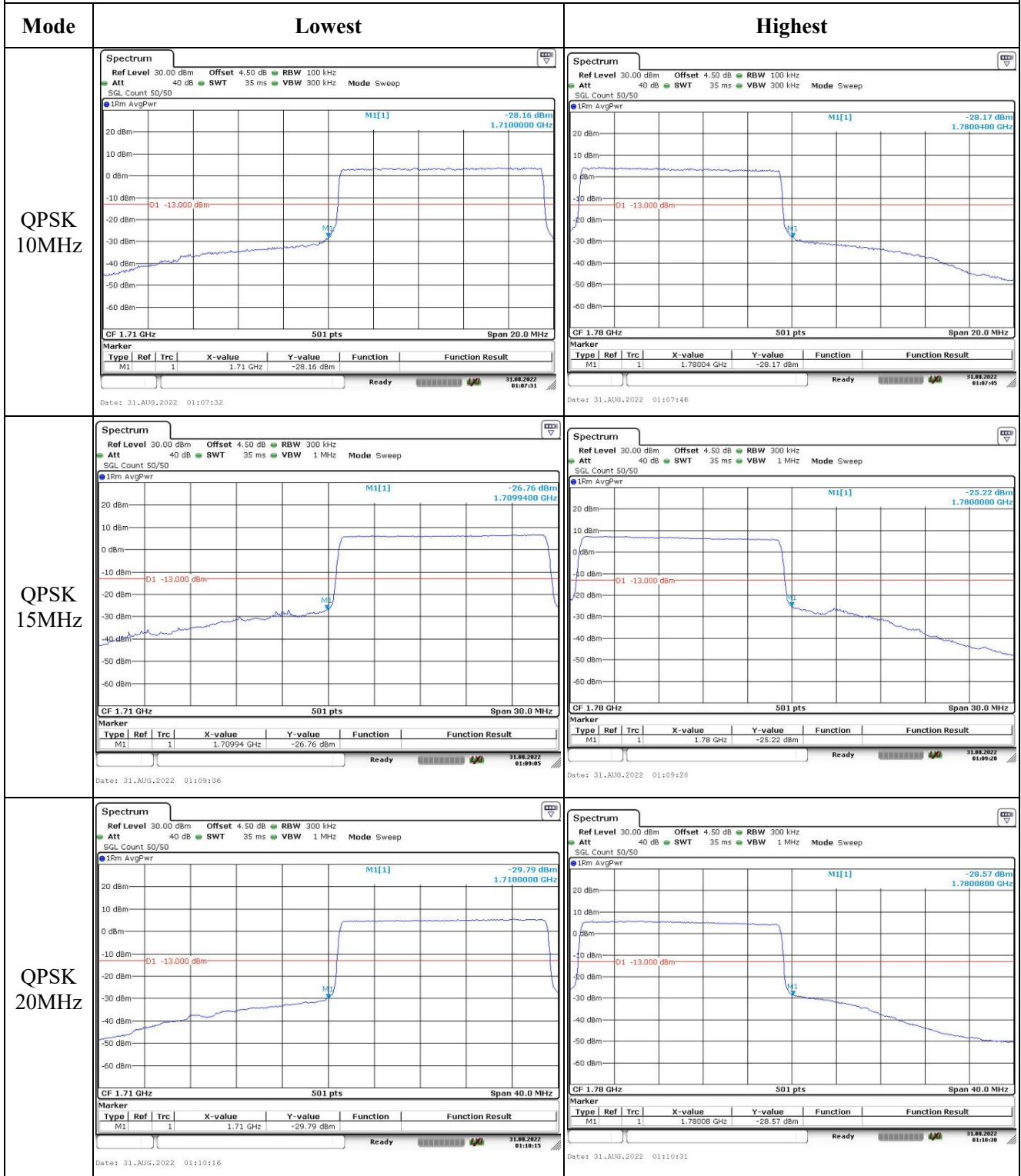
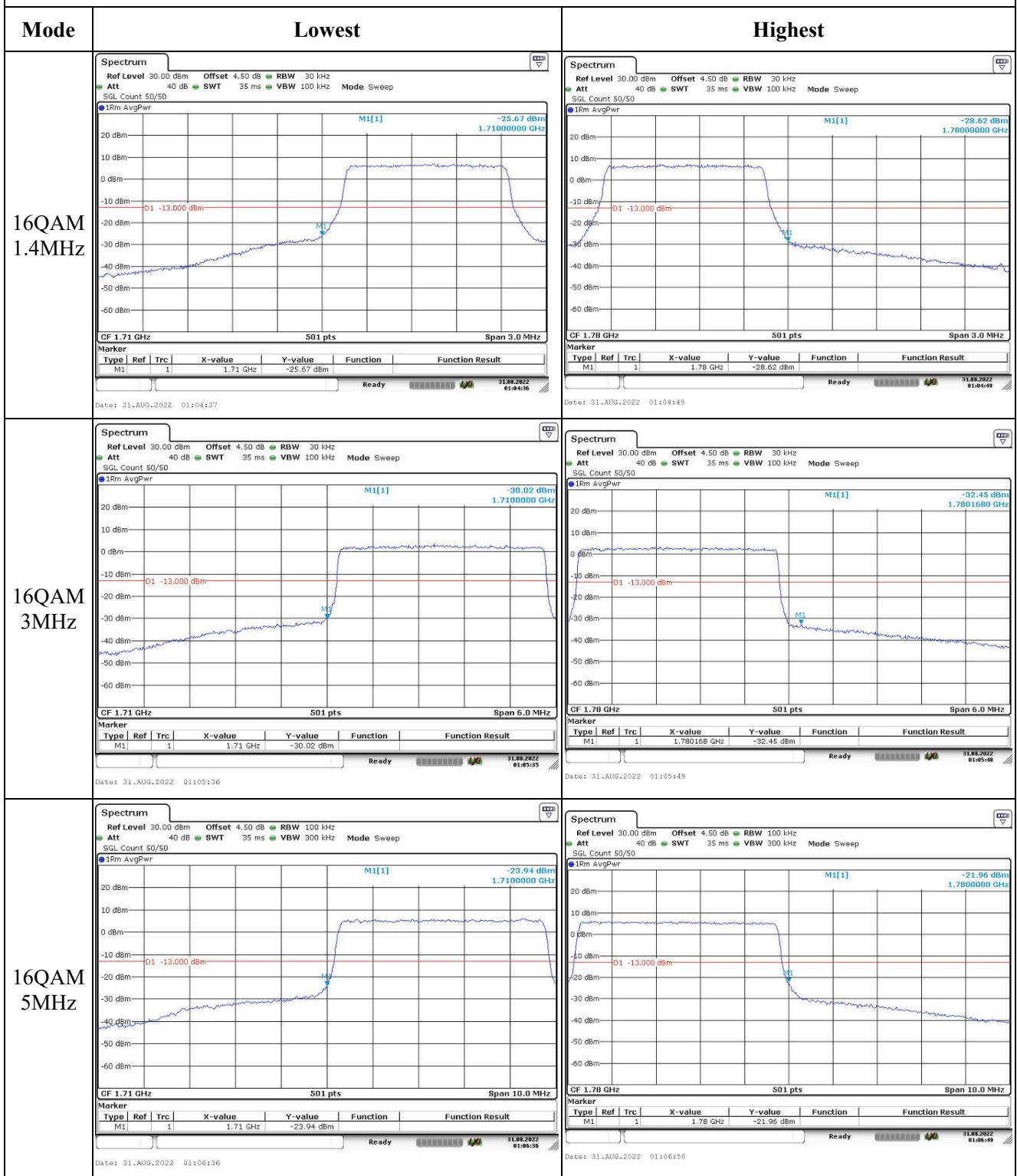


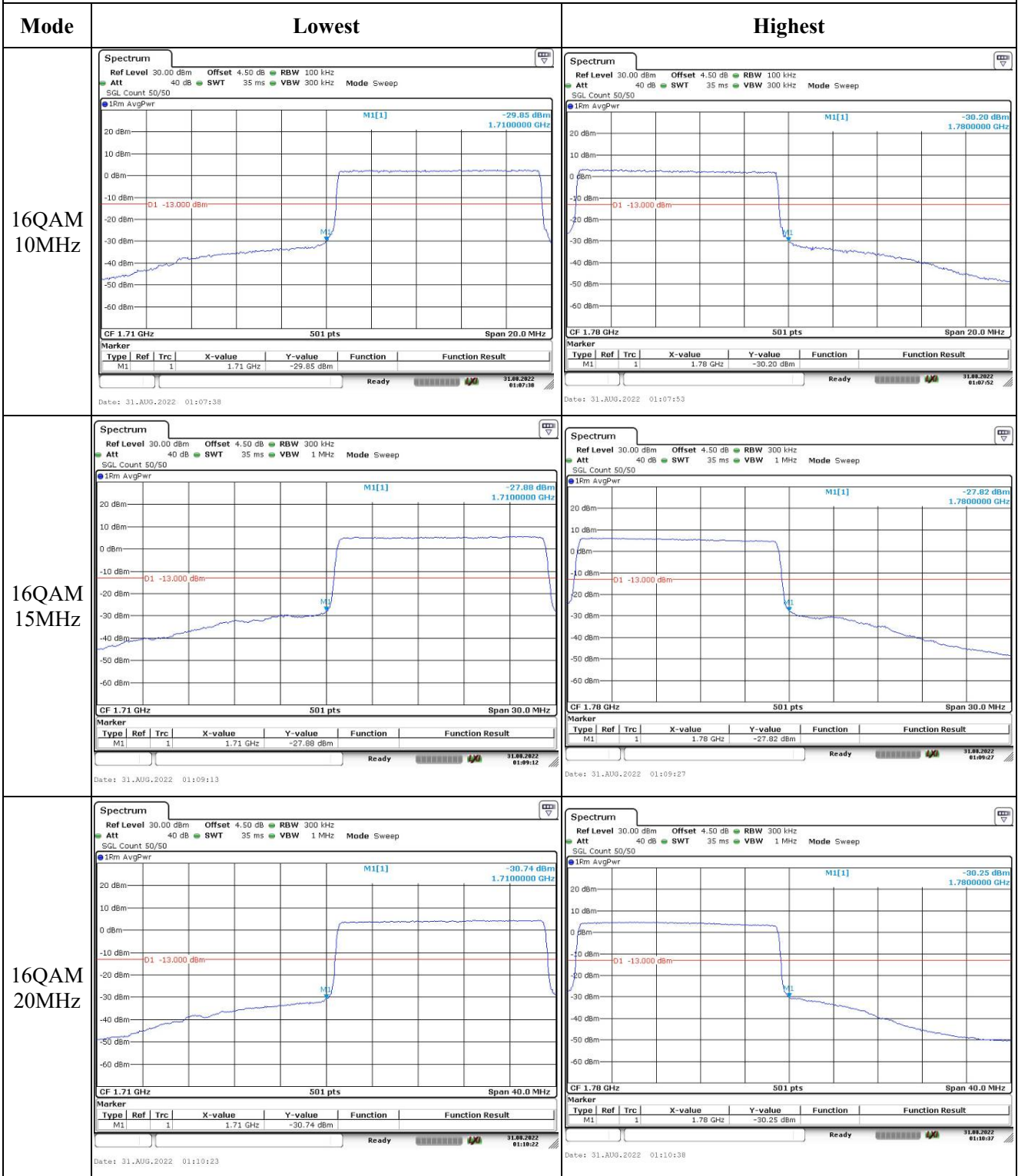
### Out of band emission, Band Edge



### Out of band emission, Band Edge



Out of band emission, Band Edge



**4.13 Radiated Spurious Emissions**

Serial Number:	CR22090005-RF-S1	Test Date:	2022-09-09~2022-09-13
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Carl Xue, Mack Huang	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	26.7~27.4	Relative Humidity: (%)	49~53	ATM Pressure: (kPa)	100.2~100.4
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**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	2022-07-15	2023-07-14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022-07-17	2023-07-16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022-07-17	2023-07-16
Sonoma	Amplifier	310N	186165	2022-07-17	2023-07-16
EMCO	Adjustable Dipole Antenna	3121C	9109-756	N/A	N/A
Agilent	Signal Generator	E8247C	MY43321352	2022-04-01	2023-03-31
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
R&S	Spectrum Analyzer	FSV40	101591	2022-07-15	2023-07-14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022-08-07	2023-08-06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022-08-07	2023-08-06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2021-11-10	2022-11-09
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021-10-18	2024-10-17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2022-07-17	2023-07-16
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021-02-05	2024-02-04
PASTERNAK	Horn Antenna	PE9852/2F-20	112001	2021-02-05	2024-02-04
AH	Preamplifier	PAM-1840VH	190	2021-11-19	2022-11-18
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022-08-07	2023-08-06

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

**Test Data:**

Please refer to the below table and plots.

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

**Cellular Band (PART 22H)****30 MHz-10 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2MHz								
67.43	H	35.47	-68.34	-6.36	0.15	-74.85	-13.00	61.85
45.05	V	43.26	-53.09	-19.75	0.12	-72.96	-13.00	59.96
1648.40	H	44.32	-60.01	8.68	0.80	-52.13	-13.00	39.13
1648.40	V	43.65	-60.76	8.68	0.80	-52.88	-13.00	39.88
2472.60	H	43.09	-57.69	9.38	1.00	-49.31	-13.00	36.31
2472.60	V	42.87	-57.86	9.38	1.00	-49.48	-13.00	36.48
3296.80	H	37.02	-59.66	10.32	1.15	-50.49	-13.00	37.49
3296.80	V	37.57	-58.87	10.32	1.15	-49.70	-13.00	36.70
GSM 850 Frequency:836.6MHz								
67.13	H	34.63	-69.18	-6.52	0.15	-75.85	-13.00	62.85
44.58	V	44.04	-51.72	-20.35	0.12	-72.19	-13.00	59.19
1673.20	H	44.60	-59.71	8.71	0.85	-51.85	-13.00	38.85
1673.20	V	43.95	-60.46	8.71	0.85	-52.60	-13.00	39.60
2509.80	H	42.69	-57.92	9.42	1.01	-49.51	-13.00	36.51
2509.80	V	42.56	-58.06	9.42	1.01	-49.65	-13.00	36.65
3346.40	H	37.59	-59.58	10.34	1.16	-50.40	-13.00	37.40
3346.40	V	38.19	-58.84	10.34	1.16	-49.66	-13.00	36.66
GSM 850 Frequency:848.8MHz								
66.26	H	36.15	-67.67	-6.98	0.15	-74.80	-13.00	61.80
45.06	V	44.16	-52.20	-19.74	0.12	-72.06	-13.00	59.06
1697.60	H	45.41	-58.88	8.74	0.90	-51.04	-13.00	38.04
1697.60	V	44.79	-59.63	8.74	0.90	-51.79	-13.00	38.79
2546.40	H	42.52	-57.81	9.47	1.01	-49.35	-13.00	36.35
2546.40	V	42.22	-58.06	9.47	1.01	-49.60	-13.00	36.60
3395.20	H	38.80	-58.89	10.36	1.19	-49.72	-13.00	36.72
3395.20	V	39.46	-58.20	10.36	1.19	-49.03	-13.00	36.03

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								
84.75	H	32.22	-79.10	0.00	0.17	-79.27	-13.00	66.27
43.08	V	41.97	-51.84	-22.33	0.12	-74.29	-13.00	61.29
1652.80	H	41.41	-62.92	8.68	0.81	-55.05	-13.00	42.05
1652.80	V	39.48	-64.93	8.68	0.81	-57.06	-13.00	44.06
2479.20	H	37.90	-62.86	9.39	1.01	-54.48	-13.00	41.48
2479.20	V	37.44	-63.29	9.39	1.01	-54.91	-13.00	41.91
3305.60	H	36.84	-59.89	10.32	1.15	-50.72	-13.00	37.72
3305.60	V	36.75	-59.75	10.32	1.15	-50.58	-13.00	37.58
WCDMA Band 5 Frequency:836.6MHz								
779.55	H	34.30	-68.50	0.00	0.54	-69.04	-13.00	56.04
43.08	V	41.65	-52.16	-22.33	0.12	-74.61	-13.00	61.61
1673.20	H	41.71	-62.60	8.71	0.85	-54.74	-13.00	41.74
1673.20	V	39.80	-64.61	8.71	0.85	-56.75	-13.00	43.75
2509.80	H	37.62	-62.99	9.42	1.01	-54.58	-13.00	41.58
2509.80	V	37.21	-63.41	9.42	1.01	-55.00	-13.00	42.00
3346.40	H	37.45	-59.72	10.34	1.16	-50.54	-13.00	37.54
3346.40	V	37.41	-59.62	10.34	1.16	-50.44	-13.00	37.44
WCDMA Band 5 Frequency:846.6MHz								
74.69	H	33.17	-73.42	-2.66	0.16	-76.24	-13.00	63.24
64.58	V	42.33	-62.12	-7.87	0.14	-70.13	-13.00	57.13
1693.20	H	42.31	-61.99	8.73	0.89	-54.15	-13.00	41.15
1693.20	V	40.36	-64.06	8.73	0.89	-56.22	-13.00	43.22
2539.80	H	37.34	-63.04	9.46	1.01	-54.59	-13.00	41.59
2539.80	V	36.79	-63.55	9.46	1.01	-55.10	-13.00	42.10
3386.40	H	38.30	-59.29	10.35	1.18	-50.12	-13.00	37.12
3386.40	V	38.50	-59.04	10.35	1.18	-49.87	-13.00	36.87

**PCS Band (PART 24E)****30 MHz-20 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
68.39	H	35.64	-68.16	-5.85	0.15	-74.16	-13.00	61.16
45.05	V	44.13	-52.22	-19.75	0.12	-72.09	-13.00	59.09
3700.40	H	42.17	-55.15	10.60	1.25	-45.80	-13.00	32.80
3700.40	V	40.80	-56.50	10.60	1.25	-47.15	-13.00	34.15
5550.60	H	39.47	-53.79	11.44	1.49	-43.84	-13.00	30.84
5550.60	V	39.61	-53.49	11.44	1.49	-43.54	-13.00	30.54
GSM 1900 Frequency:1880MHz								
68.39	H	35.40	-68.40	-5.85	0.15	-74.40	-13.00	61.40
44.58	V	43.96	-51.80	-20.35	0.12	-72.27	-13.00	59.27
3760.00	H	41.50	-54.91	10.66	1.24	-45.49	-13.00	32.49
3760.00	V	40.14	-56.15	10.66	1.24	-46.73	-13.00	33.73
5640.00	H	39.94	-53.51	11.33	1.54	-43.72	-13.00	30.72
5640.00	V	40.09	-53.24	11.33	1.54	-43.45	-13.00	30.45
GSM 1900 Frequency:1909.8MHz								
66.26	H	35.85	-67.97	-6.98	0.15	-75.10	-13.00	62.10
44.74	V	45.06	-50.90	-20.14	0.12	-71.16	-13.00	58.16
3819.60	H	41.15	-54.71	10.72	1.29	-45.28	-13.00	32.28
3819.60	V	39.82	-55.90	10.72	1.29	-46.47	-13.00	33.47
5729.40	H	39.78	-53.70	11.22	1.59	-44.07	-13.00	31.07
5729.40	V	39.85	-53.51	11.22	1.59	-43.88	-13.00	30.88



Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	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								
66.34	H	35.32	-68.50	-6.94	0.15	-75.59	-13.00	62.59
43.08	V	42.13	-51.68	-22.33	0.12	-74.13	-13.00	61.13
3704.80	H	41.73	-55.53	10.60	1.25	-46.18	-13.00	33.18
3704.80	V	40.36	-56.87	10.60	1.25	-47.52	-13.00	34.52
5557.20	H	39.16	-54.12	11.43	1.49	-44.18	-13.00	31.18
5557.20	V	39.31	-53.82	11.43	1.49	-43.88	-13.00	30.88
WCDMA Band II, Frequency:1880 MHz								
66.34	H	33.61	-70.21	-6.94	0.15	-77.30	-13.00	64.30
43.08	V	40.97	-52.84	-22.33	0.12	-75.29	-13.00	62.29
3760.00	H	41.09	-55.32	10.66	1.24	-45.90	-13.00	32.90
3760.00	V	39.73	-56.56	10.66	1.24	-47.14	-13.00	34.14
5640.00	H	39.53	-53.92	11.33	1.54	-44.13	-13.00	31.13
5640.00	V	39.68	-53.65	11.33	1.54	-43.86	-13.00	30.86
WCDMA Band II, Frequency:1907.6MHz								
66.34	H	35.68	-68.14	-6.94	0.15	-75.23	-13.00	62.23
66.34	V	41.42	-62.43	-6.94	0.15	-69.52	-13.00	56.52
3815.20	H	40.72	-55.13	10.72	1.29	-45.70	-13.00	32.70
3815.20	V	39.37	-56.32	10.72	1.29	-46.89	-13.00	33.89
5722.80	H	39.33	-54.16	11.23	1.58	-44.51	-13.00	31.51
5722.80	V	39.38	-53.97	11.23	1.58	-44.32	-13.00	31.32



## AWS Band(Part 27)

## 30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV, Frequency:1712.4 MHz								
44.05	H	41.86	-48.92	-21.05	0.12	-70.09	-13.00	57.09
66.46	V	34.67	-69.14	-6.88	0.15	-76.17	-13.00	63.17
3424.80	H	41.48	-56.29	10.37	1.17	-47.09	-13.00	34.09
3424.80	V	40.46	-57.28	10.37	1.17	-48.08	-13.00	35.08
5137.20	H	38.71	-54.91	11.28	1.46	-45.09	-13.00	32.09
5137.20	V	38.87	-54.63	11.28	1.46	-44.81	-13.00	31.81
WCDMA Band IV, Frequency:1732.6 MHz								
66.40	H	35.16	-68.66	-6.91	0.15	-75.72	-13.00	62.72
44.05	V	40.22	-54.85	-21.05	0.12	-76.02	-13.00	63.02
3465.20	H	41.62	-56.19	10.39	1.15	-46.95	-13.00	33.95
3465.20	V	40.62	-57.15	10.39	1.15	-47.91	-13.00	34.91
5197.80	H	39.59	-54.54	11.32	1.44	-44.66	-13.00	31.66
5197.80	V	39.57	-54.41	11.32	1.44	-44.53	-13.00	31.53
WCDMA Band IV, Frequency:1752.6MHz								
43.08	H	43.48	-45.78	-22.33	0.12	-68.23	-13.00	55.23
66.40	V	44.78	-59.05	-6.91	0.15	-66.11	-13.00	53.11
3505.20	H	41.67	-56.16	10.41	1.18	-46.93	-13.00	33.93
3505.20	V	40.54	-57.23	10.41	1.18	-48.00	-13.00	35.00
5257.80	H	38.77	-54.96	11.35	1.47	-45.08	-13.00	32.08
5257.80	V	38.56	-54.95	11.35	1.47	-45.07	-13.00	32.07

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

**LTE Band 2 (30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1850.7 MHz								
76.03	H	33.74	-73.66	-1.99	0.16	-75.81	-13.00	62.81
45.31	V	41.69	-54.92	-19.50	0.12	-74.54	-13.00	61.54
3701.40	H	41.51	-55.80	10.60	1.25	-46.45	-13.00	33.45
3701.40	V	40.60	-56.69	10.60	1.25	-47.34	-13.00	34.34
5552.10	H	38.86	-54.41	11.44	1.49	-44.46	-13.00	31.46
5552.10	V	39.05	-54.05	11.44	1.49	-44.10	-13.00	31.10
QPSK, Frequency: 1880 MHz								
76.03	H	33.44	-73.96	-1.99	0.16	-76.11	-13.00	63.11
44.05	V	41.30	-53.77	-21.05	0.12	-74.94	-13.00	61.94
3760.00	H	40.99	-55.42	10.66	1.24	-46.00	-13.00	33.00
3760.00	V	39.93	-56.36	10.66	1.24	-46.94	-13.00	33.94
5640.00	H	39.67	-53.78	11.33	1.54	-43.99	-13.00	30.99
5640.00	V	39.76	-53.57	11.33	1.54	-43.78	-13.00	30.78
QPSK, Frequency: 1909.3 MHz								
74.85	H	32.46	-74.23	-2.58	0.16	-76.97	-13.00	63.97
44.52	V	42.30	-53.38	-20.43	0.12	-73.93	-13.00	60.93
3818.60	H	41.12	-54.74	10.72	1.29	-45.31	-13.00	32.31
3818.60	V	39.82	-55.89	10.72	1.29	-46.46	-13.00	33.46
5727.90	H	39.36	-54.12	11.23	1.59	-44.48	-13.00	31.48
5727.90	V	38.98	-54.38	11.23	1.59	-44.74	-13.00	31.74

**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								
654.54	H	32.58	-72.12	0.00	0.52	-72.64	-13.00	59.64
43.08	V	41.70	-52.11	-22.33	0.12	-74.56	-13.00	61.56
3421.40	H	41.65	-56.11	10.37	1.17	-46.91	-13.00	33.91
3421.40	V	40.20	-57.53	10.37	1.17	-48.33	-13.00	35.33
5132.10	H	38.31	-55.26	11.28	1.47	-45.45	-13.00	32.45
5132.10	V	37.99	-55.47	11.28	1.47	-45.66	-13.00	32.66
QPSK, Frequency: 1732.5 MHz								
66.34	H	32.90	-70.92	-6.94	0.15	-78.01	-13.00	65.01
64.40	V	42.31	-62.20	-7.97	0.14	-70.31	-13.00	57.31
3465.00	H	40.83	-56.98	10.39	1.15	-47.74	-13.00	34.74
3465.00	V	40.44	-57.33	10.39	1.15	-48.09	-13.00	35.09
5197.50	H	39.57	-54.56	11.32	1.44	-44.68	-13.00	31.68
5197.50	V	39.12	-54.86	11.32	1.44	-44.98	-13.00	31.98
QPSK, Frequency: 1752.6MHz								
64.38	H	33.15	-70.69	-7.98	0.14	-78.81	-13.00	65.81
43.08	V	42.02	-51.79	-22.33	0.12	-74.24	-13.00	61.24
3505.20	H	41.86	-55.97	10.41	1.18	-46.74	-13.00	33.74
3505.20	V	40.46	-57.31	10.41	1.18	-48.08	-13.00	35.08
5257.80	H	38.28	-55.45	11.35	1.47	-45.57	-13.00	32.57
5257.80	V	37.59	-55.92	11.35	1.47	-46.04	-13.00	33.04

**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								
869.67	H	36.22	-64.00	0.00	0.58	-64.58	-13.00	51.58
42.18	V	42.68	-49.97	-23.52	0.12	-73.61	-13.00	60.61
1649.40	H	41.38	-62.95	8.68	0.80	-55.07	-13.00	42.07
1649.40	V	39.45	-64.96	8.68	0.80	-57.08	-13.00	44.08
2474.10	H	37.95	-62.83	9.38	1.00	-54.45	-13.00	41.45
2474.10	V	37.46	-63.27	9.38	1.00	-54.89	-13.00	41.89
3298.80	H	36.79	-59.89	10.32	1.15	-50.72	-13.00	37.72
3298.80	V	36.70	-59.74	10.32	1.15	-50.57	-13.00	37.57
QPSK, Frequency: 836.5 MHz								
66.34	H	34.86	-68.96	-6.94	0.15	-76.05	-13.00	63.05
43.08	V	42.28	-51.53	-22.33	0.12	-73.98	-13.00	60.98
1673.00	H	42.11	-62.20	8.71	0.85	-54.34	-13.00	41.34
1673.00	V	39.80	-64.61	8.71	0.85	-56.75	-13.00	43.75
2509.50	H	38.02	-62.59	9.42	1.01	-54.18	-13.00	41.18
2509.50	V	37.56	-63.06	9.42	1.01	-54.65	-13.00	41.65
3346.00	H	37.79	-59.37	10.34	1.16	-50.19	-13.00	37.19
3346.00	V	37.78	-59.24	10.34	1.16	-50.06	-13.00	37.06
QPSK, Frequency: 848.3 MHz								
65.37	H	33.96	-69.87	-7.45	0.14	-77.46	-13.00	64.46
43.08	V	42.54	-51.27	-22.33	0.12	-73.72	-13.00	60.72
1696.60	H	42.41	-61.88	8.74	0.89	-54.03	-13.00	41.03
1696.60	V	40.53	-63.89	8.74	0.89	-56.04	-13.00	43.04
2544.90	H	37.36	-62.98	9.47	1.01	-54.52	-13.00	41.52
2544.90	V	36.80	-63.50	9.47	1.01	-55.04	-13.00	42.04
3393.20	H	38.53	-59.14	10.36	1.19	-49.97	-13.00	36.97
3393.20	V	38.55	-59.08	10.36	1.19	-49.91	-13.00	36.91

**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)			
QPSK, Frequency: 2502.5 MHz								
64.52	H	32.98	-70.85	-7.90	0.14	-78.89	-25.00	53.89
64.38	V	43.66	-60.86	-7.98	0.14	-68.98	-25.00	43.98
5005.00	H	39.53	-53.43	11.20	1.47	-43.70	-25.00	18.70
5005.00	V	38.29	-54.53	11.20	1.47	-44.80	-25.00	19.80
7507.50	H	40.96	-48.83	10.90	1.95	-39.88	-25.00	14.88
7507.50	V	40.59	-49.70	10.90	1.95	-40.75	-25.00	15.75
QPSK, Frequency:2535 MHz								
74.25	H	33.45	-72.88	-2.88	0.16	-75.92	-25.00	50.92
43.08	V	43.36	-50.45	-22.33	0.12	-72.90	-25.00	47.90
5070.00	H	40.95	-52.24	11.24	1.47	-42.47	-25.00	17.47
5070.00	V	39.70	-53.39	11.24	1.47	-43.62	-25.00	18.62
7605.00	H	40.64	-48.83	10.88	2.01	-39.96	-25.00	14.96
7605.00	V	40.57	-49.62	10.88	2.01	-40.75	-25.00	15.75
QPSK, Frequency: 2567.5 MHz								
64.39	H	33.46	-70.38	-7.97	0.14	-78.49	-25.00	53.49
43.08	V	43.15	-50.66	-22.33	0.12	-73.11	-25.00	48.11
5135.00	H	42.09	-51.51	11.28	1.47	-41.70	-25.00	16.70
5135.00	V	40.72	-52.77	11.28	1.47	-42.96	-25.00	17.96
7702.50	H	40.60	-48.92	10.86	1.97	-40.03	-25.00	15.03
7702.50	V	40.55	-49.63	10.86	1.97	-40.74	-25.00	15.74

**LTE Band 12 (30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 699.7 MHz								
84.75	H	32.65	-78.67	0.00	0.17	-78.84	-13.00	65.84
44.56	V	42.38	-53.35	-20.38	0.12	-73.85	-13.00	60.85
1399.40	H	40.24	-63.46	8.22	0.71	-55.95	-13.00	42.95
1399.40	V	37.88	-65.87	8.22	0.71	-58.36	-13.00	45.36
2099.10	H	37.60	-64.28	9.16	0.91	-56.03	-13.00	43.03
2099.10	V	37.11	-64.72	9.16	0.91	-56.47	-13.00	43.47
2798.80	H	37.38	-62.55	9.88	1.04	-53.71	-13.00	40.71
2798.80	V	37.24	-62.56	9.88	1.04	-53.72	-13.00	40.72
QPSK, Frequency:707.5 MHz								
75.06	H	33.02	-73.80	-2.47	0.16	-76.43	-13.00	63.43
66.34	V	41.87	-61.98	-6.94	0.15	-69.07	-13.00	56.07
1415.00	H	40.03	-63.64	8.26	0.72	-56.10	-13.00	43.10
1415.00	V	38.14	-65.58	8.26	0.72	-58.04	-13.00	45.04
2122.50	H	37.70	-64.29	9.17	0.92	-56.04	-13.00	43.04
2122.50	V	37.31	-64.66	9.17	0.92	-56.41	-13.00	43.41
2830.00	H	38.07	-61.73	9.93	1.06	-52.86	-13.00	39.86
2830.00	V	37.92	-61.81	9.93	1.06	-52.94	-13.00	39.94
QPSK, Frequency: 715.3 MHz								
75.06	H	32.91	-73.91	-2.47	0.16	-76.54	-13.00	63.54
44.58	V	41.67	-54.09	-20.35	0.12	-74.56	-13.00	61.56
1430.60	H	39.75	-63.88	8.31	0.73	-56.30	-13.00	43.30
1430.60	V	37.56	-66.13	8.31	0.73	-58.55	-13.00	45.55
2145.90	H	37.74	-64.36	9.19	0.93	-56.10	-13.00	43.10
2145.90	V	37.36	-64.75	9.19	0.93	-56.49	-13.00	43.49
2861.20	H	38.53	-61.12	9.98	1.07	-52.21	-13.00	39.21
2861.20	V	38.47	-61.20	9.98	1.07	-52.29	-13.00	39.29

**LTE Band 17 (30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 706.5 MHz								
75.06	H	32.48	-74.34	-2.47	0.16	-76.97	-13.00	63.97
43.08	V	40.89	-52.92	-22.33	0.12	-75.37	-13.00	62.37
1413.00	H	40.17	-63.50	8.26	0.72	-55.96	-13.00	42.96
1413.00	V	38.28	-65.44	8.26	0.72	-57.90	-13.00	44.90
2119.50	H	37.80	-64.17	9.17	0.92	-55.92	-13.00	42.92
2119.50	V	37.41	-64.54	9.17	0.92	-56.29	-13.00	43.29
2826.00	H	38.12	-61.69	9.92	1.06	-52.83	-13.00	39.83
2826.00	V	37.97	-61.77	9.92	1.06	-52.91	-13.00	39.91
QPSK, Frequency: 710 MHz								
75.06	H	33.16	-73.66	-2.47	0.16	-76.29	-13.00	63.29
43.08	V	42.34	-51.47	-22.33	0.12	-73.92	-13.00	60.92
1420.00	H	40.17	-63.49	8.28	0.73	-55.94	-13.00	42.94
1420.00	V	38.29	-65.42	8.28	0.73	-57.87	-13.00	44.87
2130.00	H	37.91	-64.11	9.18	0.92	-55.85	-13.00	42.85
2130.00	V	37.54	-64.47	9.18	0.92	-56.21	-13.00	43.21
2840.00	H	38.48	-61.27	9.94	1.06	-52.39	-13.00	39.39
2840.00	V	38.30	-61.41	9.94	1.06	-52.53	-13.00	39.53
QPSK, Frequency: 713.5 MHz								
75.06	H	33.12	-73.70	-2.47	0.16	-76.33	-13.00	63.33
64.38	V	42.56	-61.96	-7.98	0.14	-70.08	-13.00	57.08
1427.00	H	40.09	-63.55	8.30	0.73	-55.98	-13.00	42.98
1427.00	V	38.26	-65.43	8.30	0.73	-57.86	-13.00	44.86
2140.50	H	38.00	-64.07	9.18	0.93	-55.82	-13.00	42.82
2140.50	V	37.66	-64.42	9.18	0.93	-56.17	-13.00	43.17
2854.00	H	38.83	-60.86	9.97	1.07	-51.96	-13.00	38.96
2854.00	V	38.72	-60.96	9.97	1.07	-52.06	-13.00	39.06



**LTE Band 66(30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1710.7 MHz								
74.03	H	32.48	-73.72	-2.99	0.16	-76.87	-13.00	63.87
64.40	V	41.59	-62.92	-7.97	0.14	-71.03	-13.00	58.03
3421.40	H	41.68	-56.08	10.37	1.17	-46.88	-13.00	33.88
3421.40	V	40.91	-56.82	10.37	1.17	-47.62	-13.00	34.62
5132.10	H	39.08	-54.49	11.28	1.47	-44.68	-13.00	31.68
5132.10	V	38.62	-54.84	11.28	1.47	-45.03	-13.00	32.03
QPSK, Frequency:1745 MHz								
728.19	H	33.91	-70.06	0.00	0.52	-70.58	-13.00	57.58
64.40	V	42.87	-61.64	-7.97	0.14	-69.75	-13.00	56.75
3490.00	H	41.62	-56.22	10.40	1.17	-46.99	-13.00	33.99
3490.00	V	40.88	-56.90	10.40	1.17	-47.67	-13.00	34.67
5235.00	H	39.19	-54.71	11.34	1.46	-44.83	-13.00	31.83
5235.00	V	38.53	-55.18	11.34	1.46	-45.30	-13.00	32.30
QPSK, Frequency: 1779.3 MHz								
64.52	H	32.19	-71.64	-7.90	0.14	-79.68	-13.00	66.68
43.08	V	43.44	-50.37	-22.33	0.12	-72.82	-13.00	59.82
3558.60	H	42.29	-55.38	10.46	1.22	-46.14	-13.00	33.14
3558.60	V	40.76	-56.81	10.46	1.22	-47.57	-13.00	34.57
5337.90	H	38.47	-55.00	11.40	1.47	-45.07	-13.00	32.07
5337.90	V	37.90	-55.43	11.40	1.47	-45.50	-13.00	32.50

## Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

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