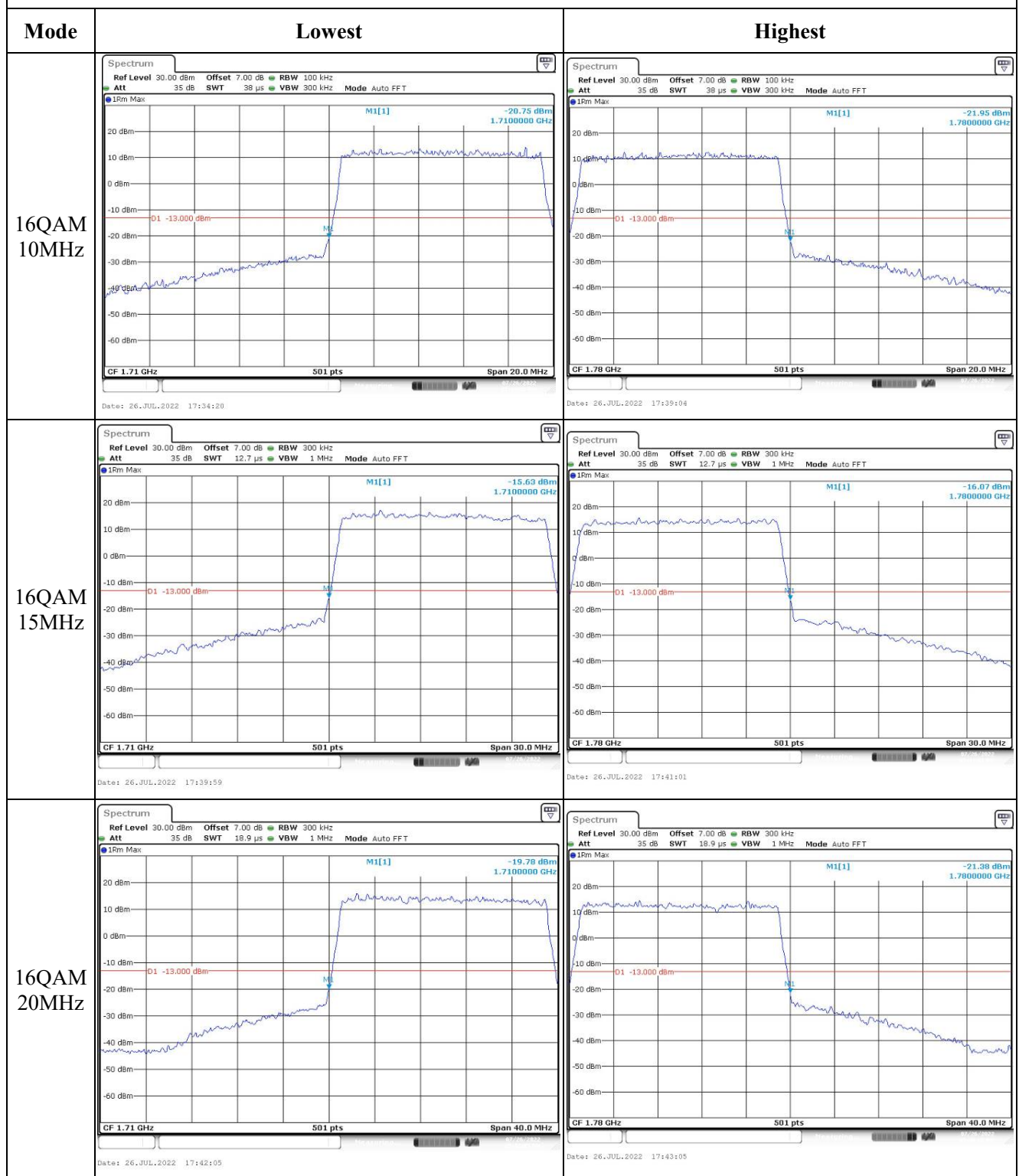


Out of band emission, Band Edge



4.16 Radiated Spurious Emissions

Serial Number:	CR22050078-RF-S1(Type II) CR22050078-RF-S2(Type I)	Test Date:	2022-07-31~2022-08-07
Test Site:	966-1~966-2	Test Mode:	Transmit
Tester:	Gary Ling, Mark Huang, Ted Min	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.2~28.5	Relative Humidity: (%)	53~61	ATM Pressure: (kPa)	100.1
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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
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2022-07-17	2023-07-16
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	2021-08-08	2022-08-07
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2021-08-08	2022-08-07
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
Agilent	Signal Generator	E8247C	MY43321352	2022-04-01	2023-03-31
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
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021-02-05	2024-02-04
PASTERNAK	Horn Antenna	PE9850/2F-20	072002	2021-02-05	2024-02-04
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2021-08-08	2022-08-07

*** 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.

Type II & Adapter 1 was the worst:

Cellular Band

30 MHz-10 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GPRS 850 Frequency:824.2MHz								
1648.40	H	56.81	-47.52	8.68	0.80	-39.64	-13.00	26.64
1648.40	V	55.96	-48.45	8.68	0.80	-40.57	-13.00	27.57
2472.60	H	45.61	-55.17	9.38	1.00	-46.79	-13.00	33.79
2472.60	V	46.45	-54.28	9.38	1.00	-45.90	-13.00	32.90
3296.80	H	42.65	-54.03	10.32	1.15	-44.86	-13.00	31.86
3296.80	V	43.31	-53.13	10.32	1.15	-43.96	-13.00	30.96
182.36	H	37.51	-75.03	0.00	0.25	-75.28	-13.00	62.28
81.26	V	38.64	-70.03	0.00	0.16	-70.19	-13.00	57.19
GPRS 850 Frequency:836.6MHz								
1673.20	H	55.69	-48.62	8.71	0.85	-40.76	-13.00	27.76
1673.20	V	55.11	-49.30	8.71	0.85	-41.44	-13.00	28.44
2509.80	H	48.15	-52.46	9.42	1.01	-44.05	-13.00	31.05
2509.80	V	49.32	-51.30	9.42	1.01	-42.89	-13.00	29.89
3346.40	H	42.34	-54.83	10.34	1.16	-45.65	-13.00	32.65
3346.40	V	44.64	-52.39	10.34	1.16	-43.21	-13.00	30.21
185.56	H	37.36	-75.24	0.00	0.26	-75.50	-13.00	62.50
80.45	V	38.34	-70.27	0.00	0.16	-70.43	-13.00	57.43
GPRS 850 Frequency:848.8MHz								
1697.60	H	55.77	-48.52	8.74	0.90	-40.68	-13.00	27.68
1697.60	V	55.35	-49.07	8.74	0.90	-41.23	-13.00	28.23
2546.40	H	48.36	-51.97	9.47	1.01	-43.51	-13.00	30.51
2546.40	V	49.31	-50.97	9.47	1.01	-42.51	-13.00	29.51
3395.20	H	40.31	-57.38	10.36	1.19	-48.21	-13.00	35.21
3395.20	V	43.61	-54.05	10.36	1.19	-44.88	-13.00	31.88
183.23	H	37.32	-75.23	0.00	0.25	-75.48	-13.00	62.48
80.18	V	38.21	-70.38	0.00	0.16	-70.54	-13.00	57.54

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								
1652.80	H	45.24	-59.09	8.68	0.81	-51.22	-13.00	38.22
1652.80	V	44.21	-60.20	8.68	0.81	-52.33	-13.00	39.33
2479.20	H	44.40	-56.36	9.39	1.01	-47.98	-13.00	34.98
2479.20	V	45.58	-55.15	9.39	1.01	-46.77	-13.00	33.77
3305.60	H	45.90	-50.83	10.32	1.15	-41.66	-13.00	28.66
3305.60	V	44.26	-52.24	10.32	1.15	-43.07	-13.00	30.07
183.84	H	37.32	-75.25	0.00	0.25	-75.50	-13.00	62.50
80.08	V	38.20	-70.39	0.00	0.16	-70.55	-13.00	57.55
WCDMA Band 5 Frequency:836.6MHz								
1673.20	H	44.27	-60.04	8.71	0.85	-52.18	-13.00	39.18
1673.20	V	45.22	-59.19	8.71	0.85	-51.33	-13.00	38.33
2509.80	H	46.59	-54.02	9.42	1.01	-45.61	-13.00	32.61
2509.80	V	45.47	-55.15	9.42	1.01	-46.74	-13.00	33.74
3346.40	H	44.16	-53.01	10.34	1.16	-43.83	-13.00	30.83
3346.40	V	45.17	-51.86	10.34	1.16	-42.68	-13.00	29.68
183.20	H	37.97	-74.58	0.00	0.25	-74.83	-13.00	61.83
80.08	V	38.11	-70.48	0.00	0.16	-70.64	-13.00	57.64
WCDMA Band 5 Frequency:846.6MHz								
1693.20	H	46.11	-58.19	8.73	0.89	-50.35	-13.00	37.35
1693.20	V	45.77	-58.65	8.73	0.89	-50.81	-13.00	37.81
2539.80	H	45.08	-55.30	9.46	1.01	-46.85	-13.00	33.85
2539.80	V	45.04	-55.30	9.46	1.01	-46.85	-13.00	33.85
3386.40	H	45.13	-52.46	10.35	1.18	-43.29	-13.00	30.29
3386.40	V	44.83	-52.71	10.35	1.18	-43.54	-13.00	30.54
183.33	H	38.05	-74.51	0.00	0.25	-74.76	-13.00	61.76
80.08	V	37.27	-71.32	0.00	0.16	-71.48	-13.00	58.48

PCS Band

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GPRS 1900 Frequency:1850.2MHz								
3700.40	H	53.69	-43.63	10.60	1.25	-34.28	-13.00	21.28
3700.40	V	52.37	-44.93	10.60	1.25	-35.58	-13.00	22.58
5550.60	H	35.12	-58.14	11.44	1.49	-48.19	-13.00	35.19
5550.60	V	35.35	-57.75	11.44	1.49	-47.80	-13.00	34.80
180.36	H	37.56	-74.94	0.00	0.25	-75.19	-13.00	62.19
47.65	V	37.11	-61.80	-17.20	0.12	-79.12	-13.00	66.12
GPRS 1900 Frequency:1880MHz								
3760.00	H	53.23	-43.18	10.66	1.24	-33.76	-13.00	20.76
3760.00	V	52.12	-44.17	10.66	1.24	-34.75	-13.00	21.75
5640.00	H	35.65	-57.80	11.33	1.54	-48.01	-13.00	35.01
5640.00	V	35.37	-57.96	11.33	1.54	-48.17	-13.00	35.17
181.56	H	38.11	-74.41	0.00	0.25	-74.66	-13.00	61.66
47.56	V	37.56	-61.26	-17.29	0.12	-78.67	-13.00	65.67
GPRS 1900 Frequency:1909.8MHz								
3819.60	H	53.11	-42.75	10.72	1.29	-33.32	-13.00	20.32
3819.60	V	52.23	-43.49	10.72	1.29	-34.06	-13.00	21.06
5729.40	H	35.38	-58.10	11.22	1.59	-48.47	-13.00	35.47
5729.40	V	35.29	-58.07	11.22	1.59	-48.44	-13.00	35.44
183.50	H	38.23	-74.33	0.00	0.25	-74.58	-13.00	61.58
47.65	V	37.38	-61.53	-17.20	0.12	-78.85	-13.00	65.85

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								
3704.80	H	51.58	-45.68	10.60	1.25	-36.33	-13.00	23.33
3704.80	V	50.34	-46.89	10.60	1.25	-37.54	-13.00	24.54
5557.20	H	34.92	-58.36	11.43	1.49	-48.42	-13.00	35.42
5557.20	V	34.57	-58.56	11.43	1.49	-48.62	-13.00	35.62
183.84	H	38.34	-74.23	0.00	0.25	-74.48	-13.00	61.48
47.99	V	37.96	-61.29	-16.87	0.12	-78.28	-13.00	65.28
WCDMA Band II, Frequency:1880 MHz								
3760.00	H	51.27	-45.14	10.66	1.24	-35.72	-13.00	22.72
3760.00	V	50.34	-45.95	10.66	1.24	-36.53	-13.00	23.53
5640.00	H	33.98	-59.47	11.33	1.54	-49.68	-13.00	36.68
5640.00	V	34.20	-59.13	11.33	1.54	-49.34	-13.00	36.34
184.28	H	38.69	-73.89	0.00	0.25	-74.14	-13.00	61.14
47.99	V	38.06	-61.19	-16.87	0.12	-78.18	-13.00	65.18
WCDMA Band II, Frequency:1907.6MHz								
3815.20	H	51.04	-44.81	10.72	1.29	-35.38	-13.00	22.38
3815.20	V	50.73	-44.96	10.72	1.29	-35.53	-13.00	22.53
5722.80	H	33.99	-59.50	11.23	1.58	-49.85	-13.00	36.85
5722.80	V	34.55	-58.80	11.23	1.58	-49.15	-13.00	36.15
183.65	H	37.67	-74.89	0.00	0.25	-75.14	-13.00	62.14
47.99	V	38.48	-60.77	-16.87	0.12	-77.76	-13.00	64.76

AWS Band**30 MHz-20 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 4, Frequency:1712.4 MHz								
3424.80	H	40.23	-57.54	10.37	1.17	-48.34	-13.00	35.34
3424.80	V	36.31	-61.43	10.37	1.17	-52.23	-13.00	39.23
5137.20	H	47.21	-46.41	11.28	1.46	-36.59	-13.00	23.59
5137.20	V	40.23	-53.27	11.28	1.46	-43.45	-13.00	30.45
183.20	H	37.47	-75.08	0.00	0.25	-75.33	-13.00	62.33
72.85	V	38.44	-65.87	-3.58	0.16	-69.61	-13.00	56.61
WCDMA Band 4, Frequency:1732.6 MHz								
3465.20	H	40.55	-57.26	10.39	1.15	-48.02	-13.00	35.02
3465.20	V	36.31	-61.46	10.39	1.15	-52.22	-13.00	39.22
5197.80	H	46.36	-47.77	11.32	1.44	-37.89	-13.00	24.89
5197.80	V	38.96	-55.02	11.32	1.44	-45.14	-13.00	32.14
181.28	H	38.11	-74.41	0.00	0.25	-74.66	-13.00	61.66
74.40	V	38.42	-66.82	-2.80	0.16	-69.78	-13.00	56.78
WCDMA Band 4, Frequency:1752.6MHz								
3505.20	H	40.38	-57.45	10.41	1.18	-48.22	-13.00	35.22
3505.20	V	36.31	-61.46	10.41	1.18	-52.23	-13.00	39.23
5257.80	H	47.58	-46.15	11.35	1.47	-36.27	-13.00	23.27
5257.80	V	40.26	-53.25	11.35	1.47	-43.37	-13.00	30.37
181.83	H	38.07	-74.46	0.00	0.25	-74.71	-13.00	61.71
72.68	V	38.14	-66.07	-3.66	0.16	-69.89	-13.00	56.89

LTE Bands:**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								
3701.40	H	48.56	-48.75	10.60	1.25	-39.40	-13.00	26.40
3701.40	V	47.36	-49.93	10.60	1.25	-40.58	-13.00	27.58
5552.10	H	33.69	-59.58	11.44	1.49	-49.63	-13.00	36.63
5552.10	V	34.11	-58.99	11.44	1.49	-49.04	-13.00	36.04
142.25	H	40.12	-72.10	0.00	0.21	-72.31	-13.00	59.31
72.08	V	40.42	-63.43	-3.96	0.15	-67.54	-13.00	54.54
QPSK,Frequency:1880 MHz								
3760.00	H	48.68	-47.73	10.66	1.24	-38.31	-13.00	25.31
3760.00	V	47.89	-48.40	10.66	1.24	-38.98	-13.00	25.98
5640.00	H	34.21	-59.24	11.33	1.54	-49.45	-13.00	36.45
5640.00	V	34.36	-58.97	11.33	1.54	-49.18	-13.00	36.18
141.83	H	39.24	-71.39	0.00	0.21	-71.60	-13.00	58.60
72.08	V	40.85	-63.00	-3.96	0.15	-67.11	-13.00	54.11
QPSK,Frequency:1909.3 MHz								
3818.60	H	49.36	-46.50	10.72	1.29	-37.07	-13.00	24.07
3818.60	V	47.11	-48.60	10.72	1.29	-39.17	-13.00	26.17
5727.90	H	34.29	-59.19	11.23	1.59	-49.55	-13.00	36.55
5727.90	V	34.67	-58.69	11.23	1.59	-49.05	-13.00	36.05
142.01	H	39.16	-73.07	0.00	0.21	-73.28	-13.00	60.28
73.33	V	41.25	-63.35	-3.34	0.16	-66.85	-13.00	53.85

LTE Band 4 (30MHz-20GHz):

DTE Band 1 (Common Channel)								
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								
3421.40	H	39.53	-58.23	10.37	1.17	-49.03	-13.00	36.03
3421.40	V	35.75	-61.98	10.37	1.17	-52.78	-13.00	39.78
5132.10	H	46.73	-46.84	11.28	1.47	-37.03	-13.00	24.03
5132.10	V	38.14	-55.32	11.28	1.47	-45.51	-13.00	32.51
250.30	H	38.11	-73.78	0.00	0.30	-74.08	-13.00	61.08
71.68	V	40.67	-62.94	-4.16	0.15	-67.25	-13.00	54.25
QPSK,Frequency:1732.5 MHz								
3465.00	H	36.60	-61.21	10.39	1.15	-51.97	-13.00	38.97
3465.00	V	43.16	-54.61	10.39	1.15	-45.37	-13.00	32.37
5197.50	H	41.69	-52.44	11.32	1.44	-42.56	-13.00	29.56
5197.50	V	34.50	-59.48	11.32	1.44	-49.60	-13.00	36.60
251.18	H	38.40	-73.47	0.00	0.30	-73.77	-13.00	60.77
72.59	V	41.43	-62.73	-3.71	0.16	-66.60	-13.00	53.60
QPSK,Frequency:1754.3MHz								
3505.20	H	36.02	-61.81	10.41	1.18	-52.58	-13.00	39.58
3505.20	V	34.88	-62.89	10.41	1.18	-53.66	-13.00	40.66
5257.80	H	52.03	-41.70	11.35	1.47	-31.82	-13.00	18.82
5257.80	V	45.15	-48.36	11.35	1.47	-38.48	-13.00	25.48
252.36	H	38.55	-73.29	0.00	0.30	-73.59	-13.00	60.59
72.89	V	40.45	-63.89	-3.56	0.16	-67.61	-13.00	54.61

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								
1649.40	H	48.00	-56.33	8.68	0.80	-48.45	-13.00	35.45
1649.40	V	47.00	-57.41	8.68	0.80	-49.53	-13.00	36.53
2474.10	H	42.71	-58.07	9.38	1.00	-49.69	-13.00	36.69
2474.10	V	44.15	-56.58	9.38	1.00	-48.20	-13.00	35.20
3298.80	H	47.73	-48.95	10.32	1.15	-39.78	-13.00	26.78
3298.80	V	48.90	-47.54	10.32	1.15	-38.37	-13.00	25.37
251.18	H	38.58	-73.29	0.00	0.30	-73.59	-13.00	60.59
74.66	V	39.01	-66.38	-2.67	0.16	-69.21	-13.00	56.21
QPSK, Frequency: 836.5 MHz								
1673.00	H	43.85	-60.46	8.71	0.85	-52.60	-13.00	39.60
1673.00	V	43.82	-60.59	8.71	0.85	-52.73	-13.00	39.73
2509.50	H	48.95	-51.66	9.42	1.01	-43.25	-13.00	30.25
2509.50	V	50.21	-50.41	9.42	1.01	-42.00	-13.00	29.00
3346.00	H	51.29	-45.87	10.34	1.16	-36.69	-13.00	23.69
3346.00	V	54.13	-42.89	10.34	1.16	-33.71	-13.00	20.71
252.06	H	38.87	-72.98	0.00	0.30	-73.28	-13.00	60.28
72.34	V	40.47	-63.54	-3.83	0.15	-67.52	-13.00	54.52
QPSK, Frequency: 848.3 MHz								
1696.60	H	42.85	-61.44	8.74	0.89	-53.59	-13.00	40.59
1696.60	V	44.34	-60.08	8.74	0.89	-52.23	-13.00	39.23
2544.90	H	46.88	-53.46	9.47	1.01	-45.00	-13.00	32.00
2544.90	V	49.22	-51.08	9.47	1.01	-42.62	-13.00	29.62
3393.20	H	45.92	-51.75	10.36	1.19	-42.58	-13.00	29.58
3393.20	V	52.67	-44.96	10.36	1.19	-35.79	-13.00	22.79
252.68	H	38.69	-73.15	0.00	0.30	-73.45	-13.00	60.45
72.85	V	40.15	-64.16	-3.58	0.16	-67.90	-13.00	54.90

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)			
QPSK, Frequency: 2502.5 MHz								
5005.00	H	47.06	-45.90	11.20	1.47	-36.17	-25.00	11.17
5005.00	V	44.80	-48.02	11.20	1.47	-38.29	-25.00	13.29
7507.50	H	37.25	-52.54	10.90	1.95	-43.59	-25.00	18.59
7507.50	V	36.32	-53.97	10.90	1.95	-45.02	-25.00	20.02
180.65	H	39.42	-73.08	0.00	0.25	-73.33	-25.00	48.33
72.85	V	41.45	-62.86	-3.58	0.16	-66.60	-25.00	41.60
QPSK, Frequency:2535 MHz								
5070.00	H	48.67	-44.52	11.24	1.47	-34.75	-25.00	9.75
5070.00	V	44.38	-48.71	11.24	1.47	-38.94	-25.00	13.94
7605.00	H	33.76	-55.71	10.88	2.01	-46.84	-25.00	21.84
7605.00	V	34.59	-55.60	10.88	2.01	-46.73	-25.00	21.73
183.84	H	38.73	-73.84	0.00	0.25	-74.09	-25.00	49.09
184.49	V	39.61	-70.06	0.00	0.25	-70.31	-25.00	45.31
QPSK, Frequency: 2567.5 MHz								
5135.00	H	49.65	-43.95	11.28	1.47	-34.14	-25.00	9.14
5135.00	V	43.67	-49.82	11.28	1.47	-40.01	-25.00	15.01
7702.50	H	34.86	-54.66	10.86	1.97	-45.77	-25.00	20.77
7702.50	V	34.46	-55.72	10.86	1.97	-46.83	-25.00	21.83
184.49	H	39.73	-72.85	0.00	0.25	-73.10	-25.00	48.10
72.59	V	41.56	-62.60	-3.71	0.16	-66.47	-25.00	41.47

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								
1399.40	H	58.62	-45.08	8.22	0.71	-37.57	-13.00	24.57
1399.40	V	60.16	-43.59	8.22	0.71	-36.08	-13.00	23.08
2798.80	H	40.16	-59.77	9.88	1.04	-50.93	-13.00	37.93
2798.80	V	40.80	-59.00	9.88	1.04	-50.16	-13.00	37.16
3498.50	H	48.06	-49.79	10.40	1.18	-40.57	-13.00	27.57
3498.50	V	48.87	-48.92	10.40	1.18	-39.70	-13.00	26.70
251.36	H	38.47	-73.40	0.00	0.30	-73.70	-13.00	60.70
72.59	V	40.65	-63.51	-3.71	0.16	-67.38	-13.00	54.38
QPSK, Frequency: 707.5 MHz								
1415.00	H	55.70	-47.97	8.26	0.72	-40.43	-13.00	27.43
1415.00	V	57.17	-46.55	8.26	0.72	-39.01	-13.00	26.01
2122.50	H	42.36	-59.63	9.17	0.92	-51.38	-13.00	38.38
2122.50	V	38.10	-63.87	9.17	0.92	-55.62	-13.00	42.62
3537.50	H	53.28	-44.46	10.44	1.21	-35.23	-13.00	22.23
3537.50	V	51.85	-45.80	10.44	1.21	-36.57	-13.00	23.57
250.30	H	38.00	-73.89	0.00	0.30	-74.19	-13.00	61.19
73.10	V	40.43	-64.03	-3.45	0.16	-67.64	-13.00	54.64
QPSK, Frequency: 715.3 MHz								
1430.60	H	56.71	-46.92	8.31	0.73	-39.34	-13.00	26.34
1430.60	V	57.16	-46.53	8.31	0.73	-38.95	-13.00	25.95
2861.20	H	40.93	-58.72	9.98	1.07	-49.81	-13.00	36.81
2861.20	V	43.33	-56.34	9.98	1.07	-47.43	-13.00	34.43
3576.50	H	56.10	-41.52	10.48	1.23	-32.27	-13.00	19.27
3576.50	V	50.76	-46.74	10.48	1.23	-37.49	-13.00	24.49
251.64	H	38.69	-73.17	0.00	0.30	-73.47	-13.00	60.47
73.51	V	41.35	-63.36	-3.25	0.16	-66.77	-13.00	53.77

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								
1413.00	H	52.58	-51.09	8.26	0.72	-43.55	-13.00	30.55
1413.00	V	53.79	-49.93	8.26	0.72	-42.39	-13.00	29.39
2826.00	H	36.66	-63.15	9.92	1.06	-54.29	-13.00	41.29
2826.00	V	36.60	-63.14	9.92	1.06	-54.28	-13.00	41.28
3532.50	H	46.41	-51.34	10.43	1.21	-42.12	-13.00	29.12
3532.50	V	44.80	-52.87	10.43	1.21	-43.65	-13.00	30.65
252.06	H	37.76	-74.09	0.00	0.30	-74.39	-13.00	61.39
72.34	V	39.25	-64.76	-3.83	0.15	-68.74	-13.00	55.74
QPSK, Frequency:710 MHz								
1420.00	H	52.54	-51.12	8.28	0.73	-43.57	-13.00	30.57
1420.00	V	53.48	-50.23	8.28	0.73	-42.68	-13.00	29.68
2840.00	H	37.36	-62.39	9.94	1.06	-53.51	-13.00	40.51
2840.00	V	37.40	-62.31	9.94	1.06	-53.43	-13.00	40.43
3550.00	H	45.24	-52.46	10.45	1.22	-43.23	-13.00	30.23
3550.00	V	43.68	-53.92	10.45	1.22	-44.69	-13.00	31.69
80.64	H	37.97	-72.02	0.00	0.16	-72.18	-13.00	59.18
73.36	V	38.92	-65.70	-3.32	0.16	-69.18	-13.00	56.18
QPSK, Frequency: 713.5 MHz								
1427.00	H	53.48	-50.16	8.30	0.73	-42.59	-13.00	29.59
1427.00	V	53.80	-49.89	8.30	0.73	-42.32	-13.00	29.32
2854.00	H	36.71	-62.98	9.97	1.07	-54.08	-13.00	41.08
2854.00	V	36.79	-62.89	9.97	1.07	-53.99	-13.00	40.99
3567.50	H	47.40	-50.25	10.47	1.23	-41.01	-13.00	28.01
3567.50	V	42.29	-55.24	10.47	1.23	-46.00	-13.00	33.00
251.23	H	37.84	-74.03	0.00	0.30	-74.33	-13.00	61.33
73.36	V	37.92	-66.70	-3.32	0.16	-70.18	-13.00	57.18

LTE Band 25 (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								
252.76	H	38.16	-73.67	0.00	0.30	-73.97	-13.00	60.97
73.36	V	40.69	-63.93	-3.32	0.16	-67.41	-13.00	54.41
3701.40	H	49.11	-48.20	10.60	1.25	-38.85	-13.00	25.85
3701.40	V	47.58	-49.71	10.60	1.25	-40.36	-13.00	27.36
5552.10	H	33.53	-59.74	11.44	1.49	-49.79	-13.00	36.79
5552.10	V	33.89	-59.21	11.44	1.49	-49.26	-13.00	36.26
QPSK, Frequency:1882.5 MHz								
255.62	H	37.61	-74.16	0.00	0.30	-74.46	-13.00	61.46
73.36	V	40.18	-64.44	-3.32	0.16	-67.92	-13.00	54.92
3765.00	H	48.65	-47.68	10.67	1.25	-38.26	-13.00	25.26
3765.00	V	47.53	-48.68	10.67	1.25	-39.26	-13.00	26.26
5647.50	H	33.97	-59.48	11.32	1.55	-49.71	-13.00	36.71
5647.50	V	33.78	-59.55	11.32	1.55	-49.78	-13.00	36.78
QPSK, Frequency: 1914.3 MHz								
253.41	H	37.89	-73.93	0.00	0.30	-74.23	-13.00	61.23
72.58	V	40.31	-63.84	-3.71	0.16	-67.71	-13.00	54.71
3828.60	H	49.15	-46.75	10.73	1.28	-37.30	-13.00	24.30
3828.60	V	48.03	-47.74	10.73	1.28	-38.29	-13.00	25.29
5742.90	H	34.35	-59.13	11.21	1.60	-49.52	-13.00	36.52
5742.90	V	34.16	-59.20	11.21	1.60	-49.59	-13.00	36.59

LTE Band 26 (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: 814.7 MHz								
1629.40	H	54.31	-50.04	8.66	0.81	-42.19	-13.00	29.19
1629.40	V	54.74	-49.67	8.66	0.81	-41.82	-13.00	28.82
2444.10	H	38.56	-62.33	9.37	1.00	-53.96	-13.00	40.96
2444.10	V	37.21	-63.54	9.37	1.00	-55.17	-13.00	42.17
3258.80	H	48.36	-48.50	10.30	1.17	-39.37	-13.00	26.37
3258.80	V	45.23	-51.38	10.30	1.17	-42.25	-13.00	29.25
150.01	H	37.80	-74.15	0.00	0.22	-74.37	-13.00	61.37
72.34	V	39.86	-64.15	-3.83	0.15	-68.13	-13.00	55.13
QPSK, Frequency:831.5 MHz								
1663.00	H	54.35	-49.97	8.70	0.83	-42.10	-13.00	29.10
1663.00	V	54.16	-50.25	8.70	0.83	-42.38	-13.00	29.38
2494.50	H	37.36	-63.34	9.40	1.01	-54.95	-13.00	41.95
2494.50	V	36.89	-63.82	9.40	1.01	-55.43	-13.00	42.43
3326.00	H	48.61	-48.34	10.33	1.16	-39.17	-13.00	26.17
3326.00	V	45.31	-51.46	10.33	1.16	-42.29	-13.00	29.29
167.80	H	37.32	-74.63	0.00	0.24	-74.87	-13.00	61.87
72.59	V	38.48	-65.68	-3.71	0.16	-69.55	-13.00	56.55
QPSK, Frequency: 848.3 MHz								
1696.60	H	54.26	-50.03	8.74	0.89	-42.18	-13.00	29.18
1696.60	V	54.11	-50.31	8.74	0.89	-42.46	-13.00	29.46
2544.90	H	37.56	-62.78	9.47	1.01	-54.32	-13.00	41.32
2544.90	V	37.21	-63.09	9.47	1.01	-54.63	-13.00	41.63
3393.20	H	48.31	-49.36	10.36	1.19	-40.19	-13.00	27.19
3393.20	V	45.12	-52.51	10.36	1.19	-43.34	-13.00	30.34
147.92	H	37.79	-74.23	0.00	0.22	-74.45	-13.00	61.45
80.08	V	37.62	-70.97	0.00	0.16	-71.13	-13.00	58.13

LTE Band 41 (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: 2498.5 MHz								
4997.00	H	46.25	-46.69	11.20	1.48	-36.97	-25.00	11.97
4997.00	V	44.31	-48.49	11.20	1.48	-38.77	-25.00	13.77
7495.50	H	32.57	-57.22	10.90	1.94	-48.26	-25.00	23.26
7495.50	V	32.77	-57.52	10.90	1.94	-48.56	-25.00	23.56
242.53	H	37.36	-74.69	0.00	0.30	-74.99	-25.00	49.99
80.08	V	39.95	-68.64	0.00	0.16	-68.80	-25.00	43.80
QPSK, Frequency: 2593 MHz								
5186.00	H	55.67	-38.36	11.31	1.44	-28.49	-25.00	3.49
5186.00	V	49.99	-43.90	11.31	1.44	-34.03	-25.00	9.03
7779.00	H	34.92	-54.57	10.84	1.99	-45.72	-25.00	20.72
7779.00	V	33.63	-56.31	10.84	1.99	-47.46	-25.00	22.46
244.23	H	37.73	-74.28	0.00	0.30	-74.58	-25.00	49.58
80.08	V	40.50	-68.09	0.00	0.16	-68.25	-25.00	43.25
QPSK, Frequency: 2687.5 MHz								
5375.00	H	42.97	-50.54	11.43	1.49	-40.60	-25.00	15.60
5375.00	V	38.36	-55.14	11.43	1.49	-45.20	-25.00	20.20
8062.50	H	32.87	-55.35	10.81	2.12	-46.66	-25.00	21.66
8062.50	V	33.32	-55.40	10.81	2.12	-46.71	-25.00	21.71
244.61	H	37.26	-74.75	0.00	0.30	-75.05	-25.00	50.05
80.08	V	40.13	-68.46	0.00	0.16	-68.62	-25.00	43.62

LTE Band 66(30MHz-20GHz):

BTE Band 65 (6000-16 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)			
QPSK, Frequency: 1710.7 MHz								
3421.40	H	39.69	-58.07	10.37	1.17	-48.87	-13.00	35.87
3421.40	V	35.69	-62.04	10.37	1.17	-52.84	-13.00	39.84
5132.10	H	47.11	-46.46	11.28	1.47	-36.65	-13.00	23.65
5132.10	V	40.02	-53.44	11.28	1.47	-43.63	-13.00	30.63
149.49	H	38.31	-73.66	0.00	0.22	-73.88	-13.00	60.88
73.36	V	37.20	-67.42	-3.32	0.16	-70.90	-13.00	57.90
QPSK, Frequency:1745 MHz								
3490.00	H	40.02	-57.82	10.40	1.17	-48.59	-13.00	35.59
3490.00	V	36.36	-61.42	10.40	1.17	-52.19	-13.00	39.19
5235.00	H	47.31	-46.59	11.34	1.46	-36.71	-13.00	23.71
5235.00	V	40.21	-53.50	11.34	1.46	-43.62	-13.00	30.62
167.24	H	37.58	-74.34	0.00	0.24	-74.58	-13.00	61.58
79.80	V	37.90	-70.56	-0.10	0.16	-70.82	-13.00	57.82
QPSK, Frequency: 1779.3 MHz								
3558.60	H	40.11	-57.56	10.46	1.22	-48.32	-13.00	35.32
3558.60	V	36.15	-61.42	10.46	1.22	-52.18	-13.00	39.18
5337.90	H	47.23	-46.24	11.40	1.47	-36.31	-13.00	23.31
5337.90	V	39.31	-54.02	11.40	1.47	-44.09	-13.00	31.09
167.38	H	37.86	-74.07	0.00	0.24	-74.31	-13.00	61.31
73.34	V	38.44	-66.16	-3.33	0.16	-69.65	-13.00	56.65

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 =====