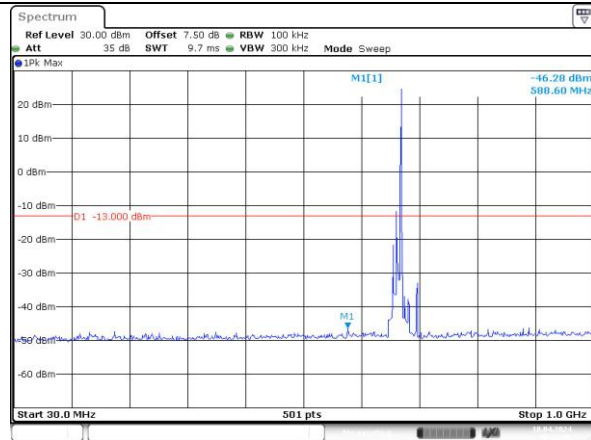


Spurious Emissions at Antenna Terminal

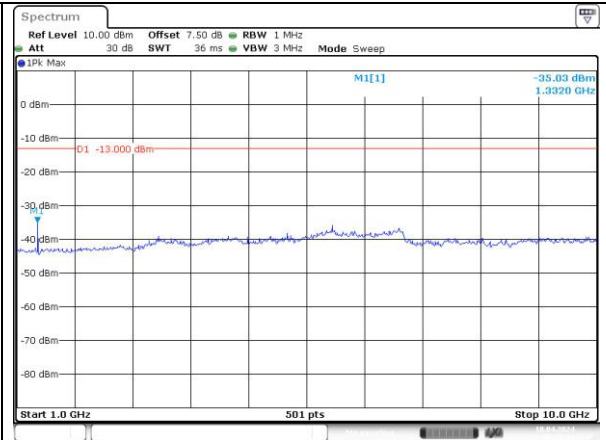
Channel

15MHz Bandwidth QPSK

Lowest

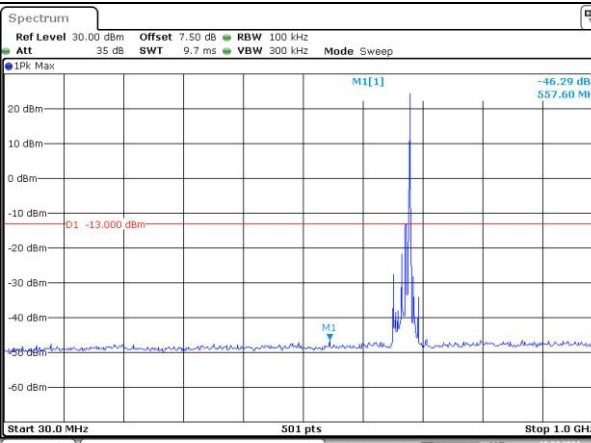


ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:51:45

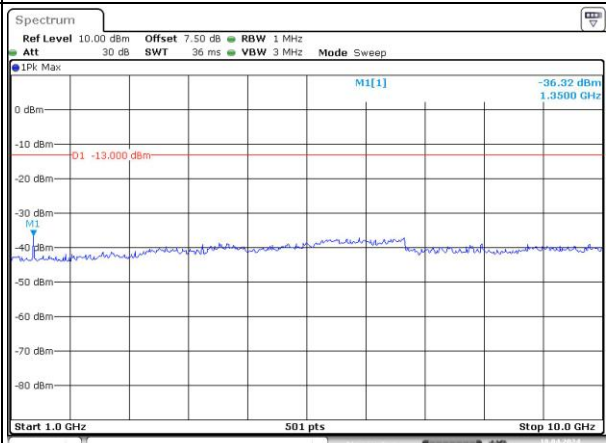


ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:20:19

Middle

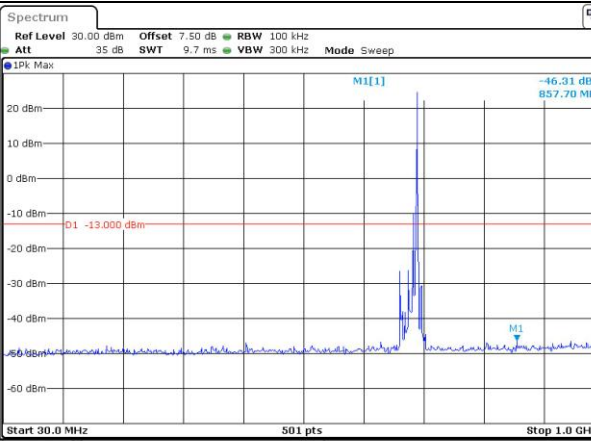


ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:49:19

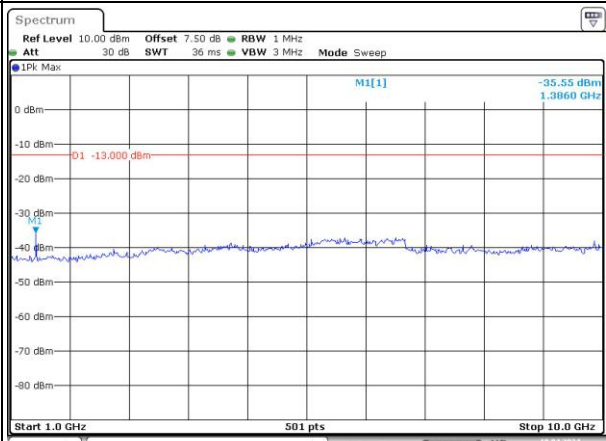


ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:21:44

Highest



ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:47:41



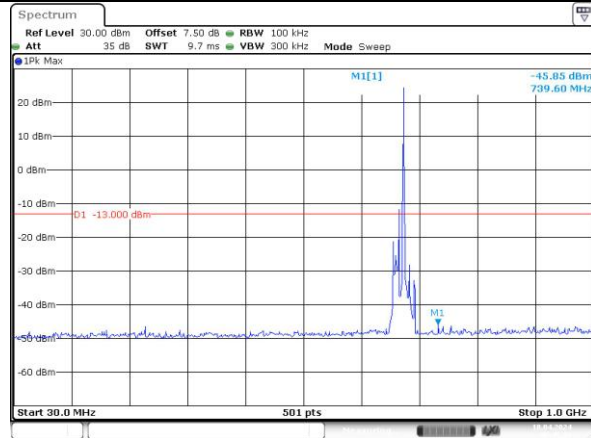
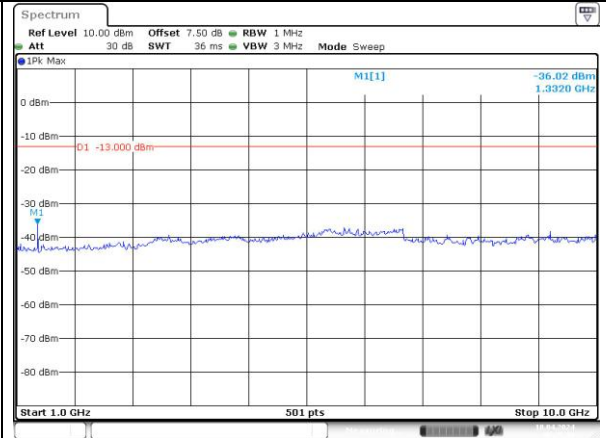
ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:23:23

Spurious Emissions at Antenna Terminal

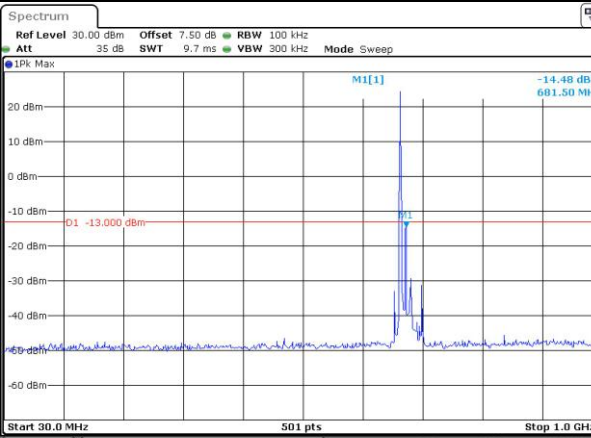
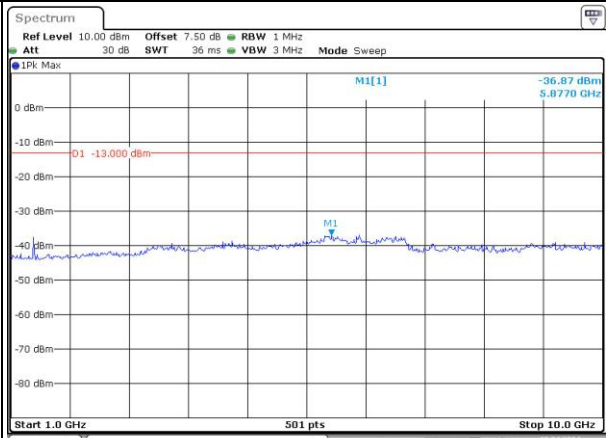
Channel

20MHz Bandwidth QPSK

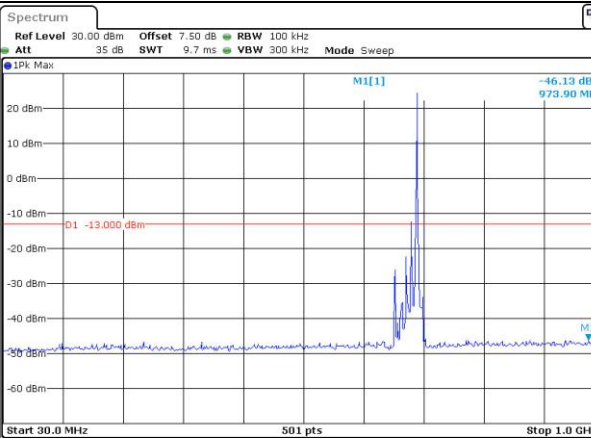
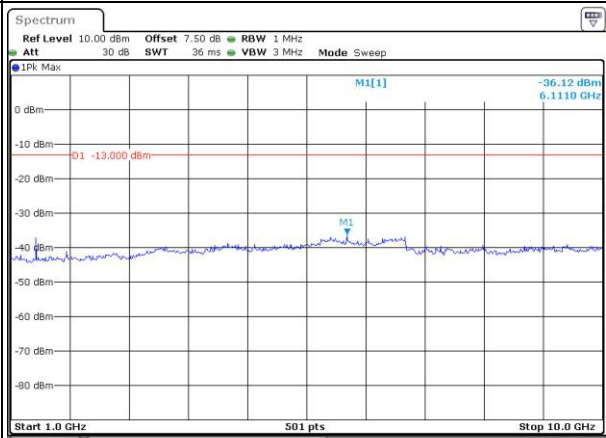
Lowest

ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:45:56ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:25:00

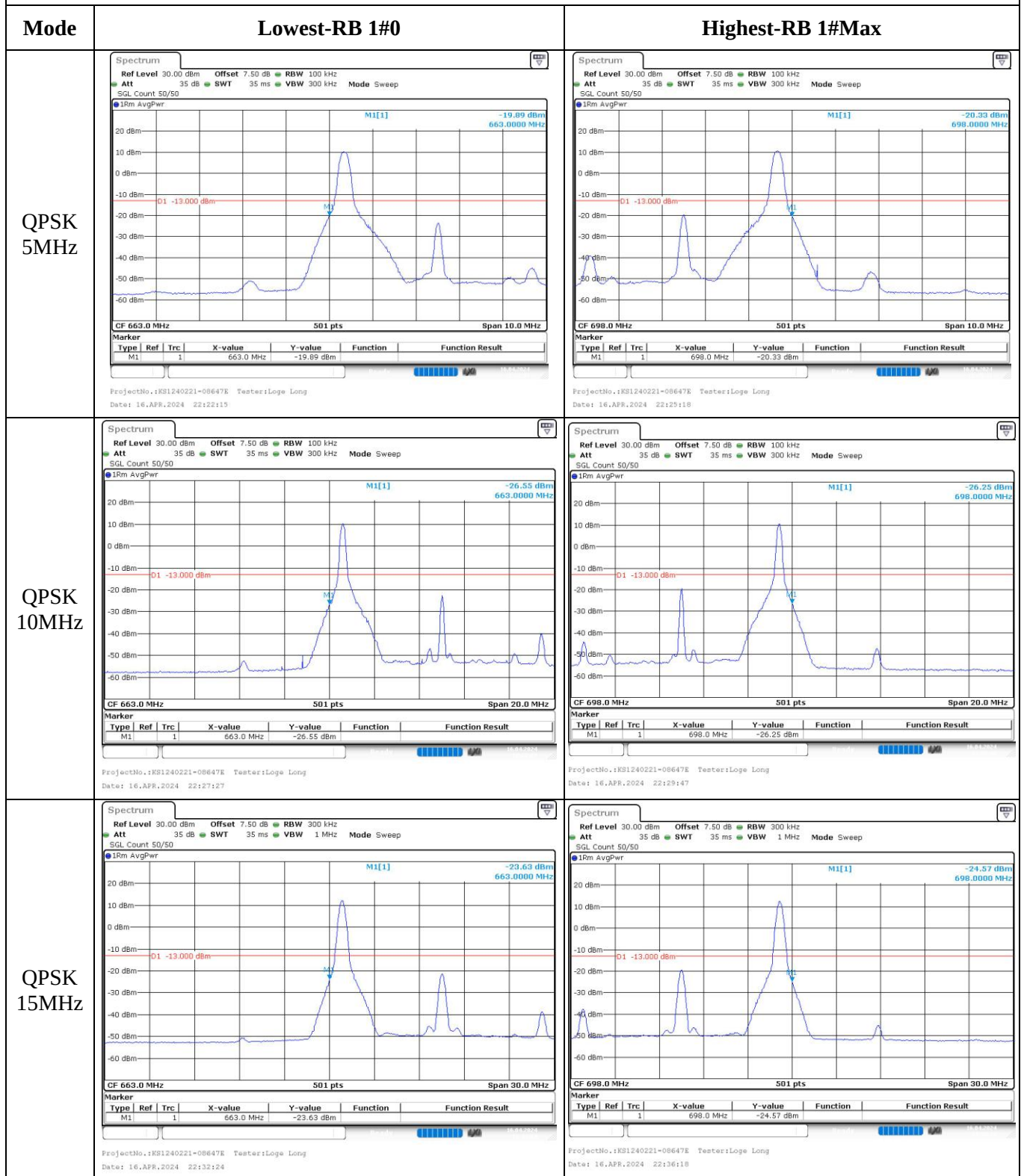
Middle

ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:26:25ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:26:51

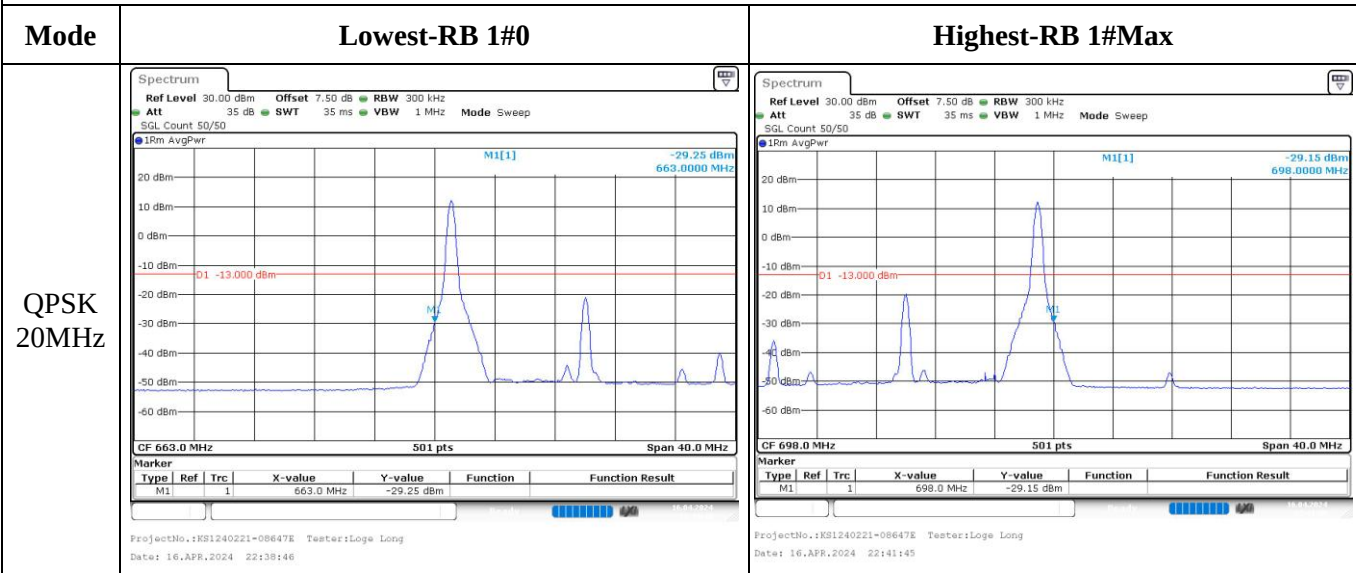
Highest

ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:44:18ProjectNo.:KS1240221-08647E Tester:Loge Long
Date: 18.APR.2024 00:28:50

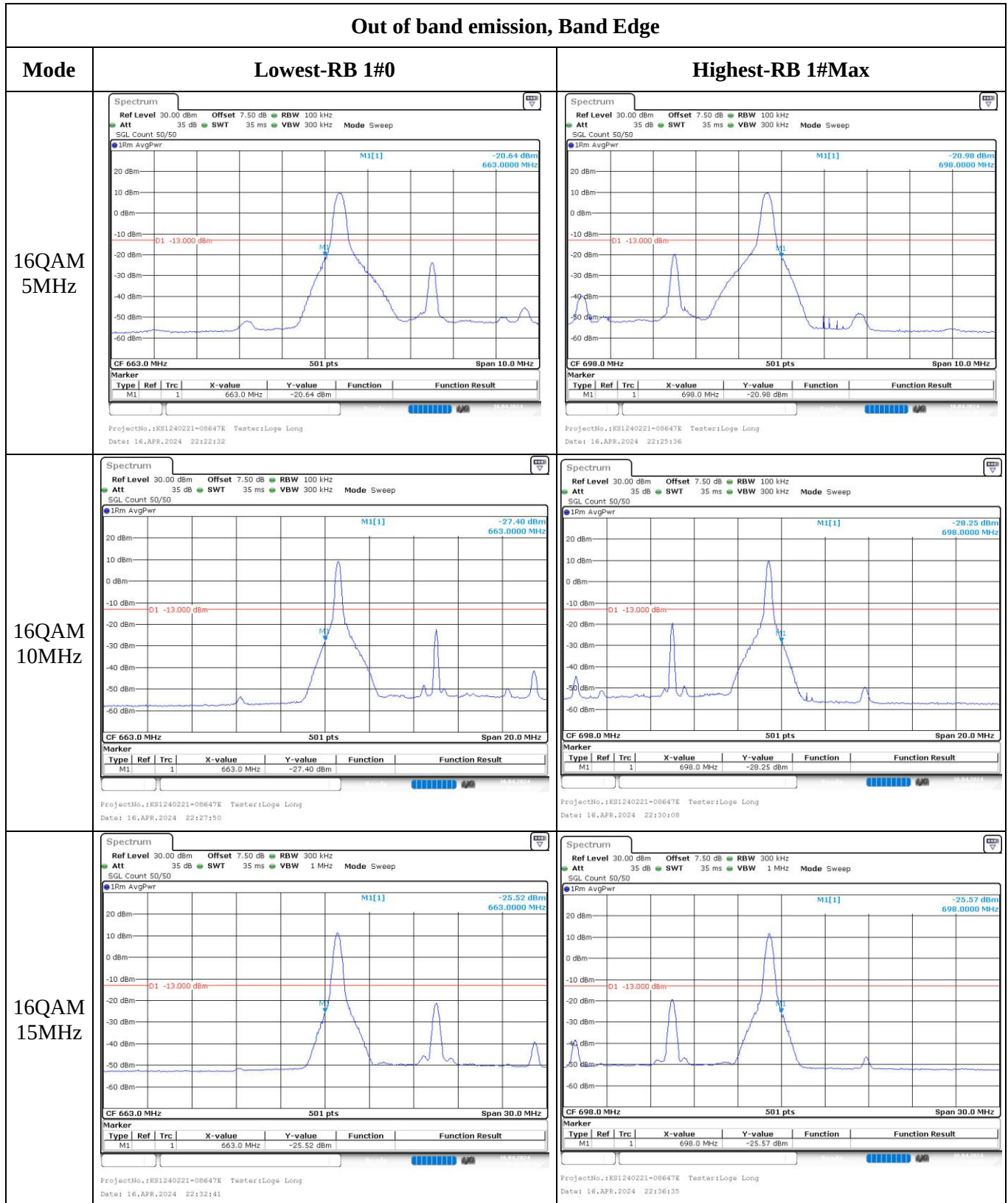
Out of band emission, Band Edge



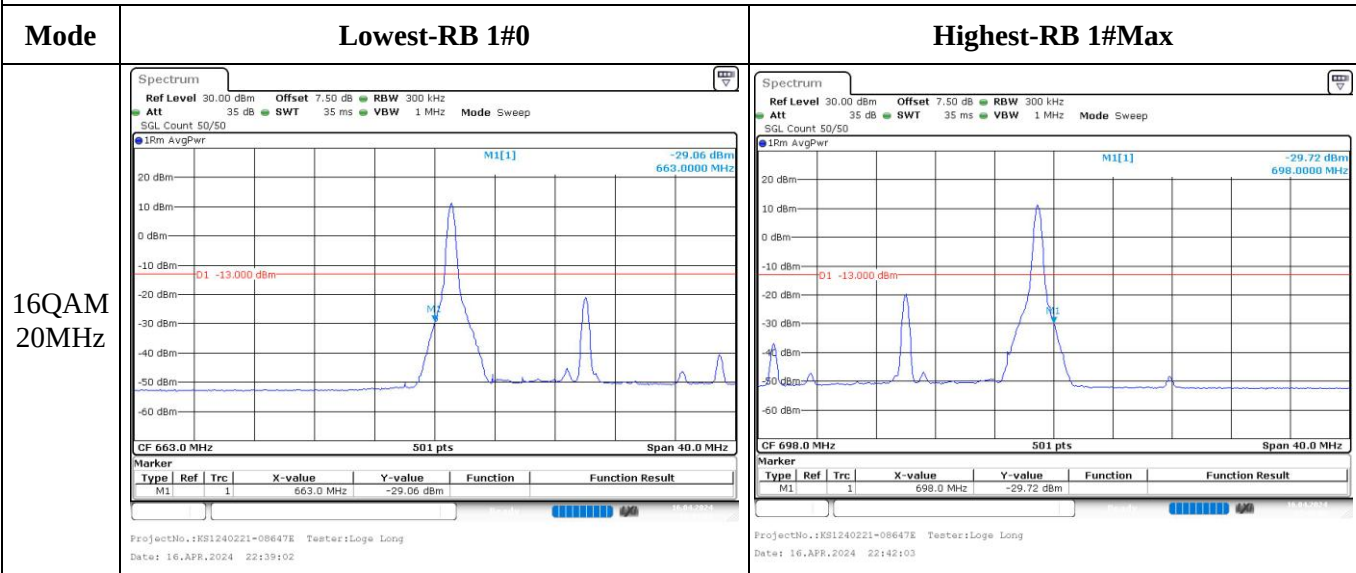
Out of band emission, Band Edge



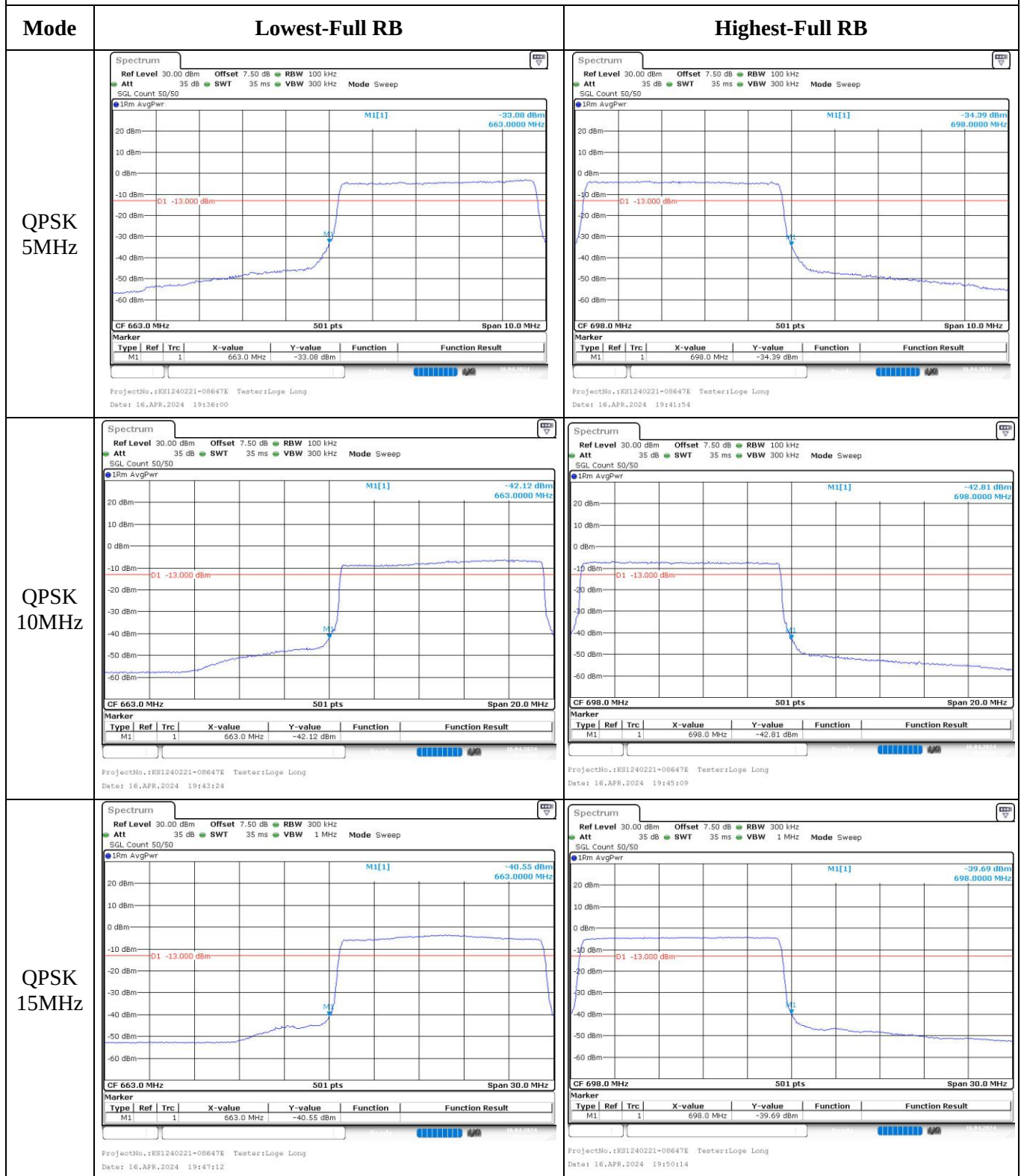
Out of band emission, Band Edge



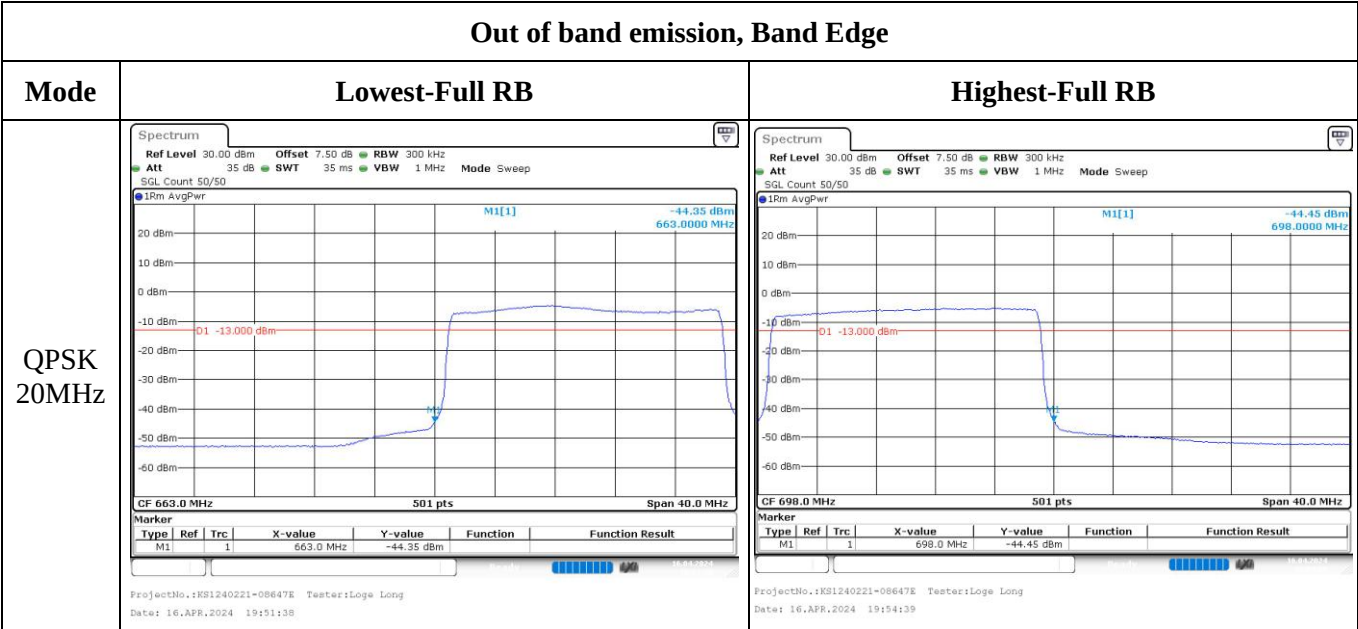
Out of band emission, Band Edge



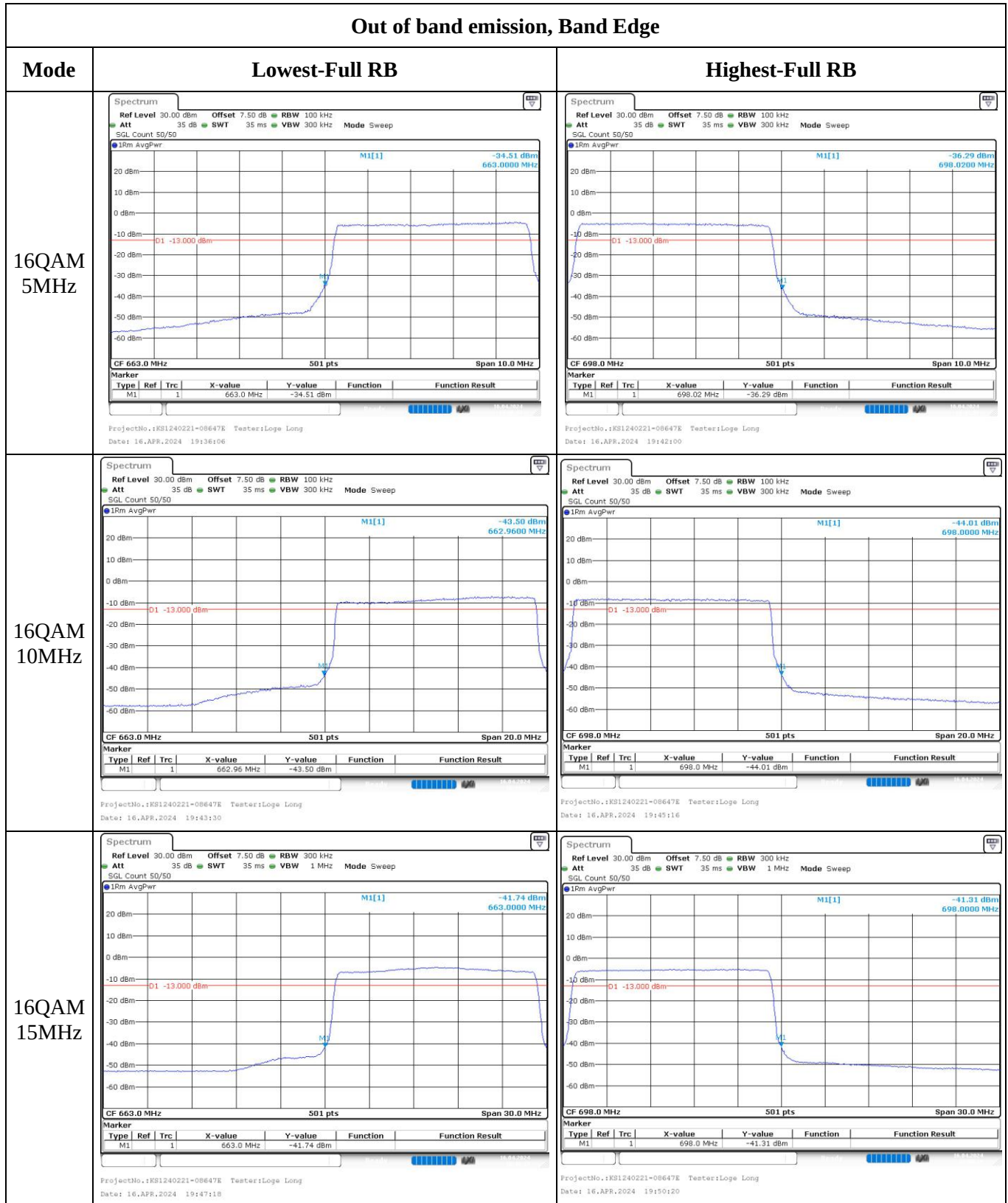
Out of band emission, Band Edge



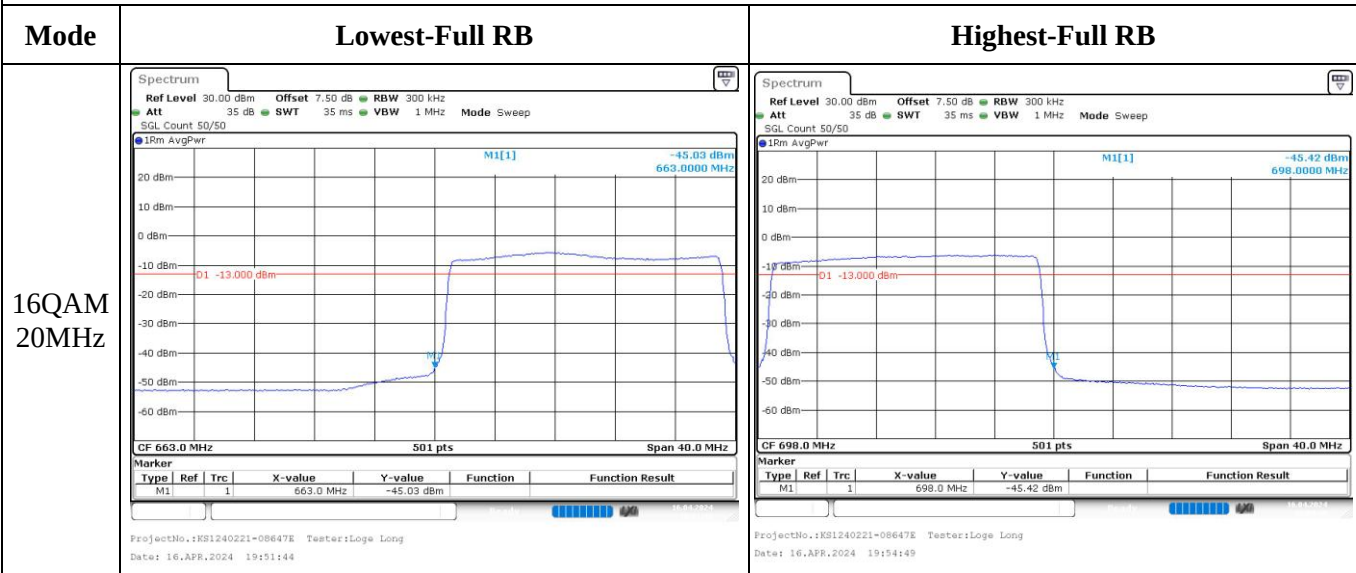
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



5.18 Radiated Spurious Emissions

Serial Number:	2HV7-5, 2HV7-6	Test Date:	Below 1GHz: 2024/3/14 Above 1GHz: 2024/3/19-2024/8/1
Test Site:	Chamber 10m, Chamber B	Test Mode:	Transmitting
Tester:	Zoo Zou, Alan Xie	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	21.6~23.4	Relative Humidity: (%)	56~57	ATM Pressure: (kPa)	101.1~101.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
30MHz~1000MHz					
Sunol Sciences	Hybrid Antenna	JB3	A060611-1	2023/9/6	2026/9/5
Narda	Attenuator	779-6dB	04269	2023/9/6	2024/9/5
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2023/8/1	2024/7/31
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2023/8/1	2024/7/31
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2023/8/1	2024/7/31
Sonoma	Amplifier	310N	185914	2023/8/1	2024/7/31
R&S	EMI Test Receiver	ESCI	100224	2023/8/18	2024/8/17
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-02	2023/9/4	2024/9/3
Agilent	Signal Generator	E8247C	MY43321350	2023/10/18	2024/10/17
R&S	Wideband Radio Communication Tester	CMW500	149216	2023/10/18	2024/10/17

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Above 1GHz					
ETS-Lindgren	Horn Antenna	3115	000 527 35	2023/9/7	2026/9/6
AH	Horn Antenna	SAS-571	1177	2023/2/22	2026/2/21
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2023/2/22	2026/2/21
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-03 1304	2023/2/22	2026/2/21
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2023/2/22	2026/2/21
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-02 1302	2023/2/22	2026/2/21
Xinhang Macrowave	Coaxial Cable	XH750A-N/J-SMA/J-10M	20231117004 #0001	2023/11/17	2024/11/16
Micro-Coax	Coaxial Cable	UFA210B	99G1448	2023/9/9	2024/9/8
Agilent	Signal Generator	E8247C	MY43321350	2023/10/18	2024/10/17
AH	Preamplifier	PAM-0118P	469	2023/8/19	2024/8/18
AH	Preamplifier	PAM-1840VH	191	2023/9/7	2024/9/6
R&S	Spectrum Analyzer	FSV40	101944	2023/10/18	2024/10/17
R&S	Wideband Radio Communication Tester	CMW500	147473	2023/10/18	2024/10/17
Mini-Circuits	High Pass Filter	VHF-1200+	31102	2023/8/1	2024/7/31
Mini-Circuits	High Pass Filter	VHF-1200+	31102	2024/8/1	2025/7/31
Mini-Circuits	High Pass Filter	VHF-2700A+	31222	2024/6/4	2025/6/4
E-Microwave	Band Rejection Filter	OBF-ZP-703-748-SMAF	OE01902425	2024/6/7	2025/6/6
E-Microwave	Band Rejection Filter	BSF-ZP-777-787-SMAF	OE01902430	2024/6/7	2025/6/6
Sinoscite	Band Rejection Filter	BSF824-862MS	1438001	2024/6/7	2025/6/6
Sinoscite	Band Rejection Filter	BSF1710-1785MN	0383003	2024/6/7	2025/6/6
Sinoscite	Band Rejection Filter	BSF1850-1910MS	0935V2001	2024/6/11	2025/6/10
Sinoscite	Band Rejection Filter	BSF2500-2750MS	1439001.000000	2024/6/7	2025/6/6

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (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:

Mode:S1**Cellular Band (30MHz-10GHz)**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2MHz								
799.61	H	47.95	-50.59	0.00	0.36	-50.95	-13.00	37.95
799.76	V	46.77	-48.73	0.00	0.36	-49.09	-13.00	36.09
1648.40	H	74.05	-51.08	10.44	0.71	-41.35	-13.00	28.35
1648.40	V	73.65	-52.08	10.44	0.71	-42.35	-13.00	29.35
2472.60	H	73.65	-49.13	12.88	1.25	-37.50	-13.00	24.50
2472.60	V	70.25	-52.58	12.88	1.25	-40.95	-13.00	27.95
3296.80	H	59.65	-59.74	13.60	1.59	-47.73	-13.00	34.73
3296.80	V	57.68	-61.71	13.60	1.59	-49.70	-13.00	36.70
GSM 850 Frequency:836.6MHz								
799.84	H	47.47	-51.06	0.00	0.36	-51.42	-13.00	38.42
800.17	V	46.68	-48.81	0.00	0.36	-49.17	-13.00	36.17
1673.20	H	74.11	-50.64	10.61	0.73	-40.76	-13.00	27.76
1673.20	V	71.65	-53.70	10.61	0.73	-43.82	-13.00	30.82
2509.80	H	70.54	-52.34	13.11	1.25	-40.48	-13.00	27.48
2509.80	V	70.55	-52.35	13.11	1.25	-40.49	-13.00	27.49
3346.40	H	58.74	-60.47	13.83	1.61	-48.25	-13.00	35.25
3346.40	V	56.47	-62.79	13.83	1.61	-50.57	-13.00	37.57
GSM 850 Frequency:848.8MHz								
799.59	H	47.63	-50.91	0.00	0.36	-51.27	-13.00	38.27
800.02	V	46.98	-48.52	0.00	0.36	-48.88	-13.00	35.88
1697.60	H	75.68	-48.69	10.78	0.75	-38.66	-13.00	25.66
1697.60	V	70.14	-54.83	10.78	0.75	-44.80	-13.00	31.80
2546.40	H	72.34	-50.53	13.15	1.27	-38.65	-13.00	25.65
2546.40	V	69.65	-53.36	13.15	1.27	-41.48	-13.00	28.48
3395.20	H	57.63	-61.36	14.08	1.64	-48.92	-13.00	35.92
3395.20	V	56.41	-62.68	14.08	1.64	-50.24	-13.00	37.24

PCS Band (30MHz-20GHz)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
800.16	H	47.93	-50.60	0.00	0.36	-50.96	-13.00	37.96
799.90	V	47.09	-48.41	0.00	0.36	-48.77	-13.00	35.77
3700.40	H	63.14	-55.43	14.00	1.83	-43.26	-13.00	30.26
3700.40	V	69.85	-48.70	14.00	1.83	-36.53	-13.00	23.53
5550.60	H	63.25	-50.86	13.95	1.27	-38.18	-13.00	25.18
5550.60	V	58.98	-54.98	13.95	1.27	-42.30	-13.00	29.30
GSM 1900 Frequency:1880MHz								
799.30	H	48.14	-50.41	0.00	0.36	-50.77	-13.00	37.77
799.37	V	47.22	-48.29	0.00	0.36	-48.65	-13.00	35.65
3760.00	H	65.98	-51.86	13.76	1.63	-39.73	-13.00	26.73
3760.00	V	69.84	-47.87	13.76	1.63	-35.74	-13.00	22.74
5640.00	H	63.54	-50.18	14.02	1.31	-37.47	-13.00	24.47
5640.00	V	59.24	-54.37	14.02	1.31	-41.66	-13.00	28.66
GSM 1900 Frequency:1909.8MHz								
799.99	H	48.35	-50.18	0.00	0.36	-50.54	-13.00	37.54
800.00	V	47.32	-48.18	0.00	0.36	-48.54	-13.00	35.54
3819.60	H	65.95	-51.32	13.56	1.50	-39.26	-13.00	26.26
3819.60	V	70.49	-46.59	13.56	1.50	-34.53	-13.00	21.53
5729.40	H	62.41	-51.61	13.96	1.31	-38.96	-13.00	25.96
5729.40	V	56.41	-57.58	13.96	1.31	-44.93	-13.00	31.93

WCDMA Band 2(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 2 Frequency:1852.4 MHz								
799.79	H	47.96	-50.57	0.00	0.36	-50.93	-13.00	37.93
800.35	V	47.29	-48.20	0.00	0.36	-48.56	-13.00	35.56
3704.80	H	60.32	-58.20	13.98	1.81	-46.03	-13.00	33.03
3704.80	V	60.41	-58.08	13.98	1.81	-45.91	-13.00	32.91
5557.20	H	50.65	-63.40	13.97	1.27	-50.70	-13.00	37.70
5557.20	V	50.48	-63.42	13.97	1.27	-50.72	-13.00	37.72
WCDMA Band 2 Frequency:1880MHz								
799.91	H	48.11	-50.42	0.00	0.36	-50.78	-13.00	37.78
799.94	V	47.45	-48.05	0.00	0.36	-48.41	-13.00	35.41
3760.00	H	61.32	-56.52	13.76	1.63	-44.39	-13.00	31.39
3760.00	V	61.98	-55.73	13.76	1.63	-43.60	-13.00	30.60
5640.00	H	50.85	-62.87	14.02	1.31	-50.16	-13.00	37.16
5640.00	V	50.69	-62.92	14.02	1.31	-50.21	-13.00	37.21
WCDMA Band 2 Frequency:1907.6MHz								
800.25	H	48.34	-50.18	0.00	0.36	-50.54	-13.00	37.54
800.04	V	47.61	-47.89	0.00	0.36	-48.25	-13.00	35.25
3815.20	H	62.35	-54.94	13.57	1.50	-42.87	-13.00	29.87
3815.20	V	60.35	-56.75	13.57	1.50	-44.68	-13.00	31.68
5722.80	H	50.40	-63.59	13.95	1.32	-50.96	-13.00	37.96
5722.80	V	50.38	-63.56	13.95	1.32	-50.93	-13.00	37.93

WCDMA Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 5 Frequency:826.4 MHz								
799.35	H	46.93	-51.62	0.00	0.36	-51.98	-13.00	38.98
800.50	V	46.59	-48.89	0.00	0.36	-49.25	-13.00	36.25
1652.80	H	57.84	-67.22	10.47	0.72	-57.47	-13.00	44.47
1652.80	V	56.29	-69.37	10.47	0.72	-59.62	-13.00	46.62
2479.20	H	50.54	-72.26	12.93	1.25	-60.58	-13.00	47.58
2479.20	V	50.84	-72.00	12.93	1.25	-60.32	-13.00	47.32
3305.60	H	50.87	-68.52	13.63	1.59	-56.48	-13.00	43.48
3305.60	V	50.32	-69.08	13.63	1.59	-57.04	-13.00	44.04
WCDMA Band 5 Frequency:836.6MHz								
800.87	H	47.60	-50.90	0.00	0.36	-51.26	-13.00	38.26
799.77	V	46.89	-48.61	0.00	0.36	-48.97	-13.00	35.97
1673.20	H	57.44	-67.31	10.61	0.73	-57.43	-13.00	44.43
1673.20	V	56.10	-69.25	10.61	0.73	-59.37	-13.00	46.37
2509.80	H	50.40	-72.48	13.11	1.25	-60.62	-13.00	47.62
2509.80	V	50.32	-72.58	13.11	1.25	-60.72	-13.00	47.72
3346.40	H	50.18	-69.03	13.83	1.61	-56.81	-13.00	43.81
3346.40	V	50.98	-68.28	13.83	1.61	-56.06	-13.00	43.06
WCDMA Band 5 Frequency:846.6MHz								
799.58	H	47.84	-50.70	0.00	0.36	-51.06	-13.00	38.06
800.40	V	47.13	-48.36	0.00	0.36	-48.72	-13.00	35.72
1693.20	H	57.84	-66.60	10.75	0.75	-56.60	-13.00	43.60
1693.20	V	56.29	-68.75	10.75	0.75	-58.75	-13.00	45.75
2539.80	H	50.30	-72.57	13.14	1.27	-60.70	-13.00	47.70
2539.80	V	50.87	-72.12	13.14	1.27	-60.25	-13.00	47.25
3386.40	H	50.59	-68.44	14.03	1.63	-56.04	-13.00	43.04
3386.40	V	50.34	-68.78	14.03	1.63	-56.38	-13.00	43.38

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)			
1RB, 1.4MHz, QPSK,Frequency:1850.7 MHz								
799.96	H	48.91	-49.62	0.00	0.36	-49.98	-13.00	36.98
800.07	V	48.71	-46.79	0.00	0.36	-47.15	-13.00	34.15
3701.40	H	65.98	-52.58	13.99	1.83	-40.42	-13.00	27.42
3701.40	V	62.52	-56.02	13.99	1.83	-43.86	-13.00	30.86
5552.10	H	55.62	-58.48	13.96	1.27	-45.79	-13.00	32.79
5552.10	V	53.29	-60.66	13.96	1.27	-47.97	-13.00	34.97
1RB, 1.4MHz, QPSK,Frequency:1880 MHz								
800.56	H	49.38	-49.13	0.00	0.36	-49.49	-13.00	36.49
799.51	V	48.90	-46.61	0.00	0.36	-46.97	-13.00	33.97
3760.00	H	65.24	-52.60	13.76	1.63	-40.47	-13.00	27.47
3760.00	V	63.25	-54.46	13.76	1.63	-42.33	-13.00	29.33
5640.00	H	56.29	-57.43	14.02	1.31	-44.72	-13.00	31.72
5640.00	V	50.26	-63.35	14.02	1.31	-50.64	-13.00	37.64
1RB, 1.4MHz, QPSK,Frequency:1909.3 MHz								
800.61	H	49.43	-49.08	0.00	0.36	-49.44	-13.00	36.44
799.44	V	48.99	-46.52	0.00	0.36	-46.88	-13.00	33.88
3818.60	H	66.25	-51.02	13.56	1.50	-38.96	-13.00	25.96
3818.60	V	64.85	-52.24	13.56	1.50	-40.18	-13.00	27.18
5727.90	H	56.29	-57.72	13.96	1.31	-45.07	-13.00	32.07
5727.90	V	55.20	-58.78	13.96	1.31	-46.13	-13.00	33.13

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)			
1RB, 1.4MHz, QPSK,Frequency:1710.7 MHz								
801.39	H	50.74	-47.75	0.00	0.36	-48.11	-13.00	35.11
799.65	V	49.44	-46.07	0.00	0.36	-46.43	-13.00	33.43
3421.40	H	57.48	-61.43	14.04	1.63	-49.02	-13.00	36.02
3421.40	V	58.29	-60.69	14.04	1.63	-48.28	-13.00	35.28
5132.10	H	50.32	-66.19	13.93	1.37	-53.63	-13.00	40.63
5132.10	V	50.49	-65.93	13.93	1.37	-53.37	-13.00	40.37
1RB, 1.4MHz, QPSK,Frequency:1732.5 MHz								
800.54	H	51.25	-47.26	0.00	0.36	-47.62	-13.00	34.62
799.45	V	49.23	-46.28	0.00	0.36	-46.64	-13.00	33.64
3465.00	H	57.62	-61.16	13.91	1.62	-48.87	-13.00	35.87
3465.00	V	59.88	-58.93	13.91	1.62	-46.64	-13.00	33.64
5197.50	H	50.47	-65.90	14.00	1.52	-53.42	-13.00	40.42
5197.50	V	49.87	-66.57	14.00	1.52	-54.09	-13.00	41.09
1RB, 1.4MHz, QPSK,Frequency:1754.3MHz								
800.84	H	51.34	-47.17	0.00	0.36	-47.53	-13.00	34.53
799.19	V	49.49	-46.03	0.00	0.36	-46.39	-13.00	33.39
3508.60	H	59.62	-59.09	13.83	1.60	-46.86	-13.00	33.86
3508.60	V	59.41	-59.30	13.83	1.60	-47.07	-13.00	34.07
5262.90	H	50.66	-66.11	14.19	1.29	-53.21	-13.00	40.21
5262.90	V	50.48	-66.37	14.19	1.29	-53.47	-13.00	40.47

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)			
1RB, 1.4MHz, QPSK, Frequency: 824.7 MHz								
800.48	H	48.46	-50.06	0.00	0.36	-50.42	-13.00	37.42
799.29	V	48.03	-47.48	0.00	0.36	-47.84	-13.00	34.84
1649.40	H	61.25	-63.86	10.45	0.71	-54.12	-13.00	41.12
1649.40	V	60.32	-65.39	10.45	0.71	-55.65	-13.00	42.65
2474.10	H	59.27	-63.51	12.89	1.25	-51.87	-13.00	38.87
2474.10	V	58.10	-64.73	12.89	1.25	-53.09	-13.00	40.09
3298.80	H	50.32	-69.09	13.60	1.59	-57.08	-13.00	44.08
3298.80	V	50.46	-68.95	13.60	1.59	-56.94	-13.00	43.94
1RB, 1.4MHz, QPSK, Frequency: 836.5 MHz								
800.19	H	48.61	-49.91	0.00	0.36	-50.27	-13.00	37.27
799.41	V	48.22	-47.29	0.00	0.36	-47.65	-13.00	34.65
1673.00	H	60.32	-64.43	10.61	0.73	-54.55	-13.00	41.55
1673.00	V	59.84	-65.51	10.61	0.73	-55.63	-13.00	42.63
2509.50	H	57.84	-65.04	13.11	1.25	-53.18	-13.00	40.18
2509.50	V	56.94	-65.96	13.11	1.25	-54.10	-13.00	41.10
3346.00	H	50.10	-69.11	13.83	1.61	-56.89	-13.00	43.89
3346.00	V	50.18	-69.08	13.83	1.61	-56.86	-13.00	43.86
1RB, 1.4MHz, QPSK, Frequency: 848.3 MHz								
800.67	H	48.85	-49.66	0.00	0.36	-50.02	-13.00	37.02
799.82	V	48.52	-46.98	0.00	0.36	-47.34	-13.00	34.34
1696.60	H	60.41	-63.97	10.78	0.75	-53.94	-13.00	40.94
1696.60	V	57.84	-67.14	10.78	0.75	-57.11	-13.00	44.11
2544.90	H	56.49	-66.38	13.14	1.27	-54.51	-13.00	41.51
2544.90	V	57.44	-65.57	13.14	1.27	-53.70	-13.00	40.70
3393.20	H	50.87	-68.13	14.07	1.64	-55.70	-13.00	42.70
3393.20	V	50.64	-68.45	14.07	1.64	-56.02	-13.00	43.02

LTE Band 7(30MHz-26GHz):

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)			
1RB, 5MHz, QPSK, Frequency: 2502.5 MHz								
799.78	H	49.56	-48.98	0.00	0.36	-49.34	-25.00	24.34
799.92	V	48.36	-47.14	0.00	0.36	-47.50	-25.00	22.50
5005.00	H	57.84	-59.81	14.00	1.43	-47.24	-25.00	22.24
5005.00	V	55.28	-62.13	14.00	1.43	-49.56	-25.00	24.56
7507.50	H	50.32	-58.81	13.20	1.33	-46.94	-25.00	21.94
7507.50	V	49.62	-59.99	13.20	1.33	-48.12	-25.00	23.12
1RB, 5MHz, QPSK, Frequency: 2535 MHz								
801.85	H	49.65	-48.83	0.00	0.36	-49.19	-25.00	24.19
799.55	V	48.88	-46.63	0.00	0.36	-46.99	-25.00	21.99
5070.00	H	60.32	-56.59	13.93	1.34	-44.00	-25.00	19.00
5070.00	V	52.08	-64.64	13.93	1.34	-52.05	-25.00	27.05
7605.00	H	50.18	-59.23	13.21	1.40	-47.42	-25.00	22.42
7605.00	V	49.87	-59.94	13.21	1.40	-48.13	-25.00	23.13
1RB, 5MHz, QPSK, Frequency: 2567.5 MHz								
801.06	H	49.90	-48.60	0.00	0.36	-48.96	-25.00	23.96
799.89	V	49.12	-46.38	0.00	0.36	-46.74	-25.00	21.74
5135.00	H	56.48	-60.02	13.94	1.38	-47.46	-25.00	22.46
5135.00	V	52.41	-64.01	13.94	1.38	-51.45	-25.00	26.45
7702.50	H	50.60	-59.09	13.40	1.47	-47.16	-25.00	22.16
7702.50	V	50.17	-59.84	13.40	1.47	-47.91	-25.00	22.91

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)			
1RB, 1.4MHz, QPSK, Frequency: 699.7 MHz								
799.85	H	49.15	-49.38	0.00	0.36	-49.74	-13.00	36.74
799.71	V	47.37	-48.14	0.00	0.36	-48.50	-13.00	35.50
1399.40	H	74.65	-49.55	9.00	1.20	-41.75	-13.00	28.75
1399.40	V	74.95	-49.85	9.00	1.20	-42.05	-13.00	29.05
2099.10	H	63.29	-60.19	11.41	1.10	-49.88	-13.00	36.88
2099.10	V	59.26	-64.22	11.41	1.10	-53.91	-13.00	40.91
2798.80	H	50.24	-71.86	13.10	1.36	-60.12	-13.00	47.12
2798.80	V	50.19	-72.11	13.10	1.36	-60.37	-13.00	47.37
1RB, 1.4MHz,QPSK, Frequency:707.5 MHz								
799.81	H	49.41	-49.12	0.00	0.36	-49.48	-13.00	36.48
800.05	V	47.54	-47.96	0.00	0.36	-48.32	-13.00	35.32
1415.00	H	74.25	-50.24	9.08	1.22	-42.38	-13.00	29.38
1415.00	V	74.98	-50.03	9.08	1.22	-42.17	-13.00	29.17
2122.50	H	63.99	-59.45	11.27	1.11	-49.29	-13.00	36.29
2122.50	V	58.41	-65.01	11.27	1.11	-54.85	-13.00	41.85
2830.00	H	53.41	-68.26	13.34	1.36	-56.28	-13.00	43.28
2830.00	V	53.29	-68.61	13.34	1.36	-56.63	-13.00	43.63
1RB, 1.4MHz,QPSK, Frequency: 715.3 MHz								
799.36	H	49.54	-49.01	0.00	0.36	-49.37	-13.00	36.37
800.11	V	47.74	-47.76	0.00	0.36	-48.12	-13.00	35.12
1430.60	H	75.62	-49.17	9.15	1.25	-41.27	-13.00	28.27
1430.60	V	74.95	-50.28	9.15	1.25	-42.38	-13.00	29.38
2145.90	H	57.84	-65.57	11.12	1.12	-55.57	-13.00	42.57
2145.90	V	60.51	-62.86	11.12	1.12	-52.86	-13.00	39.86
2861.20	H	52.87	-68.36	13.59	1.35	-56.12	-13.00	43.12
2861.20	V	50.32	-71.17	13.59	1.35	-58.93	-13.00	45.93

LTE Band 13 (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)			
1RB, 5MHz,QPSK, Frequency: 779.5 MHz								
800.13	H	47.77	-50.76	0.00	0.36	-51.12	-13.00	38.12
799.67	V	46.57	-48.94	0.00	0.36	-49.30	-13.00	36.30
1559.00	H	60.54	-65.44	9.85	0.95	-56.54	-40.00	16.54
1559.00	V	59.48	-66.90	9.85	0.95	-58.00	-40.00	18.00
2338.50	H	56.29	-66.09	11.62	1.25	-55.72	-13.00	42.72
2338.50	V	56.23	-66.17	11.62	1.25	-55.80	-13.00	42.80
3118.00	H	50.24	-69.48	13.27	1.78	-57.99	-13.00	44.99
3118.00	V	50.29	-69.45	13.27	1.78	-57.96	-13.00	44.96
1RB, 5MHz,QPSK, Frequency:784.5 MHz								
800.26	H	48.23	-50.29	0.00	0.36	-50.65	-13.00	37.65
799.42	V	47.03	-48.48	0.00	0.36	-48.84	-13.00	35.84
1569.00	H	61.35	-64.61	9.91	0.89	-55.59	-40.00	15.59
1569.00	V	61.55	-64.85	9.91	0.89	-55.83	-40.00	15.83
2353.50	H	56.32	-66.09	11.79	1.26	-55.56	-13.00	42.56
2353.50	V	55.84	-66.63	11.79	1.26	-56.10	-13.00	43.10
3138.00	H	50.20	-69.25	13.35	1.73	-57.63	-13.00	44.63
3138.00	V	50.41	-69.06	13.35	1.73	-57.44	-13.00	44.44

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)			
1RB, 5MHz,QPSK, Frequency: 706.5 MHz								
800.01	H	48.47	-50.06	0.00	0.36	-50.42	-13.00	37.42
799.68	V	47.64	-47.87	0.00	0.36	-48.23	-13.00	35.23
1413.00	H	69.84	-54.61	9.07	1.22	-46.76	-13.00	33.76
1413.00	V	66.54	-58.44	9.07	1.22	-50.59	-13.00	37.59
2119.50	H	54.81	-68.63	11.28	1.11	-58.46	-13.00	45.46
2119.50	V	54.62	-68.80	11.28	1.11	-58.63	-13.00	45.63
2826.00	H	50.85	-70.88	13.31	1.36	-58.93	-13.00	45.93
2826.00	V	50.90	-71.06	13.31	1.36	-59.11	-13.00	46.11
1RB, 5MHz,QPSK, Frequency:710 MHz								
801.11	H	48.55	-49.95	0.00	0.36	-50.31	-13.00	37.31
798.87	V	47.78	-47.74	0.00	0.36	-48.10	-13.00	35.10
1420.00	H	69.47	-55.11	9.10	1.23	-47.24	-13.00	34.24
1420.00	V	66.52	-58.56	9.10	1.23	-50.69	-13.00	37.69
2130.00	H	53.29	-70.14	11.22	1.11	-60.03	-13.00	47.03
2130.00	V	55.62	-67.78	11.22	1.11	-57.67	-13.00	44.67
2840.00	H	53.62	-67.91	13.42	1.36	-55.85	-13.00	42.85
2840.00	V	50.62	-71.15	13.42	1.36	-59.09	-13.00	46.09
1RB, 5MHz,QPSK, Frequency: 713.5 MHz								
800.23	H	48.73	-49.79	0.00	0.36	-50.15	-13.00	37.15
799.98	V	47.91	-47.59	0.00	0.36	-47.95	-13.00	34.95
1427.00	H	71.54	-53.18	9.14	1.24	-45.28	-13.00	32.28
1427.00	V	67.84	-57.34	9.14	1.24	-49.44	-13.00	36.44
2140.50	H	54.26	-69.16	11.16	1.12	-59.12	-13.00	46.12
2140.50	V	56.29	-67.09	11.16	1.12	-57.05	-13.00	44.05
2854.00	H	50.32	-71.01	13.53	1.35	-58.83	-13.00	45.83
2854.00	V	50.49	-71.10	13.53	1.35	-58.92	-13.00	45.92

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)			
1RB, 1.4MHz,QPSK, Frequency: 1850.7 MHz								
800.20	H	50.54	-47.98	0.00	0.36	-48.34	-13.00	35.34
800.08	V	50.92	-44.58	0.00	0.36	-44.94	-13.00	31.94
3701.40	H	60.20	-58.36	13.99	1.83	-46.20	-13.00	33.20
3701.40	V	60.32	-58.22	13.99	1.83	-46.06	-13.00	33.06
5552.10	H	50.41	-63.69	13.96	1.27	-51.00	-13.00	38.00
5552.10	V	50.65	-63.30	13.96	1.27	-50.61	-13.00	37.61
1RB, 1.4MHz,QPSK, Frequency:1882.5 MHz								
800.60	H	50.77	-47.74	0.00	0.36	-48.10	-13.00	35.10
800.15	V	51.16	-44.34	0.00	0.36	-44.70	-13.00	31.70
3765.00	H	59.85	-57.93	13.74	1.62	-45.81	-13.00	32.81
3765.00	V	60.57	-57.07	13.74	1.62	-44.95	-13.00	31.95
5647.50	H	50.47	-63.27	14.01	1.31	-50.57	-13.00	37.57
5647.50	V	50.32	-63.31	14.01	1.31	-50.61	-13.00	37.61
1RB, 1.4MHz,QPSK, Frequency: 1914.3 MHz								
800.18	H	50.89	-47.63	0.00	0.36	-47.99	-13.00	34.99
800.39	V	51.39	-44.10	0.00	0.36	-44.46	-13.00	31.46
3828.60	H	60.65	-56.58	13.54	1.51	-44.55	-13.00	31.55
3828.60	V	60.84	-56.22	13.54	1.51	-44.19	-13.00	31.19
5742.90	H	50.65	-63.44	13.99	1.30	-50.75	-13.00	37.75
5742.90	V	50.41	-63.66	13.99	1.30	-50.97	-13.00	37.97

LTE Band 26(30MHz-10GHz):814-824MHz

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)			
1RB, 1.4MHz,QPSK, Frequency: 814.7 MHz								
800.64	H	47.65	-50.86	0.00	0.36	-51.22	-13.00	38.22
800.09	V	48.02	-47.48	0.00	0.36	-47.84	-13.00	34.84
1629.40	H	59.62	-65.81	10.31	0.70	-56.20	-13.00	43.20
1629.40	V	50.32	-75.71	10.31	0.70	-66.10	-13.00	53.10
2444.10	H	58.41	-64.26	12.65	1.27	-52.88	-13.00	39.88
2444.10	V	58.46	-64.32	12.65	1.27	-52.94	-13.00	39.94
3258.80	H	50.87	-68.20	13.60	1.58	-56.18	-13.00	43.18
3258.80	V	50.39	-68.71	13.60	1.58	-56.69	-13.00	43.69
1RB, 1.4MHz,QPSK, Frequency: 823.3 MHz								
800.57	H	48.43	-50.08	0.00	0.36	-50.44	-13.00	37.44
800.99	V	48.27	-47.20	0.00	0.36	-47.56	-13.00	34.56
1646.60	H	59.41	-65.75	10.43	0.71	-56.03	-13.00	43.03
1646.60	V	51.95	-73.81	10.43	0.71	-64.09	-13.00	51.09
2469.90	H	58.33	-64.44	12.86	1.26	-52.84	-13.00	39.84
2469.90	V	58.52	-64.31	12.86	1.26	-52.71	-13.00	39.71
3293.20	H	50.74	-68.62	13.60	1.59	-56.61	-13.00	43.61
3293.20	V	50.62	-68.75	13.60	1.59	-56.74	-13.00	43.74
1RB, 1.4MHz,QPSK, Frequency:824 MHz								
799.72	H	48.79	-49.75	0.00	0.36	-50.11	-13.00	37.11
801.13	V	48.66	-46.80	0.00	0.36	-47.16	-13.00	34.16
1648.00	H	59.27	-65.87	10.44	0.71	-56.14	-13.00	43.14
1648.00	V	54.63	-71.11	10.44	0.71	-61.38	-13.00	48.38
2472.00	H	56.87	-65.90	12.88	1.25	-54.27	-13.00	41.27
2472.00	V	53.86	-68.97	12.88	1.25	-57.34	-13.00	44.34
3296.00	H	50.41	-68.98	13.60	1.59	-56.97	-13.00	43.97
3296.00	V	50.72	-68.67	13.60	1.59	-56.66	-13.00	43.66

LTE Band 26(30MHz-10GHz):824-849MHz

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)			
1RB, 1.4MHz,QPSK, Frequency: 824.7 MHz								
800.06	H	47.99	-50.54	0.00	0.36	-50.90	-13.00	37.90
800.78	V	48.16	-47.31	0.00	0.36	-47.67	-13.00	34.67
1649.40	H	59.74	-65.37	10.45	0.71	-55.63	-13.00	42.63
1649.40	V	55.24	-70.47	10.45	0.71	-60.73	-13.00	47.73
2474.10	H	57.41	-65.37	12.89	1.25	-53.73	-13.00	40.73
2474.10	V	54.74	-68.09	12.89	1.25	-56.45	-13.00	43.45
3298.80	H	50.18	-69.23	13.60	1.59	-57.22	-13.00	44.22
3298.80	V	50.37	-69.04	13.60	1.59	-57.03	-13.00	44.03
1RB, 1.4MHz,QPSK, Frequency: 836.5 MHz								
800.66	H	48.50	-50.01	0.00	0.36	-50.37	-13.00	37.37
800.49	V	48.29	-47.19	0.00	0.36	-47.55	-13.00	34.55
1673.00	H	59.48	-65.27	10.61	0.73	-55.39	-13.00	42.39
1673.00	V	54.67	-70.68	10.61	0.73	-60.80	-13.00	47.80
2509.50	H	58.02	-64.86	13.11	1.25	-53.00	-13.00	40.00
2509.50	V	55.12	-67.78	13.11	1.25	-55.92	-13.00	42.92
3346.00	H	50.28	-68.93	13.83	1.61	-56.71	-13.00	43.71
3346.00	V	50.44	-68.82	13.83	1.61	-56.60	-13.00	43.60
1RB, 1.4MHz,QPSK, Frequency:848.3 MHz								
799.88	H	48.83	-49.70	0.00	0.36	-50.06	-13.00	37.06
801.01	V	48.63	-46.84	0.00	0.36	-47.20	-13.00	34.20
1696.60	H	59.32	-65.06	10.78	0.75	-55.03	-13.00	42.03
1696.60	V	50.41	-74.57	10.78	0.75	-64.54	-13.00	51.54
2544.90	H	57.49	-65.38	13.14	1.27	-53.51	-13.00	40.51
2544.90	V	54.35	-68.66	13.14	1.27	-56.79	-13.00	43.79
3393.20	H	50.41	-68.59	14.07	1.64	-56.16	-13.00	43.16
3393.20	V	50.63	-68.46	14.07	1.64	-56.03	-13.00	43.03

LTE Band 38(30MHz-27GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 5MHz, QPSK, Frequency: 2572.5 MHz								
801.32	H	48.65	-49.84	0.00	0.36	-50.20	-25.00	25.20
799.18	V	48.45	-47.07	0.00	0.36	-47.43	-25.00	22.43
5145.00	H	65.98	-50.50	13.95	1.40	-37.95	-25.00	12.95
5145.00	V	58.95	-57.47	13.95	1.40	-44.92	-25.00	19.92
7717.50	H	50.32	-59.41	13.38	1.48	-47.51	-25.00	22.51
7717.50	V	50.48	-59.56	13.38	1.48	-47.66	-25.00	22.66
1RB, 5MHz, QPSK, Frequency: 2595 MHz								
800.75	H	48.87	-49.64	0.00	0.36	-50.00	-25.00	25.00
799.62	V	48.68	-46.83	0.00	0.36	-47.19	-25.00	22.19
5190.00	H	67.84	-48.54	13.99	1.51	-36.06	-25.00	11.06
5190.00	V	57.08	-59.36	13.99	1.51	-46.88	-25.00	21.88
7785.00	H	58.65	-51.28	13.32	1.53	-39.49	-25.00	14.49
7785.00	V	50.47	-59.71	13.32	1.53	-47.92	-25.00	22.92
1RB, 5MHz, QPSK, Frequency: 2617.5 MHz								
800.28	H	49.22	-49.30	0.00	0.36	-49.66	-25.00	24.66
799.73	V	48.89	-46.62	0.00	0.36	-46.98	-25.00	21.98
5235.00	H	66.58	-50.01	14.11	1.40	-37.30	-25.00	12.30
5235.00	V	58.25	-58.42	14.11	1.40	-45.71	-25.00	20.71
7852.50	H	53.62	-56.50	13.25	1.58	-44.83	-25.00	19.83
7852.50	V	50.41	-59.91	13.25	1.58	-48.24	-25.00	23.24

LTE Band 41(30MHz-27GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1RB, 5MHz,QPSK, Frequency: 2537.5MHz								
800.10	H	49.71	-48.82	0.00	0.36	-49.18	-25.00	24.18
799.87	V	49.34	-46.16	0.00	0.36	-46.52	-25.00	21.52
4997.00	H	60.32	-57.35	14.00	1.44	-44.79	-25.00	19.79
4997.00	V	61.24	-56.17	14.00	1.44	-43.61	-25.00	18.61
7495.50	H	50.40	-58.72	13.20	1.32	-46.84	-25.00	21.84
7495.50	V	50.87	-58.74	13.20	1.32	-46.86	-25.00	21.86
1RB, 5MHz,QPSK, Frequency:2595 MHz								
800.30	H	49.94	-48.58	0.00	0.36	-48.94	-25.00	23.94
799.69	V	49.57	-45.94	0.00	0.36	-46.30	-25.00	21.30
5186.00	H	58.04	-58.35	13.99	1.50	-45.86	-25.00	20.86
5186.00	V	61.74	-54.70	13.99	1.50	-42.21	-25.00	17.21
7779.00	H	50.14	-59.77	13.32	1.53	-47.98	-25.00	22.98
7779.00	V	49.87	-60.30	13.32	1.53	-48.51	-25.00	23.51
1RB, 5MHz,QPSK, Frequency: 2652.5 MHz								
800.63	H	50.31	-48.20	0.00	0.36	-48.56	-25.00	23.56
798.94	V	49.69	-45.83	0.00	0.36	-46.19	-25.00	21.19
5375.00	H	61.59	-53.04	14.15	1.38	-40.27	-25.00	15.27
5375.00	V	62.35	-52.27	14.15	1.38	-39.50	-25.00	14.50
8062.50	H	50.37	-59.94	13.34	1.72	-48.32	-25.00	23.32
8062.50	V	50.79	-59.59	13.34	1.72	-47.97	-25.00	22.97

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)			
1RB, 1.4MHz,QPSK, Frequency: 1710.7 MHz								
801.25	H	49.01	-49.48	0.00	0.36	-49.84	-13.00	36.84
800.81	V	48.56	-46.91	0.00	0.36	-47.27	-13.00	34.27
3421.40	H	60.35	-58.56	14.04	1.63	-46.15	-13.00	33.15
3421.40	V	59.62	-59.36	14.04	1.63	-46.95	-13.00	33.95
5132.10	H	58.98	-57.53	13.93	1.37	-44.97	-13.00	31.97
5132.10	V	50.29	-66.13	13.93	1.37	-53.57	-13.00	40.57
1RB, 1.4MHz,QPSK, Frequency:1745 MHz								
800.29	H	49.14	-49.38	0.00	0.36	-49.74	-13.00	36.74
798.91	V	48.77	-46.75	0.00	0.36	-47.11	-13.00	34.11
3490.00	H	60.54	-58.16	13.83	1.61	-45.94	-13.00	32.94
3490.00	V	60.32	-58.39	13.83	1.61	-46.17	-13.00	33.17
5235.00	H	58.55	-58.04	14.11	1.40	-45.33	-13.00	32.33
5235.00	V	53.26	-63.41	14.11	1.40	-50.70	-13.00	37.70
1RB, 1.4MHz,QPSK, Frequency: 1779.3 MHz								
800.51	H	49.39	-49.13	0.00	0.36	-49.49	-13.00	36.49
799.26	V	48.82	-46.70	0.00	0.36	-47.06	-13.00	34.06
3558.60	H	61.22	-57.69	13.98	1.55	-45.26	-13.00	32.26
3558.60	V	61.54	-57.37	13.98	1.55	-44.94	-13.00	31.94
5337.90	H	59.85	-55.96	14.22	1.26	-43.00	-13.00	30.00
5337.90	V	54.32	-61.52	14.22	1.26	-48.56	-13.00	35.56

LTE Band 71(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)			
1RB, 5MHz,QPSK, Frequency: 665.5 MHz								
800.94	H	46.54	-51.96	0.00	0.36	-52.32	-13.00	39.32
799.01	V	46.96	-48.56	0.00	0.36	-48.92	-13.00	35.92
1331.00	H	60.35	-64.15	8.52	1.19	-56.82	-13.00	43.82
1331.00	V	61.24	-64.07	8.52	1.19	-56.74	-13.00	43.74
1996.50	H	50.48	-74.97	11.99	1.13	-64.11	-13.00	51.11
1996.50	V	50.62	-75.22	11.99	1.13	-64.36	-13.00	51.36
2662.00	H	50.32	-72.10	13.14	1.27	-60.23	-13.00	47.23
2662.00	V	50.16	-72.44	13.14	1.27	-60.57	-13.00	47.57
1RB, 5MHz,QPSK, Frequency:680.5 MHz								
800.42	H	46.86	-51.66	0.00	0.36	-52.02	-13.00	39.02
800.21	V	47.21	-48.28	0.00	0.36	-48.64	-13.00	35.64
1361.00	H	60.95	-63.42	8.73	1.20	-55.89	-13.00	42.89
1361.00	V	61.04	-64.05	8.73	1.20	-56.52	-13.00	43.52
2041.50	H	50.32	-74.35	11.75	1.12	-63.72	-13.00	50.72
2041.50	V	50.41	-74.49	11.75	1.12	-63.86	-13.00	50.86
2722.00	H	50.80	-71.33	13.10	1.27	-59.50	-13.00	46.50
2722.00	V	50.29	-71.96	13.10	1.27	-60.13	-13.00	47.13
1RB, 5MHz,QPSK, Frequency: 695.5 MHz								
800.38	H	48.19	-50.33	0.00	0.36	-50.69	-13.00	37.69
799.14	V	47.39	-48.13	0.00	0.36	-48.49	-13.00	35.49
1391.00	H	60.35	-63.89	8.94	1.20	-56.15	-13.00	43.15
1391.00	V	61.41	-63.45	8.94	1.20	-55.71	-13.00	42.71
2086.50	H	56.92	-66.82	11.48	1.10	-56.44	-13.00	43.44
2086.50	V	50.48	-73.31	11.48	1.10	-62.93	-13.00	49.93
2782.00	H	50.19	-71.92	13.10	1.34	-60.16	-13.00	47.16
2782.00	V	50.33	-71.96	13.10	1.34	-60.20	-13.00	47.20

Mode:S1 Plus
Cellular Band (30MHz-1GHz)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2MHz								
800.15	H	48.84	-49.69	0.00	0.36	-50.05	-13.00	37.05
800.30	V	47.66	-47.83	0.00	0.36	-48.19	-13.00	35.19
1648.40	H	72.33	-52.80	10.44	0.71	-43.07	-13.00	30.07
1648.40	V	70.55	-55.18	10.44	0.71	-45.45	-13.00	32.45
2472.60	H	72.59	-50.19	12.88	1.25	-38.56	-13.00	25.56
2472.60	V	70.65	-52.18	12.88	1.25	-40.55	-13.00	27.55
3296.80	H	60.57	-58.82	13.60	1.59	-46.81	-13.00	33.81
3296.80	V	58.87	-60.52	13.60	1.59	-48.51	-13.00	35.51
GSM 850 Frequency:836.6MHz								
800.38	H	48.36	-50.16	0.00	0.36	-50.52	-13.00	37.52
800.71	V	47.57	-47.91	0.00	0.36	-48.27	-13.00	35.27
1673.20	H	73.62	-51.13	10.61	0.73	-41.25	-13.00	28.25
1673.20	V	70.84	-54.51	10.61	0.73	-44.63	-13.00	31.63
2509.80	H	71.80	-51.08	13.11	1.25	-39.22	-13.00	26.22
2509.80	V	70.24	-52.66	13.11	1.25	-40.80	-13.00	27.80
3346.40	H	59.25	-59.96	13.83	1.61	-47.74	-13.00	34.74
3346.40	V	55.75	-63.51	13.83	1.61	-51.29	-13.00	38.29
GSM 850 Frequency:848.8MHz								
800.13	H	48.52	-50.01	0.00	0.36	-50.37	-13.00	37.37
800.56	V	47.87	-47.61	0.00	0.36	-47.97	-13.00	34.97
1697.60	H	74.60	-49.77	10.78	0.75	-39.74	-13.00	26.74
1697.60	V	71.78	-53.19	10.78	0.75	-43.16	-13.00	30.16
2546.40	H	71.58	-51.29	13.15	1.27	-39.41	-13.00	26.41
2546.40	V	68.44	-54.57	13.15	1.27	-42.69	-13.00	29.69
3395.20	H	58.92	-60.07	14.08	1.64	-47.63	-13.00	34.63
3395.20	V	56.62	-62.47	14.08	1.64	-50.03	-13.00	37.03

PCS Band (30MHz-1GHz)

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								
800.70	H	48.82	-49.69	0.00	0.36	-50.05	-13.00	37.05
800.44	V	47.98	-47.51	0.00	0.36	-47.87	-13.00	34.87
3700.40	H	63.63	-54.94	14.00	1.83	-42.77	-13.00	29.77
3700.40	V	68.75	-49.80	14.00	1.83	-37.63	-13.00	24.63
5550.60	H	62.61	-51.50	13.95	1.27	-38.82	-13.00	25.82
5550.60	V	59.20	-54.76	13.95	1.27	-42.08	-13.00	29.08
GSM 1900 Frequency:1880MHz								
799.84	H	49.03	-49.50	0.00	0.36	-49.86	-13.00	36.86
799.91	V	48.11	-47.39	0.00	0.36	-47.75	-13.00	34.75
3760.00	H	64.77	-53.07	13.76	1.63	-40.94	-13.00	27.94
3760.00	V	68.45	-49.26	13.76	1.63	-37.13	-13.00	24.13
5640.00	H	62.74	-50.98	14.02	1.31	-38.27	-13.00	25.27
5640.00	V	58.29	-55.32	14.02	1.31	-42.61	-13.00	29.61
GSM 1900 Frequency:1909.8MHz								
800.53	H	49.24	-49.27	0.00	0.36	-49.63	-13.00	36.63
800.54	V	48.21	-47.27	0.00	0.36	-47.63	-13.00	34.63
3819.60	H	64.25	-53.02	13.56	1.50	-40.96	-13.00	27.96
3819.60	V	70.63	-46.45	13.56	1.50	-34.39	-13.00	21.39
5729.40	H	63.56	-50.46	13.96	1.31	-37.81	-13.00	24.81
5729.40	V	55.33	-58.66	13.96	1.31	-46.01	-13.00	33.01

WCDMA Band 2(30MHz-1GHz):

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 2 Frequency:1852.4 MHz								
800.33	H	48.85	-49.67	0.00	0.36	-50.03	-13.00	37.03
800.89	V	48.18	-47.29	0.00	0.36	-47.65	-13.00	34.65
3704.80	H	61.31	-57.21	13.98	1.81	-45.04	-13.00	32.04
3704.80	V	60.09	-58.40	13.98	1.81	-46.23	-13.00	33.23
5557.20	H	51.70	-62.35	13.97	1.27	-49.65	-13.00	36.65
5557.20	V	50.52	-63.38	13.97	1.27	-50.68	-13.00	37.68
WCDMA Band 2 Frequency:1880MHz								
800.45	H	49.00	-49.52	0.00	0.36	-49.88	-13.00	36.88
800.48	V	48.34	-47.14	0.00	0.36	-47.50	-13.00	34.50
3760.00	H	60.62	-57.22	13.76	1.63	-45.09	-13.00	32.09
3760.00	V	59.40	-58.31	13.76	1.63	-46.18	-13.00	33.18
5640.00	H	52.12	-61.60	14.02	1.31	-48.89	-13.00	35.89
5640.00	V	51.82	-61.79	14.02	1.31	-49.08	-13.00	36.08
WCDMA Band 2 Frequency:1907.6MHz								
800.79	H	49.23	-49.28	0.00	0.36	-49.64	-13.00	36.64
800.58	V	48.50	-46.98	0.00	0.36	-47.34	-13.00	34.34
3815.20	H	61.63	-55.66	13.57	1.50	-43.59	-13.00	30.59
3815.20	V	59.56	-57.54	13.57	1.50	-45.47	-13.00	32.47
5722.80	H	50.60	-63.39	13.95	1.32	-50.76	-13.00	37.76
5722.80	V	50.79	-63.15	13.95	1.32	-50.52	-13.00	37.52

WCDMA Band 5(30MHz-1GHz):

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								
799.89	H	47.82	-50.71	0.00	0.36	-51.07	-13.00	38.07
801.04	V	47.48	-47.99	0.00	0.36	-48.35	-13.00	35.35
1652.80	H	58.46	-66.60	10.47	0.72	-56.85	-13.00	43.85
1652.80	V	56.52	-69.14	10.47	0.72	-59.39	-13.00	46.39
2479.20	H	50.53	-72.27	12.93	1.25	-60.59	-13.00	47.59
2479.20	V	52.34	-70.50	12.93	1.25	-58.82	-13.00	45.82
3305.60	H	50.40	-68.99	13.63	1.59	-56.95	-13.00	43.95
3305.60	V	50.79	-68.61	13.63	1.59	-56.57	-13.00	43.57
WCDMA Band 5 Frequency:836.6MHz								
801.41	H	48.49	-50.00	0.00	0.36	-50.36	-13.00	37.36
800.31	V	47.78	-47.71	0.00	0.36	-48.07	-13.00	35.07
1673.20	H	56.40	-68.35	10.61	0.73	-58.47	-13.00	45.47
1673.20	V	55.72	-69.63	10.61	0.73	-59.75	-13.00	46.75
2509.80	H	50.52	-72.36	13.11	1.25	-60.50	-13.00	47.50
2509.80	V	50.57	-72.33	13.11	1.25	-60.47	-13.00	47.47
3346.40	H	50.71	-68.50	13.83	1.61	-56.28	-13.00	43.28
3346.40	V	50.86	-68.40	13.83	1.61	-56.18	-13.00	43.18
WCDMA Band 5 Frequency:846.6MHz								
800.12	H	48.73	-49.80	0.00	0.36	-50.16	-13.00	37.16
800.94	V	48.02	-47.45	0.00	0.36	-47.81	-13.00	34.81
1693.20	H	56.67	-67.77	10.75	0.75	-57.77	-13.00	44.77
1693.20	V	56.75	-68.29	10.75	0.75	-58.29	-13.00	45.29
2539.80	H	50.72	-72.15	13.14	1.27	-60.28	-13.00	47.28
2539.80	V	50.52	-72.47	13.14	1.27	-60.60	-13.00	47.60
3386.40	H	50.60	-68.43	14.03	1.63	-56.03	-13.00	43.03
3386.40	V	50.38	-68.74	14.03	1.63	-56.34	-13.00	43.34

LTE Bands:

(The Worst modulation and bandwidth was below)

LTE Band 2(30MHz-1GHz):

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)			
1RB, 1.4MHz, QPSK,Frequency:1850.7 MHz								
800.50	H	49.80	-48.72	0.00	0.36	-49.08	-13.00	36.08
800.61	V	49.60	-45.88	0.00	0.36	-46.24	-13.00	33.24
3701.40	H	64.26	-54.30	13.99	1.83	-42.14	-13.00	29.14
3701.40	V	60.18	-58.36	13.99	1.83	-46.20	-13.00	33.20
5552.10	H	56.79	-57.31	13.96	1.27	-44.62	-13.00	31.62
5552.10	V	54.27	-59.68	13.96	1.27	-46.99	-13.00	33.99
1RB, 1.4MHz, QPSK,Frequency:1880 MHz								
801.10	H	50.27	-48.23	0.00	0.36	-48.59	-13.00	35.59
800.05	V	49.79	-45.71	0.00	0.36	-46.07	-13.00	33.07
3760.00	H	64.73	-53.11	13.76	1.63	-40.98	-13.00	27.98
3760.00	V	62.33	-55.38	13.76	1.63	-43.25	-13.00	30.25
5640.00	H	52.52	-61.20	14.02	1.31	-48.49	-13.00	35.49
5640.00	V	52.40	-61.21	14.02	1.31	-48.50	-13.00	35.50
1RB, 1.4MHz, QPSK,Frequency:1909.3 MHz								
801.15	H	50.32	-48.18	0.00	0.36	-48.54	-13.00	35.54
799.98	V	49.88	-45.62	0.00	0.36	-45.98	-13.00	32.98
3818.60	H	65.70	-51.57	13.56	1.50	-39.51	-13.00	26.51
3818.60	V	63.51	-53.58	13.56	1.50	-41.52	-13.00	28.52
5727.90	H	55.73	-58.28	13.96	1.31	-45.63	-13.00	32.63
5727.90	V	54.21	-59.77	13.96	1.31	-47.12	-13.00	34.12

LTE Band 4(30MHz-1GHz):

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)			
1RB, 1.4MHz, QPSK,Frequency:1710.7 MHz								
801.93	H	51.63	-46.84	0.00	0.36	-47.20	-13.00	34.20
800.19	V	50.33	-45.16	0.00	0.36	-45.52	-13.00	32.52
3421.40	H	58.28	-60.63	14.04	1.63	-48.22	-13.00	35.22
3421.40	V	58.96	-60.02	14.04	1.63	-47.61	-13.00	34.61
5132.10	H	51.37	-65.14	13.93	1.37	-52.58	-13.00	39.58
5132.10	V	51.55	-64.87	13.93	1.37	-52.31	-13.00	39.31
1RB, 1.4MHz, QPSK,Frequency:1732.5 MHz								
801.08	H	52.14	-46.36	0.00	0.36	-46.72	-13.00	33.72
799.99	V	50.12	-45.38	0.00	0.36	-45.74	-13.00	32.74
3465.00	H	56.76	-62.02	13.91	1.62	-49.73	-13.00	36.73
3465.00	V	59.42	-59.39	13.91	1.62	-47.10	-13.00	34.10
5197.50	H	52.29	-64.08	14.00	1.52	-51.60	-13.00	38.60
5197.50	V	50.60	-65.84	14.00	1.52	-53.36	-13.00	40.36
1RB, 1.4MHz, QPSK,Frequency:1754.3MHz								
801.38	H	52.23	-46.26	0.00	0.36	-46.62	-13.00	33.62
799.73	V	50.38	-45.13	0.00	0.36	-45.49	-13.00	32.49
3508.60	H	58.67	-60.04	13.83	1.60	-47.81	-13.00	34.81
3508.60	V	58.80	-59.91	13.83	1.60	-47.68	-13.00	34.68
5262.90	H	50.24	-66.53	14.19	1.29	-53.63	-13.00	40.63
5262.90	V	49.37	-67.48	14.19	1.29	-54.58	-13.00	41.58

LTE Band 5(30MHz-1GHz):

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)			
1RB, 1.4MHz, QPSK, Frequency: 824.7 MHz								
801.02	H	49.35	-49.15	0.00	0.36	-49.51	-13.00	36.51
799.83	V	48.92	-46.58	0.00	0.36	-46.94	-13.00	33.94
1649.40	H	62.25	-62.86	10.45	0.71	-53.12	-13.00	40.12
1649.40	V	60.16	-65.55	10.45	0.71	-55.81	-13.00	42.81
2474.10	H	60.80	-61.98	12.89	1.25	-50.34	-13.00	37.34
2474.10	V	58.30	-64.53	12.89	1.25	-52.89	-13.00	39.89
3298.80	H	50.84	-68.57	13.60	1.59	-56.56	-13.00	43.56
3298.80	V	50.64	-68.77	13.60	1.59	-56.76	-13.00	43.76
1RB, 1.4MHz, QPSK, Frequency: 836.5 MHz								
800.73	H	49.50	-49.01	0.00	0.36	-49.37	-13.00	36.37
799.95	V	49.11	-46.39	0.00	0.36	-46.75	-13.00	33.75
1673.00	H	62.50	-62.25	10.61	0.73	-52.37	-13.00	39.37
1673.00	V	60.30	-65.05	10.61	0.73	-55.17	-13.00	42.17
2509.50	H	58.11	-64.77	13.11	1.25	-52.91	-13.00	39.91
2509.50	V	56.91	-65.99	13.11	1.25	-54.13	-13.00	41.13
3346.00	H	50.39	-68.82	13.83	1.61	-56.60	-13.00	43.60
3346.00	V	50.68	-68.58	13.83	1.61	-56.36	-13.00	43.36
1RB, 1.4MHz, QPSK, Frequency: 848.3 MHz								
801.21	H	49.74	-48.75	0.00	0.36	-49.11	-13.00	36.11
800.36	V	49.41	-46.08	0.00	0.36	-46.44	-13.00	33.44
1696.60	H	60.91	-63.47	10.78	0.75	-53.44	-13.00	40.44
1696.60	V	58.74	-66.24	10.78	0.75	-56.21	-13.00	43.21
2544.90	H	55.25	-67.62	13.14	1.27	-55.75	-13.00	42.75
2544.90	V	57.50	-65.51	13.14	1.27	-53.64	-13.00	40.64
3393.20	H	50.70	-68.30	14.07	1.64	-55.87	-13.00	42.87
3393.20	V	50.72	-68.37	14.07	1.64	-55.94	-13.00	42.94

LTE Band 7(30MHz-1GHz):

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)			
1RB, 5MHz, QPSK, Frequency: 2502.5 MHz								
800.32	H	50.45	-48.07	0.00	0.36	-48.43	-25.00	23.43
800.46	V	49.25	-46.23	0.00	0.36	-46.59	-25.00	21.59
5005.00	H	58.46	-59.19	14.00	1.43	-46.62	-25.00	21.62
5005.00	V	55.65	-61.76	14.00	1.43	-49.19	-25.00	24.19
7507.50	H	50.42	-58.71	13.20	1.33	-46.84	-25.00	21.84
7507.50	V	52.81	-56.80	13.20	1.33	-44.93	-25.00	19.93
1RB, 5MHz, QPSK, Frequency: 2535 MHz								
802.39	H	50.54	-47.92	0.00	0.36	-48.28	-25.00	23.28
800.09	V	49.77	-45.73	0.00	0.36	-46.09	-25.00	21.09
5070.00	H	58.05	-58.86	13.93	1.34	-46.27	-25.00	21.27
5070.00	V	55.40	-61.32	13.93	1.34	-48.73	-25.00	23.73
7605.00	H	52.23	-57.18	13.21	1.40	-45.37	-25.00	20.37
7605.00	V	50.31	-59.50	13.21	1.40	-47.69	-25.00	22.69
1RB, 5MHz, QPSK, Frequency: 2567.5 MHz								
801.60	H	50.79	-47.69	0.00	0.36	-48.05	-25.00	23.05
800.43	V	50.01	-45.48	0.00	0.36	-45.84	-25.00	20.84
5135.00	H	55.44	-61.06	13.94	1.38	-48.50	-25.00	23.50
5135.00	V	53.56	-62.86	13.94	1.38	-50.30	-25.00	25.30
7702.50	H	50.19	-59.50	13.40	1.47	-47.57	-25.00	22.57
7702.50	V	50.35	-59.66	13.40	1.47	-47.73	-25.00	22.73

LTE Band 12(30MHz-1GHz):

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)			
1RB, 1.4MHz, QPSK, Frequency: 699.7 MHz								
800.39	H	50.04	-48.48	0.00	0.36	-48.84	-13.00	35.84
800.25	V	48.26	-47.23	0.00	0.36	-47.59	-13.00	34.59
1399.40	H	72.70	-51.50	9.00	1.20	-43.70	-13.00	30.70
1399.40	V	70.58	-54.22	9.00	1.20	-46.42	-13.00	33.42
2099.10	H	64.48	-59.00	11.41	1.10	-48.69	-13.00	35.69
2099.10	V	60.46	-63.02	11.41	1.10	-52.71	-13.00	39.71
2798.80	H	50.12	-71.98	13.10	1.36	-60.24	-13.00	47.24
2798.80	V	50.23	-72.07	13.10	1.36	-60.33	-13.00	47.33
1RB, 1.4MHz,QPSK, Frequency:707.5 MHz								
800.35	H	50.30	-48.22	0.00	0.36	-48.58	-13.00	35.58
800.59	V	48.43	-47.05	0.00	0.36	-47.41	-13.00	34.41
1415.00	H	72.79	-51.70	9.08	1.22	-43.84	-13.00	30.84
1415.00	V	71.81	-53.20	9.08	1.22	-45.34	-13.00	32.34
2122.50	H	64.32	-59.12	11.27	1.11	-48.96	-13.00	35.96
2122.50	V	60.65	-62.77	11.27	1.11	-52.61	-13.00	39.61
2830.00	H	54.83	-66.84	13.34	1.36	-54.86	-13.00	41.86
2830.00	V	52.86	-69.04	13.34	1.36	-57.06	-13.00	44.06
1RB, 1.4MHz,QPSK, Frequency: 715.3 MHz								
799.90	H	50.43	-48.10	0.00	0.36	-48.46	-13.00	35.46
800.65	V	48.63	-46.85	0.00	0.36	-47.21	-13.00	34.21
1430.60	H	75.58	-49.21	9.15	1.25	-41.31	-13.00	28.31
1430.60	V	72.18	-53.05	9.15	1.25	-45.15	-13.00	32.15
2145.90	H	58.76	-64.65	11.12	1.12	-54.65	-13.00	41.65
2145.90	V	60.68	-62.69	11.12	1.12	-52.69	-13.00	39.69
2861.20	H	53.19	-68.04	13.59	1.35	-55.80	-13.00	42.80
2861.20	V	51.89	-69.60	13.59	1.35	-57.36	-13.00	44.36

LTE Band 13 (30MHz-1GHz):

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)			
1RB, 5MHz,QPSK, Frequency: 779.5 MHz								
800.67	H	48.66	-49.85	0.00	0.36	-50.21	-13.00	37.21
800.21	V	47.46	-48.03	0.00	0.36	-48.39	-13.00	35.39
1559.00	H	51.40	-74.58	9.85	0.95	-65.68	-40.00	25.68
1559.00	V	59.50	-66.88	9.85	0.95	-57.98	-40.00	17.98
2338.50	H	56.78	-65.60	11.62	1.25	-55.23	-13.00	42.23
2338.50	V	55.83	-66.57	11.62	1.25	-56.20	-13.00	43.20
3118.00	H	51.69	-68.03	13.27	1.78	-56.54	-13.00	43.54
3118.00	V	50.59	-69.15	13.27	1.78	-57.66	-13.00	44.66
1RB, 5MHz,QPSK, Frequency:784.5 MHz								
800.80	H	49.12	-49.39	0.00	0.36	-49.75	-13.00	36.75
799.96	V	47.92	-47.58	0.00	0.36	-47.94	-13.00	34.94
1569.00	H	62.85	-63.11	9.91	0.89	-54.09	-40.00	14.09
1569.00	V	60.85	-65.55	9.91	0.89	-56.53	-40.00	16.53
2353.50	H	57.60	-64.81	11.79	1.26	-54.28	-13.00	41.28
2353.50	V	55.21	-67.26	11.79	1.26	-56.73	-13.00	43.73
3138.00	H	51.34	-68.11	13.35	1.73	-56.49	-13.00	43.49
3138.00	V	51.27	-68.20	13.35	1.73	-56.58	-13.00	43.58

LTE Band 17(30MHz-1GHz):

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)			
1RB, 5MHz,QPSK, Frequency: 706.5 MHz								
800.55	H	49.36	-49.15	0.00	0.36	-49.51	-13.00	36.51
800.22	V	48.53	-46.96	0.00	0.36	-47.32	-13.00	34.32
1413.00	H	68.75	-55.70	9.07	1.22	-47.85	-13.00	34.85
1413.00	V	66.59	-58.39	9.07	1.22	-50.54	-13.00	37.54
2119.50	H	55.40	-68.04	11.28	1.11	-57.87	-13.00	44.87
2119.50	V	54.73	-68.69	11.28	1.11	-58.52	-13.00	45.52
2826.00	H	50.91	-70.82	13.31	1.36	-58.87	-13.00	45.87
2826.00	V	51.19	-70.77	13.31	1.36	-58.82	-13.00	45.82
1RB, 5MHz,QPSK, Frequency:710 MHz								
801.65	H	49.44	-49.04	0.00	0.36	-49.40	-13.00	36.40
799.41	V	48.67	-46.84	0.00	0.36	-47.20	-13.00	34.20
1420.00	H	70.39	-54.19	9.10	1.23	-46.32	-13.00	33.32
1420.00	V	68.26	-56.82	9.10	1.23	-48.95	-13.00	35.95
2130.00	H	54.75	-68.68	11.22	1.11	-58.57	-13.00	45.57
2130.00	V	55.50	-67.90	11.22	1.11	-57.79	-13.00	44.79
2840.00	H	52.43	-69.10	13.42	1.36	-57.04	-13.00	44.04
2840.00	V	50.49	-71.28	13.42	1.36	-59.22	-13.00	46.22
1RB, 5MHz,QPSK, Frequency: 713.5 MHz								
800.77	H	49.62	-48.89	0.00	0.36	-49.25	-13.00	36.25
800.52	V	48.80	-46.68	0.00	0.36	-47.04	-13.00	34.04
1427.00	H	70.27	-54.45	9.14	1.24	-46.55	-13.00	33.55
1427.00	V	68.54	-56.64	9.14	1.24	-48.74	-13.00	35.74
2140.50	H	55.71	-67.71	11.16	1.12	-57.67	-13.00	44.67
2140.50	V	57.60	-65.78	11.16	1.12	-55.74	-13.00	42.74
2854.00	H	50.32	-71.01	13.53	1.35	-58.83	-13.00	45.83
2854.00	V	49.89	-71.70	13.53	1.35	-59.52	-13.00	46.52

LTE Band 25(30MHz-1GHz):

E1E Band 15(5MHz, 15MHz)								
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)			
1RB, 5MHz,QPSK, Frequency: 1850.4 MHz								
800.74	H	51.43	-47.08	0.00	0.36	-47.44	-13.00	34.44
800.62	V	51.81	-43.67	0.00	0.36	-44.03	-13.00	31.03
3701.40	H	61.30	-57.26	13.99	1.83	-45.10	-13.00	32.10
3701.40	V	60.12	-58.42	13.99	1.83	-46.26	-13.00	33.26
5552.10	H	21.60	-92.50	13.96	1.27	-79.81	-13.00	66.81
5552.10	V	49.86	-64.09	13.96	1.27	-51.40	-13.00	38.40
1RB, 5MHz,QPSK, Frequency:1882.5 MHz								
801.14	H	51.66	-46.84	0.00	0.36	-47.20	-13.00	34.20
800.69	V	52.05	-43.43	0.00	0.36	-43.79	-13.00	30.79
3765.00	H	58.89	-58.89	13.74	1.62	-46.77	-13.00	33.77
3765.00	V	59.75	-57.89	13.74	1.62	-45.77	-13.00	32.77
5647.50	H	50.56	-63.18	14.01	1.31	-50.48	-13.00	37.48
5647.50	V	49.46	-64.17	14.01	1.31	-51.47	-13.00	38.47
1RB, 5MHz,QPSK, Frequency: 1914.3 MHz								
800.72	H	51.78	-46.73	0.00	0.36	-47.09	-13.00	34.09
800.93	V	52.28	-43.19	0.00	0.36	-43.55	-13.00	30.55
3828.60	H	60.51	-56.72	13.54	1.51	-44.69	-13.00	31.69
3828.60	V	59.61	-57.45	13.54	1.51	-45.42	-13.00	32.42
5742.90	H	49.79	-64.30	13.99	1.30	-51.61	-13.00	38.61
5742.90	V	49.17	-64.90	13.99	1.30	-52.21	-13.00	39.21

LTE Band 26(30MHz-1GHz):814-824MHz

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)			
1RB, 1.4MHz,QPSK, Frequency: 814.7 MHz								
800.99	H	48.69	-49.81	0.00	0.36	-50.17	-13.00	37.17
801.57	V	48.83	-46.62	0.00	0.36	-46.98	-13.00	33.98
1629.40	H	58.21	-67.22	10.31	0.70	-57.61	-13.00	44.61
1629.40	V	55.60	-70.43	10.31	0.70	-60.82	-13.00	47.82
2444.10	H	58.84	-63.83	12.65	1.27	-52.45	-13.00	39.45
2444.10	V	56.87	-65.91	12.65	1.27	-54.53	-13.00	41.53
3258.80	H	49.16	-69.91	13.60	1.58	-57.89	-13.00	44.89
3258.80	V	50.86	-68.24	13.60	1.58	-56.22	-13.00	43.22
1RB, 1.4MHz,QPSK, Frequency:823.3 MHz								
801.16	H	49.31	-49.19	0.00	0.36	-49.55	-13.00	36.55
801.54	V	49.07	-46.38	0.00	0.36	-46.74	-13.00	33.74
1646.60	H	58.39	-66.77	10.43	0.71	-57.05	-13.00	44.05
1646.60	V	54.00	-71.76	10.43	0.71	-62.04	-13.00	49.04
2469.90	H	56.44	-66.33	12.86	1.26	-54.73	-13.00	41.73
2469.90	V	57.70	-65.13	12.86	1.26	-53.53	-13.00	40.53
3293.20	H	49.56	-69.80	13.60	1.59	-57.79	-13.00	44.79
3293.20	V	50.49	-68.88	13.60	1.59	-56.87	-13.00	43.87
1RB, 1.4MHz,QPSK, Frequency:824 MHz								
800.37	H	49.64	-48.88	0.00	0.36	-49.24	-13.00	36.24
801.28	V	49.49	-45.97	0.00	0.36	-46.33	-13.00	33.33
1648.00	H	58.48	-66.66	10.44	0.71	-56.93	-13.00	43.93
1648.00	V	55.93	-69.81	10.44	0.71	-60.08	-13.00	47.08
2472.00	H	55.23	-67.54	12.88	1.25	-55.91	-13.00	42.91
2472.00	V	54.14	-68.69	12.88	1.25	-57.06	-13.00	44.06
3296.00	H	49.96	-69.43	13.60	1.59	-57.42	-13.00	44.42
3296.00	V	49.71	-69.68	13.60	1.59	-57.67	-13.00	44.67

LTE Band 26(30MHz-1GHz):824-849MHz

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)			
1RB, 1.4MHz,QPSK, Frequency: 824.7 MHz								
800.60	H	48.88	-49.63	0.00	0.36	-49.99	-13.00	36.99
801.32	V	49.05	-46.41	0.00	0.36	-46.77	-13.00	33.77
1649.40	H	58.33	-66.78	10.45	0.71	-57.04	-13.00	44.04
1649.40	V	56.40	-69.31	10.45	0.71	-59.57	-13.00	46.57
2474.10	H	56.87	-65.91	12.89	1.25	-54.27	-13.00	41.27
2474.10	V	55.43	-67.40	12.89	1.25	-55.76	-13.00	42.76
3298.80	H	49.23	-70.18	13.60	1.59	-58.17	-13.00	45.17
3298.80	V	50.10	-69.31	13.60	1.59	-57.30	-13.00	44.30
1RB, 1.4MHz,QPSK, Frequency:836.5 MHz								
801.20	H	49.39	-49.10	0.00	0.36	-49.46	-13.00	36.46
801.03	V	49.18	-46.29	0.00	0.36	-46.65	-13.00	33.65
1673.00	H	58.38	-66.37	10.61	0.73	-56.49	-13.00	43.49
1673.00	V	55.26	-70.09	10.61	0.73	-60.21	-13.00	47.21
2509.50	H	56.40	-66.48	13.11	1.25	-54.62	-13.00	41.62
2509.50	V	55.22	-67.68	13.11	1.25	-55.82	-13.00	42.82
3346.00	H	50.76	-68.45	13.83	1.61	-56.23	-13.00	43.23
3346.00	V	49.30	-69.96	13.83	1.61	-57.74	-13.00	44.74
1RB, 1.4MHz,QPSK, Frequency:848.3 MHz								
800.42	H	49.72	-48.80	0.00	0.36	-49.16	-13.00	36.16
801.55	V	49.52	-45.93	0.00	0.36	-46.29	-13.00	33.29
1696.60	H	58.55	-65.83	10.78	0.75	-55.80	-13.00	42.80
1696.60	V	54.41	-70.57	10.78	0.75	-60.54	-13.00	47.54
2544.90	H	56.57	-66.30	13.14	1.27	-54.43	-13.00	41.43
2544.90	V	53.69	-69.32	13.14	1.27	-57.45	-13.00	44.45
3393.20	H	50.41	-68.59	14.07	1.64	-56.16	-13.00	43.16
3393.20	V	49.63	-69.46	14.07	1.64	-57.03	-13.00	44.03

LTE Band 38(30MHz-1GHz):

EYE Band 50(5MHz 1GHz).

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)			
1RB, 5MHz, QPSK, Frequency: 2572.5 MHz								
801.86	H	49.54	-48.94	0.00	0.36	-49.30	-25.00	24.30
799.72	V	49.34	-46.17	0.00	0.36	-46.53	-25.00	21.53
5145.00	H	63.52	-52.96	13.95	1.40	-40.41	-25.00	15.41
5145.00	V	59.49	-56.93	13.95	1.40	-44.38	-25.00	19.38
7717.50	H	52.16	-57.57	13.38	1.48	-45.67	-25.00	20.67
7717.50	V	49.76	-60.28	13.38	1.48	-48.38	-25.00	23.38
1RB, 5MHz, QPSK, Frequency: 2595 MHz								
801.29	H	49.76	-48.73	0.00	0.36	-49.09	-25.00	24.09
800.16	V	49.57	-45.92	0.00	0.36	-46.28	-25.00	21.28
5190.00	H	65.68	-50.70	13.99	1.51	-38.22	-25.00	13.22
5190.00	V	60.28	-56.16	13.99	1.51	-43.68	-25.00	18.68
7785.00	H	56.64	-53.29	13.32	1.53	-41.50	-25.00	16.50
7785.00	V	52.59	-57.59	13.32	1.53	-45.80	-25.00	20.80
1RB, 5MHz, QPSK, Frequency: 2617.5 MHz								
800.82	H	50.11	-48.40	0.00	0.36	-48.76	-25.00	23.76
800.27	V	49.78	-45.71	0.00	0.36	-46.07	-25.00	21.07
5235.00	H	65.13	-51.46	14.11	1.40	-38.75	-25.00	13.75
5235.00	V	60.78	-55.89	14.11	1.40	-43.18	-25.00	18.18
7852.50	H	53.34	-56.78	13.25	1.58	-45.11	-25.00	20.11
7852.50	V	51.12	-59.20	13.25	1.58	-47.53	-25.00	22.53

LTE Band 41(30MHz-1GHz):

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)			
1RB, 5MHz,QPSK, Frequency: 2537.5 MHz								
800.64	H	50.60	-47.91	0.00	0.36	-48.27	-25.00	23.27
800.41	V	50.23	-45.26	0.00	0.36	-45.62	-25.00	20.62
4997.00	H	60.76	-56.91	14.00	1.44	-44.35	-25.00	19.35
4997.00	V	62.51	-54.90	14.00	1.44	-42.34	-25.00	17.34
7495.50	H	51.46	-57.66	13.20	1.32	-45.78	-25.00	20.78
7495.50	V	50.78	-58.83	13.20	1.32	-46.95	-25.00	21.95
1RB, 5MHz,QPSK, Frequency:2595 MHz								
800.84	H	50.83	-47.68	0.00	0.36	-48.04	-25.00	23.04
800.23	V	50.46	-45.03	0.00	0.36	-45.39	-25.00	20.39
5186.00	H	58.61	-57.78	13.99	1.50	-45.29	-25.00	20.29
5186.00	V	61.18	-55.26	13.99	1.50	-42.77	-25.00	17.77
7779.00	H	52.81	-57.10	13.32	1.53	-45.31	-25.00	20.31
7779.00	V	51.11	-59.06	13.32	1.53	-47.27	-25.00	22.27
1RB, 5MHz,QPSK, Frequency: 2652.5 MHz								
801.17	H	51.20	-47.30	0.00	0.36	-47.66	-25.00	22.66
799.48	V	50.58	-44.93	0.00	0.36	-45.29	-25.00	20.29
5375.00	H	60.50	-54.13	14.15	1.38	-41.36	-25.00	16.36
5375.00	V	62.35	-52.27	14.15	1.38	-39.50	-25.00	14.50
8062.50	H	50.39	-59.92	13.34	1.72	-48.30	-25.00	23.30
8062.50	V	50.70	-59.68	13.34	1.72	-48.06	-25.00	23.06

LTE Band 66(30MHz-1GHz):

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)			
1RB, 1.4MHz,QPSK, Frequency: 1710.7 MHz								
801.79	H	49.90	-48.58	0.00	0.36	-48.94	-13.00	35.94
801.35	V	49.45	-46.01	0.00	0.36	-46.37	-13.00	33.37
3421.40	H	61.55	-57.36	14.04	1.63	-44.95	-13.00	31.95
3421.40	V	50.79	-68.19	14.04	1.63	-55.78	-13.00	42.78
5132.10	H	56.77	-59.74	13.93	1.37	-47.18	-13.00	34.18
5132.10	V	53.15	-63.27	13.93	1.37	-50.71	-13.00	37.71
1RB, 1.4MHz,QPSK, Frequency:1745 MHz								
800.83	H	50.03	-48.48	0.00	0.36	-48.84	-13.00	35.84
799.45	V	49.66	-45.85	0.00	0.36	-46.21	-13.00	33.21
3490.00	H	61.13	-57.57	13.83	1.61	-45.35	-13.00	32.35
3490.00	V	59.87	-58.84	13.83	1.61	-46.62	-13.00	33.62
5235.00	H	56.37	-60.22	14.11	1.40	-47.51	-13.00	34.51
5235.00	V	54.10	-62.57	14.11	1.40	-49.86	-13.00	36.86
1RB, 1.4MHz,QPSK, Frequency: 1779.3 MHz								
801.05	H	50.28	-48.22	0.00	0.36	-48.58	-13.00	35.58
799.80	V	49.71	-45.79	0.00	0.36	-46.15	-13.00	33.15
3558.60	H	60.50	-58.41	13.98	1.55	-45.98	-13.00	32.98
3558.60	V	58.84	-60.07	13.98	1.55	-47.64	-13.00	34.64
5337.90	H	58.56	-57.25	14.22	1.26	-44.29	-13.00	31.29
5337.90	V	55.25	-60.59	14.22	1.26	-47.63	-13.00	34.63

LTE Band 71(30MHz-1GHz):

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)			
1RB, 5MHz,QPSK, Frequency: 665.5 MHz								
801.48	H	47.43	-51.06	0.00	0.36	-51.42	-13.00	38.42
799.55	V	47.85	-47.66	0.00	0.36	-48.02	-13.00	35.02
1331.00	H	60.87	-63.63	8.52	1.19	-56.30	-13.00	43.30
1331.00	V	62.40	-62.91	8.52	1.19	-55.58	-13.00	42.58
1996.50	H	51.13	-74.32	11.99	1.13	-63.46	-13.00	50.46
1996.50	V	50.66	-75.18	11.99	1.13	-64.32	-13.00	51.32
2662.00	H	50.43	-71.99	13.14	1.27	-60.12	-13.00	47.12
2662.00	V	49.15	-73.45	13.14	1.27	-61.58	-13.00	48.58
1RB, 5MHz,QPSK, Frequency:680.5 MHz								
800.96	H	47.75	-50.75	0.00	0.36	-51.11	-13.00	38.11
800.75	V	48.10	-47.38	0.00	0.36	-47.74	-13.00	34.74
1361.00	H	59.85	-64.52	8.73	1.20	-56.99	-13.00	43.99
1361.00	V	61.92	-63.17	8.73	1.20	-55.64	-13.00	42.64
2041.50	H	52.26	-72.41	11.75	1.12	-61.78	-13.00	48.78
2041.50	V	50.78	-74.12	11.75	1.12	-63.49	-13.00	50.49
2722.00	H	50.45	-71.68	13.10	1.27	-59.85	-13.00	46.85
2722.00	V	49.53	-72.72	13.10	1.27	-60.89	-13.00	47.89
1RB, 5MHz,QPSK, Frequency: 695.5 MHz								
800.92	H	49.08	-49.42	0.00	0.36	-49.78	-13.00	36.78
799.68	V	48.28	-47.23	0.00	0.36	-47.59	-13.00	34.59
1391.00	H	59.17	-65.07	8.94	1.20	-57.33	-13.00	44.33
1391.00	V	60.74	-64.12	8.94	1.20	-56.38	-13.00	43.38
2086.50	H	55.40	-68.34	11.48	1.10	-57.96	-13.00	44.96
2086.50	V	52.36	-71.43	11.48	1.10	-61.05	-13.00	48.05
2782.00	H	49.60	-72.51	13.10	1.34	-60.75	-13.00	47.75
2782.00	V	49.72	-72.57	13.10	1.34	-60.81	-13.00	47.81

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

APPENDIX A - EUT PHOTOGRAPHS

Please refer to the attachment KS1240221-08647E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and KS1240221-08647E-RF-INP EUT INTERNAL PHOTOGRAPHS

APPENDIX B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment KS1240221-08647E-RF-00H-TSP TEST SETUP PHOTOGRAPHS.

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