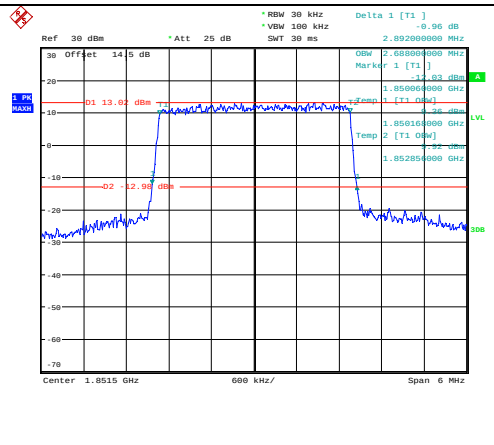
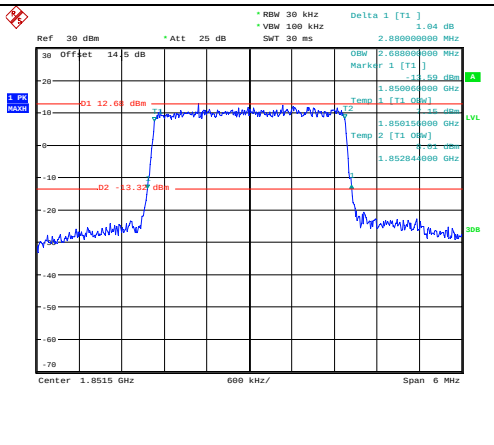
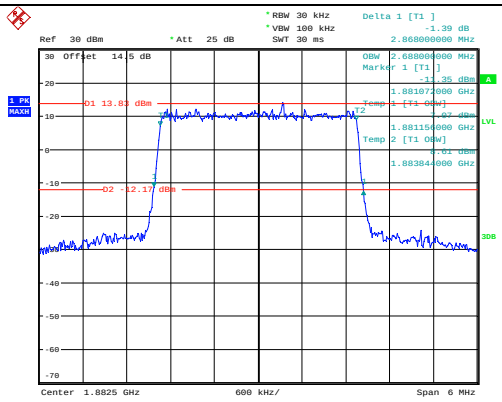
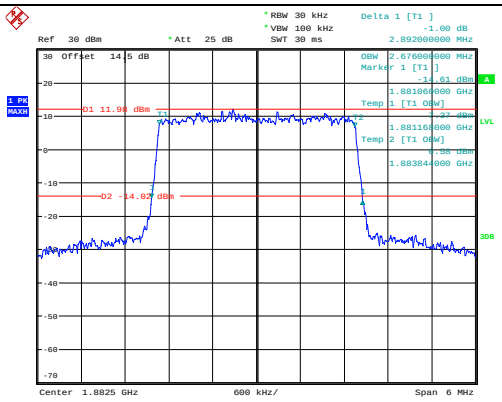
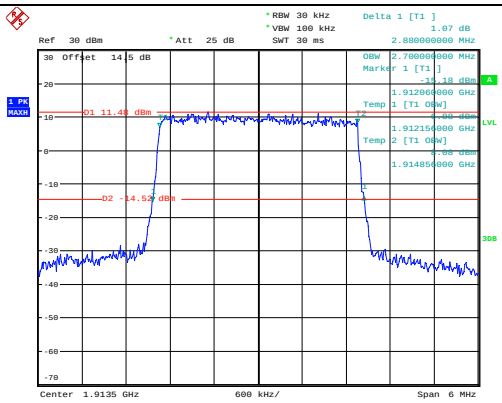
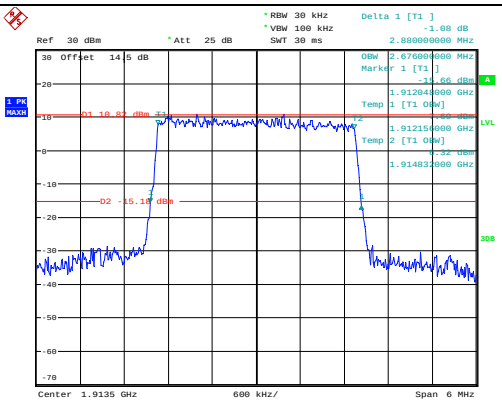
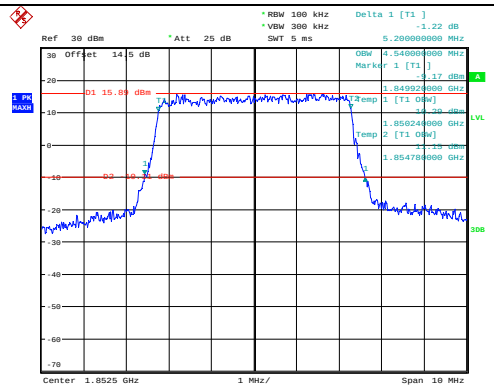
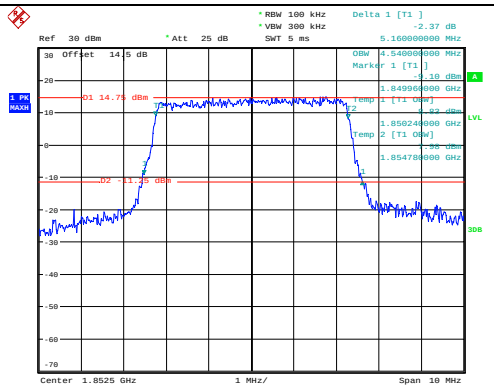
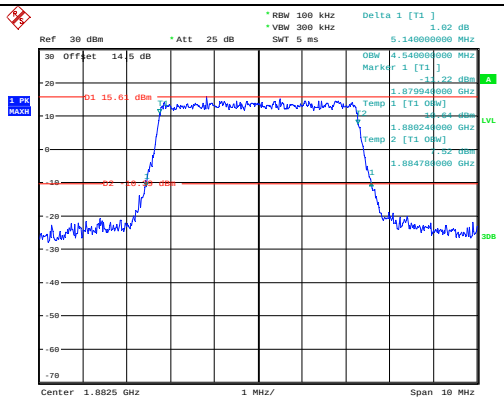
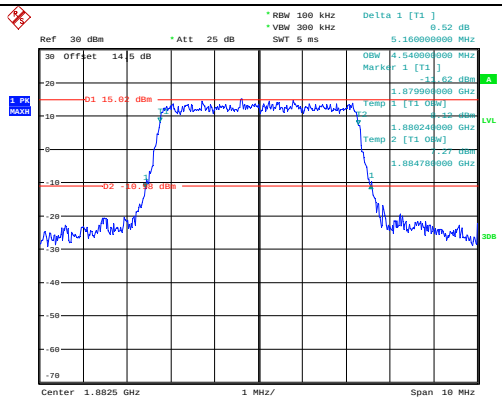
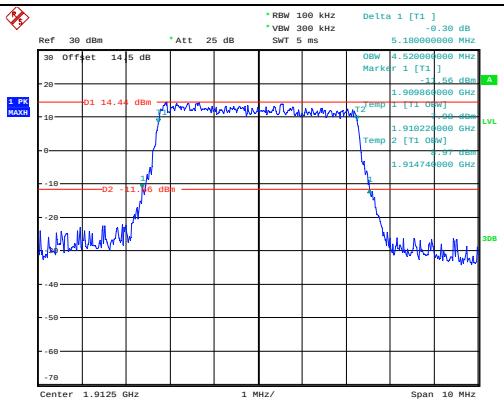
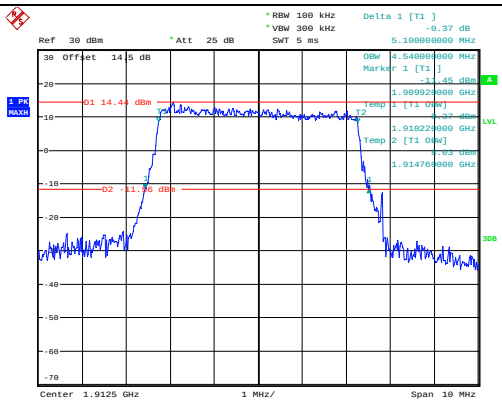
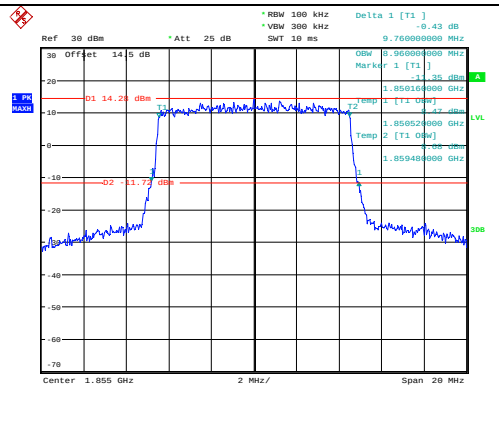
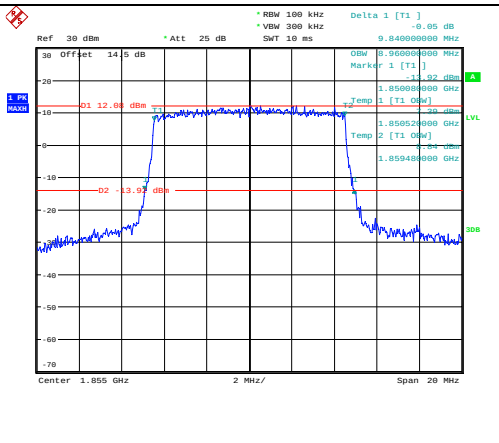
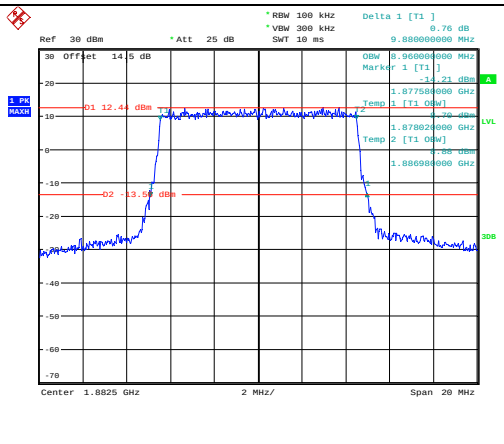
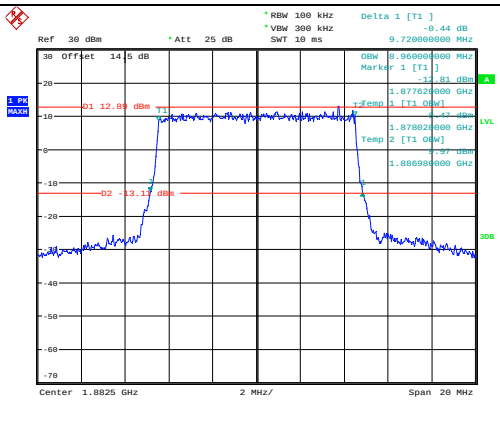
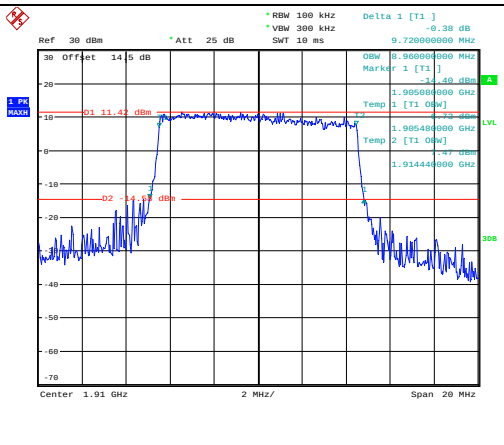
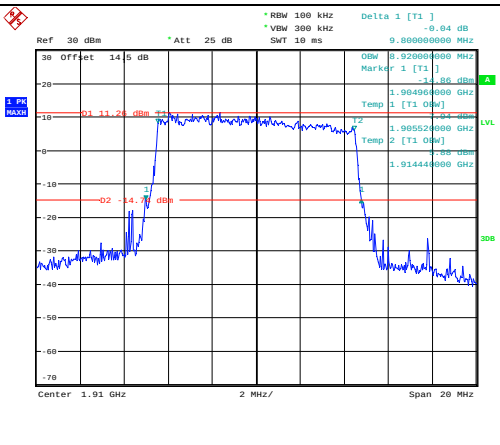
Occupied Bandwidth

Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:26:26	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:26:42
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:27:03	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:27:24
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:27:44	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:28:04

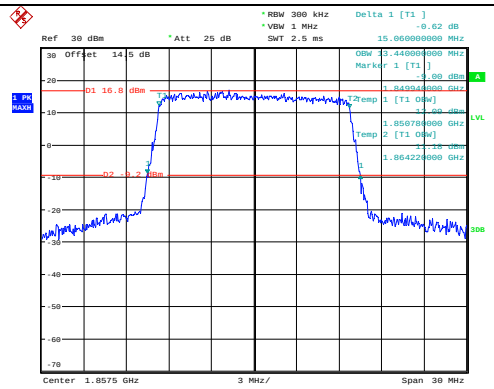
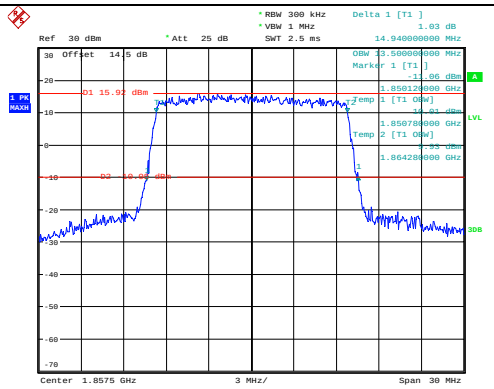
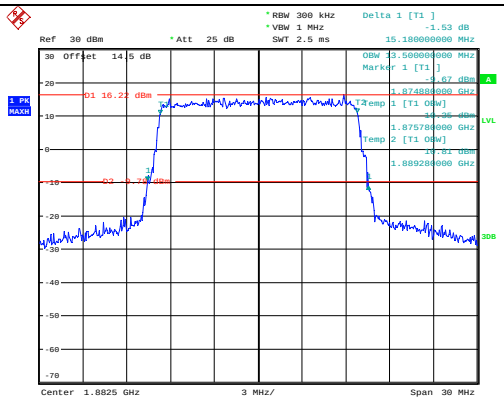
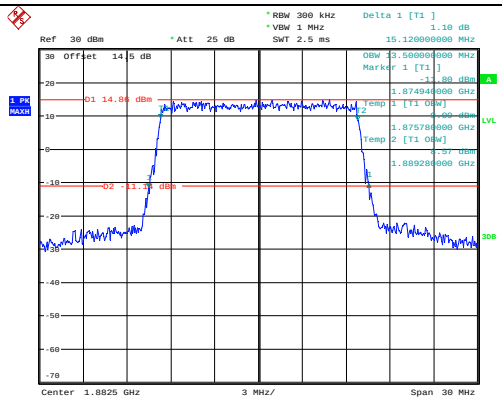
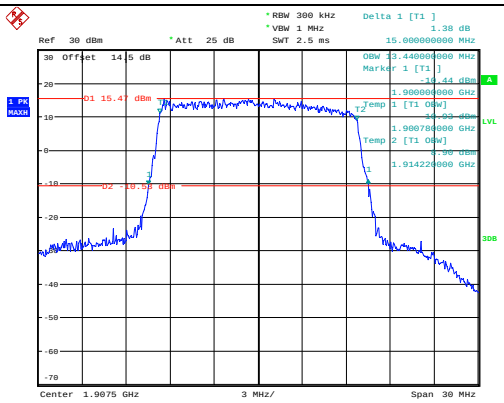
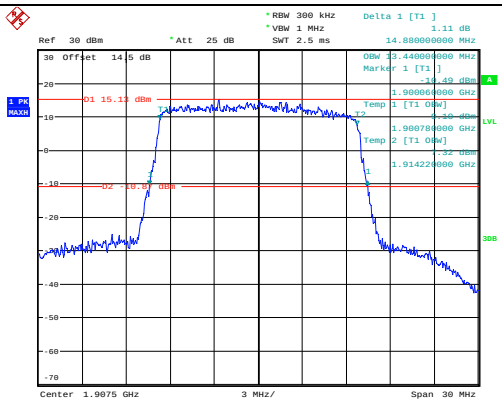
Occupied Bandwidth

Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:29:07	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:29:30
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:29:51	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:30:15
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:30:42	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:31:08

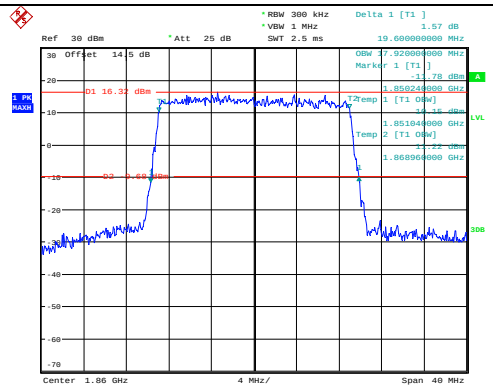
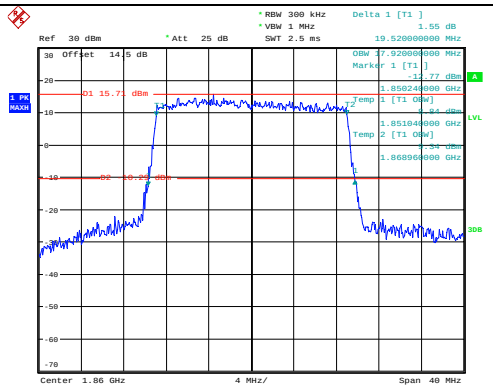
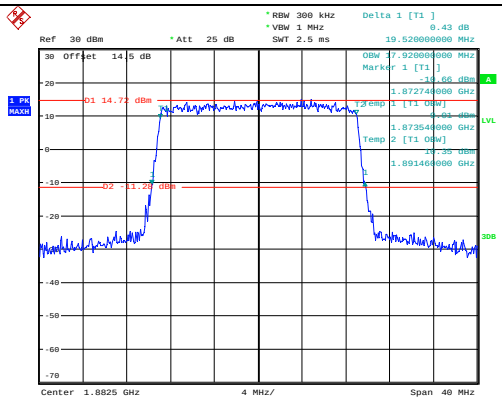
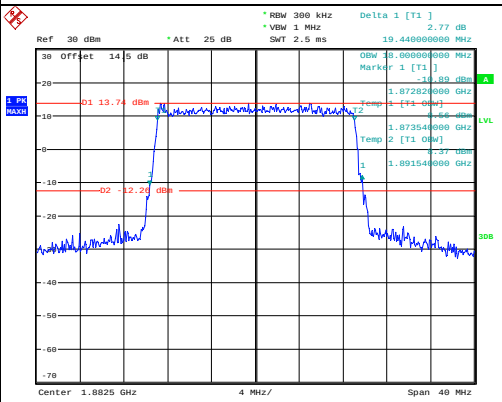
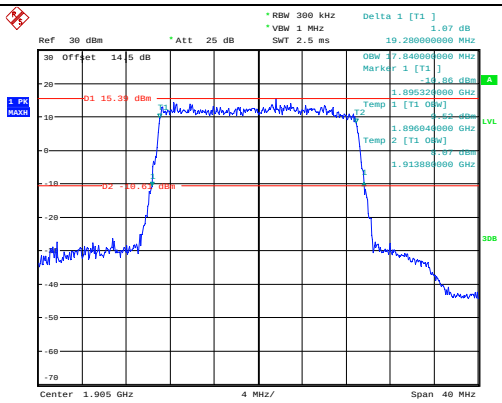
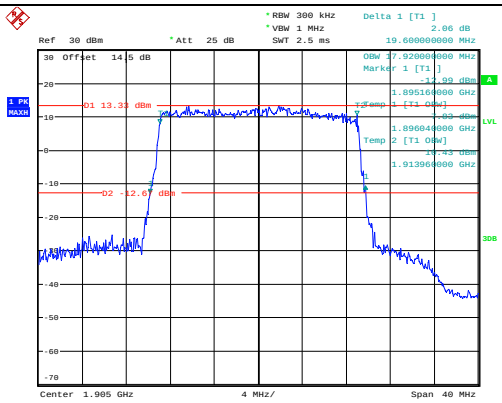
Occupied Bandwidth

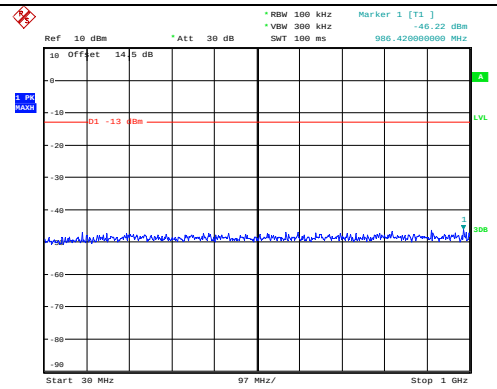
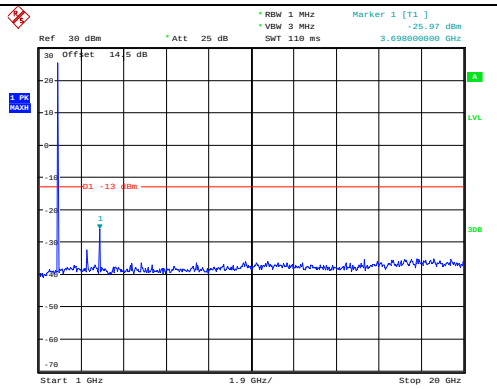
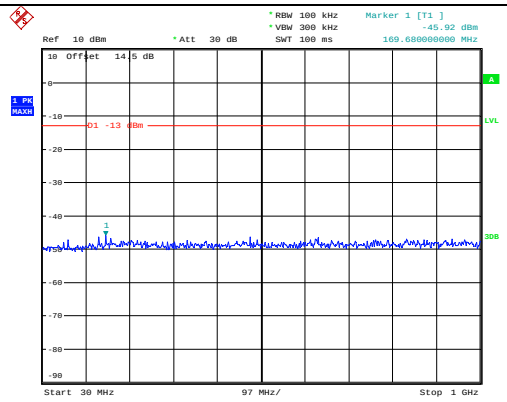
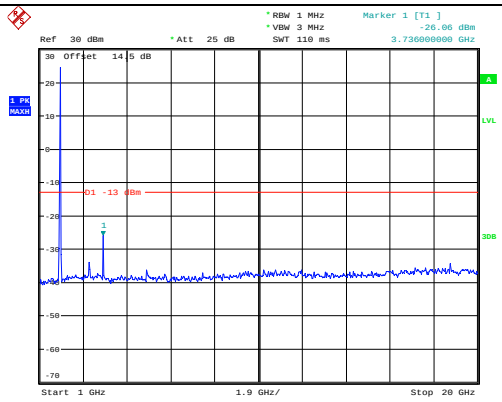
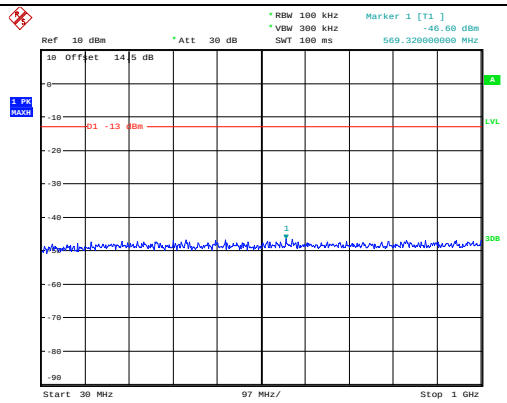
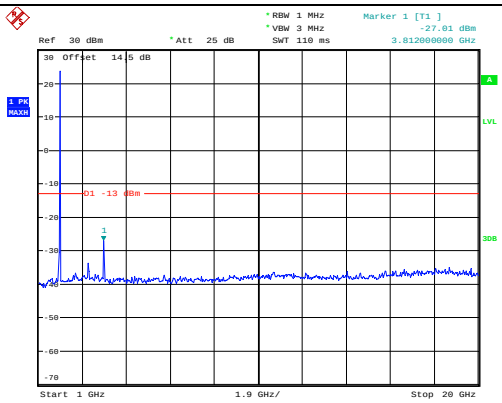
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

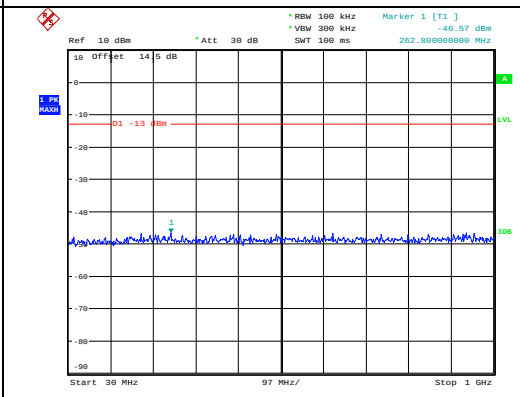
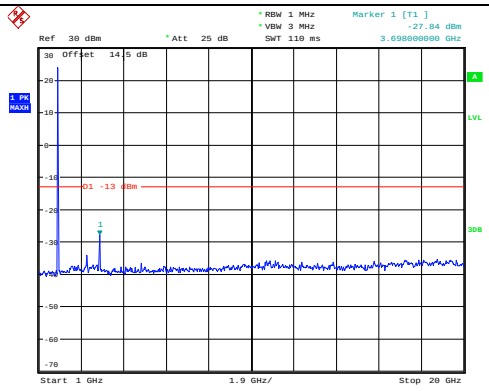
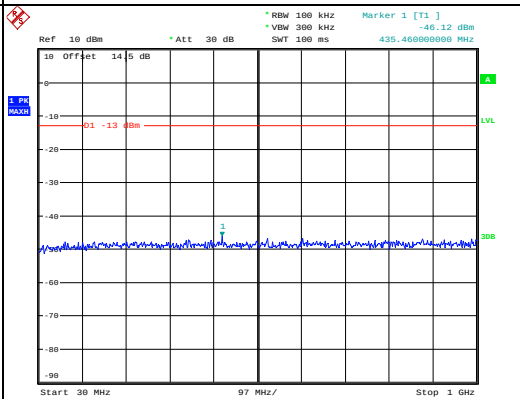
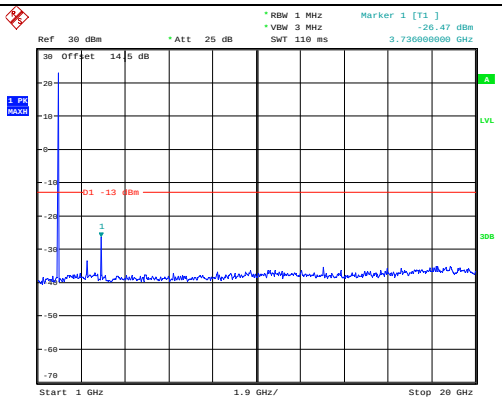
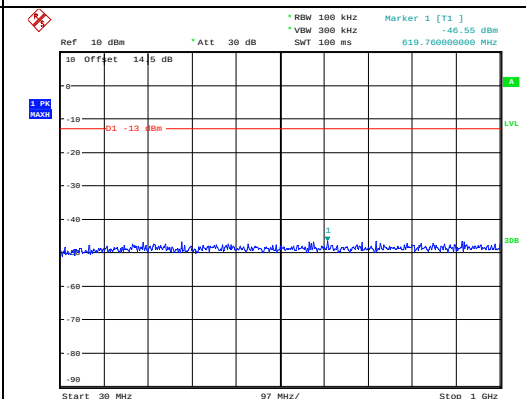
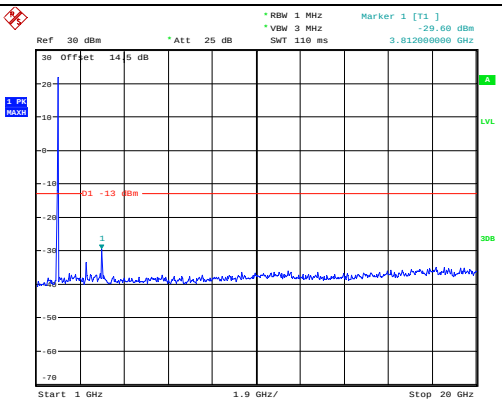
Occupied Bandwidth

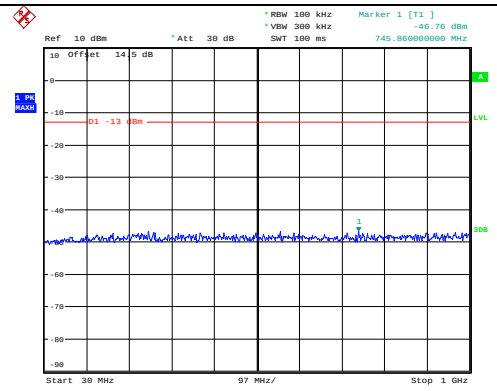
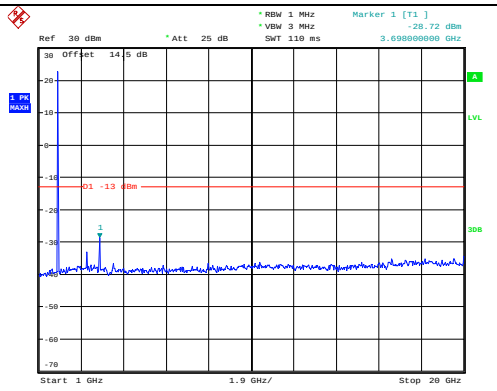
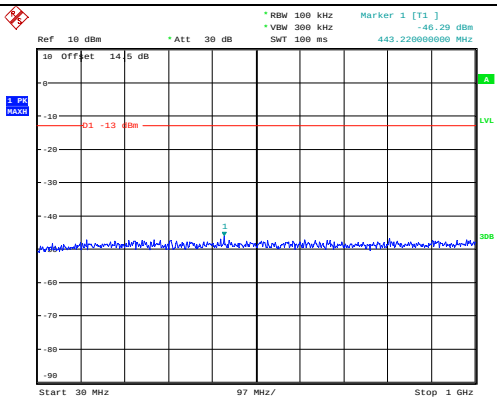
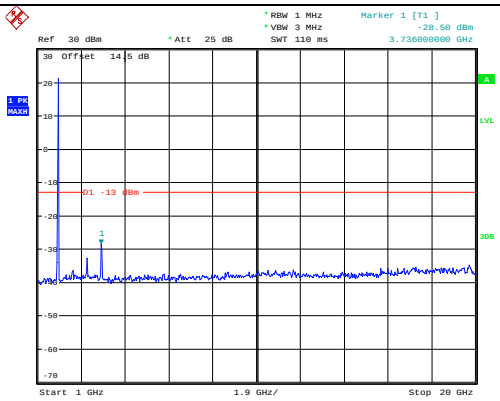
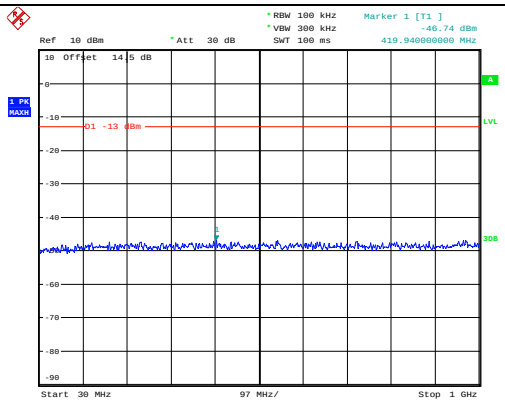
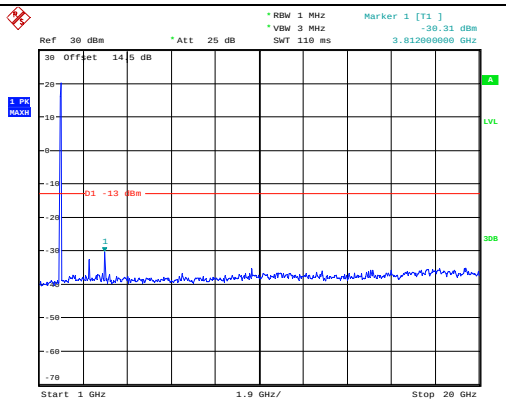
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:35:03	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:35:26
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:35:47	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:36:07
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:36:31	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:36:54

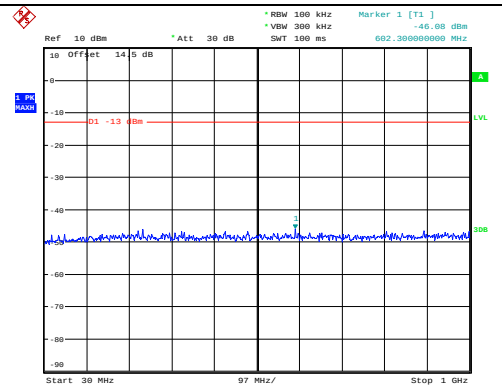
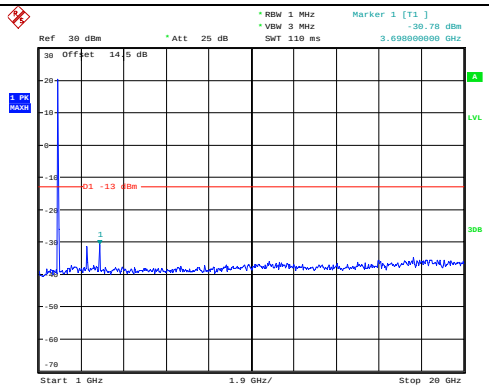
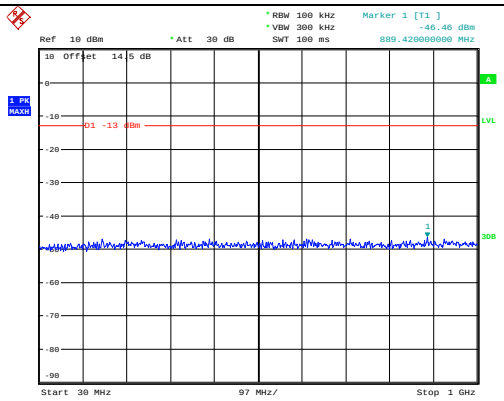
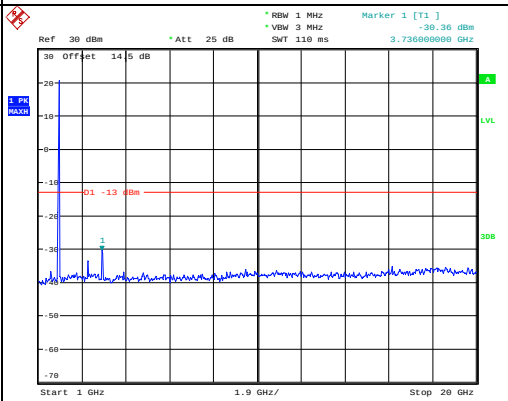
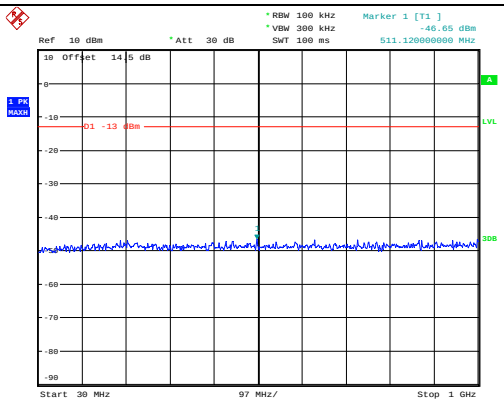
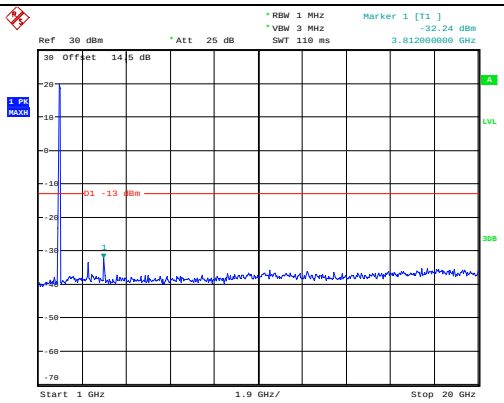
Occupied Bandwidth

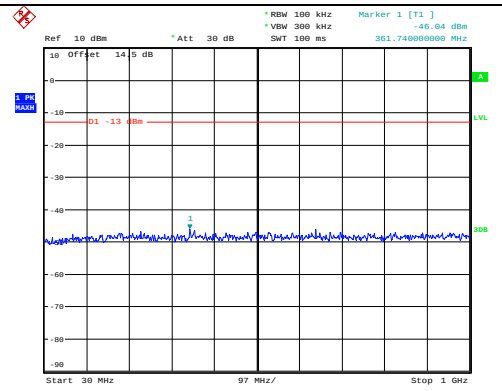
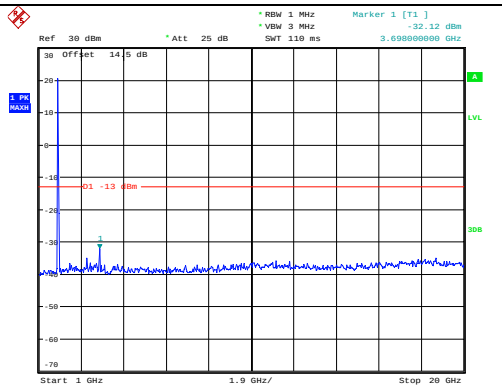
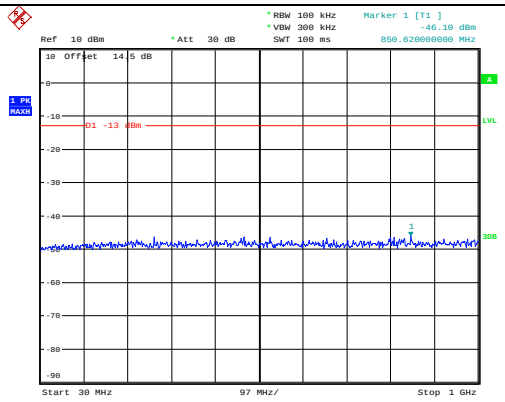
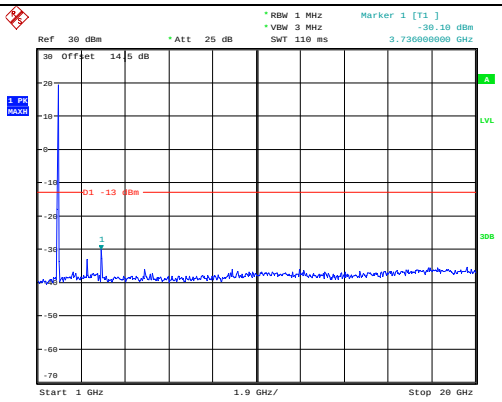
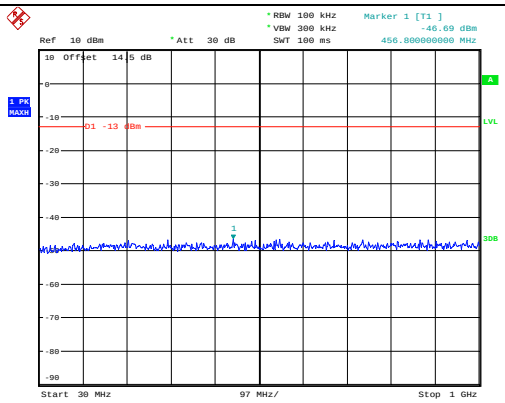
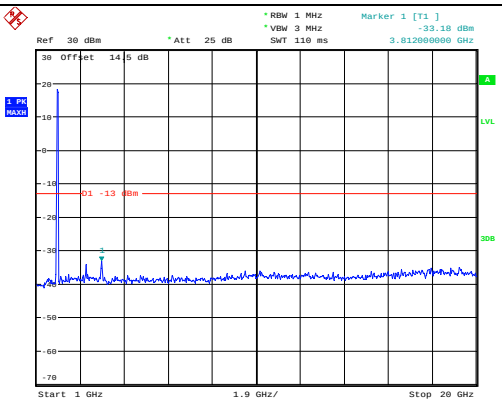
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:38:19	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:38:39
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:38:59	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:39:20
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:39:40	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:40:04

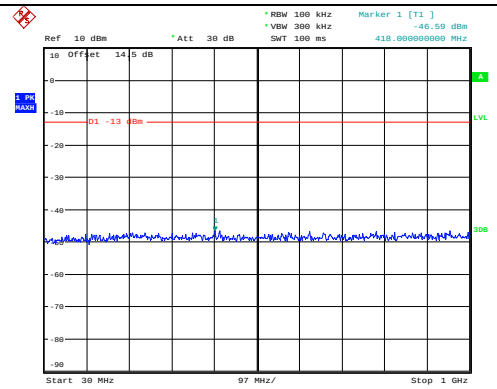
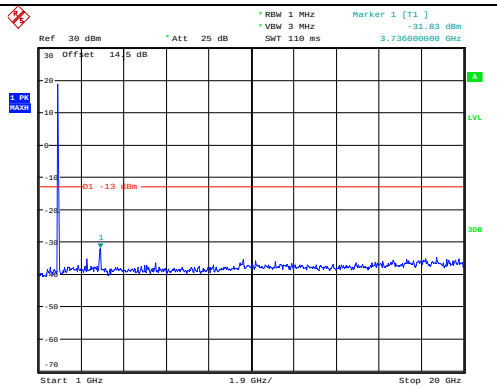
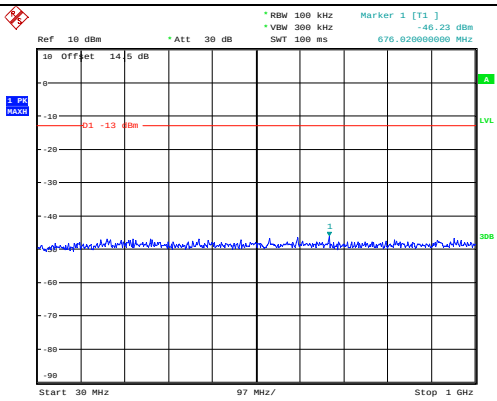
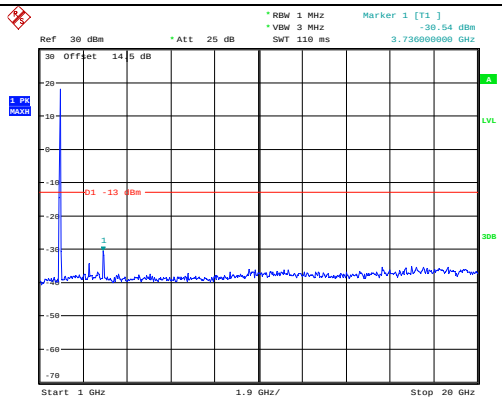
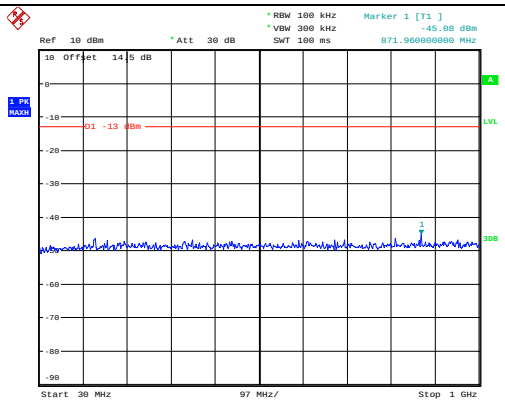
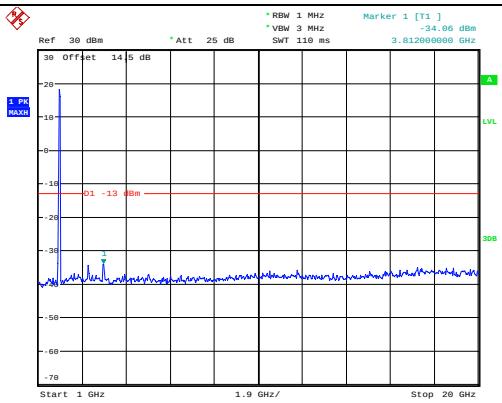
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:46:25	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:46:36
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:46:48	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:46:59
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:47:15	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:47:25

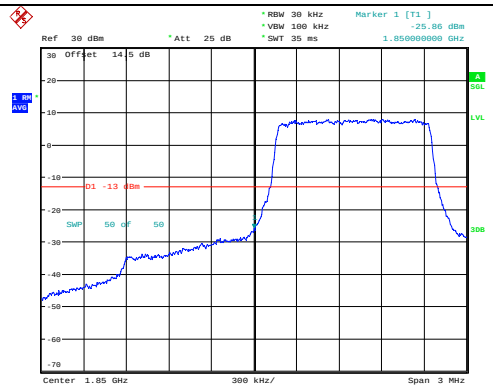
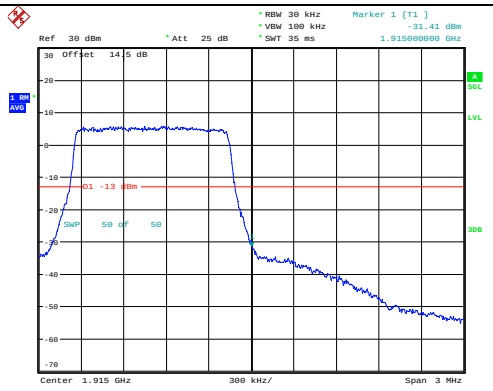
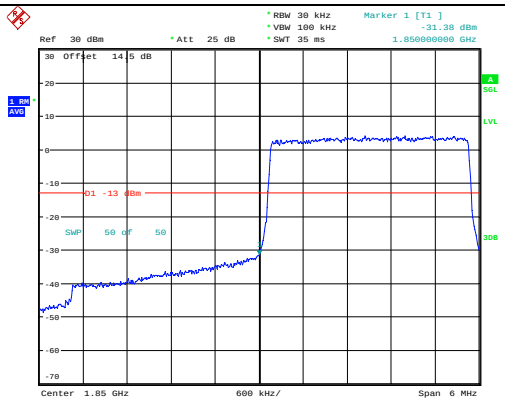
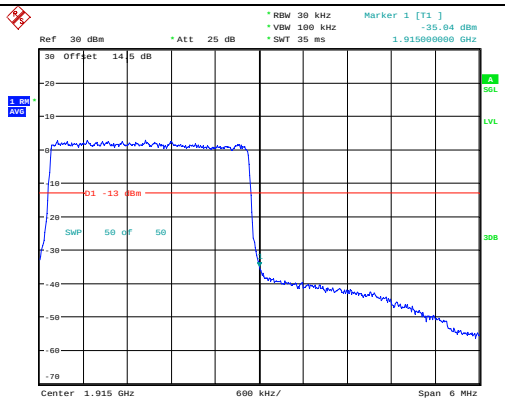
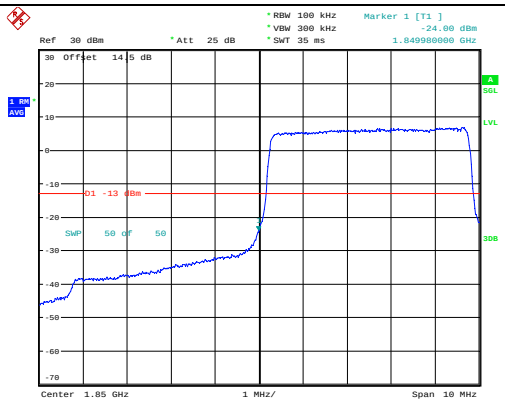
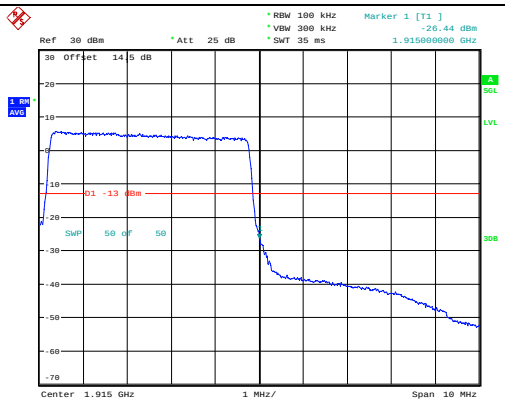
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:48:16	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:48:27
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:48:39	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:48:50
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:49:02	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:49:13

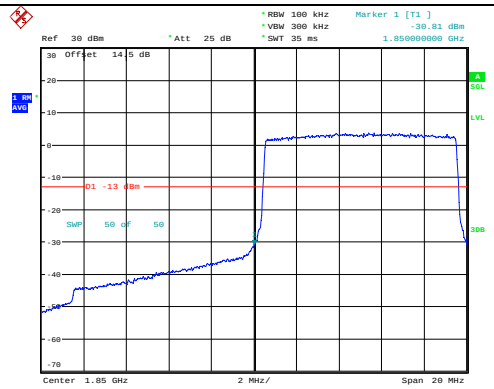
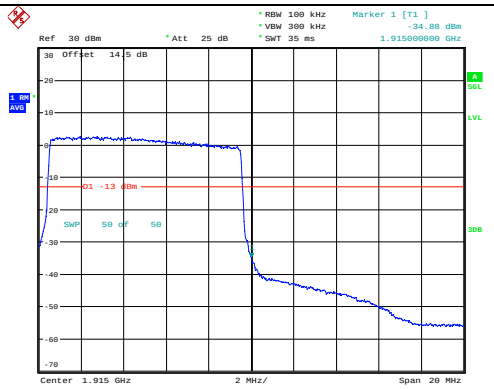
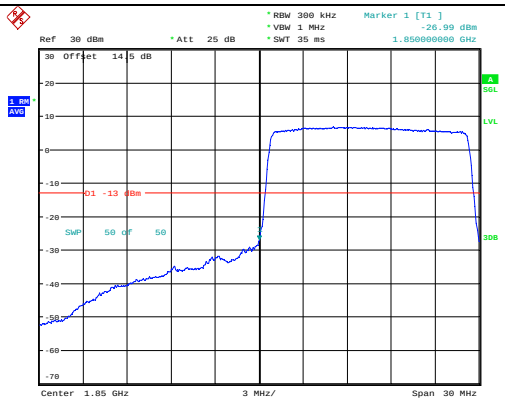
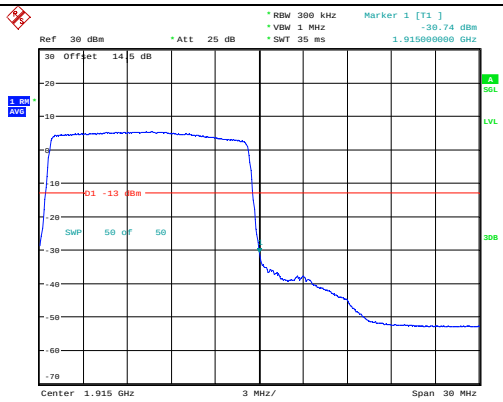
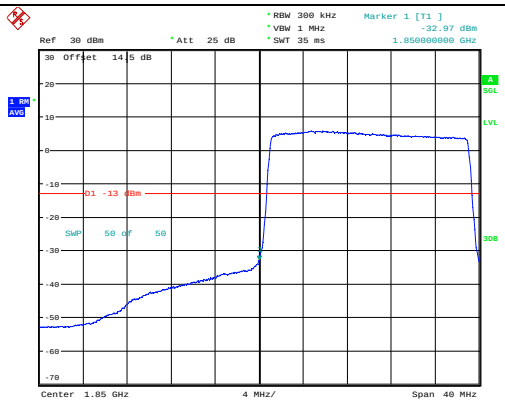
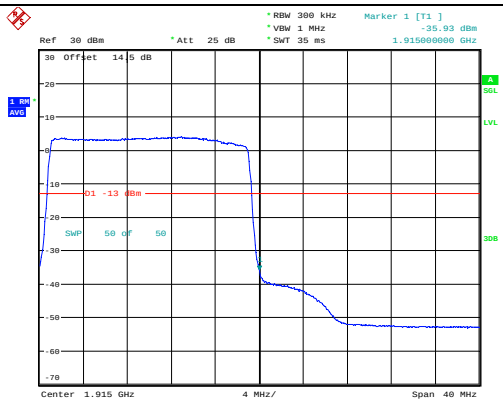
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:50:04	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:50:15
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:50:28	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:50:38
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:50:51	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:51:01

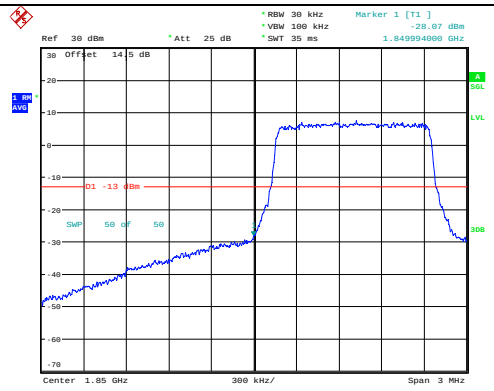
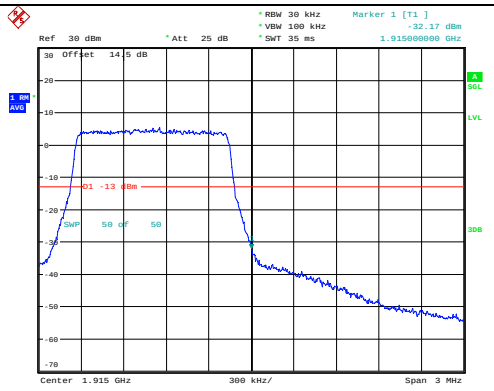
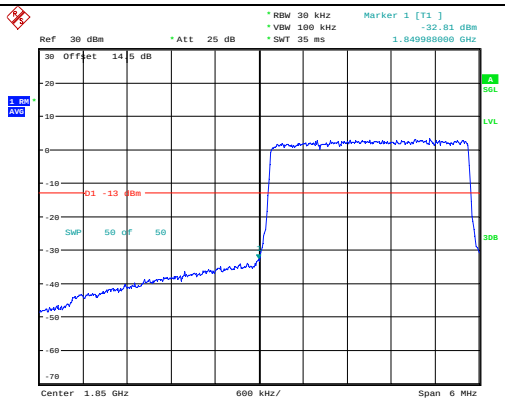
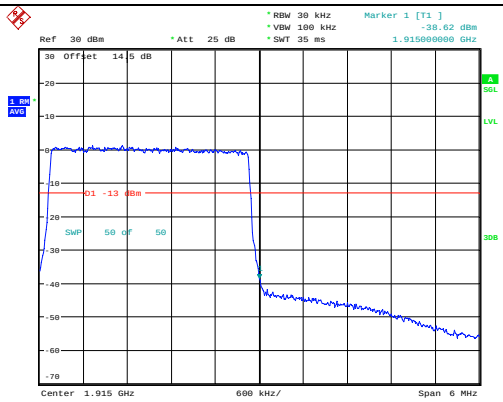
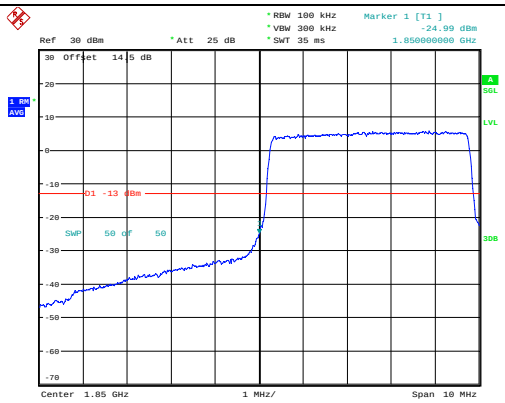
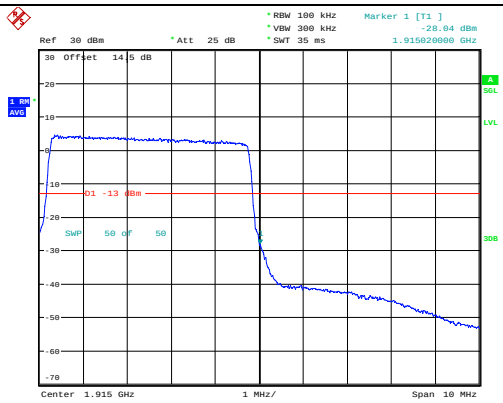
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:51:56	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:52:06
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:52:19	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:52:29
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:52:42	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:52:52

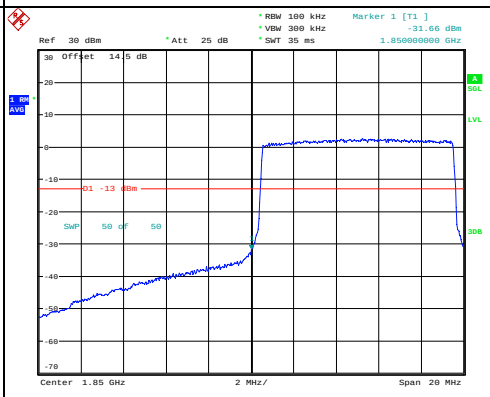
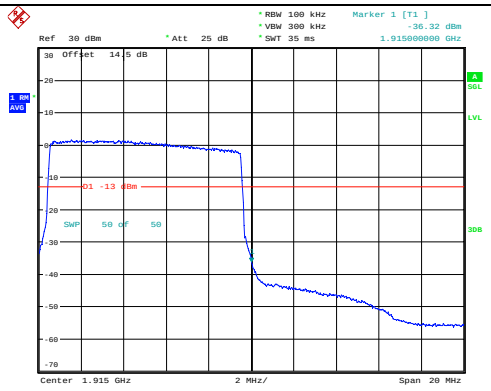
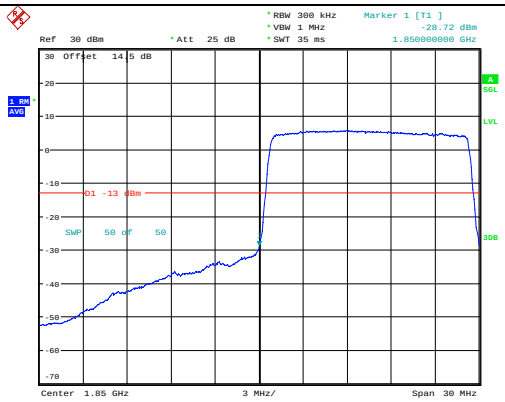
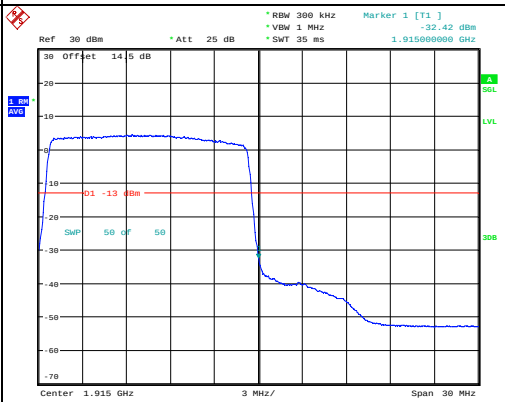
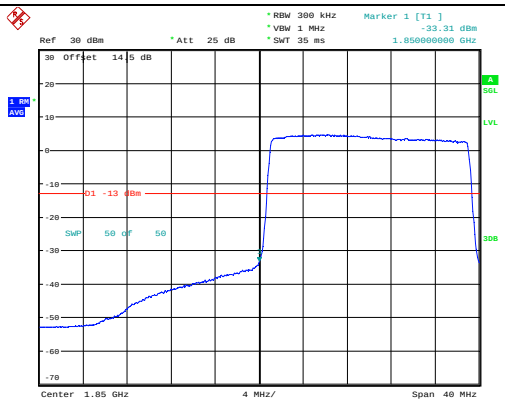
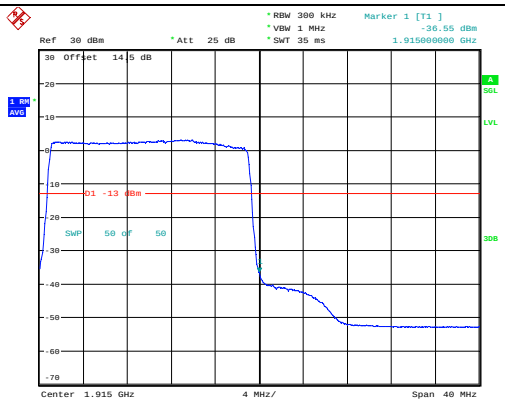
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:53:55	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:54:05
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:54:21	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:54:31
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:54:44	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:54:54

Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:56:14	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:56:25
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:56:37	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:56:48
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:57:04	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:57:14

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	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:33:45	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:34:10
QPSK 15MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:35:19	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:35:38
QPSK 20MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:36:44	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:37:03

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:29:49	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:30:11
16QAM 3MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:31:10	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:31:33
16QAM 5MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:32:32	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:32:55

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 10MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:33:57	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:34:22
16QAM 15MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:35:28	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:35:47
16QAM 20MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:36:54	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:37:12

4.13 Antenna Port Test Data and Results for LTE Band 26

Serial Number:	2B7S-2	Test Date:	2023/10/17~2023/10/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su/Claire Liu	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	25.2~26.3	Relative Humidity: (%)	52~60	ATM Pressure: (kPa)	100.9~101.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	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	2023/9/28	2024/9/27
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 For 90S (MHz)	Highest Frequency For 90S (MHz)	Channel Cross 90S and 22H	Lowest Frequency For 22H (MHz)	Middle Frequency For 22H (MHz)	Highest Frequency For 22H (MHz)
1.4MHz	814.7	823.3	824	824.7	831.5	848.3
3MHz	815.5	822.5	824	825.5	831.5	847.5
5MHz	816.5	821.5	824	826.5	831.5	846.5
10MHz	819	/	824	829	831.5	844
15MHz	821.5	/	824	831.5	836.5	841.5

Test Data for Part 90S:

RF Output Power:

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel For 90S	Highest Channel For 90S	Cross Channel		
1.4MHz QPSK	RB1#0	21.64	21.44	21.48	19.24	50
	RB1#3	21.53	21.45	21.6		
	RB1#5	21.32	21.4	21.71		
	RB3#0	21.66	21.82	21.53		
	RB3#3	21.72	21.81	21.46		
	RB6#0	20.41	20.44	20.39		
1.4MHz 16QAM	RB1#0	20.85	20.66	20.69	18.34	50
	RB1#3	20.79	20.87	20.81		
	RB1#5	20.92	20.72	20.77		
	RB3#0	20.39	20.6	20.64		
	RB3#3	20.5	20.56	20.56		
	RB6#0	19.42	19.48	19.46		
3MHz QPSK	RB1#0	21.52	21.8	21.79	19.22	50
	RB1#8	21.41	21.45	21.62		
	RB1#14	21.41	21.41	21.29		
	RB6#0	20.56	20.36	20.6		
	RB6#9	20.34	20.66	20.42		
	RB15#0	20.41	20.54	20.69		
3MHz 16QAM	RB1#0	20.54	20.65	21.03	18.71	50
	RB1#8	20.53	20.46	21.29		
	RB1#14	20.77	20.68	21.2		
	RB6#0	19.55	19.61	19.62		
	RB6#9	19.47	19.53	19.6		
	RB15#0	19.61	19.75	19.86		
5MHz QPSK	RB1#0	21.66	21.64	21.44	19.28	50
	RB1#13	21.86	21.48	21.66		
	RB1#24	21.46	21.3	21.28		
	RB15#0	20.73	20.56	20.47		
	RB15#10	20.83	20.6	20.44		
	RB25#0	20.6	20.5	20.72		
5MHz 16QAM	RB1#0	20.55	20.73	20.59	18.28	50
	RB1#13	20.29	20.79	20.86		
	RB1#24	20.53	20.66	20.78		
	RB15#0	19.82	19.56	19.84		
	RB15#10	19.5	19.55	19.71		
	RB25#0	19.65	19.55	19.82		
10MHz QPSK	RB1#0	21.31	/	21.53	19.25	50
	RB1#25	21.83	/	21.83		

	RB1#49	21.49	/	21.53		
	RB25#0	20.53	/	20.66		
	RB25#25	20.76	/	20.73		
	RB50#0	20.65	/	20.87		
10MHz 16QAM	RB1#0	20.92	/	20.62	18.84	50
	RB1#25	21.37	/	20.66		
	RB1#49	21.42	/	20.44		
	RB25#0	19.75	/	20.05		
	RB25#25	19.47	/	19.51		
	RB50#0	19.86	/	19.57		
15MHz QPSK	RB1#0	21.52	/	21.63	19.08	50
	RB1#38	21.51	/	21.66		
	RB1#74	21.37	/	21.4		
	RB36#0	20.91	/	20.98		
	RB36#39	20.52	/	20.58		
	RB75#0	20.89	/	20.7		
15MHz 16QAM	RB1#0	20.48	/	21.36	19.08	50
	RB1#38	20.8	/	21.2		
	RB1#74	20.93	/	20.85		
	RB36#0	19.84	/	19.89		
	RB36#39	19.92	/	19.56		
	RB75#0	19.68	/	19.82		

Note:
ERP= Conducted Power(dBm) - L_C(dB) + G_T(dBd)
G_T(dBd)=G_T(dBi)-2.15

Result:	**Pass**

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Lowest For 90S	Highest For 90S	Cross	Lowest For 90S	Highest For 90S	Cross
1.4MHz QPSK	1.098	1.098	1.11	1.314	1.312	1.331
1.4MHz 16QAM	1.092	1.11	1.098	1.29	1.326	1.304
3MHz QPSK	2.687	2.688	2.688	2.88	2.896	2.892
3MHz 16QAM	2.687	2.688	2.688	2.88	2.892	2.895
5MHz QPSK	4.48	4.5	4.5	4.92	4.875	4.849
5MHz 16QAM	4.52	4.5	4.5	4.94	4.856	4.861
10MHz QPSK	8.96	/	8.96	9.6	/	9.621
10MHz 16QAM	8.96	/	8.96	9.64	/	9.677
15MHz QPSK	13.56	/	13.5	14.76	/	14.879
15MHz 16QAM	13.5	/	13.56	14.76	/	14.848

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

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

Frequency Stability

Test Modulation:	15 MHz QPSK		Test Channel:	821.5	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.85	17	0.020	2.5
	-20	3.85	29	0.035	2.5
	-10	3.85	8	0.010	2.5
	0	3.85	13	0.016	2.5
	10	3.85	4	0.005	2.5
	20	3.85	12	0.014	2.5
	30	3.85	4	0.005	2.5
	40	3.85	6	0.007	2.5
	50	3.85	26	0.031	2.5
Frequency Stability vs. Voltage	20	3.4	32	0.038	2.5
	20	4.4	30	0.036	2.5
				Result:	**Pass**

Frequency Stability

Test Modulation:	15 MHz 16QAM		Test Channel:	821.5	MHz
Test Item	Temperature (℃)	Voltage (V_{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.85	2	0.002	2.5
	-20	3.85	21	0.025	2.5
	-10	3.85	22	0.026	2.5
	0	3.85	15	0.018	2.5
	10	3.85	6	0.007	2.5
	20	3.85	27	0.032	2.5
	30	3.85	11	0.013	2.5
	40	3.85	30	0.036	2.5
	50	3.85	21	0.025	2.5
Frequency Stability vs. Voltage	20	3.4	26	0.031	2.5
	20	4.4	20	0.024	2.5
				Result:	**Pass**

Test Data for Part 22H:

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	21.74	21.76	21.74	19.41	38.45
	RB1#3	21.99	21.93	21.97		
	RB1#5	21.78	21.75	21.74		
	RB3#0	21.9	21.83	21.86		
	RB3#3	21.89	21.88	21.83		
	RB6#0	20.86	20.85	20.89		
1.4MHz 16QAM	RB1#0	20.94	20.81	20.79	18.52	38.45
	RB1#3	21.1	20.99	20.96		
	RB1#5	20.93	20.79	20.78		
	RB3#0	20.83	20.97	21.01		
	RB3#3	20.87	20.96	21.04		
	RB6#0	19.9	19.82	19.86		
3MHz QPSK	RB1#0	21.83	21.87	21.81	19.29	38.45
	RB1#8	21.87	21.75	21.81		
	RB1#14	21.82	21.81	21.76		
	RB6#0	20.84	20.83	20.81		
	RB6#9	20.81	20.8	20.75		
	RB15#0	20.87	20.88	20.9		
3MHz 16QAM	RB1#0	21.02	20.88	21.37	18.79	38.45
	RB1#8	21.01	20.83	21.31		
	RB1#14	20.95	20.9	21.3		
	RB6#0	19.86	19.79	19.89		
	RB6#9	19.88	19.79	19.83		
	RB15#0	19.81	19.93	19.91		
5MHz QPSK	RB1#0	21.74	21.77	21.72	19.33	38.45
	RB1#13	21.91	21.83	21.81		
	RB1#24	21.75	21.73	21.7		
	RB15#0	20.8	20.92	20.91		
	RB15#10	20.85	20.83	20.84		
	RB25#0	20.84	20.86	20.89		
5MHz 16QAM	RB1#0	20.63	21.08	20.86	18.58	38.45
	RB1#13	20.77	21.16	20.96		
	RB1#24	20.7	21.03	20.79		
	RB15#0	19.85	19.85	19.96		
	RB15#10	19.91	19.79	19.87		
	RB25#0	19.89	19.89	19.9		
10MHz QPSK	RB1#0	21.81	21.8	21.83	19.44	38.45

	RB1#25	21.96	21.95	22.02		
	RB1#49	21.81	21.85	21.87		
	RB25#0	20.89	20.94	21		
	RB25#25	20.93	20.85	20.91		
	RB50#0	20.89	20.91	20.93		
10MHz 16QAM	RB1#0	21.4	21	20.89	18.94	38.45
	RB1#25	21.52	21.12	21.08		
	RB1#49	21.45	20.99	20.86		
	RB25#0	19.93	19.96	20.12		
	RB25#25	19.96	19.88	20.01		
	RB50#0	19.93	19.93	19.98		
15MHz QPSK	RB1#0	21.83	21.81	21.74	19.36	38.45
	RB1#38	21.94	21.87	21.86		
	RB1#74	21.83	21.78	21.75		
	RB36#0	20.93	20.9	21		
	RB36#39	20.91	20.9	20.98		
	RB75#0	20.9	20.95	20.99		
15MHz 16QAM	RB1#0	20.95	21.26	21.43	18.9	38.45
	RB1#38	21.07	21.26	21.48		
	RB1#74	20.98	21.22	21.25		
	RB36#0	19.96	19.87	19.96		
	RB36#39	19.95	19.84	19.95		
	RB75#0	19.99	19.95	19.96		

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	5.58	5.97	5.58	13
	RB75#0	5.99	5.71	5.93	13
15MHz 16QAM	RB1#0	6.23	6.26	6.58	13
	RB75#0	6.76	6.57	6.79	13
				Result:	**Pass**

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	1.104	1.104	1.092	1.299	1.296	1.29

1.4MHz 16QAM	1.098	1.098	1.11	1.304	1.296	1.32
3MHz QPSK	2.676	2.687	2.687	2.88	2.868	2.856
3MHz 16QAM	2.676	2.687	2.687	2.897	2.856	2.868
5MHz QPSK	4.5	4.5	4.52	4.872	4.88	4.94
5MHz 16QAM	4.48	4.52	4.5	4.823	4.98	4.88
10MHz QPSK	8.96	8.96	8.96	9.658	9.56	9.56
10MHz 16QAM	8.96	8.96	8.96	9.602	9.52	9.52
15MHz QPSK	13.56	13.5	13.5	14.777	14.52	14.76
15MHz 16QAM	13.56	13.5	13.5	14.811	14.7	14.76
Note: The test plots please refer to the Plots of Occupied Bandwidth						

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	3.85	17	0.020	2.5
	-20	3.85	36	0.043	2.5
	-10	3.85	40	0.048	2.5
	0	3.85	9	0.011	2.5
	10	3.85	3	0.004	2.5
	20	3.85	29	0.035	2.5
	30	3.85	1	0.001	2.5
	40	3.85	2	0.002	2.5
	50	3.85	15	0.018	2.5
Frequency Stability vs. Voltage	20	3.4	9	0.011	2.5
	20	4.4	34	0.041	2.5
				Result:	**Pass**

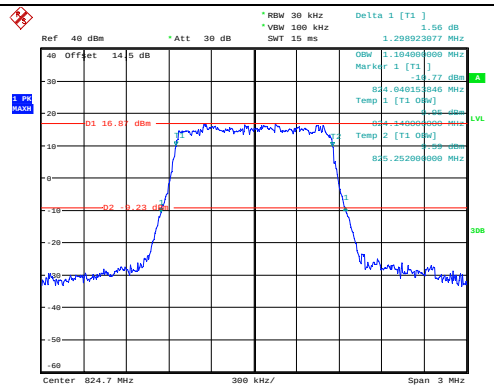
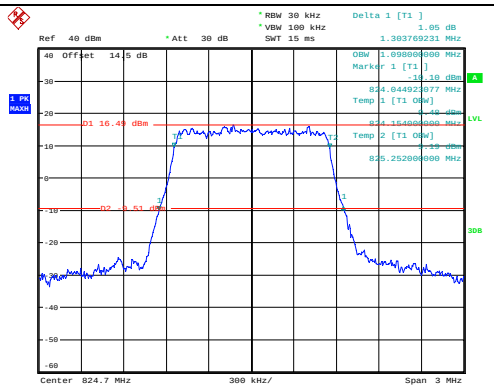
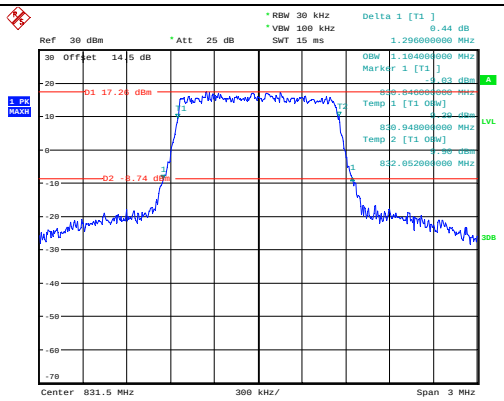
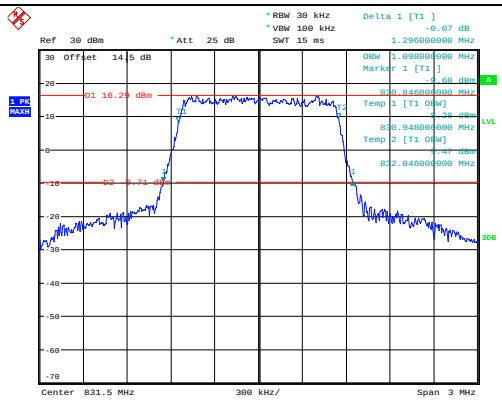
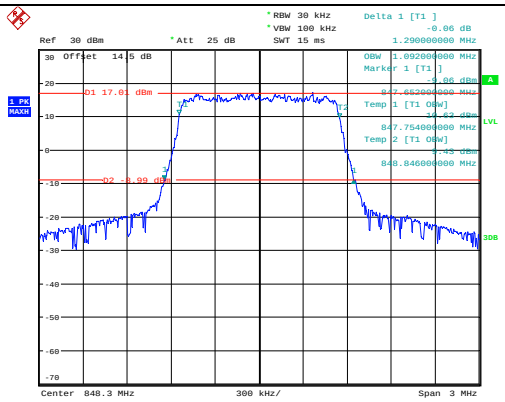
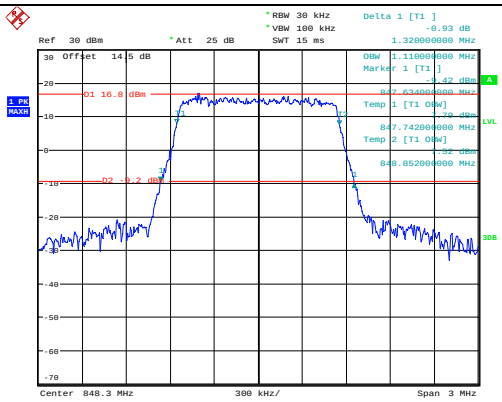
FCC §2.1055, §22.355,§90.213: Frequency Stability

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	3.85	12	0.014	2.5
	-20	3.85	18	0.022	2.5
	-10	3.85	3	0.004	2.5
	0	3.85	10	0.012	2.5
	10	3.85	8	0.010	2.5
	20	3.85	19	0.023	2.5
	30	3.85	7	0.008	2.5
	40	3.85	31	0.037	2.5
	50	3.85	33	0.040	2.5
Frequency Stability vs. Voltage	20	3.4	27	0.032	2.5
	20	4.4	16	0.019	2.5

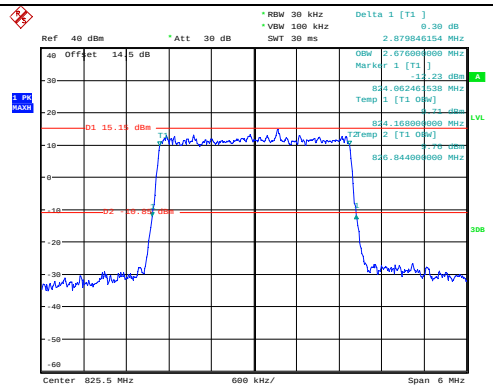
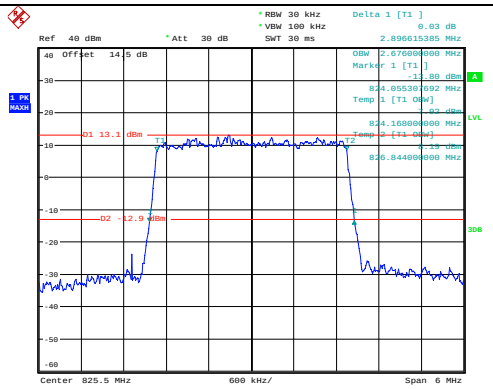
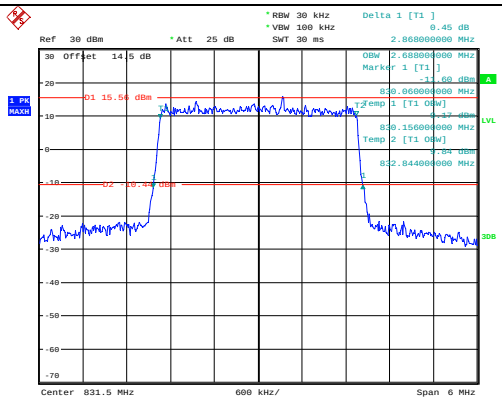
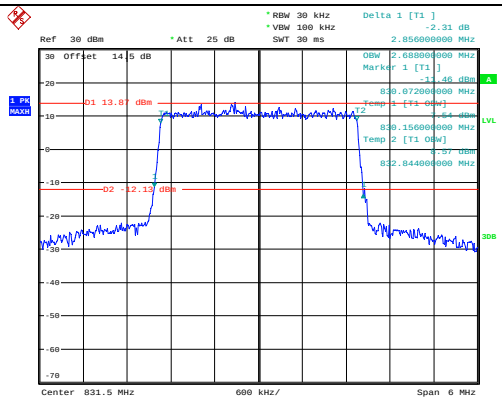
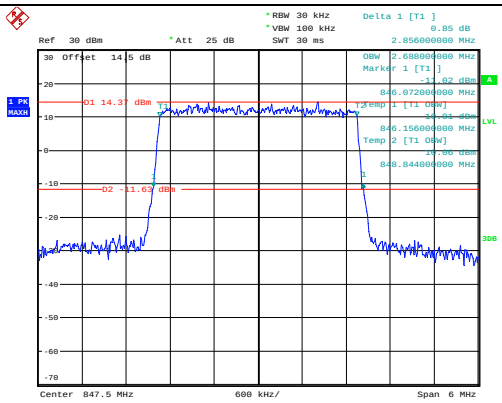
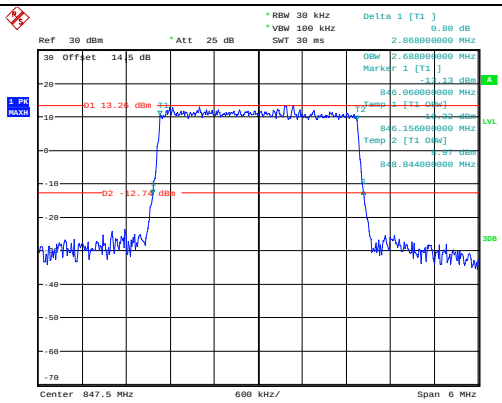
Result:	Pass

Test Plots(Note: The 14.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

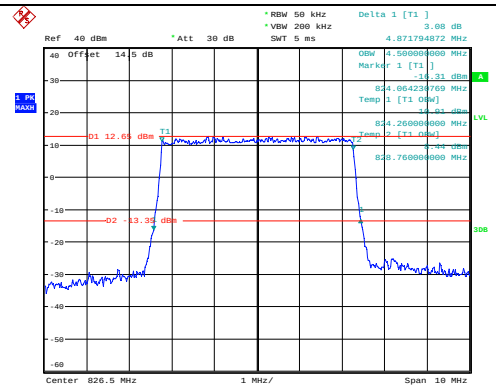
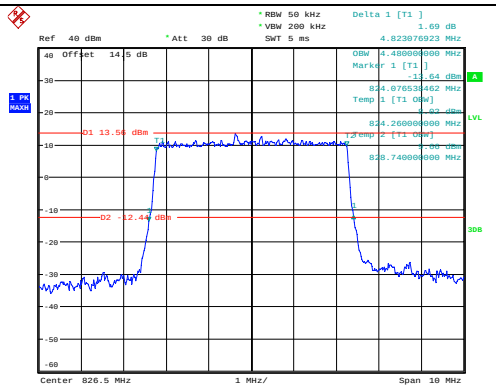
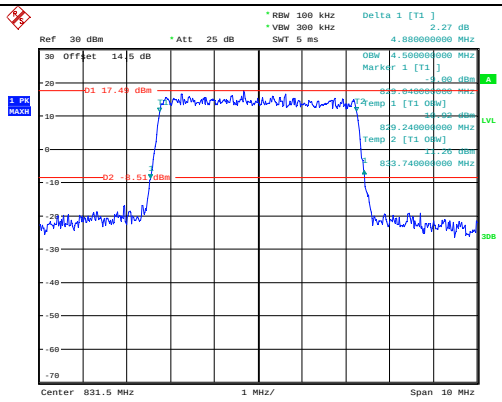
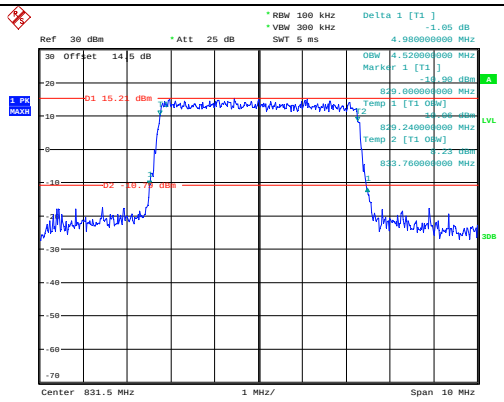
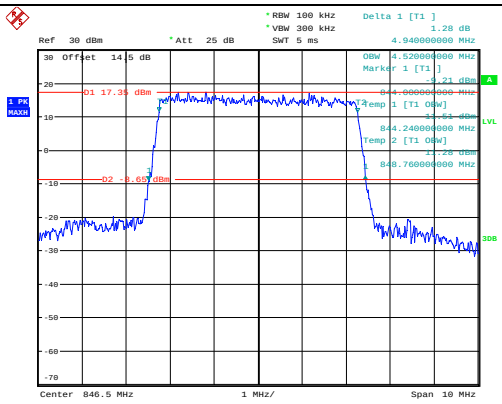
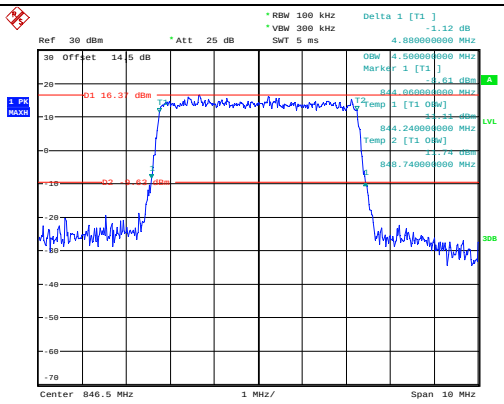
Part 22:

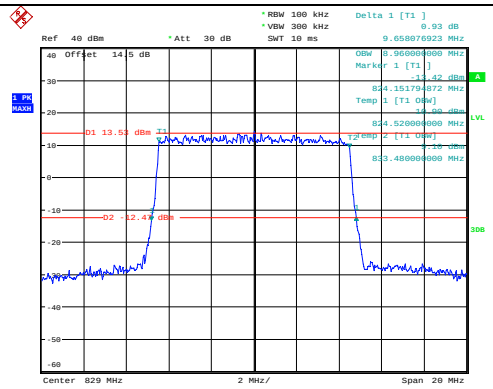
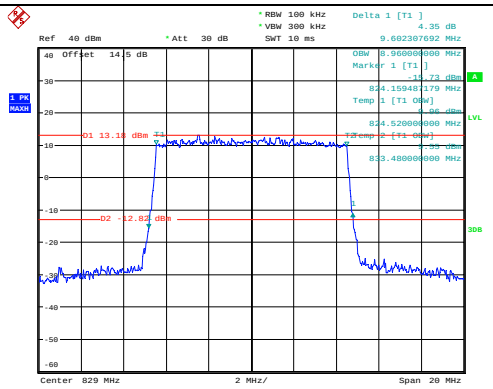
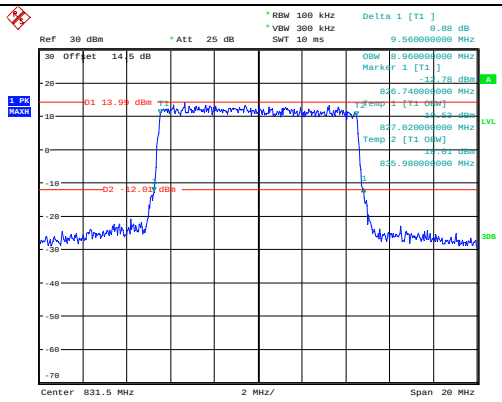
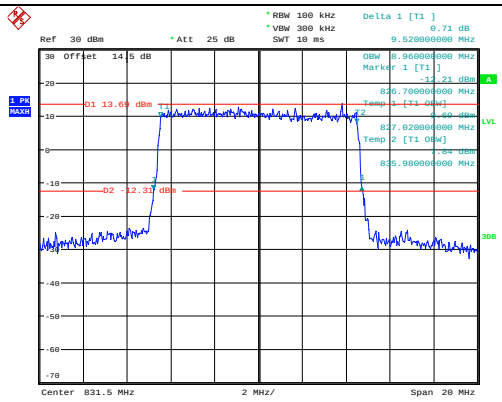
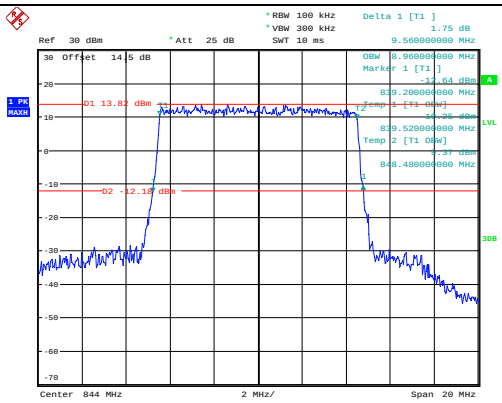
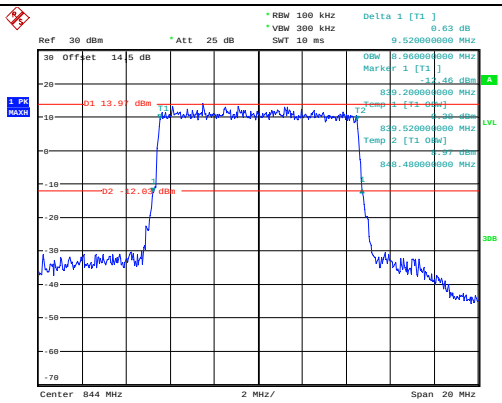
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

Occupied Bandwidth

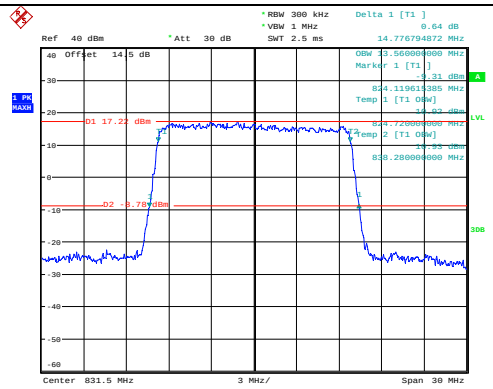
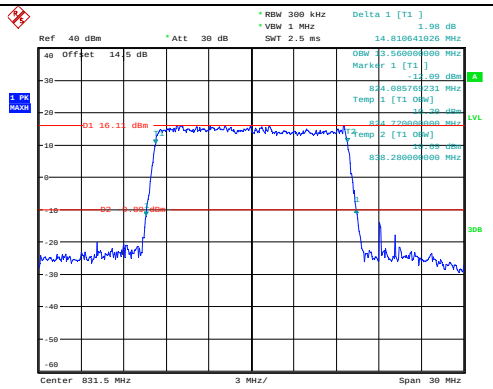
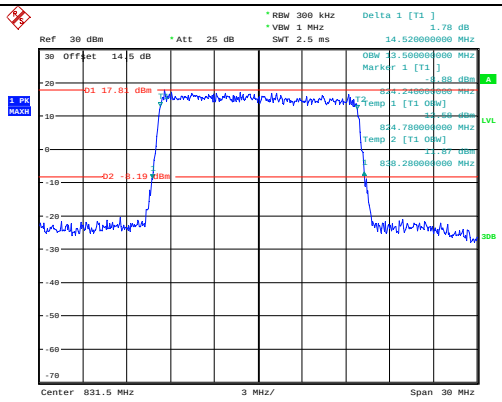
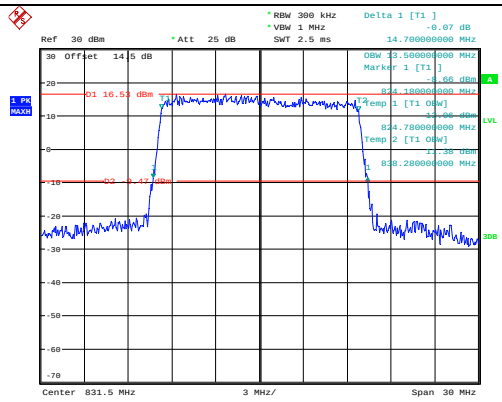
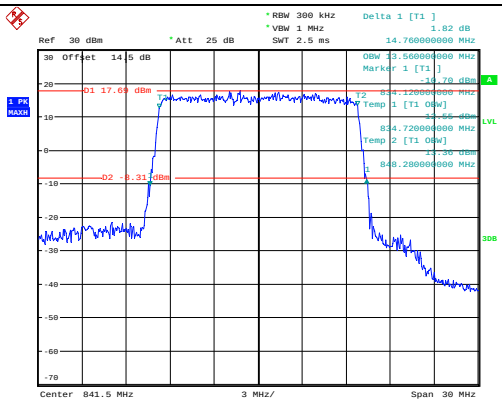
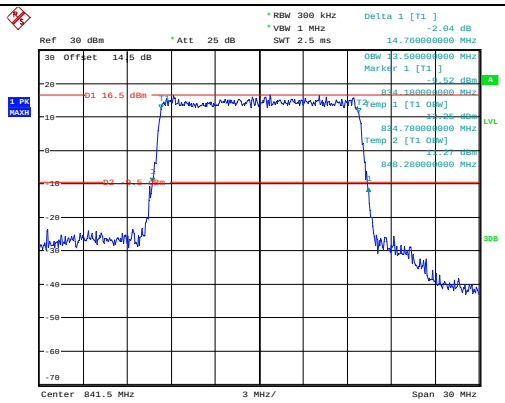
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 18:40:22	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 18:41:57
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:44:05	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:44:25
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:44:43	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:45:06

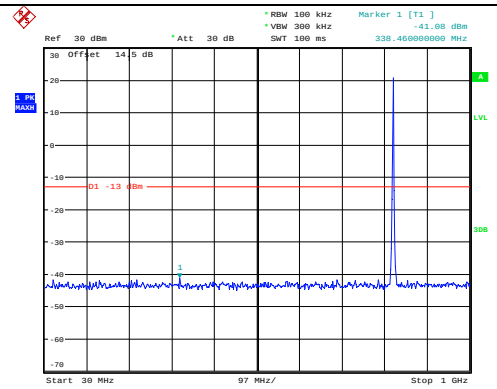
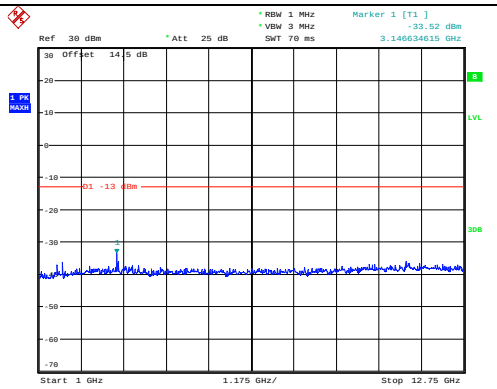
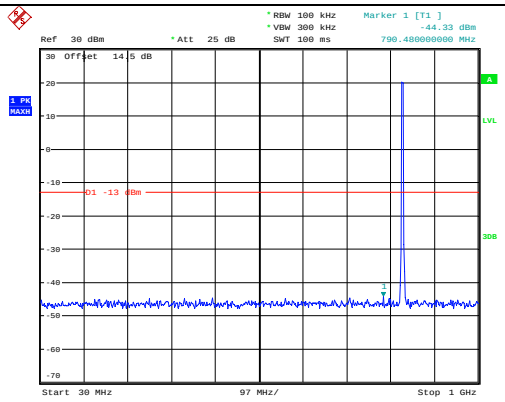
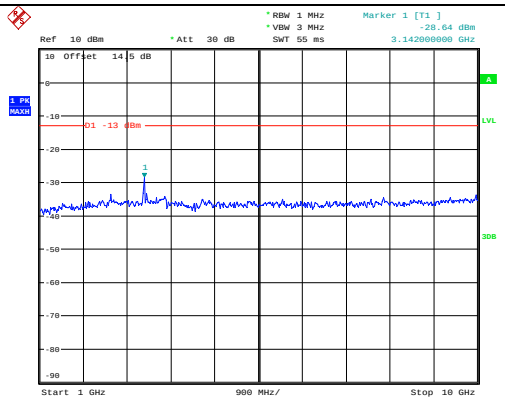
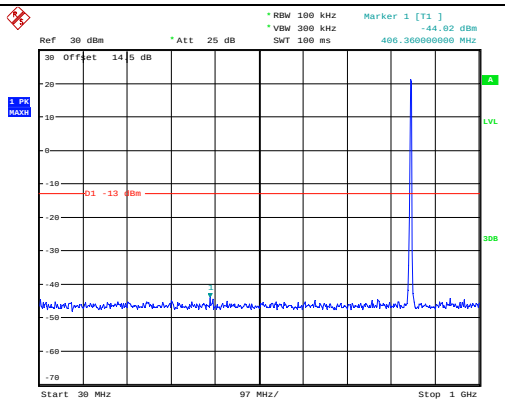
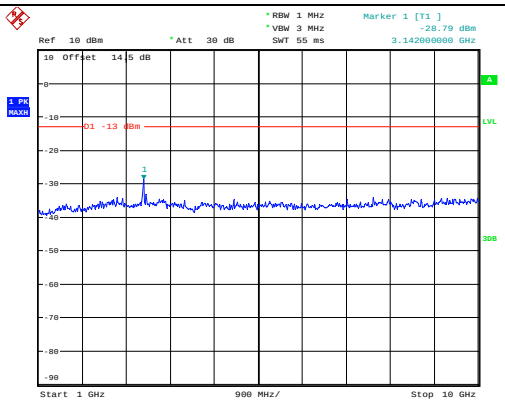
Occupied Bandwidth

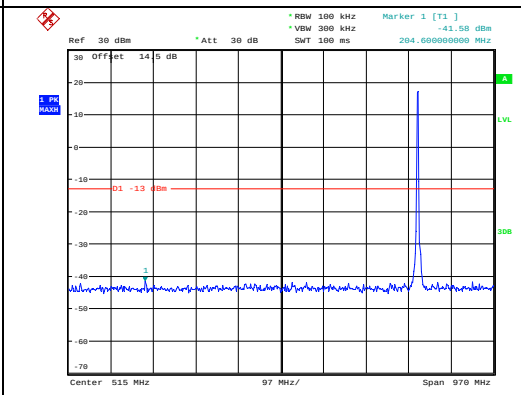
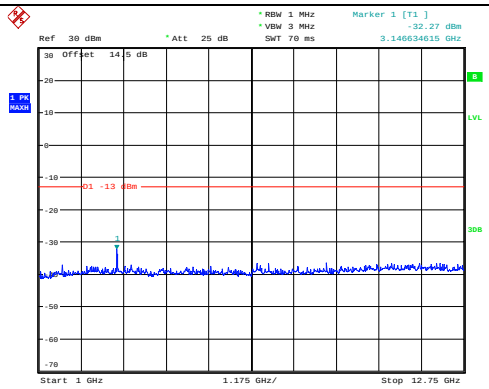
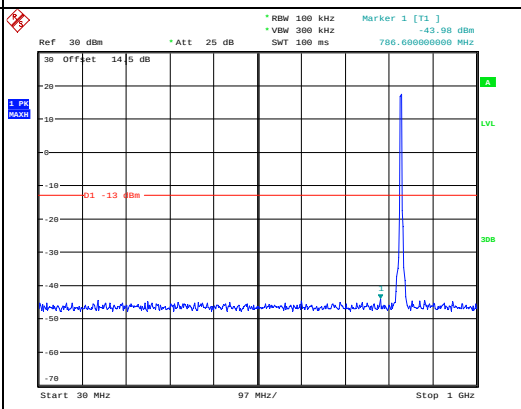
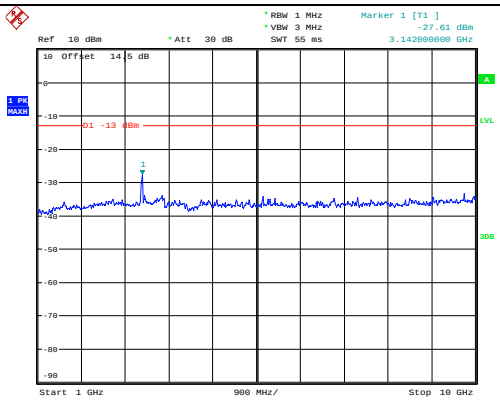
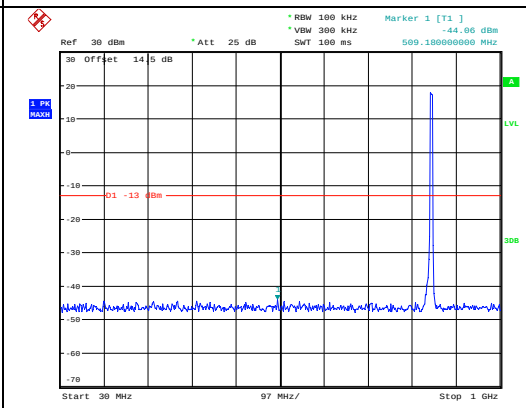
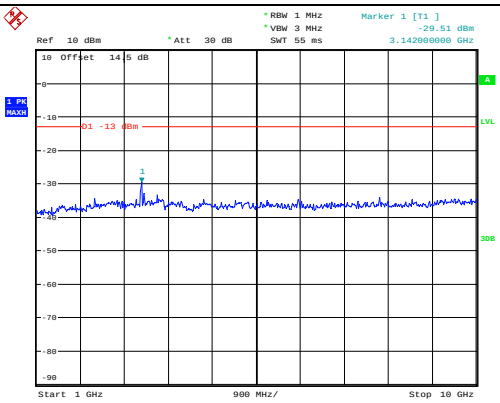
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:03:34	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:07:29
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:47:04	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:47:24
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:47:48	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:48:11

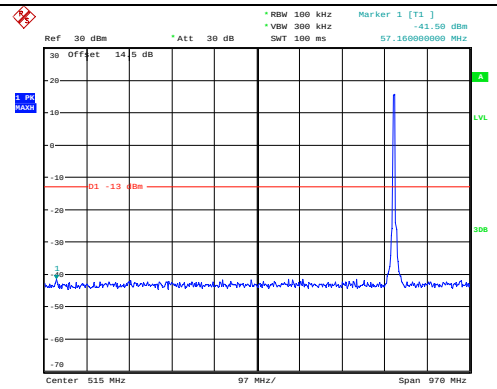
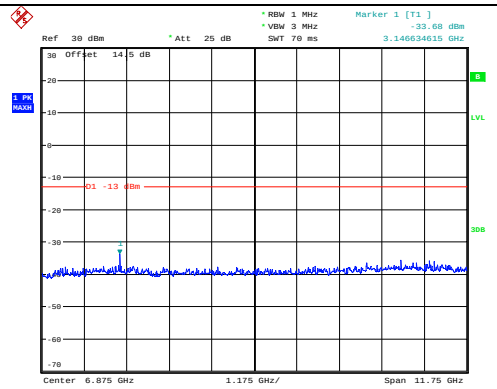
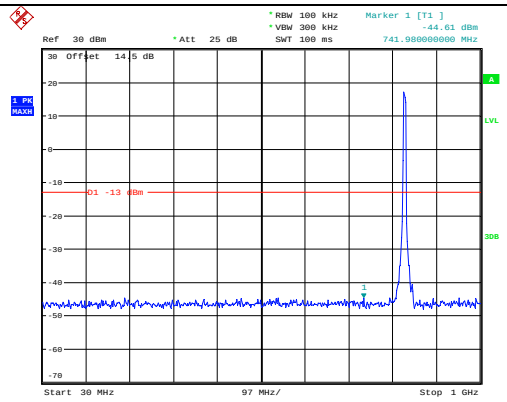
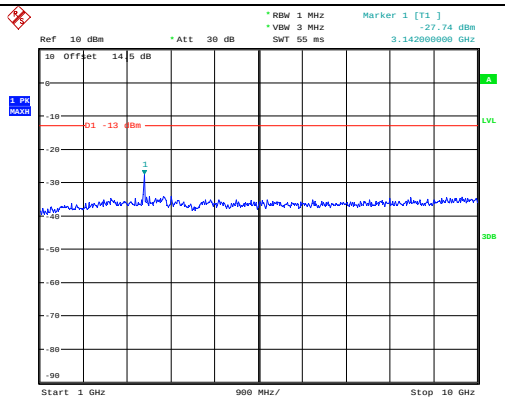
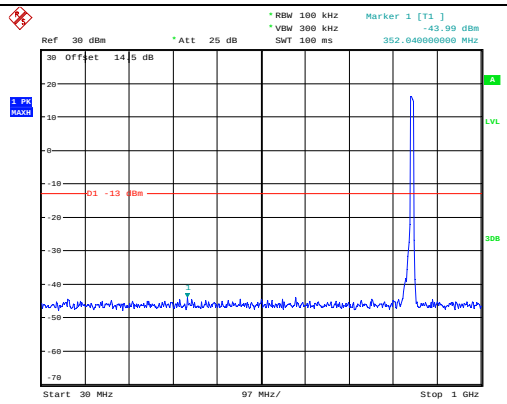
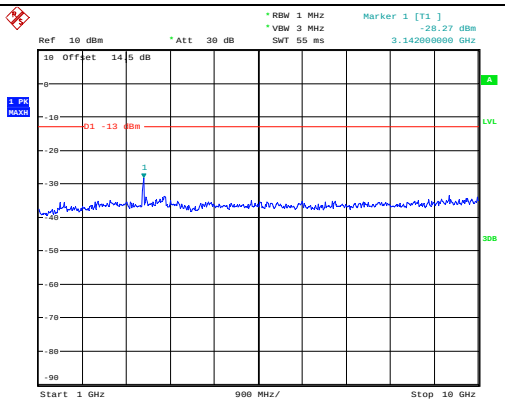
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:15:45	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:36:22
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:50:02	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:50:22
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:50:45	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:51:08

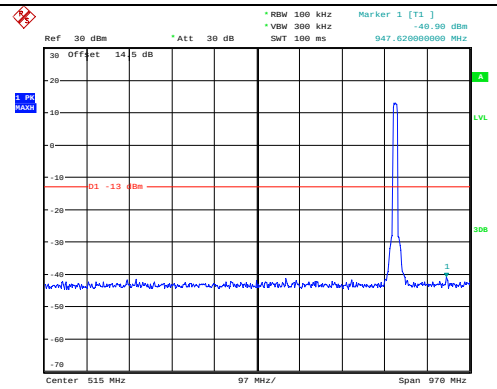
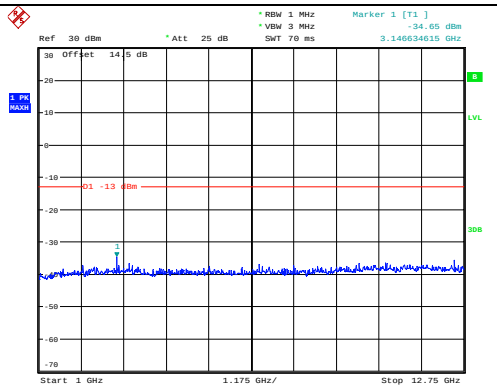
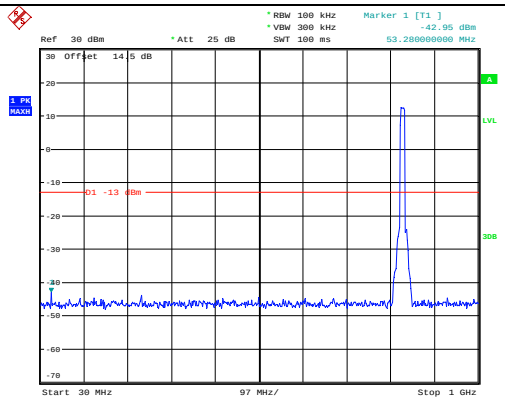
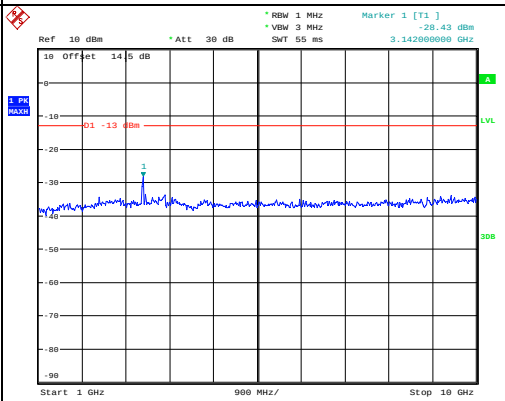
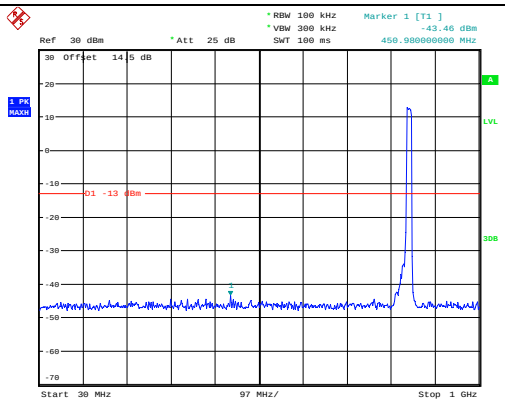
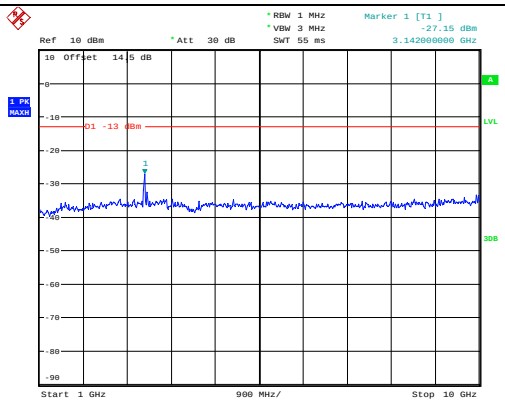
Occupied Bandwidth

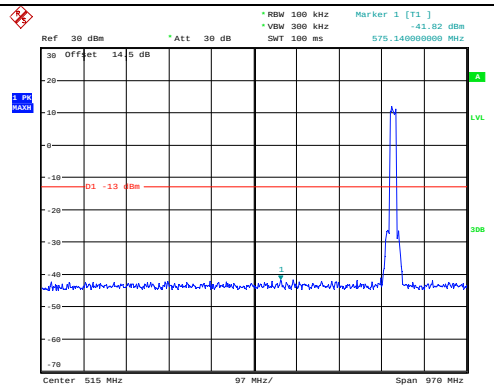
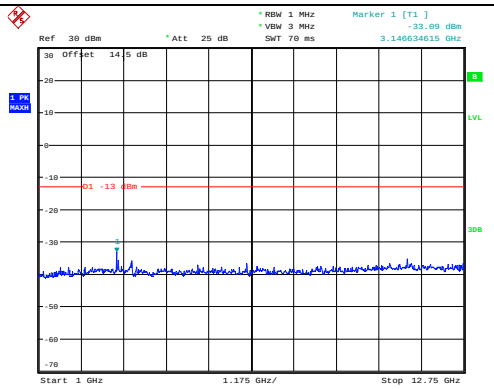
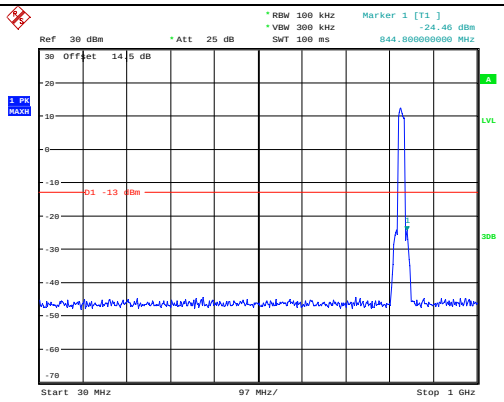
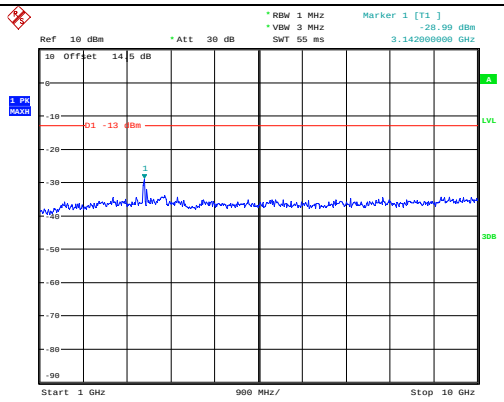
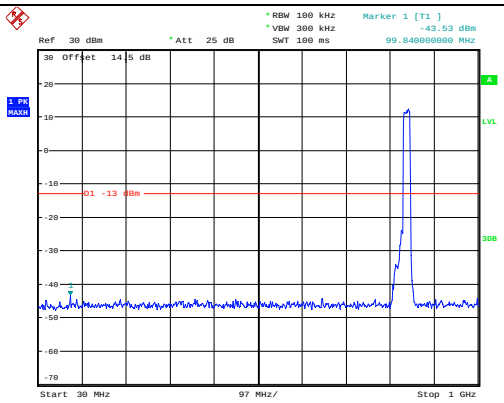
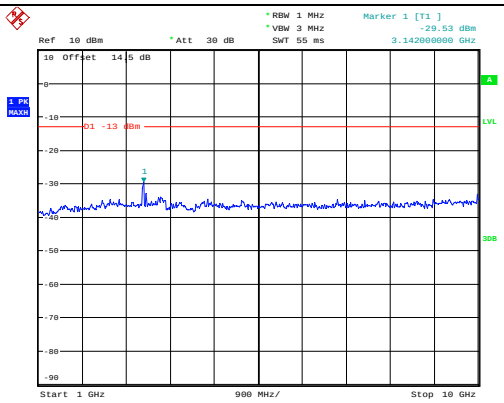
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:29:32	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:31:58
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:53:09	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:53:29
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:53:49	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:54:10

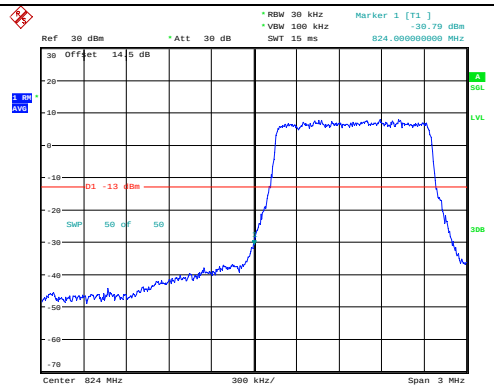
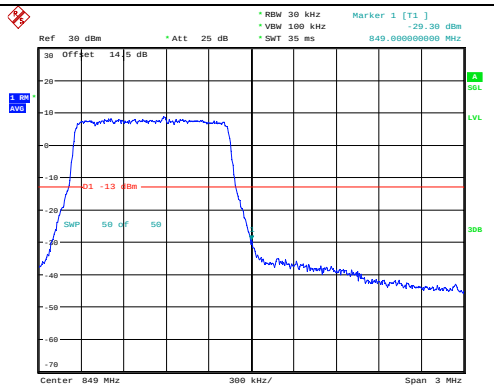
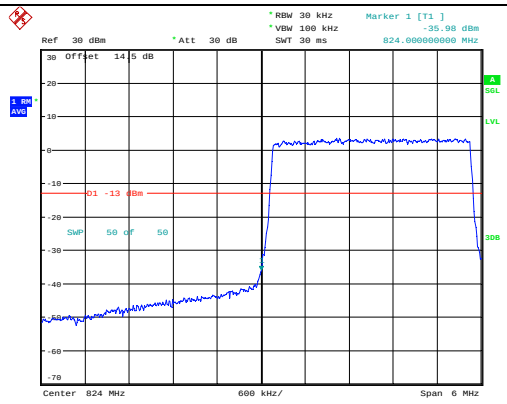
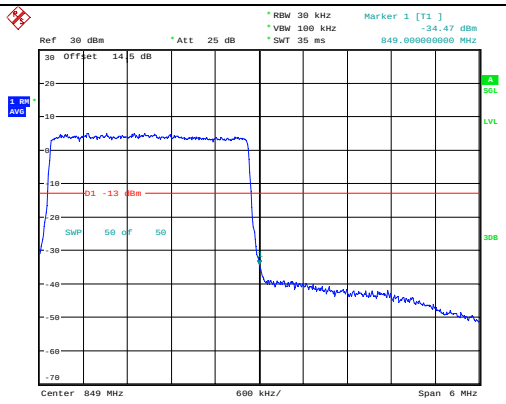
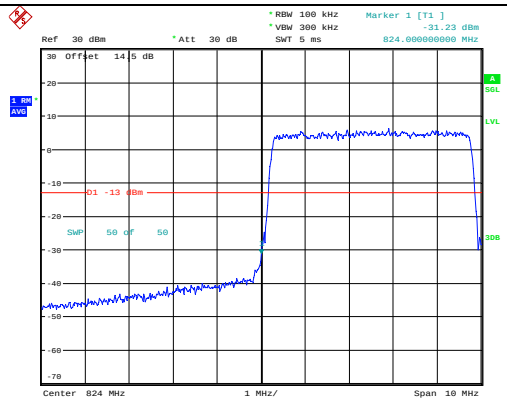
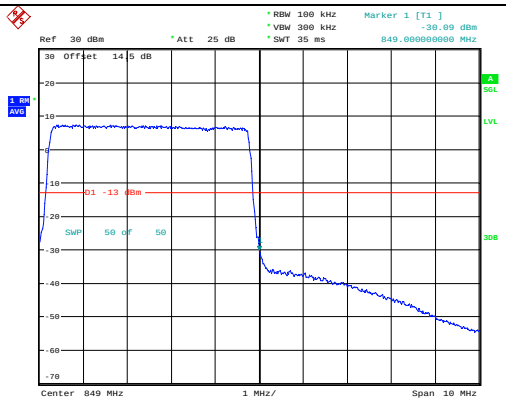
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:13:50	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:14:14
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:57:56	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:58:06
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:58:19	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:58:29

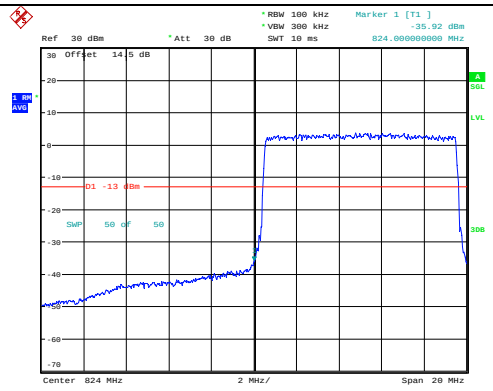
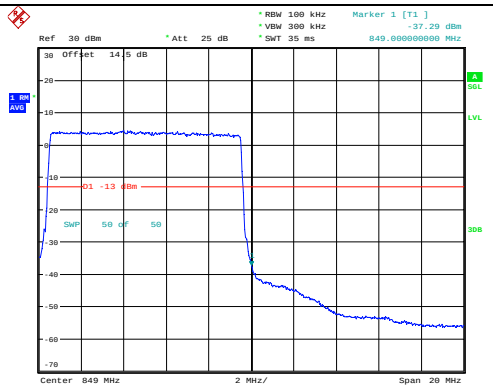
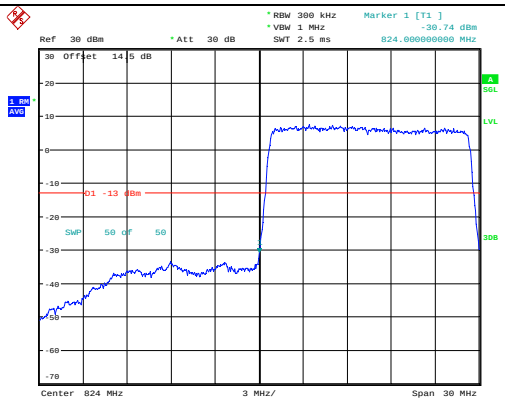
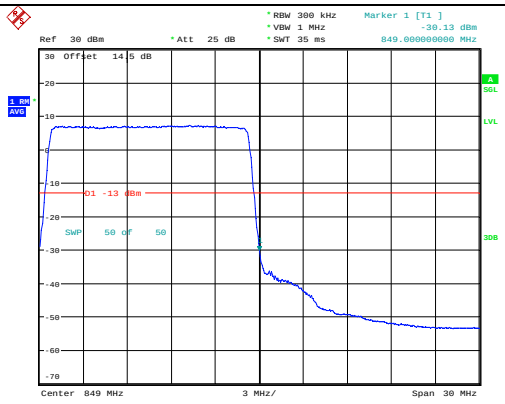
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:17:37	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:17:58
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:59:47	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:59:57
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:00:10	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:00:20

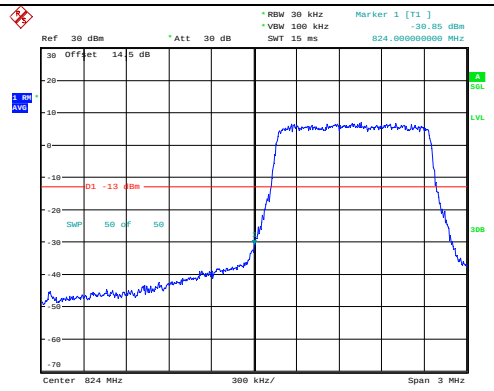
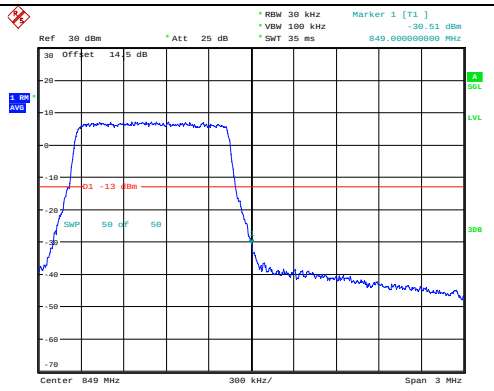
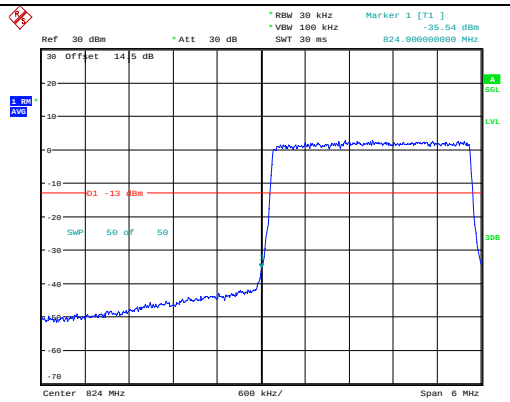
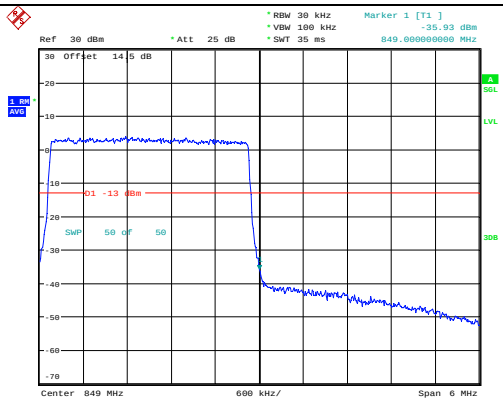
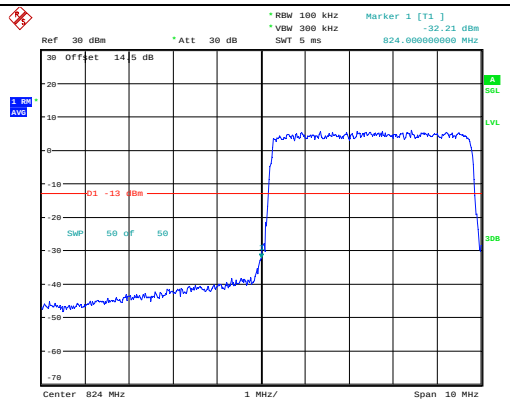
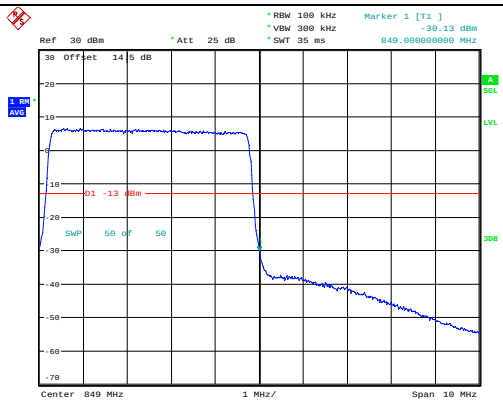
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

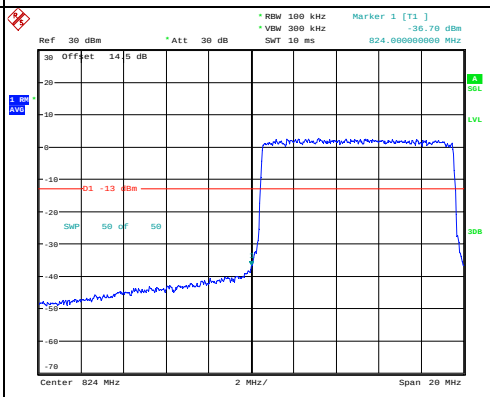
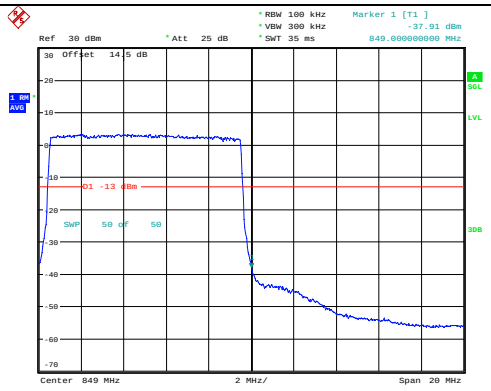
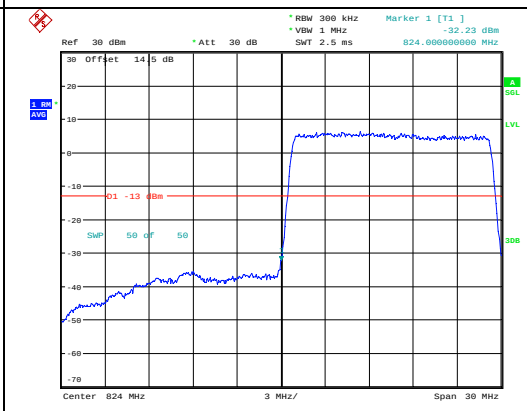
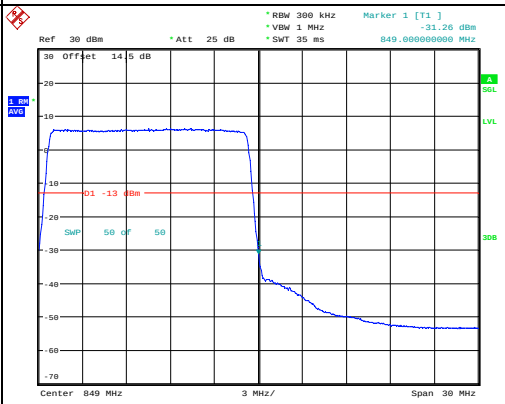
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:24:39	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:24:59
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:03:46	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:03:56
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:04:09	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:04:19

Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:26:55	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:27:22
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:05:50	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:06:00
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:06:16	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:06:27

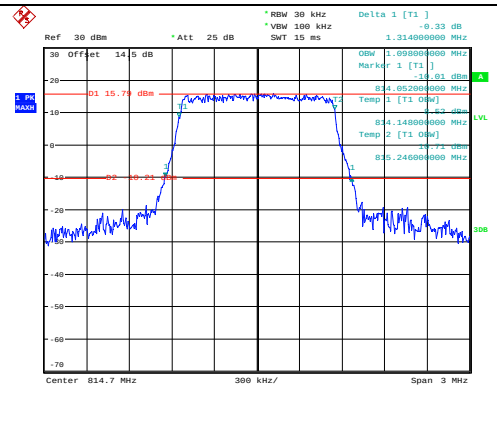
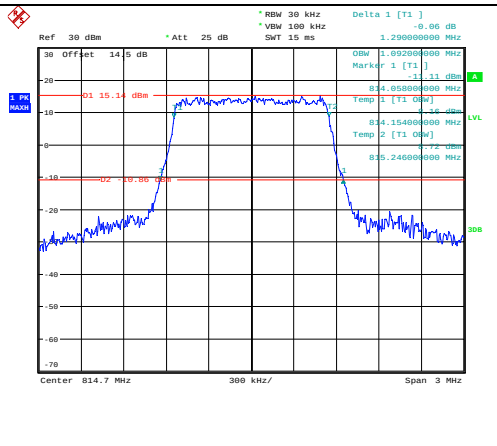
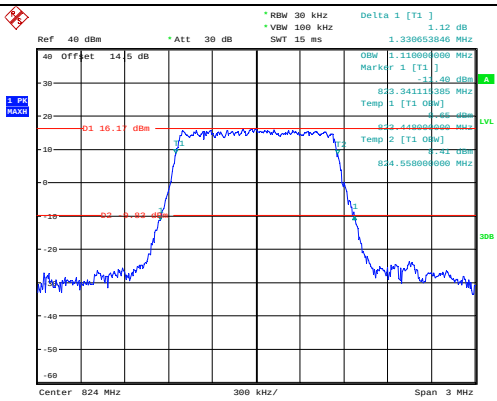
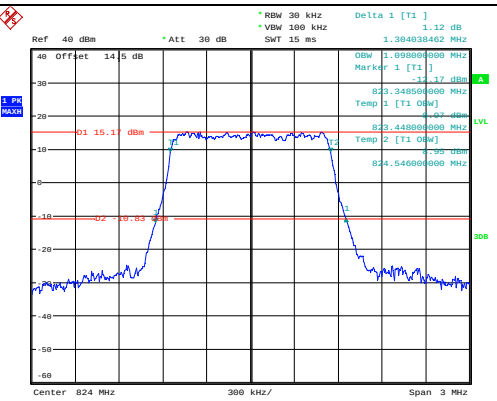
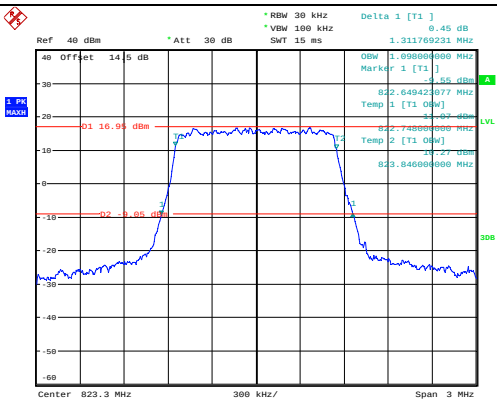
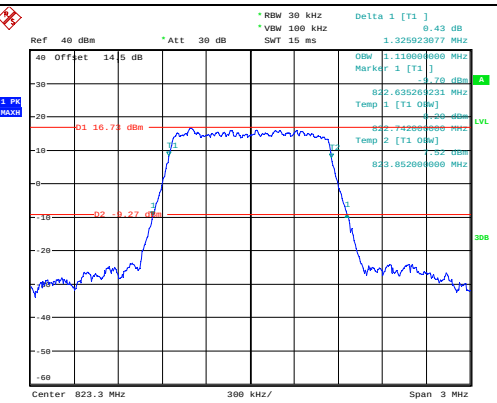
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 1.4MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:56:53	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:37:45
QPSK 3MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:59:15	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:39:04
QPSK 5MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:02:15	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:40:33

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

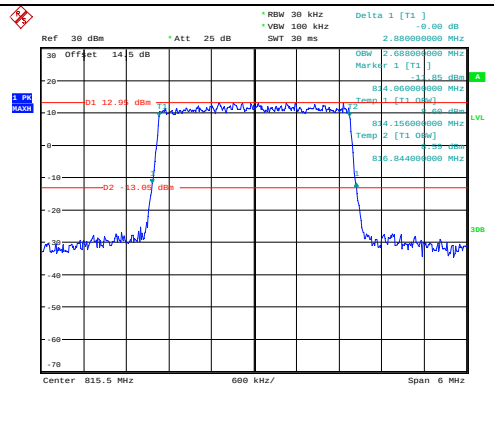
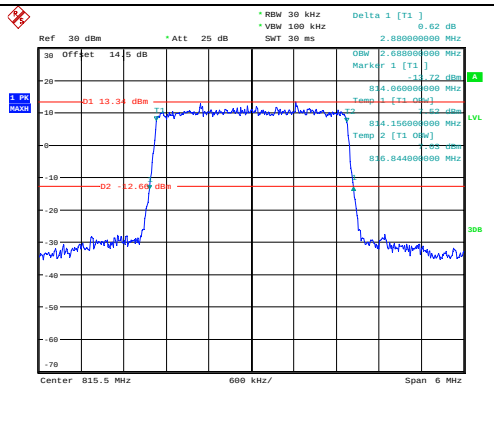
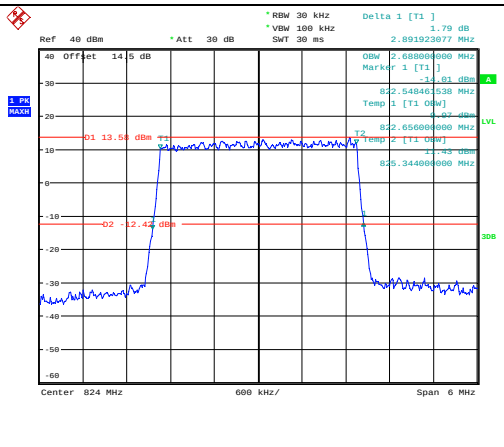
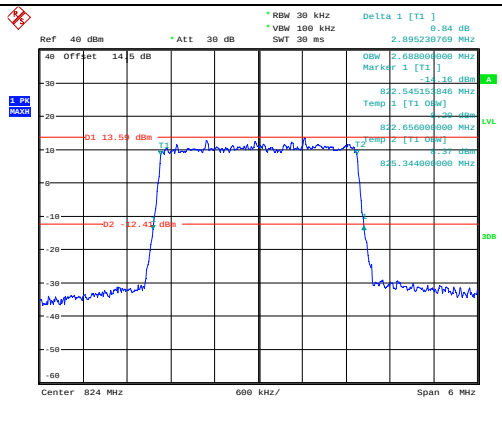
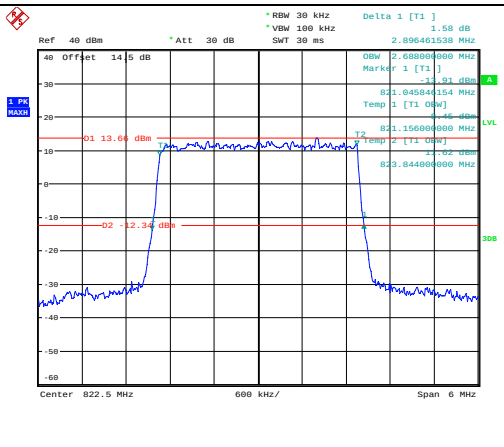
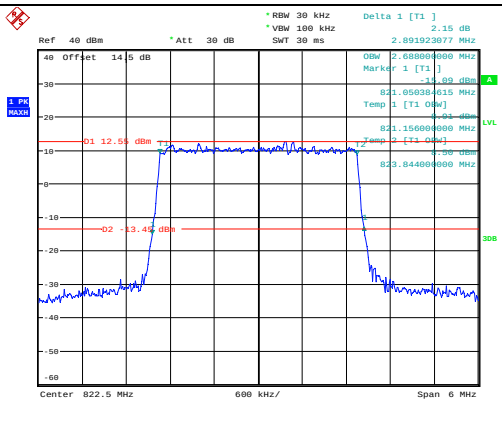
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:56:30	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:37:55
16QAM 3MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:58:46	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:39:15
16QAM 5MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:01:55	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:40:44

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

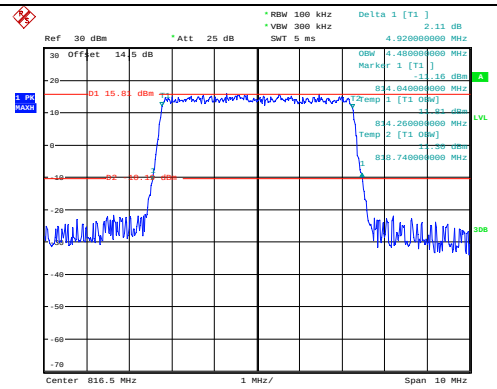
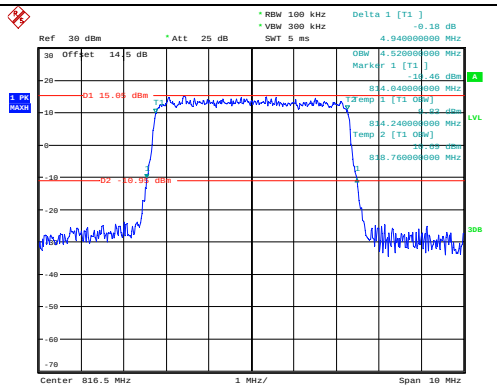
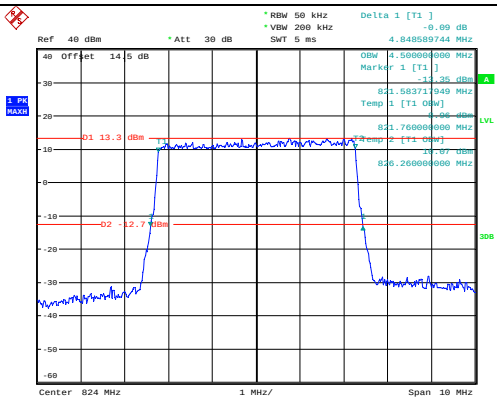
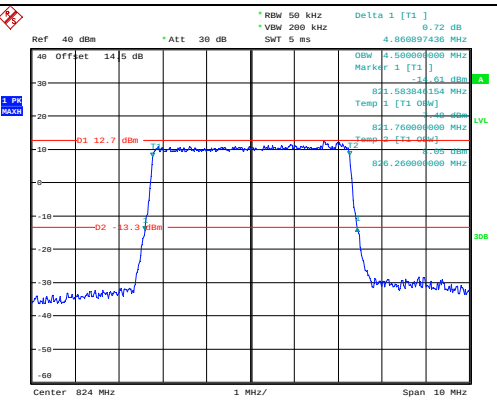
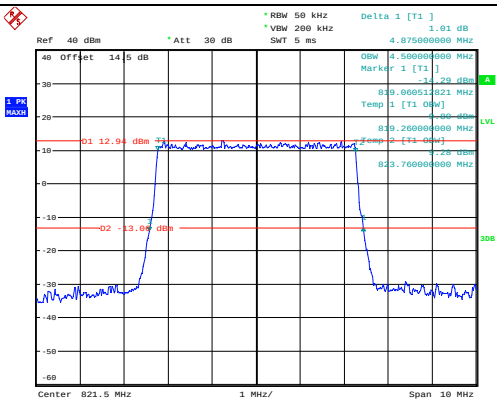
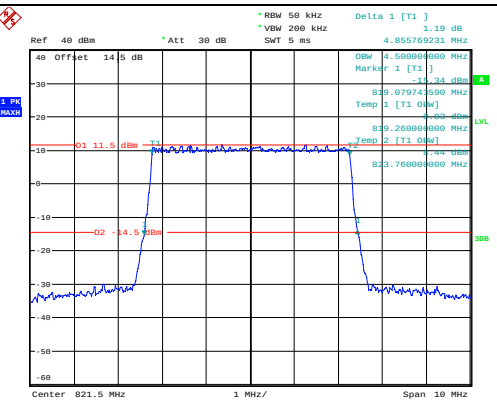
Part 90:

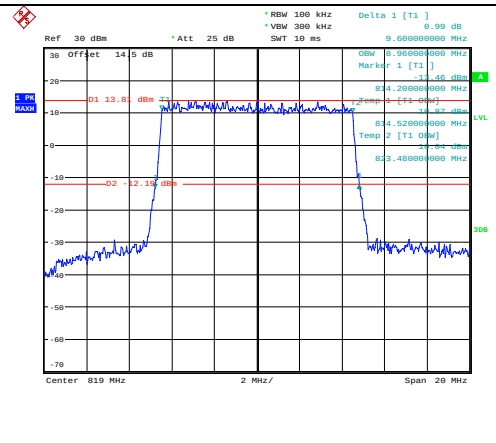
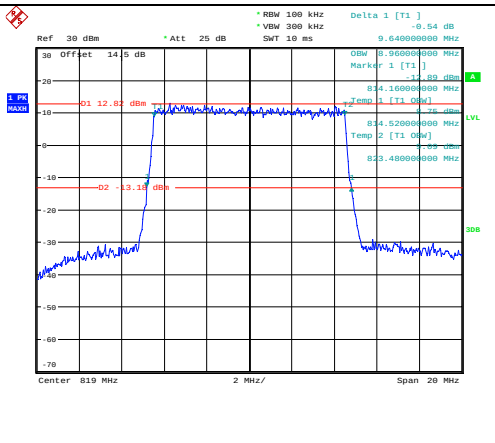
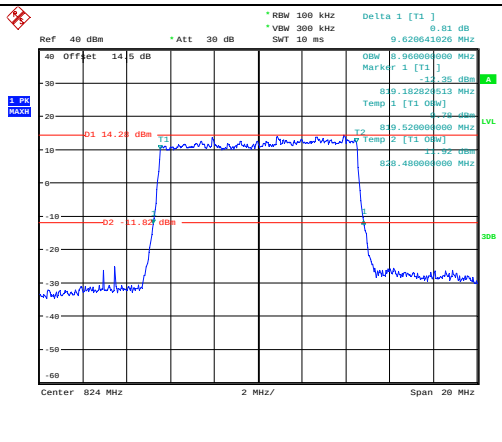
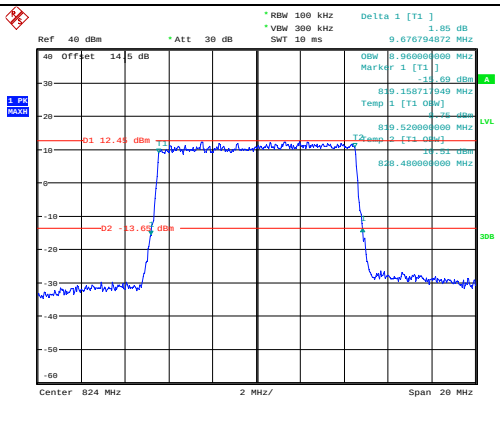
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:40:27	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:40:51
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 17:41:26	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 17:42:57
Highest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 17:35:38	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 17:37:57

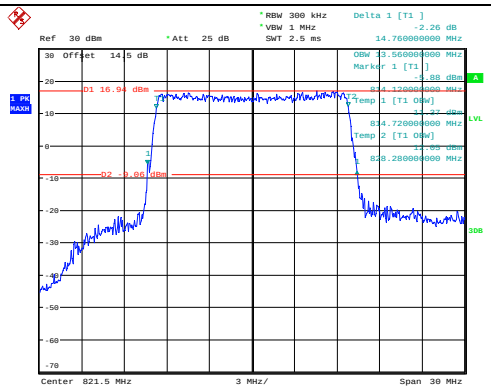
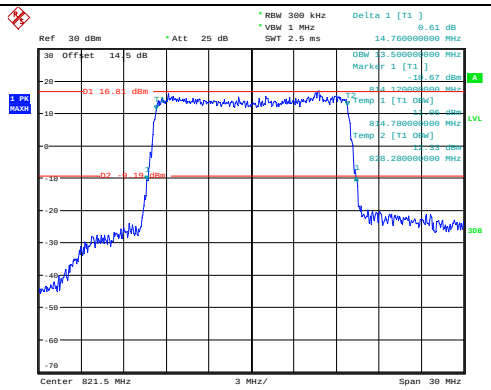
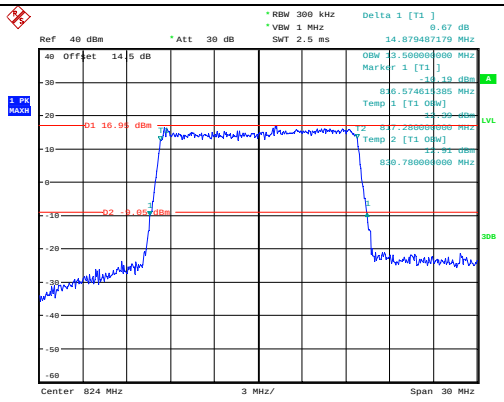
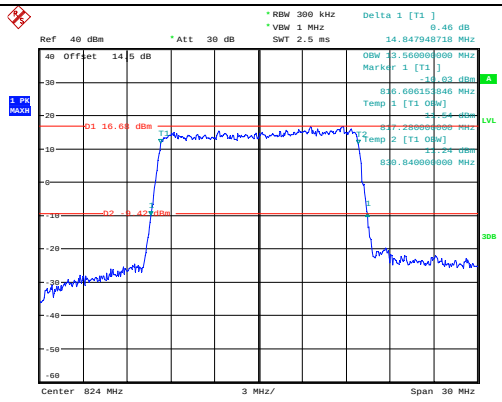
Occupied Bandwidth

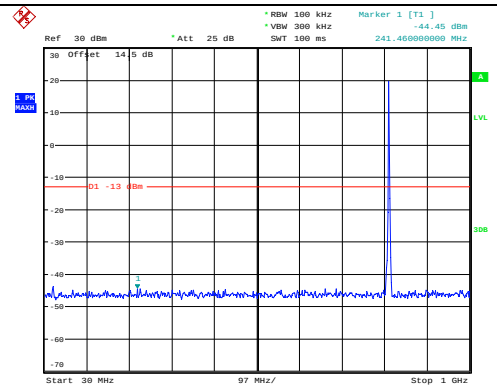
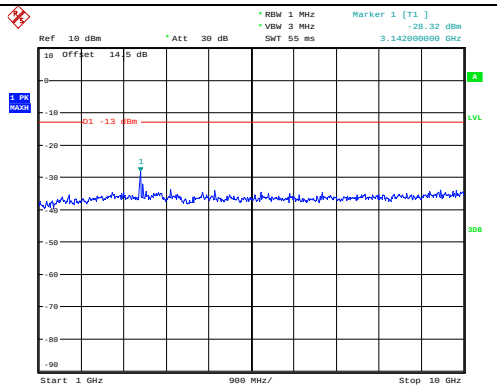
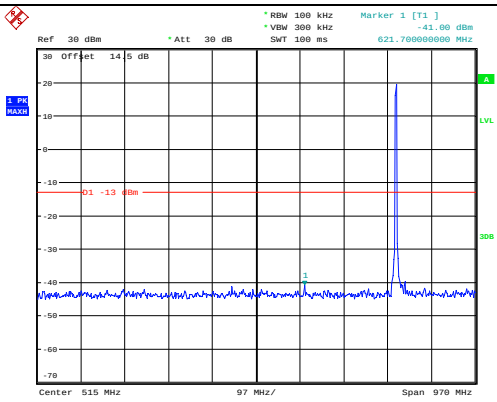
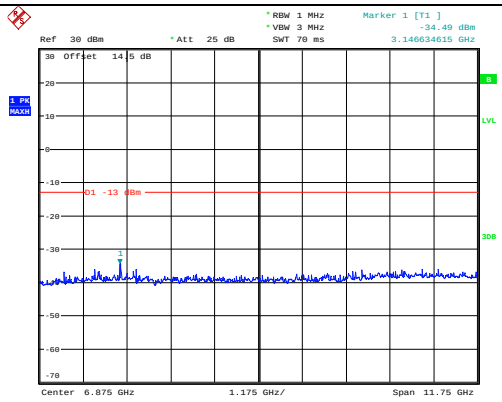
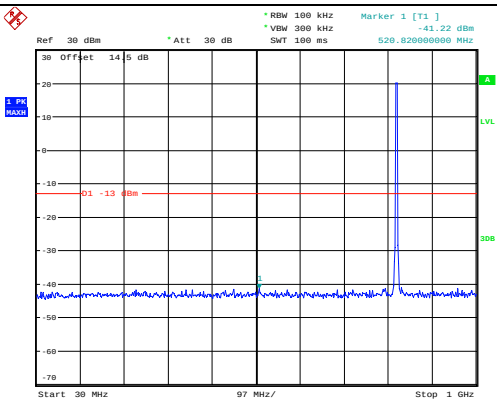
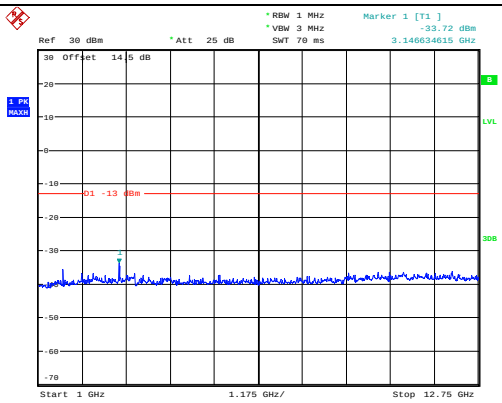
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

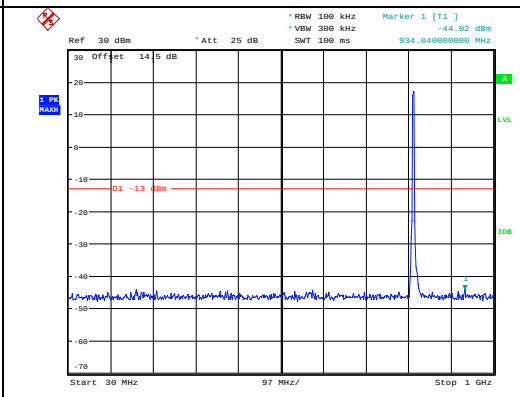
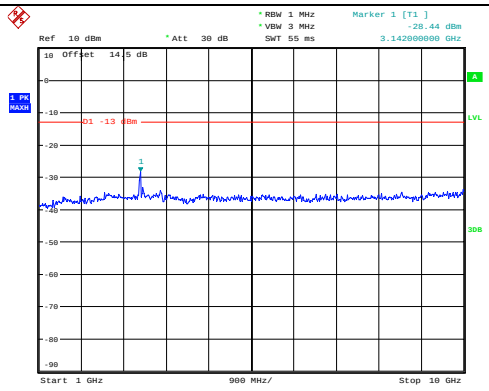
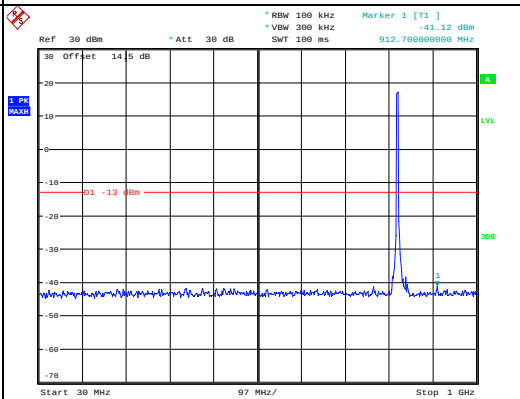
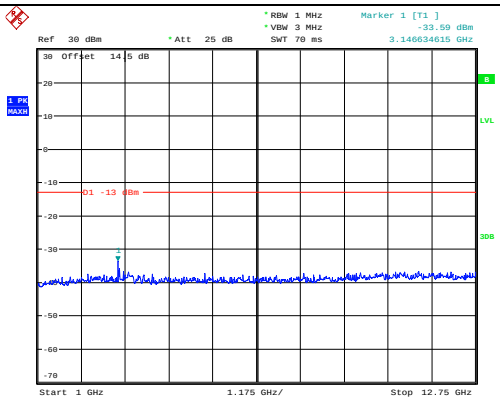
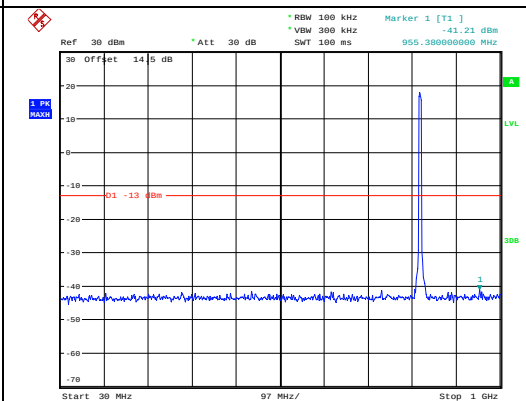
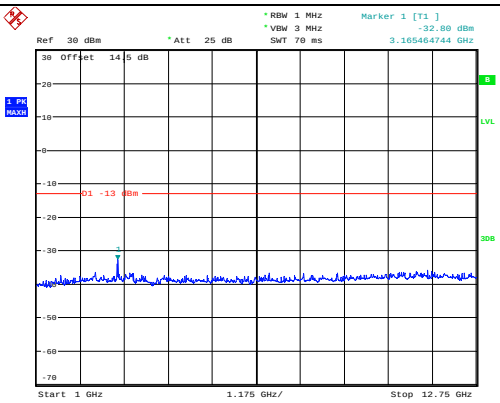
Occupied Bandwidth

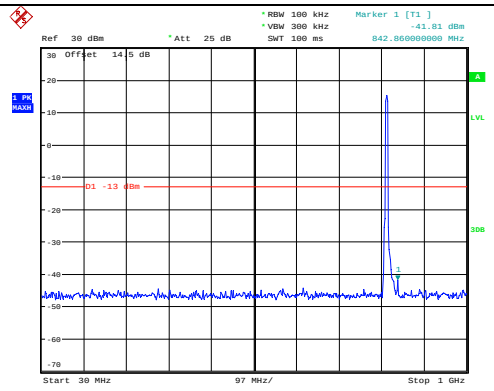
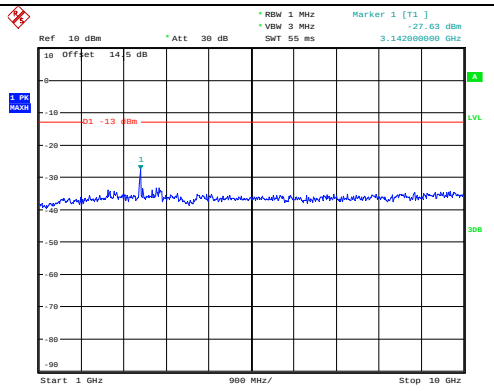
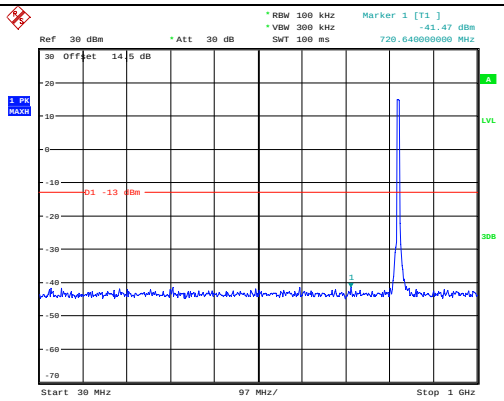
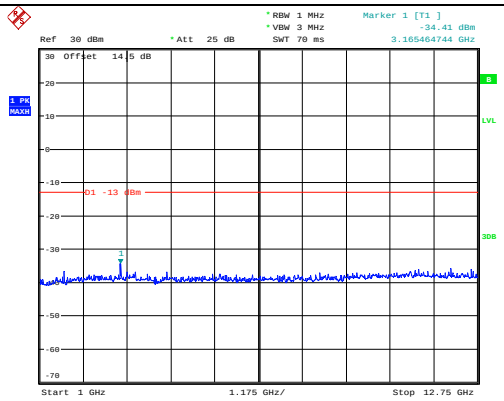
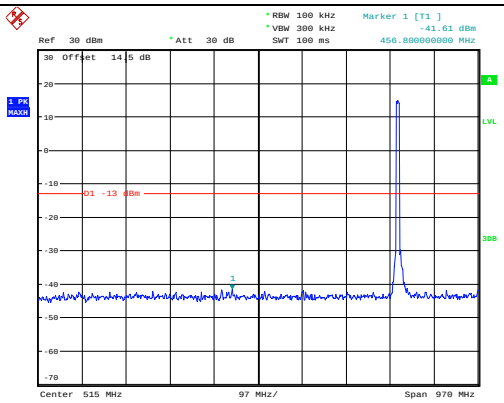
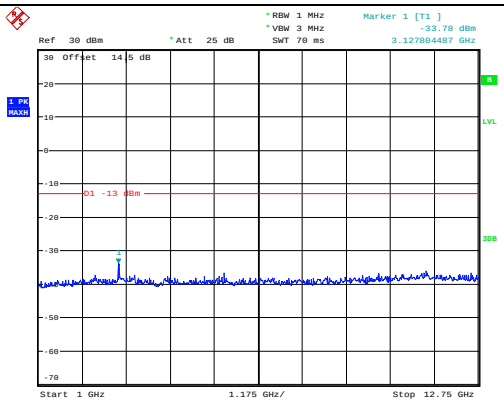
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:46:20	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:46:44
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 18:59:02	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:01:07
Highest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 18:56:35	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 18:53:12

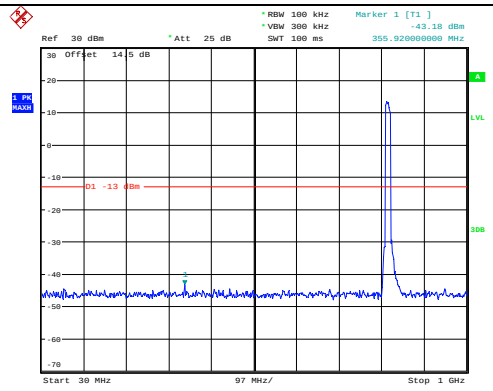
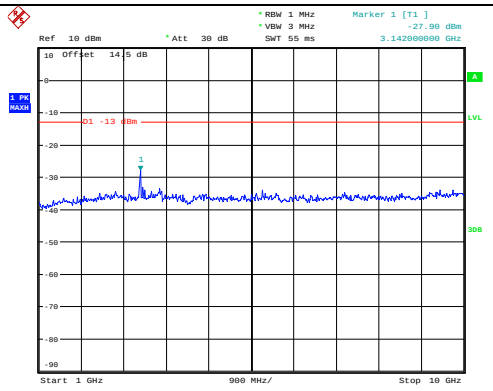
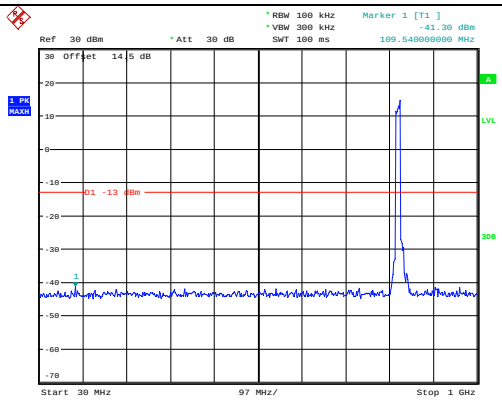
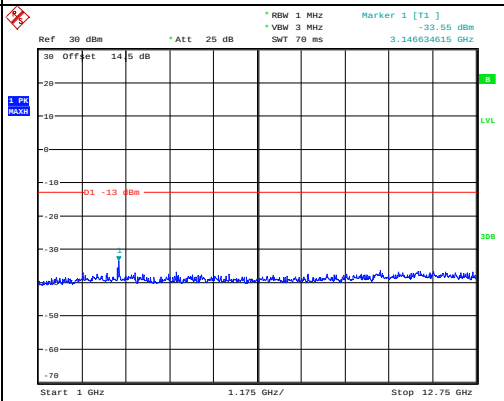
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		

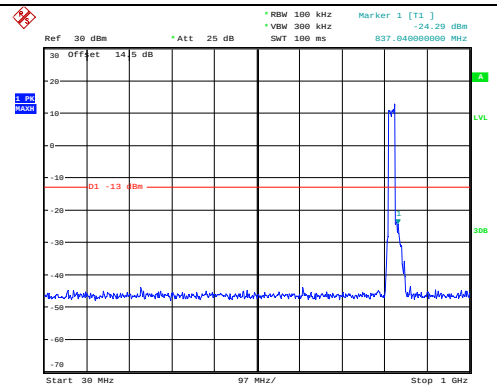
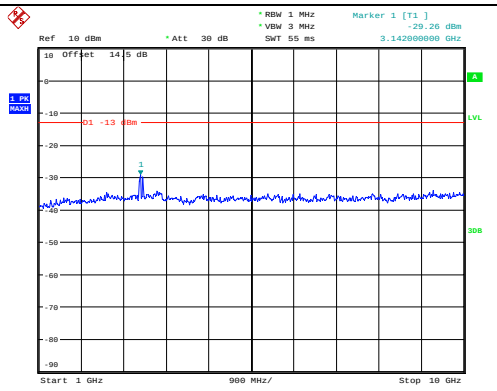
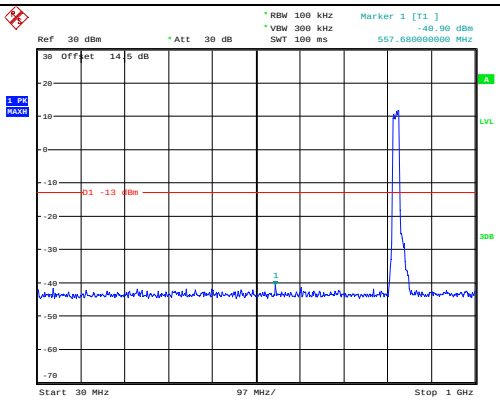
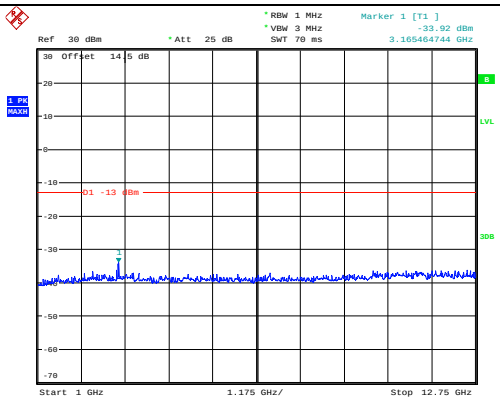
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:52:28	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:52:48
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:24:17	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:26:33

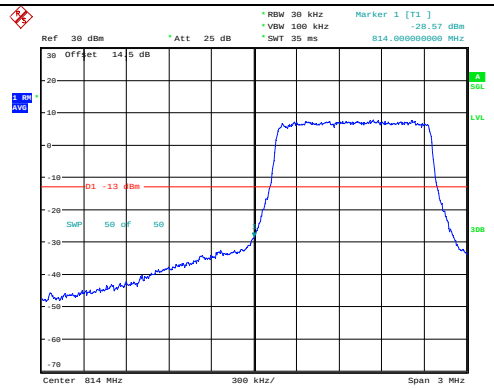
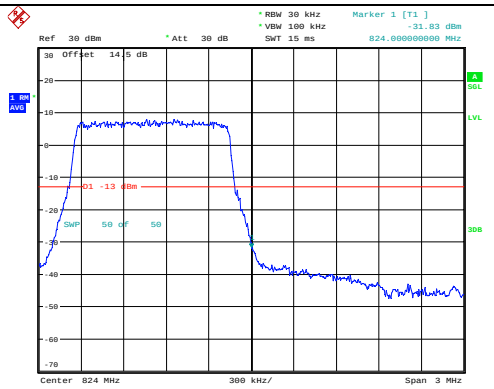
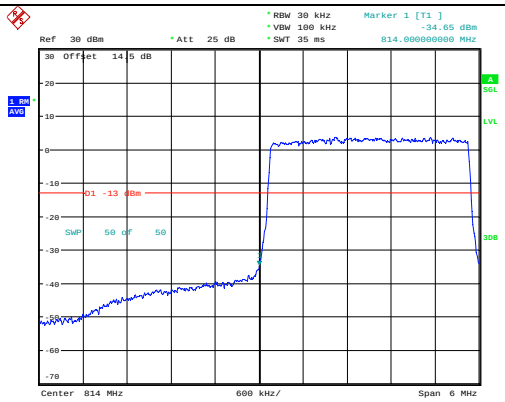
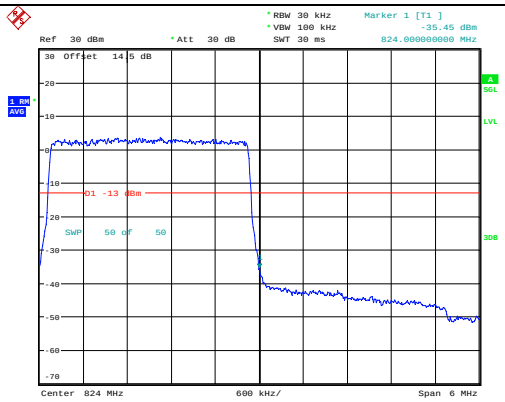
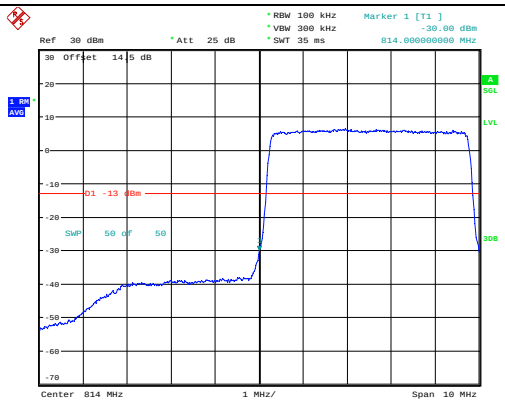
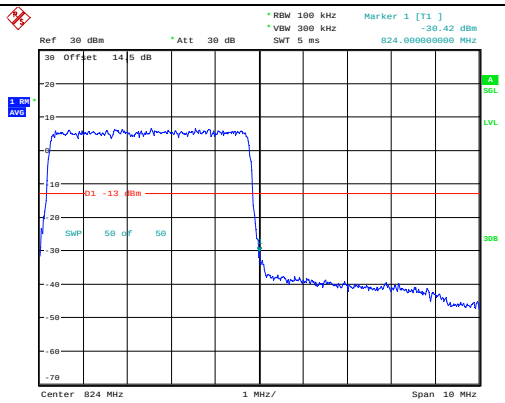
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:57:33	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:57:43
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:12:33	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:13:01
Highest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:11:11	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:11:36

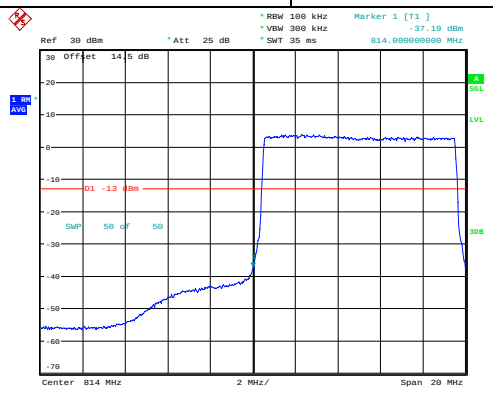
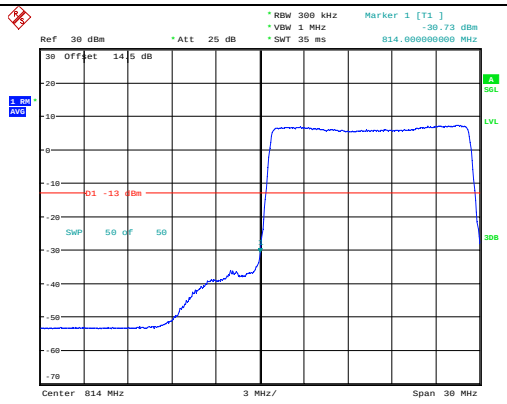
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:59:24	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 21:59:34
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:16:37	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:16:53
Highest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:15:10	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:15:47

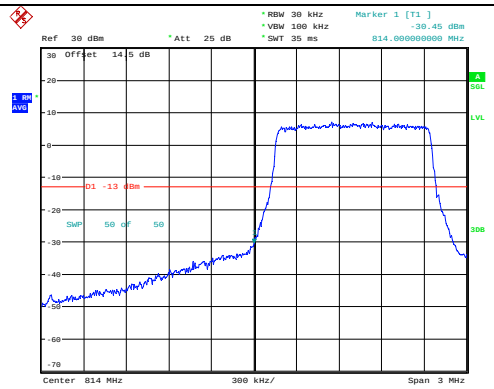
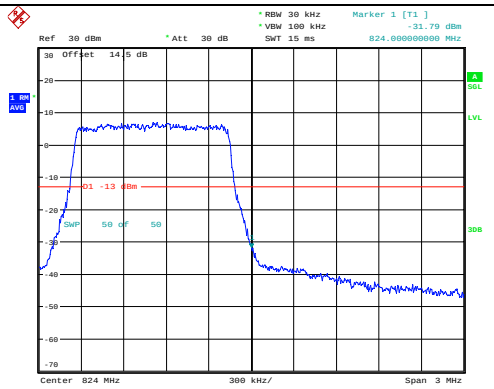
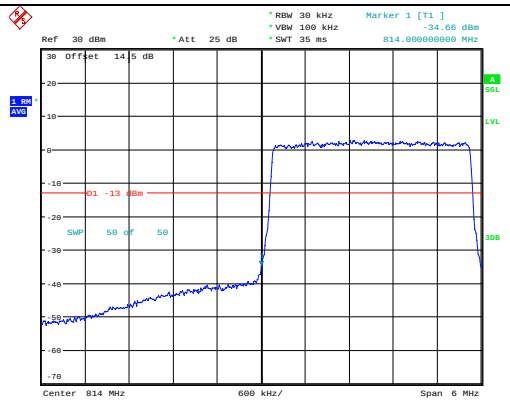
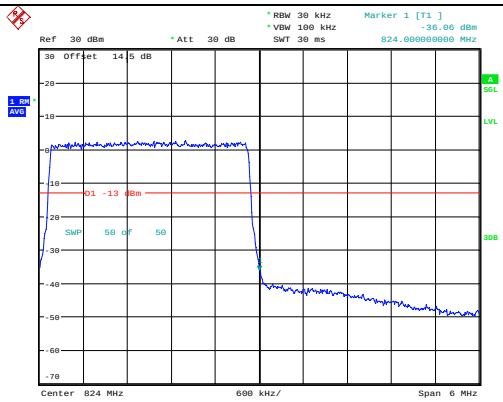
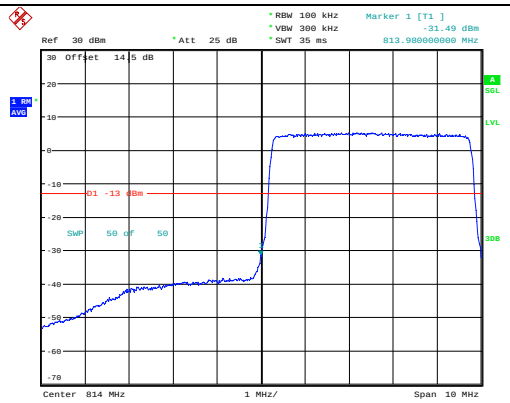
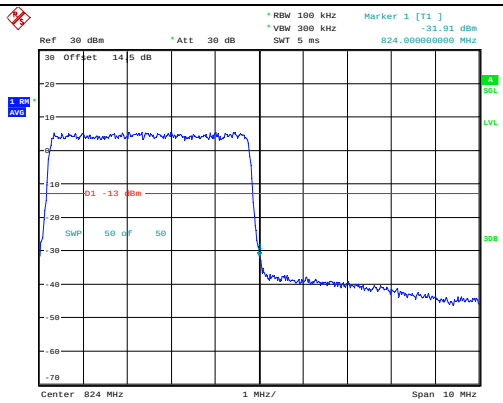
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:01:20	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:01:31
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:20:12	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:20:35
Highest	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:18:53	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:19:19

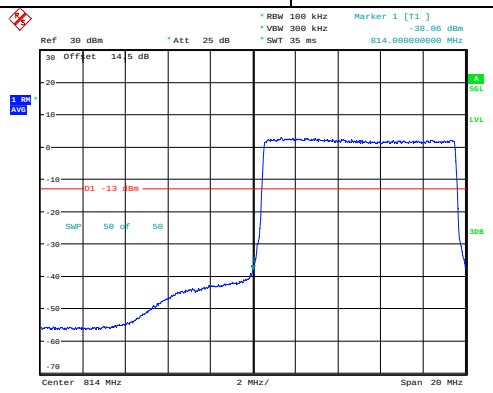
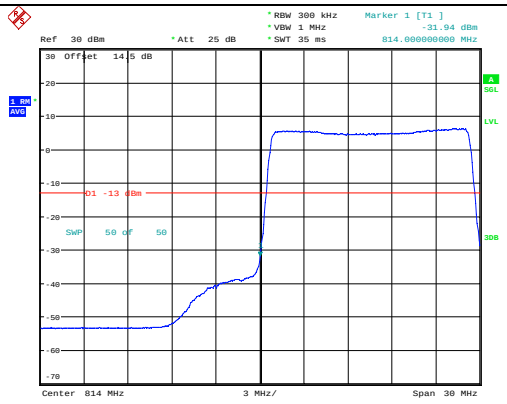
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:03:23	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:03:33
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:22:53	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:23:11

Channel	15MHz Bandwidth QPSK	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:05:27	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:05:38
Middle	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:25:45	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:26:10

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 1.4MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:37:25	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:54:46
QPSK 3MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:38:43	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:57:47
QPSK 5MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:40:12	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:00:34

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

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:37:35	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:55:26
16QAM 3MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:38:53	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 19:58:12
16QAM 5MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:40:22	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 26.OCT.2023 20:00:58

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

4.14 Antenna Port Test Data and Results for LTE Band 38

Serial Number:	2B7S-2	Test Date:	2023/10/17~2023/10/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su/Claire Liu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.2~26.3	Relative Humidity: (%)	52~60	ATM Pressure: (kPa)	100.9~101.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	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	2023/9/28	2024/9/27
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	2572.5	2595	2617.5
10MHz	2575	2595	2615
15MHz	2577.5	2595	2612.5
20MHz	2580	2595	2610

Test Data:

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	19.88	19.86	20.06	20.45	33
	RB1#13	19.99	20.01	20.19		
	RB1#24	19.88	19.91	20.07		
	RB15#0	18.86	18.87	19.08		
	RB15#10	18.89	18.96	19.12		
	RB25#0	18.87	18.92	19.11		
5MHz 16QAM	RB1#0	19.15	18.84	19.12	19.5	33
	RB1#13	19.22	19.01	19.24		
	RB1#24	19.08	18.91	19.12		
	RB15#0	17.92	17.81	18.11		
	RB15#10	17.92	17.9	18.12		
	RB25#0	17.88	17.92	18.16		
10MHz QPSK	RB1#0	20.04	19.98	20.06	20.74	33
	RB1#25	20.27	20.48	20.39		
	RB1#49	19.97	20.02	20.18		
	RB25#0	19.08	18.92	19.04		
	RB25#25	19.15	19.07	19.16		
	RB50#0	19.25	19.06	19.08		
10MHz 16QAM	RB1#0	19.06	19.06	19.29	19.86	33
	RB1#25	19.41	19.38	19.6		
	RB1#49	18.95	19.12	19.38		
	RB25#0	18.43	17.93	18.04		
	RB25#25	18.46	18.35	18.16		
	RB50#0	18.4	18.29	18.13		
15MHz QPSK	RB1#0	18.66	19.56	19.69	20.11	33
	RB1#38	19.51	19.75	19.85		
	RB1#74	19.51	19.66	19.74		
	RB36#0	18.55	18.62	18.82		
	RB36#39	18.56	18.69	18.88		
	RB75#0	18.55	18.67	18.8		
15MHz 16QAM	RB1#0	18.4	18.74	18.87	19.26	33
	RB1#38	18.55	18.94	19		
	RB1#74	18.45	18.85	18.95		
	RB36#0	17.46	17.64	17.77		
	RB36#39	17.47	17.73	17.81		
	RB75#0	17.53	17.65	17.75		
20MHz QPSK	RB1#0	18.42	19.2	19.2	20.02	33
	RB1#50	19.55	19.76	19.71		
	RB1#99	19.15	19.36	19.25		

	RB50#0	18.28	18.37	18.42		
	RB50#50	18.34	18.45	18.51		
	RB100#0	18.34	18.39	18.46		
20MHz 16QAM	RB1#0	18.03	18.39	18.27	19.23	33
	RB1#50	18.57	18.97	18.78		
	RB1#99	18.1	18.53	18.34		
	RB50#0	17.35	17.35	17.38		
	RB50#50	17.38	17.42	17.49		
	RB100#0	17.32	17.38	17.44		
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	7.65	7.36	7.49	13
	RB100#0	7.31	7.44	7.54	13
20MHz 16QAM	RB1#0	7.13	7.36	7.58	13
	RB100#0	7.14	7.32	7.35	13
				Result:	**Pass**

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	4.5	4.5	4.52	4.88	4.9	4.86
5MHz 16QAM	4.5	4.5	4.5	4.88	4.9	5.06
10MHz QPSK	8.96	9	8.96	9.68	9.68	9.6
10MHz 16QAM	8.96	8.96	8.96	9.68	9.4	9.52
15MHz QPSK	13.5	13.5	13.5	14.76	14.58	15.18
15MHz 16QAM	13.5	13.56	13.5	15.84	15.48	14.88
20MHz QPSK	18	17.92	18	19.6	19.28	19.68
20MHz 16QAM	18	18	18	19.44	19.12	19.68
Note: The test plots please refer to the Plots of Occupied Bandwidth						

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

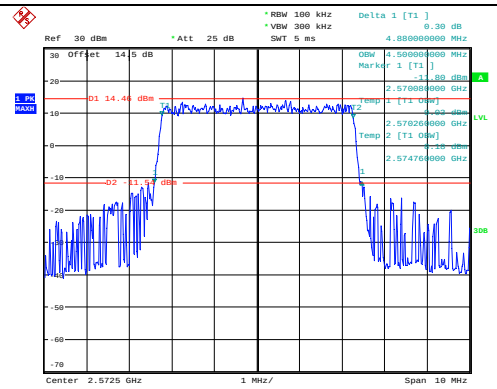
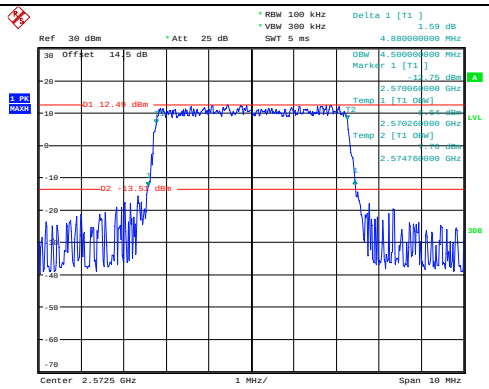
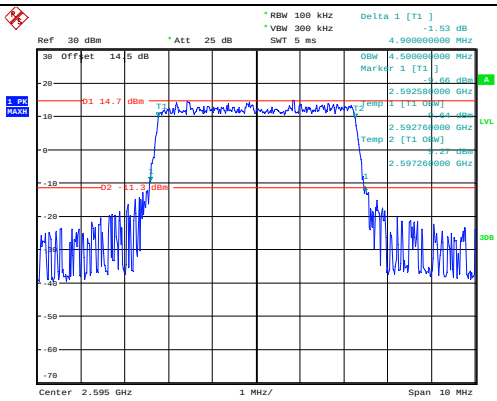
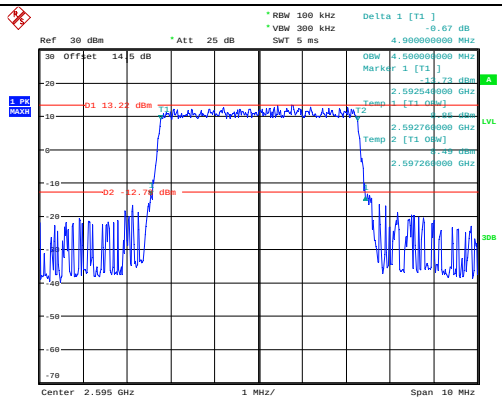
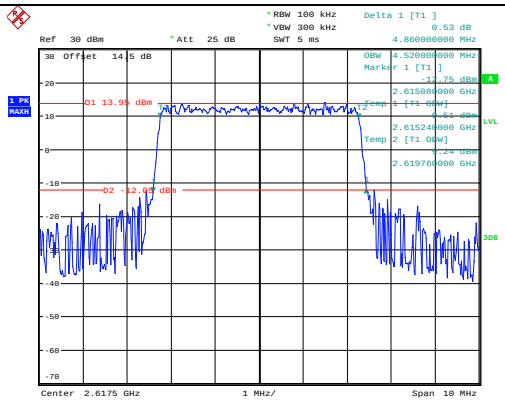
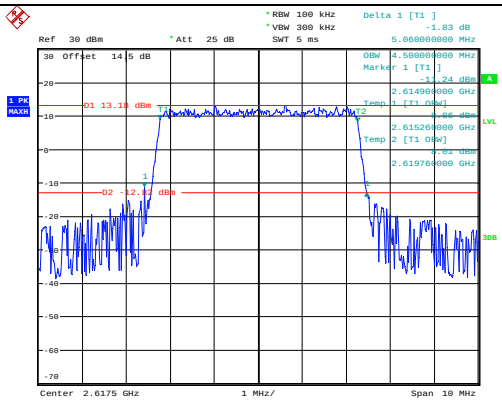
Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

Frequency Stability		
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge

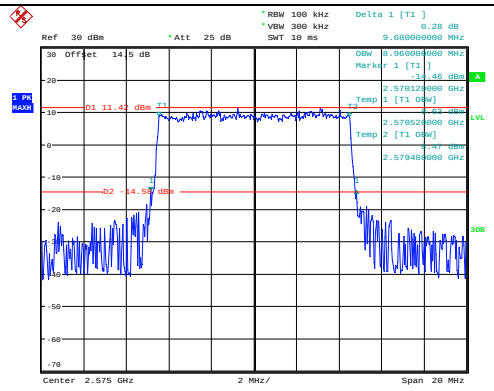
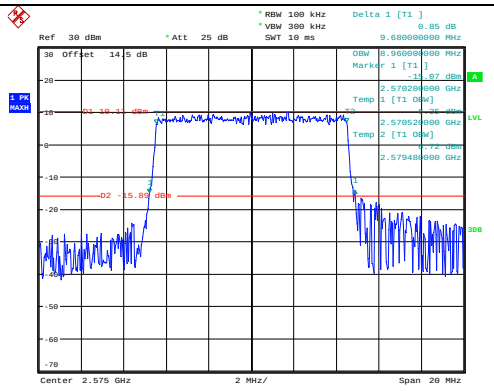
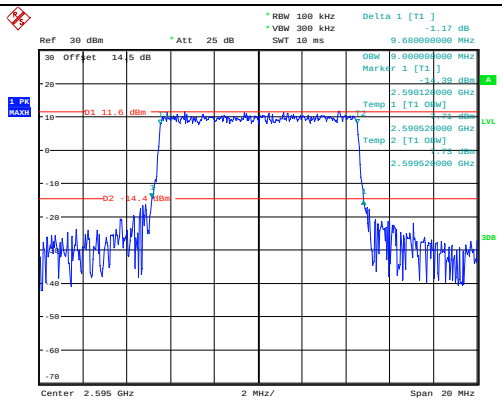
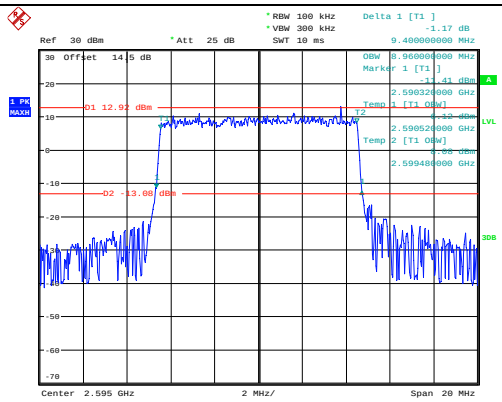
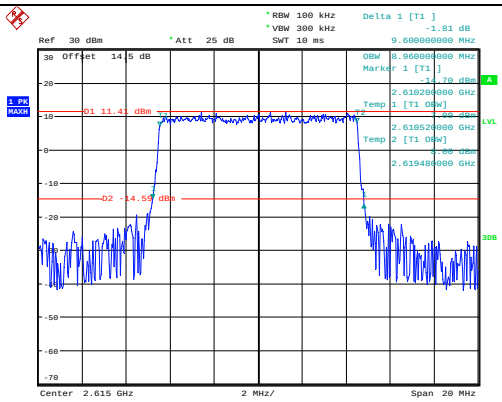
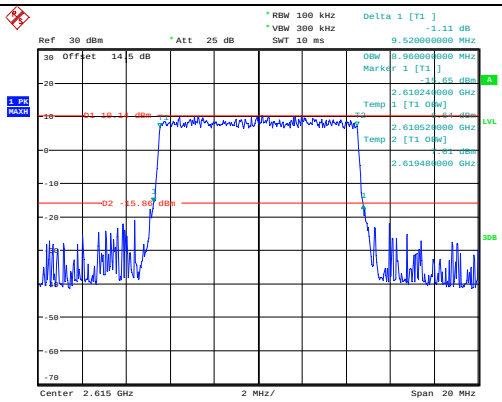
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2571.029	2570.00	2619.046	2620
	-20	3.85	2571.015	2570.00	2619.048	2620
	-10	3.85	2571.034	2570.00	2619.068	2620
	0	3.85	2571.018	2570.00	2619.064	2620
	10	3.85	2571.025	2570.00	2619.055	2620
	20	3.85	2571.040	2570.00	2619.040	2620
	30	3.85	2571.022	2570.00	2619.042	2620
	40	3.85	2571.028	2570.00	2619.069	2620
	50	3.85	2571.036	2570.00	2619.045	2620
Frequency Stability vs. Voltage	20	3.4	2571.026	2570.00	2619.047	2620
	20	4.4	2571.037	2570.00	2619.053	2620
					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	2571.036	2570.00	2619.043	2620
	-20	3.85	2571.014	2570.00	2619.048	2620
	-10	3.85	2571.024	2570.00	2619.054	2620
	0	3.85	2571.014	2570.00	2619.060	2620
	10	3.85	2571.034	2570.00	2619.055	2620
	20	3.85	2571.040	2570.00	2619.040	2620
	30	3.85	2571.020	2570.00	2619.056	2620
	40	3.85	2571.021	2570.00	2619.059	2620
	50	3.85	2571.015	2570.00	2619.067	2620
Frequency Stability vs. Voltage	20	3.4	2571.015	2570.00	2619.047	2620
	20	4.4	2571.026	2570.00	2619.045	2620
					Result:	**Pass**

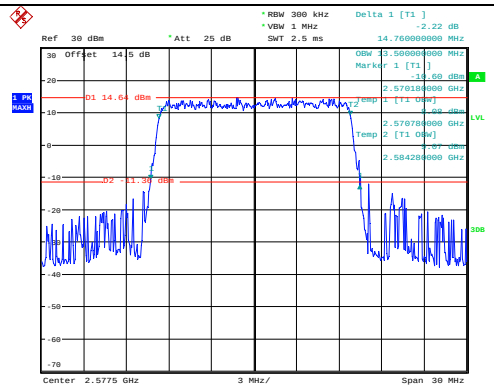
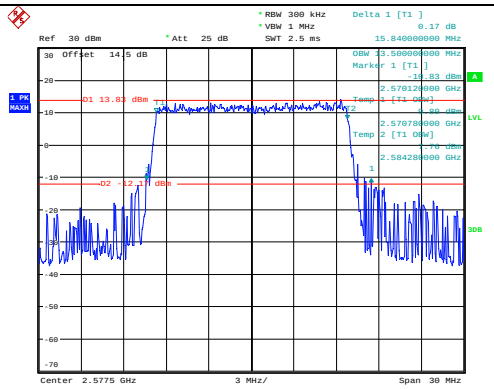
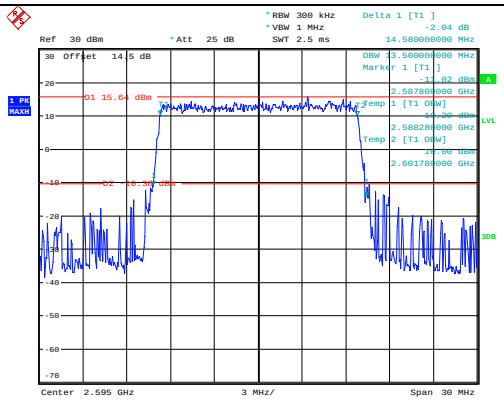
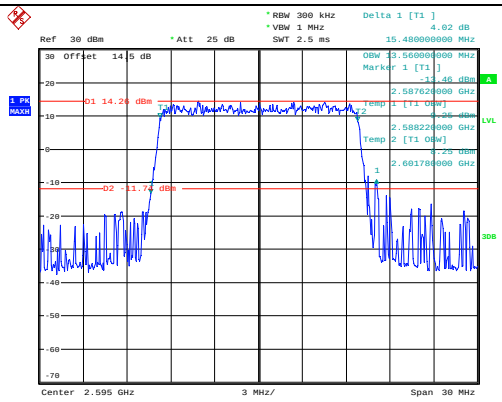
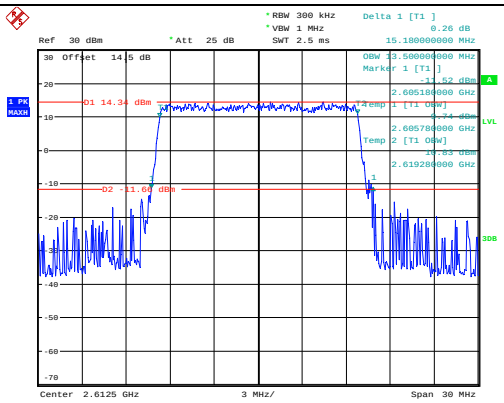
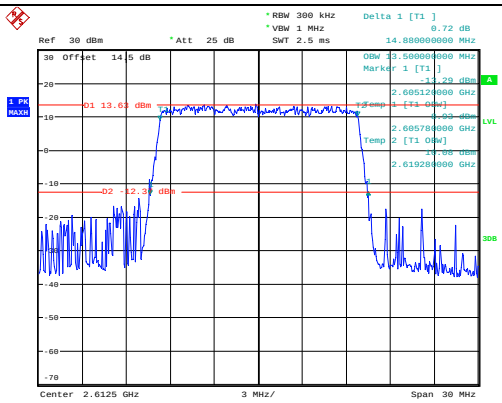
Test Plots(Note: The 14.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

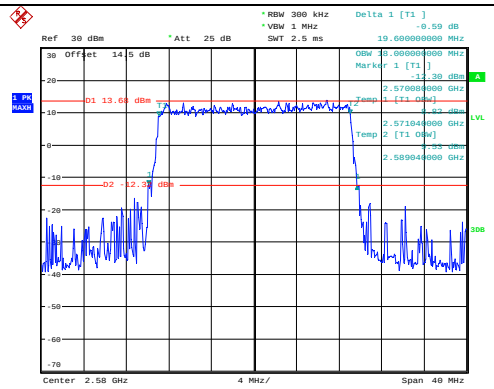
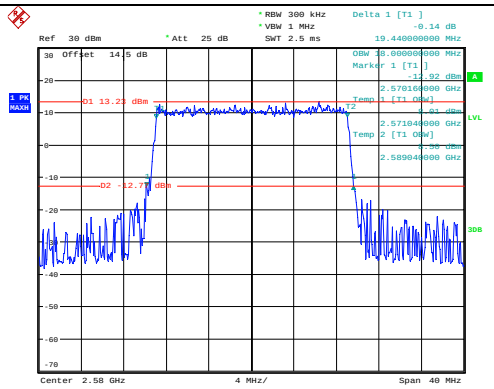
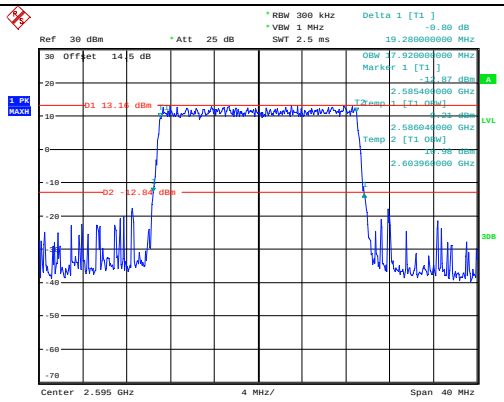
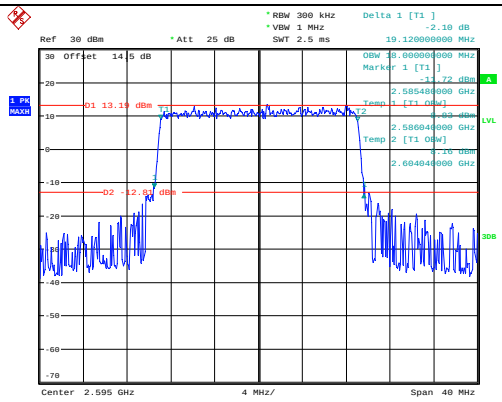
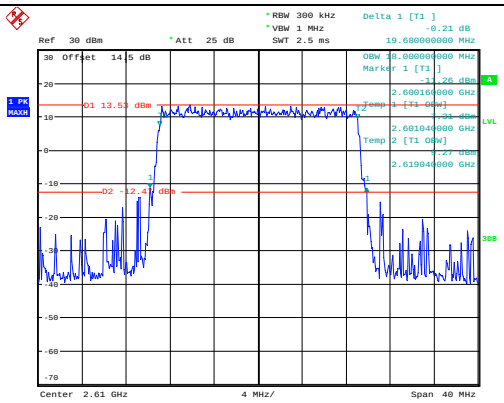
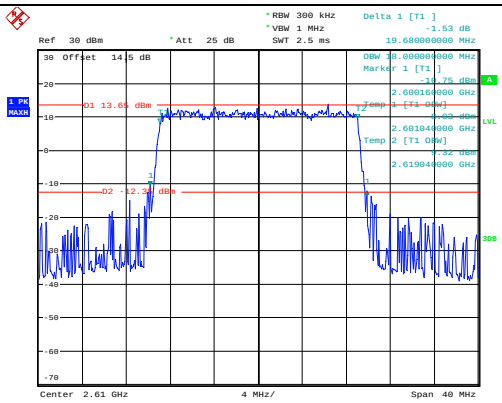
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

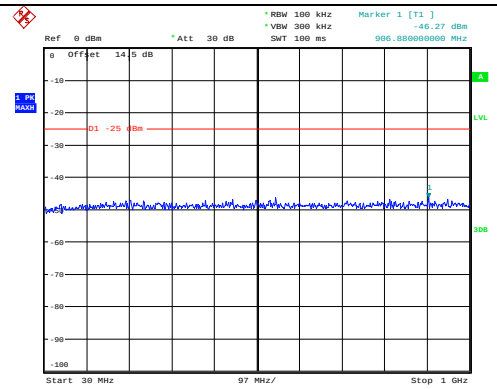
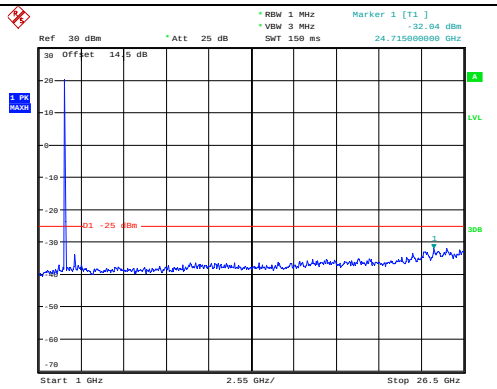
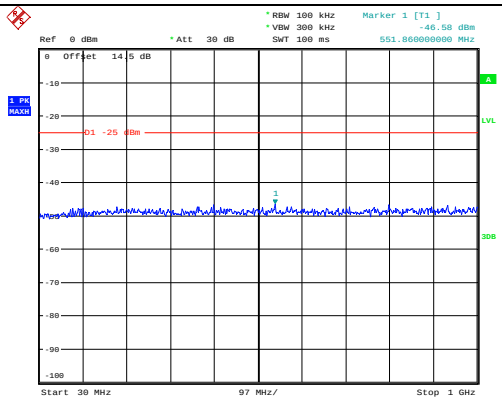
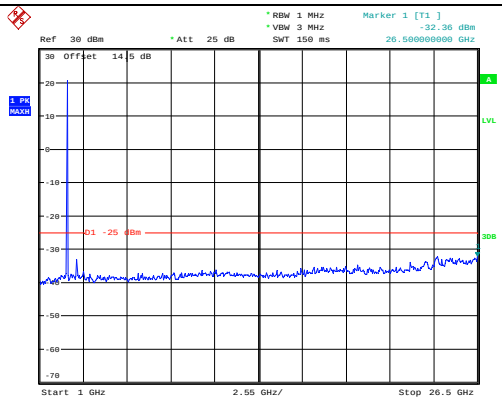
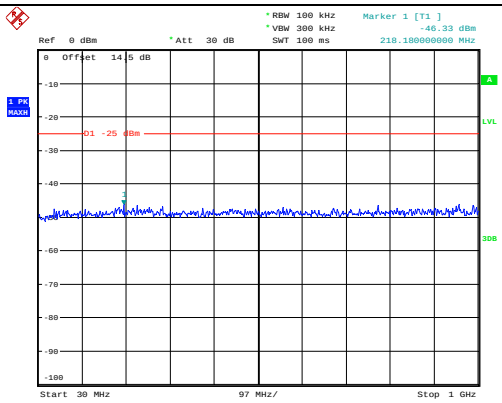
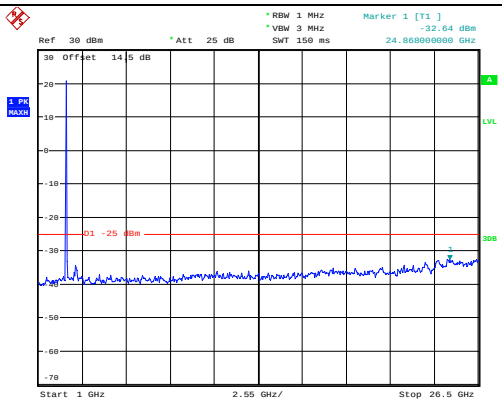
Occupied Bandwidth

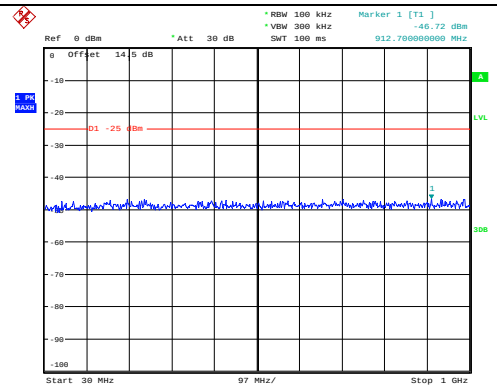
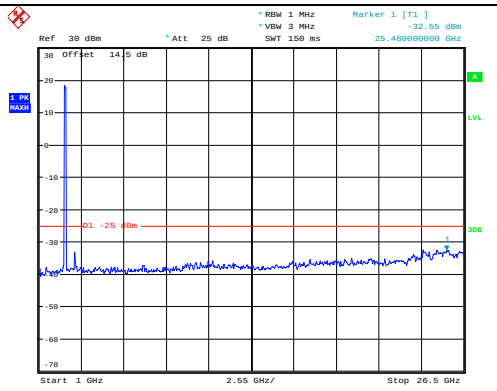
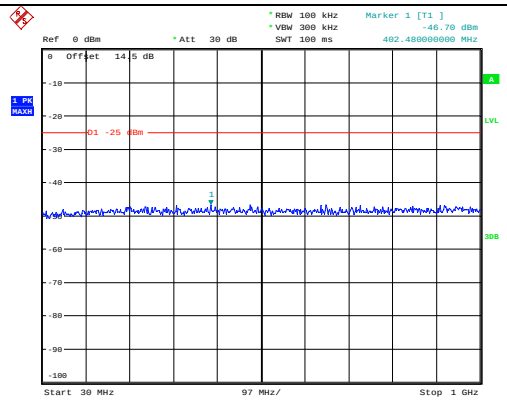
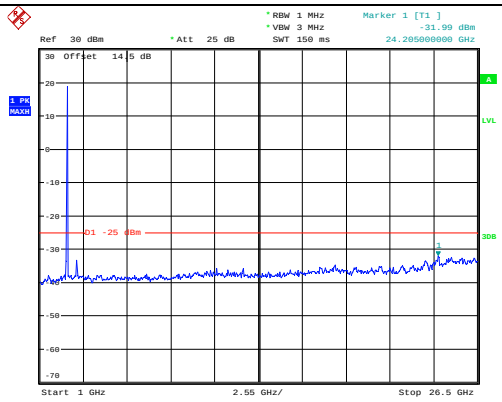
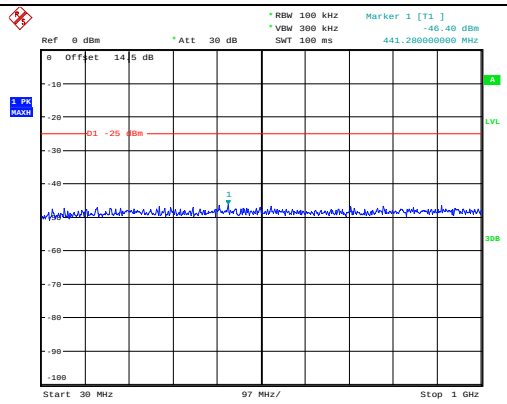
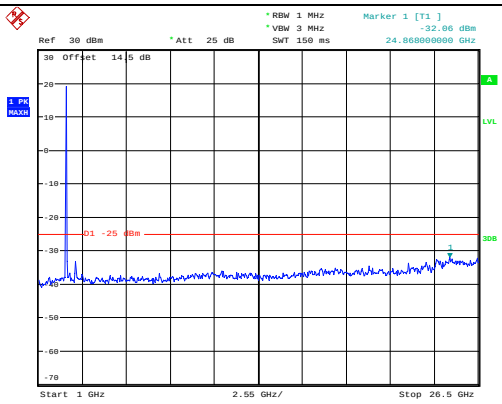
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:58:41	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 16:59:18
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:00:01	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:00:37
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:01:08	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:01:31

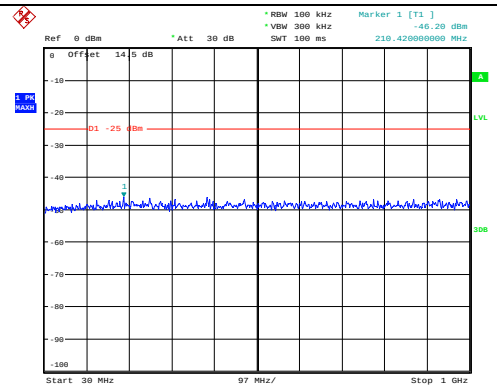
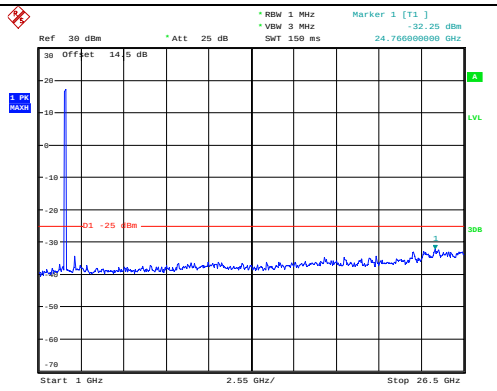
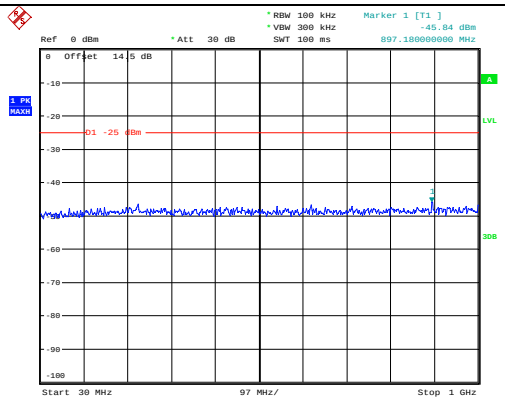
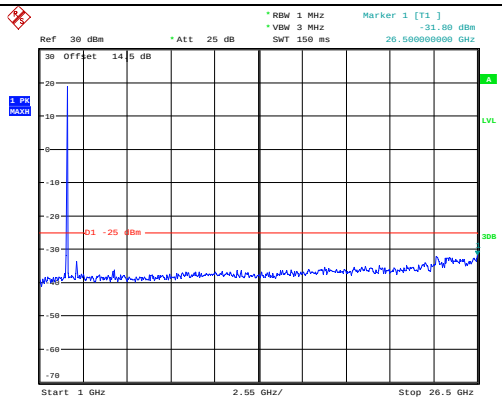
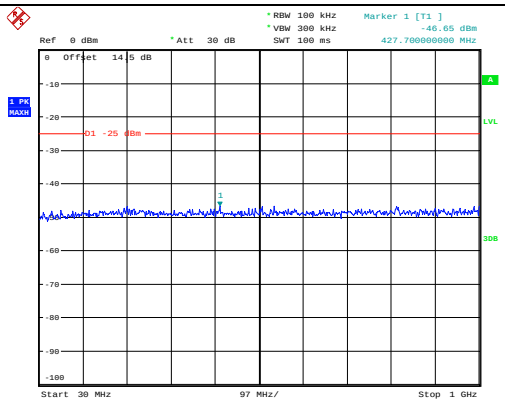
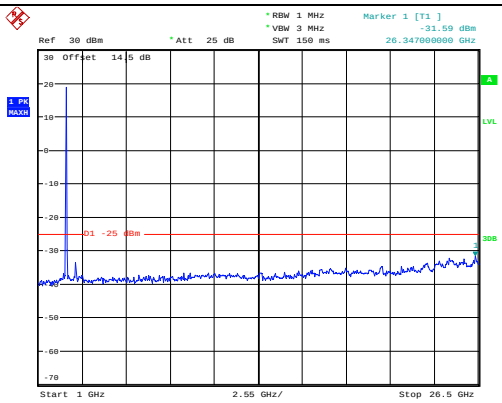
Occupied Bandwidth

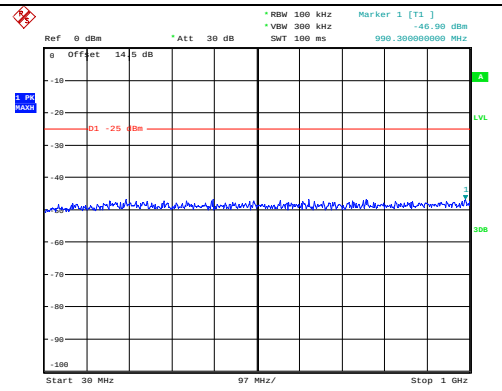
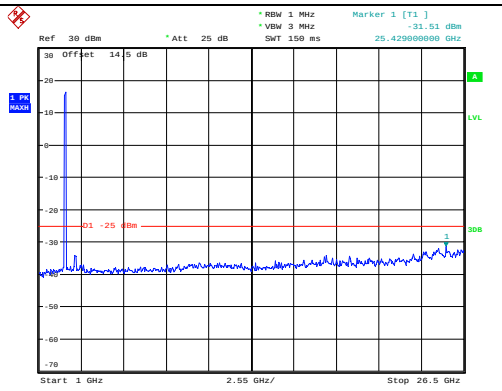
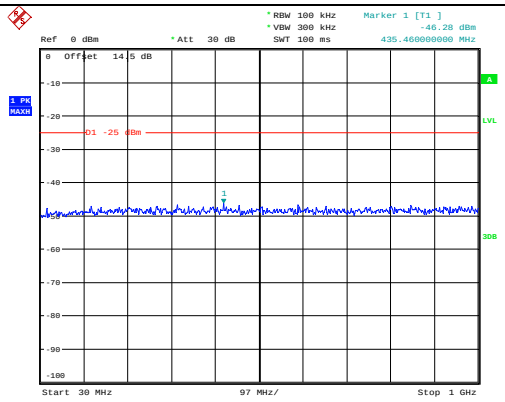
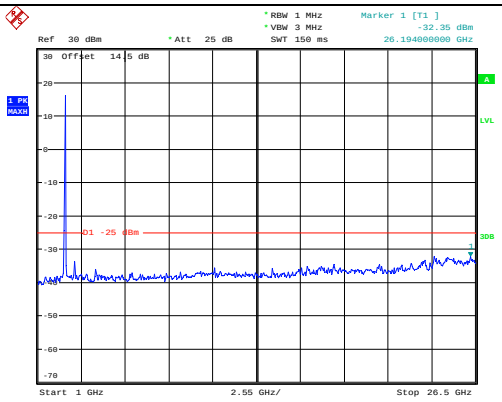
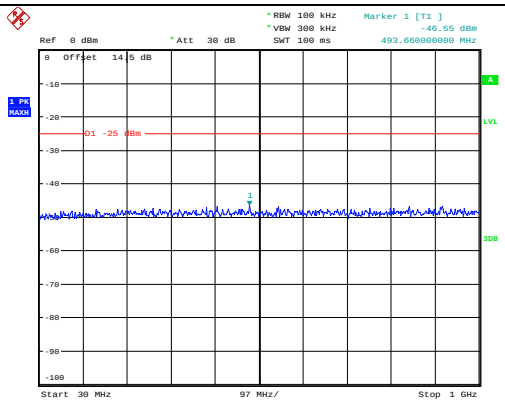
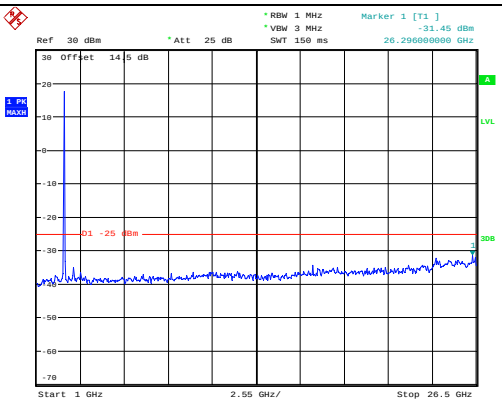
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:02:43	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:03:13
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:03:41	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:04:10
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:04:41	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:05:18

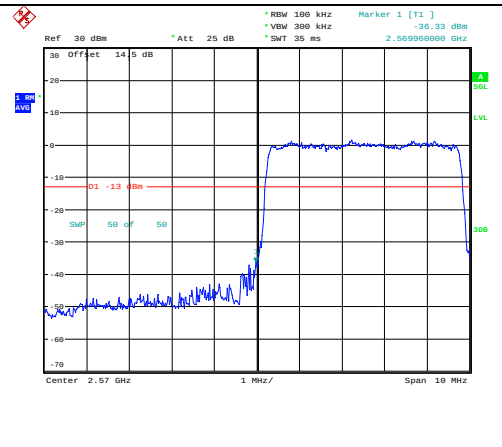
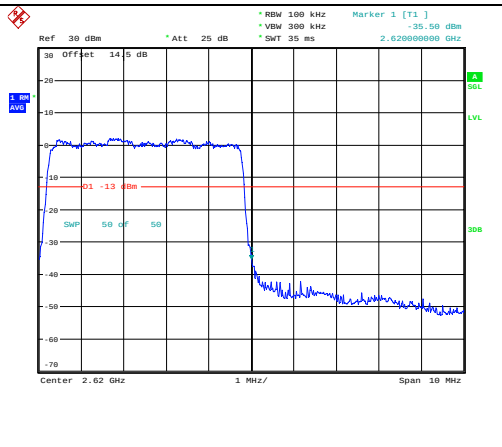
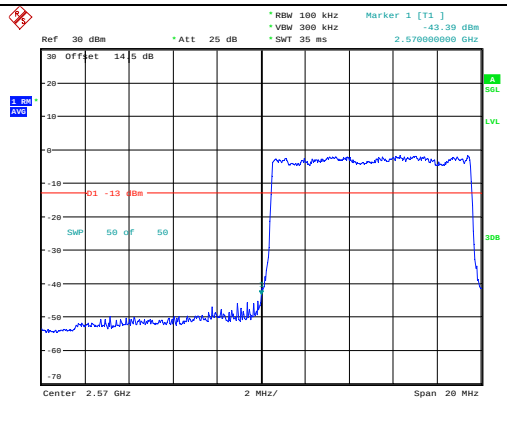
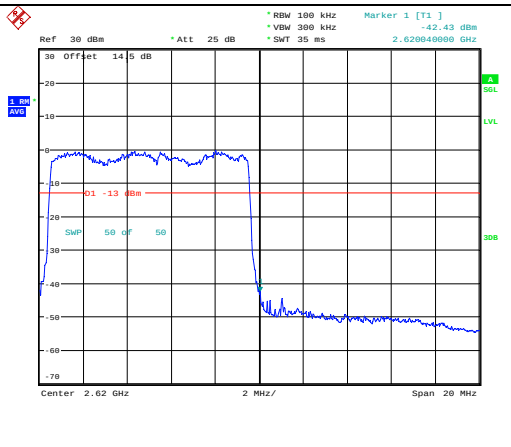
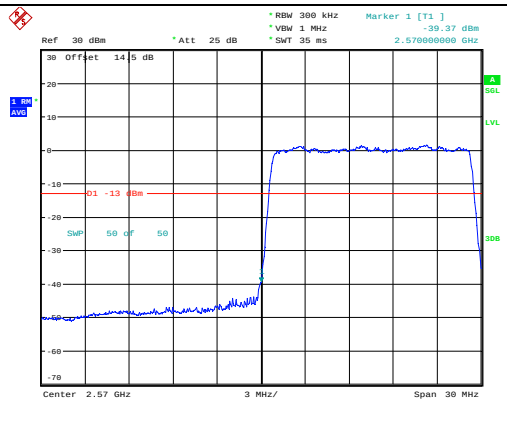
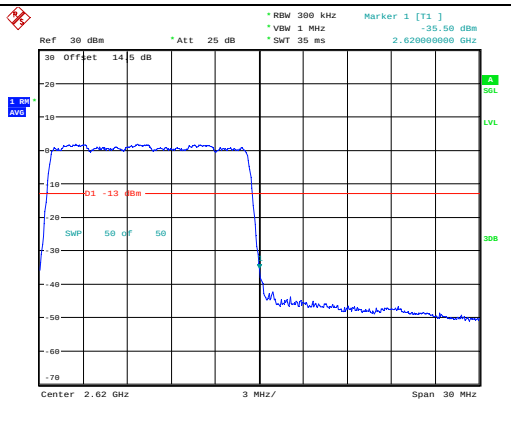
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:06:24	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:07:02
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:07:23	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:08:00
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:08:21	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:08:54

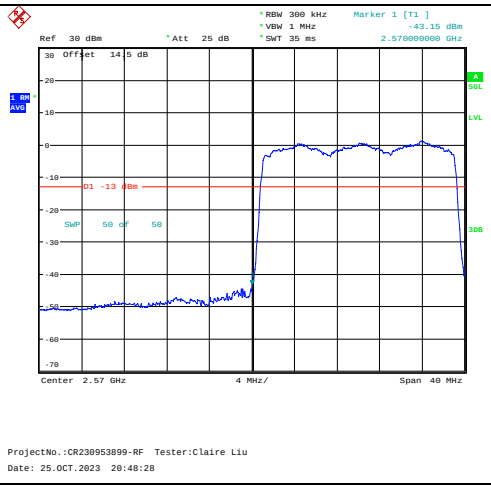
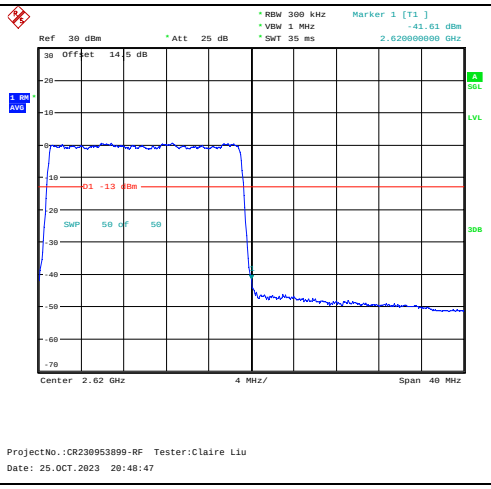
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:06:59	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:07:09
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:07:22	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:07:32
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:07:45	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:07:55

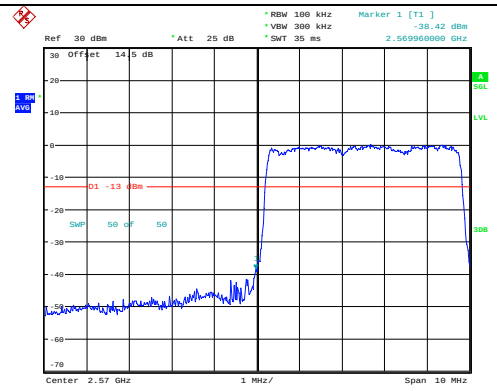
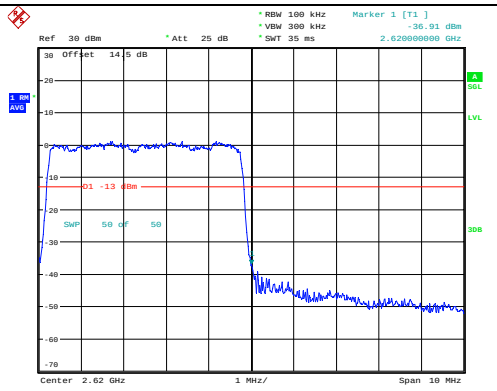
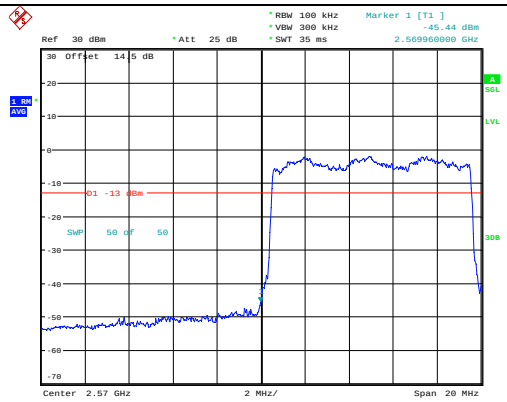
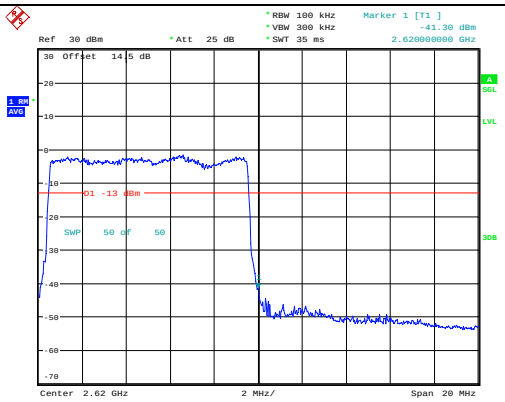
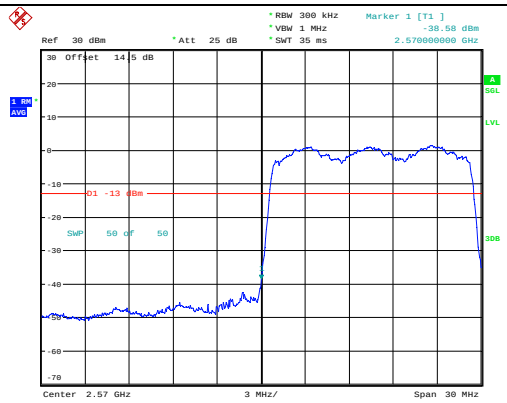
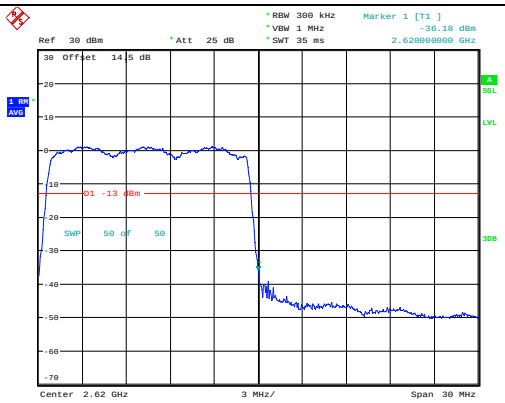
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:08:47	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:08:57
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:09:13	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:09:23
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:09:39	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:09:50

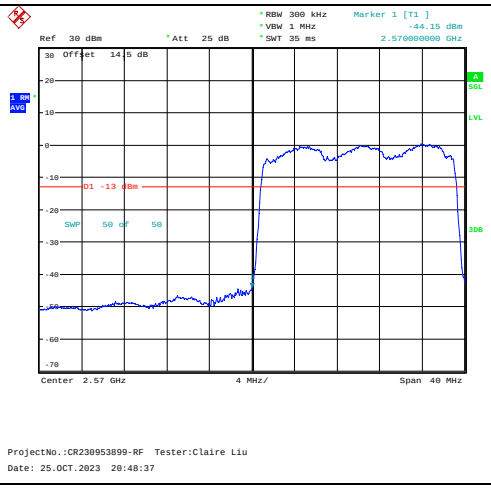
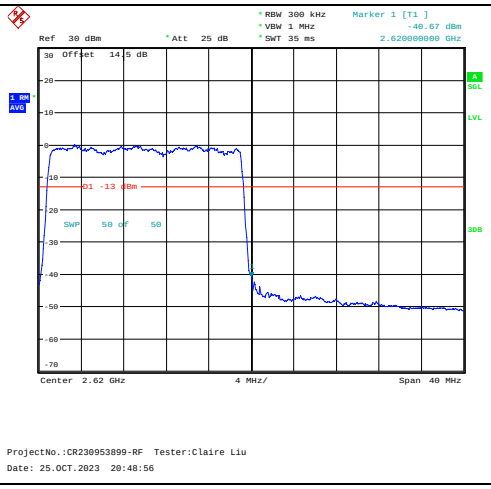
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:10:41	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:10:51
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:11:04	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:11:15
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:11:27	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:11:38

Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:12:29	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:12:40
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:12:56	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:13:06
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:13:19	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:13:29

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 10MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 5MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:44:34	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:44:56
16QAM 10MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:45:59	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:46:22
16QAM 15MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:47:20	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:47:39

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

4.15 Antenna Port Test Data and Results for LTE Band 41

Serial Number:	2B7S-2	Test Date:	2023/10/17~2023/10/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su/Claire Liu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.2~26.3	Relative Humidity: (%)	52~60	ATM Pressure: (kPa)	100.9~101.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	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	2023/9/28	2024/9/27
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	2537.5	2595	2652.5
10MHz	2540	2595	2650
15MHz	2542.5	2595	2647.5
20MHz	2545	2595	2645

Test Data:

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	20.78	20.43	21	21.43	33
	RB1#13	20.83	20.51	21.17		
	RB1#24	20.68	20.42	21.08		
	RB15#0	19.78	19.41	20.12		
	RB15#10	19.77	19.44	20.15		
	RB25#0	19.78	19.43	20.13		
5MHz 16QAM	RB1#0	19.83	19.61	20.03	20.48	33
	RB1#13	19.89	19.73	20.22		
	RB1#24	19.76	19.64	20.13		
	RB15#0	18.8	18.44	19.06		
	RB15#10	18.81	18.45	19.06		
	RB25#0	18.8	18.4	19.15		
10MHz QPSK	RB1#0	20.91	20.53	20.97	21.63	33
	RB1#25	21.07	20.8	21.37		
	RB1#49	20.76	20.53	21.15		
	RB25#0	19.77	19.43	20.15		
	RB25#25	19.84	19.49	20.2		
	RB50#0	19.78	19.47	20.13		
10MHz 16QAM	RB1#0	19.79	19.57	20.24	20.86	33
	RB1#25	20.01	19.88	20.6		
	RB1#49	19.65	19.6	20.39		
	RB25#0	18.81	18.44	19.14		
	RB25#25	18.86	18.55	19.2		
	RB50#0	18.8	18.49	19.16		
15MHz QPSK	RB1#0	20.8	20.37	20.86	21.39	33
	RB1#38	20.79	20.57	21.04		
	RB1#74	20.61	20.43	21.13		
	RB36#0	19.72	19.42	20.07		
	RB36#39	19.76	19.52	20.17		
	RB75#0	19.71	19.44	20.15		
15MHz 16QAM	RB1#0	19.69	19.59	20.09	20.58	33
	RB1#38	19.68	19.77	20.28		
	RB1#74	19.54	19.68	20.32		
	RB36#0	18.66	18.46	19.02		
	RB36#39	18.73	18.54	19.11		
	RB75#0	18.69	18.45	19.06		
20MHz QPSK	RB1#0	20.56	20.32	20.62	21.54	33
	RB1#50	20.93	20.83	21.28		
	RB1#99	20.35	20.38	20.95		
	RB50#0	19.62	19.41	20		

	RB50#50	19.72	19.51	20.1		
	RB100#0	19.69	19.46	20.03		
20MHz 16QAM	RB1#0	19.56	19.5	19.72	20.6	33
	RB1#50	19.92	20.03	20.34		
	RB1#99	19.35	19.59	20.02		
	RB50#0	18.65	18.43	18.97		
	RB50#50	18.81	18.52	19.13		
	RB100#0	18.68	18.47	19.03		
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	7.44	8.39	7.29	13
	RB100#0	8.14	7.81	7.52	13
20MHz 16QAM	RB1#0	7.08	7.9	7.15	13
	RB100#0	7.17	7.62	7.31	13
				Result:	**Pass**

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	4.52	4.5	4.5	4.88	4.98	4.94
5MHz 16QAM	4.5	4.5	4.52	4.88	4.98	5.04
10MHz QPSK	8.96	9	8.96	9.56	9.64	9.76
10MHz 16QAM	8.96	8.96	8.96	9.48	9.84	9.48
15MHz QPSK	13.5	13.44	13.5	14.64	14.76	14.52
15MHz 16QAM	13.5	13.5	13.56	15.24	15.42	15.36
20MHz QPSK	17.84	17.92	18.08	19.36	20	19.28
20MHz 16QAM	17.92	17.92	18	20.4	19.44	19.36
Note: The test plots please refer to the Plots of Occupied Bandwidth						

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

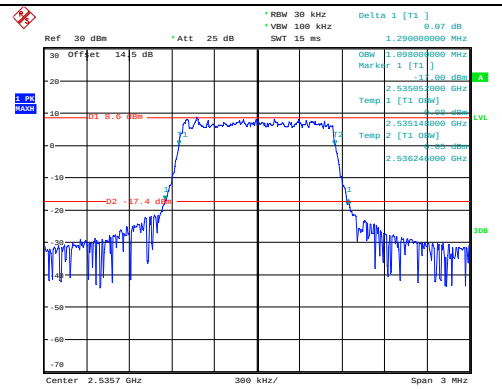
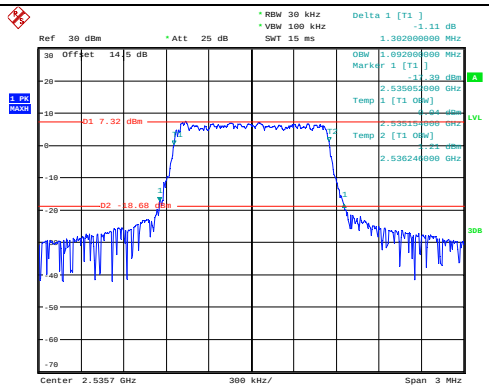
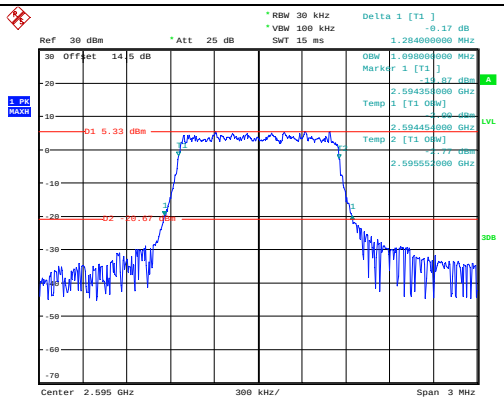
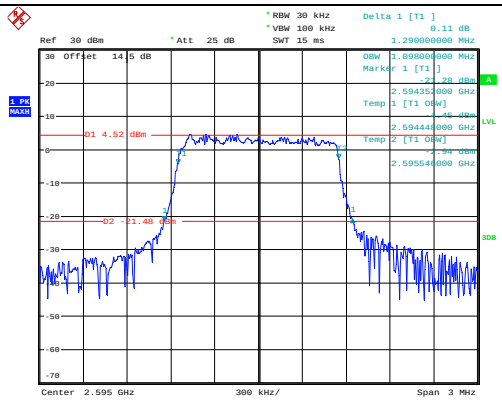
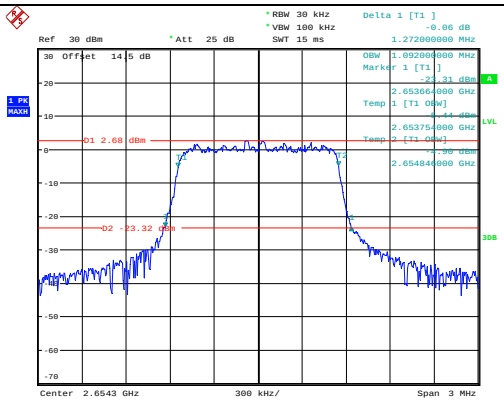
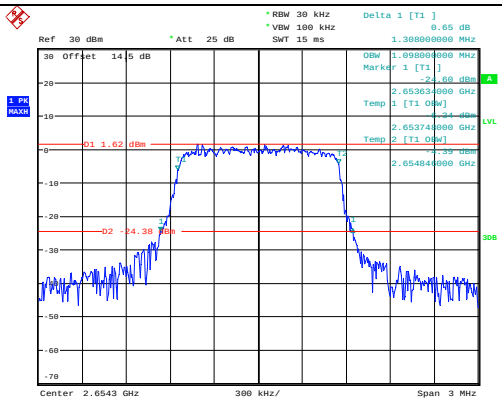
Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

Frequency Stability

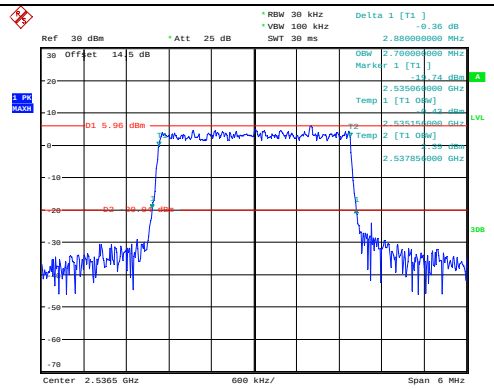
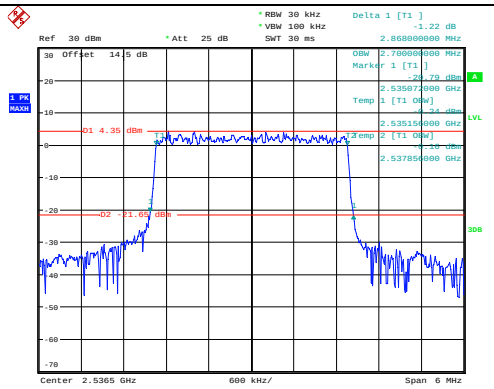
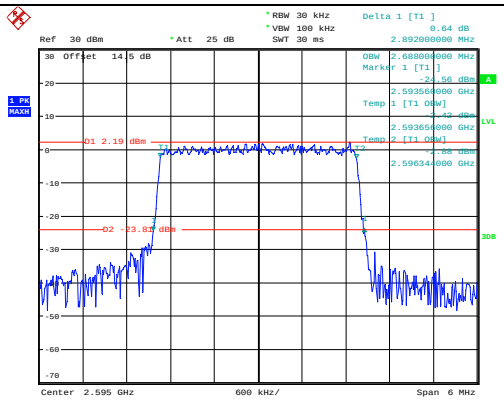
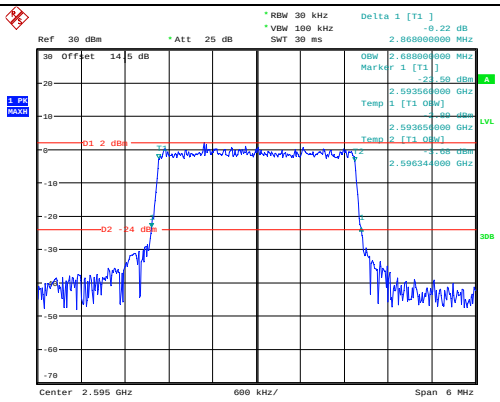
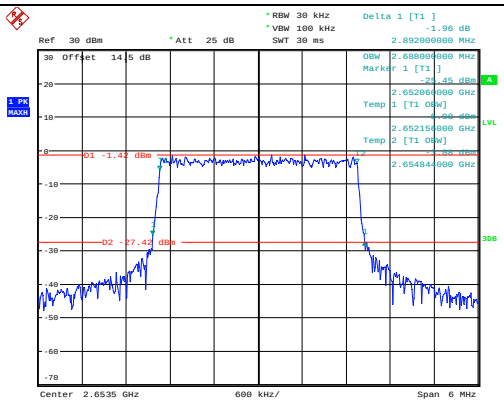
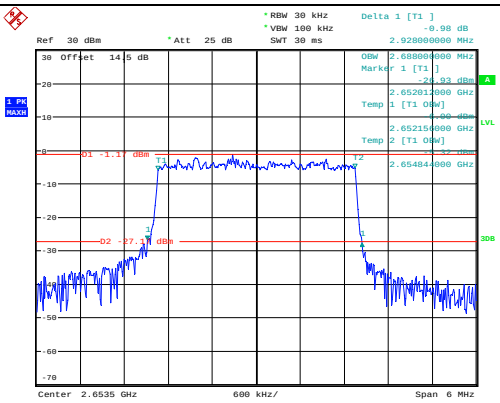
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2536.112	2535.00	2654.055	2655
	-20	3.85	2536.093	2535.00	2654.055	2655
	-10	3.85	2536.102	2535.00	2654.059	2655
	0	3.85	2536.104	2535.00	2654.066	2655
	10	3.85	2536.092	2535.00	2654.061	2655
	20	3.85	2536.120	2535.00	2654.040	2655
	30	3.85	2536.102	2535.00	2654.041	2655
	40	3.85	2536.112	2535.00	2654.043	2655
	50	3.85	2536.097	2535.00	2654.047	2655
Frequency Stability vs. Voltage	20	3.4	2536.106	2535.00	2654.041	2655
	20	4.4	2536.108	2535.00	2654.053	2655
					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	2536.030	2535.00	2654.061	2655
	-20	3.85	2536.023	2535.00	2654.056	2655
	-10	3.85	2536.034	2535.00	2654.060	2655
	0	3.85	2536.038	2535.00	2654.049	2655
	10	3.85	2536.030	2535.00	2654.054	2655
	20	3.85	2536.040	2535.00	2654.040	2655
	30	3.85	2536.037	2535.00	2654.062	2655
	40	3.85	2536.018	2535.00	2654.061	2655
	50	3.85	2536.029	2535.00	2654.059	2655
Frequency Stability vs. Voltage	20	3.4	2536.039	2535.00	2654.059	2655
	20	4.4	2536.025	2535.00	2654.055	2655
					Result:	**Pass**

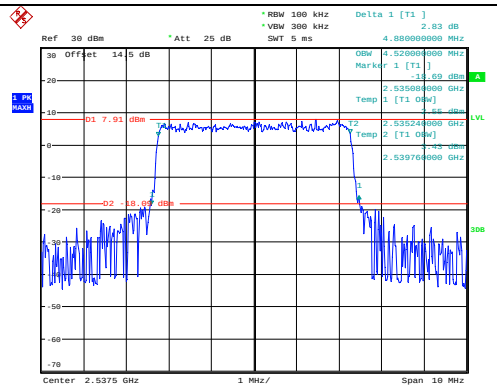
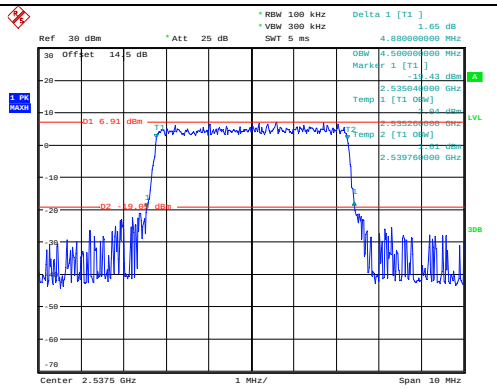
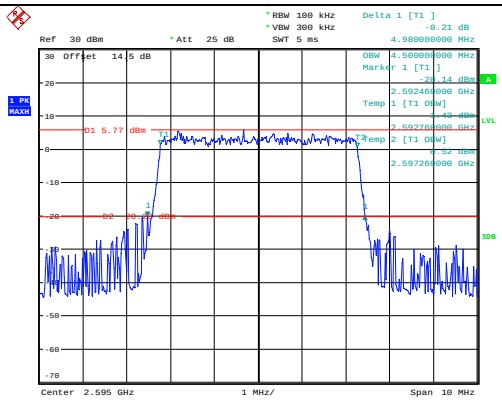
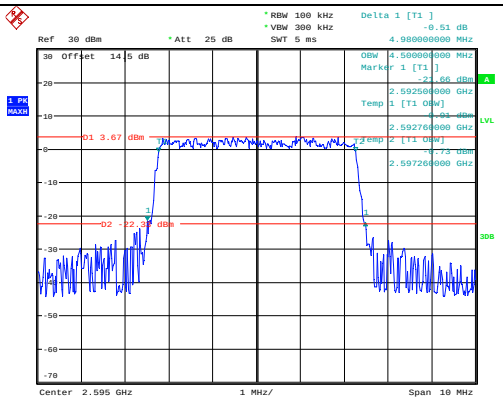
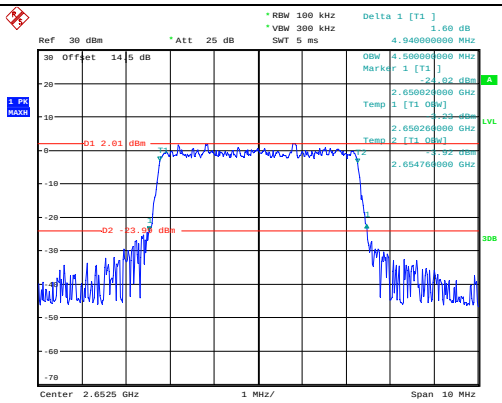
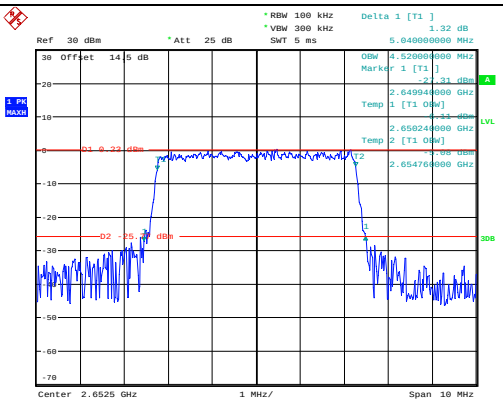
Test Plots(Note: The 14.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

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

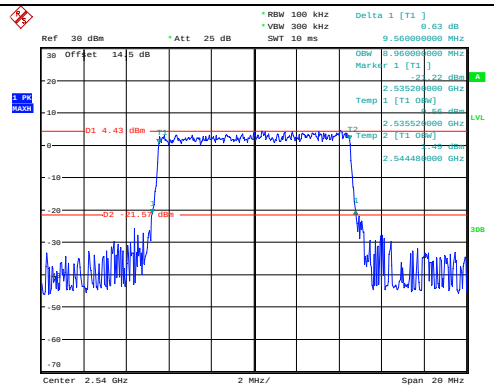
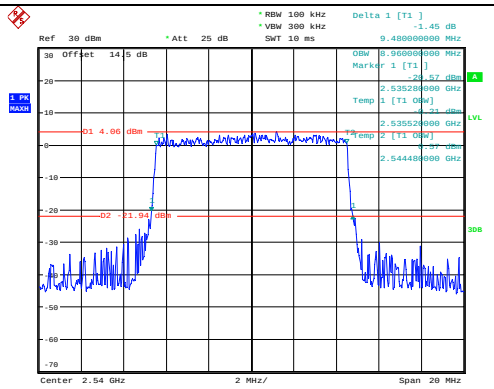
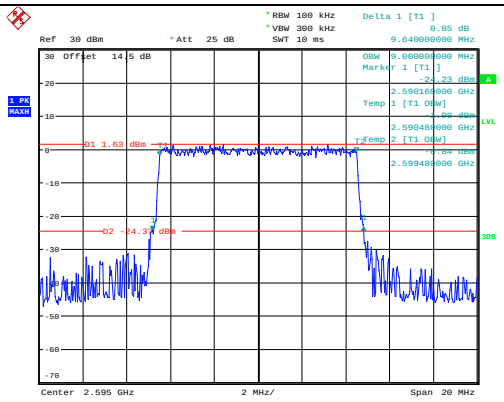
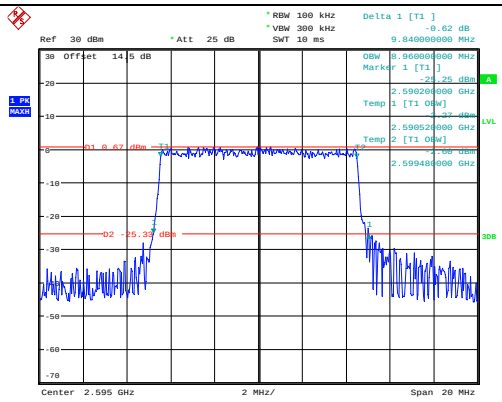
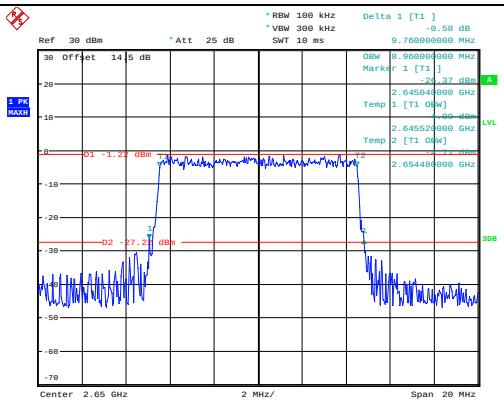
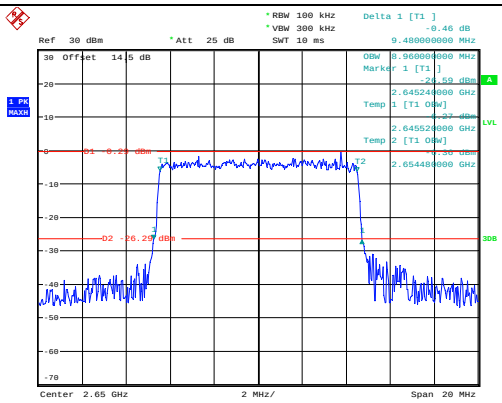
Occupied Bandwidth

Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:16:12	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:16:40
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:17:09	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:17:36
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:18:05	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:18:33

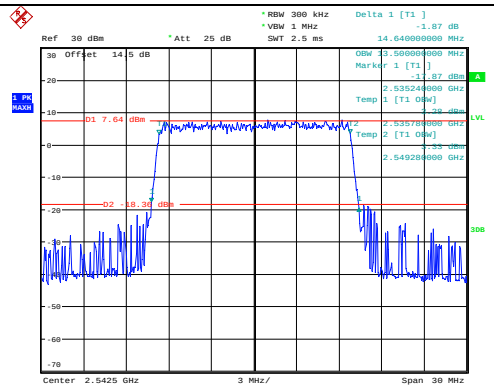
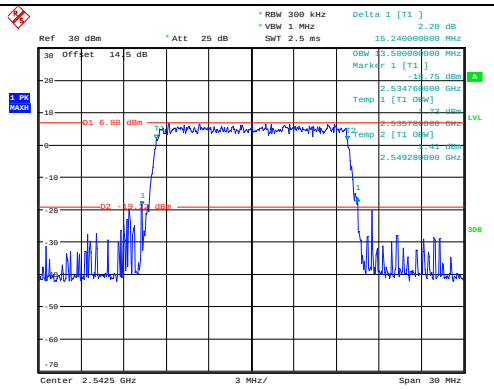
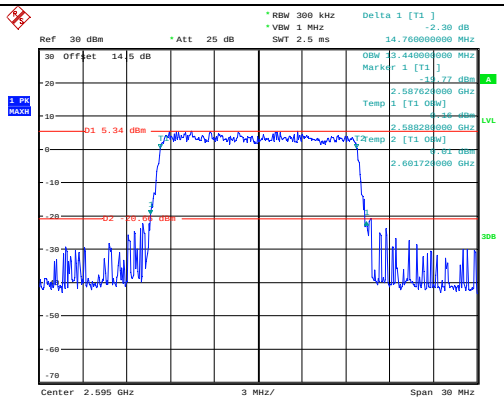
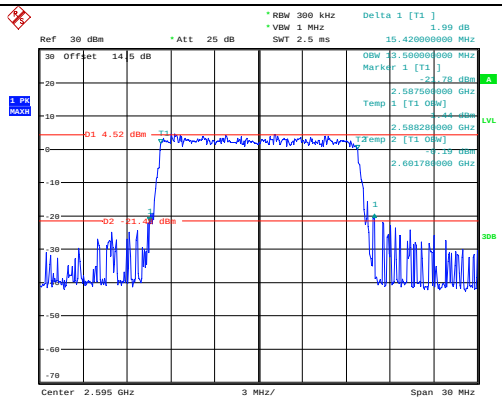
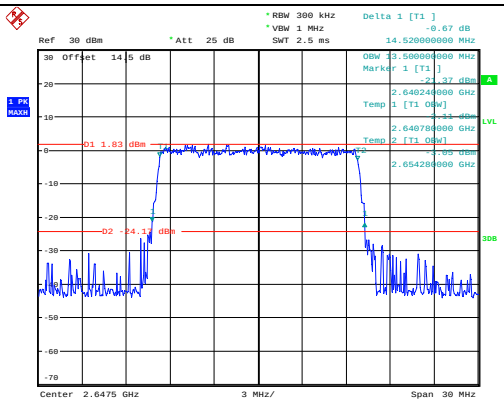
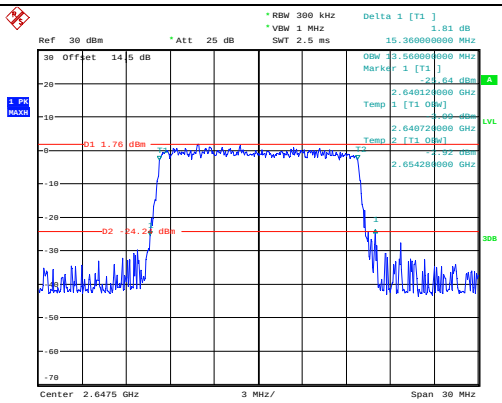
Occupied Bandwidth

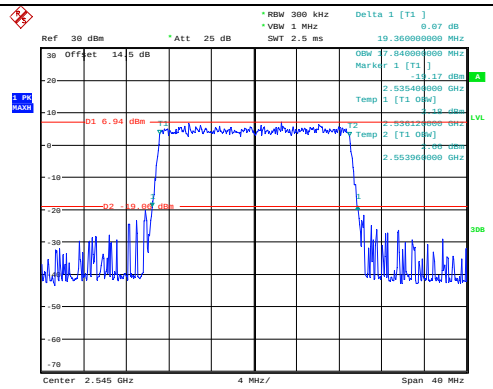
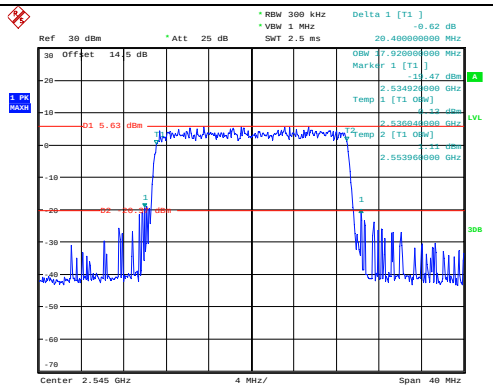
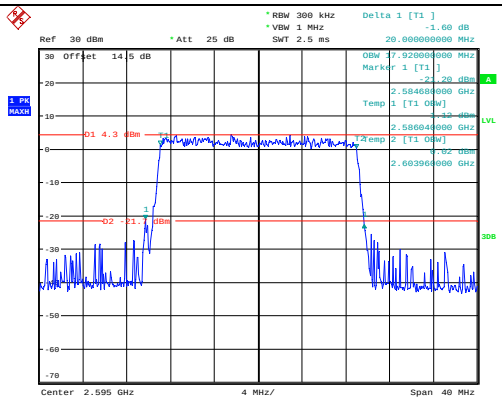
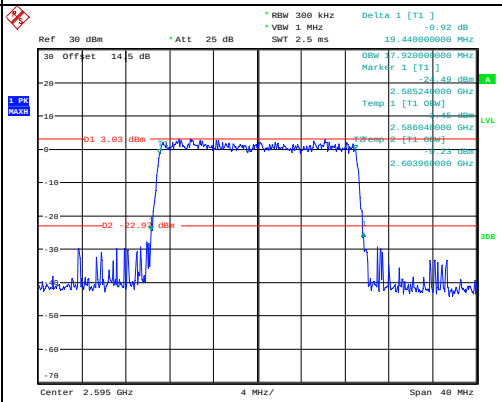
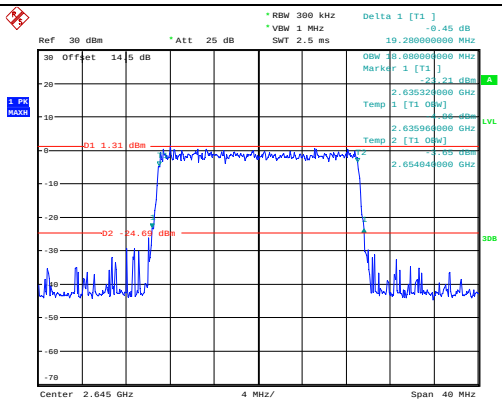
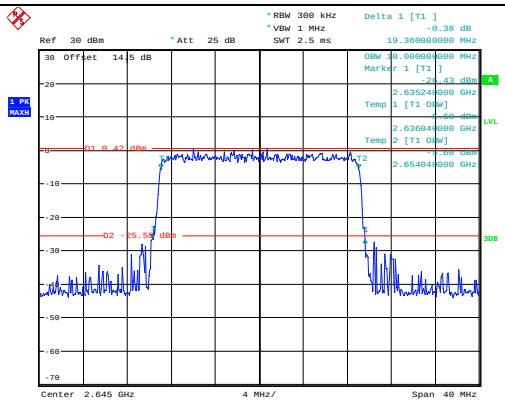
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:19:17	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:19:48
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:20:21	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:20:56
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:21:29	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:22:04

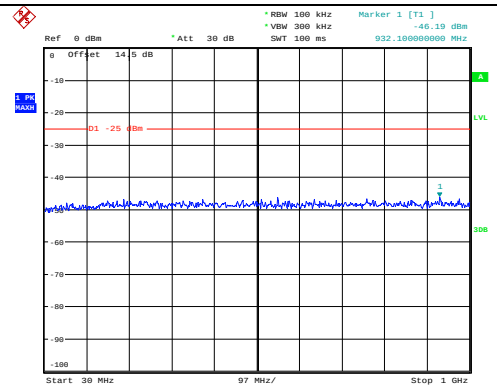
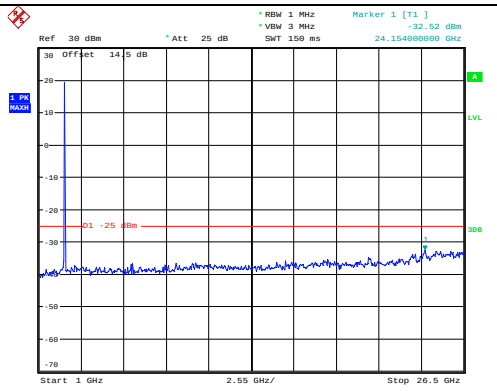
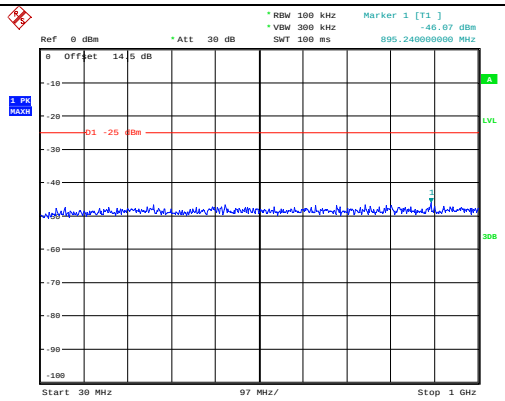
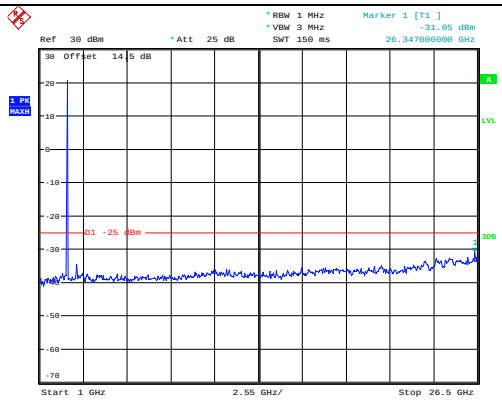
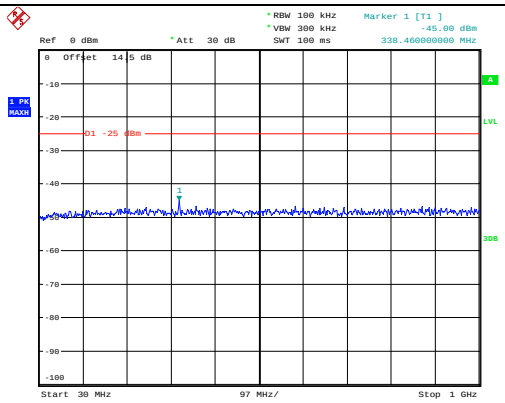
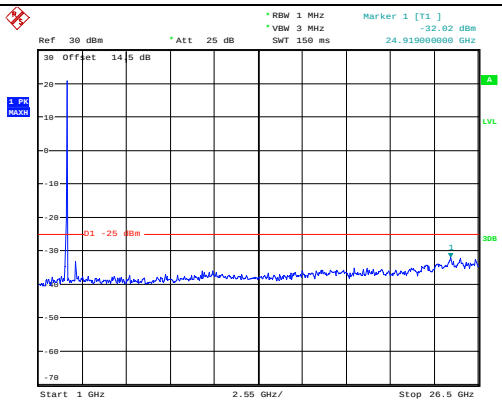
Occupied Bandwidth

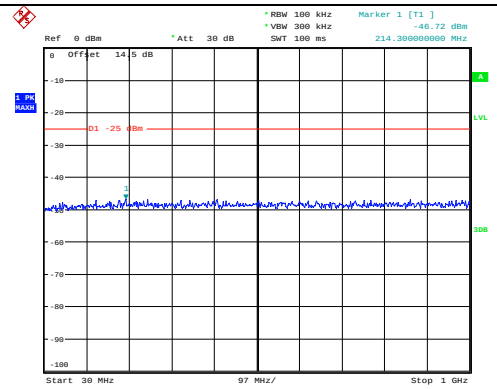
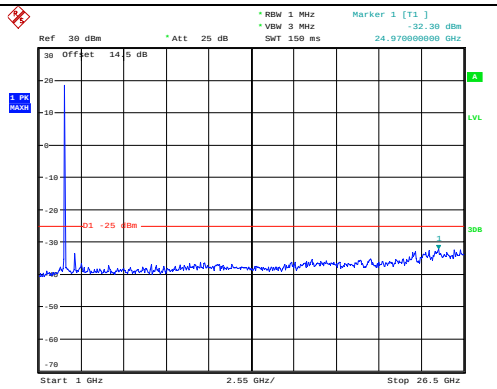
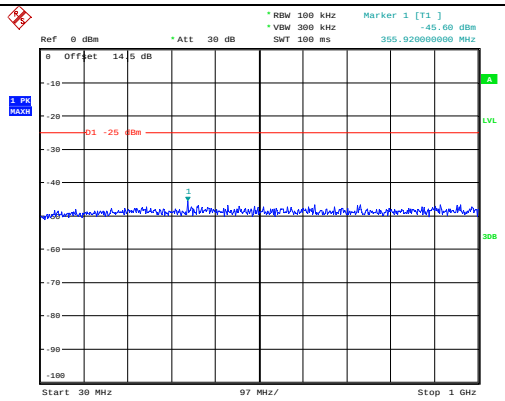
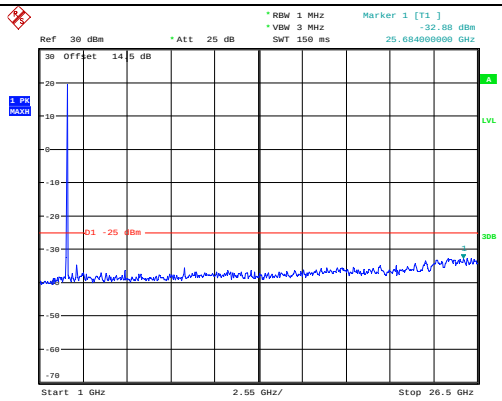
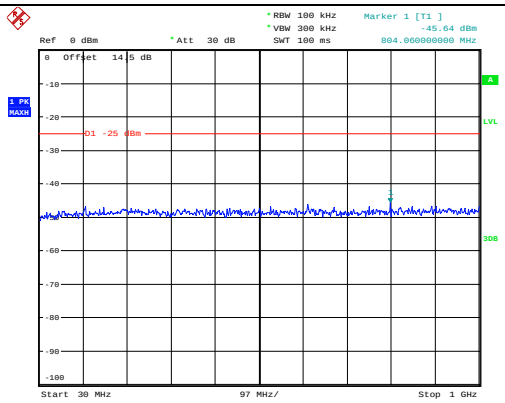
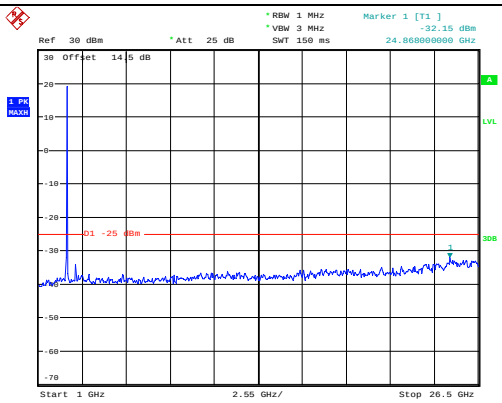
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:22:38	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:23:11
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:23:37	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:24:16
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:24:47	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:25:19

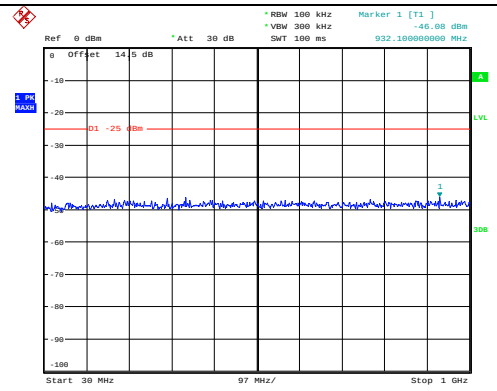
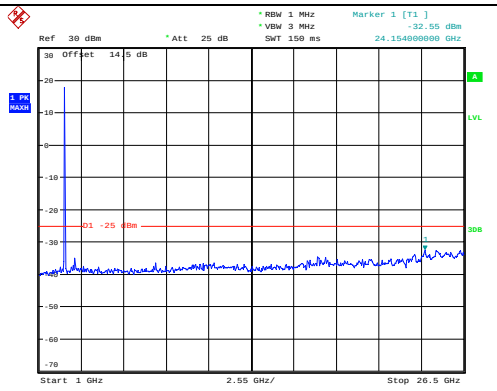
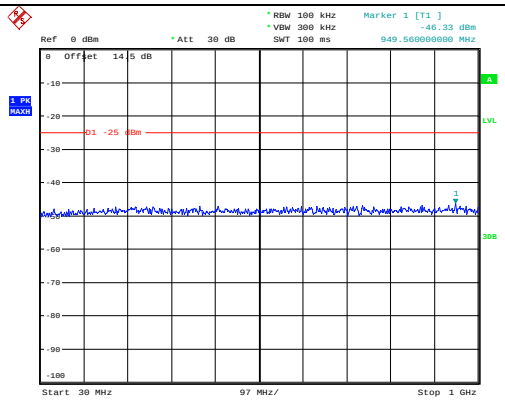
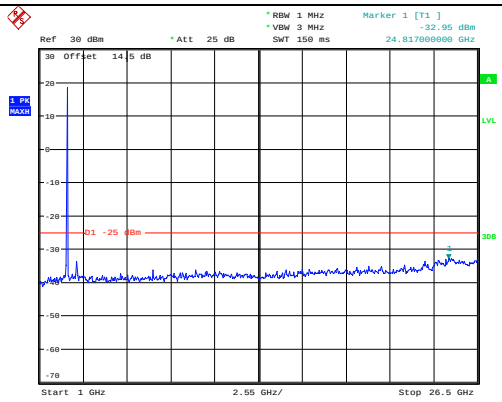
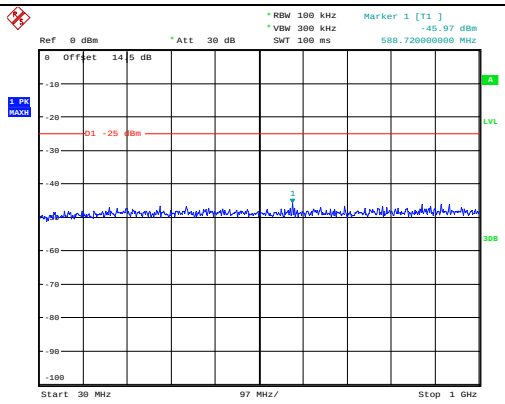
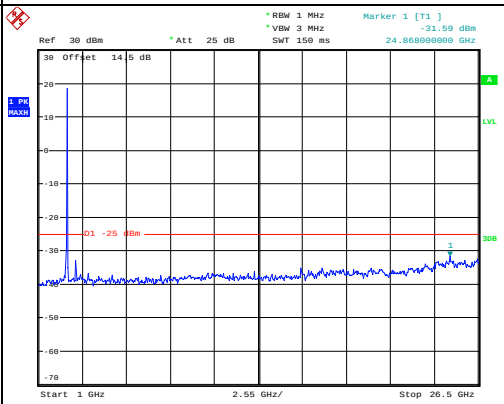
Occupied Bandwidth

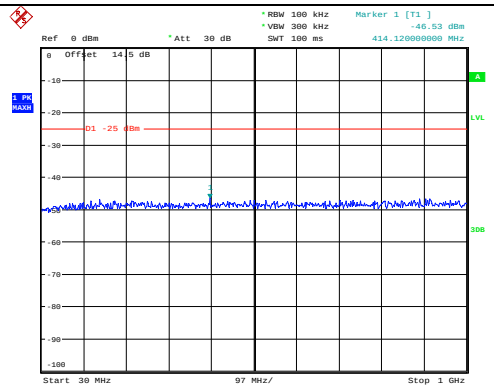
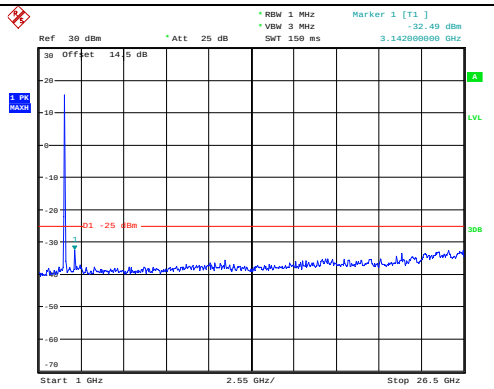
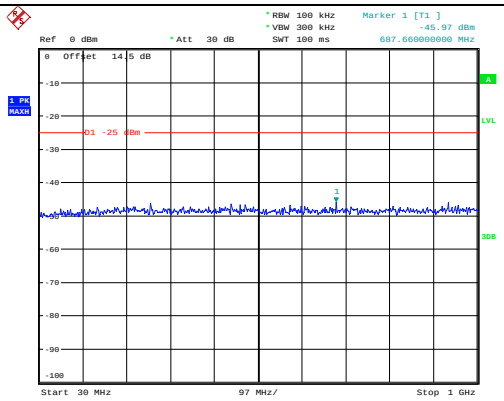
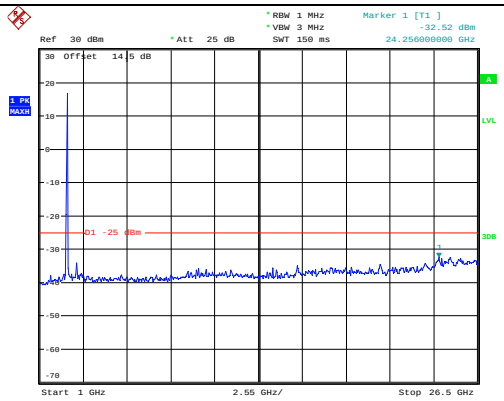
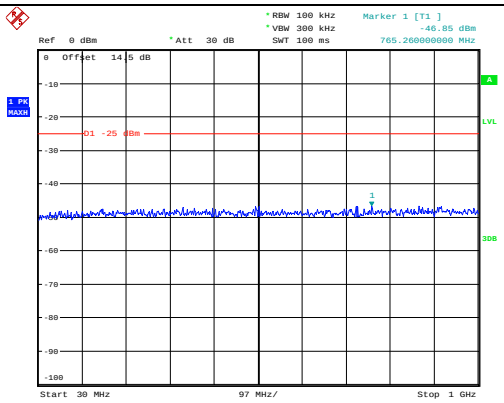
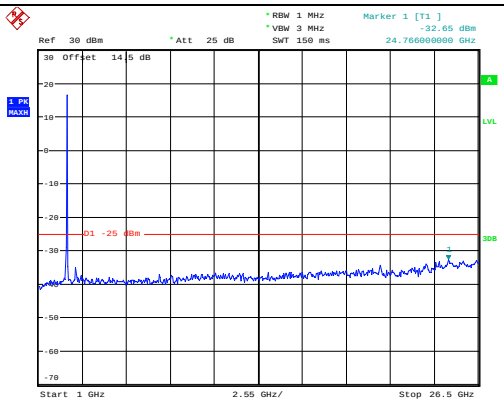
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:25:59	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:26:29
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:27:04	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:27:41
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:28:12	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:28:52

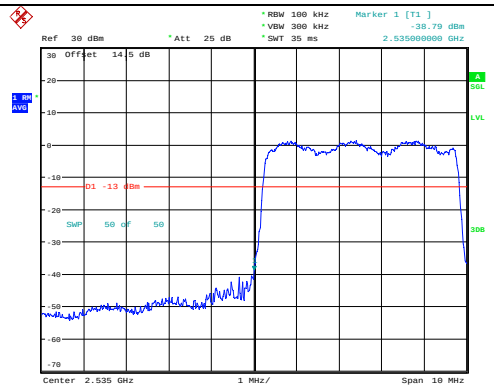
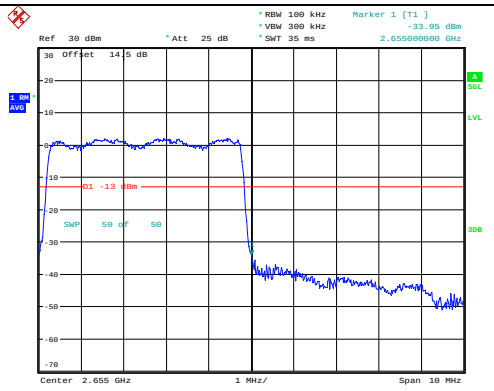
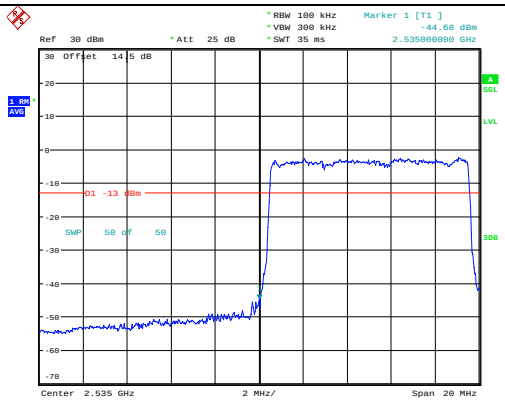
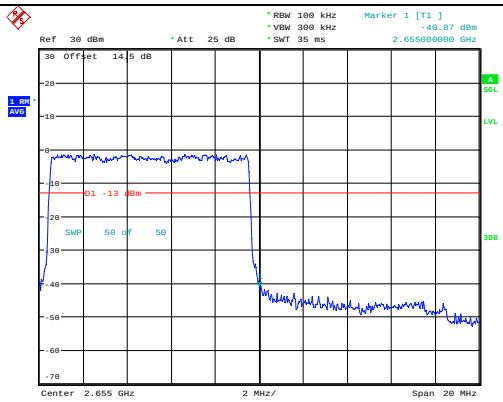
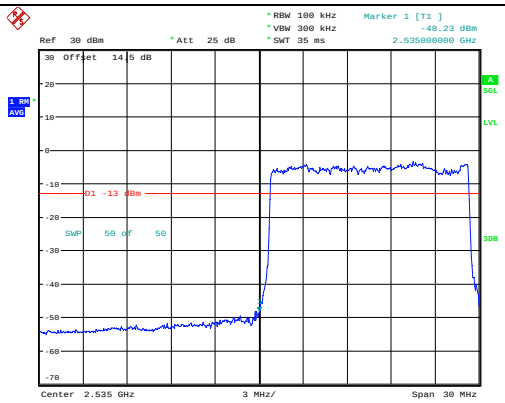
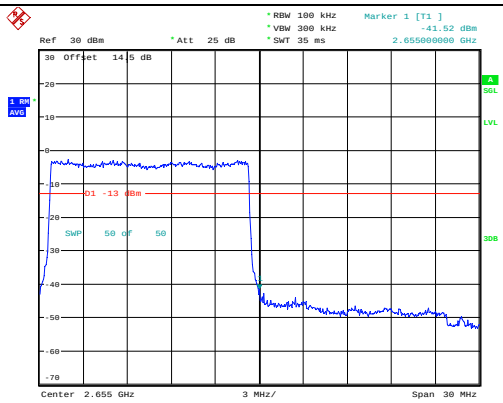
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:29:28	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:29:59
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:30:34	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:31:02
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:31:34	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 13:32:11

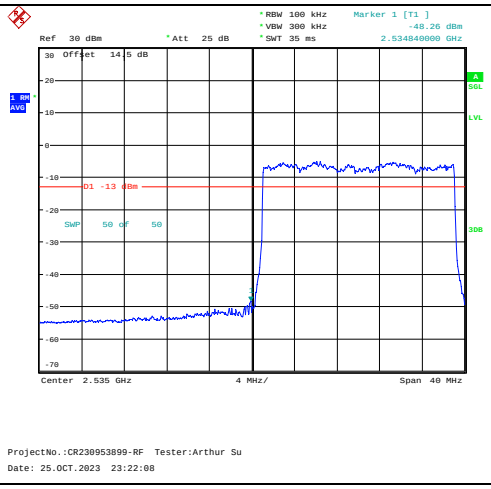
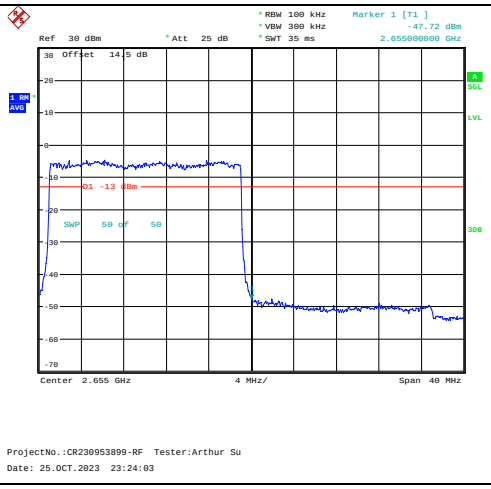
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:28:26	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:28:39
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:28:57	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:29:13
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:29:31	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:29:44

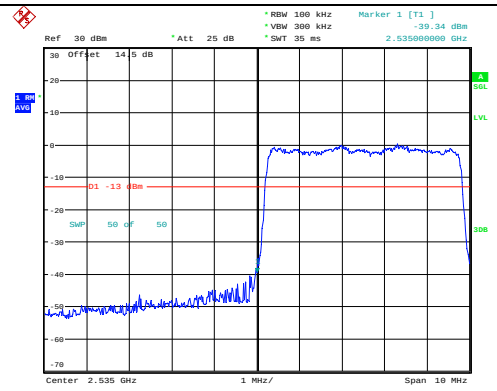
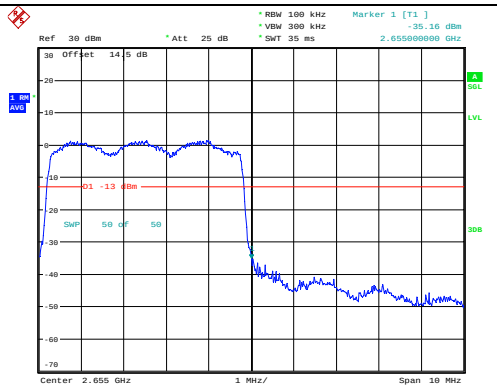
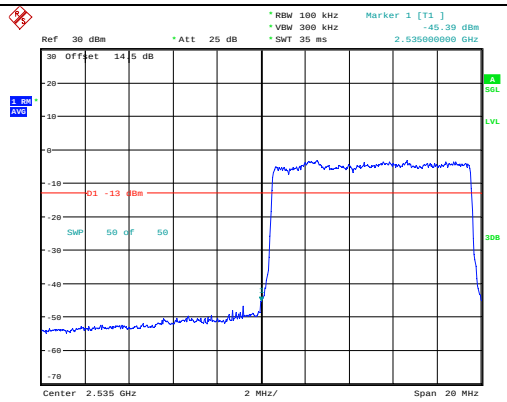
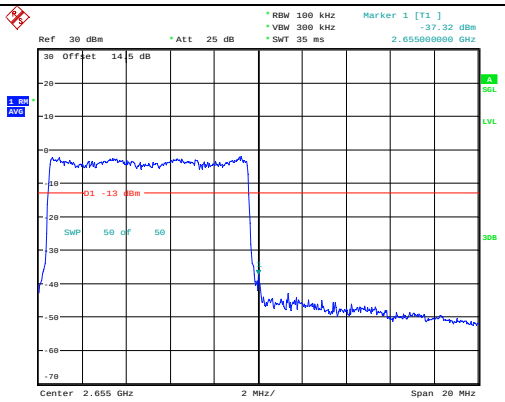
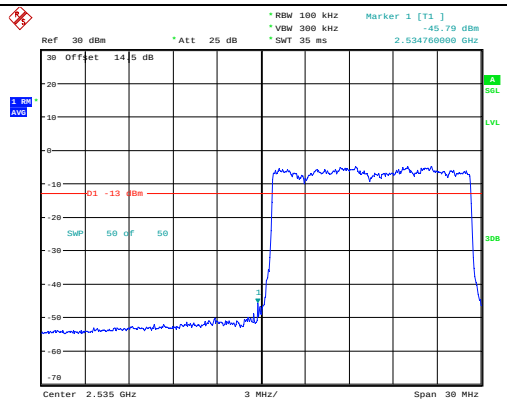
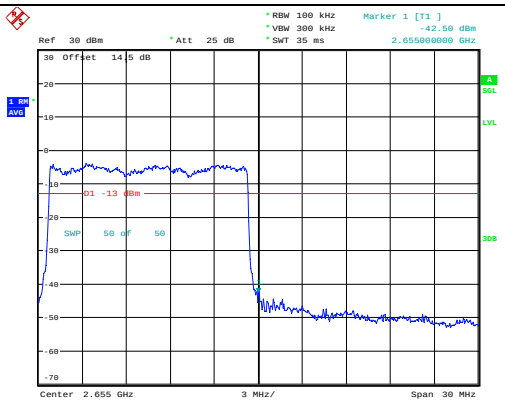
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:30:04	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:30:17
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:30:32	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:30:45
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:31:03	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:31:16

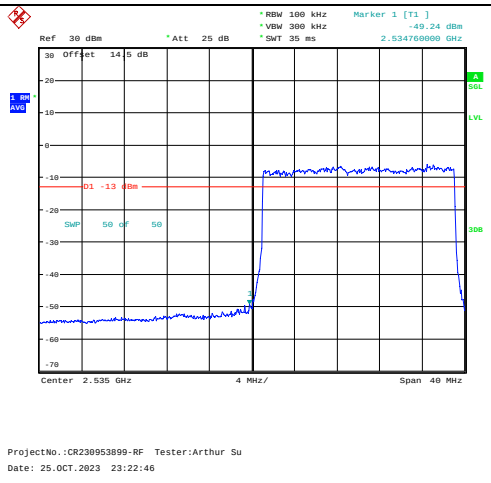
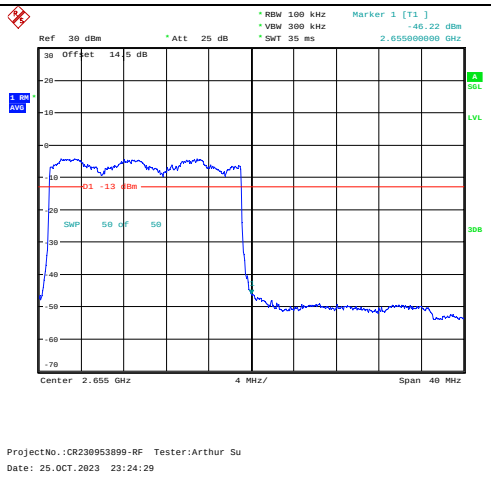
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:31:35	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:31:48
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:32:07	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:32:20
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:32:35	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:32:48

Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:33:08	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:33:20
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:33:39	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:33:52
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:34:07	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 14:34:16

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:08:11	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:11:06
QPSK 10MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:13:14	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:14:45
QPSK 15MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:17:26	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:20:06

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

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 5MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:09:17	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:11:38
16QAM 10MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:13:43	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:15:31
16QAM 15MHz	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:18:31	 ProjectNo.:CR230953899-RF Tester:Arthur Su Date: 25.OCT.2023 23:20:49

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

4.16 Antenna Port Test Data and Results for LTE Band 66

Serial Number:	2B7S-2	Test Date:	2023/10/17~2023/10/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su/Claire Liu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.2~26.3	Relative Humidity: (%)	52~60	ATM Pressure: (kPa)	100.9~101.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	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	2023/9/28	2024/9/27
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:

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	21.28	20.77	20.88	21.96	30
	RB1#3	21.47	20.97	21.01		
	RB1#5	21.26	20.78	20.87		
	RB3#0	20.95	20.87	20.97		
	RB3#3	20.94	20.87	20.97		
	RB6#0	19.93	19.88	19.92		
1.4MHz 16QAM	RB1#0	19.96	19.77	19.91	20.67	30
	RB1#3	20.1	20.02	20.02		
	RB1#5	19.96	19.82	19.91		
	RB3#0	19.9	19.97	20.16		
	RB3#3	19.89	19.97	20.18		
	RB6#0	18.89	18.81	18.92		
3MHz QPSK	RB1#0	21.38	20.85	21.01	21.87	30
	RB1#8	20.89	20.85	20.97		
	RB1#14	20.91	20.84	20.98		
	RB6#0	19.9	19.86	19.93		
	RB6#9	19.9	19.84	19.93		
	RB15#0	19.9	19.89	19.97		
3MHz 16QAM	RB1#0	19.95	20.43	20.14	20.92	30
	RB1#8	19.88	20.39	20.1		
	RB1#14	19.93	20.41	20.13		
	RB6#0	18.84	18.92	18.94		
	RB6#9	18.85	18.92	18.97		
	RB15#0	18.98	18.97	18.93		
5MHz QPSK	RB1#0	20.84	20.79	20.94	21.5	30
	RB1#13	20.91	20.89	21.01		
	RB1#24	20.8	20.82	20.95		
	RB15#0	19.92	19.92	19.98		
	RB15#10	19.89	19.84	20.02		
	RB25#0	19.85	19.87	20.04		
5MHz 16QAM	RB1#0	19.93	19.68	20.25	20.79	30
	RB1#13	20.04	19.79	20.3		
	RB1#24	19.94	19.75	20.21		
	RB15#0	18.97	18.97	18.98		
	RB15#10	18.95	18.86	19.04		
	RB25#0	18.9	18.92	18.98		
10MHz QPSK	RB1#0	21.37	20.92	20.99	21.86	30
	RB1#25	21	21.01	21.15		
	RB1#49	20.9	20.92	20.95		
	RB25#0	19.95	19.99	20.12		

	RB25#25	19.94	19.88	19.99		
	RB50#0	19.95	19.95	20.08		
10MHz 16QAM	RB1#0	20.05	19.89	20.51	21.18	30
	RB1#25	20.21	19.99	20.69		
	RB1#49	20.03	19.93	20.55		
	RB25#0	18.96	19.09	19.17		
	RB25#25	18.94	18.97	19.01		
	RB50#0	18.97	18.98	19.07		
15MHz QPSK	RB1#0	20.82	20.82	20.94	21.5	30
	RB1#38	20.91	20.89	21.01		
	RB1#74	20.73	20.81	20.9		
	RB36#0	19.97	20.04	20.13		
	RB36#39	19.93	19.94	19.98		
	RB75#0	19.94	19.99	20.08		
15MHz 16QAM	RB1#0	20.23	20.37	20.08	20.96	30
	RB1#38	20.33	20.47	20.15		
	RB1#74	20.21	20.43	20.04		
	RB36#0	18.92	19	19.1		
	RB36#39	18.93	18.92	18.96		
	RB75#0	18.96	18.99	19.06		
20MHz QPSK	RB1#0	20.62	20.68	20.78	21.67	30
	RB1#50	21.03	21.07	21.18		
	RB1#99	20.58	20.73	20.76		
	RB50#0	19.97	20.05	19.97		
	RB50#50	20.02	19.89	19.83		
	RB100#0	20.02	20	19.89		
20MHz 16QAM	RB1#0	20.27	19.96	20.01	21.15	30
	RB1#50	20.66	20.38	20.31		
	RB1#99	20.23	20.06	19.91		
	RB50#0	18.95	19.09	18.96		
	RB50#50	19.05	18.85	18.83		
	RB100#0	19.05	19.02	18.91		
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	6.16	6.48	6.64	13
	RB100#0	6.41	6.35	6.31	13
20MHz 16QAM	RB1#0	7.16	7.03	7.29	13
	RB100#0	7.15	7.12	7.12	13
				Result:	**Pass**

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	1.104	1.104	1.104	1.29	1.302	1.314
1.4MHz 16QAM	1.104	1.104	1.092	1.29	1.314	1.284
3MHz QPSK	2.687	2.687	2.687	2.892	2.88	2.868
3MHz 16QAM	2.687	2.687	2.687	2.868	2.892	2.88
5MHz QPSK	4.52	4.56	4.52	5.08	5.22	5.14
5MHz 16QAM	4.54	4.52	4.56	5.2	5.14	5.22
10MHz QPSK	9	8.96	9	9.72	9.88	9.84
10MHz 16QAM	8.96	9	9	9.84	9.84	9.92
15MHz QPSK	13.62	13.56	13.56	15.12	15.18	15.06
15MHz 16QAM	13.62	13.56	13.5	15.12	15	14.94
20MHz QPSK	18	18	18	19.44	19.76	19.44
20MHz 16QAM	18	18.08	17.92	19.68	19.52	19.52
Note: The test plots please refer to the Plots of Occupied Bandwidth						

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

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

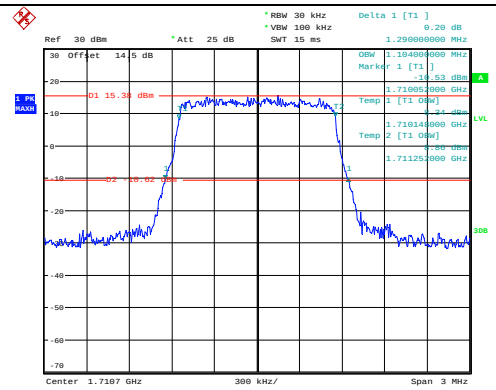
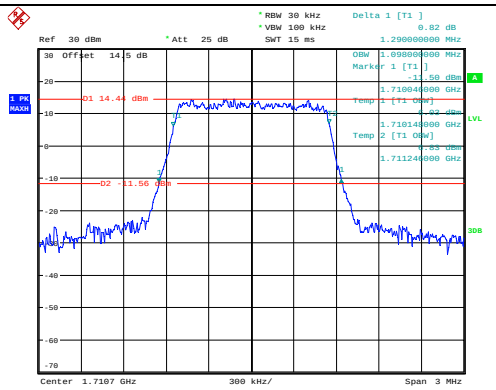
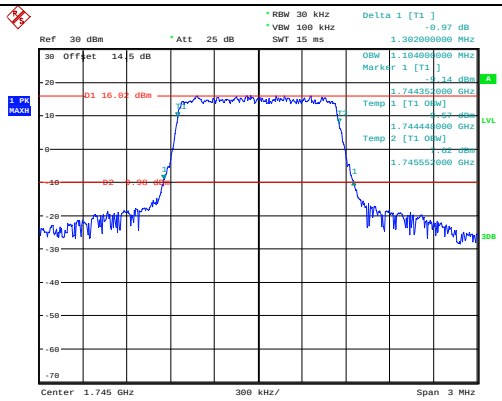
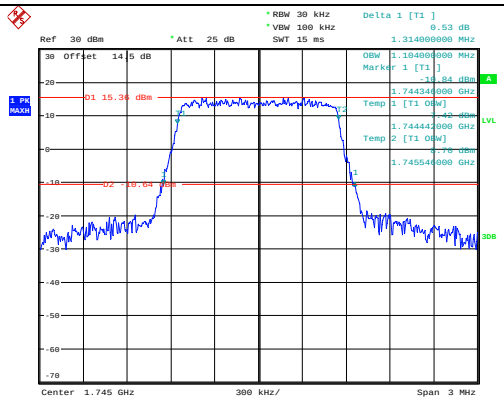
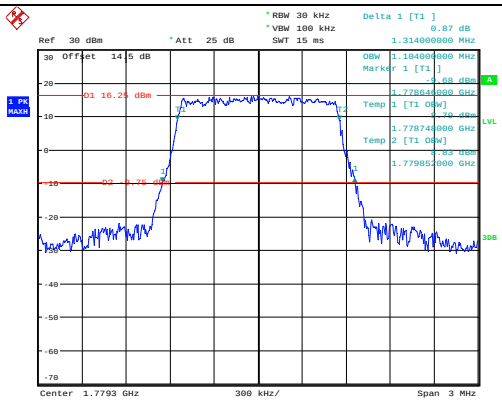
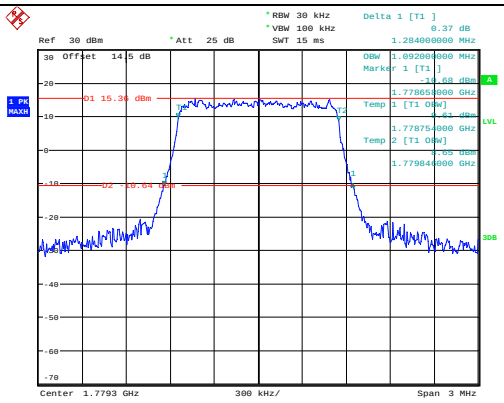
Frequency Stability

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	1711.038	1710.00	1779.048	1780
	-20	3.85	1711.021	1710.00	1779.057	1780
	-10	3.85	1711.028	1710.00	1779.061	1780
	0	3.85	1711.011	1710.00	1779.068	1780
	10	3.85	1711.027	1710.00	1779.061	1780
	20	3.85	1711.040	1710.00	1779.040	1780
	30	3.85	1711.018	1710.00	1779.068	1780
	40	3.85	1711.012	1710.00	1779.063	1780
	50	3.85	1711.031	1710.00	1779.041	1780
Frequency Stability vs. Voltage	20	3.4	1711.013	1710.00	1779.065	1780
	20	4.4	1711.032	1710.00	1779.064	1780
					Result:	**Pass**

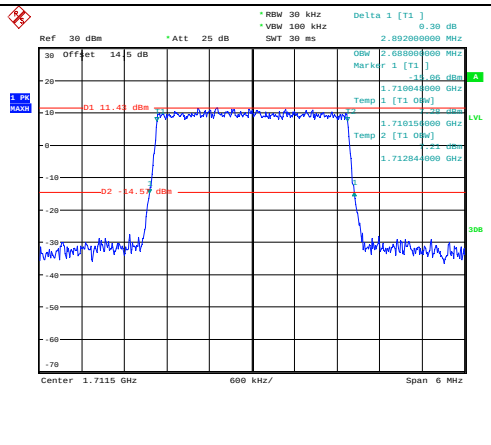
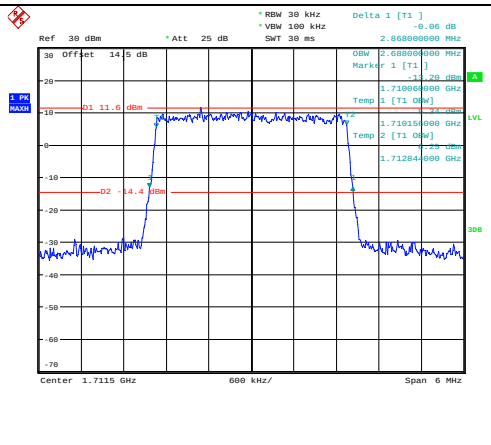
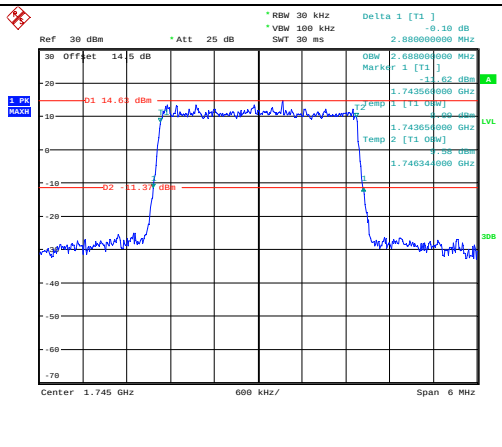
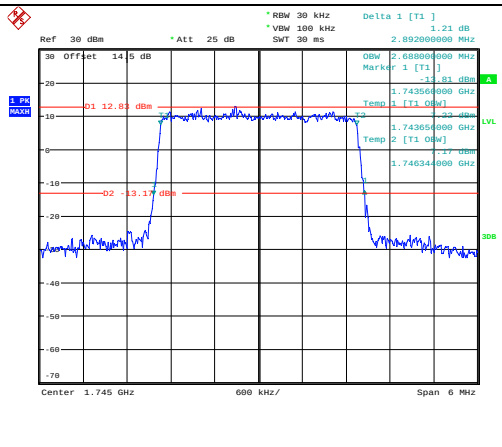
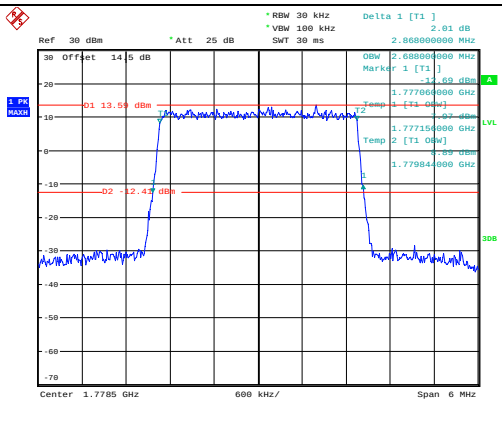
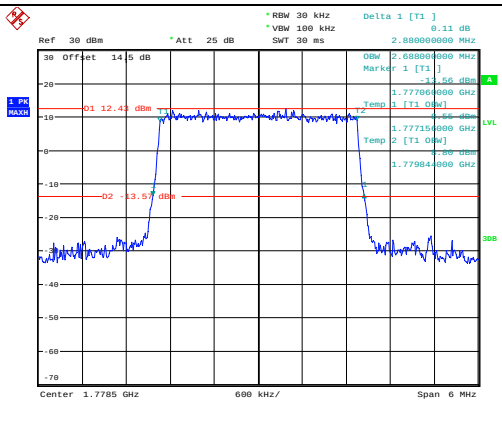
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge		
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)	Upper Edge (MHz)

			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	1711.021	1710.00	1778.964	1780
	-20	3.85	1711.018	1710.00	1778.968	1780
	-10	3.85	1711.018	1710.00	1778.982	1780
	0	3.85	1711.029	1710.00	1778.963	1780
	10	3.85	1711.020	1710.00	1778.965	1780
	20	3.85	1711.040	1710.00	1778.960	1780
	30	3.85	1711.031	1710.00	1778.979	1780
	40	3.85	1711.036	1710.00	1778.971	1780
	50	3.85	1711.022	1710.00	1778.964	1780
Frequency Stability vs. Voltage	20	3.4	1711.030	1710.00	1778.981	1780
	20	4.4	1711.012	1710.00	1778.966	1780
					Result:	**Pass**

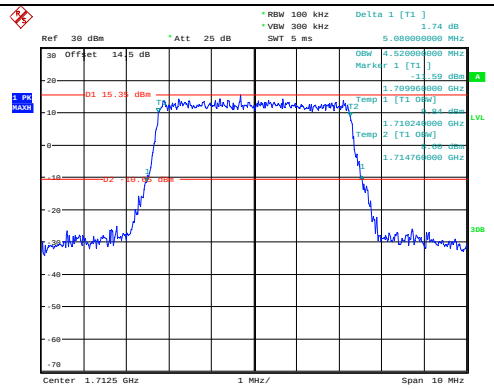
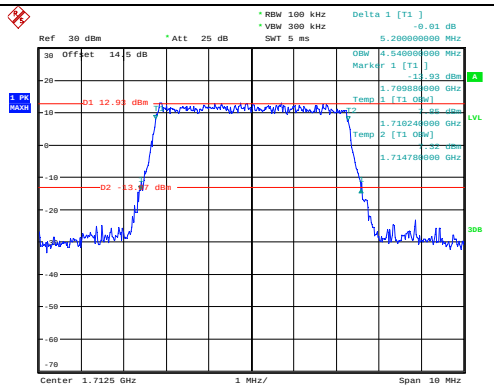
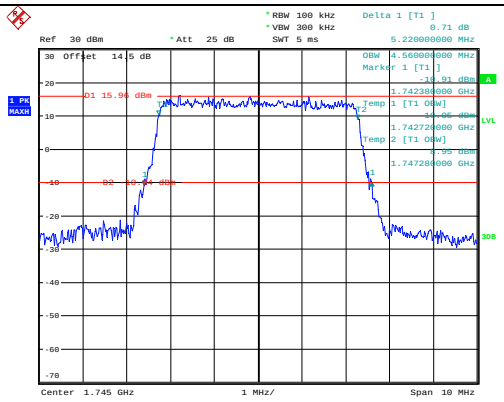
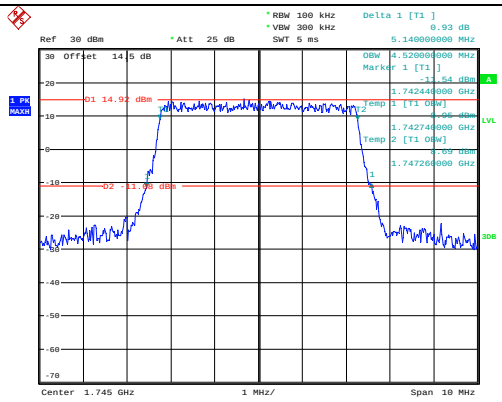
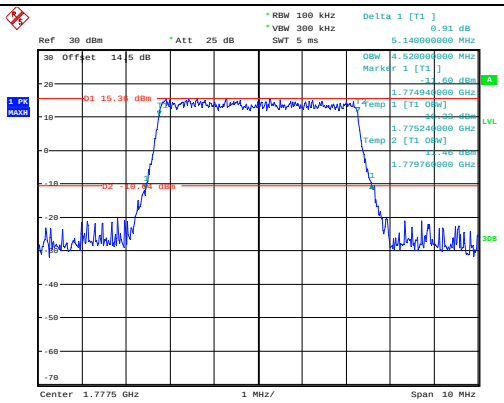
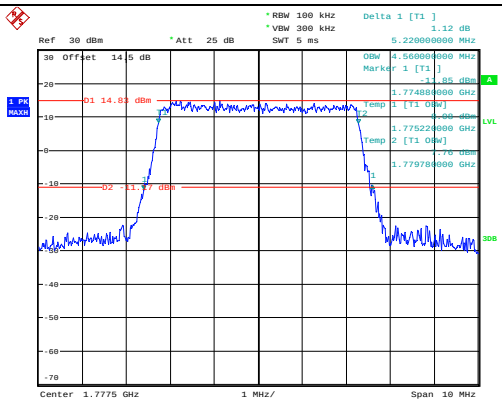
Test Plots(Note: The 14.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:21:07	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:21:30
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:21:57	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:22:17
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:22:44	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:23:07

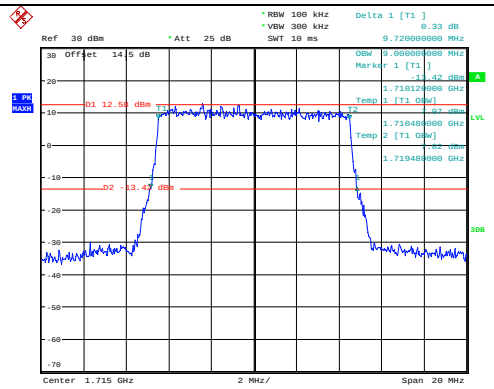
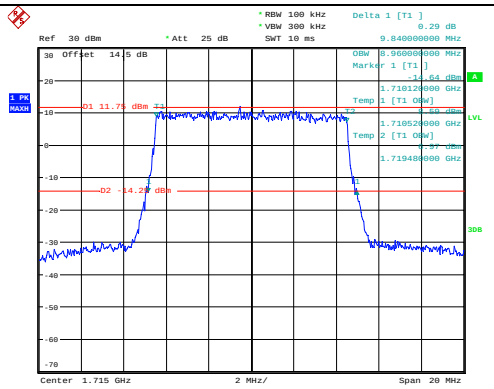
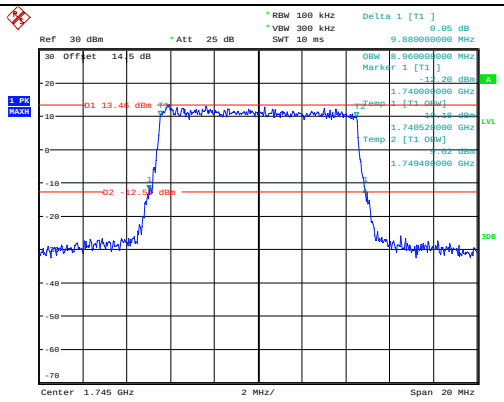
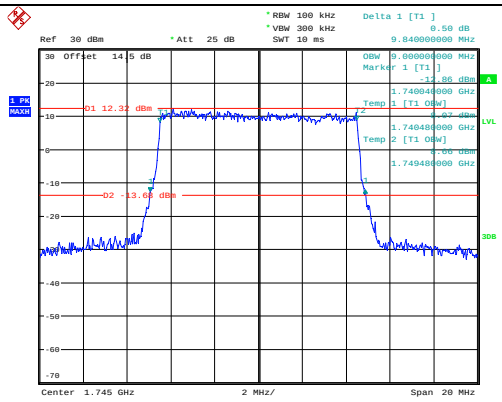
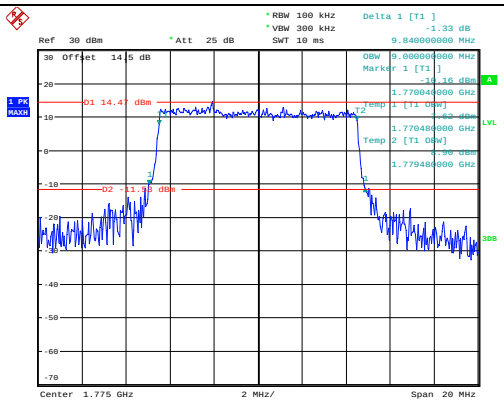
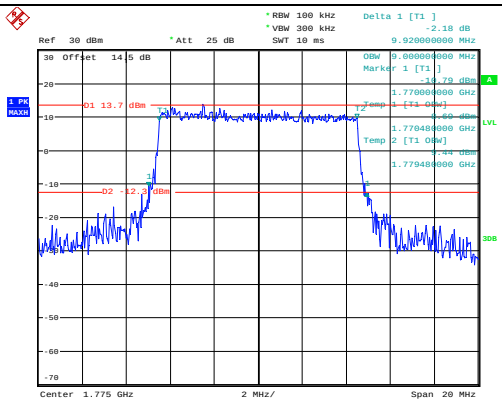
Occupied Bandwidth

Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:23:58	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:24:18
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:24:39	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:24:59
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:25:20	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:25:46

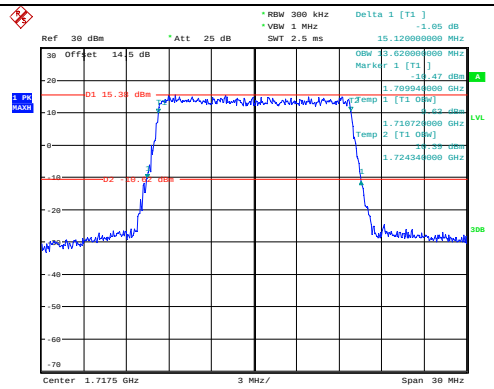
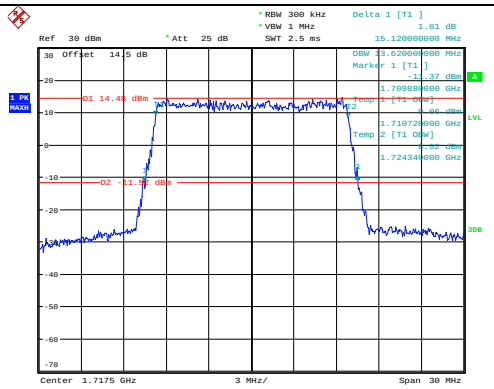
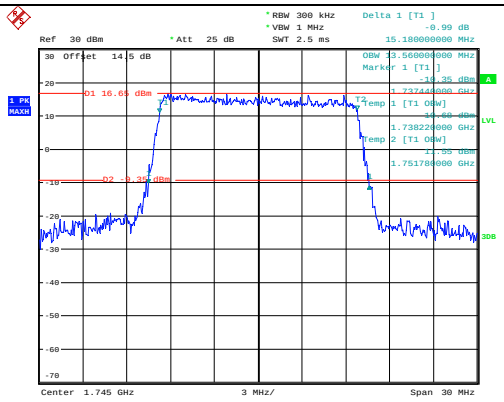
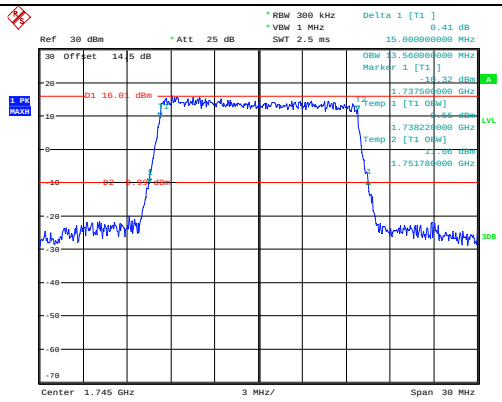
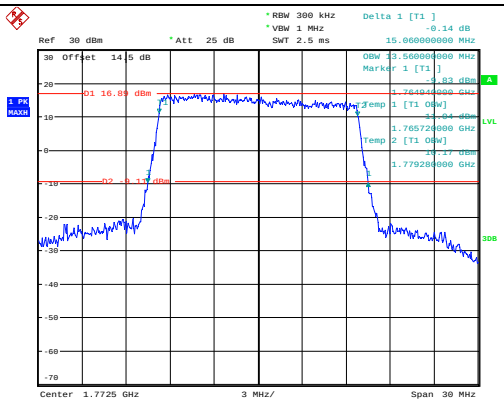
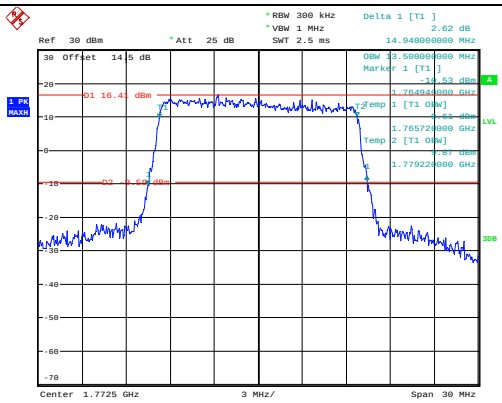
Occupied Bandwidth

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

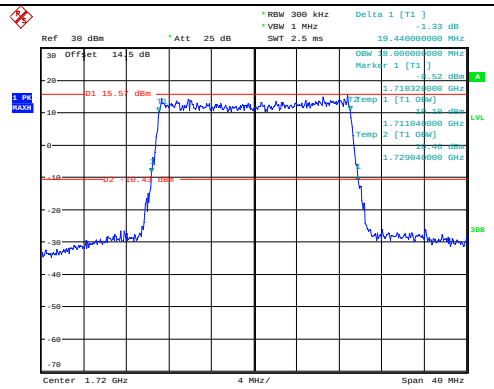
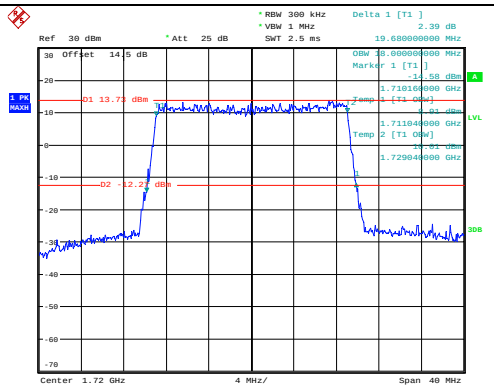
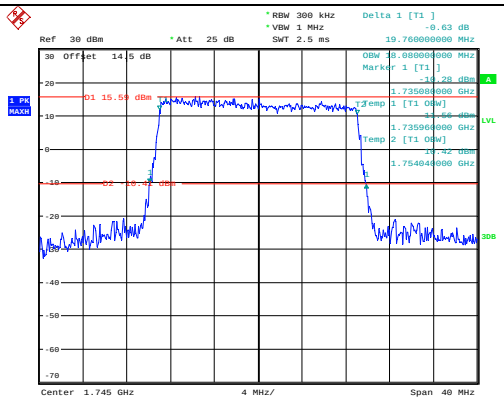
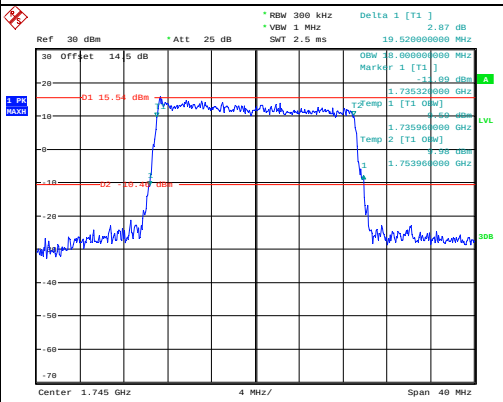
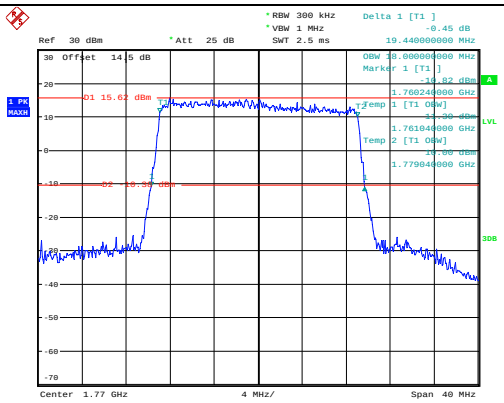
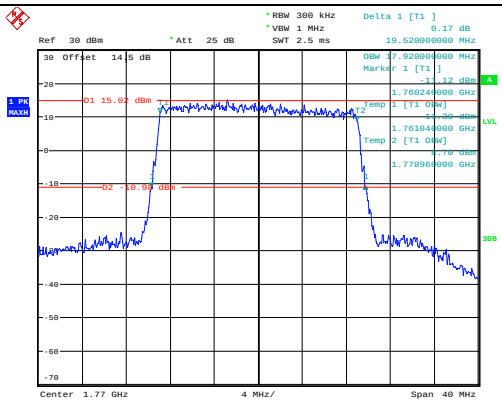
Occupied Bandwidth

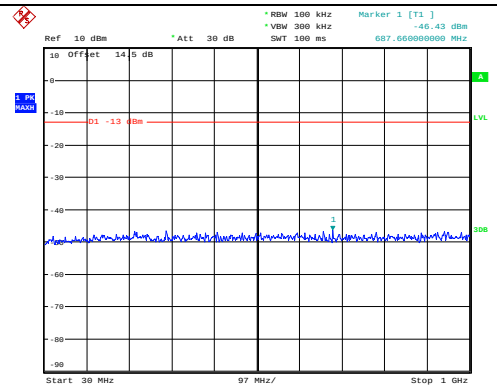
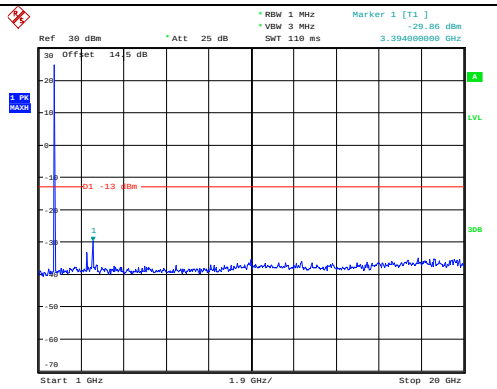
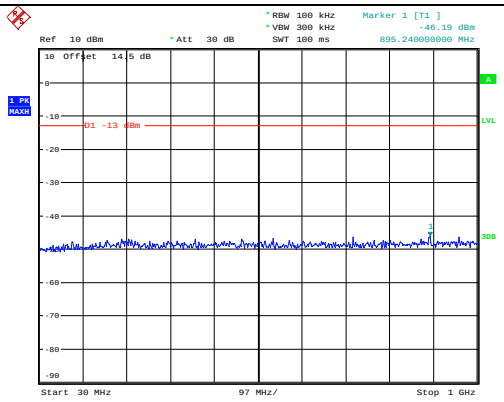
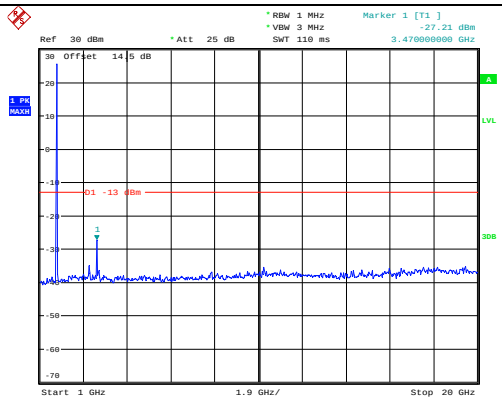
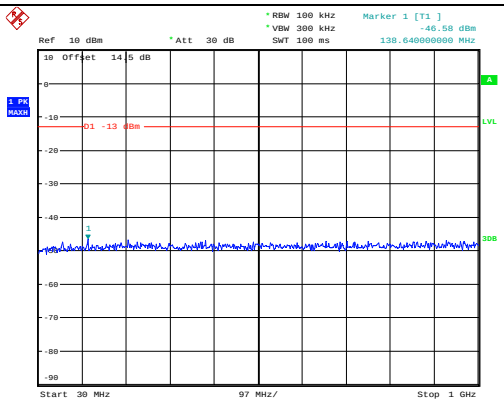
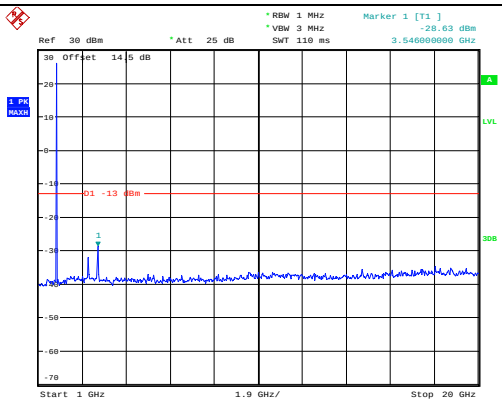
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:29:25	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:29:48
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:30:09	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:30:28
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:30:58	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:31:22

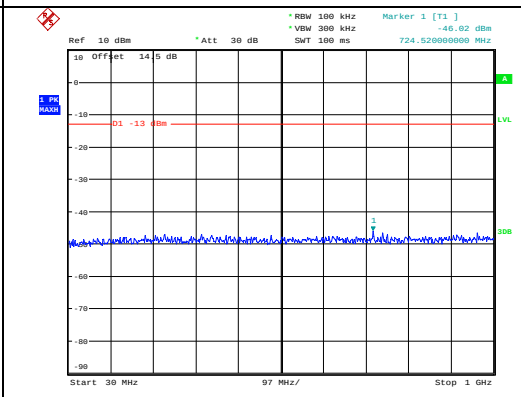
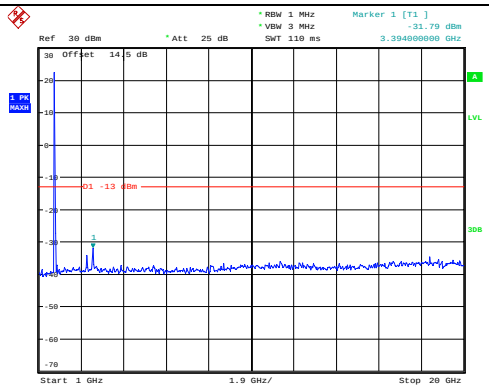
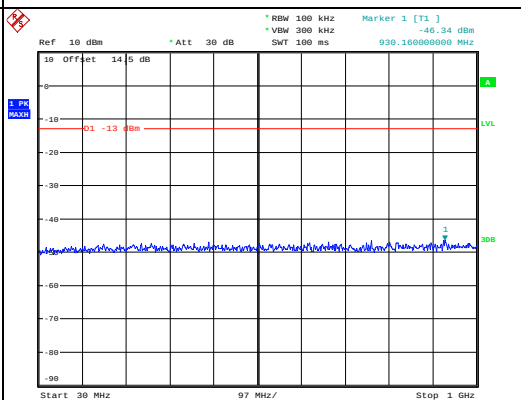
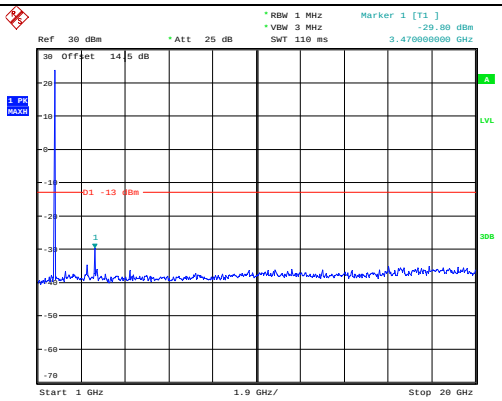
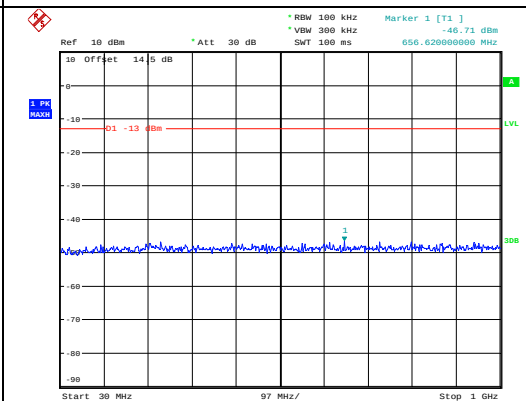
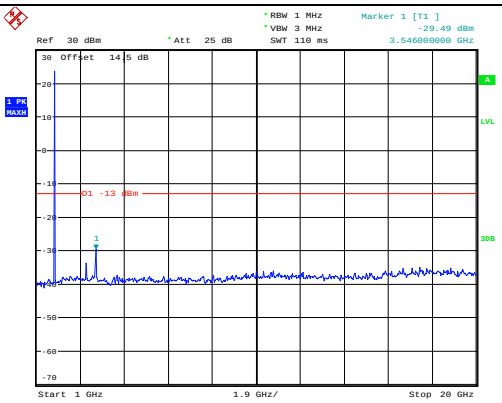
Occupied Bandwidth

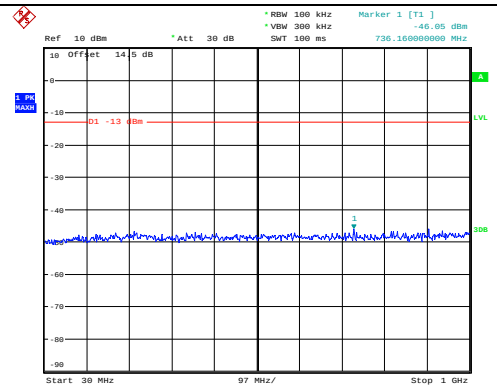
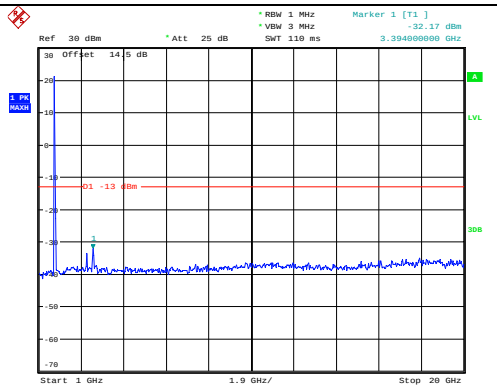
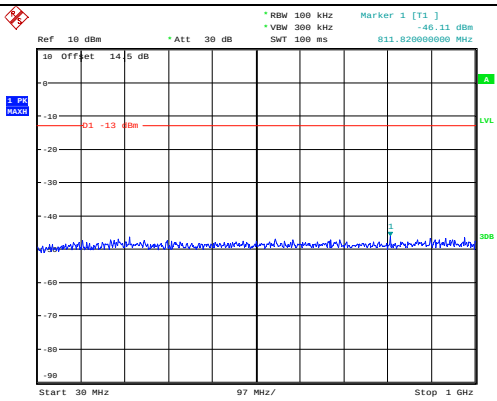
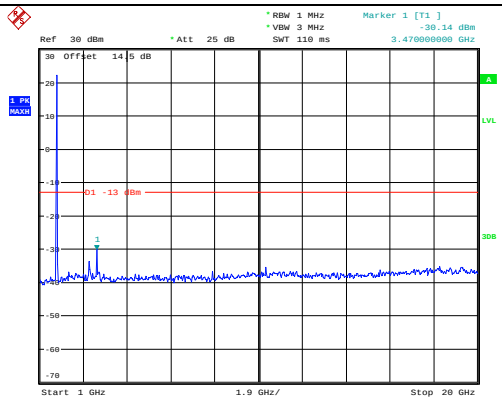
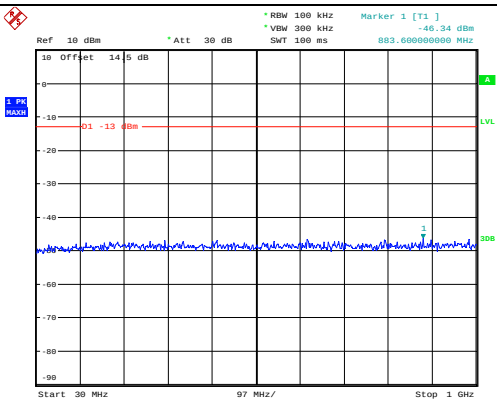
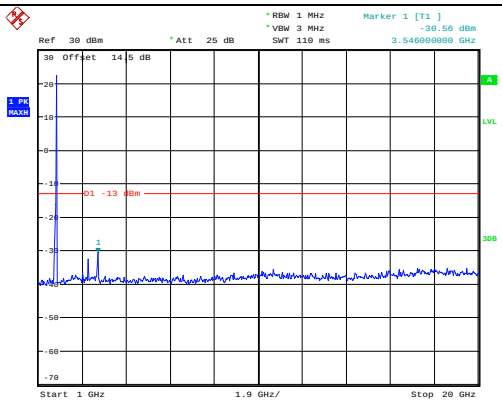
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

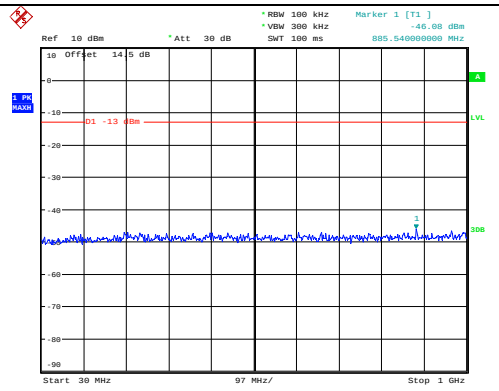
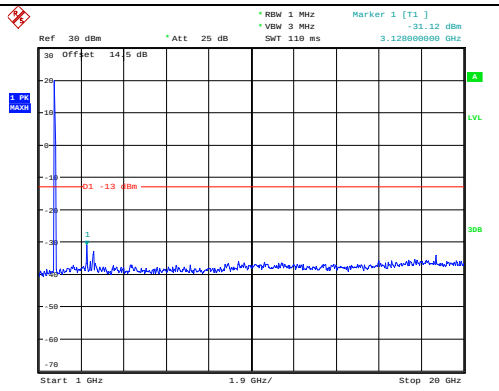
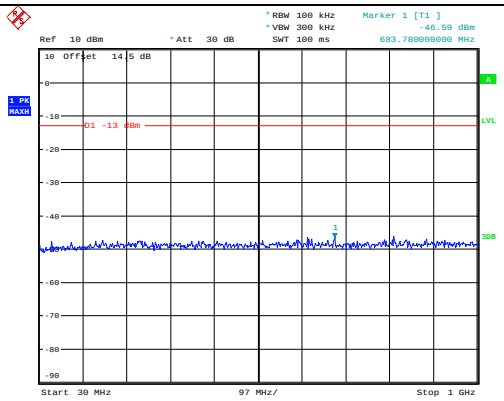
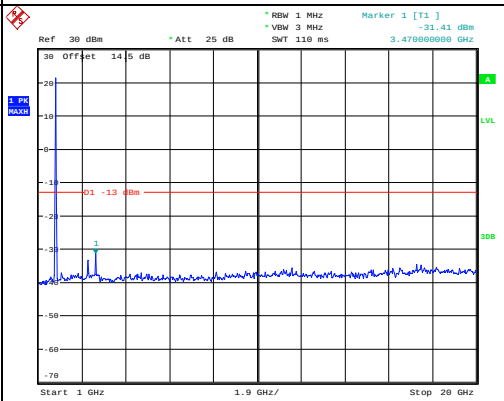
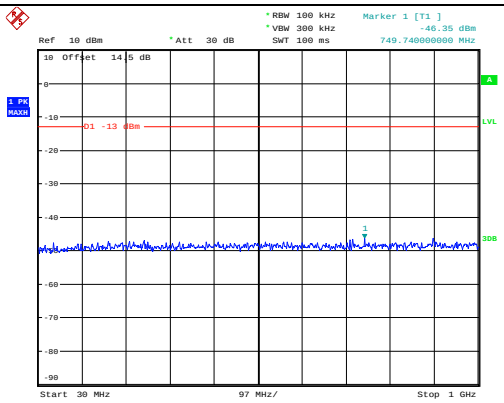
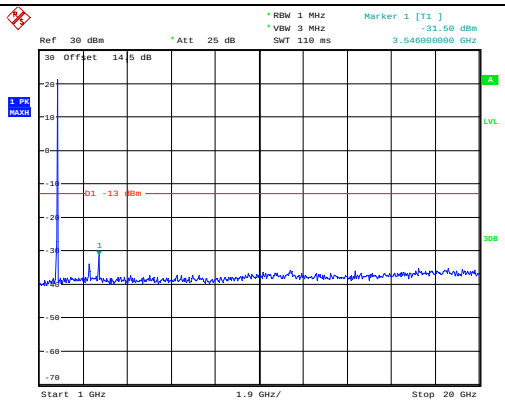
Occupied Bandwidth

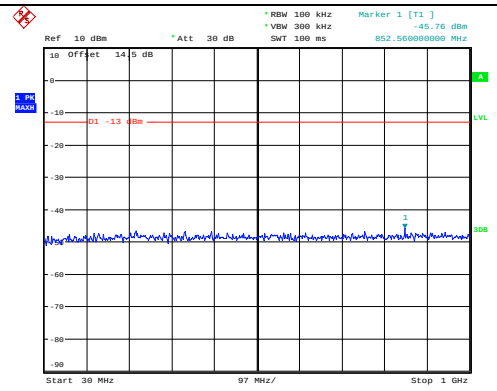
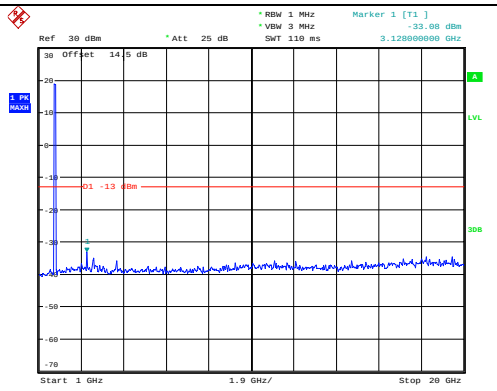
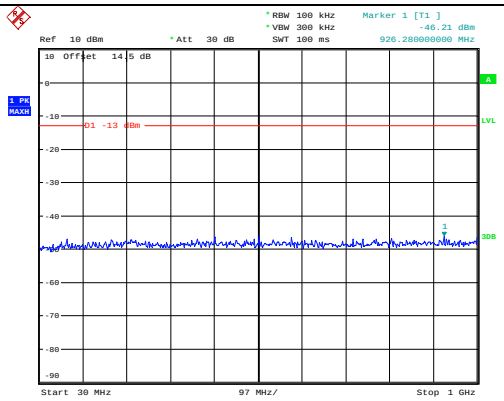
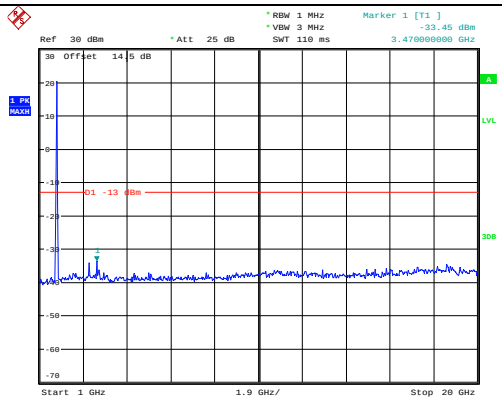
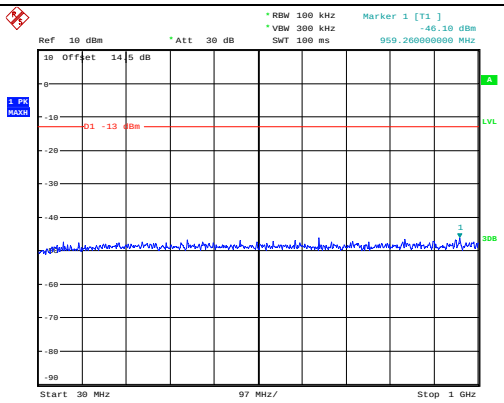
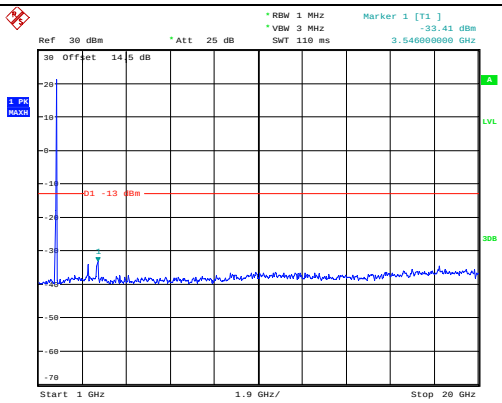
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:35:07	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:35:27
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:35:51	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:36:10
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:36:31	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 17:36:51

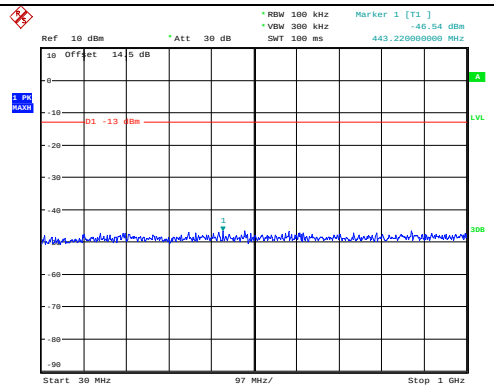
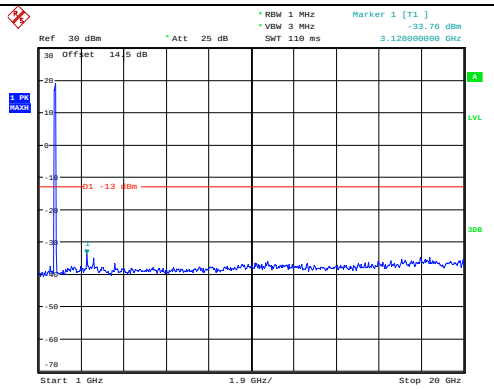
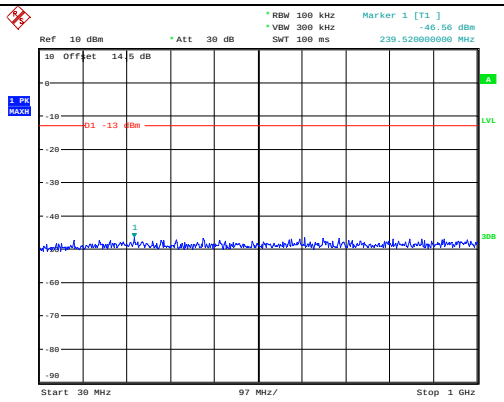
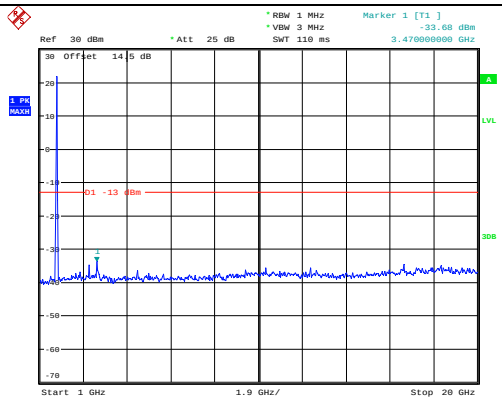
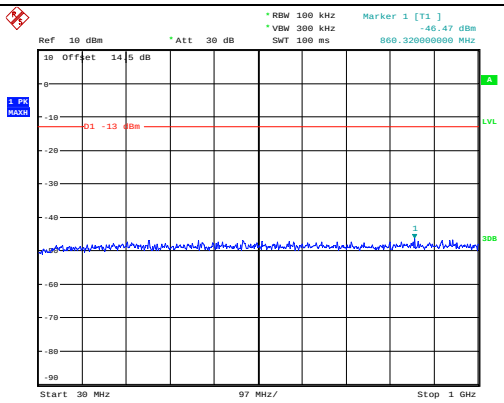
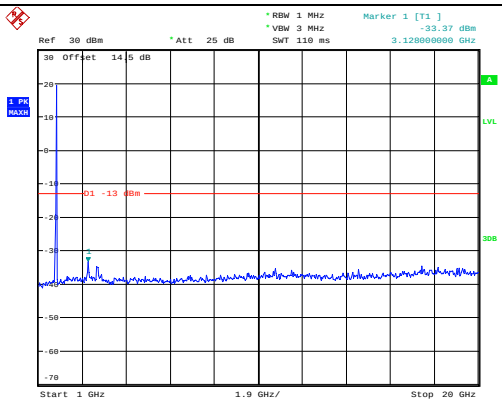
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:14:01	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:14:12
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:14:25	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:14:35
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:14:49	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:14:59

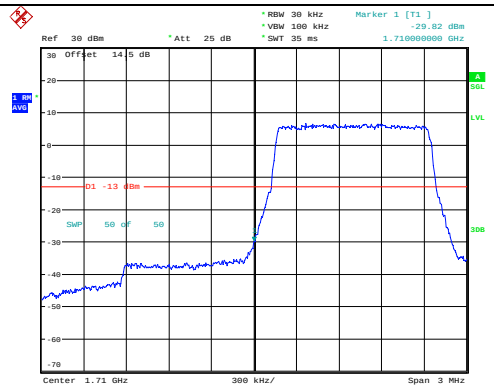
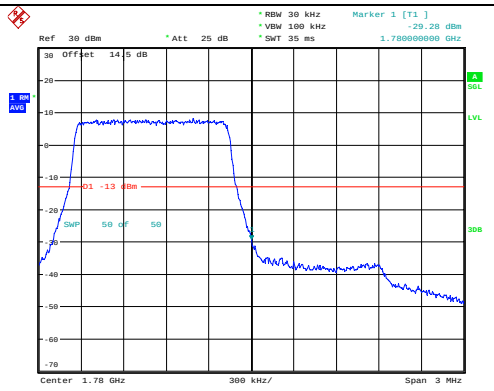
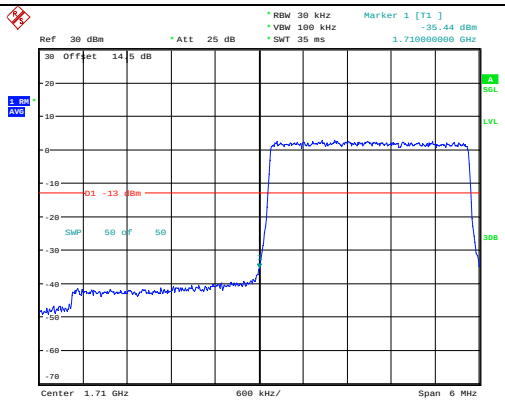
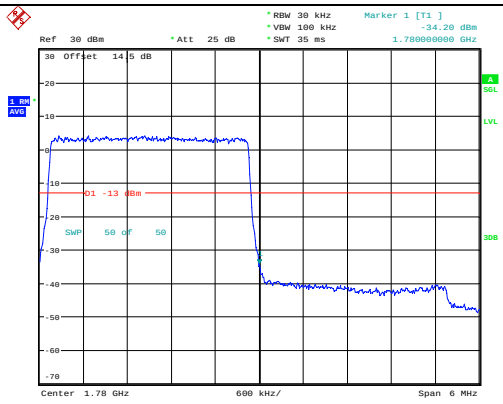
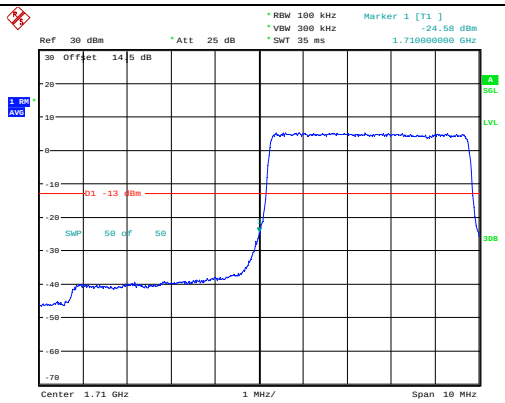
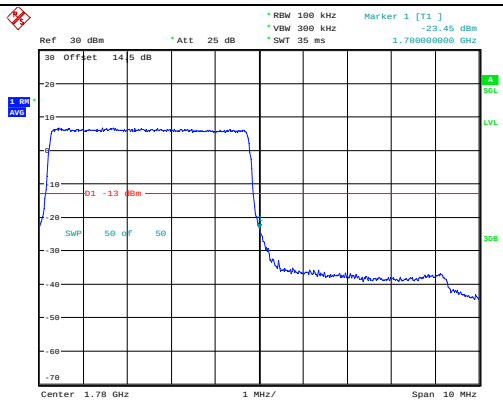
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:15:51	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:16:01
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:16:14	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:16:24
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:16:37	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:16:47

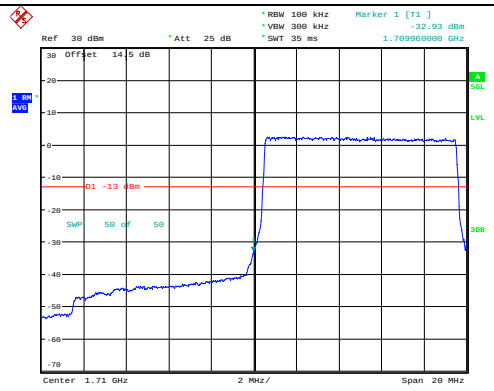
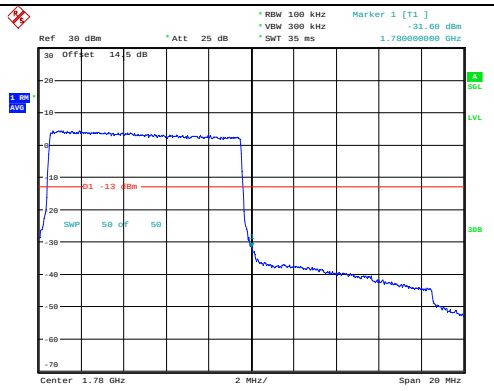
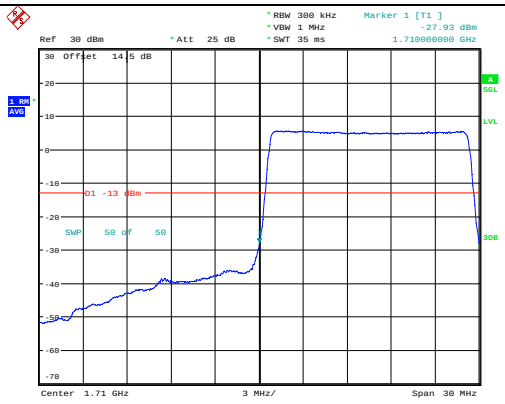
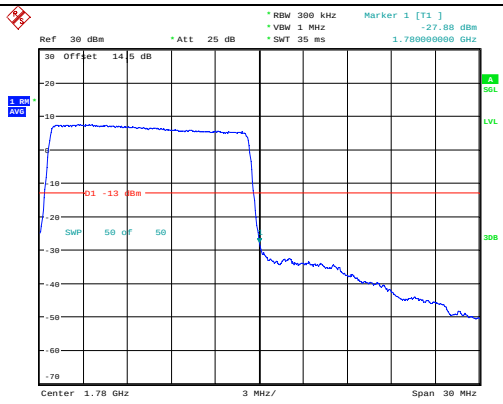
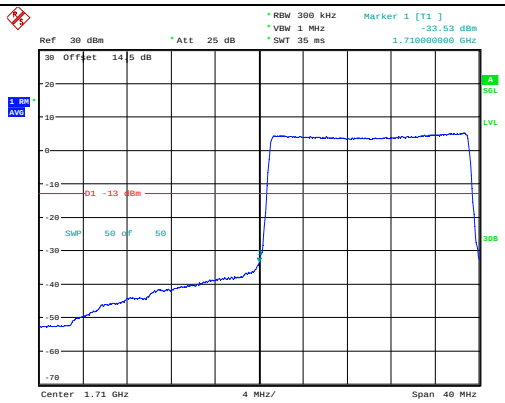
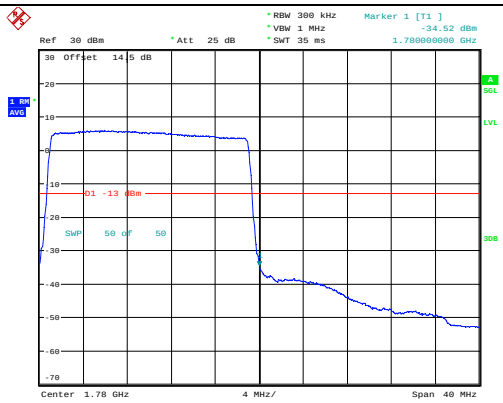
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:17:42	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:17:52
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:18:05	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:18:15
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:18:28	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:18:38

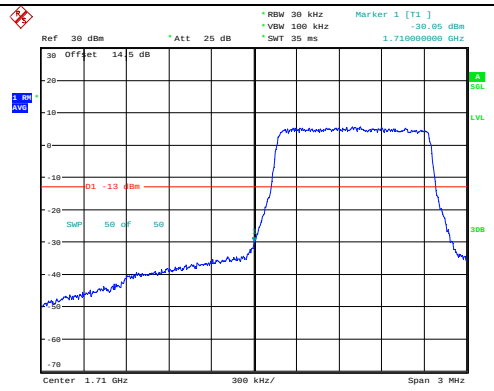
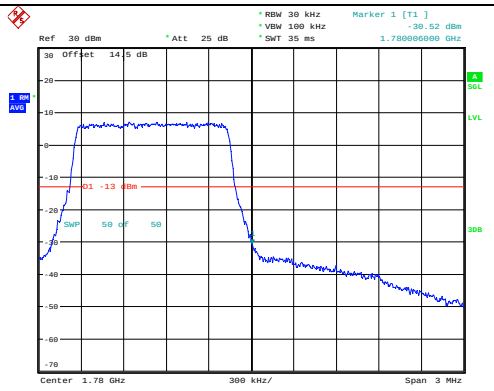
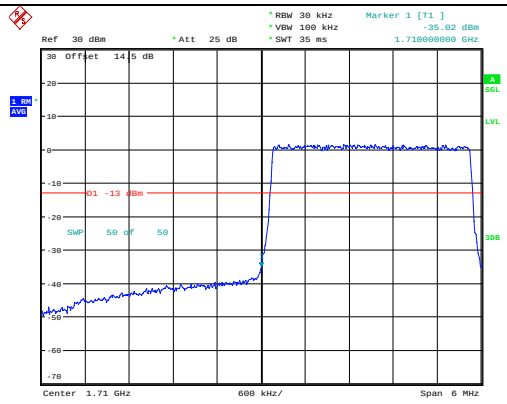
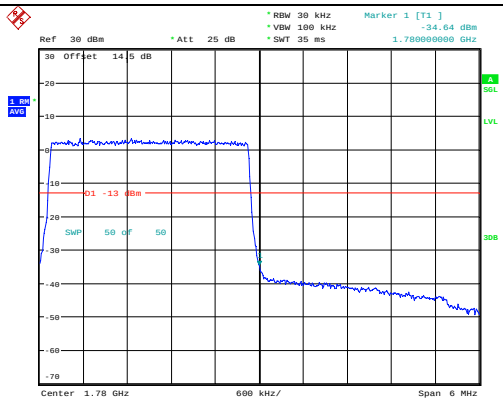
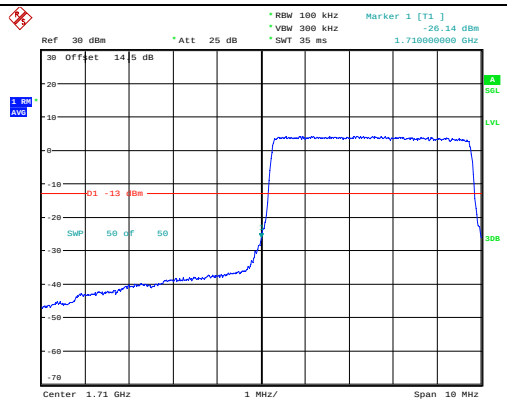
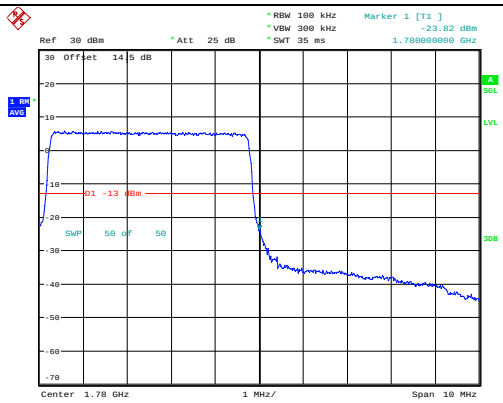
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:19:30	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:19:40
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:19:53	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:20:03
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:20:16	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:20:26

Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:21:21	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:21:31
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:21:47	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:21:57
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:22:10	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:22:20

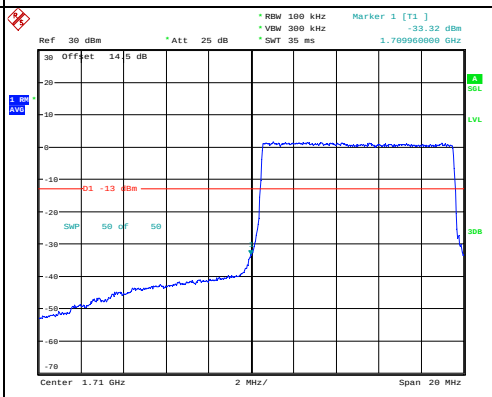
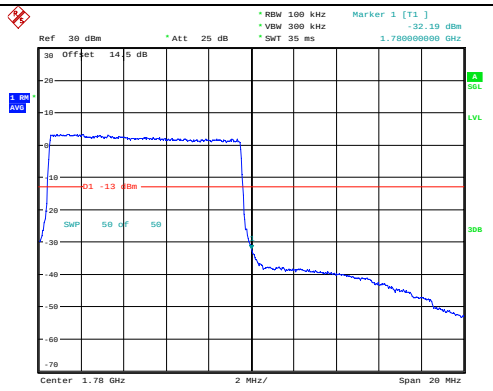
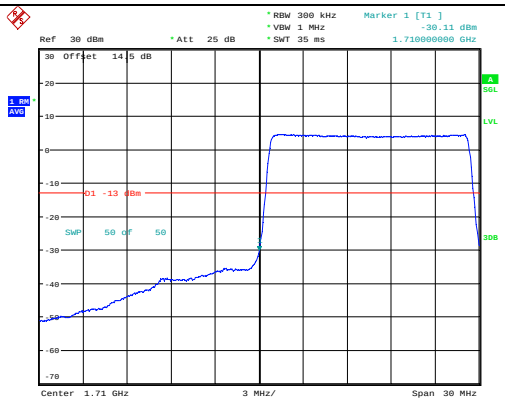
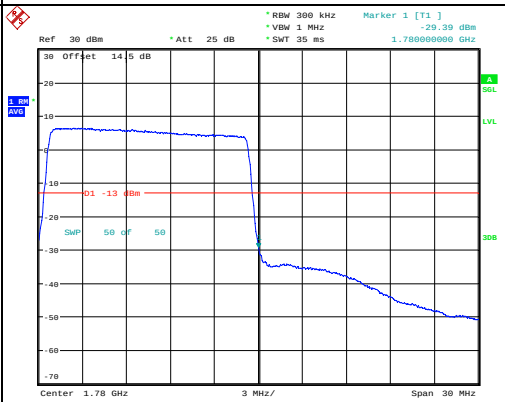
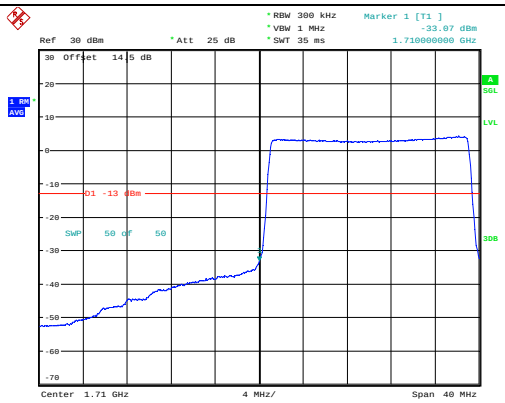
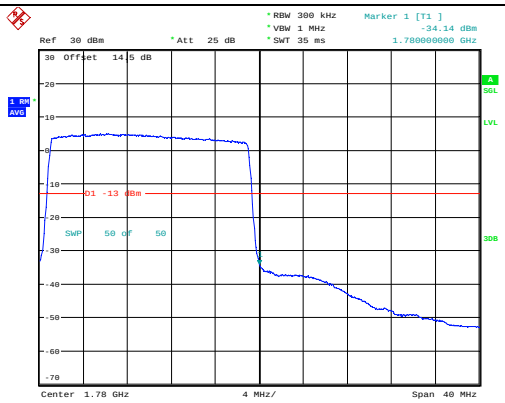
Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:23:11	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:23:22
Middle	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:23:34	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:23:45
Highest	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:23:58	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 22:24:08

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

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 10MHz		
QPSK 15MHz		
QPSK 20MHz		

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

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 10MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:53:48	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:54:13
16QAM 15MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:55:11	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:55:30
16QAM 20MHz	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:56:36	 ProjectNo.:CR230953899-RF Tester:Claire Liu Date: 25.OCT.2023 20:56:55

4.17 Radiated Spurious Emissions

Serial Number:	2B7S-1	Test Date:	2023/10/5~2023/10/9
Test Site:	966-1,966-2	Test Mode:	Transmitting
Tester:	Carl Xue ,coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26.3~26.7	Relative Humidity: (%)	56~62	ATM Pressure: (kPa)	100.3~100.7

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
EMCO	Adjustable Dipole Antenna	3121C	9109-756	N/A	N/A
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2022/7/16	2024/7/15
Agilent	Signal Generator	E8247C	MY43321352	2022/11/18	2023/11/17
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/8/6	2024/8/5
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/9	2023/11/8
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2022/7/16	2024/7/15
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
PASTERNACK	Horn Antenna	PE9852/2F-20	112001	2021/2/5	2024/2/4
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2023/9/15	2024/9/14
PASTERNACK	Horn Antenna	PE9850/2F-20	072001	2021/2/5	2024/2/4
PASTERNACK	Horn Antenna	PE9850/2F-20	072002	2021/2/5	2024/2/4
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2023/8/6	2024/8/5

**** 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 Data:

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

Cellular Band (PART 22H)

GSM850:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
			Frequency:	824.2	MHz			
716.68	H	20.84	-52.14	0.00	0.50	-52.64	-13.00	39.64
724.44	V	20.95	-48.44	0.00	0.51	-48.95	-13.00	35.95
1648.400	H	48.35	-55.98	8.68	0.80	-48.10	-13.00	35.10
1648.400	V	46.38	-58.03	8.68	0.80	-50.15	-13.00	37.15
2472.600	H	40.35	-60.43	9.38	1.00	-52.05	-13.00	39.05
2472.600	V	43.69	-57.04	9.38	1.00	-48.66	-13.00	35.66
3296.800	H	36.74	-59.94	10.32	1.15	-50.77	-13.00	37.77
3296.800	V	40.13	-56.31	10.32	1.15	-47.14	-13.00	34.14
			Frequency:	836.6	MHz			
554.82	H	20.95	-53.80	0.00	0.49	-54.29	-13.00	41.29
714.36	V	20.73	-48.88	0.00	0.50	-49.38	-13.00	36.38
1673.200	H	47.62	-56.69	8.71	0.85	-48.83	-13.00	35.83
1673.200	V	47.83	-56.58	8.71	0.85	-48.72	-13.00	35.72
2509.800	H	41.26	-59.35	9.42	1.01	-50.94	-13.00	37.94
2509.800	V	42.17	-58.45	9.42	1.01	-50.04	-13.00	37.04
3346.400	H	38.67	-58.50	10.34	1.16	-49.32	-13.00	36.32
3346.400	V	37.96	-59.07	10.34	1.16	-49.89	-13.00	36.89
			Frequency:	848.8	MHz			
724.43	H	20.91	-51.92	0.00	0.51	-52.43	-13.00	39.43
699.51	V	20.82	-49.11	0.00	0.55	-49.66	-13.00	36.66
1697.600	H	48.69	-55.60	8.74	0.90	-47.76	-13.00	34.76
1697.600	V	47.11	-57.31	8.74	0.90	-49.47	-13.00	36.47
2546.400	H	42.03	-58.30	9.47	1.01	-49.84	-13.00	36.84
2546.400	V	41.76	-58.52	9.47	1.01	-50.06	-13.00	37.06
3395.200	H	38.57	-59.12	10.36	1.19	-49.95	-13.00	36.95
3395.200	V	39.11	-58.55	10.36	1.19	-49.38	-13.00	36.38

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 5 Frequency:826.4 MHz								
729.44	H	20.77	-51.96	0.00	0.53	-52.49	-13.00	39.49
726.89	V	20.82	-48.51	0.00	0.52	-49.03	-13.00	36.03
1652.800	H	41.35	-62.98	8.68	0.81	-55.11	-13.00	42.11
1652.800	V	41.69	-62.72	8.68	0.81	-54.85	-13.00	41.85
2479.200	H	39.87	-60.89	9.39	1.01	-52.51	-13.00	39.51
2479.200	V	38.64	-62.09	9.39	1.01	-53.71	-13.00	40.71
3305.600	H	40.13	-56.60	10.32	1.15	-47.43	-13.00	34.43
3305.600	V	38.85	-57.65	10.32	1.15	-48.48	-13.00	35.48
WCDMA Band 5 Frequency:836.6MHz								
701.87	H	20.83	-52.45	0.00	0.55	-53.00	-13.00	40.00
716.78	V	20.87	-48.68	0.00	0.50	-49.18	-13.00	36.18
1673.200	H	42.67	-61.64	8.71	0.85	-53.78	-13.00	40.78
1673.200	V	42.03	-62.38	8.71	0.85	-54.52	-13.00	41.52
2509.800	H	38.26	-62.35	9.42	1.01	-53.94	-13.00	40.94
2509.800	V	41.36	-59.26	9.42	1.01	-50.85	-13.00	37.85
3346.400	H	39.64	-57.53	10.34	1.16	-48.35	-13.00	35.35
3346.400	V	36.75	-60.28	10.34	1.16	-51.10	-13.00	38.10
WCDMA Band 5 Frequency:846.6MHz								
711.77	H	20.74	-52.34	0.00	0.51	-52.85	-13.00	39.85
580.90	V	21.03	-50.67	0.00	0.46	-51.13	-13.00	38.13
1693.200	H	42.52	-61.78	8.73	0.89	-53.94	-13.00	40.94
1693.200	V	43.31	-61.11	8.73	0.89	-53.27	-13.00	40.27
2539.800	H	40.35	-60.03	9.46	1.01	-51.58	-13.00	38.58
2539.800	V	36.87	-63.47	9.46	1.01	-55.02	-13.00	42.02
3386.400	H	42.13	-55.46	10.35	1.18	-46.29	-13.00	33.29
3386.400	V	39.77	-57.77	10.35	1.18	-48.60	-13.00	35.60

GSM1900:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
			Frequency:	1850.2	MHz			
211.50	H	34.61	-78.05	0.00	0.26	-78.31	-13.00	65.31
42.89	V	39.72	-53.85	-22.59	0.12	-76.56	-13.00	63.56
3700.400	H	38.67	-58.65	10.60	1.25	-49.30	-13.00	36.30
3700.400	V	37.45	-59.85	10.60	1.25	-50.50	-13.00	37.50
5550.600	H	42.35	-50.91	11.44	1.49	-40.96	-13.00	27.96
5550.600	V	38.67	-54.43	11.44	1.49	-44.48	-13.00	31.48
			Frequency:	1880	MHz			
208.56	H	34.57	-78.15	0.00	0.26	-78.41	-13.00	65.41
43.80	V	39.60	-55.14	-21.38	0.12	-76.64	-13.00	63.64
3760.000	H	38.69	-57.72	10.66	1.24	-48.30	-13.00	35.30
3760.000	V	37.96	-58.33	10.66	1.24	-48.91	-13.00	35.91
5640.000	H	41.35	-52.10	11.33	1.54	-42.31	-13.00	29.31
5640.000	V	38.77	-54.56	11.33	1.54	-44.77	-13.00	31.77
			Frequency:	1909.8	MHz			
207.83	H	34.43	-78.30	0.00	0.26	-78.56	-13.00	65.56
45.20	V	39.41	-57.09	-19.60	0.12	-76.81	-13.00	63.81
3819.600	H	38.97	-56.89	10.72	1.29	-47.46	-13.00	34.46
3819.600	V	38.12	-57.60	10.72	1.29	-48.17	-13.00	35.17
5729.400	H	41.29	-52.19	11.22	1.59	-42.56	-13.00	29.56
5729.400	V	39.35	-54.01	11.22	1.59	-44.38	-13.00	31.38

PCS Band (PART 24E)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
207.10	H	34.89	-77.86	0.00	0.26	-78.12	-13.00	65.12
43.50	V	39.40	-54.96	-21.78	0.12	-76.86	-13.00	63.86
3704.800	H	53.08	-44.18	10.60	1.25	-34.83	-13.00	21.83
3704.800	V	55.64	-41.59	10.60	1.25	-32.24	-13.00	19.24
5557.200	H	42.29	-50.99	11.43	1.49	-41.05	-13.00	28.05
5557.200	V	43.61	-49.52	11.43	1.49	-39.58	-13.00	26.58
WCDMA Band II, Frequency:1880 MHz								
211.50	H	34.67	-77.99	0.00	0.26	-78.25	-13.00	65.25
45.21	V	39.80	-56.71	-19.59	0.12	-76.42	-13.00	63.42
3760.000	H	54.43	-41.98	10.66	1.24	-32.56	-13.00	19.56
3760.000	V	54.38	-41.91	10.66	1.24	-32.49	-13.00	19.49
5640.000	H	43.04	-50.41	11.33	1.54	-40.62	-13.00	27.62
5640.000	V	44.74	-48.59	11.33	1.54	-38.80	-13.00	25.80
WCDMA Band II, Frequency:1907.6MHz								
208.56	H	34.73	-77.99	0.00	0.26	-78.25	-13.00	65.25
66.23	V	39.53	-64.36	-7.00	0.15	-71.51	-13.00	58.51
3815.200	H	55.38	-40.47	10.72	1.29	-31.04	-13.00	18.04
3815.200	V	57.44	-38.25	10.72	1.29	-28.82	-13.00	15.82
5722.800	H	42.88	-50.61	11.23	1.58	-40.96	-13.00	27.96
5722.800	V	45.69	-47.66	11.23	1.58	-38.01	-13.00	25.01

AWS Band(Part 27)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV Frequency:				1712.4	MHz			
209.29	H	34.60	-78.11	0.00	0.26	-78.37	-13.00	65.37
70.30	V	39.79	-63.00	-4.85	0.15	-68.00	-13.00	55.00
3424.800	H	54.33	-43.44	10.37	1.17	-34.24	-13.00	21.24
3424.800	V	55.43	-42.31	10.37	1.17	-33.11	-13.00	20.11
5137.200	H	43.15	-50.47	11.28	1.46	-40.65	-13.00	27.65
5137.200	V	46.70	-46.80	11.28	1.46	-36.98	-13.00	23.98
			Frequency:	1732.6	MHz			
207.83	H	34.53	-78.20	0.00	0.26	-78.46	-13.00	65.46
46.66	V	39.51	-58.43	-18.17	0.12	-76.72	-13.00	63.72
3465.200	H	52.86	-44.95	10.39	1.15	-35.71	-13.00	22.71
3465.200	V	53.56	-44.21	10.39	1.15	-34.97	-13.00	21.97
5197.800	H	43.35	-50.78	11.32	1.44	-40.90	-13.00	27.90
5197.800	V	43.83	-50.15	11.32	1.44	-40.27	-13.00	27.27
			Frequency:	1752.6	MHz			
210.76	H	34.94	-77.74	0.00	0.26	-78.00	-13.00	65.00
43.65	V	39.42	-55.13	-21.58	0.12	-76.83	-13.00	63.83
3505.200	H	51.63	-46.20	10.41	1.18	-36.97	-13.00	23.97
3505.200	V	52.21	-45.56	10.41	1.18	-36.33	-13.00	23.33
5257.800	H	43.23	-50.50	11.35	1.47	-40.62	-13.00	27.62
5257.800	V	46.12	-47.39	11.35	1.47	-37.51	-13.00	24.51

LTE Bands:
(The Worst modulation and bandwidth was below)

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1850.7 MHz								
210.76	H	35.13	-77.55	0.00	0.26	-77.81	-13.00	64.81
45.69	V	39.79	-57.19	-19.12	0.12	-76.43	-13.00	63.43
3701.400	H	57.25	-40.06	10.60	1.25	-30.71	-13.00	17.71
3701.400	V	58.16	-39.13	10.60	1.25	-29.78	-13.00	16.78
5552.100	H	50.32	-42.95	11.44	1.49	-33.00	-13.00	20.00
5552.100	V	52.49	-40.61	11.44	1.49	-30.66	-13.00	17.66
QPSK,Frequency:1880 MHz								
207.97	H	34.73	-78.00	0.00	0.26	-78.26	-13.00	65.26
45.69	V	39.86	-57.12	-19.12	0.12	-76.36	-13.00	63.36
3760.000	H	57.86	-38.55	10.66	1.24	-29.13	-13.00	16.13
3760.000	V	58.67	-37.62	10.66	1.24	-28.20	-13.00	15.20
5640.000	H	49.73	-43.72	11.33	1.54	-33.93	-13.00	20.93
5640.000	V	53.64	-39.69	11.33	1.54	-29.90	-13.00	16.90
QPSK,Frequency:1909.3 MHz								
210.17	H	35.28	-77.41	0.00	0.26	-77.67	-13.00	64.67
43.66	V	39.56	-55.00	-21.57	0.12	-76.69	-13.00	63.69
3818.600	H	58.03	-37.83	10.72	1.29	-28.40	-13.00	15.40
3818.600	V	58.62	-37.09	10.72	1.29	-27.66	-13.00	14.66
5727.900	H	50.21	-43.27	11.23	1.59	-33.63	-13.00	20.63
5727.900	V	54.01	-39.35	11.23	1.59	-29.71	-13.00	16.71

LTE Band 4 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1710.7 MHz								
209.31	H	35.15	-77.56	0.00	0.26	-77.82	-13.00	64.82
44.58	V	40.22	-55.54	-20.35	0.12	-76.01	-13.00	63.01
3421.400	H	54.12	-43.64	10.37	1.17	-34.44	-13.00	21.44
3421.400	V	58.76	-38.97	10.37	1.17	-29.77	-13.00	16.77
5132.100	H	45.11	-48.46	11.28	1.47	-38.65	-13.00	25.65
5132.100	V	46.89	-46.57	11.28	1.47	-36.76	-13.00	23.76
QPSK,Frequency:1732.5 MHz								
212.67	H	34.75	-77.89	0.00	0.27	-78.16	-13.00	65.16
43.87	V	39.81	-55.03	-21.29	0.12	-76.44	-13.00	63.44
3465.000	H	53.99	-43.82	10.39	1.15	-34.58	-13.00	21.58
3465.000	V	59.89	-37.88	10.39	1.15	-28.64	-13.00	15.64
5197.500	H	45.69	-48.44	11.32	1.44	-38.56	-13.00	25.56
5197.500	V	46.80	-47.18	11.32	1.44	-37.30	-13.00	24.30
QPSK,Frequency:1754.3MHz								
207.12	H	34.68	-78.07	0.00	0.26	-78.33	-13.00	65.33
45.28	V	39.89	-56.69	-19.53	0.12	-76.34	-13.00	63.34
3508.600	H	54.73	-43.09	10.41	1.19	-33.87	-13.00	20.87
3508.600	V	59.53	-38.23	10.41	1.19	-29.01	-13.00	16.01
5262.900	H	45.87	-47.83	11.36	1.47	-37.94	-13.00	24.94
5262.900	V	46.79	-46.68	11.36	1.47	-36.79	-13.00	23.79

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 824.7 MHz								
584.78	H	21.09	-53.07	0.00	0.46	-53.53	-13.00	40.53
727.02	V	20.76	-48.57	0.00	0.52	-49.09	-13.00	36.09
1649.400	H	40.69	-63.64	8.68	0.80	-55.76	-13.00	42.76
1649.400	V	40.08	-64.33	8.68	0.80	-56.45	-13.00	43.45
2474.100	H	38.66	-62.12	9.38	1.00	-53.74	-13.00	40.74
2474.100	V	37.84	-62.89	9.38	1.00	-54.51	-13.00	41.51
3298.800	H	37.94	-58.74	10.32	1.15	-49.57	-13.00	36.57
3298.800	V	38.36	-58.08	10.32	1.15	-48.91	-13.00	35.91
QPSK, Frequency: 836.5 MHz								
729.19	H	20.76	-51.97	0.00	0.53	-52.50	-13.00	39.50
714.40	V	20.72	-48.89	0.00	0.50	-49.39	-13.00	36.39
1673.000	H	41.56	-62.75	8.71	0.85	-54.89	-13.00	41.89
1673.000	V	40.35	-64.06	8.71	0.85	-56.20	-13.00	43.20
2509.500	H	39.87	-60.74	9.42	1.01	-52.33	-13.00	39.33
2509.500	V	37.25	-63.37	9.42	1.01	-54.96	-13.00	41.96
3346.000	H	37.42	-59.74	10.34	1.16	-50.56	-13.00	37.56
3346.000	V	36.88	-60.14	10.34	1.16	-50.96	-13.00	37.96
QPSK, Frequency: 848.3 MHz								
706.56	H	20.59	-52.60	0.00	0.54	-53.14	-13.00	40.14
576.95	V	20.85	-50.85	0.00	0.46	-51.31	-13.00	38.31
1696.600	H	41.43	-62.86	8.74	0.89	-55.01	-13.00	42.01
1696.600	V	40.76	-63.66	8.74	0.89	-55.81	-13.00	42.81
2544.900	H	39.74	-60.60	9.47	1.01	-52.14	-13.00	39.14
2544.900	V	38.59	-61.71	9.47	1.01	-53.25	-13.00	40.25
3393.200	H	36.75	-60.92	10.36	1.19	-51.75	-13.00	38.75
3393.200	V	38.49	-59.14	10.36	1.19	-49.97	-13.00	36.97

LTE Band 7:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2502.5 MHz								
210.02	H	34.65	-78.04	0.00	0.26	-78.30	-25.00	53.30
70.09	V	39.83	-62.83	-4.96	0.15	-67.94	-25.00	42.94
5005.000	H	45.37	-47.59	11.20	1.47	-37.86	-25.00	12.86
5005.000	V	46.08	-46.74	11.20	1.47	-37.01	-25.00	12.01
7507.500	H	35.79	-54.00	10.90	1.95	-45.05	-25.00	20.05
7507.500	V	36.18	-54.11	10.90	1.95	-45.16	-25.00	20.16
5MHz QPSK, Frequency: 2535 MHz								
211.50	H	34.80	-77.86	0.00	0.26	-78.12	-25.00	53.12
45.71	V	39.62	-57.38	-19.10	0.12	-76.60	-25.00	51.60
5070.000	H	44.37	-48.82	11.24	1.47	-39.05	-25.00	14.05
5070.000	V	46.60	-46.49	11.24	1.47	-36.72	-25.00	11.72
7605.000	H	37.52	-51.95	10.88	2.01	-43.08	-25.00	18.08
7605.000	V	36.95	-53.24	10.88	2.01	-44.37	-25.00	19.37
5MHz QPSK, Frequency: 2567.5 MHz								
206.38	H	36.52	-76.24	0.00	0.26	-76.50	-25.00	51.50
45.07	V	39.70	-56.67	-19.73	0.12	-76.52	-25.00	51.52
5135.000	H	44.86	-48.74	11.28	1.47	-38.93	-25.00	13.93
5135.000	V	45.79	-47.70	11.28	1.47	-37.89	-25.00	12.89
7702.500	H	36.45	-53.07	10.86	1.97	-44.18	-25.00	19.18
7702.500	V	37.13	-53.05	10.86	1.97	-44.16	-25.00	19.16

LTE Band 12:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 699.7 MHz								
564.76	H	20.46	-54.09	0.00	0.46	-54.55	-13.00	41.55
491.02	V	20.61	-51.33	0.00	0.44	-51.77	-13.00	38.77
1399.400	H	35.76	-67.94	8.22	0.71	-60.43	-13.00	47.43
1399.400	V	34.89	-68.86	8.22	0.71	-61.35	-13.00	48.35
2099.100	H	38.54	-63.34	9.16	0.91	-55.09	-13.00	42.09
2099.100	V	37.98	-63.85	9.16	0.91	-55.60	-13.00	42.60
2798.800	H	37.42	-62.51	9.88	1.04	-53.67	-13.00	40.67
2798.800	V	36.89	-62.91	9.88	1.04	-54.07	-13.00	41.07
1.4MHz QPSK, Frequency: 707.5 MHz								
508.42	H	20.51	-55.15	0.00	0.45	-55.60	-13.00	42.60
547.35	V	20.57	-51.08	0.00	0.47	-51.55	-13.00	38.55
1415.000	H	35.69	-67.98	8.26	0.72	-60.44	-13.00	47.44
1415.000	V	34.99	-68.73	8.26	0.72	-61.19	-13.00	48.19
2122.500	H	36.89	-65.10	9.17	0.92	-56.85	-13.00	43.85
2122.500	V	38.13	-63.84	9.17	0.92	-55.59	-13.00	42.59
2830.000	H	38.64	-61.16	9.93	1.06	-52.29	-13.00	39.29
2830.000	V	38.64	-61.09	9.93	1.06	-52.22	-13.00	39.22
1.4MHz QPSK, Frequency: 715.3 MHz								
618.21	H	20.54	-53.22	0.00	0.49	-53.71	-13.00	40.71
645.31	V	20.59	-50.32	0.00	0.52	-50.84	-13.00	37.84
1430.600	H	35.37	-68.26	8.31	0.73	-60.68	-13.00	47.68
1430.600	V	35.16	-68.53	8.31	0.73	-60.95	-13.00	47.95
2145.900	H	38.41	-63.69	9.19	0.93	-55.43	-13.00	42.43
2145.900	V	37.63	-64.48	9.19	0.93	-56.22	-13.00	43.22
2861.200	H	36.79	-62.86	9.98	1.07	-53.95	-13.00	40.95
2861.200	V	37.25	-62.42	9.98	1.07	-53.51	-13.00	40.51

LTE Band 17:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 706.5 MHz								
501.45	H	20.68	-55.12	0.00	0.45	-55.57	-13.00	42.57
605.88	V	20.70	-50.92	0.00	0.49	-51.41	-13.00	38.41
1413.000	H	35.79	-67.88	8.26	0.72	-60.34	-13.00	47.34
1413.000	V	36.08	-67.64	8.26	0.72	-60.10	-13.00	47.10
2119.500	H	38.65	-63.32	9.17	0.92	-55.07	-13.00	42.07
2119.500	V	37.85	-64.10	9.17	0.92	-55.85	-13.00	42.85
2826.000	H	36.57	-63.24	9.92	1.06	-54.38	-13.00	41.38
2826.000	V	37.41	-62.33	9.92	1.06	-53.47	-13.00	40.47
5MHz QPSK, Frequency: 710 MHz								
574.86	H	20.52	-53.84	0.00	0.46	-54.30	-13.00	41.30
528.51	V	20.56	-51.06	0.00	0.44	-51.50	-13.00	38.50
1420.000	H	36.24	-67.42	8.28	0.73	-59.87	-13.00	46.87
1420.000	V	37.64	-66.07	8.28	0.73	-58.52	-13.00	45.52
2130.000	H	39.64	-62.38	9.18	0.92	-54.12	-13.00	41.12
2130.000	V	38.97	-63.04	9.18	0.92	-54.78	-13.00	41.78
2840.000	H	37.65	-62.10	9.94	1.06	-53.22	-13.00	40.22
2840.000	V	37.48	-62.23	9.94	1.06	-53.35	-13.00	40.35
5MHz QPSK, Frequency: 713.5 MHz								
549.27	H	20.49	-54.37	0.00	0.47	-54.84	-13.00	41.84
589.19	V	20.63	-51.08	0.00	0.48	-51.56	-13.00	38.56
1427.000	H	37.89	-65.75	8.30	0.73	-58.18	-13.00	45.18
1427.000	V	38.43	-65.26	8.30	0.73	-57.69	-13.00	44.69
2140.500	H	40.65	-61.42	9.18	0.93	-53.17	-13.00	40.17
2140.500	V	39.75	-62.33	9.18	0.93	-54.08	-13.00	41.08
2854.000	H	35.63	-64.06	9.97	1.07	-55.16	-13.00	42.16
2854.000	V	34.95	-64.73	9.97	1.07	-55.83	-13.00	42.83

LTE Band 25:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 1850.7 MHz								
207.85	H	34.54	-78.19	0.00	0.26	-78.45	-13.00	65.45
45.37	V	39.43	-57.23	-19.44	0.12	-76.79	-13.00	63.79
3700.800	H	53.76	-43.56	10.60	1.25	-34.21	-13.00	21.21
3700.800	V	54.03	-43.27	10.60	1.25	-33.92	-13.00	20.92
5551.200	H	40.59	-52.67	11.44	1.49	-42.72	-13.00	29.72
5551.200	V	42.31	-50.79	11.44	1.49	-40.84	-13.00	27.84
1.4MHz QPSK, Frequency: 1882.5 MHz								
205.67	H	34.43	-78.35	0.00	0.26	-78.61	-13.00	65.61
42.90	V	39.63	-53.95	-22.57	0.12	-76.64	-13.00	63.64
3765.000	H	54.23	-42.10	10.67	1.25	-32.68	-13.00	19.68
3765.000	V	54.39	-41.82	10.67	1.25	-32.40	-13.00	19.40
5647.500	H	41.39	-52.06	11.32	1.55	-42.29	-13.00	29.29
5647.500	V	43.69	-49.64	11.32	1.55	-39.87	-13.00	26.87
1.4MHz QPSK, Frequency: 1914.3 MHz								
210.78	H	34.61	-78.07	0.00	0.26	-78.33	-13.00	65.33
66.26	V	39.87	-64.01	-6.98	0.15	-71.14	-13.00	58.14
3828.600	H	54.62	-41.28	10.73	1.28	-31.83	-13.00	18.83
3828.600	V	54.29	-41.48	10.73	1.28	-32.03	-13.00	19.03
5742.900	H	41.47	-52.01	11.21	1.60	-42.40	-13.00	29.40
5742.900	V	42.83	-50.53	11.21	1.60	-40.92	-13.00	27.92

LTE Band 26:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 814.7 MHz								
726.87	H	20.83	-51.95	0.00	0.52	-52.47	-13.00	39.47
714.40	V	20.75	-48.86	0.00	0.50	-49.36	-13.00	36.36
1629.400	H	38.98	-65.37	8.66	0.81	-57.52	-13.00	44.52
1629.400	V	38.81	-65.60	8.66	0.81	-57.75	-13.00	44.75
2444.100	H	35.64	-65.25	9.37	1.00	-56.88	-13.00	43.88
2444.100	V	35.29	-65.46	9.37	1.00	-57.09	-13.00	44.09
3258.800	H	37.56	-59.30	10.30	1.17	-50.17	-13.00	37.17
3258.800	V	37.43	-59.18	10.30	1.17	-50.05	-13.00	37.05
1.4MHz QPSK, Frequency: 831.5 MHz								
631.84	H	20.74	-52.95	0.00	0.49	-53.44	-13.00	40.44
732.13	V	21.04	-48.18	0.00	0.53	-48.71	-13.00	35.71
1663.000	H	39.12	-65.20	8.70	0.83	-57.33	-13.00	44.33
1663.000	V	38.69	-65.72	8.70	0.83	-57.85	-13.00	44.85
2494.500	H	35.52	-65.18	9.40	1.01	-56.79	-13.00	43.79
2494.500	V	35.33	-65.38	9.40	1.01	-56.99	-13.00	43.99
3326.000	H	37.34	-59.61	10.33	1.16	-50.44	-13.00	37.44
3326.000	V	38.02	-58.75	10.33	1.16	-49.58	-13.00	36.58
1.4MHz QPSK, Frequency: 848.3 MHz								
706.79	H	20.76	-52.42	0.00	0.54	-52.96	-13.00	39.96
684.99	V	20.71	-49.48	0.00	0.53	-50.01	-13.00	37.01
1696.600	H	38.69	-65.60	8.74	0.89	-57.75	-13.00	44.75
1696.600	V	38.57	-65.85	8.74	0.89	-58.00	-13.00	45.00
2544.900	H	34.97	-65.37	9.47	1.01	-56.91	-13.00	43.91
2544.900	V	35.07	-65.23	9.47	1.01	-56.77	-13.00	43.77
3393.200	H	38.12	-59.55	10.36	1.19	-50.38	-13.00	37.38
3393.200	V	37.66	-59.97	10.36	1.19	-50.80	-13.00	37.80

LTE Band 38:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2572.5 MHz								
206.39	H	34.58	-78.18	0.00	0.26	-78.44	-25.00	53.44
45.21	V	39.80	-56.71	-19.59	0.12	-76.42	-25.00	51.42
5145.000	H	45.37	-48.31	11.29	1.44	-38.46	-25.00	13.46
5145.000	V	45.71	-47.86	11.29	1.44	-38.01	-25.00	13.01
7717.500	H	34.79	-54.72	10.86	1.99	-45.85	-25.00	20.85
7717.500	V	35.07	-55.06	10.86	1.99	-46.19	-25.00	21.19
5MHz QPSK, Frequency: 2595 MHz								
211.52	H	34.63	-78.03	0.00	0.26	-78.29	-25.00	53.29
70.80	V	39.74	-63.35	-4.60	0.15	-68.10	-25.00	43.10
5190.000	H	44.65	-49.42	11.31	1.44	-39.55	-25.00	14.55
5190.000	V	44.16	-49.76	11.31	1.44	-39.89	-25.00	14.89
7785.000	H	35.12	-54.37	10.84	1.99	-45.52	-25.00	20.52
7785.000	V	34.79	-55.13	10.84	1.99	-46.28	-25.00	21.28
5MHz QPSK, Frequency: 2617.5 MHz								
204.95	H	34.73	-78.06	0.00	0.26	-78.32	-25.00	53.32
47.25	V	39.46	-59.06	-17.60	0.12	-76.78	-25.00	51.78
5235.000	H	44.78	-49.12	11.34	1.46	-39.24	-25.00	14.24
5235.000	V	45.12	-48.59	11.34	1.46	-38.71	-25.00	13.71
7852.500	H	35.13	-54.06	10.83	2.03	-45.26	-25.00	20.26
7852.500	V	35.27	-54.31	10.83	2.03	-45.51	-25.00	20.51

LTE Band 41(2535- 2655 MHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2537.5 MHz								
208.50	H	34.80	-77.92	0.00	0.26	-78.18	-25.00	53.18
45.85	V	40.12	-57.02	-18.97	0.12	-76.11	-25.00	51.11
5070.000	H	45.32	-47.87	11.24	1.47	-38.10	-25.00	13.10
5070.000	V	45.76	-47.33	11.24	1.47	-37.56	-25.00	12.56
7605.000	H	35.28	-54.19	10.88	2.01	-45.32	-25.00	20.32
7605.000	V	35.34	-54.85	10.88	2.01	-45.98	-25.00	20.98
5MHz QPSK, Frequency: 2595 MHz								
207.12	H	34.69	-78.06	0.00	0.26	-78.32	-25.00	53.32
44.90	V	39.89	-56.28	-19.93	0.12	-76.33	-25.00	51.33
5186.000	H	44.93	-49.10	11.31	1.44	-39.23	-25.00	14.23
5186.000	V	45.27	-48.62	11.31	1.44	-38.75	-25.00	13.75
7779.000	H	35.11	-54.38	10.84	1.99	-45.53	-25.00	20.53
7779.000	V	35.07	-54.87	10.84	1.99	-46.02	-25.00	21.02
5MHz QPSK, Frequency: 2652.5 MHz								
210.04	H	34.56	-78.13	0.00	0.26	-78.39	-25.00	53.39
48.49	V	39.50	-60.24	-16.38	0.12	-76.74	-25.00	51.74
5310.000	H	44.83	-48.61	11.39	1.46	-38.68	-25.00	13.68
5310.000	V	45.07	-48.14	11.39	1.46	-38.21	-25.00	13.21
7965.000	H	35.23	-53.12	10.81	2.09	-44.40	-25.00	19.40
7965.000	V	35.41	-53.40	10.81	2.09	-44.68	-25.00	19.68

LTE Band 66:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 1710.7 MHz								
212.24	H	34.89	-77.76	0.00	0.26	-78.02	-13.00	65.02
45.21	V	39.43	-57.08	-19.59	0.12	-76.79	-13.00	63.79
3421.400	H	58.63	-39.13	10.37	1.17	-29.93	-13.00	16.93
3421.400	V	57.49	-40.24	10.37	1.17	-31.04	-13.00	18.04
5132.100	H	44.76	-48.81	11.28	1.47	-39.00	-13.00	26.00
5132.100	V	44.82	-48.64	11.28	1.47	-38.83	-13.00	25.83
1.4MHz QPSK, Frequency: 1745 MHz								
209.29	H	34.71	-78.00	0.00	0.26	-78.26	-13.00	65.26
44.12	V	39.68	-55.48	-20.96	0.12	-76.56	-13.00	63.56
3490.000	H	59.23	-38.61	10.40	1.17	-29.38	-13.00	16.38
3490.000	V	52.59	-45.19	10.40	1.17	-35.96	-13.00	22.96
5235.000	H	44.28	-49.62	11.34	1.46	-39.74	-13.00	26.74
5235.000	V	44.73	-48.98	11.34	1.46	-39.10	-13.00	26.10
1.4MHz QPSK, Frequency: 1779.3 MHz								
207.10	H	34.84	-77.91	0.00	0.26	-78.17	-13.00	65.17
46.17	V	39.26	-58.19	-18.65	0.12	-76.96	-13.00	63.96
3558.600	H	58.67	-39.00	10.46	1.22	-29.76	-13.00	16.76
3558.600	V	55.49	-42.08	10.46	1.22	-32.84	-13.00	19.84
5337.900	H	43.76	-49.71	11.40	1.47	-39.78	-13.00	26.78
5337.900	V	44.09	-49.24	11.40	1.47	-39.31	-13.00	26.31

Note:

1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
3) Margin = Limit-Absolute Level

5. EUT PHOTOGRAPHS

Please refer to the attachment CR230953899-EXP EUT EXTERNAL PHOTOGRAPHS and CR230953899-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230953899-00G-TSP TEST SETUP PHOTOGRAPHS.

==== END OF REPORT =====