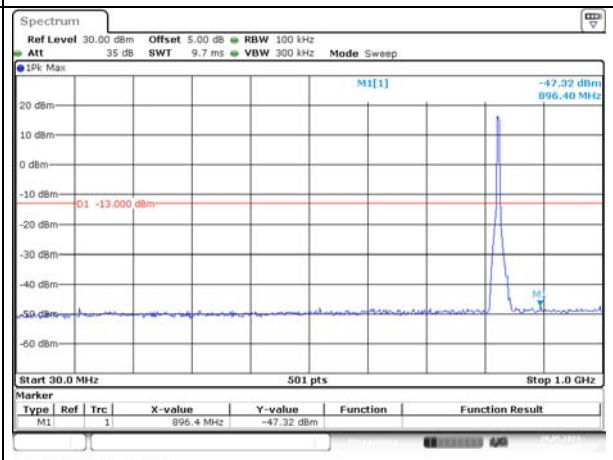
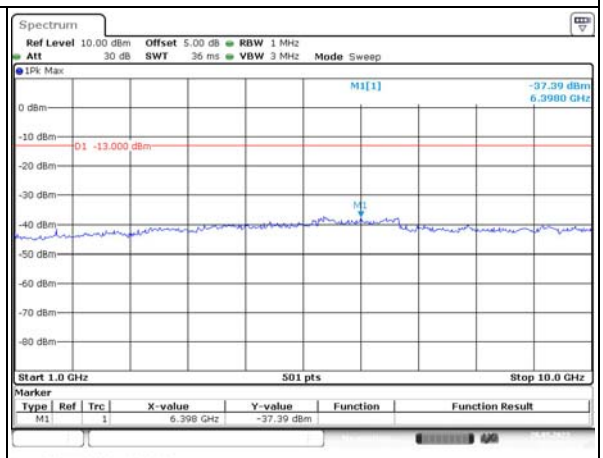
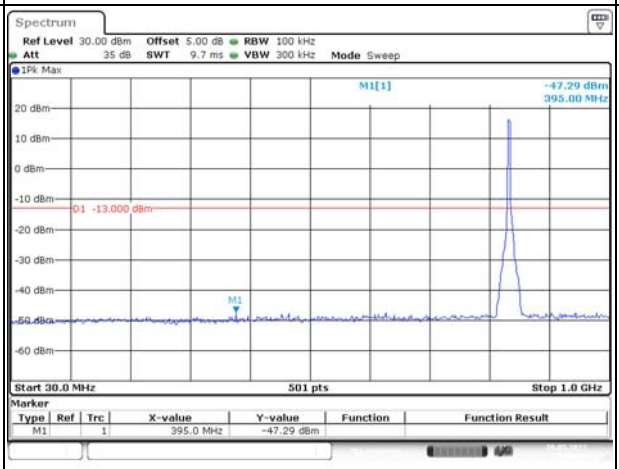
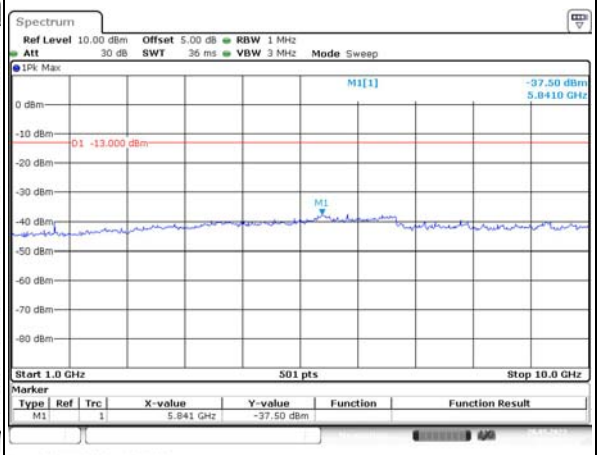
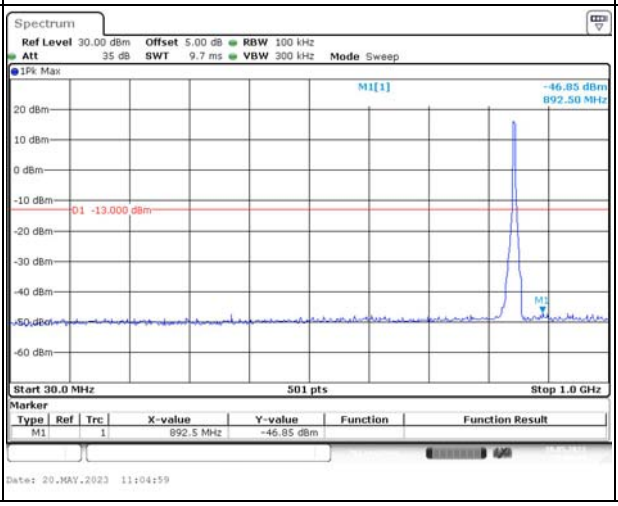
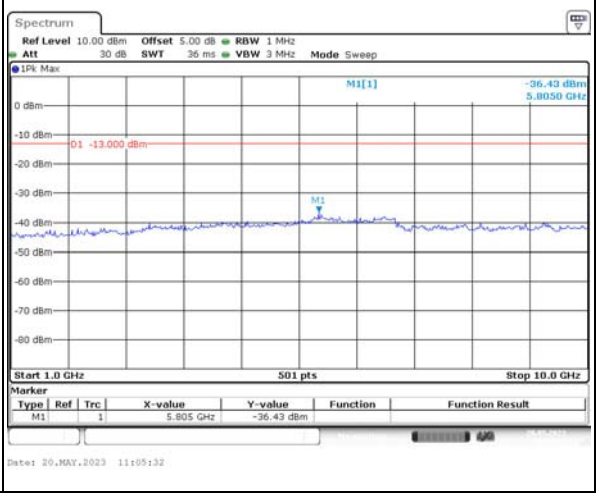
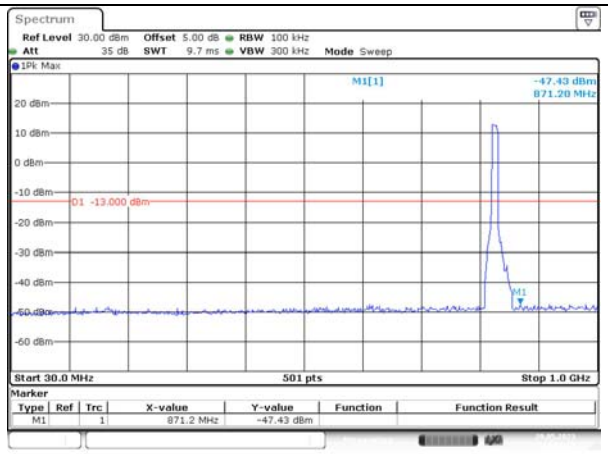
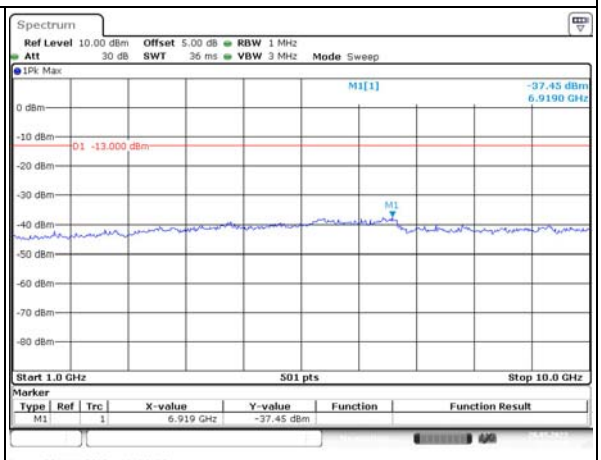
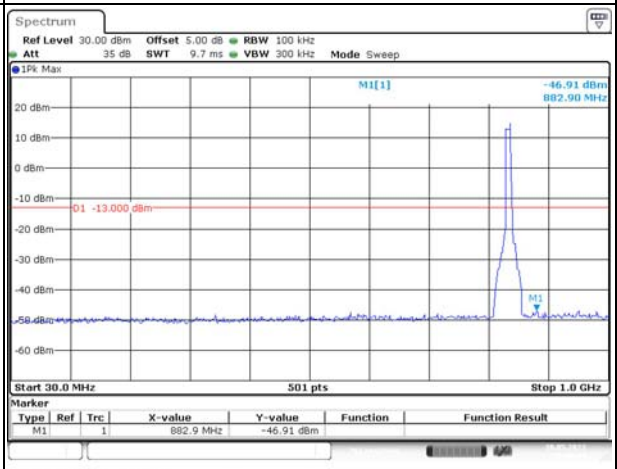
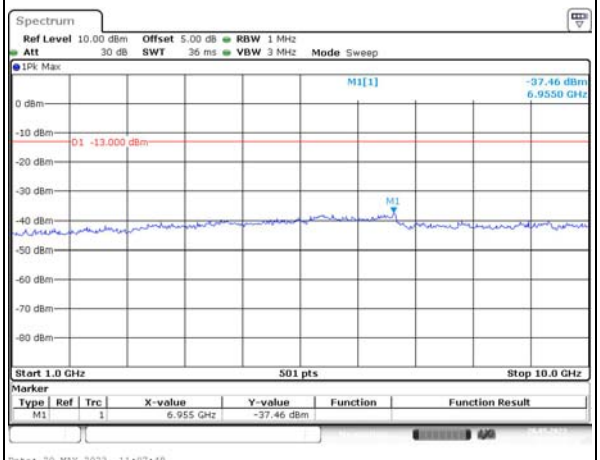
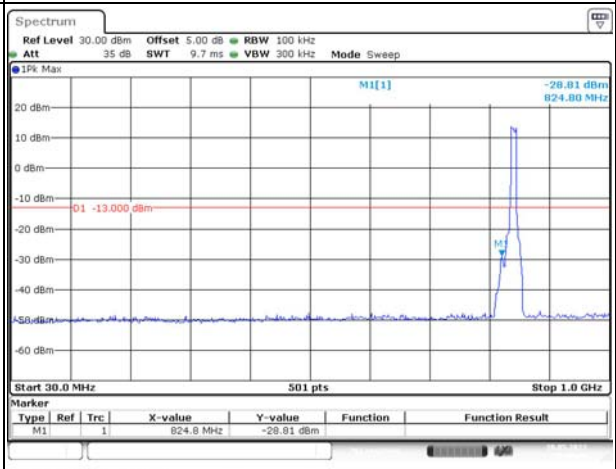
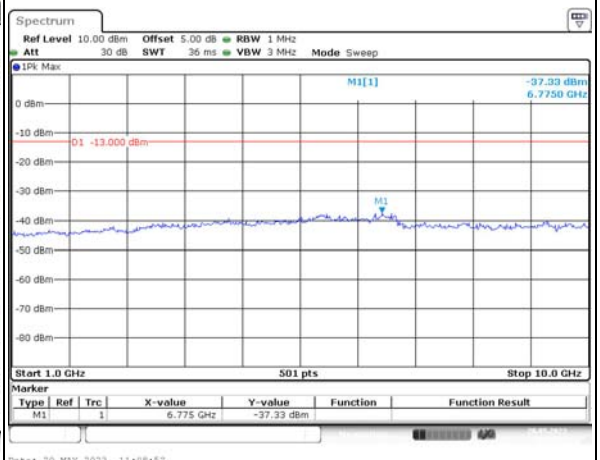
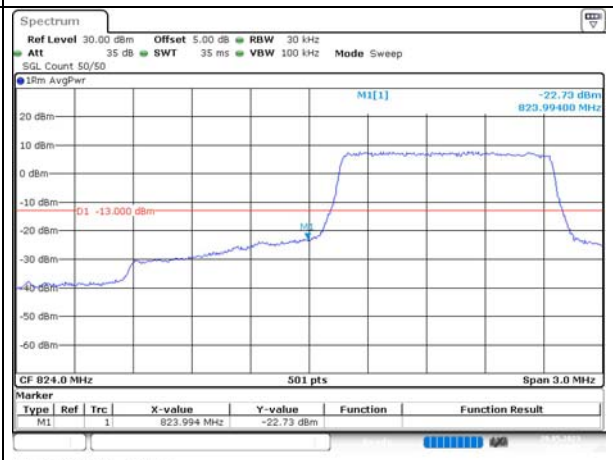
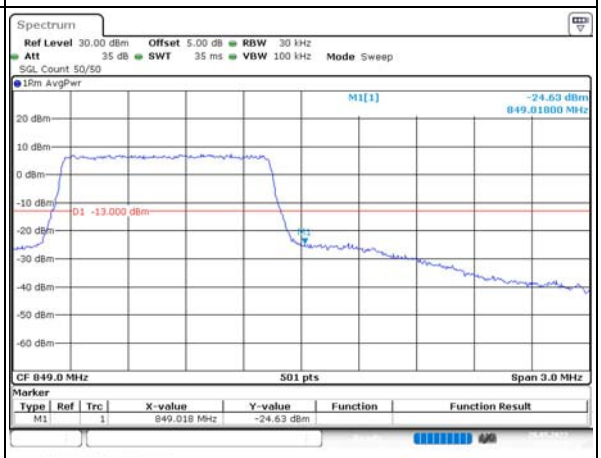
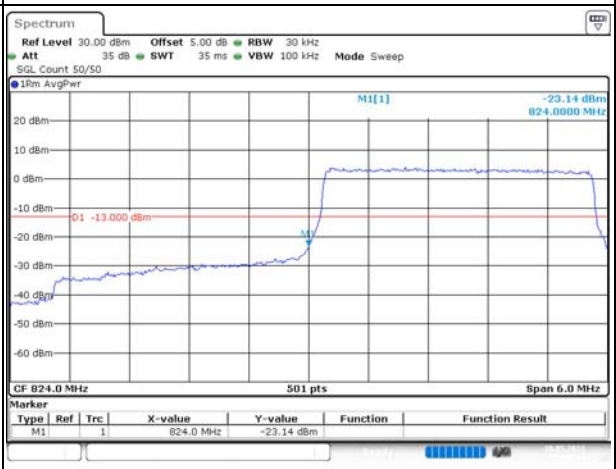
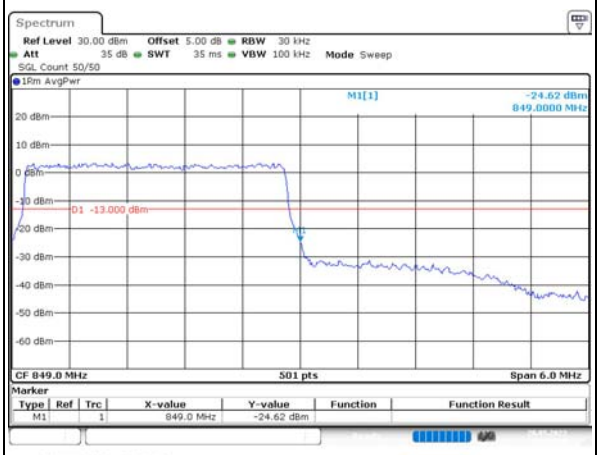
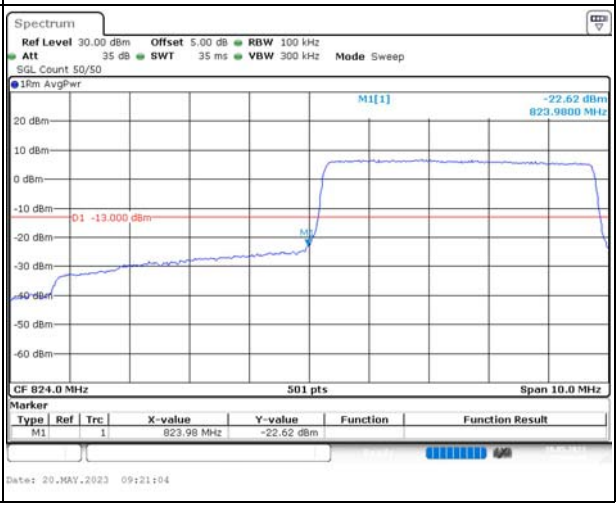
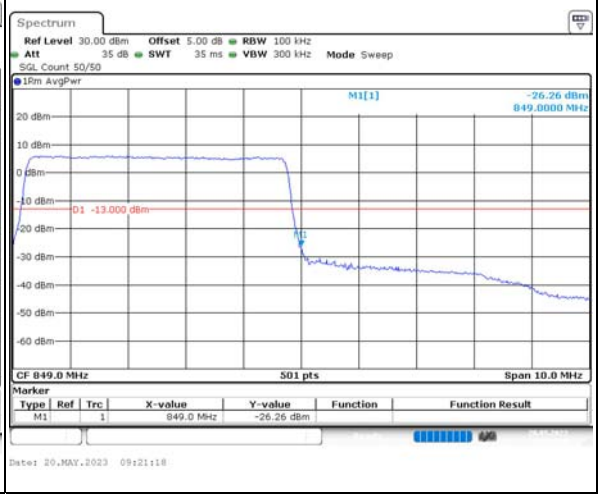
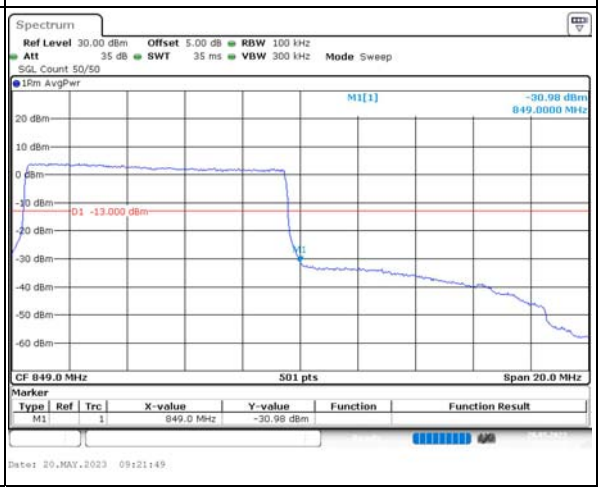
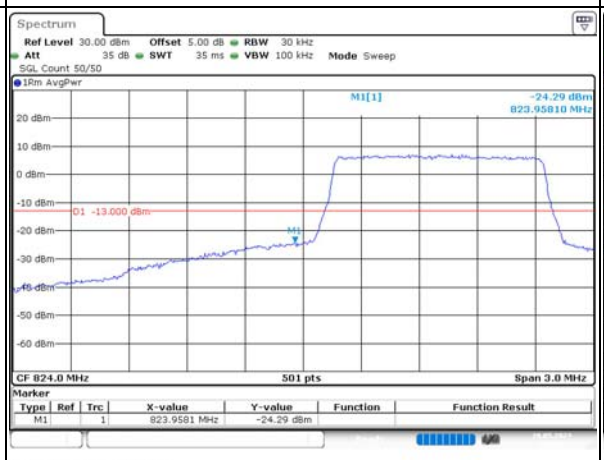
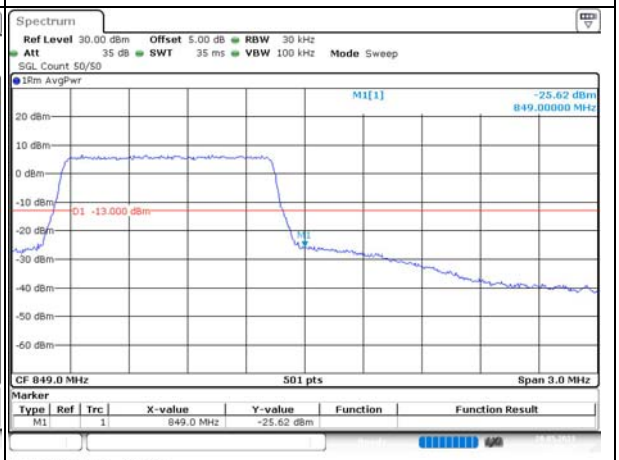
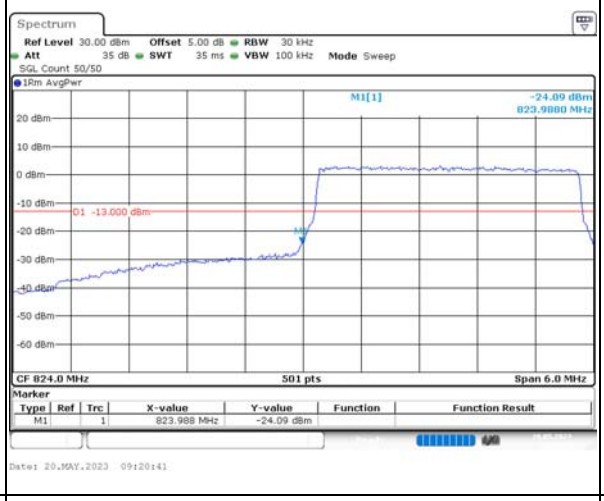
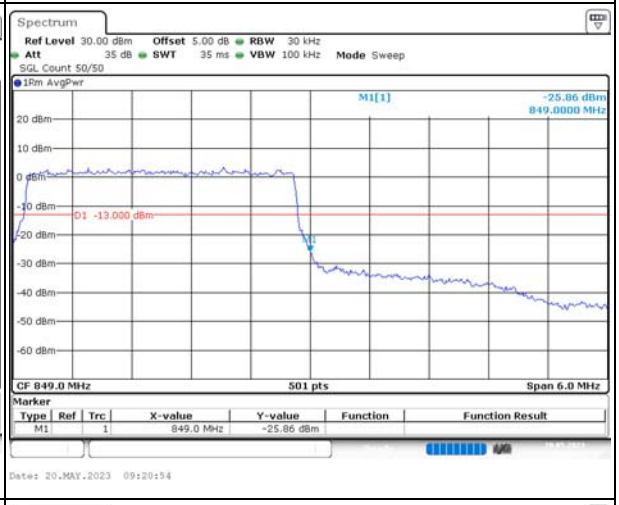
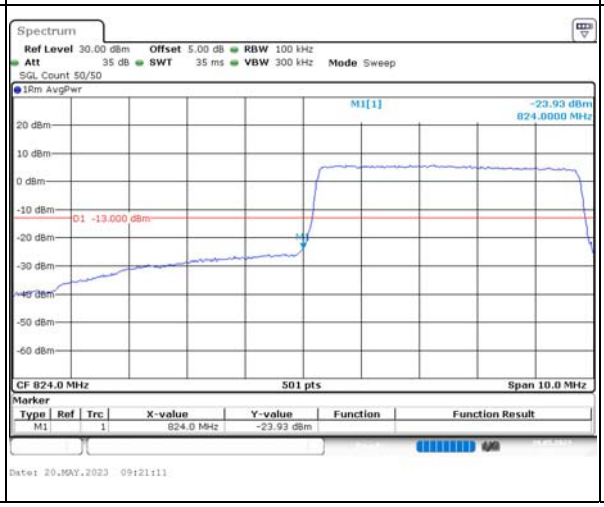
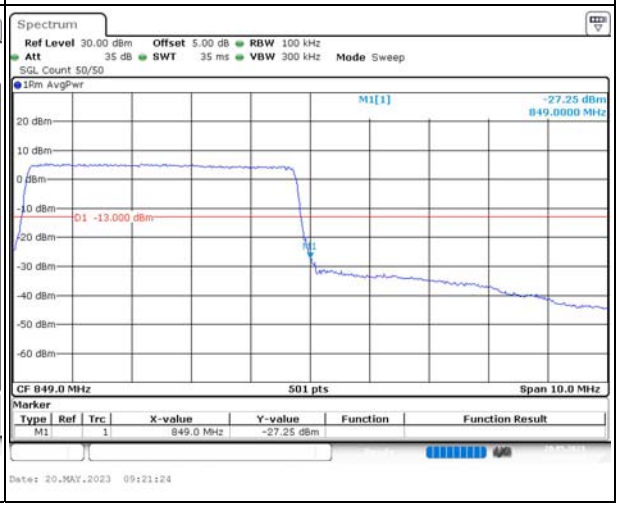
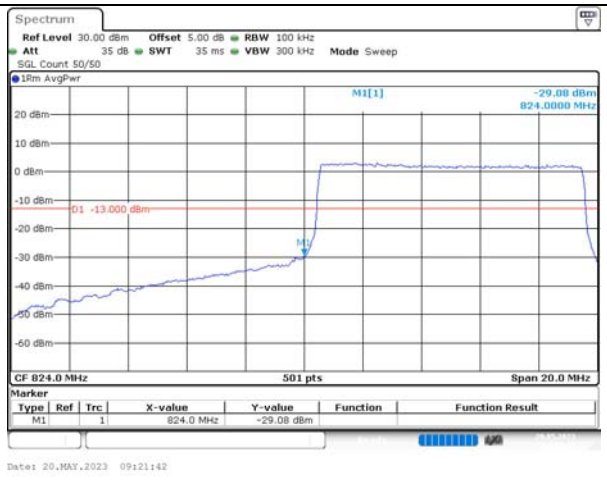
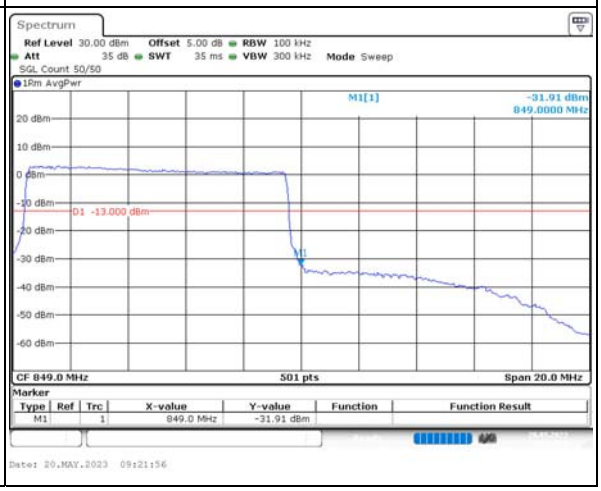
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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

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

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

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

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

4.9 Antenna Port Test Data and Results for LTE Band 7

Serial Number:	25TU-1	Test Date:	2023/05/20~2023/06/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	22.3~26.8	Relative Humidity: (%)	39~59	ATM Pressure: (kPa)	100.1~102.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/07/15	2023/07/14
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	2022/07/15	2023/07/14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022/09/29	2023/09/28
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	2502.5	2535	2567.5
10MHz	2505	2535	2565
15MHz	2507.5	2535	2562.5
20MHz	2510	2535	2560

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	23.04	22.41	21.03	23.57	33
	RB1#13	23.05	22.78	21.15		
	RB1#24	23.07	22.71	20.64		
	RB15#0	21.97	21.81	21.11		
	RB15#10	22.07	21.73	20.98		
	RB25#0	21.98	21.83	20.98		
5MHz 16QAM	RB1#0	22.06	21.50	20.77	22.68	33
	RB1#13	22.18	21.45	20.66		
	RB1#24	22.02	21.51	20.49		
	RB15#0	21.14	21.10	20.58		
	RB15#10	21.10	21.11	20.54		
	RB25#0	21.21	21.04	20.62		
10MHz QPSK	RB1#0	22.92	22.30	22.06	23.50	33
	RB1#25	22.97	22.88	21.33		
	RB1#49	23.00	22.78	21.15		
	RB25#0	22.00	21.88	21.41		
	RB25#25	22.03	21.84	21.28		
	RB50#0	22.02	21.83	21.28		
10MHz 16QAM	RB1#0	22.16	21.41	21.81	22.76	33
	RB1#25	22.19	21.37	21.66		
	RB1#49	22.26	21.45	21.63		
	RB25#0	21.25	21.23	20.61		
	RB25#25	21.27	21.18	20.51		
	RB50#0	21.28	21.07	20.58		
15MHz QPSK	RB1#0	22.89	22.24	22.40	23.51	33
	RB1#38	22.95	22.85	21.72		
	RB1#74	23.01	22.78	20.90		
	RB36#0	21.93	21.77	21.43		
	RB36#39	22.05	21.80	21.29		
	RB75#0	22.06	21.86	21.39		
15MHz 16QAM	RB1#0	22.35	22.47	21.92	22.97	33
	RB1#38	22.45	22.38	21.83		
	RB1#74	22.45	22.22	21.42		
	RB36#0	21.19	21.05	20.81		
	RB36#39	21.24	21.03	20.71		
	RB75#0	21.28	21.01	20.66		
20MHz QPSK	RB1#0	23.08	22.25	22.63	23.70	33
	RB1#50	23.20	22.73	22.31		
	RB1#99	23.18	22.61	21.46		

	RB50#0	21.93	21.84	21.60		
	RB50#50	21.97	21.83	21.41		
	RB100#0	22.03	21.83	21.56		
20MHz 16QAM	RB1#0	22.24	22.68	21.66	23.27	33
	RB1#50	22.23	22.77	21.54		
	RB1#99	22.22	22.65	21.50		
	RB50#0	21.13	21.06	20.85		
	RB50#50	21.19	21.00	20.75		
	RB100#0	21.21	21.10	20.68		
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	
10MHz QPSK	RB1#0	4.09	5.04	4.2	13
	RB50#0	4.58	4.93	4.84	13
10MHz 16QAM	RB1#0	5.19	5.8	4.84	13
	RB50#0	5.54	5.77	5.68	13
				Result:	**Pass**

FCC §2.1049, §27.53:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.511	4.531	4.551	5.20	5.40	5.34
5MHz 16QAM	4.531	4.571	4.531	5.36	5.38	5.34
10MHz QPSK	8.942	8.982	8.982	9.84	10.00	9.84
10MHz 16QAM	8.982	8.982	8.942	9.88	10.04	9.88
15MHz QPSK	13.473	13.593	13.593	15.30	15.96	15.78
15MHz 16QAM	13.533	13.533	13.593	15.30	15.00	15.12
20MHz QPSK	17.964	18.044	17.964	19.84	20.08	19.76
20MHz 16QAM	17.964	18.044	18.044	20.00	20.40	19.84
Note: The test plots please refer to the Plots of Occupied Bandwidth						

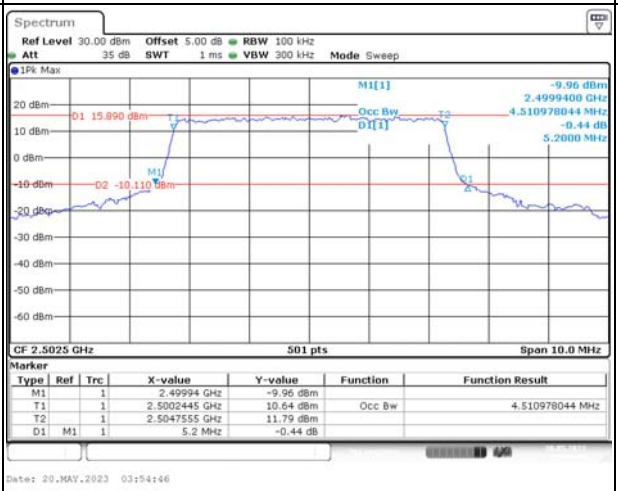
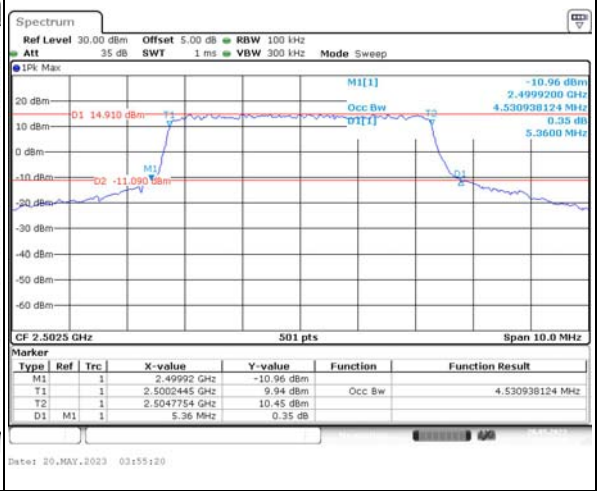
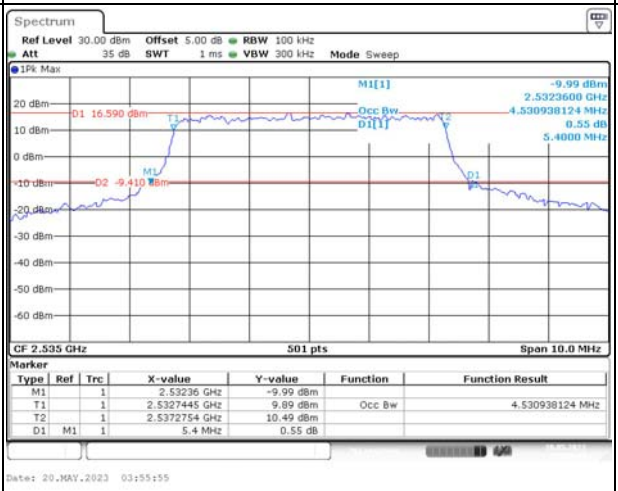
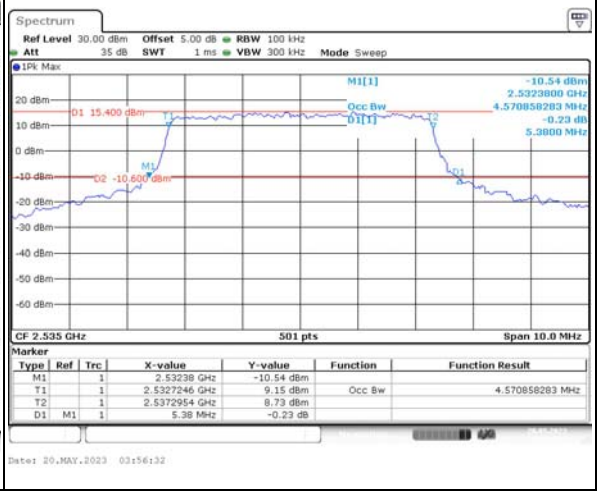
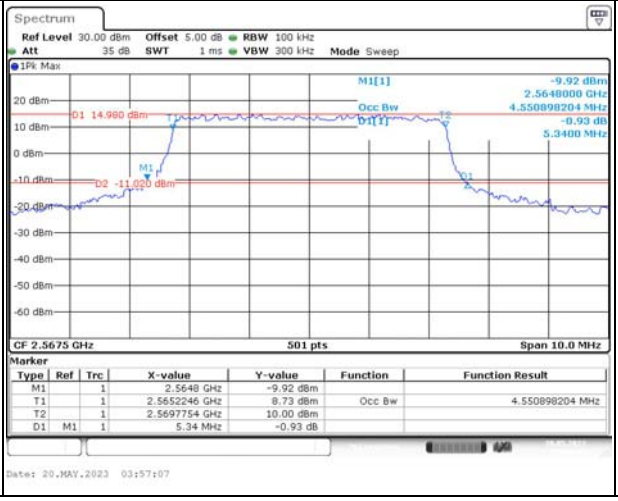
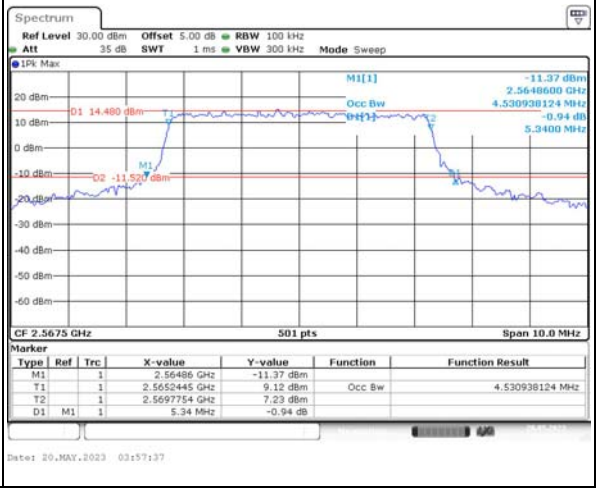
FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

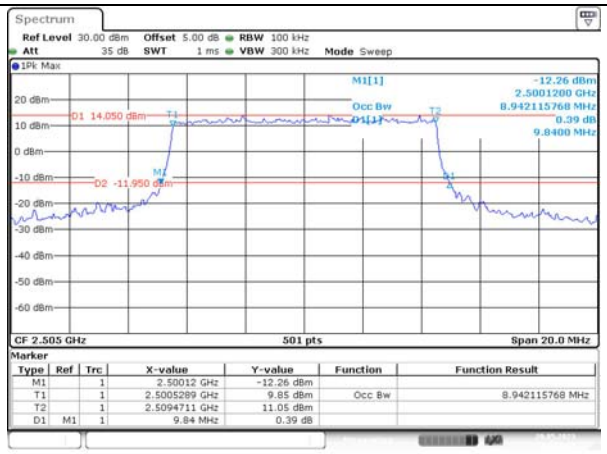
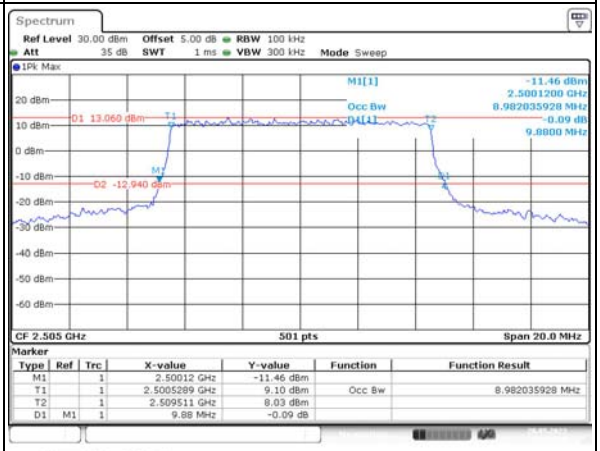
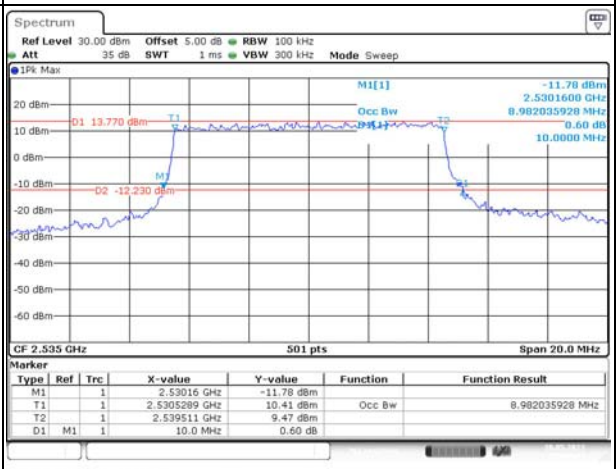
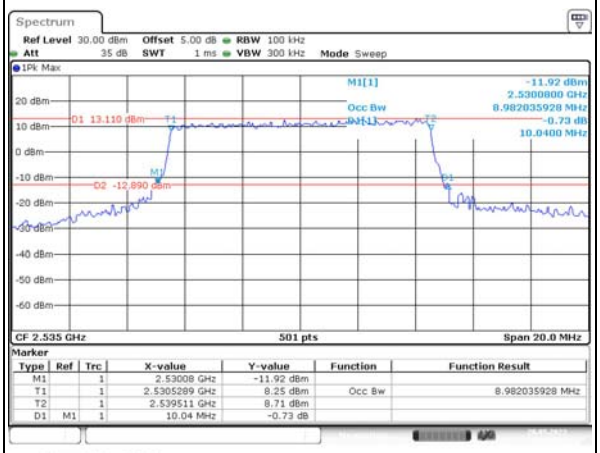
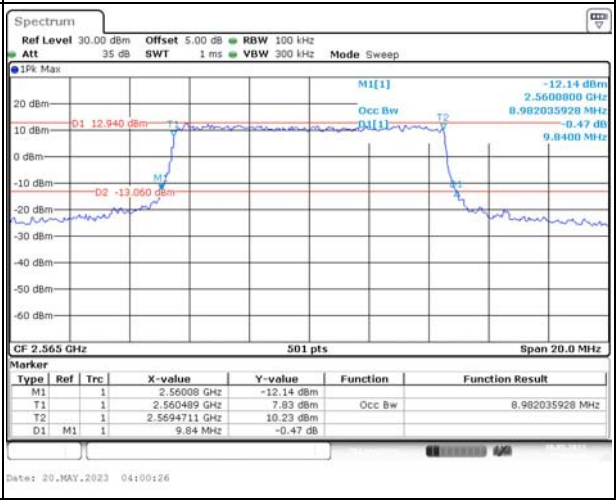
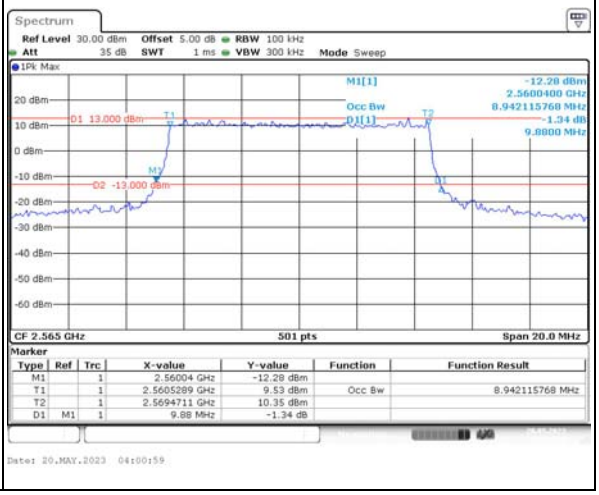
FCC §2.1051, § 27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

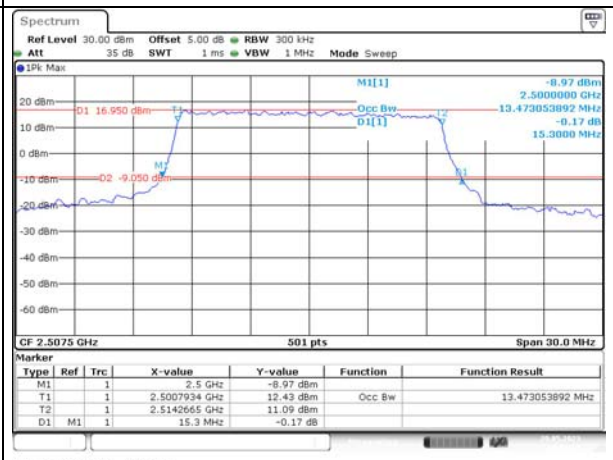
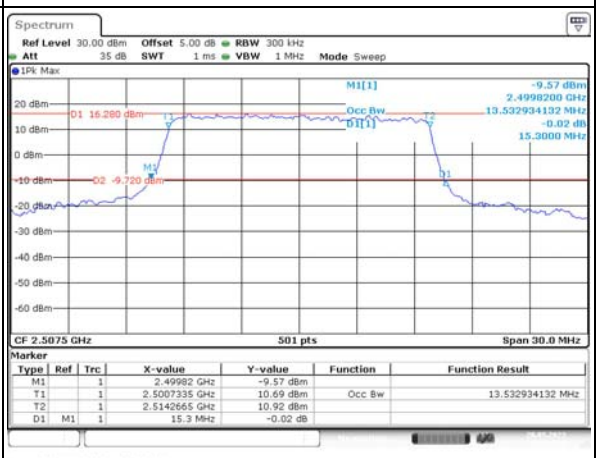
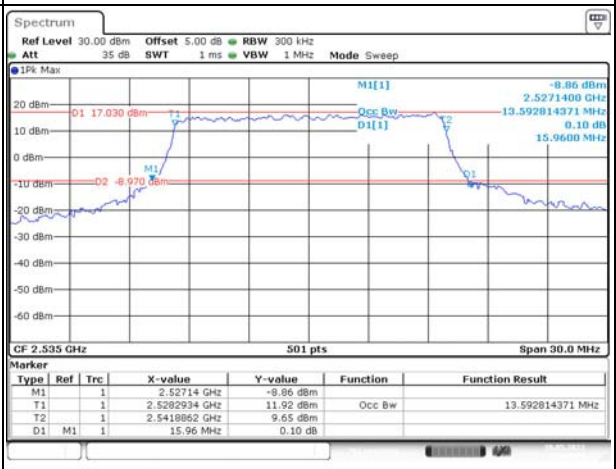
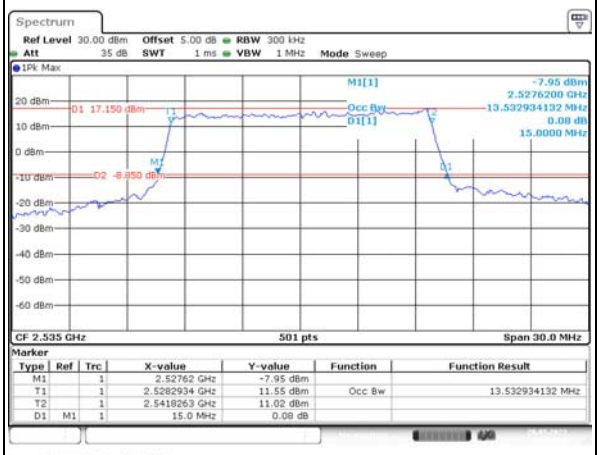
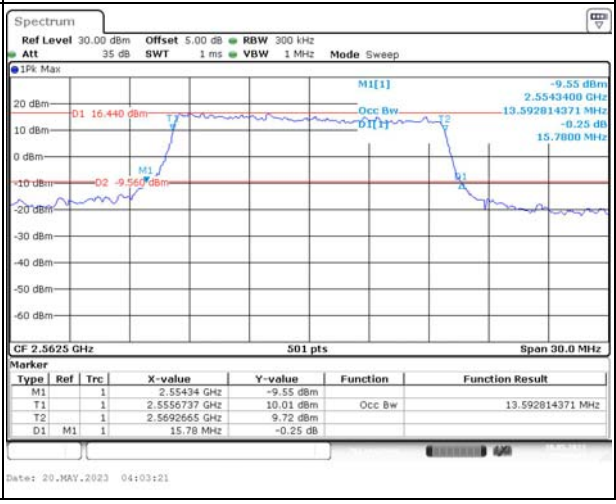
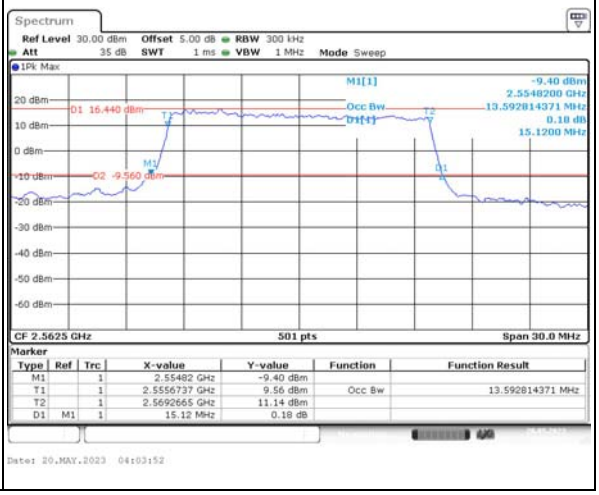
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2501.070	2500.00	2568.972	2570
	-20	3.85	2501.080	2500.00	2568.998	2570
	-10	3.85	2501.052	2500.00	2568.985	2570
	0	3.85	2501.086	2500.00	2568.978	2570
	10	3.85	2501.012	2500.00	2568.921	2570
	20	3.85	2501.058	2500.00	2568.942	2570
	30	3.85	2501.091	2500.00	2568.970	2570
	40	3.85	2501.024	2500.00	2568.947	2570
	50	3.85	2501.096	2500.00	2568.966	2570
Frequency Stability vs. Voltage	20	3.5	2501.006	2500.00	2568.973	2570
	20	4.4	2501.027	2500.00	2568.905	2570
					Result:	**Pass**

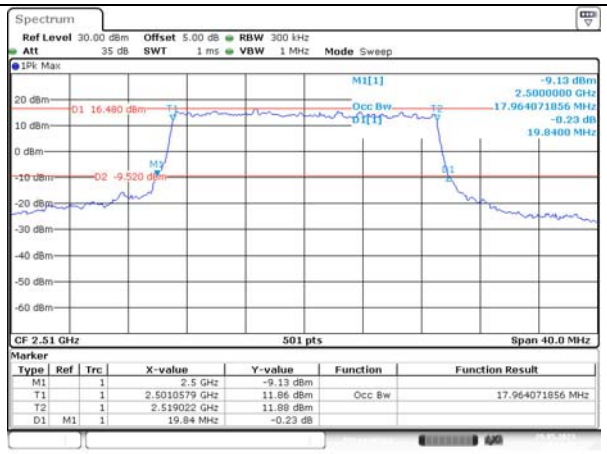
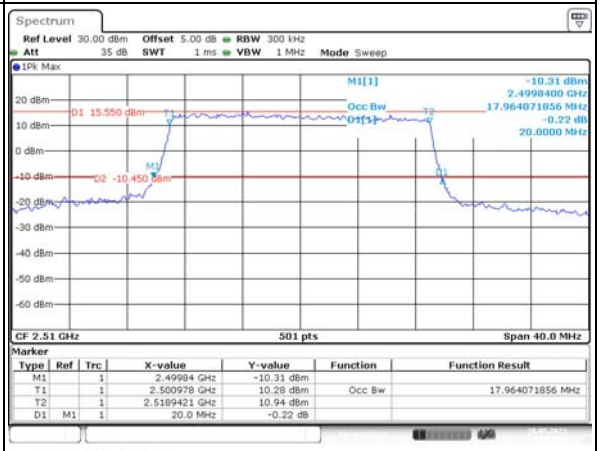
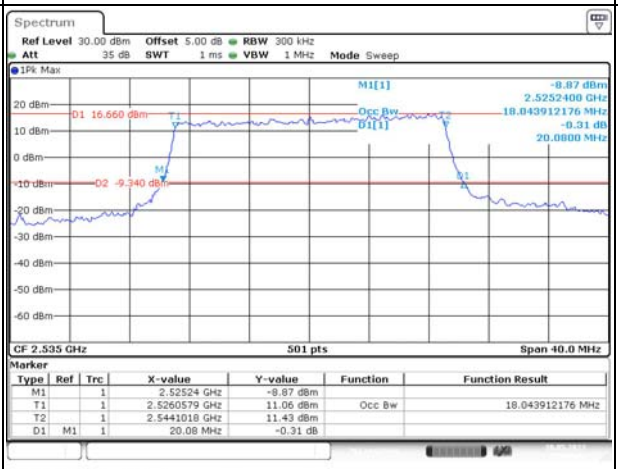
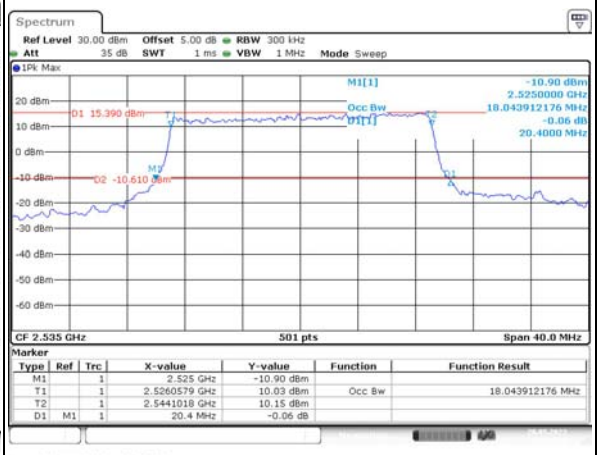
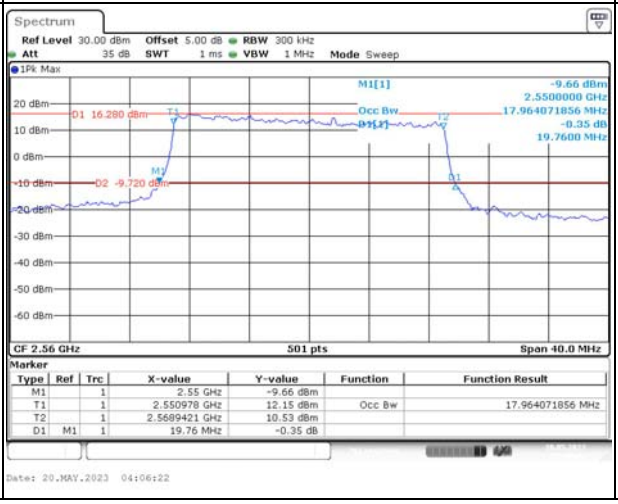
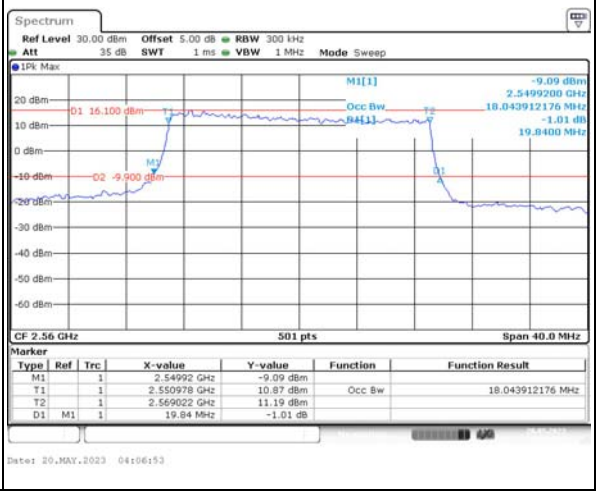
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2500.918	2500.00	2569.041	2570
	-20	3.85	2500.931	2500.00	2569.034	2570
	-10	3.85	2500.965	2500.00	2569.091	2570
	0	3.85	2500.926	2500.00	2569.099	2570
	10	3.85	2500.993	2500.00	2569.024	2570
	20	3.85	2500.978	2500.00	2569.022	2570
	30	3.85	2500.905	2500.00	2569.029	2570
	40	3.85	2500.997	2500.00	2569.060	2570
	50	3.85	2500.939	2500.00	2569.025	2570
Frequency Stability vs. Voltage	20	3.5	2500.938	2500.00	2569.094	2570
	20	4.4	2500.959	2500.00	2569.043	2570
					Result:	**Pass**

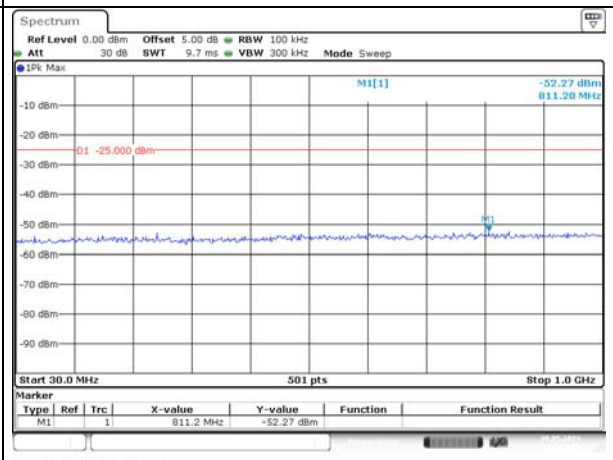
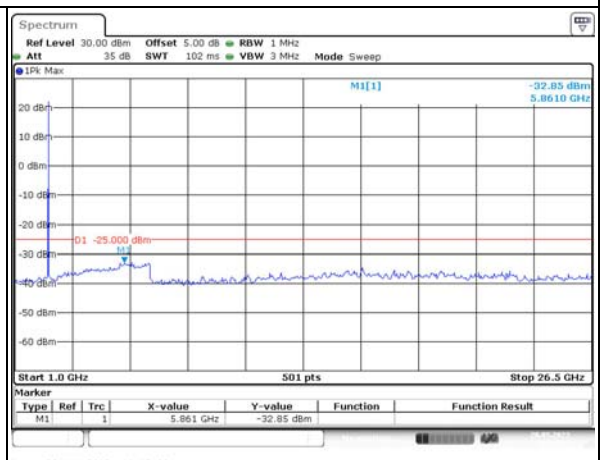
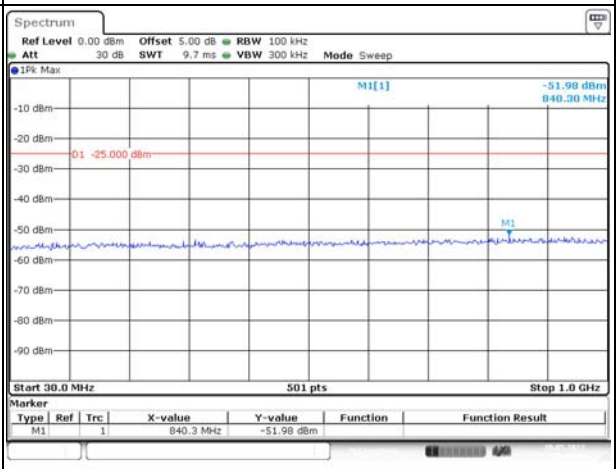
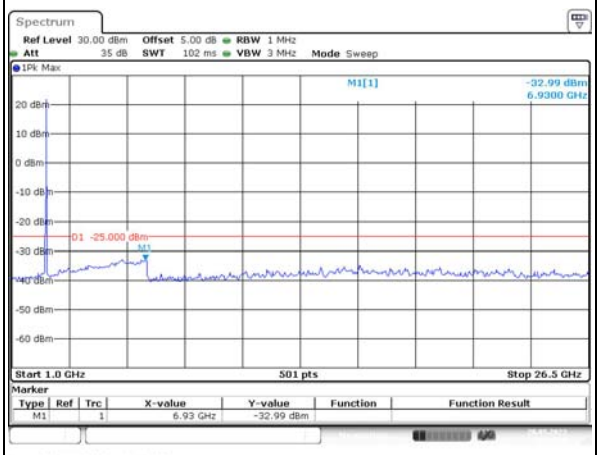
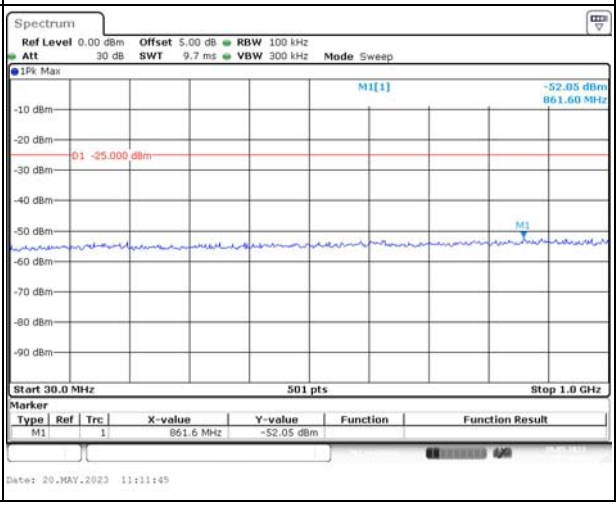
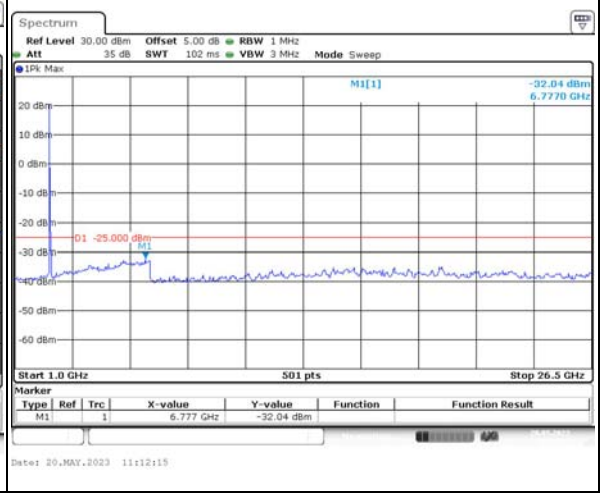
Test Plots(Note: The 5.0dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

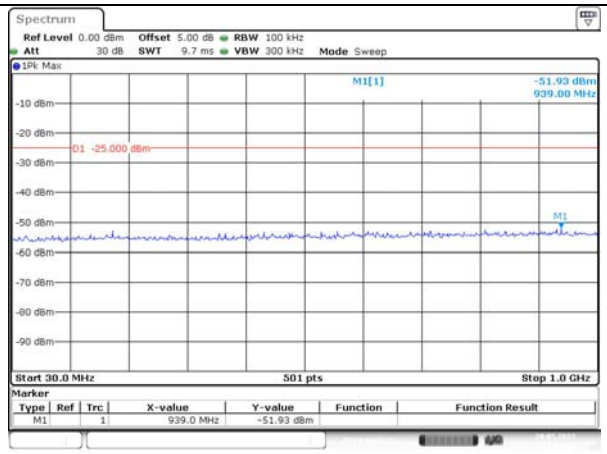
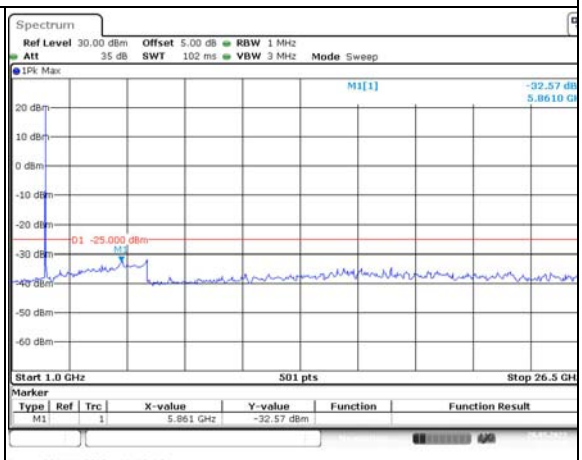
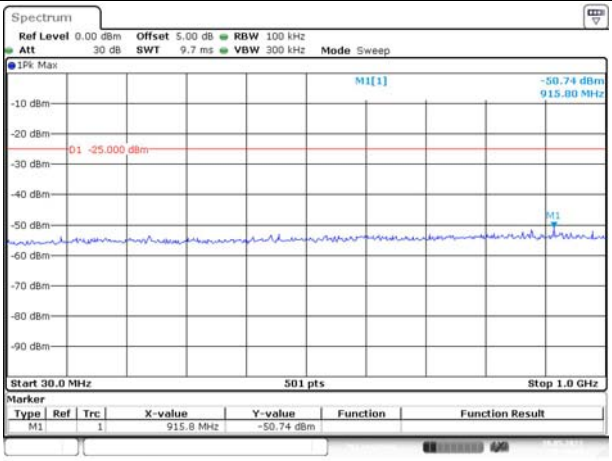
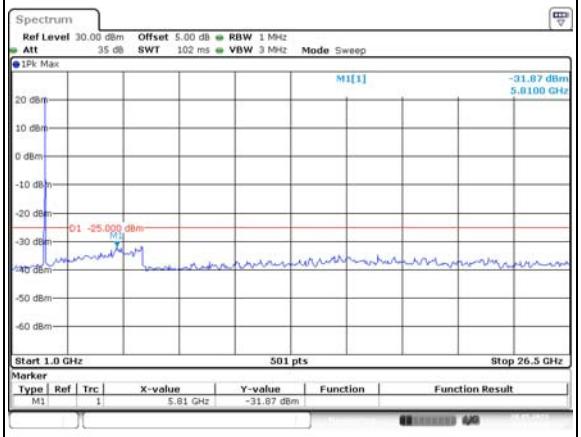
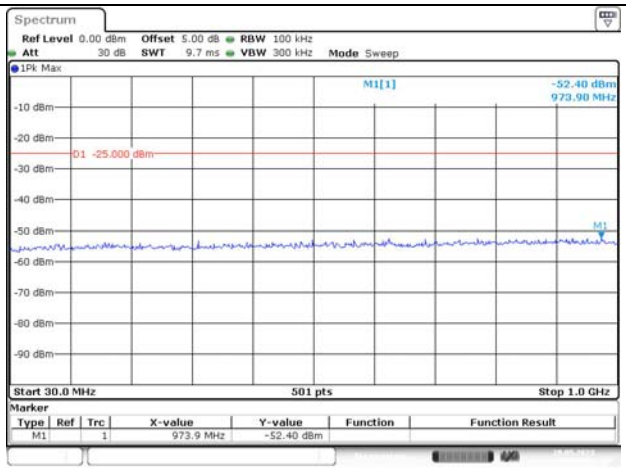
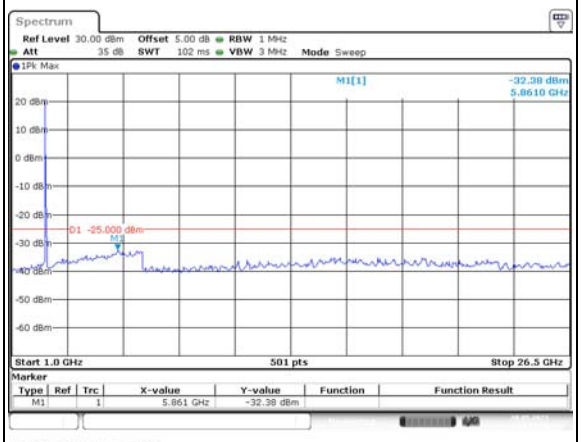
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

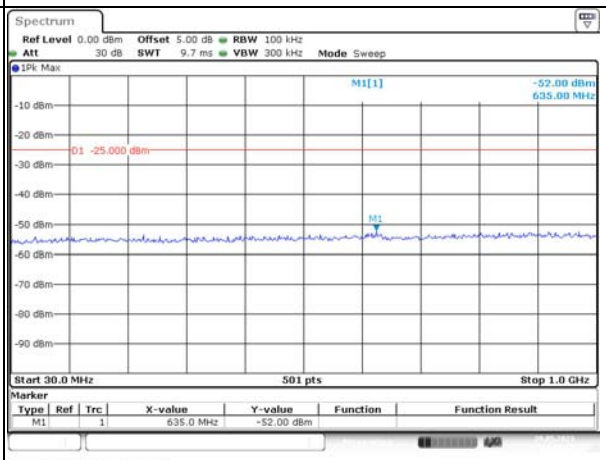
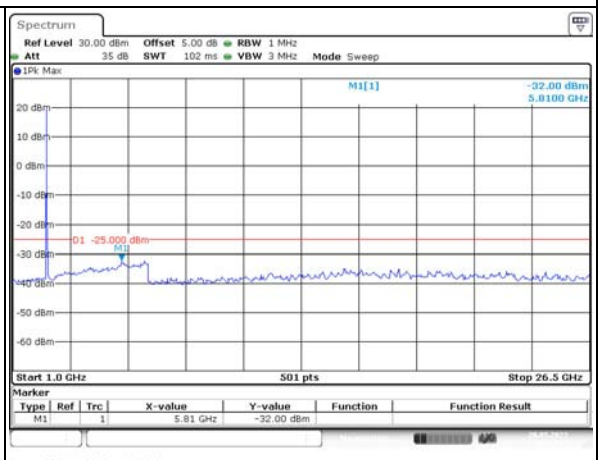
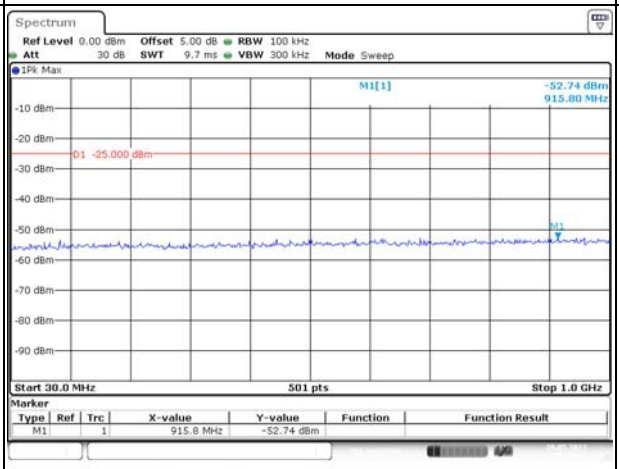
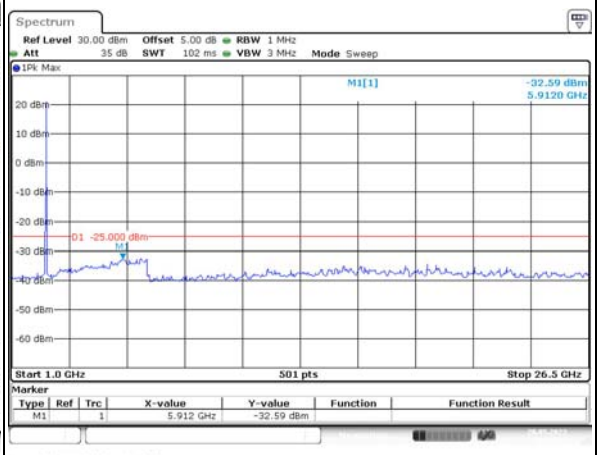
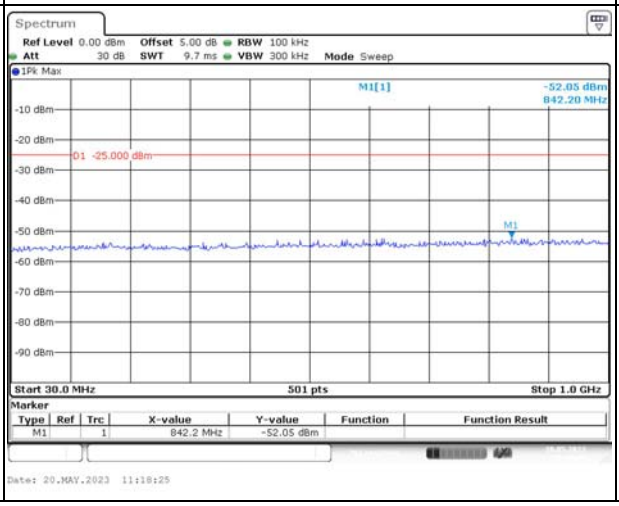
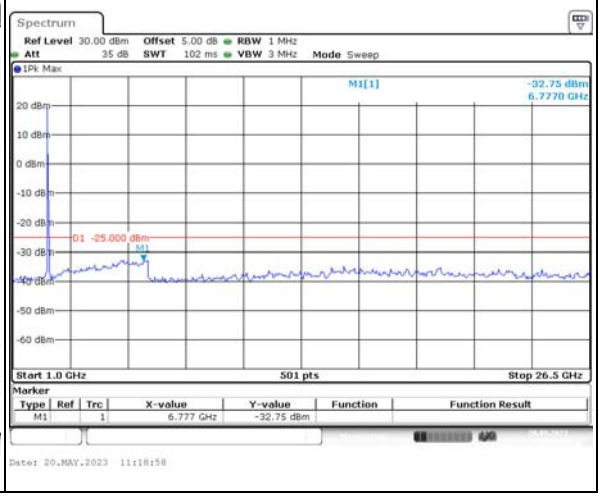
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

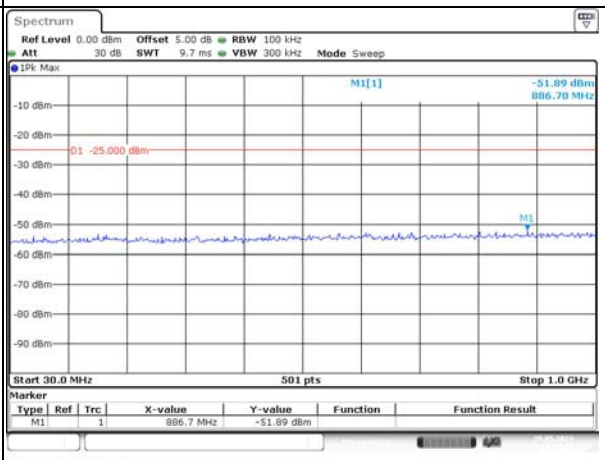
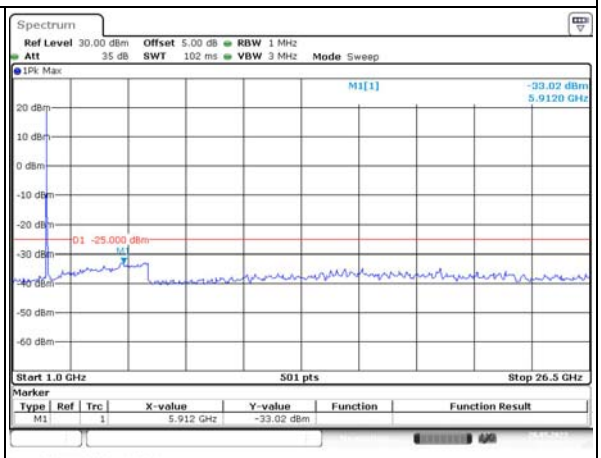
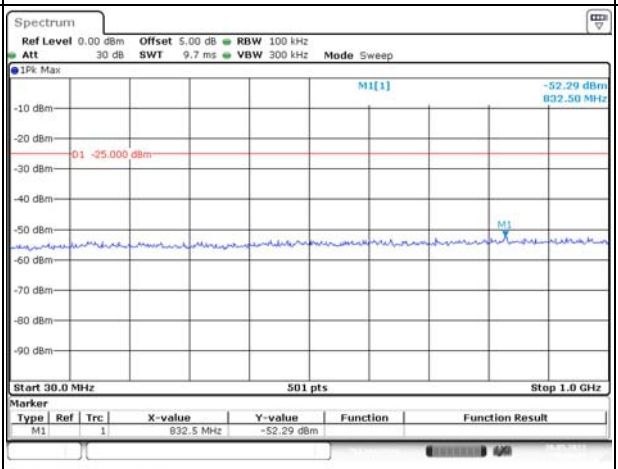
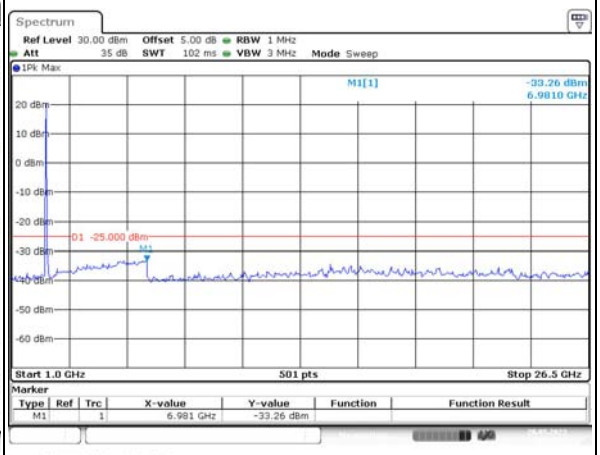
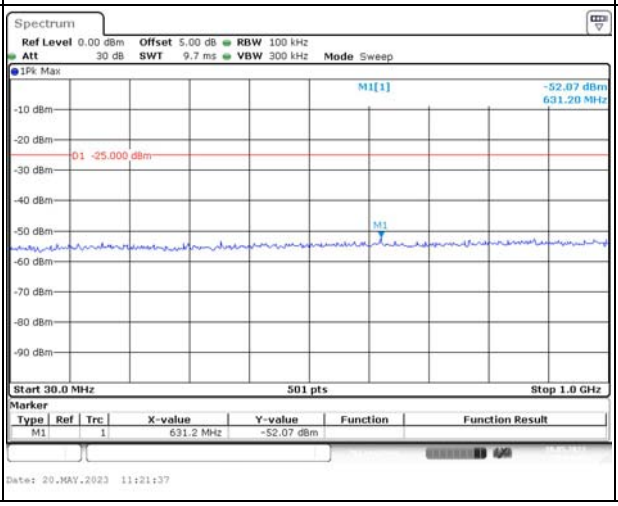
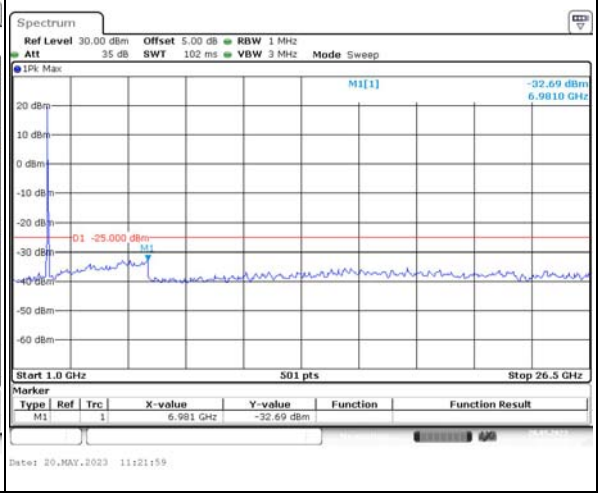
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

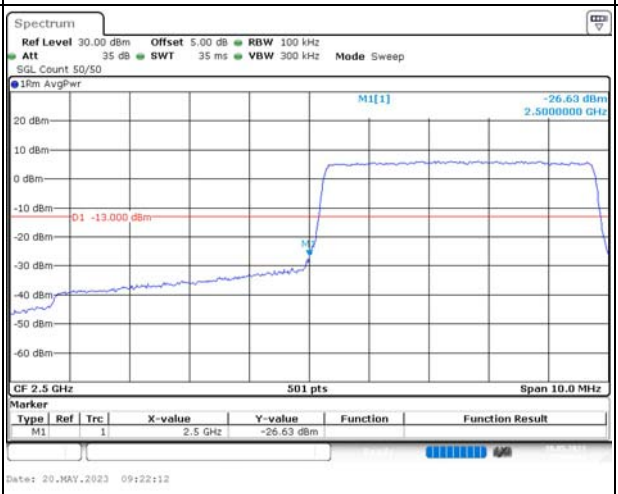
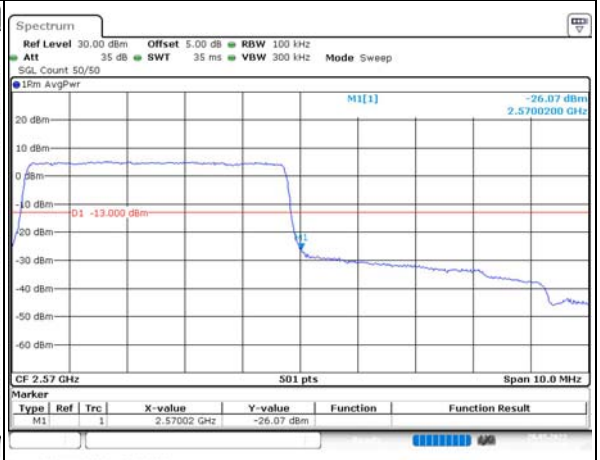
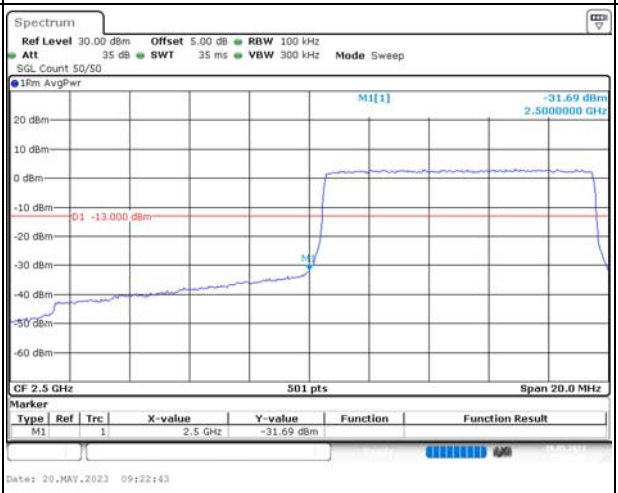
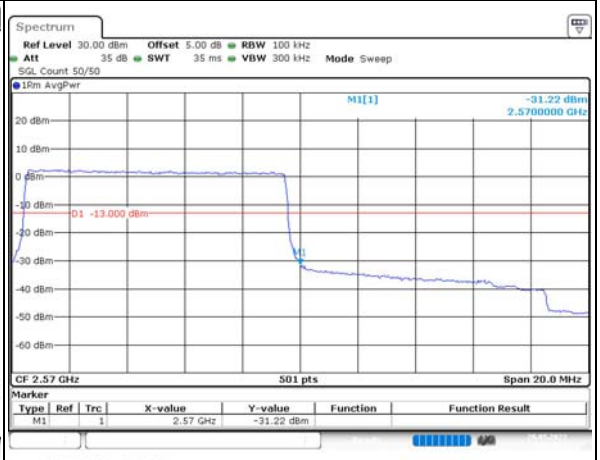
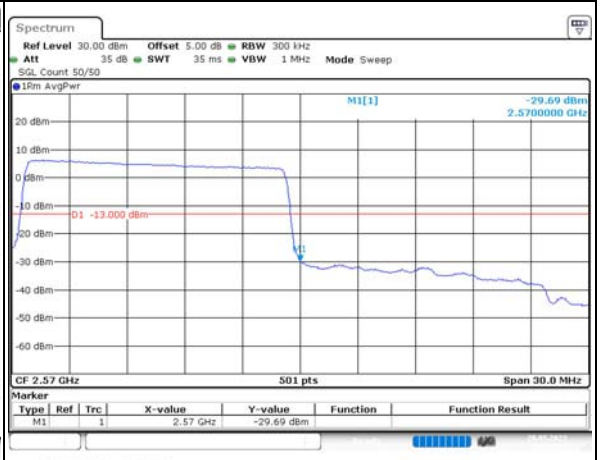
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

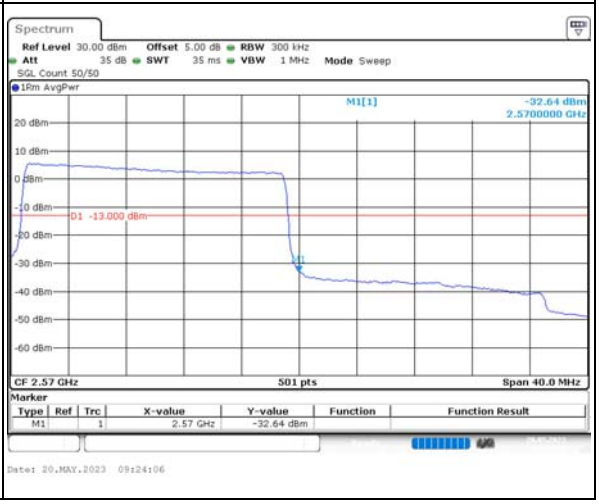
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

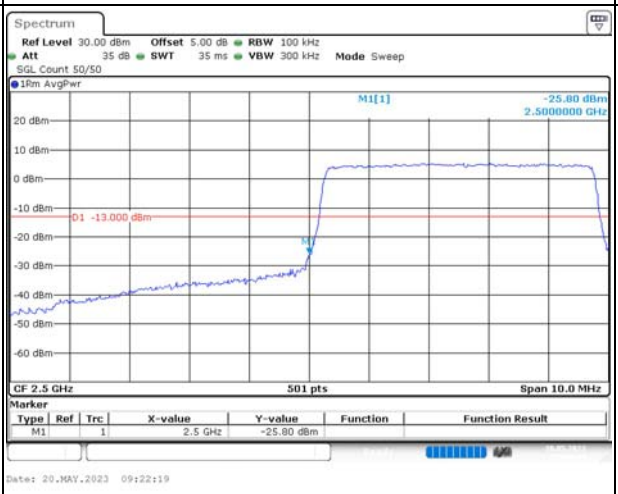
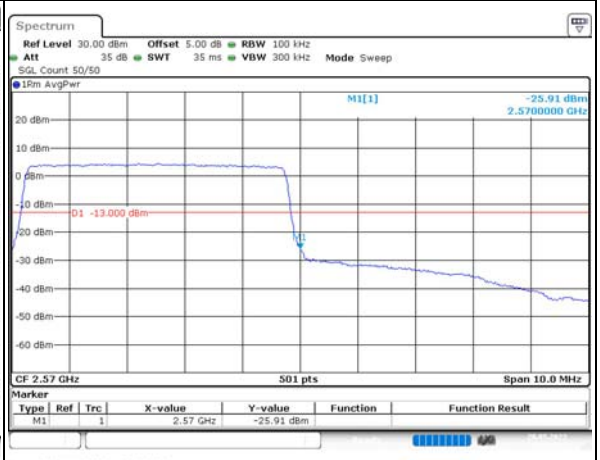
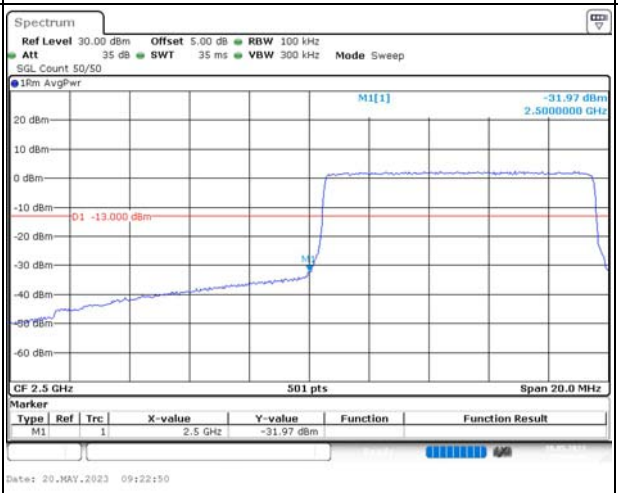
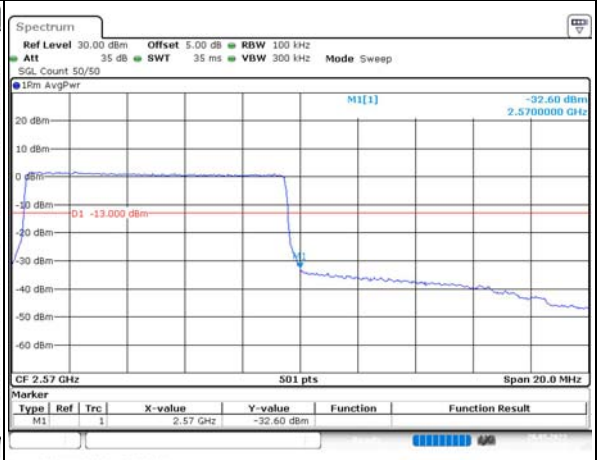
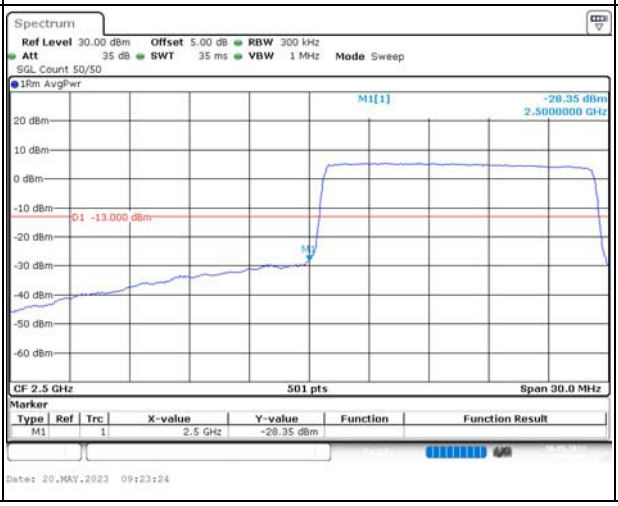
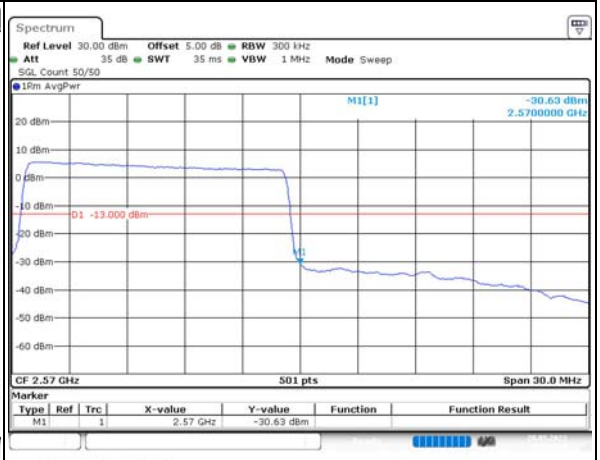
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

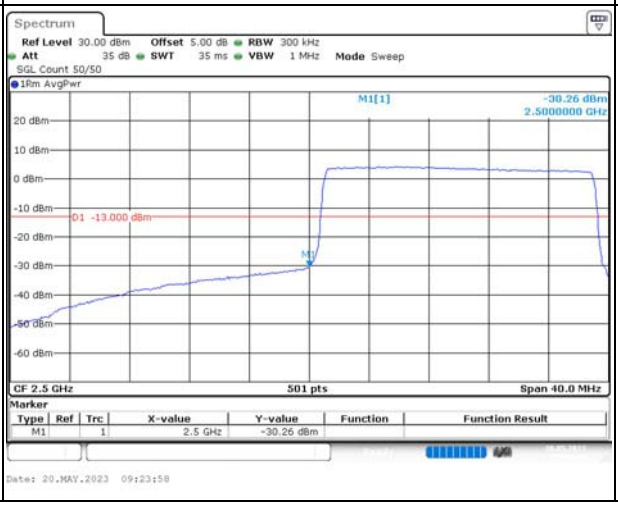
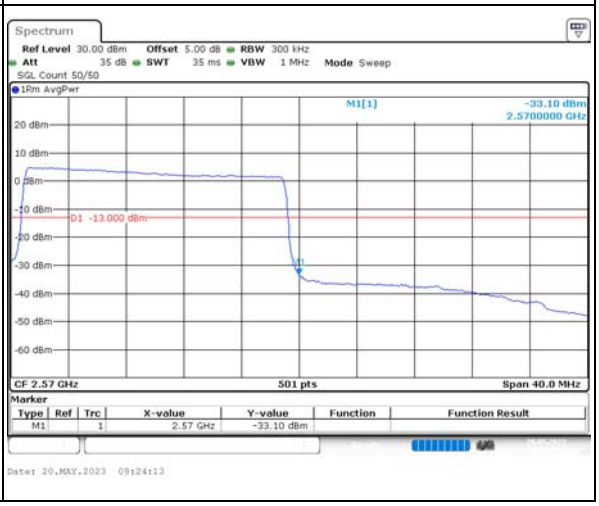
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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		
16QAM 10MHz		
16QAM 15MHz		

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

4.10 Antenna Port Test Data and Results for LTE Band 12

Serial Number:	25TU-1	Test Date:	2023/05/20~2023/06/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	22.3~26.8	Relative Humidity: (%)	39~59	ATM Pressure: (kPa)	100.1~102.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/07/15	2023/07/14
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	2022/07/15	2023/07/14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022/09/29	2023/09/28
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	699.7	707.5	715.3
3MHz	700.5	707.5	714.5
5MHz	701.5	707.5	713.5
10MHz	704	707.5	711

Test Data:

FCC§2.1046;§ 27.50(c) (10)						
RF Output Power:						
Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	24.03	24.12	24.13	20.09	34.77
	RB1#3	24.08	24.15	24.18		
	RB1#5	24.06	24.22	24.16		
	RB3#0	24.11	24.33	24.16		
	RB3#3	24.13	24.34	24.16		
	RB6#0	23.10	23.13	23.21		
1.4MHz 16QAM	RB1#0	23.39	22.80	23.56	19.38	34.77
	RB1#3	23.39	22.81	23.55		
	RB1#5	23.47	22.82	23.63		
	RB3#0	23.20	23.27	23.21		
	RB3#3	23.25	23.21	23.35		
	RB6#0	22.30	22.48	22.50		
3MHz QPSK	RB1#0	24.02	24.07	24.16	19.91	34.77
	RB1#8	23.94	24.14	24.10		
	RB1#14	24.16	24.08	24.15		
	RB6#0	23.20	23.14	23.16		
	RB6#9	23.13	23.17	23.22		
	RB15#0	23.09	23.18	23.21		
3MHz 16QAM	RB1#0	23.86	22.90	23.43	19.61	34.77
	RB1#8	23.85	22.79	23.41		
	RB1#14	23.84	22.78	23.47		
	RB6#0	22.17	22.30	22.24		
	RB6#9	22.25	22.44	22.24		
	RB15#0	22.17	22.27	22.26		
5MHz QPSK	RB1#0	24.1	24.12	24.18	20.06	34.77
	RB1#13	24.31	24.12	24.14		
	RB1#24	24.22	24.13	23.96		
	RB15#0	23.09	23.13	23.25		
	RB15#10	23.16	23.17	23.24		
	RB25#0	23.07	23.2	23.25		
5MHz 16QAM	RB1#0	23.25	22.68	22.32	19.00	34.77
	RB1#13	23.20	22.68	22.37		
	RB1#24	23.24	22.82	22.41		
	RB15#0	22.00	22.28	22.31		
	RB15#10	22.21	22.31	22.32		
	RB25#0	22.19	22.14	22.40		
10MHz QPSK	RB1#0	24.03	24.12	24.06	20.04	34.77
	RB1#25	24.25	24.23	23.99		
	RB1#49	24.23	24.29	24.12		

	RB25#0	23.14	23.18	23.06		
	RB25#25	23.14	23.23	23.26		
	RB50#0	23.26	23.11	23.14		
10MHz 16QAM	RB1#0	23.14	22.59	23.18	19.12	34.77
	RB1#25	23.26	22.71	23.25		
	RB1#49	23.18	22.85	23.37		
	RB25#0	22.27	22.33	22.17		
	RB25#25	22.36	22.41	22.38		
	RB50#0	22.30	22.29	22.29		

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 Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	4.14	4.29	5.33	13
	RB50#0	5.16	4.96	4.64	13
10MHz 16QAM	RB1#0	5.1	5.33	6.43	13
	RB50#0	5.97	5.91	5.68	13
				Result:	**Pass**

FCC §2.1049, §27.53:Occupied Bandwidth						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
1.4MHz QPSK	1.102	1.108	1.108	1.320	1.326	1.284
1.4MHz 16QAM	1.102	1.108	1.114	1.284	1.314	1.284
3MHz QPSK	2.695	2.695	2.707	3.048	3.000	3.024
3MHz 16QAM	2.695	2.695	2.707	3.060	3.072	3.012
5MHz QPSK	4.531	4.511	4.551	5.120	5.460	5.320
5MHz 16QAM	4.551	4.571	4.531	5.220	5.420	5.360
10MHz QPSK	8.982	8.982	8.942	9.960	9.880	9.720
10MHz 16QAM	8.982	8.982	8.942	10.000	9.840	9.800
Note: The test plots please refer to the Plots of Occupied Bandwidth						

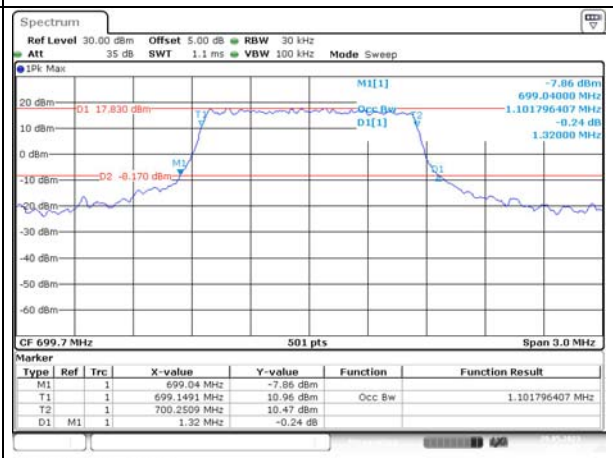
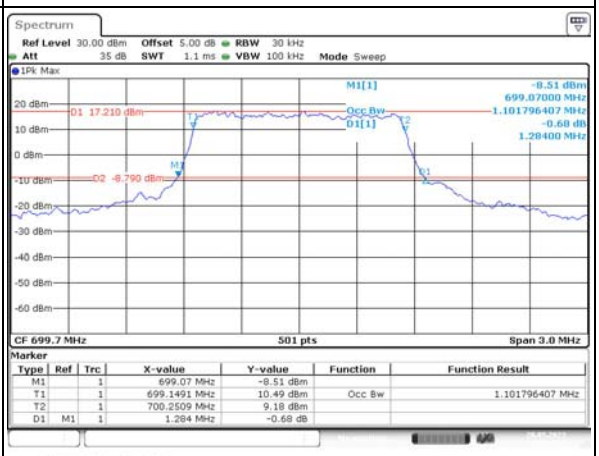
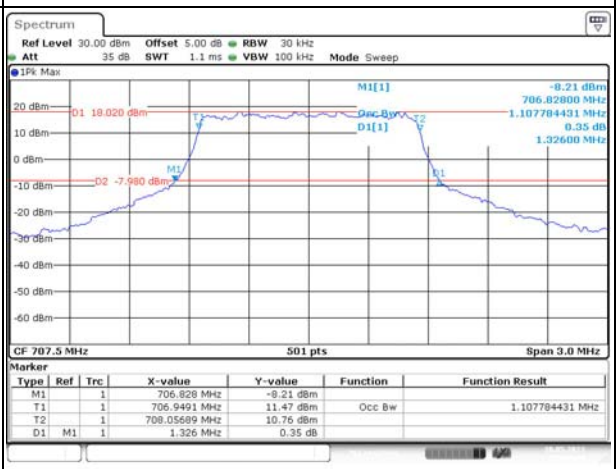
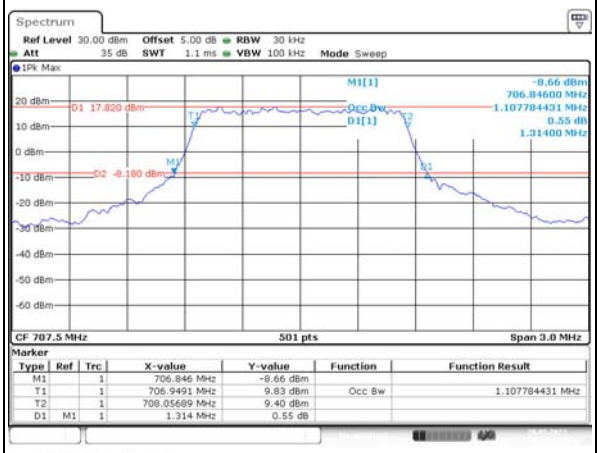
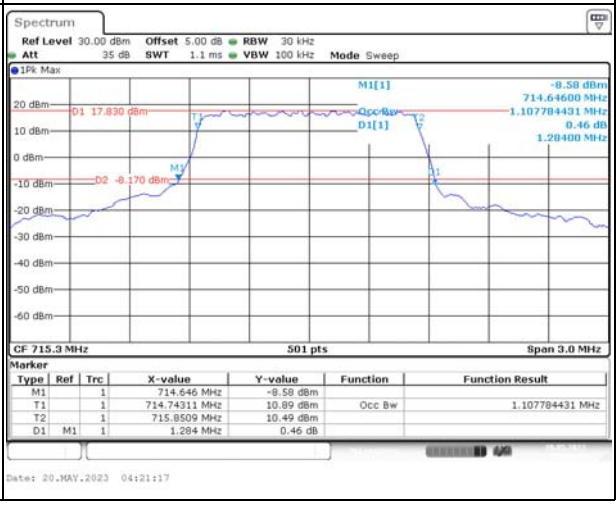
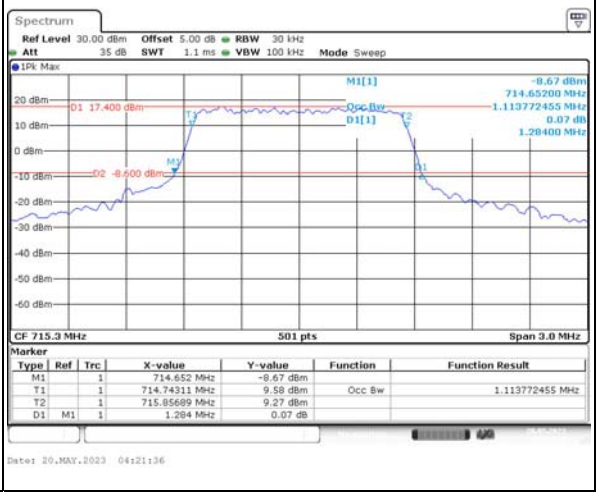
FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

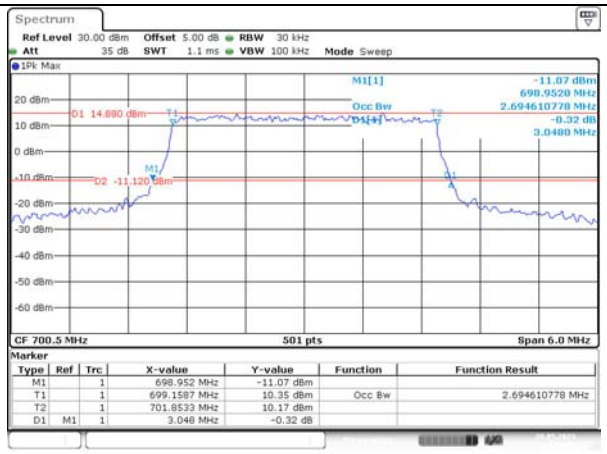
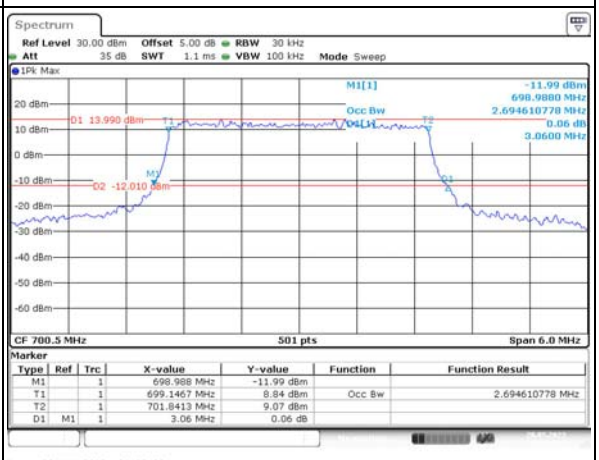
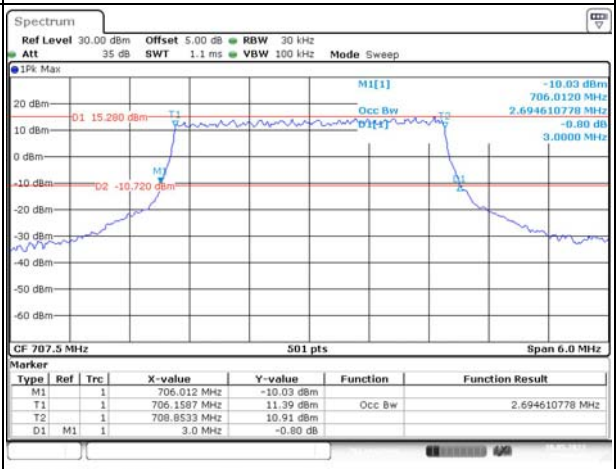
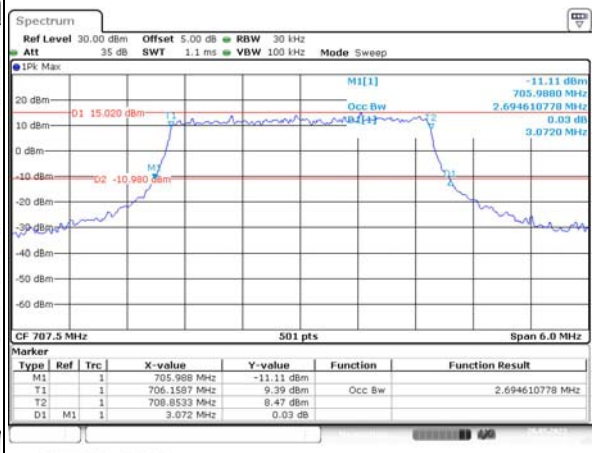
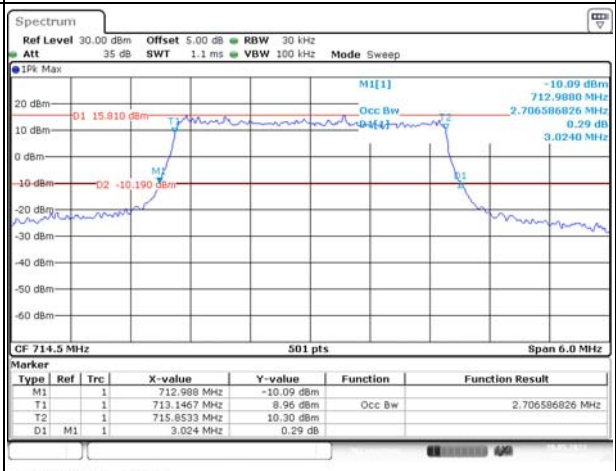
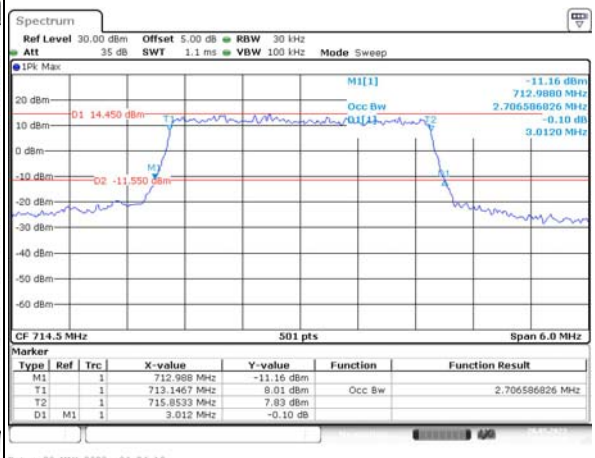
FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

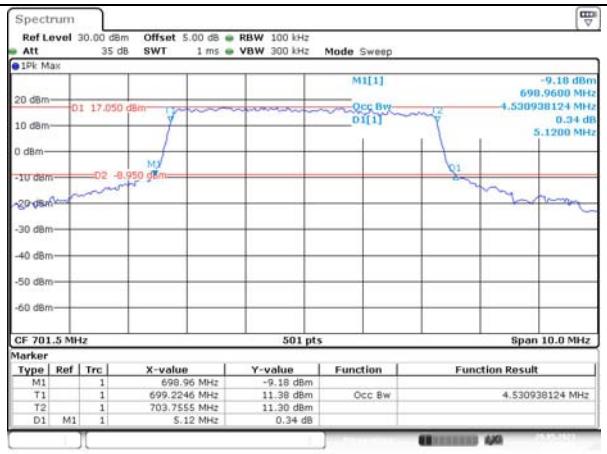
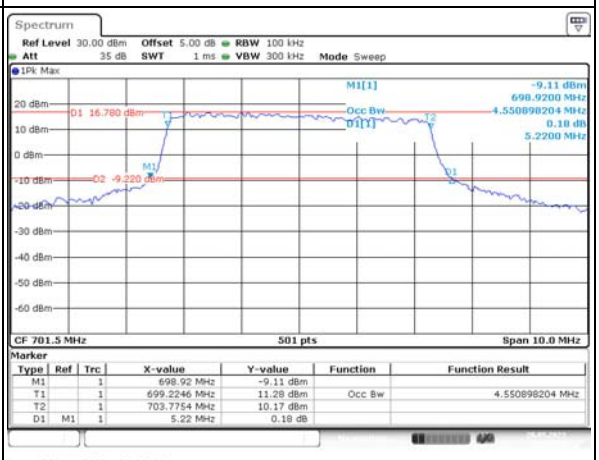
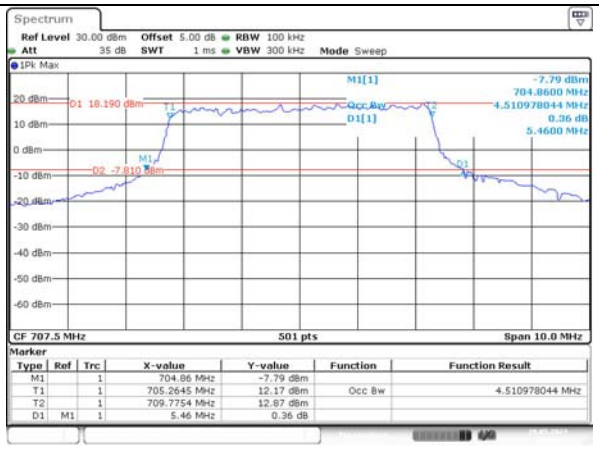
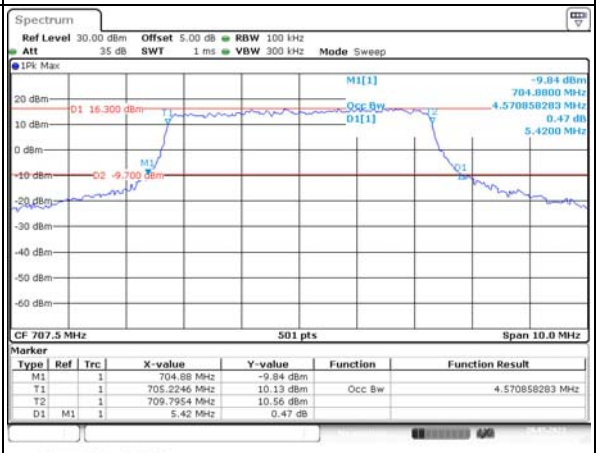
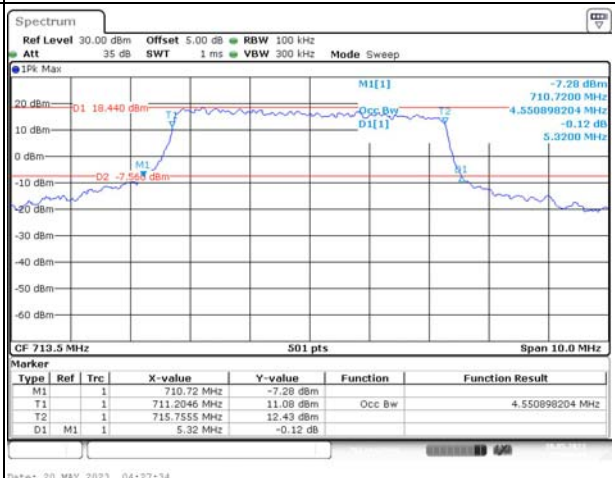
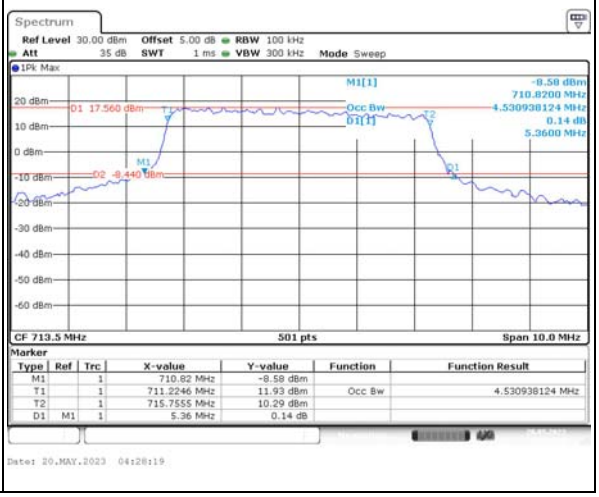
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	699.583	699.00	715.445	716.00
	-20	3.85	699.567	699.00	715.460	716.00
	-10	3.85	699.557	699.00	715.472	716.00
	0	3.85	699.521	699.00	715.466	716.00
	10	3.85	699.596	699.00	715.430	716.00
	20	3.85	699.529	699.00	715.471	716.00
	30	3.85	699.534	699.00	715.466	716.00
	40	3.85	699.546	699.00	715.489	716.00
	50	3.85	699.501	699.00	715.427	716.00
Frequency Stability vs. Voltage	20	3.5	699.592	699.00	715.435	716.00
	20	4.4	699.576	699.00	715.444	716.00
					Result:	**Pass**

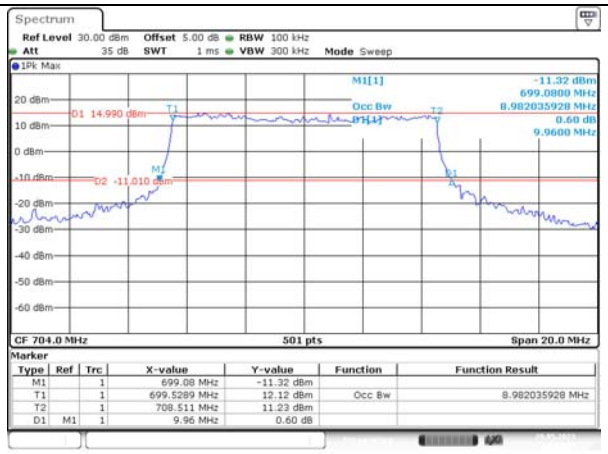
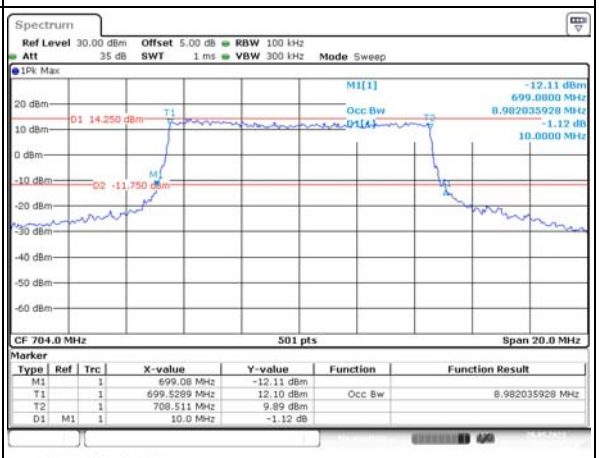
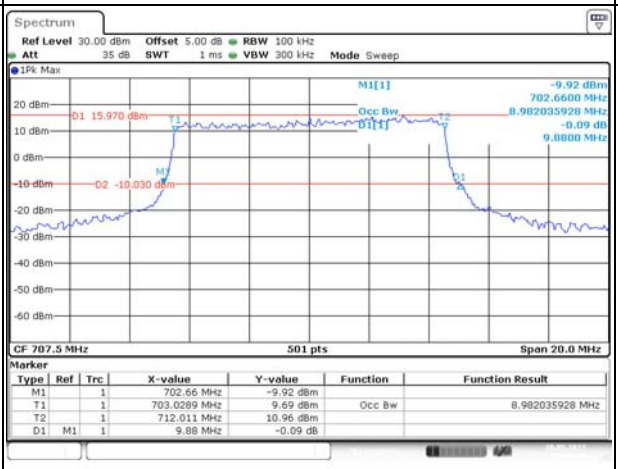
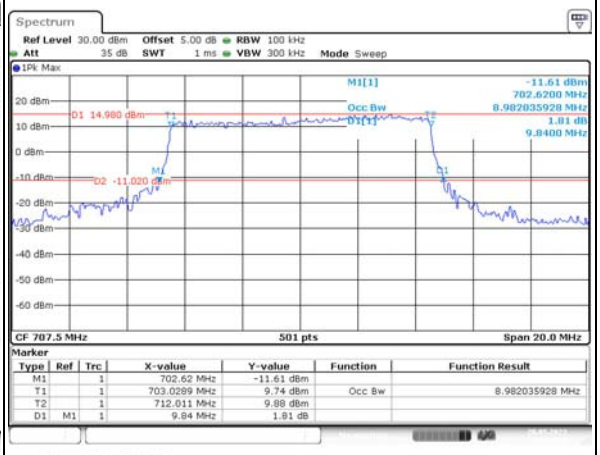
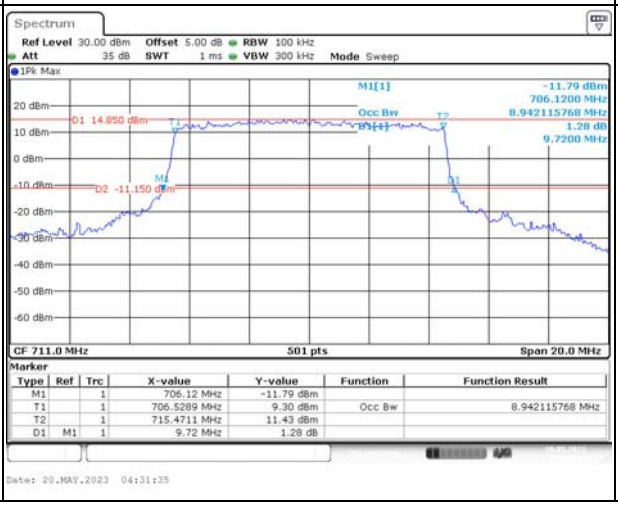
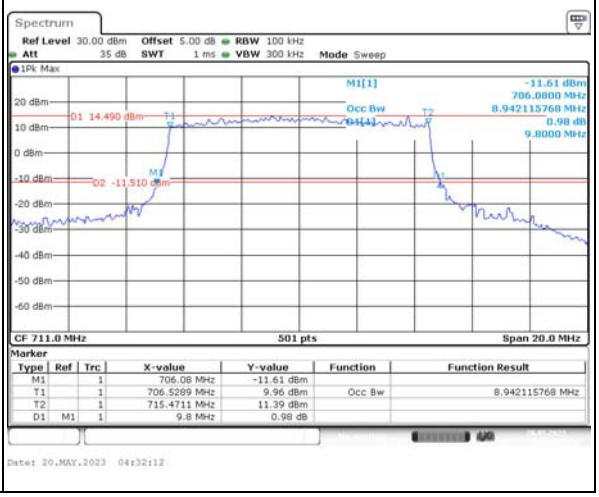
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature(℃)	Voltage(V_{DC})	Lower Edge(MHz)		Upper Edge(MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	699.514	699.00	715.474	716.00
	-20	3.85	699.521	699.00	715.418	716.00
	-10	3.85	699.574	699.00	715.402	716.00
	0	3.85	699.545	699.00	715.479	716.00
	10	3.85	699.558	699.00	715.474	716.00
	20	3.85	699.529	699.00	715.471	716.00
	30	3.85	699.565	699.00	715.478	716.00
	40	3.85	699.525	699.00	715.429	716.00
	50	3.85	699.533	699.00	715.448	716.00
Frequency Stability vs. Voltage	20	3.5	699.509	699.00	715.483	716.00
	20	4.4	699.552	699.00	715.414	716.00
					Result:	**Pass**

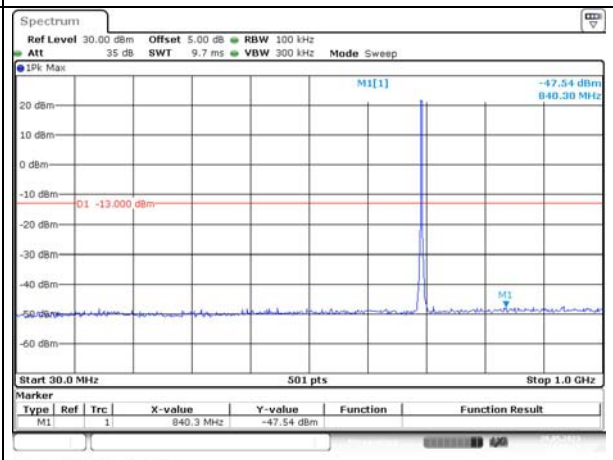
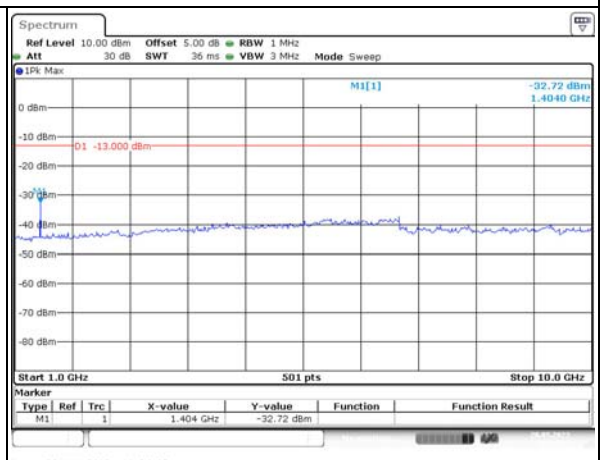
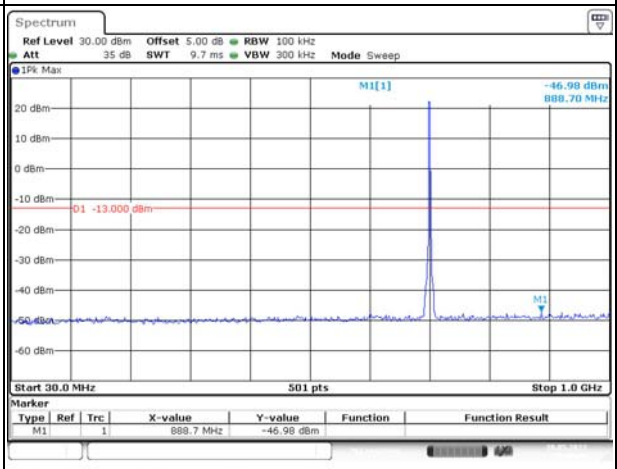
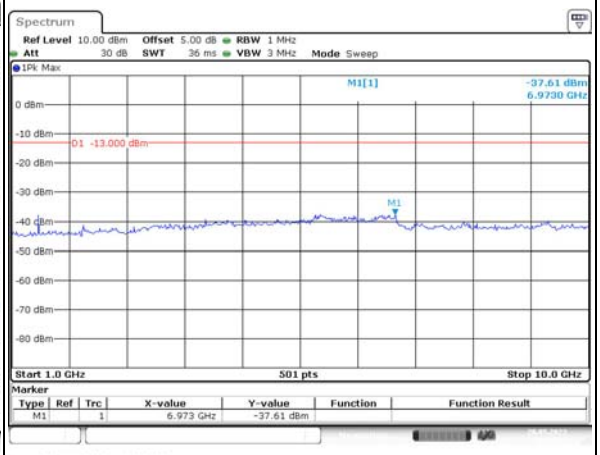
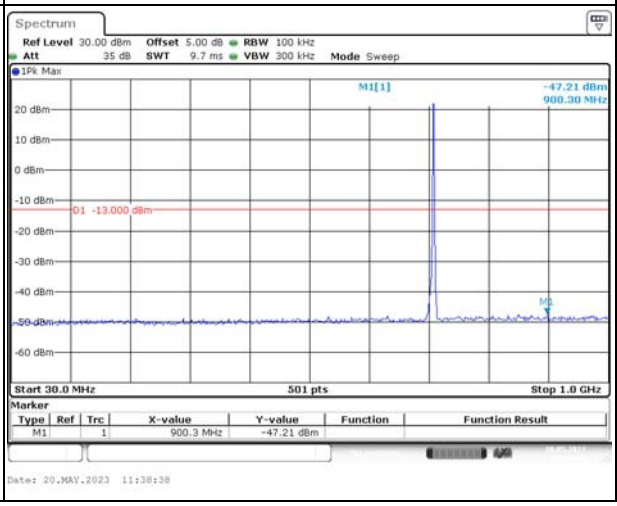
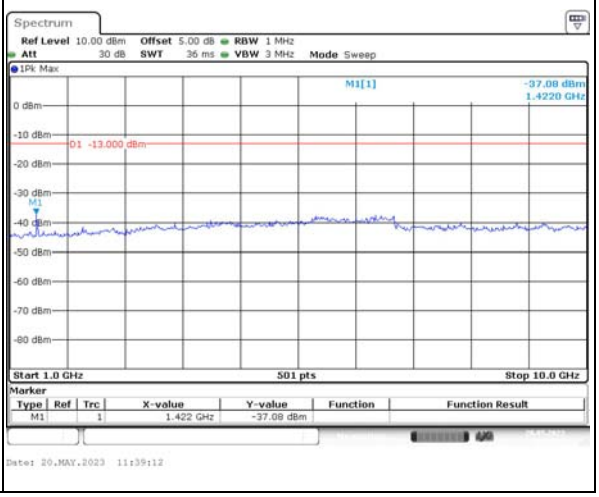
Test Plots(Note: The 5.0dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

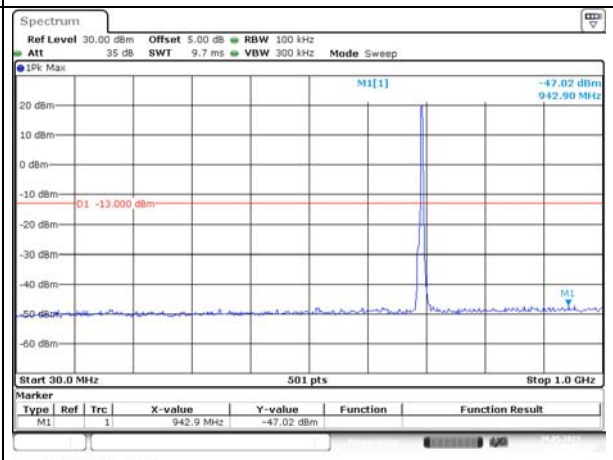
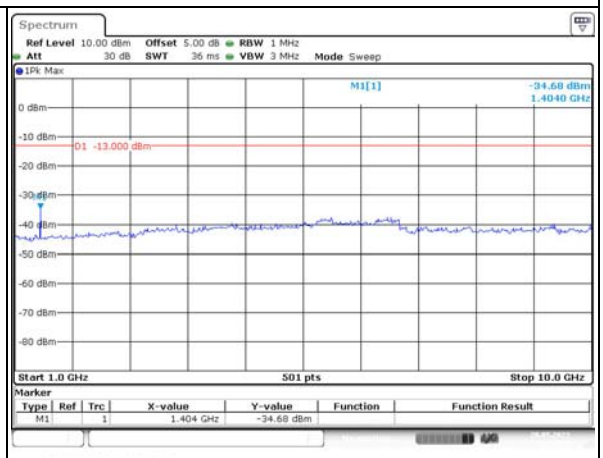
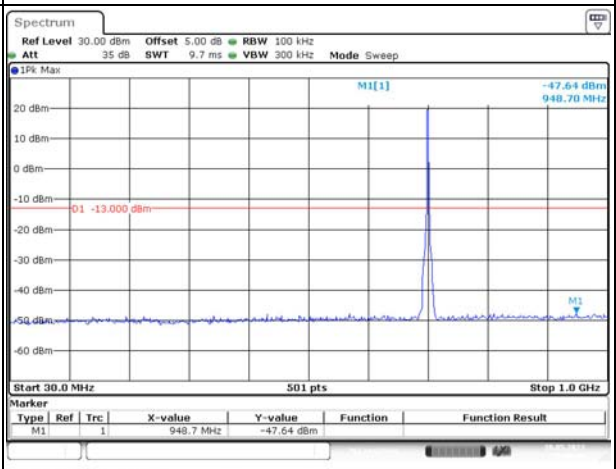
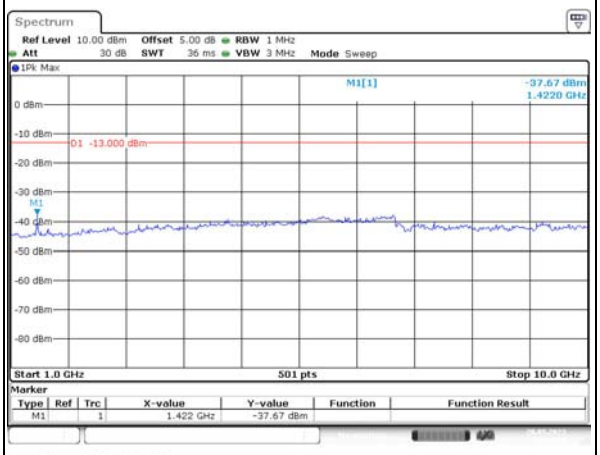
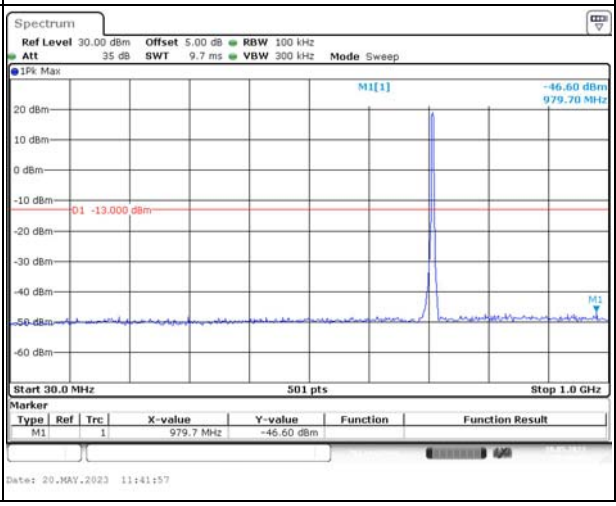
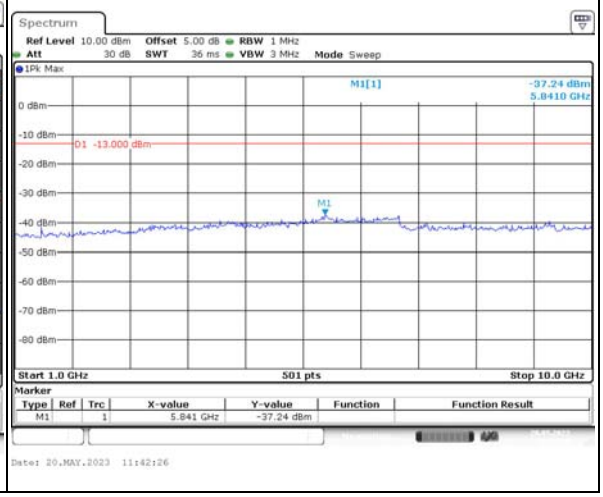
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

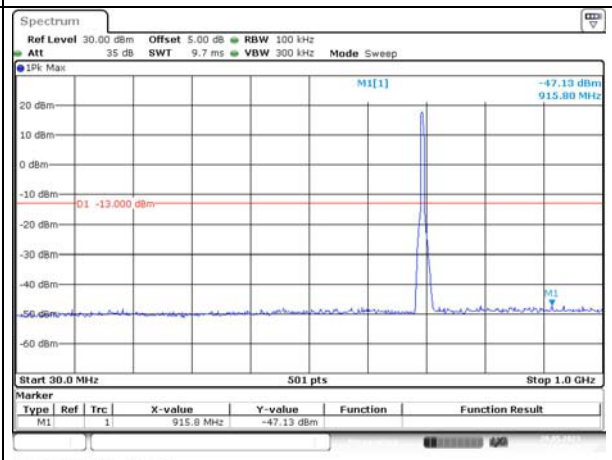
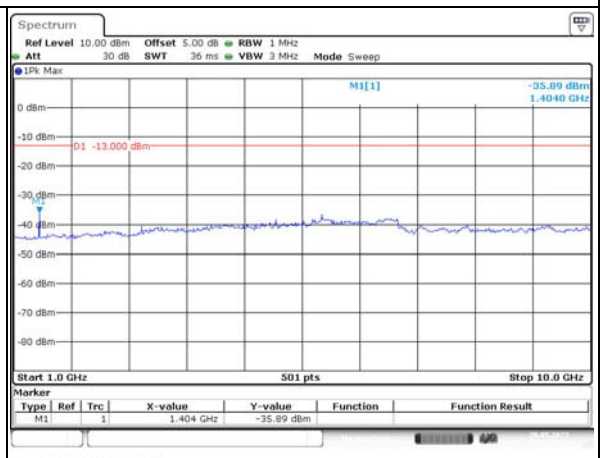
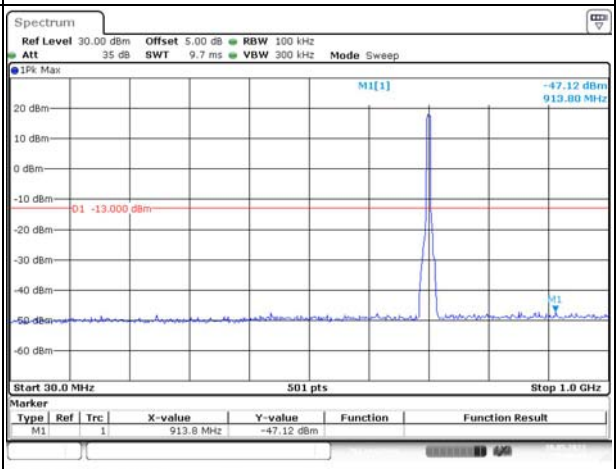
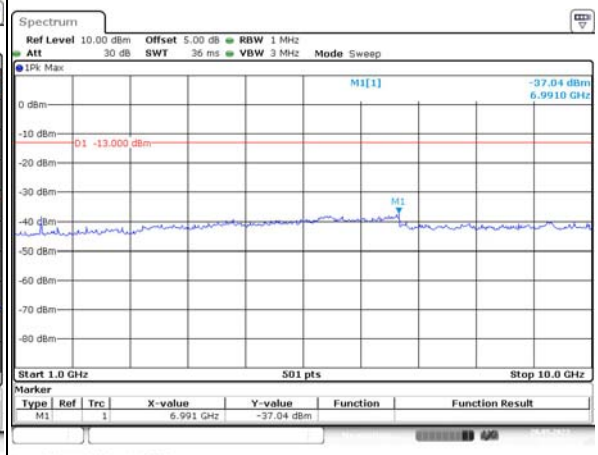
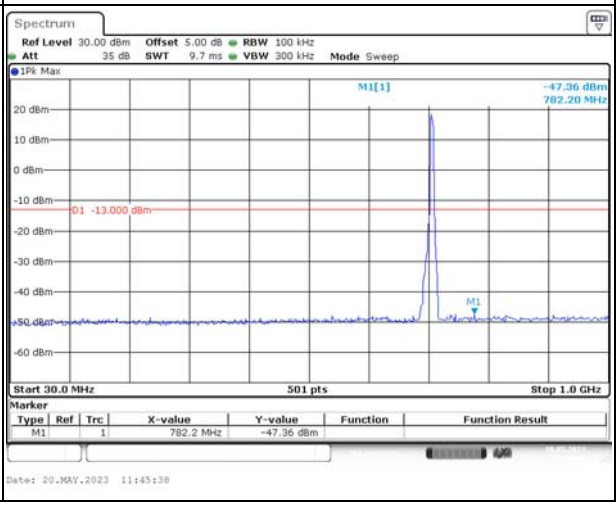
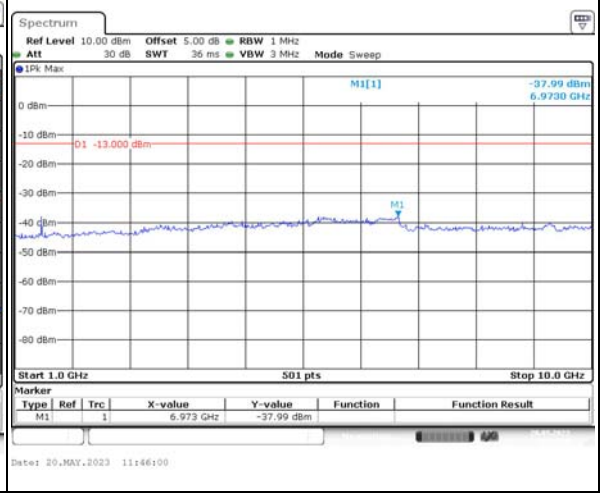
Occupied Bandwidth		
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

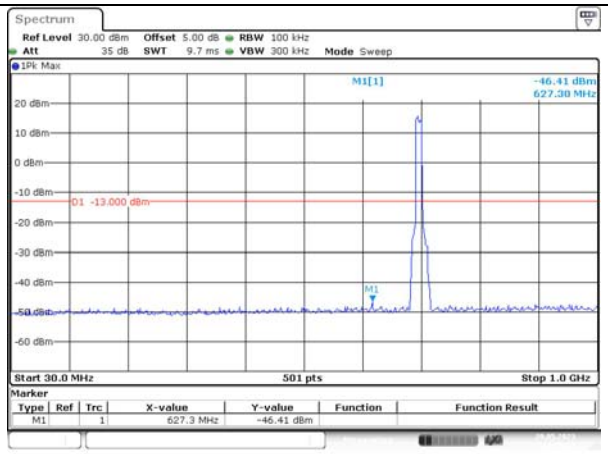
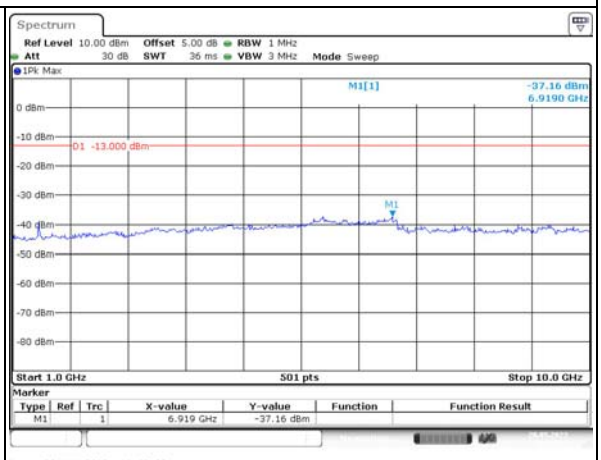
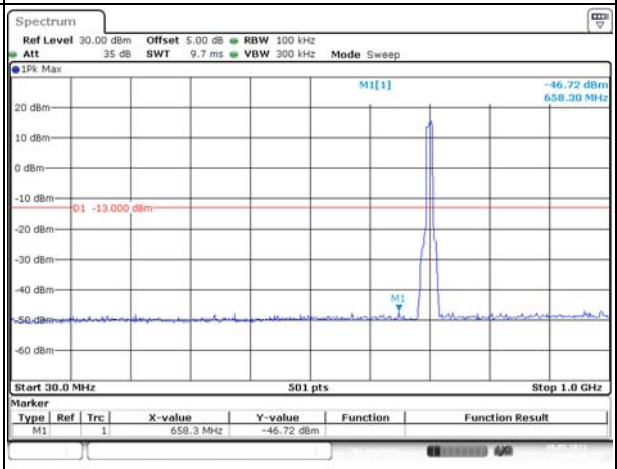
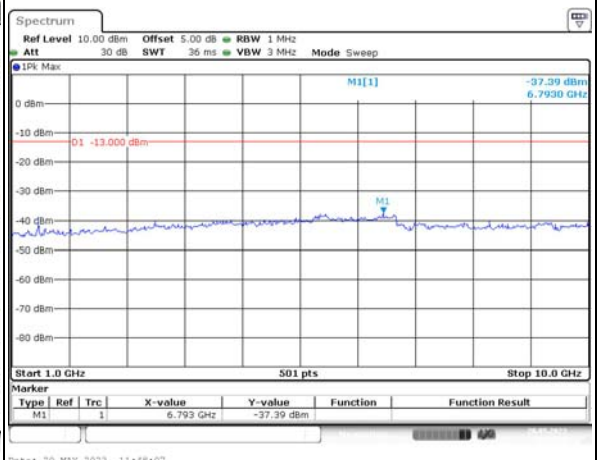
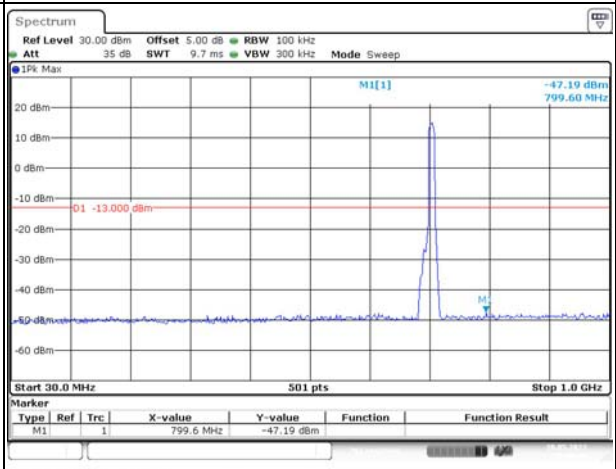
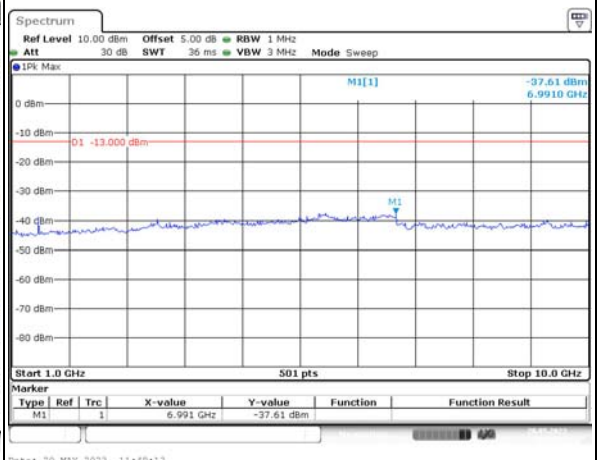
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

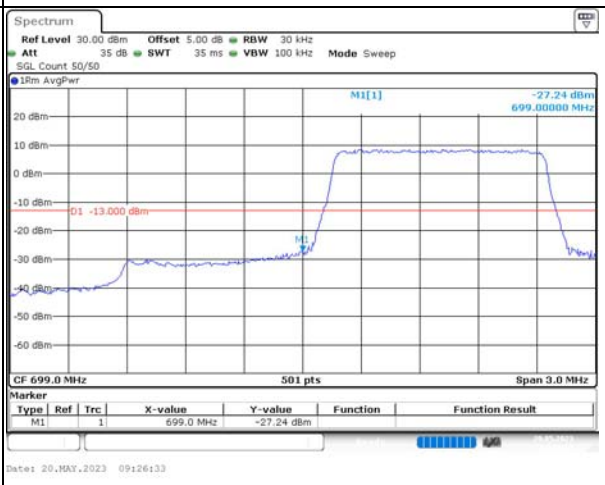
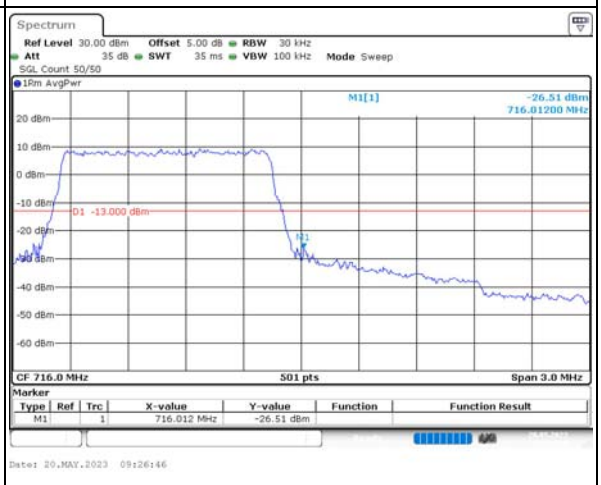
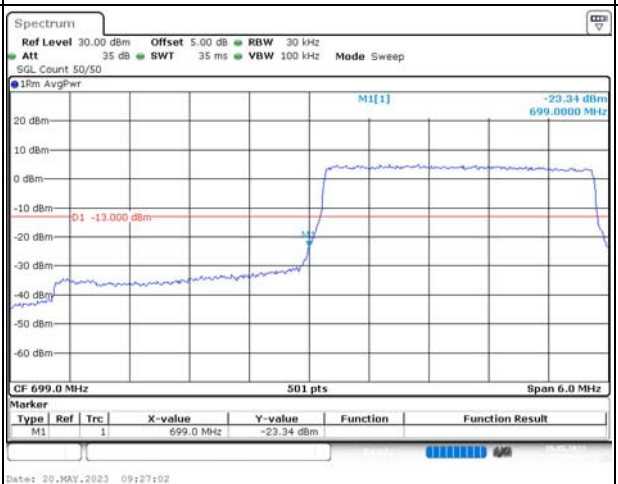
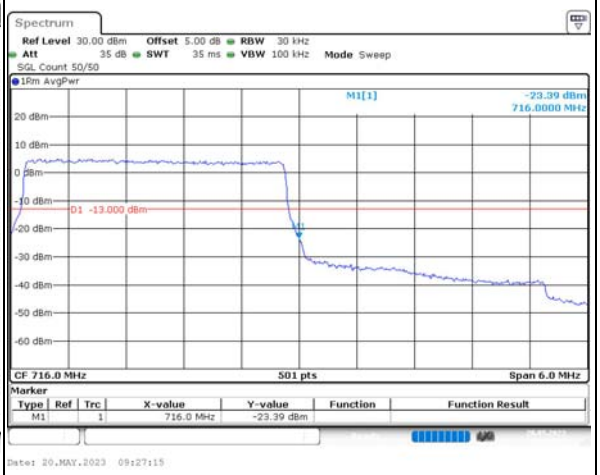
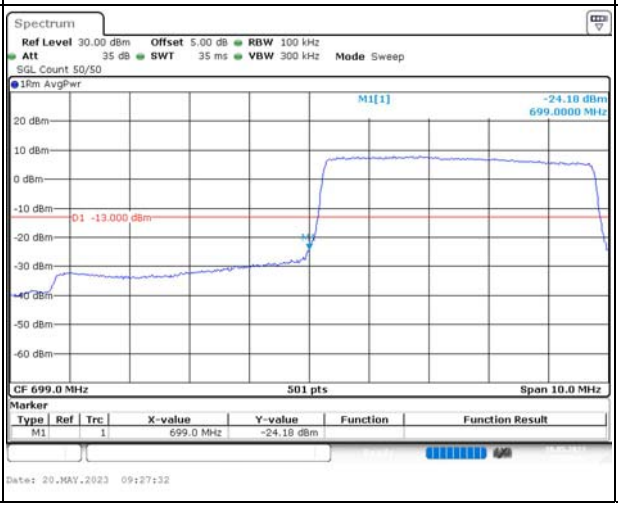
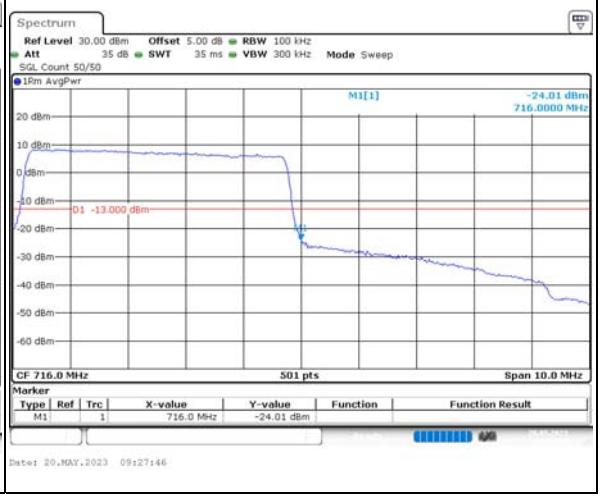
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

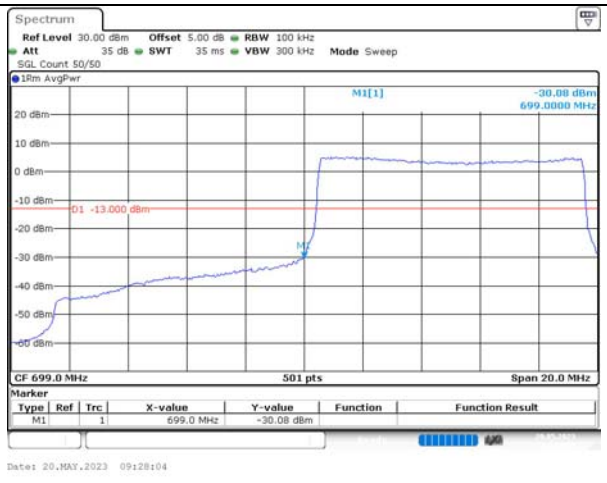
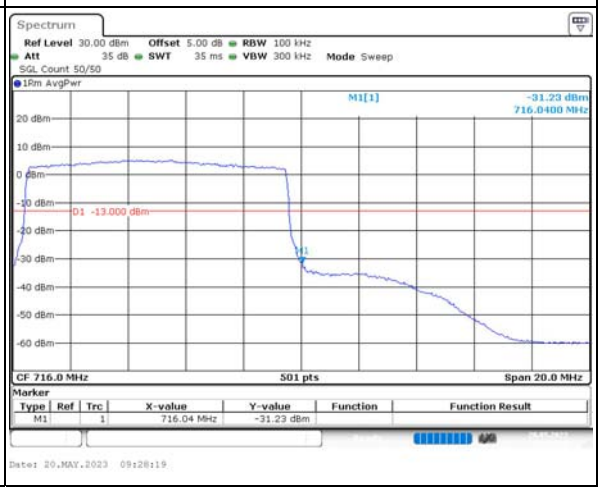
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

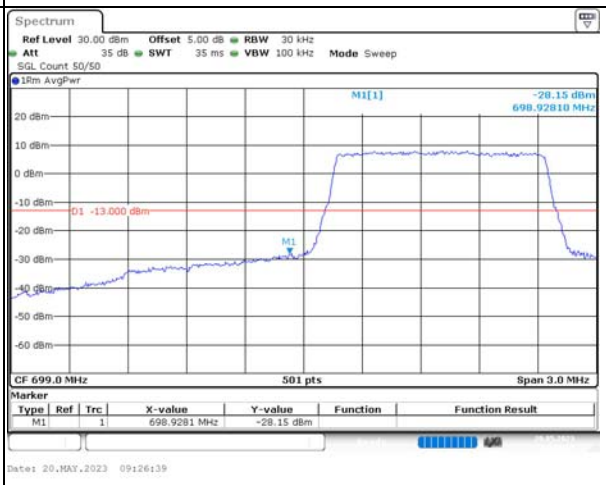
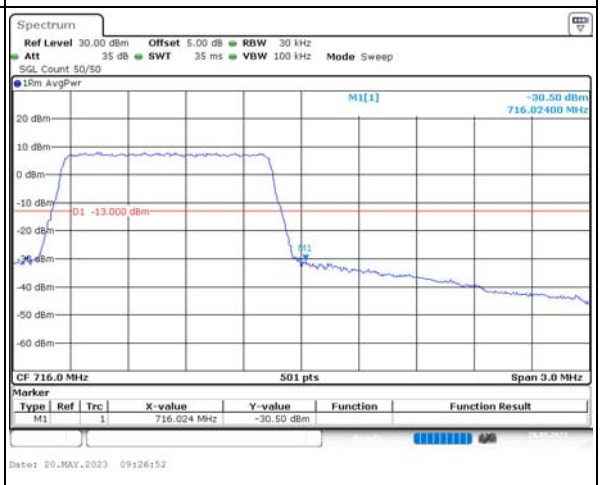
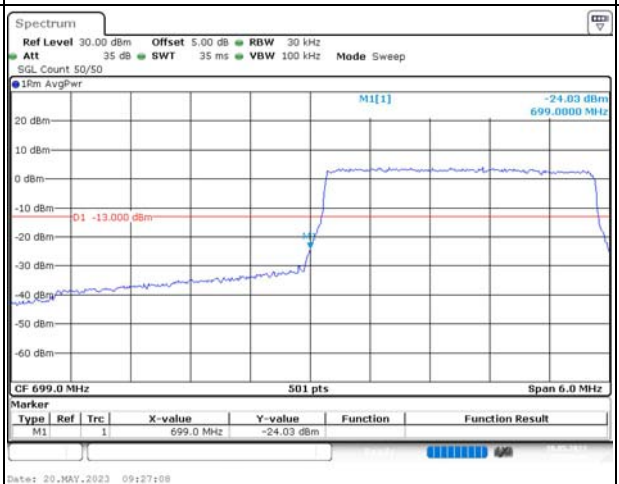
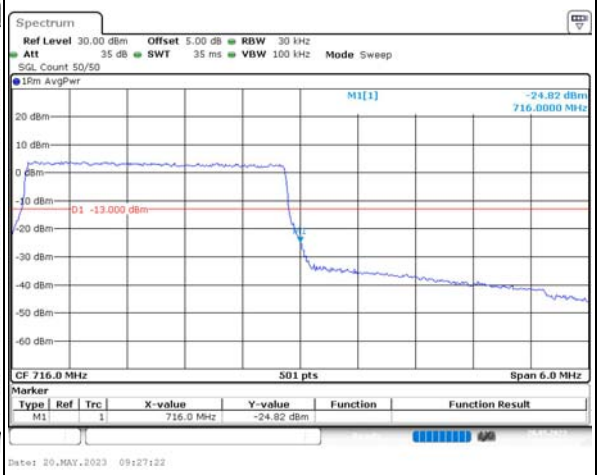
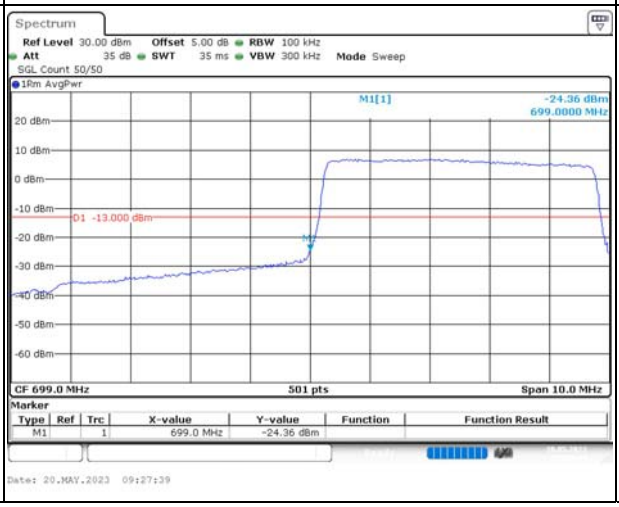
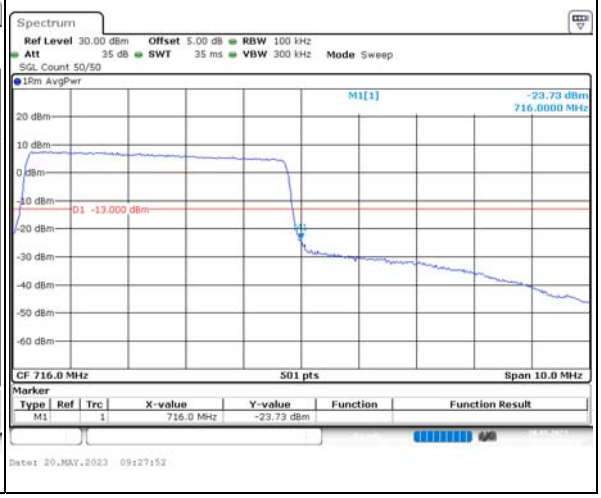
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

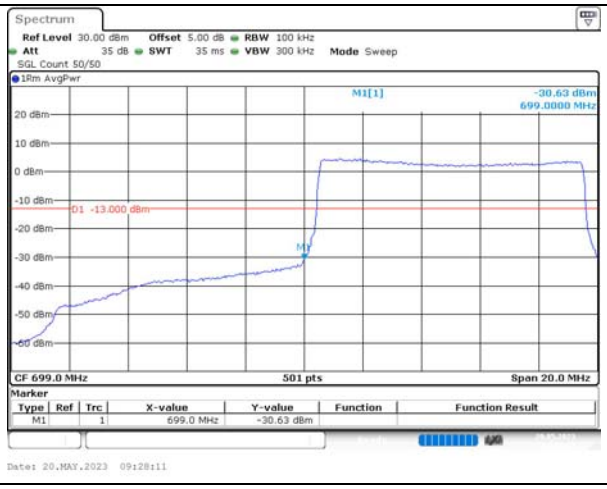
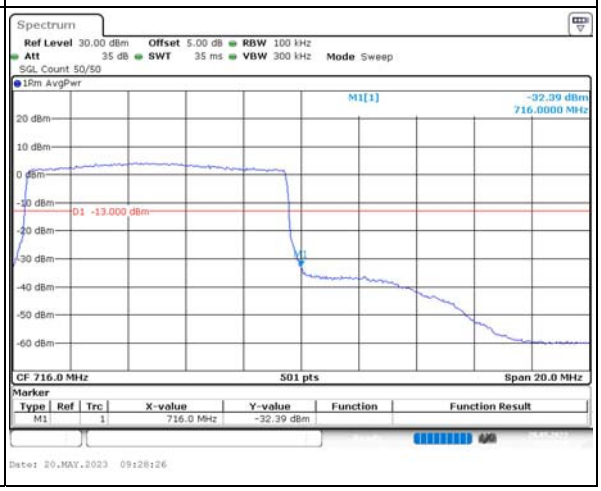
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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

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

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

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

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

4.11 Antenna Port Test Data and Results for LTE Band 17

Serial Number:	25TU-1	Test Date:	2023/05/20~2023/06/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	22.3~26.8	Relative Humidity: (%)	39~59	ATM Pressure: (kPa)	100.1~102.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/07/15	2023/07/14
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	2022/07/15	2023/07/14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022/09/29	2023/09/28
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	706.5	710	713.5
10MHz	709	710	711

Test Data:

FCC§2.1046;§ 27.50(c) (10)

RF Output Power:

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	24.21	24.08	24.19	19.96	34.77
	RB1#13	24.12	24.04	24.16		
	RB1#24	24.16	24.15	23.97		
	RB15#0	23.33	23.24	23.26		
	RB15#10	23.26	23.15	23.26		
	RB25#0	23.17	23.28	23.27		
5MHz 16QAM	RB1#0	23.15	22.58	22.37	18.92	34.77
	RB1#13	23.17	22.7	22.38		
	RB1#24	23.14	22.81	22.43		
	RB15#0	22.07	22.37	22.28		
	RB15#10	22.17	22.26	22.33		
	RB25#0	22.22	22.06	22.42		
10MHz QPSK	RB1#0	24.22	24.17	24.07	20.03	34.77
	RB1#25	24.18	24.21	23.99		
	RB1#49	24.25	24.28	24.17		
	RB25#0	23.15	23.08	23.06		
	RB25#25	23.33	23.24	23.26		
	RB50#0	23.01	23.20	23.14		
10MHz 16QAM	RB1#0	23.28	22.61	23.18	19.16	34.77
	RB1#25	23.20	22.65	23.26		
	RB1#49	23.34	22.76	23.41		
	RB25#0	22.25	22.35	22.18		
	RB25#25	22.45	22.44	22.39		
	RB50#0	22.26	22.27	22.30		

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 Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	4.7	5.22	5.36	13
	RB50#0	4.72	4.64	4.61	13
10MHz 16QAM	RB1#0	5.57	6.29	6.41	13
	RB50#0	5.8	5.62	5.68	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	4.531	4.511	4.551	5.24	5.26	5.36
5MHz 16QAM	4.551	4.531	4.551	5.60	5.28	5.34
10MHz QPSK	8.902	8.942	8.942	9.72	9.72	9.72
10MHz 16QAM	8.942	8.942	8.942	9.84	9.72	9.76
Note: The test plots please refer to the Plots of Occupied Bandwidth						

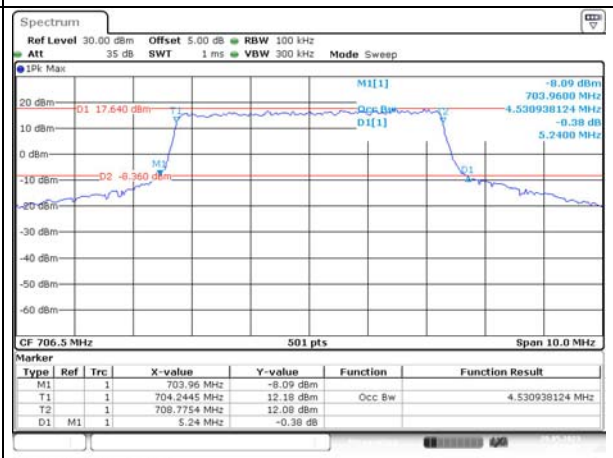
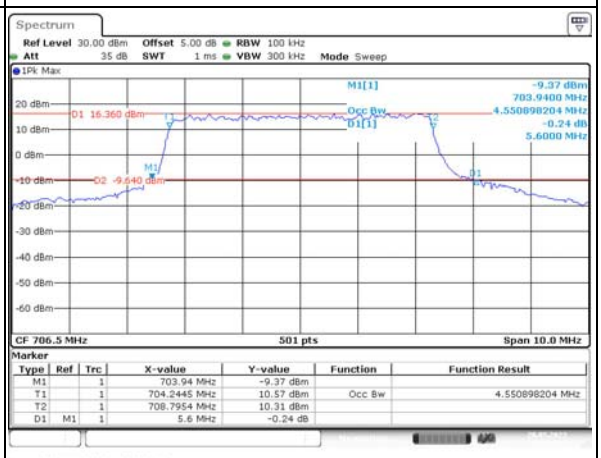
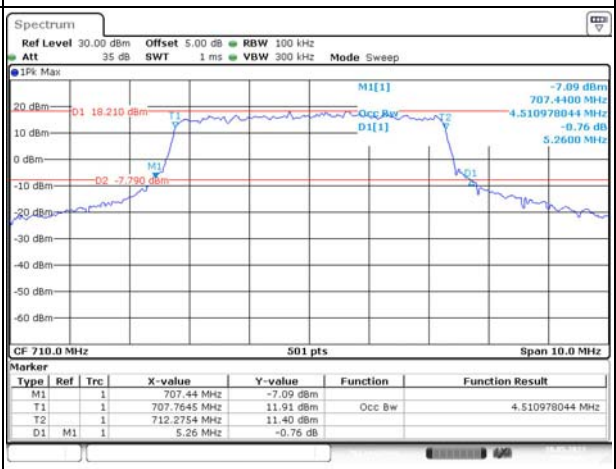
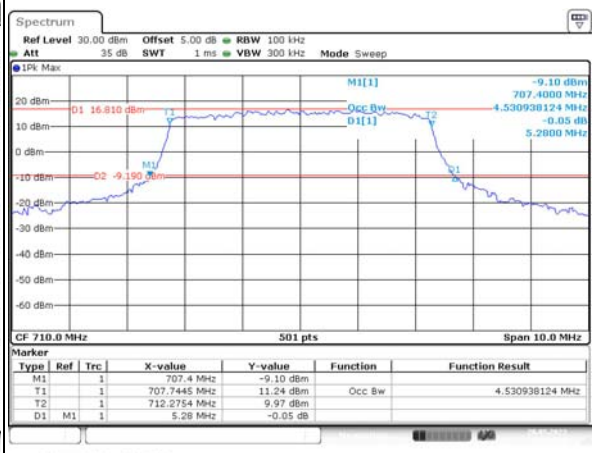
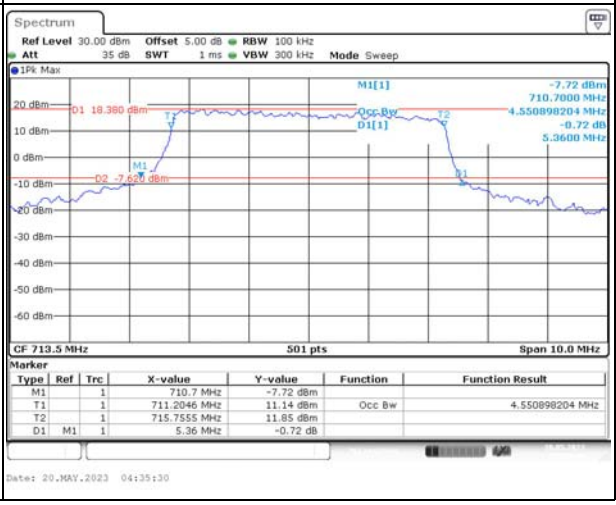
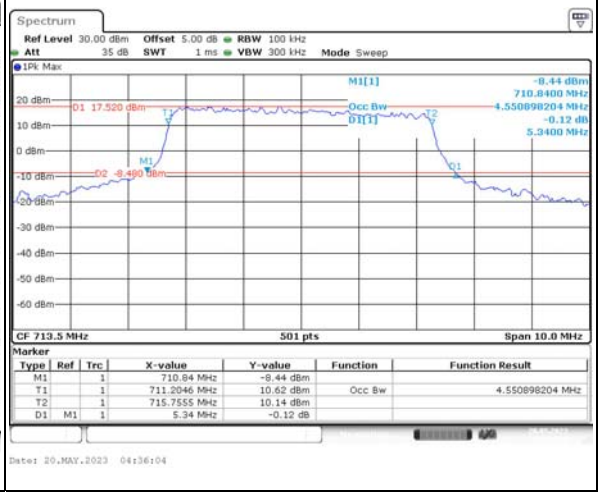
FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

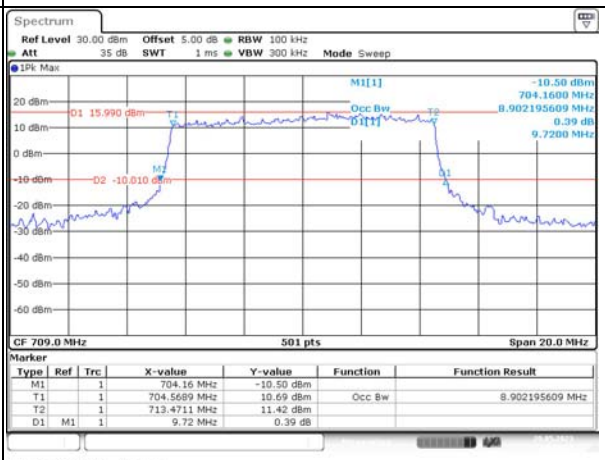
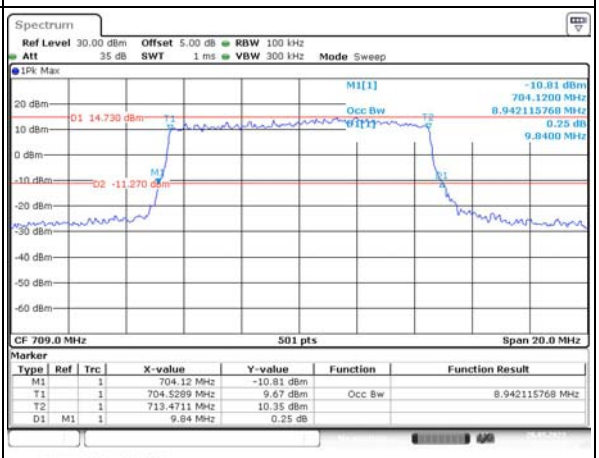
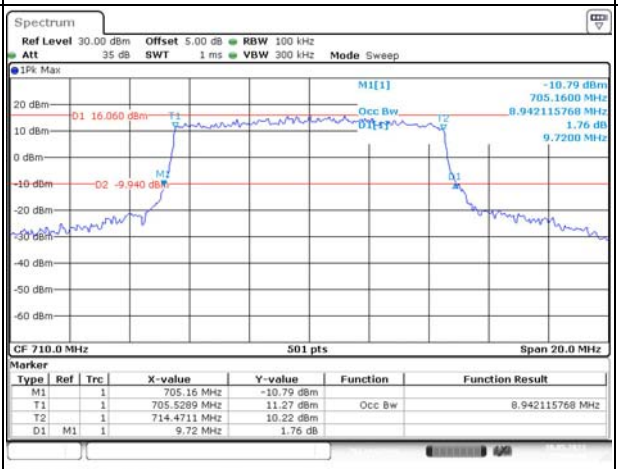
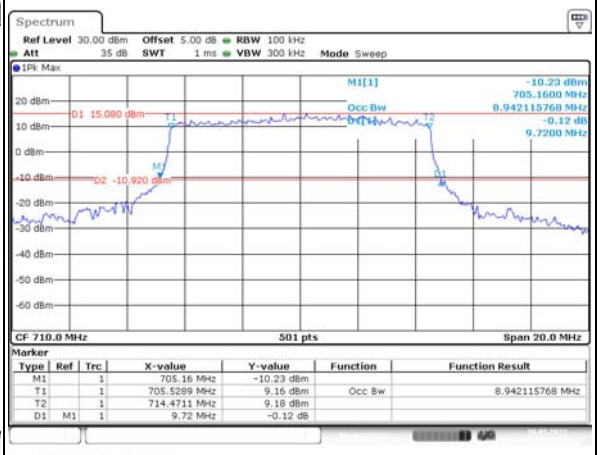
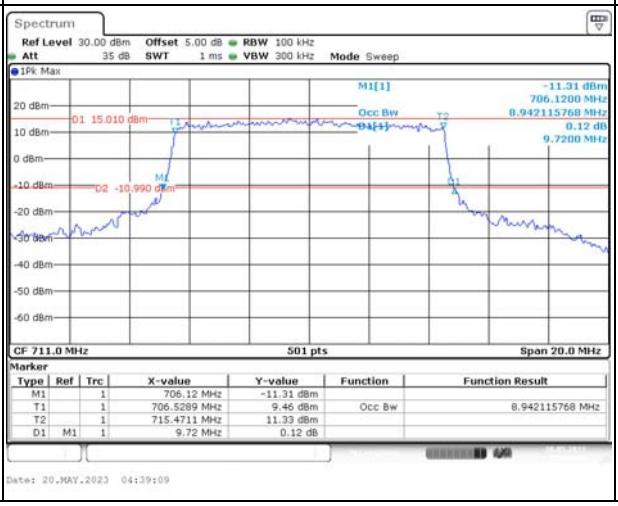
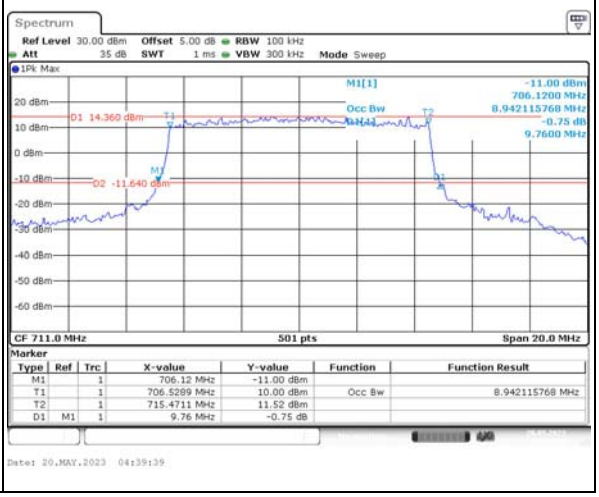
FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

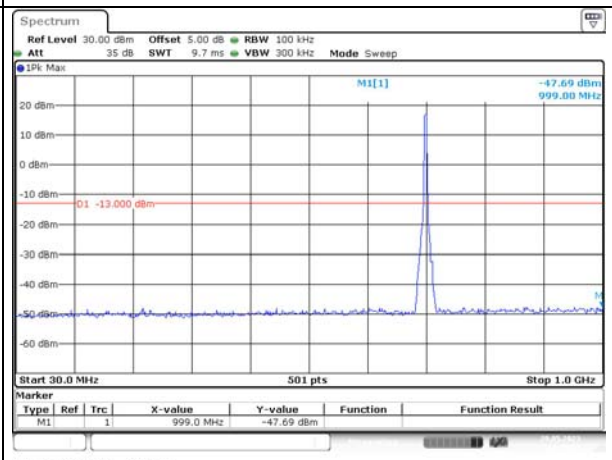
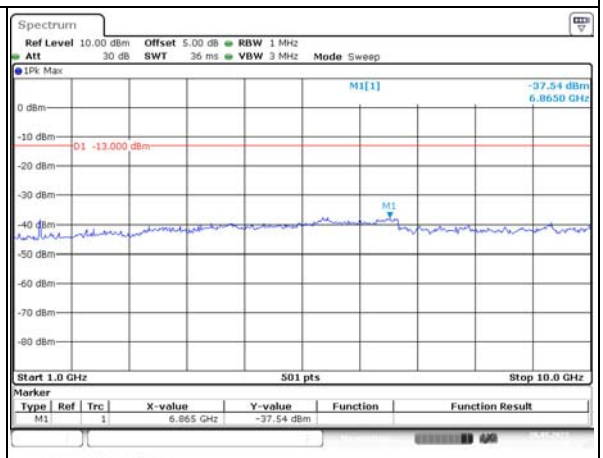
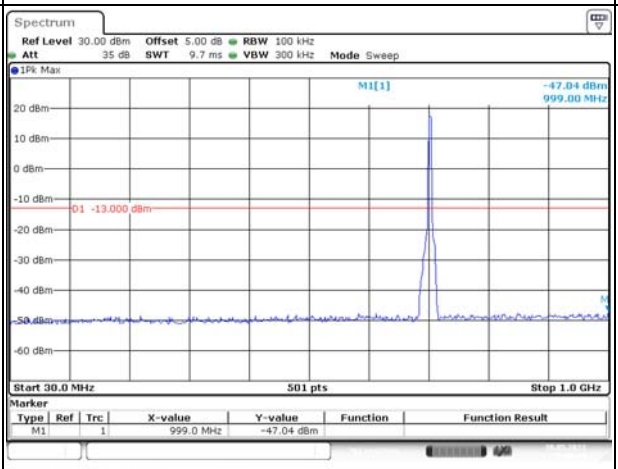
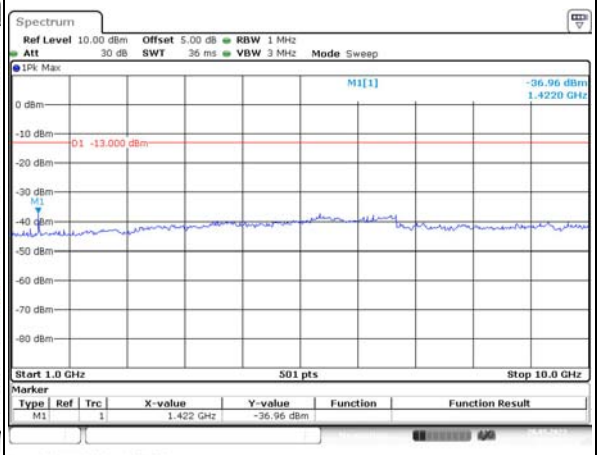
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	704.520	704.00	715.427	716.00
	-20	3.85	704.554	704.00	715.479	716.00
	-10	3.85	704.544	704.00	715.416	716.00
	0	3.85	704.550	704.00	715.409	716.00
	10	3.85	704.539	704.00	715.485	716.00
	20	3.85	704.569	704.00	715.471	716.00
	30	3.85	704.592	704.00	715.453	716.00
	40	3.85	704.515	704.00	715.464	716.00
	50	3.85	704.560	704.00	715.447	716.00
Frequency Stability vs. Voltage	20	3.5	704.593	704.00	715.475	716.00
	20	4.4	704.599	704.00	715.439	716.00
					Result:	**Pass**

Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	704.563	704.00	715.404	716.00
	-20	3.85	704.558	704.00	715.422	716.00
	-10	3.85	704.530	704.00	715.483	716.00
	0	3.85	704.566	704.00	715.459	716.00
	10	3.85	704.559	704.00	715.440	716.00
	20	3.85	704.529	704.00	715.471	716.00
	30	3.85	704.569	704.00	715.429	716.00
	40	3.85	704.553	704.00	715.500	716.00
	50	3.85	704.550	704.00	715.457	716.00
Frequency Stability vs. Voltage	20	3.5	704.586	704.00	715.405	716.00
	20	4.4	704.587	704.00	715.423	716.00
					Result:	**Pass**

Test Plots(Note: The 5.0dB 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		

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