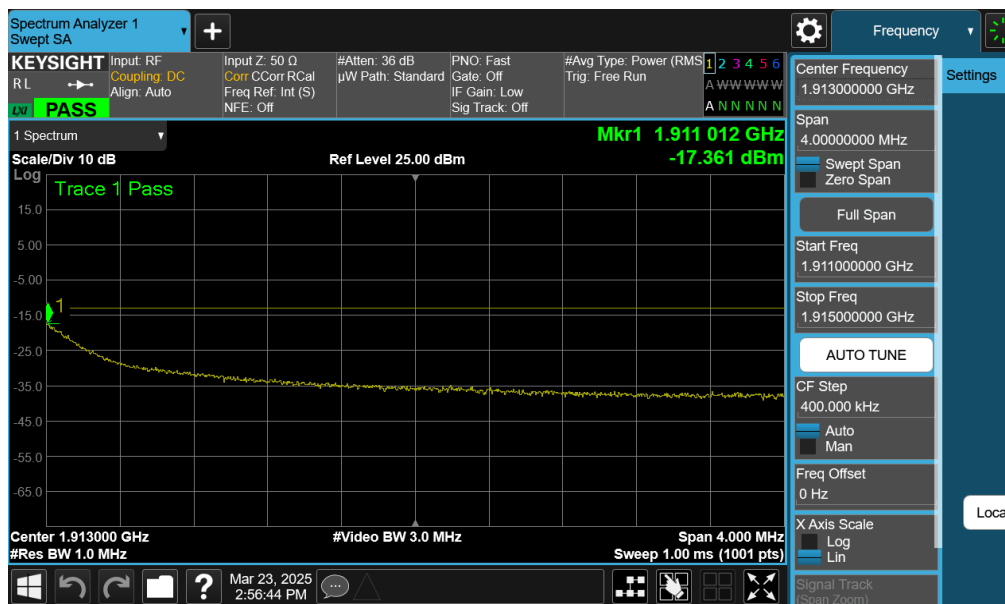




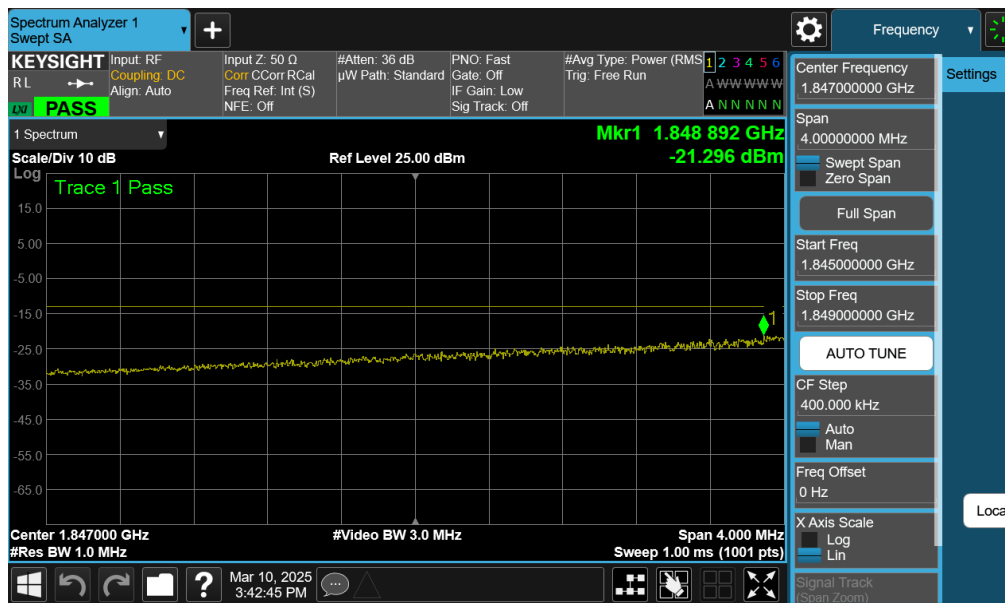
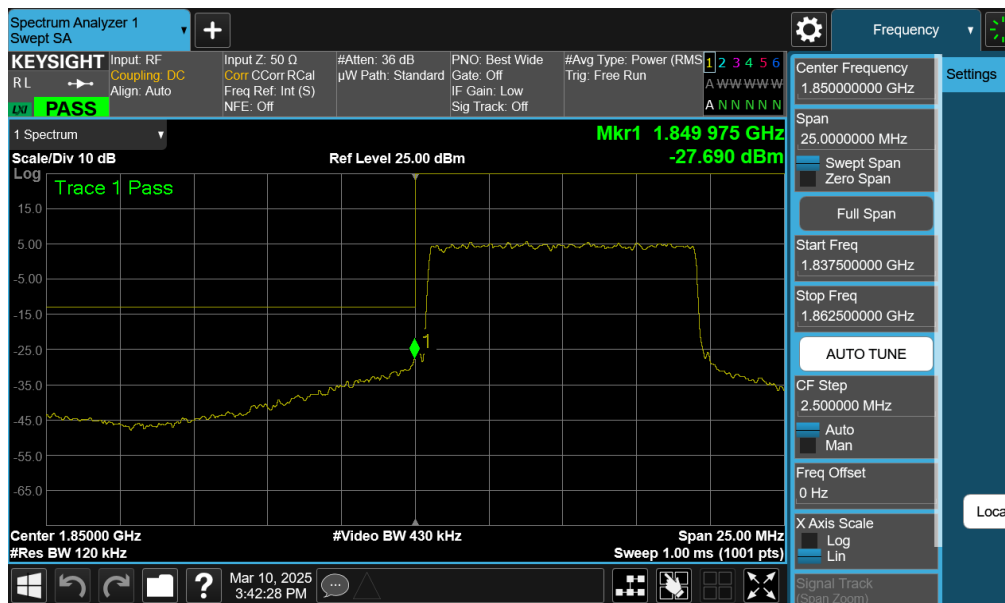
Plot 7-136. Upper Band Edge Plot (WCDMA PCS – Ch. 9538 - Ant1)



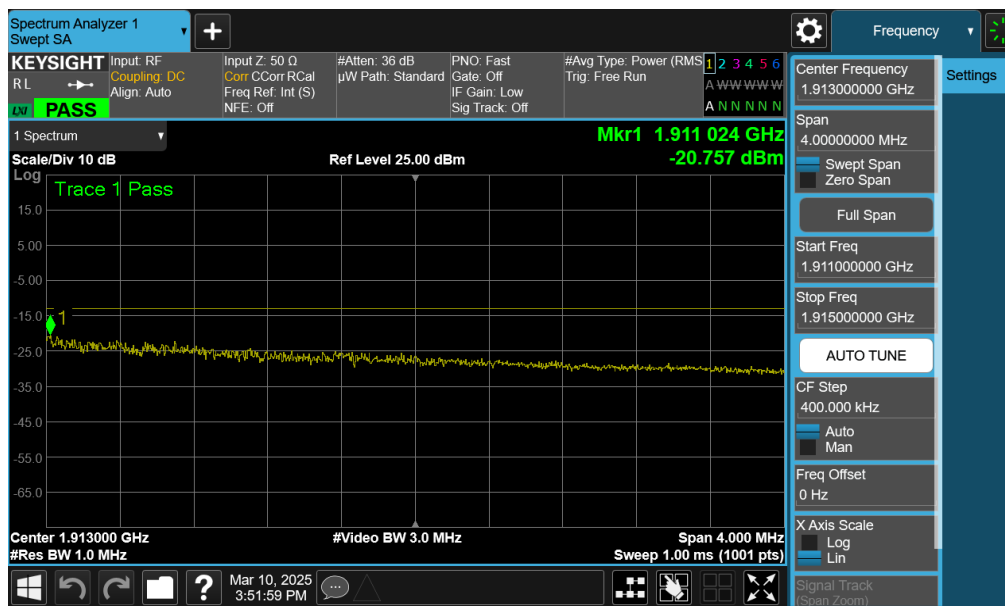
Plot 7-137. Extended Upper Band Edge Plot (WCDMA PCS – Ch. 9538 - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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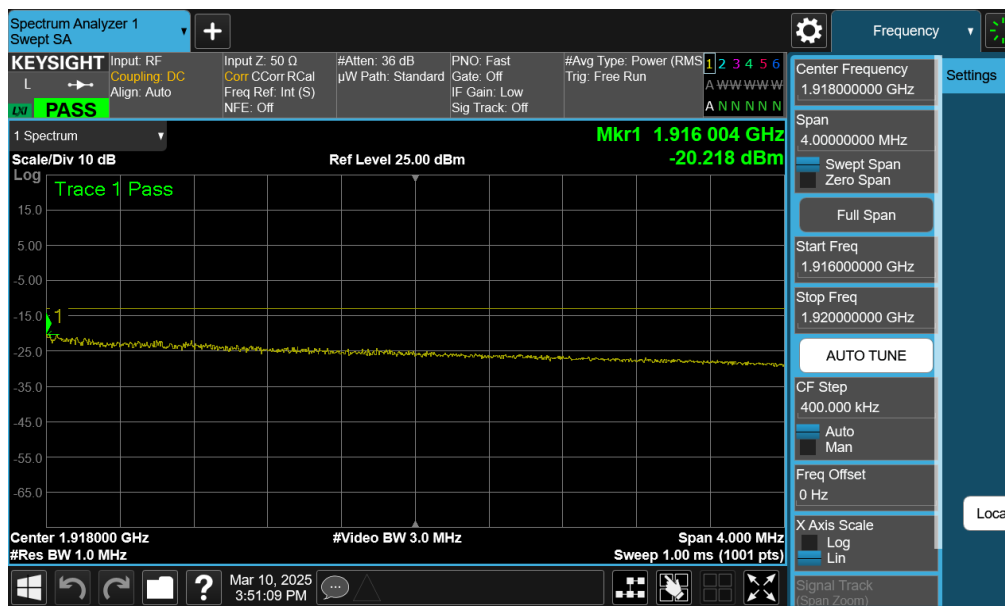
LTE Band 25/2 – Ant1



FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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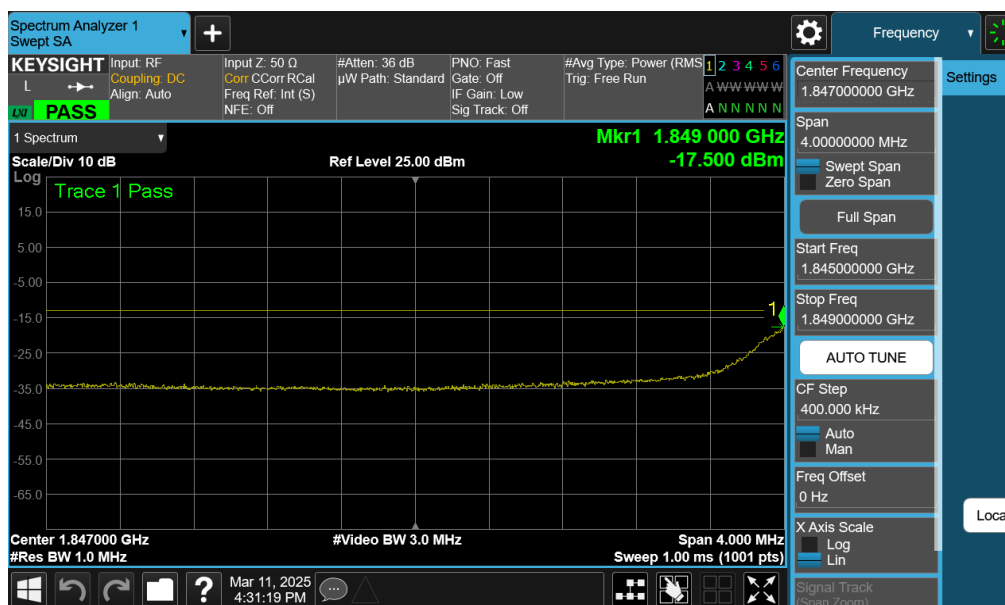
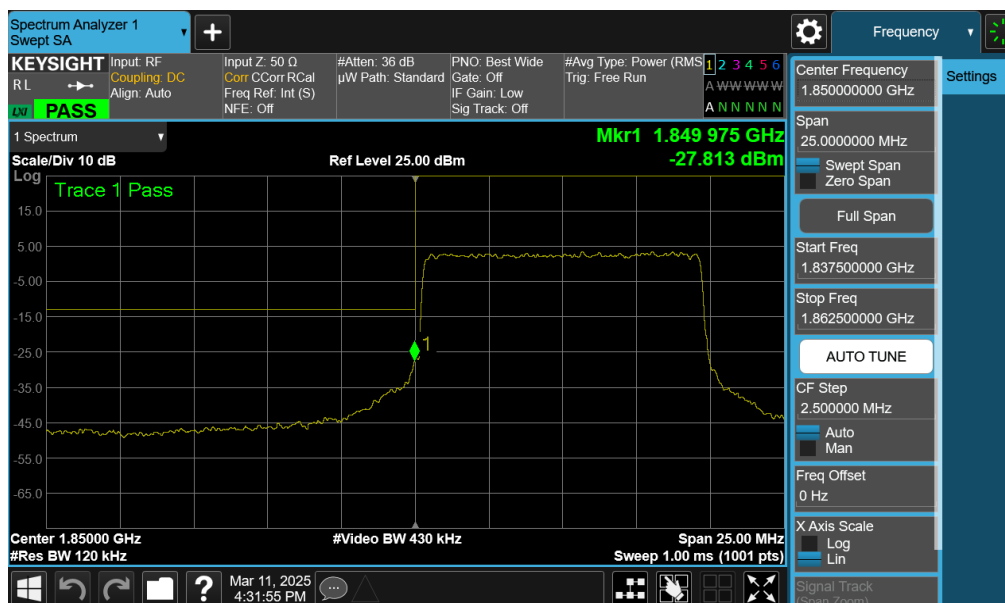
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-02.A3L	Test Dates: 2/24/2025 - 4/25/2025	EUT Type: Portable Handset	Page 97 of 149



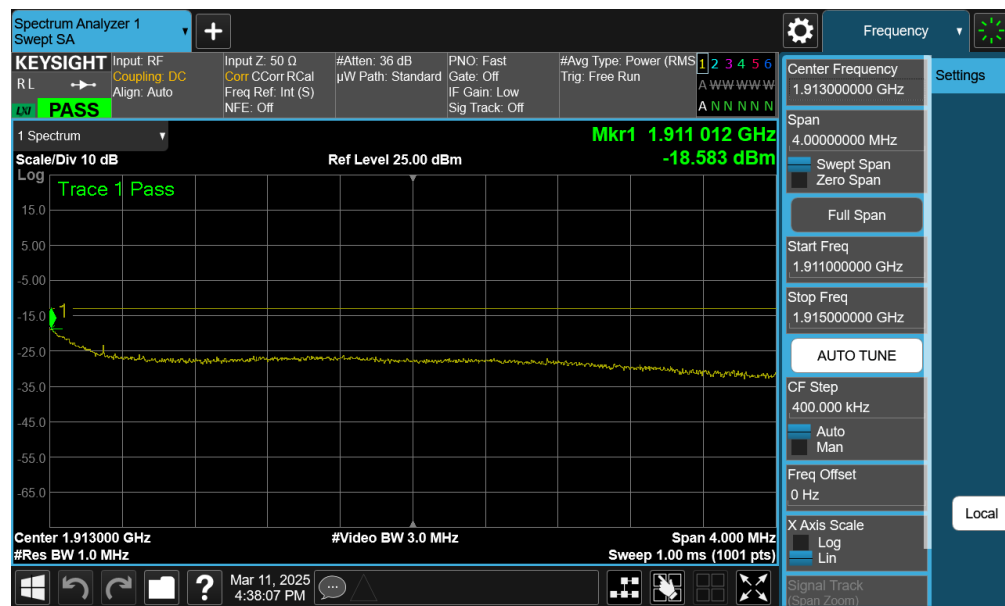
Plot 7-143. Extended Upper Band Edge Plot (LTE Band 25 - 10MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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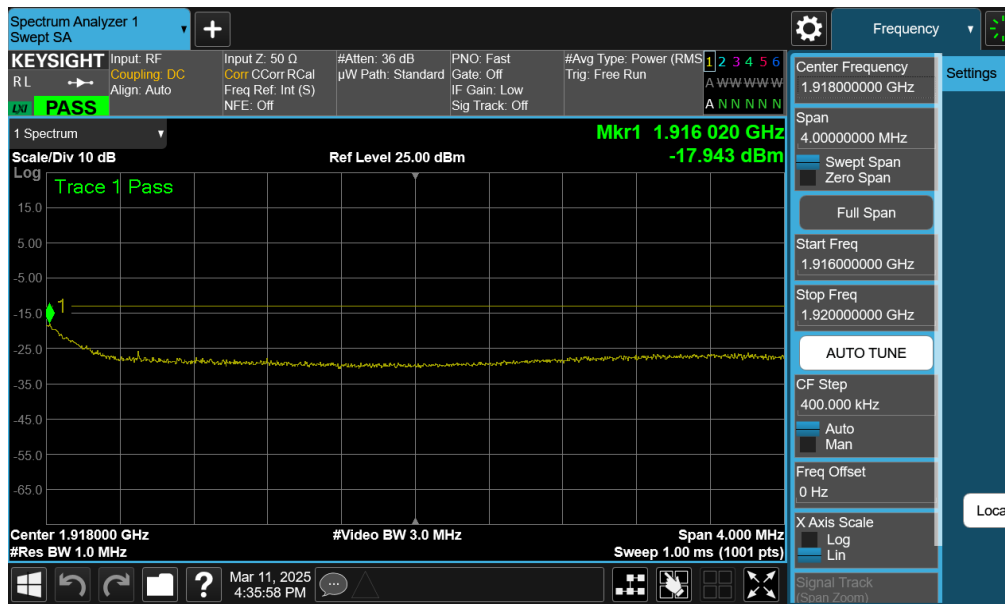
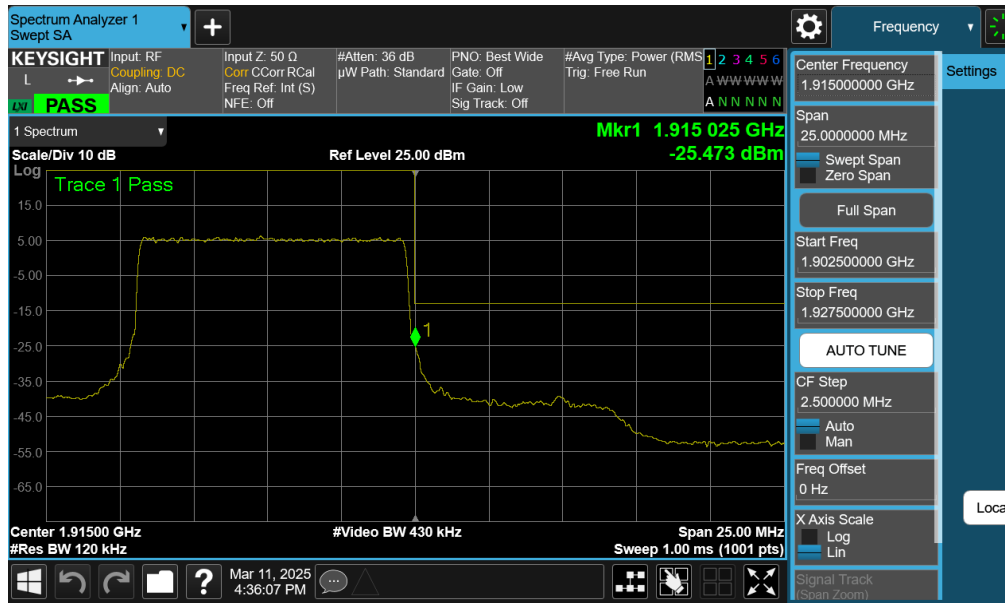
NR Band n25/2 – Ant1



FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B25-2	20MHz	Low	Band Edge	-28.64	-13	-15.64
		Low	Extended	-23.89	-13	-10.89
		High [B2]	Band Edge	-28.87	-13	-15.87
		High [B25]	Band Edge	-28.22	-13	-15.22
		High [B2]	Extended	-23.42	-13	-10.41
		High [B25]	Extended	-23.50	-13	-10.50
	15MHz	Low	Band Edge	-25.98	-13	-12.97
		Low	Extended	-20.43	-13	-7.43
		High [B2]	Band Edge	-28.01	-13	-15.01
		High [B25]	Band Edge	-28.73	-13	-15.73
		High [B2]	Extended	-20.92	-13	-7.92
		High [B25]	Extended	-22.41	-13	-9.41
	10MHz	Low	Band Edge	-25.49	-13	-12.49
		Low	Extended	-19.53	-13	-6.53
		High [B2]	Band Edge	-26.86	-13	-13.86
		High [B25]	Band Edge	-28.61	-13	-15.61
		High [B2]	Extended	-20.36	-13	-7.36
		High [B25]	Extended	-21.10	-13	-8.10
	5MHz	Low	Band Edge	-22.52	-13	-9.52
		Low	Extended	-23.10	-13	-10.10
		High [B2]	Band Edge	-24.06	-13	-11.06
		High [B25]	Band Edge	-24.00	-13	-11.00
		High [B2]	Extended	-23.01	-13	-10.01
		High [B25]	Extended	-21.41	-13	-8.41
	3MHz	Low	Band Edge	-21.89	-13	-8.89
		Low	Extended	-22.31	-13	-9.31
		High [B2]	Band Edge	-23.98	-13	-10.98
		High [B25]	Band Edge	-24.19	-13	-11.19
		High [B2]	Extended	-21.83	-13	-8.83
		High [B25]	Extended	-20.45	-13	-7.45
	1.4MHz	Low	Band Edge	-23.02	-13	-10.02
		Low	Extended	-27.33	-13	-14.33
		High [B2]	Band Edge	-22.56	-13	-9.56
		High [B25]	Band Edge	-22.45	-13	-9.45
		High [B2]	Extended	-27.98	-13	-14.98
		High [B25]	Extended	-27.73	-13	-14.73

Table 7-10. Conducted Band Edge Results – Ant2

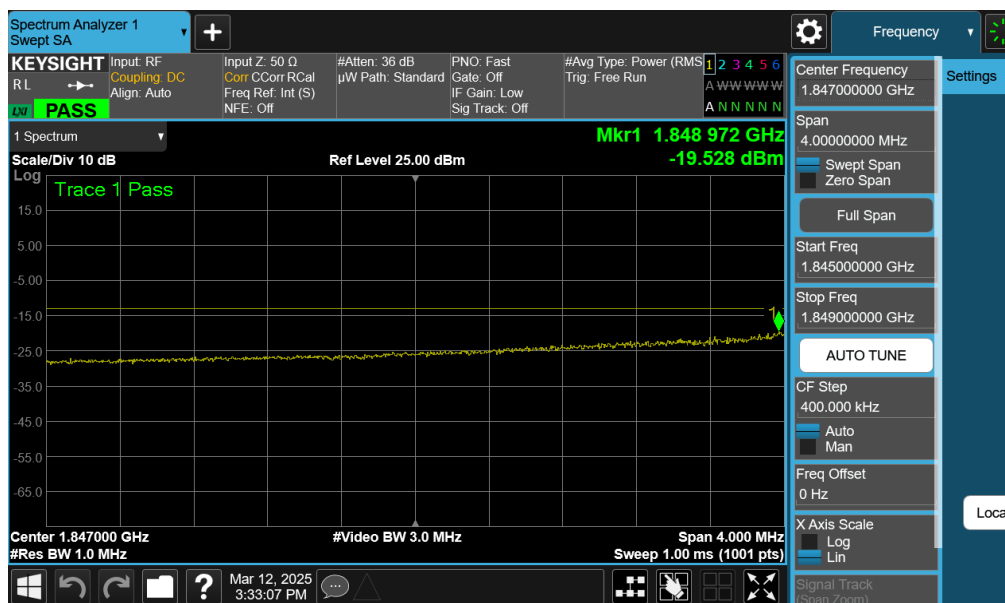
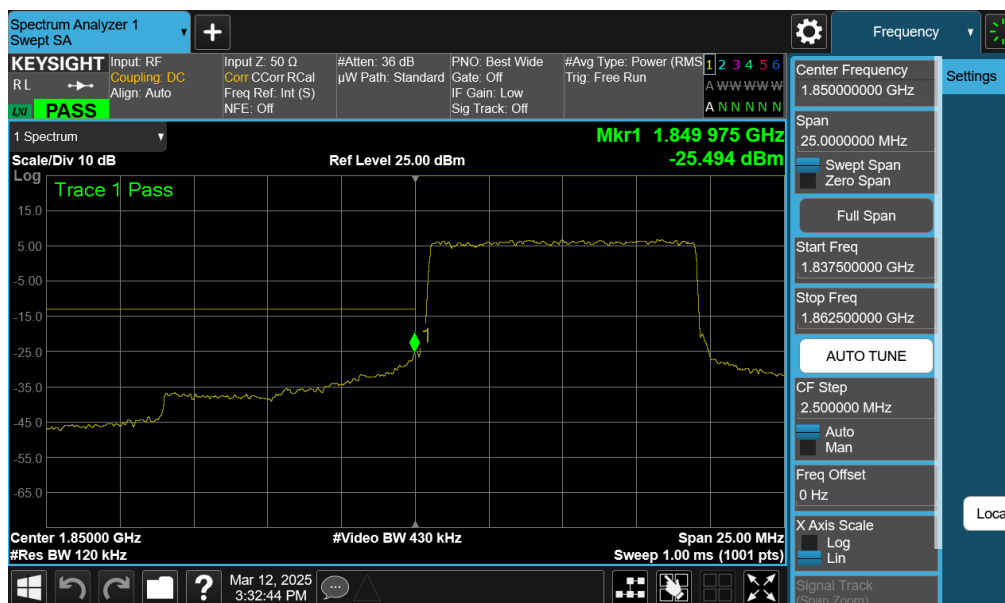
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n25-2	40MHz	Low	Band Edge	-25.49	-13	-12.49
		Low	Extended	-25.84	-13	-12.84
		High [n25]	Band Edge	-23.44	-13	-10.44
		High [n25]	Extended	-23.61	-13	-10.61
	35MHz	Low	Band Edge	-28.27	-13	-15.27
		Low	Extended	-27.98	-13	-14.98
		High [n25]	Band Edge	-28.25	-13	-15.25
		High [n25]	Extended	-25.54	-13	-12.54
	30MHz	Low	Band Edge	-30.36	-13	-17.36
		Low	Extended	-25.59	-13	-12.59
		High [n25]	Band Edge	-28.93	-13	-15.93
		High [n25]	Extended	-24.89	-13	-11.89
	25MHz	Low	Band Edge	-29.97	-13	-16.97
		Low	Extended	-25.41	-13	-12.41
		High [n25]	Band Edge	-30.26	-13	-17.26
		High [n25]	Extended	-26.40	-13	-13.40
	20MHz	Low	Band Edge	-28.63	-13	-15.63
		Low	Extended	-24.20	-13	-11.20
		High [n2]	Band Edge	-29.51	-13	-16.51
		High [n25]	Band Edge	-30.22	-13	-17.22
		High [n2]	Extended	-25.41	-13	-12.41
		High [n25]	Extended	-25.60	-13	-12.60
	15MHz	Low	Band Edge	-28.31	-13	-15.31
		Low	Extended	-20.51	-13	-7.51
		High [n2]	Band Edge	-28.97	-13	-15.97
		High [n25]	Band Edge	-30.47	-13	-17.47
		High [n2]	Extended	-21.04	-13	-8.04
		High [n25]	Extended	-22.85	-13	-9.85
	10MHz	Low	Band Edge	-26.35	-13	-13.35
		Low	Extended	-16.54	-13	-3.54
		High [n2]	Band Edge	-25.47	-13	-12.47
		High [n25]	Band Edge	-26.80	-13	-13.80
		High [n2]	Extended	-17.33	-13	-4.33
		High [n25]	Extended	-17.81	-13	-4.81
	5MHz	Low	Band Edge	-23.13	-13	-10.13
		Low	Extended	-23.09	-13	-10.09
		High [n2]	Band Edge	-22.88	-13	-9.88
		High [n25]	Band Edge	-21.69	-13	-8.69
		High [n2]	Extended	-23.93	-13	-10.93
		High [n25]	Extended	-20.97	-13	-7.97

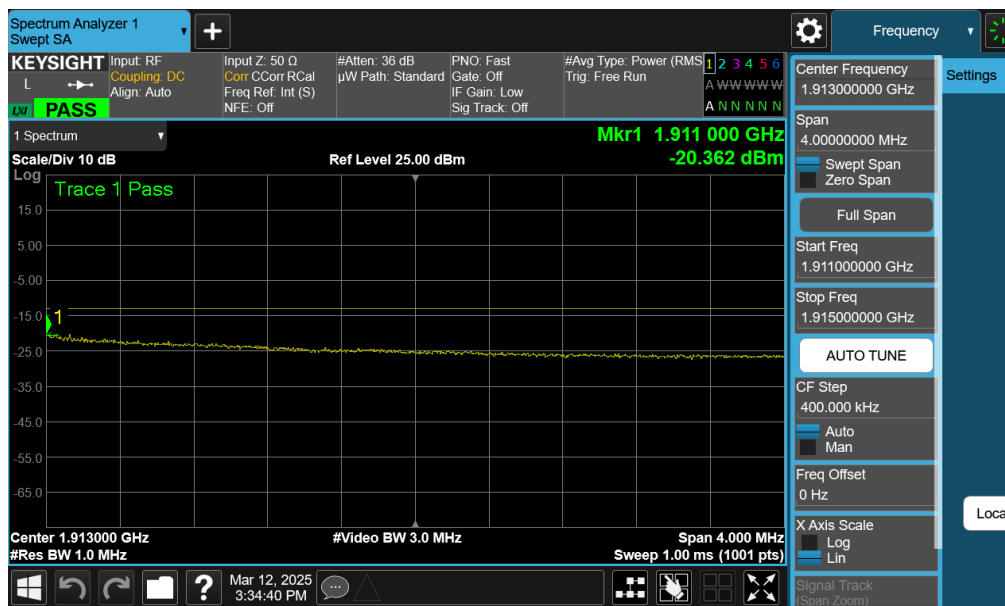
Table 7-11. Conducted Band Edge Results – Ant2

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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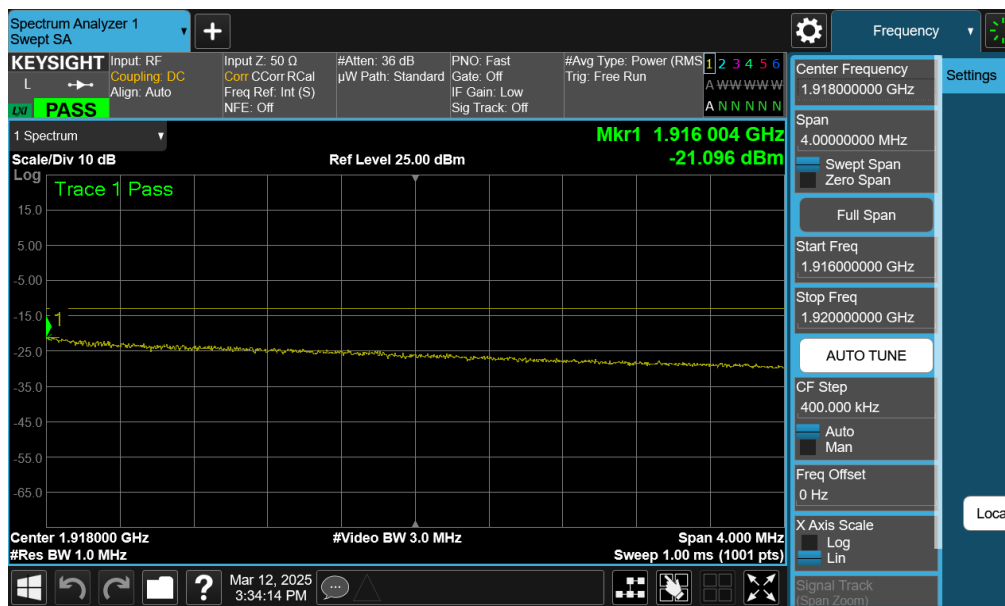
LTE Band 25/2 – Ant2



FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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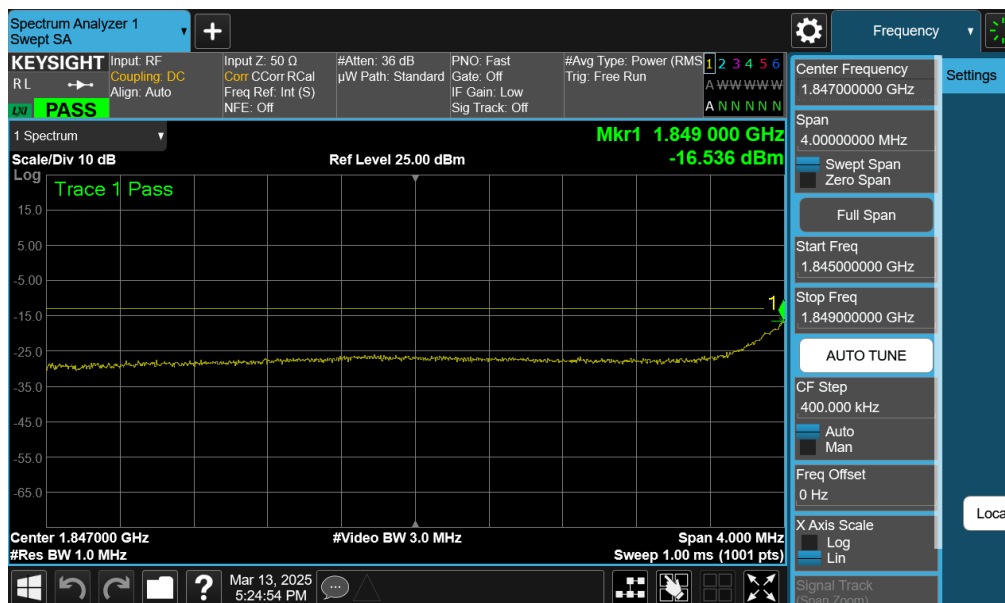
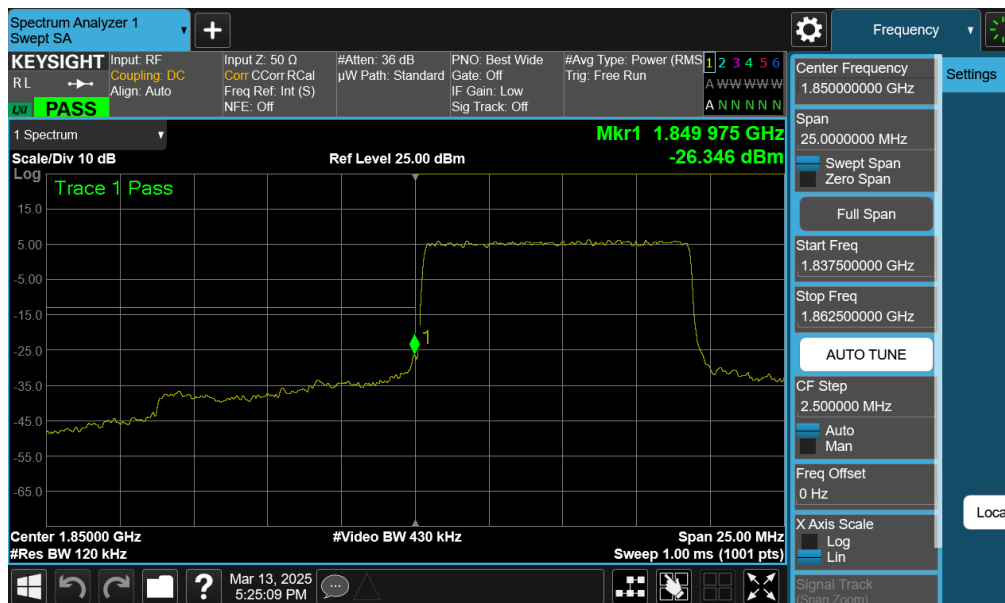


FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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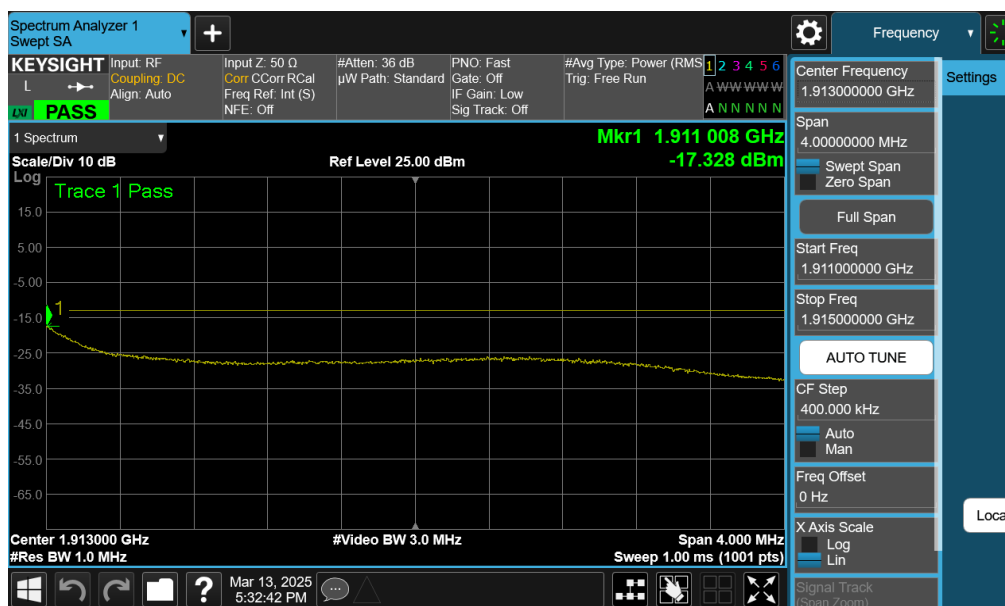
NR Band n25/2 – Ant2



FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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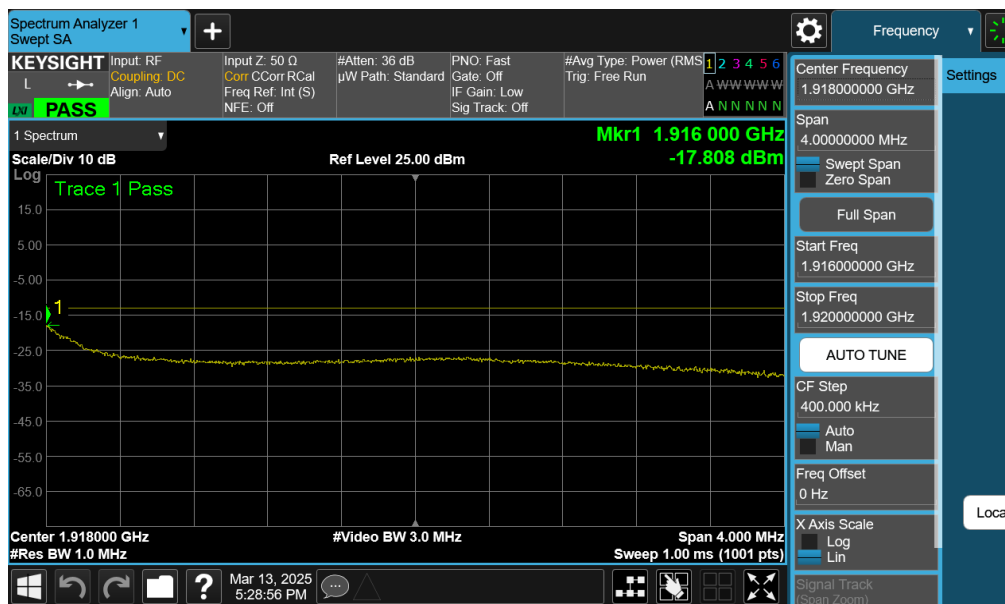


Plot 7-158. Upper Band Edge Plot (NR Band n2 - 10MHz QPSK - Full RB - Ant2)



Plot 7-159. Extended Upper Band Edge Plot (NR Band n2 - 10MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2.3.4

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.

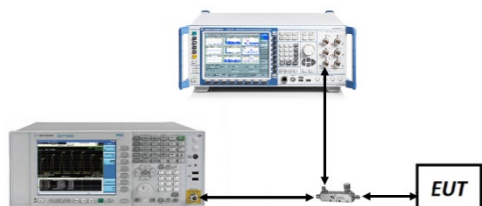


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

For the QAM modulations, 256QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

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Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM-PCS	N/A	GMSK	26.84	2.72	13	-10.28
GSM-PCS EDGE		8-PSK	22.58	6.22	13	-6.78
WCDMA-PCS		Spread Spectrum	23.45	3.00	13	-10.00
LTE-B25-2	20MHz	QPSK	23.07	4.61	13	-8.39
		256QAM	19.12	6.72	13	-6.28
	15MHz	QPSK	23.06	4.56	13	-8.44
		256QAM	19.13	6.73	13	-6.27
	10MHz	QPSK	23.14	4.48	13	-8.52
		256QAM	19.16	6.73	13	-6.27
	5MHz	QPSK	23.59	4.50	13	-8.50
		256QAM	19.14	6.76	13	-6.24
	3MHz	QPSK	23.18	4.42	13	-8.58
		256QAM	19.17	6.82	13	-6.18
	1.4MHz	QPSK	23.08	4.48	13	-8.52
		256QAM	19.14	6.82	13	-6.18

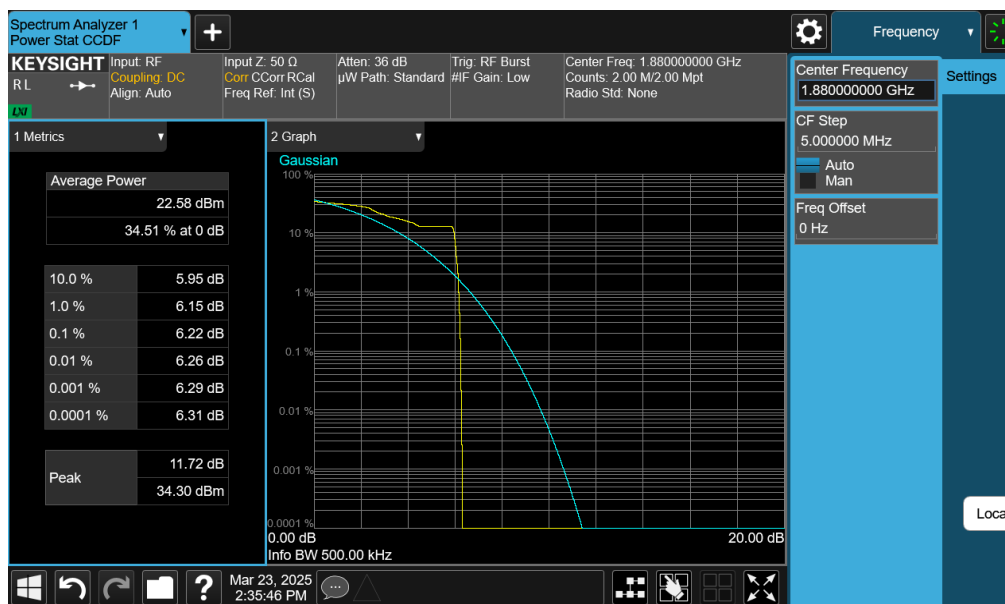
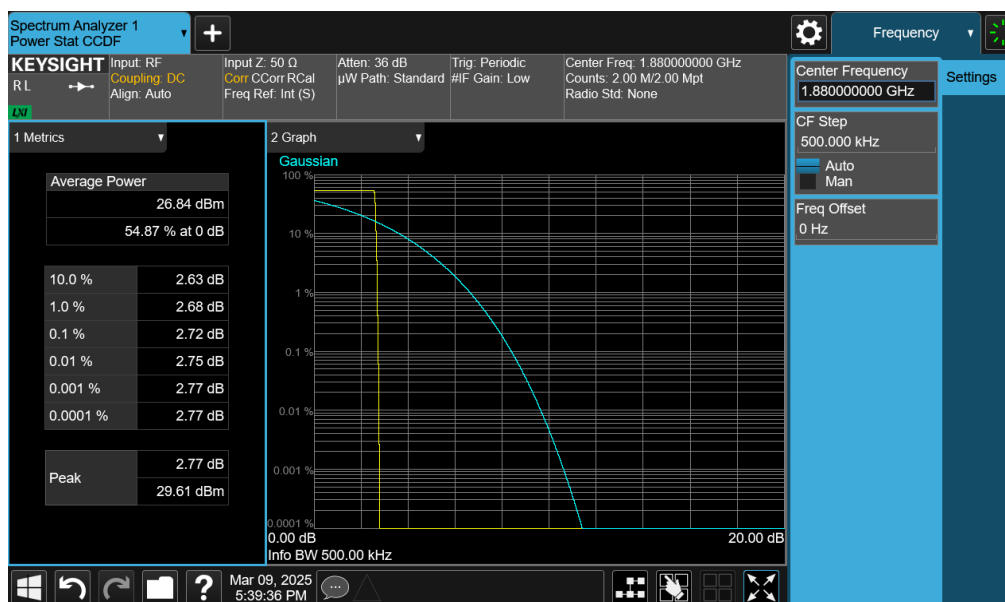
Table 7-12 . Peak-Average Ratio Results – Ant1

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	22.96	4.06	13	-8.94
		QPSK	20.40	6.65	13	-6.35
		256QAM	16.81	8.33	13	-4.67
	35MHz	BPSK	22.84	3.95	13	-9.05
		QPSK	20.25	6.71	13	-6.29
		256QAM	16.80	8.18	13	-4.82
	30MHz	BPSK	23.05	3.91	13	-9.09
		QPSK	20.41	6.63	13	-6.37
		256QAM	16.93	8.43	13	-4.57
	25MHz	BPSK	23.05	4.03	13	-8.97
		QPSK	20.52	6.72	13	-6.28
		256QAM	16.99	8.58	13	-4.42
	20MHz	BPSK	23.08	3.83	13	-9.17
		QPSK	20.50	6.57	13	-6.43
		256QAM	16.99	8.44	13	-4.56
	15MHz	BPSK	23.11	3.78	13	-9.22
		QPSK	20.39	6.60	13	-6.40
		256QAM	16.98	8.38	13	-4.62
	10MHz	BPSK	23.05	3.83	13	-9.17
		QPSK	20.46	6.69	13	-6.31
		256QAM	16.91	8.67	13	-4.33
	5MHz	BPSK	23.10	3.91	13	-9.09
		QPSK	20.58	6.65	13	-6.35
		256QAM	16.98	8.47	13	-4.53

Table 7-13 . Peak-Average Ratio Results – Ant1

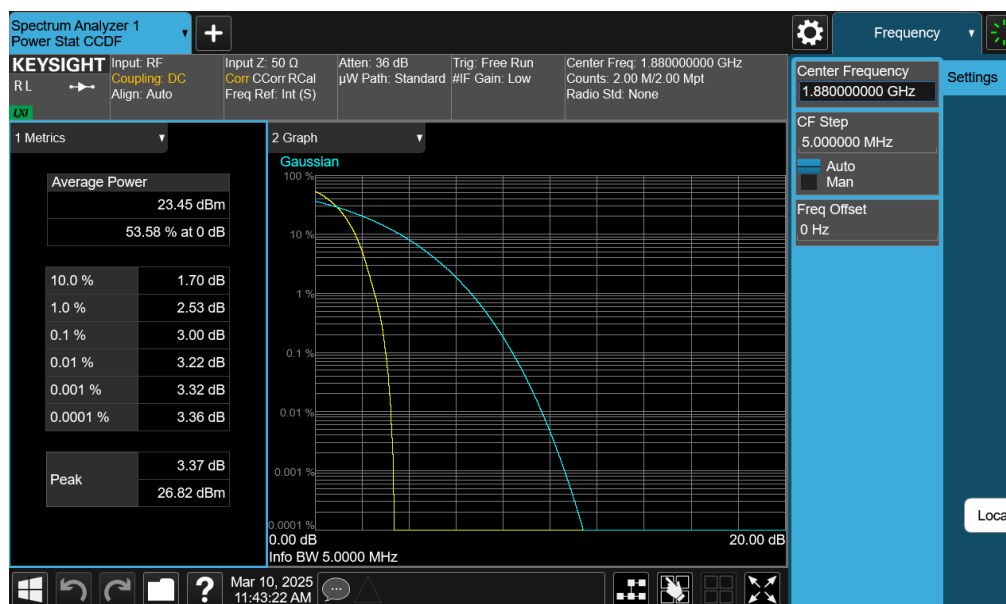
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS – Ant1



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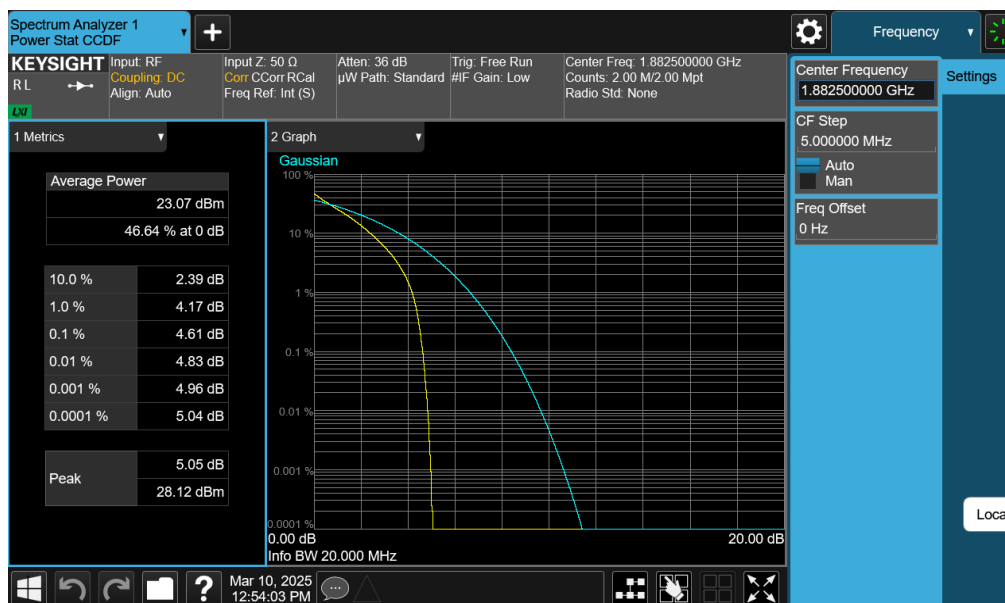
WCDMA PCS – Ant1



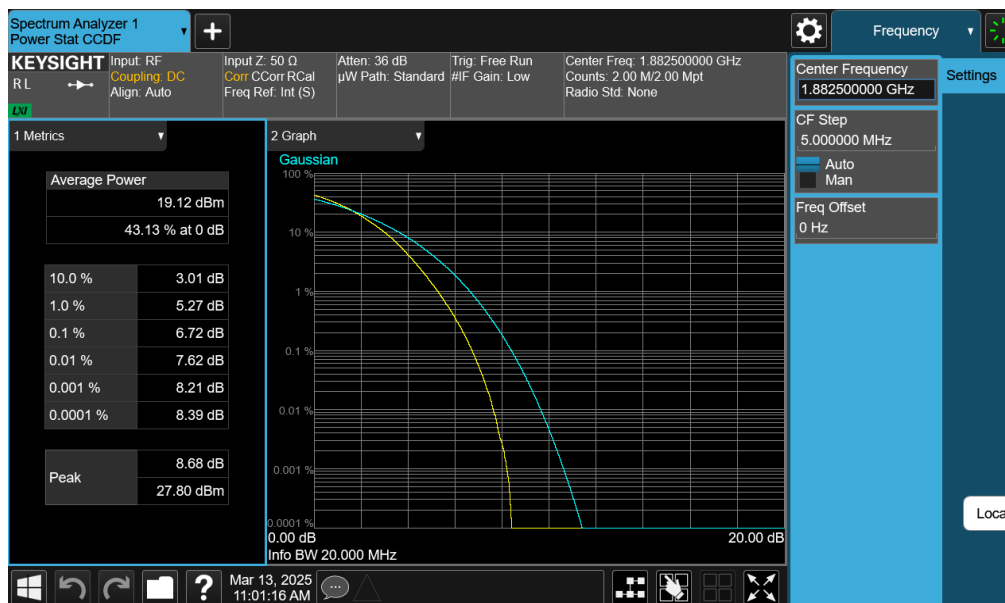
Plot 7-164. PAR Plot (WCDMA, Ch. 9400 - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2 – Ant1



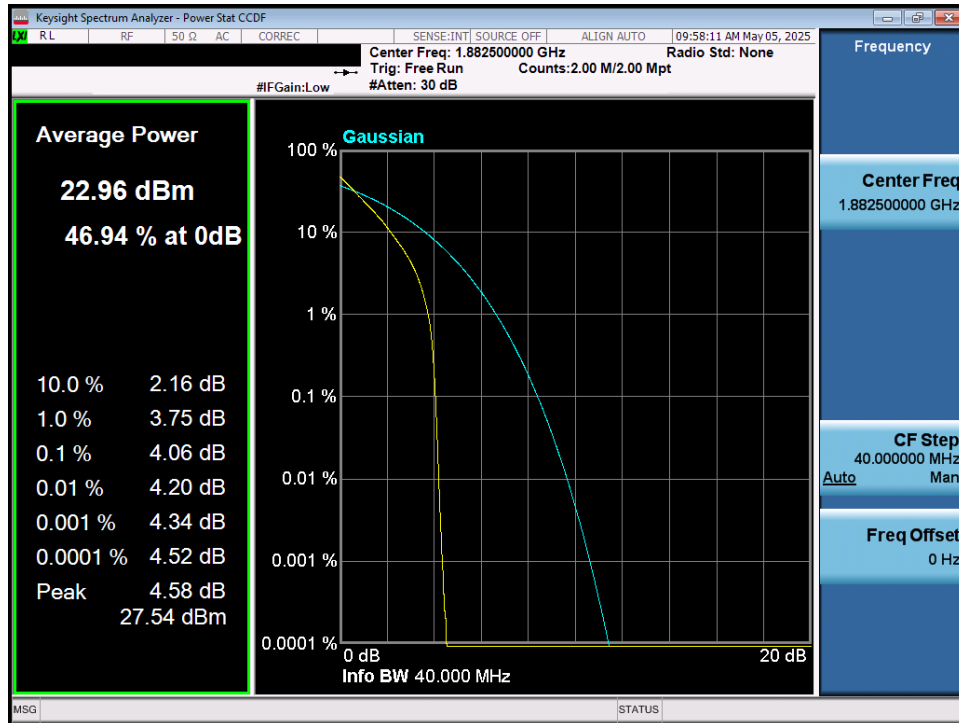
Plot 7-165. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant1)



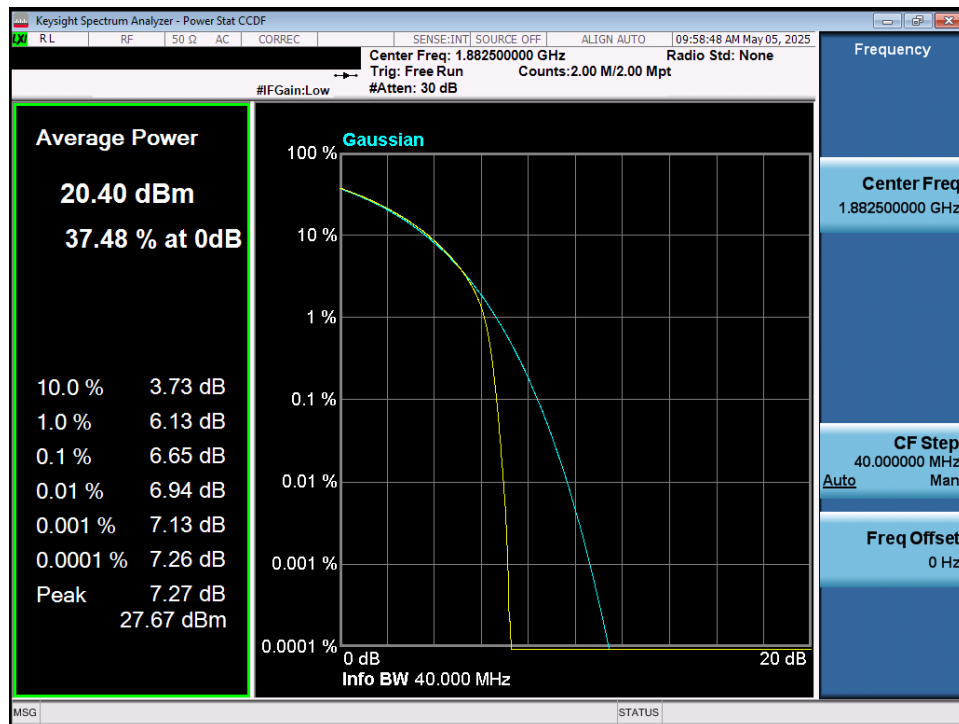
Plot 7-166. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n25/2 – Ant1

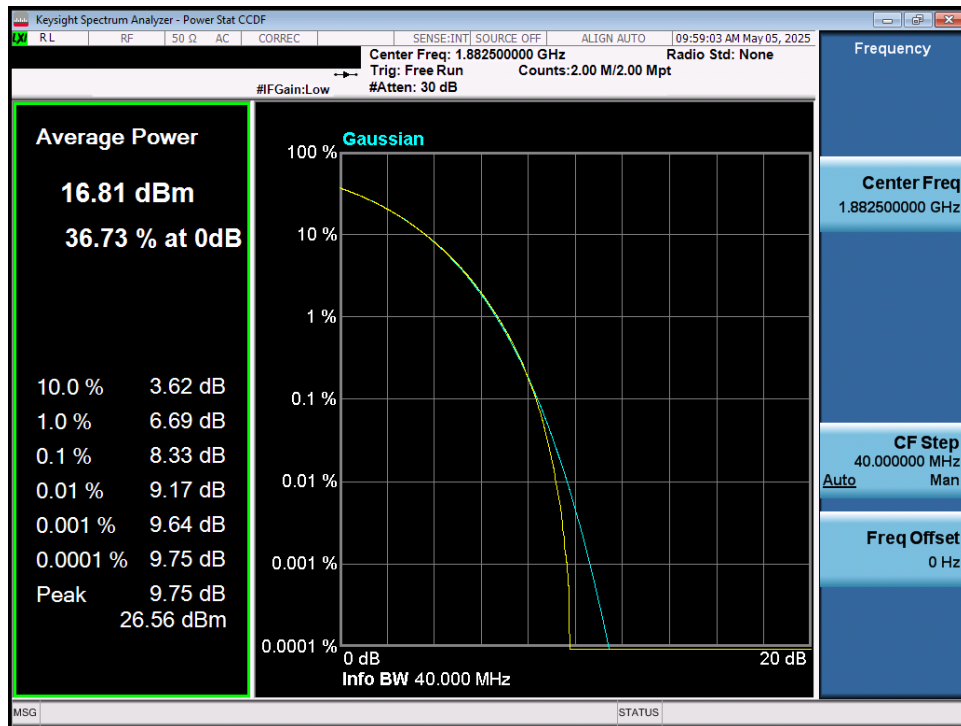


Plot 7-167. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)



Plot 7-168. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-169. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

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Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B25-2	20MHz	QPSK	24.50	4.67	13	-8.33
		256QAM	19.52	6.72	13	-6.28
	15MHz	QPSK	24.38	4.73	13	-8.27
		256QAM	19.58	6.75	13	-6.25
	10MHz	QPSK	24.45	4.68	13	-8.32
		256QAM	19.66	6.73	13	-6.27
	5MHz	QPSK	24.45	4.68	13	-8.32
		256QAM	19.64	6.76	13	-6.24
	3MHz	QPSK	24.46	4.56	13	-8.44
		256QAM	19.65	6.76	13	-6.24
	1.4MHz	QPSK	24.43	4.59	13	-8.41
		256QAM	19.67	6.79	13	-6.21

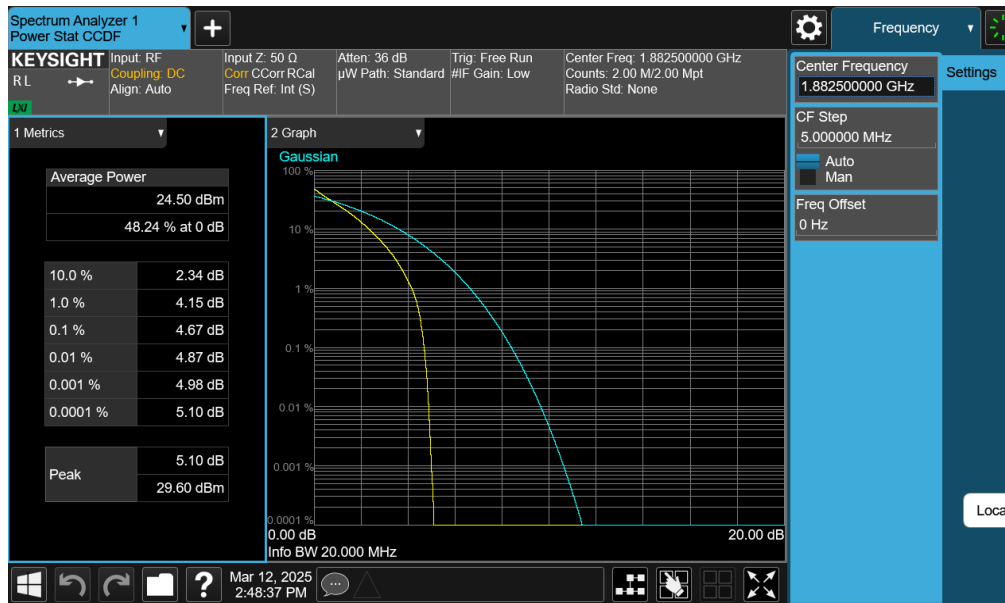
Table 7-14 . Peak-Average Ratio Results – Ant2

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	23.99	4.20	13	-8.80
		QPSK	21.44	7.40	13	-5.60
		256QAM	17.87	8.46	13	-4.54
	35MHz	BPSK	24.05	4.23	13	-8.77
		QPSK	21.48	7.21	13	-5.79
		256QAM	18.00	8.47	13	-4.53
	30MHz	BPSK	24.02	3.92	13	-9.08
		QPSK	21.45	7.44	13	-5.56
		256QAM	18.01	8.44	13	-4.56
	25MHz	BPSK	24.07	4.11	13	-8.89
		QPSK	21.66	7.34	13	-5.66
		256QAM	18.03	8.69	13	-4.31
	20MHz	BPSK	24.10	3.86	13	-9.14
		QPSK	21.52	7.34	13	-5.66
		256QAM	17.97	8.55	13	-4.45
	15MHz	BPSK	24.07	3.85	13	-9.15
		QPSK	21.59	7.23	13	-5.77
		256QAM	18.03	8.45	13	-4.55
	10MHz	BPSK	24.02	3.77	13	-9.23
		QPSK	21.56	7.23	13	-5.77
		256QAM	18.02	8.61	13	-4.39
	5MHz	BPSK	24.07	3.88	13	-9.12
		QPSK	21.62	7.25	13	-5.75
		256QAM	18.05	8.48	13	-4.52

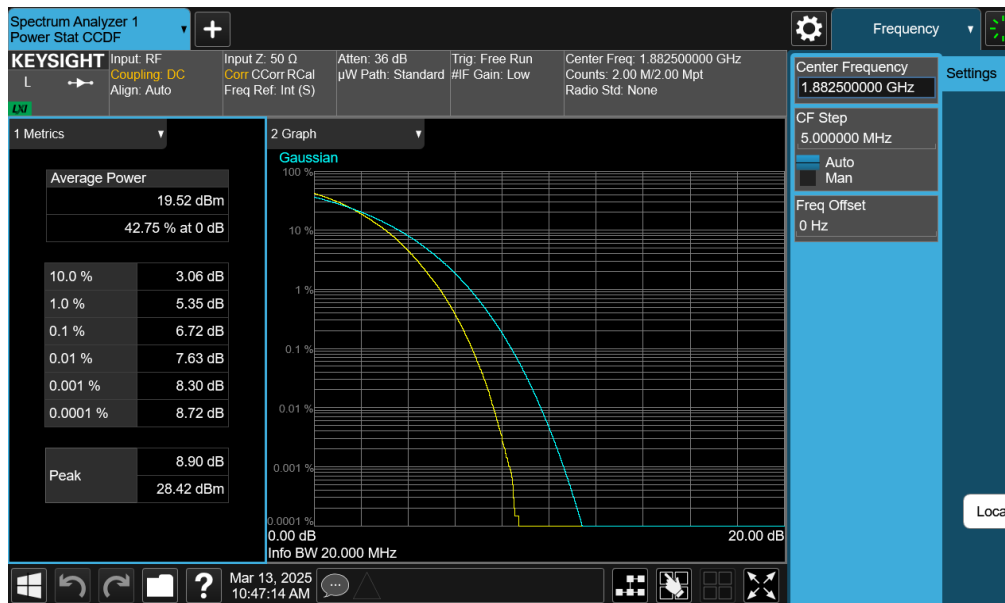
Table 7-15 . Peak-Average Ratio Results – Ant2

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LTE Band 25/2 – Ant2



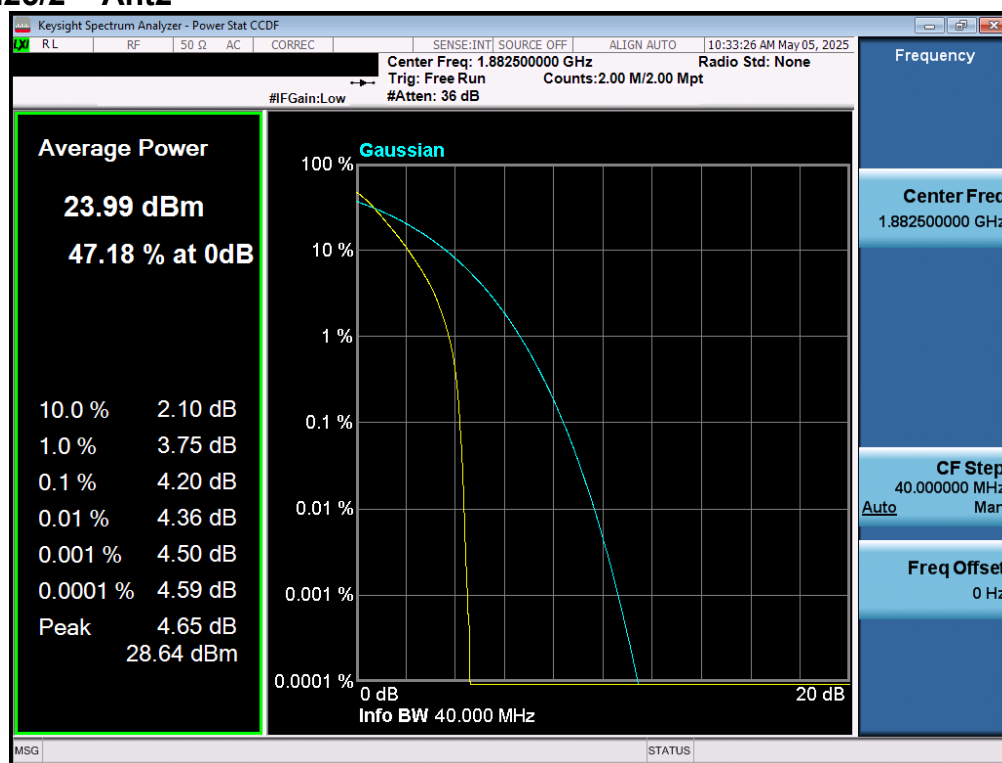
Plot 7-170. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant2)



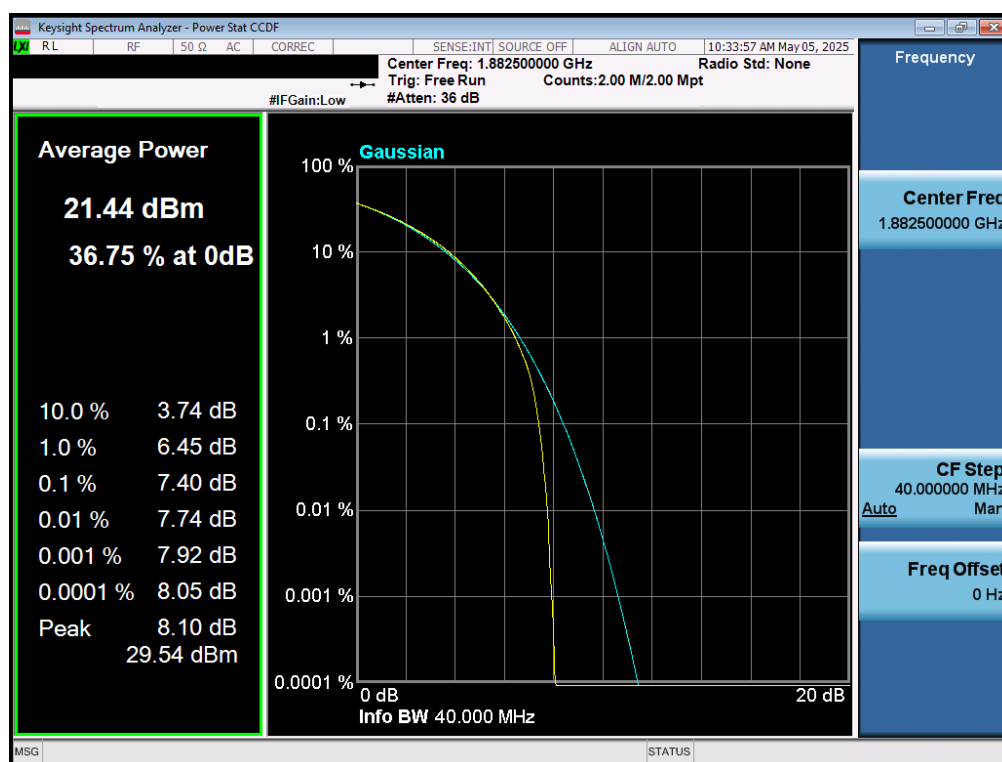
Plot 7-171. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant2)

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NR Band n25/2 – Ant2

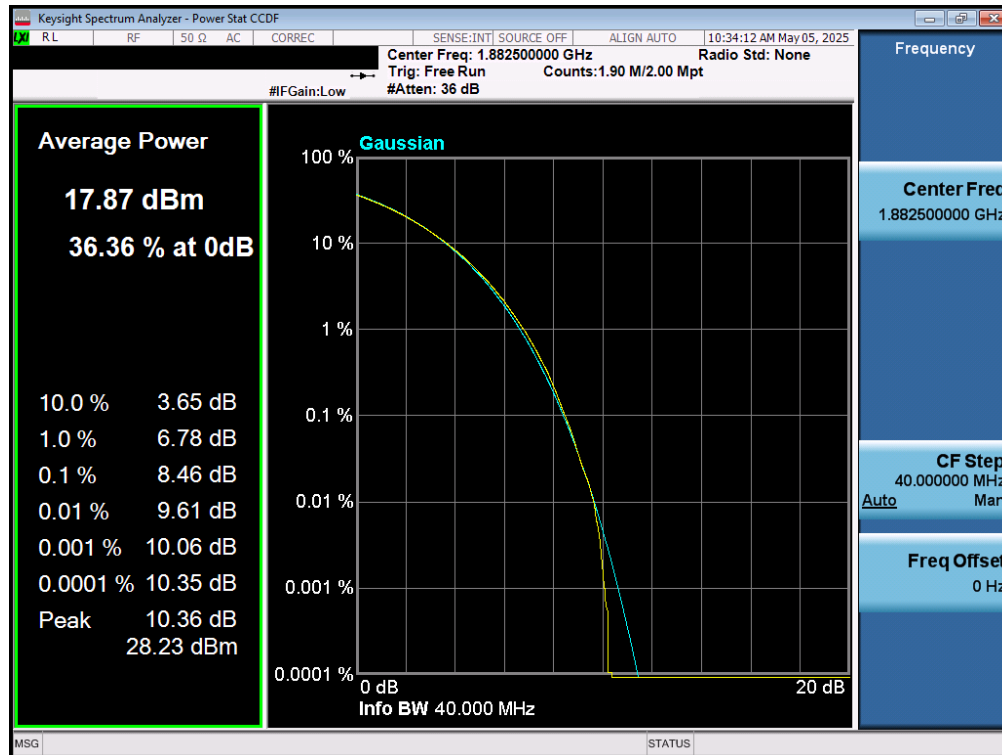


Plot 7-172. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)



Plot 7-173. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT2)

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Plot 7-174. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

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7.7 Radiated Power (EIRP)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements 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

ANSI C63.26-2015 – Section 5.2.4.4

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 $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ 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.

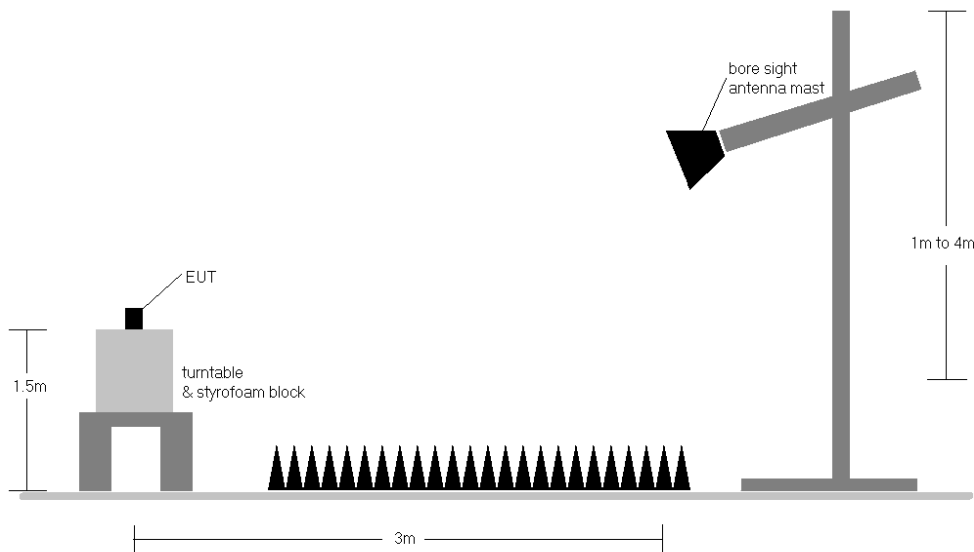


Figure 7-6. Radiated Test Setup >1GHz

Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are 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 powers are 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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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	GSM1900	H	249	149	24.23	2.86	27.09	0.511	33.01	-5.92
1880.00	GSM1900	H	249	134	23.70	2.67	26.37	0.433	33.01	-6.65
1909.80	GSM1900	H	232	147	23.43	2.55	25.98	0.396	33.01	-7.03
1850.20	GSM1900	V	150	67	23.18	2.62	25.80	0.381	33.01	-7.21
1850.20	EDGE1900	H	249	149	19.56	2.86	22.42	0.174	33.01	-10.59
1850.20	GSM1900 (WCP)	H	149	23	24.16	2.86	27.02	0.503	33.01	-5.99

Table 7-16. EIRP Data (GPRS PCS – Ant1)

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	162	136	19.05	2.84	21.89	0.155	33.01	-11.12
1880.00	WCDMA1900	H	152	130	19.26	2.67	21.93	0.156	33.01	-11.09
1907.60	WCDMA1900	H	155	129	17.56	2.54	20.10	0.102	33.01	-12.91
1880.00	WCDMA1900	V	156	190	17.43	2.34	19.77	0.095	33.01	-13.24
1880.00	WCDMA1900 (WCP)	H	145	129	18.74	2.67	21.41	0.138	33.01	-11.61

Table 7-17. EIRP Data (WCDMA PCS – Ant1)

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	1860.00	H	118	219	2.79	1 / 0	17.91	20.70	0.118	33.01	-12.31
	QPSK	1882.50	H	112	196	2.65	1 / 99	18.44	21.09	0.129	33.01	-11.92
	QPSK	1905.00	H	129	229	2.54	1 / 50	18.89	21.43	0.139	33.01	-11.58
	16-QAM	1905.00	H	129	229	2.54	1 / 50	18.17	20.71	0.118	33.01	-12.30
15 MHz	QPSK	1857.50	H	118	219	2.81	1 / 37	17.86	20.67	0.117	33.01	-12.34
	QPSK	1882.50	H	112	196	2.65	1 / 37	18.43	21.08	0.128	33.01	-11.93
	QPSK	1907.50	H	129	229	2.54	1 / 37	18.95	21.49	0.141	33.01	-11.52
	16-QAM	1907.50	H	129	229	2.54	1 / 37	18.04	20.59	0.115	33.01	-12.42
10 MHz	QPSK	1855.00	H	118	219	2.82	1 / 25	17.74	20.56	0.114	33.01	-12.45
	QPSK	1882.50	H	112	196	2.65	1 / 25	18.36	21.01	0.126	33.01	-12.00
	QPSK	1910.00	H	129	229	2.55	1 / 49	18.85	21.40	0.138	33.01	-11.61
	16-QAM	1910.00	H	129	229	2.55	1 / 49	18.03	20.58	0.114	33.01	-12.43
5 MHz	QPSK	1852.50	H	118	219	2.84	1 / 24	17.73	20.57	0.114	33.01	-12.44
	QPSK	1882.50	H	112	196	2.65	1 / 0	18.37	21.02	0.126	33.01	-11.99
	QPSK	1912.50	H	129	229	2.55	1 / 0	18.90	21.44	0.139	33.01	-11.57
	16-QAM	1912.50	H	129	229	2.55	1 / 0	18.05	20.60	0.115	33.01	-12.41
3 MHz	QPSK	1851.50	H	118	219	2.85	1 / 7	17.59	20.43	0.111	33.01	-12.58
	QPSK	1882.50	H	112	196	2.65	1 / 7	18.31	20.96	0.125	33.01	-12.05
	QPSK	1913.50	H	129	229	2.55	1 / 7	18.75	21.30	0.135	33.01	-11.71
	16-QAM	1913.50	H	129	229	2.55	1 / 7	18.09	20.64	0.116	33.01	-12.37
1.4 MHz	QPSK	1850.70	H	118	219	2.85	1 / 0	17.49	20.35	0.108	33.01	-12.66
	QPSK	1882.50	H	112	196	2.65	1 / 5	18.22	20.87	0.122	33.01	-12.14
	QPSK	1914.30	H	129	229	2.55	1 / 3	18.54	21.09	0.128	33.01	-11.92
	16-QAM	1914.30	H	129	229	2.55	1 / 3	17.85	20.40	0.110	33.01	-12.61
20 MHz	Opposite Pol.	1905.00	V	130	270	2.43	1 / 50	18.73	21.16	0.131	33.01	-11.85
	WCP	1905.00	H	129	229	2.54	1 / 50	17.39	19.93	0.098	33.01	-13.08

Table 7-18. EIRP Data (LTE Band 25/2 – Ant1)

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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]
40 MHz	$\pi/2$ BPSK	1870.00	H	201	151	2.73	1 / 1	18.54	21.27	0.134	33.01	-11.74
	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 1	18.76	21.41	0.138	33.01	-11.60
	$\pi/2$ BPSK	1895.00	H	194	149	2.57	1 / 108	17.01	19.58	0.091	33.01	-13.43
	QPSK	1870.00	H	201	151	2.73	1 / 1	19.74	22.47	0.177	33.01	-10.54
	QPSK	1882.50	H	198	149	2.65	1 / 1	19.76	22.41	0.174	33.01	-10.60
	QPSK	1895.00	H	194	149	2.57	1 / 108	18.05	20.62	0.115	33.01	-12.39
35 MHz	16-QAM	1870.00	H	201	151	2.73	1 / 1	18.70	21.43	0.139	33.01	-11.58
	$\pi/2$ BPSK	1867.50	H	201	151	2.76	1 / 158	18.51	21.27	0.134	33.01	-11.74
	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 158	18.76	21.41	0.138	33.01	-11.60
	$\pi/2$ BPSK	1897.50	H	194	149	2.54	1 / 80	17.04	19.58	0.091	33.01	-13.43
	QPSK	1867.50	H	201	151	2.76	1 / 158	19.71	22.47	0.177	33.01	-10.54
	QPSK	1882.50	H	198	149	2.65	1 / 80	19.76	22.41	0.174	33.01	-10.60
30 MHz	QPSK	1897.50	H	194	149	2.54	1 / 80	18.08	20.62	0.115	33.01	-12.39
	16-QAM	1867.50	H	201	151	2.76	1 / 1	18.67	21.43	0.139	33.01	-11.58
	$\pi/2$ BPSK	1865.00	H	201	151	2.76	1 / 158	18.35	21.11	0.129	33.01	-11.90
	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 158	18.72	21.37	0.137	33.01	-11.64
	$\pi/2$ BPSK	1900.00	H	194	149	2.54	1 / 1	17.11	19.65	0.092	33.01	-13.36
	QPSK	1865.00	H	201	151	2.76	1 / 158	19.60	22.36	0.172	33.01	-10.65
25 MHz	QPSK	1882.50	H	198	149	2.65	1 / 158	19.78	22.43	0.175	33.01	-10.58
	QPSK	1900.00	H	194	149	2.54	1 / 1	18.07	20.61	0.115	33.01	-12.40
	16-QAM	1865.00	H	201	151	2.76	1 / 1	18.77	21.53	0.142	33.01	-11.48
	$\pi/2$ BPSK	1862.50	H	201	151	2.78	1 / 131	18.20	20.98	0.125	33.01	-12.03
	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 66	18.75	21.40	0.138	33.01	-11.61
	$\pi/2$ BPSK	1902.50	H	194	149	2.54	1 / 66	17.09	19.63	0.092	33.01	-13.38
20 MHz	QPSK	1862.50	H	201	151	2.78	1 / 131	19.36	22.14	0.164	33.01	-10.87
	QPSK	1882.50	H	198	149	2.65	1 / 131	19.80	22.45	0.176	33.01	-10.56
	QPSK	1902.50	H	194	149	2.54	1 / 1	18.07	20.61	0.115	33.01	-12.40
	16-QAM	1862.50	H	201	151	2.78	1 / 1	18.73	21.51	0.142	33.01	-11.50
	$\pi/2$ BPSK	1860.00	H	201	151	2.79	1 / 104	17.87	20.66	0.116	33.01	-12.35
	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 53	18.62	21.27	0.134	33.01	-11.74
15 MHz	$\pi/2$ BPSK	1905.00	H	194	149	2.54	1 / 1	16.94	19.48	0.089	33.01	-13.53
	QPSK	1860.00	H	201	151	2.79	1 / 104	19.07	21.86	0.153	33.01	-11.15
	QPSK	1882.50	H	198	149	2.65	1 / 104	19.64	22.29	0.169	33.01	-10.72
	QPSK	1905.00	H	194	149	2.54	1 / 1	17.94	20.48	0.112	33.01	-12.53
	16-QAM	1860.00	H	201	151	2.79	1 / 1	18.55	21.34	0.136	33.01	-11.67
	$\pi/2$ BPSK	1857.50	H	201	151	2.81	1 / 1	17.79	20.60	0.115	33.01	-12.41
10 MHz	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 39	18.56	21.21	0.132	33.01	-11.80
	$\pi/2$ BPSK	1907.50	H	194	149	2.54	1 / 1	16.90	19.44	0.088	33.01	-13.57
	QPSK	1857.50	H	201	151	2.81	1 / 1	19.09	21.90	0.155	33.01	-11.11
	QPSK	1882.50	H	198	149	2.65	1 / 77	19.64	22.29	0.169	33.01	-10.72
	QPSK	1907.50	H	194	149	2.54	1 / 1	17.87	20.41	0.110	33.01	-12.60
	16-QAM	1857.50	H	201	151	2.81	1 / 1	18.67	21.48	0.141	33.01	-11.53
5 MHz	$\pi/2$ BPSK	1855.00	H	201	151	2.82	1 / 1	17.81	20.64	0.116	33.01	-12.37
	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 26	18.53	21.18	0.131	33.01	-11.83
	$\pi/2$ BPSK	1910.00	H	194	149	2.55	1 / 50	16.82	19.37	0.087	33.01	-13.64
	QPSK	1855.00	H	201	151	2.82	1 / 1	19.05	21.88	0.154	33.01	-11.13
	QPSK	1882.50	H	198	149	2.65	1 / 26	19.62	22.27	0.169	33.01	-10.74
	QPSK	1910.00	H	194	149	2.55	1 / 50	17.79	20.34	0.108	33.01	-12.67
40 MHz	16-QAM	1882.50	H	198	149	2.65	1 / 1	18.82	21.47	0.140	33.01	-11.54
	$\pi/2$ BPSK	1852.50	H	201	151	2.84	1 / 1	17.85	20.69	0.117	33.01	-12.32
	$\pi/2$ BPSK	1882.50	H	198	149	2.65	1 / 1	18.60	21.25	0.133	33.01	-11.76
	$\pi/2$ BPSK	1912.50	H	194	149	2.55	1 / 1	16.78	19.33	0.086	33.01	-13.68
	QPSK	1852.50	H	201	151	2.84	1 / 1	19.12	21.96	0.157	33.01	-11.05
	QPSK	1882.50	H	198	149	2.65	1 / 1	19.74	22.39	0.173	33.01	-10.62
40 MHz	QPSK	1912.50	H	194	149	2.55	1 / 1	17.82	20.37	0.109	33.01	-12.64
	16-QAM	1852.50	H	201	151	2.84	1 / 1	18.58	21.42	0.139	33.01	-11.59
	QPSK (CP-OFDM)	1870.00	H	200	147	2.65	1 / 1	17.91	20.56	0.114	33.01	-12.45
40 MHz	QPSK (Opposite Pol.)	1870.00	V	127	208	2.43	1 / 214	18.73	21.16	0.131	33.01	-11.85
	QPSK (WCP)	1870.00	H	200	147	2.65	1 / 1	17.05	19.70	0.093	33.01	-13.31

Table 7-19. EIRP Data (NR Band n25/2 – Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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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	1860.00	H	156	36	2.79	1 / 99	20.89	23.68	0.233	33.01	-9.33
	QPSK	1882.50	H	159	45	2.65	1 / 50	21.94	24.59	0.288	33.01	-8.42
	QPSK	1905.00	H	149	46	2.54	1 / 0	21.16	23.70	0.235	33.01	-9.31
	16-QAM	1882.50	H	159	45	2.65	1 / 50	21.10	23.75	0.237	33.01	-9.26
15 MHz	QPSK	1857.50	H	156	36	2.81	1 / 74	20.84	23.65	0.232	33.01	-9.36
	QPSK	1882.50	H	159	45	2.65	1 / 37	21.98	24.63	0.290	33.01	-8.38
	QPSK	1907.50	H	149	46	2.54	1 / 74	21.29	23.84	0.242	33.01	-9.17
	16-QAM	1882.50	H	159	45	2.65	1 / 37	20.66	23.31	0.214	33.01	-9.70
10 MHz	QPSK	1855.00	H	156	36	2.82	1 / 25	20.82	23.64	0.231	33.01	-9.37
	QPSK	1882.50	H	159	45	2.65	1 / 25	21.93	24.58	0.287	33.01	-8.43
	QPSK	1910.00	H	149	46	2.55	1 / 25	21.41	23.96	0.249	33.01	-9.05
	16-QAM	1882.50	H	159	45	2.65	1 / 25	20.98	23.63	0.230	33.01	-9.39
5 MHz	QPSK	1852.50	H	156	36	2.84	1 / 12	20.82	23.66	0.232	33.01	-9.35
	QPSK	1882.50	H	159	45	2.65	1 / 12	21.97	24.62	0.290	33.01	-8.39
	QPSK	1912.50	H	149	46	2.55	1 / 12	21.35	23.90	0.246	33.01	-9.11
	16-QAM	1882.50	H	159	45	2.65	1 / 12	21.07	23.72	0.236	33.01	-9.29
3 MHz	QPSK	1851.50	H	156	36	2.85	1 / 7	20.85	23.70	0.234	33.01	-9.31
	QPSK	1882.50	H	159	45	2.65	1 / 7	21.99	24.64	0.291	33.01	-8.37
	QPSK	1913.50	H	149	46	2.55	1 / 7	21.42	23.97	0.249	33.01	-9.04
	16-QAM	1882.50	H	159	45	2.65	1 / 7	21.05	23.70	0.235	33.01	-9.31
1.4 MHz	QPSK	1850.70	H	156	36	2.85	1 / 5	20.72	23.58	0.228	33.01	-9.43
	QPSK	1882.50	H	159	45	2.65	1 / 5	21.95	24.60	0.288	33.01	-8.41
	QPSK	1914.30	H	149	46	2.55	1 / 5	21.23	23.78	0.239	33.01	-9.23
	16-QAM	1882.50	H	159	45	2.65	1 / 5	20.75	23.40	0.219	33.01	-9.61
20 MHz	Opposite Pol.	1882.50	V	329	76	2.65	1 / 0	19.95	22.60	0.182	33.01	-10.41
	WCP	1882.50	H	156	40	2.65	1 / 99	21.55	24.20	0.263	33.01	-8.81

Table 7-20. EIRP Data (LTE Band 25/2 – Ant2)

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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]
40 MHz	$\pi/2$ BPSK	1870.00	H	150	32	2.73	1 / 214	19.99	22.72	0.187	33.01	-10.29
	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 108	20.32	22.97	0.198	33.01	-10.04
	$\pi/2$ BPSK	1895.00	H	153	32	2.57	1 / 1	20.38	22.95	0.197	33.01	-10.06
	QPSK	1870.00	H	150	32	2.73	1 / 214	19.94	22.67	0.185	33.01	-10.34
	QPSK	1882.50	H	153	35	2.65	1 / 108	20.41	23.06	0.202	33.01	-9.95
	QPSK	1895.00	H	153	32	2.57	1 / 1	20.42	22.99	0.199	33.01	-10.02
35 MHz	16-QAM	1882.50	H	153	35	2.65	1 / 108	19.49	22.14	0.164	33.01	-10.87
	$\pi/2$ BPSK	1867.50	H	150	32	2.76	1 / 94	19.96	22.72	0.187	33.01	-10.29
	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 94	20.17	22.82	0.191	33.01	-10.19
	$\pi/2$ BPSK	1897.50	H	153	32	2.54	1 / 94	20.23	22.77	0.189	33.01	-10.24
	QPSK	1867.50	H	150	32	2.76	1 / 94	20.02	22.78	0.190	33.01	-10.23
	QPSK	1882.50	H	153	35	2.65	1 / 94	20.34	22.99	0.199	33.01	-10.02
30 MHz	QPSK	1897.50	H	153	32	2.54	1 / 94	20.27	22.81	0.191	33.01	-10.20
	16-QAM	1867.50	H	150	32	2.76	1 / 94	19.21	21.97	0.158	33.01	-11.04
	$\pi/2$ BPSK	1865.00	H	150	32	2.76	1 / 1	19.97	22.73	0.187	33.01	-10.28
	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 158	20.29	22.94	0.197	33.01	-10.08
	$\pi/2$ BPSK	1900.00	H	153	32	2.54	1 / 158	20.40	22.94	0.197	33.01	-10.07
	QPSK	1865.00	H	150	32	2.76	1 / 158	20.04	22.80	0.190	33.01	-10.21
25 MHz	QPSK	1882.50	H	153	35	2.65	1 / 158	20.38	23.03	0.201	33.01	-9.98
	QPSK	1900.00	H	153	32	2.54	1 / 158	20.48	23.02	0.200	33.01	-10.00
	16-QAM	1882.50	H	153	35	2.65	1 / 158	19.69	22.34	0.172	33.01	-10.67
	$\pi/2$ BPSK	1862.50	H	150	32	2.78	1 / 131	19.96	22.73	0.188	33.01	-10.28
	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 131	20.30	22.95	0.197	33.01	-10.06
	$\pi/2$ BPSK	1902.50	H	153	32	2.54	1 / 1	20.38	22.92	0.196	33.01	-10.09
20 MHz	QPSK	1862.50	H	150	32	2.78	1 / 131	20.07	22.85	0.193	33.01	-10.16
	QPSK	1882.50	H	153	35	2.65	1 / 131	20.51	23.16	0.207	33.01	-9.85
	QPSK	1902.50	H	153	32	2.54	1 / 1	20.24	22.78	0.190	33.01	-10.23
	16-QAM	1882.50	H	153	35	2.65	1 / 131	19.38	22.02	0.159	33.01	-10.99
	$\pi/2$ BPSK	1860.00	H	150	32	2.79	1 / 104	19.83	22.63	0.183	33.01	-10.38
	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 104	20.20	22.85	0.193	33.01	-10.16
15 MHz	$\pi/2$ BPSK	1905.00	H	153	32	2.54	1 / 104	20.36	22.90	0.195	33.01	-10.11
	QPSK	1860.00	H	150	32	2.79	1 / 104	19.92	22.72	0.187	33.01	-10.29
	QPSK	1882.50	H	153	35	2.65	1 / 104	20.33	22.98	0.199	33.01	-10.03
	QPSK	1905.00	H	153	32	2.54	1 / 104	20.40	22.94	0.197	33.01	-10.07
	16-QAM	1882.50	H	153	35	2.65	1 / 104	19.33	21.98	0.158	33.01	-11.04
	$\pi/2$ BPSK	1857.50	H	150	32	2.81	1 / 1	19.82	22.63	0.183	33.01	-10.38
10 MHz	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 1	20.32	22.97	0.198	33.01	-10.04
	$\pi/2$ BPSK	1907.50	H	153	32	2.54	1 / 1	20.37	22.91	0.195	33.01	-10.10
	QPSK	1857.50	H	150	32	2.81	1 / 1	20.02	22.83	0.192	33.01	-10.18
	QPSK	1882.50	H	153	35	2.65	1 / 1	20.50	23.15	0.206	33.01	-9.86
	QPSK	1907.50	H	153	32	2.54	1 / 1	20.35	22.90	0.195	33.01	-10.11
	16-QAM	1882.50	H	153	35	2.65	1 / 1	19.47	22.12	0.163	33.01	-10.90
5 MHz	$\pi/2$ BPSK	1855.00	H	150	32	2.82	1 / 26	19.84	22.67	0.185	33.01	-10.34
	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 1	20.24	22.89	0.194	33.01	-10.12
	$\pi/2$ BPSK	1910.00	H	153	32	2.55	1 / 50	20.34	22.89	0.194	33.01	-10.12
	QPSK	1855.00	H	150	32	2.82	1 / 26	19.63	22.45	0.176	33.01	-10.56
	QPSK	1882.50	H	153	35	2.65	1 / 1	20.37	23.02	0.201	33.01	-9.99
	QPSK	1910.00	H	153	32	2.55	1 / 50	20.41	22.96	0.197	33.01	-10.06
40 MHz	16-QAM	1910.00	H	153	32	2.55	1 / 50	19.50	22.05	0.160	33.01	-10.96
	$\pi/2$ BPSK	1852.50	H	150	32	2.84	1 / 23	19.86	22.70	0.186	33.01	-10.31
	$\pi/2$ BPSK	1882.50	H	153	35	2.65	1 / 23	20.32	22.97	0.198	33.01	-10.04
	$\pi/2$ BPSK	1912.50	H	153	32	2.55	1 / 23	20.34	22.89	0.194	33.01	-10.12
	QPSK	1852.50	H	150	32	2.84	1 / 23	19.57	22.41	0.174	33.01	-10.60
	QPSK	1882.50	H	153	35	2.65	1 / 23	20.30	22.95	0.197	33.01	-10.06
40 MHz	QPSK	1912.50	H	153	32	2.55	1 / 23	20.34	22.89	0.194	33.01	-10.12
	16-QAM	1882.50	H	153	35	2.65	1 / 23	19.79	22.44	0.175	33.01	-10.57
	QPSK (CP-OFDM)	1882.50	H	153	32	2.65	1 / 1	19.48	22.13	0.163	33.01	-10.88
40 MHz	QPSK (Opposite Pol.)	1882.50	V	270	83	2.32	1 / 108	19.47	21.79	0.151	33.01	-11.22
	QPSK (WCP)	1882.50	H	150	36	2.65	1 / 1	20.48	23.13	0.206	33.01	-9.88

Table 7-21. EIRP Data (NR Band n25/2 – Ant2)

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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 ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) 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

ANSI C63.26-2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ 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.

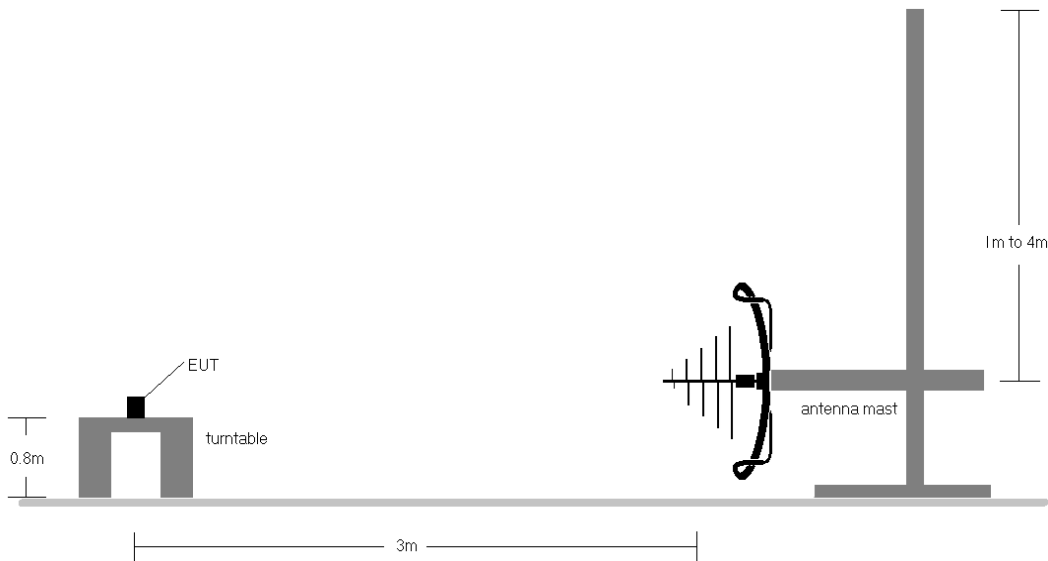


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

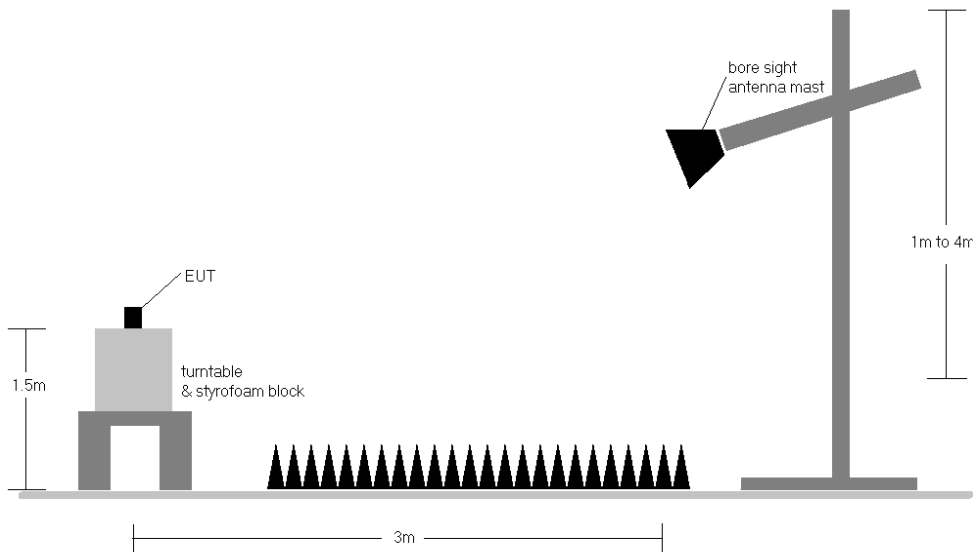


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

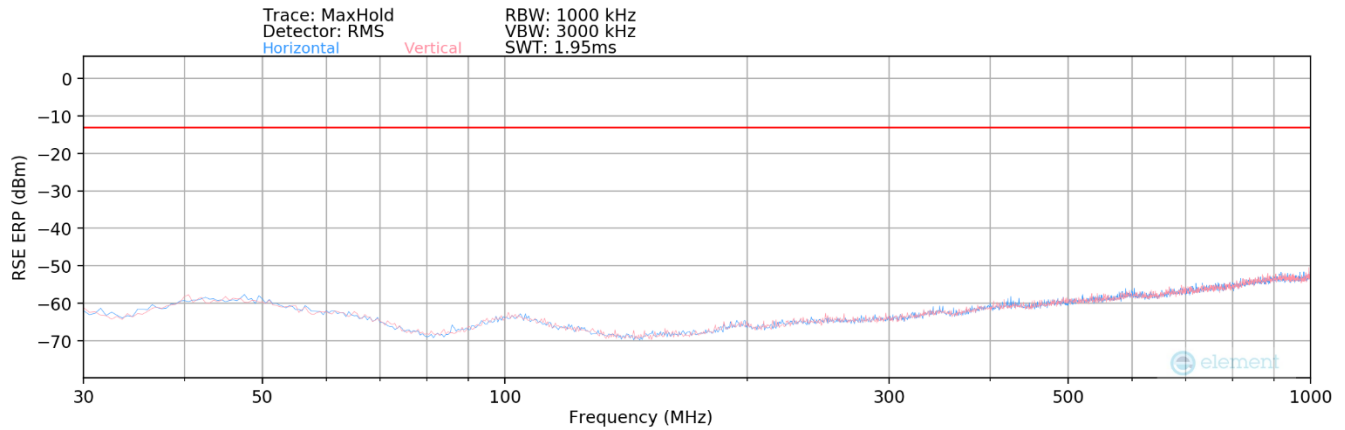
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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 are 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 powers are 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 are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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GSM/GPRS PCS – Ant1

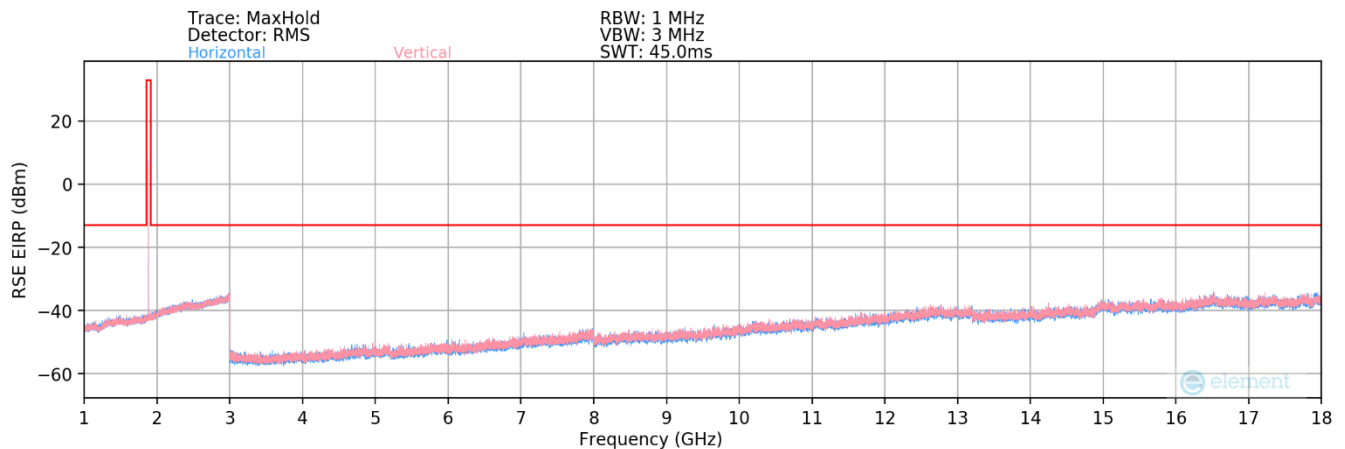


Plot 7-175. Radiated Spurious Plot (GPRS PCS - Ant1)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
100.00	H	-	-	-59.64	-13.67	33.69	-63.72	-13.00	-50.72
250.00	H	-	-	-63.53	-12.06	31.41	-66.00	-13.00	-53.00
710.00	H	112	358	-60.12	-3.37	43.51	-53.90	-13.00	-40.90
850.00	H	-	-	-67.76	-1.28	37.96	-59.45	-13.00	-46.45

Table 7-22. Radiated Spurious Data (GPRS PCS – Ant1)



Plot 7-176. Radiated Spurious Plot (GPRS PCS - Ant1)

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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	H	-	-	-69.99	7.66	44.67	-50.59	-13.00	-37.59
5550.60	H	-	-	-72.00	11.43	46.43	-48.83	-13.00	-35.83
7400.80	H	-	-	-72.36	14.96	49.60	-45.66	-13.00	-32.66

Table 7-23. Radiated Spurious Data (GPRS PCS – Low Channel - Ant1)

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	H	-	-	-69.52	7.88	45.36	-49.90	-13.00	-36.90
5640.00	H	-	-	-71.62	11.47	46.85	-48.40	-13.00	-35.40
7520.00	H	-	-	-72.58	15.55	49.97	-45.29	-13.00	-32.29

Table 7-24. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant1)

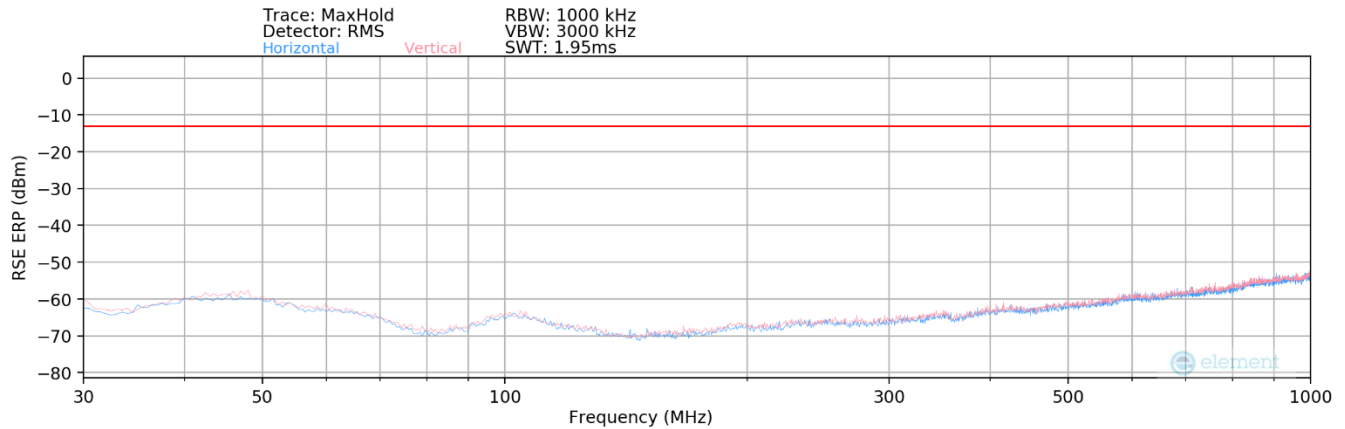
Channel:	810
Frequency (MHz):	1909.8

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	H	-	-	-70.40	7.90	44.50	-50.76	-13.00	-37.76
5729.40	H	-	-	-71.36	11.62	47.26	-47.99	-13.00	-34.99
7639.20	H	-	-	-72.26	15.73	50.47	-44.79	-13.00	-31.79

Table 7-25. Radiated Spurious Data (GPRS PCS – High Channel - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA PCS – Ant1

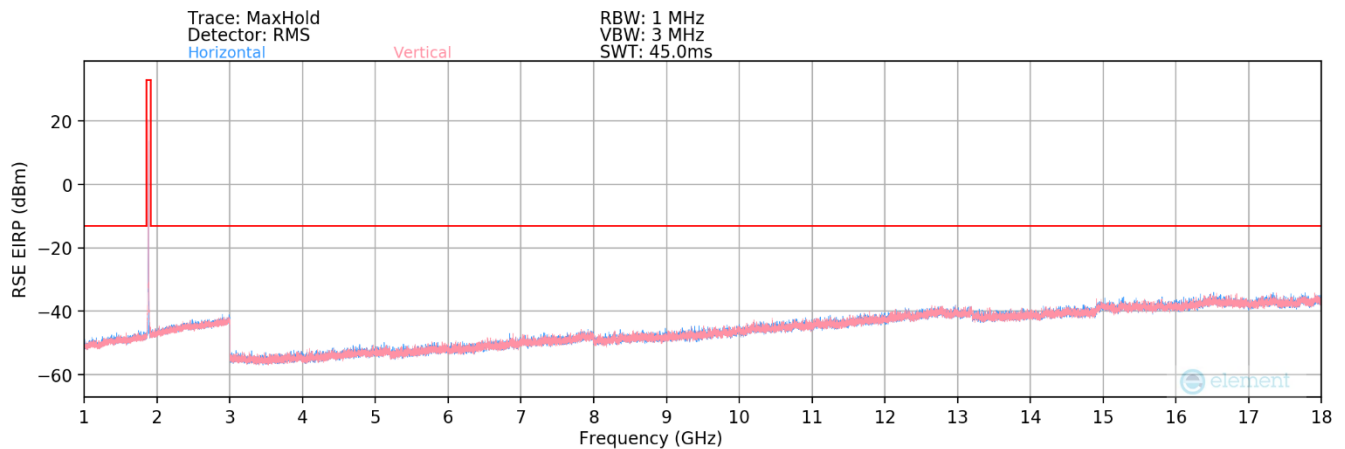


Plot 7-177. Radiated Spurious Plot (WCDMA PCS - Ant1)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
250.00	H	-	-	-63.57	-12.06	31.37	-66.04	-13.00	-53.04

Table 7-26. Radiated Spurious Data (WCDMA PCS – Ant1)



Plot 7-178. Radiated Spurious Plot (WCDMA PCS - Ant1)

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	H	-	-	-70.04	7.65	44.61	-50.65	-13.00	-37.65
5557.20	H	-	-	-71.19	11.41	47.22	-48.04	-13.00	-35.04
7409.60	H	-	-	-72.16	15.01	49.85	-45.41	-13.00	-32.41

Table 7-27. Radiated Spurious Data (WCDMA PCS – Low Channel - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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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	H	-	-	-69.56	7.88	45.32	-49.94	-13.00	-36.94
5640.00	H	-	-	-71.79	11.47	46.68	-48.57	-13.00	-35.57
7520.00	H	-	-	-72.78	15.55	49.77	-45.49	-13.00	-32.49

Table 7-28. Radiated Spurious Data (WCDMA PCS – Mid Channel - Ant1)

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	H	-	-	-70.51	7.99	44.48	-50.78	-13.00	-37.78
5722.80	H	-	-	-71.53	11.49	46.96	-48.29	-13.00	-35.29
7630.40	H	-	-	-73.35	15.70	49.35	-45.90	-13.00	-32.90

Table 7-29. Radiated Spurious Data (WCDMA PCS – High Channel - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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