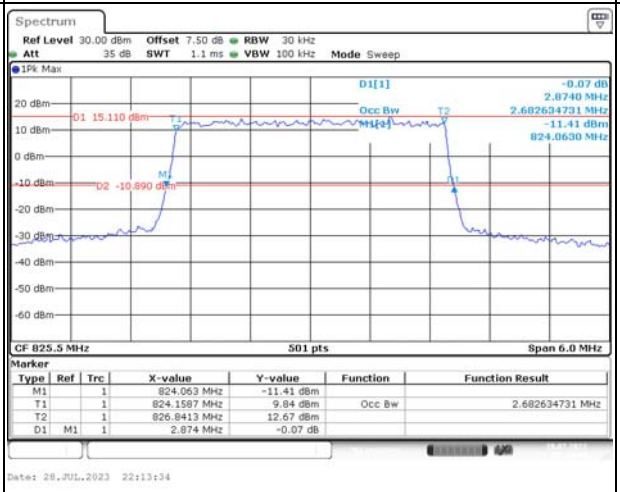
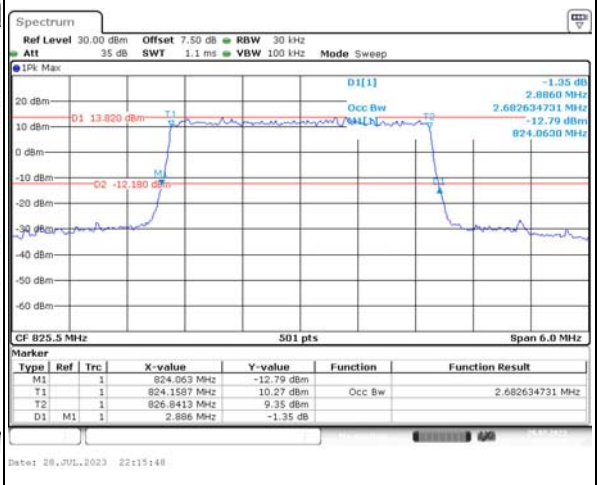
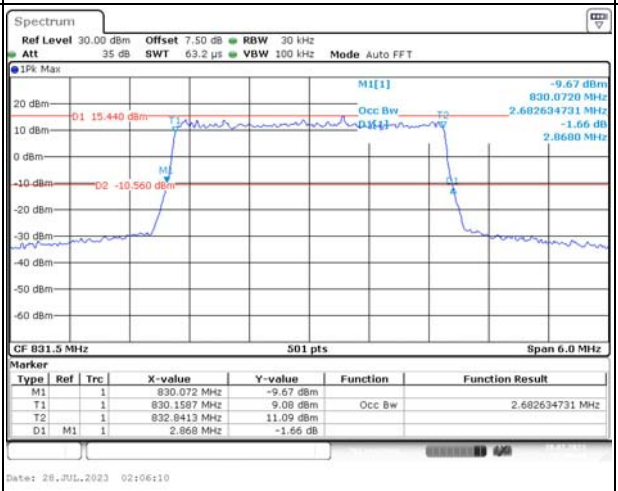
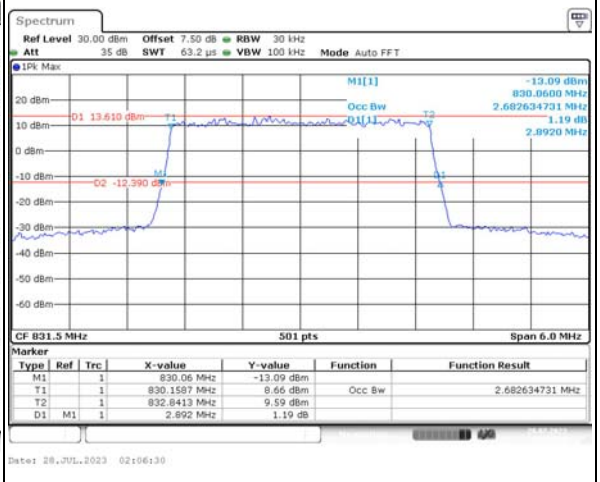
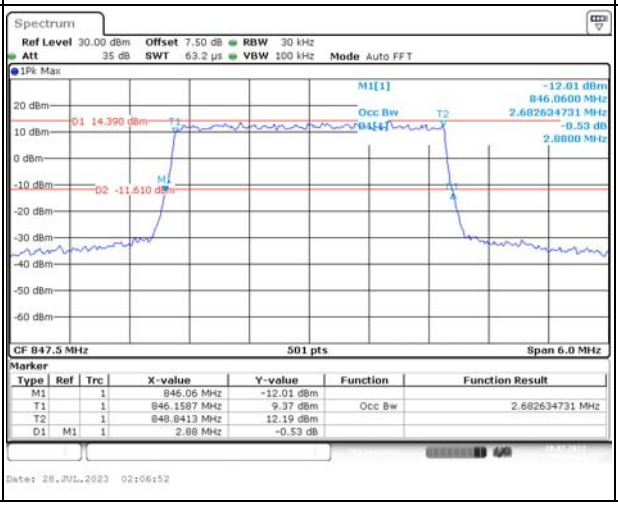
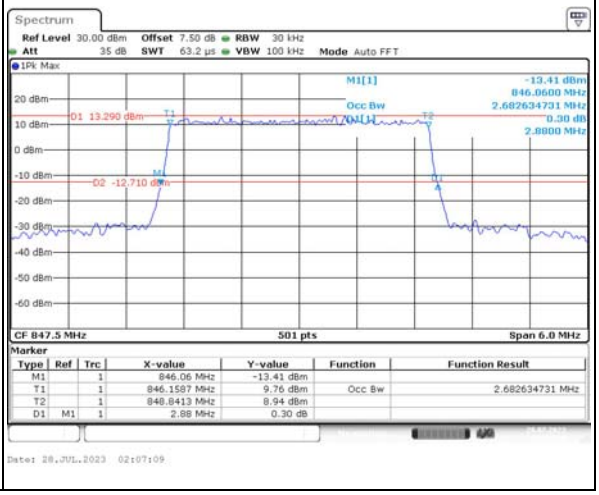
FCC §2.1055, §22.355: Frequency Stability					
Test Modulation:	15 MHz QPSK		Test Channel:	831.5	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	-5.28	-0.006	2.5
	-20	3.8	6.09	0.007	2.5
	-10	3.8	-7.02	-0.008	2.5
	0	3.8	7.35	0.009	2.5
	10	3.8	8.23	0.010	2.5
	20	3.8	-9.14	-0.011	2.5
	30	3.8	9.53	0.011	2.5
	40	3.8	-6.52	-0.008	2.5
	50	3.8	-7.83	-0.009	2.5
Frequency Stability vs. Voltage	20	3.65	7.38	0.009	2.5
	20	4.35	7.02	0.008	2.5
				Result:	**Pass**

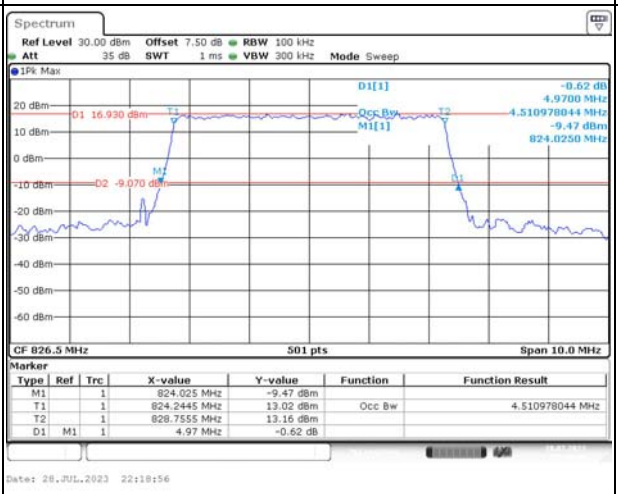
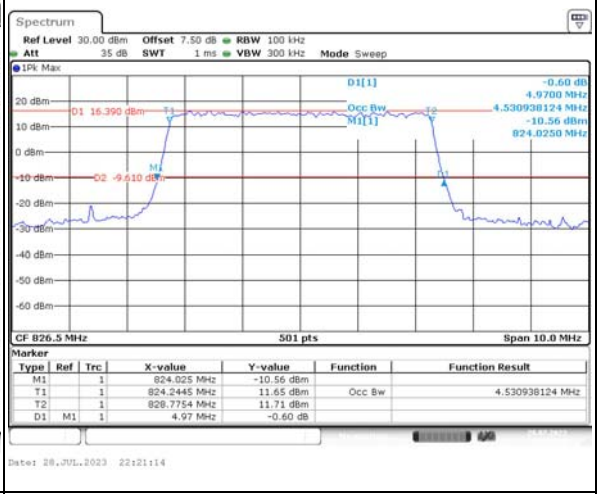
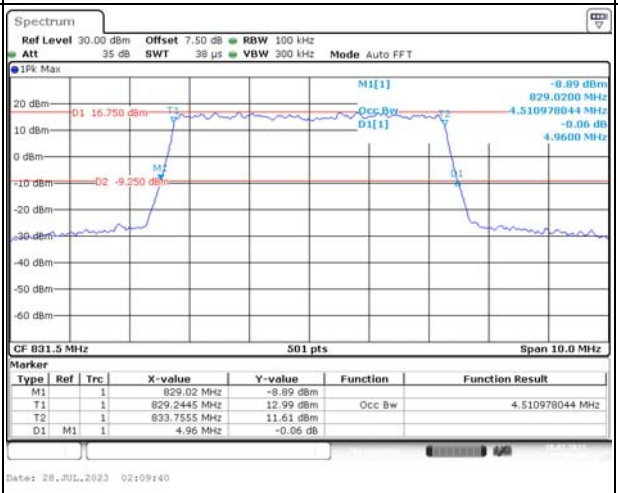
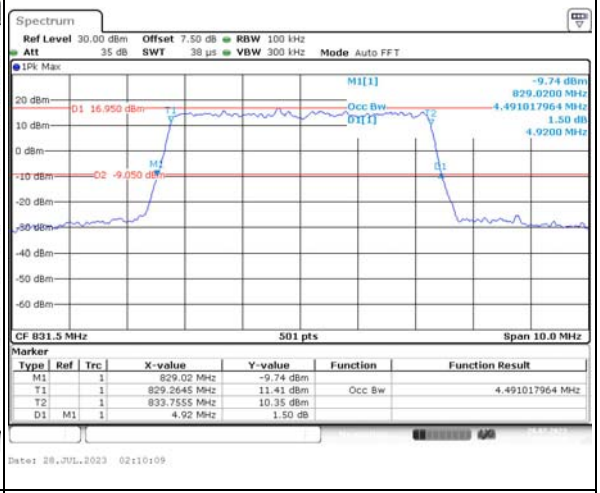
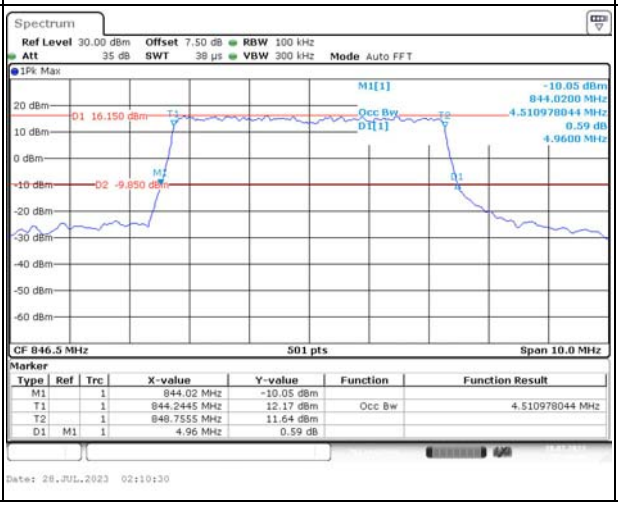
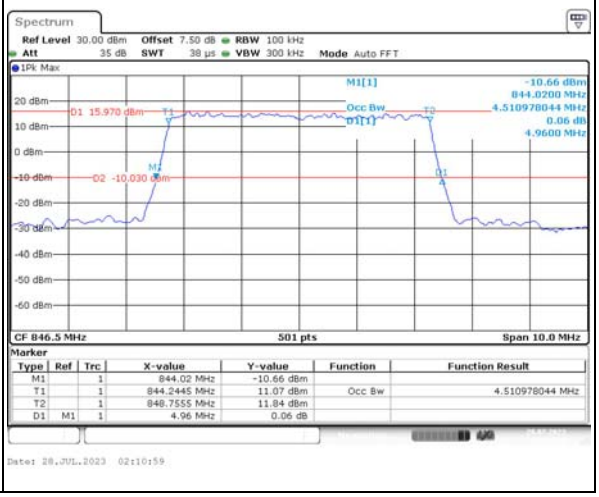
FCC §2.1055, §22.355: Frequency Stability					
Test Modulation:	15 MHz 16QAM		Test Channel:	831.5	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	-6.19	-0.007	2.5
	-20	3.8	-6.9	-0.008	2.5
	-10	3.8	-8.41	-0.010	2.5
	0	3.8	-8.47	-0.010	2.5
	10	3.8	6.4	0.008	2.5
	20	3.8	-6.95	-0.008	2.5
	30	3.8	6.53	0.008	2.5
	40	3.8	9.18	0.011	2.5
	50	3.8	7.47	0.009	2.5
Frequency Stability vs. Voltage	20	3.65	8.88	0.011	2.5
	20	4.35	-7.46	-0.009	2.5
				Result:	**Pass**

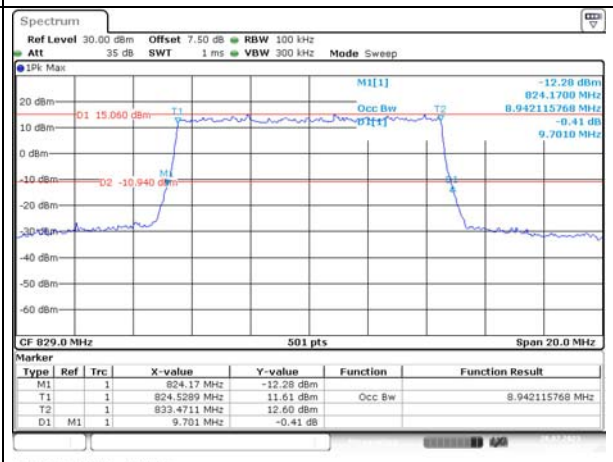
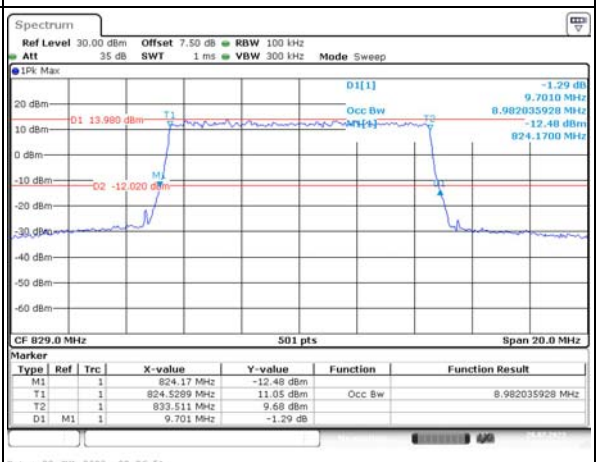
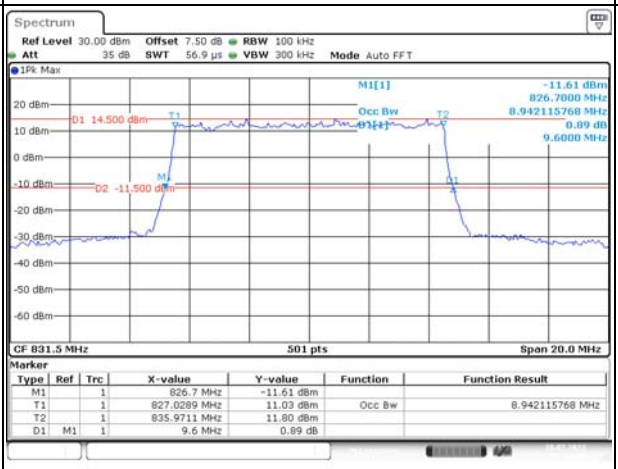
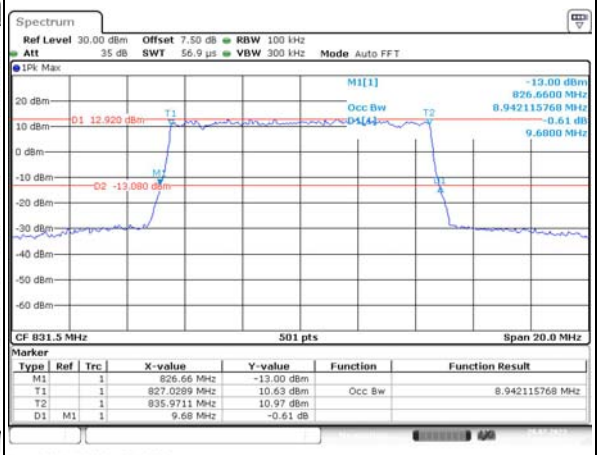
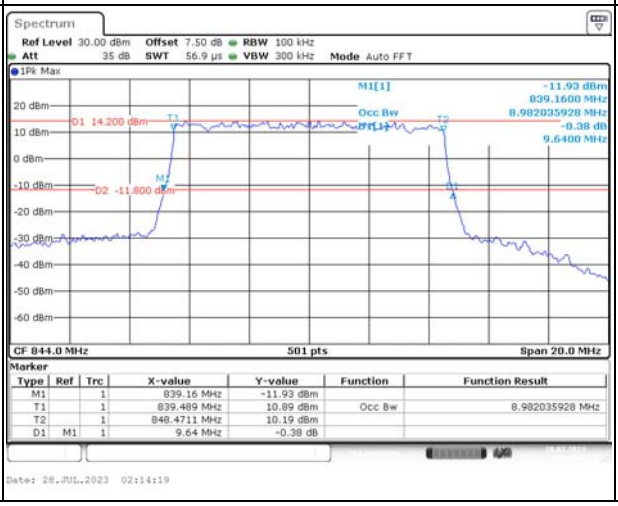
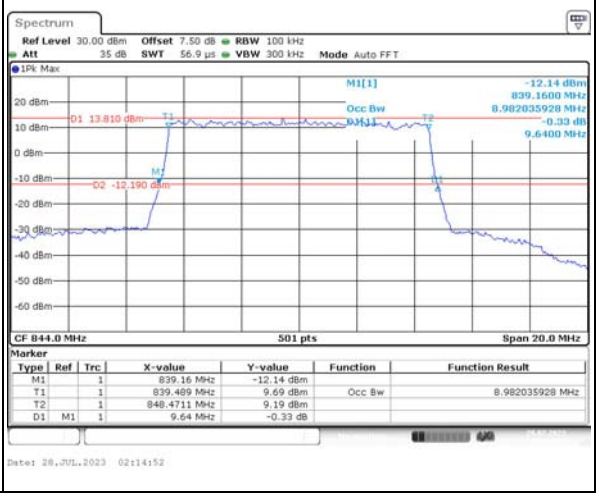
4.12.4 Test Plots for Part 22H:

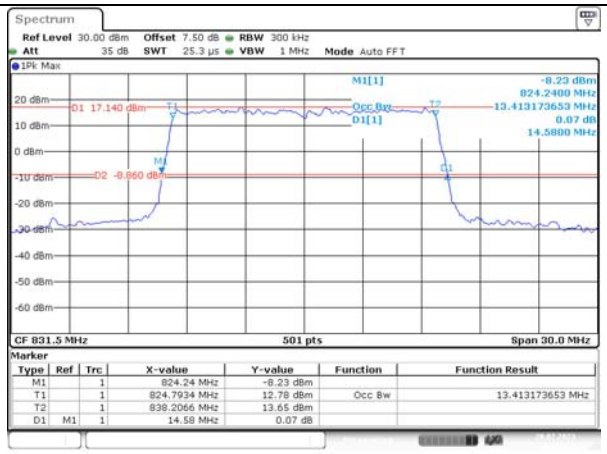
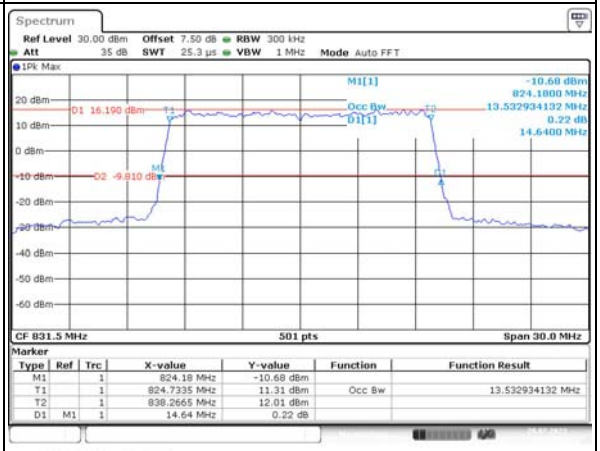
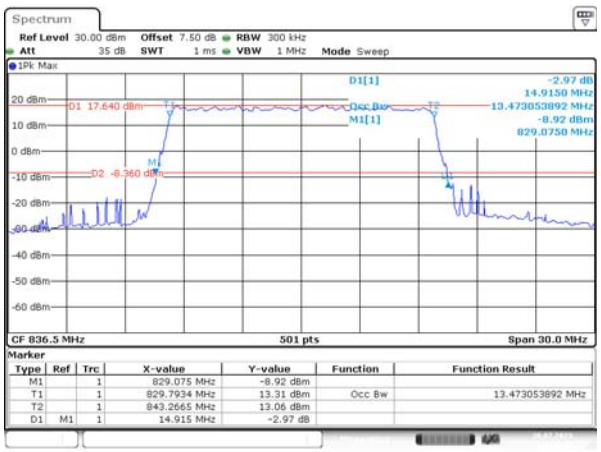
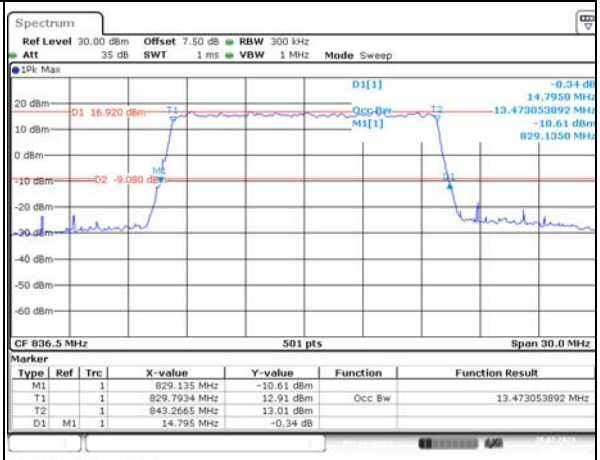
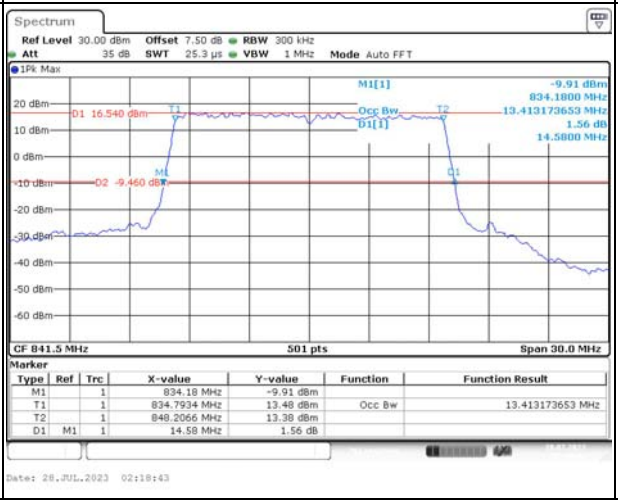
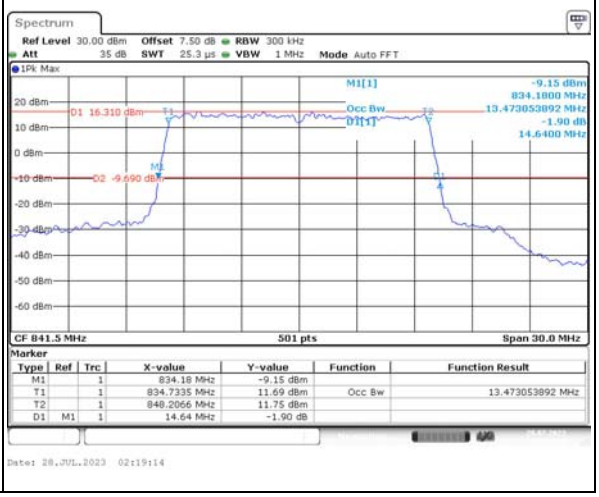
(Note: The 7.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

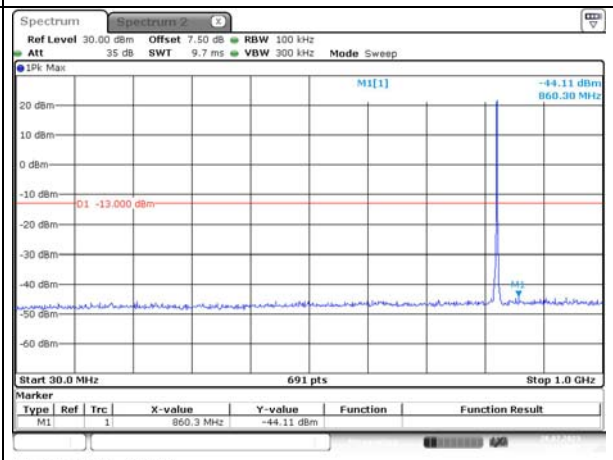
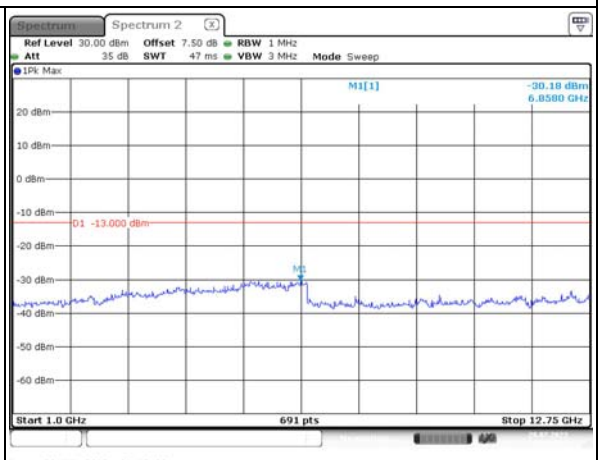
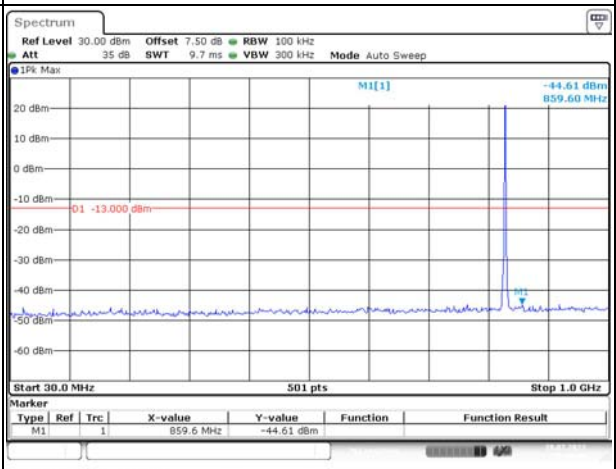
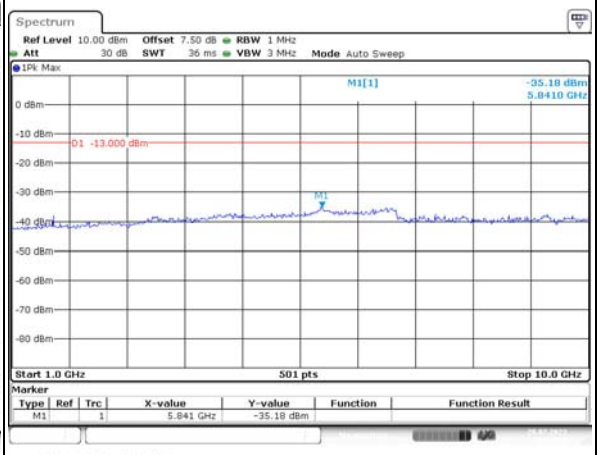
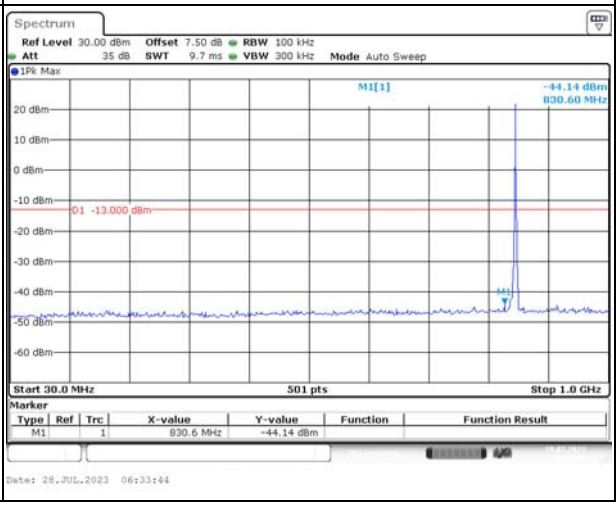
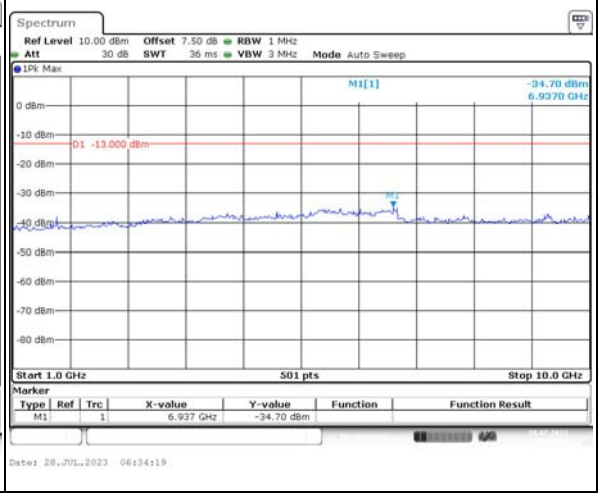
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest For 22H		
Middle For 22H		
Highest For 22H		

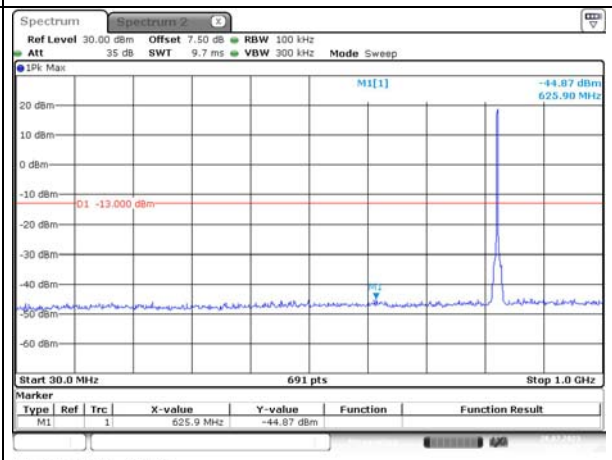
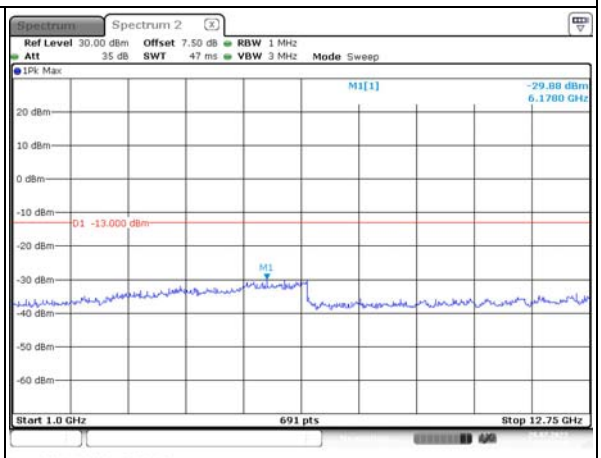
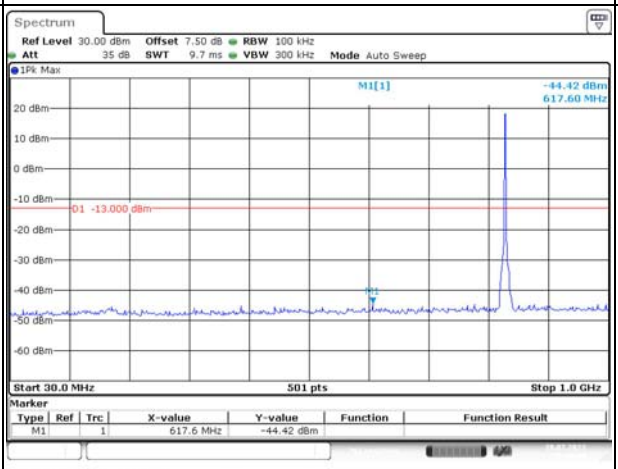
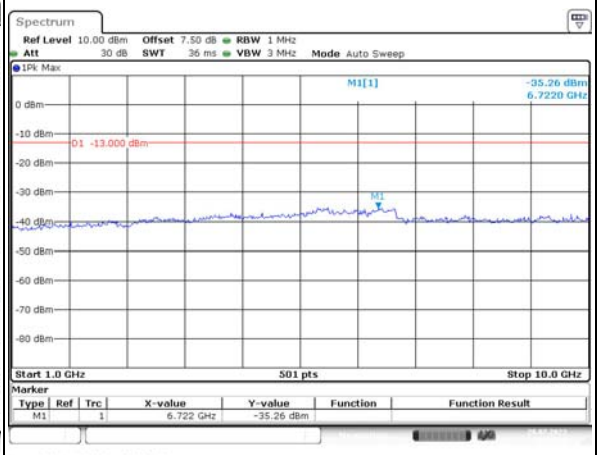
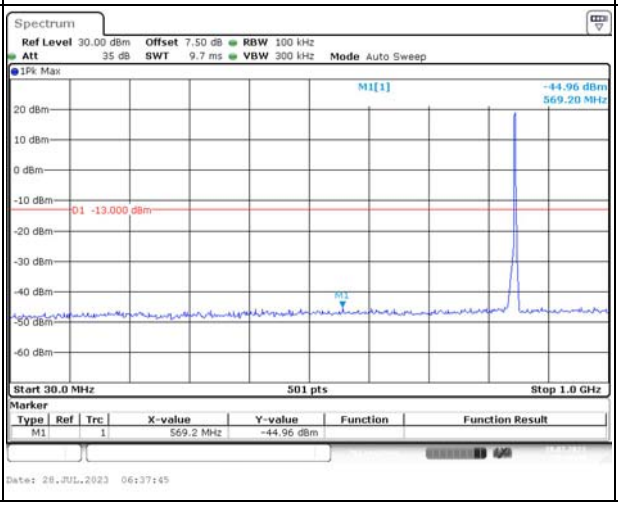
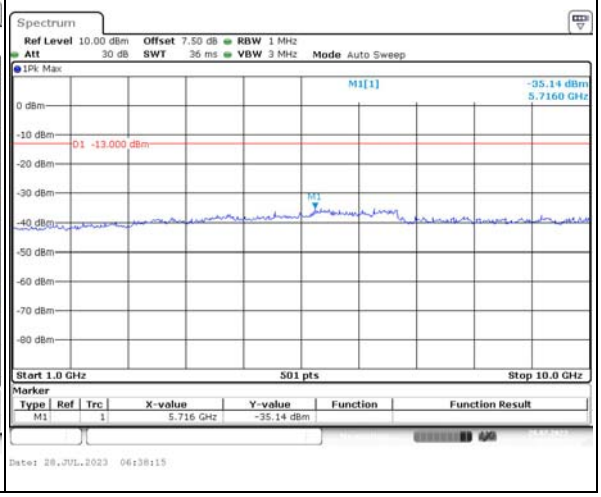
Occupied Bandwidth		
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest For 22H		
Middle For 22H		
Highest For 22H		

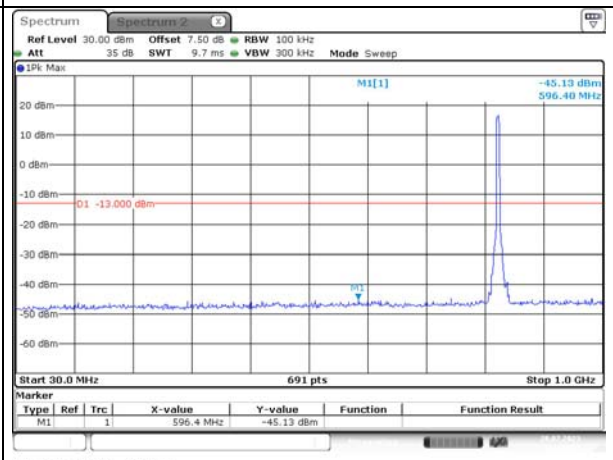
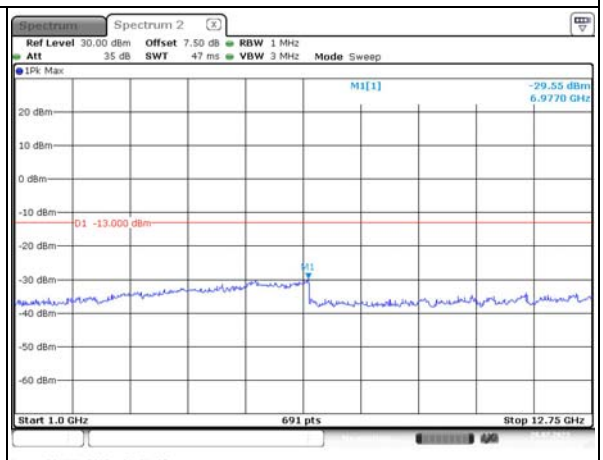
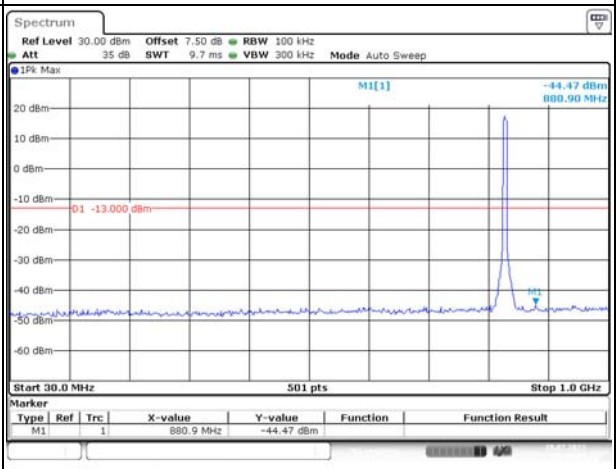
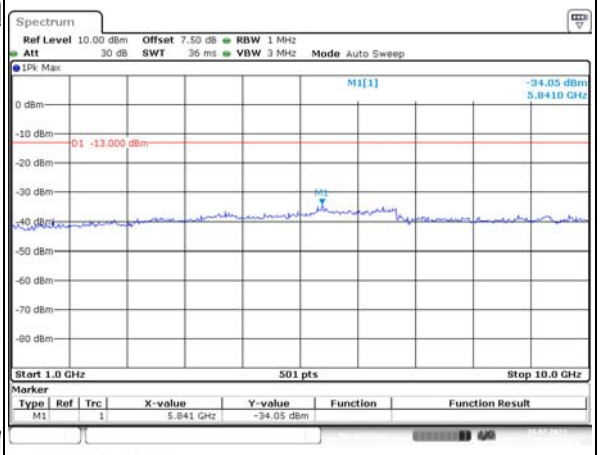
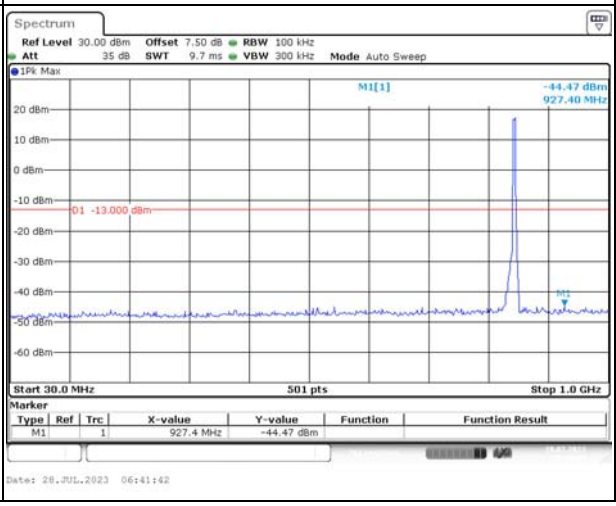
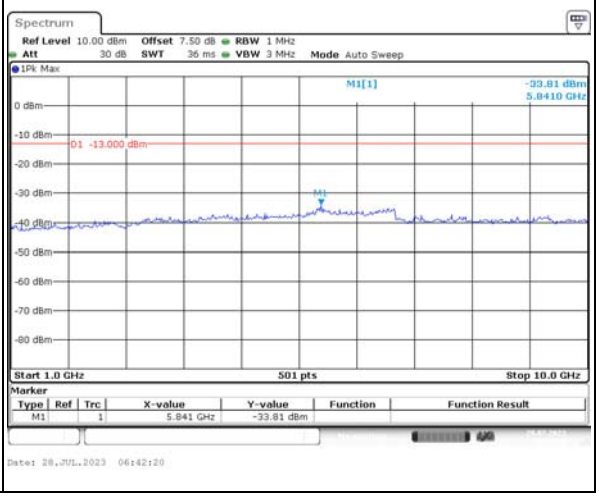
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest For 22H		
Middle For 22H		
Highest For 22H		

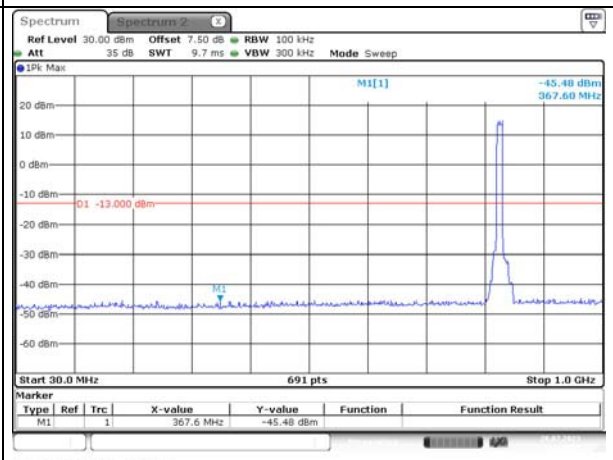
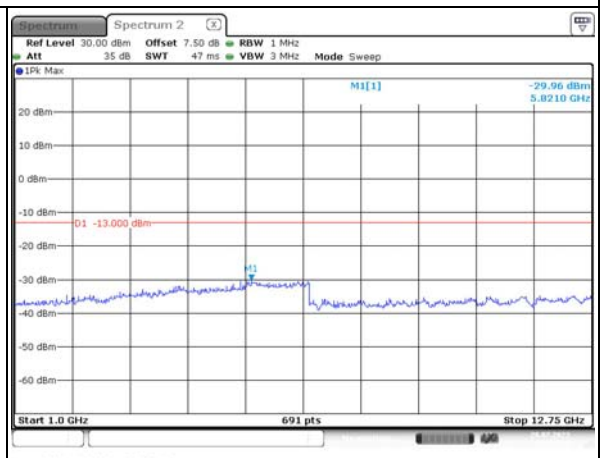
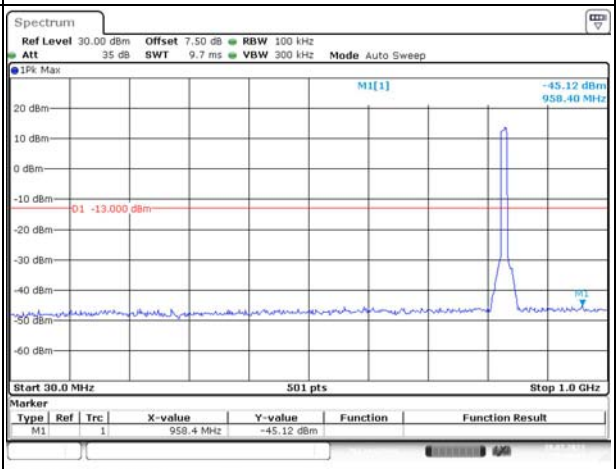
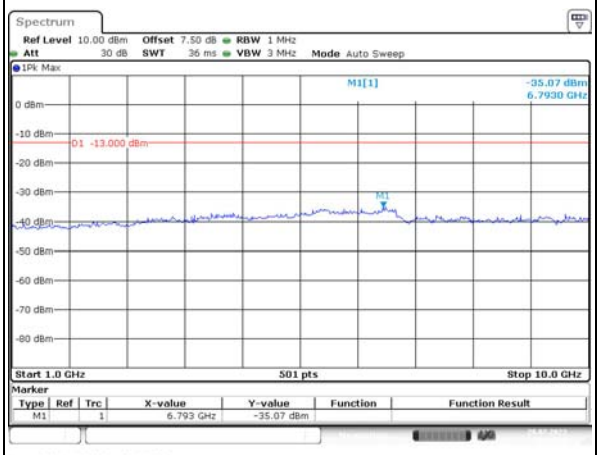
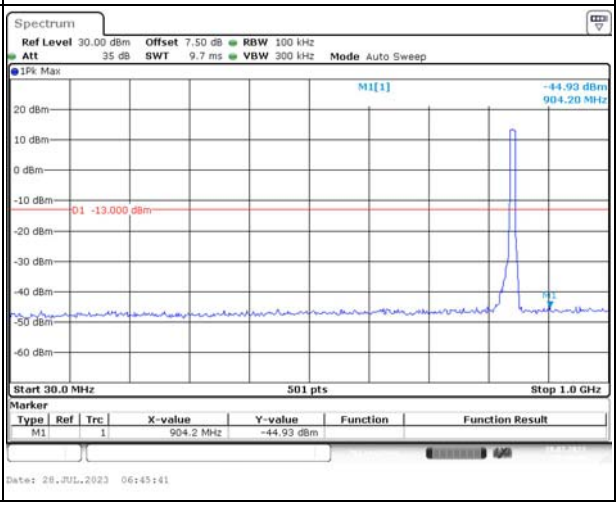
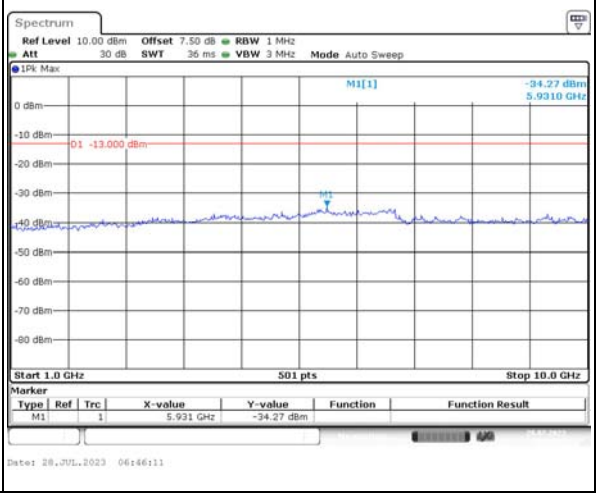
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest For 22H		
Middle For 22H		
Highest For 22H		

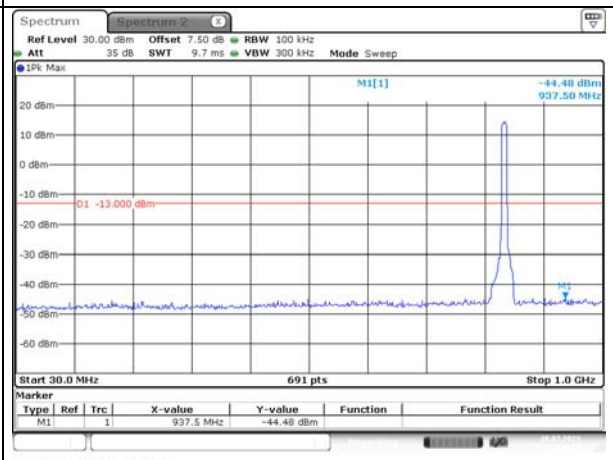
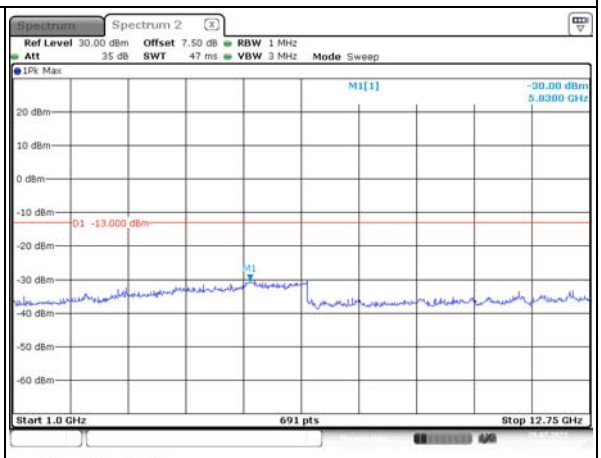
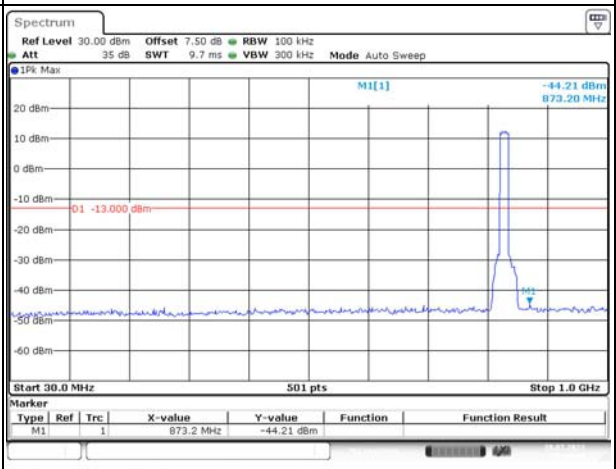
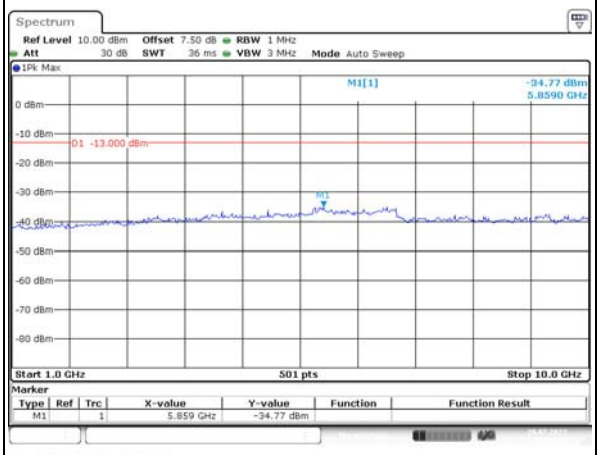
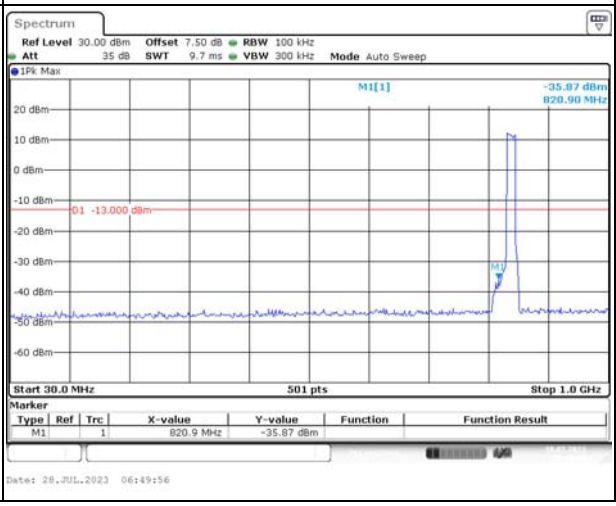
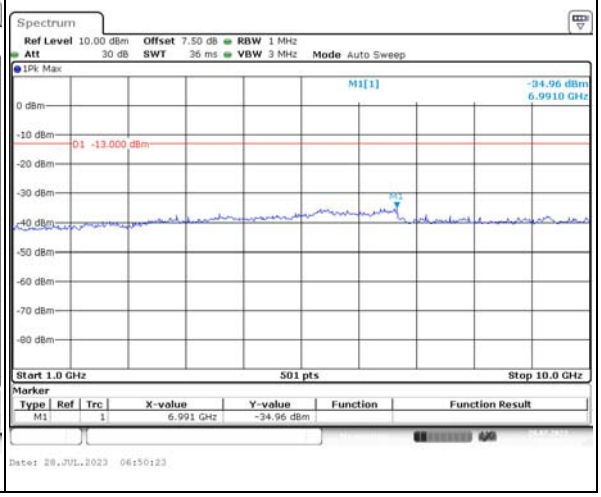
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest For 22H		
Middle For 22H		
Highest For 22H		

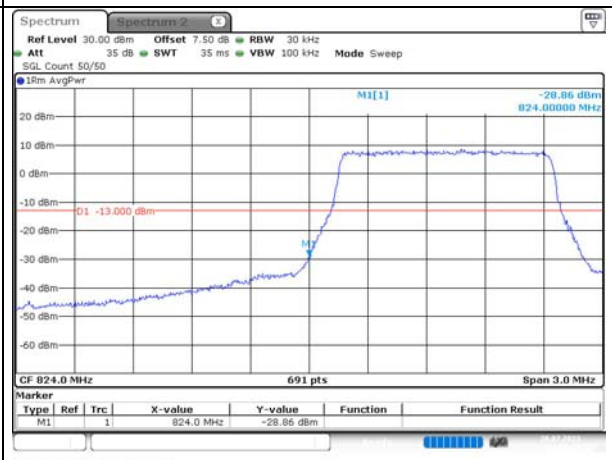
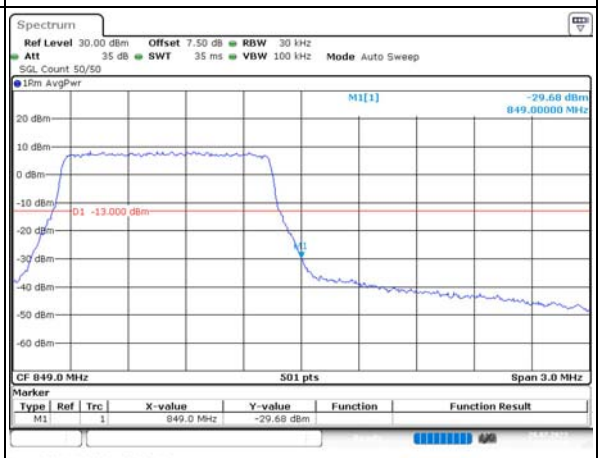
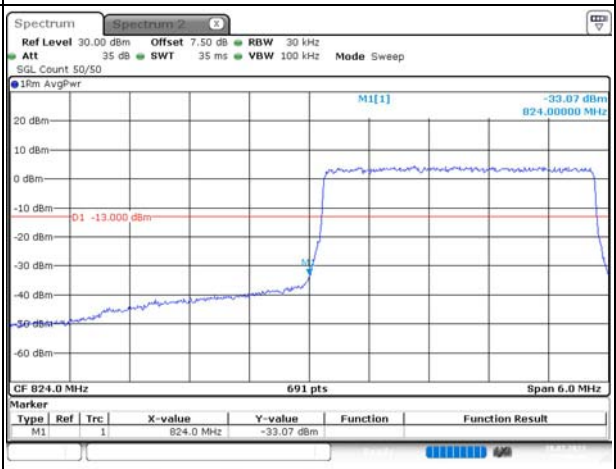
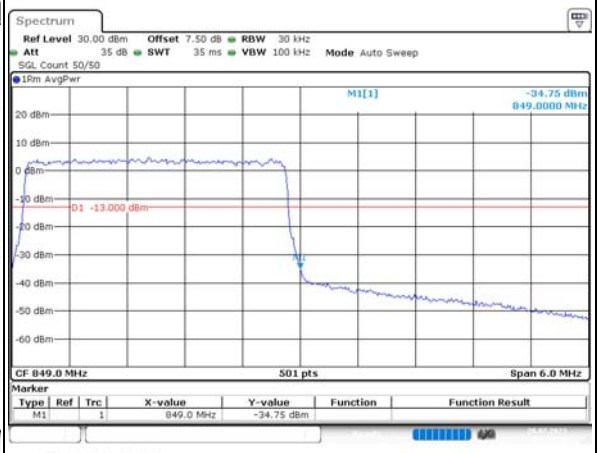
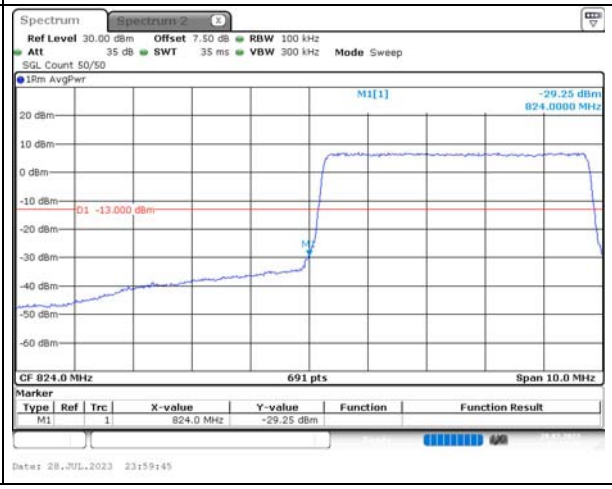
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest For 22H		
Middle For 22H		
Highest For 22H		

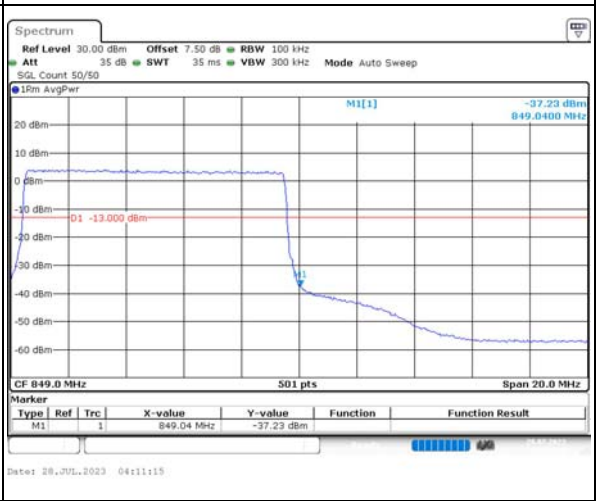
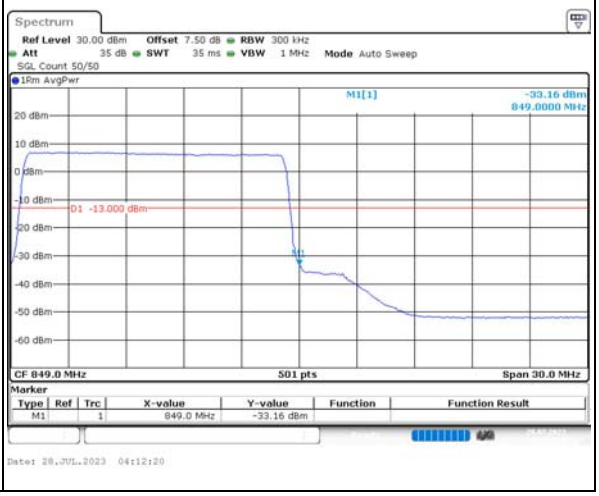
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest For 22H		
Middle For 22H		
Highest For 22H		

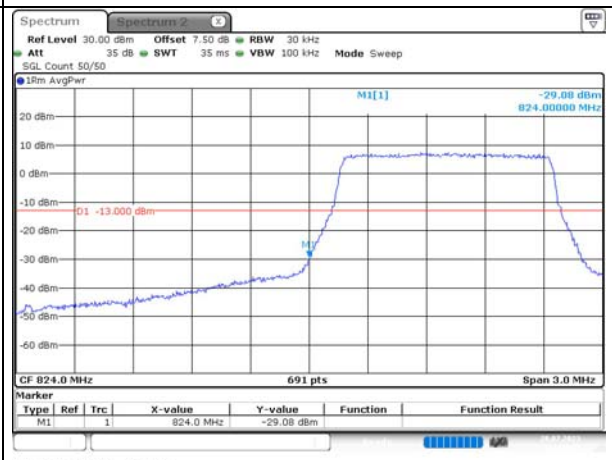
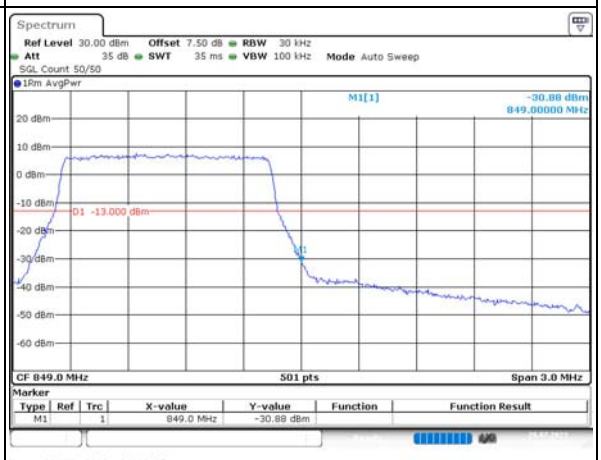
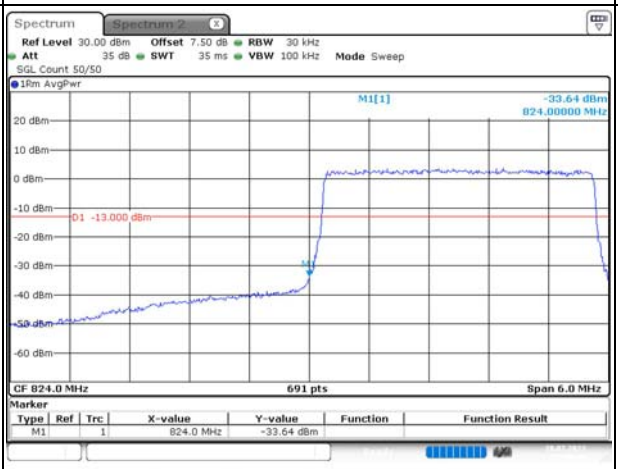
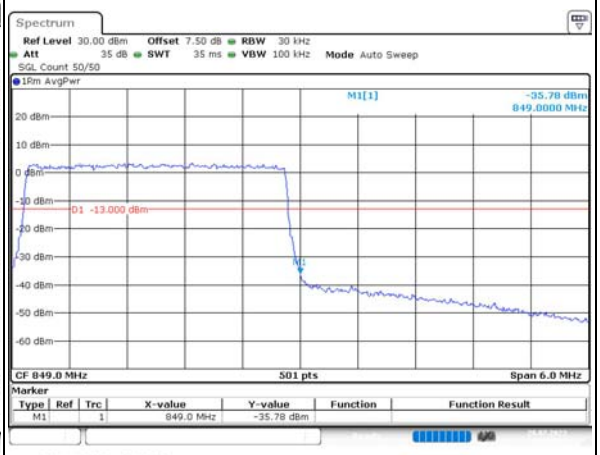
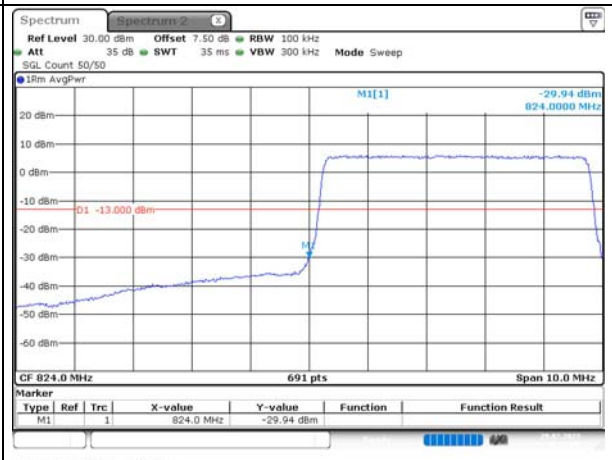
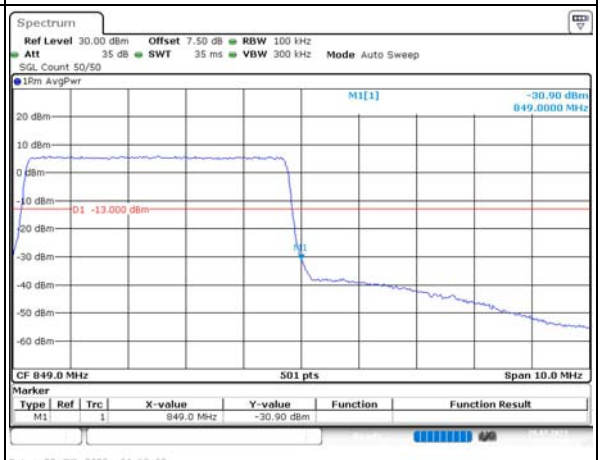
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest For 22H		
Middle For 22H		
Highest For 22H		

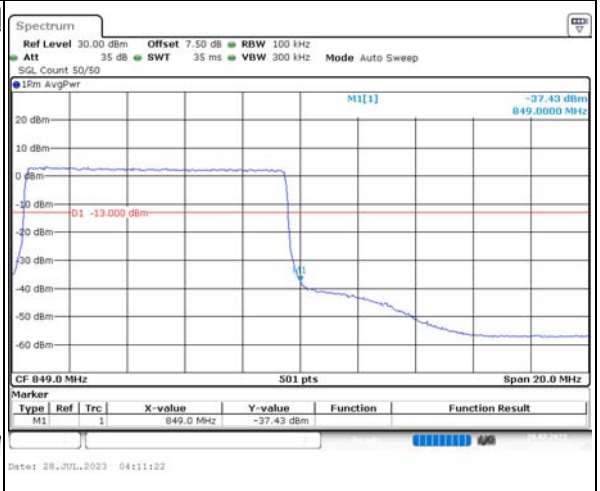
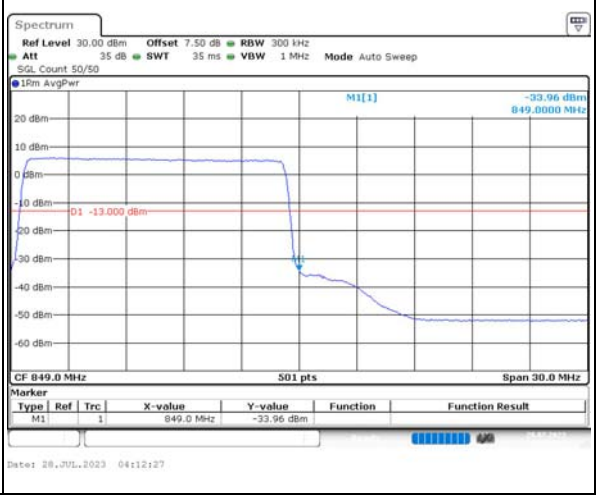
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest For 22H		
Middle For 22H		
Highest For 22H		

Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest For 22H		
Middle For 22H		
Highest For 22H		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 1.4MHz For 22H		
QPSK 3MHz For 22H		
QPSK 5MHz For 22H		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 10MHz For 22H		
QPSK 15MHz For 22H		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz For 22H		
16QAM 3MHz For 22H		
16QAM 5MHz For 22H		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 10MHz For 22H		
16QAM 15MHz For 22H		

4.13Antenna Port Test Data and Results for LTE Band 41

Serial Number:	28LK-1	Test Date:	2023/7/28~2023/8/25
Test Site:	RF	Test Mode:	Transmitting
Tester:	One Luo	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.2~26.8	Relative Humidity: (%)	42~55	ATM Pressure: (kPa)	99.7~100.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2023/3/31	2024/3/30
R&S	Spectrum Analyzer	FSU26	200256	2023/3/31	2024/3/30
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	143458	2023/3/31	2024/3/30
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

** 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 (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	2498.5	2593	2687.5
10MHz	2501	2593	2685
15MHz	2503.5	2593	2682.5
20MHz	2506	2593	2680

Test Data:

FCC§2.1046;§ 27.50(h)(2)

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		
5MHz QPSK	RB1#0	24.3	24.11	23.33	24.35	33
	RB1#13	24.41	24.15	23.43		
	RB1#24	24.37	24.09	23.32		
	RB15#0	24.34	24.15	23.33		
	RB15#10	24.4	24.09	23.35		
	RB25#0	24.32	24.11	23.32		
5MHz 16QAM	RB1#0	24.36	24.36	23.26	24.42	33
	RB1#13	24.48	24.37	23.36		
	RB1#24	24.42	24.31	23.26		
	RB15#0	24.4	24.16	23.26		
	RB15#10	24.46	24.15	23.26		
	RB25#0	24.43	24.08	23.28		
10MHz QPSK	RB1#0	24.38	24.22	23.48	24.61	33
	RB1#25	24.67	24.41	23.77		
	RB1#49	24.49	24.13	23.52		
	RB25#0	24.38	24.19	23.42		
	RB25#25	24.52	24.17	23.42		
	RB50#0	24.39	24.04	23.39		
10MHz 16QAM	RB1#0	24.55	24.13	23.45	24.85	33
	RB1#25	24.91	24.35	23.67		
	RB1#49	24.7	24.04	23.42		
	RB25#0	24.4	24.23	23.4		
	RB25#25	24.53	24.21	23.39		
	RB50#0	24.44	24.2	23.35		
15MHz QPSK	RB1#0	24.29	24.07	23.35	24.5	33
	RB1#38	24.48	24.19	23.46		
	RB1#74	24.45	24.02	23.38		
	RB36#0	24.43	24.23	23.57		
	RB36#39	24.56	24.25	23.61		
	RB75#0	24.52	24.22	23.6		
15MHz 16QAM	RB1#0	24.5	24.29	23.22	24.63	33
	RB1#38	24.69	24.4	23.29		
	RB1#74	24.65	24.16	23.23		
	RB36#0	24.45	24.17	23.39		
	RB36#39	24.56	24.1	23.41		
	RB75#0	24.48	24.15	23.49		
20MHz QPSK	RB1#0	24.1	23.94	23.3	24.65	33
	RB1#50	24.71	24.33	23.74		
	RB1#99	24.28	23.82	23.29		

	RB50#0	24.3	24.11	23.37		
	RB50#50	24.5	24.1	23.36		
	RB100#0	24.4	24.1	23.39		
20MHz 16QAM	RB1#0	24.2	23.95	23.44	24.73	33
	RB1#50	24.79	24.35	23.84		
	RB1#99	24.32	23.8	23.4		
	RB50#0	24.3	24.15	23.35		
	RB50#50	24.55	24.17	23.32		
	RB100#0	24.41	24.15	23.36		
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	9.07	9.1	7.86	13
	RB100#0	8.29	8.23	7.74	13
20MHz 16QAM	RB1#0	10.17	10.2	8.84	13
	RB100#0	10	9.94	9.42	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	4.511	4.511	5.1	5.1	5.04
5MHz 16QAM	4.511	4.511	4.511	5.12	5	5.4
10MHz QPSK	8.942	8.942	8.942	9.92	9.6	9.68
10MHz 16QAM	8.942	8.942	8.942	9.56	9.64	9.56
15MHz QPSK	13.473	13.473	13.533	14.52	14.64	14.7
15MHz 16QAM	13.473	13.533	13.533	15.42	14.64	16.2
20MHz QPSK	17.884	17.884	17.964	19.28	19.52	19.12
20MHz 16QAM	17.964	17.884	17.964	19.2	19.52	19.76
Note: The test plots please refer to the Plots of Occupied Bandwidth						

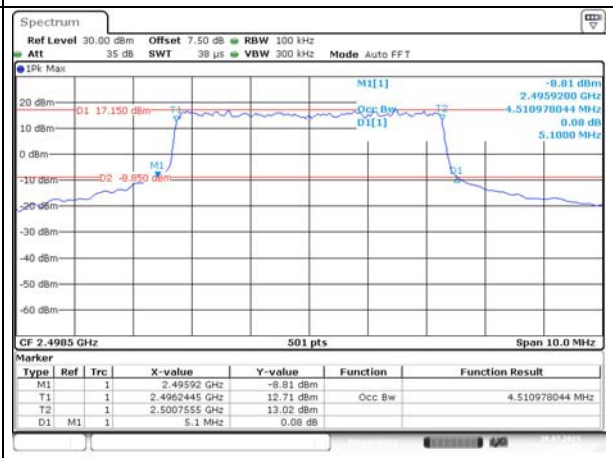
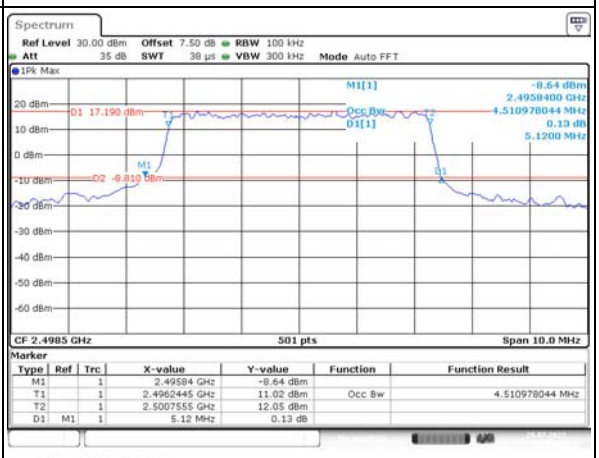
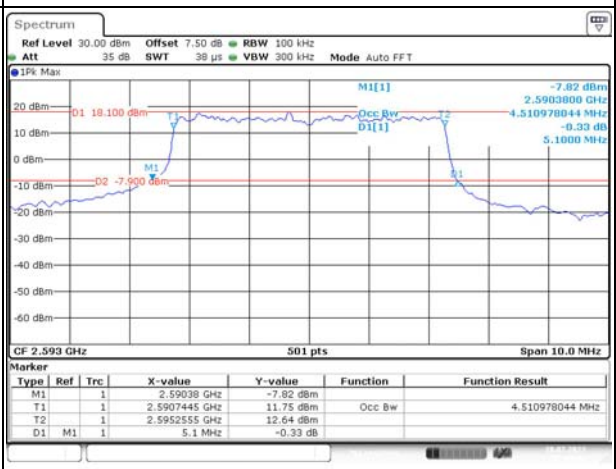
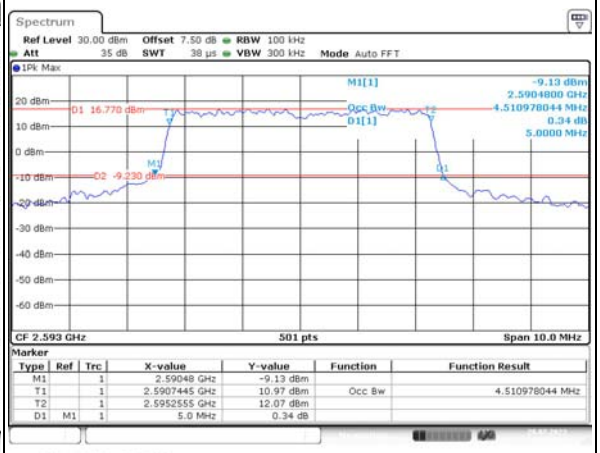
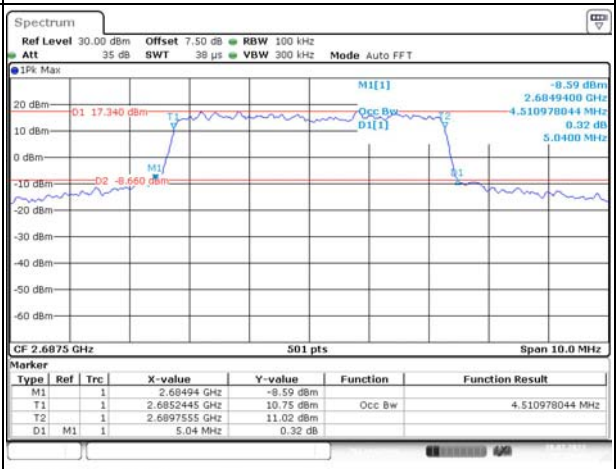
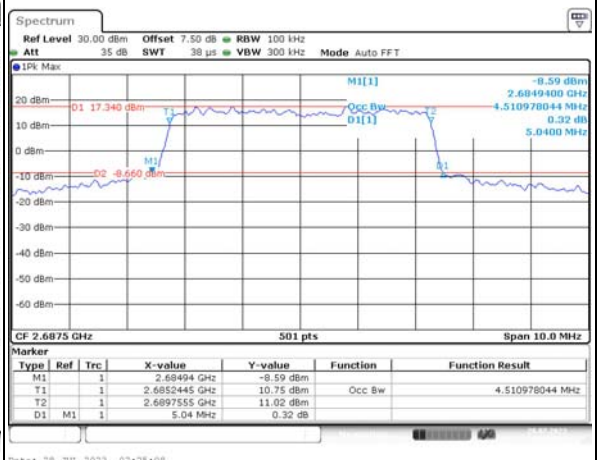
FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

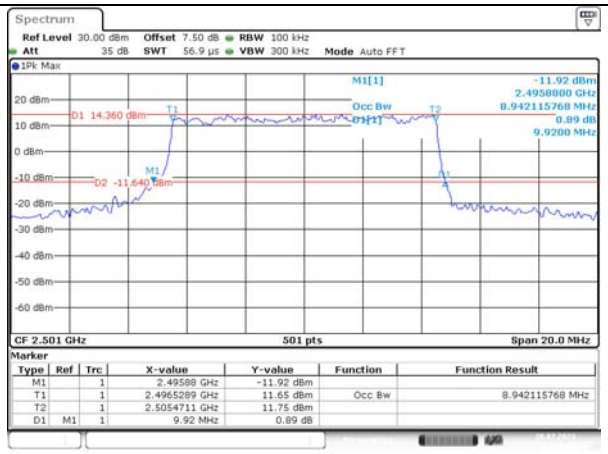
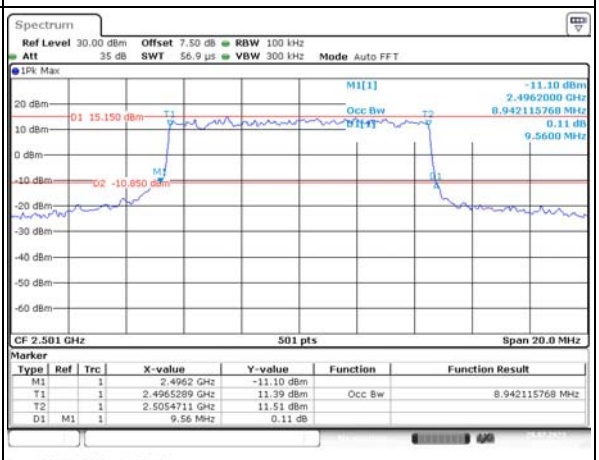
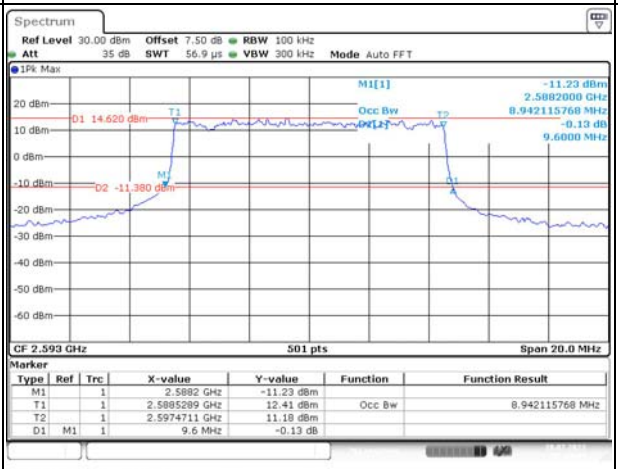
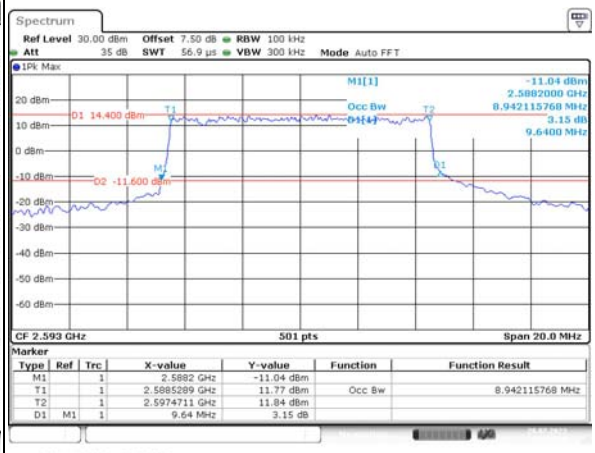
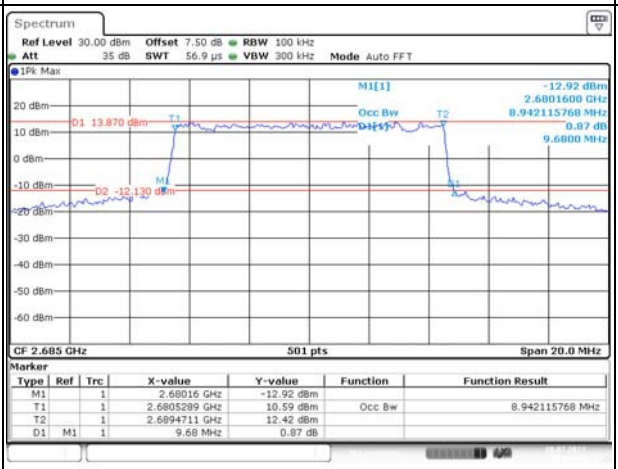
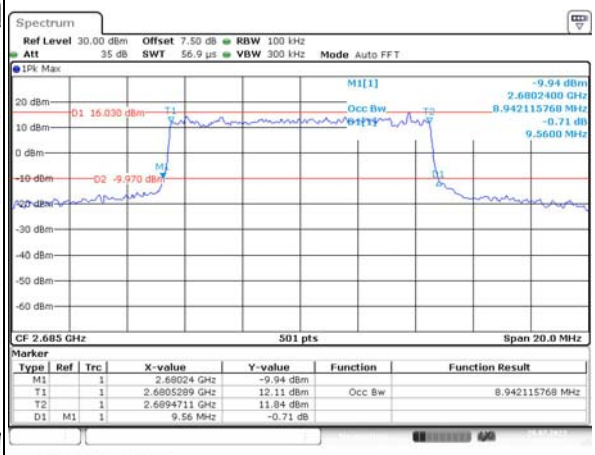
FCC §2.1051, § 27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

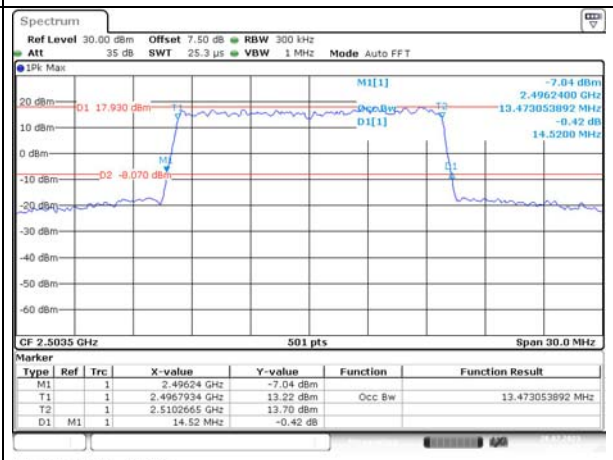
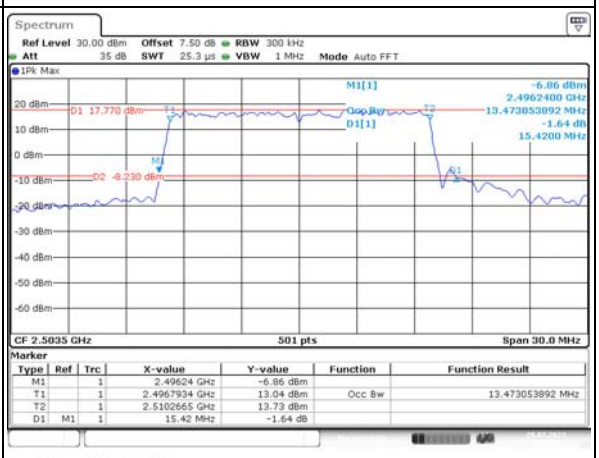
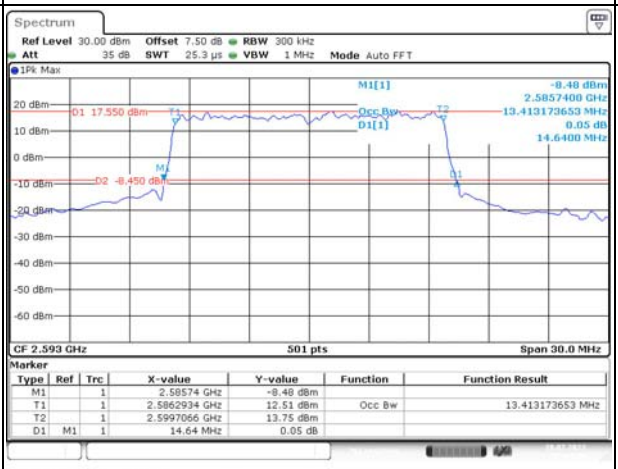
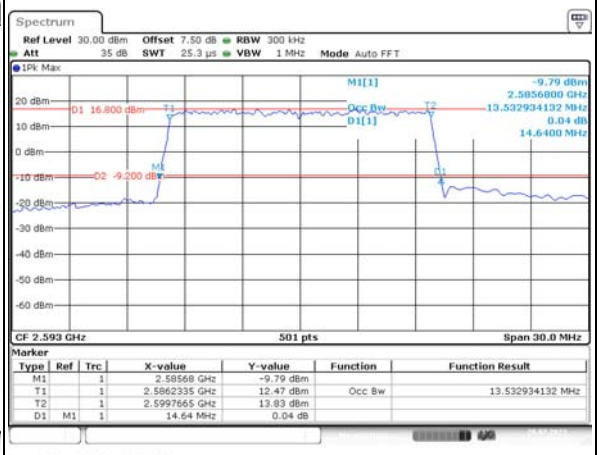
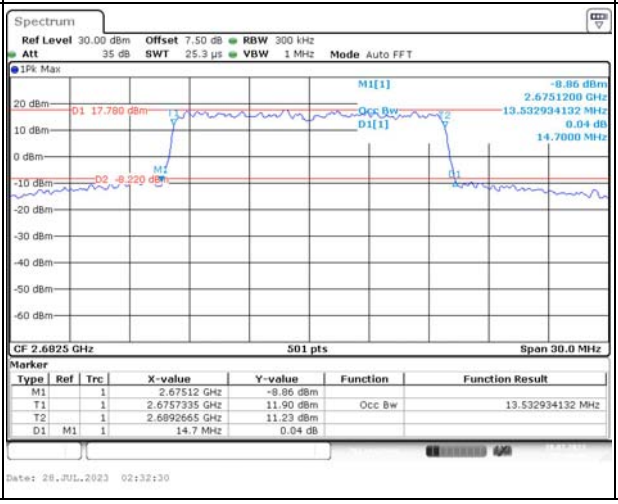
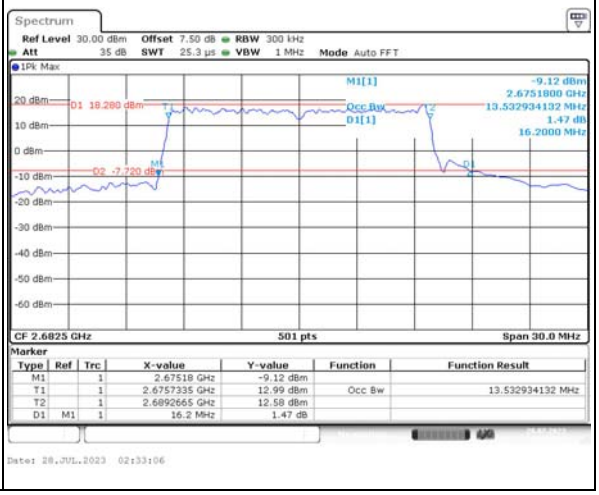
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2497.028	2496.00	2688.942	2690
	-20	3.8	2497.026	2496.00	2688.922	2690
	-10	3.8	2497.021	2496.00	2688.962	2690
	0	3.8	2497.042	2496.00	2688.954	2690
	10	3.8	2497.026	2496.00	2688.954	2690
	20	3.8	2497.058	2496.00	2688.942	2690
	30	3.8	2497.068	2496.00	2688.985	2690
	40	3.8	2497.004	2496.00	2688.959	2690
	50	3.8	2497.028	2496.00	2688.930	2690
Frequency Stability vs. Voltage	20	3.65	2497.079	2496.00	2688.948	2690
	20	4.35	2497.054	2496.00	2688.913	2690
					Result:	**Pass**

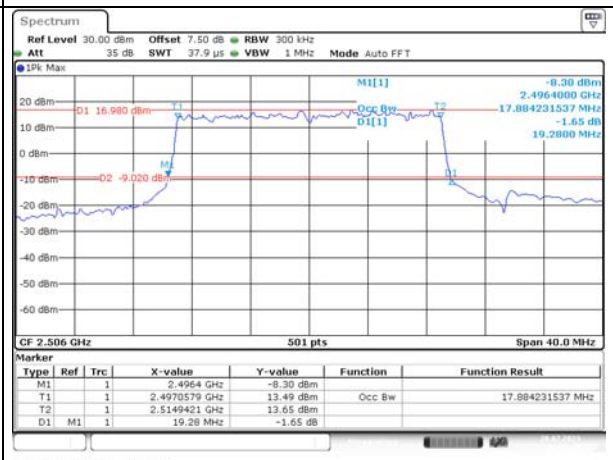
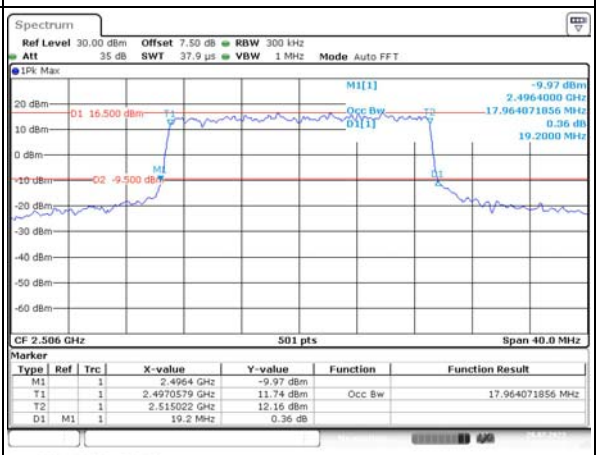
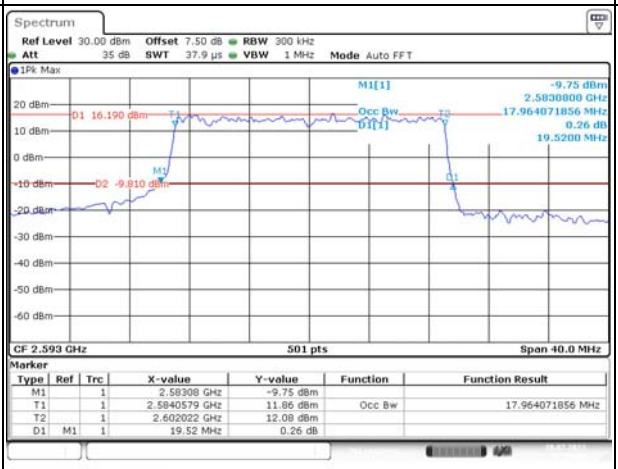
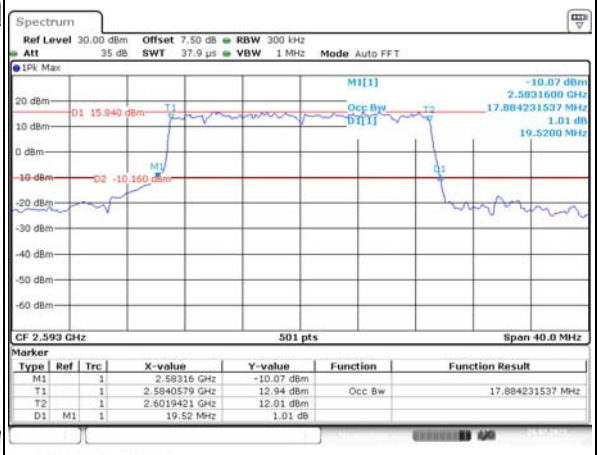
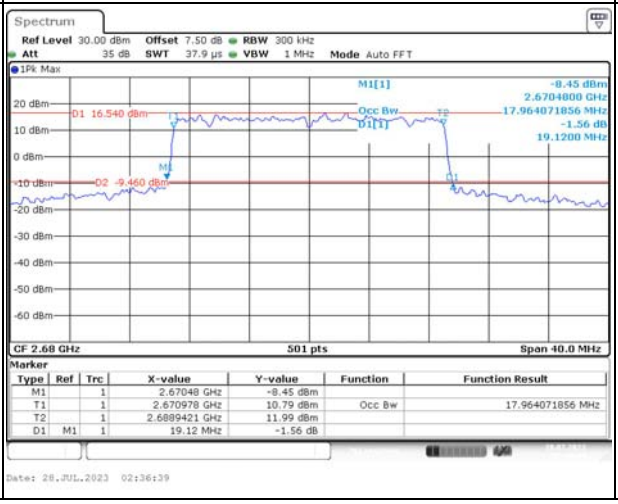
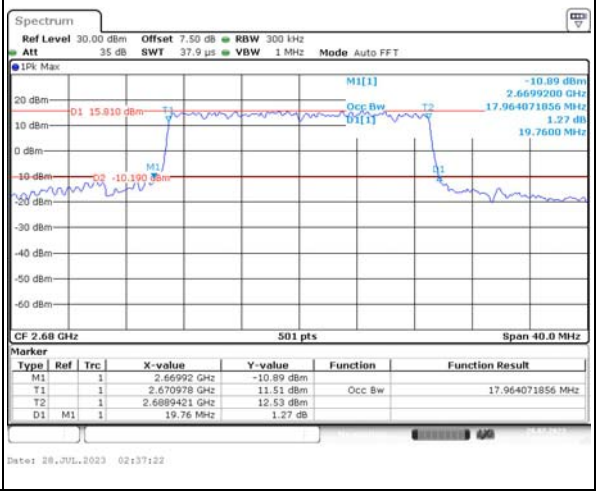
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2497.010	2496.00	2688.956	2690
	-20	3.8	2497.028	2496.00	2688.936	2690
	-10	3.8	2497.002	2496.00	2688.960	2690
	0	3.8	2497.055	2496.00	2688.989	2690
	10	3.8	2497.039	2496.00	2688.908	2690
	20	3.8	2497.058	2496.00	2688.942	2690
	30	3.8	2497.083	2496.00	2688.918	2690
	40	3.8	2497.059	2496.00	2688.936	2690
	50	3.8	2497.024	2496.00	2688.977	2690
Frequency Stability vs. Voltage	20	3.65	2497.086	2496.00	2688.982	2690
	20	4.35	2497.063	2496.00	2689.000	2690
					Result:	**Pass**

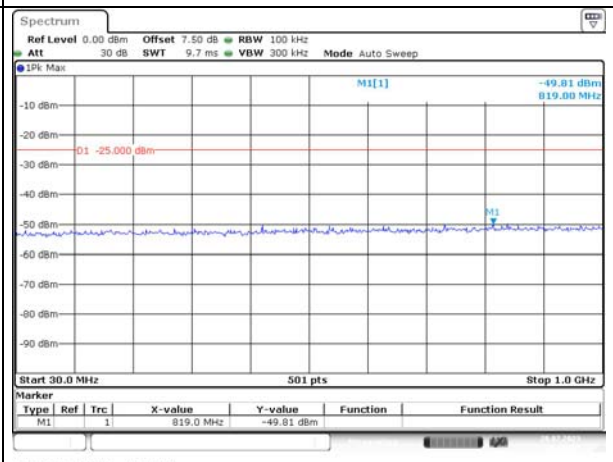
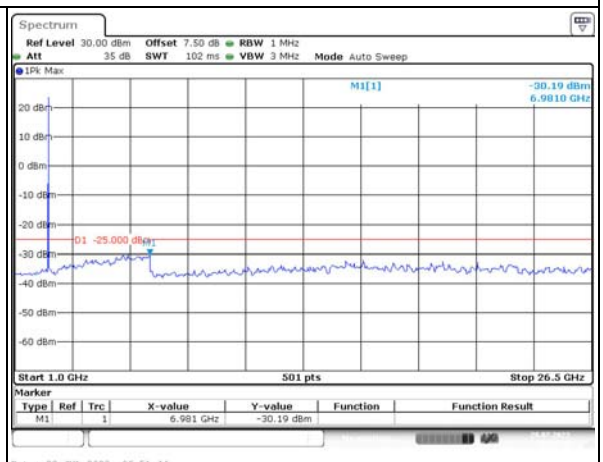
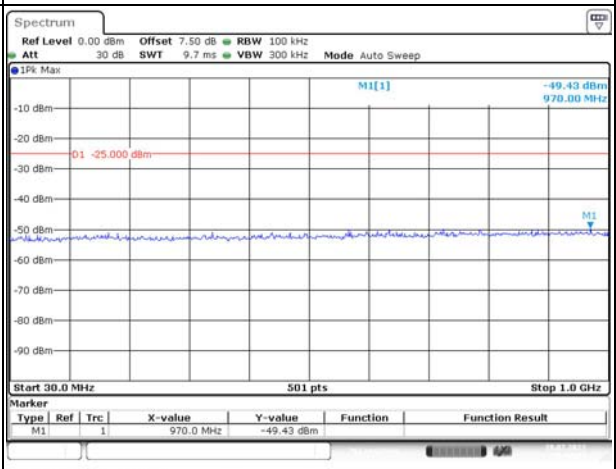
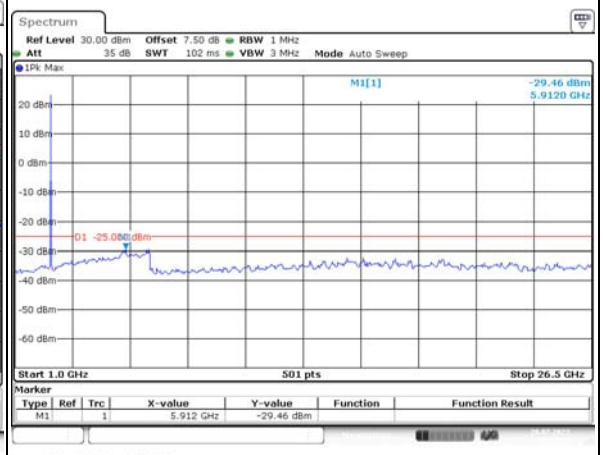
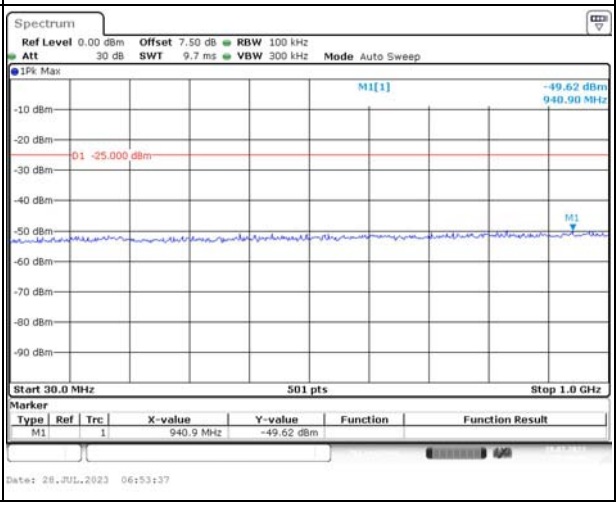
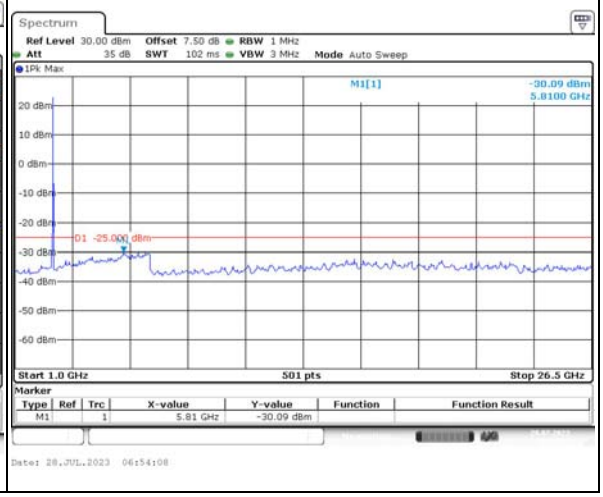
Test Plots (Note: The 7.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

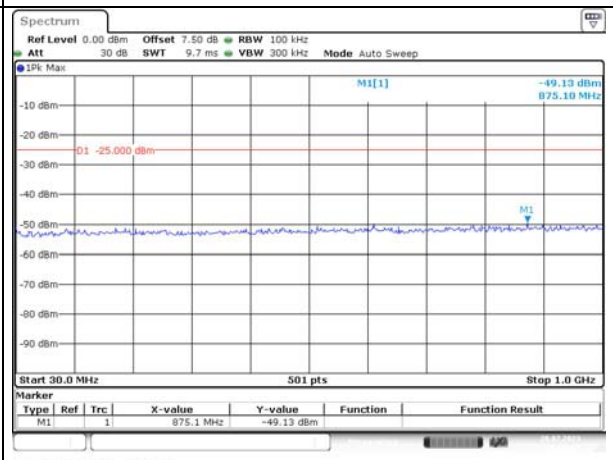
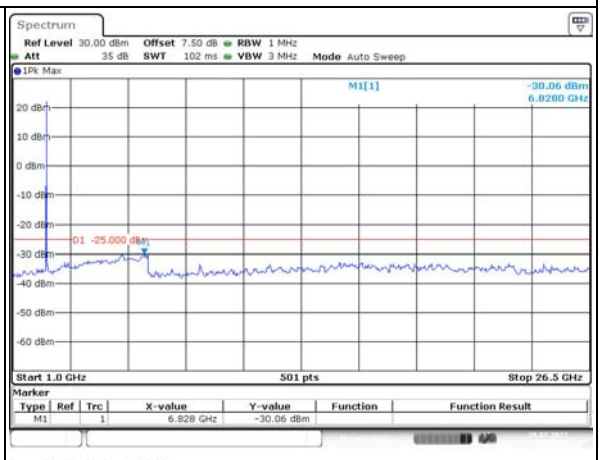
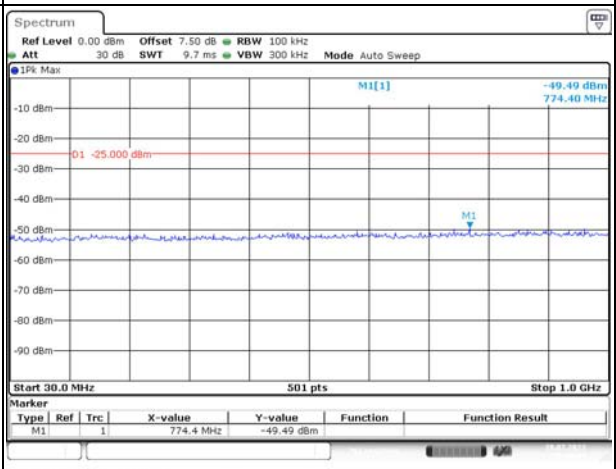
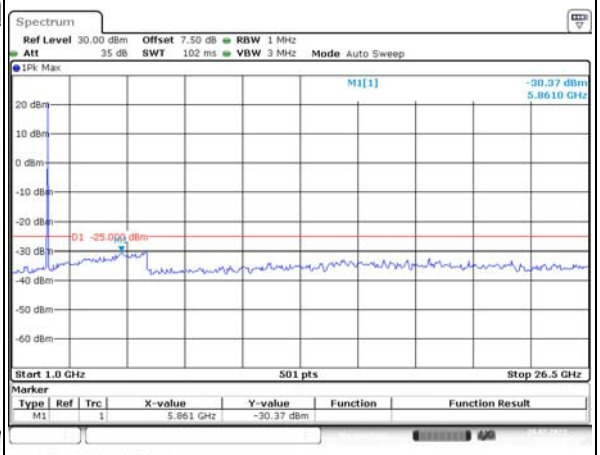
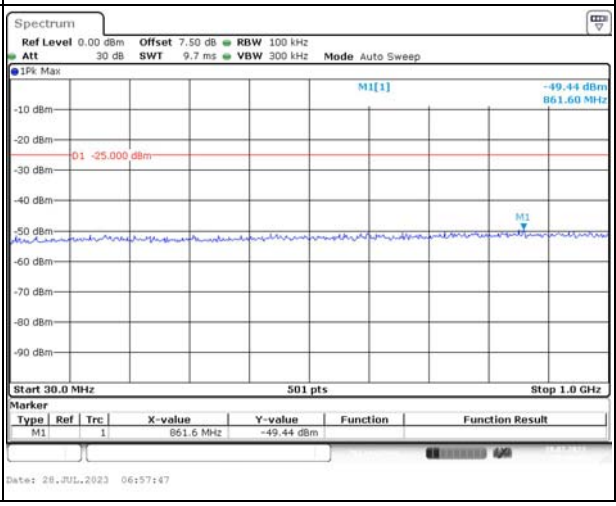
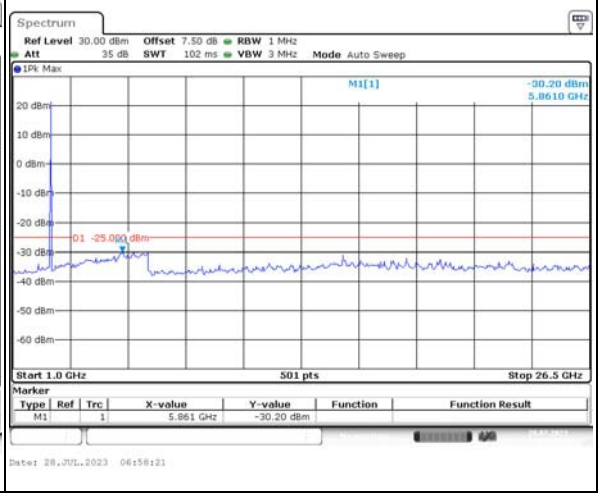
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

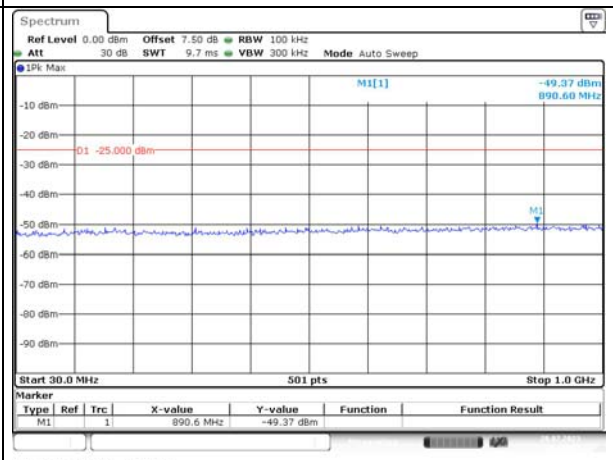
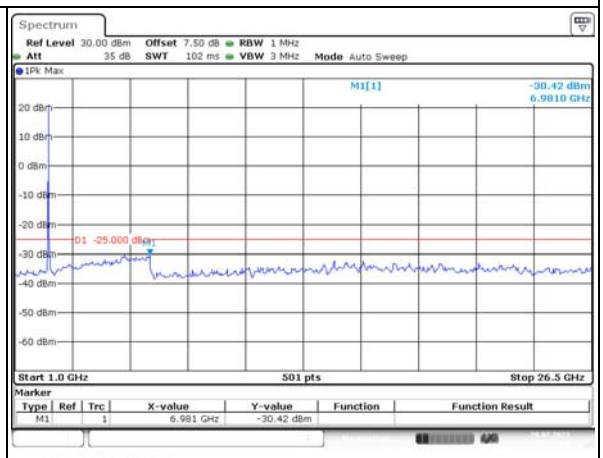
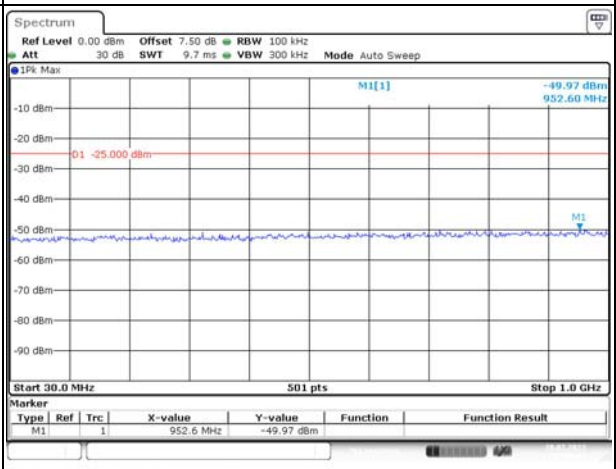
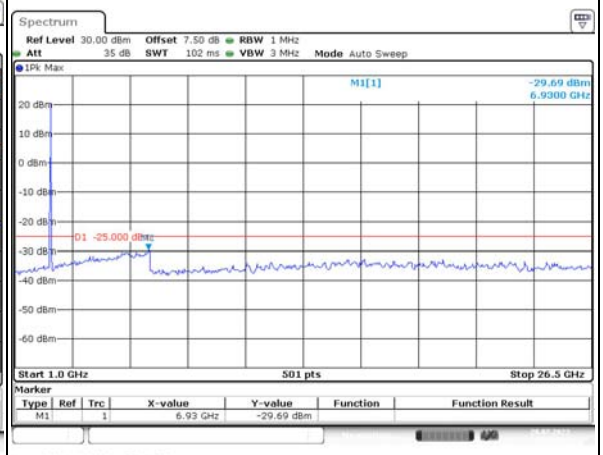
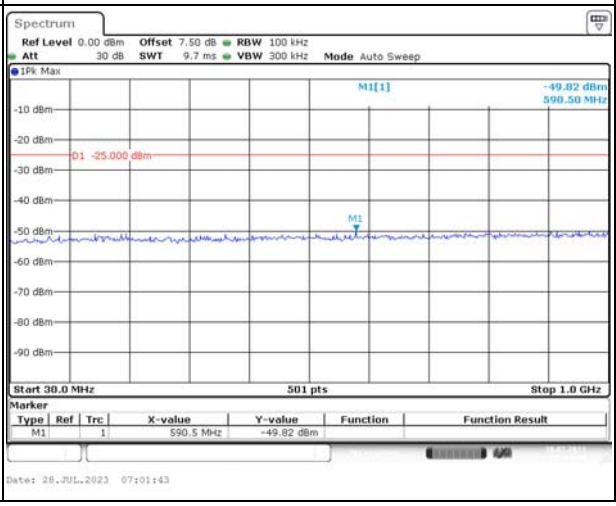
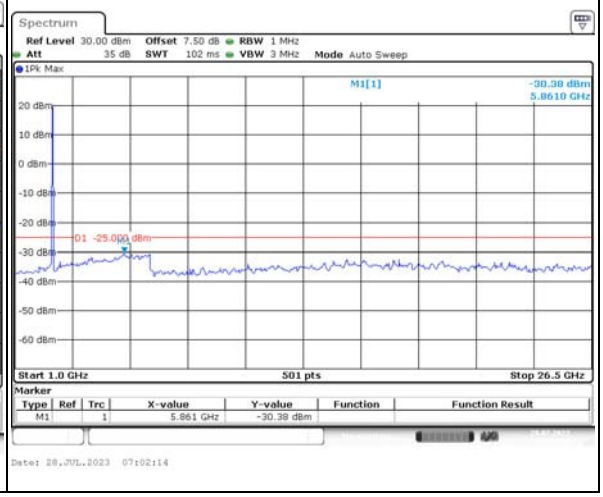
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

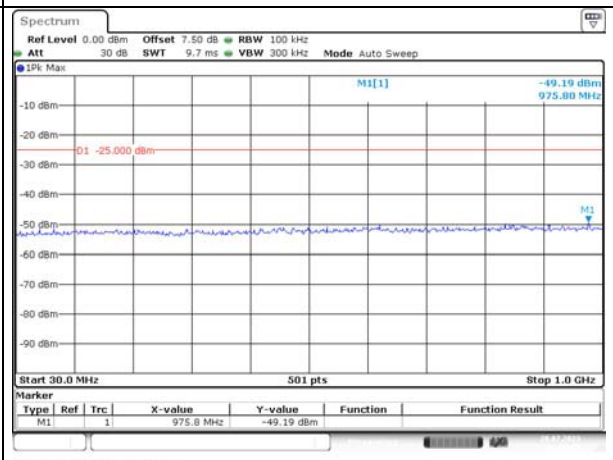
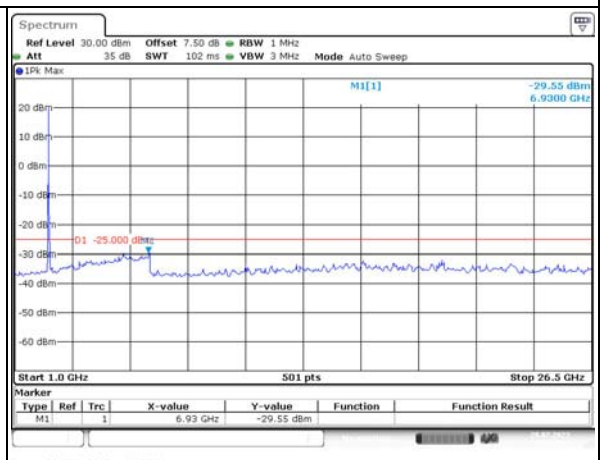
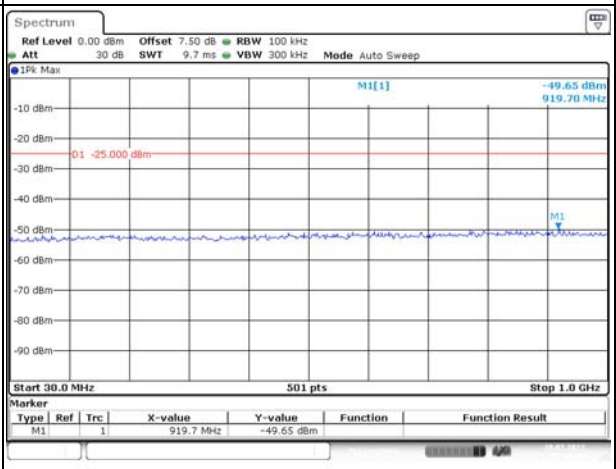
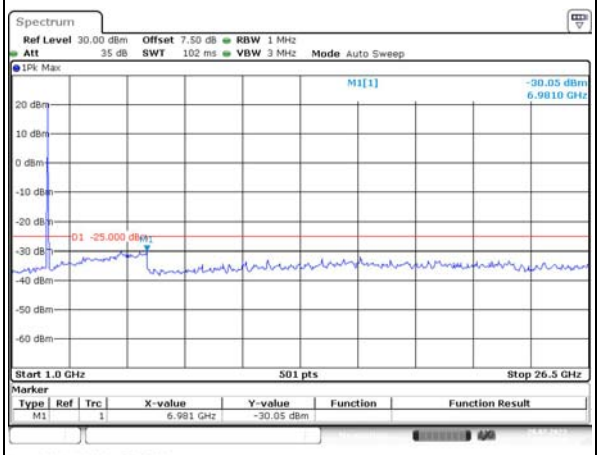
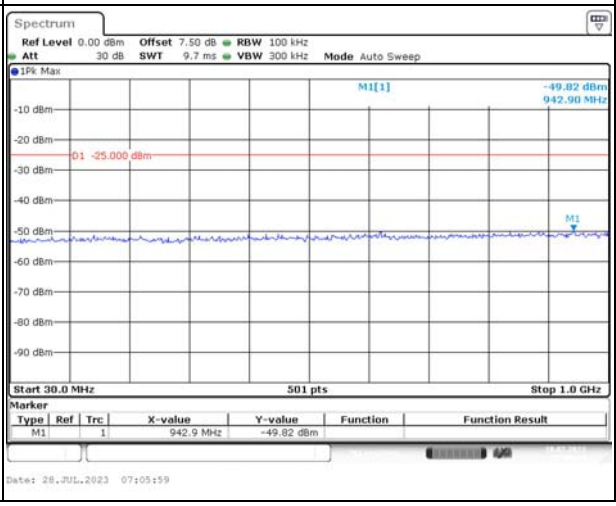
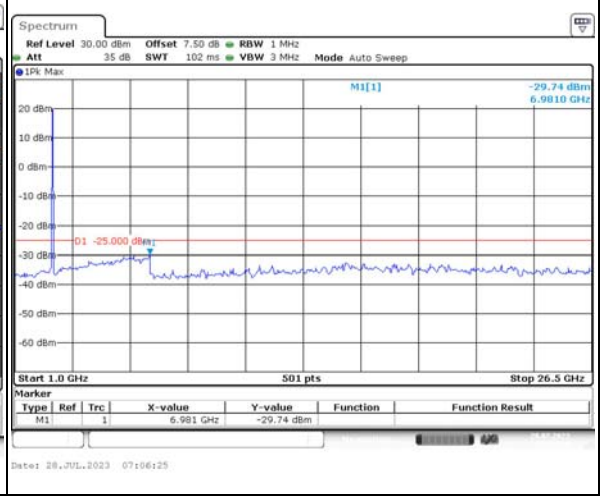
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

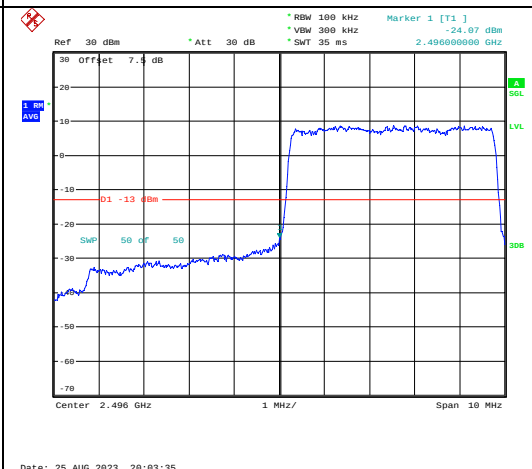
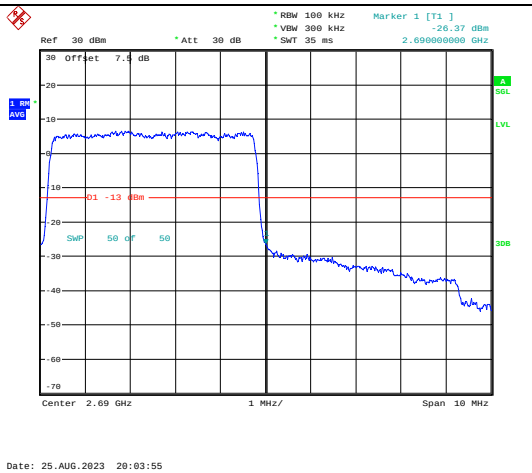
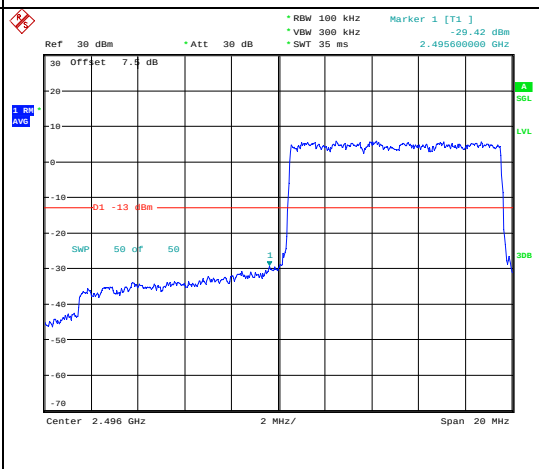
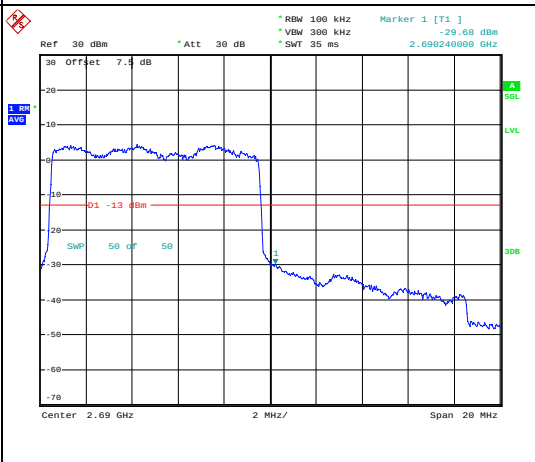
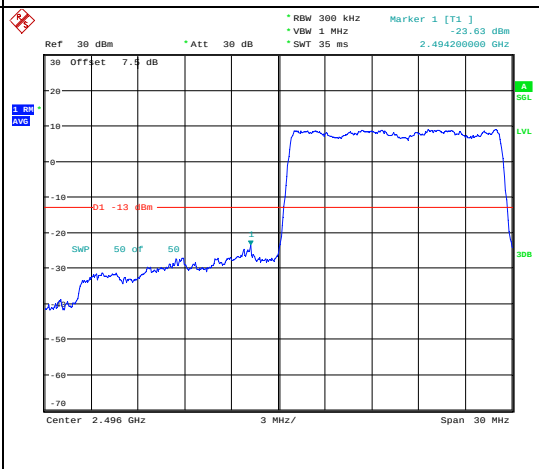
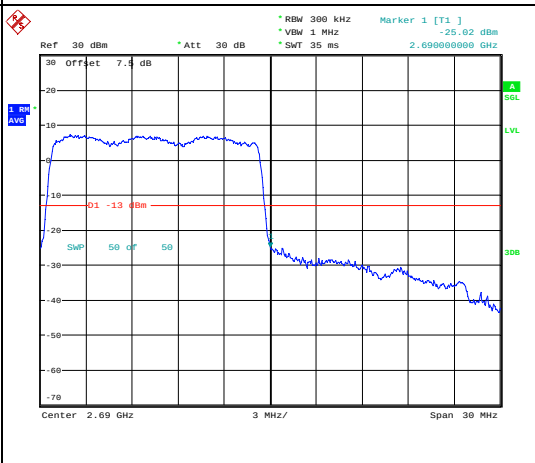
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

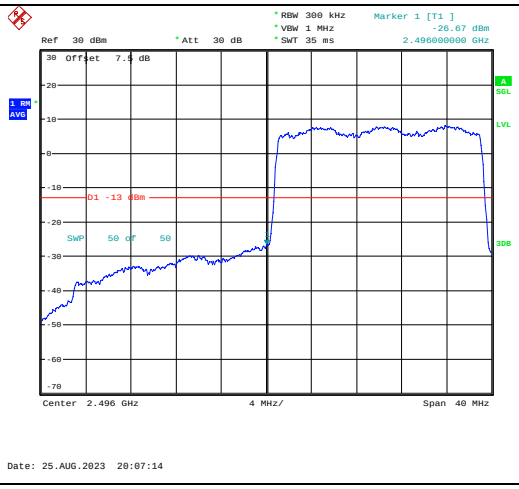
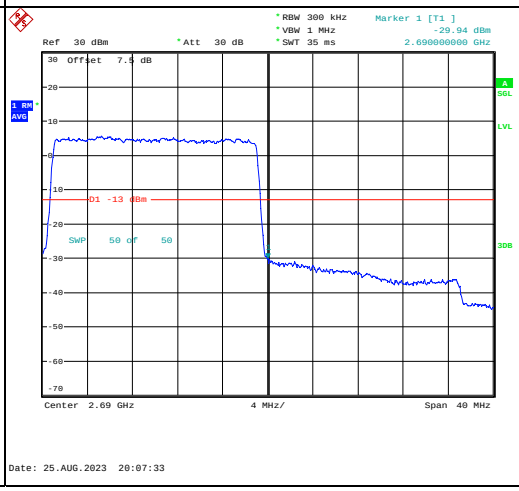
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

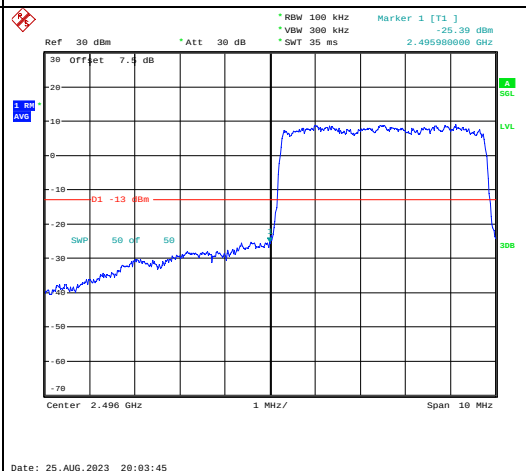
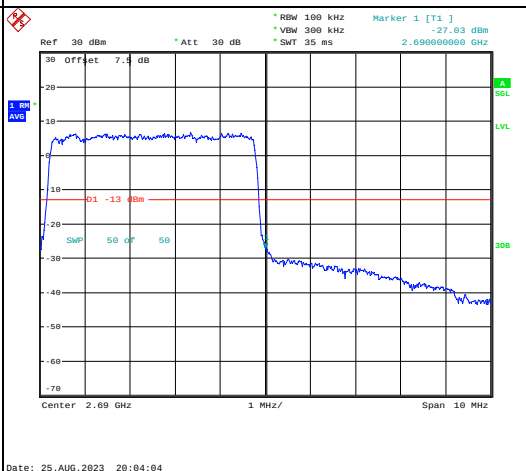
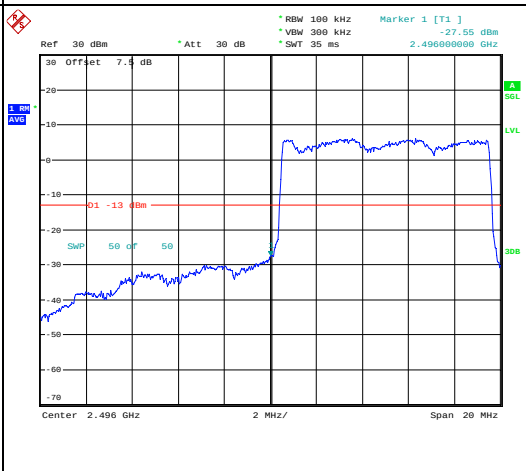
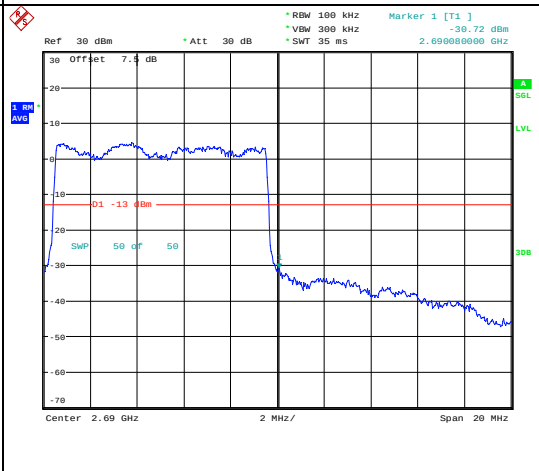
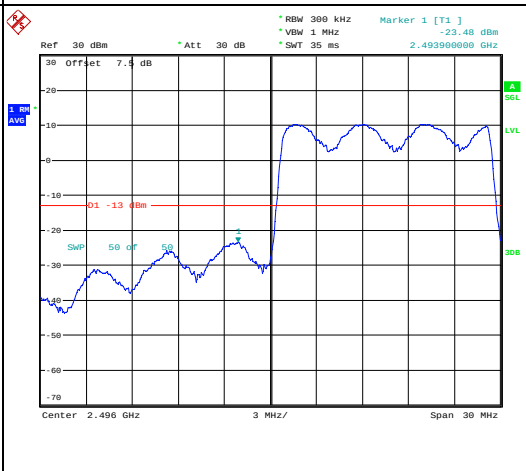
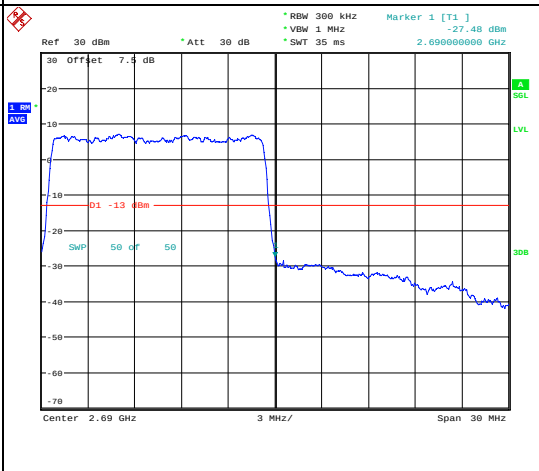
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

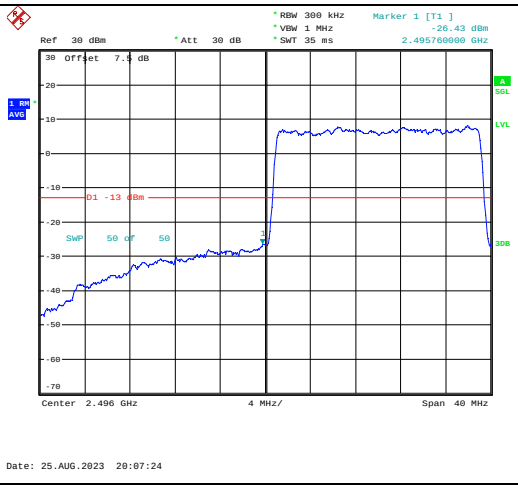
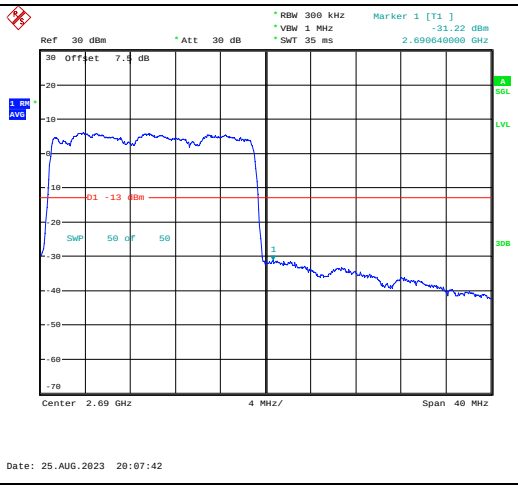
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		
QPSK 10MHz		
QPSK 15MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 20MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 5MHz	 Date: 25.AUG.2023 20:03:45	 Date: 25.AUG.2023 20:04:04
16QAM 10MHz	 Date: 25.AUG.2023 20:04:58	 Date: 25.AUG.2023 20:05:20
16QAM 15MHz	 Date: 25.AUG.2023 20:06:12	 Date: 25.AUG.2023 20:06:31

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 20MHz		

4.14 Antenna Port Test Data and Results for LTE Band 66

Serial Number:	28LK-1	Test Date:	2023/7/28~2023/8/31
Test Site:	RF	Test Mode:	Transmitting
Tester:	One Luo	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.2~26.8	Relative Humidity: (%)	42~55	ATM Pressure: (kPa)	99.7~100.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2023/3/31	2024/3/30
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	143458	2023/3/31	2024/3/30
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

** 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 (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	22.23	22.31	22.29	20.76	30
	RB1#3	22.45	22.48	22.56		
	RB1#5	22.27	22.34	22.36		
	RB3#0	22.42	22.43	22.46		
	RB3#3	22.41	22.44	22.47		
	RB6#0	21.39	21.37	21.45		
1.4MHz 16QAM	RB1#0	21.36	21.34	21.49	19.87	30
	RB1#3	21.49	21.51	21.67		
	RB1#5	21.43	21.34	21.49		
	RB3#0	21.57	21.67	21.43		
	RB3#3	21.54	21.66	21.42		
	RB6#0	20.35	20.47	20.54		
3MHz QPSK	RB1#0	22.29	22.33	22.4	20.61	30
	RB1#8	22.31	22.36	22.4		
	RB1#14	22.29	22.33	22.41		
	RB6#0	21.33	21.31	21.31		
	RB6#9	21.34	21.34	21.35		
	RB15#0	21.37	21.38	21.4		
3MHz 16QAM	RB1#0	22.02	21.51	21.41	20.23	30
	RB1#8	22.03	21.54	21.4		
	RB1#14	21.95	21.54	21.38		
	RB6#0	20.38	20.39	20.39		
	RB6#9	20.43	20.42	20.34		
	RB15#0	20.48	20.44	20.5		
5MHz QPSK	RB1#0	22.29	22.29	22.31	20.67	30
	RB1#13	22.41	22.45	22.47		
	RB1#24	22.32	22.32	22.32		
	RB15#0	21.41	21.43	21.47		
	RB15#10	21.42	21.42	21.48		
	RB25#0	21.41	21.42	21.46		
5MHz 16QAM	RB1#0	21.23	21.63	21.39	19.99	30
	RB1#13	21.32	21.79	21.53		
	RB1#24	21.26	21.64	21.41		
	RB15#0	20.46	20.47	20.57		
	RB15#10	20.51	20.47	20.56		
	RB25#0	20.55	20.5	20.55		
10MHz QPSK	RB1#0	22.26	22.31	22.38	20.7	30
	RB1#25	22.44	22.5	22.5		
	RB1#49	22.44	22.37	22.43		

	RB25#0	21.42	21.47	21.46		
	RB25#25	21.51	21.5	21.5		
	RB50#0	21.46	21.49	21.52		
10MHz 16QAM	RB1#0	21.37	22.01	21.52	20.4	30
	RB1#25	21.53	22.2	21.69		
	RB1#49	21.45	22.05	21.56		
	RB25#0	20.53	20.61	20.61		
	RB25#25	20.65	20.63	20.6		
	RB50#0	20.52	20.6	20.61		
15MHz QPSK	RB1#0	22.23	22.28	22.32	20.61	30
	RB1#38	22.37	22.38	22.41		
	RB1#74	22.33	22.34	22.41		
	RB36#0	21.41	21.46	21.44		
	RB36#39	21.58	21.48	21.52		
	RB75#0	21.5	21.44	21.46		
15MHz 16QAM	RB1#0	21.77	21.96	21.49	20.25	30
	RB1#38	21.93	22.05	21.61		
	RB1#74	21.94	22.01	21.55		
	RB36#0	20.38	20.46	20.48		
	RB36#39	20.51	20.56	20.58		
	RB75#0	20.47	20.54	20.56		
20MHz QPSK	RB1#0	22.02	22.23	22.1	20.8	30
	RB1#50	22.5	22.6	22.51		
	RB1#99	22.23	22.32	22.15		
	RB50#0	21.34	21.45	21.44		
	RB50#50	21.66	21.49	21.46		
	RB100#0	21.5	21.48	21.47		
20MHz 16QAM	RB1#0	21.48	21.45	21.73	20.33	30
	RB1#50	21.94	21.8	22.13		
	RB1#99	21.65	21.56	21.79		
	RB50#0	20.39	20.56	20.53		
	RB50#50	20.65	20.54	20.55		
	RB100#0	20.56	20.54	20.55		
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	5.42	5.54	5.71	13
	RB100#0	4.52	4.32	4.41	13
20MHz 16QAM	RB1#0	5.97	6.26	6.78	13
	RB100#0	6.14	5.97	6.06	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	1.108	1.102	1.096	1.332	1.314	1.308
1.4MHz 16QAM	1.102	1.102	1.096	1.296	1.32	1.284
3MHz QPSK	2.683	2.695	2.683	2.868	2.88	2.88
3MHz 16QAM	2.683	2.683	2.683	2.988	2.88	2.88
5MHz QPSK	4.511	4.511	4.551	5.24	5.2	5.24
5MHz 16QAM	4.551	4.551	4.511	5.26	5.24	5.16
10MHz QPSK	9.022	8.942	8.982	9.96	9.88	9.96
10MHz 16QAM	8.982	8.942	8.982	9.8	9.88	9.88
15MHz QPSK	13.473	13.533	13.473	14.82	14.82	14.82
15MHz 16QAM	13.473	13.473	13.533	14.76	14.76	14.88
20MHz QPSK	18.124	17.884	17.964	20.08	19.6	19.6
20MHz 16QAM	17.964	18.044	17.964	19.68	19.6	19.76
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 (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1710.985	1710.00	1779.093	1780
	-20	3.8	1710.943	1710.00	1779.018	1780
	-10	3.8	1710.913	1710.00	1779.035	1780
	0	3.8	1711.000	1710.00	1779.034	1780
	10	3.8	1710.926	1710.00	1779.038	1780
	20	3.8	1710.978	1710.00	1779.022	1780
	30	3.8	1710.951	1710.00	1779.003	1780
	40	3.8	1710.904	1710.00	1779.100	1780
	50	3.8	1710.973	1710.00	1779.080	1780
Frequency Stability vs. Voltage	20	3.65	1710.965	1710.00	1779.085	1780
	20	4.35	1710.957	1710.00	1779.049	1780
					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	3.8	1711.069	1710.00	1778.984	1780
	-20	3.8	1711.010	1710.00	1778.943	1780
	-10	3.8	1711.097	1710.00	1778.987	1780
	0	3.8	1711.059	1710.00	1778.940	1780
	10	3.8	1711.084	1710.00	1778.945	1780
	20	3.8	1711.058	1710.00	1778.942	1780
	30	3.8	1711.092	1710.00	1778.971	1780
	40	3.8	1711.026	1710.00	1778.947	1780
	50	3.8	1711.012	1710.00	1778.913	1780
Frequency Stability vs. Voltage	20	3.65	1711.072	1710.00	1778.947	1780
	20	4.35	1711.072	1710.00	1778.968	1780
					Result:	**Pass**