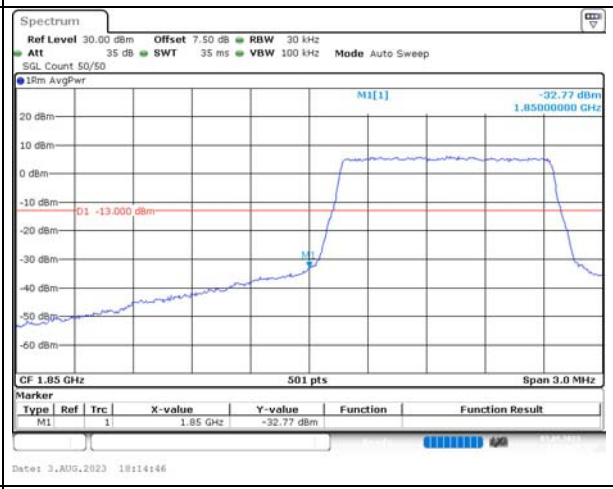
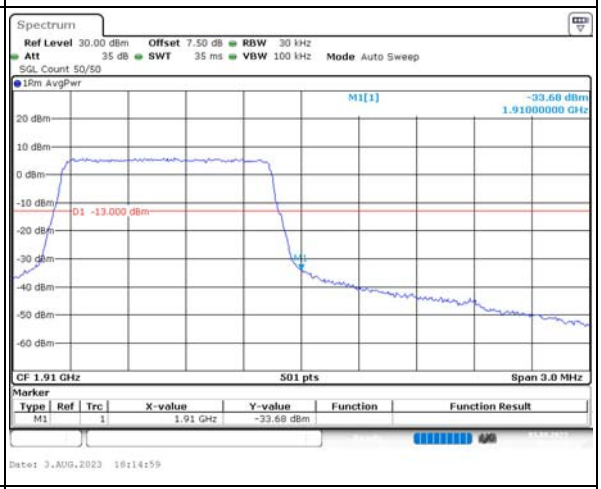
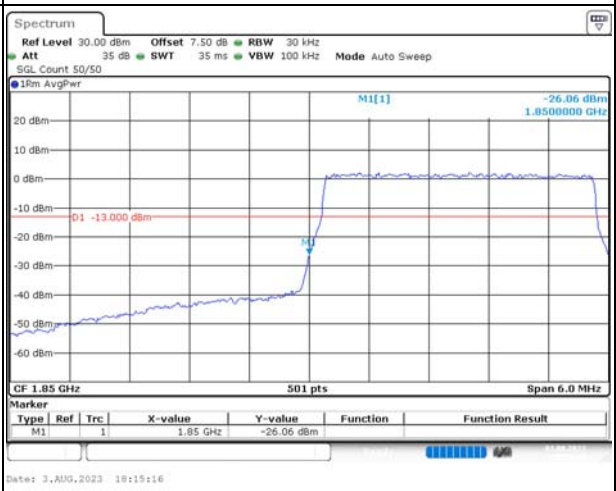
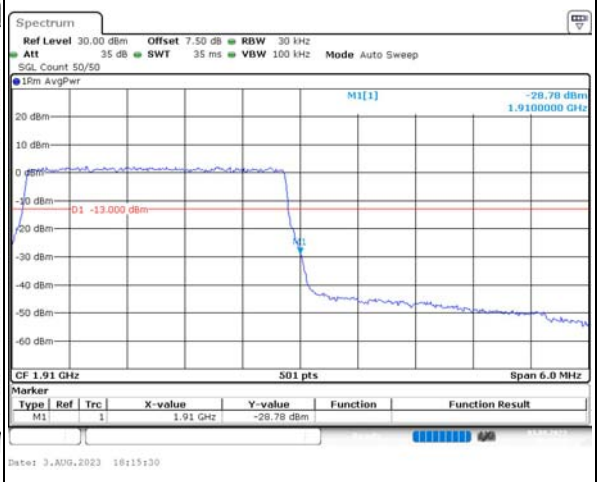
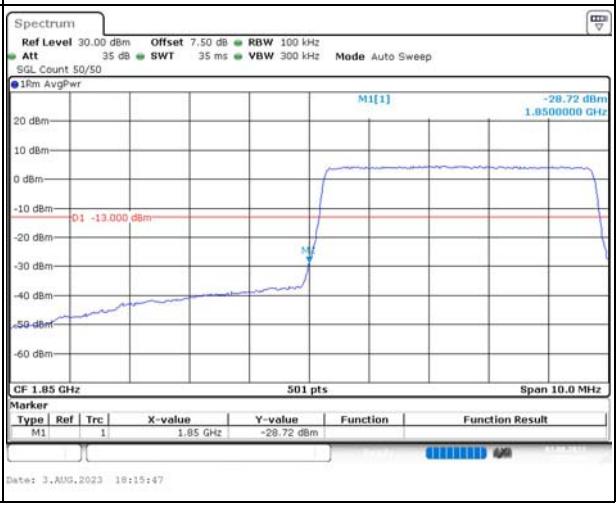
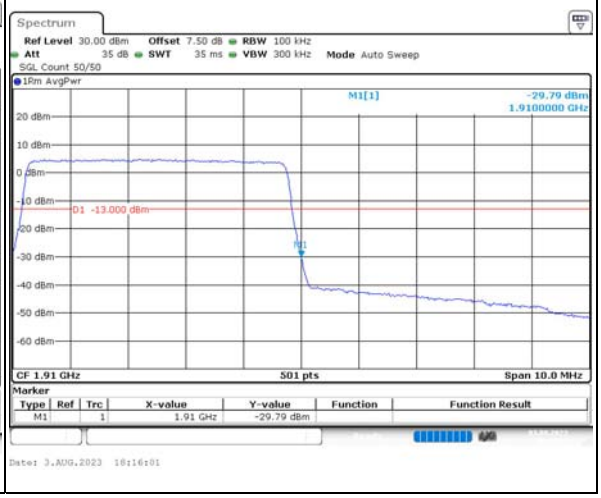
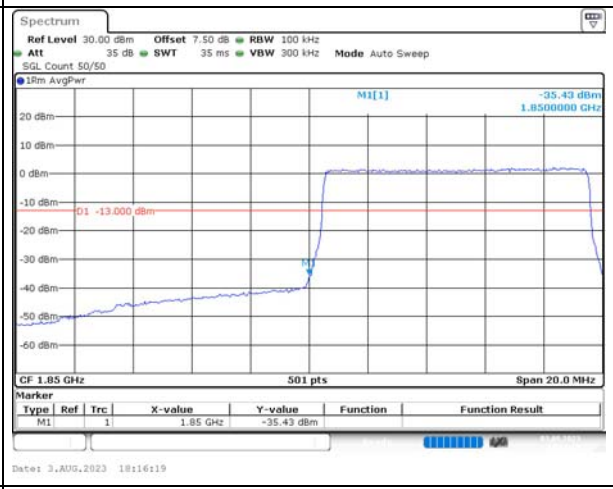
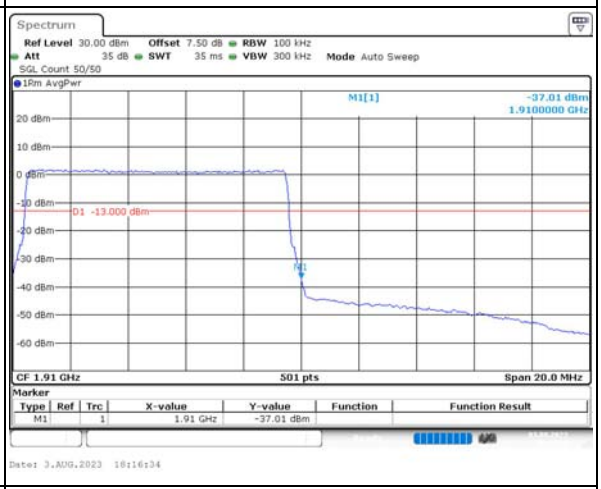
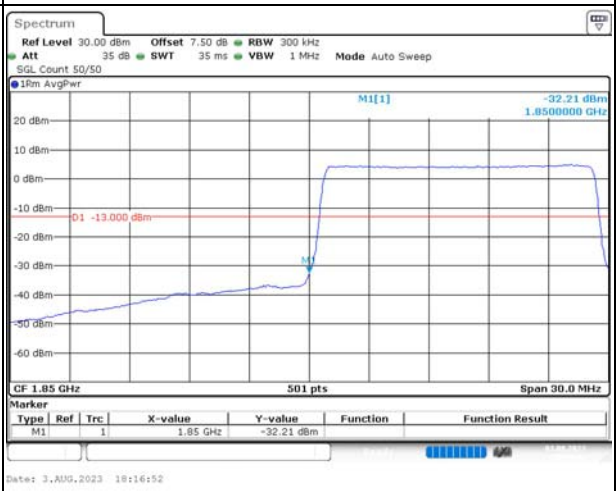
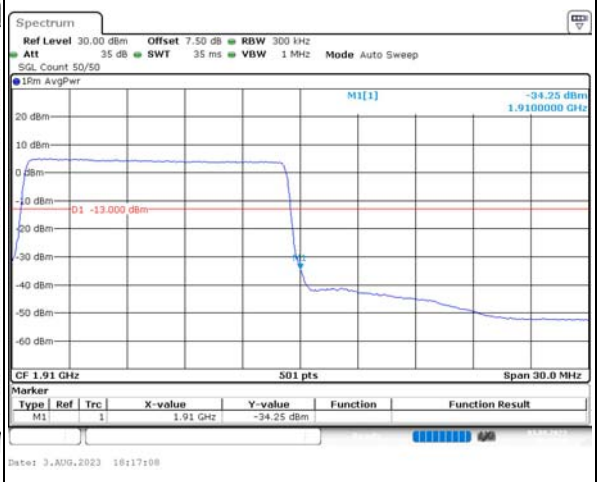
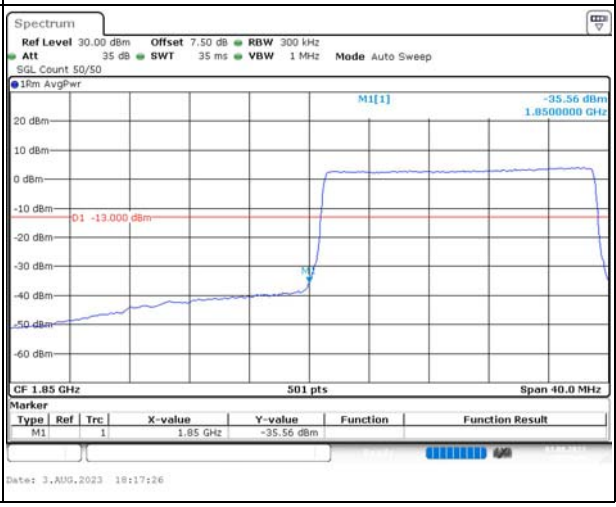
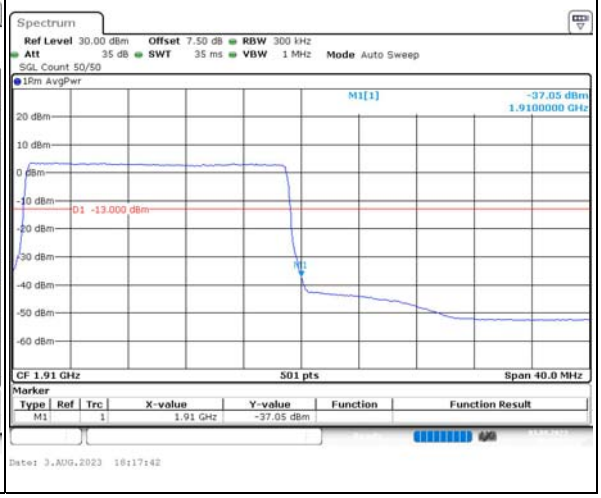
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz		
16QAM 3MHz		
16QAM 5MHz		

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 10MHz		
16QAM 15MHz		
16QAM 20MHz		

4.6 Antenna Port Test Data and Results for LTE Band 4

Serial Number:	28L4-1	Test Date:	2023/8/2~2023/8/4
Test Site:	RF	Test Mode:	Transmitting
Tester:	One Luo	Test Result:	**Pass**

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

Test Equipment List and Details:

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

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Frequency for Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	1710.7	1732.5	1754.3
3MHz	1711.5	1732.5	1753.5
5MHz	1712.5	1732.5	1752.5
10MHz	1715	1732.5	1750
15MHz	1717.5	1732.5	1747.5
20MHz	1720	1732.5	1745

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	21.63	21.58	21.89	17.39	30
	RB1#3	21.64	21.6	21.9		
	RB1#5	21.73	21.54	21.92		
	RB3#0	21.71	21.56	21.77		
	RB3#3	21.71	21.56	21.79		
	RB6#0	21.67	21.56	21.76		
1.4MHz 16QAM	RB1#0	22.35	21.08	22.74	18.25	30
	RB1#3	22.42	21.09	22.78		
	RB1#5	22.42	21.1	22.78		
	RB3#0	21.53	21.52	22.01		
	RB3#3	21.55	21.49	22.18		
	RB6#0	20.78	20.64	20.95		
3MHz QPSK	RB1#0	21.8	21.54	21.85	17.51	30
	RB1#8	21.78	21.61	21.87		
	RB1#14	21.61	21.48	21.93		
	RB6#0	21.7	21.61	21.69		
	RB6#9	21.63	21.75	21.95		
	RB15#0	21.62	21.61	22.04		
3MHz 16QAM	RB1#0	22.42	21.49	22.02	17.89	30
	RB1#8	22.37	21.62	22.07		
	RB1#14	22.29	21.56	22.03		
	RB6#0	20.73	21.05	20.88		
	RB6#9	20.73	20.9	20.99		
	RB15#0	20.7	20.69	21.01		
5MHz QPSK	RB1#0	21.96	21.77	21.96	17.57	30
	RB1#13	21.9	21.81	22.1		
	RB1#24	21.89	21.83	22.06		
	RB15#0	21.96	21.9	21.98		
	RB15#10	21.84	21.89	22.02		
	RB25#0	21.9	21.84	21.98		
5MHz 16QAM	RB1#0	22.12	21.54	21.16	17.59	30
	RB1#13	22.09	21.57	21.31		
	RB1#24	22.04	21.67	21.19		
	RB15#0	20.92	20.94	21.06		
	RB15#10	20.8	21.01	21.09		
	RB25#0	20.97	20.87	21.11		
10MHz QPSK	RB1#0	22.09	21.84	21.86	17.62	30
	RB1#25	21.98	21.85	22.15		
	RB1#49	22.03	21.88	22.03		
	RB25#0	21.86	21.84	21.96		

	RB25#25	21.85	21.92	21.96		
	RB50#0	21.9	21.93	22.04		
10MHz 16QAM	RB1#0	22.19	21.35	22.21	17.79	30
	RB1#25	22.05	21.38	22.29		
	RB1#49	22.06	21.42	22.32		
	RB25#0	21.1	20.99	21.02		
	RB25#25	21.06	21.08	21.04		
	RB50#0	20.98	20.99	21.13		
15MHz QPSK	RB1#0	22.09	21.71	21.78	17.56	30
	RB1#38	21.98	21.79	21.97		
	RB1#74	22.03	21.8	22.02		
	RB36#0	21.89	21.89	21.83		
	RB36#39	21.93	21.87	21.94		
	RB75#0	21.84	21.86	21.83		
15MHz 16QAM	RB1#0	22.2	22.14	22.18	17.69	30
	RB1#38	22.06	22.17	22.22		
	RB1#74	22.07	22.2	22.22		
	RB36#0	21.05	20.83	21.06		
	RB36#39	21.06	20.96	21.1		
	RB75#0	20.94	20.95	20.96		
20MHz QPSK	RB1#0	22.01	21.9	22.07	17.68	30
	RB1#50	21.96	21.89	22.09		
	RB1#99	21.95	21.97	22.21		
	RB50#0	21.87	21.83	21.88		
	RB50#50	21.88	21.9	21.98		
	RB100#0	21.84	21.97	22.01		
20MHz 16QAM	RB1#0	22.01	22.7	21.89	18.25	30
	RB1#50	22.06	22.78	21.57		
	RB1#99	21.91	22.71	21.93		
	RB50#0	20.92	20.9	20.87		
	RB50#50	20.88	21.07	20.96		
	RB100#0	20.82	20.98	20.92		
Note: EIRP=Conducted Power(dBm) - L_C(dB) + G_T(dBi)						
					Result:	**Pass**

Peak-to-average Ratio (PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	5.59	5.3	5.1	13
	RB100#0	4.26	4.06	4.2	13
20MHz 16QAM	RB1#0	5.91	5.57	5.65	13
	RB100#0	5.86	5.74	5.83	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	1.102	1.102	1.096	1.26	1.254	1.254
1.4MHz 16QAM	1.09	1.102	1.102	1.248	1.26	1.254
3MHz QPSK	2.695	2.695	2.695	3.012	3	3
3MHz 16QAM	2.683	2.683	2.695	3	3.024	3.012
5MHz QPSK	4.511	4.511	4.531	5	5	5
5MHz 16QAM	4.551	4.531	4.511	5.02	5.02	4.98
10MHz QPSK	8.942	8.942	8.982	9.76	9.76	9.84
10MHz 16QAM	8.982	8.942	8.942	9.84	9.88	9.84
15MHz QPSK	13.473	13.533	13.533	14.82	14.76	14.82
15MHz 16QAM	13.533	13.533	13.533	14.82	14.76	14.76
20MHz QPSK	17.964	18.044	17.964	19.68	19.68	19.6
20MHz 16QAM	17.964	17.964	18.044	19.52	19.68	19.84
Note: The test plots please refer to the Plots of Occupied Bandwidth						

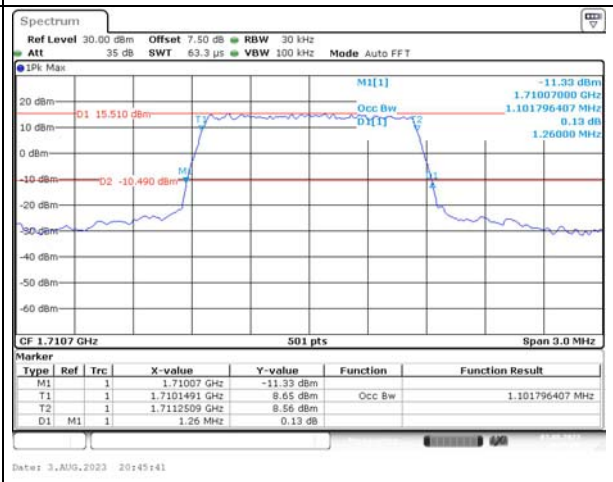
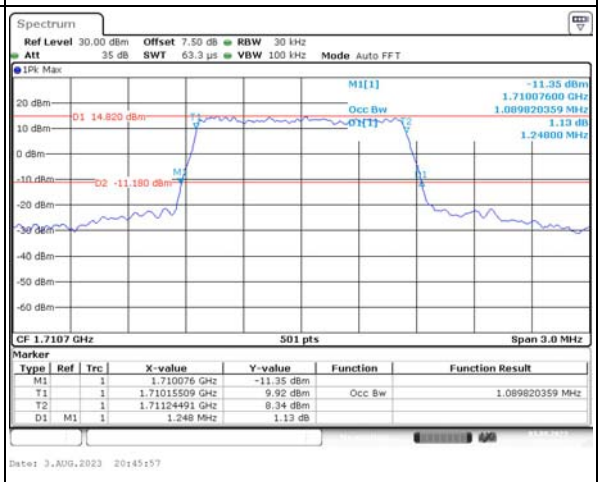
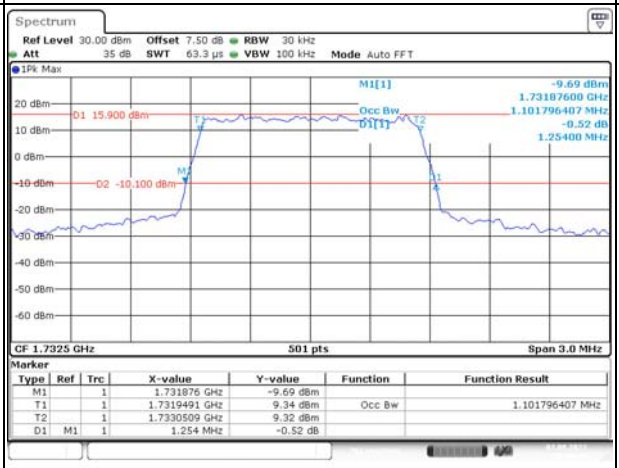
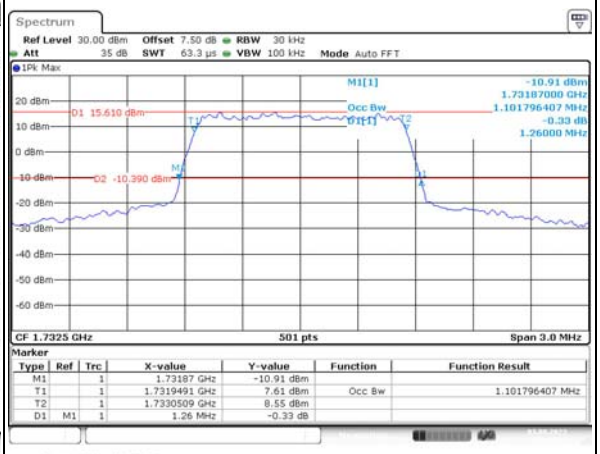
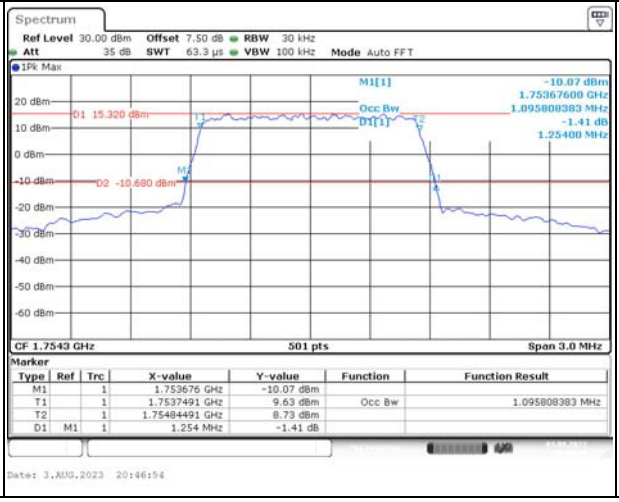
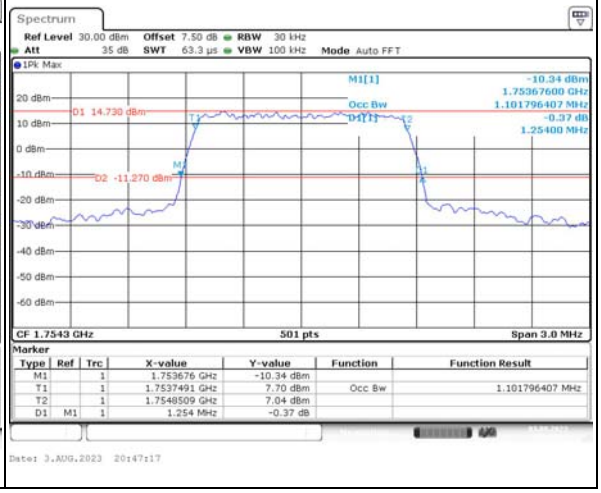
Spurious Emissions at Antenna Terminal	
Result:	**Pass, please refer to the test plots of Spurious Emissions at Antenna Terminal.**

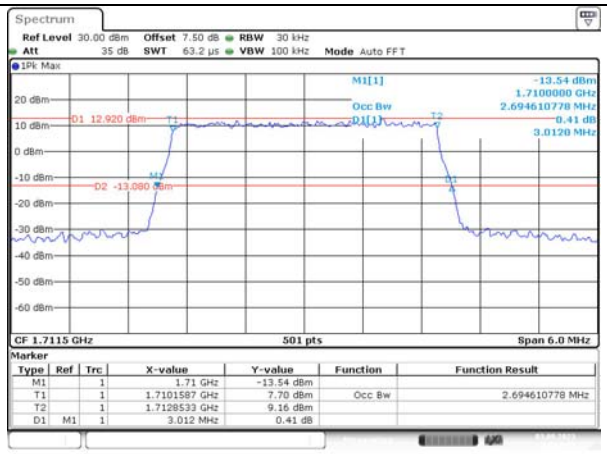
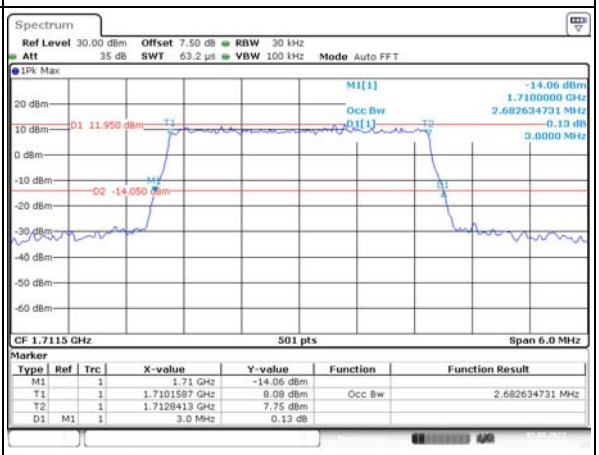
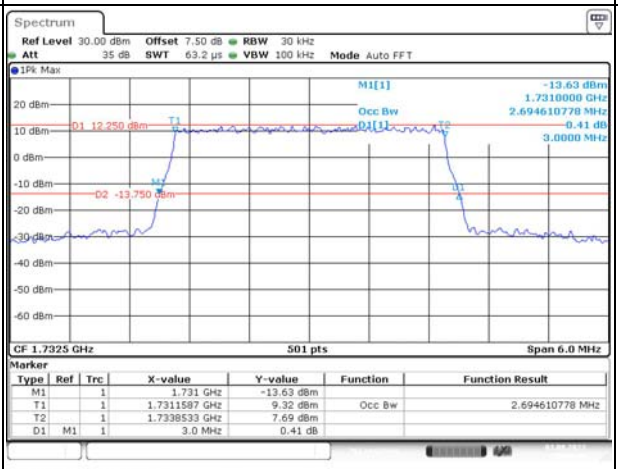
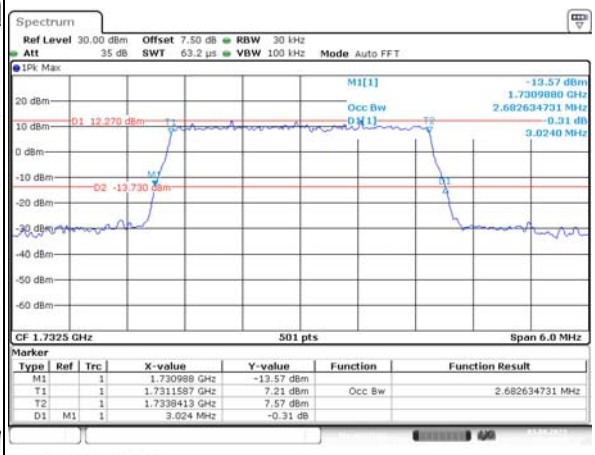
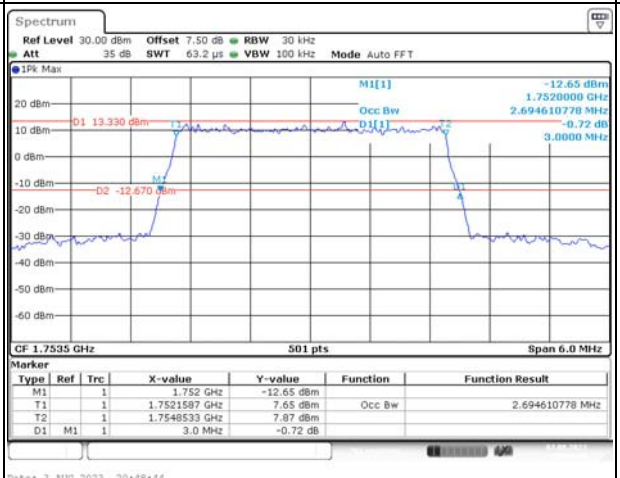
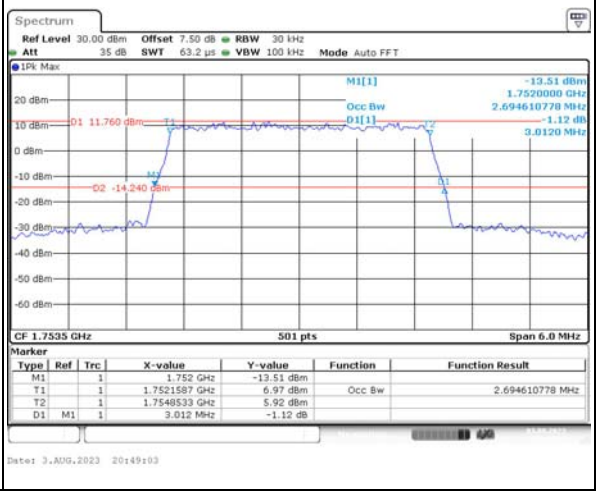
Out of band emission, Band Edge	
Result:	**Pass, please refer to the test plots of Out of band emission, Band Edge.**

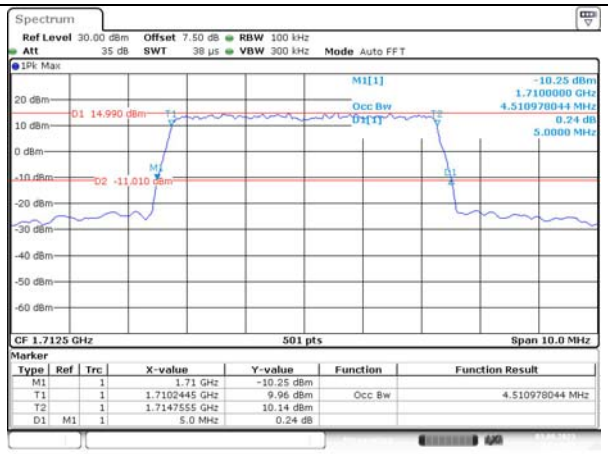
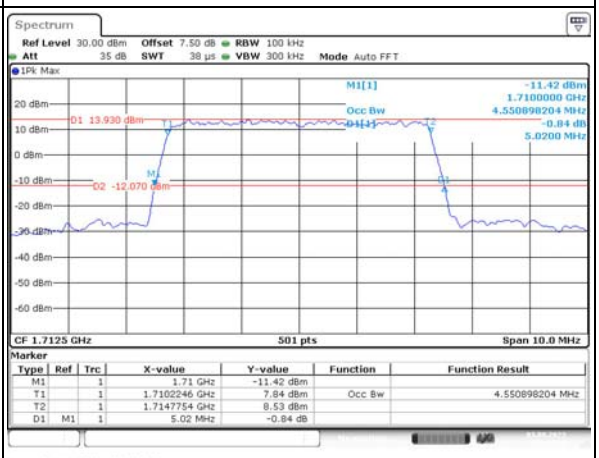
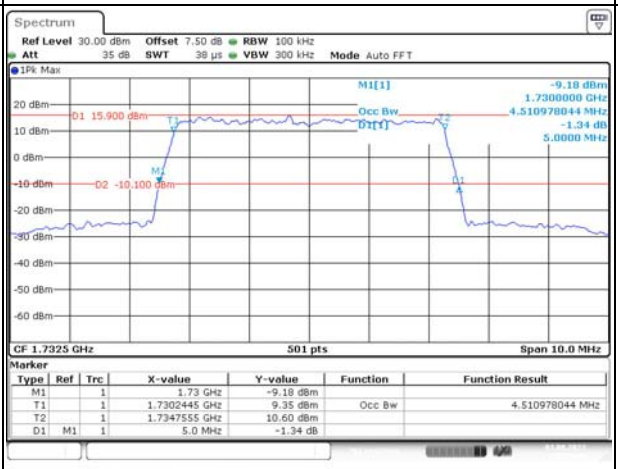
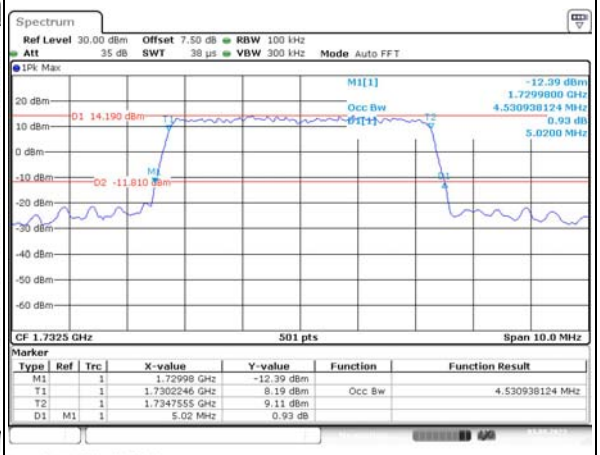
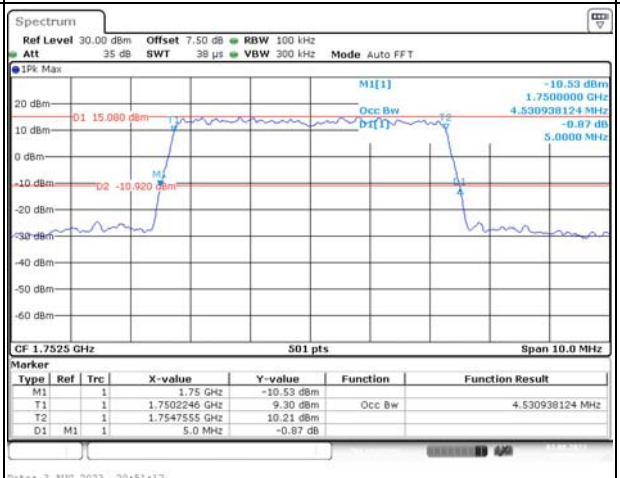
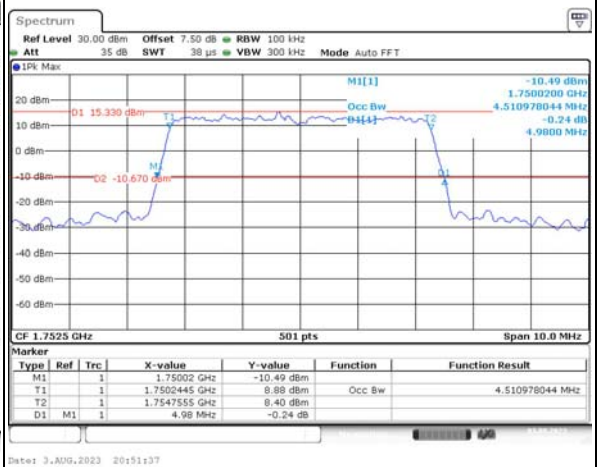
Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1711.051	1710.00	1753.994	1755
	-20	3.8	1711.088	1710.00	1753.949	1755
	-10	3.8	1711.048	1710.00	1753.932	1755
	0	3.8	1711.003	1710.00	1753.998	1755
	10	3.8	1711.023	1710.00	1753.954	1755
	20	3.8	1711.058	1710.00	1753.942	1755
	30	3.8	1711.061	1710.00	1753.924	1755
	40	3.8	1711.073	1710.00	1753.983	1755
	50	3.8	1711.022	1710.00	1753.970	1755
Frequency Stability vs. Voltage	20	3.5	1711.022	1710.00	1753.930	1755
	20	4.4	1711.072	1710.00	1753.935	1755
					Result:	**Pass**

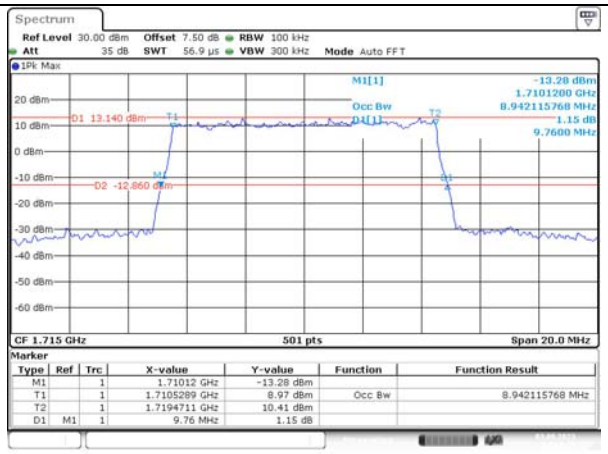
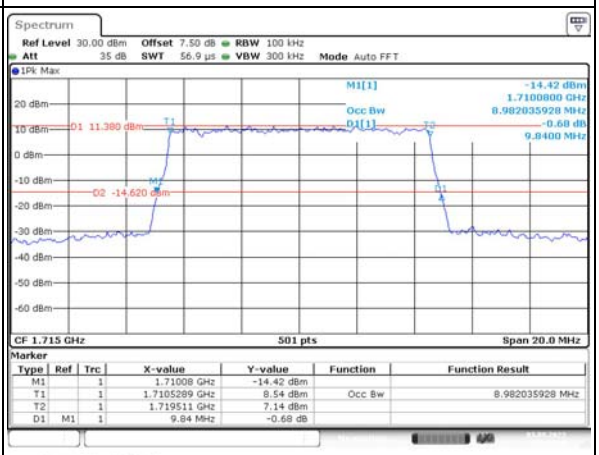
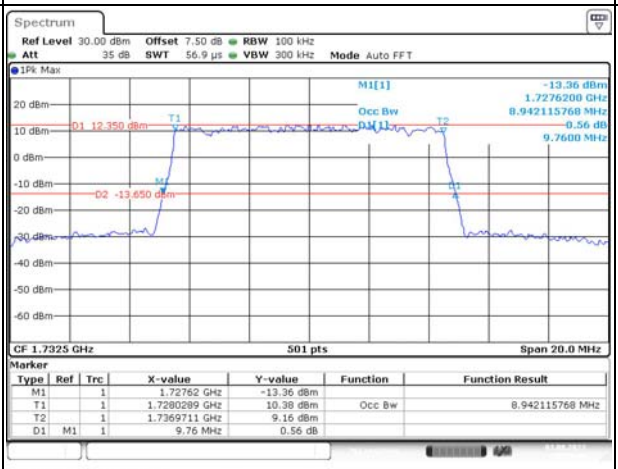
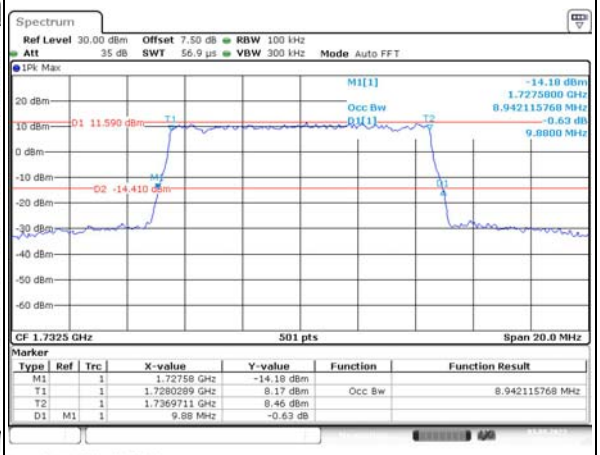
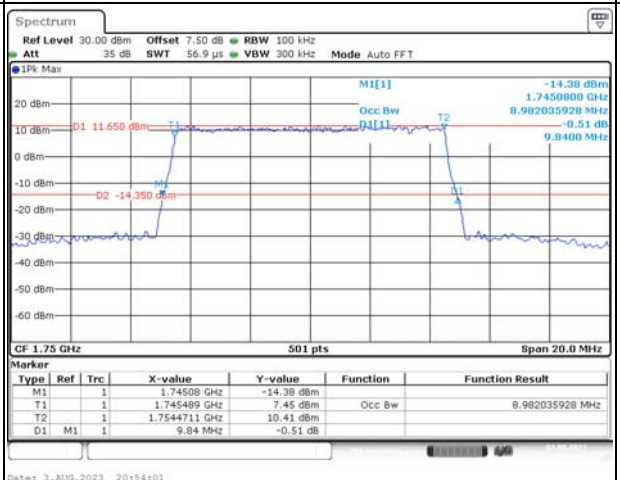
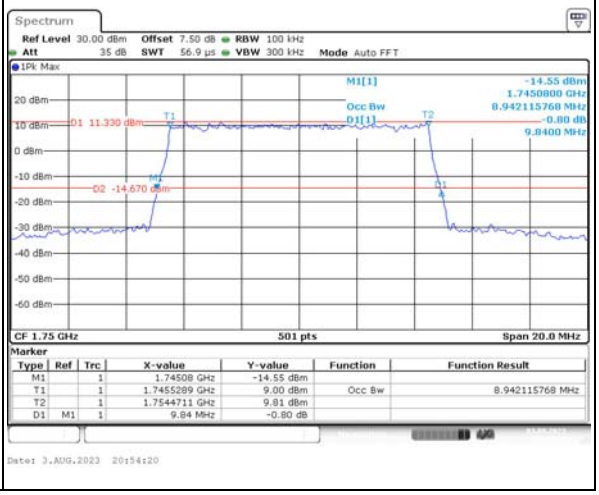
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1711.054	1710.00	1754.034	1755
	-20	3.8	1711.029	1710.00	1754.002	1755
	-10	3.8	1711.075	1710.00	1754.013	1755
	0	3.8	1711.084	1710.00	1754.003	1755
	10	3.8	1711.014	1710.00	1754.089	1755
	20	3.8	1711.058	1710.00	1754.022	1755
	30	3.8	1711.011	1710.00	1754.038	1755
	40	3.8	1711.058	1710.00	1754.011	1755
	50	3.8	1711.048	1710.00	1754.041	1755
Frequency Stability vs. Voltage	20	3.5	1711.019	1710.00	1754.037	1755
	20	4.4	1711.008	1710.00	1754.081	1755
					Result:	**Pass**

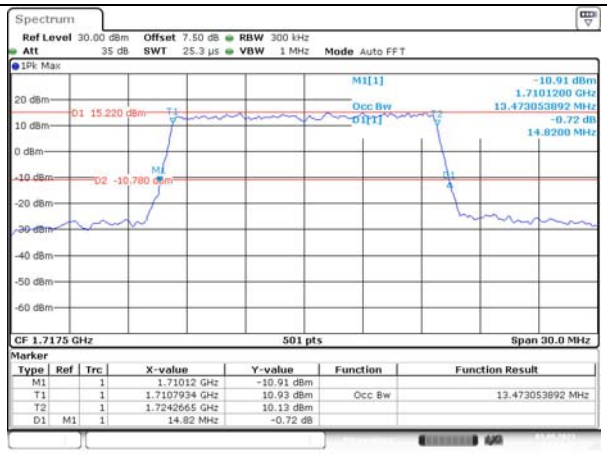
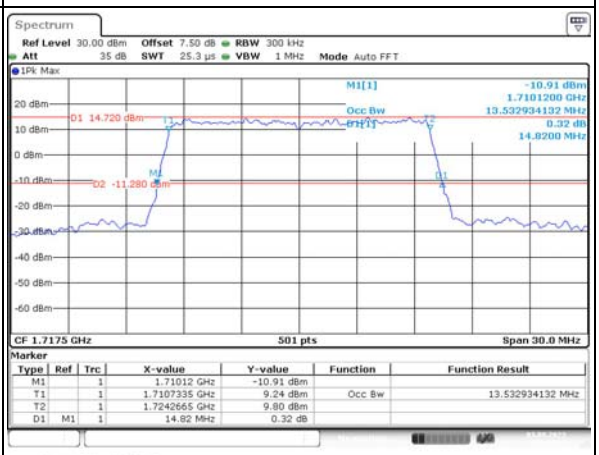
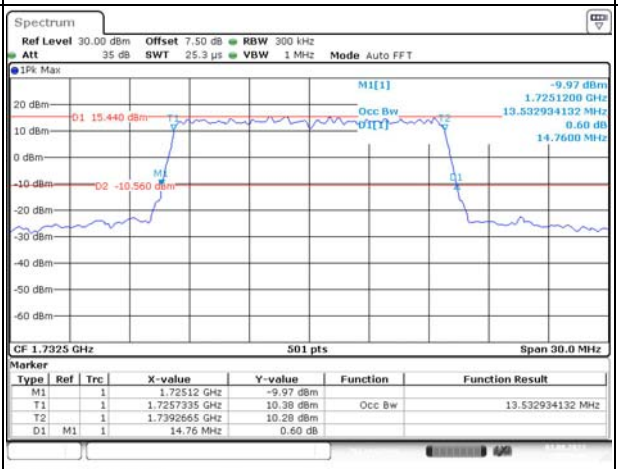
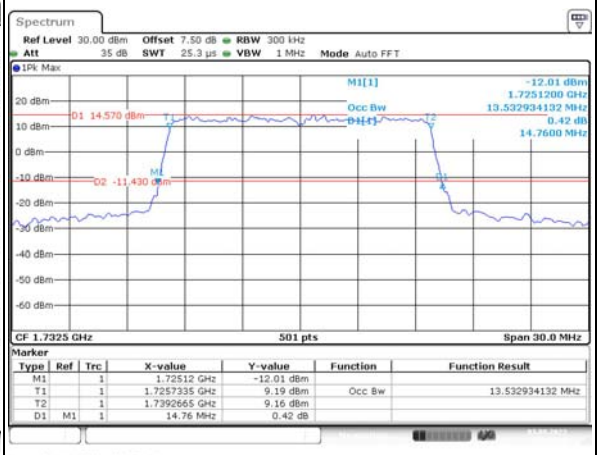
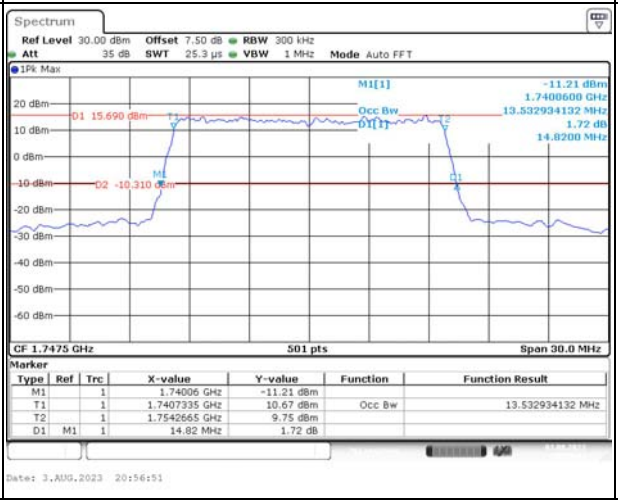
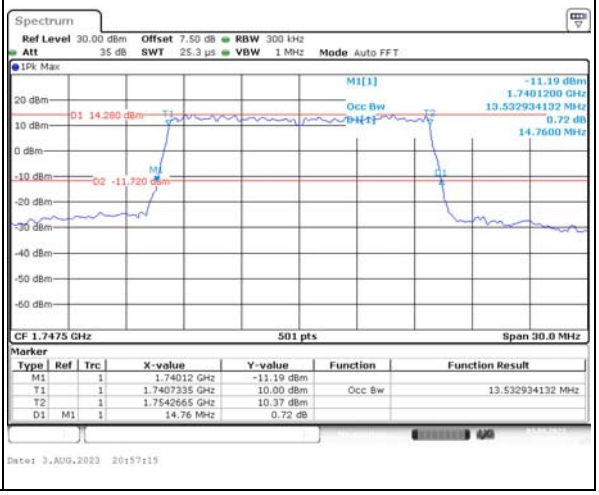
Test Plots: (Note: The 7.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

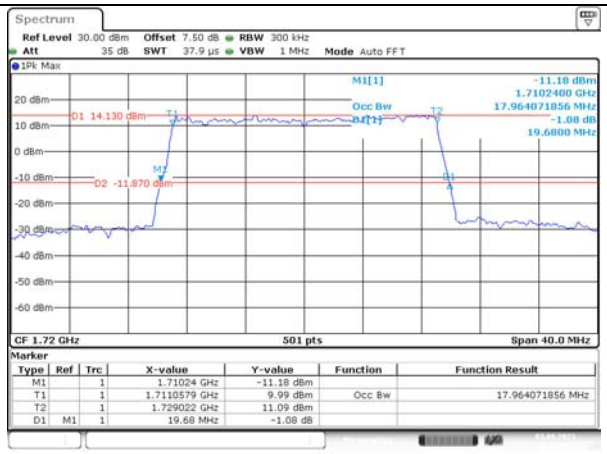
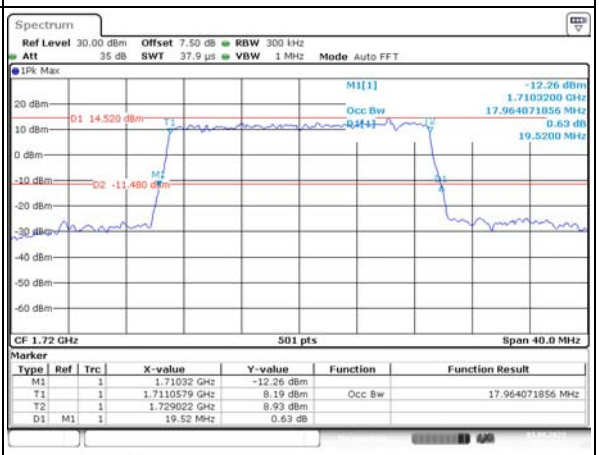
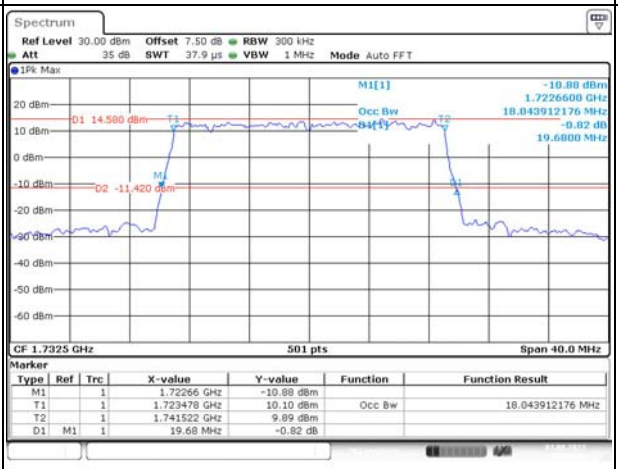
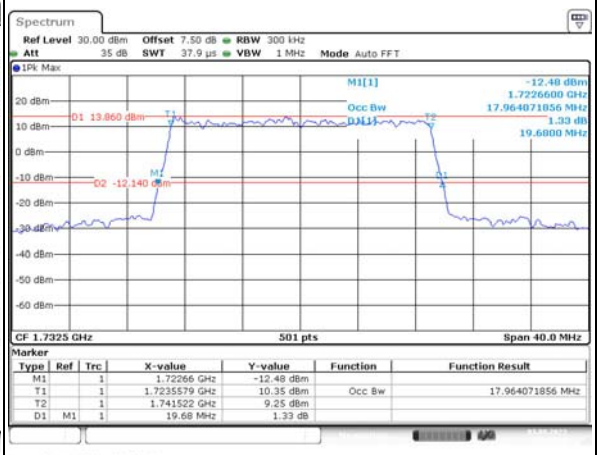
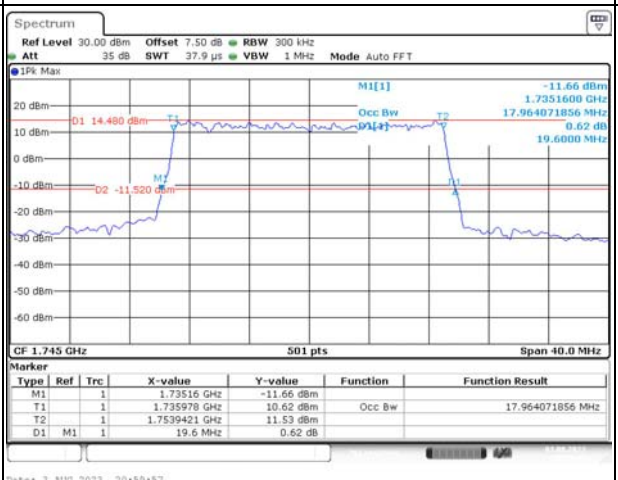
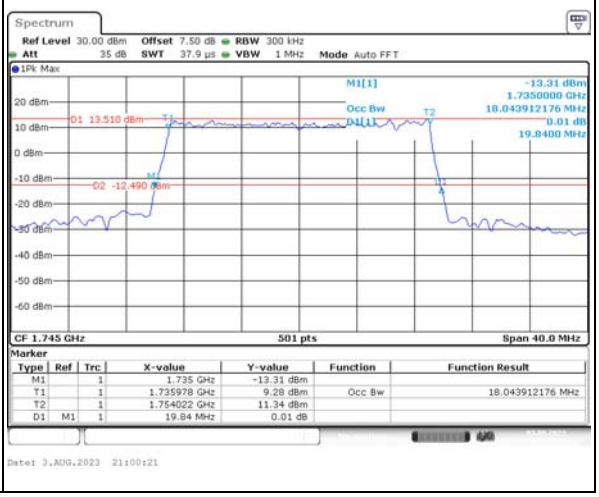
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

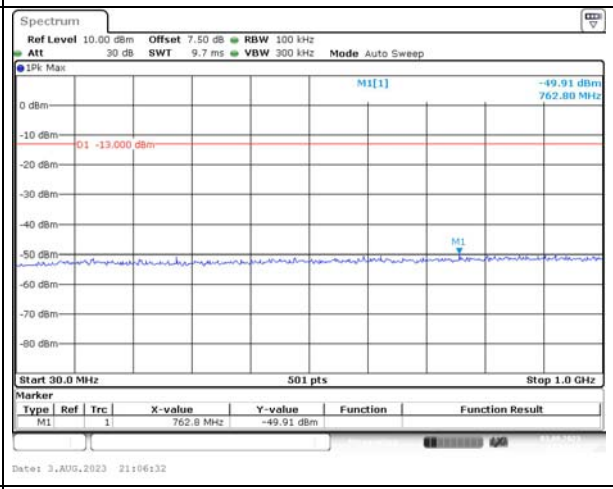
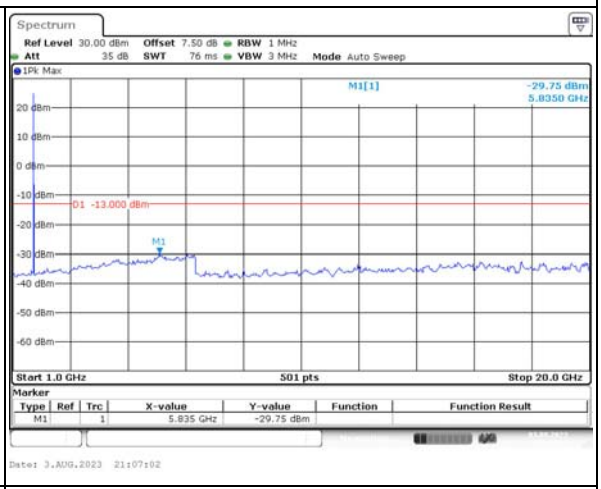
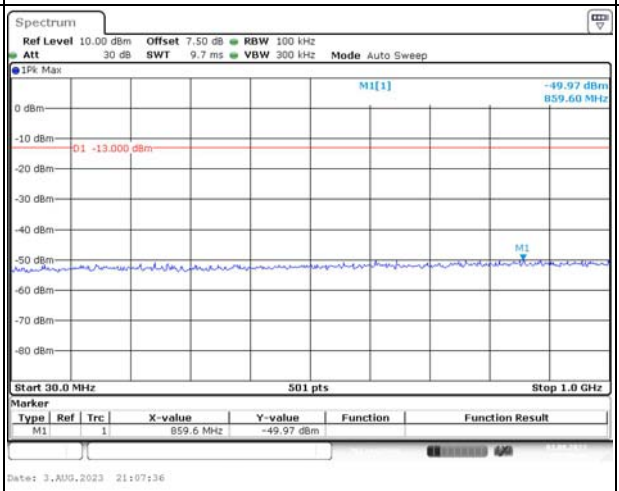
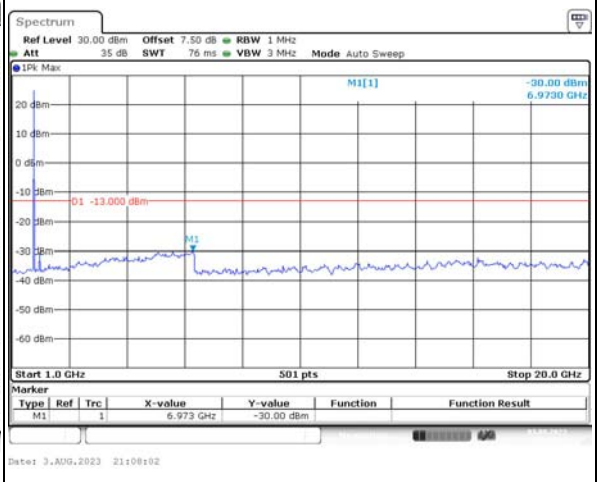
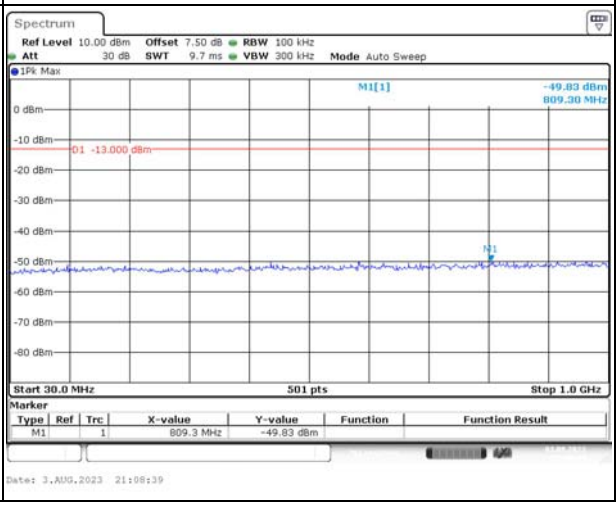
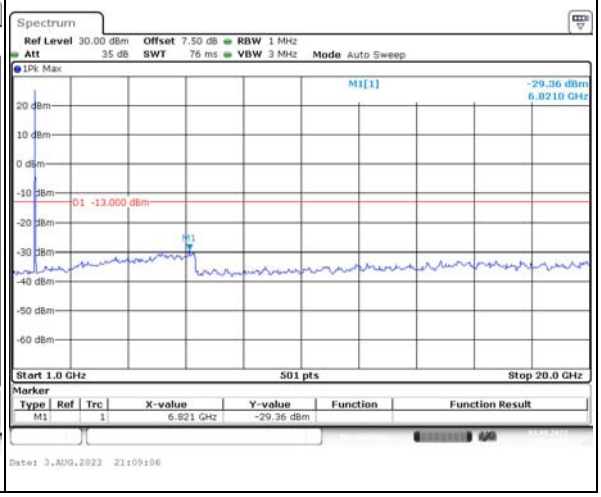
Occupied Bandwidth		
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

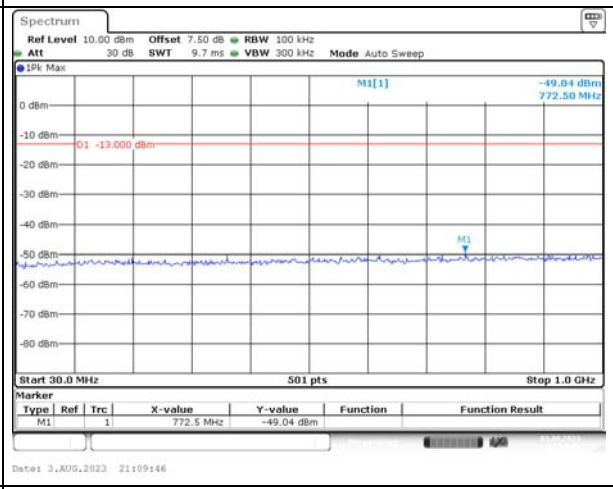
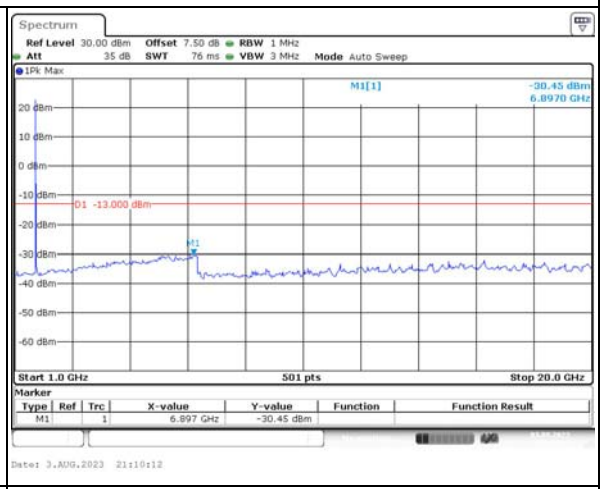
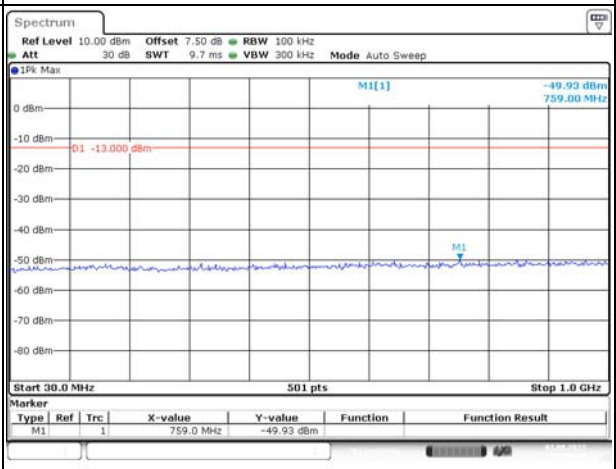
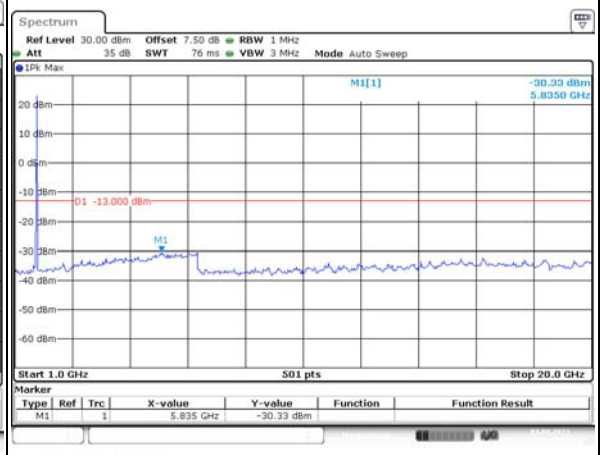
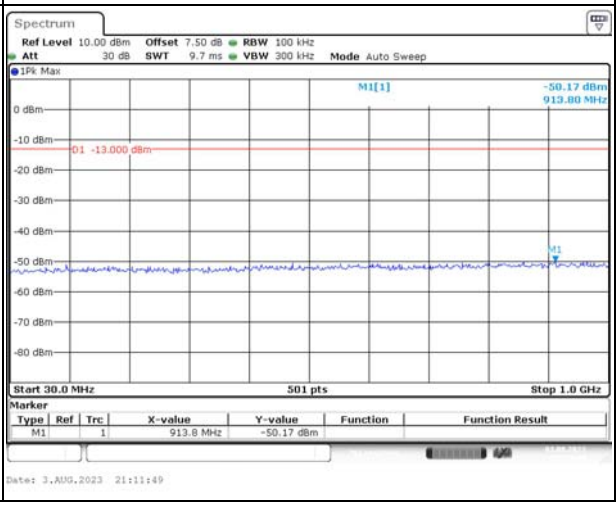
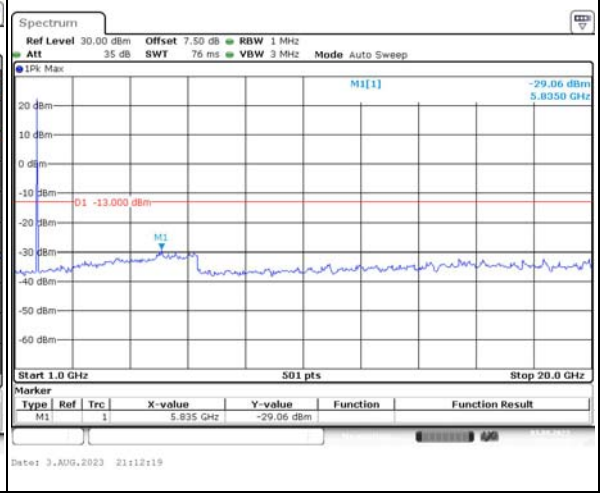
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

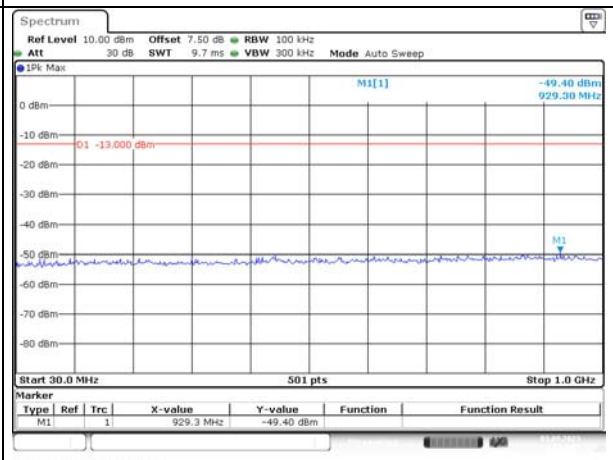
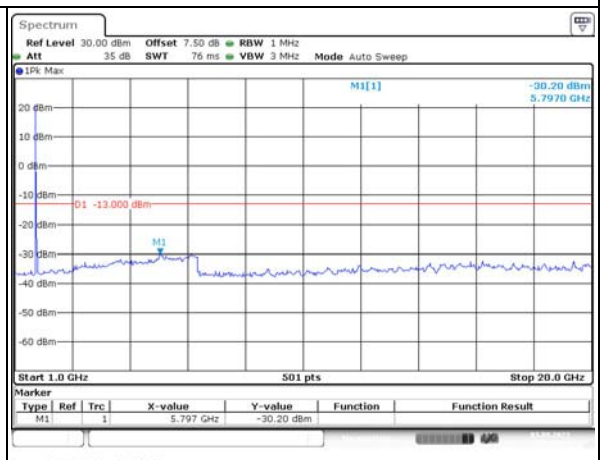
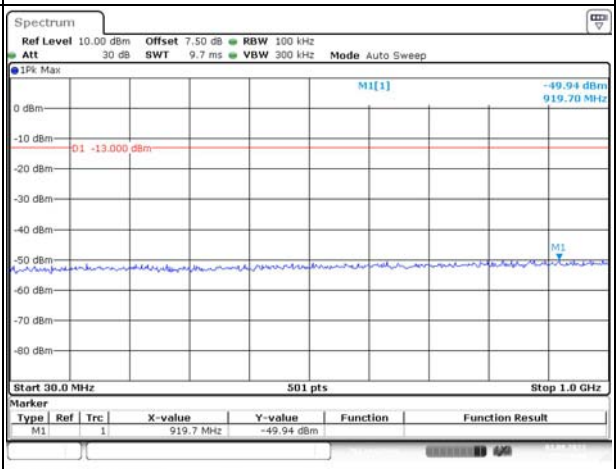
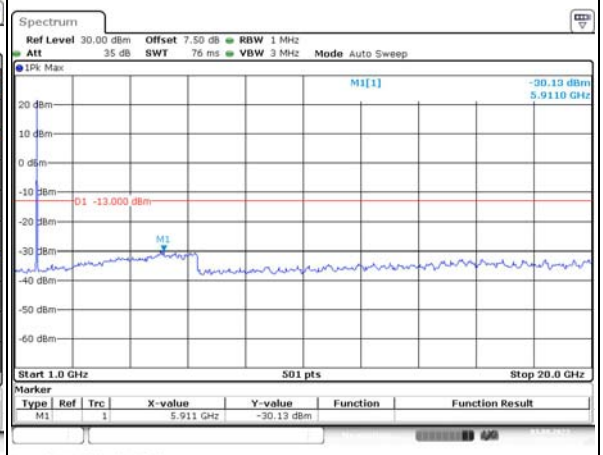
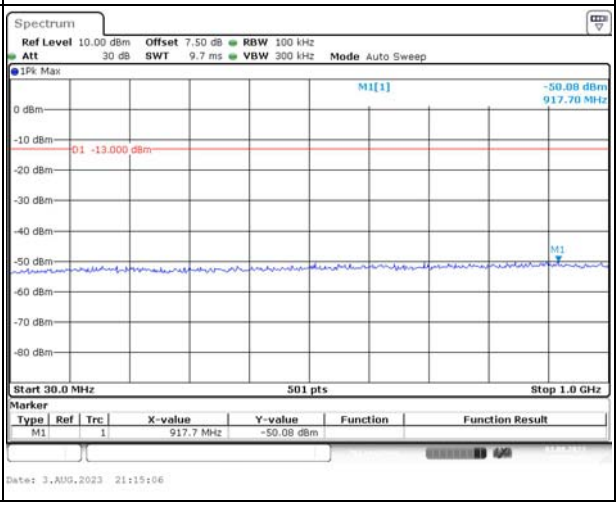
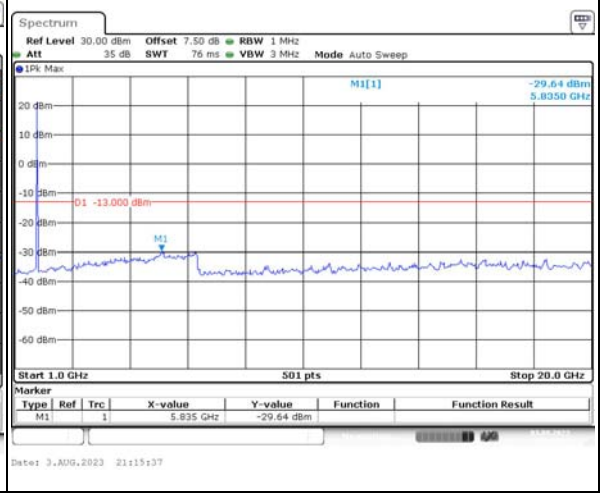
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

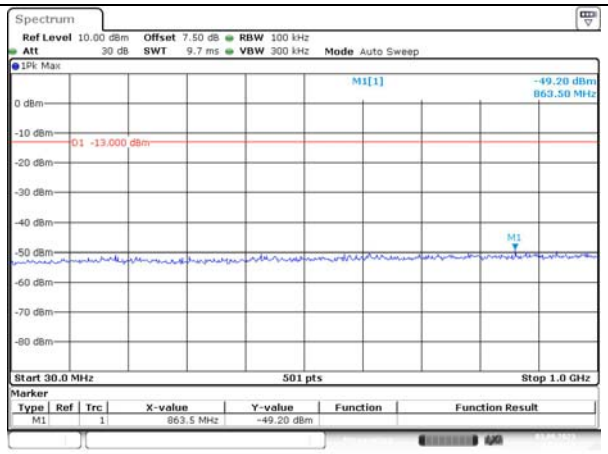
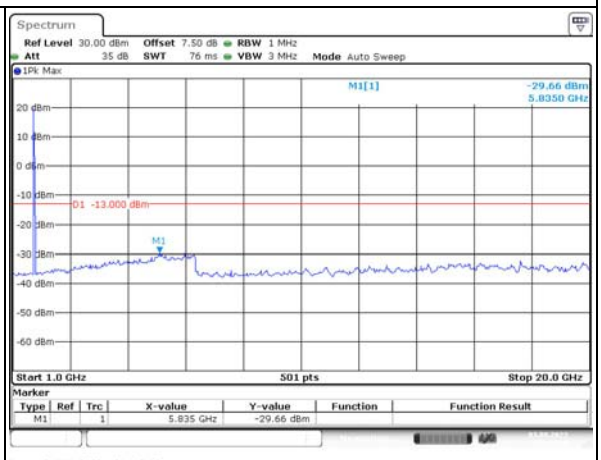
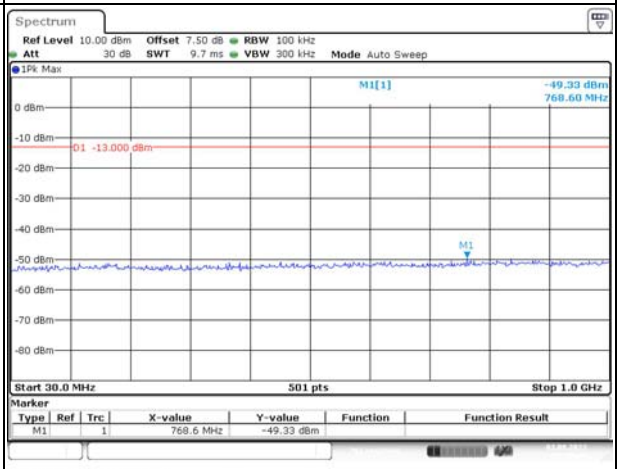
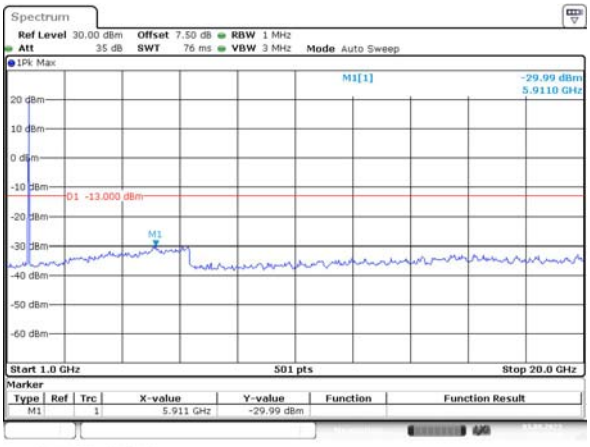
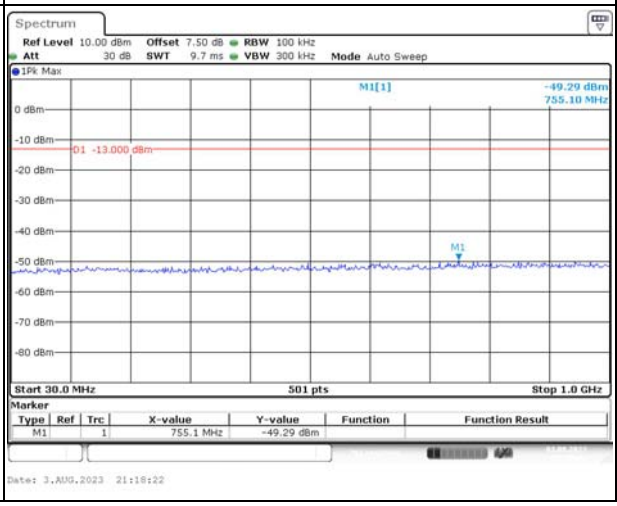
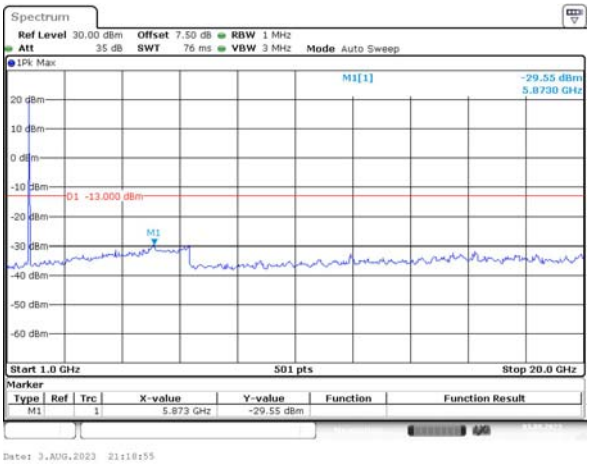
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

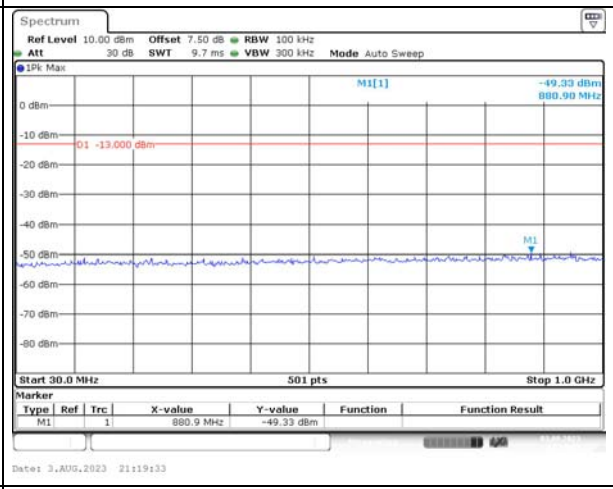
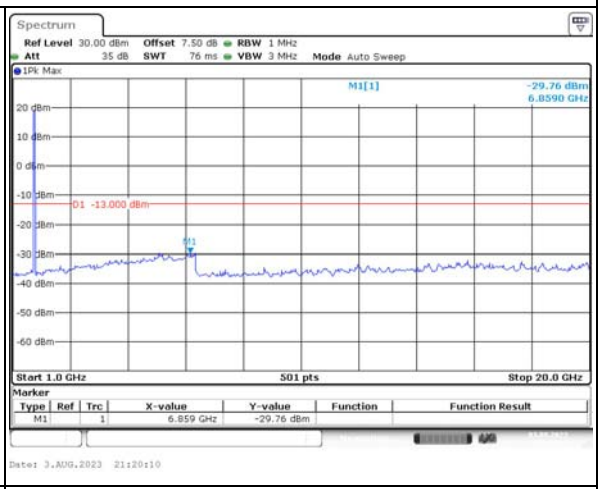
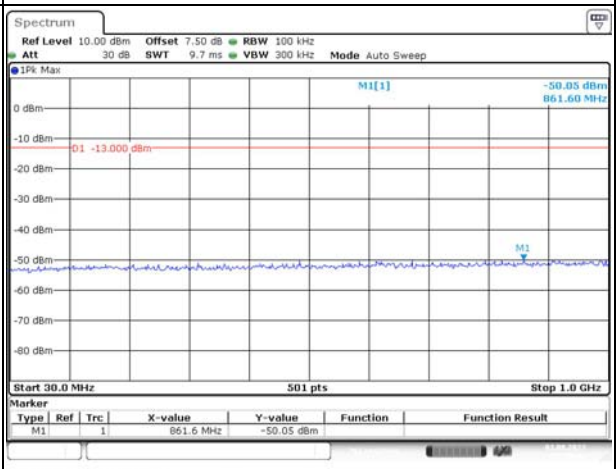
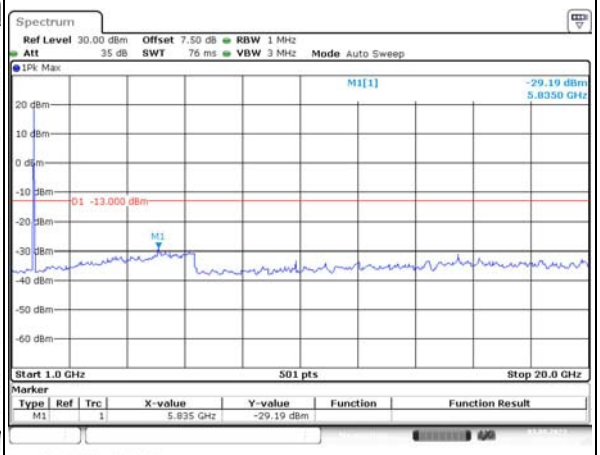
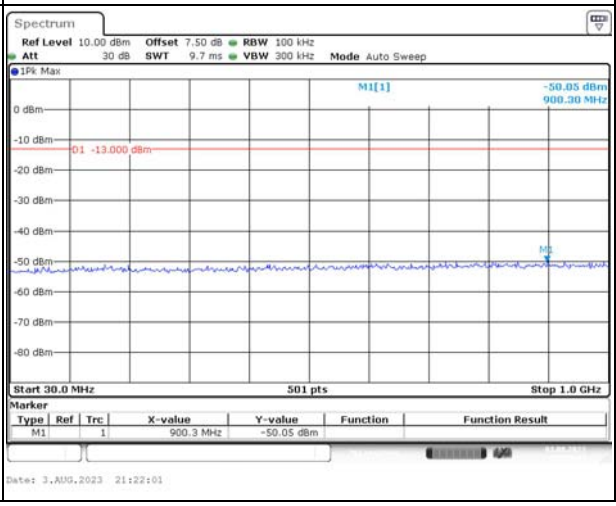
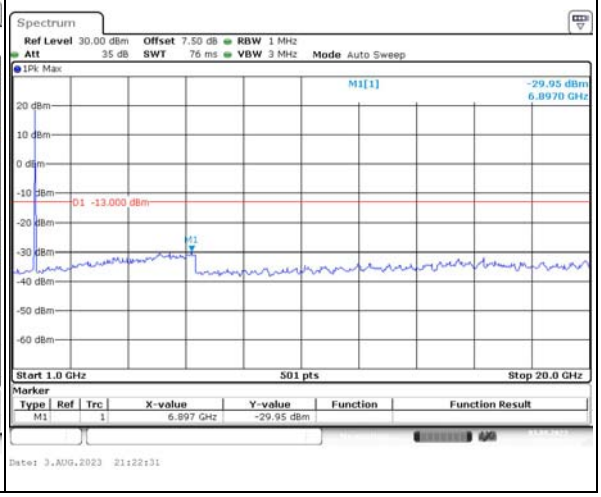
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

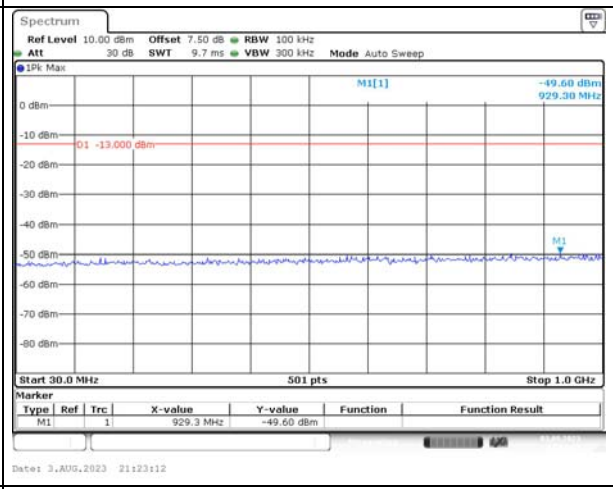
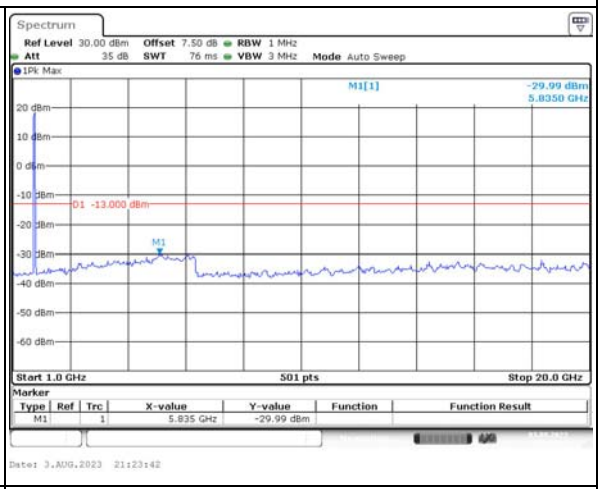
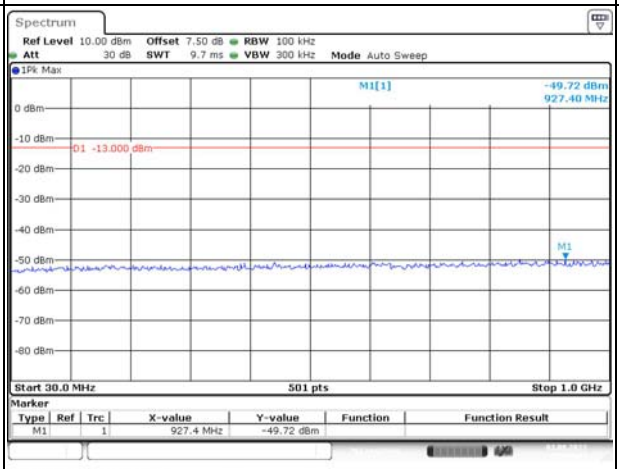
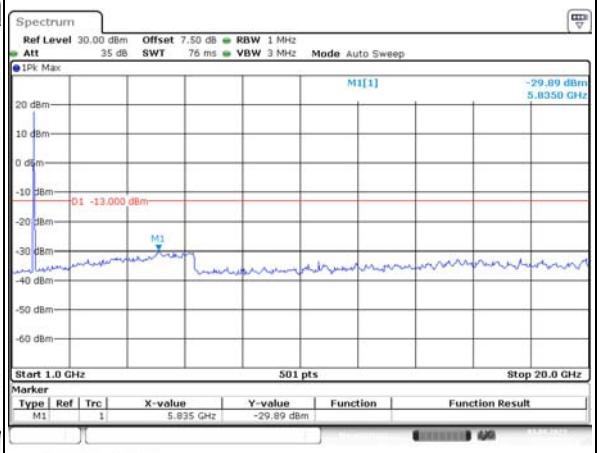
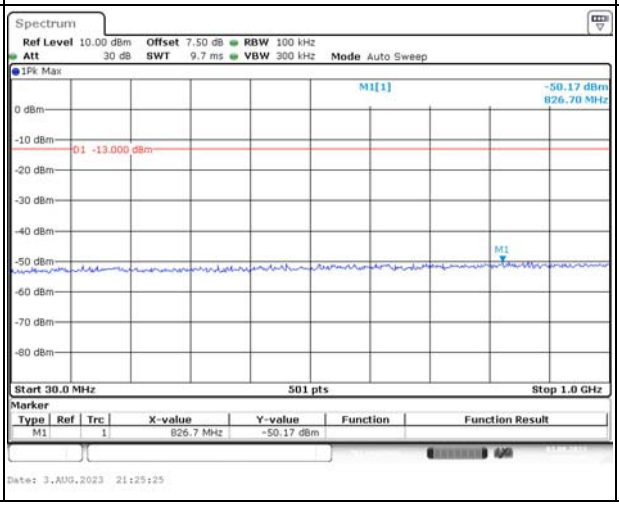
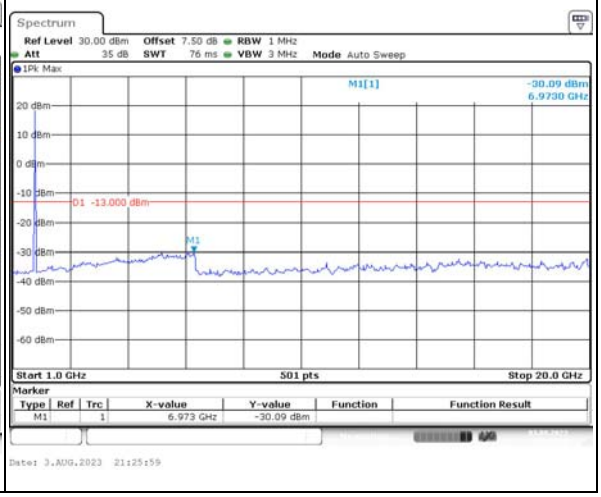
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

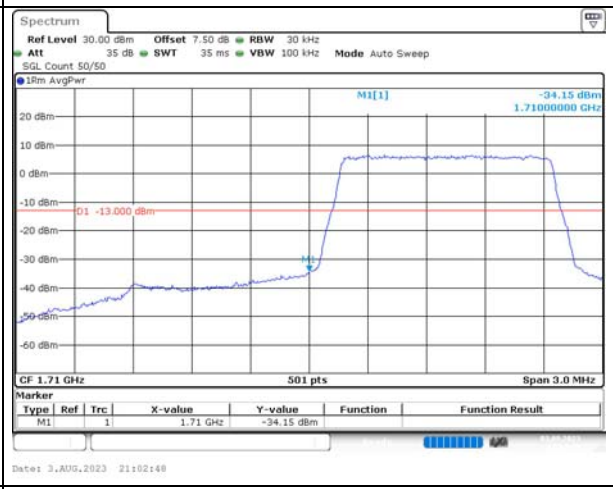
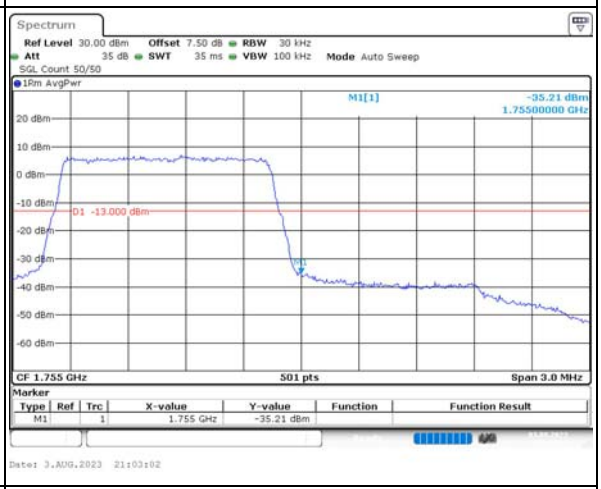
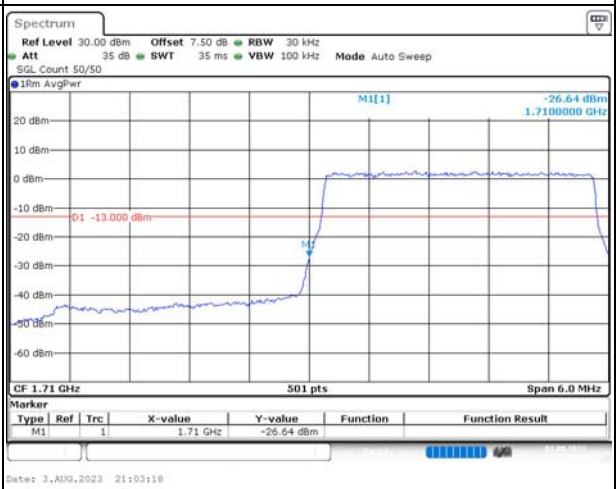
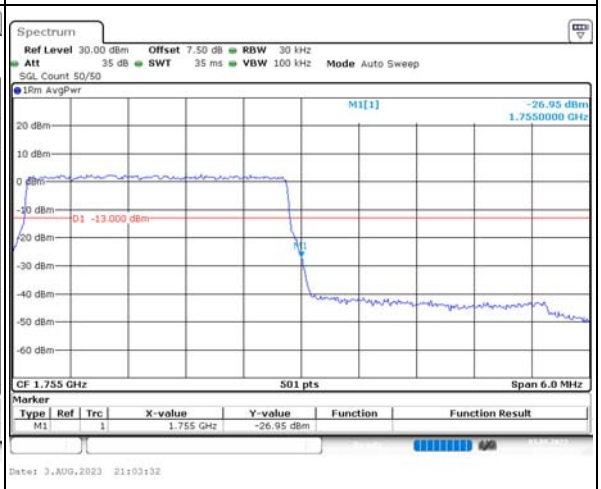
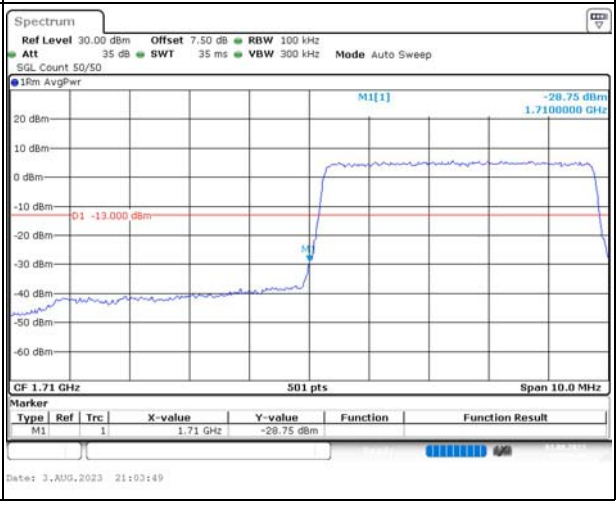
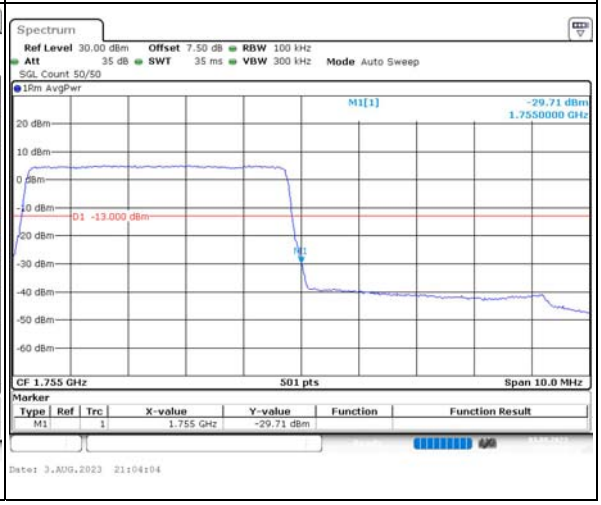
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

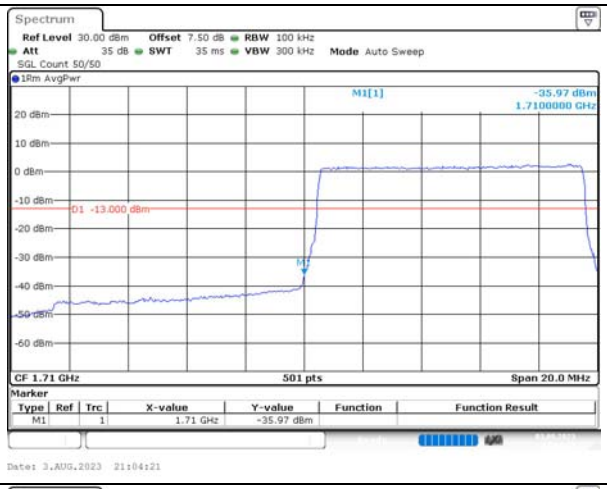
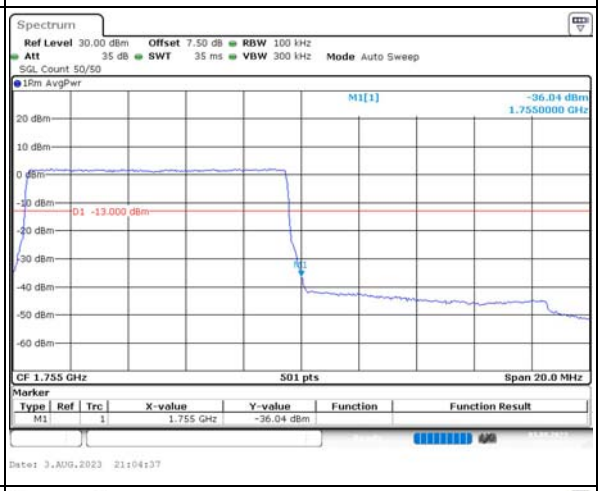
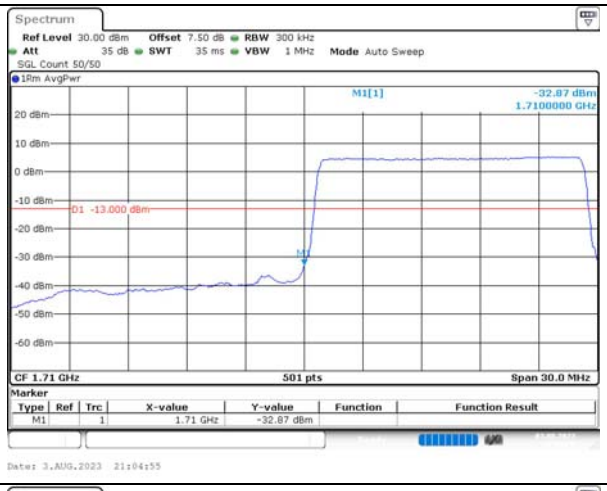
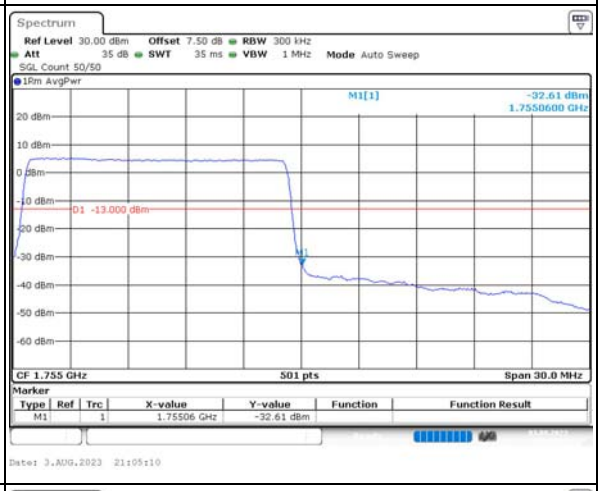
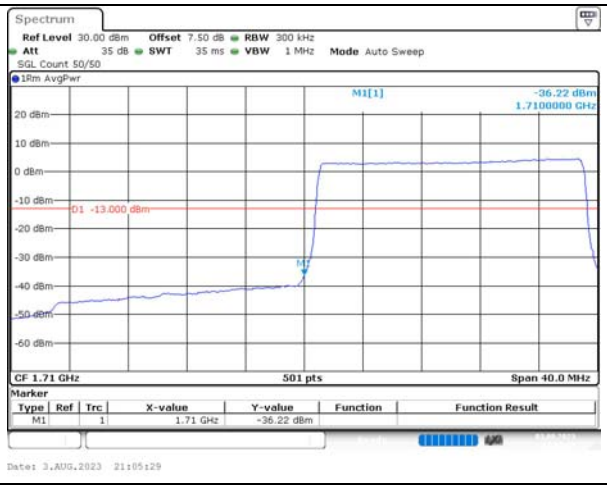
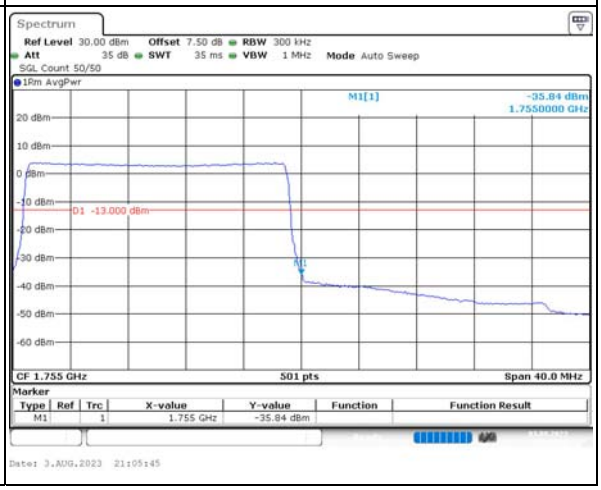
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

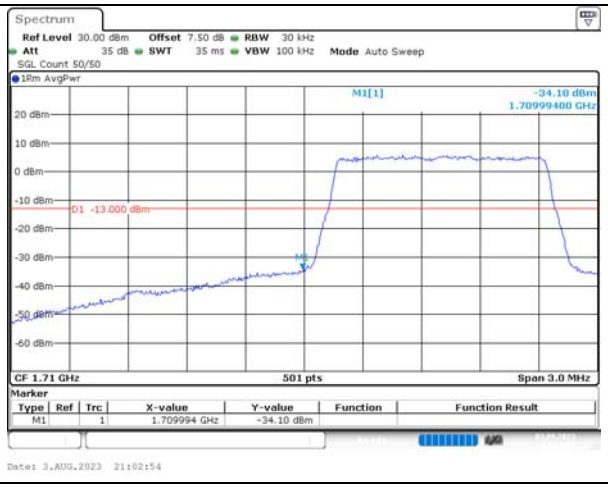
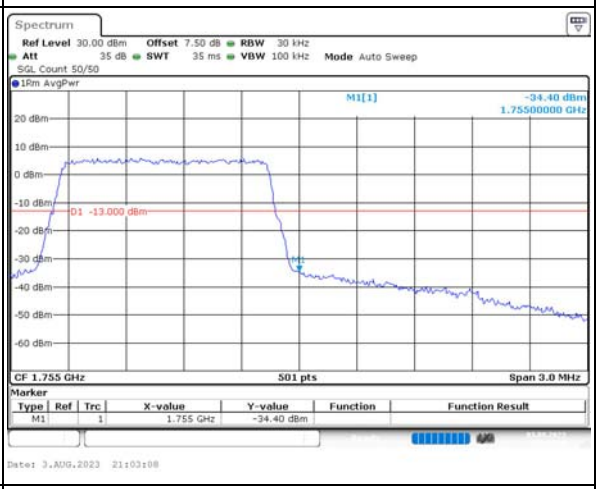
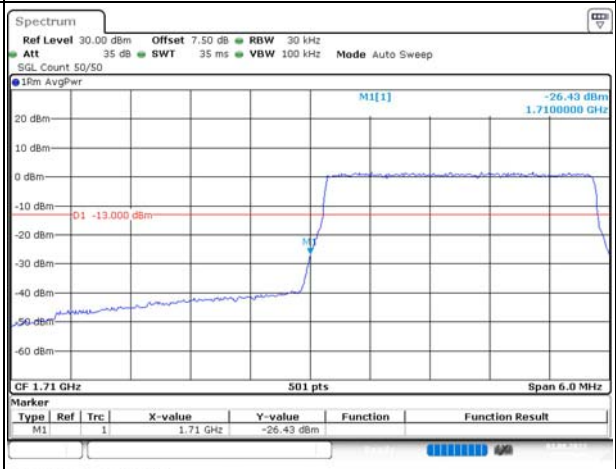
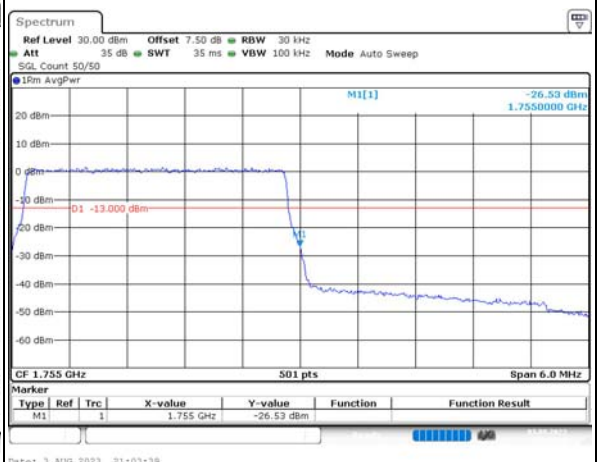
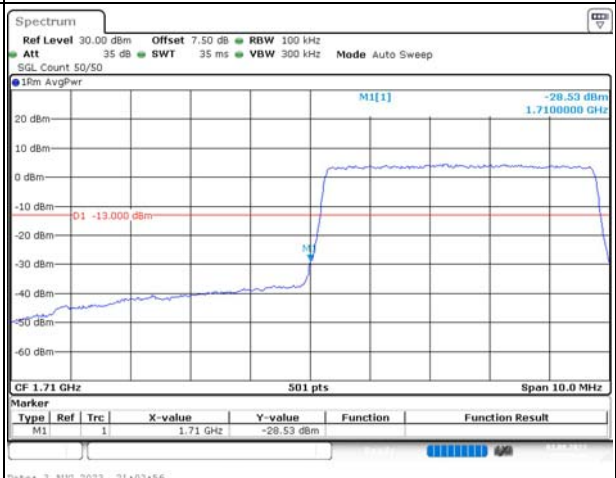
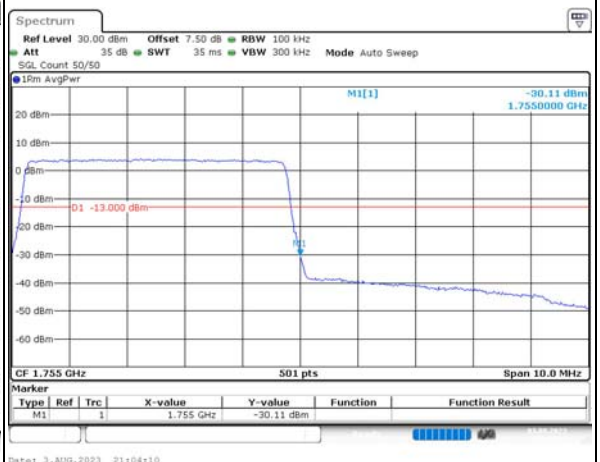
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

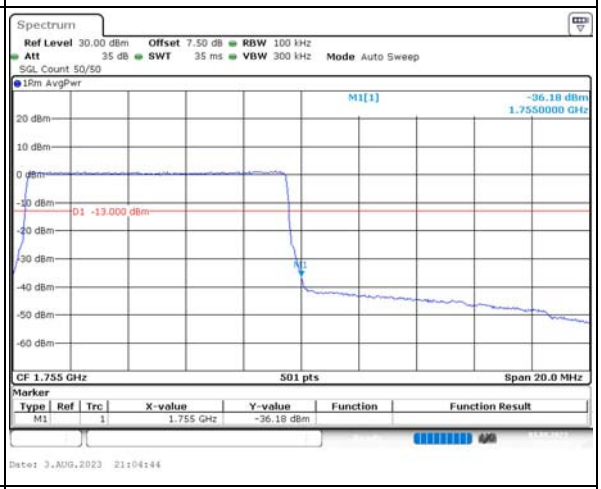
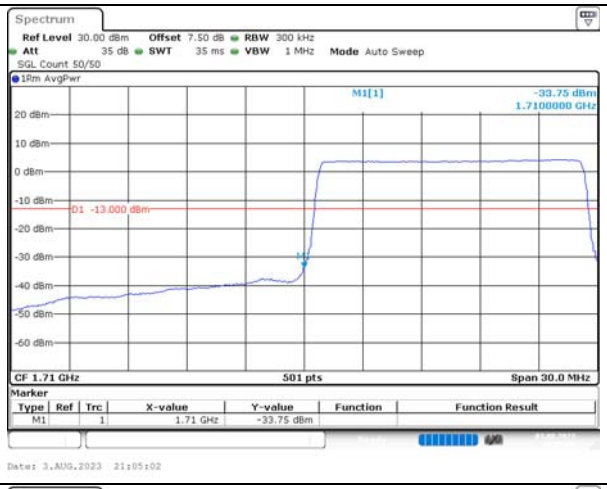
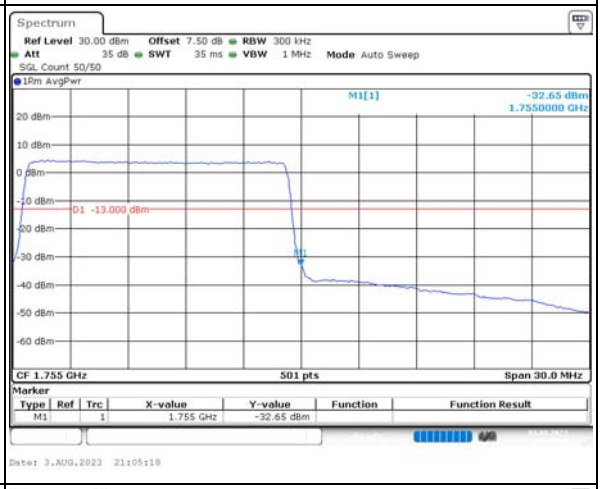
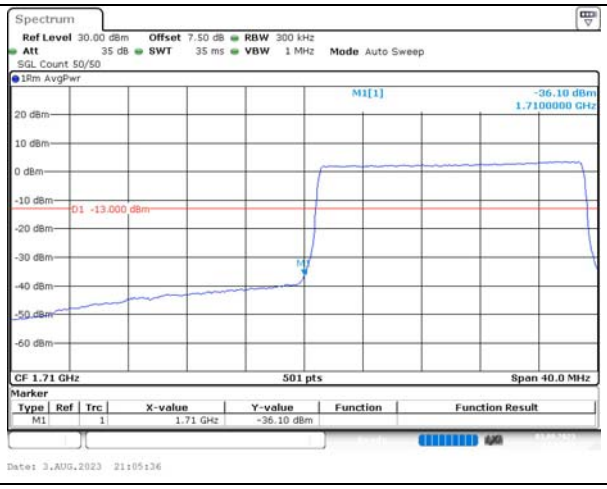
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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

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

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

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

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 10MHz		
16QAM 15MHz		
16QAM 20MHz		

4.7 Radiated Spurious Emissions

Serial Number:	28L4-1	Test Date:	2023/7/22(for above 1GHz Test) 2023/8/8(for below 1GHz Test)
Test Site:	966-2,966-1	Test Mode:	Transmitting
Tester:	Carl Xue, Coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26~27.3	Relative Humidity: (%)	55~66	ATM Pressure: (kPa)	99.8~100.5

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
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/8/15	2023/8/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/8/7	2023/8/6
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/8/7	2023/8/6
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	2022/8/17	2023/8/16
Agilent	Signal Generator	E8247C	MY43321352	2022/11/18	2023/11/17
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	2022/9/16	2023/9/15
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	2022/8/7	2023/8/6

**** 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:

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X, Y, Z Axis according to C63.26 figure 5, the worst orientation was photographed and it`s data was recorded.

Cellular Band

30 MHz-10 GHz:

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)			
GSM 850 Frequency:824.2MHz								
726.80	H	21.13	-51.65	0.00	0.52	-52.17	-13.00	39.17
716.68	V	21.23	-48.33	0.00	0.50	-48.83	-13.00	35.83
1648.400	H	47.01	-57.32	8.68	0.80	-49.44	-13.00	36.44
1648.400	V	44.35	-60.06	8.68	0.80	-52.18	-13.00	39.18
2472.600	H	42.76	-58.02	9.38	1.00	-49.64	-13.00	36.64
2472.600	V	41.93	-58.80	9.38	1.00	-50.42	-13.00	37.42
3296.800	H	40.60	-56.08	10.32	1.15	-46.91	-13.00	33.91
3296.800	V	37.64	-58.80	10.32	1.15	-49.63	-13.00	36.63
GSM 850 Frequency:836.6MHz								
672.89	H	21.02	-52.45	0.00	0.50	-52.95	-13.00	39.95
701.77	V	20.97	-48.91	0.00	0.55	-49.46	-13.00	36.46
1673.200	H	45.37	-58.94	8.71	0.85	-51.08	-13.00	38.08
1673.200	V	42.69	-61.72	8.71	0.85	-53.86	-13.00	40.86
2509.800	H	43.60	-57.01	9.42	1.01	-48.60	-13.00	35.60
2509.800	V	43.67	-56.95	9.42	1.01	-48.54	-13.00	35.54
3346.400	H	39.87	-57.30	10.34	1.16	-48.12	-13.00	35.12
3346.400	V	35.84	-61.19	10.34	1.16	-52.01	-13.00	39.01
GSM 850 Frequency:848.8MHz								
706.72	H	20.97	-52.21	0.00	0.54	-52.75	-13.00	39.75
711.67	V	21.14	-48.53	0.00	0.51	-49.04	-13.00	36.04
1697.600	H	40.16	-64.13	8.74	0.90	-56.29	-13.00	43.29
1697.600	V	40.41	-64.01	8.74	0.90	-56.17	-13.00	43.17
2546.400	H	38.84	-61.49	9.47	1.01	-53.03	-13.00	40.03
2546.400	V	34.67	-65.61	9.47	1.01	-57.15	-13.00	44.15
3395.200	H	43.65	-54.04	10.36	1.19	-44.87	-13.00	31.87
3395.200	V	34.79	-62.87	10.36	1.19	-53.70	-13.00	40.70

PCS Band

30 MHz-20 GHz:

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)			
GSM 1900 Frequency:1850.2MHz								
406.11	H	28.96	-80.11	0.00	0.41	-80.52	-13.00	67.52
45.21	V	37.81	-58.70	-19.59	0.12	-78.41	-13.00	65.41
3700.400	H	43.67	-53.65	10.60	1.25	-44.30	-13.00	31.30
3700.400	V	44.52	-52.78	10.60	1.25	-43.43	-13.00	30.43
5550.600	H	40.18	-53.08	11.44	1.49	-43.13	-13.00	30.13
5550.600	V	41.79	-51.31	11.44	1.49	-41.36	-13.00	28.36
GSM 1900 Frequency:1880MHz								
535.59	H	28.71	-77.42	0.00	0.46	-77.88	-13.00	64.88
44.58	V	37.59	-58.17	-20.35	0.12	-78.64	-13.00	65.64
3760.000	H	42.04	-54.37	10.66	1.24	-44.95	-13.00	31.95
3760.000	V	41.79	-54.50	10.66	1.24	-45.08	-13.00	32.08
5640.000	H	39.57	-53.88	11.33	1.54	-44.09	-13.00	31.09
5640.000	V	40.08	-53.25	11.33	1.54	-43.46	-13.00	30.46
GSM 1900 Frequency:1909.8MHz								
66.15	H	28.86	-74.96	-7.04	0.15	-82.15	-13.00	69.15
45.21	V	38.12	-58.39	-19.59	0.12	-78.10	-13.00	65.10
3819.600	H	44.78	-51.08	10.72	1.29	-41.65	-13.00	28.65
3819.600	V	45.67	-50.05	10.72	1.29	-40.62	-13.00	27.62
5729.400	H	39.12	-54.36	11.22	1.59	-44.73	-13.00	31.73
5729.400	V	42.57	-50.79	11.22	1.59	-41.16	-13.00	28.16

WCDMA Band 2:

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								
96.92	H	28.78	-83.79	0.00	0.19	-83.98	-13.00	70.98
45.21	V	37.47	-59.04	-19.59	0.12	-78.75	-13.00	65.75
3704.800	H	42.65	-54.61	10.60	1.25	-45.26	-13.00	32.26
3704.800	V	37.89	-59.34	10.60	1.25	-49.99	-13.00	36.99
5557.200	H	34.27	-59.01	11.43	1.49	-49.07	-13.00	36.07
5557.200	V	34.66	-58.47	11.43	1.49	-48.53	-13.00	35.53
WCDMA Band II, Frequency:1880 MHz								
111.49	H	28.91	-83.30	0.00	0.20	-83.50	-13.00	70.50
45.21	V	37.53	-58.98	-19.59	0.12	-78.69	-13.00	65.69
3760.000	H	43.87	-52.54	10.66	1.24	-43.12	-13.00	30.12
3760.000	V	38.87	-57.42	10.66	1.24	-48.00	-13.00	35.00
5640.000	H	34.28	-59.17	11.33	1.54	-49.38	-13.00	36.38
5640.000	V	34.09	-59.24	11.33	1.54	-49.45	-13.00	36.45
WCDMA Band II, Frequency:1907.6MHz								
451.11	H	28.82	-79.19	0.00	0.43	-79.62	-13.00	66.62
45.53	V	37.51	-59.31	-19.28	0.12	-78.71	-13.00	65.71
3815.200	H	43.08	-52.77	10.72	1.29	-43.34	-13.00	30.34
3815.200	V	38.19	-57.50	10.72	1.29	-48.07	-13.00	35.07
5722.800	H	34.58	-58.91	11.23	1.58	-49.26	-13.00	36.26
5722.800	V	34.79	-58.56	11.23	1.58	-48.91	-13.00	35.91

WCDMA Band 5:

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								
580.70	H	21.28	-52.96	0.00	0.46	-53.42	-13.00	40.42
665.84	V	20.83	-49.71	0.00	0.50	-50.21	-13.00	37.21
1652.800	H	40.26	-64.07	8.68	0.81	-56.20	-13.00	43.20
1652.800	V	38.79	-65.62	8.68	0.81	-57.75	-13.00	44.75
2479.200	H	38.64	-62.12	9.39	1.01	-53.74	-13.00	40.74
2479.200	V	40.02	-60.71	9.39	1.01	-52.33	-13.00	39.33
3305.600	H	37.46	-59.27	10.32	1.15	-50.10	-13.00	37.10
3305.600	V	35.16	-61.34	10.32	1.15	-52.17	-13.00	39.17
WCDMA Band 5 Frequency:836.6MHz								
731.75	H	20.94	-51.74	0.00	0.53	-52.27	-13.00	39.27
724.26	V	20.70	-48.69	0.00	0.51	-49.20	-13.00	36.20
1673.200	H	41.03	-63.28	8.71	0.85	-55.42	-13.00	42.42
1673.200	V	36.42	-67.99	8.71	0.85	-60.13	-13.00	47.13
2509.800	H	39.88	-60.73	9.42	1.01	-52.32	-13.00	39.32
2509.800	V	40.38	-60.24	9.42	1.01	-51.83	-13.00	38.83
3346.400	H	38.67	-58.50	10.34	1.16	-49.32	-13.00	36.32
3346.400	V	34.65	-62.38	10.34	1.16	-53.20	-13.00	40.20
WCDMA Band 5 Frequency:846.6MHz								
631.68	H	21.49	-52.20	0.00	0.49	-52.69	-13.00	39.69
663.53	V	21.15	-49.43	0.00	0.50	-49.93	-13.00	36.93
1693.200	H	36.47	-67.83	8.73	0.89	-59.99	-13.00	46.99
1693.200	V	41.35	-63.07	8.73	0.89	-55.23	-13.00	42.23
2539.800	H	41.83	-58.55	9.46	1.01	-50.10	-13.00	37.10
2539.800	V	35.46	-64.88	9.46	1.01	-56.43	-13.00	43.43
3386.400	H	35.18	-62.41	10.35	1.18	-53.24	-13.00	40.24
3386.400	V	34.47	-63.07	10.35	1.18	-53.90	-13.00	40.90

LTE Bands:

(The Worst modulation and bandwidth were 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, 1.4MHz, Frequency:1850.7 MHz								
653.96	H	28.70	-76.00	0.00	0.52	-76.52	-13.00	63.52
45.05	V	37.57	-58.78	-19.75	0.12	-78.65	-13.00	65.65
3701.400	H	43.67	-53.64	10.60	1.25	-44.29	-13.00	31.29
3701.400	V	42.51	-54.78	10.60	1.25	-45.43	-13.00	32.43
5552.100	H	34.65	-58.62	11.44	1.49	-48.67	-13.00	35.67
5552.100	V	34.81	-58.29	11.44	1.49	-48.34	-13.00	35.34
QPSK, 1.4MHz, Frequency:1880 MHz								
556.63	H	28.63	-77.07	0.00	0.48	-77.55	-13.00	64.55
44.90	V	37.60	-58.57	-19.93	0.12	-78.62	-13.00	65.62
3760.000	H	42.97	-53.44	10.66	1.24	-44.02	-13.00	31.02
3760.000	V	41.46	-54.83	10.66	1.24	-45.41	-13.00	32.41
5640.000	H	34.73	-58.72	11.33	1.54	-48.93	-13.00	35.93
5640.000	V	34.65	-58.68	11.33	1.54	-48.89	-13.00	35.89
QPSK, 1.4MHz, Frequency:1909.3 MHz								
107.28	H	28.71	-83.56	0.00	0.19	-83.75	-13.00	70.75
45.21	V	37.79	-58.72	-19.59	0.12	-78.43	-13.00	65.43
3818.600	H	41.96	-53.90	10.72	1.29	-44.47	-13.00	31.47
3818.600	V	41.78	-53.93	10.72	1.29	-44.50	-13.00	31.50
5727.900	H	34.52	-58.96	11.23	1.59	-49.32	-13.00	36.32
5727.900	V	34.35	-59.01	11.23	1.59	-49.37	-13.00	36.37

LTE Band 4(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, 1.4MHz, Frequency: 1710.7 MHz								
112.67	H	28.65	-83.54	0.00	0.20	-83.74	-13.00	70.74
45.21	V	37.48	-59.03	-19.59	0.12	-78.74	-13.00	65.74
3421.400	H	39.65	-58.11	10.37	1.17	-48.91	-13.00	35.91
3421.400	V	38.46	-59.27	10.37	1.17	-50.07	-13.00	37.07
5132.100	H	34.77	-58.80	11.28	1.47	-48.99	-13.00	35.99
5132.100	V	35.16	-58.30	11.28	1.47	-48.49	-13.00	35.49
QPSK, 1.4MHz, Frequency: 1732.5 MHz								
45.79	H	28.72	-64.92	-19.03	0.12	-84.07	-13.00	71.07
45.21	V	37.61	-58.90	-19.59	0.12	-78.61	-13.00	65.61
3465.000	H	38.16	-59.65	10.39	1.15	-50.41	-13.00	37.41
3465.000	V	37.46	-60.31	10.39	1.15	-51.07	-13.00	38.07
5197.500	H	34.69	-59.44	11.32	1.44	-49.56	-13.00	36.56
5197.500	V	34.79	-59.19	11.32	1.44	-49.31	-13.00	36.31
QPSK, 1.4MHz, Frequency: 1754.3 MHz								
39.11	H	28.89	-54.26	-25.97	0.11	-80.34	-13.00	67.34
45.05	V	37.53	-58.82	-19.75	0.12	-78.69	-13.00	65.69
3508.600	H	38.87	-58.95	10.41	1.19	-49.73	-13.00	36.73
3508.600	V	37.68	-60.08	10.41	1.19	-50.86	-13.00	37.86
5262.900	H	35.49	-58.21	11.36	1.47	-48.32	-13.00	35.32
5262.900	V	34.98	-58.49	11.36	1.47	-48.60	-13.00	35.60

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

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