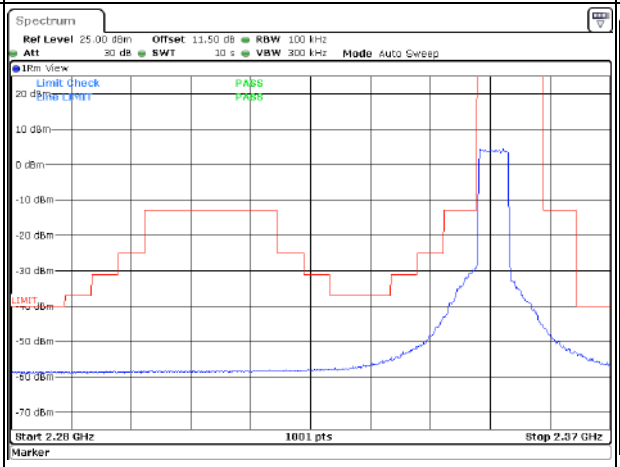
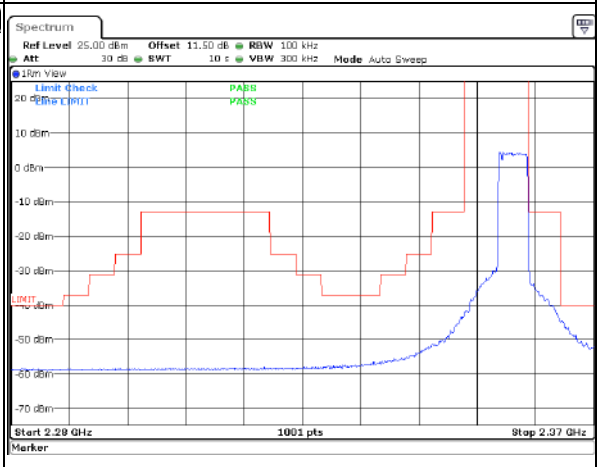
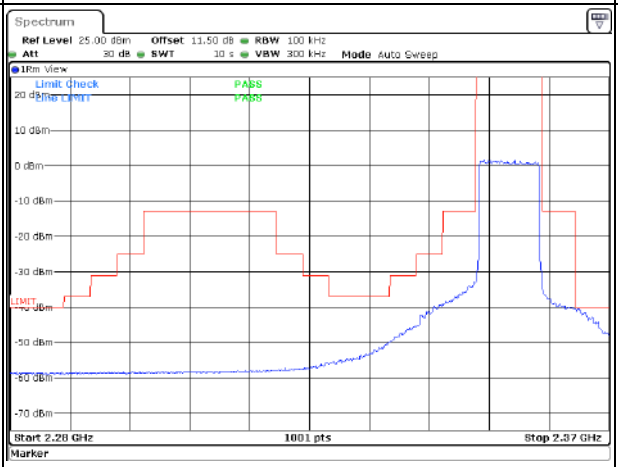
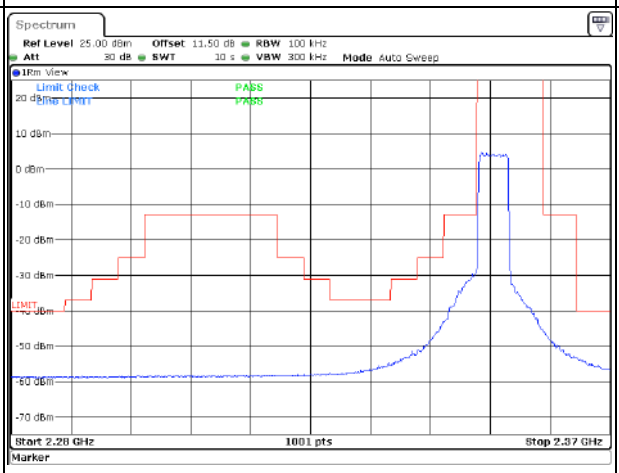
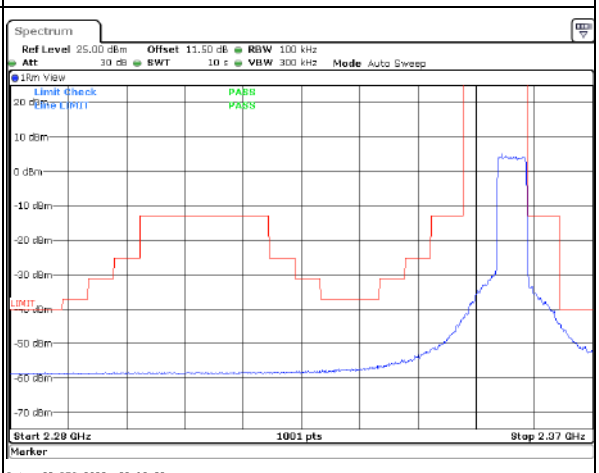
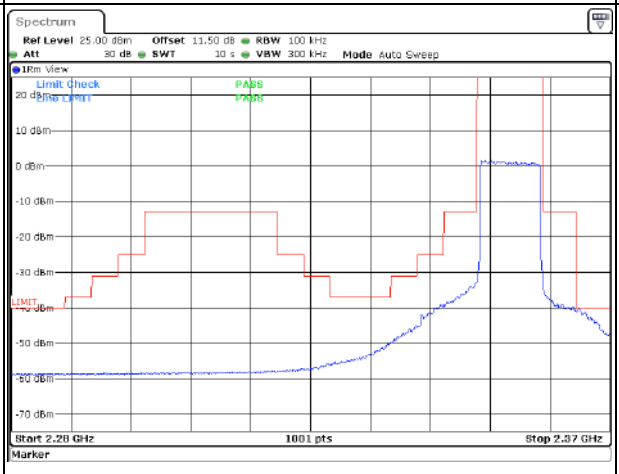
2350-2360 MHz:

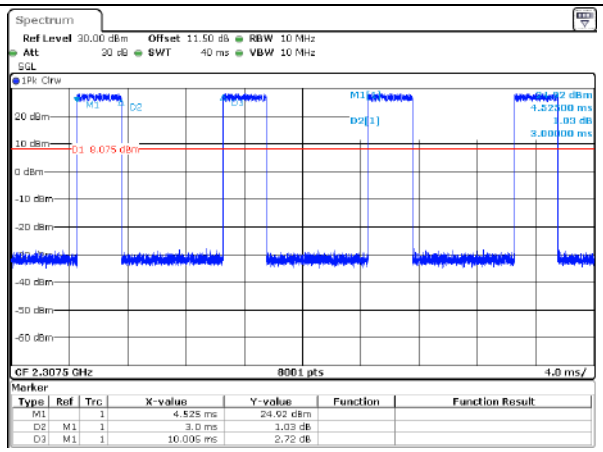
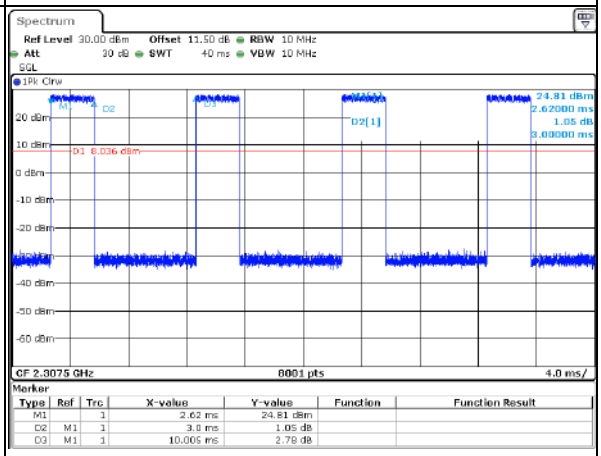
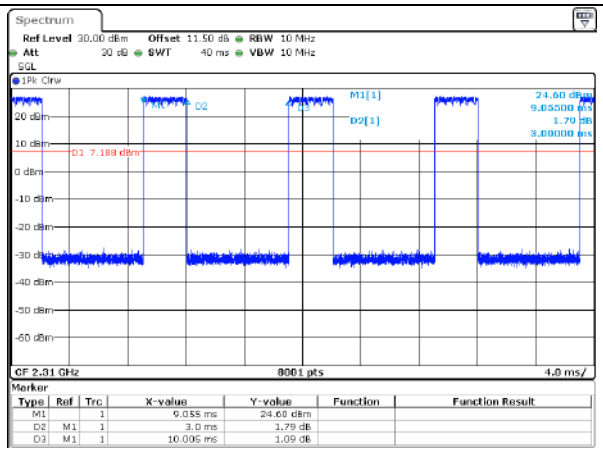
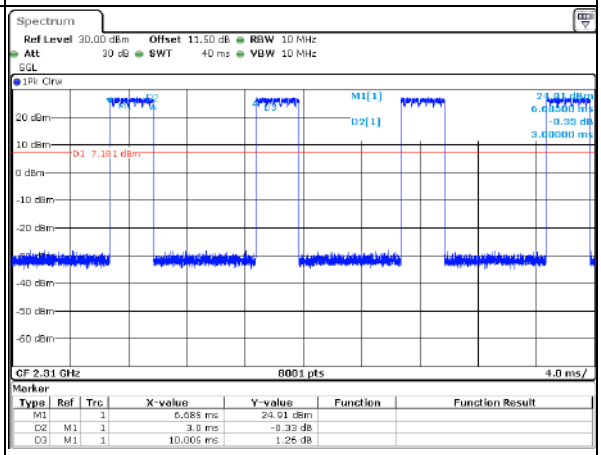
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		

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

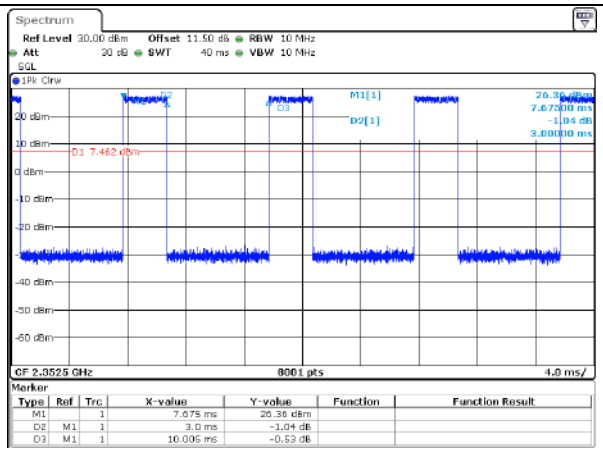
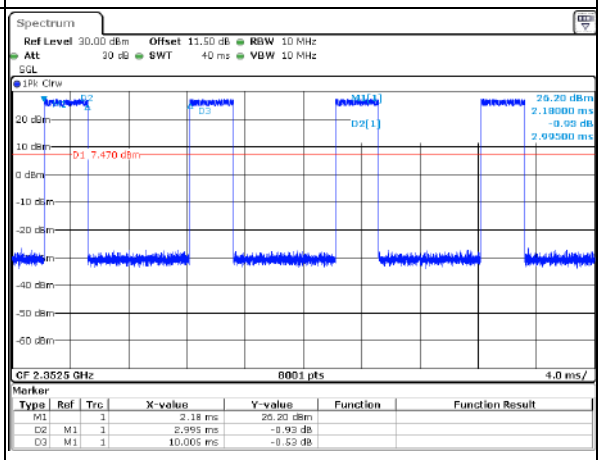
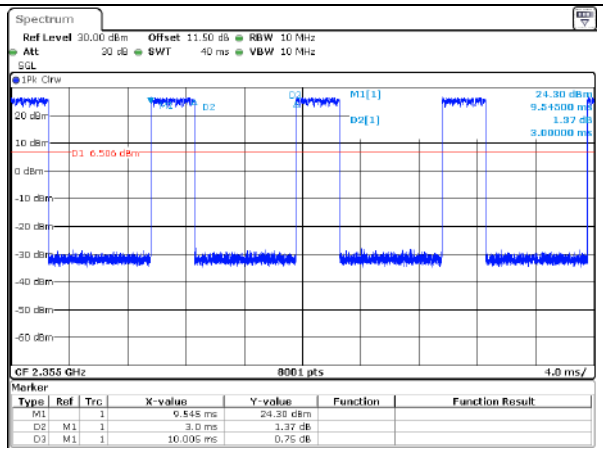
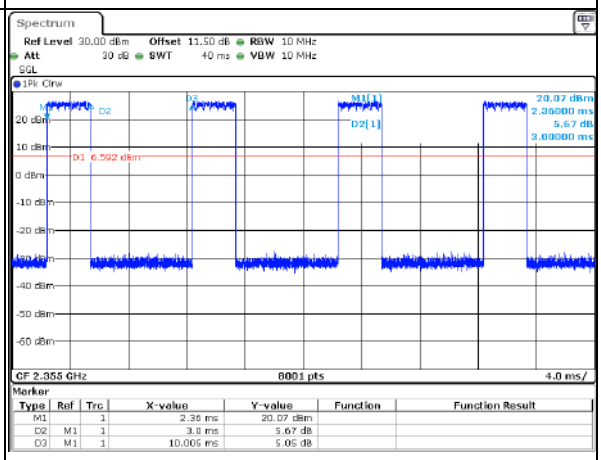
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 5MHz		

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

2305-2315 MHz:

Duty cycle		
Mode	**QPSK**	**16QAM**
5MHz		
10MHz		

2350-2360 MHz:

Duty cycle		
Mode	**QPSK**	**16QAM**
5MHz		
10MHz		

4.17 Antenna Port Test Data and Results for LTE Band 41

Serial Number:	294A-2	Test Date:	2023/9/14-2024/01/04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ken Tang	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	26.7~28.4	Relative Humidity: (%)	53~58	ATM Pressure: (kPa)	100.2~100.6

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211002	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
Minl-Clrcuits	Power Splitter	ZFRSC-183-S+	S F448201619	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	143458	2023/3/31	2024/3/30
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2023/9/28	2024/9/27
UNI-T	Multimeter	UT39A+	C210582554	2022/9/29	2023/9/28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A

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

Test Frequency for Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	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	22.62	23.00	23.23	**22.19**	33
	RB1#13	22.54	23.07	23.26		
	RB1#24	22.47	23.11	23.22		
	RB15#0	19.61	22.00	22.25		
	RB15#10	19.59	22.08	22.28		
	RB25#0	19.58	22.09	22.27		
5MHz 16QAM	RB1#0	21.64	22.43	22.37	21.45	33
	RB1#13	21.70	22.42	22.44		
	RB1#24	21.64	22.52	22.29		
	RB15#0	18.63	21.06	21.20		
	RB15#10	18.61	21.14	21.23		
	RB25#0	18.63	21.13	21.31		
10MHz QPSK	RB1#0	22.57	23.08	23.24	22.17	33
	RB1#25	22.51	23.03	23.20		
	RB1#49	22.54	22.99	23.22		
	RB25#0	19.58	22.01	22.31		
	RB25#25	19.60	22.17	22.26		
	RB50#0	19.62	22.14	22.29		
10MHz 16QAM	RB1#0	21.72	22.55	22.18	**21.48**	33
	RB1#25	21.67	22.35	22.10		
	RB1#49	21.75	22.47	22.23		
	RB25#0	18.55	21.08	21.34		
	RB25#25	18.63	21.16	21.38		
	RB50#0	18.56	21.15	21.32		
15MHz QPSK	RB1#0	22.38	22.82	23.04	22.03	33
	RB1#38	22.34	22.77	22.96		
	RB1#74	22.36	22.88	23.10		
	RB36#0	19.46	21.89	22.16		
	RB36#39	19.49	21.97	22.15		
	RB75#0	19.44	21.97	22.14		

15MHz 16QAM	RB1#0	21.65	22.18	22.16	21.12	33
	RB1#38	21.58	22.13	22.11		
	RB1#74	21.63	22.19	22.19		
	RB36#0	18.53	20.91	21.11		
	RB36#39	18.52	20.98	21.17		
	RB75#0	18.48	20.90	21.18		
20MHz QPSK	RB1#0	22.38	22.89	23.06	22.04	33
	RB1#50	22.37	22.83	22.96		
	RB1#99	22.45	22.96	23.11		
	RB50#0	19.47	21.95	22.15		
	RB50#50	19.50	21.97	22.14		
	RB100#0	19.53	22.00	22.20		
20MHz 16QAM	RB1#0	21.69	22.06	22.20	21.13	33
	RB1#50	21.68	22.01	22.04		
	RB1#99	21.78	22.12	22.17		
	RB50#0	18.42	20.94	21.23		
	RB50#50	18.54	21.02	21.20		
	RB100#0	18.49	21.01	21.21		
Note: EIRP=Conducted Power(dBm) - L_C(dB) + G_T(dBi)						
					Result:	**Pass**

Peak-to-average Ratio(PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	6.11	8.88	6.01	13
	RB100#0	9.59	8.86	6.35	13
20MHz 16QAM	RB1#0	9.45	7.64	8.10	13
	RB100#0	7.32	6.59	9.00	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	4.960	5.040	5.000
5MHz 16QAM	4.511	4.511	4.511	5.060	5.060	5.360
10MHz QPSK	8.942	8.942	8.982	9.800	9.640	9.720
10MHz 16QAM	8.942	8.942	8.942	9.600	9.720	9.560
15MHz QPSK	13.533	13.473	13.533	14.760	15.120	14.940
15MHz 16QAM	13.533	13.593	13.533	15.600	15.060	14.820
20MHz QPSK	17.884	17.884	17.884	19.200	19.440	19.360
20MHz 16QAM	17.964	17.964	17.964	19.840	17.964	19.520
Note: The test plots please refer to the Plots of Occupied Bandwidth						

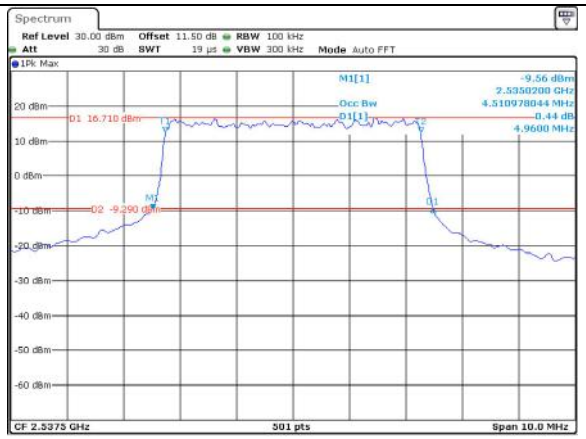
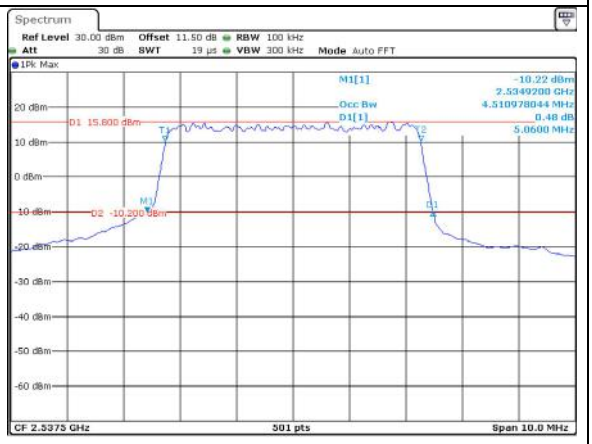
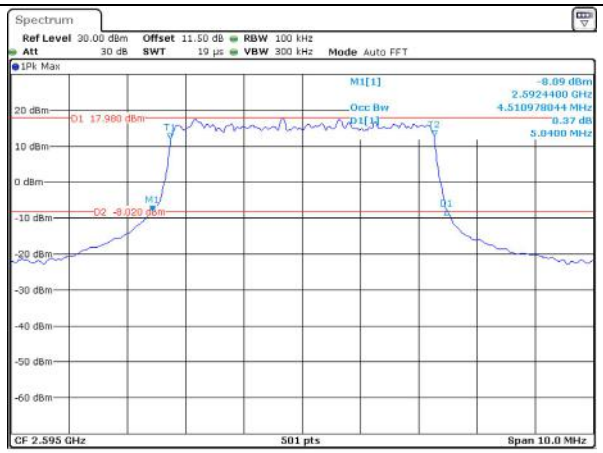
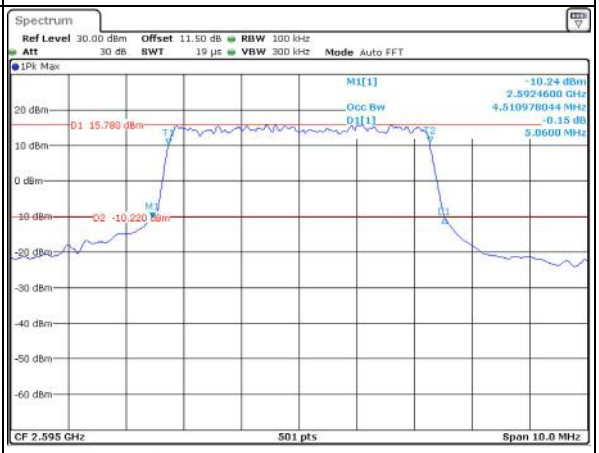
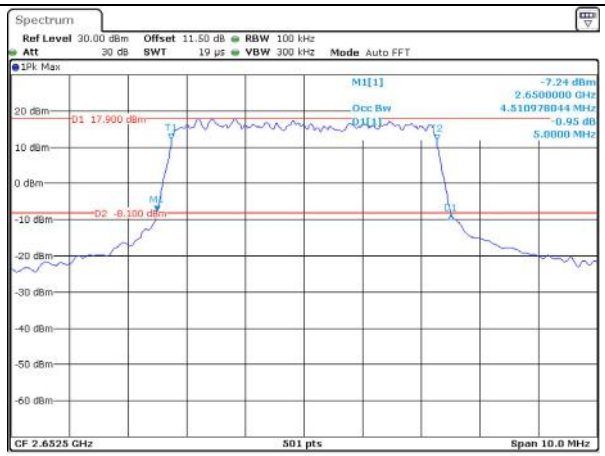
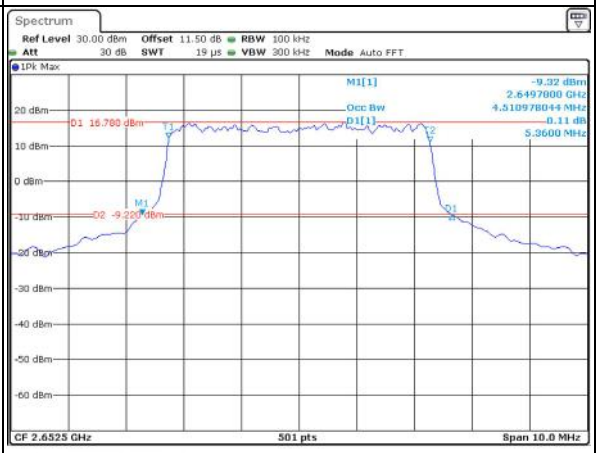
FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

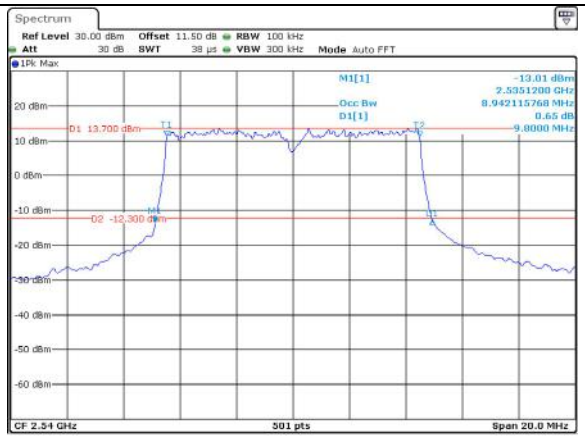
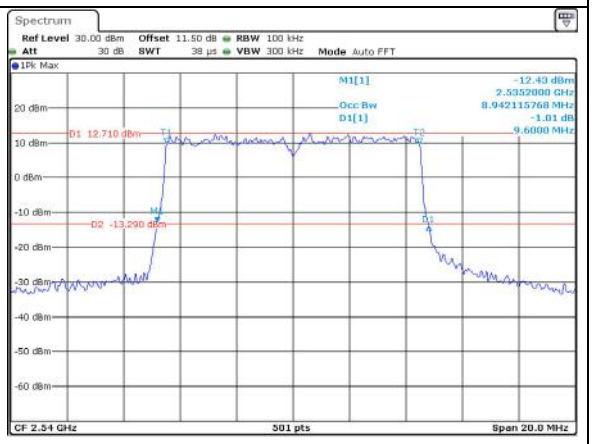
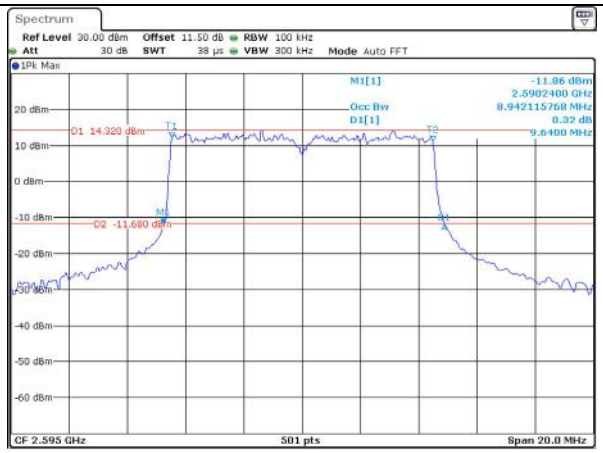
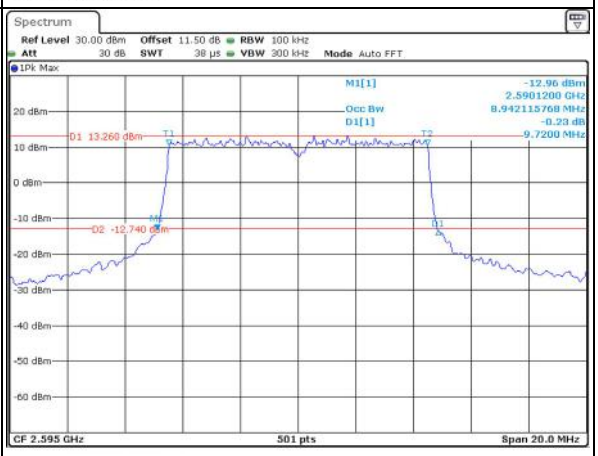
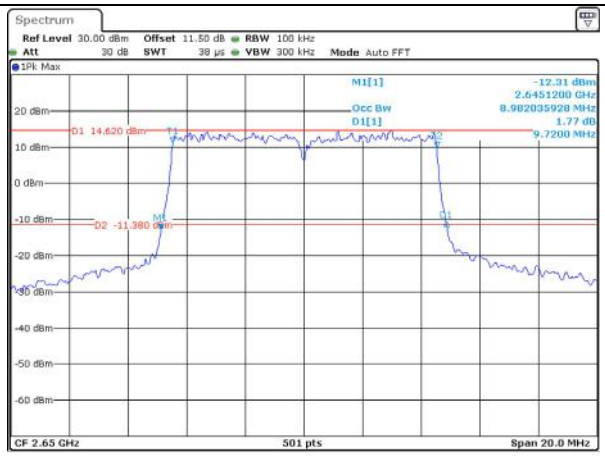
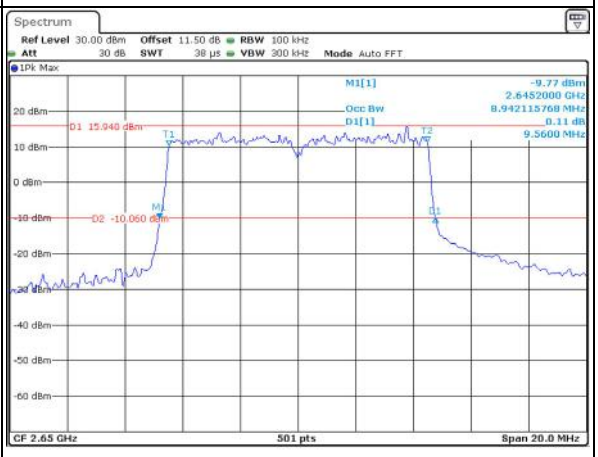
FCC §2.1051, § 27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

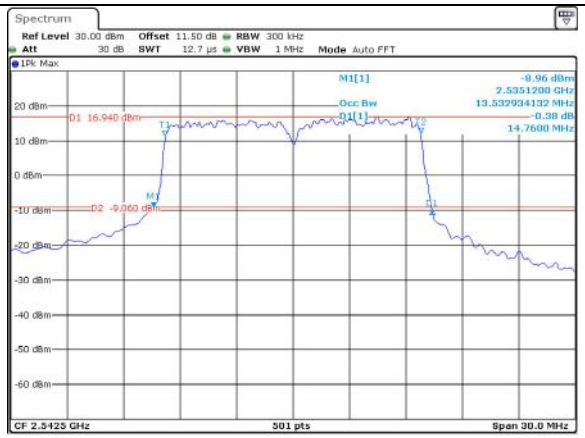
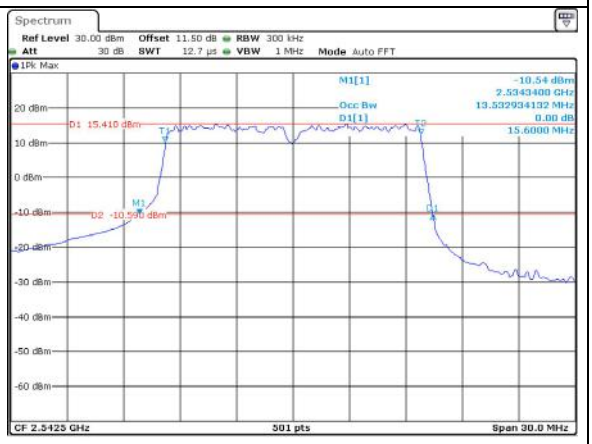
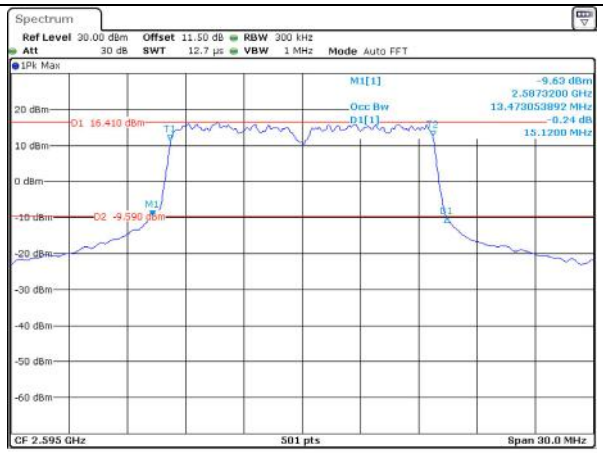
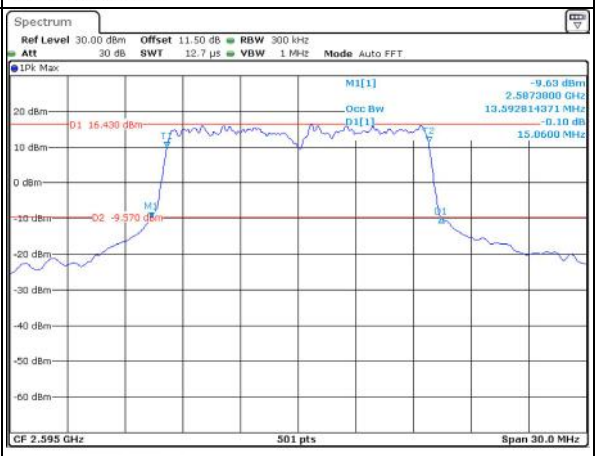
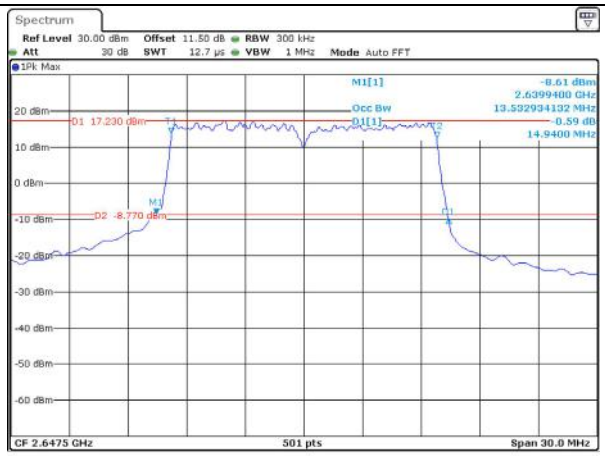
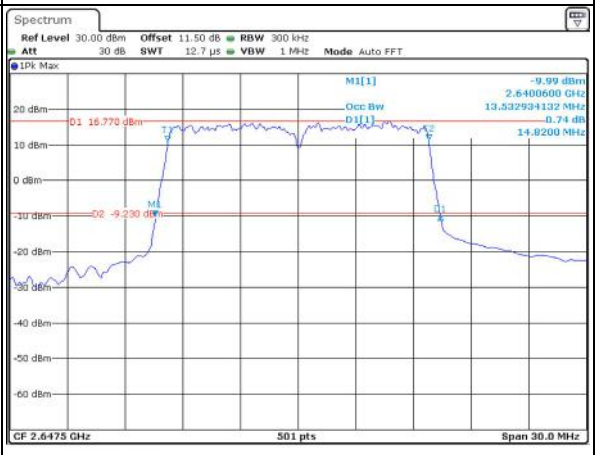
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.024	2535.00	2654.982	2655
	-20	3.85	2535.027	2535.00	2654.984	2655
	-10	3.85	2535.008	2535.00	2654.984	2655
	0	3.85	2535.028	2535.00	2654.981	2655
	10	3.85	2535.019	2535.00	2654.990	2655
	20	3.85	2535.007	2535.00	2654.993	2655
	30	3.85	2535.029	2535.00	2654.981	2655
	40	3.85	2535.021	2535.00	2654.994	2655
	50	3.85	2535.009	2535.00	2654.996	2655
Frequency Stability vs. Voltage	20	3.66	2535.017	2535.00	2654.994	2655
	20	4.24	2535.017	2535.00	2654.997	2655
					Result:	**Pass**

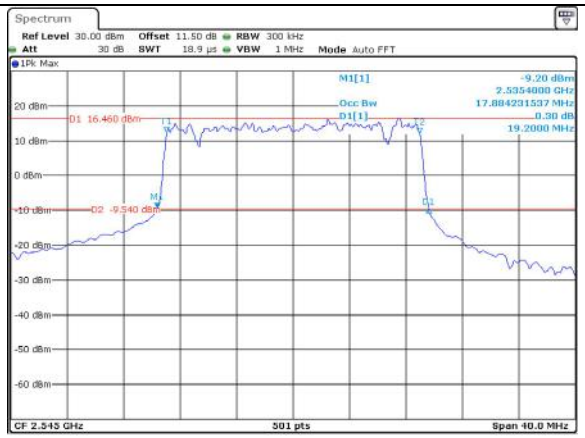
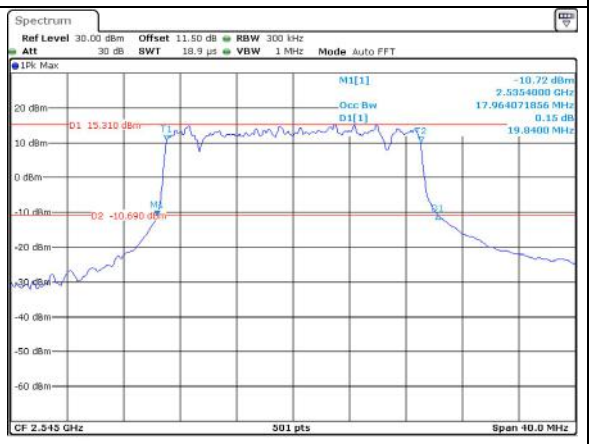
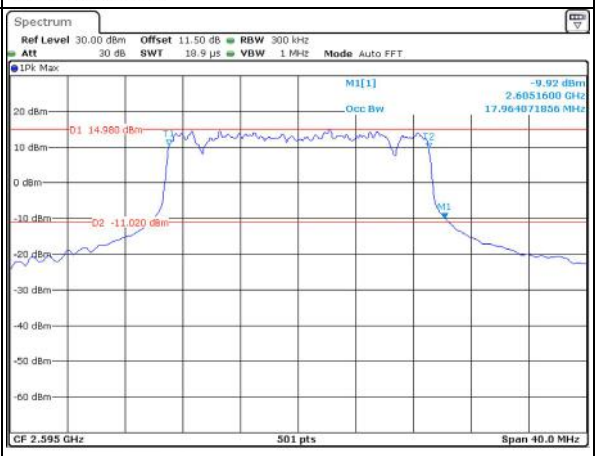
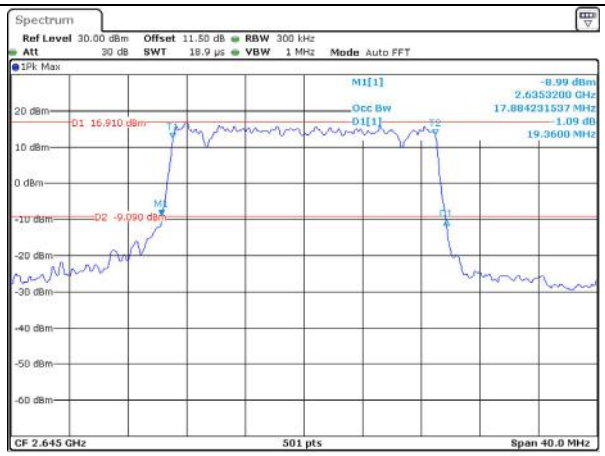
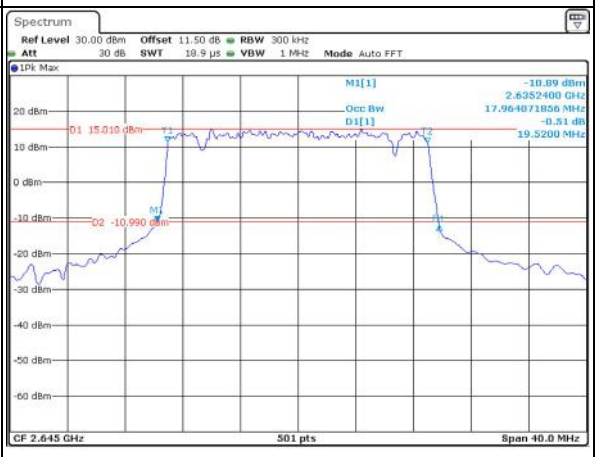
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature(℃)	Voltage(V_{DC})	Lower Edge(MHz)		Upper Edge(MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.011	2535.00	2654.995	2655
	-20	3.85	2535.009	2535.00	2654.997	2655
	-10	3.85	2535.008	2535.00	2654.995	2655
	0	3.85	2535.011	2535.00	2654.999	2655
	10	3.85	2535.008	2535.00	2654.988	2655
	20	3.85	2535.015	2535.00	2654.999	2655
	30	3.85	2535.012	2535.00	2654.995	2655
	40	3.85	2535.001	2535.00	2654.995	2655
	50	3.85	2535.022	2535.00	2654.982	2655
Frequency Stability vs. Voltage	20	3.66	2535.009	2535.00	2654.985	2655
	20	4.24	2535.026	2535.00	2654.984	2655
					Result:	**Pass**

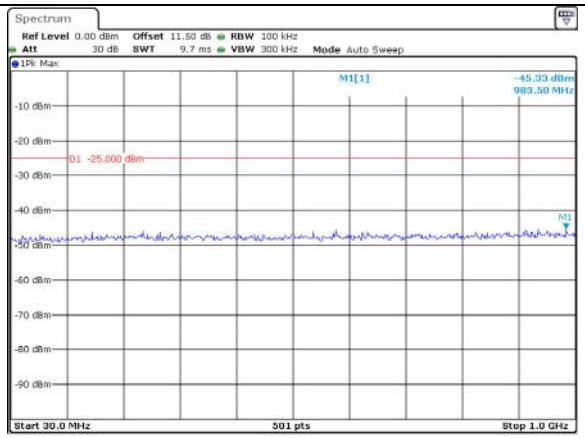
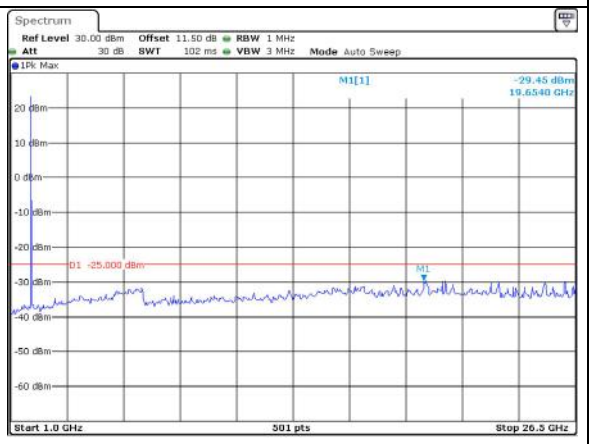
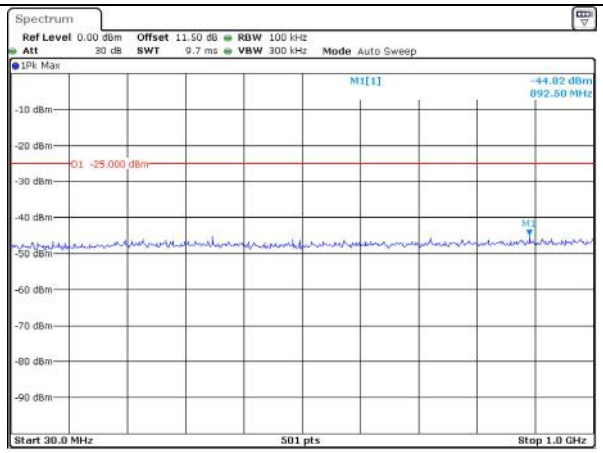
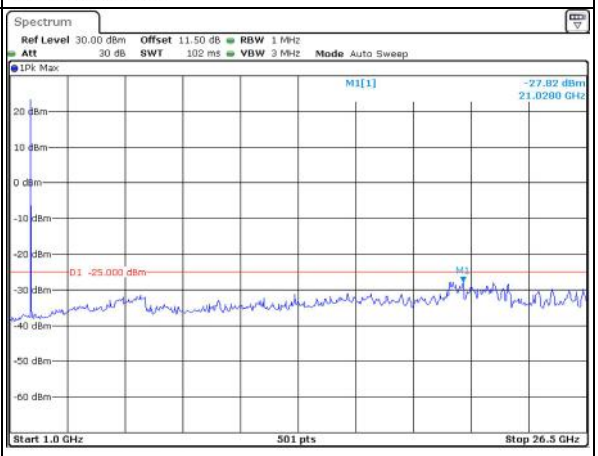
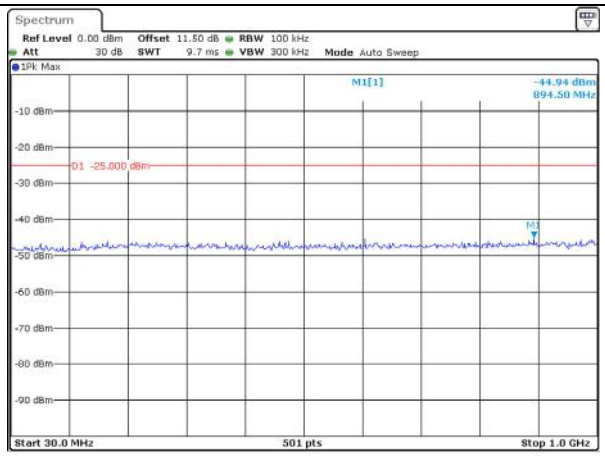
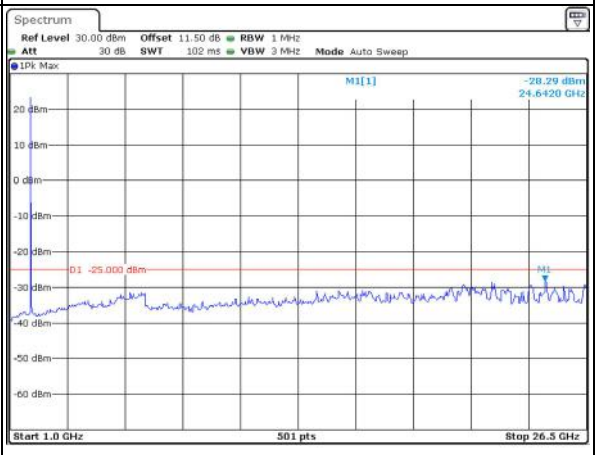
Test Plots (Note: The 11.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

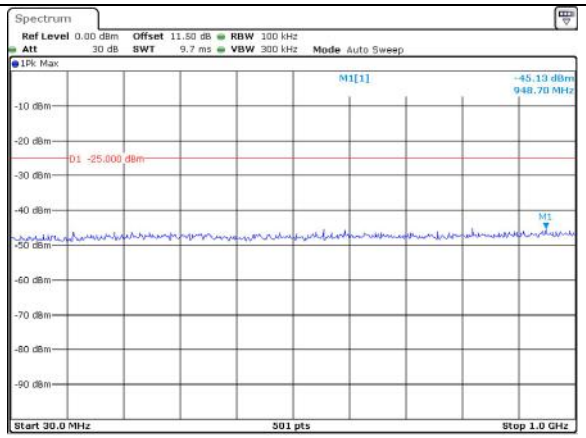
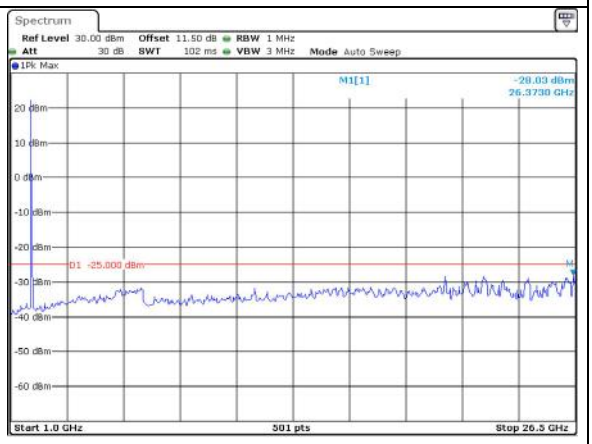
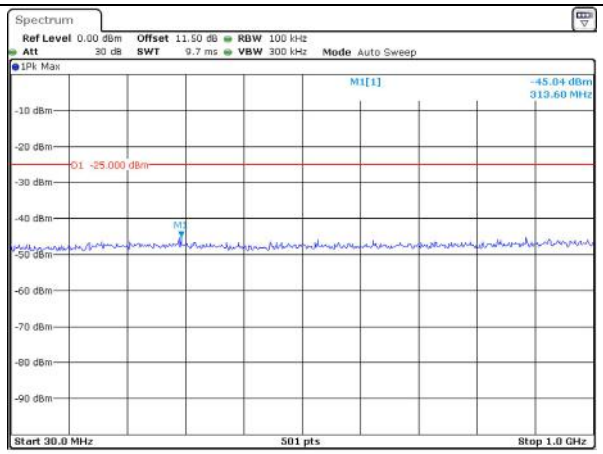
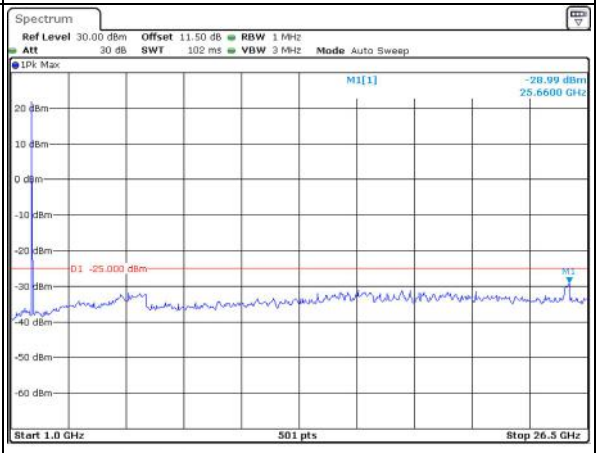
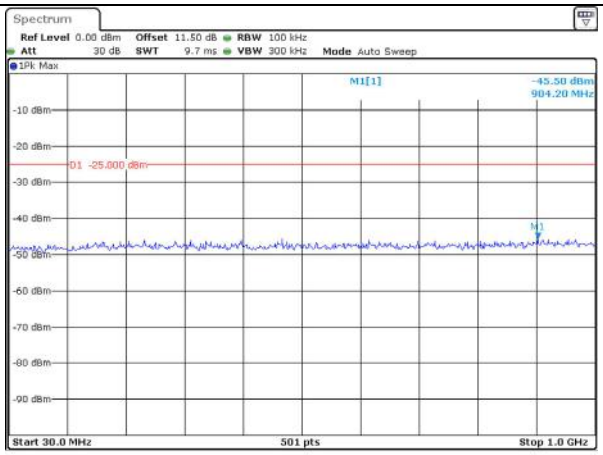
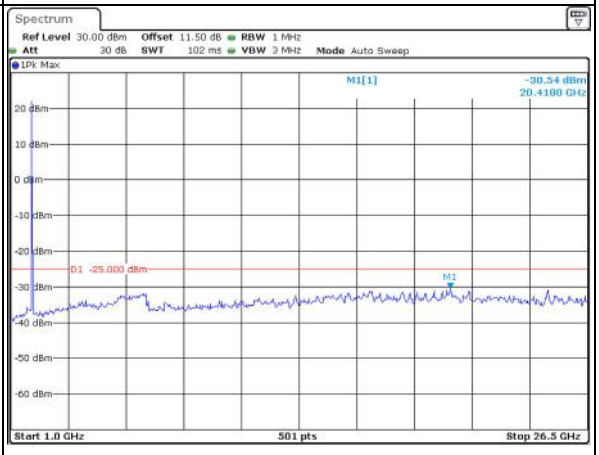
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

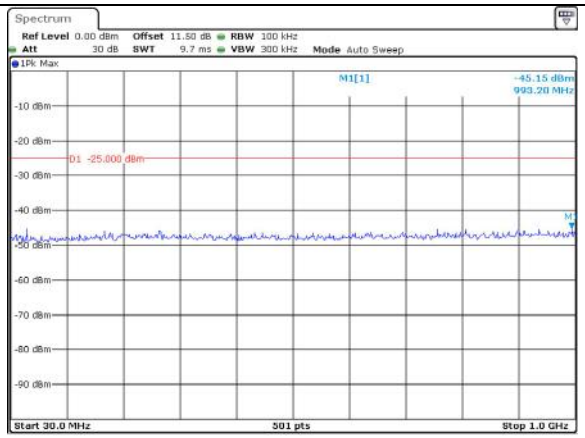
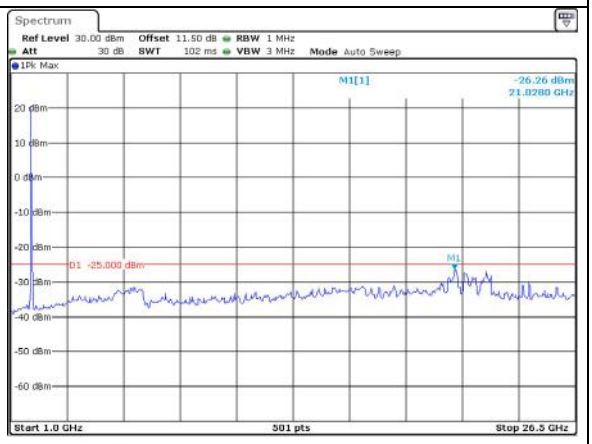
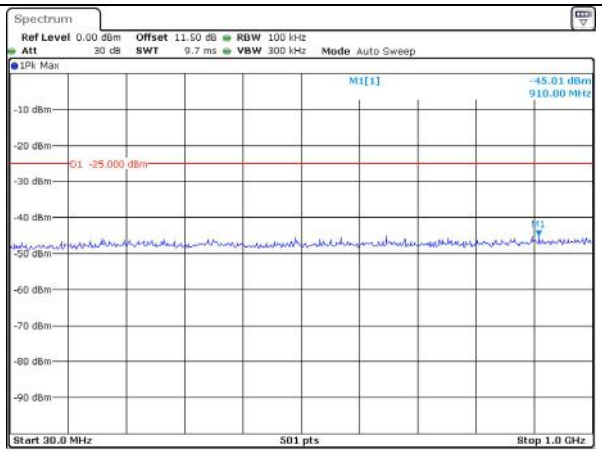
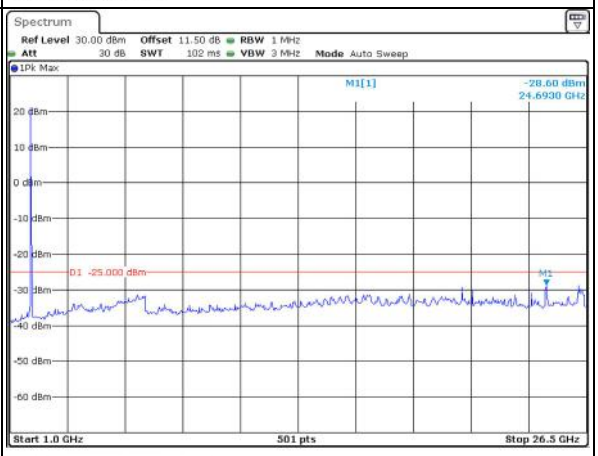
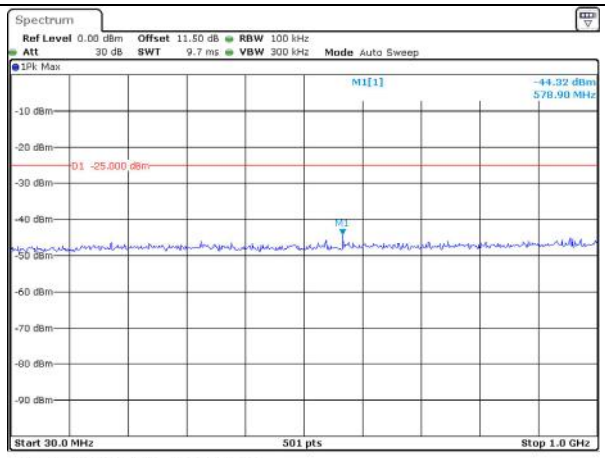
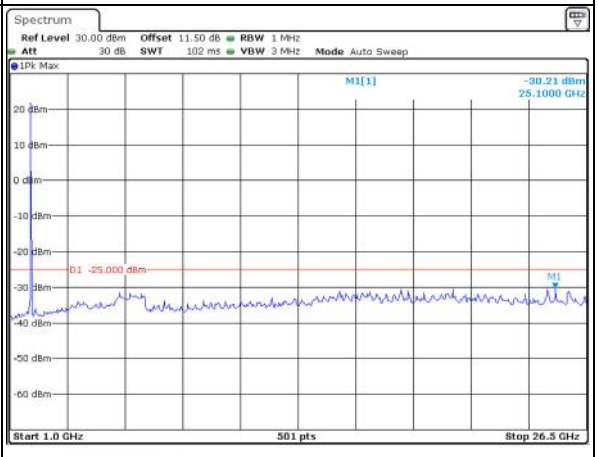
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

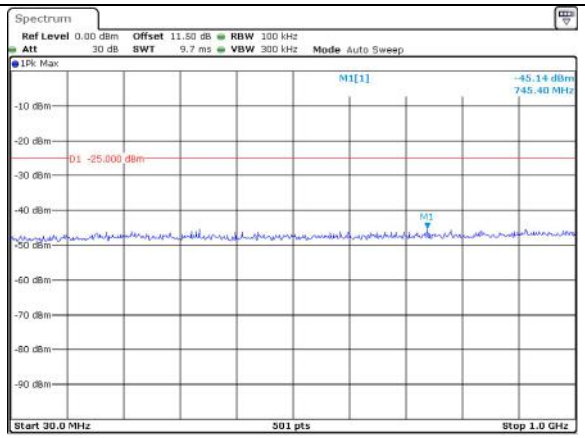
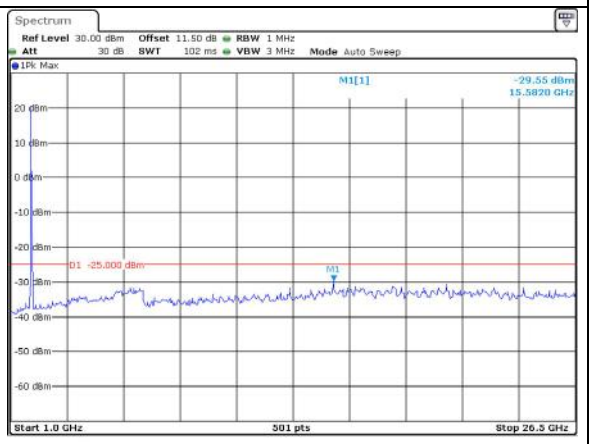
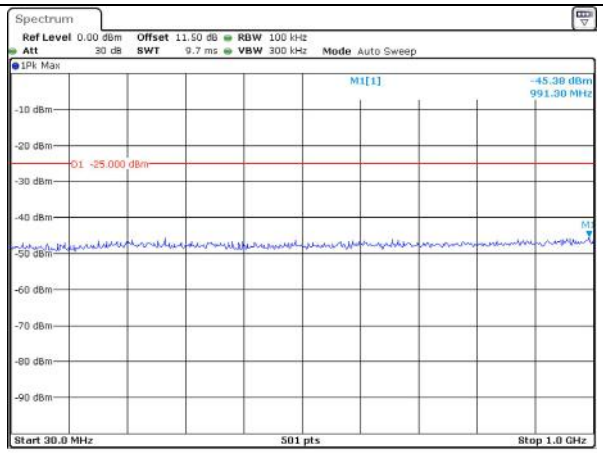
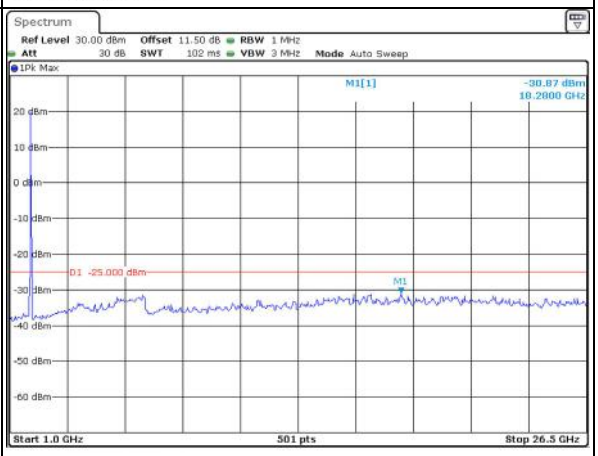
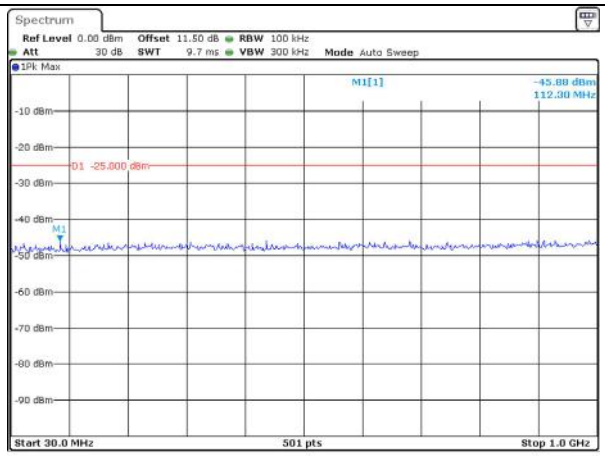
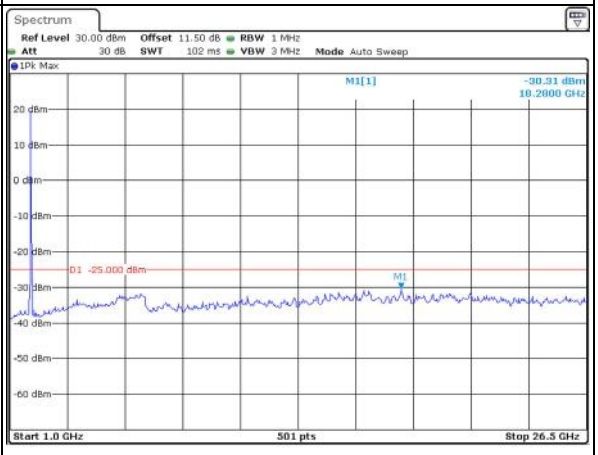
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

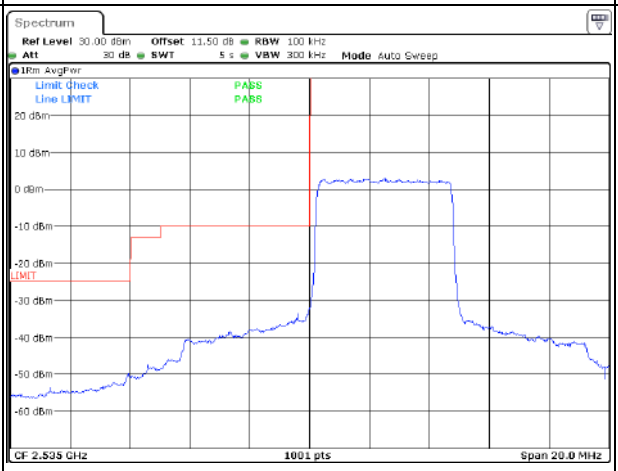
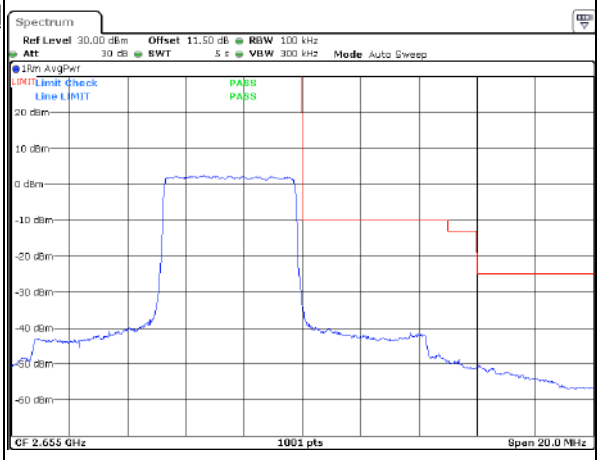
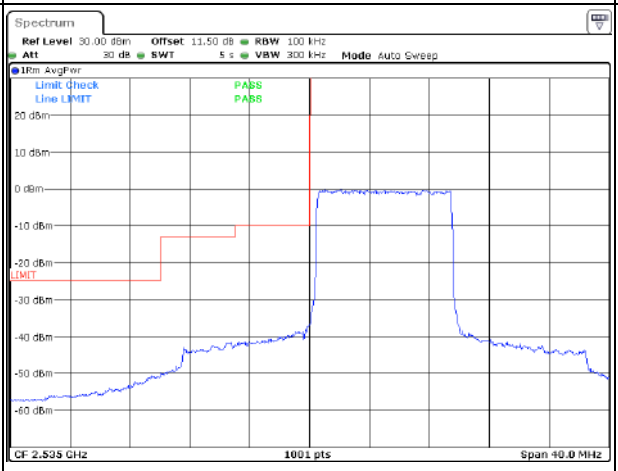
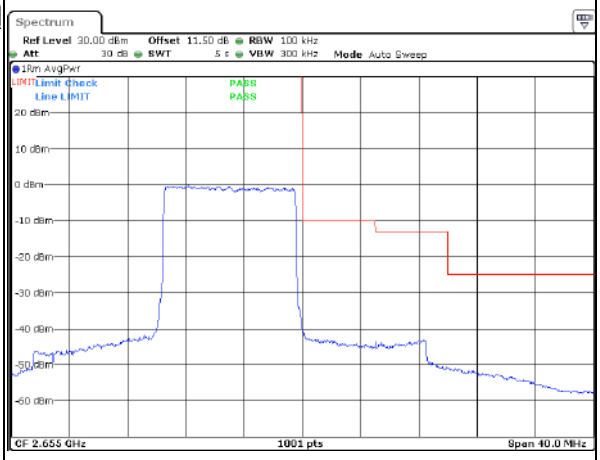
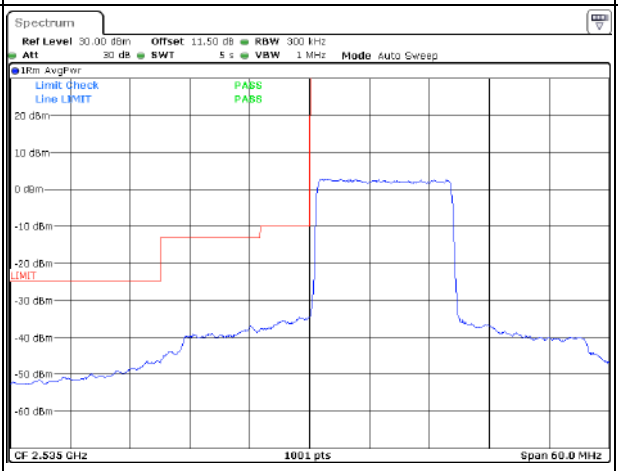
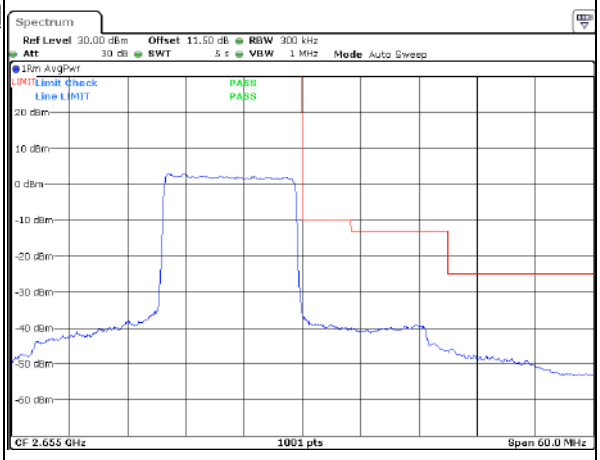
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

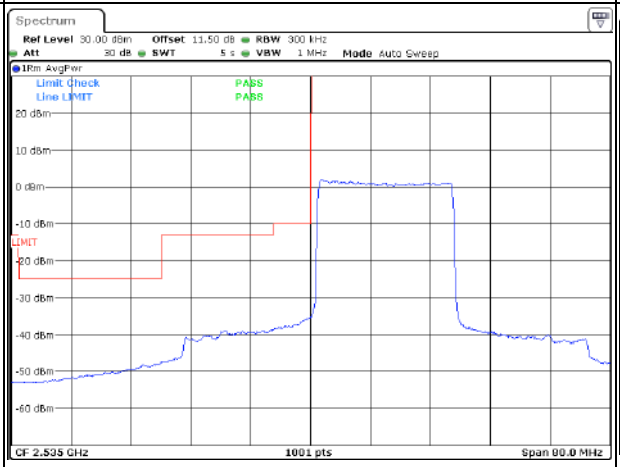
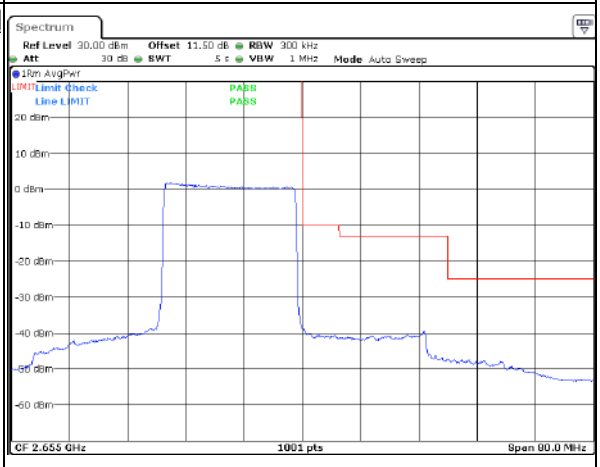
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

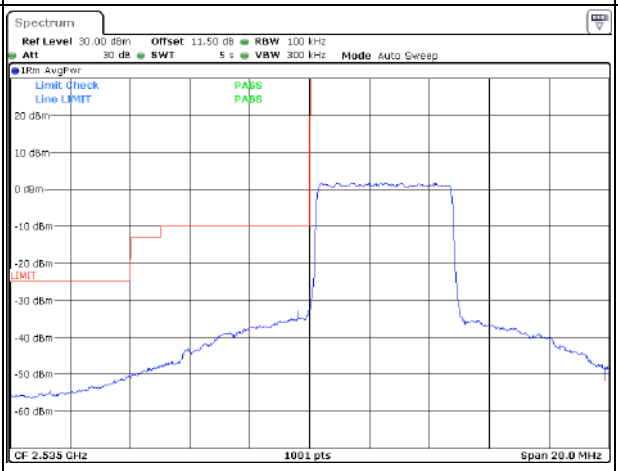
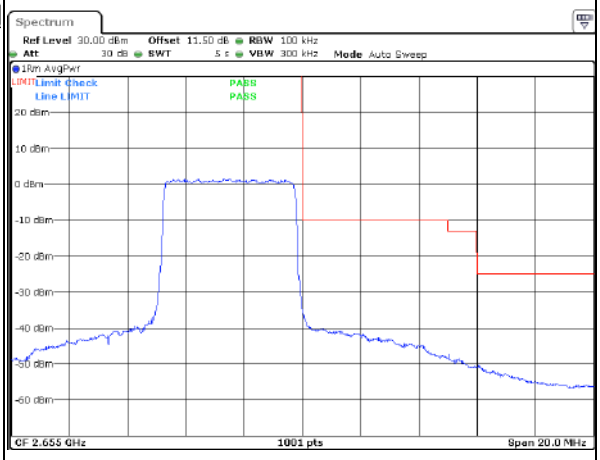
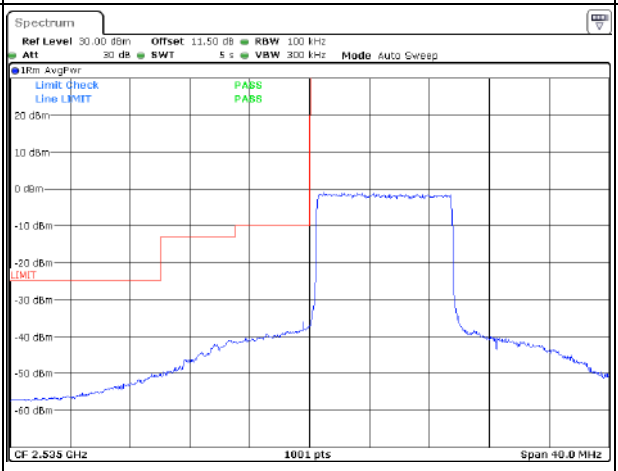
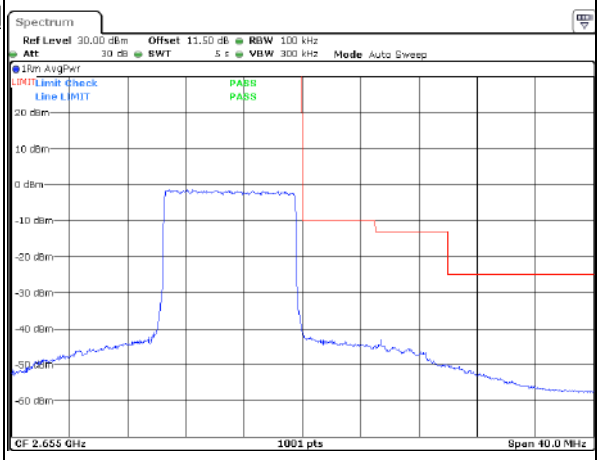
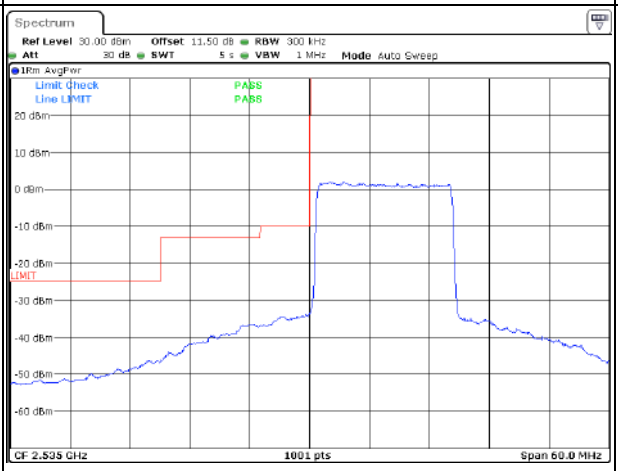
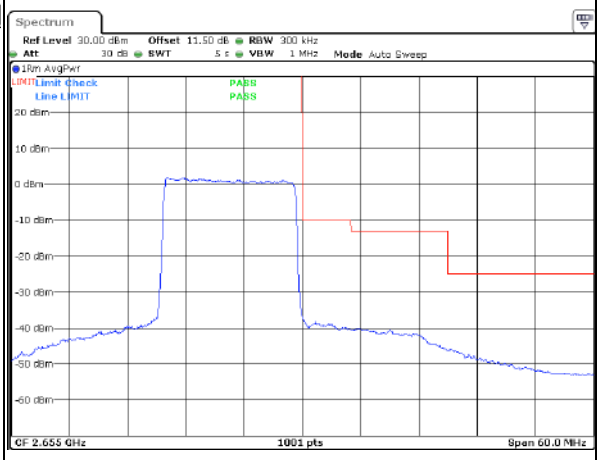
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

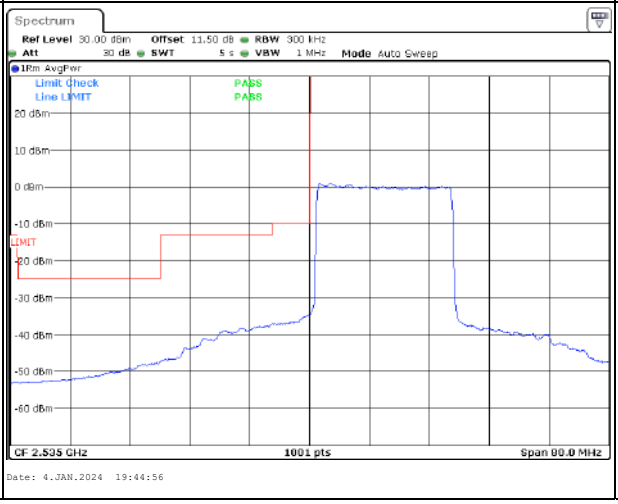
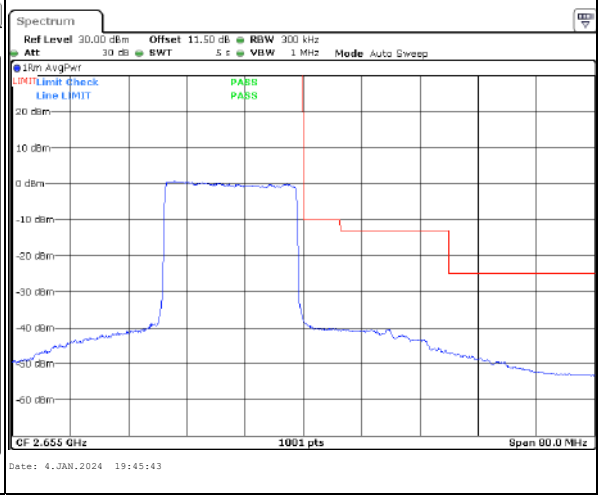
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		
QPSK 10MHz		
QPSK 15MHz		

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

Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
16QAM 5MHz		
16QAM 10MHz		
16QAM 15MHz		

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

4.18 Antenna Port Test Data and Results for LTE Band 66

Serial Number:	294A-2	Test Date:	2023/9/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ken Tang	Test Result:	**Pass**

Environmental Conditions:					
Temperature: (℃)	25.6	Relative Humidity: (%)	57	ATM Pressure: (kPa)	101

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211002	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
Minl-Clrcuits	Power Splitter	ZFRSC-183-S+	S F448201619	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	143458	2023/3/31	2024/3/30
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2022/9/29	2023/9/28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A

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

Test Frequency for Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	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	22.28	22.26	22.10	**21.01**	30
	RB1#3	22.35	22.41	22.27		
	RB1#5	22.28	22.28	22.09		
	RB3#0	22.29	22.26	22.15		
	RB3#3	22.30	22.32	22.07		
	RB6#0	21.32	21.32	21.24		
1.4MHz 16QAM	RB1#0	21.54	21.38	21.16	20.25	30
	RB1#3	21.61	21.65	21.22		
	RB1#5	21.45	21.41	21.11		
	RB3#0	21.32	21.45	21.38		
	RB3#3	21.32	21.44	21.27		
	RB6#0	20.47	20.26	20.27		
3MHz QPSK	RB1#0	22.39	22.38	22.27	21.01	30
	RB1#8	22.41	22.37	22.24		
	RB1#14	22.36	22.34	22.23		
	RB6#0	21.32	21.43	21.28		
	RB6#9	21.41	21.39	21.27		
	RB15#0	21.43	21.43	21.30		
3MHz 16QAM	RB1#0	21.49	21.95	21.38	20.61	30
	RB1#8	21.47	22.01	21.45		
	RB1#14	21.47	21.87	21.40		
	RB6#0	20.29	20.52	20.32		
	RB6#9	20.40	20.50	20.33		
	RB15#0	20.51	20.53	20.28		
5MHz QPSK	RB1#0	22.39	22.35	22.21	21.01	30
	RB1#13	22.39	22.37	22.25		
	RB1#24	22.41	22.31	22.24		
	RB15#0	21.47	21.36	21.22		
	RB15#10	21.48	21.43	21.29		
	RB25#0	21.47	21.34	21.25		
5MHz 16QAM	RB1#0	21.50	21.27	21.61	20.24	30
	RB1#13	21.56	21.36	21.64		
	RB1#24	21.53	21.32	21.57		
	RB15#0	20.53	20.39	20.25		
	RB15#10	20.50	20.46	20.30		
	RB25#0	20.50	20.42	20.26		
10MHz QPSK	RB1#0	22.35	22.34	22.21	20.97	30

	RB1#25	22.33	22.37	22.22		
	RB1#49	22.31	22.36	22.13		
	RB25#0	21.41	21.36	21.28		
	RB25#25	21.47	21.44	21.36		
	RB50#0	21.48	21.40	21.37		
10MHz 16QAM	RB1#0	21.40	22.05	21.38	**20.65**	30
	RB1#25	21.56	22.00	21.36		
	RB1#49	21.50	21.93	21.42		
	RB25#0	20.41	20.43	20.34		
	RB25#25	20.49	20.50	20.41		
	RB50#0	20.50	20.38	20.36		
15MHz QPSK	RB1#0	22.22	22.18	22.13	20.84	30
	RB1#38	22.24	22.23	22.12		
	RB1#74	22.16	22.24	22.13		
	RB36#0	21.27	21.24	21.18		
	RB36#39	21.32	21.31	21.23		
	RB75#0	21.30	21.23	21.16		
15MHz 16QAM	RB1#0	21.65	21.86	21.44	20.48	30
	RB1#38	21.73	21.88	21.41		
	RB1#74	21.62	21.86	21.43		
	RB36#0	20.27	20.27	20.20		
	RB36#39	20.32	20.34	20.27		
	RB75#0	20.29	20.22	20.21		
20MHz QPSK	RB1#0	22.19	22.24	22.19	20.86	30
	RB1#50	22.18	22.26	22.12		
	RB1#99	22.20	22.23	22.21		
	RB50#0	21.26	21.24	21.18		
	RB50#50	21.27	21.31	21.23		
	RB100#0	21.29	21.26	21.27		
20MHz 16QAM	RB1#0	21.84	21.63	21.46	20.44	30
	RB1#50	21.80	21.58	21.39		
	RB1#99	21.80	21.62	21.44		
	RB50#0	20.27	20.24	20.18		
	RB50#50	20.18	20.31	20.20		
	RB100#0	20.32	20.33	20.28		
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	9.50	8.09	7.68	13
	RB100#0	6.63	9.45	7.41	13
20MHz 16QAM	RB1#0	6.87	8.00	9.58	13
	RB100#0	8.30	7.27	8.95	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	1.09	1.084	1.078	1.21	1.212	1.212
1.4MHz 16QAM	1.078	1.096	1.078	1.200	1.248	1.206
3MHz QPSK	2.683	2.683	2.695	2.964	2.952	2.940
3MHz 16QAM	2.683	2.683	2.683	2.952	2.976	2.964
5MHz QPSK	4.511	4.511	4.511	4.980	5.000	5.020
5MHz 16QAM	4.511	4.511	4.531	5.020	5.000	5.000
10MHz QPSK	8.982	8.942	8.942	9.760	9.680	9.680
10MHz 16QAM	8.942	8.942	8.982	9.680	9.680	9.680
15MHz QPSK	13.533	13.413	13.413	14.820	14.640	14.640
15MHz 16QAM	13.473	13.473	13.413	14.700	14.700	14.640
20MHz QPSK	17.964	17.884	17.804	19.440	19.280	19.280
20MHz 16QAM	17.964	17.884	17.884	19.520	19.520	19.200
Note: The test plots please refer to the Plots of Occupied Bandwidth						

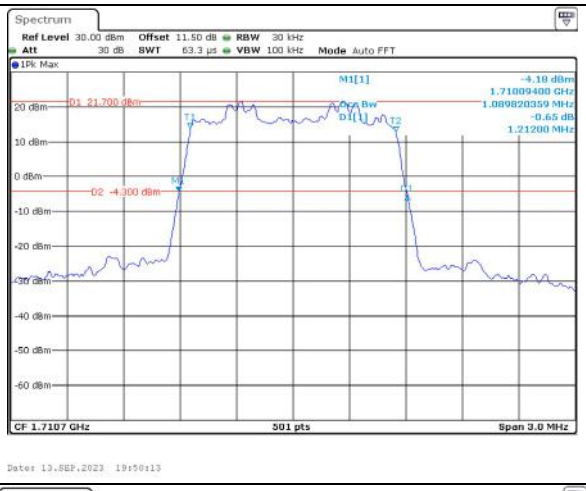
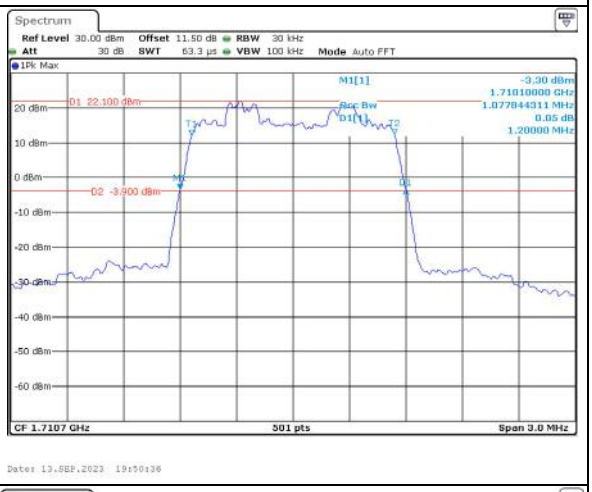
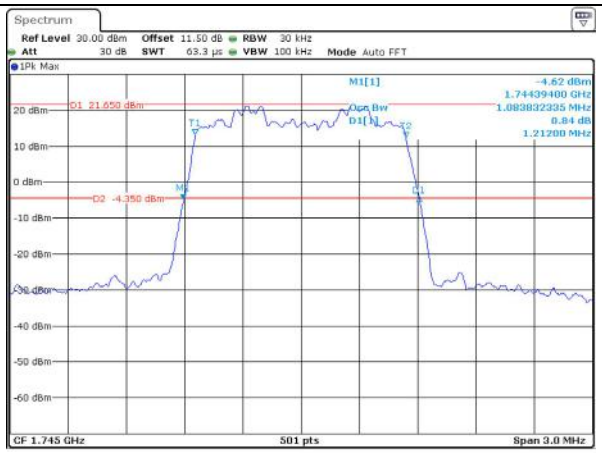
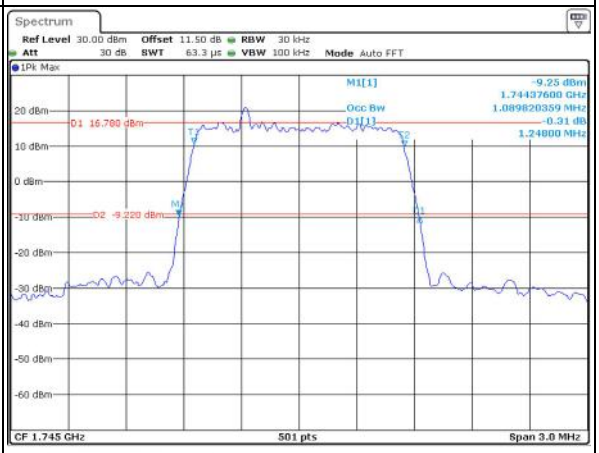
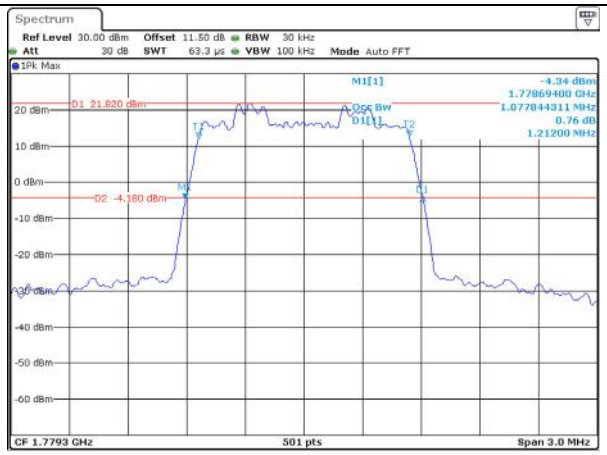
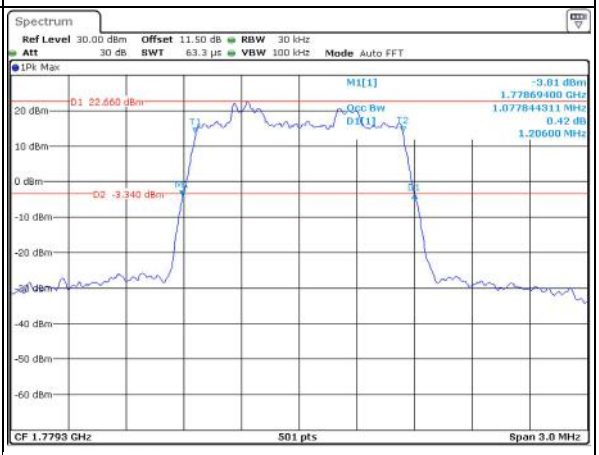
FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

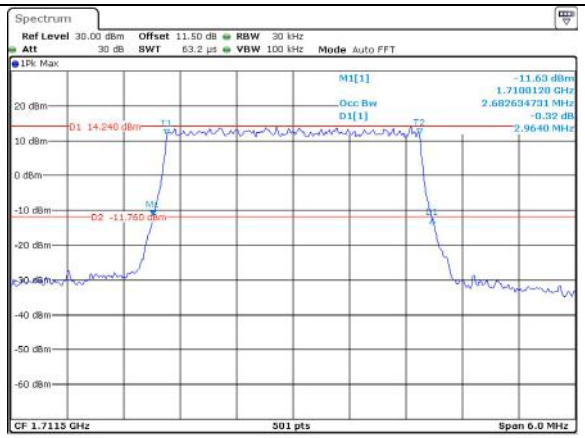
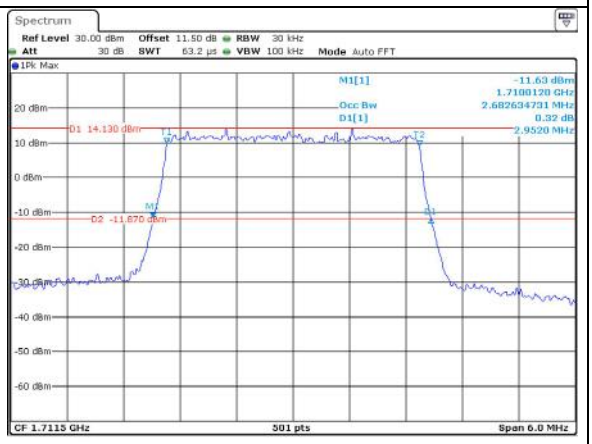
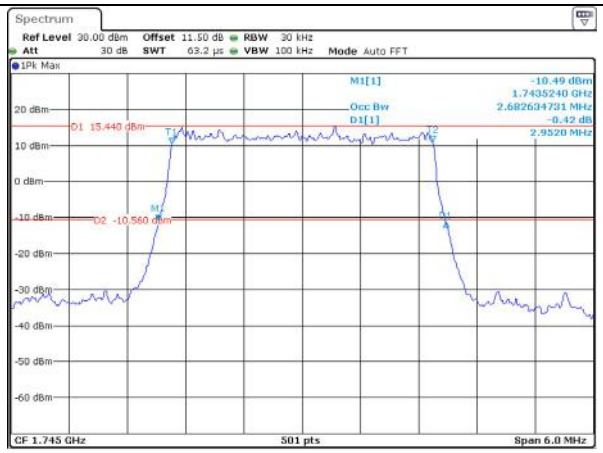
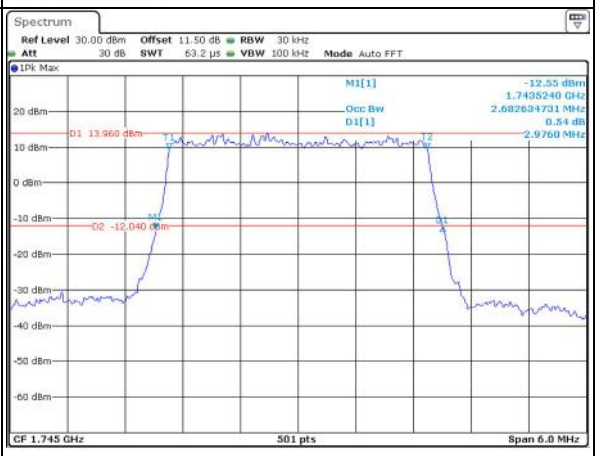
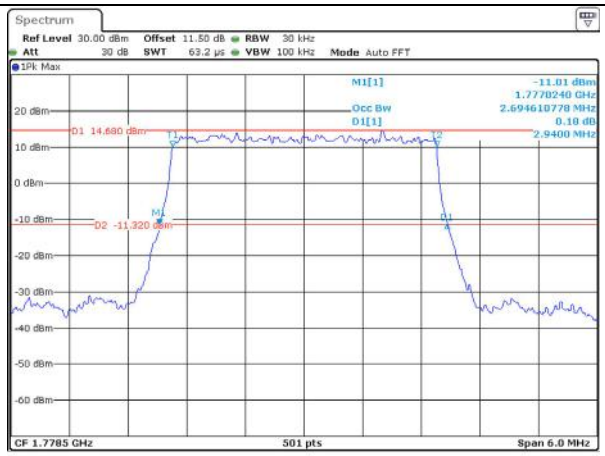
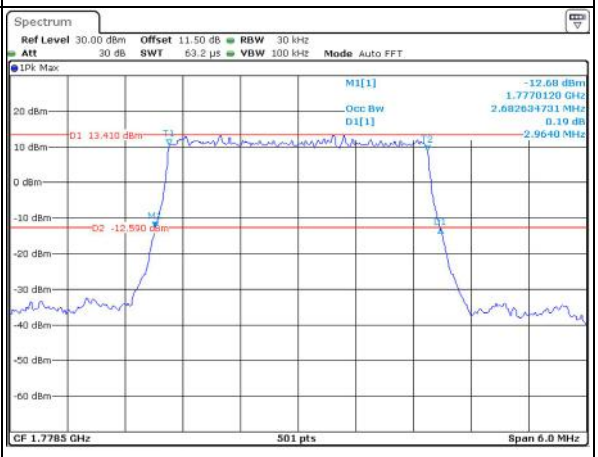
FCC §2.1051, § 27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

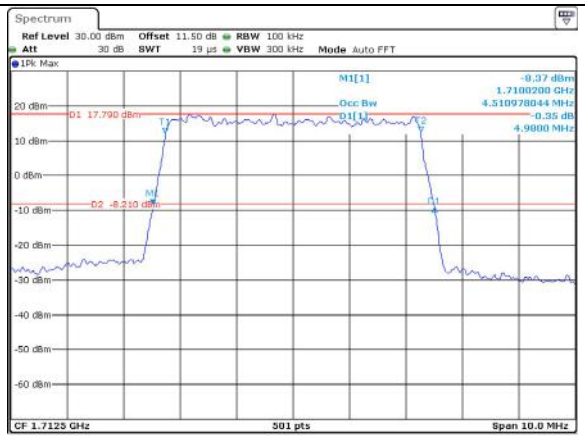
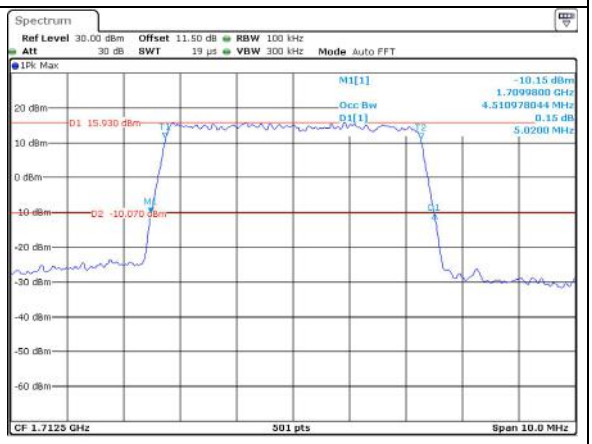
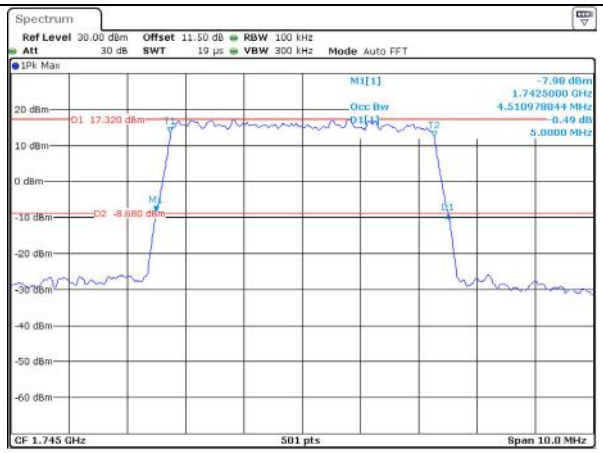
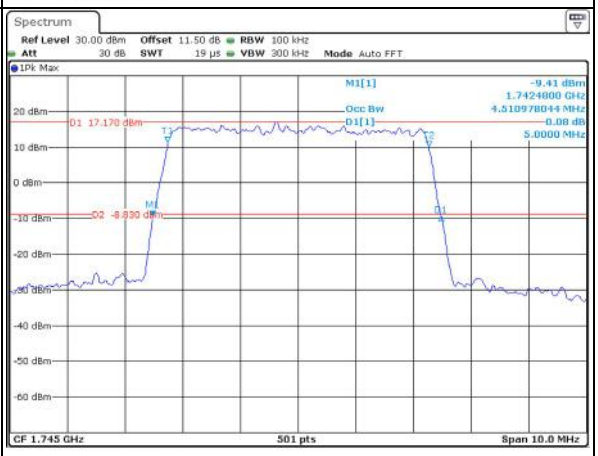
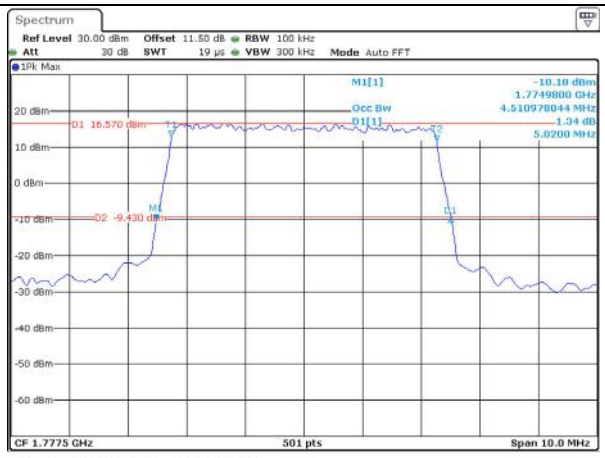
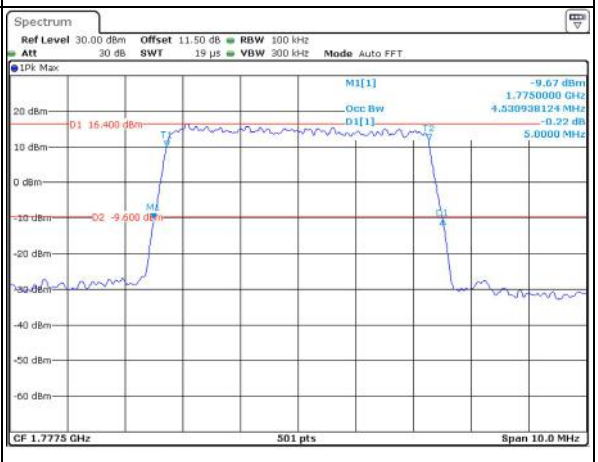
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	1710.001	1710.00	1779.993	1780
	-20	3.85	1710.027	1710.00	1779.983	1780
	-10	3.85	1710.006	1710.00	1779.988	1780
	0	3.85	1710.018	1710.00	1779.988	1780
	10	3.85	1710.011	1710.00	1779.978	1780
	20	3.85	1710.016	1710.00	1779.977	1780
	30	3.85	1710.030	1710.00	1779.988	1780
	40	3.85	1710.008	1710.00	1779.998	1780
	50	3.85	1710.006	1710.00	1779.971	1780
Frequency Stability vs. Voltage	20	3.66	1710.019	1710.00	1779.972	1780
	20	4.24	1710.001	1710.00	1779.999	1780
					Result:	**Pass**

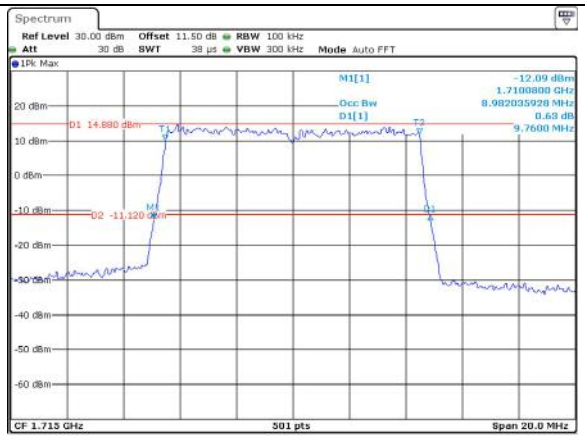
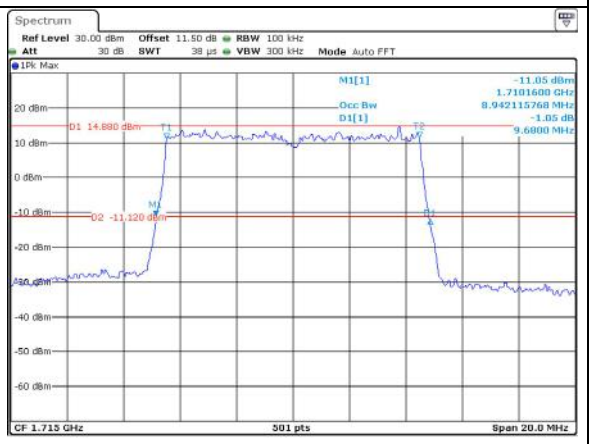
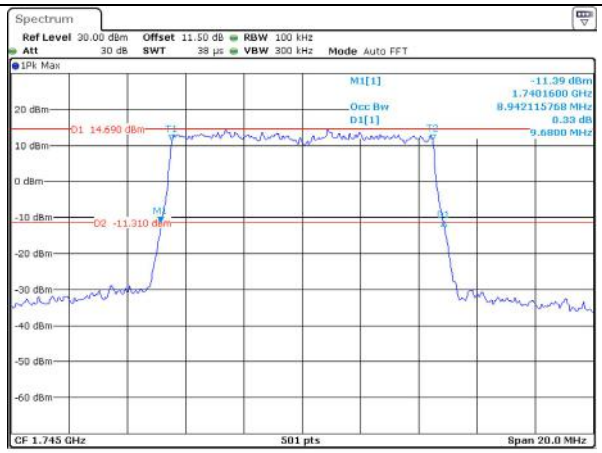
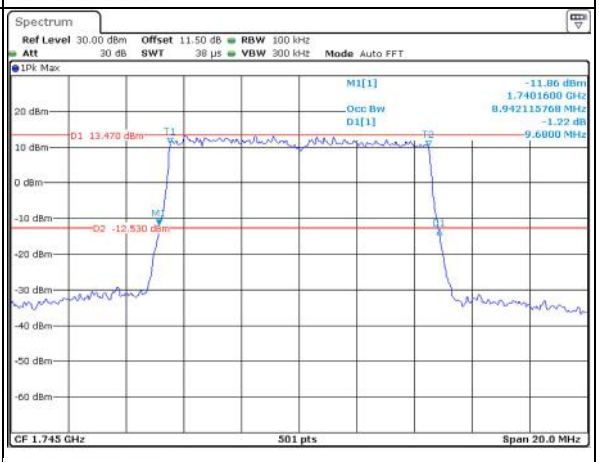
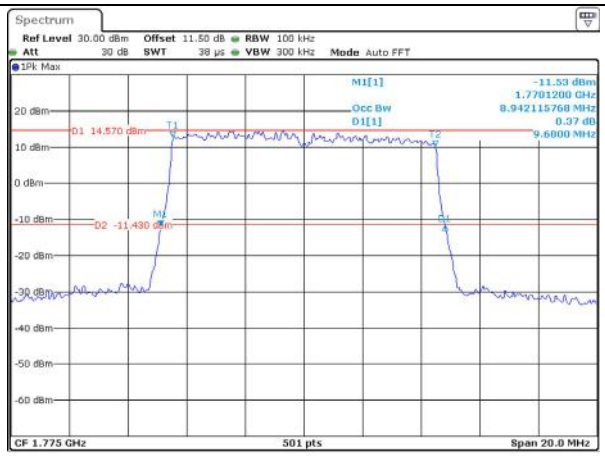
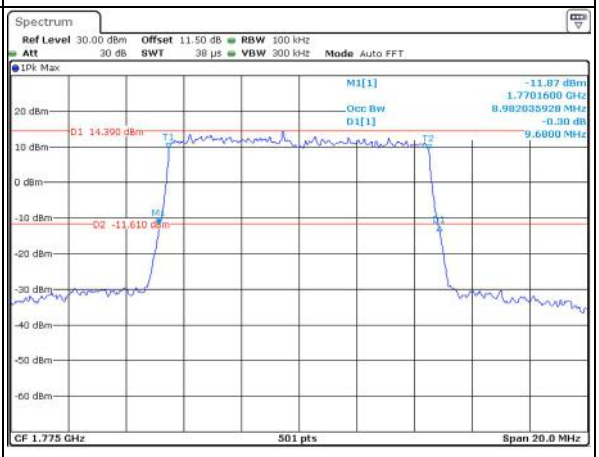
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	1710.002	1710.00	1779.984	1780
	-20	3.85	1710.010	1710.00	1779.987	1780
	-10	3.85	1710.005	1710.00	1779.631	1780
	0	3.85	1710.026	1710.00	1779.988	1780
	10	3.85	1710.020	1710.00	1779.989	1780
	20	3.85	1710.018	1710.00	1779.975	1780
	30	3.85	1710.020	1710.00	1779.994	1780
	40	3.85	1710.024	1710.00	1779.986	1780
	50	3.85	1710.022	1710.00	1779.986	1780
Frequency Stability vs. Voltage	20	3.66	1710.001	1710.00	1779.988	1780
	20	4.24	1710.025	1710.00	1779.990	1780
					Result:	**Pass**

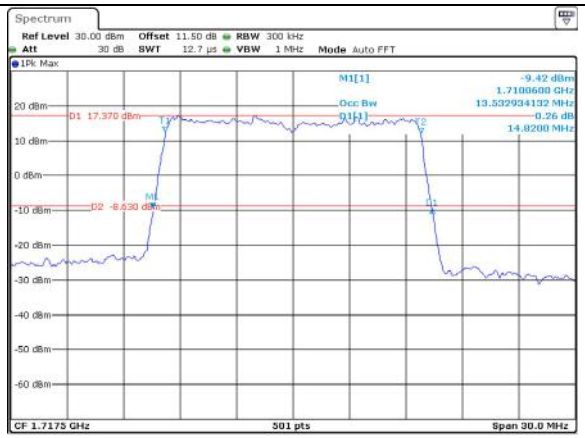
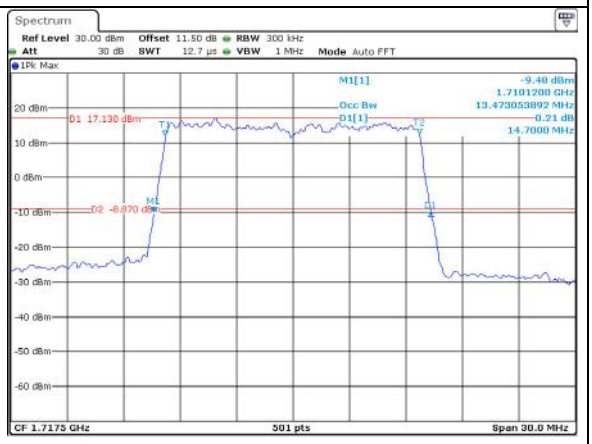
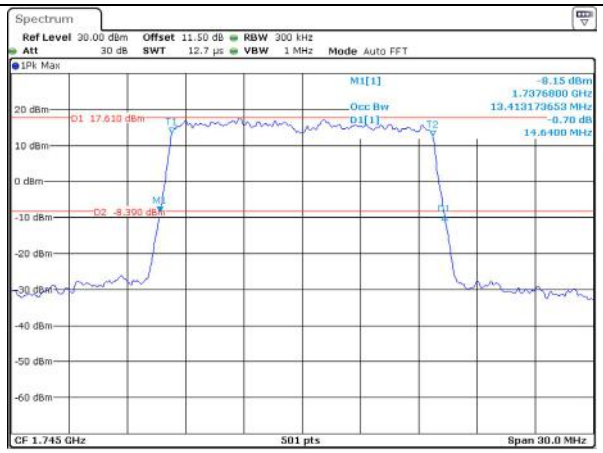
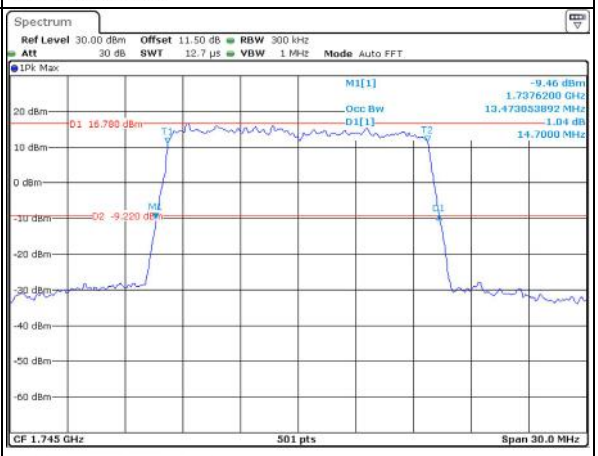
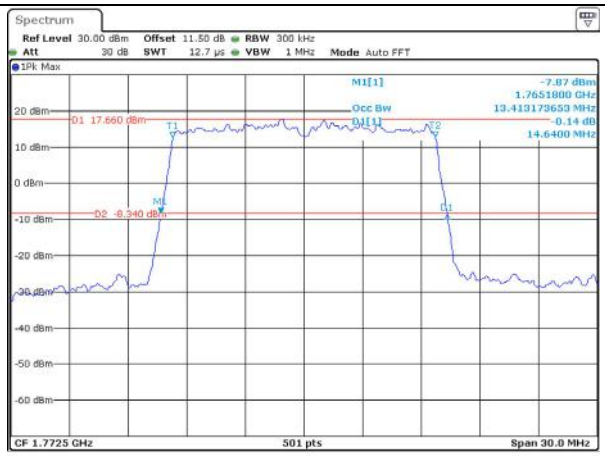
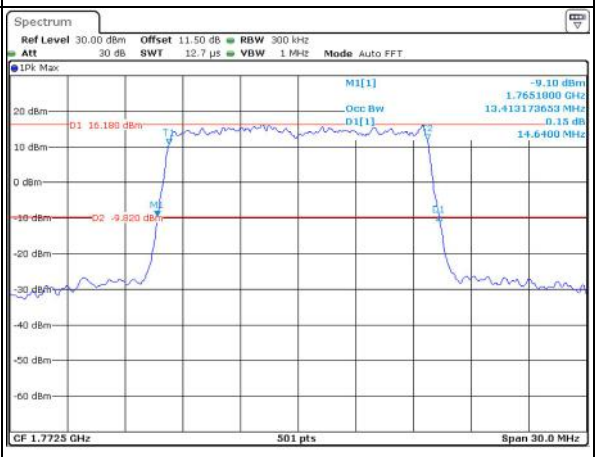
Test Plots (Note: The 11.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

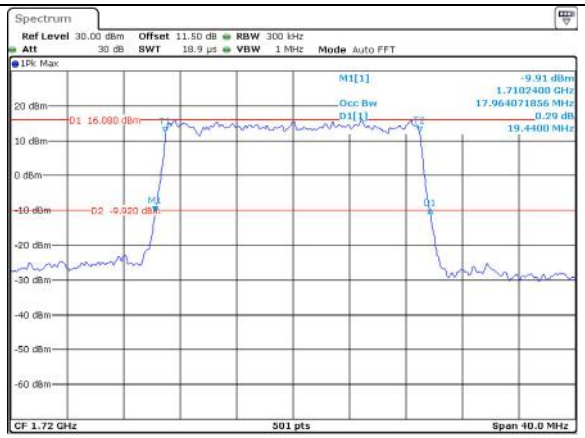
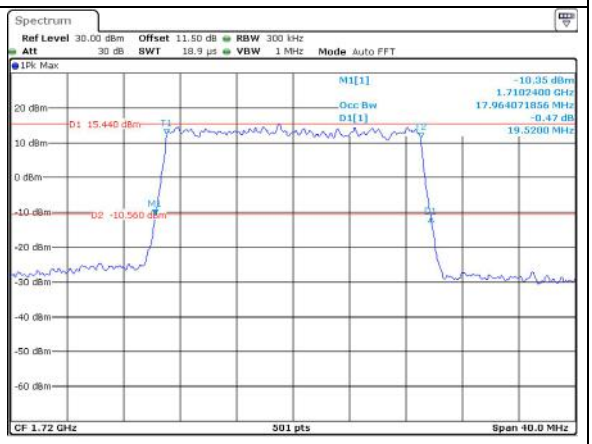
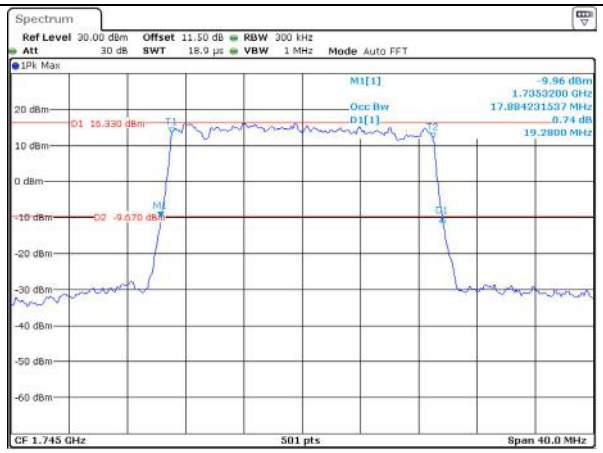
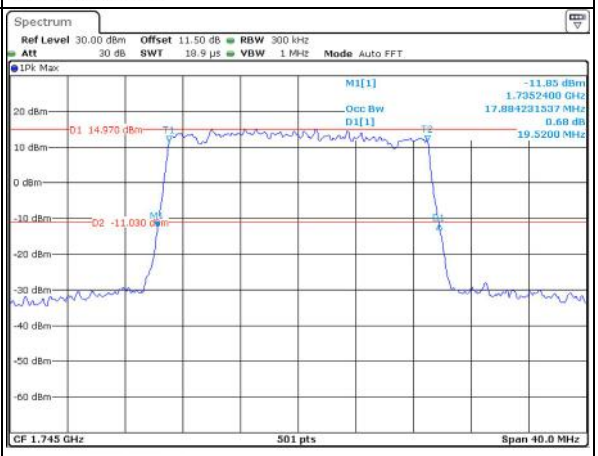
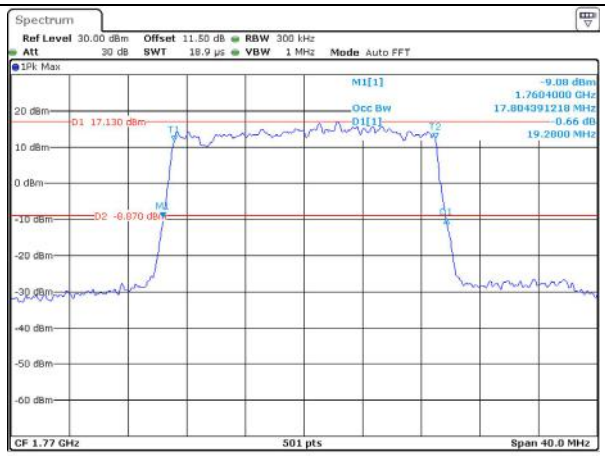
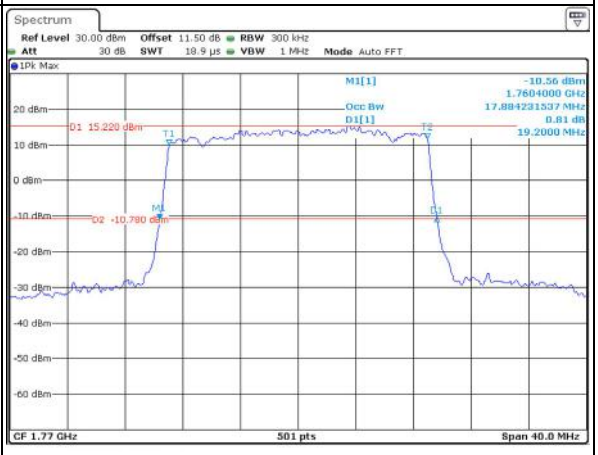
Occupied Bandwidth		
Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

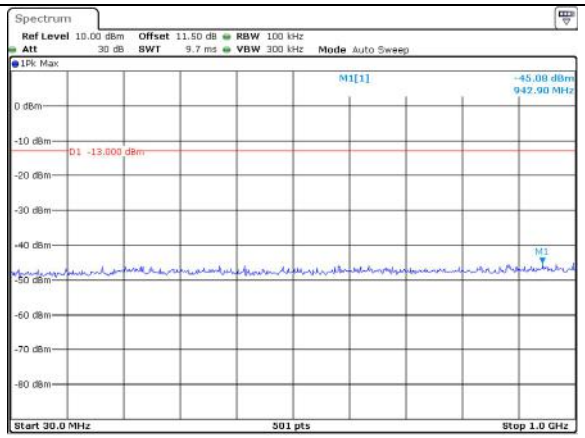
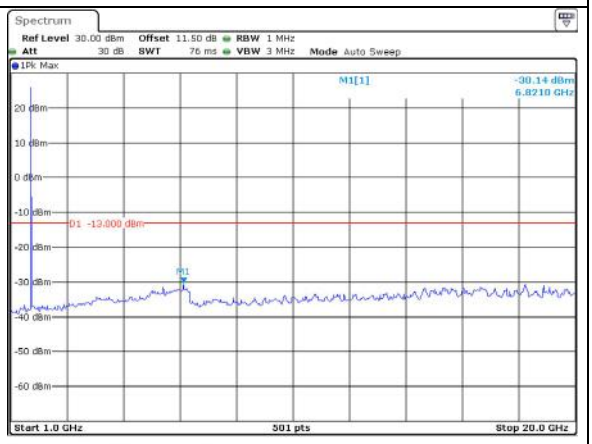
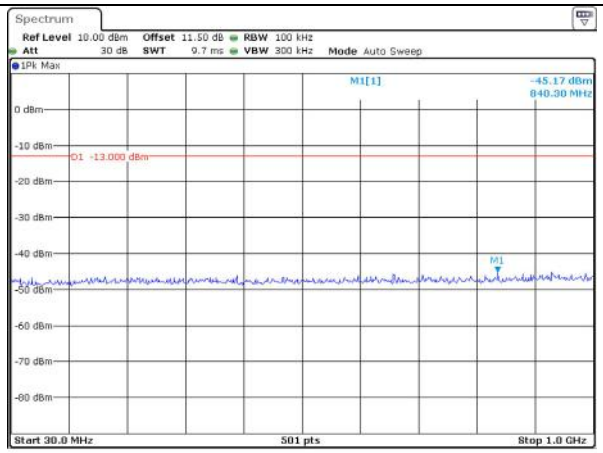
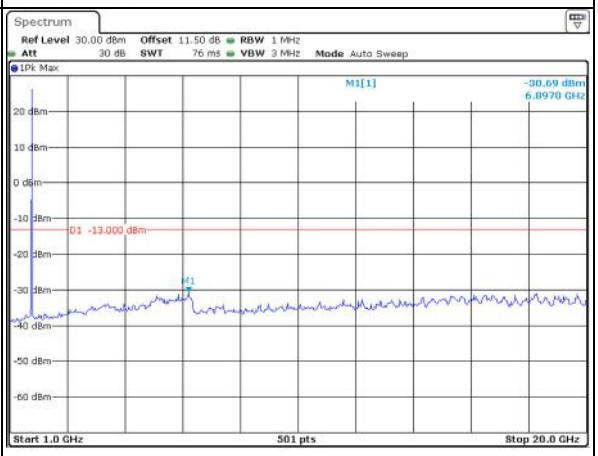
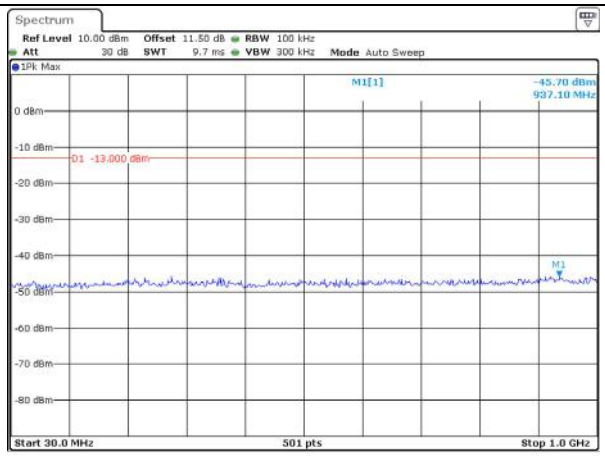
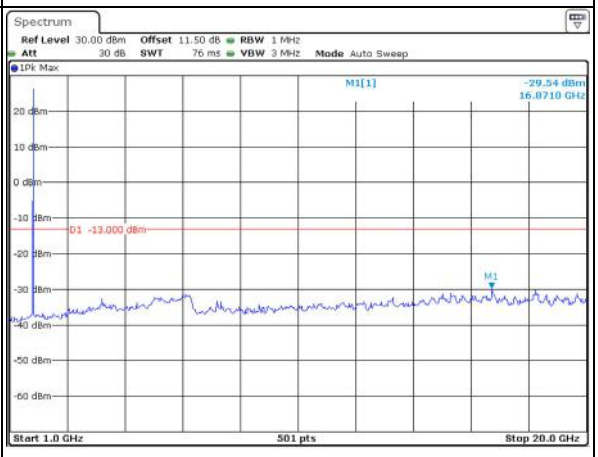
Occupied Bandwidth		
Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

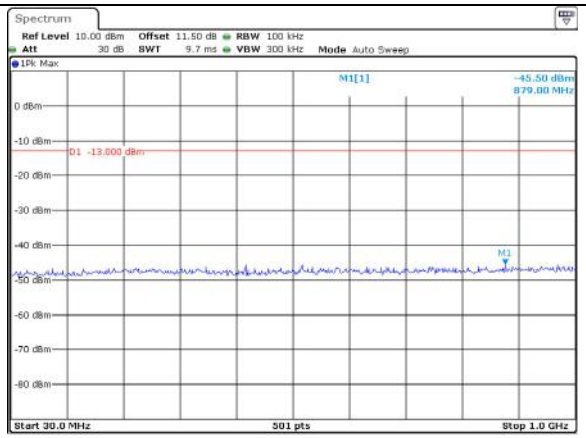
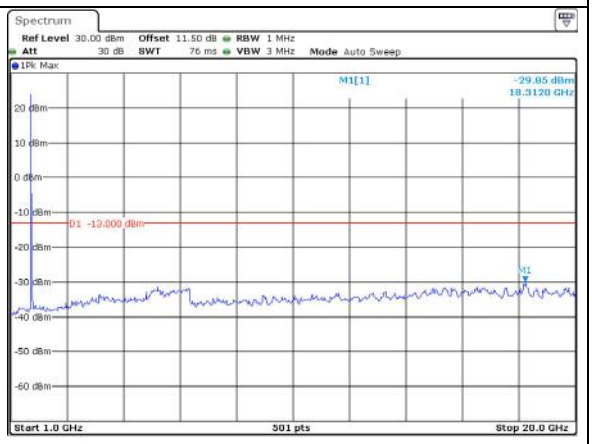
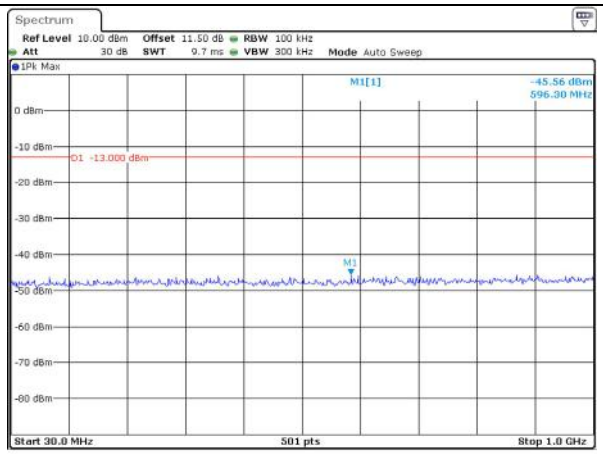
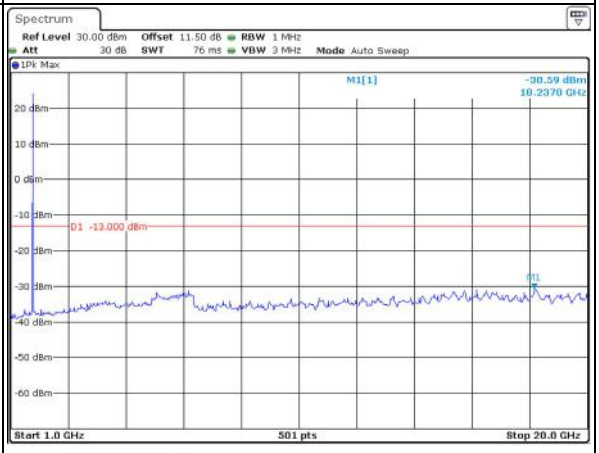
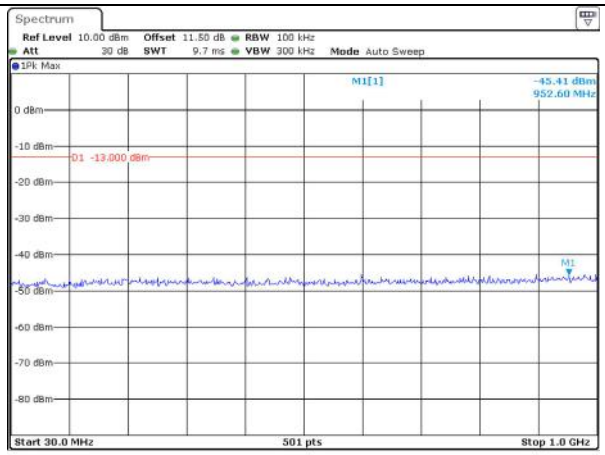
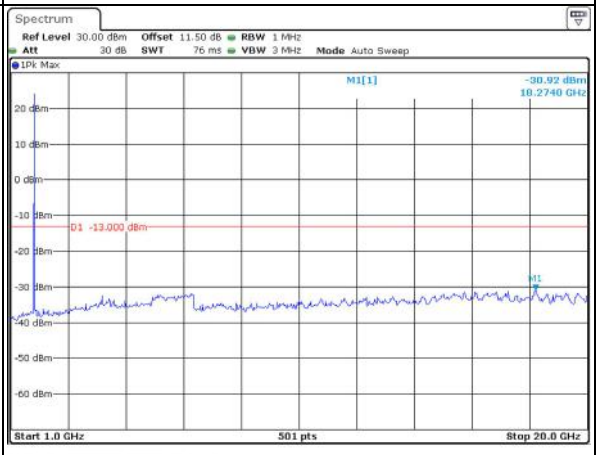
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

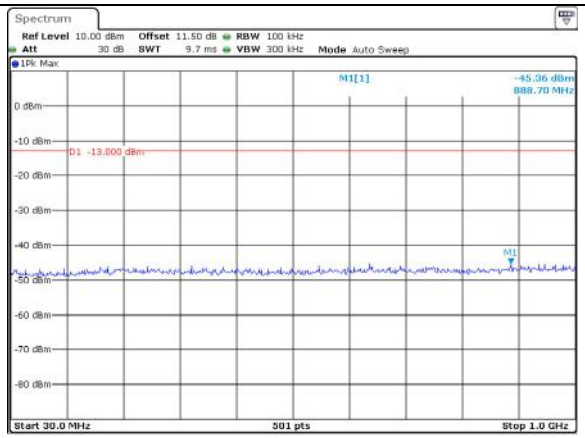
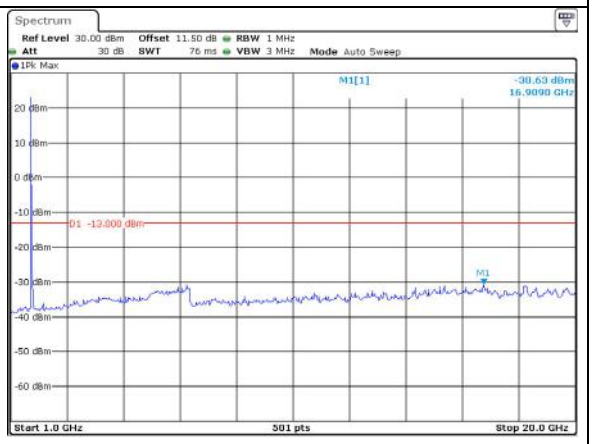
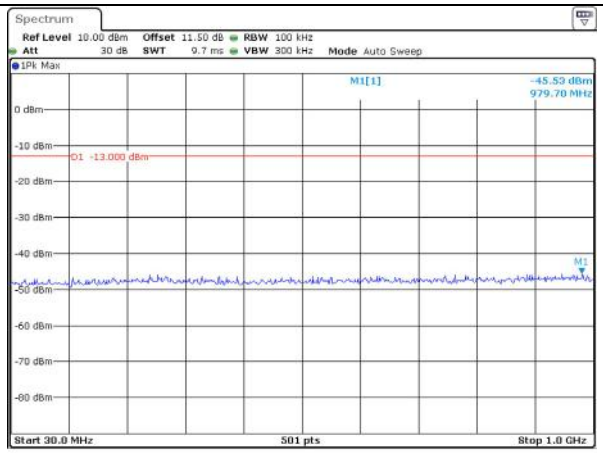
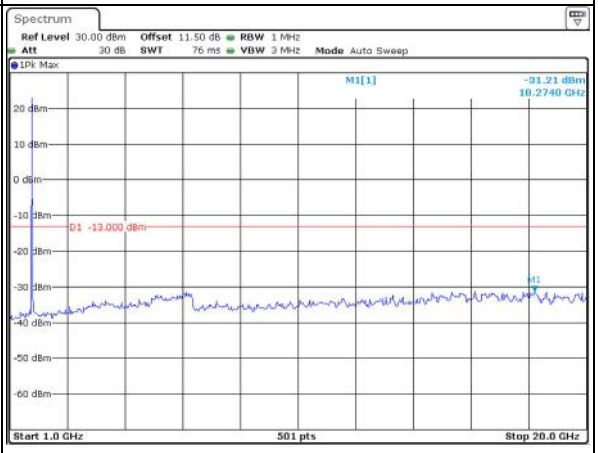
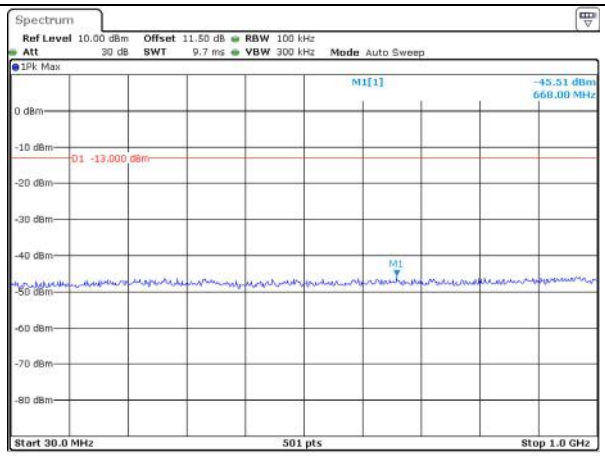
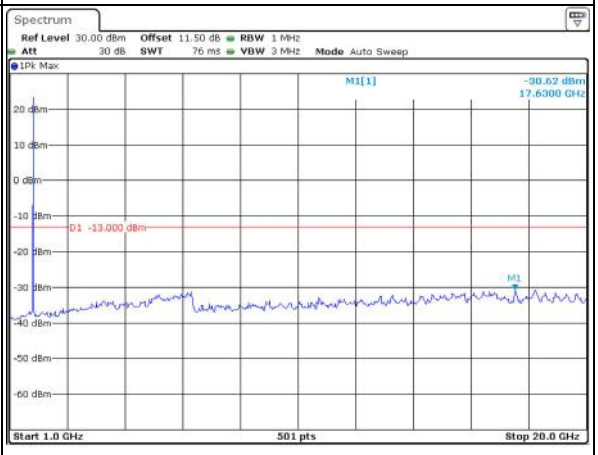
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

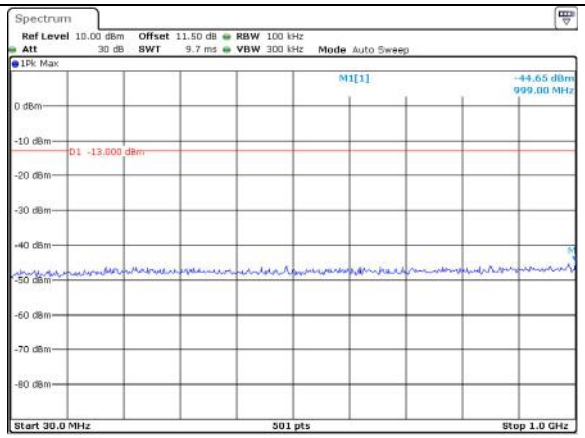
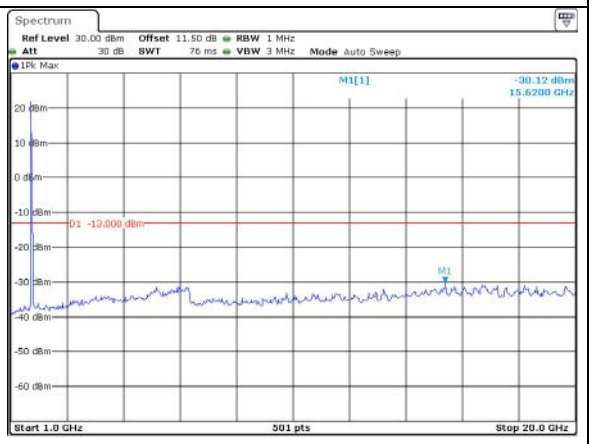
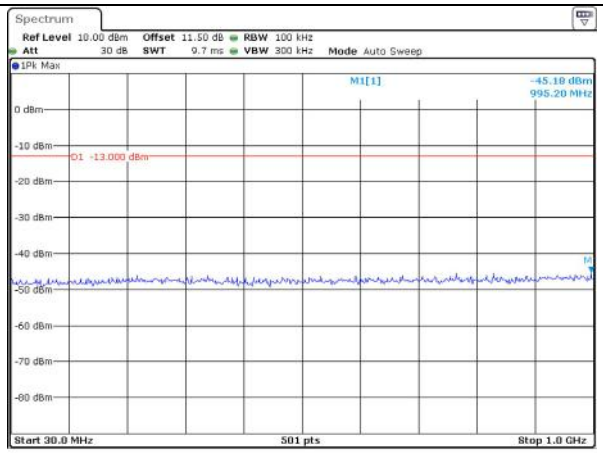
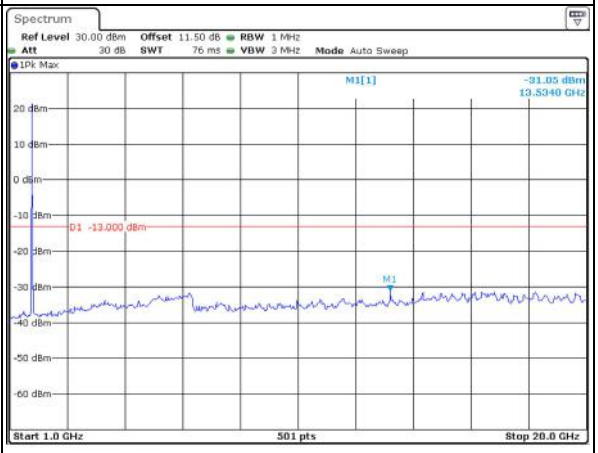
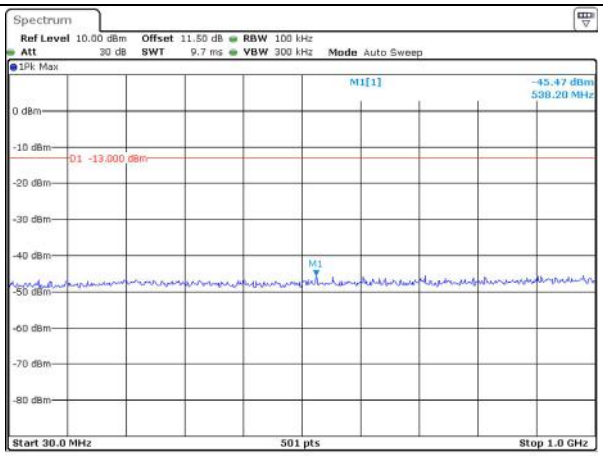
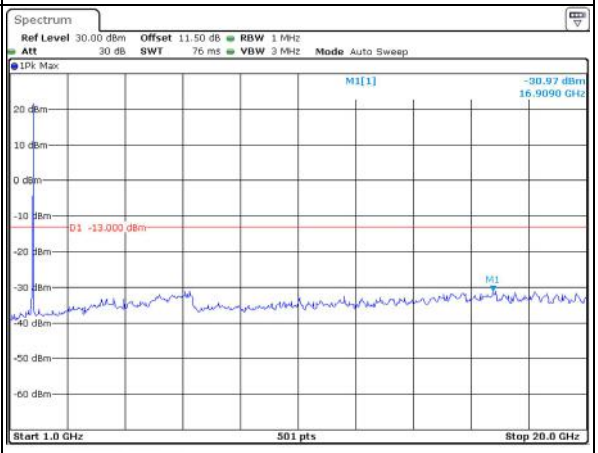
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

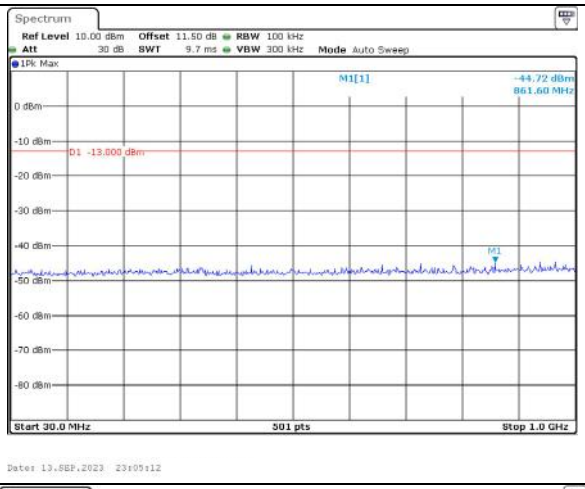
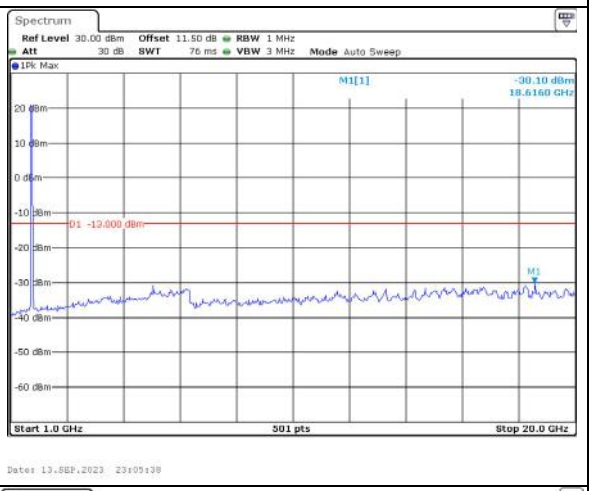
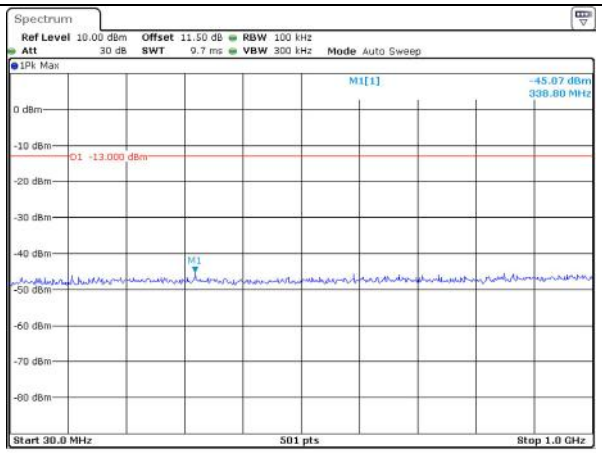
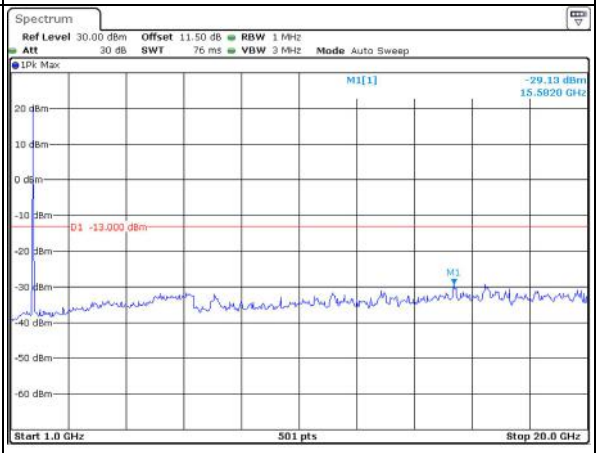
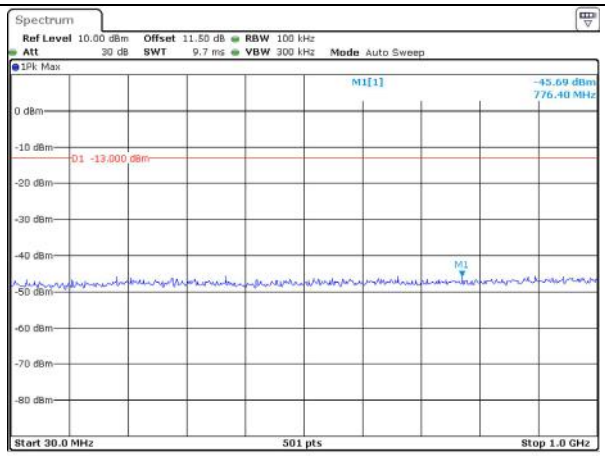
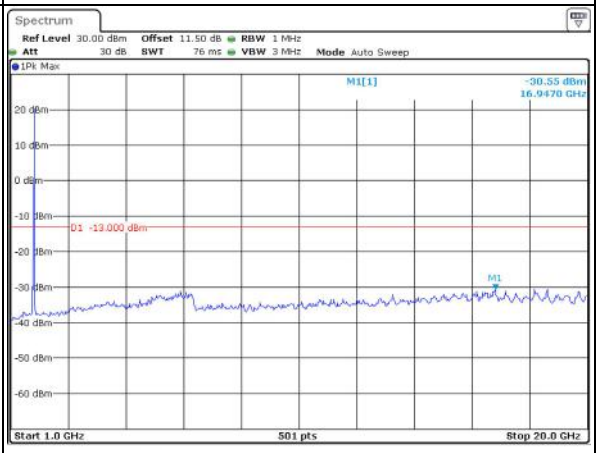
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

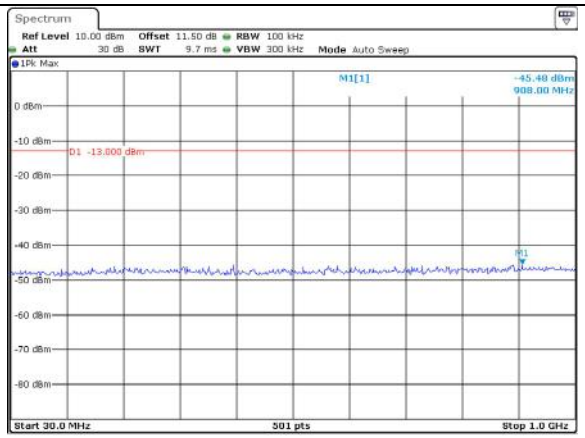
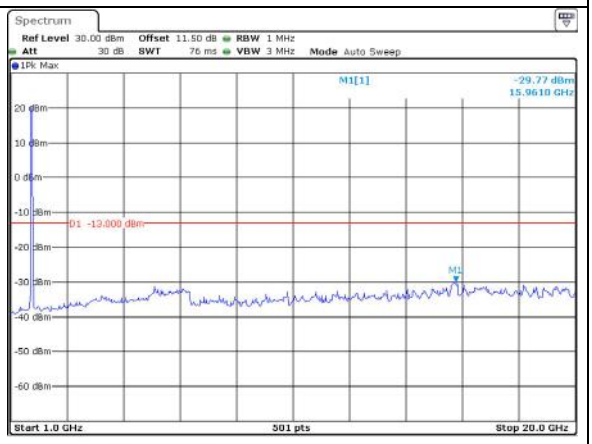
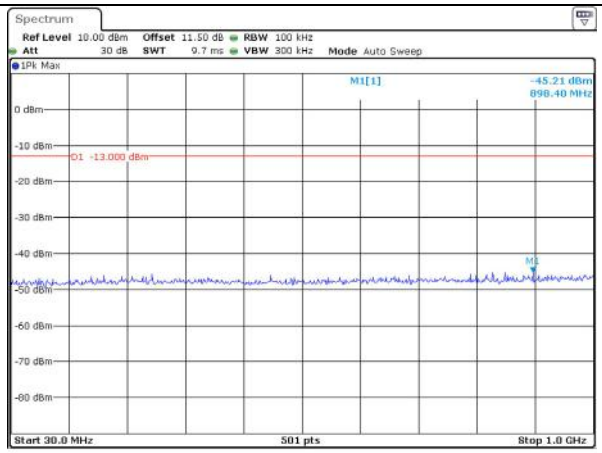
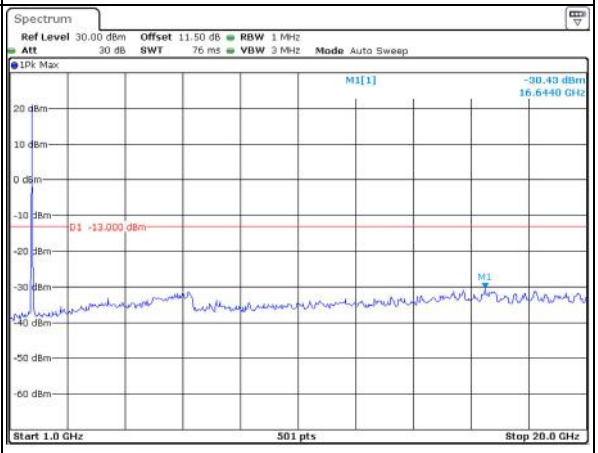
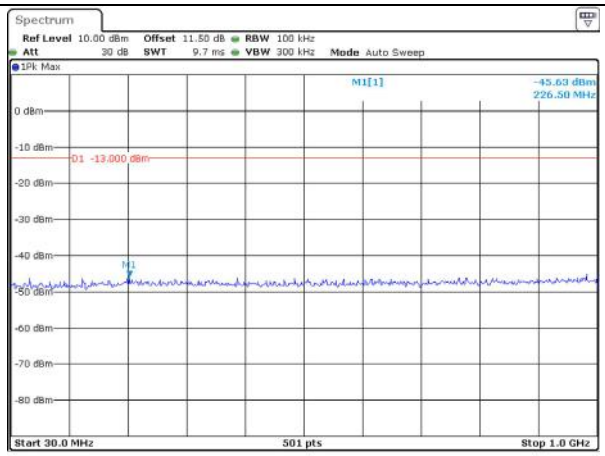
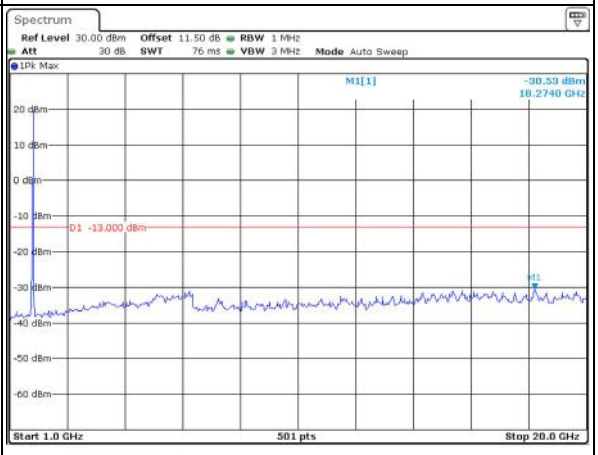
Spurious Emissions at Antenna Terminal		
Channel	**1.4MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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

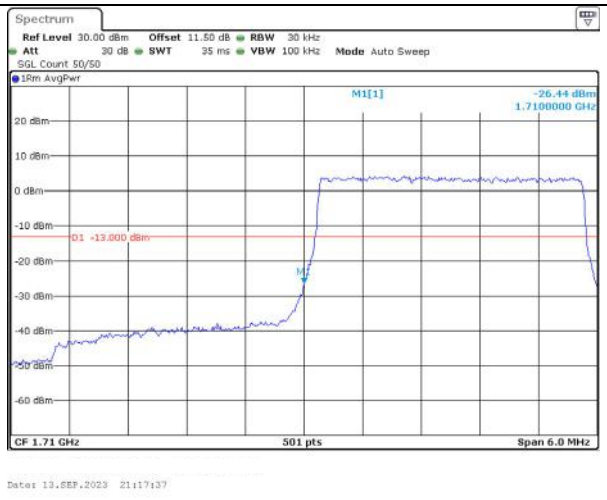
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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

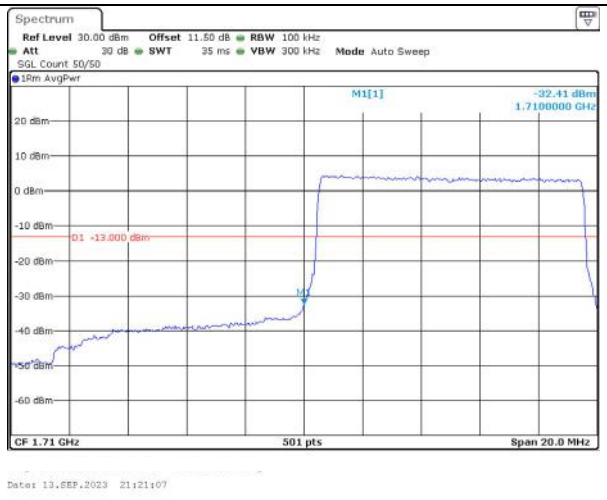
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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		

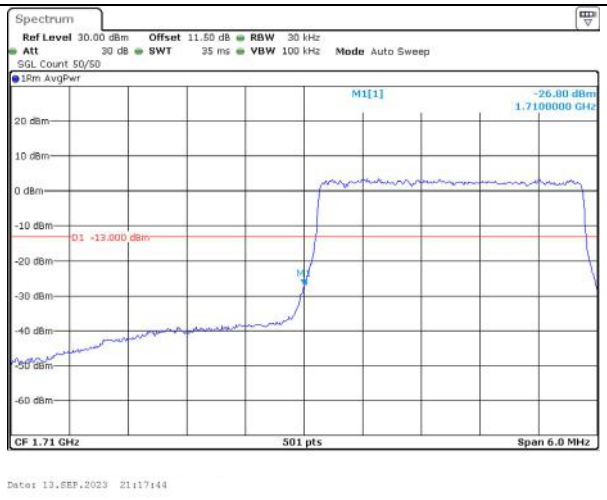
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 5MHz		

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

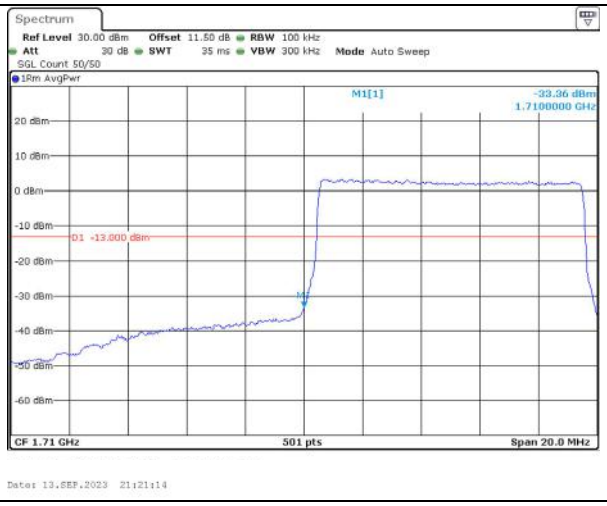
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 15MHz		

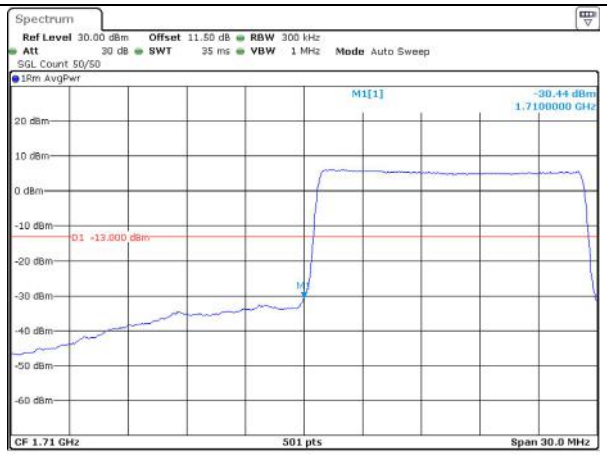
Out of band emission, Band Edge		
Mode	**Lowest**	**Highest**
QPSK 20MHz		

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		

4.19 Radiated Spurious Emissions

Serial Number:	294A-1	Test Date:	202310/18~2023/10/25
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Carl Xue, Mack Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.3~26.1	Relative Humidity: (%)	54~61	ATM Pressure: (kPa)	101.1~101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
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	2023/7/16	2024/7/15
Agilent	Signal Generator	E8247C	MY43321352	2022/11/18	2023/11/17
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/2/22	2026/2/21
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.
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

GSM 850 (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)			
			Frequency:	824.2	MHz			
654.23	H	21.26	-52.31	0.00	0.52	-52.83	-13.00	39.83
719.36	V	21.16	-48.34	0.00	0.49	-48.83	-13.00	35.83
1648.400	H	51.65	-52.68	8.68	0.80	-44.80	-13.00	31.80
1648.400	V	50.83	-53.58	8.68	0.80	-45.70	-13.00	32.70
2472.600	H	55.90	-44.88	9.38	1.00	-36.50	-13.00	23.50
2472.600	V	57.45	-43.28	9.38	1.00	-34.90	-13.00	21.90
3296.800	H	47.51	-49.17	10.32	1.15	-40.00	-13.00	27.00
3296.800	V	46.17	-50.27	10.32	1.15	-41.10	-13.00	28.10
			Frequency:	836.6	MHz			
714.11	H	20.81	-52.22	0.00	0.50	-52.72	-13.00	39.72
526.68	V	20.99	-50.63	0.00	0.43	-51.06	-13.00	38.06
1673.200	H	54.15	-50.16	8.71	0.85	-42.30	-13.00	29.30
1673.200	V	53.65	-50.76	8.71	0.85	-42.90	-13.00	29.90
2509.800	H	56.20	-44.41	9.42	1.01	-36.00	-13.00	23.00
2509.800	V	57.91	-42.71	9.42	1.01	-34.30	-13.00	21.30
3346.400	H	48.49	-48.68	10.34	1.16	-39.50	-13.00	26.50
3346.400	V	47.45	-49.58	10.34	1.16	-40.40	-13.00	27.40
			Frequency:	848.8	MHz			
726.72	H	20.96	-51.82	0.00	0.52	-52.34	-13.00	39.34
675.40	V	20.83	-49.54	0.00	0.50	-50.04	-13.00	37.04
1697.600	H	55.05	-49.24	8.74	0.90	-41.40	-13.00	28.40
1697.600	V	54.58	-49.84	8.74	0.90	-42.00	-13.00	29.00
2546.400	H	56.57	-43.76	9.47	1.01	-35.30	-13.00	22.30
2546.400	V	58.32	-41.96	9.47	1.01	-33.50	-13.00	20.50
3395.200	H	49.42	-48.27	10.36	1.19	-39.10	-13.00	26.10
3395.200	V	48.49	-49.17	10.36	1.19	-40.00	-13.00	27.00

GSM 1900(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:	1850.2	MHz			
146.88	H	38.33	-73.73	0.00	0.23	-73.96	-13.00	60.96
43.35	V	36.73	-57.43	-21.98	0.12	-79.53	-13.00	66.53
3700.400	H	53.77	-43.55	10.60	1.25	-34.20	-13.00	21.20
3700.400	V	53.15	-44.15	10.60	1.25	-34.80	-13.00	21.80
5550.600	H	43.71	-49.55	11.44	1.49	-39.60	-13.00	26.60
5550.600	V	43.45	-49.65	11.44	1.49	-39.70	-13.00	26.70
			Frequency:	1880	MHz			
144.84	H	38.18	-73.95	0.00	0.23	-74.18	-13.00	61.18
38.21	V	36.84	-51.23	-25.54	0.11	-76.88	-13.00	63.88
3760.000	H	53.19	-43.22	10.66	1.24	-33.80	-13.00	20.80
3760.000	V	52.37	-43.92	10.66	1.24	-34.50	-13.00	21.50
5640.000	H	44.66	-48.79	11.33	1.54	-39.00	-13.00	26.00
5640.000	V	44.24	-49.09	11.33	1.54	-39.30	-13.00	26.30
			Frequency:	1909.8	MHz			
148.43	H	37.94	-74.06	0.00	0.22	-74.28	-13.00	61.28
43.81	V	37.14	-57.62	-21.37	0.12	-79.11	-13.00	66.11
3819.600	H	53.53	-42.33	10.72	1.29	-32.90	-13.00	19.90
3819.600	V	52.69	-43.03	10.72	1.29	-33.60	-13.00	20.60
5729.400	H	45.25	-48.23	11.22	1.59	-38.60	-13.00	25.60
5729.400	V	44.93	-48.43	11.22	1.59	-38.80	-13.00	25.80

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)			
			Frequency:	1852.4	MHz			
147.40	H	37.84	-74.20	0.00	0.23	-74.43	-13.00	61.43
38.48	V	36.83	-51.51	-25.67	0.11	-77.29	-13.00	64.29
3704.800	H	52.41	-44.85	10.60	1.25	-35.50	-13.00	22.50
3704.800	V	51.88	-45.35	10.60	1.25	-36.00	-13.00	23.00
5557.200	H	43.14	-50.14	11.43	1.49	-40.20	-13.00	27.20
5557.200	V	42.59	-50.54	11.43	1.49	-40.60	-13.00	27.60
			Frequency:	1880	MHz			
145.35	H	38.04	-74.07	0.00	0.23	-74.30	-13.00	61.30
39.71	V	36.69	-52.85	-26.26	0.11	-79.22	-13.00	66.22
3760.000	H	51.99	-44.42	10.66	1.24	-35.00	-13.00	22.00
3760.000	V	51.07	-45.22	10.66	1.24	-35.80	-13.00	22.80
5640.000	H	43.86	-49.59	11.33	1.54	-39.80	-13.00	26.80
5640.000	V	43.34	-49.99	11.33	1.54	-40.20	-13.00	27.20
			Frequency:	1907.6	MHz			
148.96	H	37.65	-74.34	0.00	0.22	-74.56	-13.00	61.56
43.20	V	37.38	-56.59	-22.18	0.12	-78.89	-13.00	65.89
3815.200	H	52.42	-43.43	10.72	1.29	-34.00	-13.00	21.00
3815.200	V	51.56	-44.13	10.72	1.29	-34.70	-13.00	21.70
5722.800	H	44.34	-49.15	11.23	1.58	-39.50	-13.00	26.50
5722.800	V	44.10	-49.25	11.23	1.58	-39.60	-13.00	26.60

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			
143.32	H	38.55	-73.63	0.00	0.22	-73.85	-13.00	60.85
44.74	V	36.83	-59.13	-20.14	0.12	-79.39	-13.00	66.39
3424.800	H	55.67	-42.10	10.37	1.17	-32.90	-13.00	19.90
3424.800	V	54.64	-43.10	10.37	1.17	-33.90	-13.00	20.90
5137.200	H	42.00	-51.62	11.28	1.46	-41.80	-13.00	28.80
5137.200	V	41.48	-52.02	11.28	1.46	-42.20	-13.00	29.20
			Frequency:	1732.6	MHz			
144.84	H	37.91	-74.22	0.00	0.23	-74.45	-13.00	61.45
38.21	V	37.03	-51.04	-25.54	0.11	-76.69	-13.00	63.69
3465.200	H	56.57	-41.24	10.39	1.15	-32.00	-13.00	19.00
3465.200	V	54.43	-43.34	10.39	1.15	-34.10	-13.00	21.10
5197.800	H	42.85	-51.28	11.32	1.44	-41.40	-13.00	28.40
5197.800	V	42.40	-51.58	11.32	1.44	-41.70	-13.00	28.70
			Frequency:	1752.6	MHz			
147.91	H	38.09	-73.93	0.00	0.22	-74.15	-13.00	61.15
43.81	V	36.59	-58.17	-21.37	0.12	-79.66	-13.00	66.66
3505.200	H	57.50	-40.33	10.41	1.18	-31.10	-13.00	18.10
3505.200	V	55.44	-42.33	10.41	1.18	-33.10	-13.00	20.10
5257.800	H	43.85	-49.88	11.35	1.47	-40.00	-13.00	27.00
5257.800	V	43.33	-50.18	11.35	1.47	-40.30	-13.00	27.30

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)			
			Frequency:	826.4	MHz			
726.80	H	20.89	-51.89	0.00	0.52	-52.41	-13.00	39.41
634.15	V	20.76	-50.35	0.00	0.51	-50.86	-13.00	37.86
1652.800	H	53.26	-51.07	8.68	0.81	-43.20	-13.00	30.20
1652.800	V	53.14	-51.27	8.68	0.81	-43.40	-13.00	30.40
2479.200	H	47.28	-53.48	9.39	1.01	-45.10	-13.00	32.10
2479.200	V	47.15	-53.58	9.39	1.01	-45.20	-13.00	32.20
3305.600	H	44.96	-51.77	10.32	1.15	-42.60	-13.00	29.60
3305.600	V	44.33	-52.17	10.32	1.15	-43.00	-13.00	30.00
			Frequency:	836.6	MHz			
709.20	H	21.13	-52.00	0.00	0.52	-52.52	-13.00	39.52
701.96	V	20.82	-49.06	0.00	0.55	-49.61	-13.00	36.61
1673.200	H	53.65	-50.66	8.71	0.85	-42.80	-13.00	29.80
1673.200	V	53.55	-50.86	8.71	0.85	-43.00	-13.00	30.00
2509.800	H	47.50	-53.11	9.42	1.01	-44.70	-13.00	31.70
2509.800	V	47.31	-53.31	9.42	1.01	-44.90	-13.00	31.90
3346.400	H	45.89	-51.28	10.34	1.16	-42.10	-13.00	29.10
3346.400	V	45.25	-51.78	10.34	1.16	-42.60	-13.00	29.60
			Frequency:	846.6	MHz			
694.44	H	20.94	-52.41	0.00	0.55	-52.96	-13.00	39.96
724.44	V	21.21	-48.18	0.00	0.51	-48.69	-13.00	35.69
1693.200	H	54.96	-49.34	8.73	0.89	-41.50	-13.00	28.50
1693.200	V	54.98	-49.44	8.73	0.89	-41.60	-13.00	28.60
2539.800	H	48.23	-52.15	9.46	1.01	-43.70	-13.00	30.70
2539.800	V	47.99	-52.35	9.46	1.01	-43.90	-13.00	30.90
3386.400	H	47.22	-50.37	10.35	1.18	-41.20	-13.00	28.20
3386.400	V	46.67	-50.87	10.35	1.18	-41.70	-13.00	28.70

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								
143.83	H	38.12	-74.05	0.00	0.22	-74.27	-13.00	61.27
44.58	V	37.27	-58.49	-20.35	0.12	-78.96	-13.00	65.96
3701.400	H	55.46	-41.85	10.60	1.25	-32.50	-13.00	19.50
3701.400	V	54.94	-42.35	10.60	1.25	-33.00	-13.00	20.00
5552.100	H	45.42	-47.85	11.44	1.49	-37.90	-13.00	24.90
5552.100	V	44.85	-48.25	11.44	1.49	-38.30	-13.00	25.30
QPSK, 1.4MHz,Frequency:1880 MHz								
148.95	H	37.86	-74.13	0.00	0.22	-74.35	-13.00	61.35
43.80	V	37.29	-57.45	-21.38	0.12	-78.95	-13.00	65.95
3760.000	H	54.89	-41.52	10.66	1.24	-32.10	-13.00	19.10
3760.000	V	53.97	-42.32	10.66	1.24	-32.90	-13.00	19.90
5640.000	H	46.36	-47.09	11.33	1.54	-37.30	-13.00	24.30
5640.000	V	45.74	-47.59	11.33	1.54	-37.80	-13.00	24.80
QPSK, 1.4MHz,Frequency:1909.3 MHz								
147.91	H	37.63	-74.39	0.00	0.22	-74.61	-13.00	61.61
42.89	V	36.55	-57.02	-22.59	0.12	-79.73	-13.00	66.73
3818.600	H	55.23	-40.63	10.72	1.29	-31.20	-13.00	18.20
3818.600	V	54.38	-41.33	10.72	1.29	-31.90	-13.00	18.90
5727.900	H	47.14	-46.34	11.23	1.59	-36.70	-13.00	23.70
5727.900	V	46.72	-46.64	11.23	1.59	-37.00	-13.00	24.00

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								
147.40	H	37.77	-74.27	0.00	0.23	-74.50	-13.00	61.50
38.48	V	36.61	-51.73	-25.67	0.11	-77.51	-13.00	64.51
3421.400	H	57.06	-40.70	10.37	1.17	-31.50	-13.00	18.50
3421.400	V	56.03	-41.70	10.37	1.17	-32.50	-13.00	19.50
5132.100	H	44.96	-48.61	11.28	1.47	-38.80	-13.00	25.80
5132.100	V	44.15	-49.31	11.28	1.47	-39.50	-13.00	26.50
1.4MHz QPSK, Frequency: 1732.5 MHz								
145.44	H	37.60	-74.51	0.00	0.23	-74.74	-13.00	61.74
39.71	V	37.32	-52.22	-26.26	0.11	-78.59	-13.00	65.59
3465.000	H	57.87	-39.94	10.39	1.15	-30.70	-13.00	17.70
3465.000	V	55.93	-41.84	10.39	1.15	-32.60	-13.00	19.60
5197.500	H	45.95	-48.18	11.32	1.44	-38.30	-13.00	25.30
5197.500	V	45.50	-48.48	11.32	1.44	-38.60	-13.00	25.60
1.4MHz QPSK, Frequency: 1754.3 MHz								
144.42	H	37.79	-74.36	0.00	0.22	-74.58	-13.00	61.58
43.80	V	36.80	-57.94	-21.38	0.12	-79.44	-13.00	66.44
3508.600	H	59.00	-38.82	10.41	1.19	-29.60	-13.00	16.60
3508.600	V	57.04	-40.72	10.41	1.19	-31.50	-13.00	18.50
5262.900	H	46.61	-47.09	11.36	1.47	-37.20	-13.00	24.20
5262.900	V	46.18	-47.29	11.36	1.47	-37.40	-13.00	24.40

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								
716.68	H	21.08	-51.90	0.00	0.50	-52.40	-13.00	39.40
711.86	V	21.06	-48.60	0.00	0.51	-49.11	-13.00	36.11
1649.400	H	51.05	-53.28	8.68	0.80	-45.40	-13.00	32.40
1649.400	V	51.23	-53.18	8.68	0.80	-45.30	-13.00	32.30
2474.100	H	47.80	-52.98	9.38	1.00	-44.60	-13.00	31.60
2474.100	V	47.45	-53.28	9.38	1.00	-44.90	-13.00	31.90
3298.800	H	45.11	-51.57	10.32	1.15	-42.40	-13.00	29.40
3298.800	V	44.17	-52.27	10.32	1.15	-43.10	-13.00	30.10
QPSK, 1.4MHz, Frequency: 836.5 MHz								
709.19	H	20.72	-52.41	0.00	0.52	-52.93	-13.00	39.93
721.91	V	20.91	-48.53	0.00	0.50	-49.03	-13.00	36.03
1673.000	H	53.55	-50.76	8.71	0.85	-42.90	-13.00	29.90
1673.000	V	53.05	-51.36	8.71	0.85	-43.50	-13.00	30.50
2509.500	H	48.10	-52.51	9.42	1.01	-44.10	-13.00	31.10
2509.500	V	47.71	-52.91	9.42	1.01	-44.50	-13.00	31.50
3346.000	H	45.98	-51.18	10.34	1.16	-42.00	-13.00	29.00
3346.000	V	45.24	-51.78	10.34	1.16	-42.60	-13.00	29.60
QPSK, 1.4MHz, Frequency: 848.3 MHz								
711.67	H	20.83	-52.25	0.00	0.51	-52.76	-13.00	39.76
663.69	V	21.05	-49.53	0.00	0.50	-50.03	-13.00	37.03
1696.600	H	54.74	-49.55	8.74	0.89	-41.70	-13.00	28.70
1696.600	V	54.37	-50.05	8.74	0.89	-42.20	-13.00	29.20
2544.900	H	48.68	-51.66	9.47	1.01	-43.20	-13.00	30.20
2544.900	V	48.04	-52.26	9.47	1.01	-43.80	-13.00	30.80
3393.200	H	47.20	-50.47	10.36	1.19	-41.30	-13.00	28.30
3393.200	V	46.56	-51.07	10.36	1.19	-41.90	-13.00	28.90

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								
146.37	H	37.41	-74.67	0.00	0.22	-74.89	-25.00	49.89
43.19	V	37.07	-56.88	-22.19	0.12	-79.19	-25.00	54.19
5005.000	H	52.93	-40.03	11.20	1.47	-30.30	-25.00	5.30
5005.000	V	52.19	-40.63	11.20	1.47	-30.90	-25.00	5.90
7507.500	H	48.54	-41.25	10.90	1.95	-32.30	-25.00	7.30
7507.500	V	48.24	-42.05	10.90	1.95	-33.10	-25.00	8.10
5MHz QPSK, Frequency: 2535 MHz								
144.84	H	36.96	-75.17	0.00	0.23	-75.40	-25.00	50.40
39.71	V	36.53	-53.01	-26.26	0.11	-79.38	-25.00	54.38
5070.000	H	54.52	-38.67	11.24	1.47	-28.90	-25.00	3.90
5070.000	V	53.32	-39.77	11.24	1.47	-30.00	-25.00	5.00
7605.000	H	47.80	-41.67	10.88	2.01	-32.80	-25.00	7.80
7605.000	V	47.62	-42.57	10.88	2.01	-33.70	-25.00	8.70
5MHz QPSK, Frequency: 2567.5 MHz								
148.96	H	36.83	-75.16	0.00	0.22	-75.38	-25.00	50.38
38.48	V	37.30	-51.04	-25.67	0.11	-76.82	-25.00	51.82
5135.000	H	55.79	-37.81	11.28	1.47	-28.00	-25.00	3.00
5135.000	V	54.48	-39.01	11.28	1.47	-29.20	-25.00	4.20
7702.500	H	49.13	-40.39	10.86	1.97	-31.50	-25.00	6.50
7702.500	V	48.89	-41.29	10.86	1.97	-32.40	-25.00	7.40

LTE Band 12:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 699.7 MHz								
572.75	H	20.69	-53.71	0.00	0.46	-54.17	-13.00	41.17
497.96	V	20.58	-51.08	0.00	0.45	-51.53	-13.00	38.53
1399.400	H	45.19	-58.51	8.22	0.71	-51.00	-13.00	38.00
1399.400	V	44.24	-59.51	8.22	0.71	-52.00	-13.00	39.00
2099.100	H	50.53	-51.35	9.16	0.91	-43.10	-13.00	30.10
2099.100	V	48.98	-52.85	9.16	0.91	-44.60	-13.00	31.60
2798.800	H	43.69	-56.24	9.88	1.04	-47.40	-13.00	34.40
2798.800	V	43.36	-56.44	9.88	1.04	-47.60	-13.00	34.60
1.4MHz QPSK, Frequency: 707.5 MHz								
513.81	H	20.71	-54.85	0.00	0.44	-55.29	-13.00	42.29
589.14	V	20.56	-51.15	0.00	0.48	-51.63	-13.00	38.63
1415.000	H	45.63	-58.04	8.26	0.72	-50.50	-13.00	37.50
1415.000	V	44.68	-59.04	8.26	0.72	-51.50	-13.00	38.50
2122.500	H	51.14	-50.85	9.17	0.92	-42.60	-13.00	29.60
2122.500	V	49.42	-52.55	9.17	0.92	-44.30	-13.00	31.30
2830.000	H	44.03	-55.77	9.93	1.06	-46.90	-13.00	33.90
2830.000	V	43.66	-56.07	9.93	1.06	-47.20	-13.00	34.20
1.4MHz QPSK, Frequency: 715.3 MHz								
496.12	H	20.57	-55.34	0.00	0.45	-55.79	-13.00	42.79
553.14	V	20.64	-51.02	0.00	0.48	-51.50	-13.00	38.50
1430.600	H	46.65	-56.98	8.31	0.73	-49.40	-13.00	36.40
1430.600	V	45.51	-58.18	8.31	0.73	-50.60	-13.00	37.60
2145.900	H	51.94	-50.16	9.19	0.93	-41.90	-13.00	28.90
2145.900	V	50.55	-51.56	9.19	0.93	-43.30	-13.00	30.30
2861.200	H	44.44	-55.21	9.98	1.07	-46.30	-13.00	33.30
2861.200	V	43.76	-55.91	9.98	1.07	-47.00	-13.00	34.00

LTE Band 13:

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: 779.5 MHz								
528.54	H	20.52	-54.75	0.00	0.44	-55.19	-13.00	42.19
568.88	V	20.64	-51.04	0.00	0.46	-51.50	-13.00	38.50
1559.000	H	45.62	-58.37	8.57	0.80	-50.60	-40.00	10.60
1559.000	V	45.38	-58.67	8.57	0.80	-50.90	-40.00	10.90
2338.500	H	45.76	-55.83	9.30	0.97	-47.50	-13.00	34.50
2338.500	V	45.03	-56.33	9.30	0.97	-48.00	-13.00	35.00
3118.000	H	44.27	-53.22	10.25	1.13	-44.10	-13.00	31.10
3118.000	V	43.83	-53.52	10.25	1.13	-44.40	-13.00	31.40
5MHz QPSK, Frequency: 784.5 MHz								
610.18	H	20.59	-53.22	0.00	0.47	-53.69	-13.00	40.69
523.07	V	20.52	-51.09	0.00	0.42	-51.51	-13.00	38.51
1569.000	H	46.91	-57.17	8.58	0.81	-49.40	-40.00	9.40
1569.000	V	46.46	-57.67	8.58	0.81	-49.90	-40.00	9.90
2353.500	H	46.61	-54.84	9.31	0.97	-46.50	-13.00	33.50
2353.500	V	46.68	-54.54	9.31	0.97	-46.20	-13.00	33.20
3138.000	H	45.78	-51.62	10.26	1.14	-42.50	-13.00	29.50
3138.000	V	45.01	-52.22	10.26	1.14	-43.10	-13.00	30.10

LTE Band 17:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 706.5 MHz								
499.67	H	20.61	-55.23	0.00	0.45	-55.68	-13.00	42.68
557.07	V	20.52	-51.15	0.00	0.48	-51.63	-13.00	38.63
1413.000	H	48.93	-54.74	8.26	0.72	-47.20	-13.00	34.20
1413.000	V	47.58	-56.14	8.26	0.72	-48.60	-13.00	35.60
2119.500	H	52.52	-49.45	9.17	0.92	-41.20	-13.00	28.20
2119.500	V	50.80	-51.15	9.17	0.92	-42.90	-13.00	29.90
2826.000	H	43.45	-56.36	9.92	1.06	-47.50	-13.00	34.50
2826.000	V	43.28	-56.46	9.92	1.06	-47.60	-13.00	34.60
5MHz QPSK, Frequency: 710 MHz								
625.24	H	20.54	-53.18	0.00	0.48	-53.66	-13.00	40.66
445.19	V	20.56	-53.20	0.00	0.43	-53.63	-13.00	40.63
1420.000	H	49.51	-54.15	8.28	0.73	-46.60	-13.00	33.60
1420.000	V	48.06	-55.65	8.28	0.73	-48.10	-13.00	35.10
2130.000	H	53.26	-48.76	9.18	0.92	-40.50	-13.00	27.50
2130.000	V	51.55	-50.46	9.18	0.92	-42.20	-13.00	29.20
2840.000	H	43.77	-55.98	9.94	1.06	-47.10	-13.00	34.10
2840.000	V	43.63	-56.08	9.94	1.06	-47.20	-13.00	34.20
5MHz QPSK, Frequency: 713.5 MHz								
426.79	H	20.66	-56.66	0.00	0.39	-57.05	-13.00	44.05
595.41	V	20.63	-51.09	0.00	0.51	-51.60	-13.00	38.60
1427.000	H	50.57	-53.07	8.30	0.73	-45.50	-13.00	32.50
1427.000	V	49.22	-54.47	8.30	0.73	-46.90	-13.00	33.90
2140.500	H	54.02	-48.05	9.18	0.93	-39.80	-13.00	26.80
2140.500	V	52.33	-49.75	9.18	0.93	-41.50	-13.00	28.50
2854.000	H	44.49	-55.20	9.97	1.07	-46.30	-13.00	33.30
2854.000	V	43.88	-55.80	9.97	1.07	-46.90	-13.00	33.90

LTE Band 26:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 814.7 MHz								
572.84	H	20.85	-53.55	0.00	0.46	-54.01	-13.00	41.01
714.38	V	20.83	-48.78	0.00	0.50	-49.28	-13.00	36.28
1629.400	H	50.50	-53.85	8.66	0.81	-46.00	-13.00	33.00
1629.400	V	49.86	-54.55	8.66	0.81	-46.70	-13.00	33.70
2444.100	H	49.62	-51.27	9.37	1.00	-42.90	-13.00	29.90
2444.100	V	48.28	-52.47	9.37	1.00	-44.10	-13.00	31.10
3258.800	H	45.63	-51.23	10.30	1.17	-42.10	-13.00	29.10
3258.800	V	44.78	-51.83	10.30	1.17	-42.70	-13.00	29.70
1.4MHz QPSK, Frequency: 831.5 MHz								
704.36	H	20.89	-52.34	0.00	0.55	-52.89	-13.00	39.89
721.92	V	20.80	-48.64	0.00	0.50	-49.14	-13.00	36.14
1663.000	H	53.05	-51.27	8.70	0.83	-43.40	-13.00	30.40
1663.000	V	52.64	-51.77	8.70	0.83	-43.90	-13.00	30.90
2494.500	H	50.71	-49.99	9.40	1.01	-41.60	-13.00	28.60
2494.500	V	50.42	-50.29	9.40	1.01	-41.90	-13.00	28.90
3326.000	H	46.08	-50.87	10.33	1.16	-41.70	-13.00	28.70
3326.000	V	45.10	-51.67	10.33	1.16	-42.50	-13.00	29.50
1.4MHz QPSK, Frequency: 848.3 MHz								
724.38	H	20.76	-52.07	0.00	0.51	-52.58	-13.00	39.58
729.55	V	20.93	-48.35	0.00	0.53	-48.88	-13.00	35.88
1696.600	H	54.44	-49.85	8.74	0.89	-42.00	-13.00	29.00
1696.600	V	54.07	-50.35	8.74	0.89	-42.50	-13.00	29.50
2544.900	H	51.78	-48.56	9.47	1.01	-40.10	-13.00	27.10
2544.900	V	51.44	-48.86	9.47	1.01	-40.40	-13.00	27.40
3393.200	H	47.80	-49.87	10.36	1.19	-40.70	-13.00	27.70
3393.200	V	47.16	-50.47	10.36	1.19	-41.30	-13.00	28.30

LTE Band 38 (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								
147.40	H	36.82	-75.22	0.00	0.23	-75.45	-25.00	50.45
43.81	V	36.90	-57.86	-21.37	0.12	-79.35	-25.00	54.35
5145.000	H	51.33	-42.35	11.29	1.44	-32.50	-25.00	7.50
5145.000	V	50.22	-43.35	11.29	1.44	-33.50	-25.00	8.50
7717.500	H	42.74	-46.77	10.86	1.99	-37.90	-25.00	12.90
7717.500	V	42.66	-47.47	10.86	1.99	-38.60	-25.00	13.60
5MHz QPSK, Frequency: 2595 MHz								
144.84	H	36.70	-75.43	0.00	0.23	-75.66	-25.00	50.66
38.21	V	36.75	-51.32	-25.54	0.11	-76.97	-25.00	51.97
5190.000	H	52.20	-41.87	11.31	1.44	-32.00	-25.00	7.00
5190.000	V	51.65	-42.27	11.31	1.44	-32.40	-25.00	7.40
7785.000	H	43.94	-45.55	10.84	1.99	-36.70	-25.00	11.70
7785.000	V	43.37	-46.55	10.84	1.99	-37.70	-25.00	12.70
5MHz QPSK, Frequency: 2617.5 MHz								
141.83	H	37.18	-75.06	0.00	0.21	-75.27	-25.00	50.27
42.90	V	36.44	-57.14	-22.57	0.12	-79.83	-25.00	54.83
5235.000	H	53.32	-40.58	11.34	1.46	-30.70	-25.00	5.70
5235.000	V	52.63	-41.08	11.34	1.46	-31.20	-25.00	6.20
7852.500	H	44.49	-44.70	10.83	2.03	-35.90	-25.00	10.90
7852.500	V	43.78	-45.80	10.83	2.03	-37.00	-25.00	12.00

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								
144.28	H	36.63	-75.52	0.00	0.22	-75.74	-40.00	35.74
43.65	V	37.09	-57.46	-21.58	0.12	-79.16	-40.00	39.16
4615.000	H	40.83	-54.53	10.74	1.41	-45.20	-40.00	5.20
4615.000	V	41.49	-53.73	10.74	1.41	-44.40	-40.00	4.40
6922.500	H	37.08	-53.94	11.22	1.88	-44.60	-40.00	4.60
6922.500	V	36.45	-54.44	11.22	1.88	-45.10	-40.00	5.10
5MHz QPSK, Frequency: 2312.5 MHz								
147.40	H	37.03	-75.01	0.00	0.23	-75.24	-40.00	35.24
39.71	V	37.64	-51.90	-26.26	0.11	-78.27	-40.00	38.27
4625.000	H	41.75	-53.54	10.75	1.41	-44.20	-40.00	4.20
4625.000	V	42.23	-52.94	10.75	1.41	-43.60	-40.00	3.60
6937.500	H	37.97	-53.01	11.21	1.90	-43.70	-40.00	3.70
6937.500	V	37.23	-53.61	11.21	1.90	-44.30	-40.00	4.30

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								
146.37	H	36.93	-75.15	0.00	0.22	-75.37	-40.00	35.37
38.48	V	37.49	-50.85	-25.67	0.11	-76.63	-40.00	36.63
4705.000	H	40.24	-54.54	10.85	1.41	-45.10	-40.00	5.10
4705.000	V	41.46	-53.34	10.85	1.41	-43.90	-40.00	3.90
7057.500	H	36.56	-53.45	11.17	1.92	-44.20	-40.00	4.20
7057.500	V	36.35	-53.55	11.17	1.92	-44.30	-40.00	4.30
5MHz QPSK, Frequency: 2357.5 MHz								
149.48	H	37.13	-74.84	0.00	0.22	-75.06	-40.00	35.06
43.81	V	37.51	-57.25	-21.37	0.12	-78.74	-40.00	38.74
4715.000	H	41.26	-53.45	10.86	1.41	-44.00	-40.00	4.00
4715.000	V	42.16	-52.55	10.86	1.41	-43.10	-40.00	3.10
7072.500	H	37.35	-52.45	11.16	1.91	-43.20	-40.00	3.20
7072.500	V	37.06	-52.65	11.16	1.91	-43.40	-40.00	3.40

LTE Band 41 (30MHz-26.55GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2537.5 MHz								
152.13	H	36.81	-75.07	0.00	0.23	-75.30	-25.00	50.30
43.19	V	37.07	-56.88	-22.19	0.12	-79.19	-25.00	54.19
5075.000	H	50.32	-42.89	11.25	1.48	-33.12	-25.00	8.12
5075.000	V	49.08	-44.03	11.25	1.48	-34.26	-25.00	9.26
7612.500	H	43.63	-45.85	10.88	2.02	-36.99	-25.00	11.99
7612.500	V	43.43	-46.76	10.88	2.02	-37.90	-25.00	12.90
5MHz QPSK, Frequency: 2595 MHz								
145.86	H	37.09	-75.00	0.00	0.22	-75.22	-25.00	50.22
43.80	V	37.48	-57.26	-21.38	0.12	-78.76	-25.00	53.76
5190.000	H	51.86	-42.21	11.31	1.44	-32.34	-25.00	7.34
5190.000	V	51.32	-42.60	11.31	1.44	-32.73	-25.00	7.73
7785.000	H	44.94	-44.55	10.84	1.99	-35.70	-25.00	10.70
7785.000	V	44.59	-45.33	10.84	1.99	-36.48	-25.00	11.48
5MHz QPSK, Frequency: 2652.5 MHz								
147.92	H	36.72	-75.30	0.00	0.22	-75.52	-25.00	50.52
38.34	V	36.78	-51.42	-25.60	0.11	-77.13	-25.00	52.13
5305.000	H	52.67	-40.77	11.38	1.46	-30.85	-25.00	5.85
5305.000	V	52.26	-40.92	11.38	1.46	-31.00	-25.00	6.00
7957.500	H	43.73	-44.69	10.81	2.09	-35.97	-25.00	10.97
7957.500	V	43.23	-45.64	10.81	2.09	-36.92	-25.00	11.92

LTE Band 66:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 1710.7 MHz								
142.82	H	37.04	-75.16	0.00	0.22	-75.38	-13.00	62.38
38.48	V	37.14	-51.20	-25.67	0.11	-76.98	-13.00	63.98
3421.400	H	57.86	-39.90	10.37	1.17	-30.70	-13.00	17.70
3421.400	V	56.93	-40.80	10.37	1.17	-31.60	-13.00	18.60
5132.100	H	44.06	-49.51	11.28	1.47	-39.70	-13.00	26.70
5132.100	V	43.25	-50.21	11.28	1.47	-40.40	-13.00	27.40
1.4MHz QPSK, Frequency: 1745 MHz								
144.33	H	36.75	-75.40	0.00	0.22	-75.62	-13.00	62.62
38.21	V	36.95	-51.12	-25.54	0.11	-76.77	-13.00	63.77
3490.000	H	58.91	-38.93	10.40	1.17	-29.70	-13.00	16.70
3490.000	V	56.85	-40.93	10.40	1.17	-31.70	-13.00	18.70
5235.000	H	44.72	-49.18	11.34	1.46	-39.30	-13.00	26.30
5235.000	V	44.23	-49.48	11.34	1.46	-39.60	-13.00	26.60
1.4MHz QPSK, Frequency: 1779.3 MHz								
147.39	H	36.97	-75.07	0.00	0.23	-75.30	-13.00	62.30
43.65	V	36.89	-57.66	-21.58	0.12	-79.36	-13.00	66.36
3558.600	H	59.13	-38.54	10.46	1.22	-29.30	-13.00	16.30
3558.600	V	58.43	-39.14	10.46	1.22	-29.90	-13.00	16.90
5337.900	H	45.64	-47.83	11.40	1.47	-37.90	-13.00	24.90
5337.900	V	45.30	-48.03	11.40	1.47	-38.10	-13.00	25.10

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 CR230743984-EXP EUT EXTERNAL PHOTOGRAPHS and CR230743984-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230743984-00F-TSP TEST SETUP PHOTOGRAPHS.

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