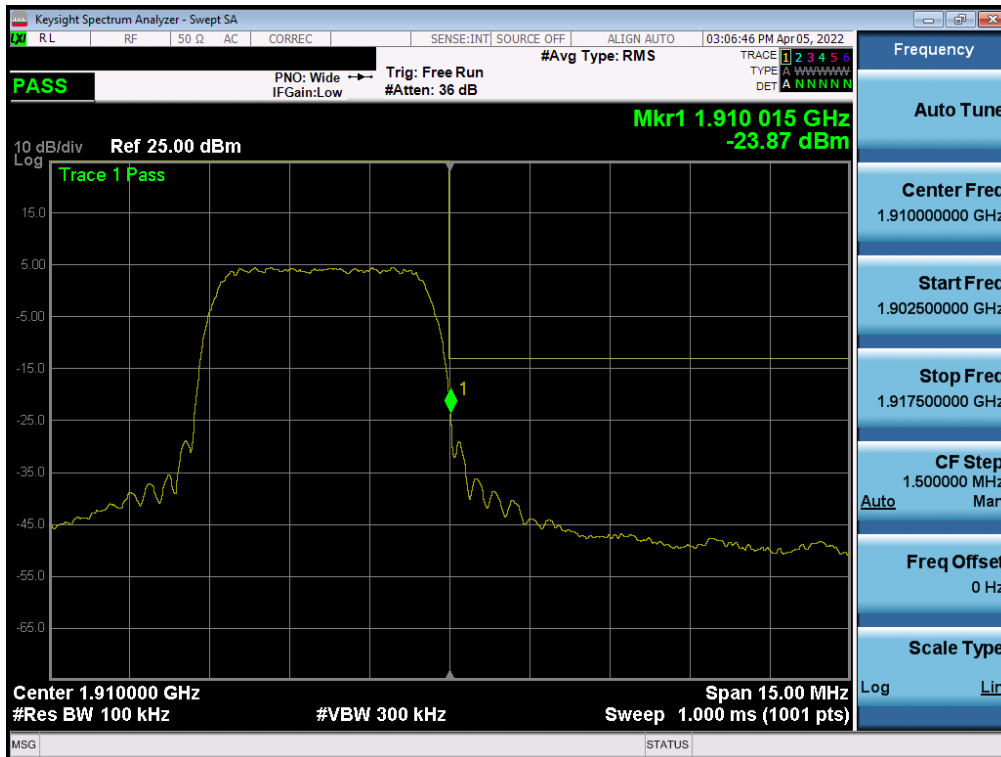
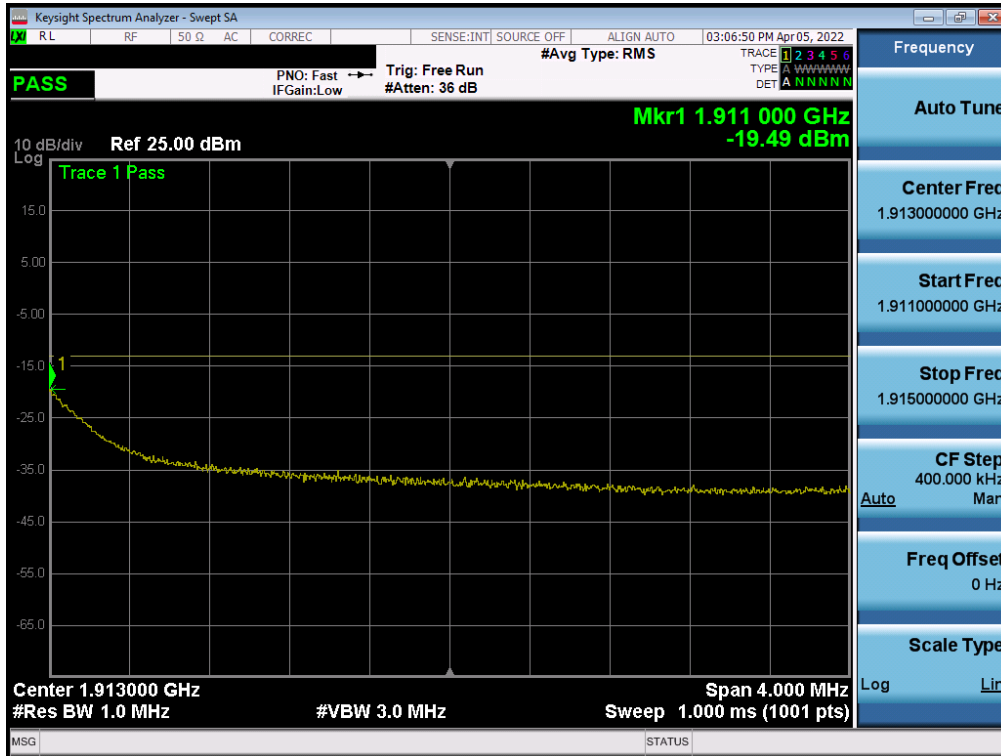


Plot 7-119. Extended Lower Band Edge Plot (WCDMA PCS – Ch. 9262)



Plot 7-120. Upper Band Edge Plot (WCDMA PCS – Ch. 9538)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 79 of 123



Plot 7-121. Extended Upper Band Edge Plot (WCDMA PCS – Ch. 9538)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 80 of 123

7.6 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 5.7.1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW \geq OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

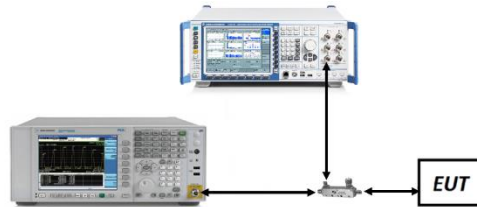


Figure 7-5. Test Instrument & Measurement Setup

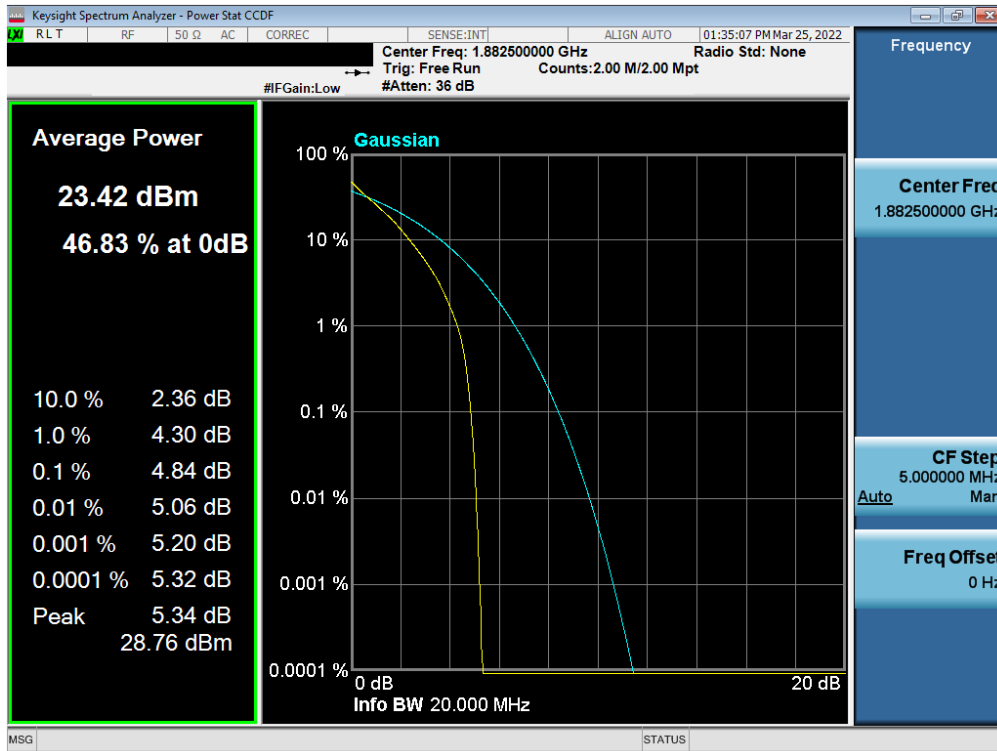
Test Notes

None.

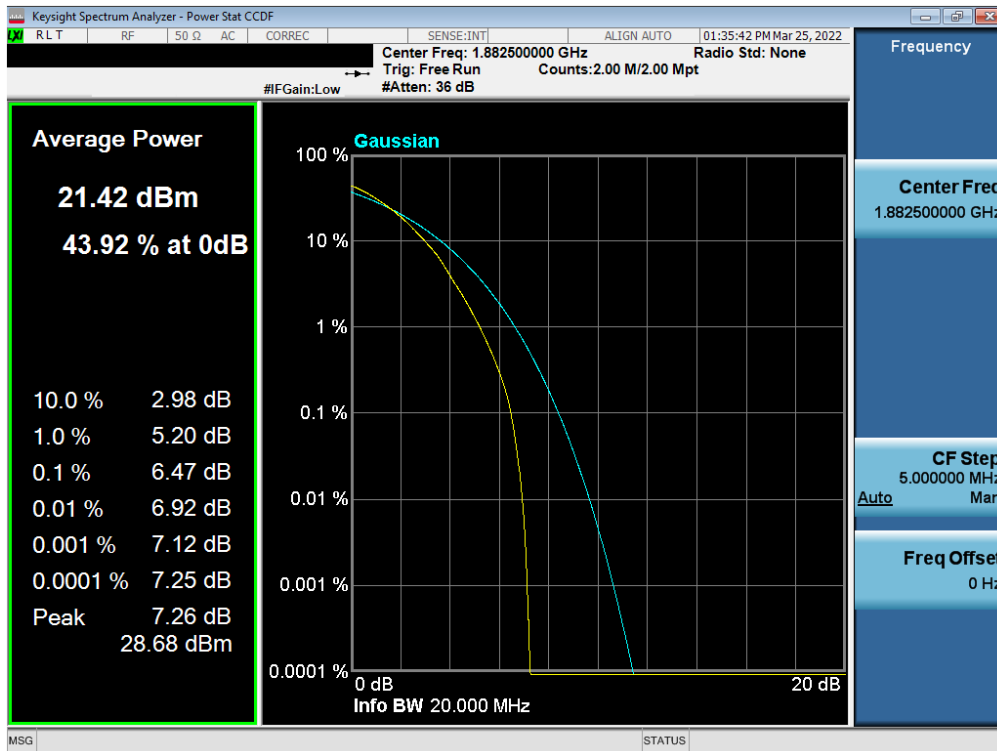
FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 81 of 123

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LTE Band 25/2

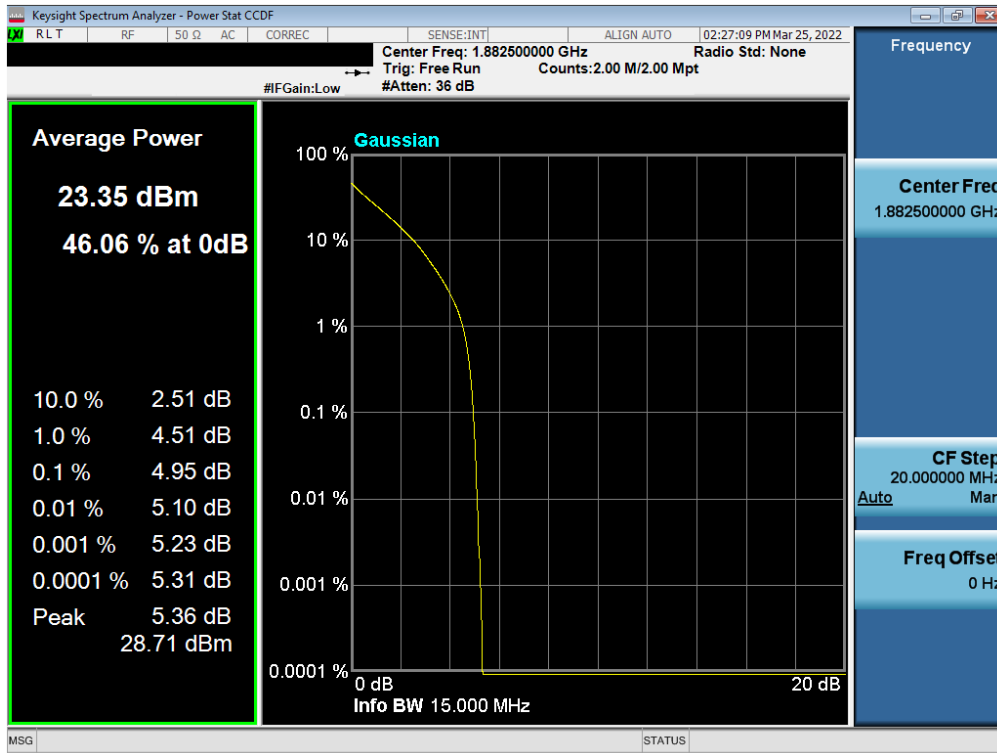


Plot 7-122. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB)

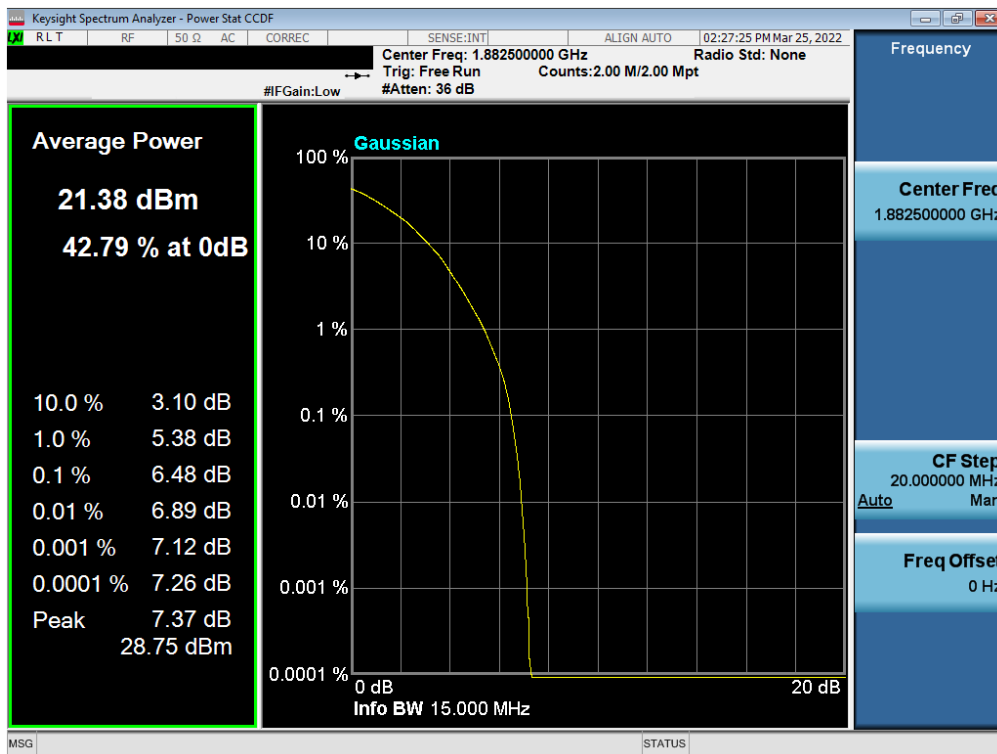


Plot 7-123. PAR Plot (LTE Band 25/2 - 20MHz 64-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 82 of 123

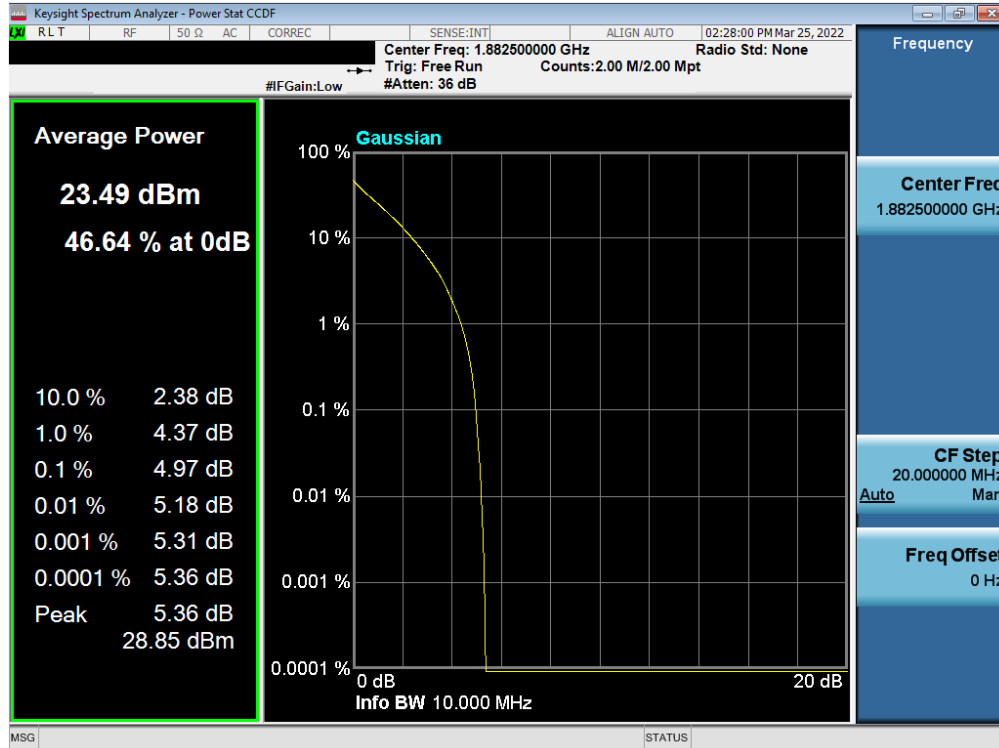


Plot 7-124. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB)

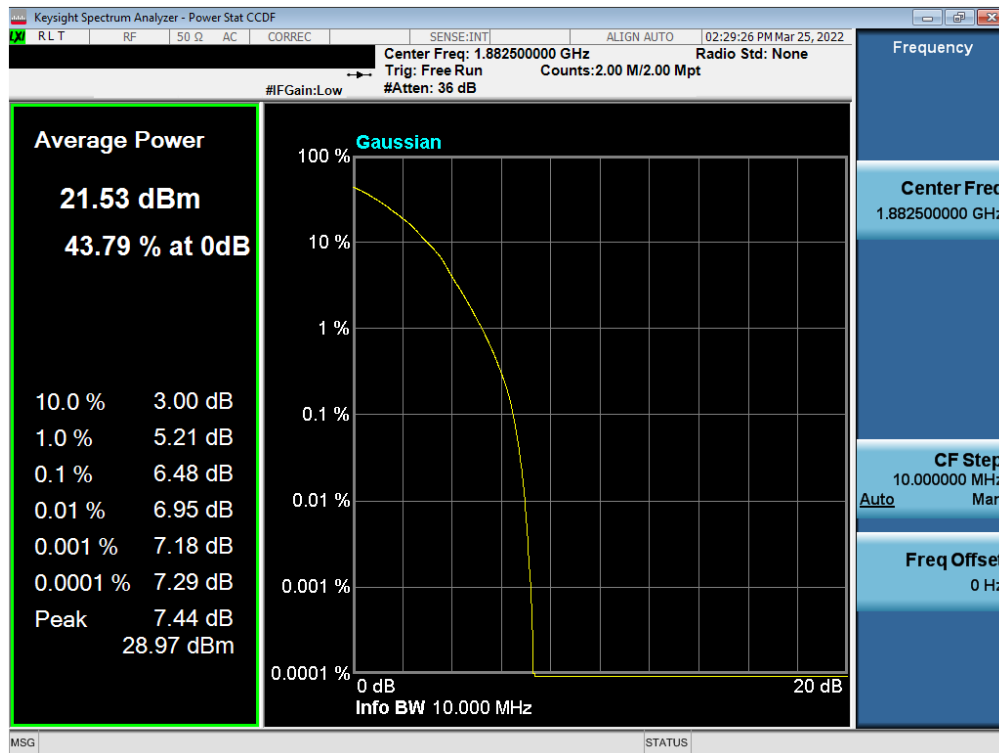


Plot 7-125. PAR Plot (LTE Band 25/2 - 15MHz 64-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 83 of 123

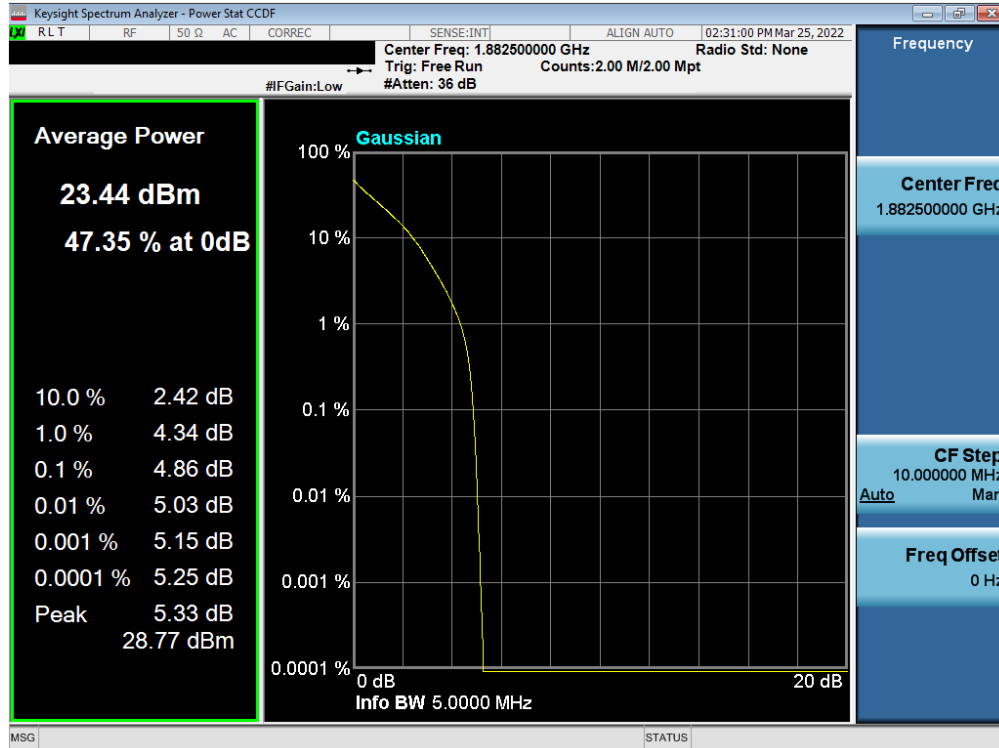


Plot 7-126. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB)

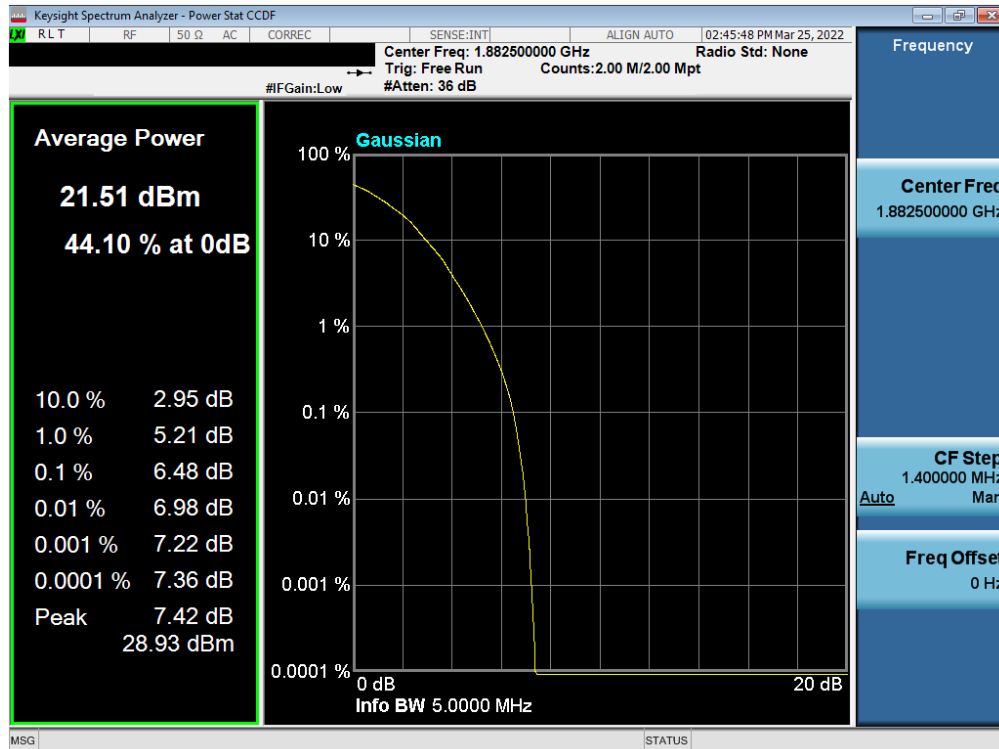


Plot 7-127. PAR Plot (LTE Band 25/2 - 10MHz 64-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 84 of 123

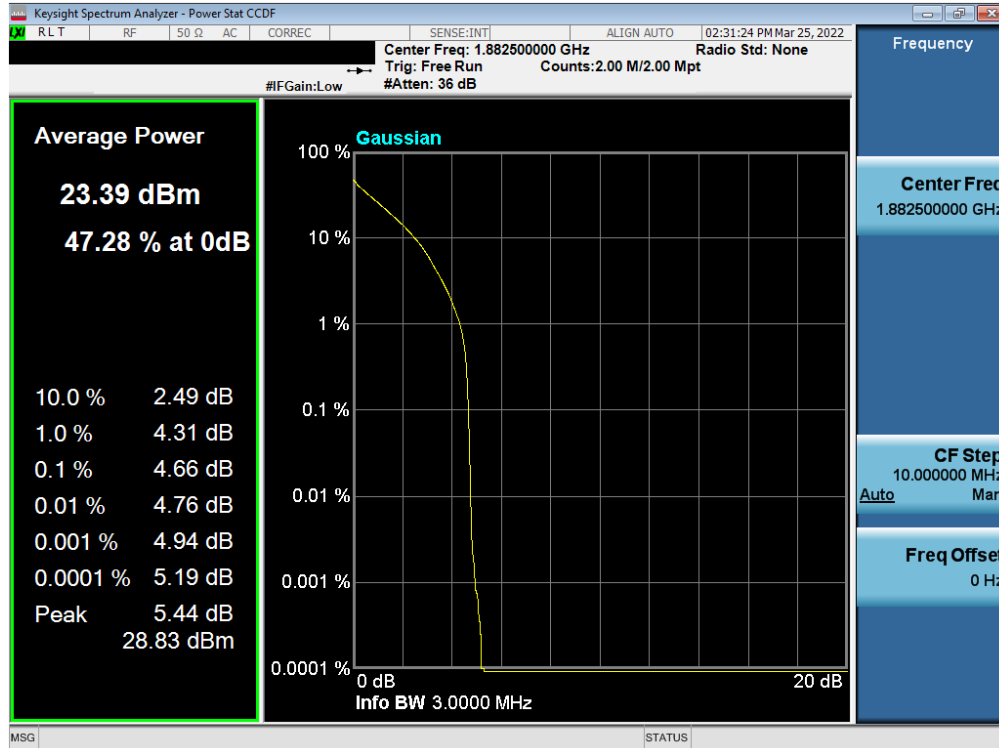


Plot 7-128. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB)

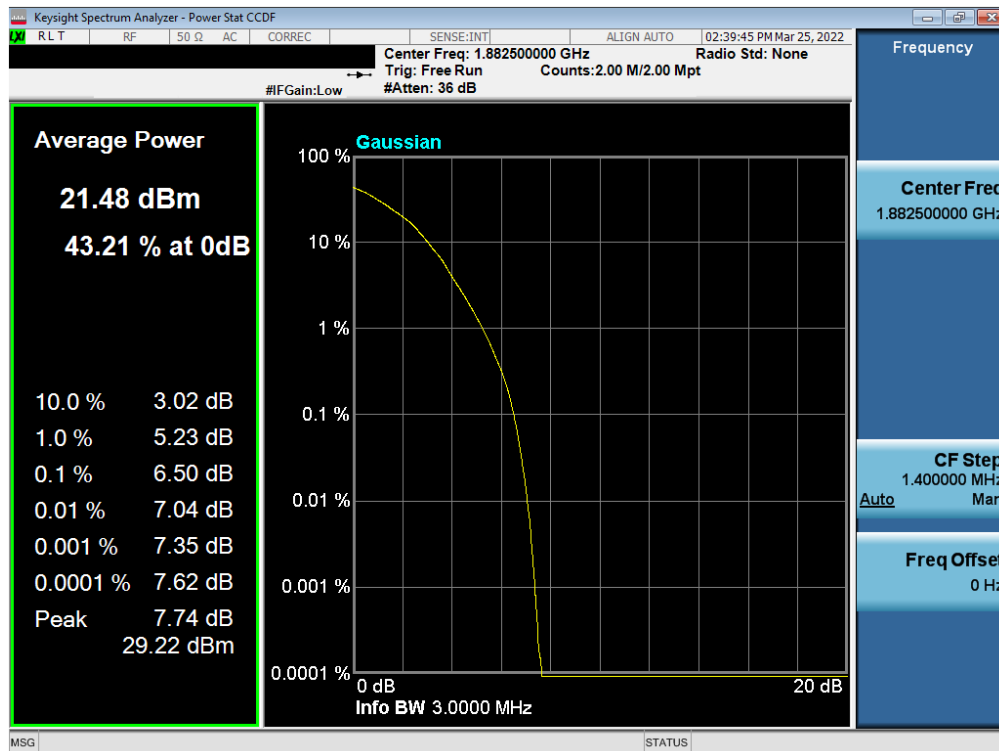


Plot 7-129. PAR Plot (LTE Band 25/2 - 5MHz 64-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 85 of 123

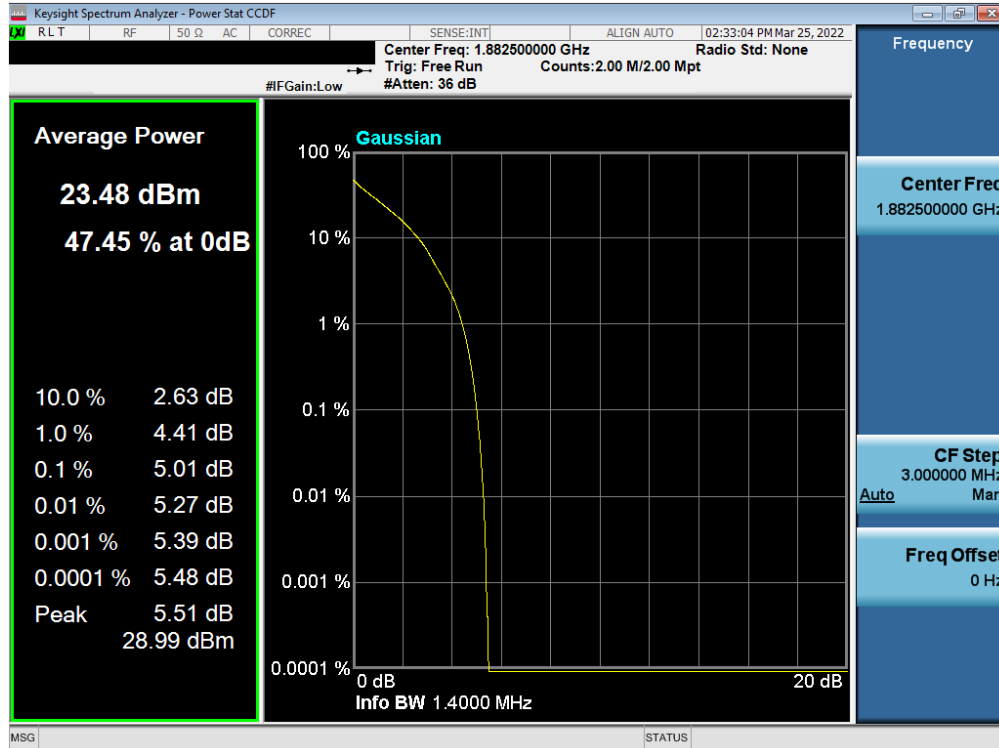


Plot 7-130. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB)

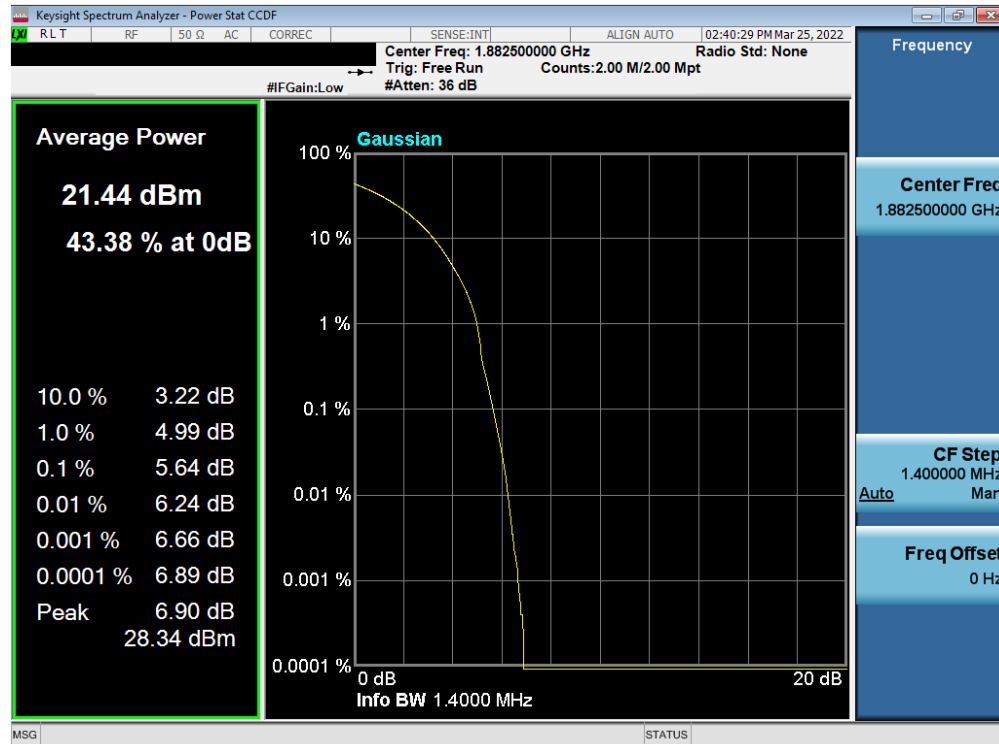


Plot 7-131. PAR Plot (LTE Band 25/2 - 3MHz 64-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 86 of 123



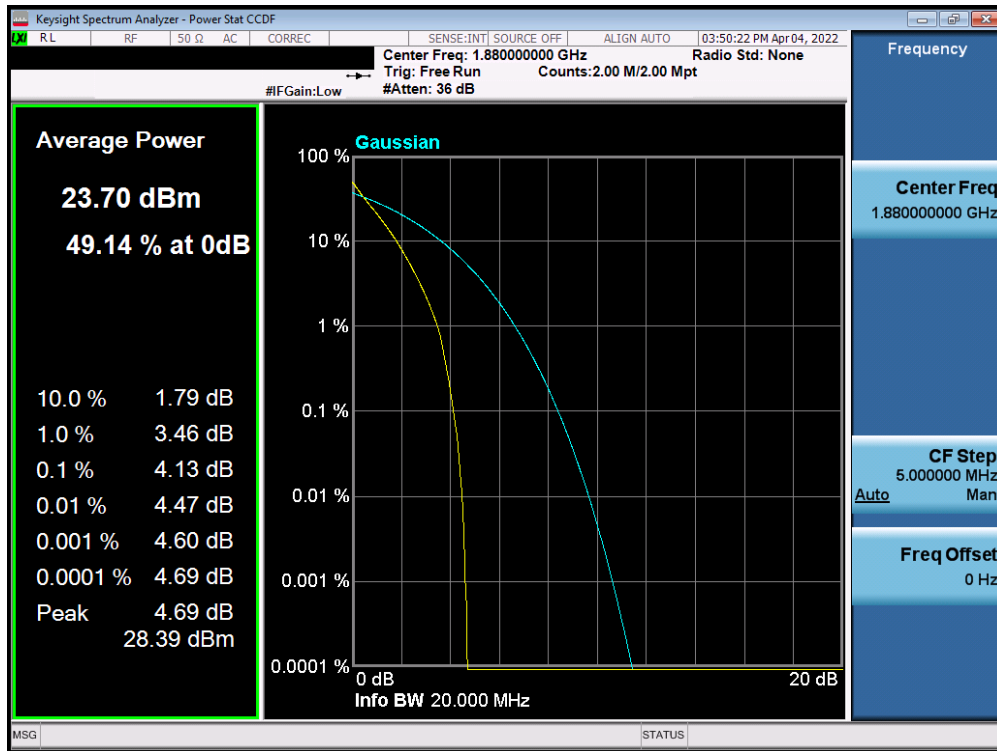
Plot 7-132. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB)



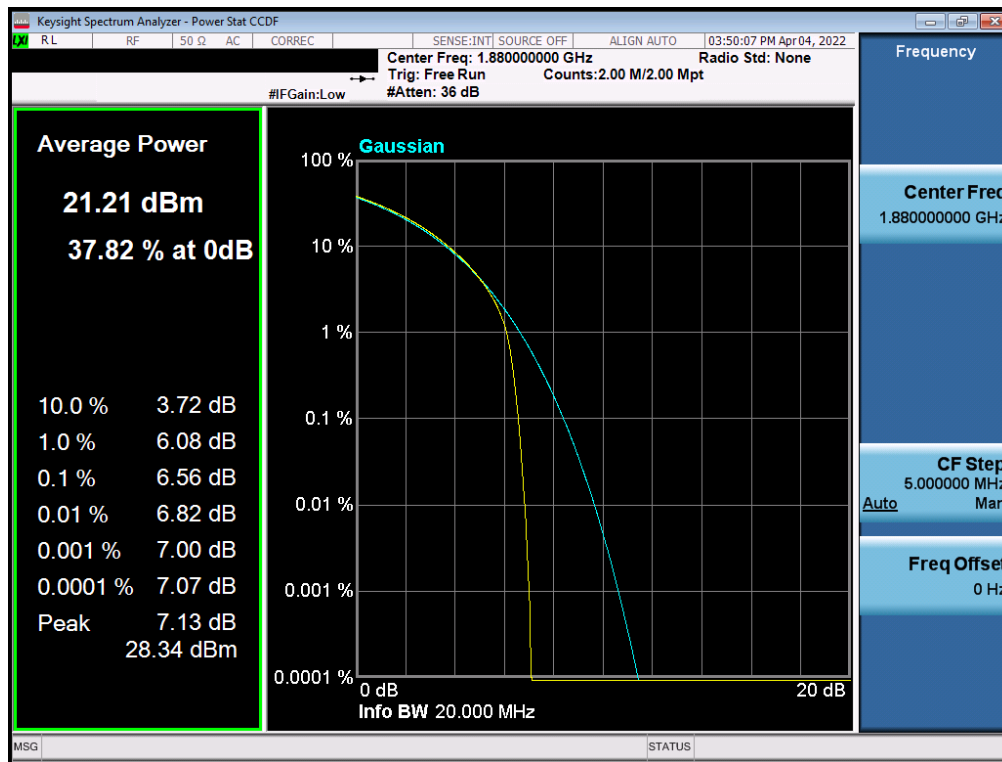
Plot 7-133. PAR Plot (LTE Band 25/2 - 1.4MHz 64-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 87 of 123

NR Band n2

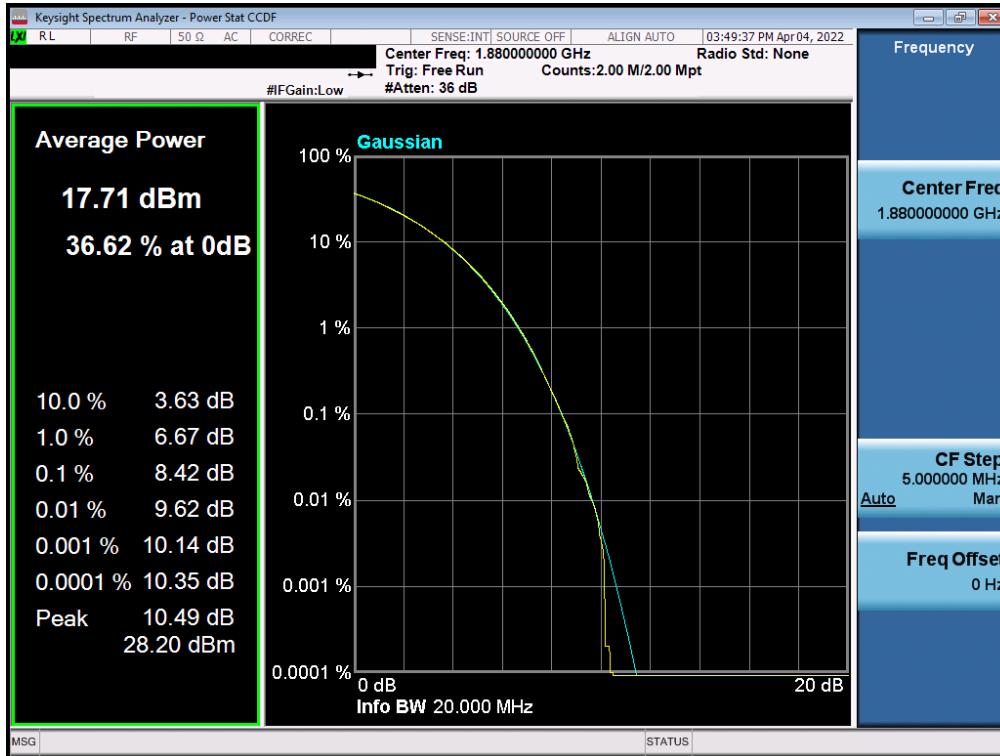


Plot 7-134. PAR Plot (NR Band n2 - 20.0MHz DFT-s-OFDM BPSK - Full RB)

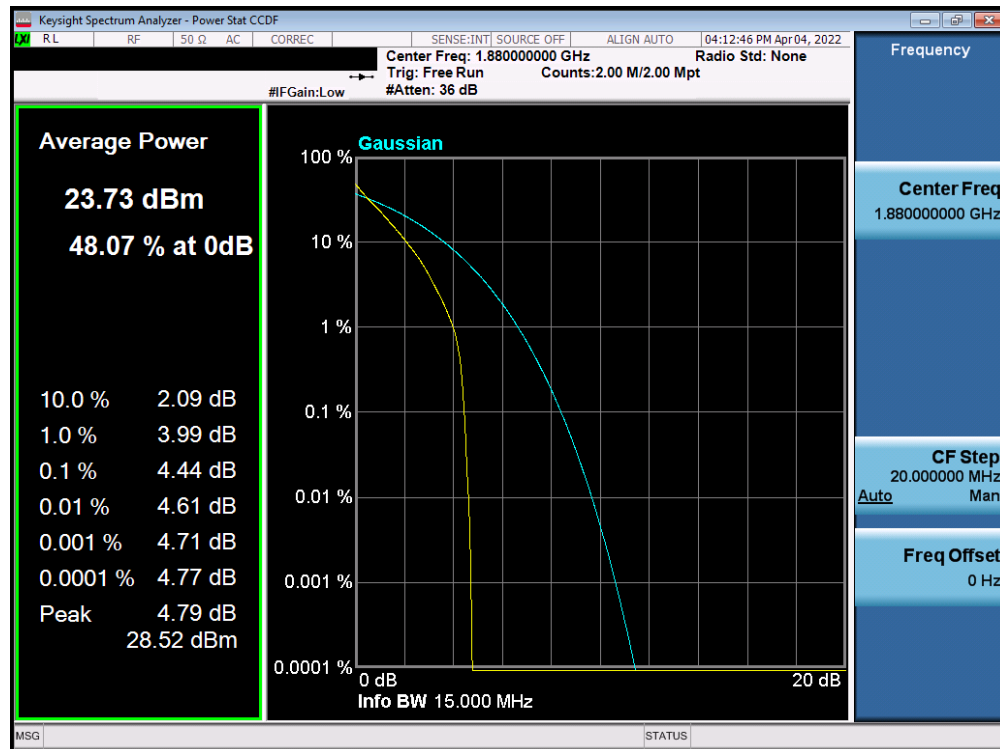


Plot 7-135. PAR Plot (NR Band n2 - 20.0MHz CP-OFDM QPSK - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M220120003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 88 of 123

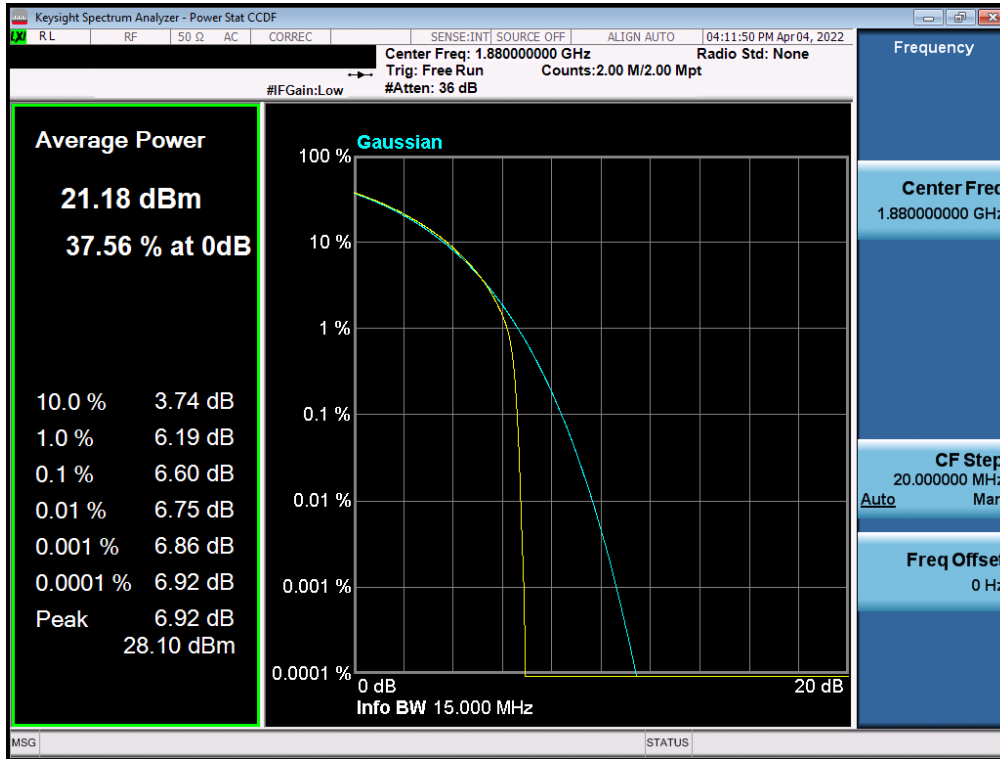


Plot 7-136. PAR Plot (NR Band n2 - 20.0MHz CP-OFDM 256-QAM - Full RB)

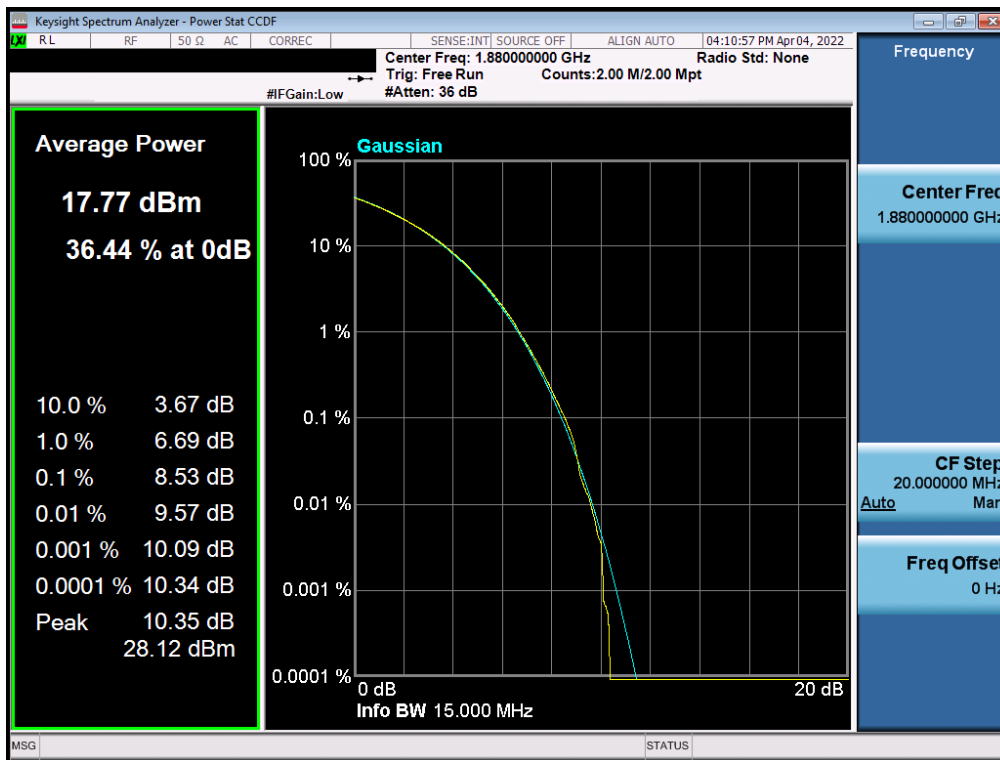


Plot 7-137. PAR Plot (NR Band n2 - 15.0MHz DFT-s-OFDM BPSK - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 89 of 123

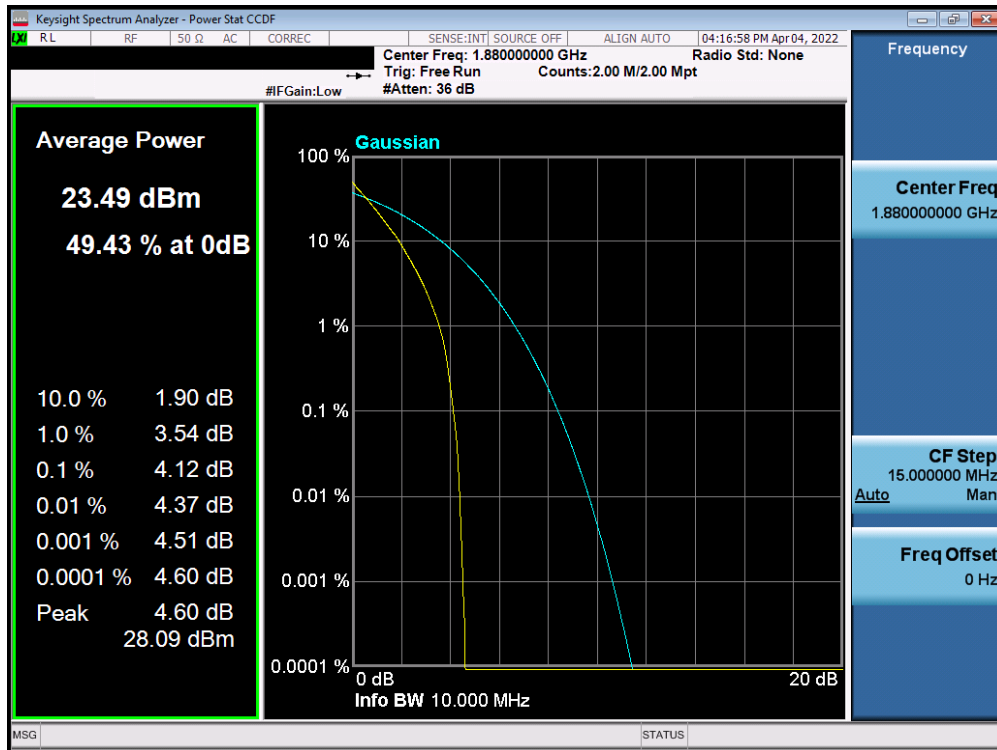


Plot 7-138. PAR Plot (NR Band n2 - 15.0MHz CP-OFDM QPSK - Full RB)

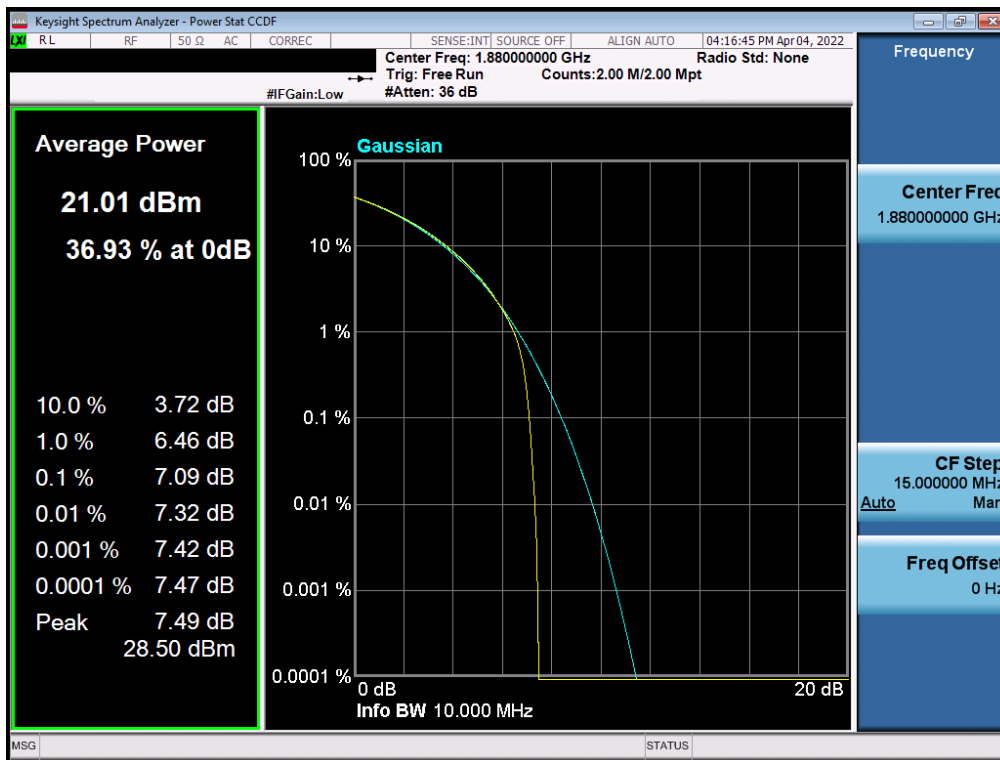


Plot 7-139. PAR Plot (NR Band n2 - 15.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 90 of 123

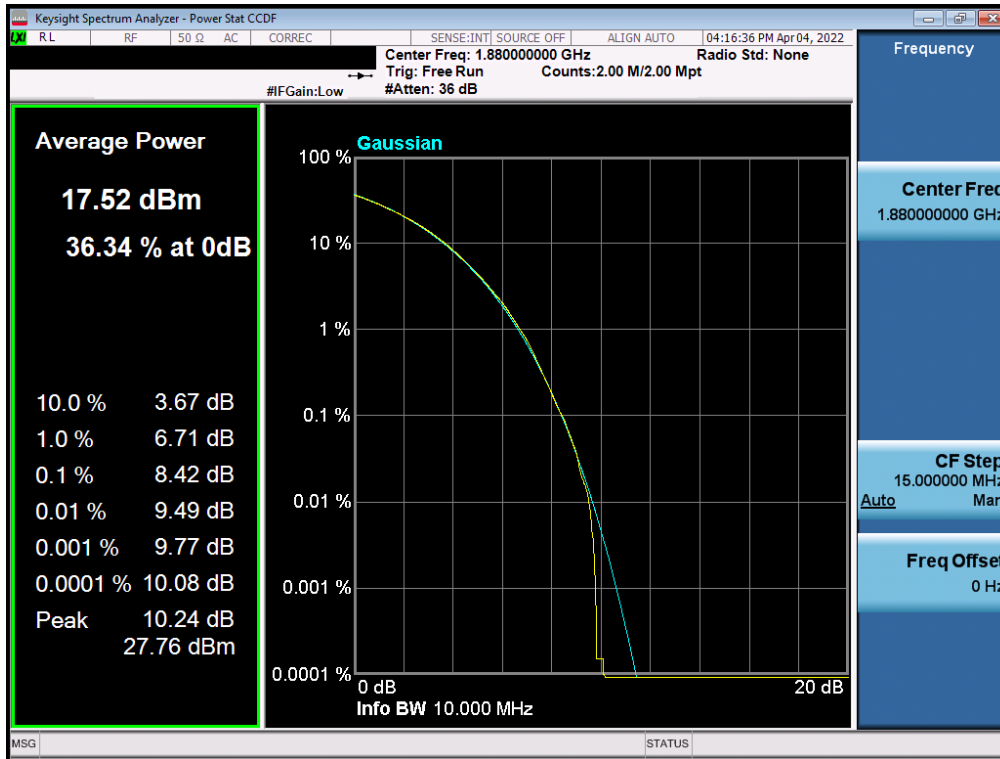


Plot 7-140. PAR Plot (NR Band n2 - 10.0MHz DFT-s-OFDM BPSK - Full RB)

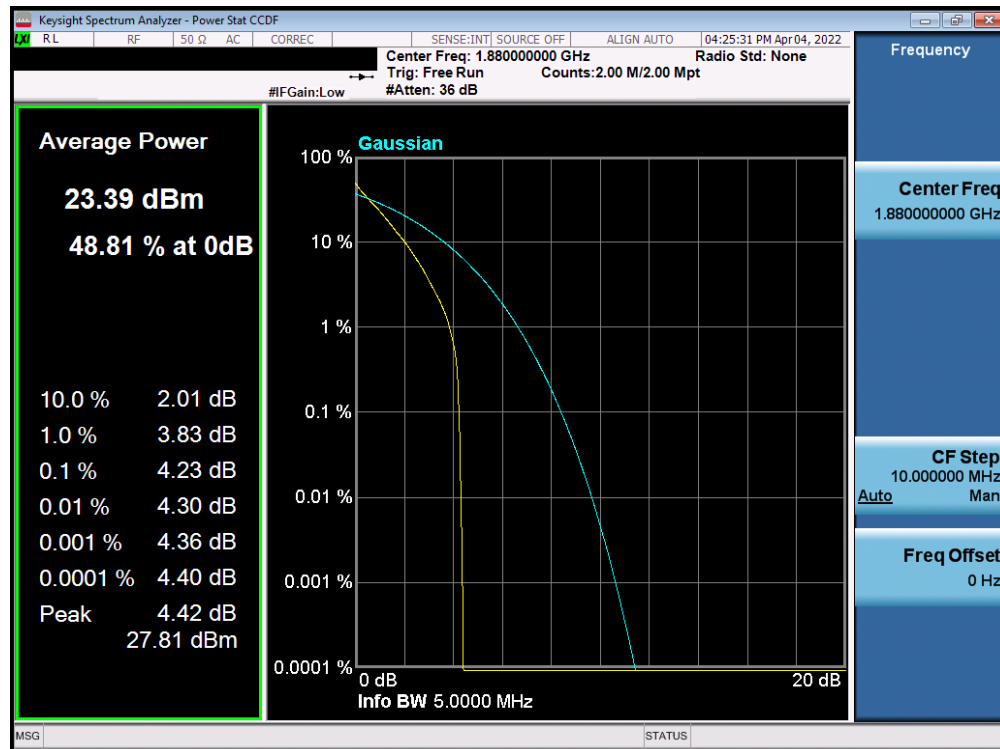


Plot 7-141. PAR Plot (NR Band n2 - 10.0MHz CP-OFDM QPSK - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 91 of 123

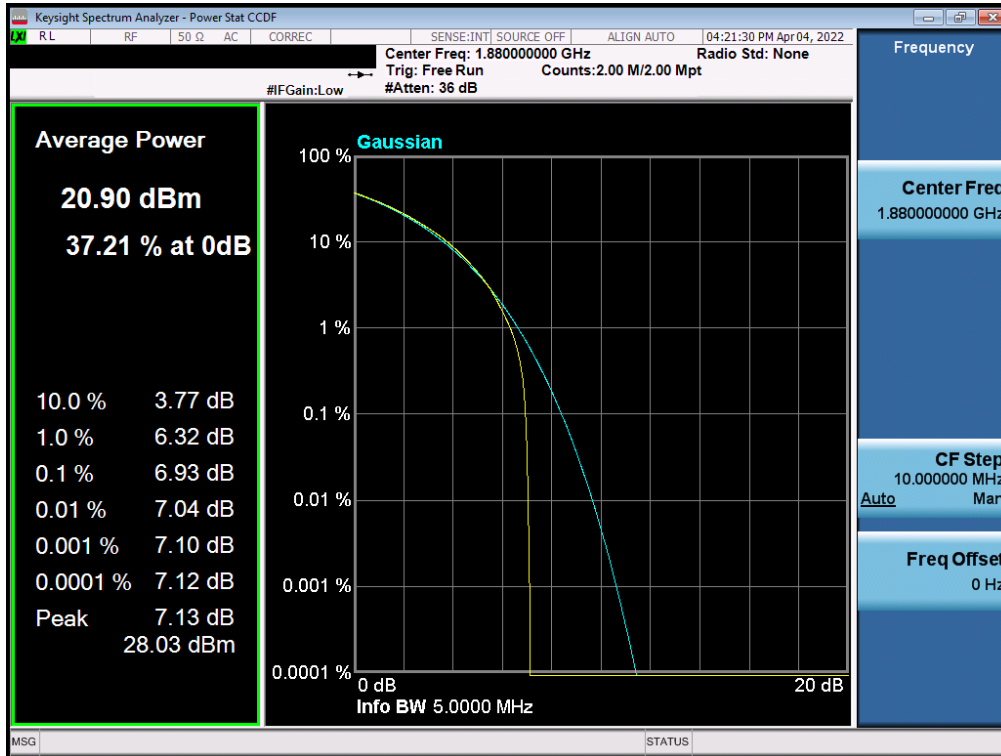


Plot 7-142. PAR Plot (NR Band n2 - 10.0MHz CP-OFDM 256-QAM - Full RB)

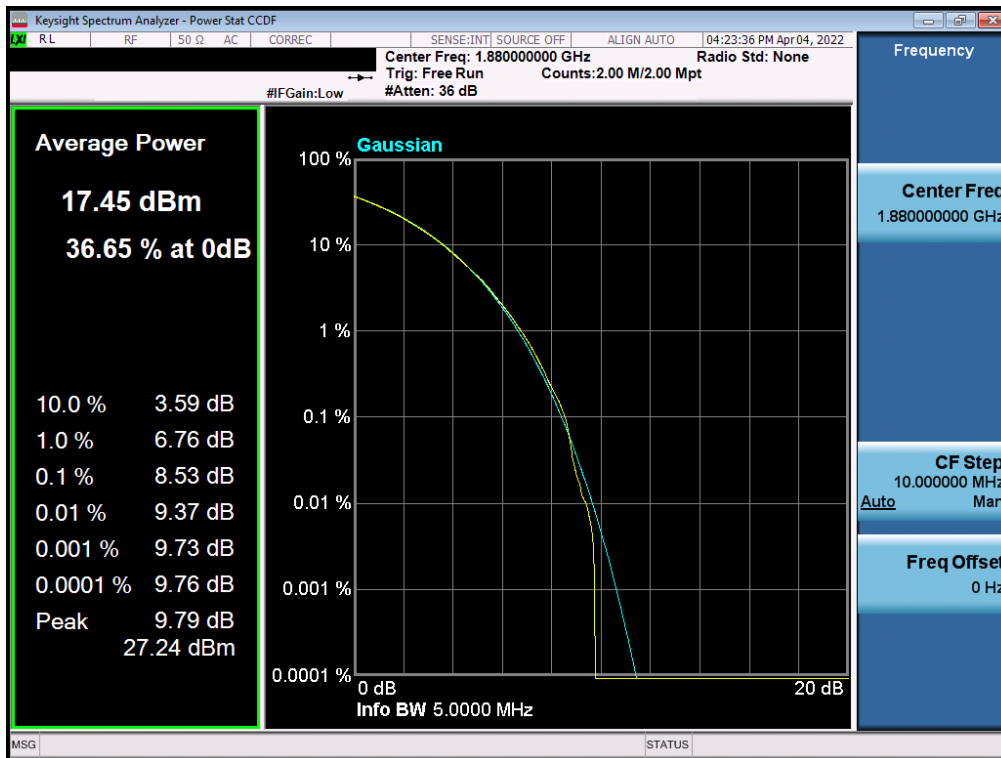


Plot 7-143. PAR Plot (NR Band n2 - 5.0MHz DFT-s-OFDM BPSK - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 92 of 123



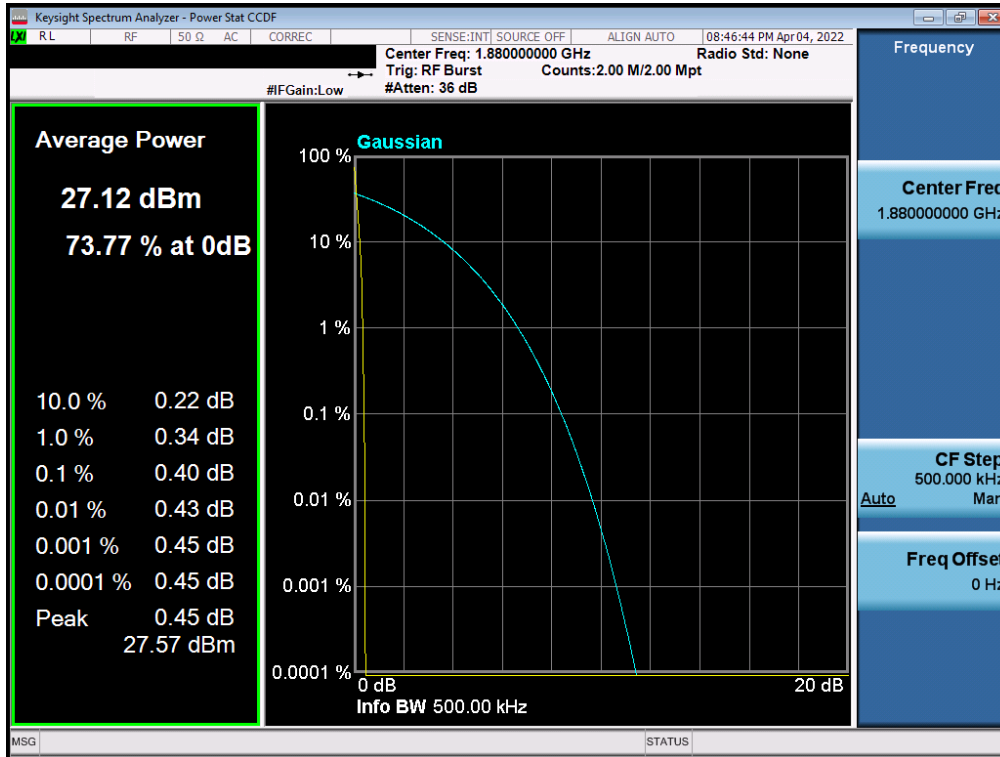
Plot 7-144. PAR Plot (NR Band n2 - 5.0MHz CP-OFDM QPSK - Full RB)



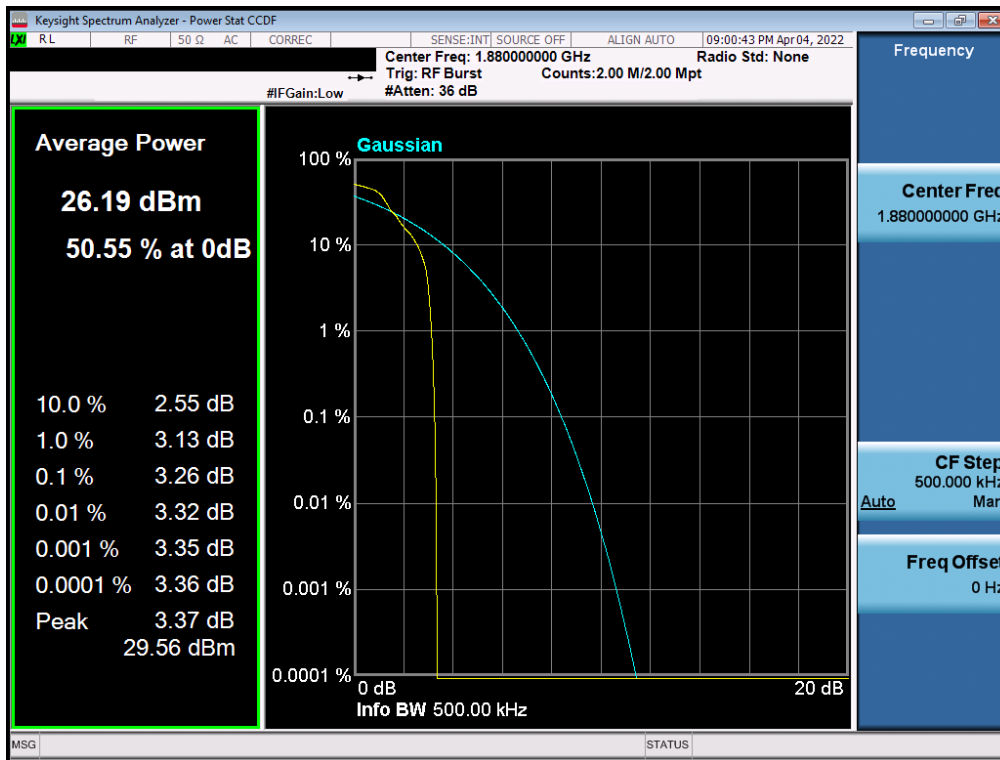
Plot 7-145. PAR Plot (NR Band n2 - 5.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 93 of 123

GSM/GPRS PCS



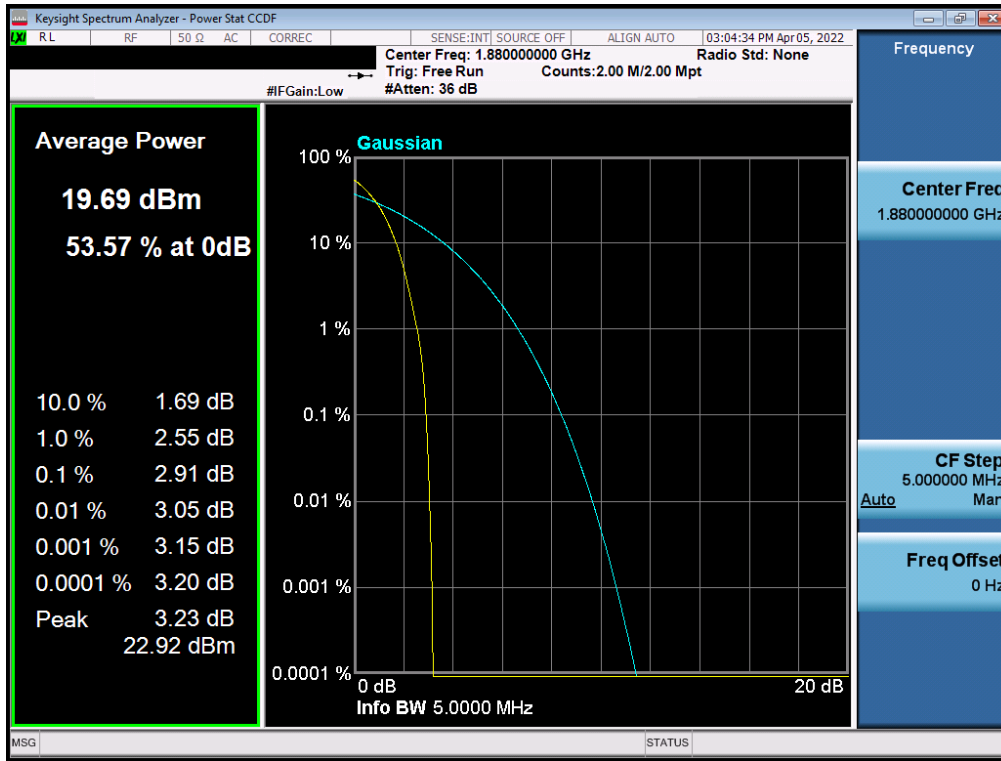
Plot 7-146. PAR Plot (GPRS, Ch. 661)



Plot 7-147. PAR Plot (EDGE, Ch. 661)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA PCS



Plot 7-148. PAR Plot (WCDMA, Ch. 9400)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7 Radiated Power (ERP/EIRP)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI/TIA-603-E-2016 – Section 2.2.17

Test Settings

1. Radiated power measurements are performed using the signal analyzer’s “channel power” measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer’s “time domain power” measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW \geq 3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points \geq 2 x span / RBW
6. Detector = RMS
7. Trigger is set to “free run” for signals with continuous operation with the sweep times set to “auto”. Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the “gating” function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

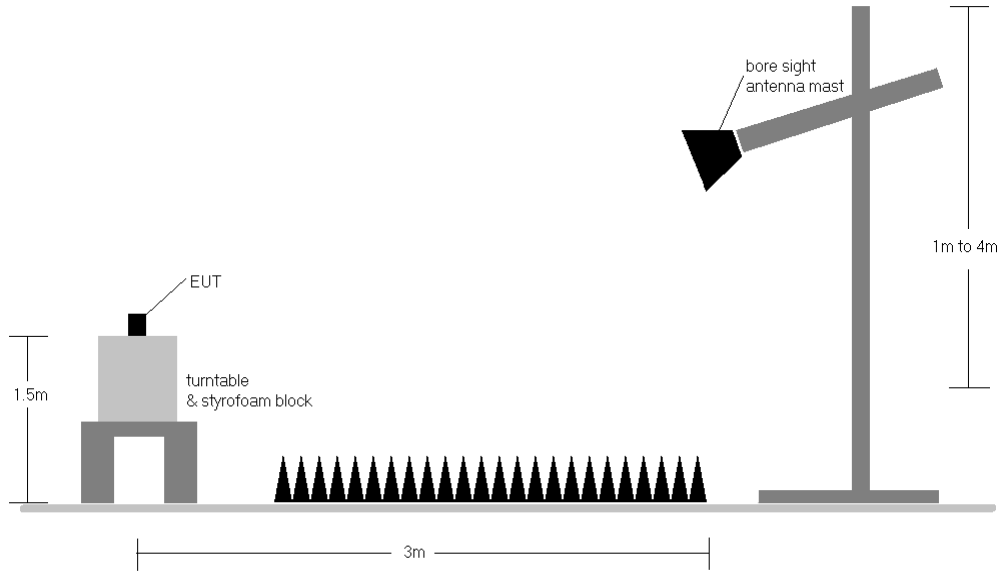


Figure 7-6. Radiated Test Setup >1GHz

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Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers is reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 3) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 4) This unit was tested with its standard battery.
- 5) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1860.0	H	153	68	9.55	1 / 99	9.88	19.43	0.088	33.01	-13.58
	QPSK	1882.5	H	149	62	9.83	1 / 50	11.18	21.01	0.126	33.01	-12.00
	QPSK	1905.0	H	192	61	10.16	1 / 50	10.03	20.19	0.104	33.01	-12.82
	16-QAM	1882.5	H	149	62	9.83	1 / 50	10.23	20.06	0.101	33.01	-12.95
15 MHz	QPSK	1857.5	H	153	68	9.51	1 / 74	10.51	20.02	0.100	33.01	-12.99
	QPSK	1882.5	H	149	62	9.83	1 / 37	11.74	21.57	0.144	33.01	-11.44
	QPSK	1907.5	H	192	61	10.21	1 / 37	10.77	20.98	0.125	33.01	-12.03
	16-QAM	1882.5	H	149	62	9.83	1 / 37	10.00	19.83	0.096	33.01	-13.18
10 MHz	QPSK	1855.0	H	153	68	9.48	1 / 49	10.65	20.13	0.103	33.01	-12.88
	QPSK	1882.5	H	149	62	9.83	1 / 49	11.87	21.71	0.148	33.01	-11.30
	QPSK	1910.0	H	192	61	10.25	1 / 0	10.83	21.08	0.128	33.01	-11.93
	16-QAM	1882.5	H	149	62	9.83	1 / 49	10.13	19.97	0.099	33.01	-13.05
5 MHz	QPSK	1852.5	H	153	68	9.44	1 / 0	10.78	20.22	0.105	33.01	-12.79
	QPSK	1882.5	H	149	62	9.83	1 / 12	12.02	21.85	0.153	33.01	-11.16
	QPSK	1912.5	H	192	61	10.28	1 / 0	10.82	21.10	0.129	33.01	-11.91
	16-QAM	1882.5	H	149	62	9.83	1 / 12	10.21	20.04	0.101	33.01	-12.97
3 MHz	QPSK	1851.5	H	153	68	9.43	1 / 0	10.79	20.22	0.105	33.01	-12.79
	QPSK	1882.5	H	149	62	9.83	1 / 14	12.03	21.86	0.154	33.01	-11.15
	QPSK	1913.5	H	192	61	10.29	1 / 14	10.83	21.11	0.129	33.01	-11.90
	16-QAM	1882.5	H	149	62	9.83	1 / 14	10.25	20.09	0.102	33.01	-12.92
1.4 MHz	QPSK	1850.7	H	153	68	9.42	1 / 3	10.88	20.30	0.107	33.01	-12.71
	QPSK	1882.5	H	149	62	9.83	1 / 0	12.00	21.83	0.152	33.01	-11.18
	QPSK	1914.3	H	192	61	10.30	1 / 5	10.69	20.98	0.125	33.01	-12.03
	16-QAM	1882.5	H	149	62	9.83	1 / 0	10.22	20.06	0.101	33.01	-12.96
20 MHz	Opposite Pol.	1882.5	V	140	43	9.99	1/50	10.46	20.45	0.111	33.01	-12.56
	WCP	1882.5	H	149	62	9.83	1/99	9.79	19.62	0.092	33.01	-13.39

Table 7-3. EIRP Data (LTE Band 25/2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	1860.0	H	158	10	9.55	1 / 79	11.52	21.07	0.128	33.01	-11.94
	$\pi/2$ BPSK	1880.0	H	154	11	9.79	1 / 53	12.33	22.12	0.163	33.01	-10.89
	$\pi/2$ BPSK	1900.0	H	147	7	10.07	1 / 53	10.96	21.03	0.127	33.01	-11.98
	QPSK	1860.0	H	158	10	9.55	1 / 79	11.87	21.42	0.139	33.01	-11.59
	QPSK	1880.0	H	154	11	9.79	1 / 26	12.01	21.80	0.152	33.01	-11.21
	QPSK	1900.0	H	147	7	10.07	1 / 53	11.17	21.24	0.133	33.01	-11.77
	16-QAM	1880.0	H	154	11	9.79	1 / 53	10.26	20.05	0.101	33.01	-12.96
15 MHz	$\pi/2$ BPSK	1857.5	H	158	10	9.51	1 / 39	11.46	20.97	0.125	33.01	-12.04
	$\pi/2$ BPSK	1880.0	H	154	11	9.79	1 / 20	12.41	22.21	0.166	33.01	-10.80
	$\pi/2$ BPSK	1902.5	H	147	7	10.11	1 / 20	10.97	21.08	0.128	33.01	-11.93
	QPSK	1857.5	H	158	10	9.51	1 / 39	11.86	21.37	0.137	33.01	-11.64
	QPSK	1880.0	H	154	11	9.79	1 / 20	12.05	21.84	0.153	33.01	-11.17
	QPSK	1902.5	H	147	7	10.11	1 / 20	11.16	21.27	0.134	33.01	-11.74
	16-QAM	1880.0	H	154	11	9.79	1 / 20	9.98	19.78	0.095	33.01	-13.24
10 MHz	$\pi/2$ BPSK	1855.0	H	158	10	9.48	1 / 13	11.34	20.82	0.121	33.01	-12.19
	$\pi/2$ BPSK	1880.0	H	154	11	9.79	1 / 13	12.15	21.95	0.157	33.01	-11.06
	$\pi/2$ BPSK	1905.0	H	147	7	10.16	1 / 38	10.81	20.97	0.125	33.01	-12.04
	QPSK	1855.0	H	158	10	9.48	1 / 13	11.84	21.31	0.135	33.01	-11.70
	QPSK	1880.0	H	154	11	9.79	1 / 13	11.77	21.56	0.143	33.01	-11.45
	QPSK	1905.0	H	147	7	10.16	1 / 38	11.02	21.18	0.131	33.01	-11.83
	16-QAM	1880.0	H	154	11	9.79	1 / 13	10.25	20.05	0.101	33.01	-12.96
5 MHz	$\pi/2$ BPSK	1852.5	H	158	10	9.44	1 / 6	11.45	20.89	0.123	33.01	-12.12
	$\pi/2$ BPSK	1880.0	H	154	11	9.79	1 / 6	12.12	21.92	0.155	33.01	-11.09
	$\pi/2$ BPSK	1907.5	H	147	7	10.21	1 / 6	10.91	21.12	0.129	33.01	-11.89
	QPSK	1852.5	H	158	10	9.44	1 / 6	11.96	21.40	0.138	33.01	-11.61
	QPSK	1880.0	H	154	11	9.79	1 / 6	11.71	21.51	0.141	33.01	-11.50
	QPSK	1907.5	H	147	7	10.21	1 / 6	10.93	21.14	0.130	33.01	-11.87
20 MHz	16-QAM	1880.0	H	154	11	9.79	1 / 6	10.15	19.94	0.099	33.01	-13.07
	QPSK (CP-OFDM)	1880.0	H	154	11	9.79	1/53	11.55	21.34	0.136	33.01	-11.67
	QPSK (Opposite Pol.)	1880.0	V	133	144	9.96	1/53	11.49	21.45	0.140	33.01	-11.56
	QPSK (WCP)	1880.0	H	191	62	9.79	1/53	10.45	20.24	0.106	33.01	-12.77

Table 7-4. EIRP Data (NR Band n2)

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Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	H	142	117	16.29	9.41	25.70	0.372	33.01	-7.31
1880.00	GPRS1900	H	136	109	15.96	9.79	25.75	0.376	33.01	-7.26
1909.80	GPRS1900	H	148	115	14.54	10.25	24.79	0.301	33.01	-8.22
1880.00	GPRS1900	V	290	61	15.38	9.96	25.34	0.342	33.01	-7.67
1880.00	EDGE1900	H	136	109	10.75	9.79	20.54	0.113	33.01	-12.47
1880.00	GPRS1900 (WCP)	H	136	109	15.31	9.79	25.10	0.324	33.01	-7.91

Table 7-5. EIRP Data (GPRS PCS)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	H	167	55	8.70	9.44	18.14	0.065	33.01	-14.87
1880.00	WCDMA1900	H	152	55	11.03	9.79	20.82	0.121	33.01	-12.19
1907.60	WCDMA1900	H	191	63	8.08	10.21	18.29	0.067	33.01	-14.72
1880.00	WCDMA1900	V	215	123	10.19	9.96	20.15	0.103	33.01	-12.86
1880.00	WCDMA1900 (WCP)	H	152	55	8.28	9.79	18.07	0.064	33.01	-14.94

Table 7-6. EIRP Data (WCDMA PCS)

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7.8 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW \geq 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points \geq 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

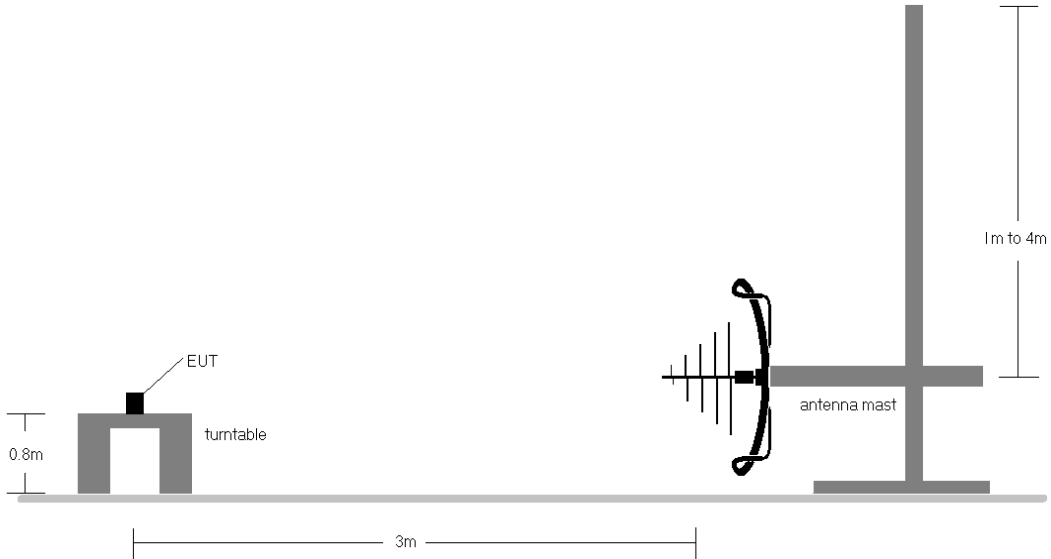


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

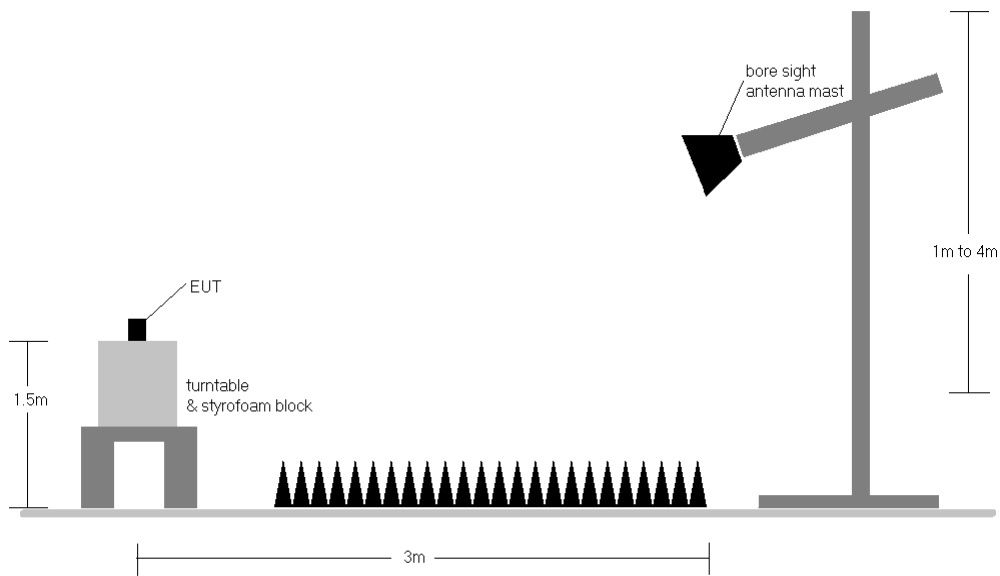


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

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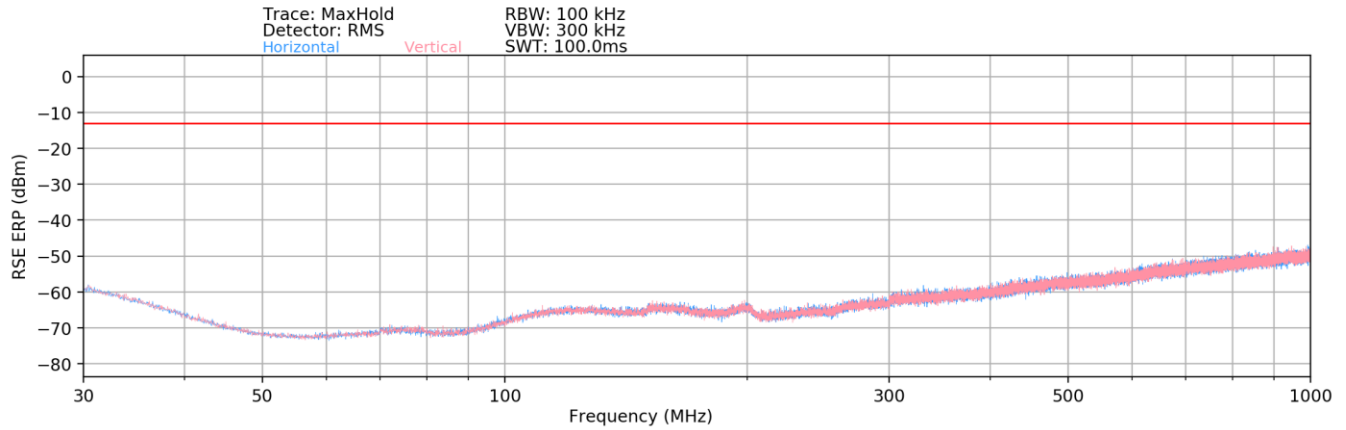
Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a) $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers is reported in GPRS mode while transmitting with one slot active.
- 3) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 4) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 5) This unit was tested with its standard battery.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 8) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
- 10) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emission caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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LTE Band 25/2



Plot 7-149. Radiated Spurious Plot 30MHz-1GHz (LTE Band 25/2)

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 50

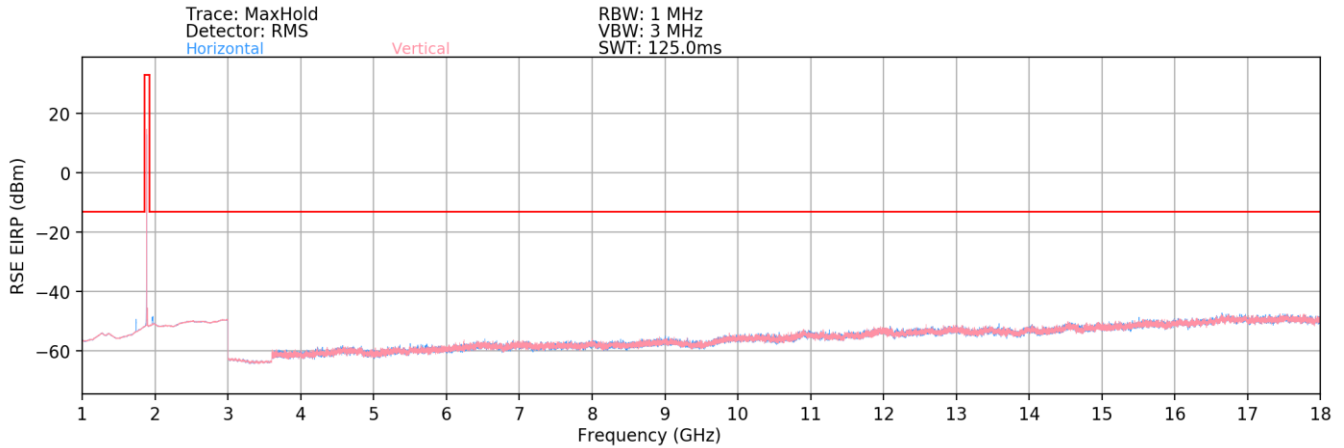
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turtable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
921.00	V	-	-	-88.78	31.45	49.67	-45.58	-13.00	-32.58

Table 7-7. Radiated Spurious Data 30MHz-1GHz (LTE Band 25/2)

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Plot 7-150. Radiated Spurious Plot (LTE Band 25/2)

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.00	V	186	200	-76.92	3.26	33.34	-61.92	-13.00	-48.92
5580.00	V	127	240	-70.31	5.13	41.82	-53.44	-13.00	-40.44
7440.00	V	-	-	-78.97	7.67	35.70	-59.55	-13.00	-46.55
9300.00	V	-	-	-79.40	9.44	37.04	-58.22	-13.00	-45.22
11160.00	V	-	-	-79.72	12.22	39.50	-55.76	-13.00	-42.76

Table 7-8. Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.00	V	142	178	-77.48	3.17	32.69	-62.57	-13.00	-49.57
5647.50	V	129	241	-73.88	5.45	38.57	-56.69	-13.00	-43.69
7530.00	V	-	-	-79.23	7.87	35.64	-59.62	-13.00	-46.62
9412.50	V	-	-	-80.10	10.16	37.06	-58.20	-13.00	-45.20
11295.00	V	-	-	-80.09	12.19	39.10	-56.15	-13.00	-43.15

Table 7-9. Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

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Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	V	127	183	-76.62	2.96	33.34	-61.91	-13.00	-48.91
5715.00	V	122	238	-74.21	5.45	38.24	-57.01	-13.00	-44.01
7620.00	V	-	-	-79.23	8.17	35.94	-59.32	-13.00	-46.32
9525.00	V	-	-	-80.09	9.93	36.84	-58.42	-13.00	-45.42
11430.00	V	-	-	-80.78	12.82	39.04	-56.22	-13.00	-43.22

Table 7-10. Radiated Spurious Data (LTE Band 25/2 – High Channel)

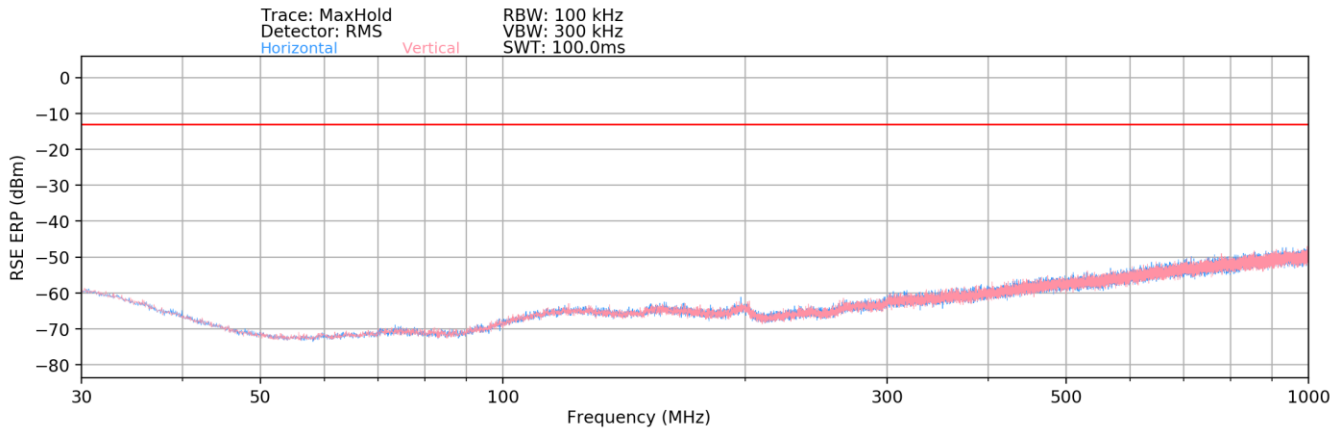
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NR Band n2 – Ant1



Plot 7-151. Radiated Spurious Plot 30MHz-1GHz (NR Band n2)

Bandwidth (MHz):	20
Frequency (MHz):	1880
RB / Offset:	1 / 53
Mode:	Stand Alone

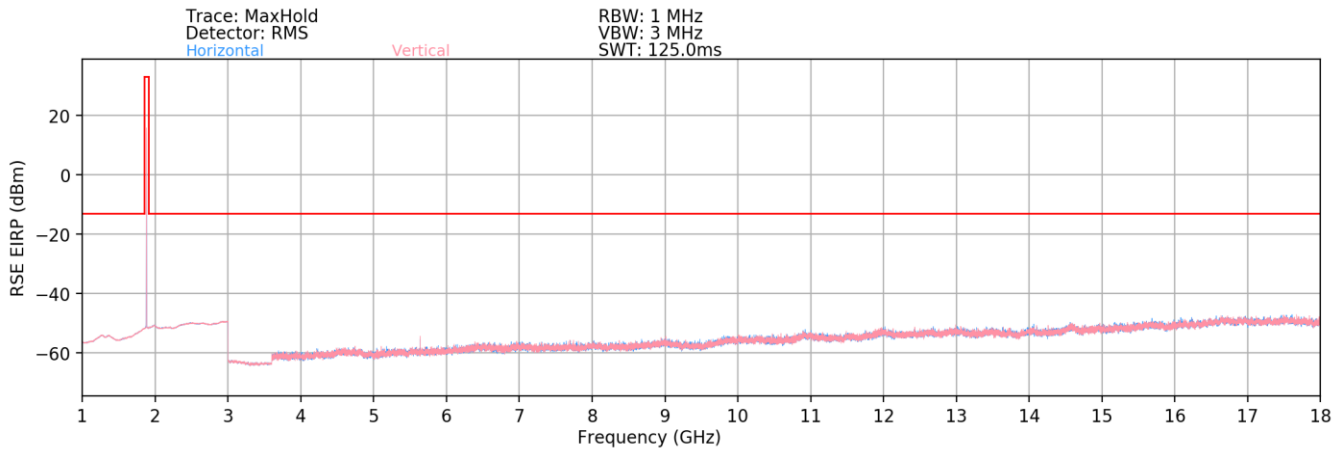
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
792.00	V	-	-	-89.18	29.93	47.75	-47.51	-13.00	-34.51

Table 7-11. Radiated Spurious Data 30MHz-1GHz (NR Band n2)

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Plot 7-152. Radiated Spurious Plot (NR Band n2)

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 53
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.00	V	178	294	-77.39	3.26	32.87	-62.39	-13.00	-49.39
5580.00	V	364	298	-72.79	5.13	39.34	-55.92	-13.00	-42.92
7440.00	V	-	-	-79.02	7.67	35.65	-59.60	-13.00	-46.60
9300.00	V	-	-	-79.47	9.44	36.97	-58.29	-13.00	-45.29
11160.00	V	-	-	-79.80	12.22	39.42	-55.84	-13.00	-42.84

Table 7-12. Radiated Spurious Data (NR Band n2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1880
RB / Offset:	1 / 53
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.00	V	135	287	-77.25	3.16	32.91	-62.34	-13.00	-49.34
5640.00	V	123	242	-73.03	5.52	39.49	-55.77	-13.00	-42.77
7520.00	V	-	-	-79.22	7.83	35.61	-59.65	-13.00	-46.65
9400.00	V	-	-	-80.34	10.22	36.88	-58.38	-13.00	-45.38
11280.00	V	-	-	-80.30	12.48	39.18	-56.08	-13.00	-43.08

Table 7-13. Radiated Spurious Data (NR Band n2 – Mid Channel)

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Bandwidth (MHz):	20
Frequency (MHz):	1900
RB / Offset:	1 / 53
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3800.00	V	363	186	-76.45	2.95	33.50	-61.75	-13.00	-48.75
5700.00	V	353	307	-74.25	5.48	38.23	-57.02	-13.00	-44.02
7600.00	V	123	235	-78.37	8.15	36.78	-58.47	-13.00	-45.47
9500.00	V	-	-	-80.50	10.37	36.87	-58.39	-13.00	-45.39
11400.00	V	-	-	-80.59	12.54	38.95	-56.31	-13.00	-43.31
13300.00	V	-	-	-80.11	13.92	40.81	-54.45	-13.00	-41.45

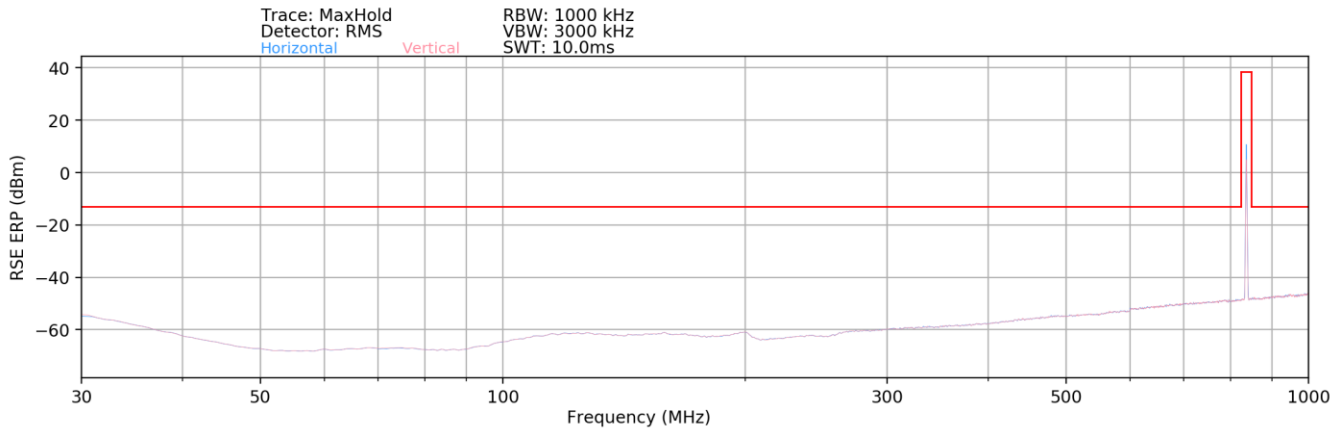
Table 7-14. Radiated Spurious Data (NR Band n2 – High Channel)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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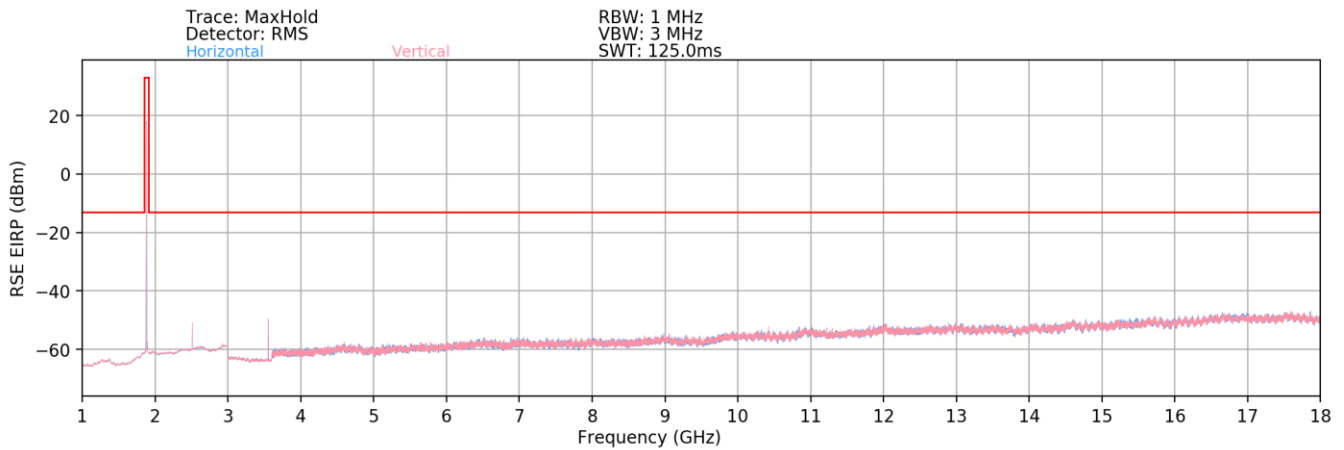
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EN-DC: NR Band n2 – LTE Band 5



Plot 7-153. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n2 – LTE Band 5)



Plot 7-154. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n2 – LTE Band 5)

Case:	n2+B5
Bandwidth (MHz):	20 & 10
Frequency (MHz):	1880 & 836.5
RB / Offset:	1/53 & 1/25
Mode:	EN-DC
Anchor Band:	5

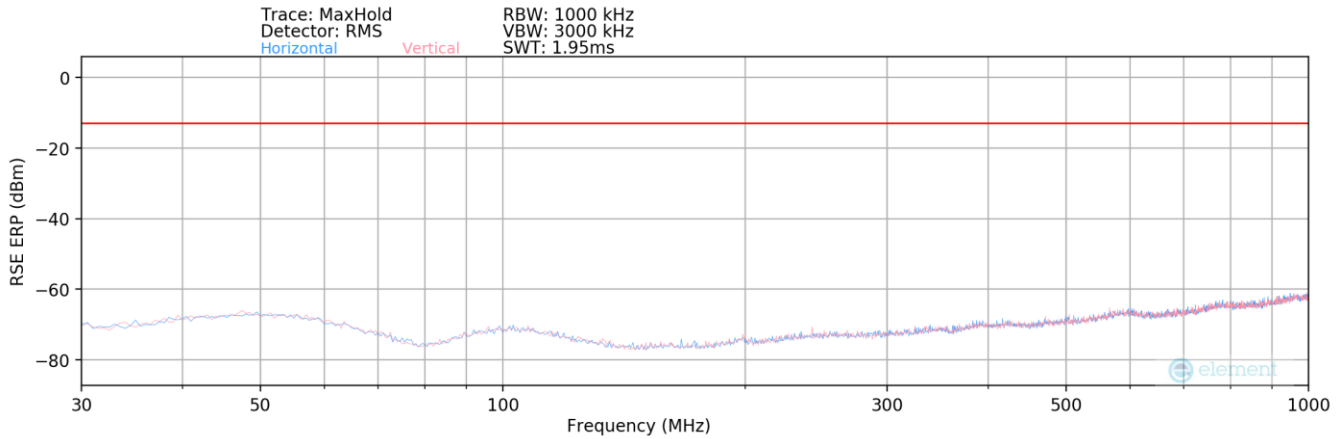
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
422.50	V	-	-	-90.27	24.01	40.74	-54.51	-13.00	-41.51
2509.50	V	154	231	-71.42	0.80	36.38	-58.88	-13.00	-45.88
3553.00	V	396	111	-66.95	2.43	42.48	-52.77	-13.00	-39.77
4803.50	V	-	-	-78.67	4.51	32.84	-62.41	-13.00	-49.41
5226.00	V	-	-	-79.30	5.19	32.89	-62.37	-13.00	-49.37
6683.50	V	-	-	-78.51	6.64	35.13	-60.12	-13.00	-47.12

Table 7-15. Radiated Spurious Data (EN-DC: NR Band n2 – LTE Band 5)

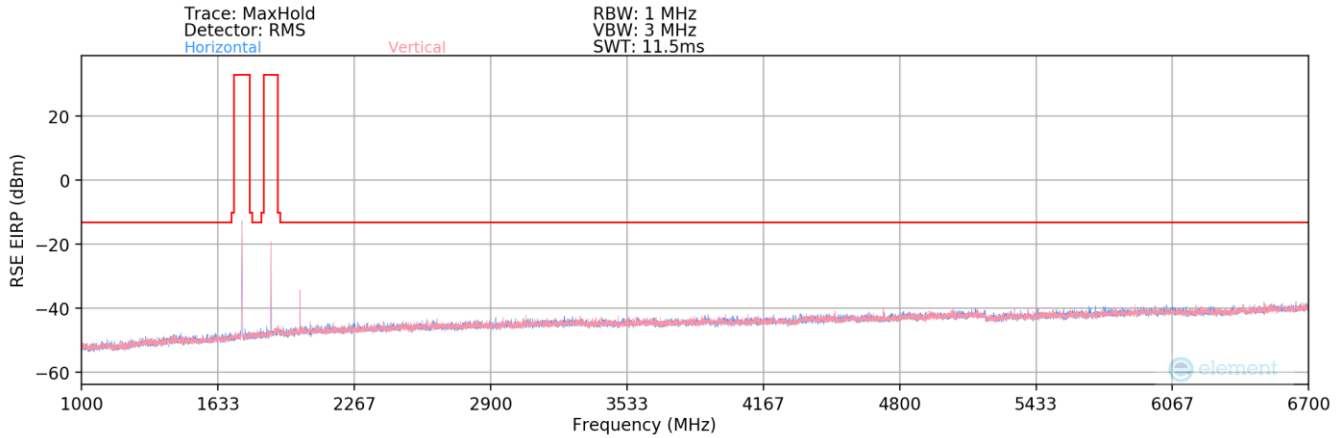
FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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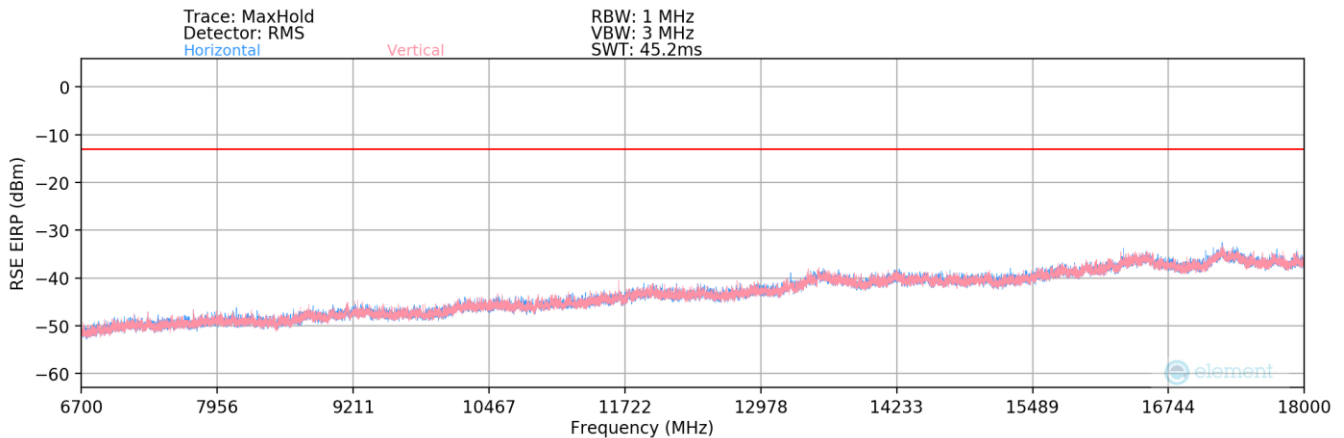
EN-DC: NR Band n2 – LTE Band 66 (Sub Antenna)



Plot 7-155. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n2 – LTE Band 66 (Sub Antenna))



Plot 7-156. Radiated Spurious Plot 1-6.7GHz (EN-DC: NR Band n2 – LTE Band 66 (Sub Antenna))



Plot 7-157. Radiated Spurious Plot 6.7-18GHz (EN-DC: NR Band n2 – LTE Band 66 (Sub Antenna))

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Case:	NR (n2) - B66 (sub)
Bandwidth (MHz):	20 & 20
Frequency (MHz):	1880 & 1745
RB / Offset:	1/53 & 1/50
Mode:	EN-DC
Anchor Band:	66

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
270.0	V	-	-	-79.21	-14.75	13.04	-82.22	-13.00	-69.22
2015.0	V	294	287	-63.08	12.84	56.76	-38.50	-13.00	-25.50
8995.0	V	-	-	-83.54	18.44	41.90	-53.35	-13.00	-40.35
11550.0	V	-	-	-83.96	22.16	45.20	-50.06	-13.00	-37.06
16650.0	V	-	-	-85.25	30.64	52.39	-42.87	-13.00	-29.87

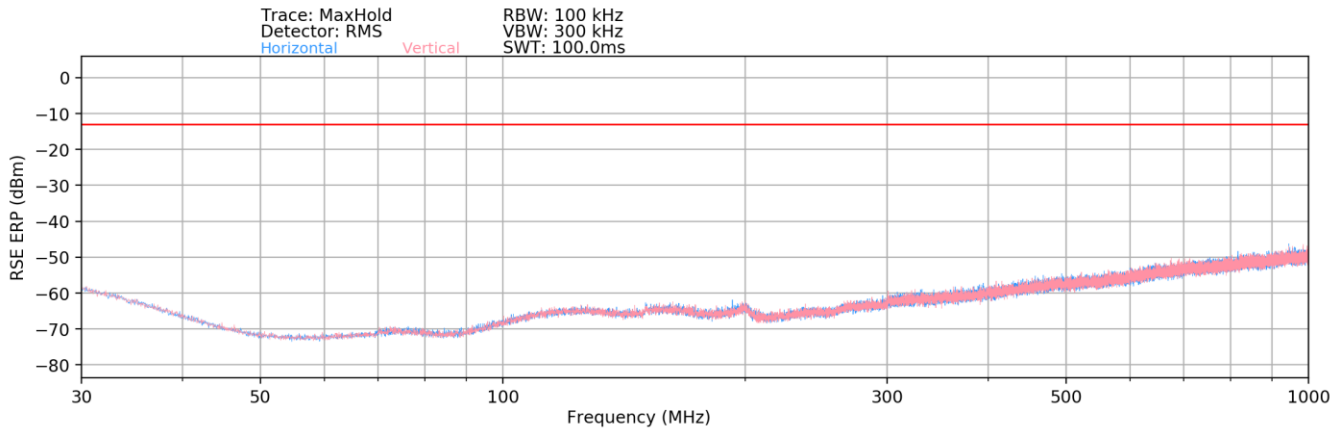
Table 7-16. Radiated Spurious Data (EN-DC: NR Band n2 – LTE Band 66 (Sub Antenna))

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS – Ant1



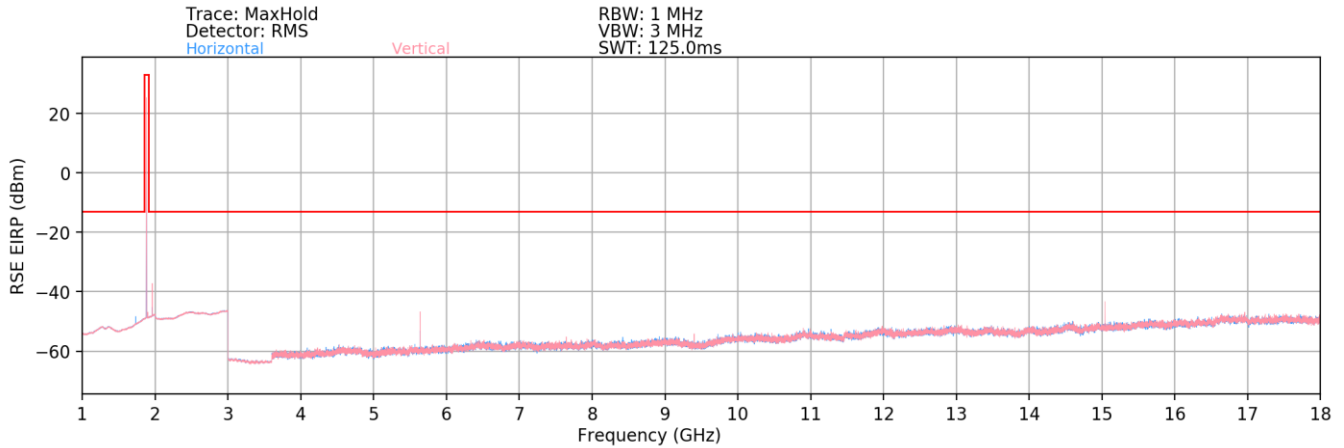
Plot 7-158. Radiated Spurious Plot 30MHz-1GHz (GPRS PCS)

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
734.00	V	-	-	-78.38	29.19	57.81	-37.45	-13.00	-24.45
930.00	V	-	-	-75.74	31.55	62.81	-32.44	-13.00	-19.44

Table 7-17. Radiated Spurious Data 30MHz-1GHz (GPRS PCS)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-159. Radiated Spurious Plot (GPRS PCS)

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3700.40	V	139	279	-73.43	3.57	37.14	-58.11	-13.00	-45.11
5550.60	V	129	105	-54.00	5.12	58.12	-37.13	-13.00	-24.13
7400.80	V	-	-	-77.05	7.68	37.63	-57.63	-13.00	-44.63
9251.00	V	123	47	-73.33	8.84	42.51	-52.75	-13.00	-39.75
11101.20	V	122	57	-71.24	12.47	48.23	-47.03	-13.00	-34.03
12951.40	V	-	-	-78.63	14.17	42.54	-52.71	-13.00	-39.71
14801.60	V	128	169	-74.86	15.69	47.83	-47.43	-13.00	-34.43
16651.80	V	121	223	-68.20	18.40	57.20	-38.05	-13.00	-25.05

Table 7-18. Radiated Spurious Data (GPRS PCS – Low Channel)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.00	V	366	228	-74.09	3.16	36.07	-59.18	-13.00	-46.18
5640.00	V	125	106	-55.85	5.52	56.67	-38.59	-13.00	-25.59
7520.00	V	-	-	-77.32	7.83	37.51	-57.75	-13.00	-44.75
9400.00	V	127	198	-75.43	10.22	41.79	-53.47	-13.00	-40.47
11280.00	V	293	318	-67.32	12.48	52.16	-43.10	-13.00	-30.10
13160.00	V	121	190	-78.00	13.95	42.95	-52.31	-13.00	-39.31
15040.00	V	121	169	-66.20	15.61	56.41	-38.85	-13.00	-25.85
16920.00	V	230	227	-76.53	18.33	48.80	-46.46	-13.00	-33.46

Table 7-19. Radiated Spurious Data (GPRS PCS – Mid Channel)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3819.60	V	121	233	-73.64	3.00	36.36	-58.90	-13.00	-45.90
5729.40	V	134	96	-59.79	5.41	52.62	-42.64	-13.00	-29.64
7639.20	V	-	-	-77.24	7.95	37.71	-57.55	-13.00	-44.55
9549.00	V	196	229	-72.04	9.95	44.91	-50.35	-13.00	-37.35
11458.80	V	124	222	-75.84	12.58	43.74	-51.51	-13.00	-38.51
13368.60	V	126	195	-76.13	13.84	44.71	-50.54	-13.00	-37.54
15278.40	V	120	164	-65.53	16.17	57.64	-37.62	-13.00	-24.62
17188.20	V	222	226	-72.09	17.90	52.81	-42.44	-13.00	-29.44

Table 7-20. Radiated Spurious Data (GPRS PCS – High Channel)

Case:	w/ Wireless Charging Pad
Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3700.40	V	395	323	-74.67	3.57	35.90	-59.35	-13.00	-46.35
5550.60	V	322	131	-56.90	5.12	55.22	-40.03	-13.00	-27.03
7400.80	V	-	-	-77.01	7.68	37.67	-57.59	-13.00	-44.59
9251.00	V	267	222	-73.40	8.84	42.44	-52.82	-13.00	-39.82
11101.20	V	266	329	-71.89	12.47	47.58	-47.68	-13.00	-34.68
12951.40	V	-	-	-78.73	14.17	42.44	-52.81	-13.00	-39.81
14801.60	V	264	49	-75.08	15.69	47.61	-47.65	-13.00	-34.65
16651.80	V	230	160	-68.87	18.40	56.53	-38.72	-13.00	-25.72

Table 7-21. Radiated Spurious Data with WCP (GPRS PCS)

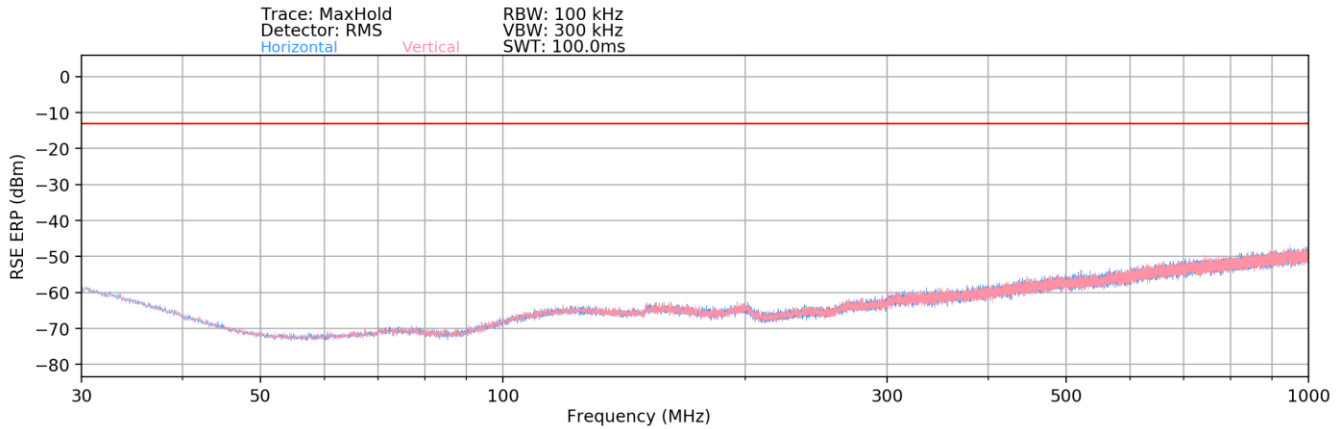
FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 115 of 123

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WCDMA PCS



Plot 7-160. Radiated Spurious Plot 30MHz-1GHz (WCDMA PCS)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

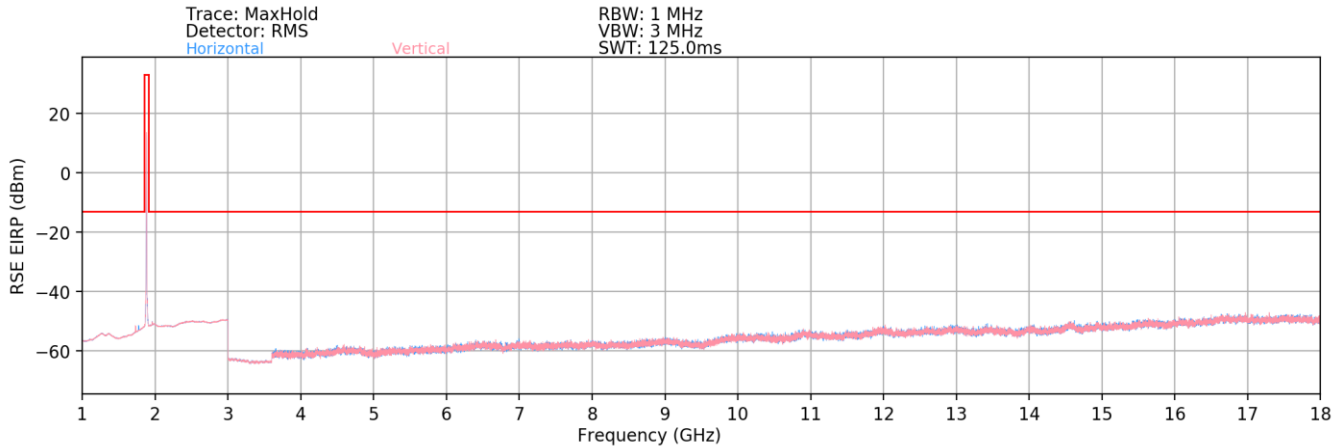
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
940.00	V	-	-	-88.66	31.84	50.18	-45.07	-13.00	-32.07

Table 7-22. Radiated Spurious Data 30MHz-1GHz (WCDMA PCS)

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-161. Radiated Spurious Plot (WCDMA PCS)

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.80	V	-	-	-78.16	3.50	32.34	-62.92	-13.00	-49.92
5557.20	V	-	-	-78.08	5.06	33.98	-61.28	-13.00	-48.28
7409.60	V	-	-	-78.92	7.66	35.74	-59.52	-13.00	-46.52

Table 7-23. Radiated Spurious Data (WCDMA PCS – Low Channel)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.00	V	-	-	-78.20	3.16	31.96	-63.29	-13.00	-50.29
5640.00	V	-	-	-78.14	5.52	34.38	-60.88	-13.00	-47.88
7520.00	V	-	-	-79.23	7.83	35.60	-59.66	-13.00	-46.66

Table 7-24. Radiated Spurious Data (WCDMA PCS – Mid Channel)

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.20	V	-	-	-78.08	2.98	31.90	-63.35	-13.00	-50.35
5722.80	V	-	-	-78.20	5.42	34.22	-61.03	-13.00	-48.03
7630.40	V	-	-	-79.08	8.05	35.97	-59.29	-13.00	-46.29

Table 7-25. Radiated Spurious Data (WCDMA PCS – High Channel)

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7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Test Procedure Used

ANSI/TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

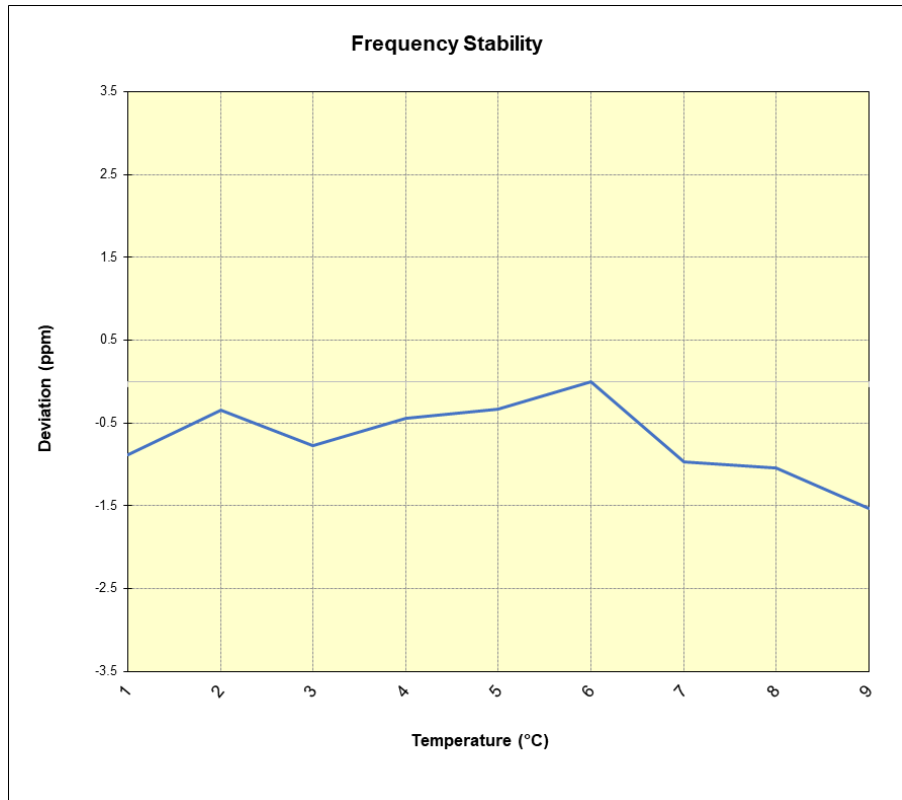
FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2					
		Operating Frequency (Hz):		1,882,500,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	1,882,595,039	-1,652	-0.0000877
		- 20	1,882,596,041	-649	-0.0000345
		- 10	1,882,595,235	-1,456	-0.0000773
		0	1,882,595,866	-824	-0.0000438
		+ 10	1,882,596,074	-617	-0.0000328
		+ 20 (Ref)	1,882,596,690	0	0.0000000
		+ 30	1,882,594,876	-1,814	-0.0000964
		+ 40	1,882,594,725	-1,966	-0.0001044
Battery Endpoint	3.69	+ 20	1,882,593,821	-2,870	-0.0001524

Table 7-26. LTE Band 25/2 Frequency Stability Data

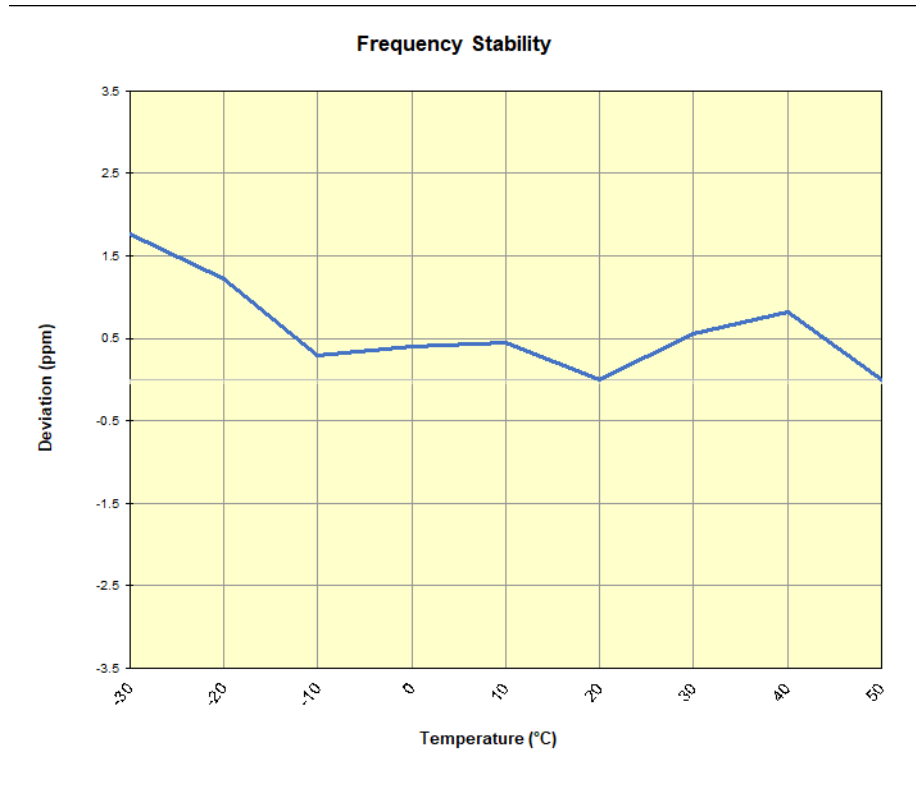


Plot 7-162. LTE Band 25/2 Frequency Stability Chart

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n2					
		Operating Frequency (Hz):		1,880,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	1,880,089,633	3,324	0.0001768
		- 20	1,880,088,619	2,310	0.0001228
		- 10	1,880,086,853	545	0.0000290
		0	1,880,087,051	742	0.0000395
		+ 10	1,880,087,142	834	0.0000443
		+ 20 (Ref)	1,880,086,309	0	0.0000000
		+ 30	1,880,087,355	1,046	0.0000556
		+ 40	1,880,087,847	1,538	0.0000818
Battery Endpoint	3.69	+ 20	1,880,083,417	-2,892	-0.0001538

Table 7-27. NR Band n2 Frequency Stability Data

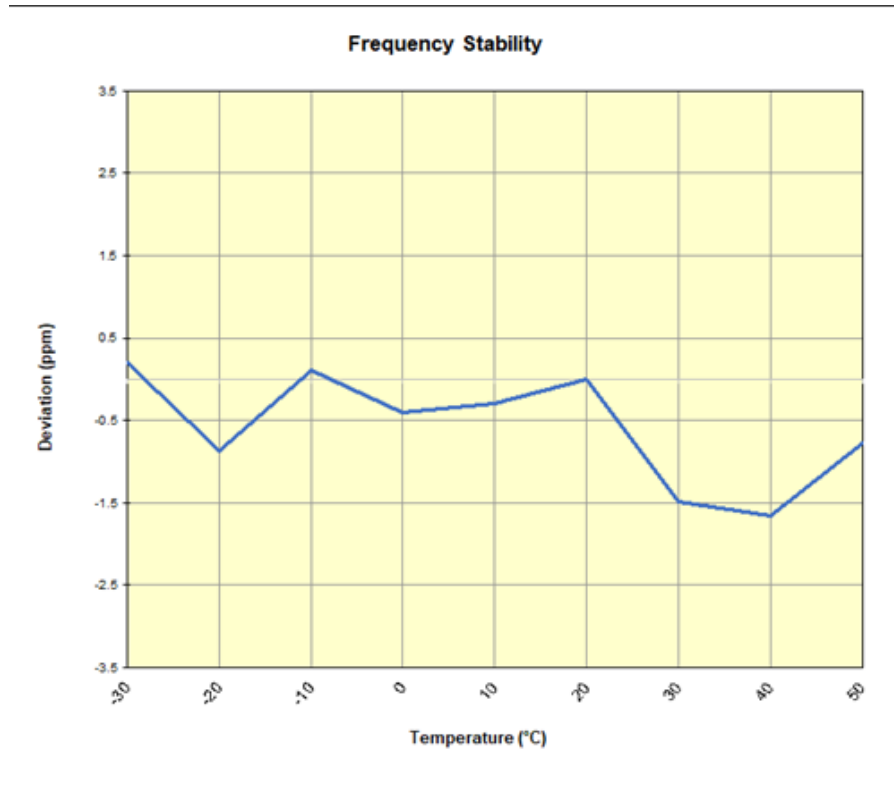


Plot 7-163. NR Band n2 Frequency Stability Chart

FCC ID: PY7-57325M	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS					
		Operating Frequency (Hz):		1,880,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	1,880,003,157	388	0.0000206
		- 20	1,880,001,153	-1,616	-0.0000860
		- 10	1,880,002,961	192	0.0000102
		0	1,880,002,015	-754	-0.0000401
		+ 10	1,880,002,203	-566	-0.0000301
		+ 20 (Ref)	1,880,002,769	0	0.0000000
		+ 30	1,879,999,974	-2,796	-0.0001487
		+ 40	1,879,999,651	-3,118	-0.0001658
		+ 50	1,880,001,324	-1,445	-0.0000769
Battery Endpoint	3.69	+ 20	1,880,000,812	-1,957	-0.0001041

Table 7-28. GSM/GPRS PCS Frequency Stability Data

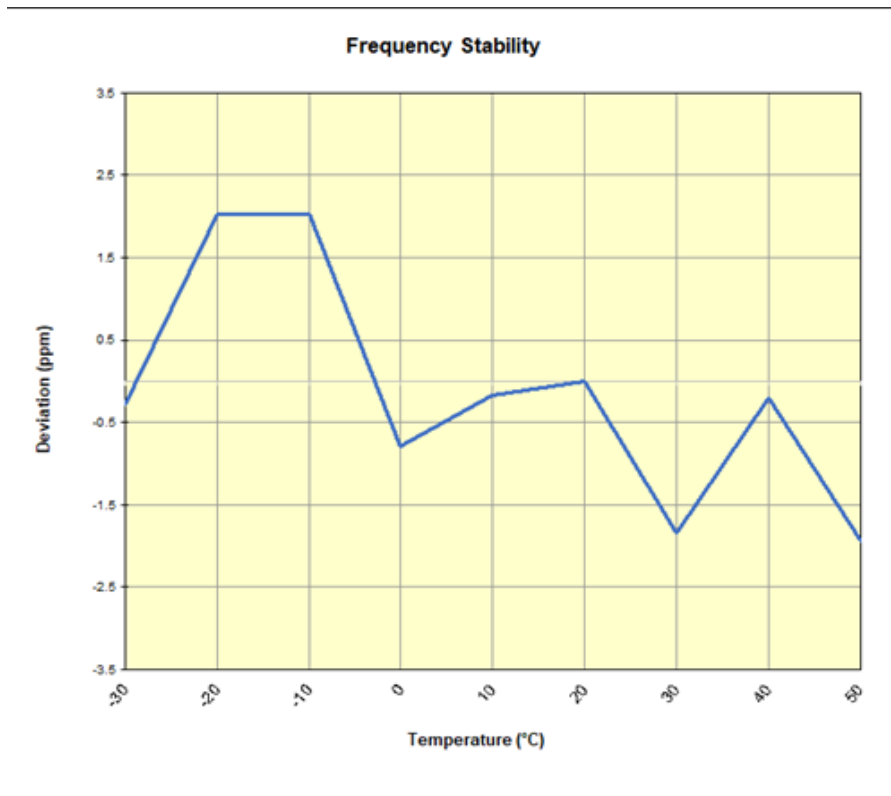


Plot 7-164. GSM/GPRS PCS Frequency Stability Chart

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WCDMA PCS					
Operating Frequency (Hz):		1,880,000,000			
Ref. Voltage (VDC):		4.28			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	1,879,905,421	-520	-0.0000276
		- 20	1,879,909,741	3,801	0.0002022
		- 10	1,879,909,756	3,815	0.0002030
		0	1,879,904,446	-1,494	-0.0000795
		+ 10	1,879,905,624	-316	-0.0000168
		+ 20 (Ref)	1,879,905,940	0	0.0000000
		+ 30	1,879,902,475	-3,466	-0.0001844
		+ 40	1,879,905,560	-380	-0.0000202
Battery Endpoint	3.69	+ 20	1,879,904,964	-976	-0.0000519

Table 7-29. WCDMA PCS Frequency Stability Data



Plot 7-165. WCDMA PCS Frequency Stability Chart

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **SONY Portable Handset FCC ID: PY7-57325M** complies with all the requirements of Part 24 of the FCC rules.

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Test Report S/N: 1M2201200003-06.PY7	Test Dates: 3/25/2022 - 5/21/2022	EUT Type: Portable Handset	Page 123 of 123

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