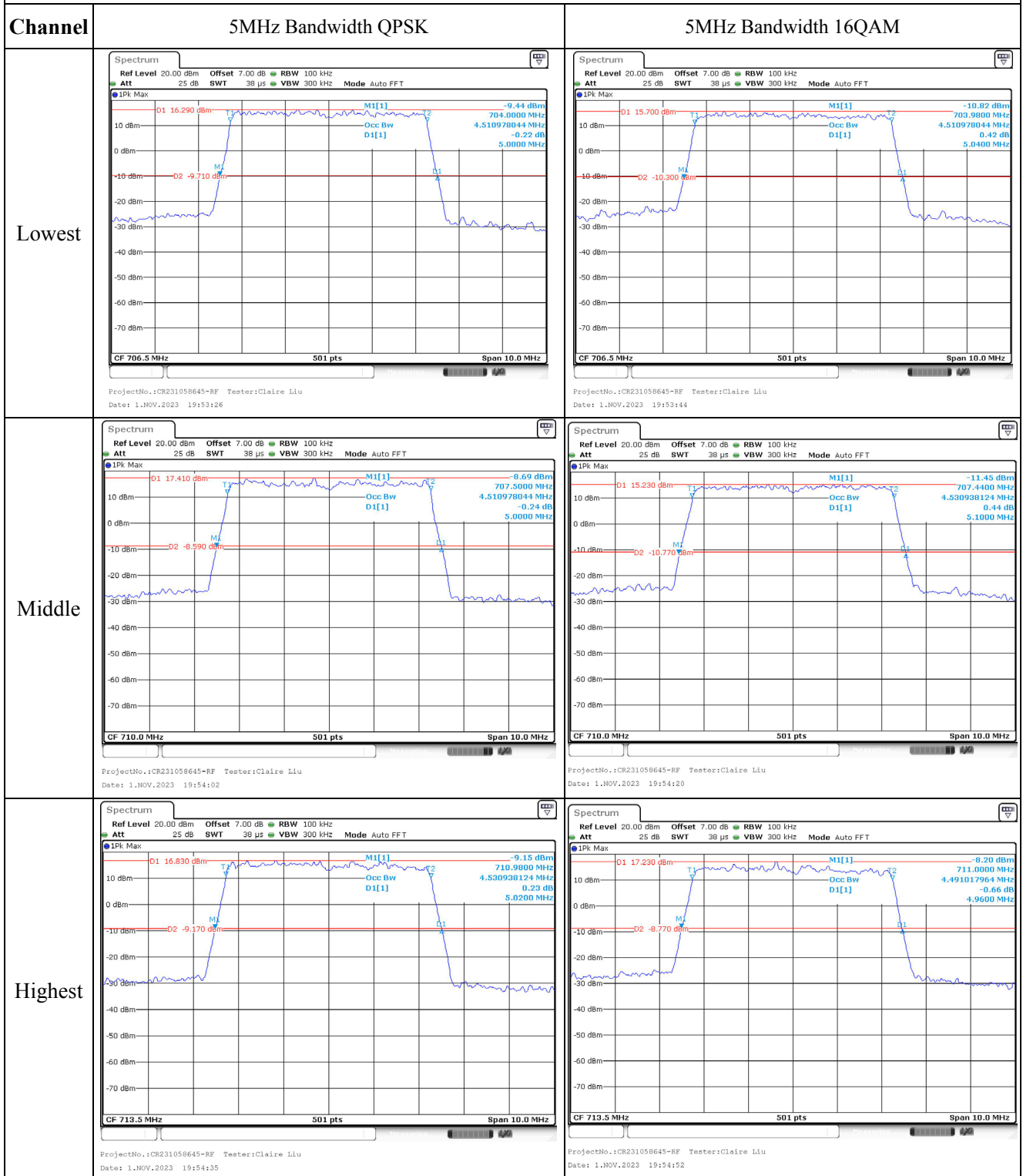


Test Plots (Note: The 7 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



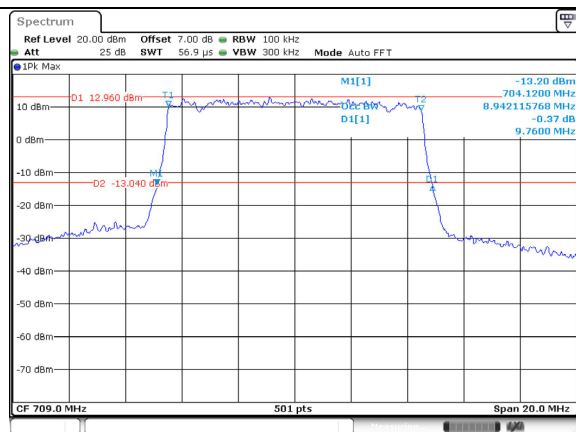
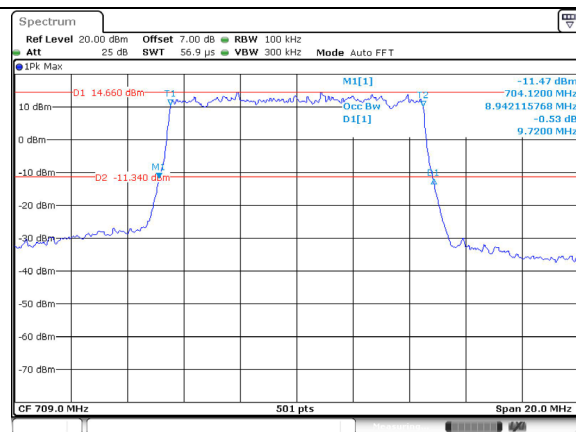
Occupied Bandwidth

Channel

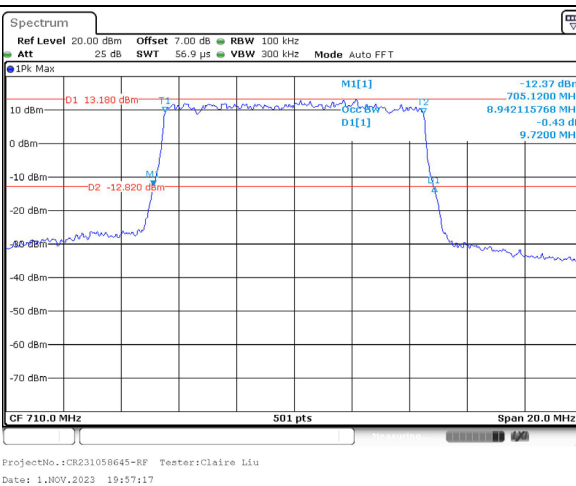
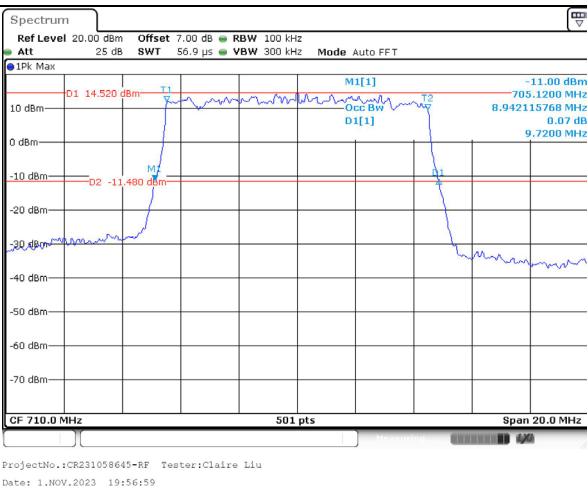
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

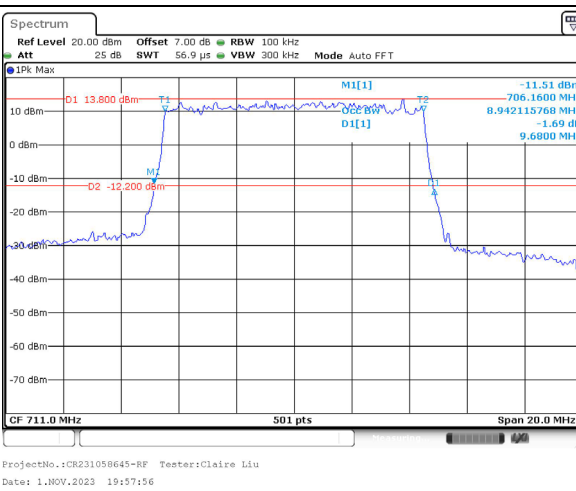
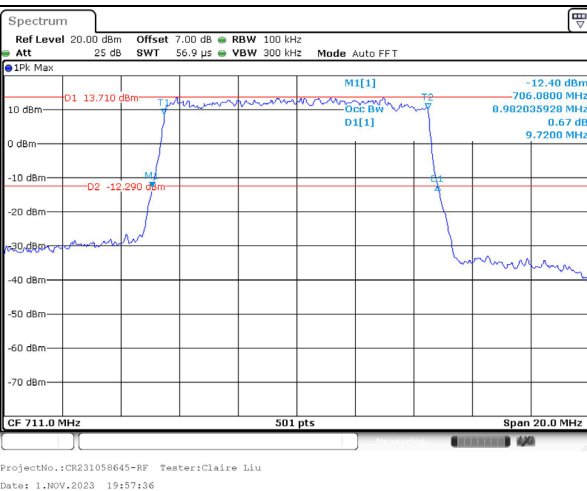
Lowest



Middle



Highest

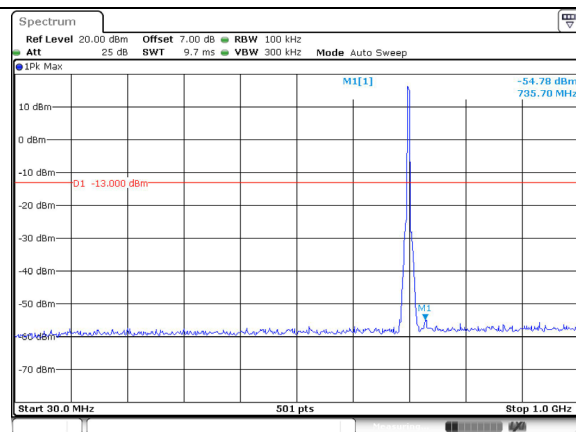


Spurious Emissions at Antenna Terminal

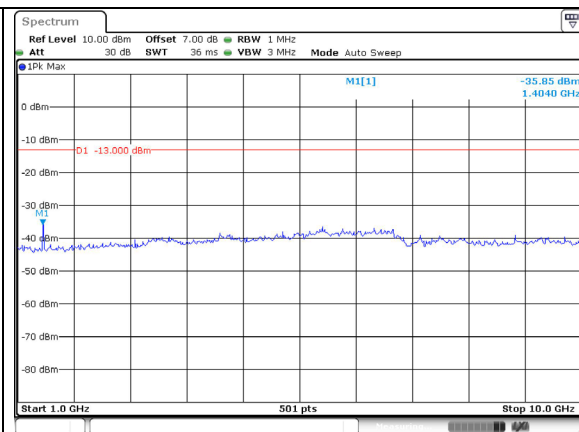
Channel

5MHz Bandwidth QPSK

Lowest

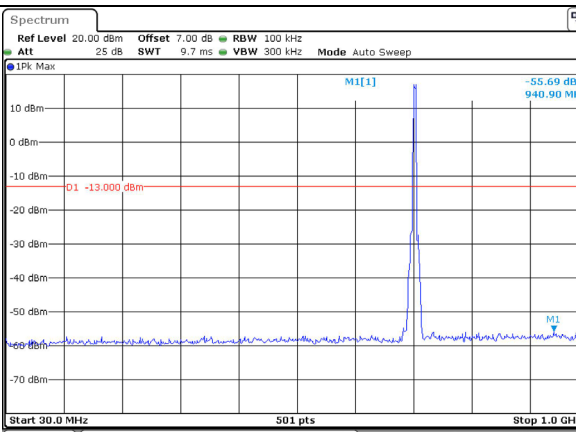


ProjectNo.:CR231058645-RF Tester: Claire Liu
Date: 2.NOV.2023 14:05:04

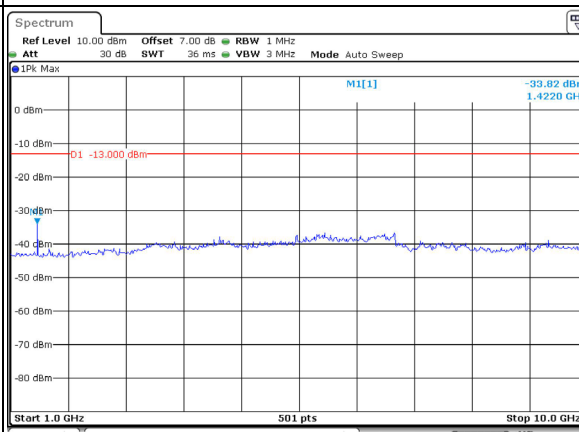


ProjectNo.:CR231058645-RF Tester: Claire Liu
Date: 2.NOV.2023 14:05:32

Middle

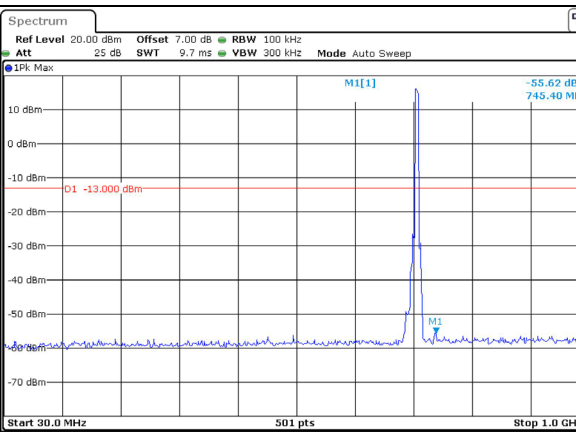


ProjectNo.:CR231058645-RF Tester: Claire Liu
Date: 2.NOV.2023 14:06:00

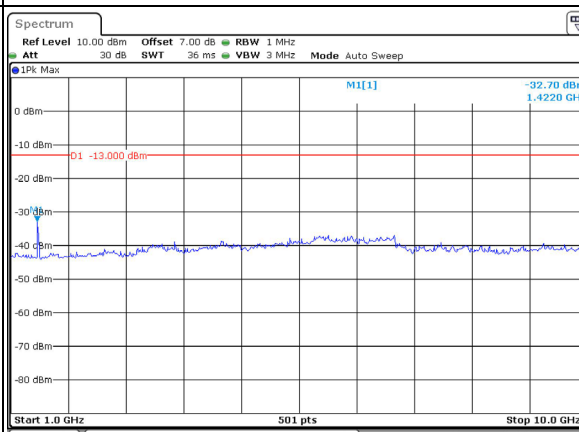


ProjectNo.:CR231058645-RF Tester: Claire Liu
Date: 2.NOV.2023 14:06:28

Highest



ProjectNo.:CR231058645-RF Tester: Claire Liu
Date: 2.NOV.2023 14:06:50



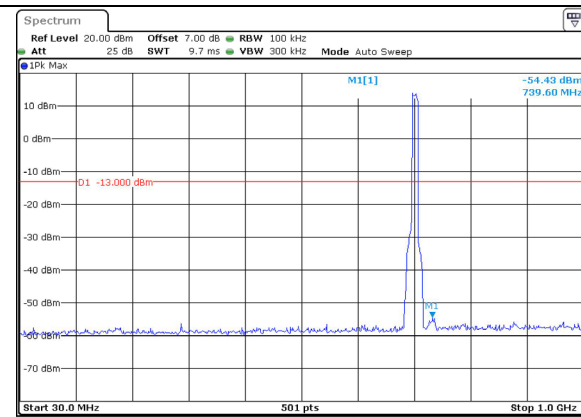
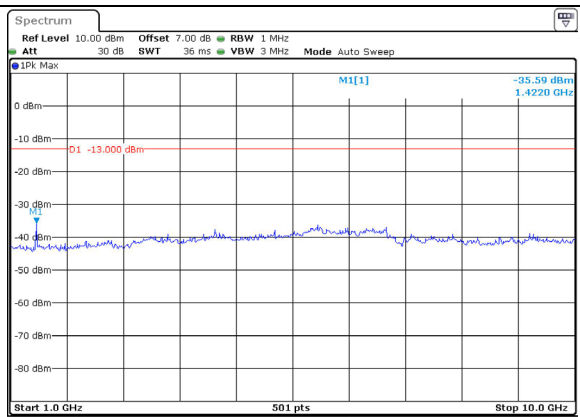
ProjectNo.:CR231058645-RF Tester: Claire Liu
Date: 2.NOV.2023 14:07:15

Spurious Emissions at Antenna Terminal

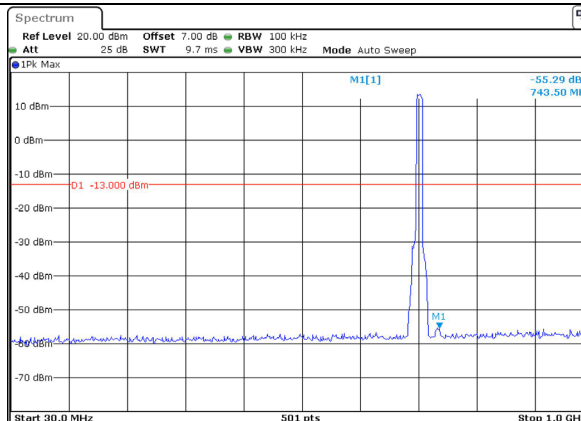
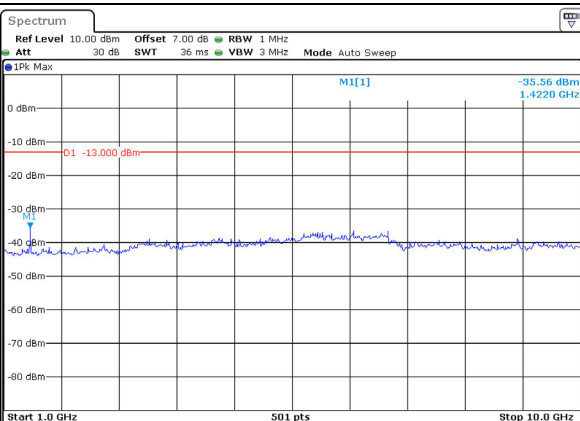
Channel

10MHz Bandwidth QPSK

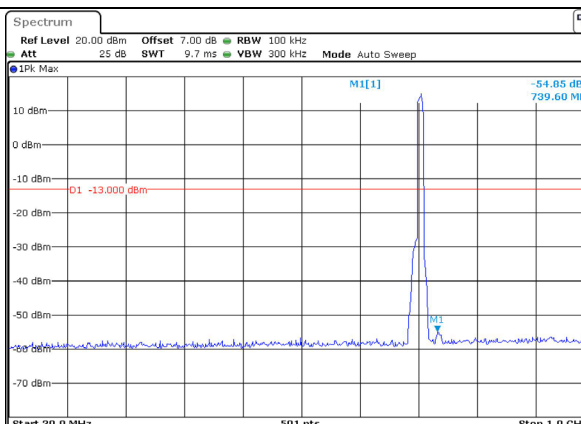
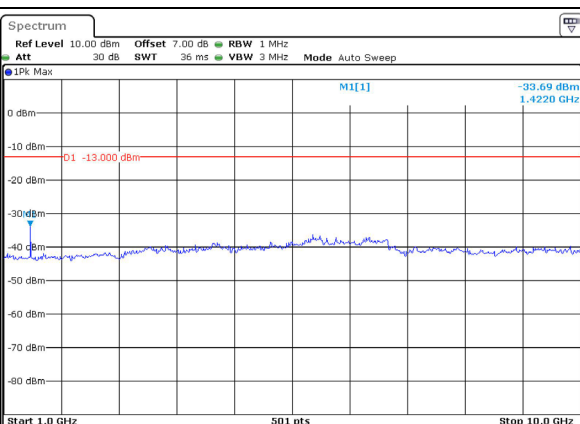
Lowest

ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 14:08:47ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 14:09:15

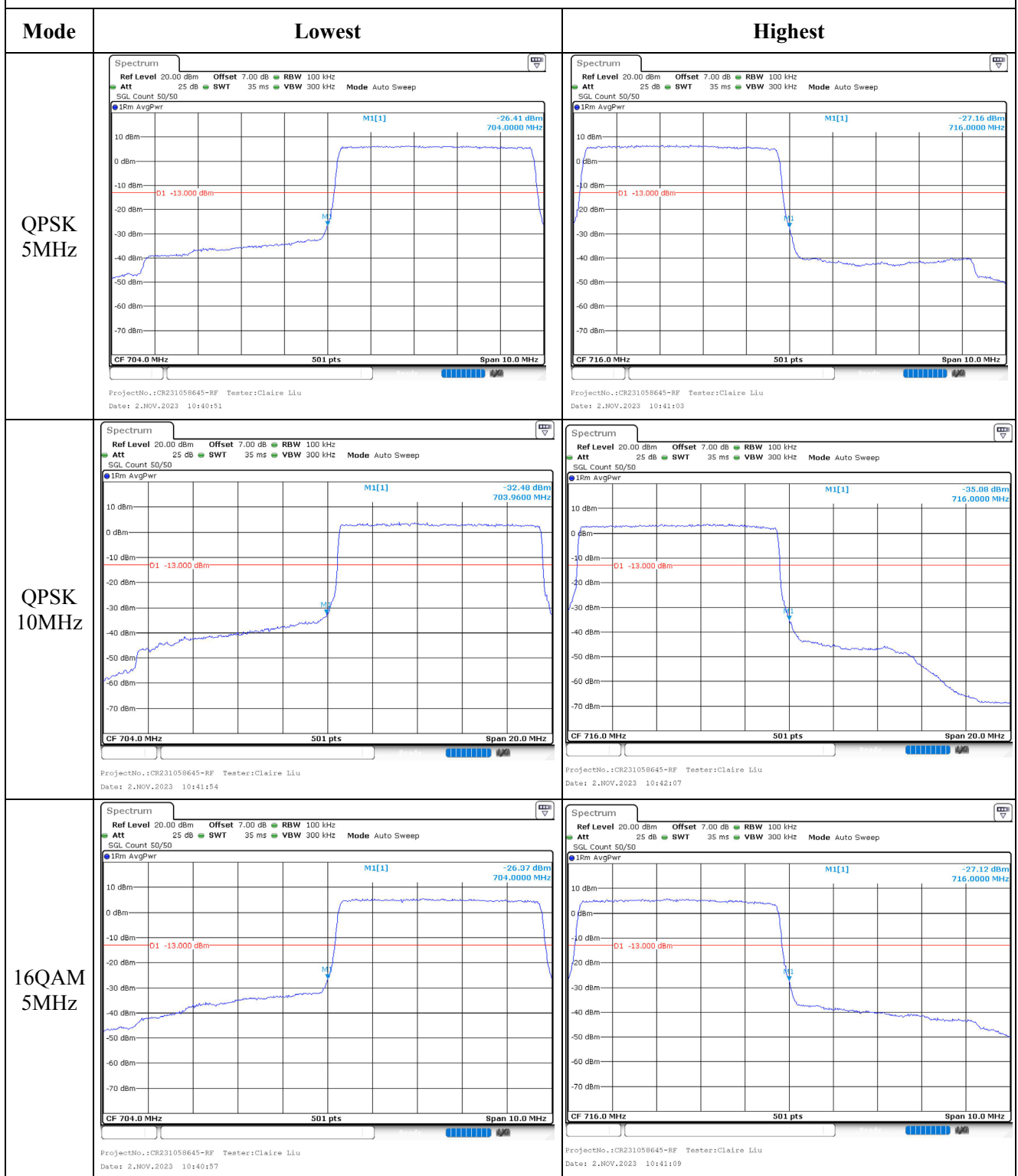
Middle

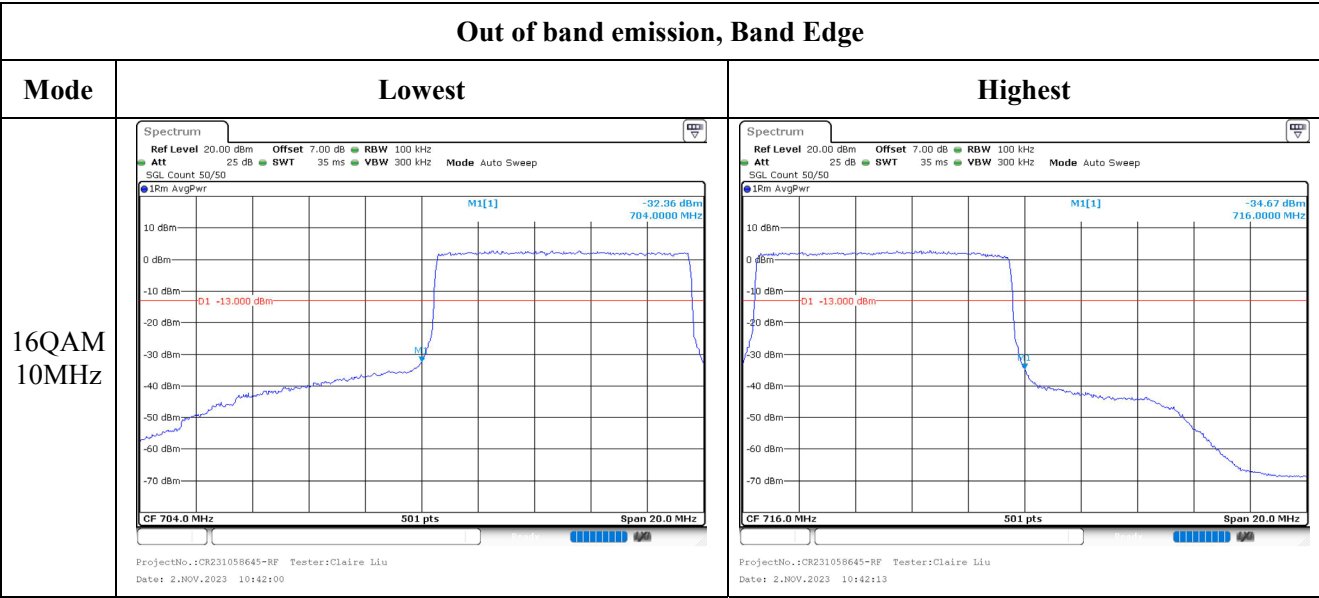
ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 14:09:46ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 14:10:14

Highest

ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 14:10:42ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 14:11:07

Out of band emission, Band Edge





4.11 Antenna Port Test Data and Results for LTE Band 26

Serial Number:	2C04-1	Test Date:	2023/10/29-2023/12/12
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.3-25.6	Relative Humidity: (%)	45-58	ATM Pressure: (kPa)	101-101.54
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/23	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211003	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
Unknown	Coaxial tee connector	Unknown	2204004	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
R&S	Spectrum Analyzer	FSV40	101590	2023/11/16	2024/11/15

** 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

Note: 15MHz bandwidth 821.5MHz cross Rules 90S and 22H.

4.11.1 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	24.5	24.38	23.22	21.93	50
	RB1#3	24.54	24.49	23.14		
	RB1#5	24.55	24.25	22.97		
	RB3#0	24.27	24.39	23.02		
	RB3#3	24.23	24.32	22.99		
	RB6#0	23.07	23.34	22.1		
1.4MHz 16QAM	RB1#0	23.19	23.43	23.19	21.07	50
	RB1#3	23.47	23.51	22.94		
	RB1#5	23.39	23.29	23.08		
	RB3#0	23.33	23.58	22.02		
	RB3#3	23.33	23.69	22.04		
	RB6#0	22.15	22.48	22.14		
3MHz QPSK	RB1#0	24.52	24.66	23.11	22.04	50
	RB1#8	24.21	24.41	23.19		
	RB1#14	24.66	24.6	22.97		
	RB6#0	23.33	23.43	22.12		
	RB6#9	23.12	23.28	22.03		
	RB15#0	23.35	23.41	22.15		
3MHz 16QAM	RB1#0	23.82	23.69	23.11	21.36	50
	RB1#8	23.73	23.56	23.4		
	RB1#14	23.98	23.71	23.15		
	RB6#0	22.23	22.5	22.24		
	RB6#9	22.24	22.63	22.06		
	RB15#0	22.24	22.47	22.14		
5MHz QPSK	RB1#0	24.44	24.48	23.19	21.89	50
	RB1#13	24.14	24.43	22.92		
	RB1#24	24.47	24.51	22.79		
	RB15#0	23.24	23.35	22.19		
	RB15#10	23.42	23.34	22.12		
	RB25#0	23.26	23.49	22.1		
5MHz 16QAM	RB1#0	23.86	22.99	21.67	21.24	50
	RB1#13	23.51	23.17	22.23		
	RB1#24	23.82	22.89	21.67		
	RB15#0	22.17	22.35	22.08		
	RB15#10	22.24	22.45	22.13		
	RB25#0	22.33	22.54	20.98		
10MHz QPSK	RB1#0	24.25	/	22.55	21.81	50
	RB1#25	24.28	/	22.3		

	RB1#49	24.43	/	22.36		
	RB25#0	23.37	/	21.12		
	RB25#25	23.55	/	21.21		
	RB50#0	23.62	/	21.31		
10MHz 16QAM	RB1#0	24.24	/	22.2	21.62	50
	RB1#25	23.72	/	21.87		
	RB1#49	24.11	/	21.9		
	RB25#0	22.77	/	21.15		
	RB25#25	22.64	/	21.07		
	RB50#0	22.7	/	21.26		
15MHz QPSK	RB1#0	23.2	/	22.58	20.79	50
	RB1#38	23.41	/	22.46		
	RB1#74	23.31	/	22.27		
	RB36#0	22.33	/	21.32		
	RB36#39	22.24	/	21.25		
	RB75#0	22.37	/	21.2		
15MHz 16QAM	RB1#0	22.6	/	22.57	20.79	50
	RB1#38	22.26	/	22.47		
	RB1#74	22.78	/	22.38		
	RB36#0	21.23	/	21.24		
	RB36#39	21.15	/	21.28		
	RB75#0	21.33	/	21.23		

Note:

ERP= Conducted Power(dBm) - Lc(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	1.102	1.102	1.102	1.32	1.29	1.285
1.4MHz 16QAM	1.102	1.102	1.094	1.314	1.308	1.311
3MHz QPSK	2.965	2.965	2.683	2.938	2.94	2.935
3MHz 16QAM	2.983	2.965	2.683	2.964	2.952	2.961
5MHz QPSK	4.511	4.511	4.486	5.06	5.04	4.894
5MHz 16QAM	4.531	4.551	4.457	5.02	5	4.822
10MHz QPSK	8.942	/	8.915	9.68	/	9.438
10MHz 16QAM	8.942	/	8.915	9.68	/	9.41
15MHz QPSK	13.413	/	13.372	14.072	/	14.113
15MHz 16QAM	13.413	/	13.372	14.251	/	13.983

Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
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Out of band emission, Band Edge

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

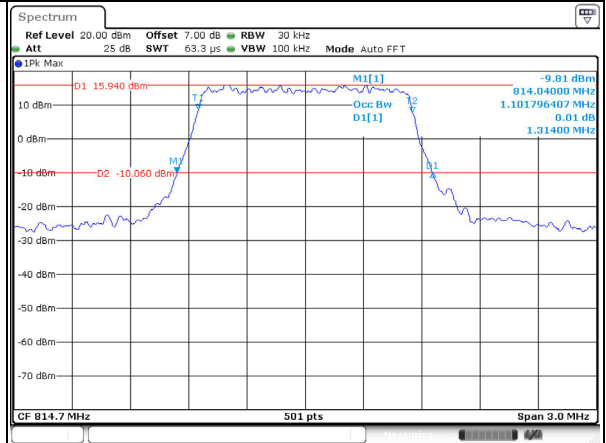
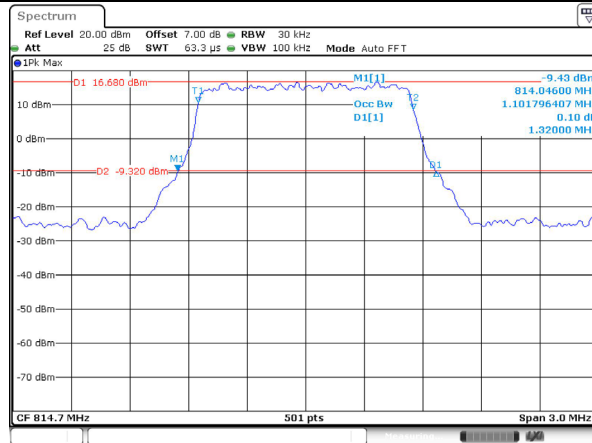
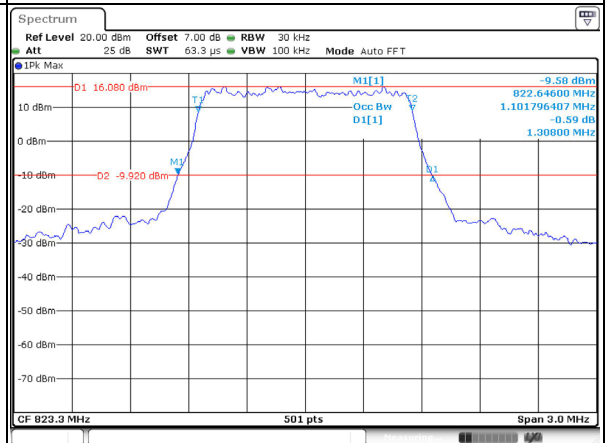
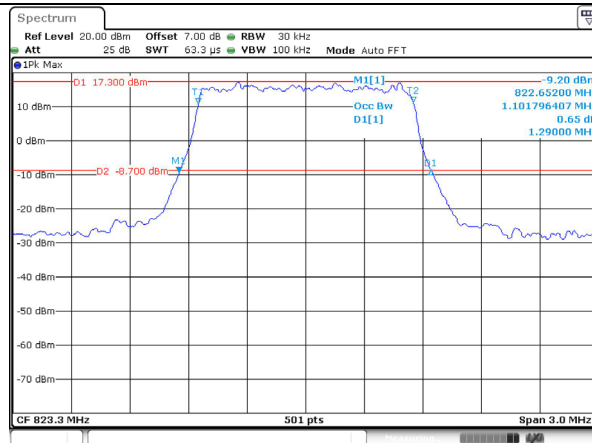
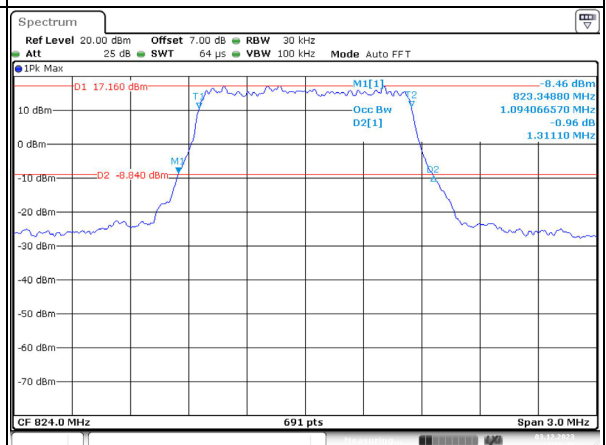
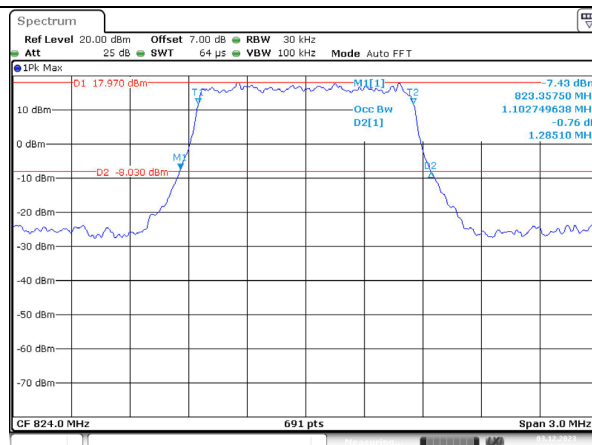
Test Modulation:	15 MHz QPSK		Test Channel:	821.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	7.6	1.86	0.002	2.5
	-20	7.6	-2.88	-0.003	2.5
	-10	7.6	0.58	0.001	2.5
	0	7.6	-2.79	-0.003	2.5
	10	7.6	-1.62	-0.002	2.5
	20	7.6	-0.64	-0.001	2.5
	30	7.6	-1.19	-0.001	2.5
	40	7.6	-1.36	-0.002	2.5
	50	7.6	-2.88	-0.003	2.5
Frequency Stability vs. Voltage	20	6.8	0.97	0.001	2.5
	20	8.7	1.32	0.002	2.5
Result:				Pass	

Frequency Stability

Test Modulation:	15 MHz 16QAM		Test Channel:	821.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	7.6	0.89	0.001	2.5
	-20	7.6	0.5	0.001	2.5
	-10	7.6	0.11	0.000	2.5
	0	7.6	-2.99	-0.004	2.5
	10	7.6	-0.58	-0.001	2.5
	20	7.6	-1.34	-0.002	2.5
	30	7.6	-0.85	-0.001	2.5
	40	7.6	-0.41	0.000	2.5
	50	7.6	-1.05	-0.001	2.5
Frequency Stability vs. Voltage	20	6.8	-2.52	-0.003	2.5
	20	8.7	-2.59	-0.003	2.5
Result:				Pass	

4.11.2 Test Plots for Part 90S:

(Note: The 7dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth**Channel****1.4MHz Bandwidth QPSK****1.4MHz Bandwidth 16QAM****Lowest
For 90S**ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 20:27:42ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 20:28:01**Highest
For 90S**ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 20:28:43ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 2.NOV.2023 20:28:56**Cross
Channel**ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 3.DEC.2023 14:47:23ProjectNo.:CR231058645-RF Tester:Claire Liu
Date: 3.DEC.2023 14:50:18