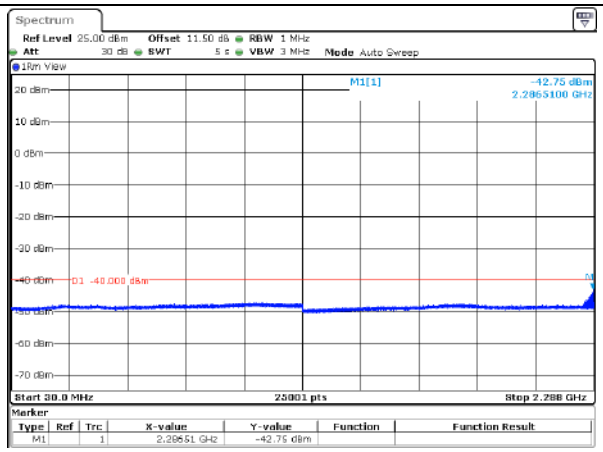
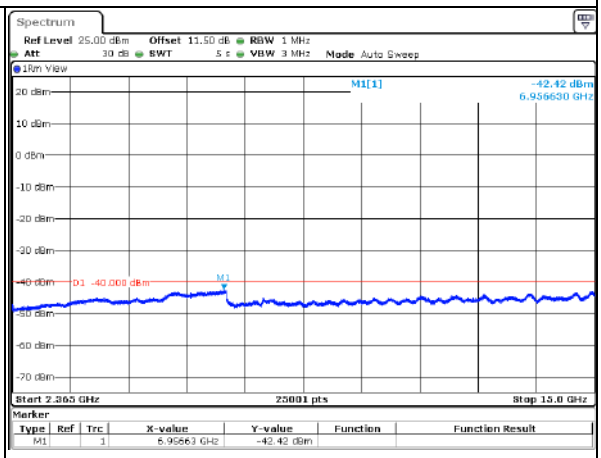
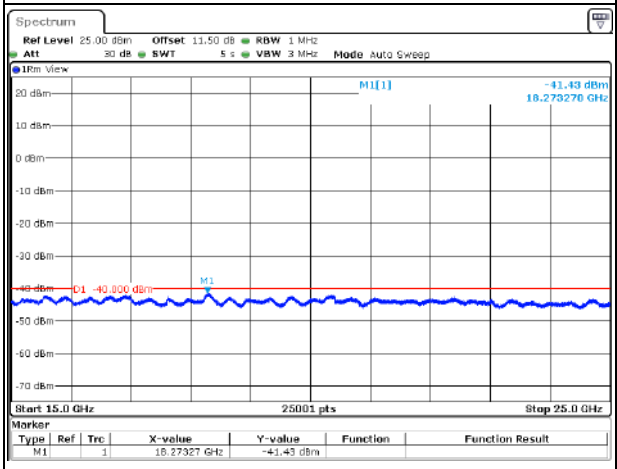
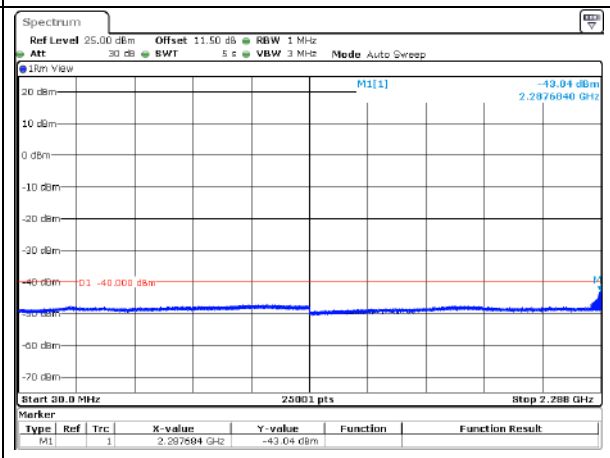
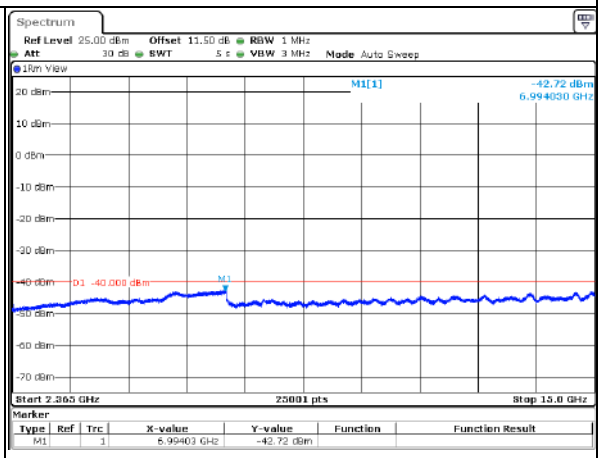
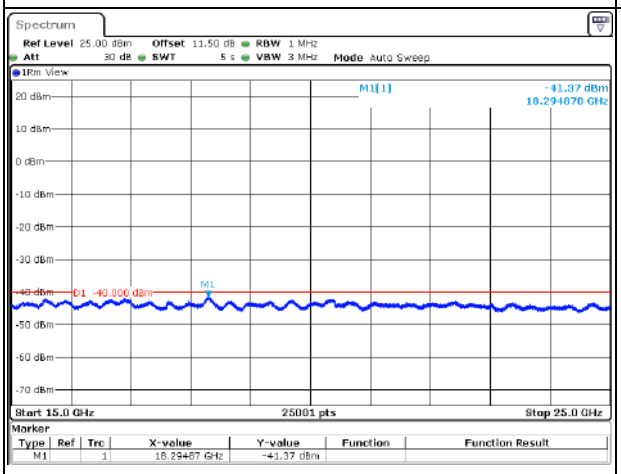
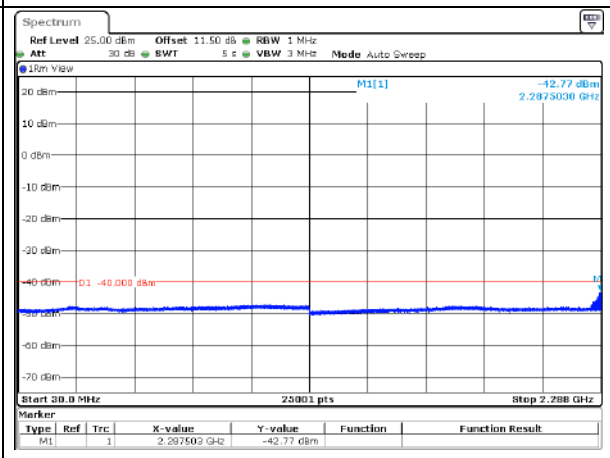
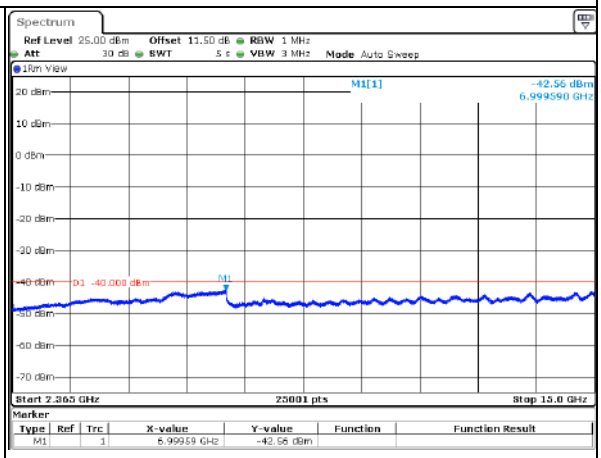
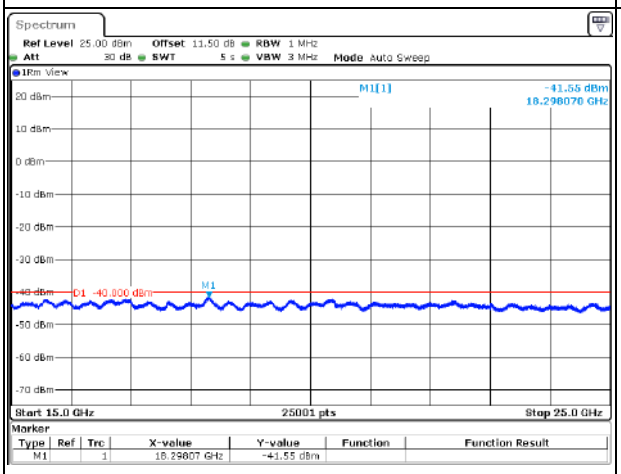
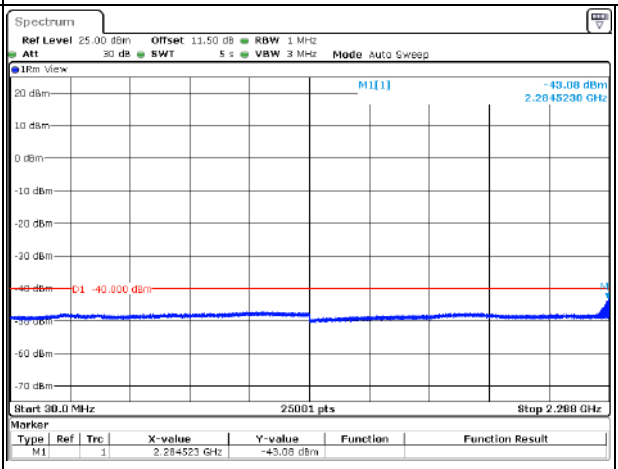
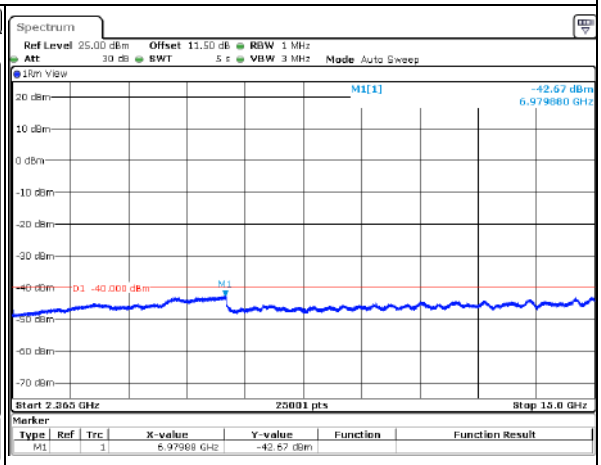
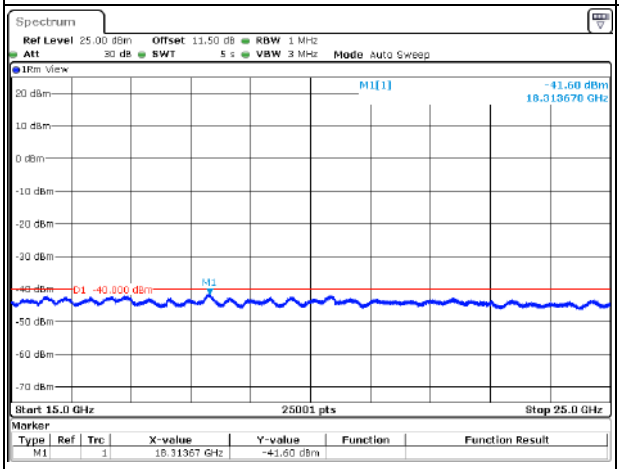
2350-2360 MHz:

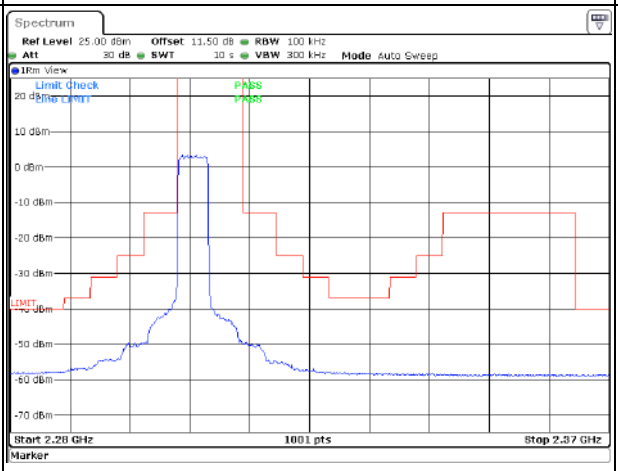
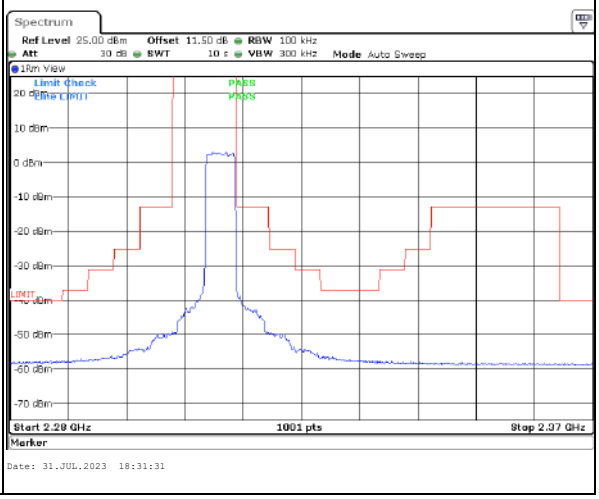
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
		

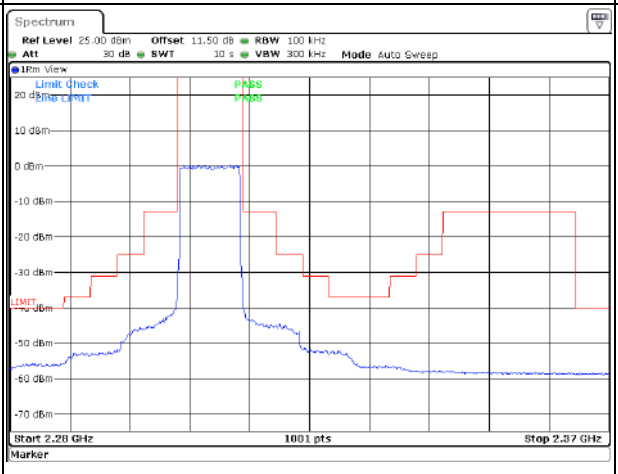
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Middle		
		

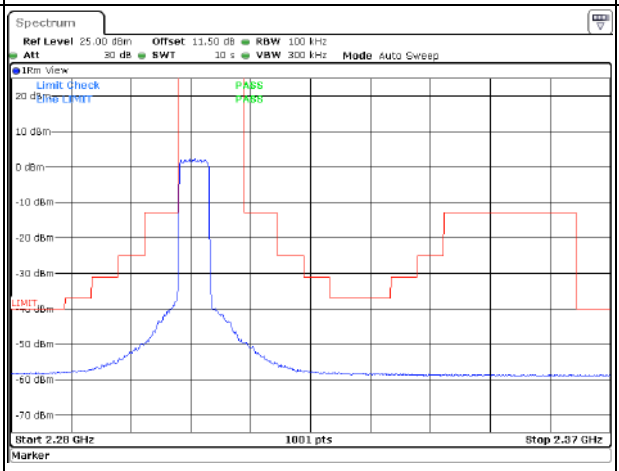
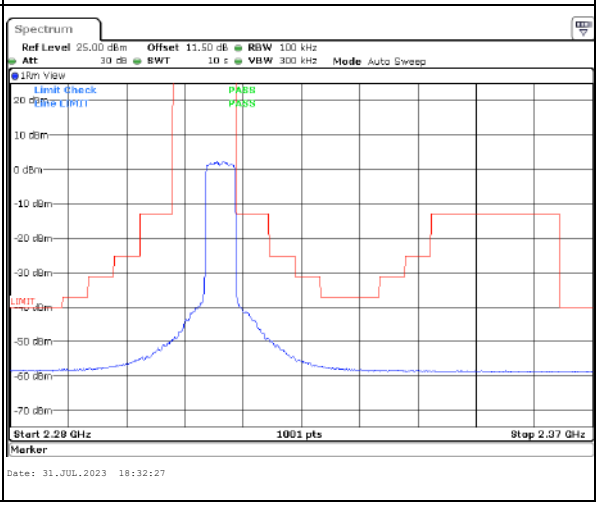
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Highest		
		

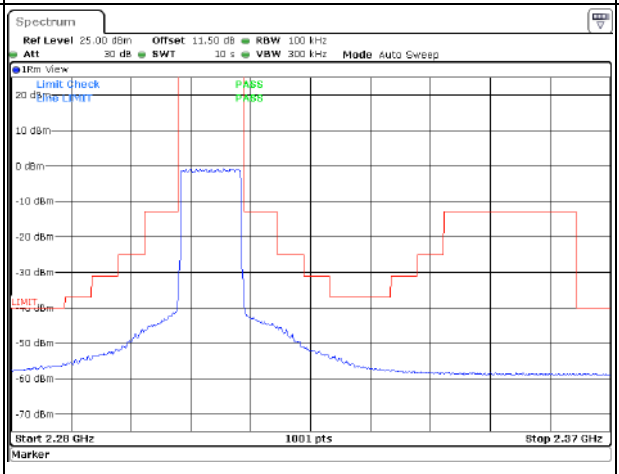
Spurious Emissions at Antenna Terminal	
Channel	**10MHz Bandwidth QPSK**
Middle	  

2305-2315 MHz:

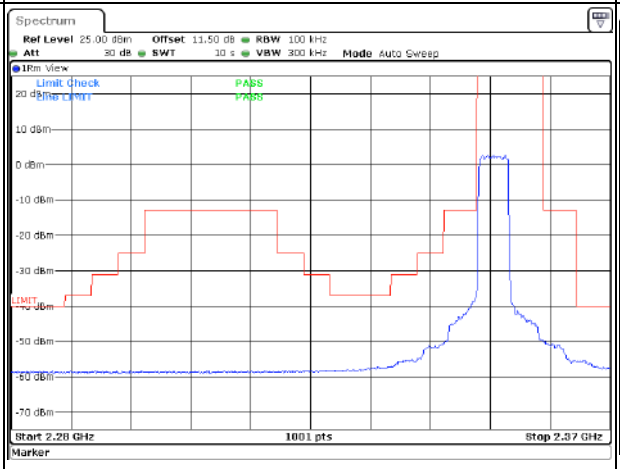
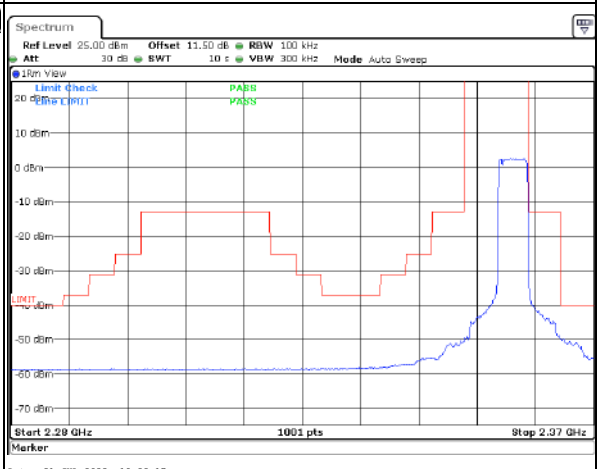
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		

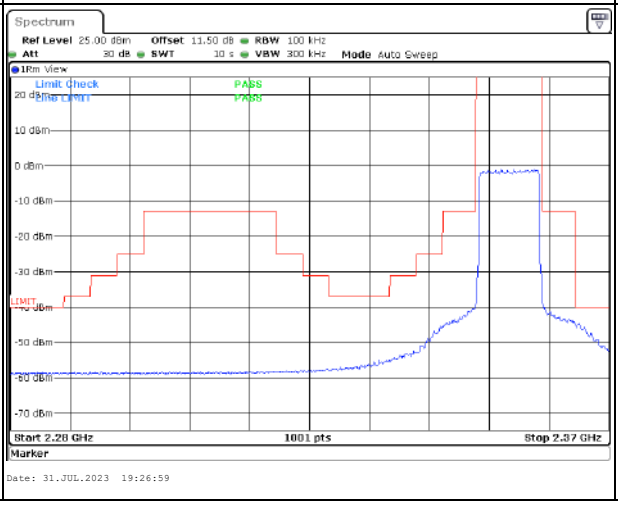
Out of band emission, Band Edge		
Mode	Middle	
QPSK 10MHz		

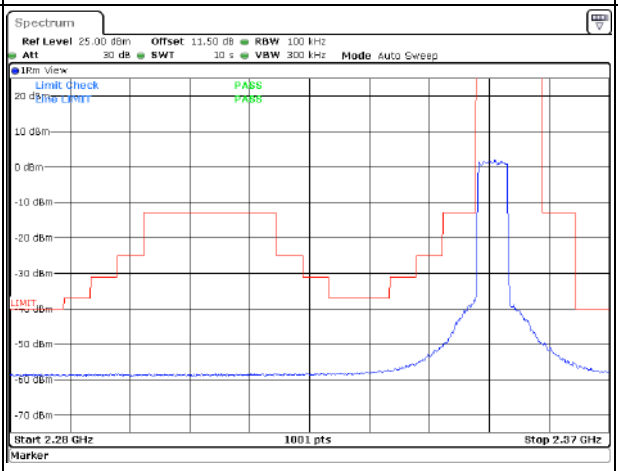
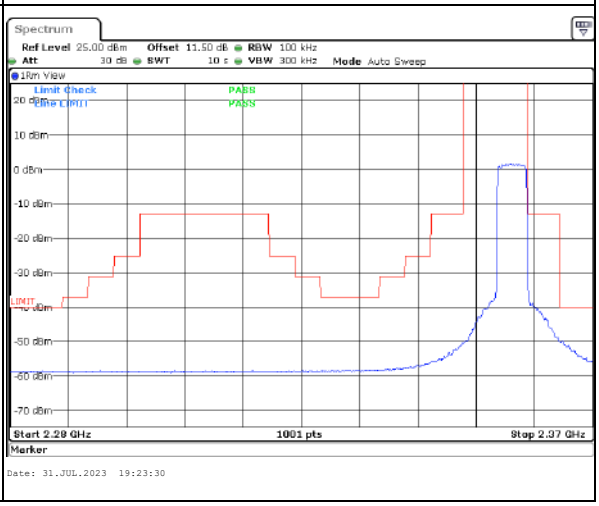
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 5MHz		

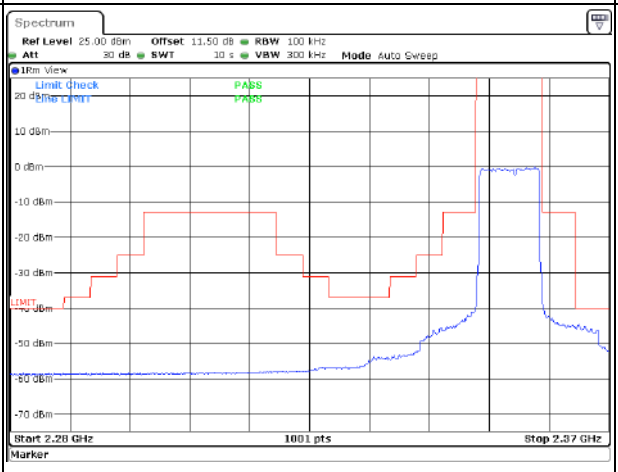
Out of band emission, Band Edge		
Mode	Middle	
16QAM 10MHz		

2350-2360 MHz:

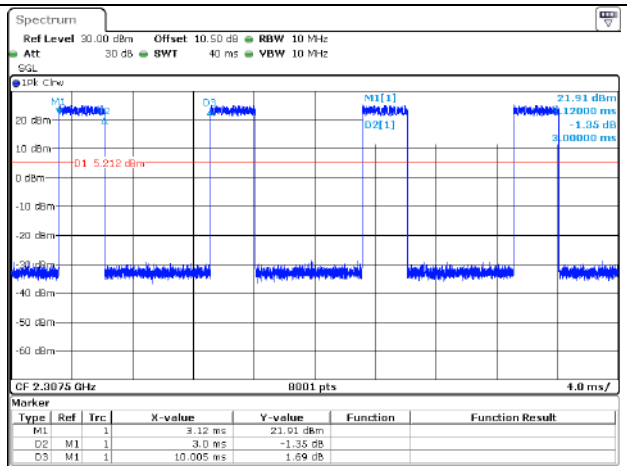
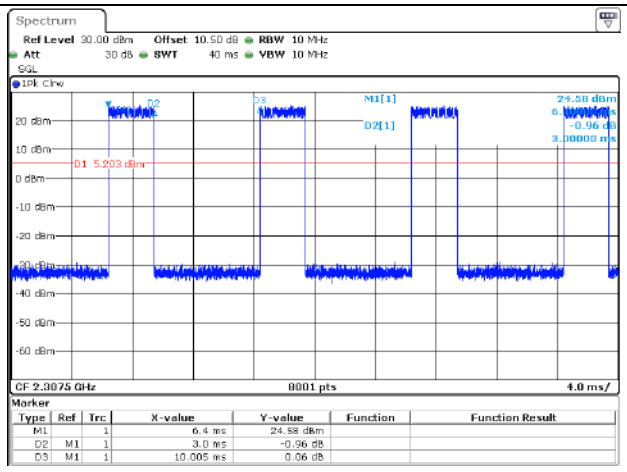
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		

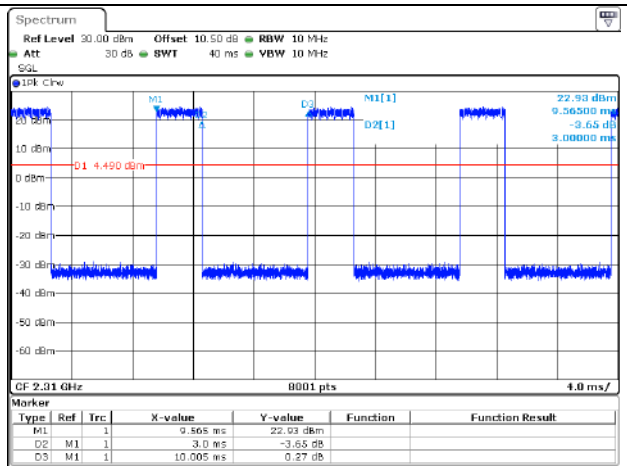
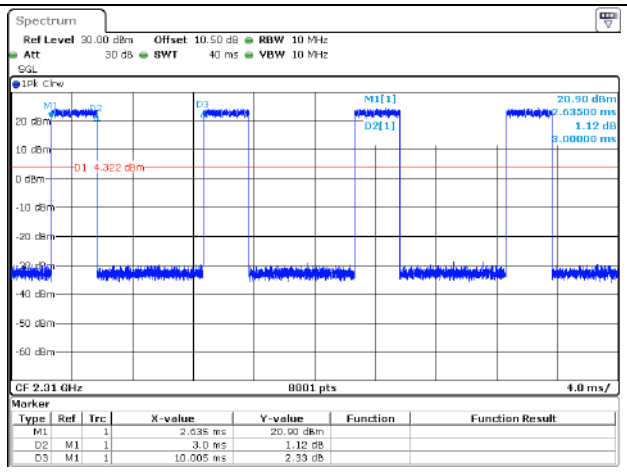
Out of band emission, Band Edge		
Mode	Middle	
QPSK 10MHz		

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

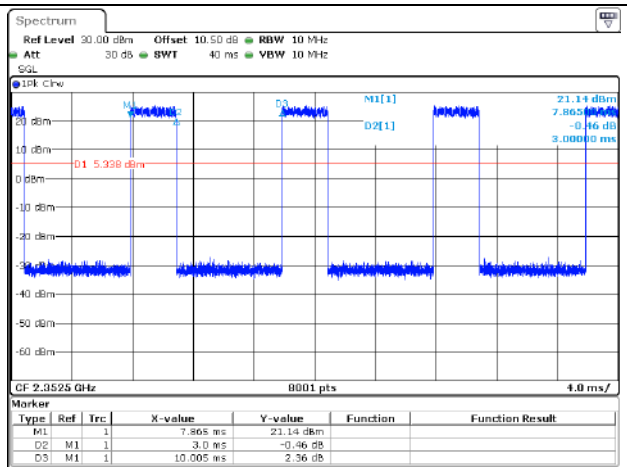
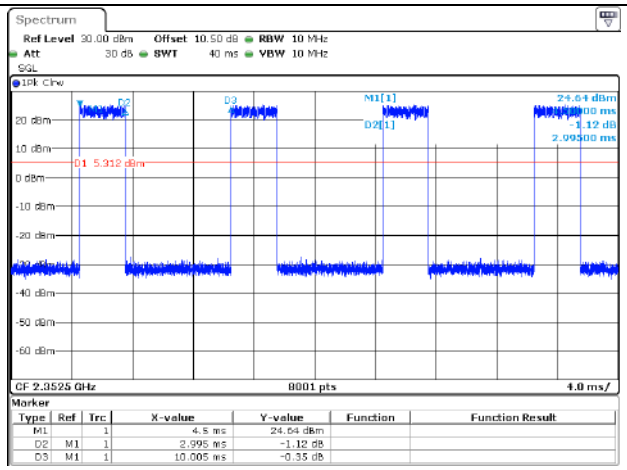
Out of band emission, Band Edge		
Mode	Middle	
16QAM 10MHz		

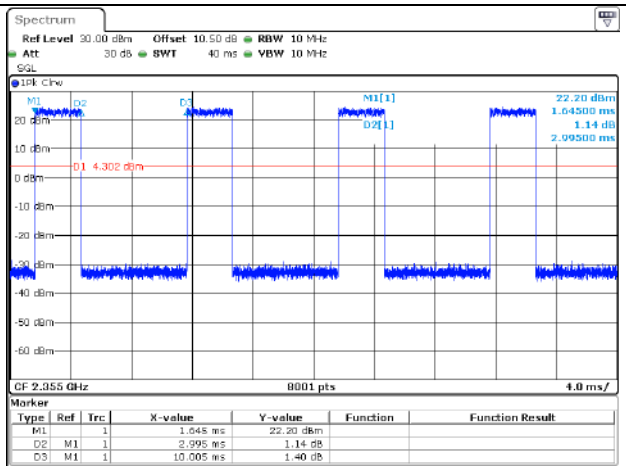
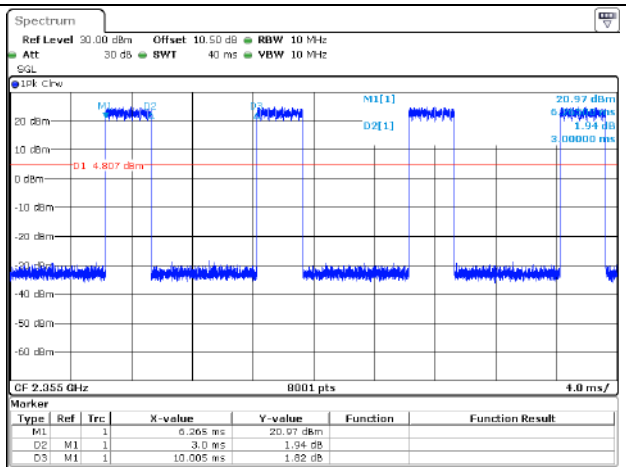
2305-2315 MHz:

Duty cycle	
Mode	
QPSK 5MHz	
16QAM 5MHz	

Duty cycle	
Mode	
QPSK 10MHz	
16QAM 10MHz	

2350-2360 MHz:

Duty cycle	
Mode	
QPSK 5MHz	
16QAM 5MHz	

Duty cycle	
Mode	
QPSK 10MHz	
16QAM 10MHz	

4.14 Antenna Port Test Data and Results for LTE Band 41

Serial Number:	28O3-4	Test Date:	2023/7/28-2023/7/31
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	25.6	Relative Humidity: (%)	64	ATM Pressure: (kPa)	101

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200120	2023/4/18	2024/4/17
R&S	Wideband Radio Communication Tester	CMW500	143458	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
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)
5MHz	2537.5	2595	2652.5
10MHz	2540	2595	2650
15MHz	2542.5	2595	2647.5
20MHz	2545	2595	2645

Test Data:

FCC§2.1046;§ 27.50(h)(2)

RF Output Power:

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	23.29	21.65	22.86	25.11	33
	RB1#13	23.38	21.63	22.87		
	RB1#24	23.27	21.71	22.89		
	RB15#0	22.17	20.76	21.66		
	RB15#10	22.2	20.77	21.67		
	RB25#0	22.16	20.75	21.76		
5MHz 16QAM	RB1#0	22.74	20.5	22.05	24.48	33
	RB1#13	22.6	20.56	22.08		
	RB1#24	22.75	20.7	21.57		
	RB15#0	21.44	19.99	20.94		
	RB15#10	21.43	20.06	20.95		
	RB25#0	21.44	19.69	20.92		
10MHz QPSK	RB1#0	23.16	21.75	22.56	24.89	33
	RB1#25	23.04	21.75	22.58		
	RB1#49	23.08	21.86	22.62		
	RB25#0	22.2	20.73	21.72		
	RB25#25	22.04	20.85	21.71		
	RB50#0	22.06	20.63	21.66		
10MHz 16QAM	RB1#0	22.29	21.01	21.62	24.56	33
	RB1#25	22.56	21.18	21.75		
	RB1#49	22.83	21.42	21.65		
	RB25#0	21.24	19.95	20.72		
	RB25#25	21.19	19.98	20.71		
	RB50#0	21.22	19.81	20.84		
15MHz QPSK	RB1#0	23.1	21.47	22.55	24.83	33
	RB1#38	23.02	21.57	22.66		
	RB1#74	22.95	21.65	22.54		
	RB36#0	22.05	20.74	21.6		
	RB36#39	22.11	20.85	21.64		
	RB75#0	22.07	20.73	21.62		
15MHz 16QAM	RB1#0	22.37	20.97	21.67	24.28	33
	RB1#38	22.55	20.98	21.72		
	RB1#74	22.44	21.11	21.69		
	RB36#0	21.27	19.81	20.75		
	RB36#39	21.19	19.89	20.74		
	RB75#0	21.18	19.78	20.77		

20MHz QPSK	RB1#0	23.16	21.85	22.84	24.89	33
	RB1#50	23.15	21.88	22.89		
	RB1#99	23.04	22.07	22.99		
	RB50#0	22.12	20.66	21.7		
	RB50#50	22.03	20.75	21.73		
	RB100#0	22.12	20.77	21.67		
20MHz 16QAM	RB1#0	22.01	21.5	22.21	23.95	33
	RB1#50	21.93	21.5	22.16		
	RB1#99	21.93	21.71	22.22		
	RB50#0	21.38	19.75	20.88		
	RB50#50	21.27	20.03	20.98		
	RB100#0	21.25	19.79	20.85		
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	8.61	8.17	7.68	13
	RB100#0	9.1	8.9	8.67	13
20MHz 16QAM	RB1#0	9.16	8.9	8.26	13
	RB100#0	9.94	9.71	9.45	13
				Result:	**Pass**

FCC §2.1049, §27.53:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.511	4.511	4.511	4.980	5.020	5.000
5MHz 16QAM	4.511	4.511	4.511	5.000	5.000	4.980
10MHz QPSK	8.942	8.942	8.982	9.840	9.880	9.720
10MHz 16QAM	8.942	8.942	8.942	9.720	9.760	9.720
15MHz QPSK	13.413	13.533	13.533	15.000	15.000	15.000
15MHz 16QAM	13.593	13.533	13.533	15.840	14.880	14.940
20MHz QPSK	17.964	17.964	18.044	19.600	19.440	19.520
20MHz 16QAM	18.044	17.964	18.044	19.600	19.680	19.520
Note: The test plots please refer to the Plots of Occupied Bandwidth						

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

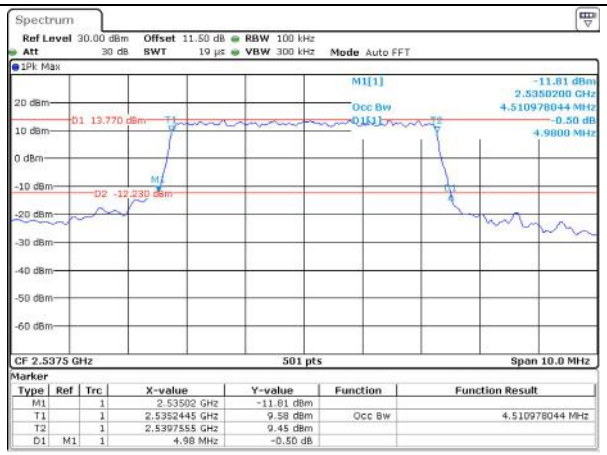
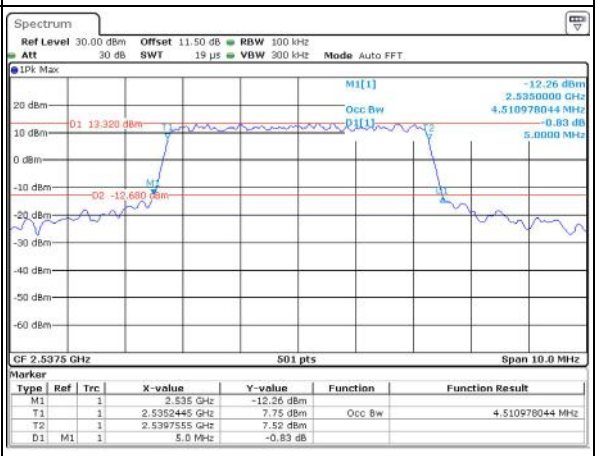
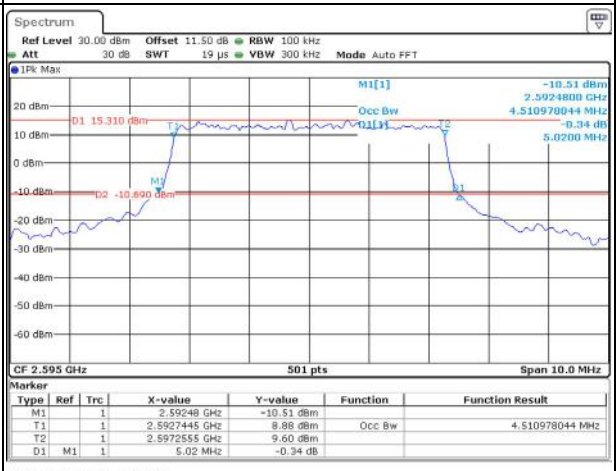
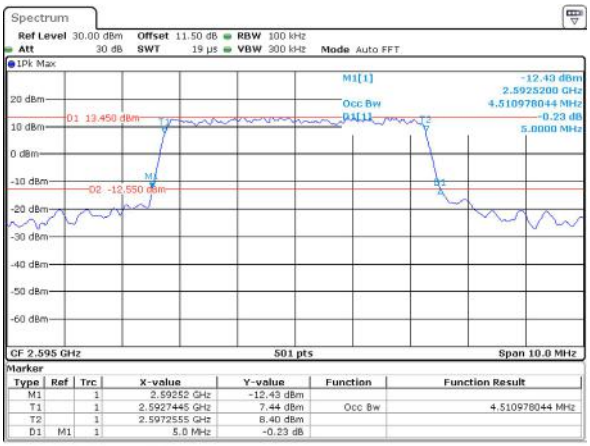
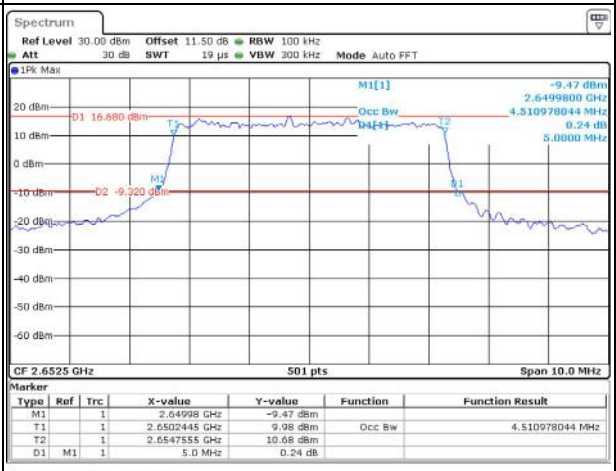
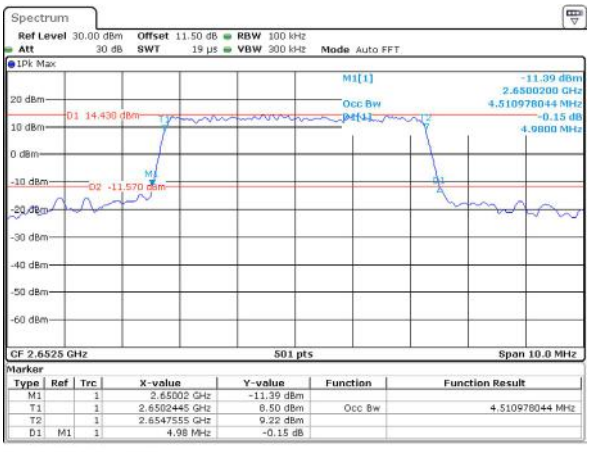
FCC §2.1051, § 27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

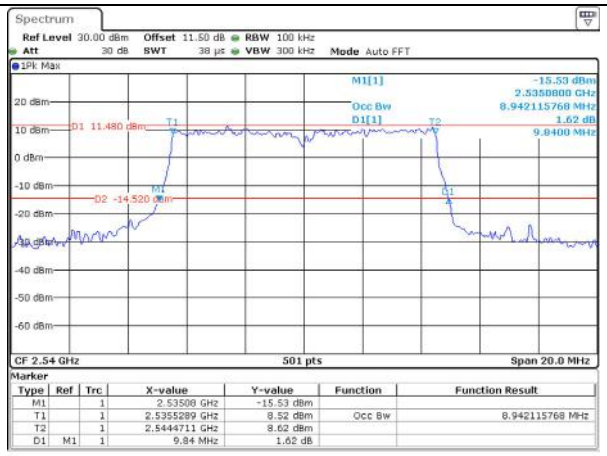
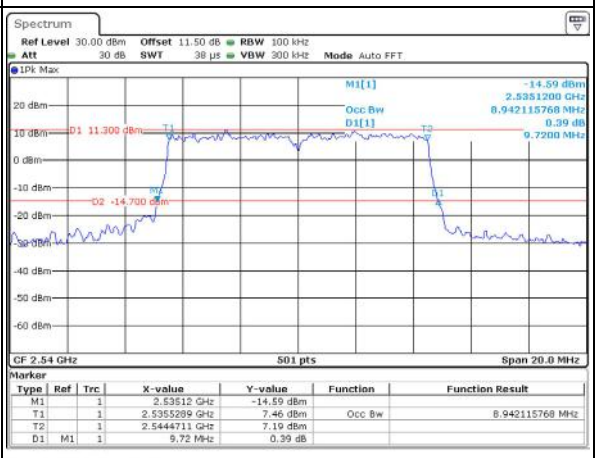
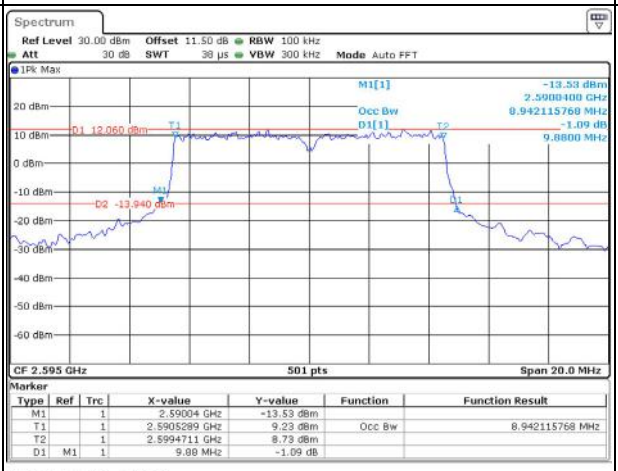
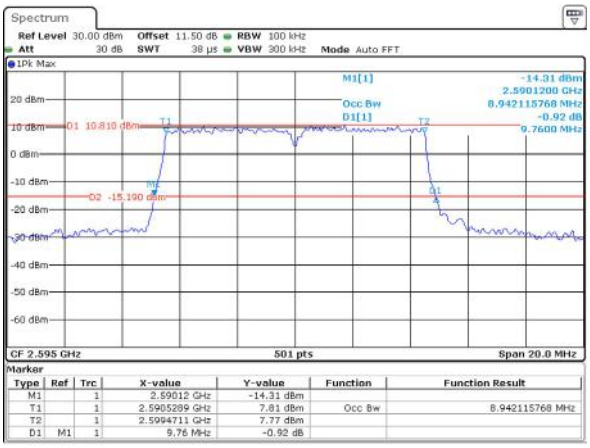
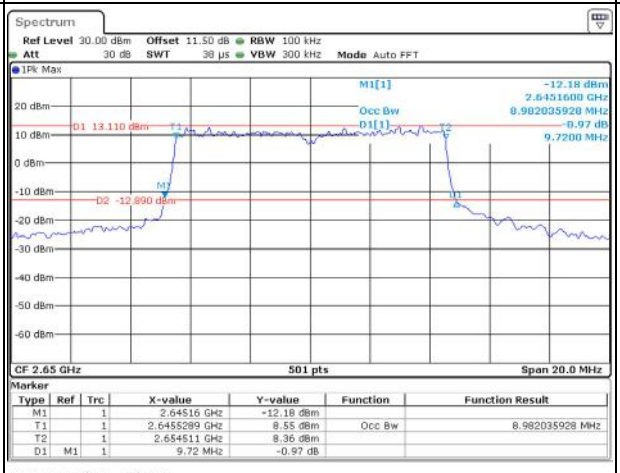
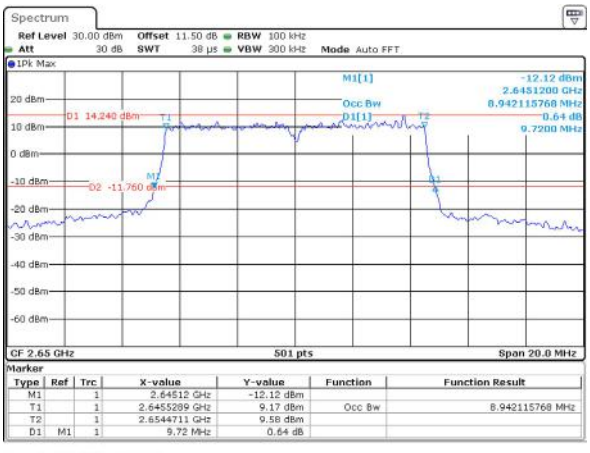
FCC §2.1055, §27.54: Frequency Stability

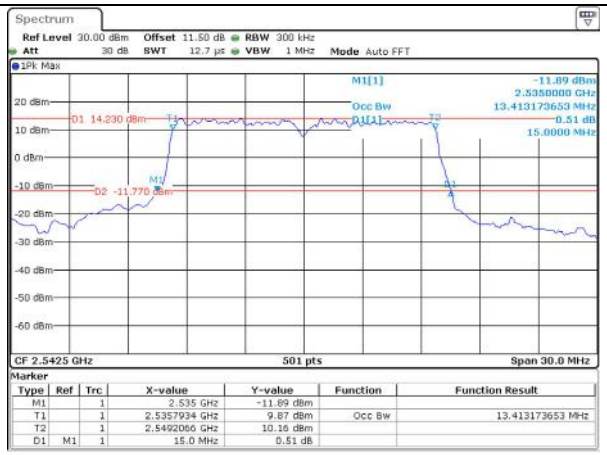
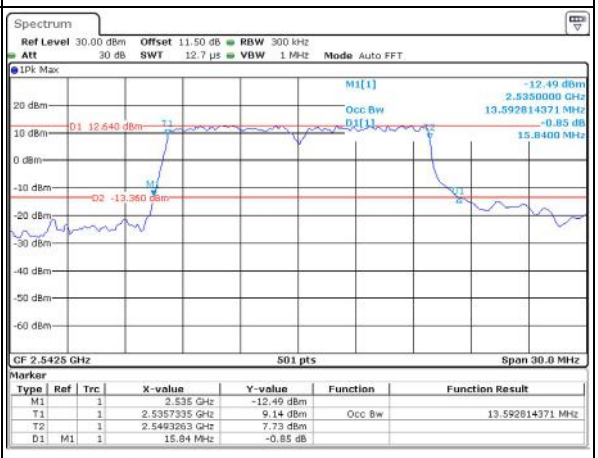
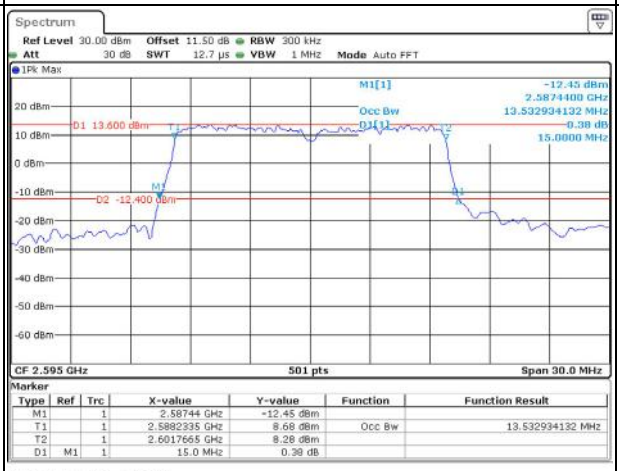
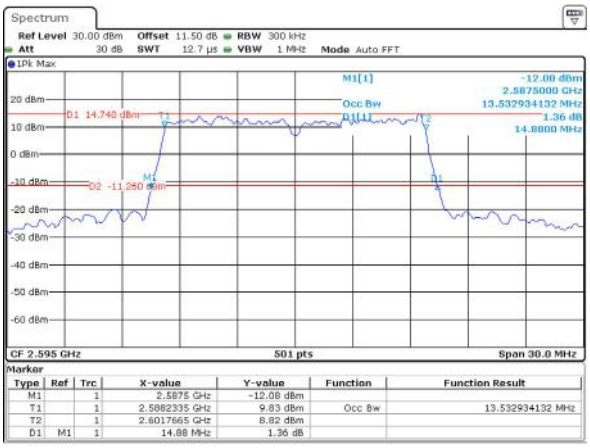
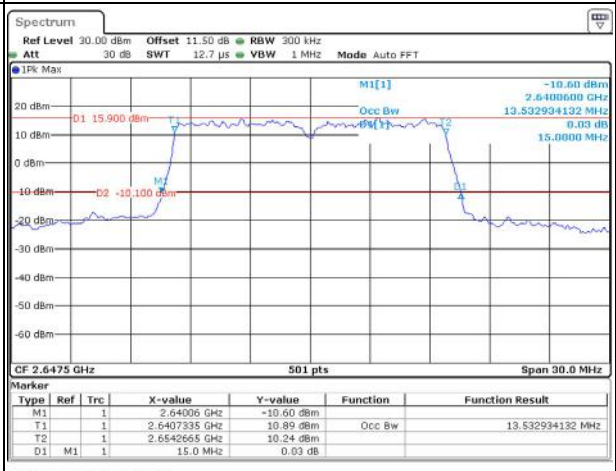
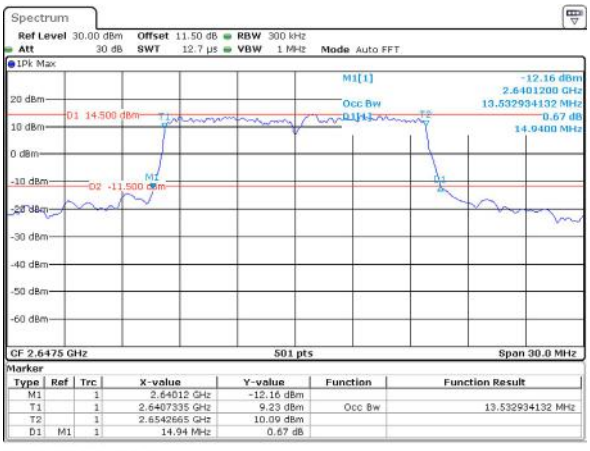
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2535.2306	2535.00	2654.9272	2655
	-20	3.8	2535.2685	2535.00	2654.9253	2655
	-10	3.8	2535.2464	2535.00	2654.9591	2655
	0	3.8	2535.1922	2535.00	2654.9458	2655
	10	3.8	2535.1147	2535.00	2654.9276	2655
	20	3.8	2535.2445	2535.00	2654.9372	2655
	30	3.8	2535.1193	2535.00	2654.9257	2655
	40	3.8	2535.2749	2535.00	2654.914	2655
	50	3.8	2535.1237	2535.00	2654.9851	2655
Frequency Stability vs. Voltage	20	3.4	2535.1319	2535.00	2654.9627	2655
	20	4.35	2535.1844	2535.00	2654.9542	2655
					Result:	**Pass**

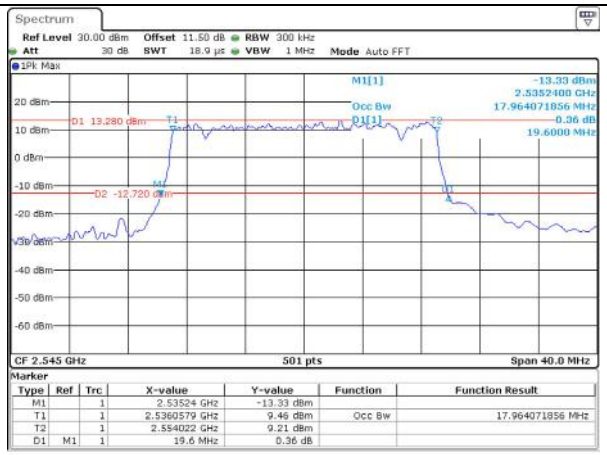
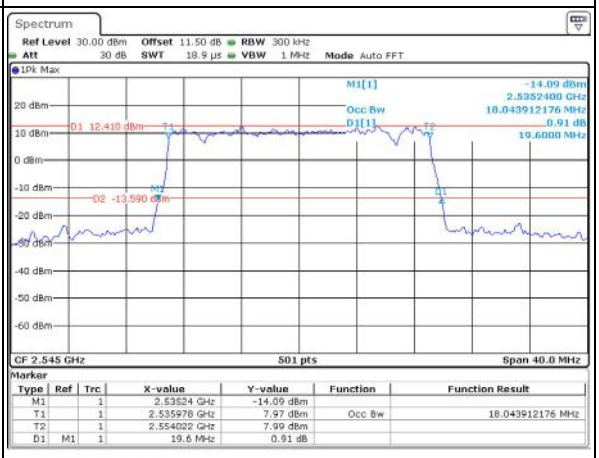
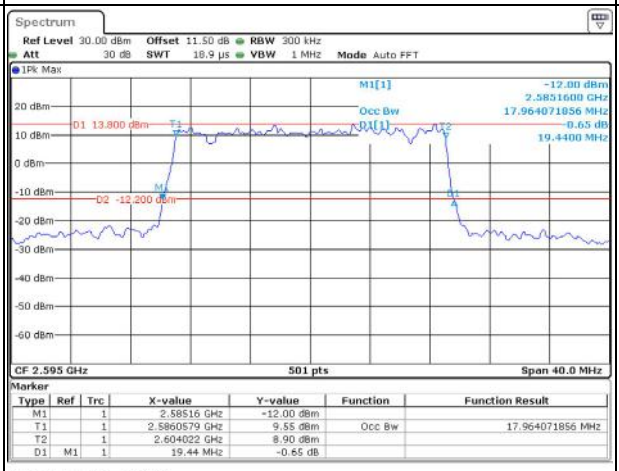
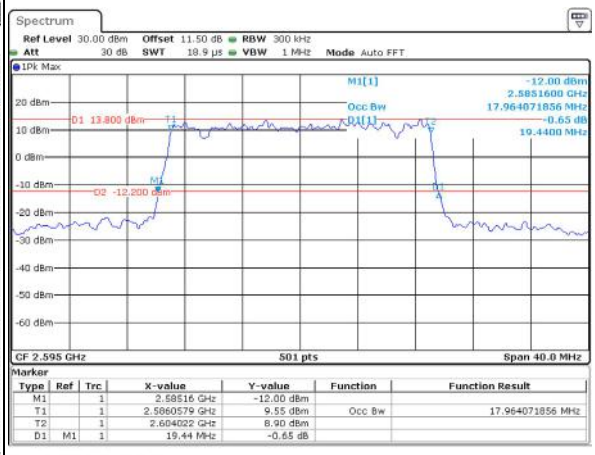
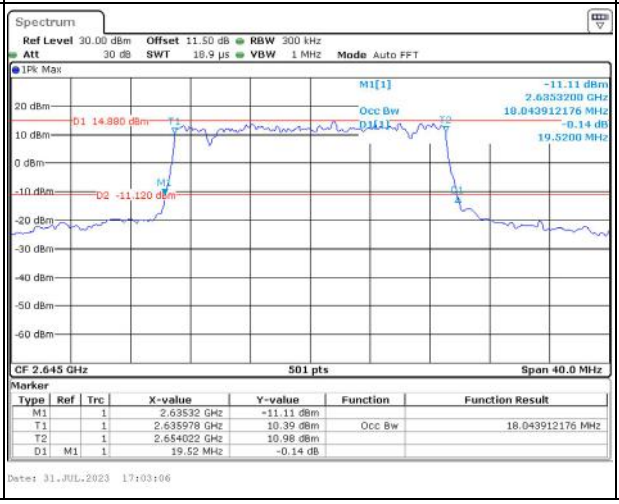
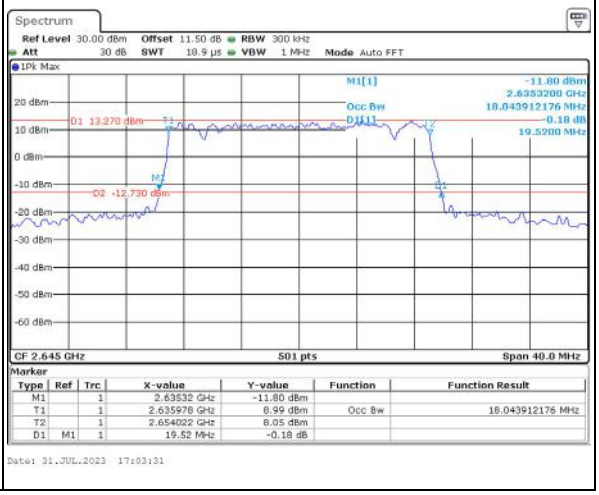
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2535.2307	2535.00	2654.9266	2655
	-20	3.8	2535.2685	2535.00	2654.9257	2655
	-10	3.8	2535.2472	2535.00	2654.9162	2655
	0	3.8	2535.1940	2535.00	2654.9582	2655
	10	3.8	2535.1152	2535.00	2654.9657	2655
	20	3.8	2535.1440	2535.00	2654.9461	2655
	30	3.8	2535.2180	2535.00	2654.9664	2655
	40	3.8	2535.1767	2535.00	2654.9264	2655
	50	3.8	2535.1253	2535.00	2654.9481	2655
Frequency Stability vs. Voltage	20	3.4	2535.1310	2535.00	2654.959	2655
	20	4.35	2535.1836	2535.00	2654.9701	2655
					Result:	**Pass**

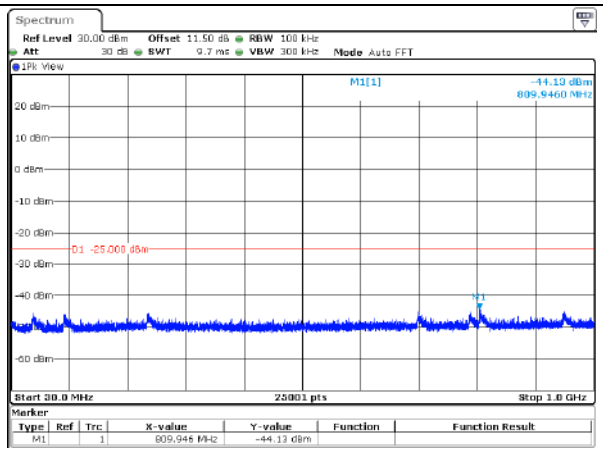
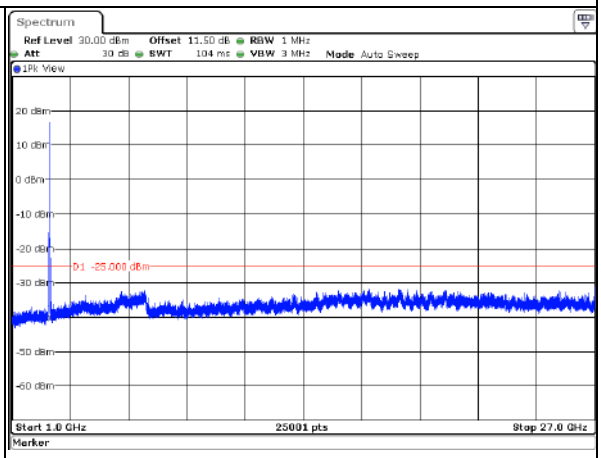
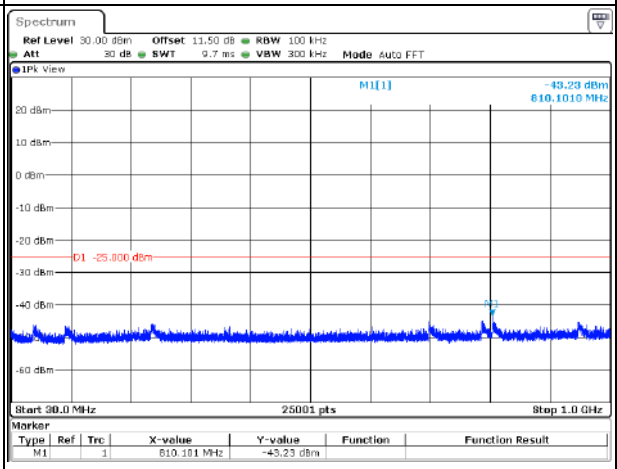
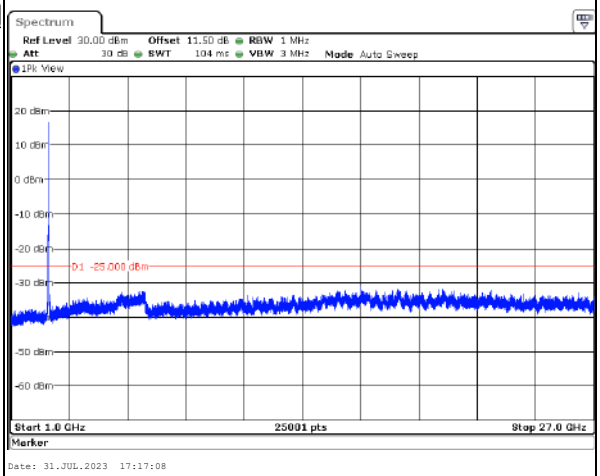
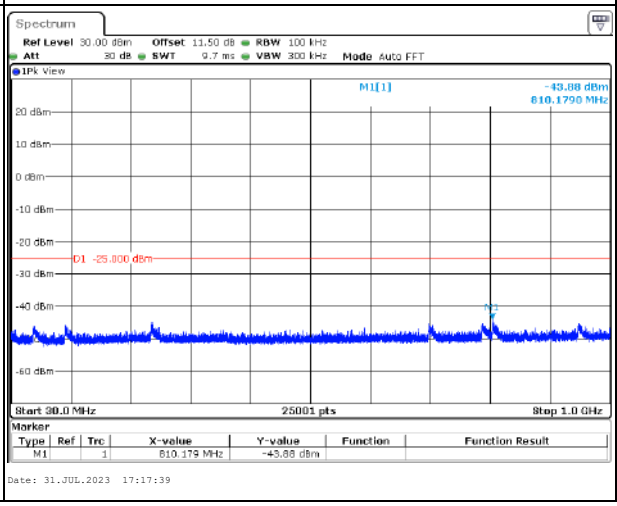
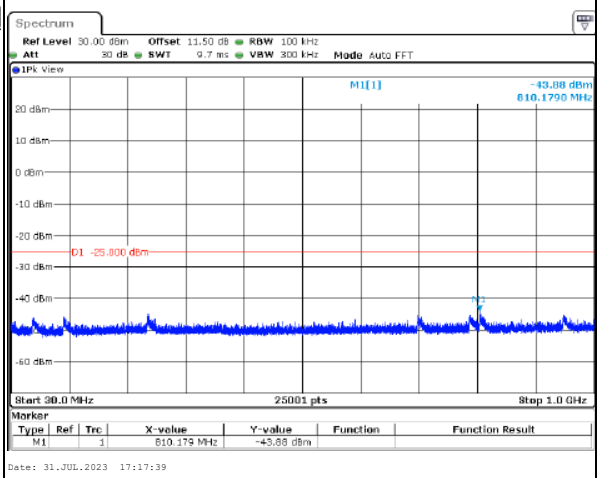
Test Plots (Note: The 11.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

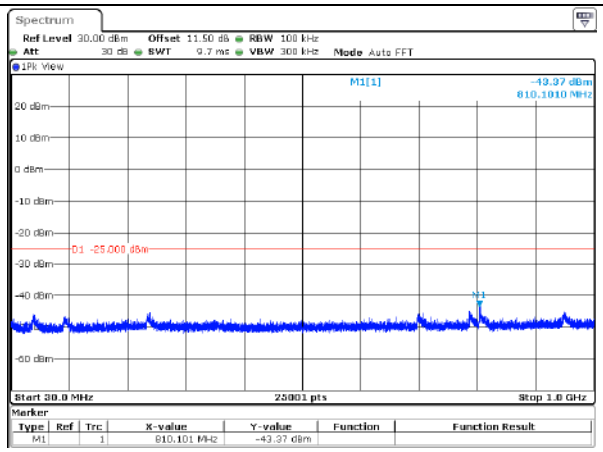
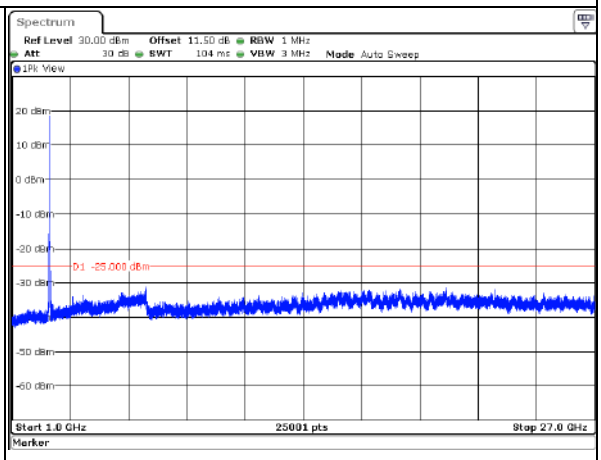
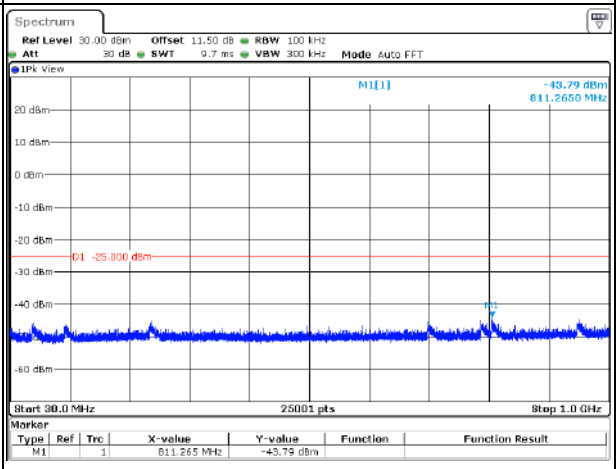
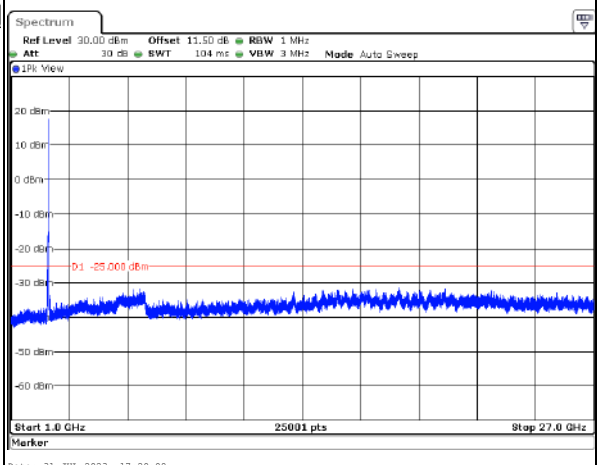
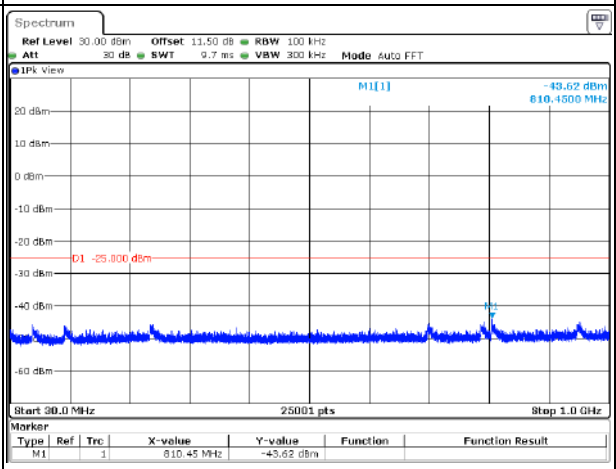
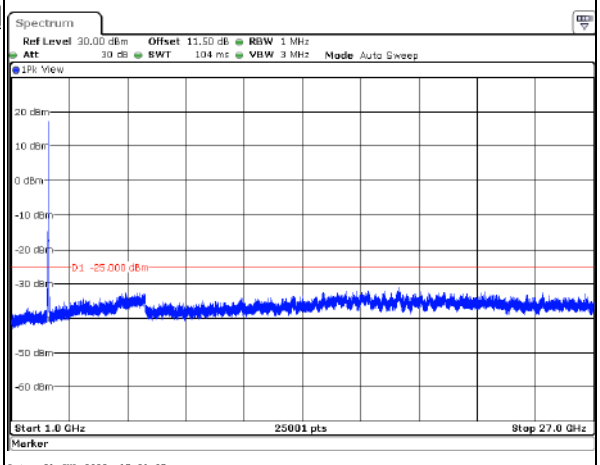
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

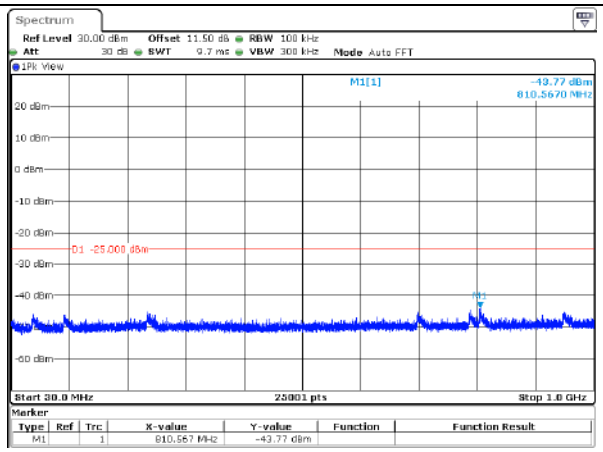
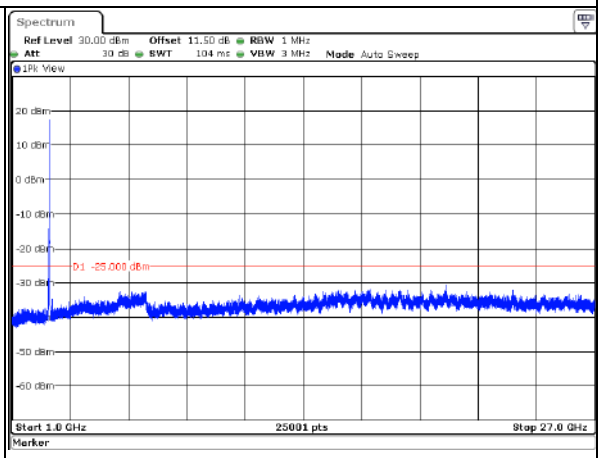
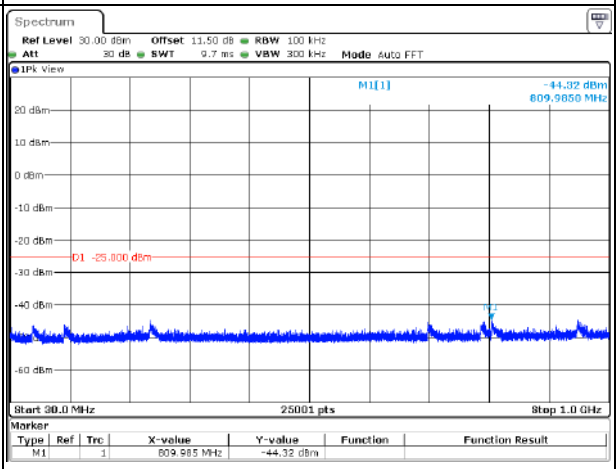
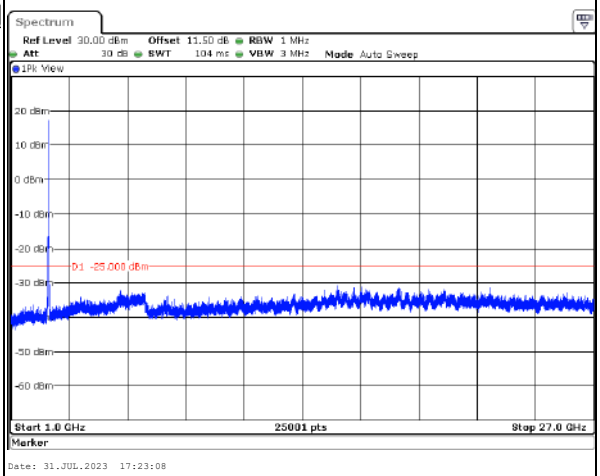
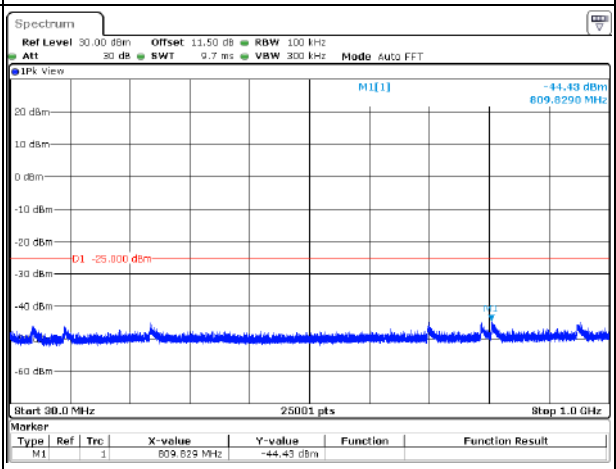
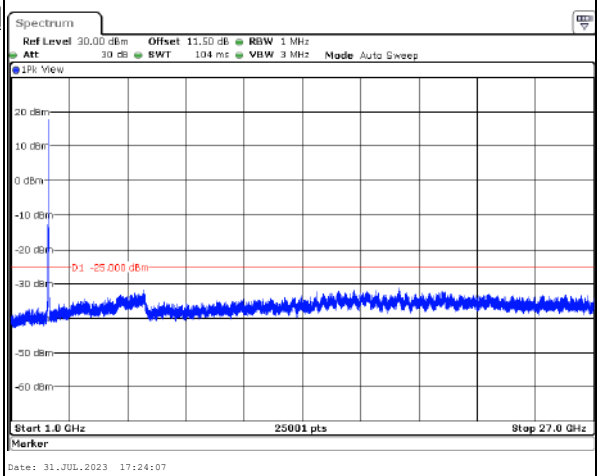
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

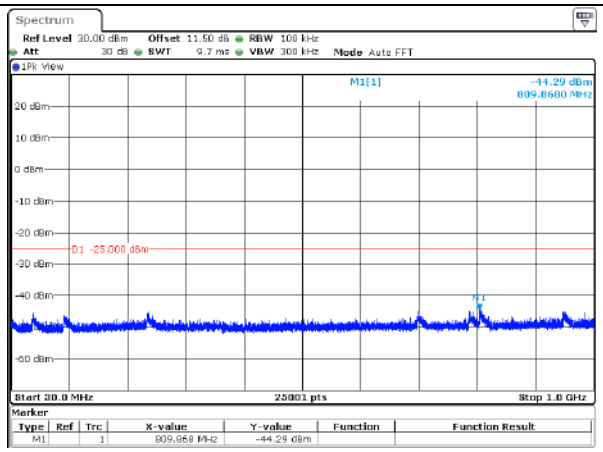
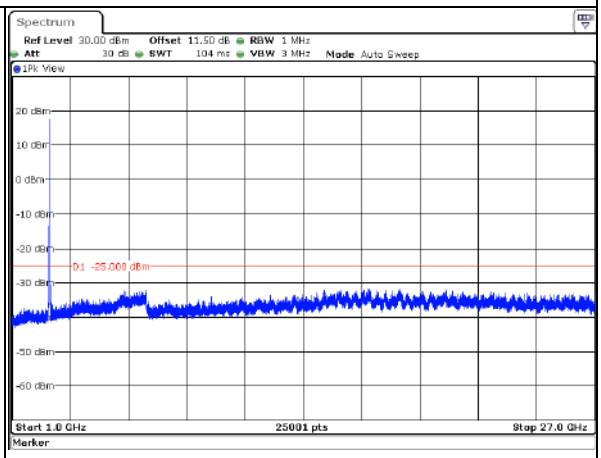
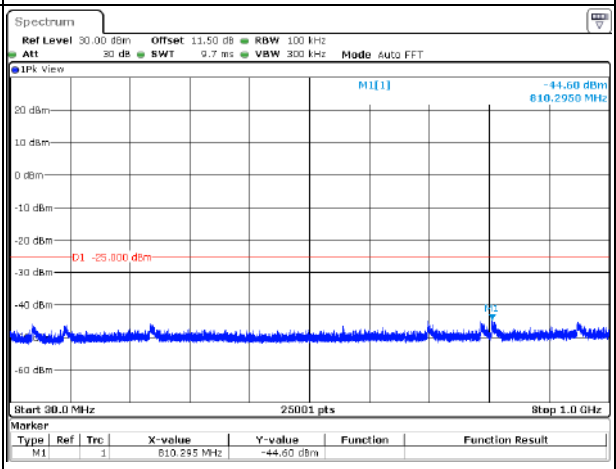
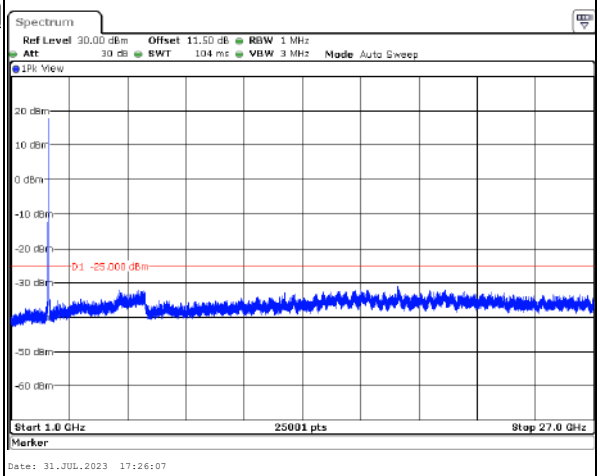
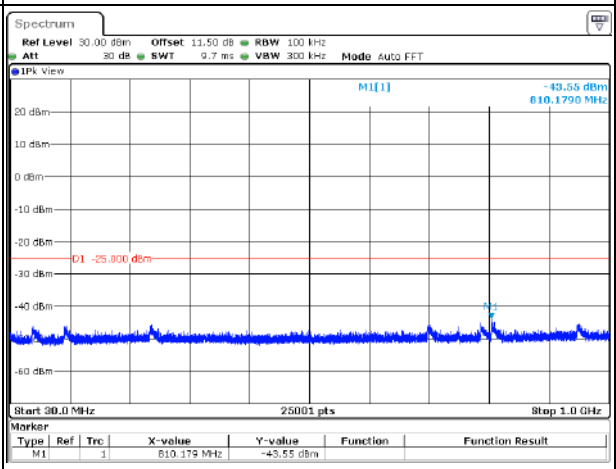
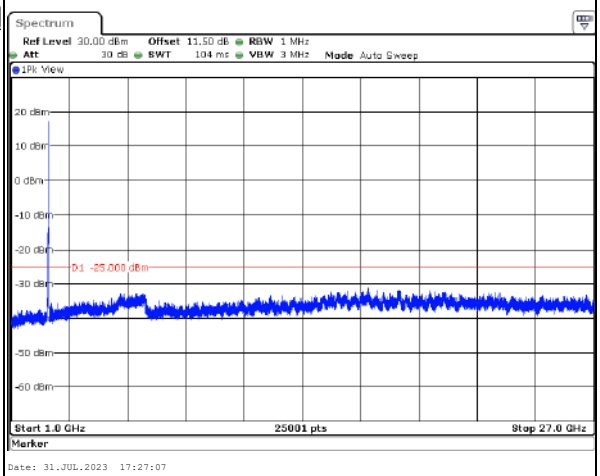
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

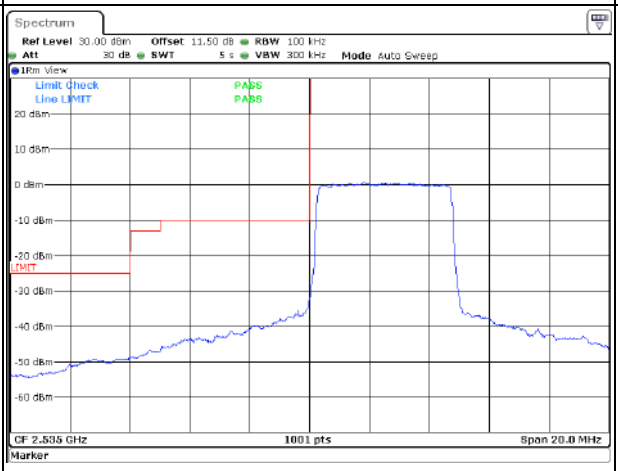
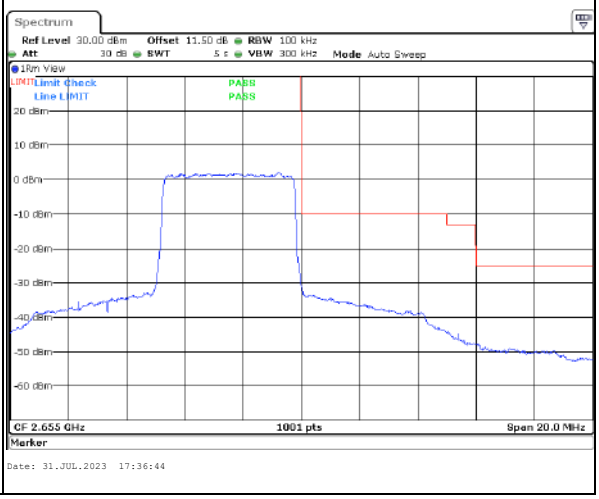
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

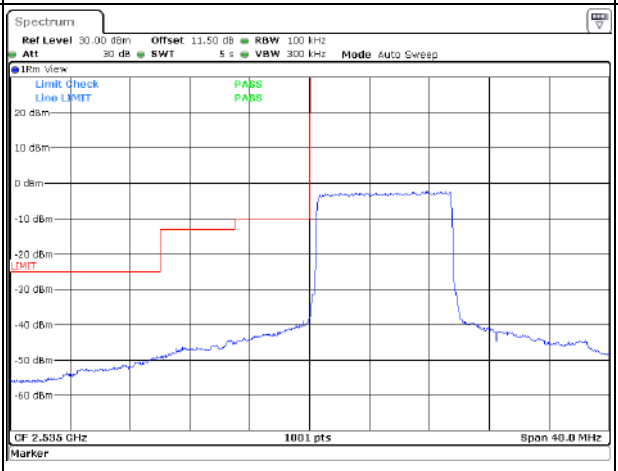
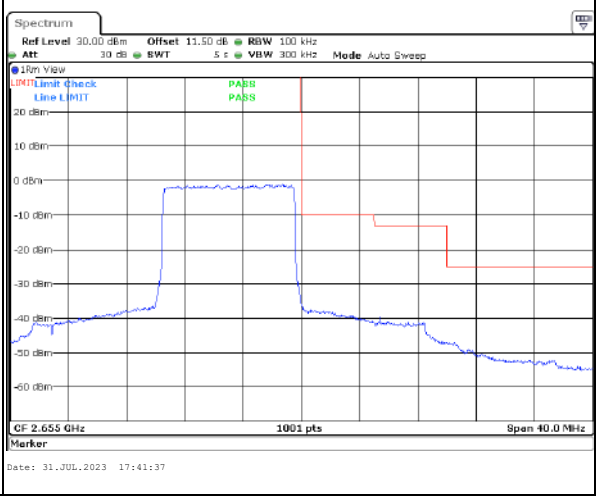
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

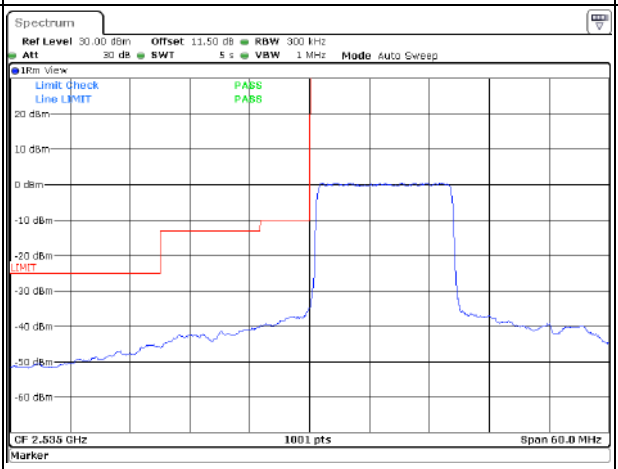
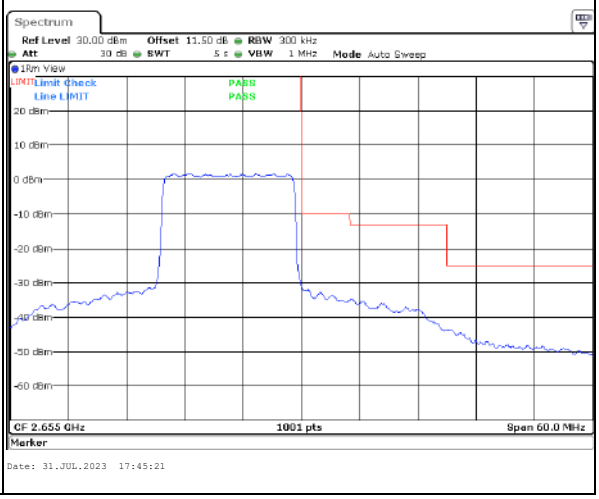
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

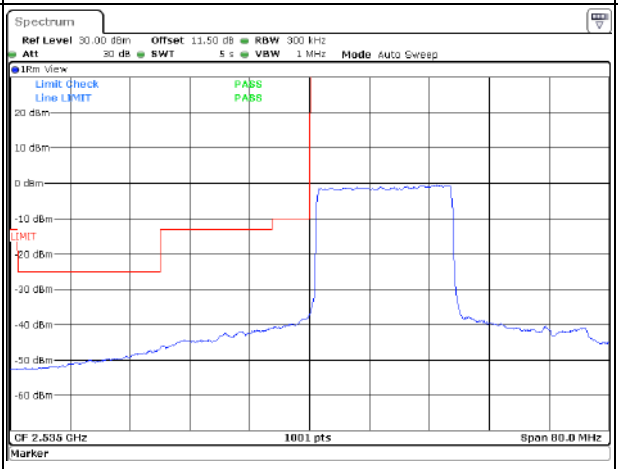
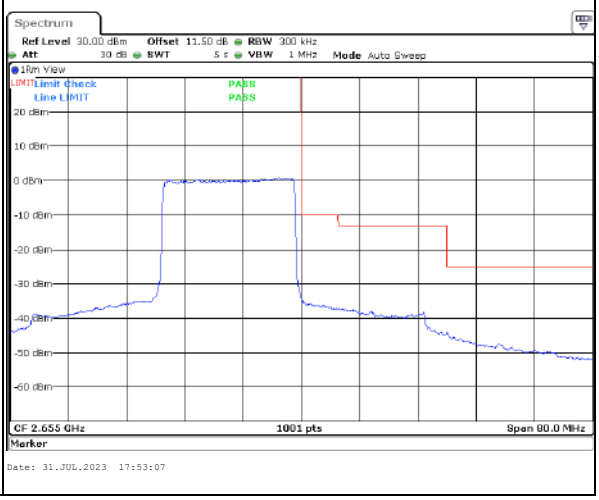
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

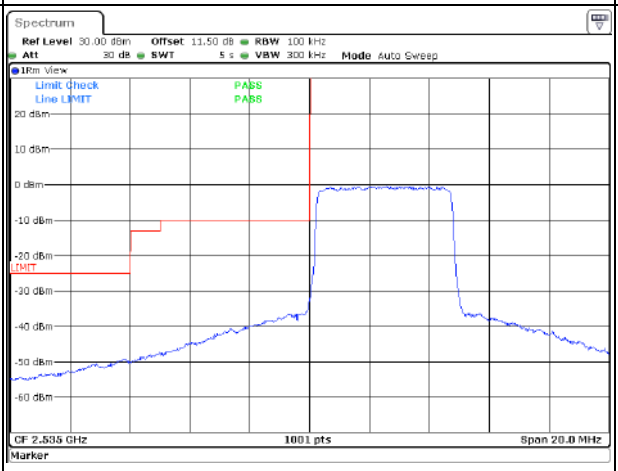
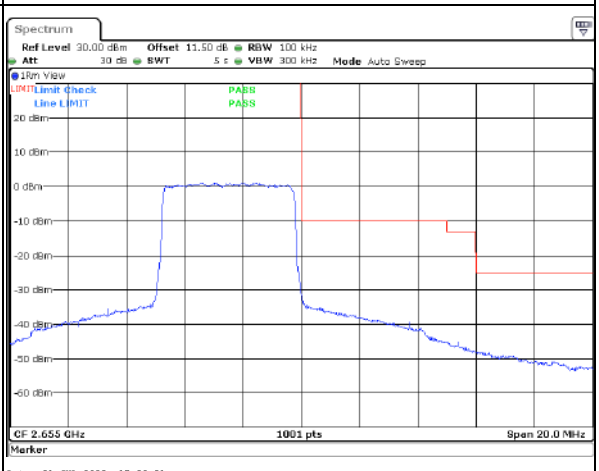
Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

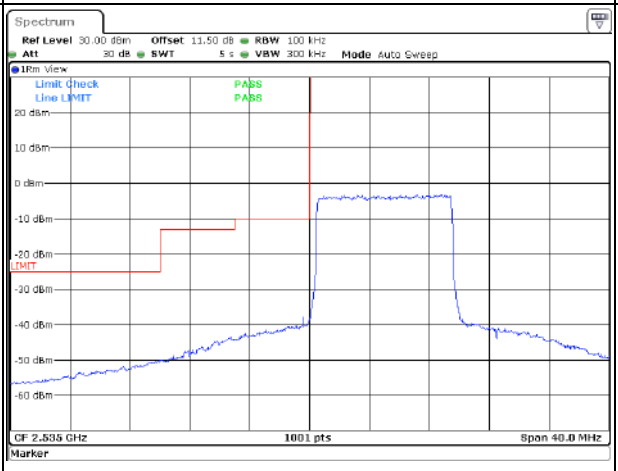
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		

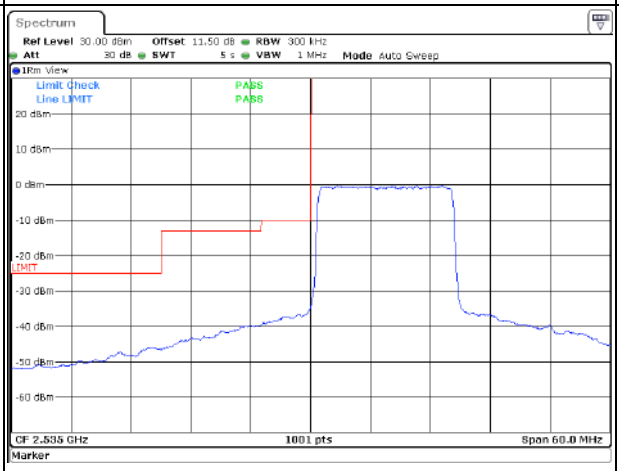
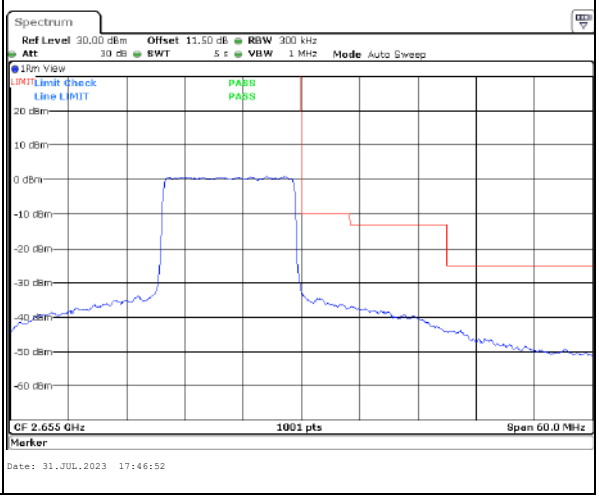
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 10MHz		

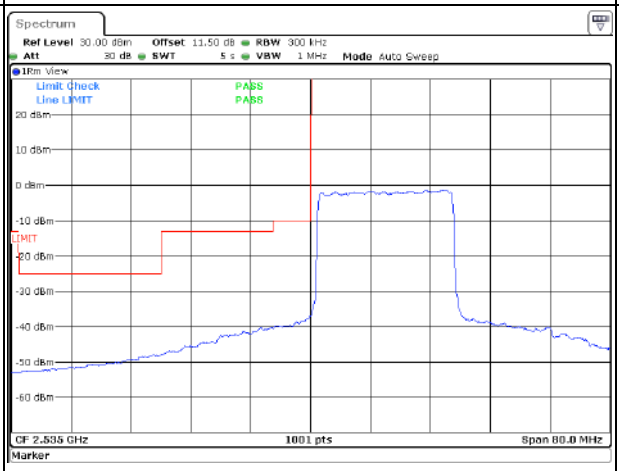
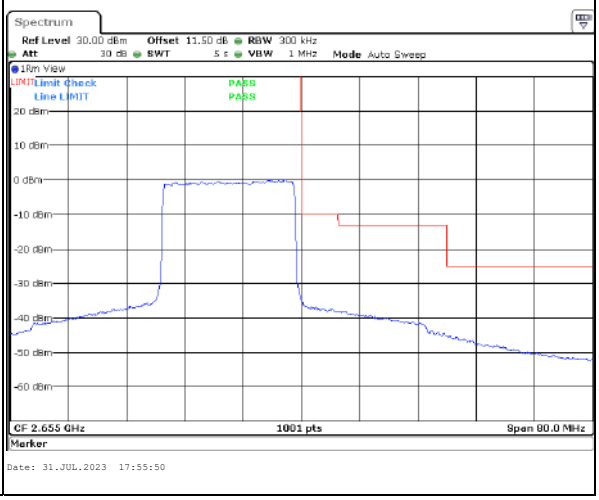
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 15MHz		

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

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

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

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

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

4.15 Antenna Port Test Data and Results for LTE Band 66

Serial Number:	28O3-4	Test Date:	2023/7/28-2023/9/27
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	25.6-26.9	Relative Humidity: (%)	61~64	ATM Pressure: (kPa)	100~101

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200120	2023/4/18	2024/4/17
R&S	Wideband Radio Communication Tester	CMW500	143458	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
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	1745	1779.3
3MHz	1711.5	1745	1778.5
5MHz	1712.5	1745	1777.5
10MHz	1715	1745	1775
15MHz	1717.5	1745	1772.5
20MHz	1720	1745	1770

Test Data:

FCC§2.1046;§ 27.50(d)(4)

RF Output Power:

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	22.38	22.76	23.06	24.66	33
	RB1#3	22.31	22.4	22.6		
	RB1#5	22.3	22.65	22.89		
	RB3#0	21.43	21.63	21.84		
	RB3#3	21.36	21.51	21.74		
	RB6#0	21.17	21.42	21.68		
1.4MHz 16QAM	RB1#0	21.23	21.49	21.79	23.39	33
	RB1#3	21	21.36	21.49		
	RB1#5	21	21.23	21.53		
	RB3#0	20.43	20.61	20.84		
	RB3#3	20.69	21.01	21.39		
	RB6#0	20.52	20.79	21.01		
3MHz QPSK	RB1#0	22.23	22.36	22.48	24.25	33
	RB1#8	22.21	22.33	22.65		
	RB1#14	22.37	22.41	22.53		
	RB6#0	21.29	21.59	21.93		
	RB6#9	21.17	21.19	21.56		
	RB15#0	21.31	21.6	21.85		
3MHz 16QAM	RB1#0	21.04	21.25	21.37	23.18	33
	RB1#8	21.18	21.58	21.58		
	RB1#14	21	21.03	21.14		
	RB6#0	20.5	20.75	20.78		
	RB6#9	20.72	20.73	20.97		
	RB15#0	20.65	20.94	21.09		
5MHz QPSK	RB1#0	22.11	22.39	22.54	24.57	33
	RB1#13	22.52	22.89	22.97		
	RB1#24	22.4	22.44	22.5		
	RB15#0	21.57	21.57	21.89		
	RB15#10	21.52	21.86	22.22		
	RB25#0	21.26	21.52	21.67		
5MHz 16QAM	RB1#0	21.28	21.54	21.56	23.36	33
	RB1#13	21.33	21.52	21.76		
	RB1#24	21.15	21.29	21.33		
	RB15#0	20.67	20.87	20.88		
	RB15#10	20.48	20.53	20.93		
	RB25#0	20.6	20.75	20.81		

10MHz QPSK	RB1#0	22.11	22.44	22.53	24.58	33
	RB1#25	22.26	22.6	22.98		
	RB1#49	22.34	22.73	22.83		
	RB25#0	21.54	21.73	22.11		
	RB25#25	21.44	21.46	21.73		
	RB50#0	21.14	21.52	21.88		
10MHz 16QAM	RB1#0	20.97	21.26	21.57	23.17	33
	RB1#25	20.94	20.98	21.35		
	RB1#49	21.14	21.22	21.36		
	RB25#0	20.58	20.66	21.02		
	RB25#25	20.53	20.66	21.01		
	RB50#0	20.56	20.61	20.96		
15MHz QPSK	RB1#0	22.49	22.77	23.11	24.71	30
	RB1#38	22.35	22.41	22.43		
	RB1#74	22.65	22.76	22.81		
	RB36#0	21.52	21.74	22.04		
	RB36#39	21.41	21.64	21.89		
	RB75#0	21.44	21.52	21.68		
15MHz 16QAM	RB1#0	21.23	21.26	21.58	23.18	30
	RB1#38	20.98	20.99	21		
	RB1#74	20.99	21.13	21.47		
	RB36#0	20.53	20.75	21.01		
	RB36#39	20.54	20.73	20.93		
	RB75#0	20.48	20.54	20.93		
20MHz QPSK	RB1#0	22.48	22.59	22.62	24.57	30
	RB1#50	22.2	22.58	22.6		
	RB1#99	22.42	22.79	22.97		
	RB50#0	21.47	21.86	22.21		
	RB50#50	21.44	21.51	21.54		
	RB100#0	21.39	21.74	22.08		
20MHz 16QAM	RB1#0	20.94	21.01	21.26	23.12	30
	RB1#50	21.21	21.45	21.49		
	RB1#99	21.12	21.52	21.52		
	RB50#0	20.56	20.94	21.14		
	RB50#50	20.62	20.98	21.02		
	RB100#0	20.51	20.69	21.07		
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	4.93	5.13	4.38	13
	RB100#0	4.17	4.17	4.06	13
20MHz 16QAM	RB1#0	6.12	6.2	5.59	13
	RB100#0	5.74	5.74	5.65	13
				Result:	**Pass**

FCC §2.1049, §27.53:Occupied Bandwidth						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
1.4MHz QPSK	1.102	1.096	1.102	1.254	1.254	1.260
1.4MHz 16QAM	1.102	1.102	1.090	1.254	1.266	1.248
3MHz QPSK	2.695	2.695	2.695	3.012	3.012	2.988
3MHz 16QAM	2.683	2.683	2.695	3.012	3.024	3.012
5MHz QPSK	4.511	4.511	4.511	5.020	5.000	5.000
5MHz 16QAM	4.531	4.511	4.511	5.020	5.020	5.000
10MHz QPSK	8.942	8.942	8.942	9.760	9.800	9.800
10MHz 16QAM	8.982	8.942	8.942	9.760	9.840	9.760
15MHz QPSK	13.473	13.533	13.533	14.940	15.000	15.000
15MHz 16QAM	13.533	13.533	13.533	15.000	15.000	15.060
20MHz QPSK	17.964	18.044	17.964	19.600	19.760	19.600
20MHz 16QAM	18.044	17.964	18.044	19.760	19.760	19.760
Note: The test plots please refer to the Plots of Occupied Bandwidth						

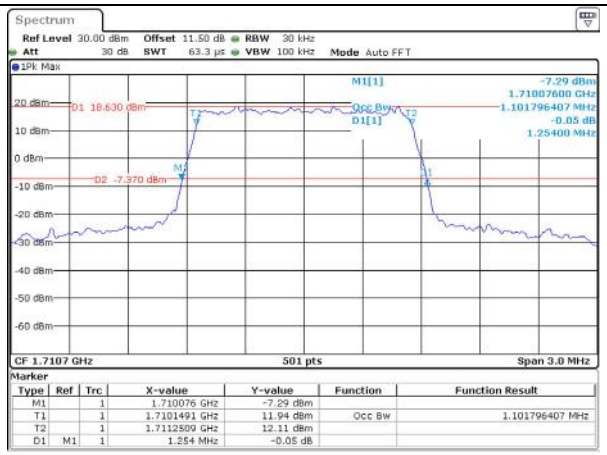
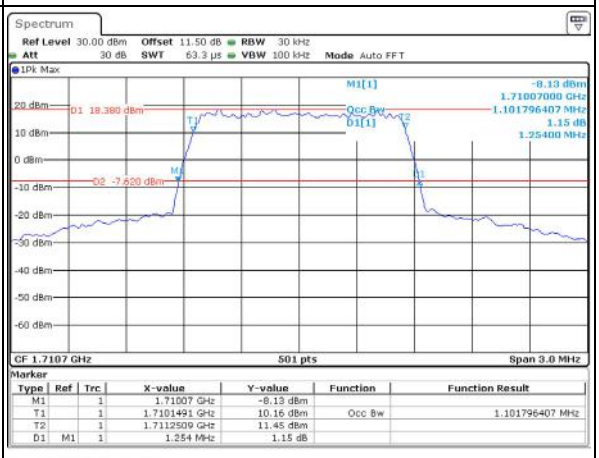
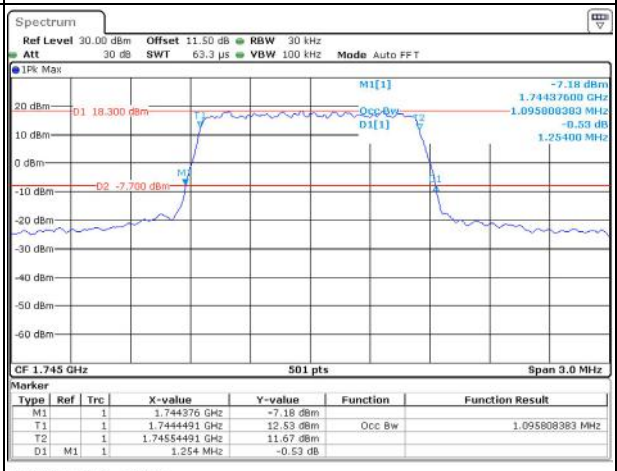
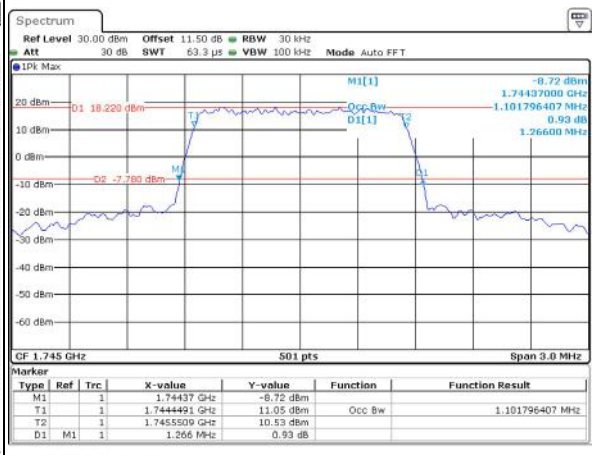
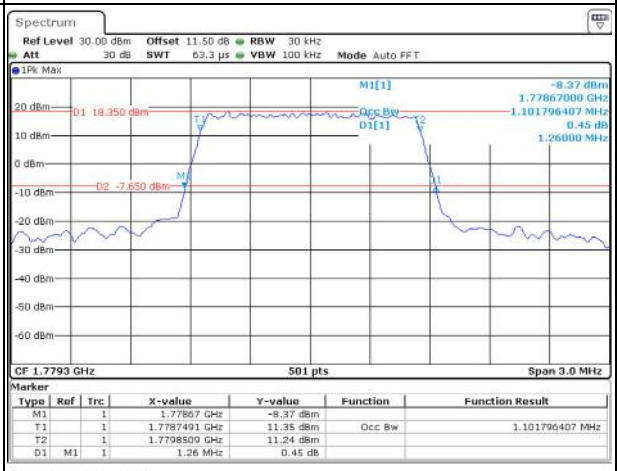
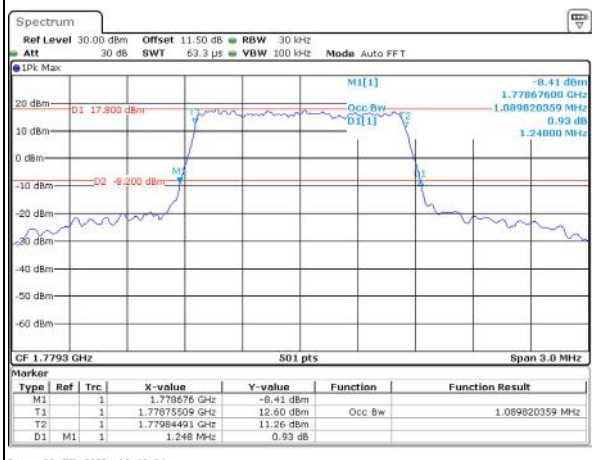
FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

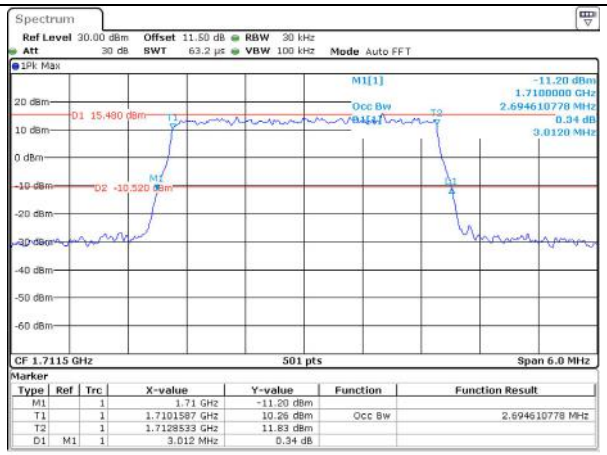
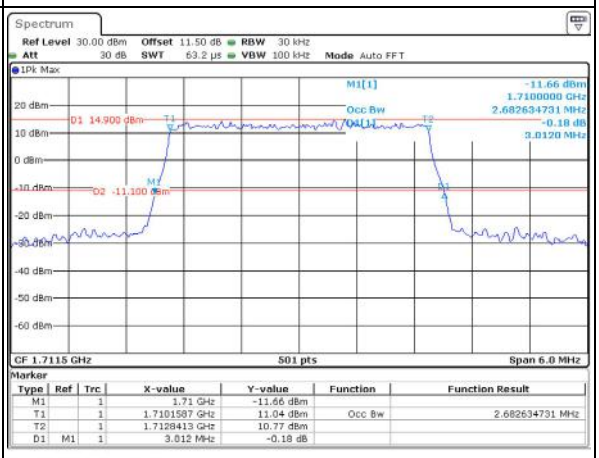
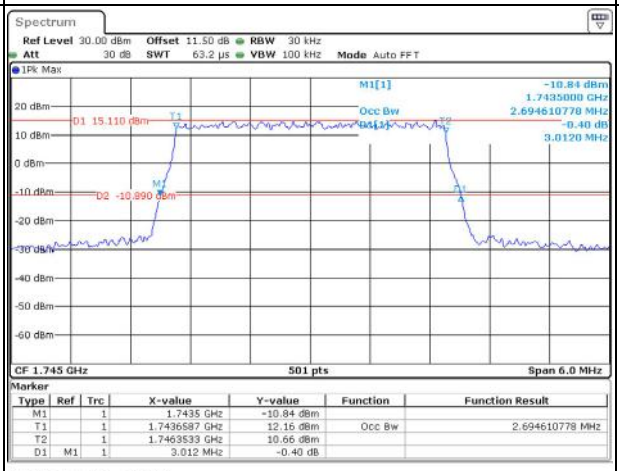
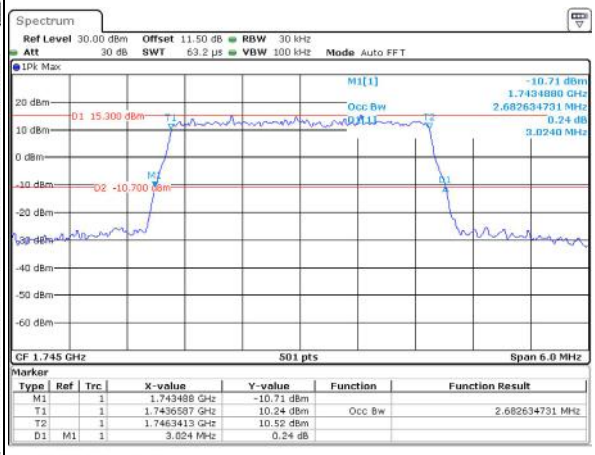
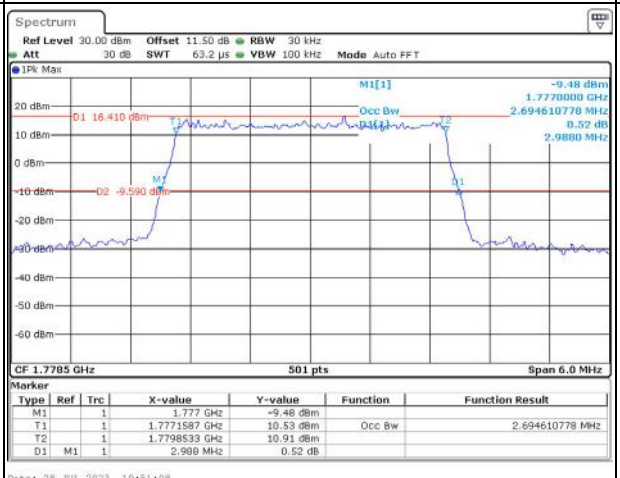
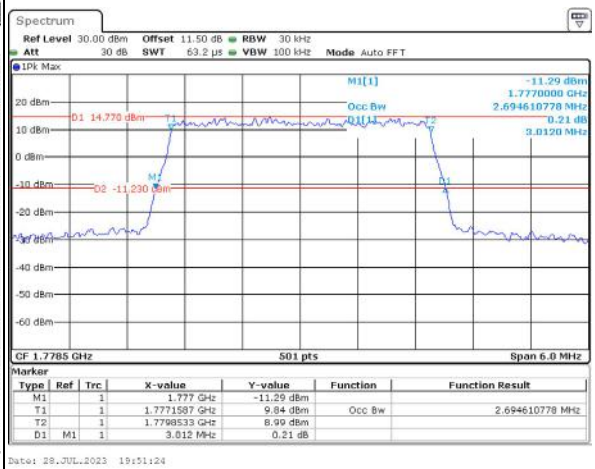
FCC §2.1051, § 27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

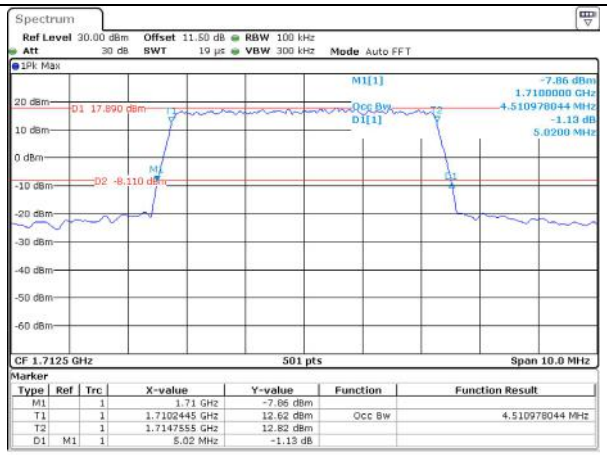
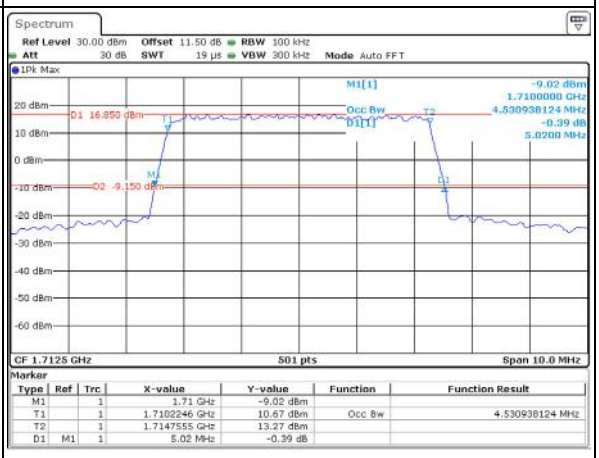
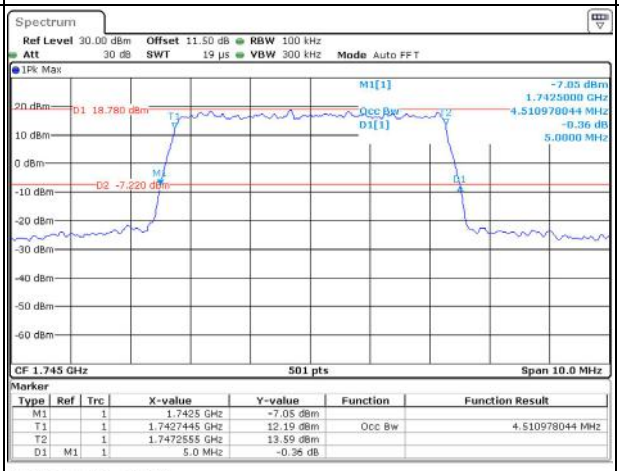
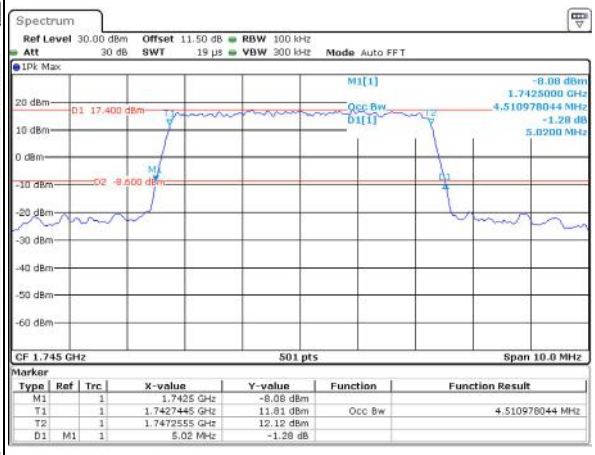
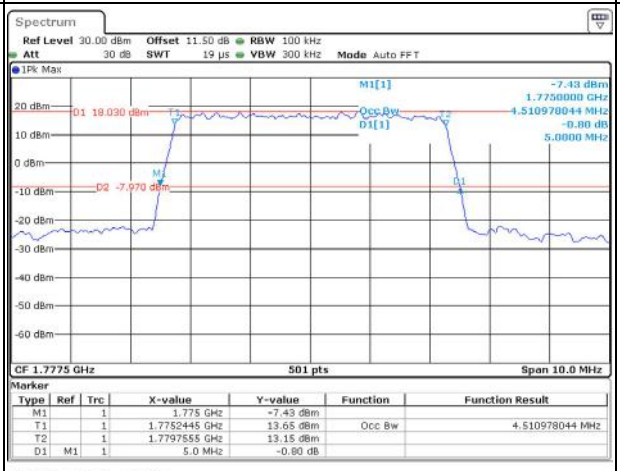
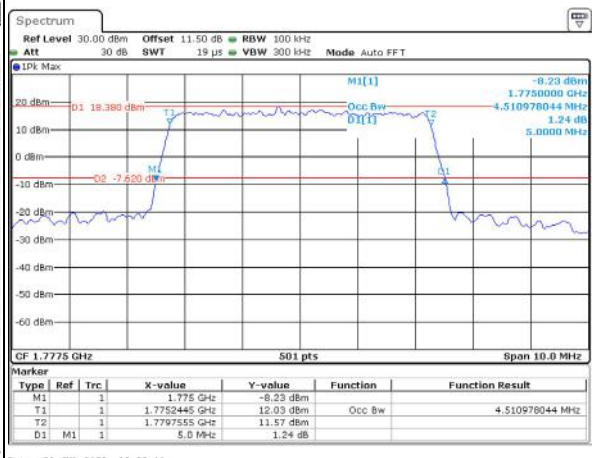
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1710.025	1710.00	1779.9734	1780
	-20	3.8	1710.0234	1710.00	1779.9722	1780
	-10	3.8	1710.0229	1710.00	1779.9842	1780
	0	3.8	1710.0234	1710.00	1779.9765	1780
	10	3.8	1710.0244	1710.00	1779.9747	1780
	20	3.8	1710.0222	1710.00	1779.975	1780
	30	3.8	1710.0263	1710.00	1779.974	1780
	40	3.8	1710.0261	1710.00	1779.9748	1780
	50	3.8	1710.0235	1710.00	1779.9828	1780
Frequency Stability vs. Voltage	20	3.4	1710.0221	1710.00	1779.9728	1780
	20	4.35	1710.0234	1710.00	1779.9765	1780
					Result:	**Pass**

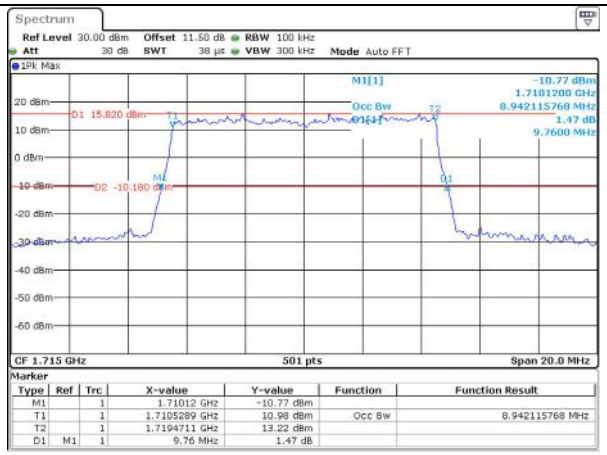
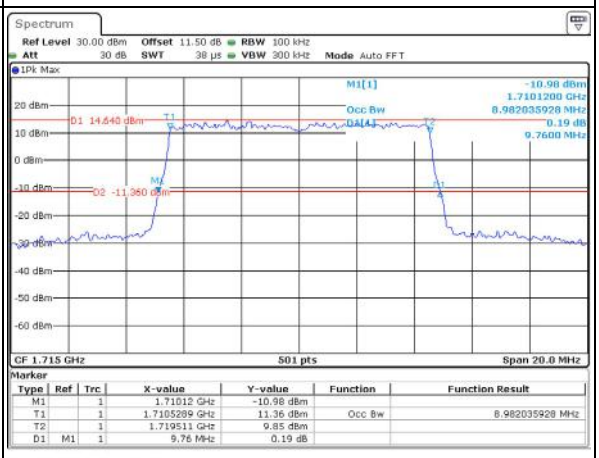
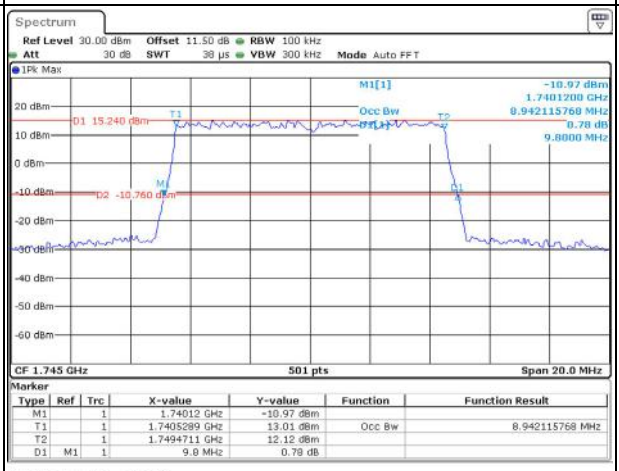
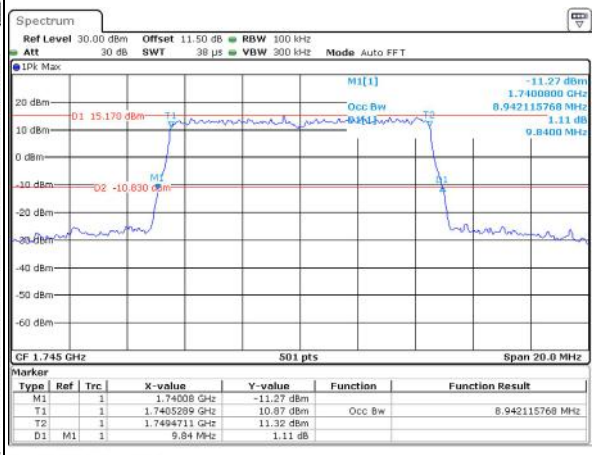
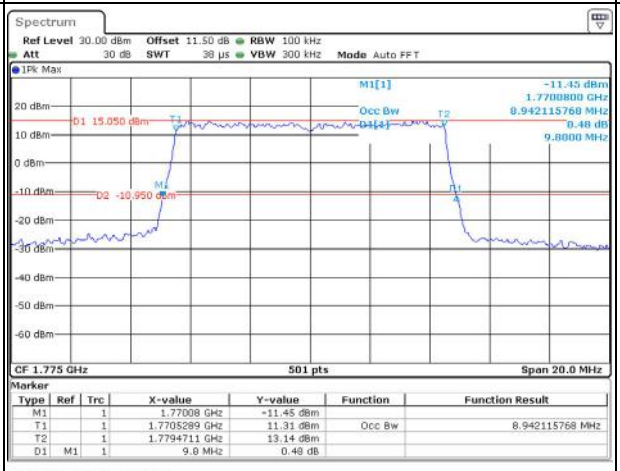
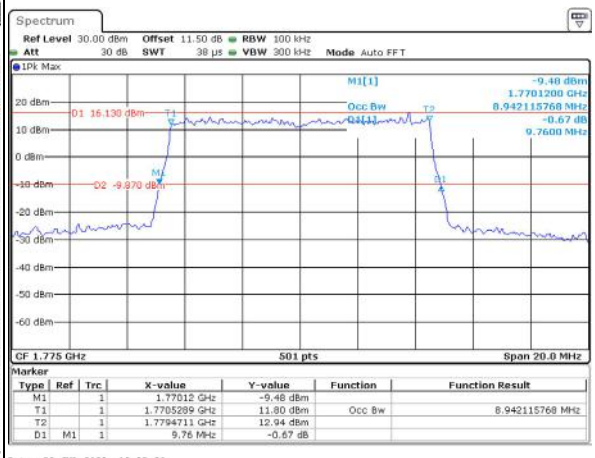
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1710.0239	1710.00	1779.9733	1780
	-20	3.8	1710.023	1710.00	1779.973	1780
	-10	3.8	1710.0244	1710.00	1779.9831	1780
	0	3.8	1710.0234	1710.00	1779.9747	1780
	10	3.8	1710.0245	1710.00	1779.9745	1780
	20	3.8	1710.0219	1710.00	1779.9757	1780
	30	3.8	1710.0259	1710.00	1779.9743	1780
	40	3.8	1710.0261	1710.00	1779.9747	1780
	50	3.8	1710.0233	1710.00	1779.9835	1780
Frequency Stability vs. Voltage	20	3.4	1710.0226	1710.00	1779.9727	1780
	20	4.35	1710.0234	1710.00	1779.9774	1780
					Result:	**Pass**

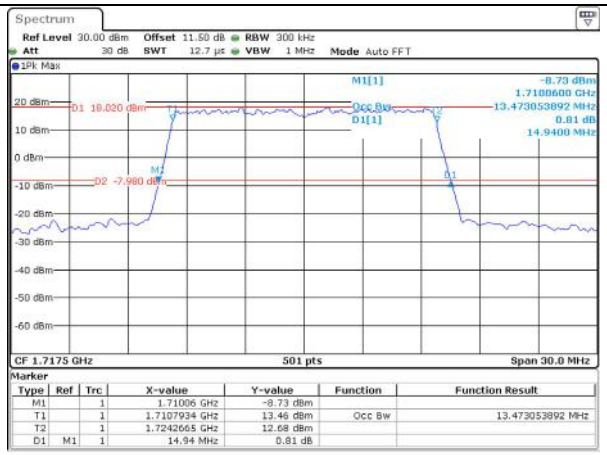
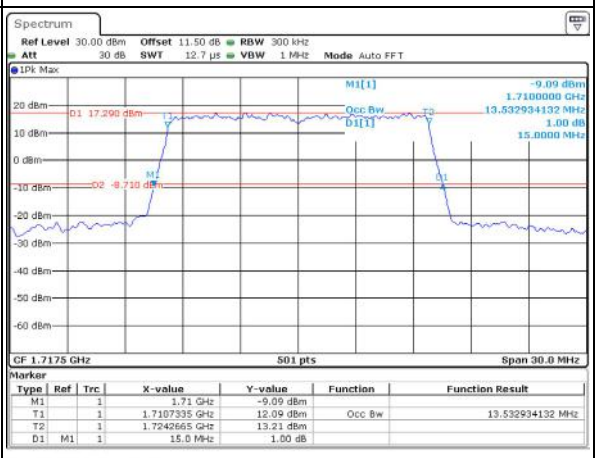
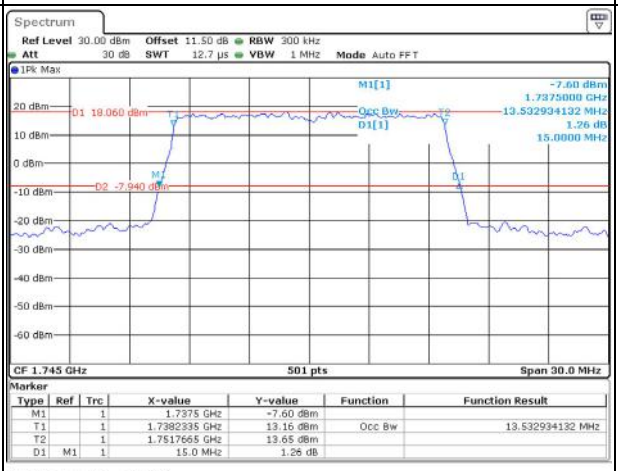
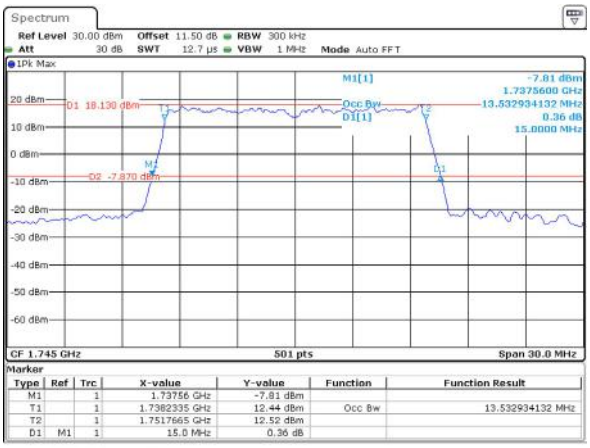
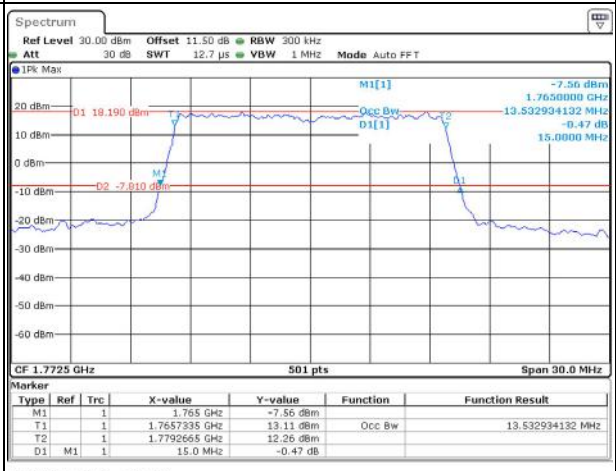
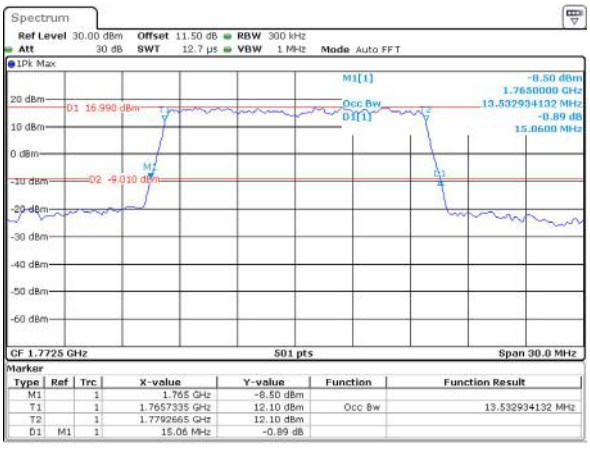
Test Plots (Note: The 11.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

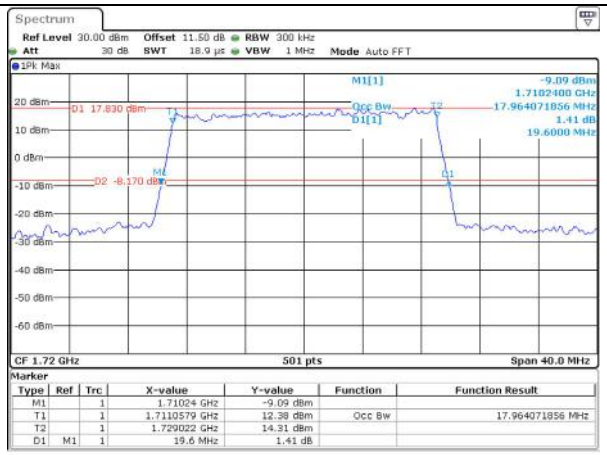
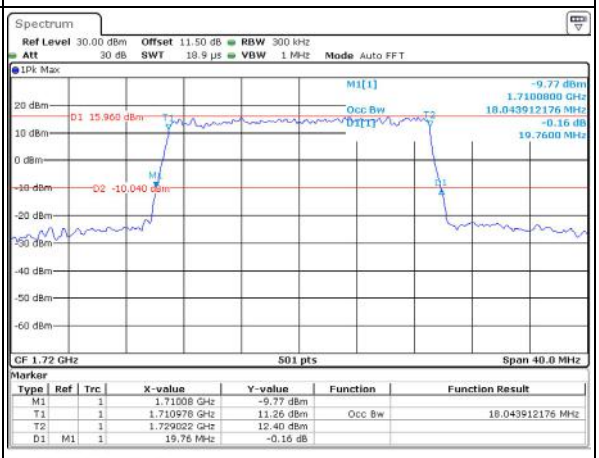
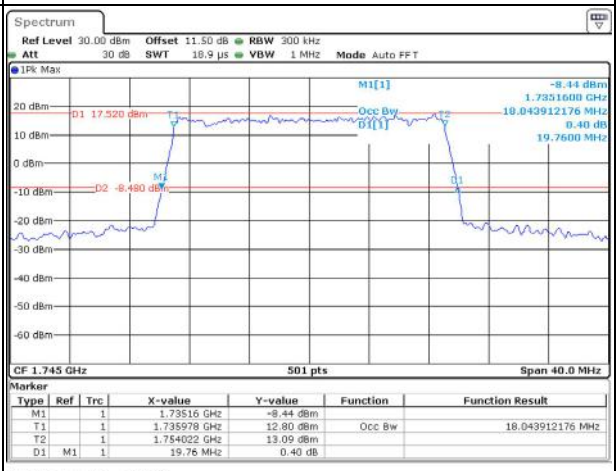
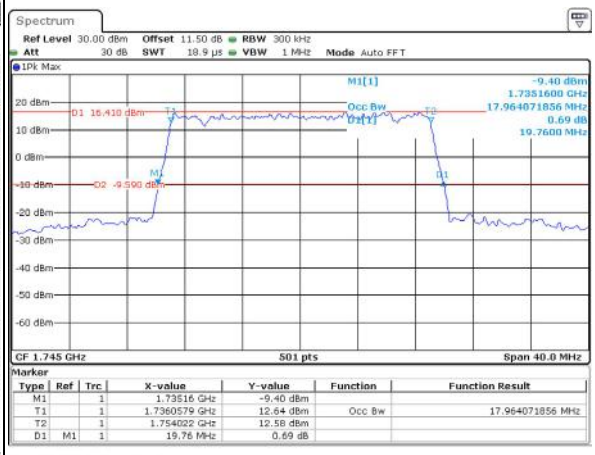
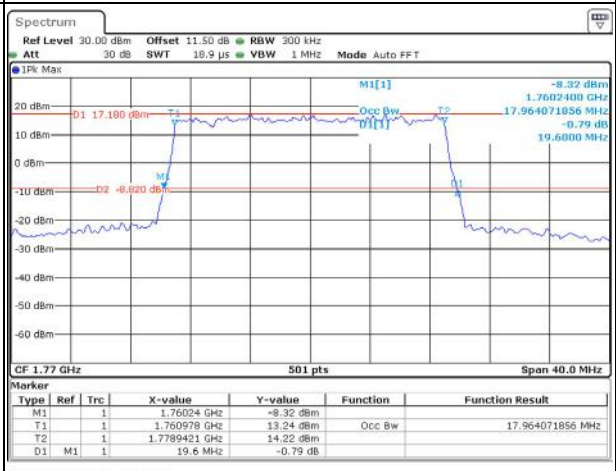
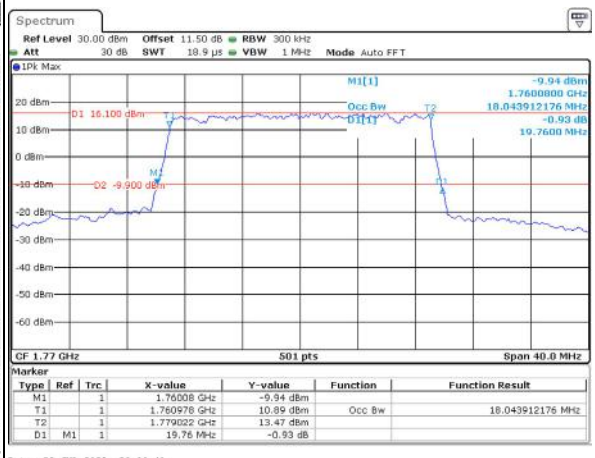
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

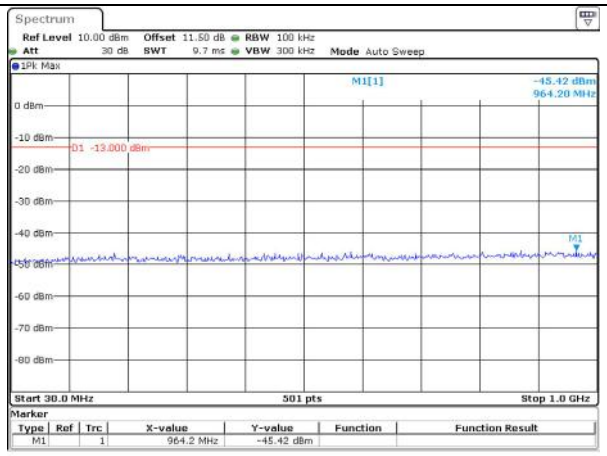
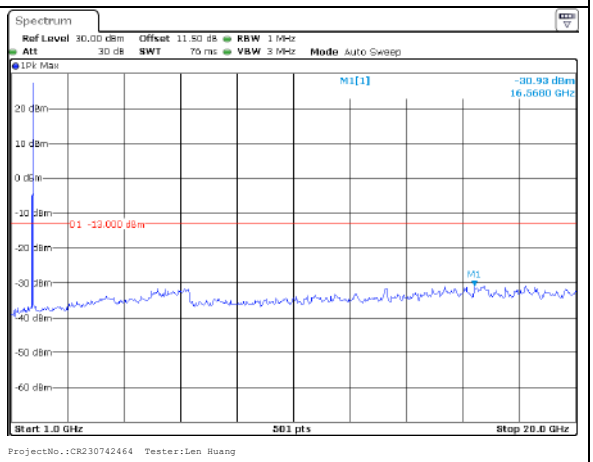
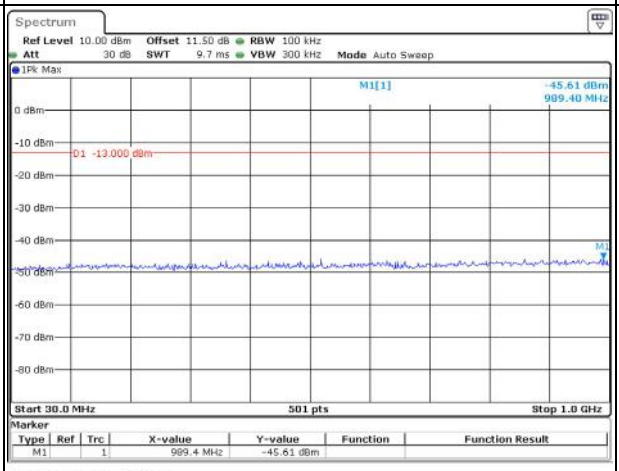
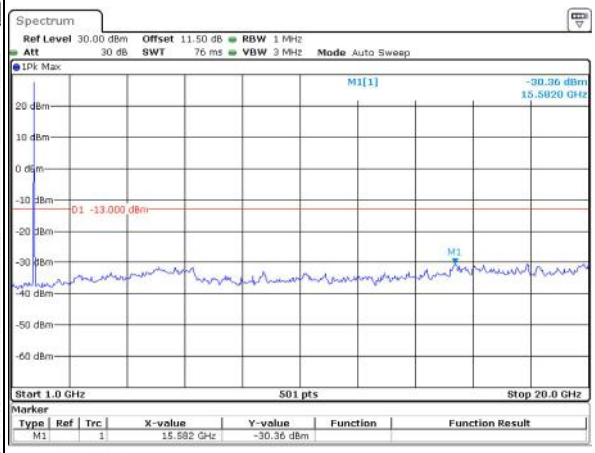
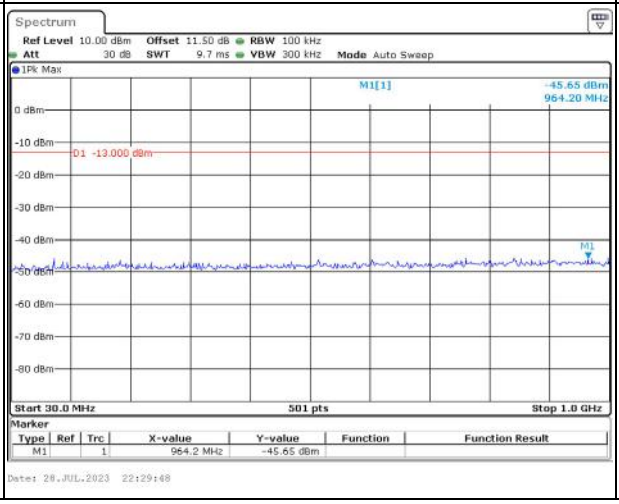
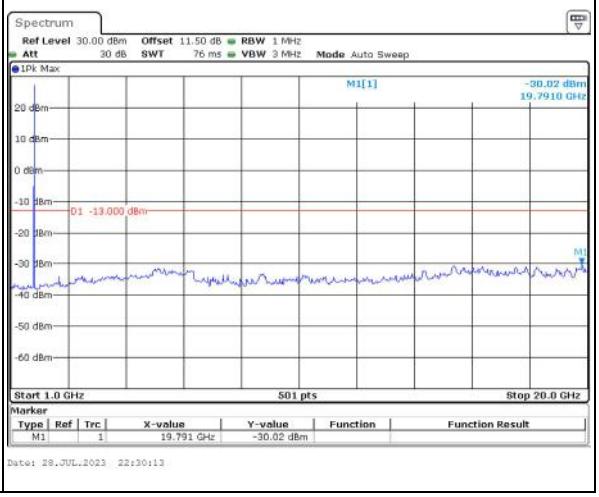
Occupied Bandwidth		
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

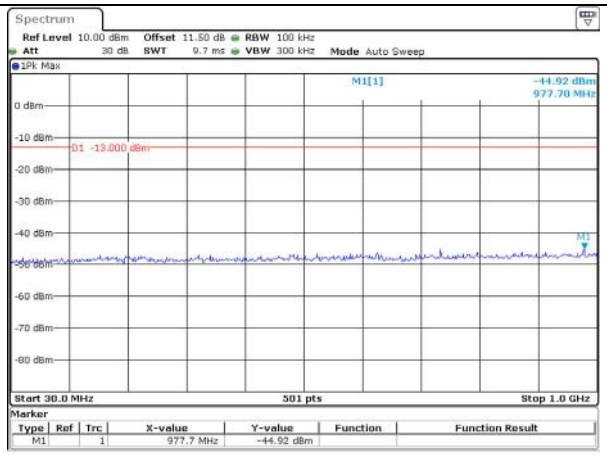
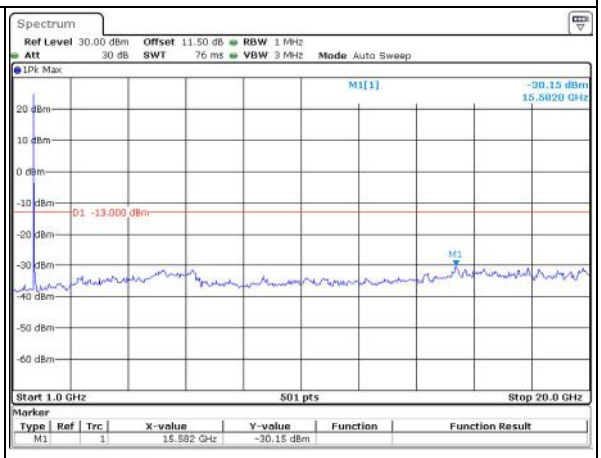
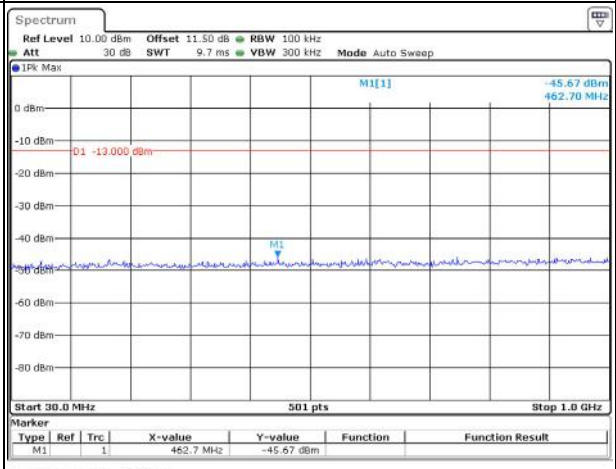
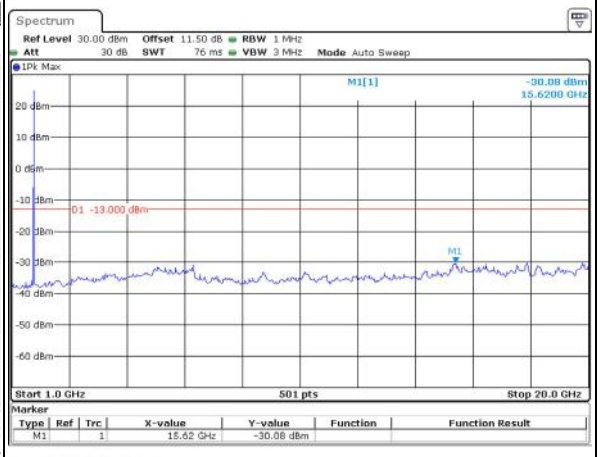
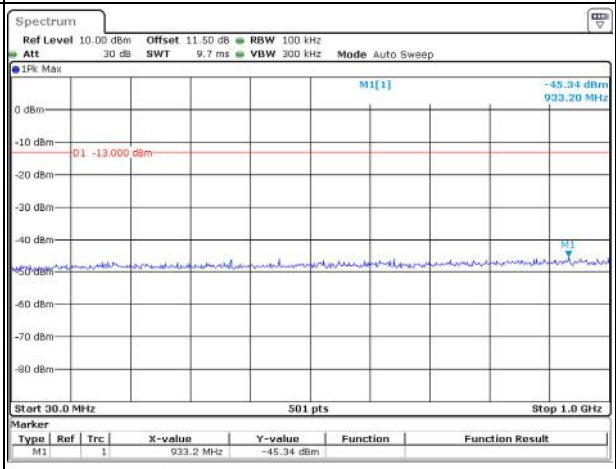
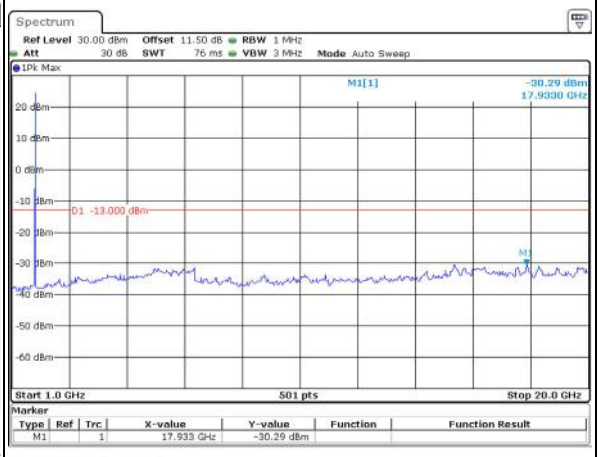
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

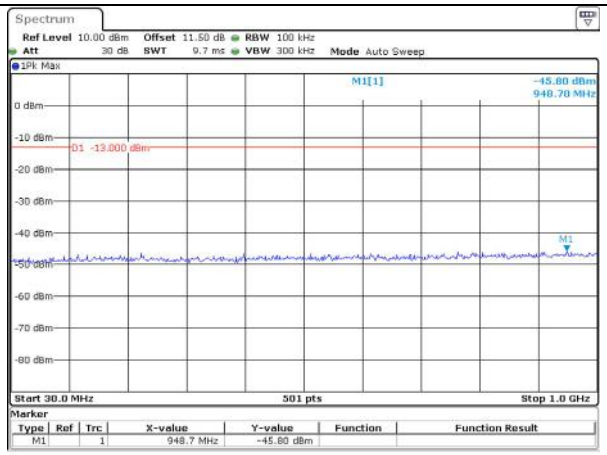
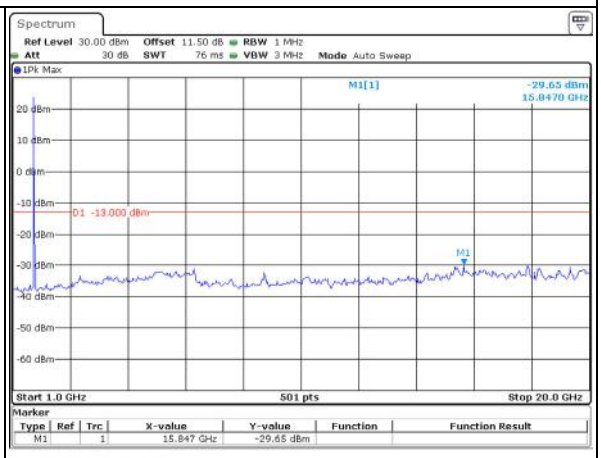
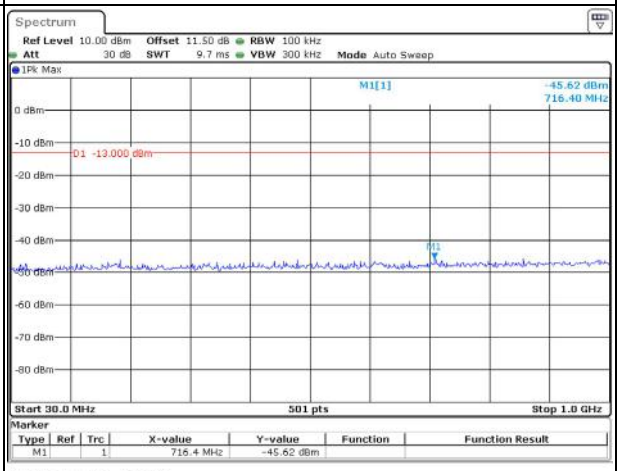
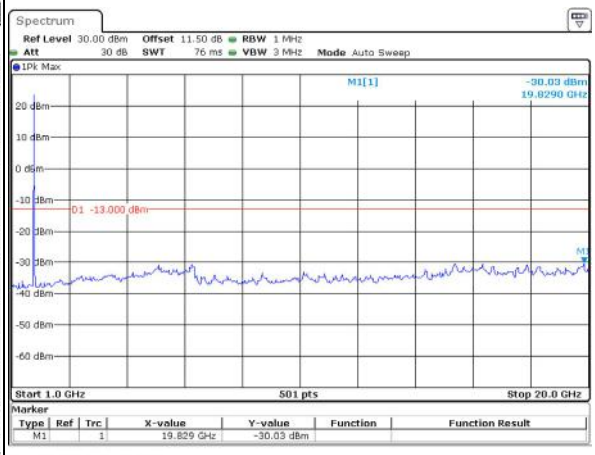
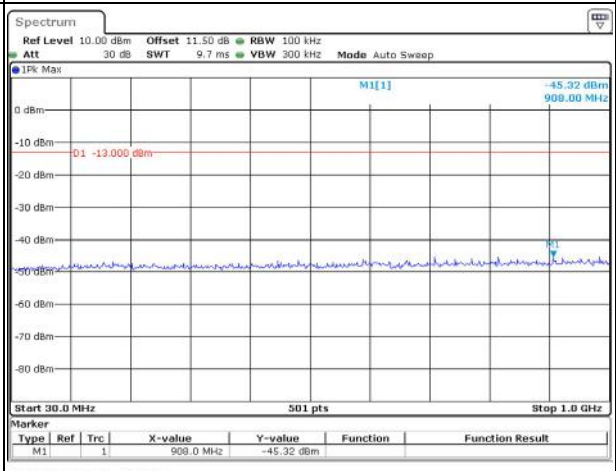
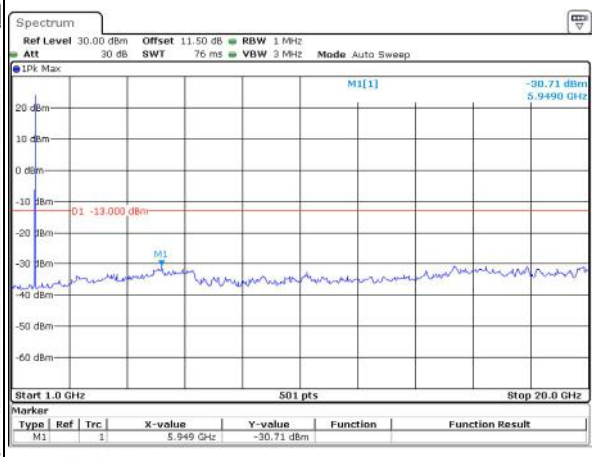
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

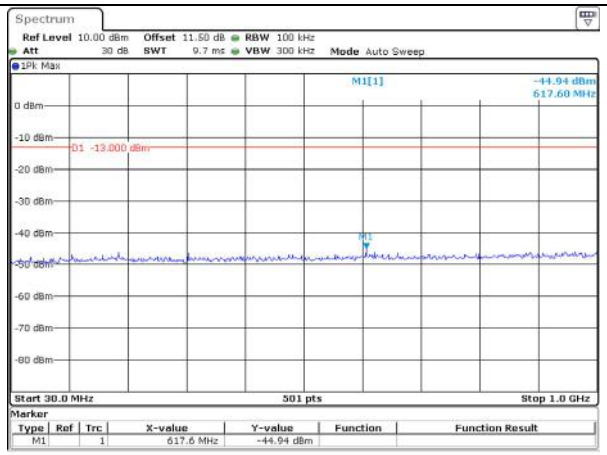
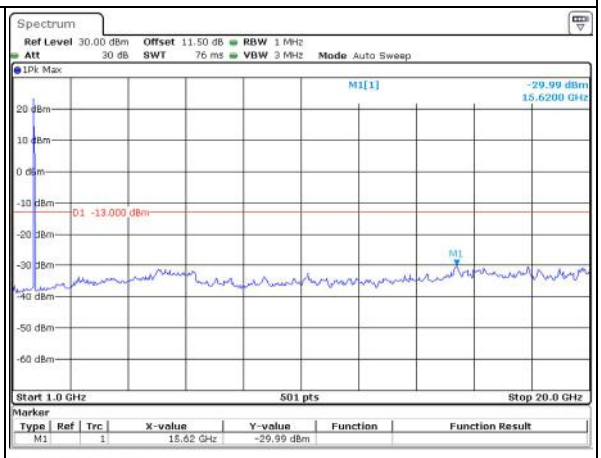
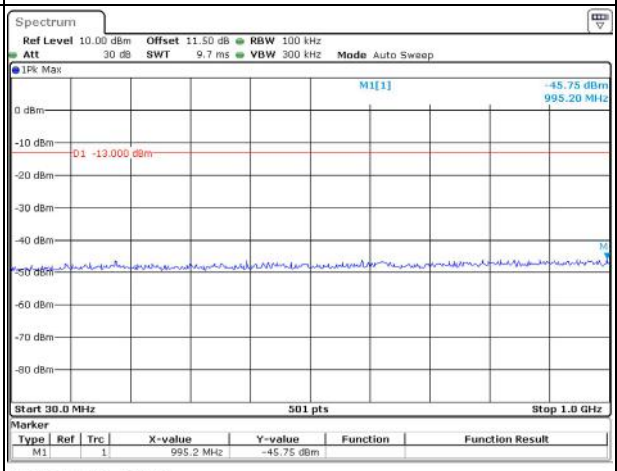
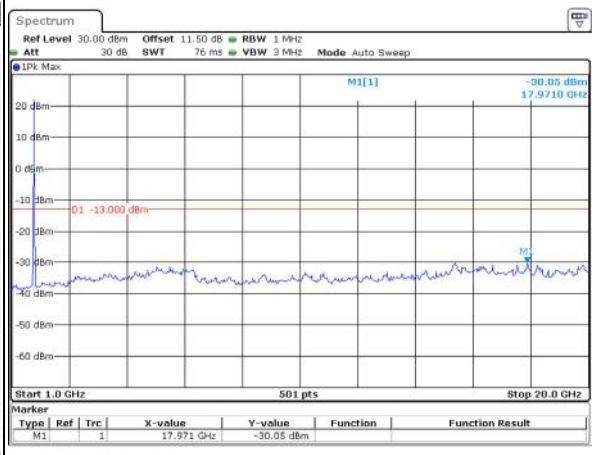
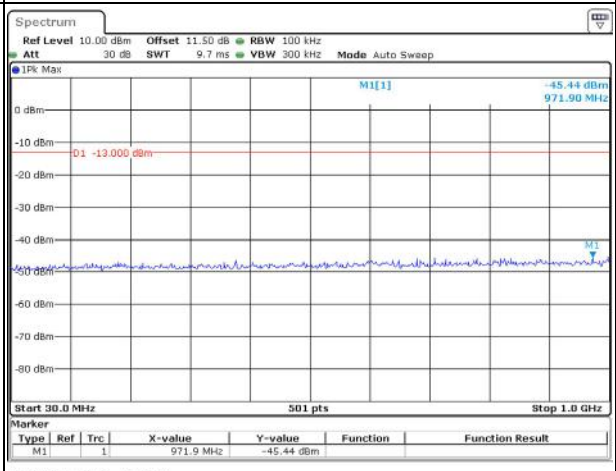
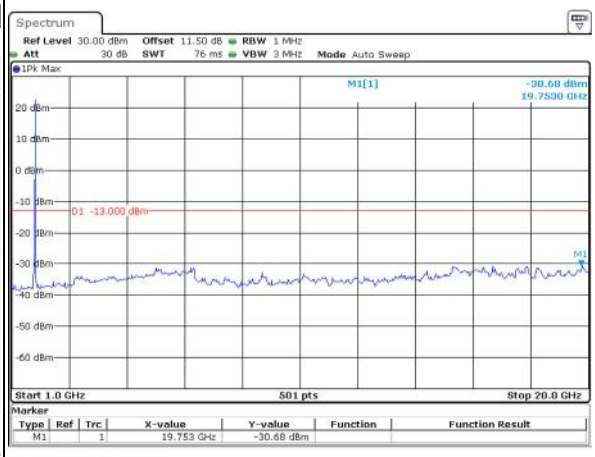
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

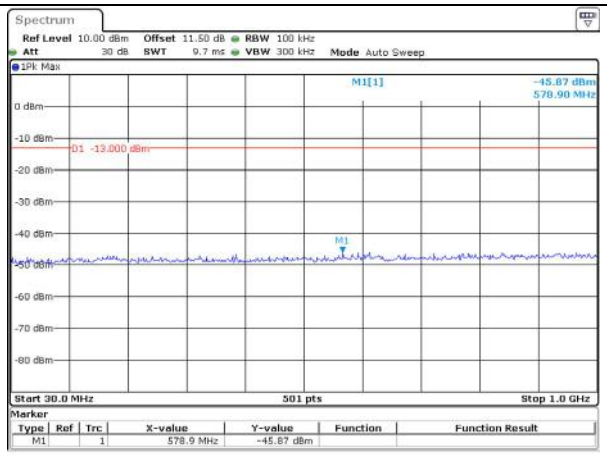
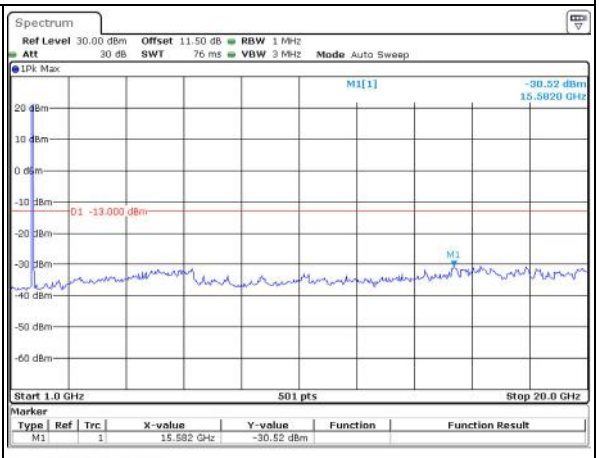
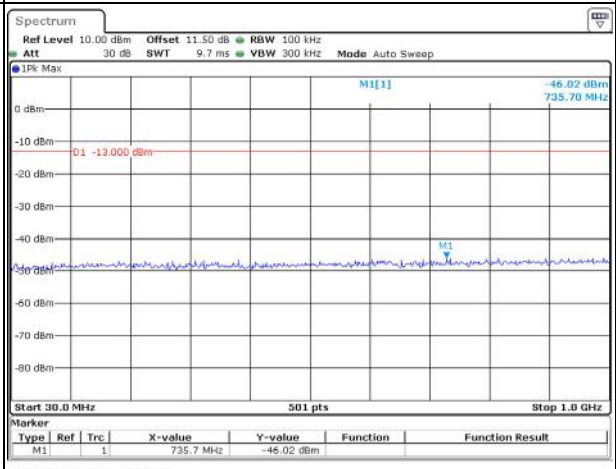
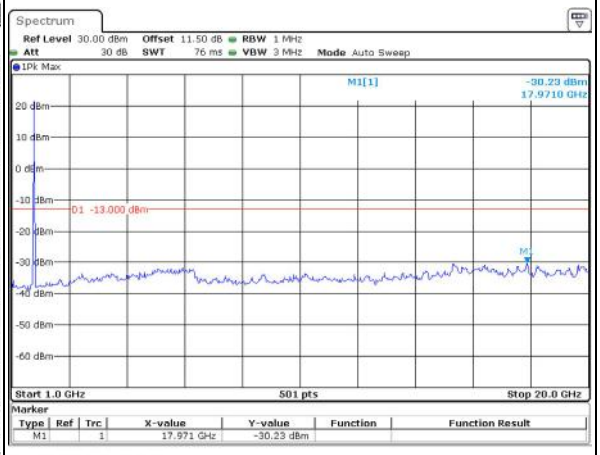
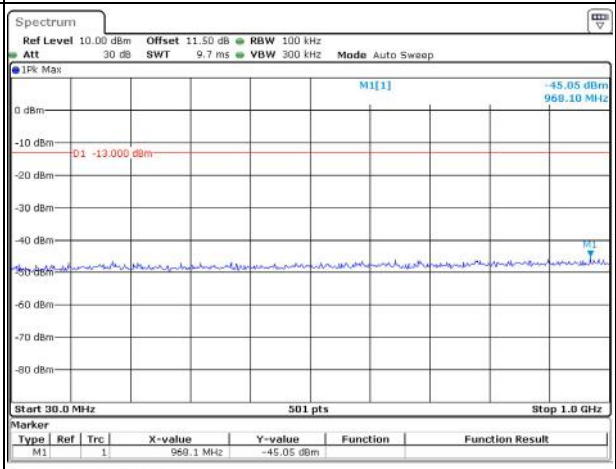
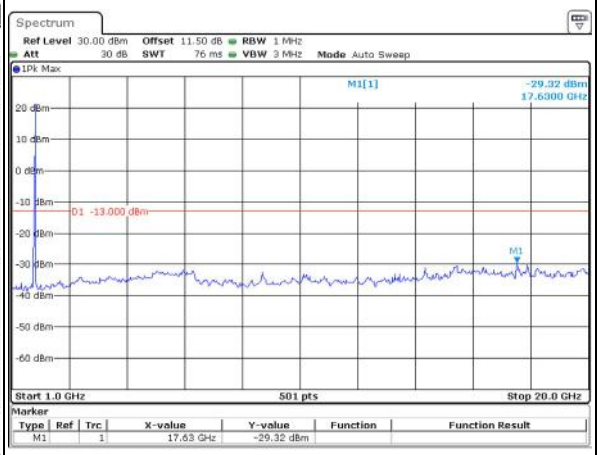
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

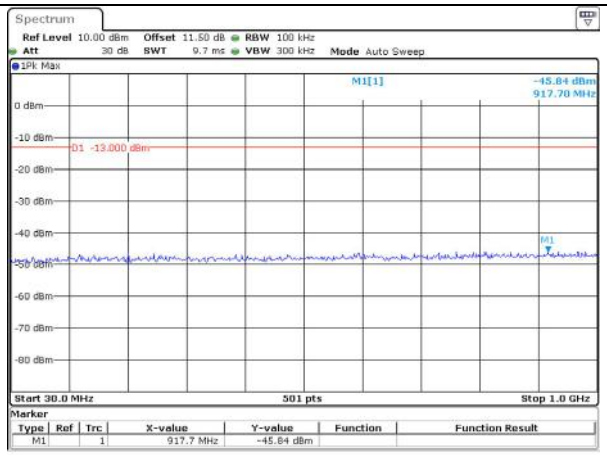
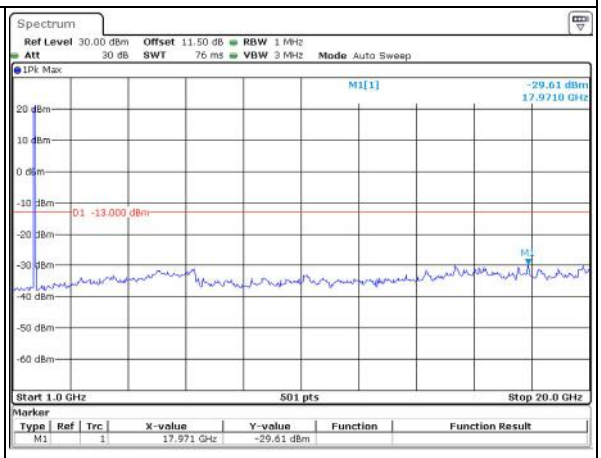
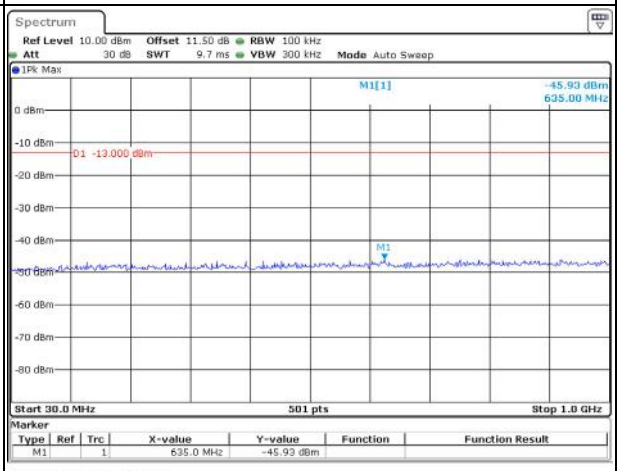
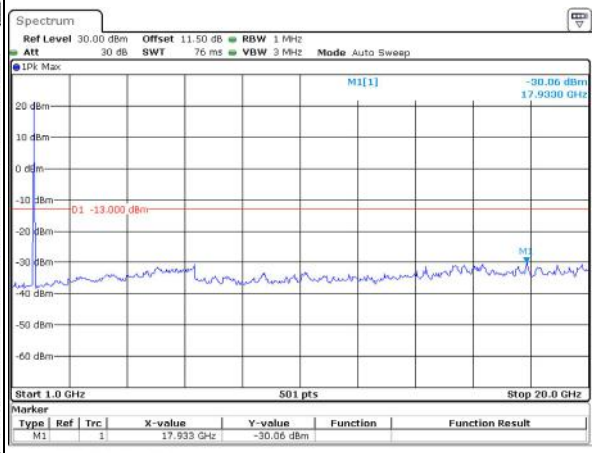
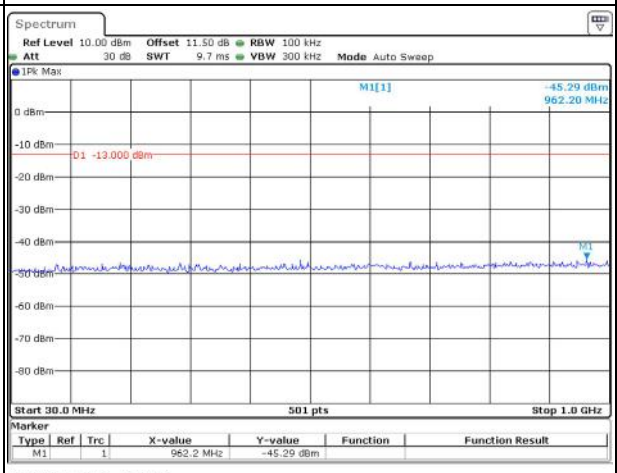
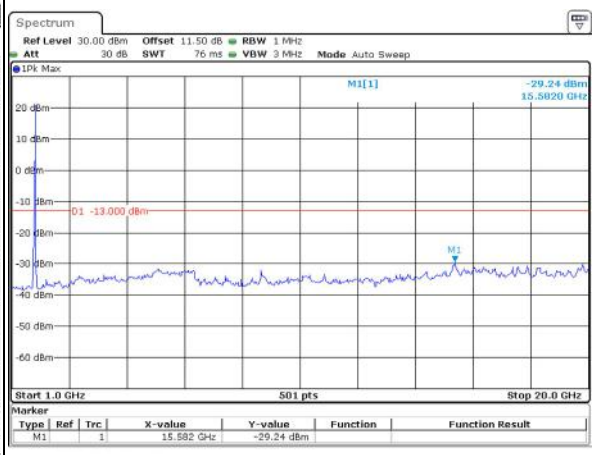
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

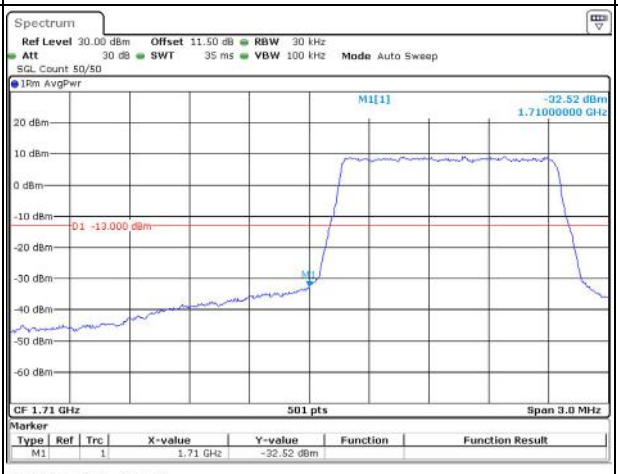
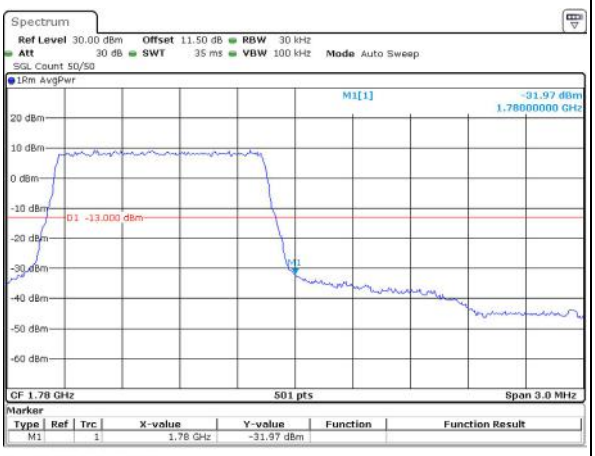
Spurious Emissions at Antenna Terminal		
Channel	**3MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

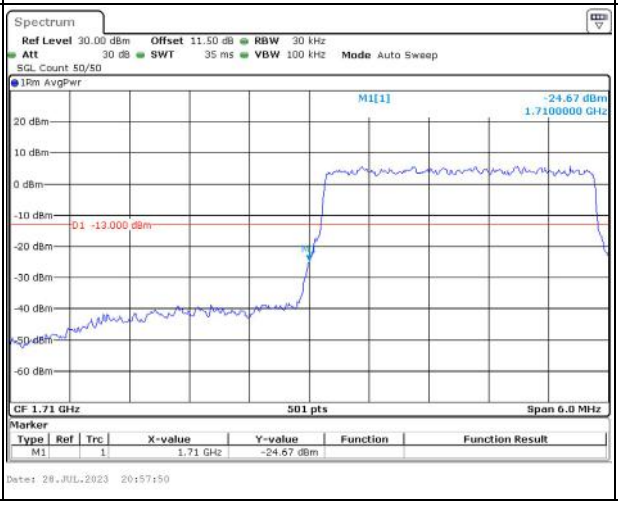
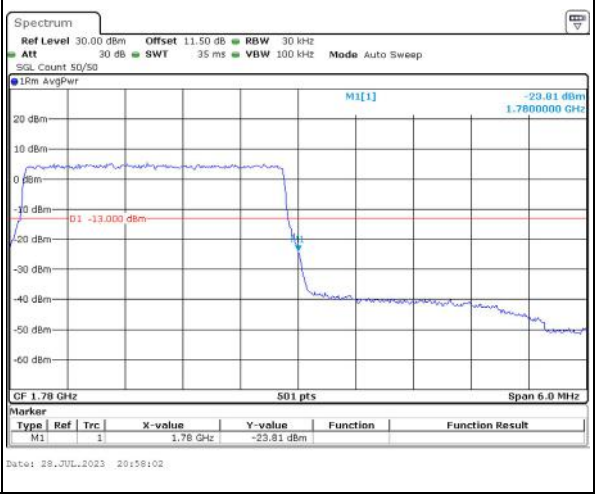
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

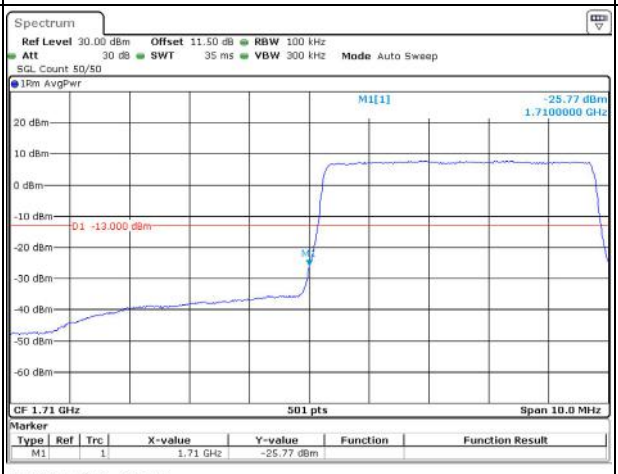
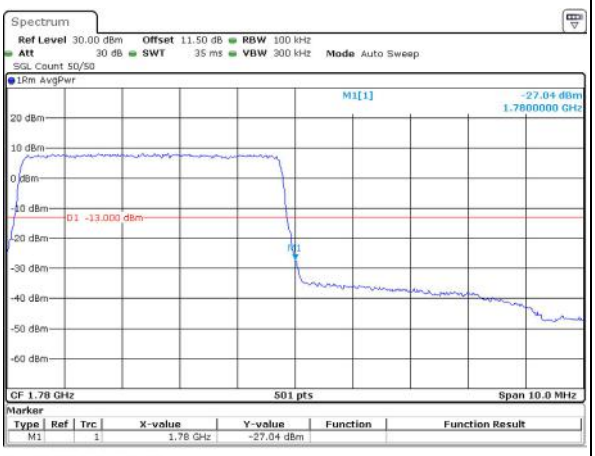
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

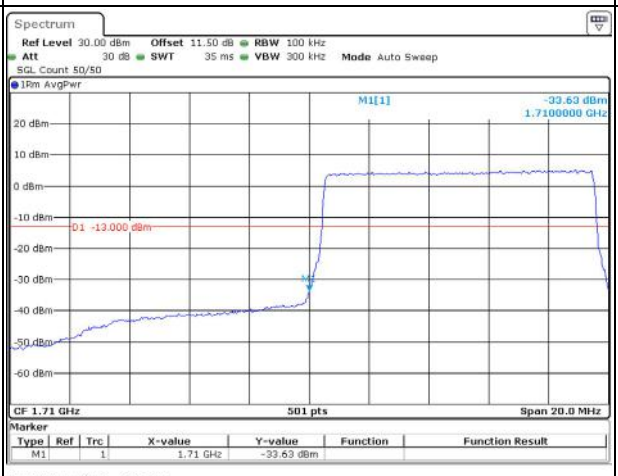
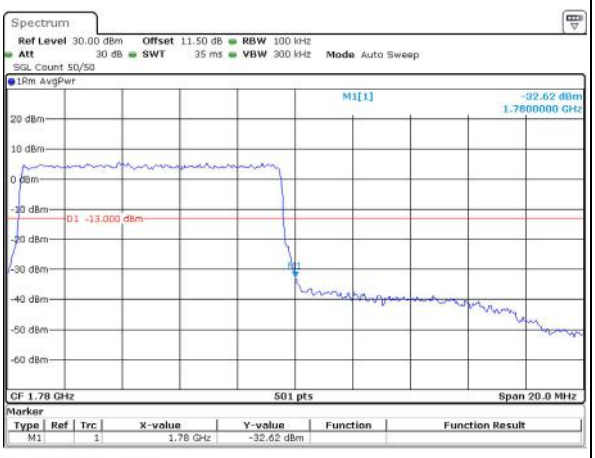
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

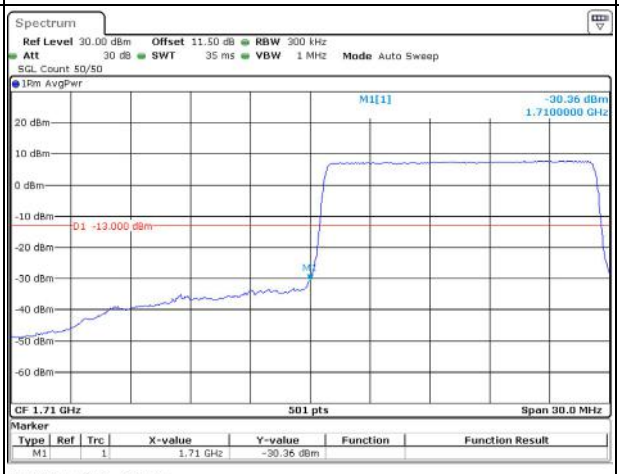
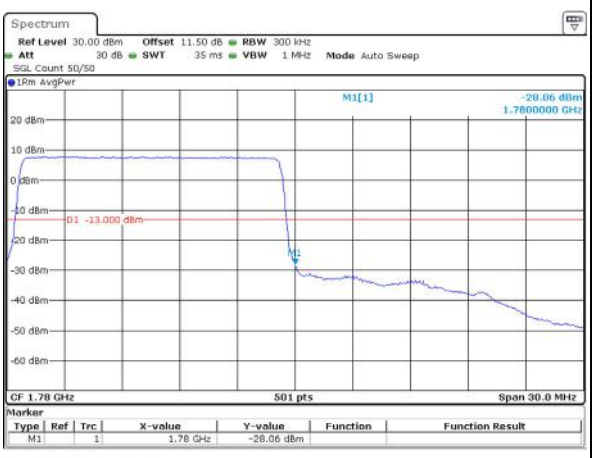
Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

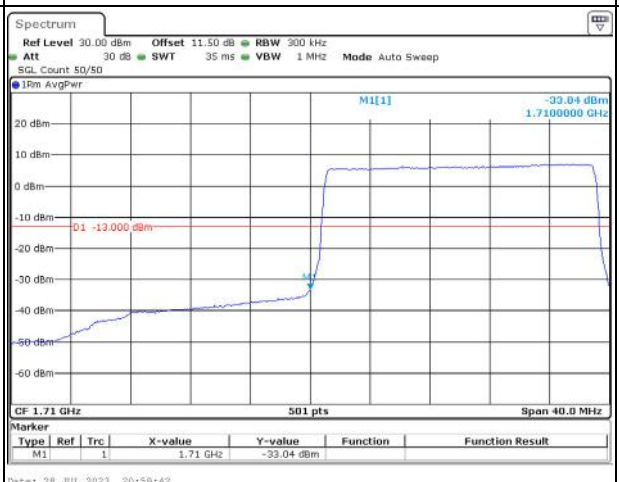
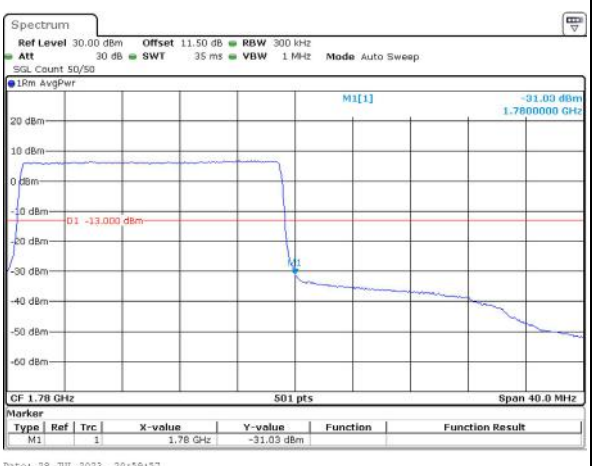
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 1.4MHz		

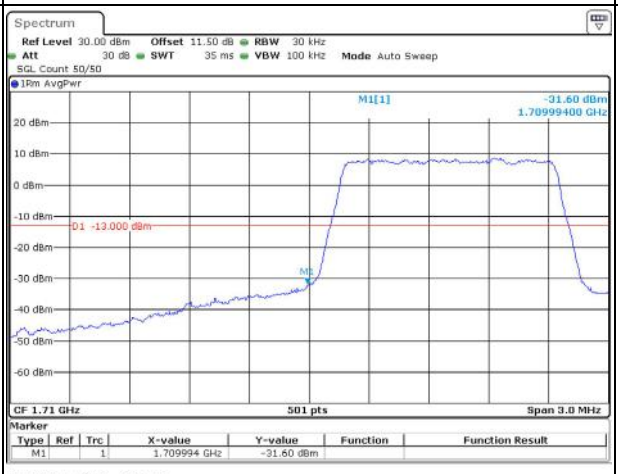
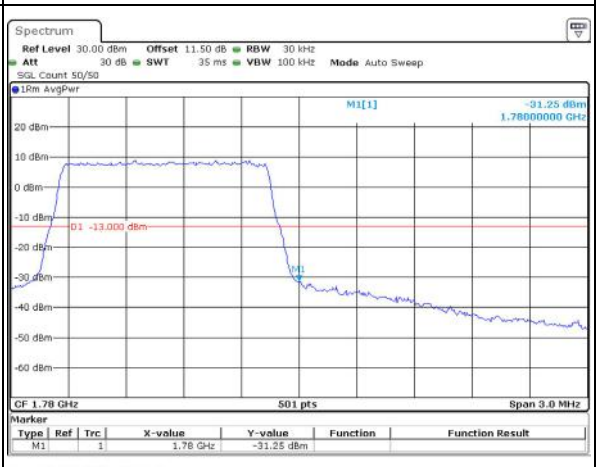
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 3MHz		

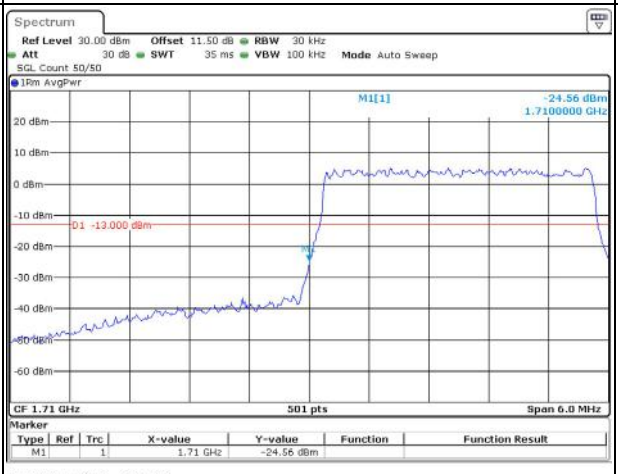
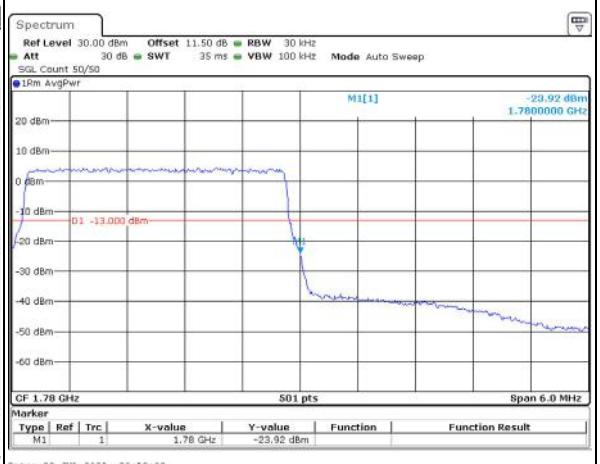
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		

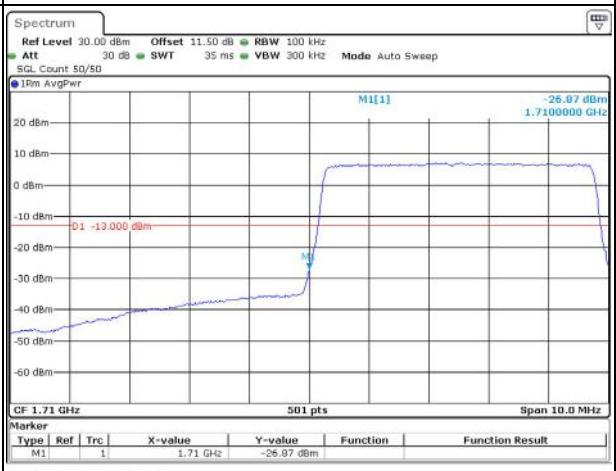
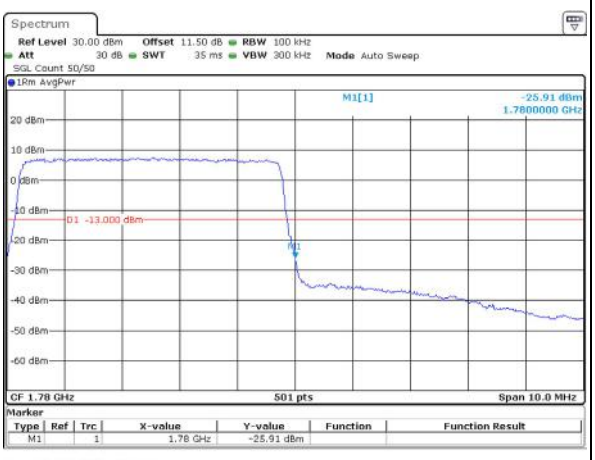
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 10MHz		

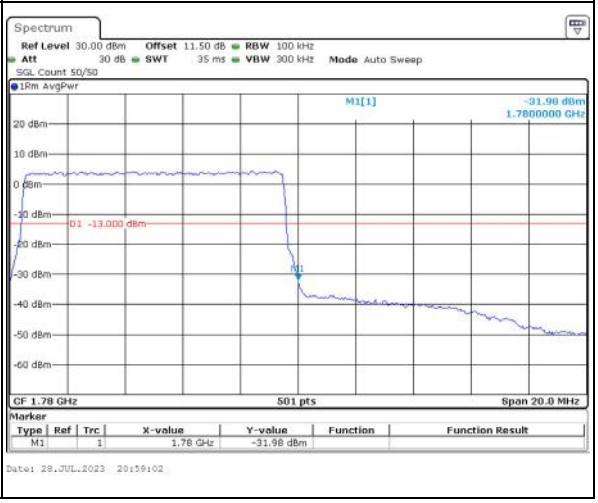
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 15MHz		

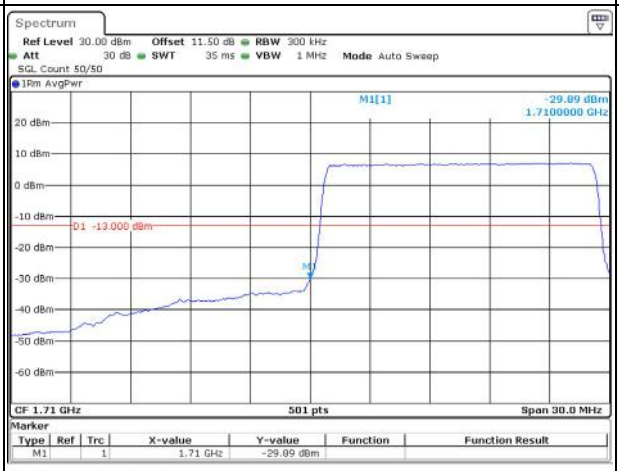
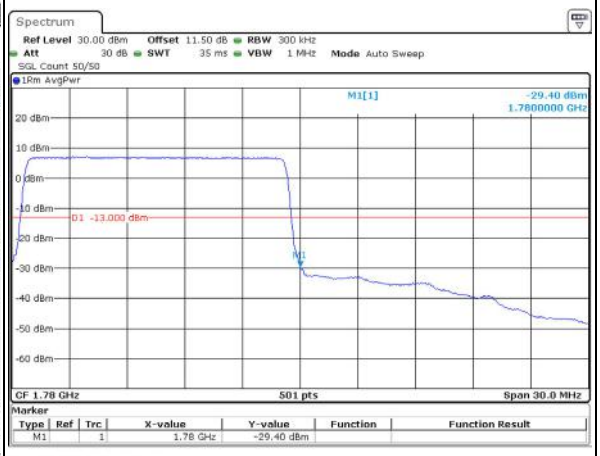
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 20MHz		

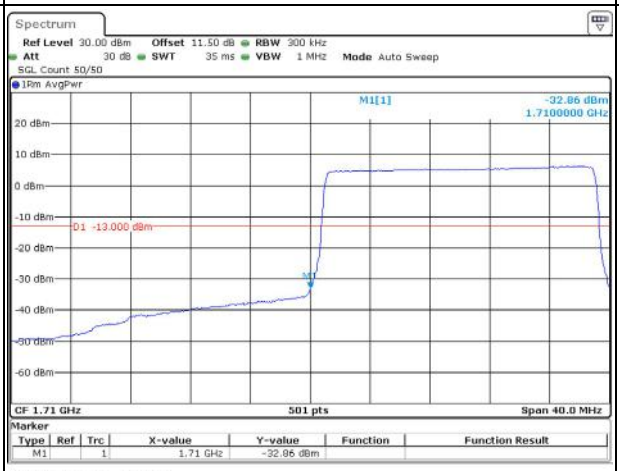
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 1.4MHz		

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

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

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

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

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

4.16 Radiated Spurious Emissions

Serial Number:	28O3-1	Test Date:	2023/8/5
Test Site:	966-2,966-1	Test Mode:	Transmitting
Tester:	Tao Zhu,	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	27.1	Relative Humidity: (%)	68	ATM Pressure: (kPa)	99.9

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
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	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:

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 (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)			
GSM 850 Frequency:824.2MHz								
945.06	H	41.99	-55.95	0.00	0.60	-56.55	-13.00	43.55
945.06	V	42.36	-53.09	0.00	0.60	-53.69	-13.00	40.69
1648.400	H	63.15	-41.18	8.68	0.80	-33.30	-13.00	20.30
1648.400	V	64.33	-40.08	8.68	0.80	-32.20	-13.00	19.20
2472.600	H	62.60	-38.18	9.38	1.00	-29.80	-13.00	16.80
2472.600	V	62.25	-38.48	9.38	1.00	-30.10	-13.00	17.10
3296.800	H	47.61	-49.07	10.32	1.15	-39.90	-13.00	26.90
3296.800	V	46.97	-49.47	10.32	1.15	-40.30	-13.00	27.30
GSM 850 Frequency:836.6MHz								
942.02	H	41.24	-56.79	0.00	0.62	-57.41	-13.00	44.41
942.02	V	39.86	-55.65	0.00	0.62	-56.27	-13.00	43.27
1673.200	H	62.75	-41.56	8.71	0.85	-33.70	-13.00	20.70
1673.200	V	64.15	-40.26	8.71	0.85	-32.40	-13.00	19.40
2509.800	H	63.10	-37.51	9.42	1.01	-29.10	-13.00	16.10
2509.800	V	62.51	-38.11	9.42	1.01	-29.70	-13.00	16.70
3346.400	H	47.49	-49.68	10.34	1.16	-40.50	-13.00	27.50
3346.400	V	46.55	-50.48	10.34	1.16	-41.30	-13.00	28.30
GSM 850 Frequency:848.8MHz								
940.14	H	42.66	-55.43	0.00	0.64	-56.07	-13.00	43.07
940.14	V	42.99	-52.56	0.00	0.64	-53.20	-13.00	40.20
1697.600	H	60.45	-43.84	8.74	0.90	-36.00	-13.00	23.00
1697.600	V	62.68	-41.74	8.74	0.90	-33.90	-13.00	20.90
2546.400	H	63.47	-36.86	9.47	1.01	-28.40	-13.00	15.40
2546.400	V	63.52	-36.76	9.47	1.01	-28.30	-13.00	15.30
3395.200	H	46.92	-50.77	10.36	1.19	-41.60	-13.00	28.60
3395.200	V	46.19	-51.47	10.36	1.19	-42.30	-13.00	29.30

PCS Band (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)			
GSM 1900 Frequency:1850.2MHz								
947.11	H	41.95	-55.93	0.00	0.59	-56.52	-13.00	43.52
947.11	V	42.61	-52.79	0.00	0.59	-53.38	-13.00	40.38
3700.400	H	44.27	-53.05	10.60	1.25	-43.70	-13.00	30.70
3700.400	V	44.45	-52.85	10.60	1.25	-43.50	-13.00	30.50
GSM 1900 Frequency:1880MHz								
952.09	H	42.31	-55.42	0.00	0.59	-56.01	-13.00	43.01
952.09	V	41.38	-53.91	0.00	0.59	-54.50	-13.00	41.50
3760.000	H	42.69	-53.72	10.66	1.24	-44.30	-13.00	31.30
3760.000	V	42.47	-53.82	10.66	1.24	-44.40	-13.00	31.40
GSM 1900 Frequency:1909.8MHz								
934.72	H	41.64	-56.61	0.00	0.66	-57.27	-13.00	44.27
934.72	V	42.56	-53.11	0.00	0.66	-53.77	-13.00	40.77
3819.600	H	41.63	-54.23	10.72	1.29	-44.80	-13.00	31.80
3819.600	V	41.39	-54.33	10.72	1.29	-44.90	-13.00	31.90

WCDMA 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)			
WCDMA Band II, Frequency:1852.4 MHz								
946.22	H	41.98	-55.92	0.00	0.60	-56.52	-13.00	43.52
946.22	V	41.90	-53.52	0.00	0.60	-54.12	-13.00	41.12
3704.800	H	44.51	-52.75	10.60	1.25	-43.40	-13.00	30.40
3704.800	V	44.18	-53.05	10.60	1.25	-43.70	-13.00	30.70
WCDMA Band II, Frequency:1880 MHz								
939.51	H	42.68	-55.43	0.00	0.64	-56.07	-13.00	43.07
939.51	V	42.11	-53.46	0.00	0.64	-54.10	-13.00	41.10
3760.000	H	42.89	-53.52	10.66	1.24	-44.10	-13.00	31.10
3760.000	V	42.47	-53.82	10.66	1.24	-44.40	-13.00	31.40
WCDMA Band II, Frequency:1907.6MHz								
940.22	H	42.25	-55.84	0.00	0.64	-56.48	-13.00	43.48
940.22	V	42.56	-52.99	0.00	0.64	-53.63	-13.00	40.63
3815.200	H	41.42	-54.43	10.72	1.29	-45.00	-13.00	32.00
3815.200	V	41.76	-53.93	10.72	1.29	-44.50	-13.00	31.50

WCDMA 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)			
Frequency: 1712.4 MHz								
957.72	H	41.74	-55.82	0.00	0.61	-56.43	-13.00	43.43
957.72	V	42.33	-52.84	0.00	0.61	-53.45	-13.00	40.45
3424.800	H	44.77	-53.00	10.37	1.17	-43.80	-13.00	30.80
3424.800	V	45.64	-52.10	10.37	1.17	-42.90	-13.00	29.90
Frequency: 1732.6 MHz								
952.78	H	43.15	-54.56	0.00	0.59	-55.15	-13.00	42.15
952.78	V	41.03	-54.25	0.00	0.59	-54.84	-13.00	41.84
3465.200	H	44.57	-53.24	10.39	1.15	-44.00	-13.00	31.00
3465.200	V	44.13	-53.64	10.39	1.15	-44.40	-13.00	31.40
Frequency: 1752.6 MHz								
937.73	H	42.82	-55.34	0.00	0.65	-55.99	-13.00	42.99
937.73	V	42.18	-53.43	0.00	0.65	-54.08	-13.00	41.08
3505.200	H	44.50	-53.33	10.41	1.18	-44.10	-13.00	31.10
3505.200	V	43.74	-54.03	10.41	1.18	-44.80	-13.00	31.80

WCDMA 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)			
WCDMA Band 5 Frequency:826.4 MHz								
939.83	H	41.34	-56.76	0.00	0.64	-57.40	-13.00	44.40
939.83	V	42.48	-53.08	0.00	0.64	-53.72	-13.00	40.72
1652.800	H	49.76	-54.57	8.68	0.81	-46.70	-13.00	33.70
1652.800	V	51.94	-52.47	8.68	0.81	-44.60	-13.00	31.60
2479.200	H	51.18	-49.58	9.39	1.01	-41.20	-13.00	28.20
2479.200	V	50.85	-49.88	9.39	1.01	-41.50	-13.00	28.50
3305.600	H	42.96	-53.77	10.32	1.15	-44.60	-13.00	31.60
3305.600	V	41.93	-54.57	10.32	1.15	-45.40	-13.00	32.40
WCDMA Band 5 Frequency:836.6MHz								
943.99	H	41.93	-56.04	0.00	0.61	-56.65	-13.00	43.65
943.99	V	41.41	-54.06	0.00	0.61	-54.67	-13.00	41.67
1673.200	H	51.15	-53.16	8.71	0.85	-45.30	-13.00	32.30
1673.200	V	52.15	-52.26	8.71	0.85	-44.40	-13.00	31.40
2509.800	H	52.00	-48.61	9.42	1.01	-40.20	-13.00	27.20
2509.800	V	51.51	-49.11	9.42	1.01	-40.70	-13.00	27.70
3346.400	H	43.49	-53.68	10.34	1.16	-44.50	-13.00	31.50
3346.400	V	43.95	-53.08	10.34	1.16	-43.90	-13.00	30.90
WCDMA Band 5 Frequency:846.6MHz								
942.20	H	42.30	-55.73	0.00	0.62	-56.35	-13.00	43.35
942.20	V	42.12	-53.39	0.00	0.62	-54.01	-13.00	41.01
1693.200	H	52.26	-52.04	8.73	0.89	-44.20	-13.00	31.20
1693.200	V	53.68	-50.74	8.73	0.89	-42.90	-13.00	29.90
2539.800	H	52.43	-47.95	9.46	1.01	-39.50	-13.00	26.50
2539.800	V	51.19	-49.15	9.46	1.01	-40.70	-13.00	27.70
3386.400	H	43.62	-53.97	10.35	1.18	-44.80	-13.00	31.80
3386.400	V	44.67	-52.87	10.35	1.18	-43.70	-13.00	30.70

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, 1.4MHz, Frequency:1850.7 MHz								
944.26	H	41.95	-56.01	0.00	0.61	-56.62	-13.00	43.62
944.26	V	41.58	-53.89	0.00	0.61	-54.50	-13.00	41.50
3701.400	H	42.46	-54.85	10.60	1.25	-45.50	-13.00	32.50
3701.400	V	43.14	-54.15	10.60	1.25	-44.80	-13.00	31.80
QPSK, 1.4MHz,Frequency:1880 MHz								
949.04	H	41.36	-56.46	0.00	0.58	-57.04	-13.00	44.04
949.04	V	41.19	-54.17	0.00	0.58	-54.75	-13.00	41.75
3760.000	H	41.99	-54.42	10.66	1.24	-45.00	-13.00	32.00
3760.000	V	42.67	-53.62	10.66	1.24	-44.20	-13.00	31.20
QPSK, 1.4MHz,Frequency:1909.3 MHz								
948.09	H	41.93	-55.92	0.00	0.59	-56.51	-13.00	43.51
948.09	V	41.25	-54.13	0.00	0.59	-54.72	-13.00	41.72
3818.600	H	42.63	-53.23	10.72	1.29	-43.80	-13.00	30.80
3818.600	V	42.38	-53.33	10.72	1.29	-43.90	-13.00	30.90

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)			
1.4MHz QPSK, Frequency: 1710.7 MHz								
944.04	H	41.23	-56.74	0.00	0.61	-57.35	-13.00	44.35
944.04	V	42.56	-52.91	0.00	0.61	-53.52	-13.00	40.52
3421.400	H	44.86	-52.90	10.37	1.17	-43.70	-13.00	30.70
3421.400	V	44.83	-52.90	10.37	1.17	-43.70	-13.00	30.70
1.4MHz QPSK, Frequency: 1732.5 MHz								
942.49	H	42.22	-55.80	0.00	0.62	-56.42	-13.00	43.42
942.49	V	41.88	-53.62	0.00	0.62	-54.24	-13.00	41.24
3465.000	H	45.27	-52.54	10.39	1.15	-43.30	-13.00	30.30
3465.000	V	43.73	-54.04	10.39	1.15	-44.80	-13.00	31.80
1.4MHz QPSK, Frequency: 1754.3 MHz								
956.29	H	41.79	-55.81	0.00	0.61	-56.42	-13.00	43.42
956.29	V	42.30	-52.90	0.00	0.61	-53.51	-13.00	40.51
3508.600	H	45.60	-52.22	10.41	1.19	-43.00	-13.00	30.00
3508.600	V	43.14	-54.62	10.41	1.19	-45.40	-13.00	32.40

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, 1.4MHz, Frequency: 824.7 MHz								
951.93	H	41.66	-56.07	0.00	0.59	-56.66	-13.00	43.66
951.93	V	41.91	-53.39	0.00	0.59	-53.98	-13.00	40.98
1649.400	H	52.95	-51.38	8.68	0.80	-43.50	-13.00	30.50
1649.400	V	54.33	-50.08	8.68	0.80	-42.20	-13.00	29.20
2474.100	H	54.00	-46.78	9.38	1.00	-38.40	-13.00	25.40
2474.100	V	54.15	-46.58	9.38	1.00	-38.20	-13.00	25.20
3298.800	H	42.71	-53.97	10.32	1.15	-44.80	-13.00	31.80
3298.800	V	42.27	-54.17	10.32	1.15	-45.00	-13.00	32.00
QPSK, 1.4MHz, Frequency: 836.5 MHz								
959.45	H	41.96	-55.54	0.00	0.62	-56.16	-13.00	43.16
959.45	V	41.66	-53.47	0.00	0.62	-54.09	-13.00	41.09
1673.000	H	55.65	-48.66	8.71	0.85	-40.80	-13.00	27.80
1673.000	V	57.15	-47.26	8.71	0.85	-39.40	-13.00	26.40
2509.500	H	55.00	-45.61	9.42	1.01	-37.20	-13.00	24.20
2509.500	V	55.31	-45.31	9.42	1.01	-36.90	-13.00	23.90
3346.000	H	43.88	-53.28	10.34	1.16	-44.10	-13.00	31.10
3346.000	V	43.24	-53.78	10.34	1.16	-44.60	-13.00	31.60
QPSK, 1.4MHz, Frequency: 848.3 MHz								
957.73	H	42.49	-55.07	0.00	0.61	-55.68	-13.00	42.68
957.73	V	42.44	-52.73	0.00	0.61	-53.34	-13.00	40.34
1696.600	H	56.14	-48.15	8.74	0.89	-40.30	-13.00	27.30
1696.600	V	57.57	-46.85	8.74	0.89	-39.00	-13.00	26.00
2544.900	H	58.18	-42.16	9.47	1.01	-33.70	-13.00	20.70
2544.900	V	57.04	-43.26	9.47	1.01	-34.80	-13.00	21.80
3393.200	H	44.60	-53.07	10.36	1.19	-43.90	-13.00	30.90
3393.200	V	44.36	-53.27	10.36	1.19	-44.10	-13.00	31.10

LTE Band 7(30MHz-26.5GHz):

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								
958.27	H	41.26	-56.28	0.00	0.61	-56.89	-25.00	31.89
958.27	V	42.01	-53.15	0.00	0.61	-53.76	-25.00	28.76
5005.000	H	41.43	-51.53	11.20	1.47	-41.80	-25.00	16.80
5005.000	V	42.79	-50.03	11.20	1.47	-40.30	-25.00	15.30
5MHz QPSK, Frequency: 2535 MHz								
943.57	H	42.68	-55.30	0.00	0.61	-55.91	-25.00	30.91
943.57	V	42.77	-52.71	0.00	0.61	-53.32	-25.00	28.32
5070.000	H	42.92	-50.27	11.24	1.47	-40.50	-25.00	15.50
5070.000	V	43.52	-49.57	11.24	1.47	-39.80	-25.00	14.80
5MHz QPSK, Frequency: 2567.5 MHz								
953.40	H	42.75	-54.94	0.00	0.59	-55.53	-25.00	30.53
953.40	V	42.34	-52.93	0.00	0.59	-53.52	-25.00	28.52
5135.000	H	43.69	-49.91	11.28	1.47	-40.10	-25.00	15.10
5135.000	V	44.38	-49.11	11.28	1.47	-39.30	-25.00	14.30

LTE Band 12(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)			
5MHz QPSK, Frequency: 699.7 MHz								
946.61	H	42.63	-55.26	0.00	0.59	-55.85	-13.00	42.85
946.61	V	42.30	-53.11	0.00	0.59	-53.70	-13.00	40.70
1399.400	H	52.29	-51.41	8.22	0.71	-43.90	-13.00	30.90
1399.400	V	53.24	-50.51	8.22	0.71	-43.00	-13.00	30.00
2099.100	H	57.63	-44.25	9.16	0.91	-36.00	-13.00	23.00
2099.100	V	54.38	-47.45	9.16	0.91	-39.20	-13.00	26.20
2798.800	H	41.69	-58.24	9.88	1.04	-49.40	-13.00	36.40
2798.800	V	41.46	-58.34	9.88	1.04	-49.50	-13.00	36.50
5MHz QPSK, Frequency: 707.5 MHz								
952.01	H	42.26	-55.47	0.00	0.59	-56.06	-13.00	43.06
952.01	V	41.22	-54.08	0.00	0.59	-54.67	-13.00	41.67
1415.000	H	52.63	-51.04	8.26	0.72	-43.50	-13.00	30.50
1415.000	V	53.38	-50.34	8.26	0.72	-42.80	-13.00	29.80
2122.500	H	58.24	-43.75	9.17	0.92	-35.50	-13.00	22.50
2122.500	V	55.02	-46.95	9.17	0.92	-38.70	-13.00	25.70
2830.000	H	42.03	-57.77	9.93	1.06	-48.90	-13.00	35.90
2830.000	V	41.76	-57.97	9.93	1.06	-49.10	-13.00	36.10
5MHz QPSK, Frequency: 715.3 MHz								
956.31	H	41.27	-56.33	0.00	0.61	-56.94	-13.00	43.94
956.31	V	40.82	-54.38	0.00	0.61	-54.99	-13.00	41.99
1430.600	H	53.15	-50.48	8.31	0.73	-42.90	-13.00	29.90
1430.600	V	53.61	-50.08	8.31	0.73	-42.50	-13.00	29.50
2145.900	H	58.44	-43.66	9.19	0.93	-35.40	-13.00	22.40
2145.900	V	55.55	-46.56	9.19	0.93	-38.30	-13.00	25.30
2861.200	H	41.84	-57.81	9.98	1.07	-48.90	-13.00	35.90
2861.200	V	41.56	-58.11	9.98	1.07	-49.20	-13.00	36.20

LTE Band 17(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)			
5MHz QPSK, Frequency: 706.5 MHz								
959.88	H	41.53	-55.96	0.00	0.62	-56.58	-13.00	43.58
959.88	V	41.92	-53.20	0.00	0.62	-53.82	-13.00	40.82
1413.000	H	54.53	-49.14	8.26	0.72	-41.60	-13.00	28.60
1413.000	V	55.68	-48.04	8.26	0.72	-40.50	-13.00	27.50
2119.500	H	57.42	-44.55	9.17	0.92	-36.30	-13.00	23.30
2119.500	V	56.40	-45.55	9.17	0.92	-37.30	-13.00	24.30
2826.000	H	41.35	-58.46	9.92	1.06	-49.60	-13.00	36.60
2826.000	V	41.28	-58.46	9.92	1.06	-49.60	-13.00	36.60
5MHz QPSK, Frequency: 710 MHz								
956.09	H	41.26	-56.35	0.00	0.60	-56.95	-13.00	43.95
956.09	V	42.06	-53.15	0.00	0.60	-53.75	-13.00	40.75
1420.000	H	54.21	-49.45	8.28	0.73	-41.90	-13.00	28.90
1420.000	V	55.16	-48.55	8.28	0.73	-41.00	-13.00	28.00
2130.000	H	57.56	-44.46	9.18	0.92	-36.20	-13.00	23.20
2130.000	V	56.95	-45.06	9.18	0.92	-36.80	-13.00	23.80
2840.000	H	41.47	-58.28	9.94	1.06	-49.40	-13.00	36.40
2840.000	V	41.33	-58.38	9.94	1.06	-49.50	-13.00	36.50
5MHz QPSK, Frequency: 713.5 MHz								
951.33	H	41.73	-56.02	0.00	0.59	-56.61	-13.00	43.61
951.33	V	42.56	-52.75	0.00	0.59	-53.34	-13.00	40.34
1427.000	H	53.67	-49.97	8.30	0.73	-42.40	-13.00	29.40
1427.000	V	54.62	-49.07	8.30	0.73	-41.50	-13.00	28.50
2140.500	H	57.72	-44.35	9.18	0.93	-36.10	-13.00	23.10
2140.500	V	58.53	-43.55	9.18	0.93	-35.30	-13.00	22.30
2854.000	H	41.39	-58.30	9.97	1.07	-49.40	-13.00	36.40
2854.000	V	40.98	-58.70	9.97	1.07	-49.80	-13.00	36.80

LTE Band 38_5MHz_QPSK: (30MHz-26.5GHz)

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								
942.89	H	42.42	-55.58	0.00	0.62	-56.20	-25.00	31.20
942.89	V	41.50	-53.99	0.00	0.62	-54.61	-25.00	29.61
5145.000	H	42.23	-51.45	11.29	1.44	-41.60	-25.00	16.60
5145.000	V	43.02	-50.55	11.29	1.44	-40.70	-25.00	15.70
5MHz QPSK, Frequency: 2595 MHz								
955.70	H	42.53	-55.09	0.00	0.60	-55.69	-25.00	30.69
955.70	V	41.52	-53.70	0.00	0.60	-54.30	-25.00	29.30
5190.000	H	43.20	-50.87	11.31	1.44	-41.00	-25.00	16.00
5190.000	V	44.25	-49.67	11.31	1.44	-39.80	-25.00	14.80
5MHz QPSK, Frequency: 2617.5 MHz								
955.16	H	41.99	-55.64	0.00	0.60	-56.24	-25.00	31.24
955.16	V	43.13	-52.10	0.00	0.60	-52.70	-25.00	27.70
5235.000	H	43.82	-50.08	11.34	1.46	-40.20	-25.00	15.20
5235.000	V	45.03	-48.68	11.34	1.46	-38.80	-25.00	13.80

LTE Band 40 Lower: (30MHz-25GHz)

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: 2307.5 MHz								
948.11	H	42.35	-55.50	0.00	0.59	-56.09	-40.00	16.09
948.11	V	42.96	-52.42	0.00	0.59	-53.01	-40.00	13.01
4615.000	H	39.73	-55.63	10.74	1.41	-46.30	-40.00	6.30
4615.000	V	41.49	-53.73	10.74	1.41	-44.40	-40.00	4.40
5MHz QPSK, Frequency: 2312.5 MHz								
957.25	H	41.65	-55.92	0.00	0.61	-56.53	-40.00	16.53
957.25	V	41.98	-53.20	0.00	0.61	-53.81	-40.00	13.81
4625.000	H	40.75	-54.54	10.75	1.41	-45.20	-40.00	5.20
4625.000	V	42.13	-53.04	10.75	1.41	-43.70	-40.00	3.70

LTE Band 40 Upper: (30MHz-25GHz)

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: 2352.5 MHz								
951.32	H	41.17	-56.58	0.00	0.59	-57.17	-40.00	17.17
951.32	V	41.97	-53.34	0.00	0.59	-53.93	-40.00	13.93
4705.000	H	39.04	-55.74	10.85	1.41	-46.30	-40.00	6.30
4705.000	V	41.16	-53.64	10.85	1.41	-44.20	-40.00	4.20
5MHz QPSK, Frequency: 2357.5 MHz								
948.11	H	42.26	-55.59	0.00	0.59	-56.18	-40.00	16.18
948.11	V	41.55	-53.83	0.00	0.59	-54.42	-40.00	14.42
4715.000	H	39.86	-54.85	10.86	1.41	-45.40	-40.00	5.40
4715.000	V	41.86	-52.85	10.86	1.41	-43.40	-40.00	3.40

LTE Band 41: (30MHz-27GHz)

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, 5MHz, Frequency: 2537.5 MHz								
953.18	H	41.71	-55.98	0.00	0.59	-56.57	-25.00	31.57
953.18	V	42.16	-53.11	0.00	0.59	-53.70	-25.00	28.70
5075.000	H	41.74	-51.47	11.25	1.48	-41.70	-25.00	16.70
5075.000	V	42.14	-50.97	11.25	1.48	-41.20	-25.00	16.20
QPSK, 5MHz, Frequency:2595 MHz								
945.16	H	42.86	-55.08	0.00	0.60	-55.68	-25.00	30.68
945.16	V	43.12	-52.33	0.00	0.60	-52.93	-25.00	27.93
5190.000	H	42.80	-51.27	11.31	1.44	-41.40	-25.00	16.40
5190.000	V	43.75	-50.17	11.31	1.44	-40.30	-25.00	15.30
QPSK, 5MHz, Frequency: 2652.5 MHz								
943.06	H	41.56	-56.44	0.00	0.62	-57.06	-25.00	32.06
943.06	V	41.93	-53.56	0.00	0.62	-54.18	-25.00	29.18
5305.000	H	43.02	-50.42	11.38	1.46	-40.50	-25.00	15.50
5305.000	V	44.06	-49.12	11.38	1.46	-39.20	-25.00	14.20

LTE Band 66(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: 1710.7 MHz								
951.52	H	42.58	-55.16	0.00	0.59	-55.75	-13.00	42.75
951.52	V	42.57	-52.74	0.00	0.59	-53.33	-13.00	40.33
3421.400	H	45.76	-52.00	10.37	1.17	-42.80	-13.00	29.80
3421.400	V	46.63	-51.10	10.37	1.17	-41.90	-13.00	28.90
QPSK, 1.4MHz, Frequency: 1745 MHz								
946.65	H	41.24	-56.65	0.00	0.59	-57.24	-13.00	44.24
946.65	V	41.47	-53.94	0.00	0.59	-54.53	-13.00	41.53
3490.000	H	46.61	-51.23	10.40	1.17	-42.00	-13.00	29.00
3490.000	V	46.15	-51.63	10.40	1.17	-42.40	-13.00	29.40
QPSK, 1.4MHz, Frequency: 1779.3 MHz								
955.61	H	41.92	-55.70	0.00	0.60	-56.30	-13.00	43.30
955.61	V	41.93	-53.29	0.00	0.60	-53.89	-13.00	40.89
3558.600	H	46.23	-51.44	10.46	1.22	-42.20	-13.00	29.20
3558.600	V	47.13	-50.44	10.46	1.22	-41.20	-13.00	28.20

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 CR230742464-EXP EUT EXTERNAL PHOTOGRAPHS and CR230742464-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230742464-00B-TSP TEST SETUP PHOTOGRAPHS.

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