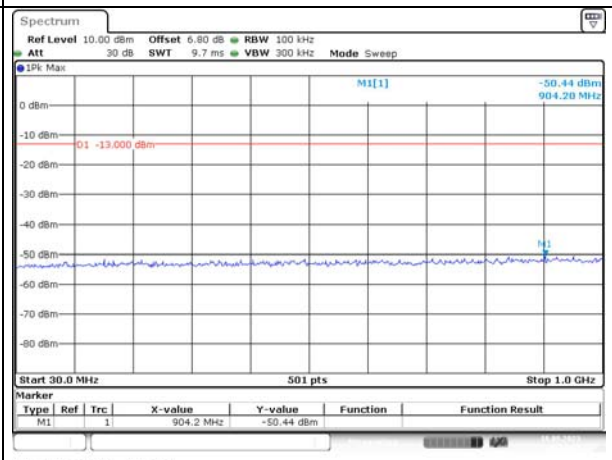
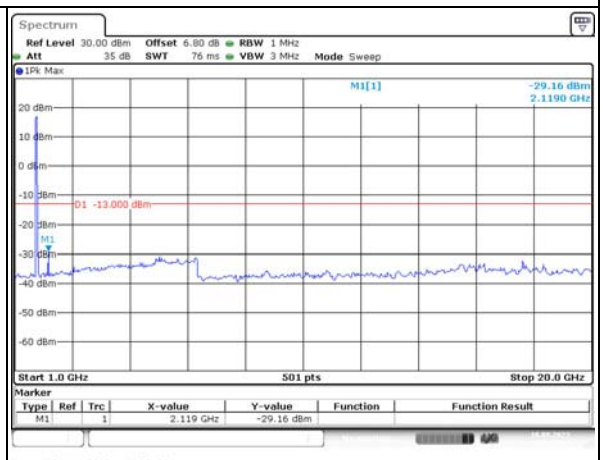
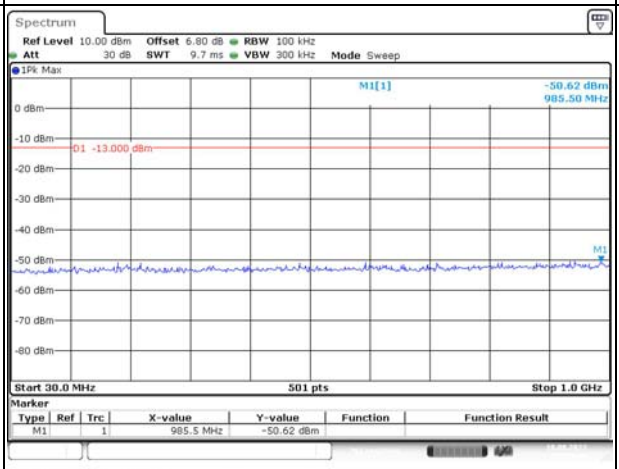
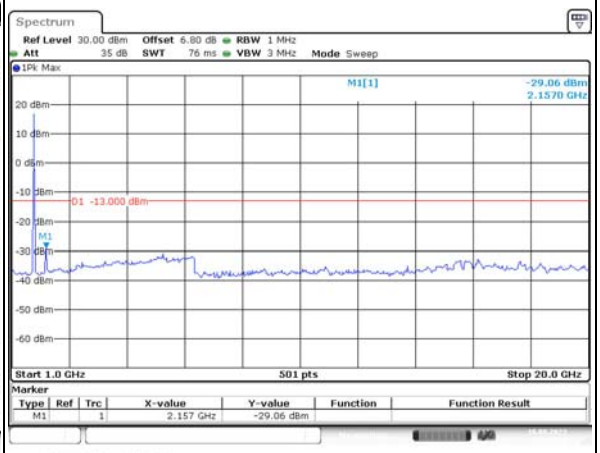
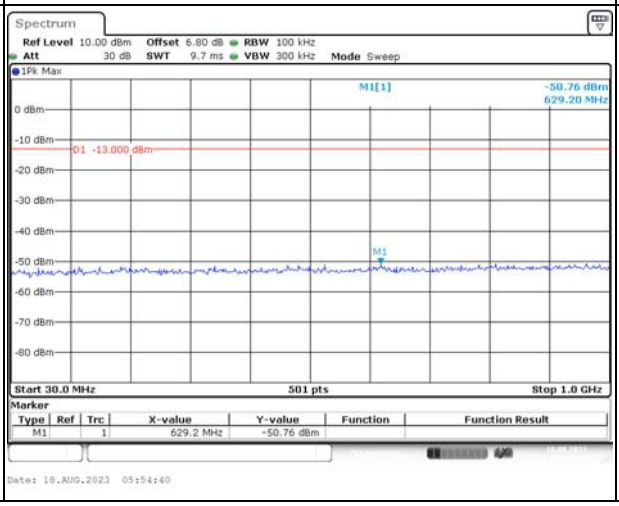
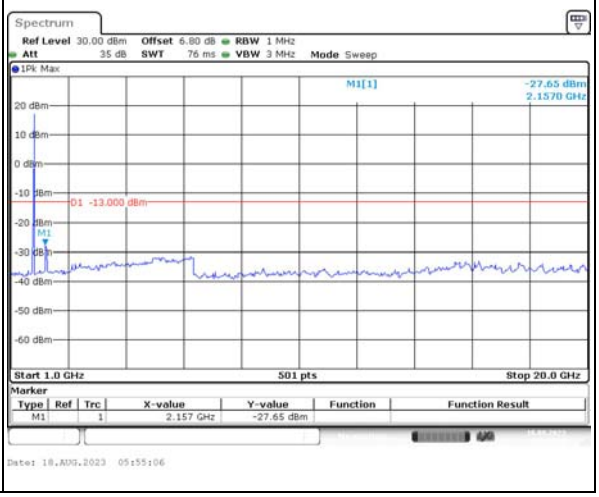
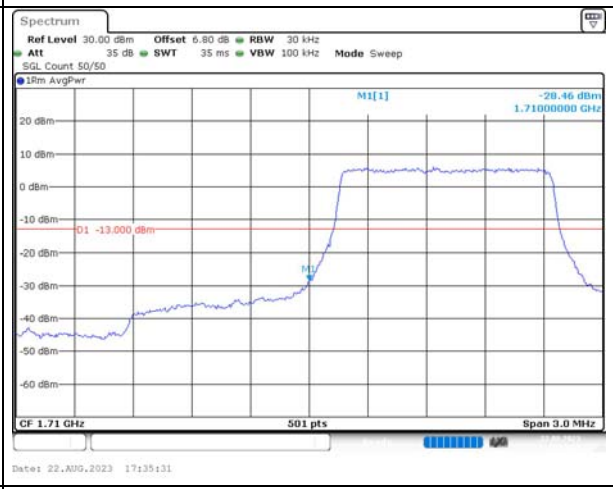
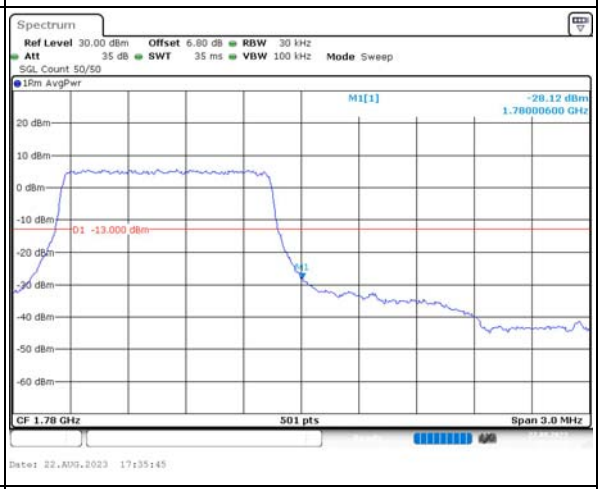
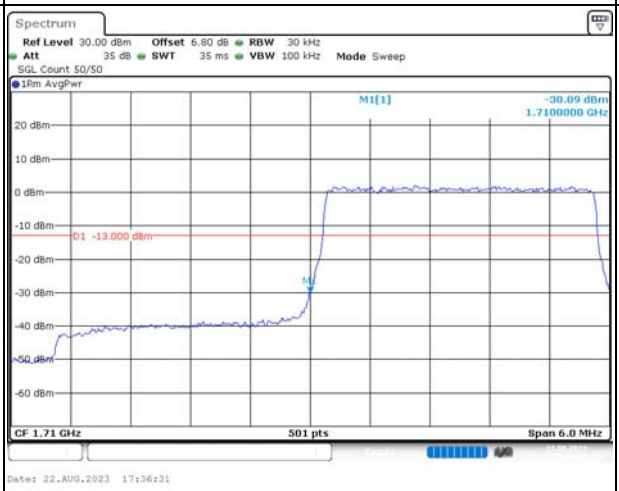
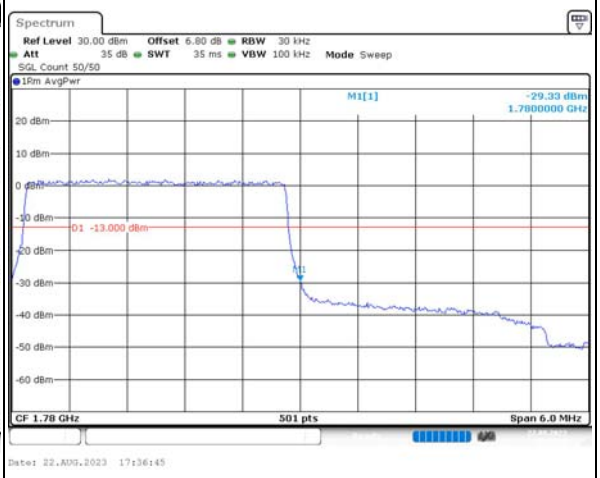
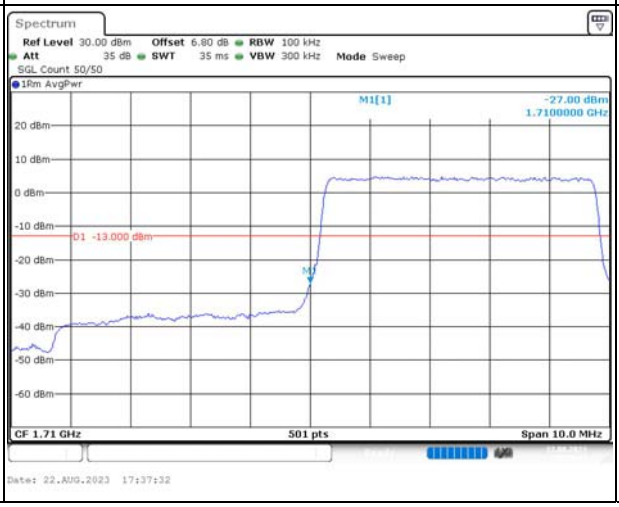
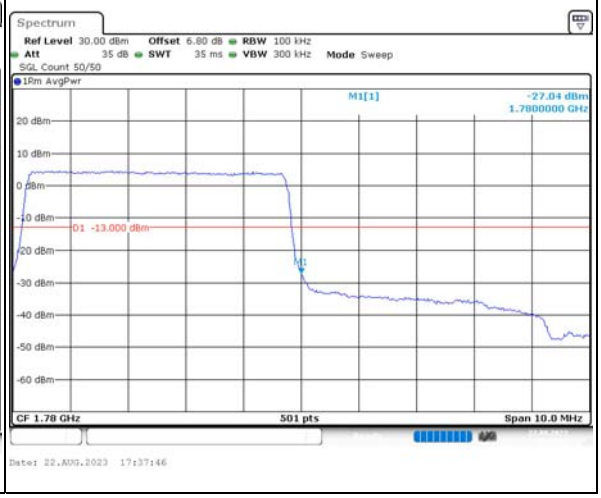
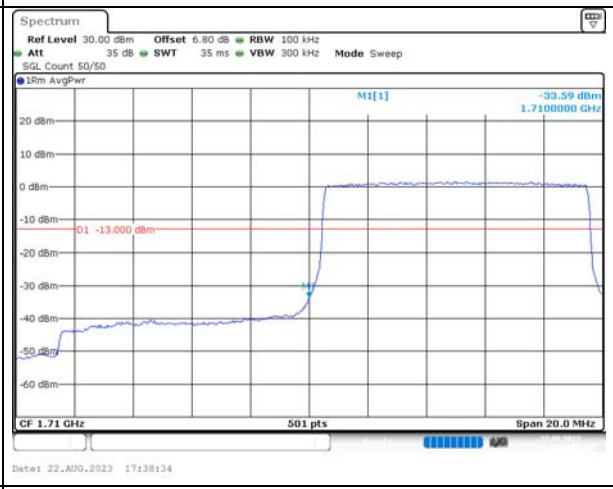
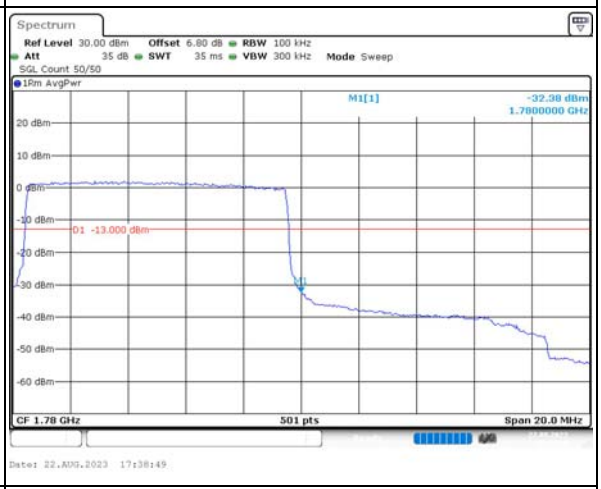
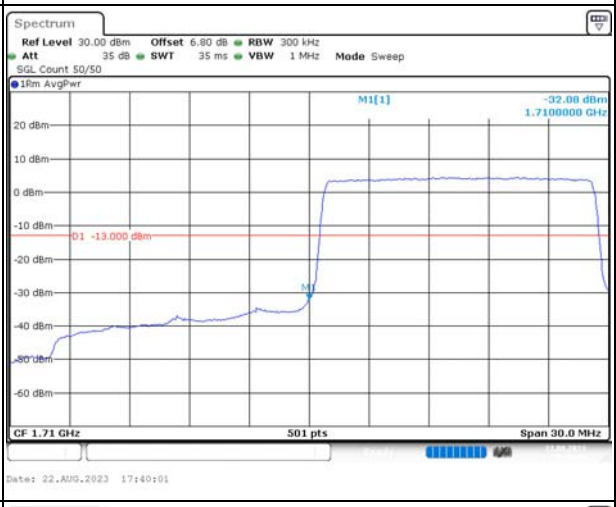
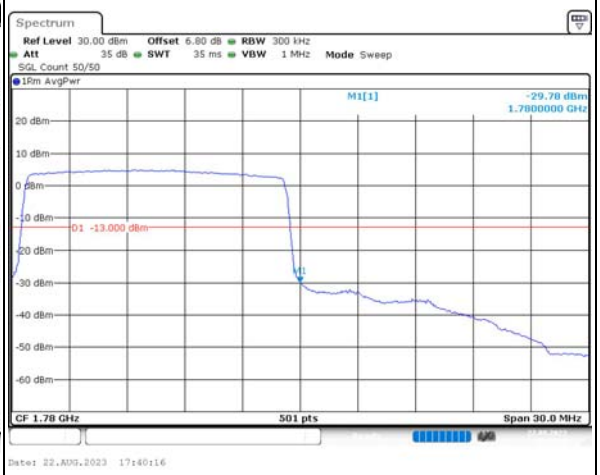
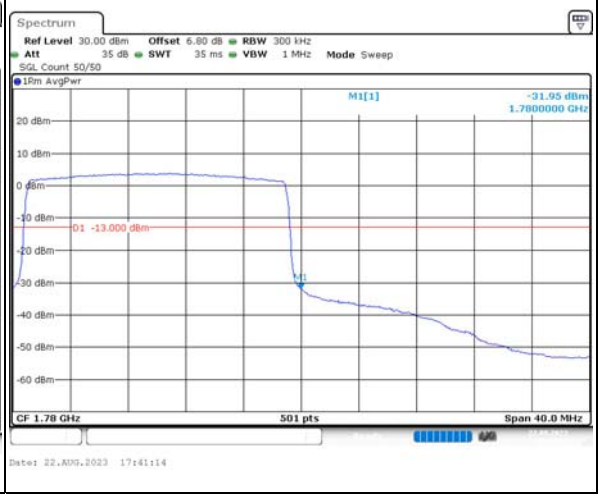
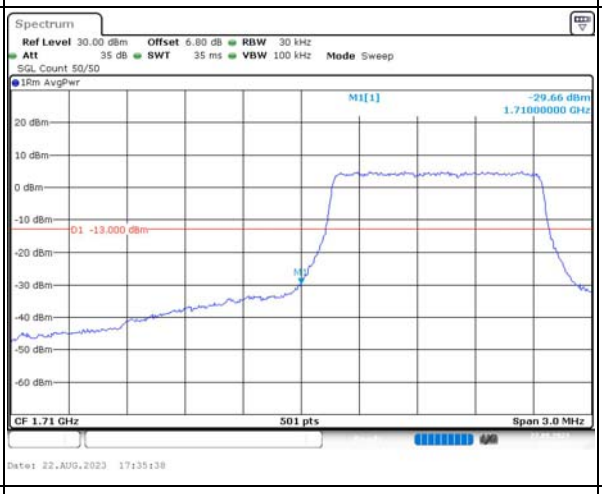
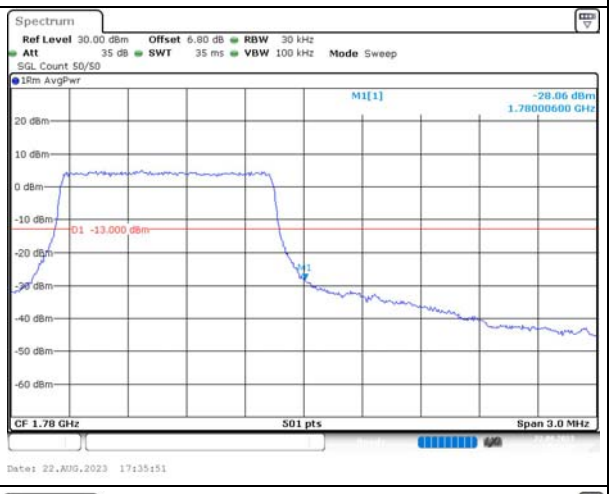
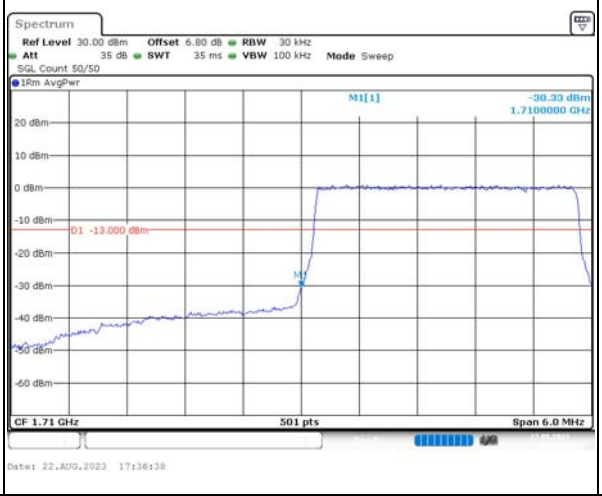
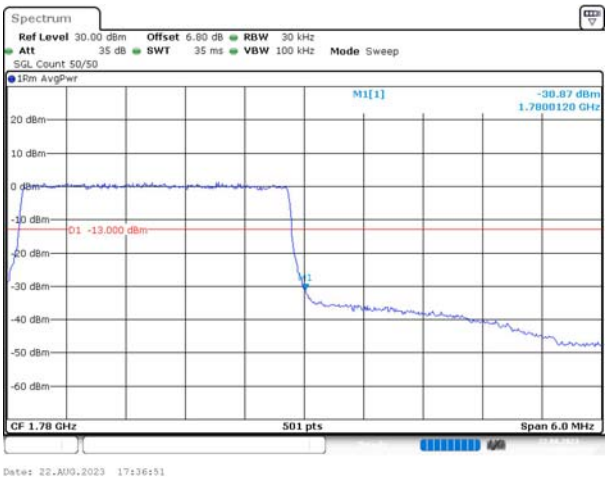
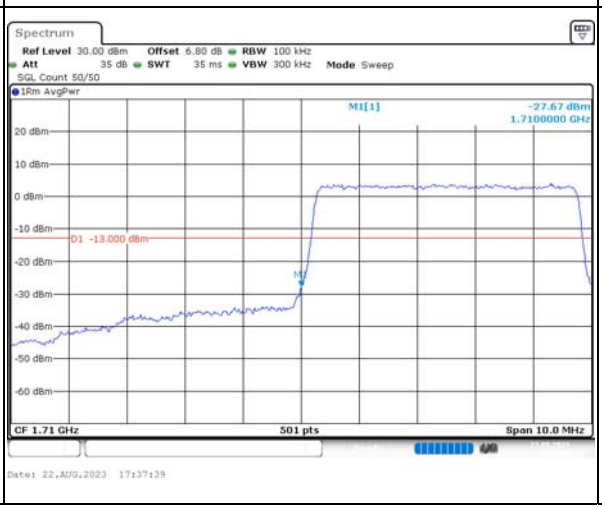
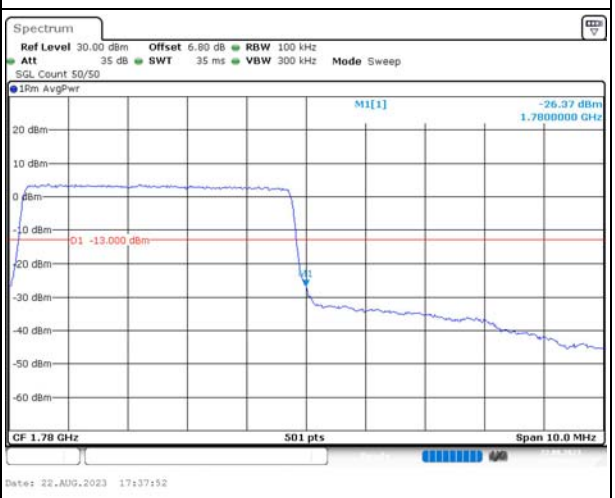
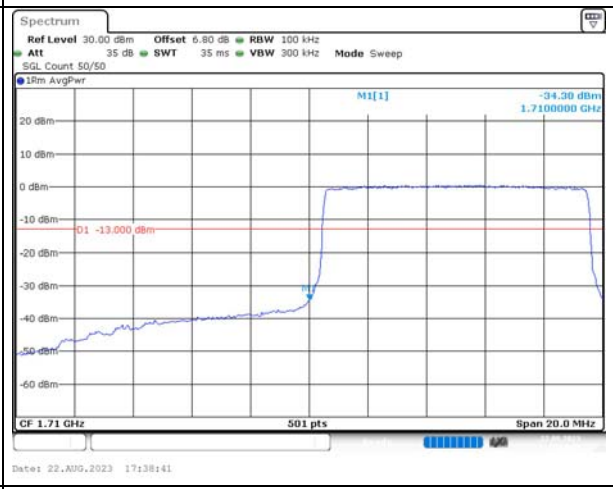
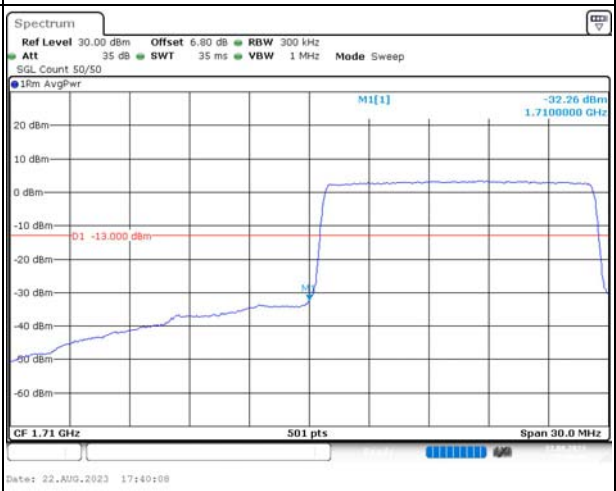
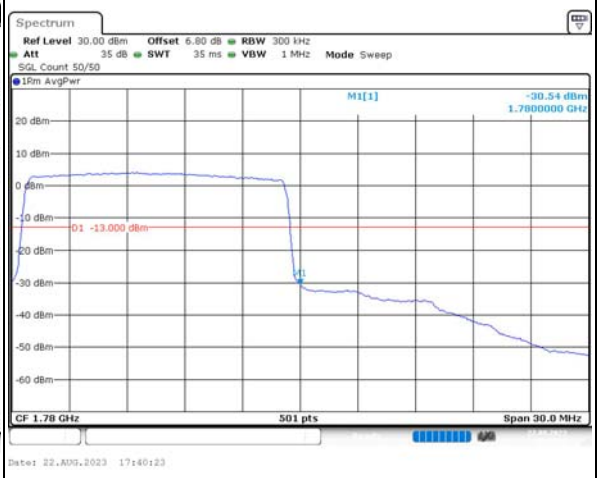
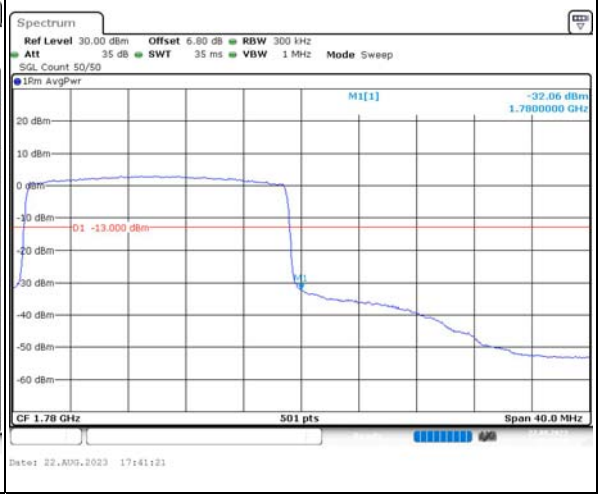
Spurious Emissions at Antenna Terminal		
Channel	**20MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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

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

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

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

4.11 Antenna Port Test Data and Results for LTE Band 71

Serial Number:	2941-1	Test Date:	2023/8/16~2023/8/22
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.2~27.2	Relative Humidity: (%)	43~58	ATM Pressure: (kPa)	99.8~101.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	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
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Power Splitter	1515	RA914	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	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)
5MHz	665.5	680.5	695.5
10MHz	668	680.5	693
15MHz	670.5	680.5	690.5
20MHz	673	680.5	688

Test Data:

FCC§2.1046;§ 27.50(c) (10)						
RF Output Power:						
Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	23.17	22.97	22.98	24.09	34.77
	RB1#13	23.43	23.02	23.12		
	RB1#24	23.22	22.85	23.16		
	RB15#0	22.36	22.11	21.98		
	RB15#10	22.47	22.03	22.1		
	RB25#0	22.34	21.98	22.02		
5MHz 16QAM	RB1#0	21.66	22.29	21.57	22.98	34.77
	RB1#13	21.88	22.32	21.73		
	RB1#24	21.37	21.8	21.89		
	RB15#0	21.24	21.13	20.86		
	RB15#10	21.18	21.07	21.16		
	RB25#0	21.4	21.02	20.98		
10MHz QPSK	RB1#0	23.45	23.01	22.96	24.11	34.77
	RB1#25	23.35	23.25	23.03		
	RB1#49	23.29	22.98	23.03		
	RB25#0	22.26	22.04	22.01		
	RB25#25	22.03	22.04	22.22		
	RB50#0	22.26	22.14	22.14		
10MHz 16QAM	RB1#0	22.56	22.65	22.99	23.72	34.77
	RB1#25	22.85	23.06	23.03		
	RB1#49	22.21	22.58	22.81		
	RB25#0	21.4	21.23	21.02		
	RB25#25	21.29	21.07	21.2		
	RB50#0	21.37	21.17	21.1		
15MHz QPSK	RB1#0	23.31	23.04	22.64	23.97	34.77
	RB1#38	23.02	22.96	22.92		
	RB1#74	23.22	23.07	22.88		
	RB36#0	22.12	22.19	21.9		
	RB36#39	22.1	21.99	22.1		
	RB75#0	22.09	22.12	21.86		
15MHz 16QAM	RB1#0	22.66	22.19	22	23.78	34.77
	RB1#38	23.12	22.37	22.38		
	RB1#74	22.86	21.9	22.53		
	RB36#0	21.29	21.12	20.84		
	RB36#39	21.39	21.01	21		
	RB75#0	21.31	21.16	20.93		
20MHz QPSK	RB1#0	23.16	22.92	22.58	23.89	34.77
	RB1#50	23.23	23.21	22.98		
	RB1#99	22.99	22.78	23.06		

	RB50#0	22.06	22.04	21.72		
	RB50#50	22.1	21.81	21.93		
	RB100#0	22.09	22.01	21.83		
20MHz 16QAM	RB1#0	22.11	21.76	22.43	23.58	34.77
	RB1#50	22.18	22.21	22.58		
	RB1#99	21.54	21.54	22.92		
	RB50#0	21.11	21.24	20.8		
	RB50#50	21.27	20.97	20.98		
	RB100#0	21.09	21.07	20.9		
Note: ERP= Conducted Power(dBm) - L_C(dB) + G_T(dBd) G_T(dBd)=G_T(dBi)-2.15						
Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)						
					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	3.97	4.43	13
	RB100#0	4.14	4.03	4.03	13
20MHz 16QAM	RB1#0	5.07	4.64	5.33	13
	RB100#0	5.59	5.74	5.59	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	4.358	4.511	4.511	4.358	5.02	5.02
5MHz 16QAM	4.531	4.531	4.531	5.02	5.04	5.04
10MHz QPSK	8.902	8.942	8.942	9.68	9.68	9.68
10MHz 16QAM	8.942	8.942	8.942	9.64	9.72	9.72
15MHz QPSK	13.533	13.353	13.473	14.88	14.7	14.82
15MHz 16QAM	13.533	13.473	13.473	14.76	14.7	14.82
20MHz QPSK	17.884	17.804	17.964	19.36	19.44	19.44
20MHz 16QAM	17.884	17.804	17.964	19.44	19.28	19.52
Note: The test plots please refer to the Plots of Occupied Bandwidth						

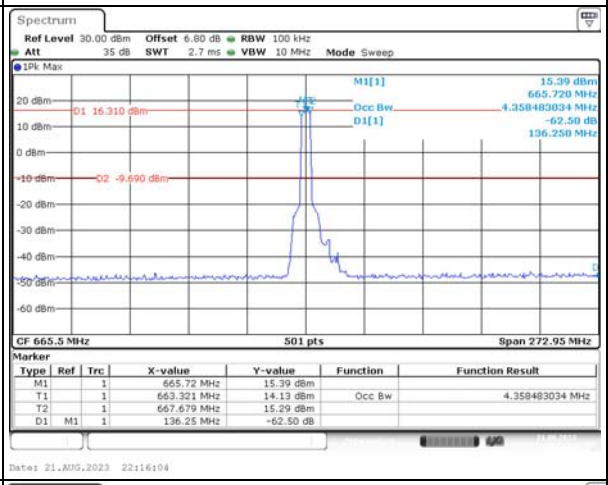
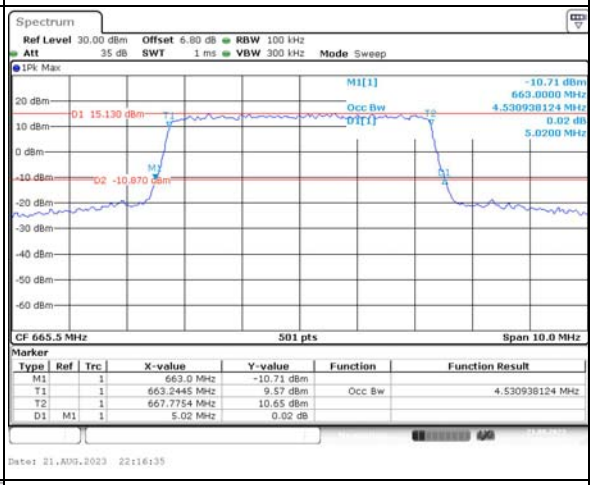
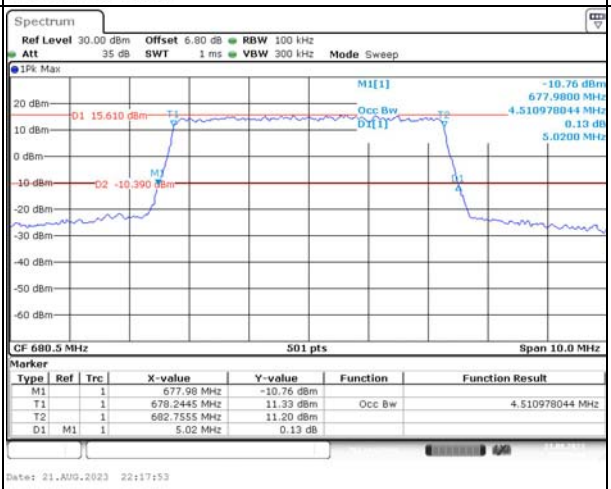
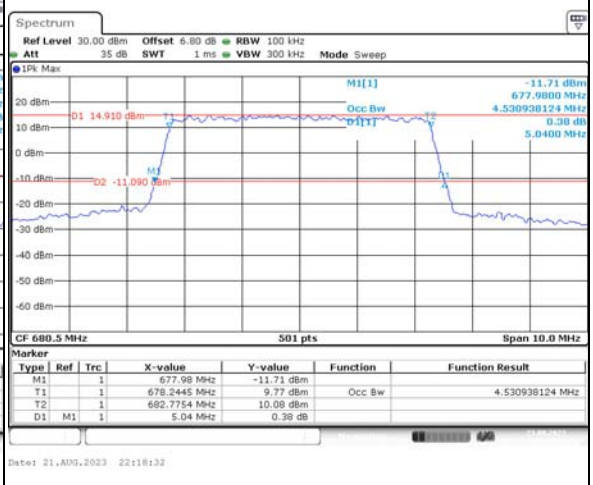
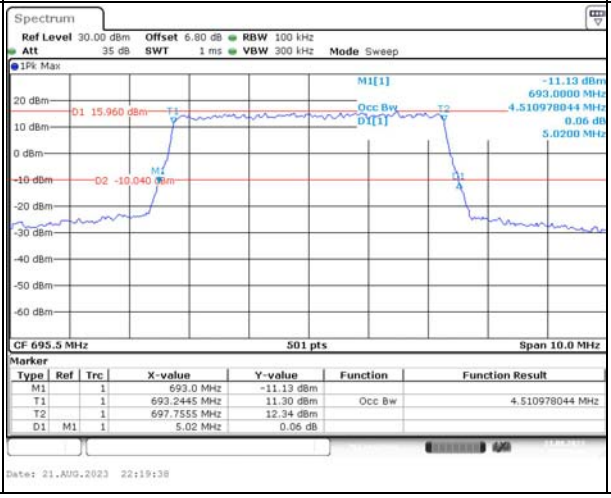
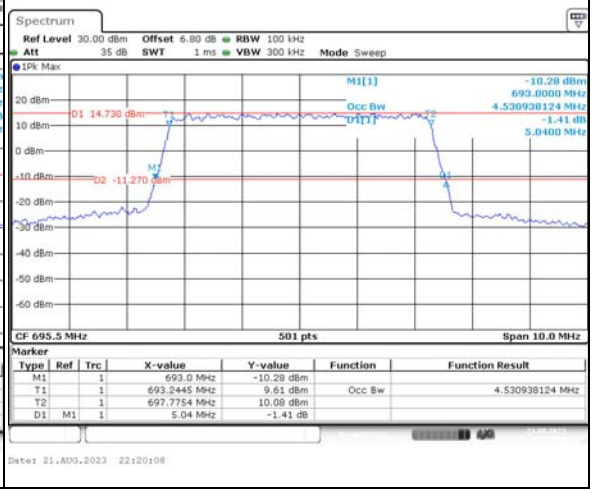
FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal	
Result:	**Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.**

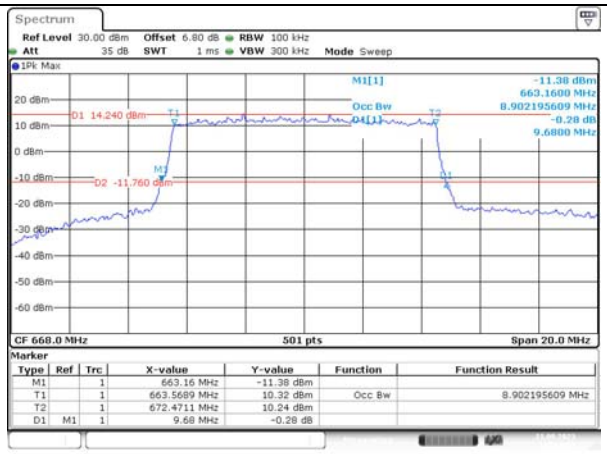
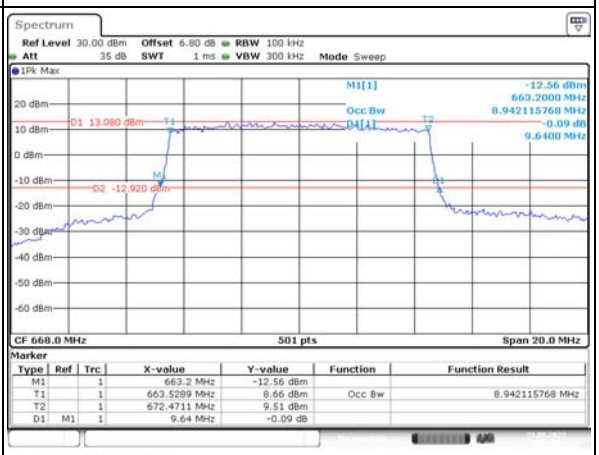
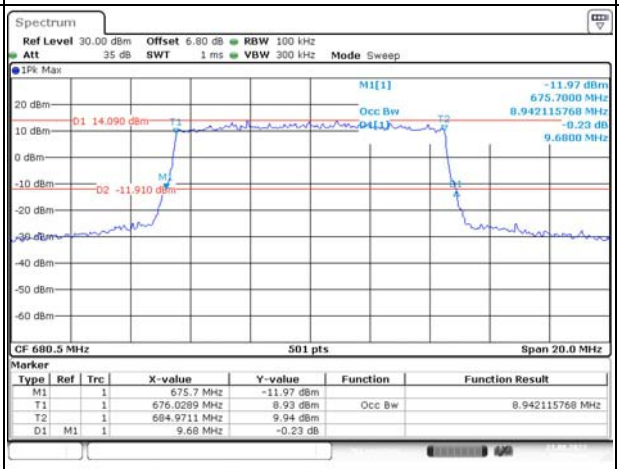
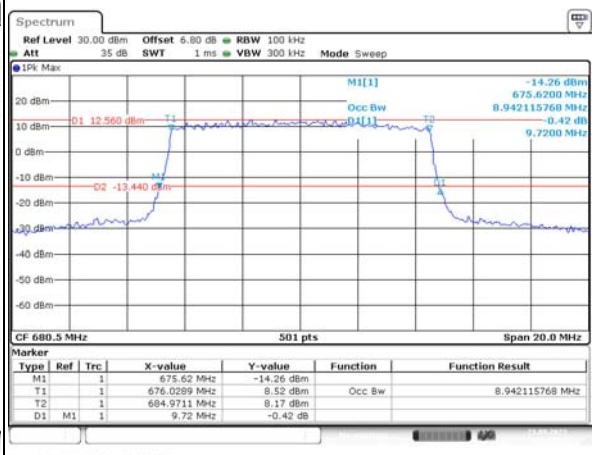
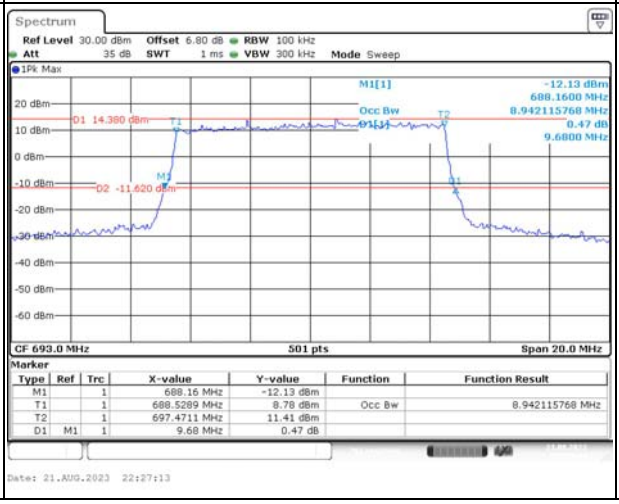
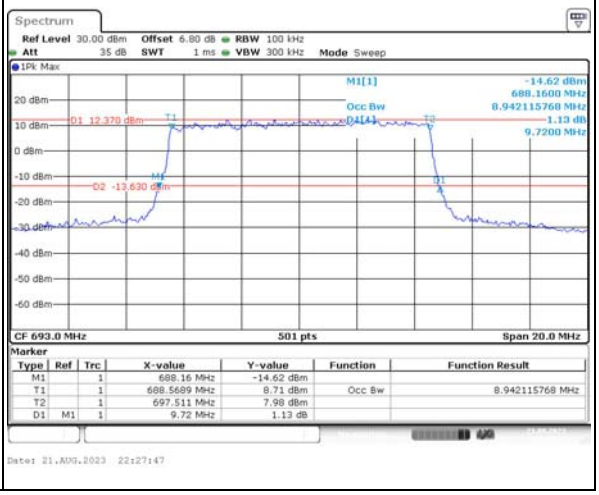
FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	**Pass, Please refer to the test plots of Out of band emission, Band Edge.**

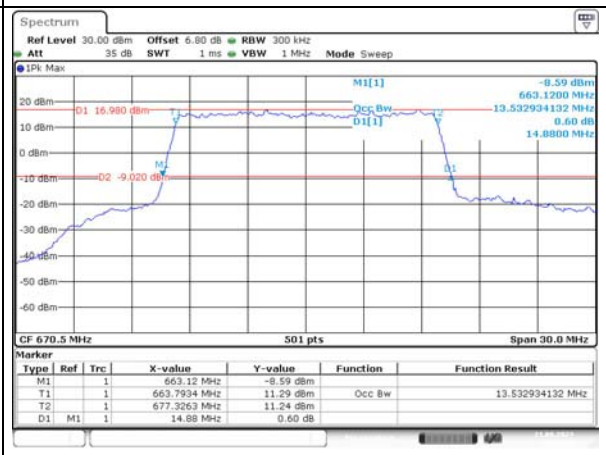
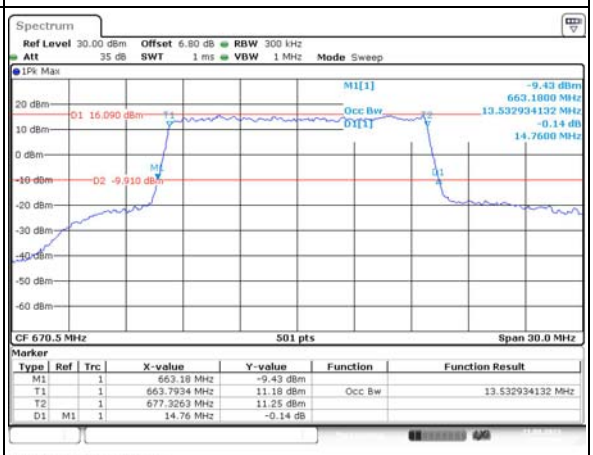
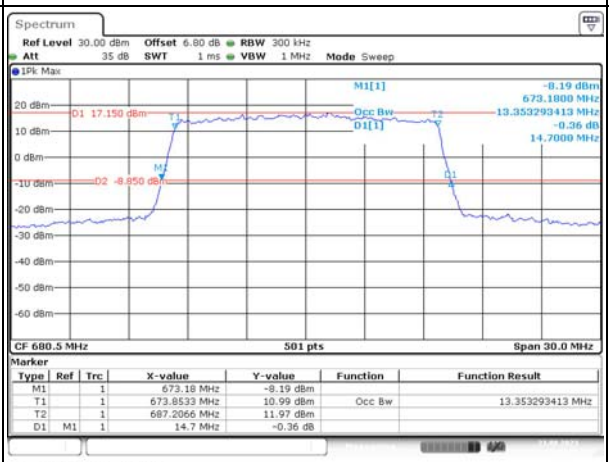
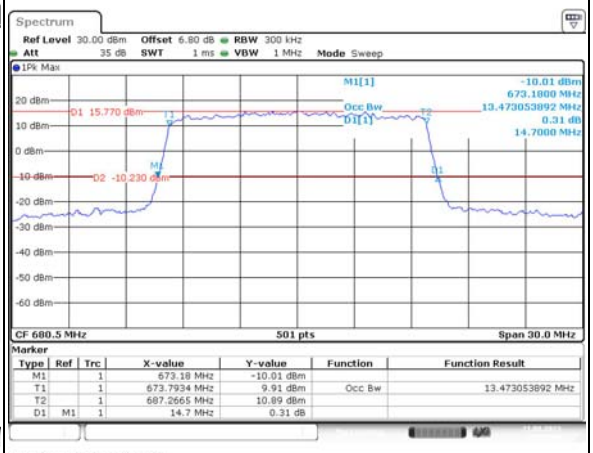
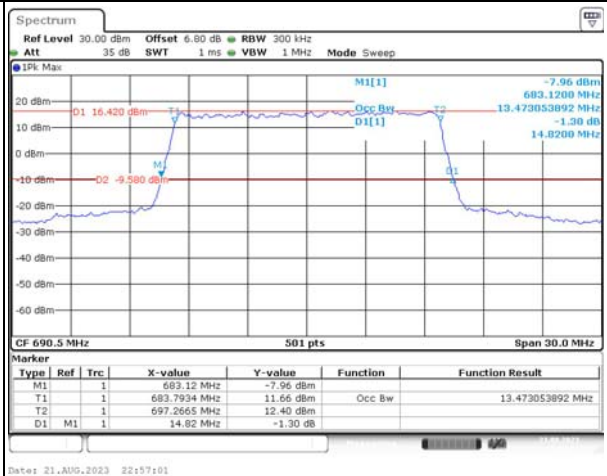
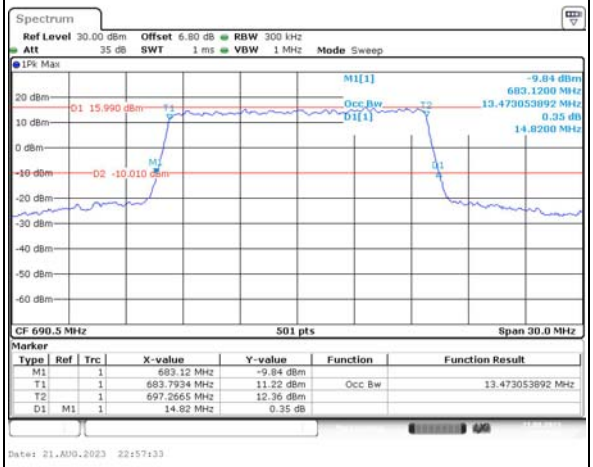
FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (℃)	Voltage (V_{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	24	664.144	663.00	697.091	698.00
	-20	24	664.149	663.00	697.063	698.00
	-10	24	664.089	663.00	697.013	698.00
	0	24	664.063	663.00	697.098	698.00
	10	24	664.150	663.00	697.033	698.00
	20	24	664.138	663.00	697.022	698.00
	30	24	664.095	663.00	697.087	698.00
	40	24	664.077	663.00	697.075	698.00
	50	24	664.093	663.00	697.012	698.00
Frequency Stability vs. Voltage	20	12	664.154	663.00	697.061	698.00
	20	48	664.143	663.00	697.065	698.00
					Result:	**Pass**

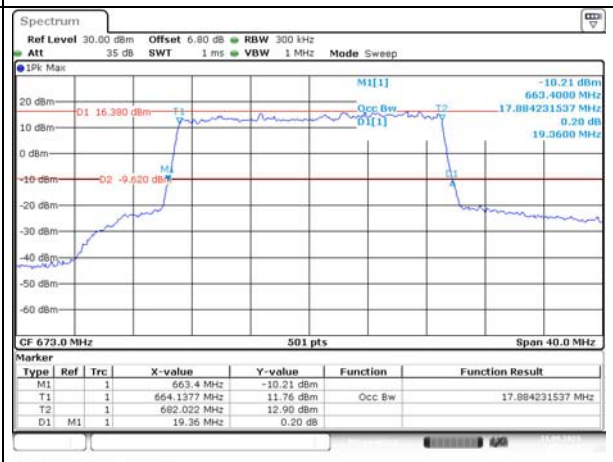
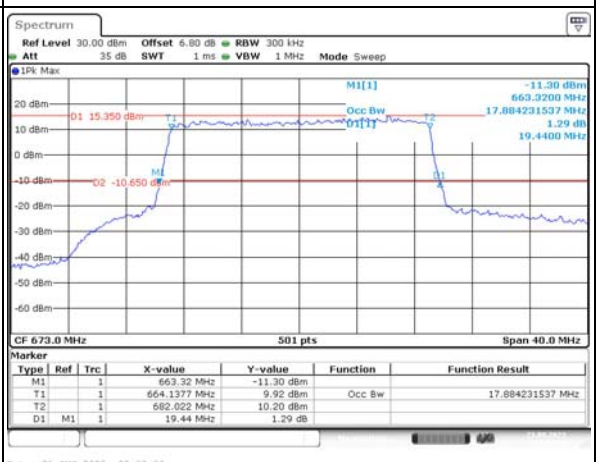
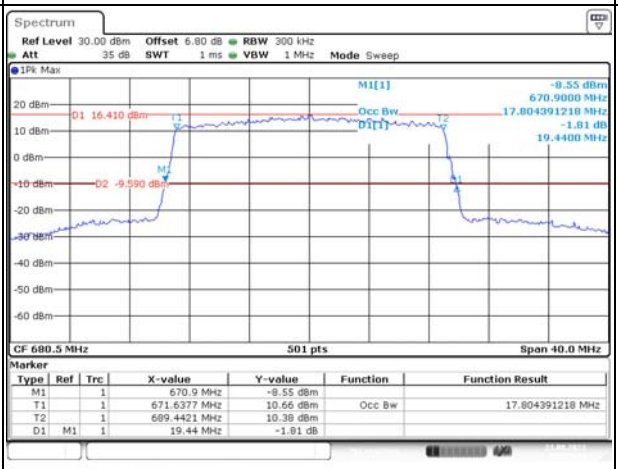
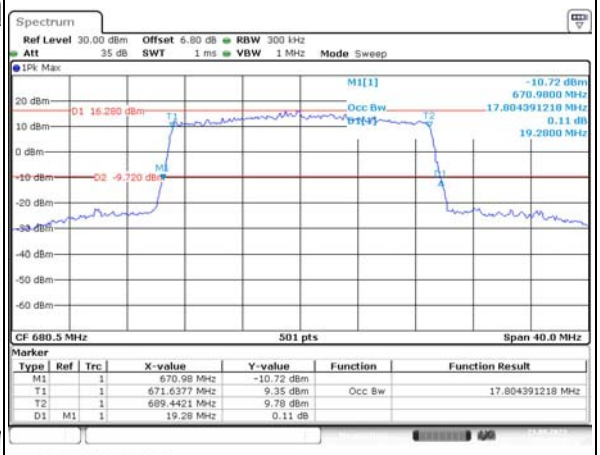
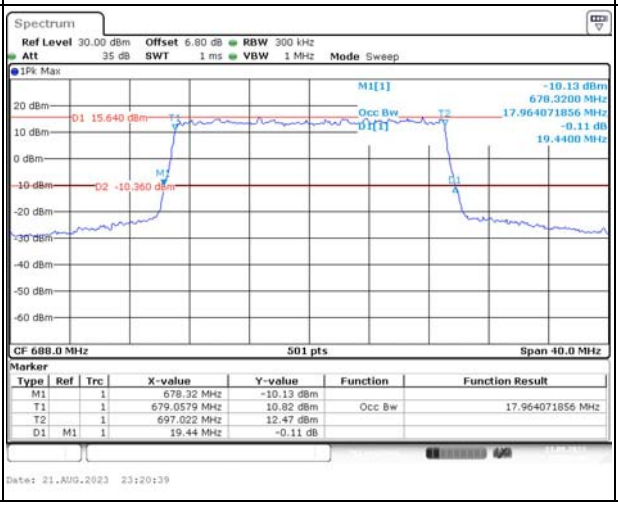
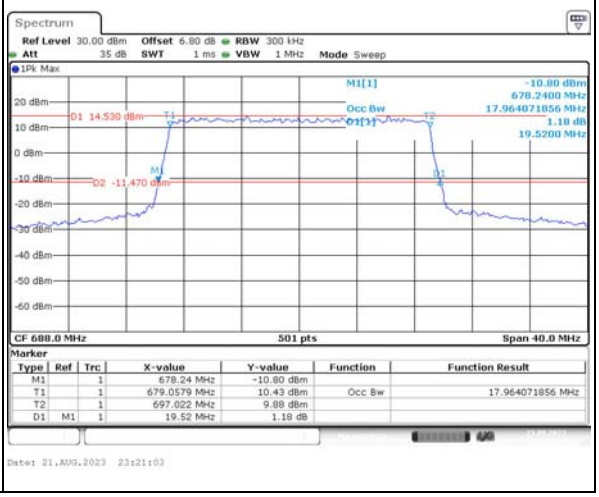
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature(℃)	Voltage(V_{DC})	Lower Edge(MHz)		Upper Edge(MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	12	664.099	663.00	697.085	698.00
	-20	12	664.113	663.00	697.003	698.00
	-10	12	664.126	663.00	697.040	698.00
	0	12	664.093	663.00	697.050	698.00
	10	12	664.091	663.00	697.055	698.00
	20	12	664.138	663.00	697.022	698.00
	30	12	664.076	663.00	697.049	698.00
	40	12	664.095	663.00	697.029	698.00
	50	12	664.071	663.00	697.024	698.00
Frequency Stability vs. Voltage	20	12	664.114	663.00	697.094	698.00
	20	48	664.097	663.00	697.087	698.00
					Result:	**Pass**

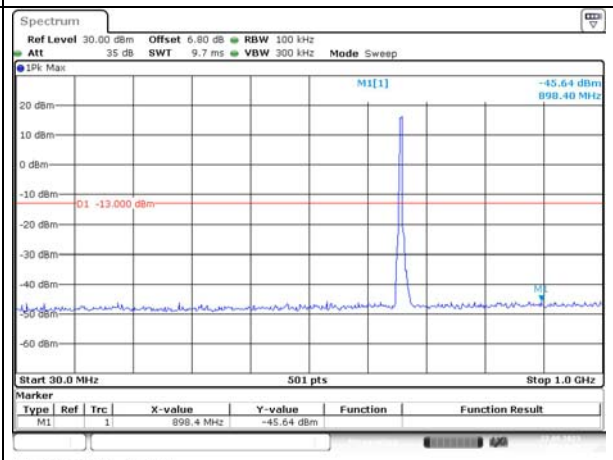
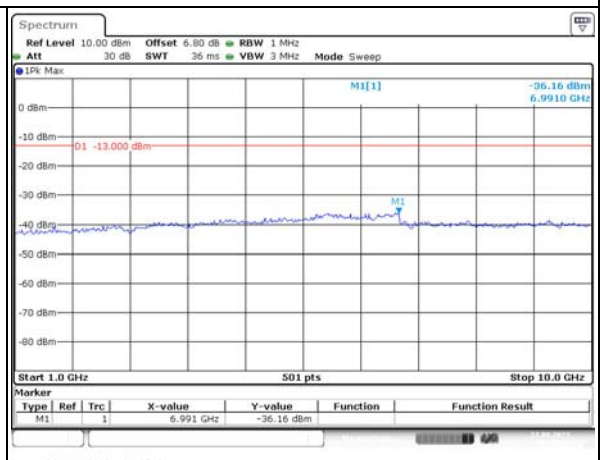
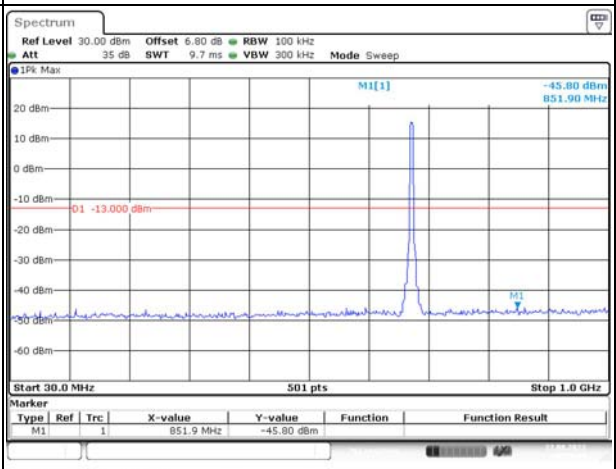
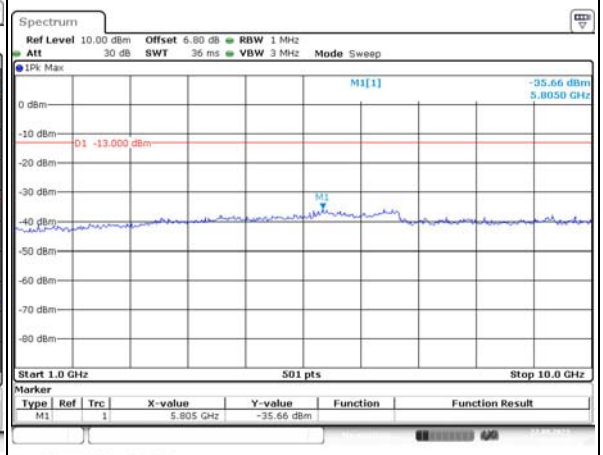
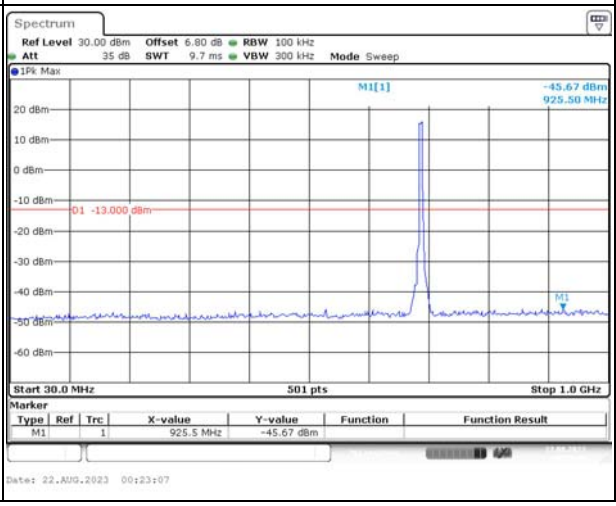
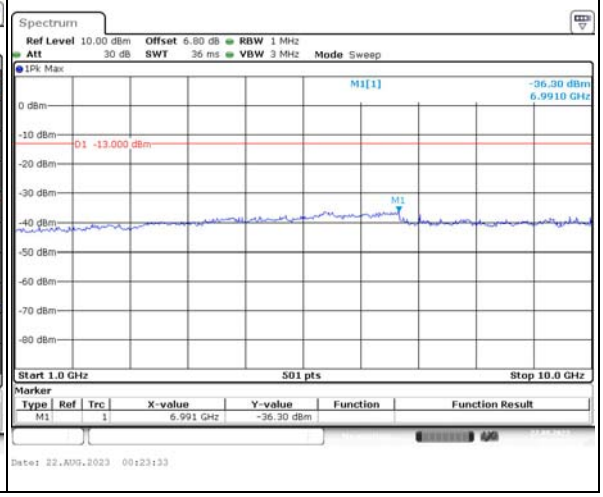
Test Plots(Note: The 6.8dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

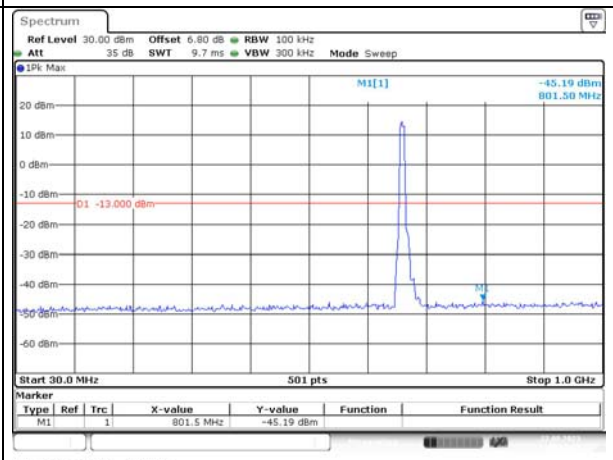
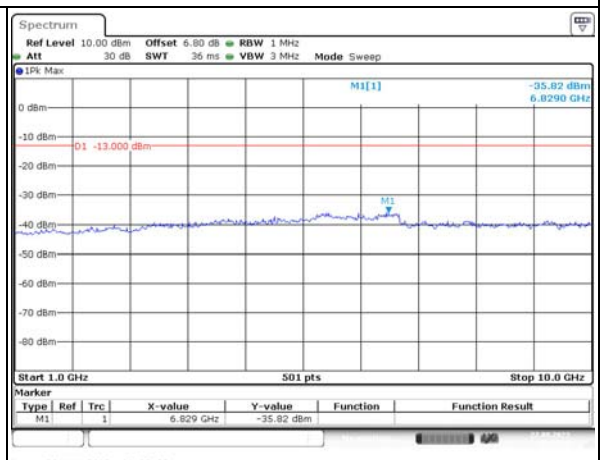
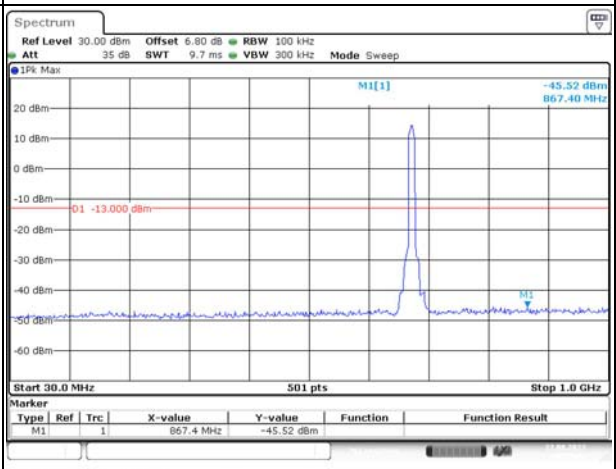
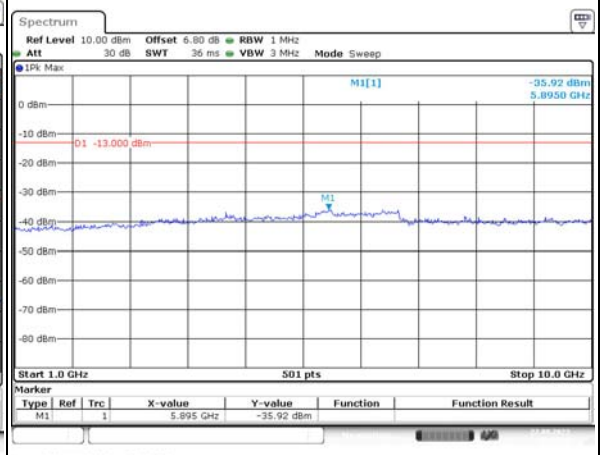
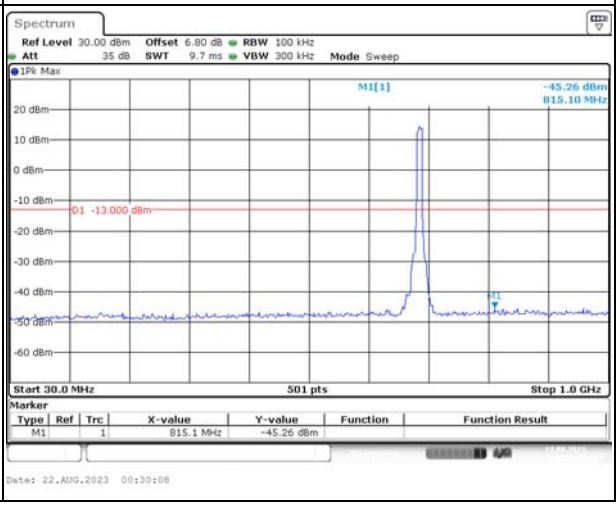
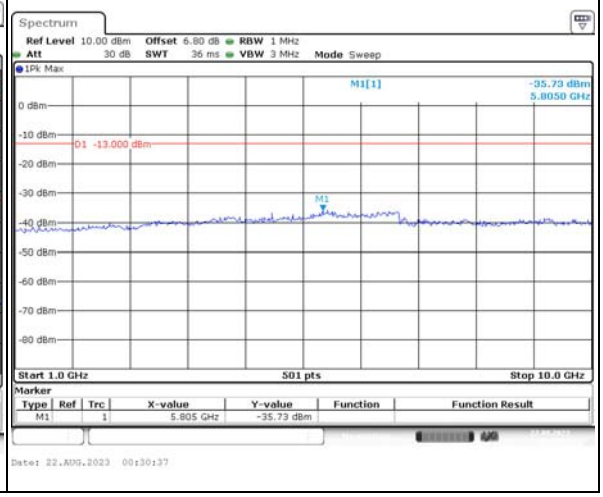
Occupied Bandwidth		
Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

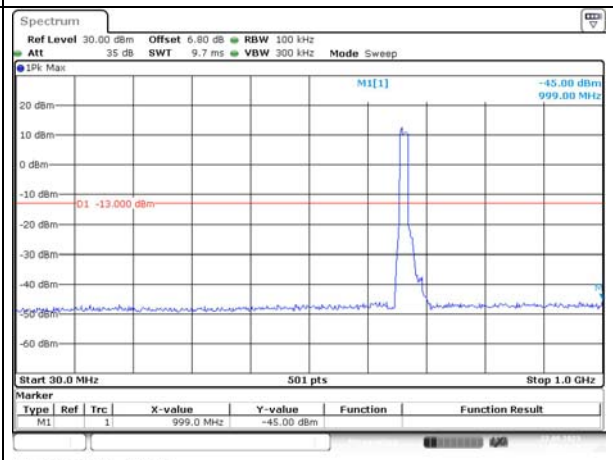
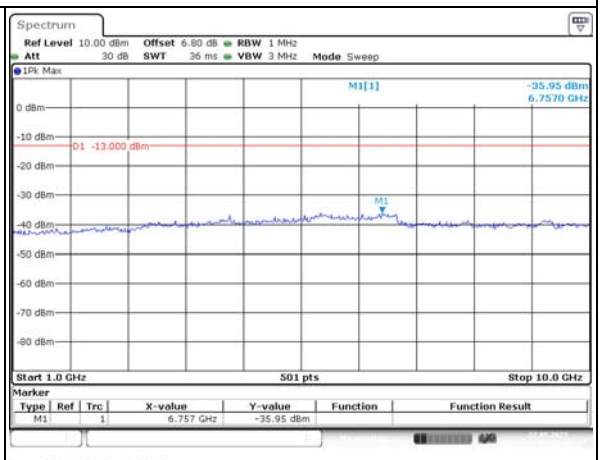
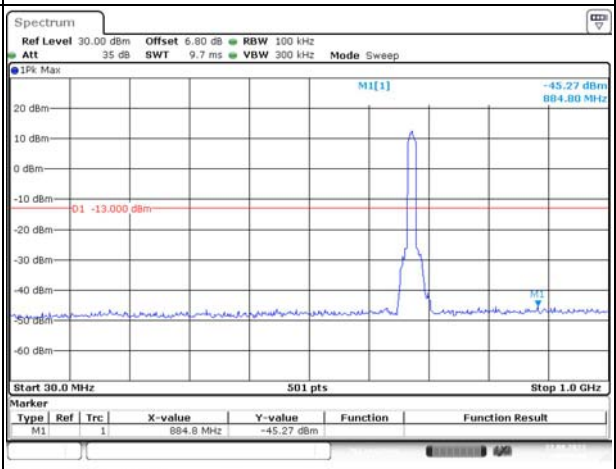
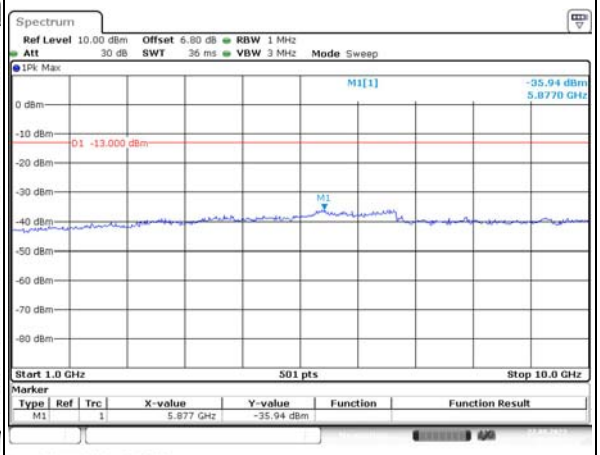
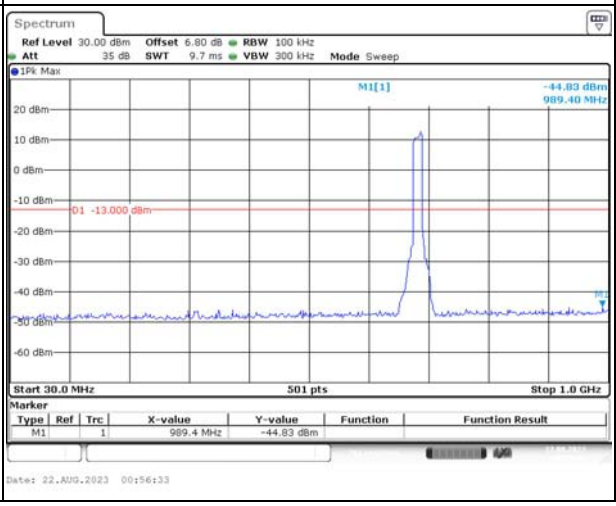
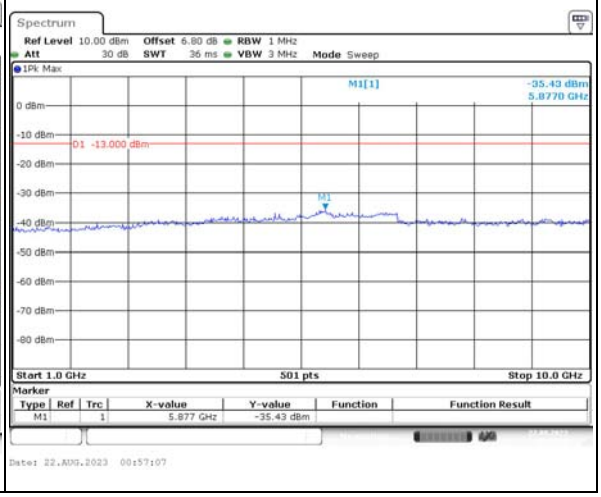
Occupied Bandwidth		
Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

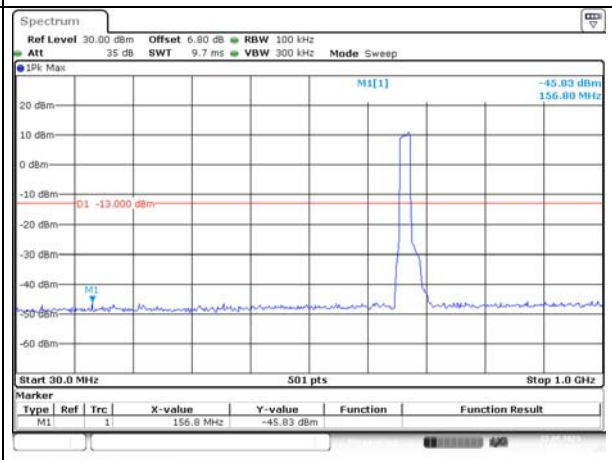
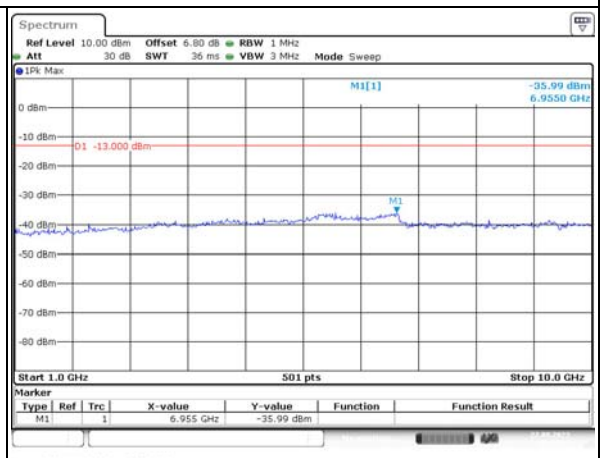
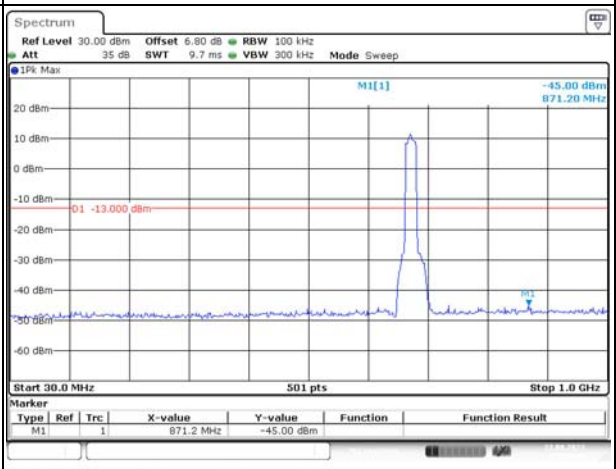
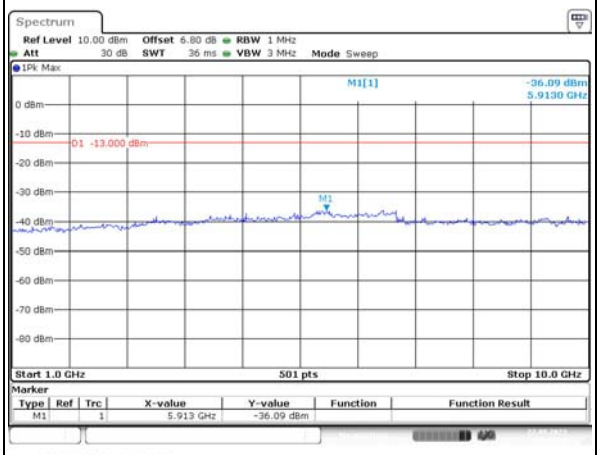
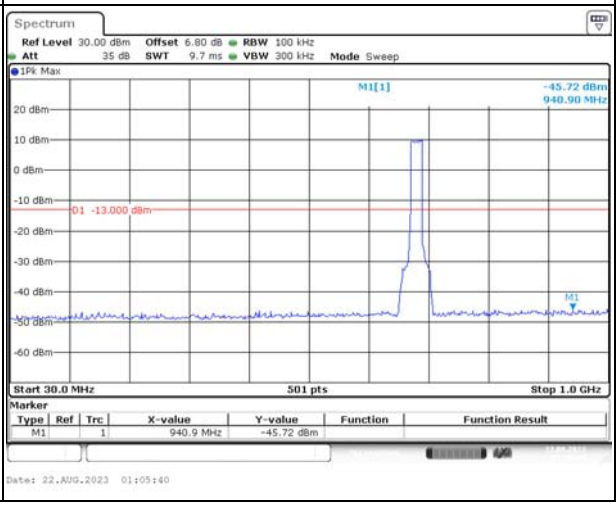
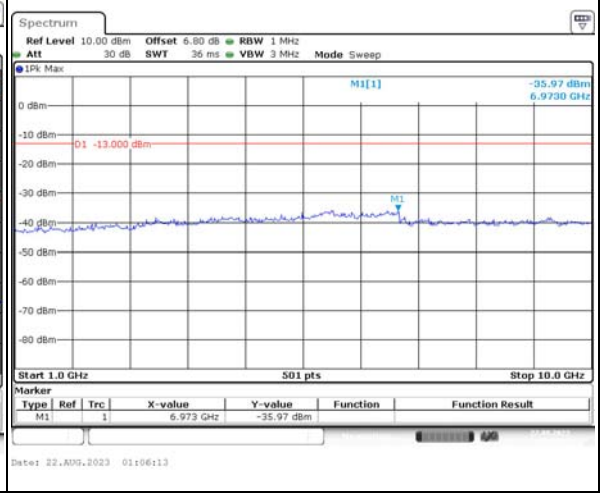
Occupied Bandwidth		
Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

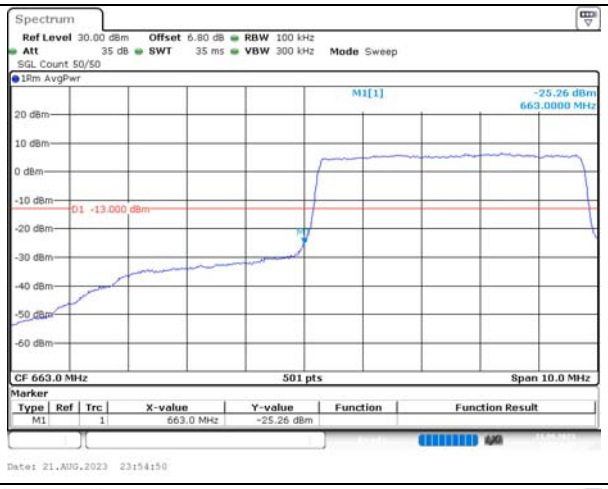
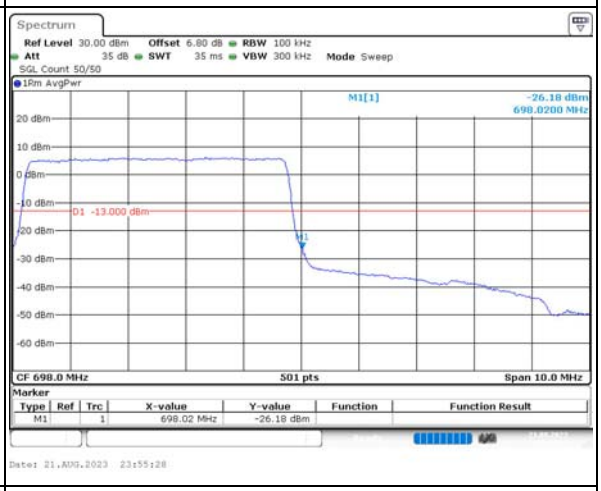
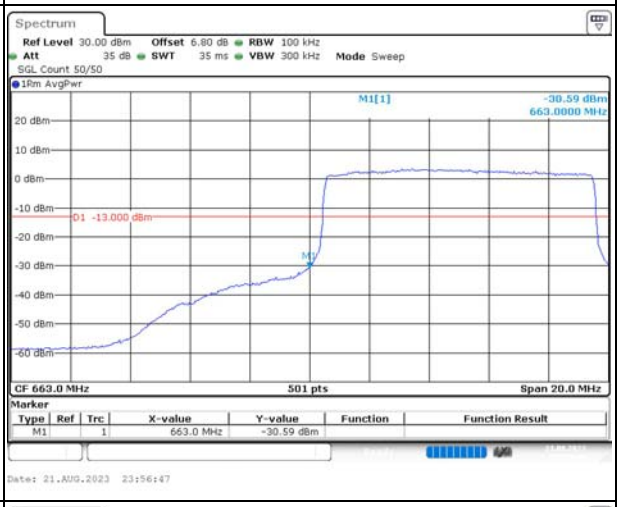
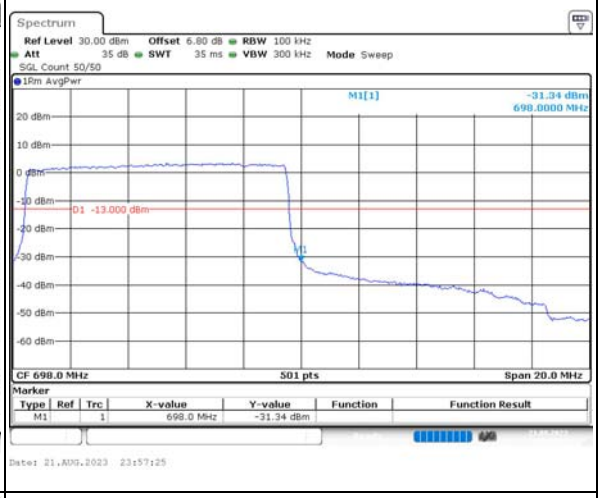
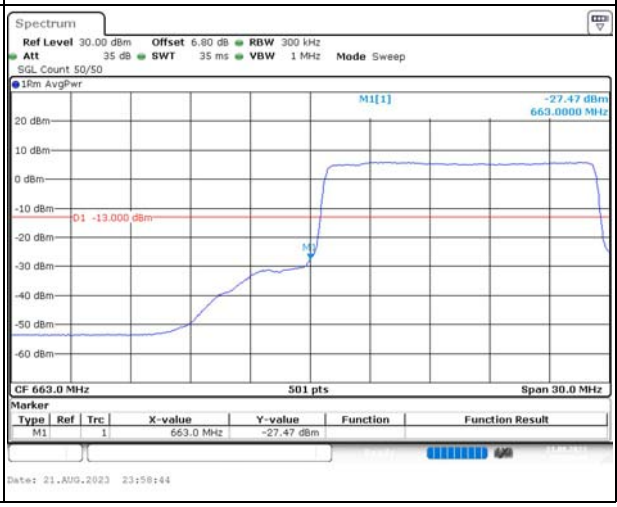
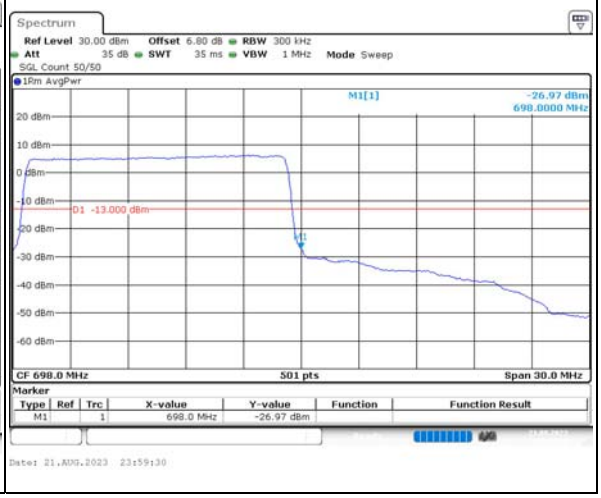
Occupied Bandwidth		
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

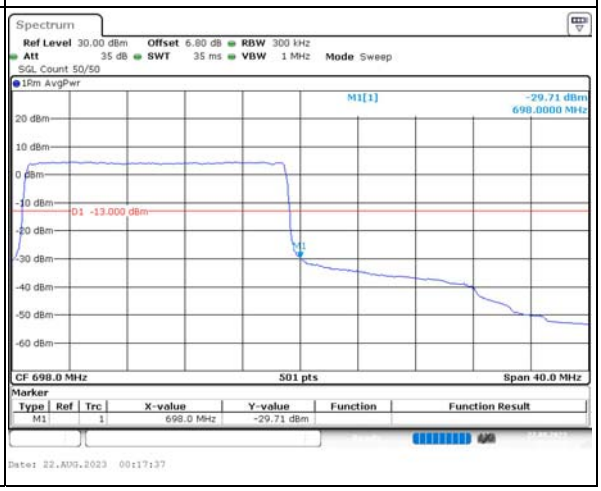
Spurious Emissions at Antenna Terminal		
Channel	**5MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

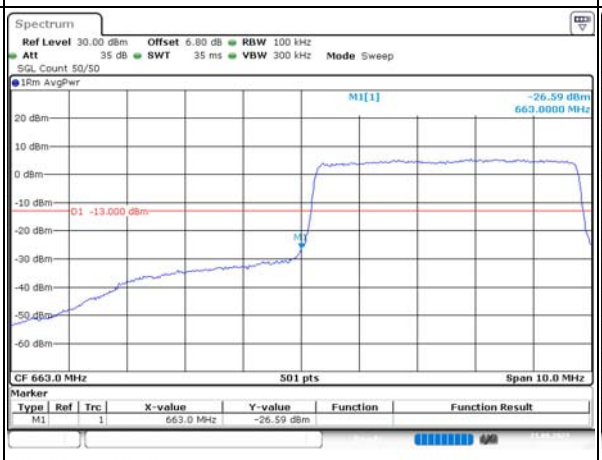
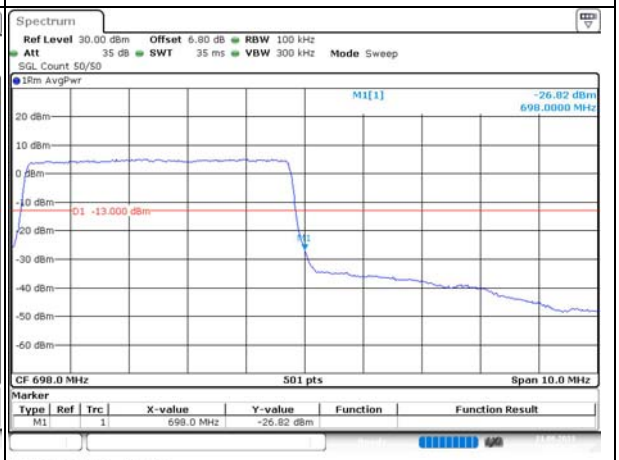
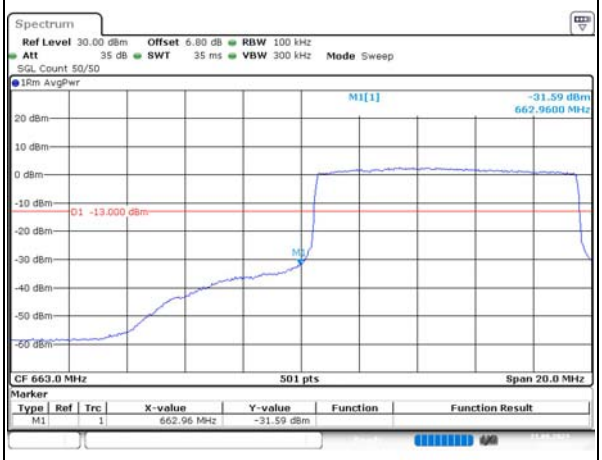
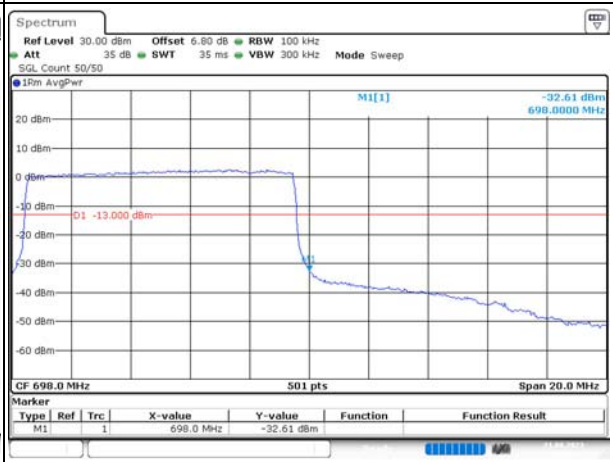
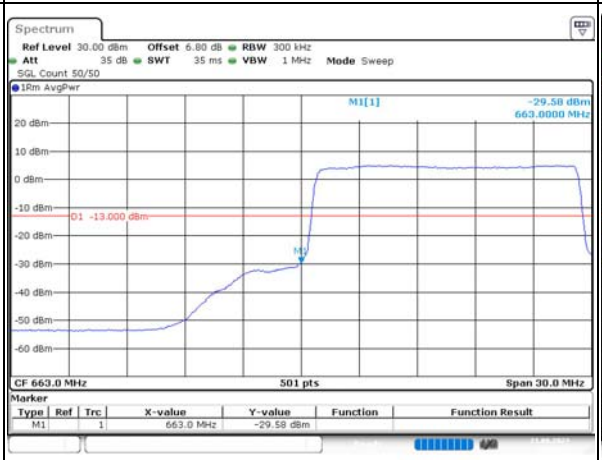
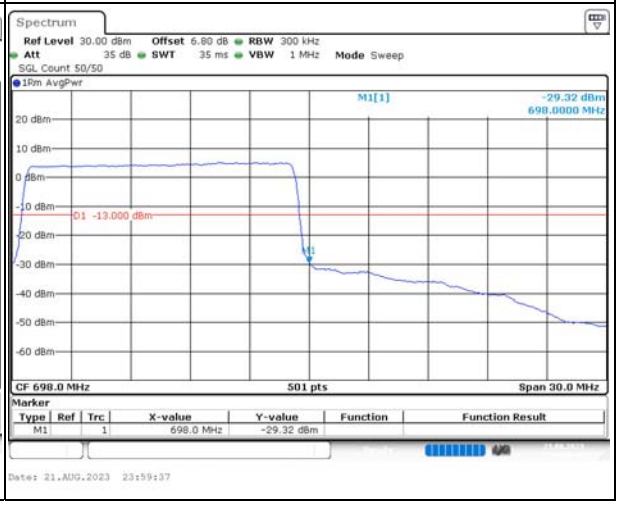
Spurious Emissions at Antenna Terminal		
Channel	**10MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

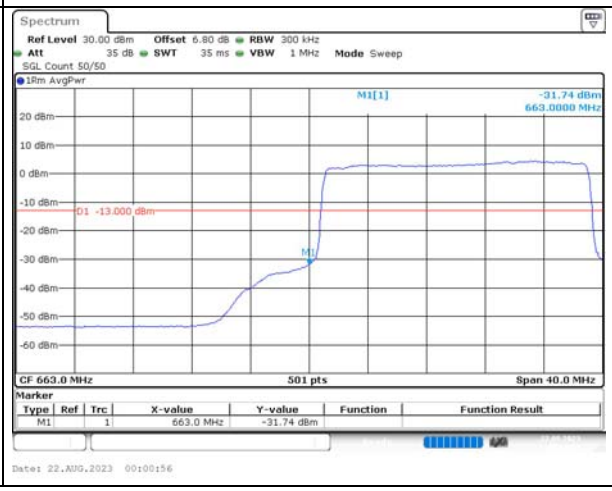
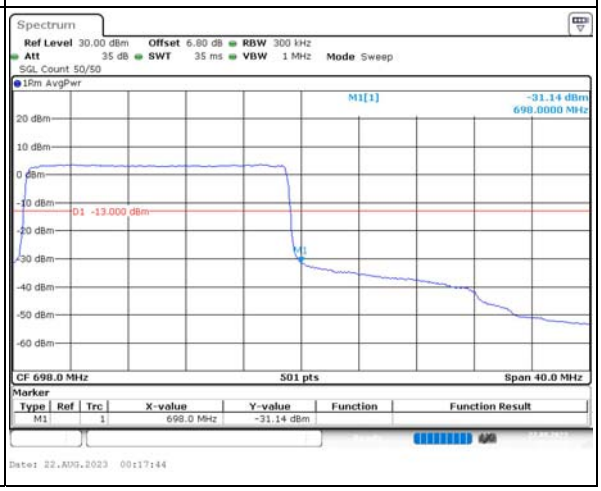
Spurious Emissions at Antenna Terminal		
Channel	**15MHz Bandwidth QPSK**	
Lowest		
Middle		
Highest		

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		

4.12 Radiated Spurious Emissions

Serial Number:	2941-1	Test Date:	2023/8/16~2023/8/18
Test Site:	966-1, 966-2	Test Mode:	Transmitting
Tester:	Vic Du,Mack Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26.4~27.4	Relative Humidity: (%)	64~69	ATM Pressure: (kPa)	99.7~100.1

Test Equipment List and Details:

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

Cellular Band (PART 22H)

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								
716.79	H	20.71	-52.27	0.00	0.50	-52.77	-13.00	39.77
157.27	V	20.09	-56.60	0.00	0.23	-56.83	-13.00	43.83
1652.800	H	36.12	-68.21	8.68	0.81	-60.34	-13.00	47.34
1652.800	V	35.48	-68.93	8.68	0.81	-61.06	-13.00	48.06
2479.200	H	36.23	-64.53	9.39	1.01	-56.15	-13.00	43.15
2479.200	V	36.07	-64.66	9.39	1.01	-56.28	-13.00	43.28
3305.600	H	35.85	-60.88	10.32	1.15	-51.71	-13.00	38.71
3305.600	V	35.69	-60.81	10.32	1.15	-51.64	-13.00	38.64
WCDMA Band 5 Frequency:836.6MHz								
143.58	H	20.01	-60.67	0.00	0.22	-60.89	-13.00	47.89
721.83	V	21.52	-47.92	0.00	0.50	-48.42	-13.00	35.42
1673.200	H	36.54	-67.77	8.71	0.85	-59.91	-13.00	46.91
1673.200	V	37.01	-67.40	8.71	0.85	-59.54	-13.00	46.54
2509.800	H	35.40	-65.21	9.42	1.01	-56.80	-13.00	43.80
2509.800	V	35.93	-64.69	9.42	1.01	-56.28	-13.00	43.28
3346.400	H	36.11	-61.06	10.34	1.16	-51.88	-13.00	38.88
3346.400	V	35.89	-61.14	10.34	1.16	-51.96	-13.00	38.96
WCDMA Band 5 Frequency:846.6MHz								
704.36	H	20.43	-52.80	0.00	0.55	-53.35	-13.00	40.35
445.14	V	20.35	-53.41	0.00	0.43	-53.84	-13.00	40.84
1693.200	H	38.71	-65.59	8.73	0.89	-57.75	-13.00	44.75
1693.200	V	43.07	-61.35	8.73	0.89	-53.51	-13.00	40.51
2539.800	H	36.41	-63.97	9.46	1.01	-55.52	-13.00	42.52
2539.800	V	35.47	-64.87	9.46	1.01	-56.42	-13.00	43.42
3386.400	H	36.25	-61.34	10.35	1.18	-52.17	-13.00	39.17
3386.400	V	36.11	-61.43	10.35	1.18	-52.26	-13.00	39.26

PCS Band (PART 24E)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
271.33	H	44.55	-66.85	0.00	0.31	-67.16	-13.00	54.16
66.27	V	43.38	-60.50	-6.98	0.15	-67.63	-13.00	54.63
3704.800	H	35.77	-61.49	10.60	1.25	-52.14	-13.00	39.14
3704.800	V	36.02	-61.21	10.60	1.25	-51.86	-13.00	38.86
5557.200	H	36.25	-57.03	11.43	1.49	-47.09	-13.00	34.09
5557.200	V	35.69	-57.44	11.43	1.49	-47.50	-13.00	34.50
WCDMA Band II, Frequency:1880 MHz								
271.33	H	43.36	-68.04	0.00	0.31	-68.35	-13.00	55.35
65.80	V	43.31	-60.73	-7.22	0.15	-68.10	-13.00	55.10
3760.000	H	36.11	-60.30	10.66	1.24	-50.88	-13.00	37.88
3760.000	V	36.27	-60.02	10.66	1.24	-50.60	-13.00	37.60
5640.000	H	35.74	-57.71	11.33	1.54	-47.92	-13.00	34.92
5640.000	V	36.03	-57.30	11.33	1.54	-47.51	-13.00	34.51
WCDMA Band II, Frequency:1907.6MHz								
268.48	H	44.07	-67.39	0.00	0.31	-67.70	-13.00	54.70
66.27	V	43.88	-60.00	-6.98	0.15	-67.13	-13.00	54.13
3815.200	H	35.46	-60.39	10.72	1.29	-50.96	-13.00	37.96
3815.200	V	36.71	-58.98	10.72	1.29	-49.55	-13.00	36.55
5722.800	H	36.23	-57.26	11.23	1.58	-47.61	-13.00	34.61
5722.800	V	36.19	-57.16	11.23	1.58	-47.51	-13.00	34.51

AWS Band(Part 27)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV Frequency:				1712.4	MHz			
266.61	H	43.60	-67.91	0.00	0.31	-68.22	-13.00	55.22
66.03	V	44.18	-59.78	-7.10	0.15	-67.03	-13.00	54.03
3424.800	H	37.01	-60.76	10.37	1.17	-51.56	-13.00	38.56
3424.800	V	36.22	-61.52	10.37	1.17	-52.32	-13.00	39.32
5137.200	H	36.34	-57.28	11.28	1.46	-47.46	-13.00	34.46
5137.200	V	35.69	-57.81	11.28	1.46	-47.99	-13.00	34.99
			Frequency:	1732.6	MHz			
273.23	H	43.36	-67.99	0.00	0.32	-68.31	-13.00	55.31
66.27	V	44.61	-59.27	-6.98	0.15	-66.40	-13.00	53.40
3465.200	H	36.13	-61.68	10.39	1.15	-52.44	-13.00	39.44
3465.200	V	35.85	-61.92	10.39	1.15	-52.68	-13.00	39.68
5197.800	H	36.41	-57.72	11.32	1.44	-47.84	-13.00	34.84
5197.800	V	36.10	-57.88	11.32	1.44	-48.00	-13.00	35.00
			Frequency:	1752.6	MHz			
268.49	H	44.11	-67.35	0.00	0.31	-67.66	-13.00	54.66
66.03	V	44.18	-59.78	-7.10	0.15	-67.03	-13.00	54.03
3505.200	H	36.20	-61.63	10.41	1.18	-52.40	-13.00	39.40
3505.200	V	35.46	-62.31	10.41	1.18	-53.08	-13.00	40.08
5257.800	H	36.39	-57.34	11.35	1.47	-47.46	-13.00	34.46
5257.800	V	36.06	-57.45	11.35	1.47	-47.57	-13.00	34.57

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

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1850.7 MHz								
268.48	H	41.08	-70.38	0.00	0.31	-70.69	-13.00	57.69
66.50	V	41.57	-62.23	-6.86	0.15	-69.24	-13.00	56.24
3701.400	H	36.44	-60.87	10.60	1.25	-51.52	-13.00	38.52
3701.400	V	35.89	-61.40	10.60	1.25	-52.05	-13.00	39.05
5552.100	H	36.23	-57.04	11.44	1.49	-47.09	-13.00	34.09
5552.100	V	36.02	-57.08	11.44	1.49	-47.13	-13.00	34.13
QPSK,Frequency:1880 MHz								
270.37	H	43.63	-67.79	0.00	0.31	-68.10	-13.00	55.10
66.26	V	45.24	-58.64	-6.98	0.15	-65.77	-13.00	52.77
3760.000	H	36.46	-59.95	10.66	1.24	-50.53	-13.00	37.53
3760.000	V	36.78	-59.51	10.66	1.24	-50.09	-13.00	37.09
5640.000	H	37.11	-56.34	11.33	1.54	-46.55	-13.00	33.55
5640.000	V	36.23	-57.10	11.33	1.54	-47.31	-13.00	34.31
QPSK,Frequency:1909.3 MHz								
272.28	H	42.98	-68.39	0.00	0.31	-68.70	-13.00	55.70
66.26	V	43.86	-60.02	-6.98	0.15	-67.15	-13.00	54.15
3818.600	H	36.12	-59.74	10.72	1.29	-50.31	-13.00	37.31
3818.600	V	36.78	-58.93	10.72	1.29	-49.50	-13.00	36.50
5727.900	H	36.77	-56.71	11.23	1.59	-47.07	-13.00	34.07
5727.900	V	37.47	-55.89	11.23	1.59	-46.25	-13.00	33.25

LTE Band 4 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1710.7 MHz								
271.32	H	43.22	-68.18	0.00	0.31	-68.49	-13.00	55.49
66.26	V	42.82	-61.06	-6.98	0.15	-68.19	-13.00	55.19
3421.400	H	37.12	-60.64	10.37	1.17	-51.44	-13.00	38.44
3421.400	V	36.53	-61.20	10.37	1.17	-52.00	-13.00	39.00
5132.100	H	36.89	-56.68	11.28	1.47	-46.87	-13.00	33.87
5132.100	V	35.89	-57.57	11.28	1.47	-47.76	-13.00	34.76
QPSK,Frequency:1732.5 MHz								
271.32	H	43.12	-68.28	0.00	0.31	-68.59	-13.00	55.59
65.57	V	41.02	-63.10	-7.35	0.15	-70.60	-13.00	57.60
3465.000	H	36.47	-61.34	10.39	1.15	-52.10	-13.00	39.10
3465.000	V	36.45	-61.32	10.39	1.15	-52.08	-13.00	39.08
5197.500	H	35.87	-58.26	11.32	1.44	-48.38	-13.00	35.38
5197.500	V	36.02	-57.96	11.32	1.44	-48.08	-13.00	35.08
QPSK,Frequency:1754.3MHz								
267.54	H	42.01	-69.48	0.00	0.31	-69.79	-13.00	56.79
66.26	V	41.84	-62.04	-6.98	0.15	-69.17	-13.00	56.17
3508.600	H	36.17	-61.65	10.41	1.19	-52.43	-13.00	39.43
3508.600	V	35.46	-62.30	10.41	1.19	-53.08	-13.00	40.08
5262.900	H	35.69	-58.01	11.36	1.47	-48.12	-13.00	35.12
5262.900	V	36.03	-57.44	11.36	1.47	-47.55	-13.00	34.55

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 824.7 MHz								
656.68	H	21.87	-51.68	0.00	0.52	-52.20	-13.00	39.20
724.35	V	21.82	-47.57	0.00	0.51	-48.08	-13.00	35.08
1649.400	H	36.89	-67.44	8.68	0.80	-59.56	-13.00	46.56
1649.400	V	37.46	-66.95	8.68	0.80	-59.07	-13.00	46.07
2474.100	H	37.12	-63.66	9.38	1.00	-55.28	-13.00	42.28
2474.100	V	40.60	-60.13	9.38	1.00	-51.75	-13.00	38.75
3298.800	H	36.22	-60.46	10.32	1.15	-51.29	-13.00	38.29
3298.800	V	36.43	-60.01	10.32	1.15	-50.84	-13.00	37.84
QPSK, Frequency: 836.5 MHz								
438.94	H	20.26	-56.82	0.00	0.42	-57.24	-13.00	44.24
719.31	V	20.71	-48.79	0.00	0.49	-49.28	-13.00	36.28
1673.000	H	37.46	-66.85	8.71	0.85	-58.99	-13.00	45.99
1673.000	V	40.18	-64.23	8.71	0.85	-56.37	-13.00	43.37
2509.500	H	36.53	-64.08	9.42	1.01	-55.67	-13.00	42.67
2509.500	V	37.44	-63.18	9.42	1.01	-54.77	-13.00	41.77
3346.000	H	36.11	-61.05	10.34	1.16	-51.87	-13.00	38.87
3346.000	V	36.23	-60.79	10.34	1.16	-51.61	-13.00	38.61
QPSK, Frequency: 848.3 MHz								
687.30	H	21.34	-52.05	0.00	0.53	-52.58	-13.00	39.58
709.31	V	21.06	-48.66	0.00	0.52	-49.18	-13.00	36.18
1696.600	H	40.92	-63.37	8.74	0.89	-55.52	-13.00	42.52
1696.600	V	47.81	-56.61	8.74	0.89	-48.76	-13.00	35.76
2544.900	H	37.11	-63.23	9.47	1.01	-54.77	-13.00	41.77
2544.900	V	40.01	-60.29	9.47	1.01	-51.83	-13.00	38.83
3393.200	H	35.40	-62.27	10.36	1.19	-53.10	-13.00	40.10
3393.200	V	36.45	-61.18	10.36	1.19	-52.01	-13.00	39.01

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								
925.83	H	20.24	-47.90	0.00	0.62	-48.52	-13.00	35.52
560.82	V	21.14	-50.53	0.00	0.47	-51.00	-13.00	38.00
1399.400	H	37.44	-66.26	8.22	0.71	-58.75	-13.00	45.75
1399.400	V	43.66	-60.09	8.22	0.71	-52.58	-13.00	39.58
2099.100	H	36.56	-65.32	9.16	0.91	-57.07	-13.00	44.07
2099.100	V	41.85	-59.98	9.16	0.91	-51.73	-13.00	38.73
2798.800	H	36.10	-63.83	9.88	1.04	-54.99	-13.00	41.99
2798.800	V	37.41	-62.39	9.88	1.04	-53.55	-13.00	40.55
1.4MHz QPSK, Frequency: 707.5 MHz								
522.88	H	20.35	-55.03	0.00	0.42	-55.45	-13.00	42.45
539.62	V	21.33	-50.31	0.00	0.46	-50.77	-13.00	37.77
1415.000	H	36.45	-67.22	8.26	0.72	-59.68	-13.00	46.68
1415.000	V	36.21	-67.51	8.26	0.72	-59.97	-13.00	46.97
2122.500	H	35.77	-66.22	9.17	0.92	-57.97	-13.00	44.97
2122.500	V	37.02	-64.95	9.17	0.92	-56.70	-13.00	43.70
2830.000	H	36.54	-63.26	9.93	1.06	-54.39	-13.00	41.39
2830.000	V	36.08	-63.65	9.93	1.06	-54.78	-13.00	41.78
1.4MHz QPSK, Frequency: 715.3 MHz								
459.32	H	20.57	-56.09	0.00	0.41	-56.50	-13.00	43.50
893.66	V	21.62	-44.61	0.00	0.65	-45.26	-13.00	32.26
1430.600	H	36.59	-67.04	8.31	0.73	-59.46	-13.00	46.46
1430.600	V	42.14	-61.55	8.31	0.73	-53.97	-13.00	40.97
2145.900	H	36.23	-65.87	9.19	0.93	-57.61	-13.00	44.61
2145.900	V	37.11	-65.00	9.19	0.93	-56.74	-13.00	43.74
2861.200	H	36.45	-63.20	9.98	1.07	-54.29	-13.00	41.29
2861.200	V	36.02	-63.65	9.98	1.07	-54.74	-13.00	41.74

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								
694.50	H	21.33	-52.02	0.00	0.55	-52.57	-13.00	39.57
501.40	V	20.14	-51.44	0.00	0.45	-51.89	-13.00	38.89
1559.000	H	35.89	-68.10	8.57	0.80	-60.33	-40.00	20.33
1559.000	V	36.01	-68.04	8.57	0.80	-60.27	-40.00	20.27
2338.500	H	40.10	-61.49	9.30	0.97	-53.16	-13.00	40.16
2338.500	V	35.69	-65.67	9.30	0.97	-57.34	-13.00	44.34
3118.000	H	36.23	-61.26	10.25	1.13	-52.14	-13.00	39.14
3118.000	V	36.04	-61.31	10.25	1.13	-52.19	-13.00	39.19
5MHz QPSK, Frequency: 784.5 MHz								
547.30	H	20.71	-54.19	0.00	0.47	-54.66	-13.00	41.66
595.30	V	20.56	-51.16	0.00	0.51	-51.67	-13.00	38.67
1569.000	H	37.41	-66.67	8.58	0.81	-58.90	-40.00	18.90
1569.000	V	36.53	-67.60	8.58	0.81	-59.83	-40.00	19.83
2353.500	H	36.22	-65.23	9.31	0.97	-56.89	-13.00	43.89
2353.500	V	35.85	-65.37	9.31	0.97	-57.03	-13.00	44.03
3138.000	H	36.02	-61.38	10.26	1.14	-52.26	-13.00	39.26
3138.000	V	36.13	-61.10	10.26	1.14	-51.98	-13.00	38.98

LTE Band 14:

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: 790.5 MHz								
640.84	H	20.57	-53.07	0.00	0.52	-53.59	-40.00	13.59
711.85	V	20.65	-49.01	0.00	0.51	-49.52	-40.00	9.52
1581.000	H	36.58	-67.61	8.60	0.81	-59.82	-40.00	19.82
1581.000	V	35.44	-68.80	8.60	0.81	-61.01	-40.00	21.01
2371.500	H	35.69	-65.61	9.32	0.97	-57.26	-40.00	17.26
2371.500	V	36.02	-65.03	9.32	0.97	-56.68	-40.00	16.68
3162.000	H	35.78	-61.51	10.26	1.13	-52.38	-40.00	12.38
3162.000	V	36.23	-60.86	10.26	1.13	-51.73	-40.00	11.73
5MHz QPSK, Frequency: 795.5 MHz								
557.05	H	21.04	-53.67	0.00	0.48	-54.15	-40.00	14.15
497.98	V	20.77	-50.89	0.00	0.45	-51.34	-40.00	11.34
1591.000	H	37.12	-67.17	8.61	0.82	-59.38	-40.00	19.38
1591.000	V	36.58	-67.74	8.61	0.82	-59.95	-40.00	19.95
2386.500	H	36.22	-64.95	9.33	0.98	-56.60	-40.00	16.60
2386.500	V	35.69	-65.22	9.33	0.98	-56.87	-40.00	16.87
3182.000	H	36.10	-61.10	10.27	1.12	-51.95	-40.00	11.95
3182.000	V	35.46	-61.51	10.27	1.12	-52.36	-40.00	12.36

LTE Band 66 (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)			
QPSK, Frequency: 1710.7MHz								
267.54	H	43.09	-68.40	0.00	0.31	-68.71	-13.00	55.71
66.26	V	42.73	-61.15	-6.98	0.15	-68.28	-13.00	55.28
3421.400	H	35.46	-62.30	10.37	1.17	-53.10	-13.00	40.10
3421.400	V	35.63	-62.10	10.37	1.17	-52.90	-13.00	39.90
5132.100	H	36.02	-57.55	11.28	1.47	-47.74	-13.00	34.74
5132.100	V	36.43	-57.03	11.28	1.47	-47.22	-13.00	34.22
QPSK, Frequency:1745 MHz								
266.60	H	43.10	-68.41	0.00	0.31	-68.72	-13.00	55.72
65.80	V	41.49	-62.55	-7.23	0.15	-69.93	-13.00	56.93
3490.000	H	35.34	-62.50	10.40	1.17	-53.27	-13.00	40.27
3490.000	V	36.01	-61.77	10.40	1.17	-52.54	-13.00	39.54
5235.000	H	35.78	-58.12	11.34	1.46	-48.24	-13.00	35.24
5235.000	V	35.69	-58.02	11.34	1.46	-48.14	-13.00	35.14
QPSK, Frequency: 1779.3 MHz								
270.37	H	42.74	-68.68	0.00	0.31	-68.99	-13.00	55.99
65.11	V	41.51	-62.76	-7.59	0.14	-70.49	-13.00	57.49
3558.600	H	36.11	-61.56	10.46	1.22	-52.32	-13.00	39.32
3558.600	V	36.58	-60.99	10.46	1.22	-51.75	-13.00	38.75
5337.900	H	35.49	-57.98	11.40	1.47	-48.05	-13.00	35.05
5337.900	V	36.07	-57.26	11.40	1.47	-47.33	-13.00	34.33

LTE Band 71:

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: 665.5 MHz								
864.60	H	20.89	-48.78	0.00	0.57	-49.35	-13.00	36.35
554.05	V	21.23	-50.43	0.00	0.49	-50.92	-13.00	37.92
1331.000	H	39.10	-63.93	8.03	0.76	-56.66	-13.00	43.66
1331.000	V	37.41	-65.95	8.03	0.76	-58.68	-13.00	45.68
1996.500	H	36.22	-65.94	9.10	0.89	-57.73	-13.00	44.73
1996.500	V	36.01	-65.53	9.10	0.89	-57.32	-13.00	44.32
2662.000	H	35.68	-64.28	9.66	1.06	-55.68	-13.00	42.68
2662.000	V	35.46	-64.42	9.66	1.06	-55.82	-13.00	42.82
5MHz QPSK, Frequency: 680.5 MHz								
504.11	H	20.94	-54.81	0.00	0.45	-55.26	-13.00	42.26
178.00	V	21.16	-56.97	0.00	0.25	-57.22	-13.00	44.22
1361.000	H	41.04	-62.29	8.11	0.77	-54.95	-13.00	41.95
1361.000	V	37.15	-66.38	8.11	0.77	-59.04	-13.00	46.04
2041.500	H	35.66	-66.37	9.12	0.91	-58.16	-13.00	45.16
2041.500	V	36.01	-65.63	9.12	0.91	-57.42	-13.00	44.42
2722.000	H	36.10	-63.87	9.76	1.05	-55.16	-13.00	42.16
2722.000	V	35.47	-64.44	9.76	1.05	-55.73	-13.00	42.73
5MHz QPSK, Frequency: 695.5 MHz								
662.51	H	20.41	-53.11	0.00	0.50	-53.61	-13.00	40.61
498.78	V	20.59	-51.04	0.00	0.45	-51.49	-13.00	38.49
1391.000	H	36.58	-67.04	8.19	0.72	-59.57	-13.00	46.57
1391.000	V	35.97	-67.73	8.19	0.72	-60.26	-13.00	47.26
2086.500	H	36.01	-65.90	9.15	0.91	-57.66	-13.00	44.66
2086.500	V	35.76	-66.03	9.15	0.91	-57.79	-13.00	44.79
2782.000	H	34.38	-65.56	9.85	1.05	-56.76	-13.00	43.76
2782.000	V	35.68	-64.15	9.85	1.05	-55.35	-13.00	42.35

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 CR230743940-EXP EUT EXTERNAL PHOTOGRAPHS and CR230743940-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230743940-00G-TSP TEST SETUP PHOTOGRAPHS.

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