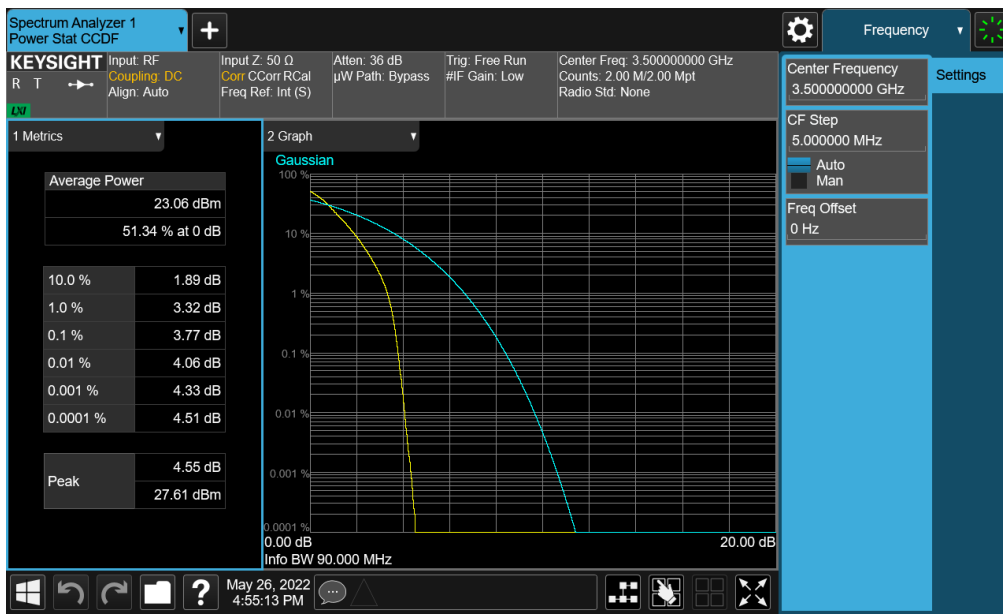
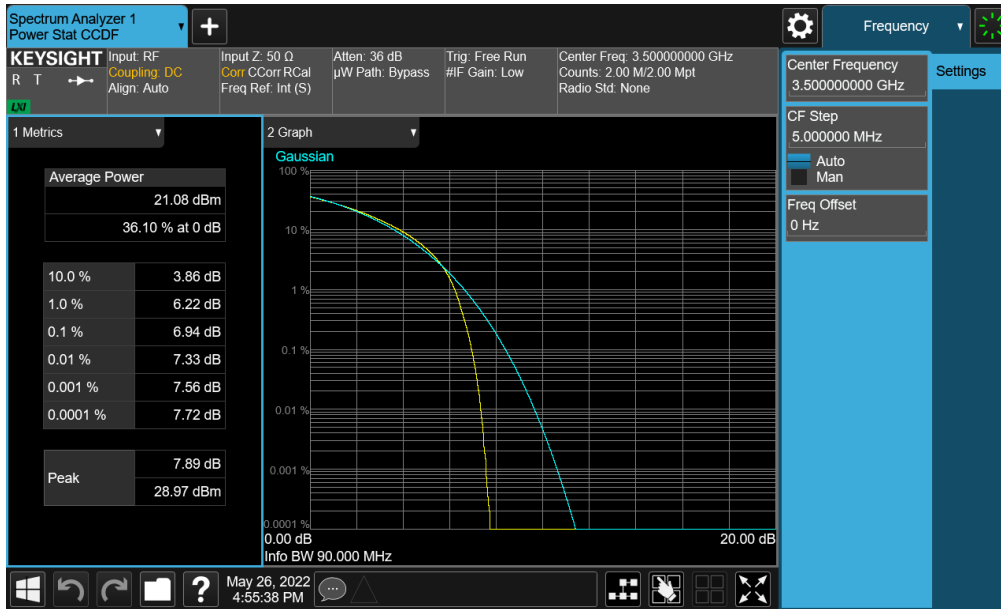


Plot 7-396. PAR Plot (NR Band n77 (DoD) - 100MHz CP-OFDM 256-QAM - Full RB - Ant E)

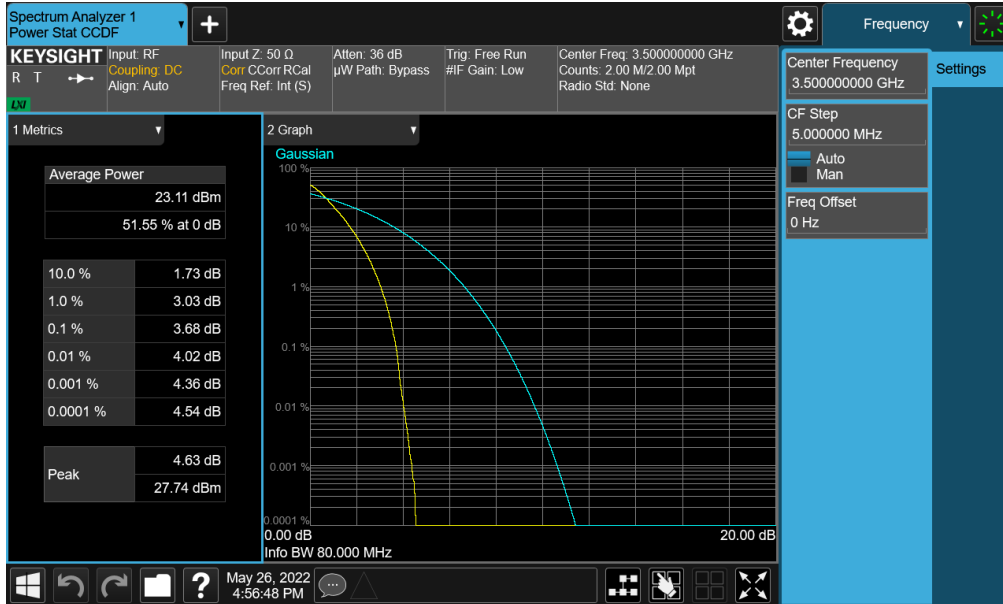


Plot 7-397. PAR Plot (NR Band n77 (DoD) - 90MHz DFT-s-OFDM BPSK - Full RB - Ant E)

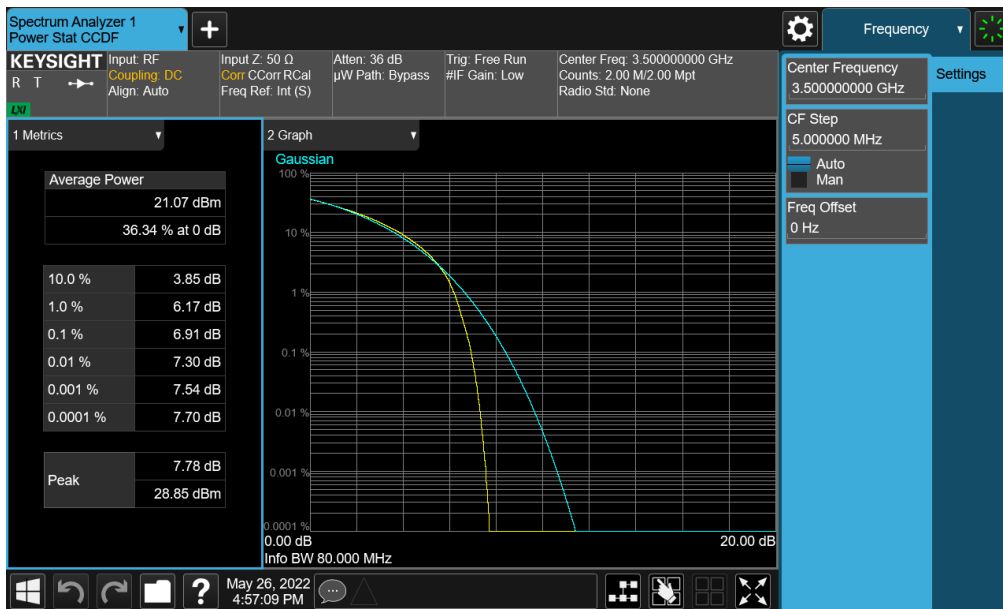
FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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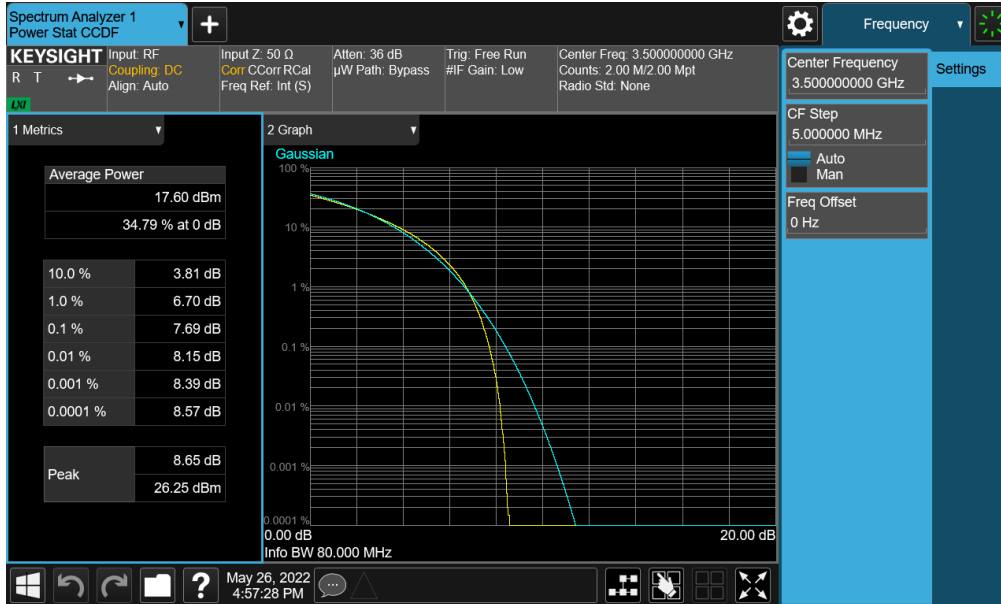


Plot 7-400. PAR Plot (NR Band n77 (DoD) - 80MHz DFT-s-OFDM BPSK - Full RB - Ant E)

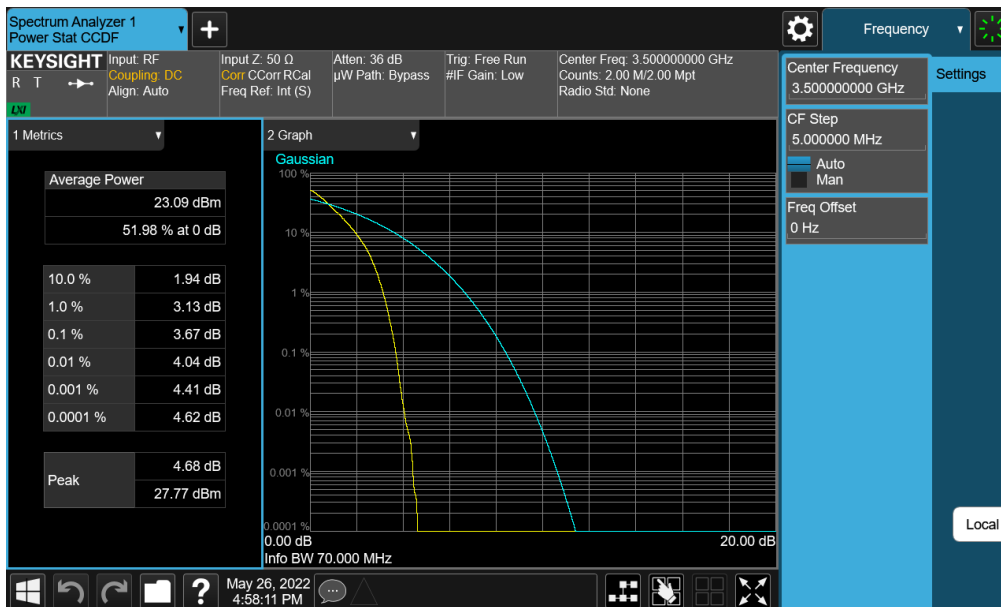


Plot 7-401. PAR Plot (NR Band n77 (DoD) - 80MHz CP-OFDM QPSK - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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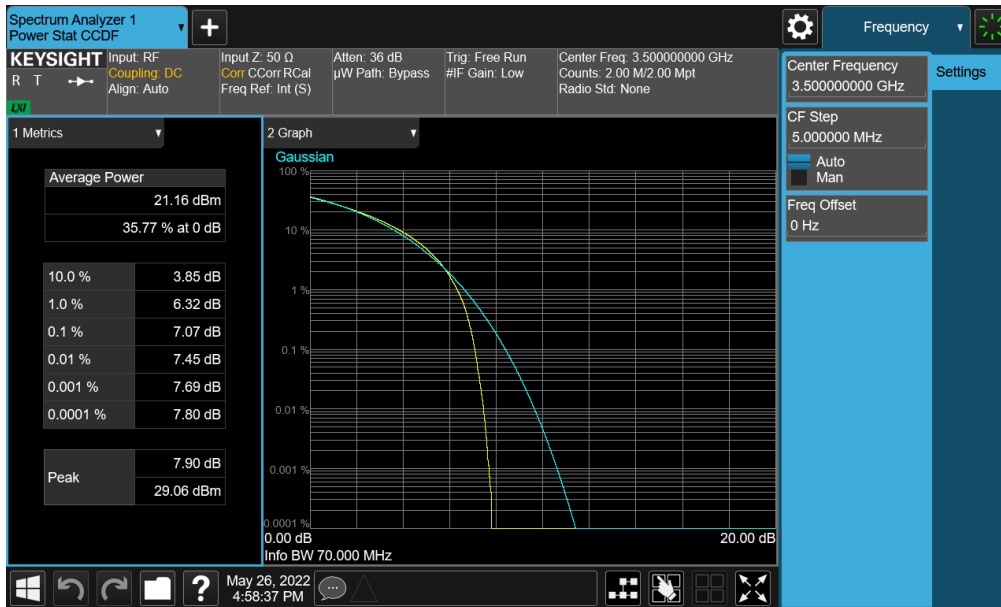


Plot 7-402. PAR Plot (NR Band n77 (DoD) - 80MHz CP-OFDM 256-QAM - Full RB - Ant E)

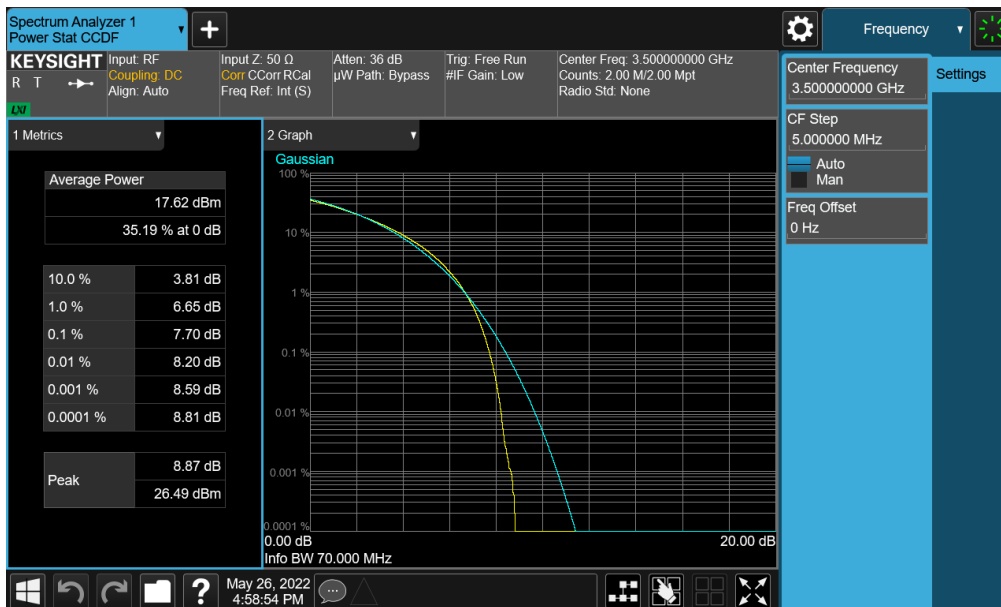


Plot 7-403. PAR Plot (NR Band n77 (DoD) - 70MHz DFT-s-OFDM BPSK - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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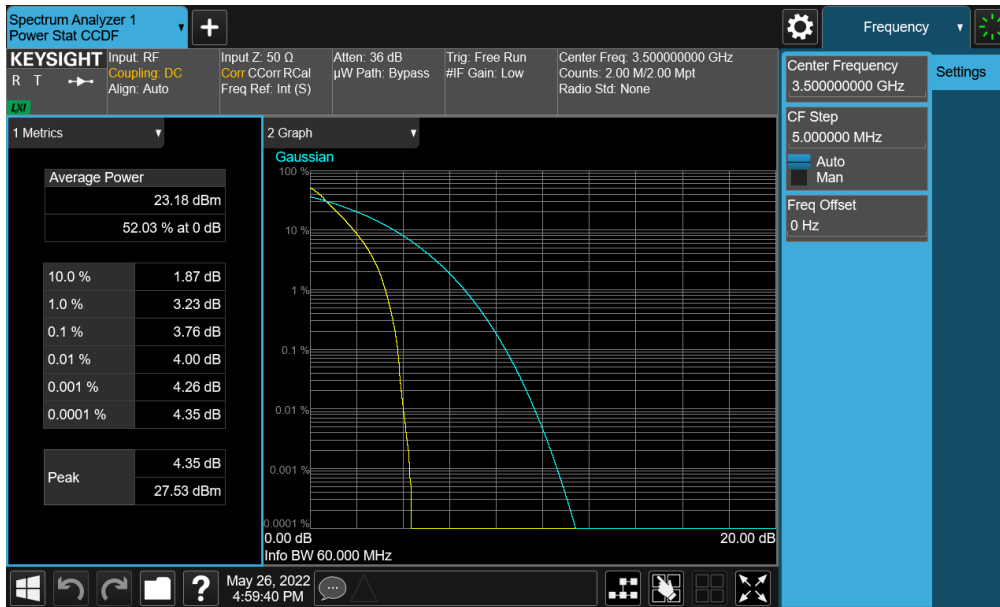


Plot 7-404. PAR Plot (NR Band n77 (DoD) - 70MHz CP-OFDM QPSK - Full RB - Ant E)

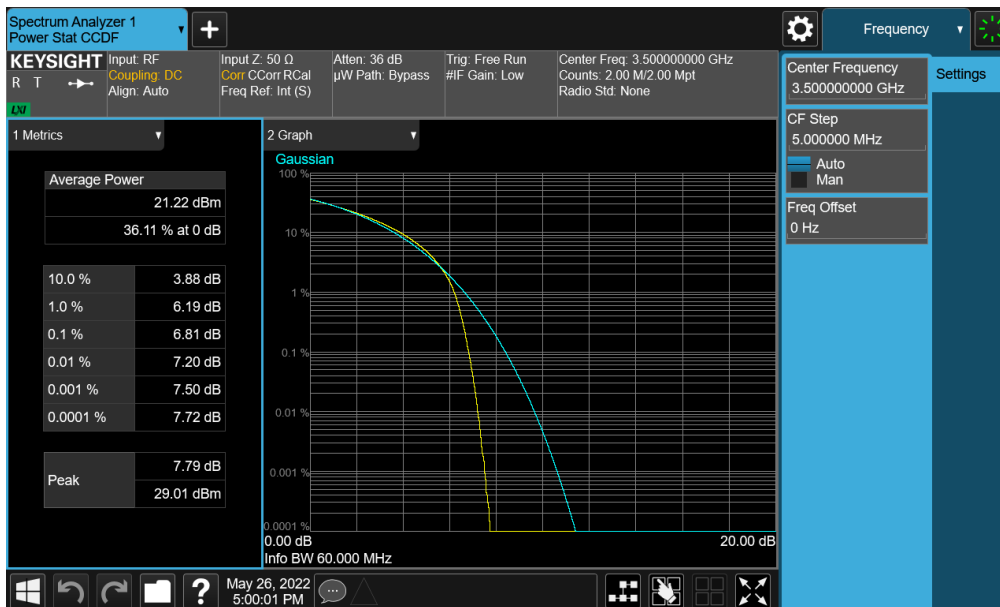


Plot 7-405. PAR Plot (NR Band n77 (DoD) - 70MHz CP-OFDM 256-QAM - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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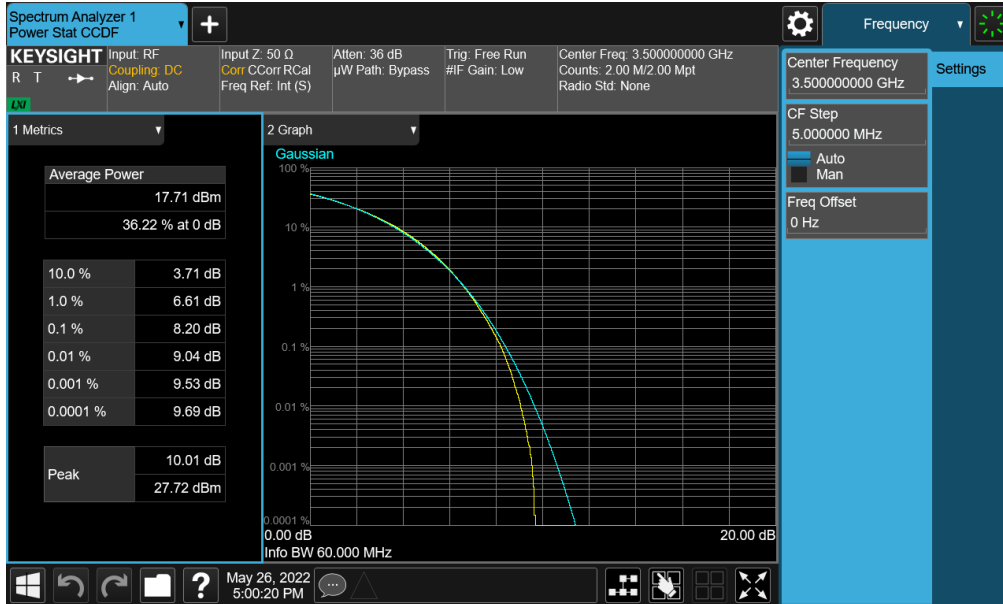


Plot 7-406. PAR Plot (NR Band n77 (DoD) - 60MHz DFT-s-OFDM BPSK - Full RB - Ant E)

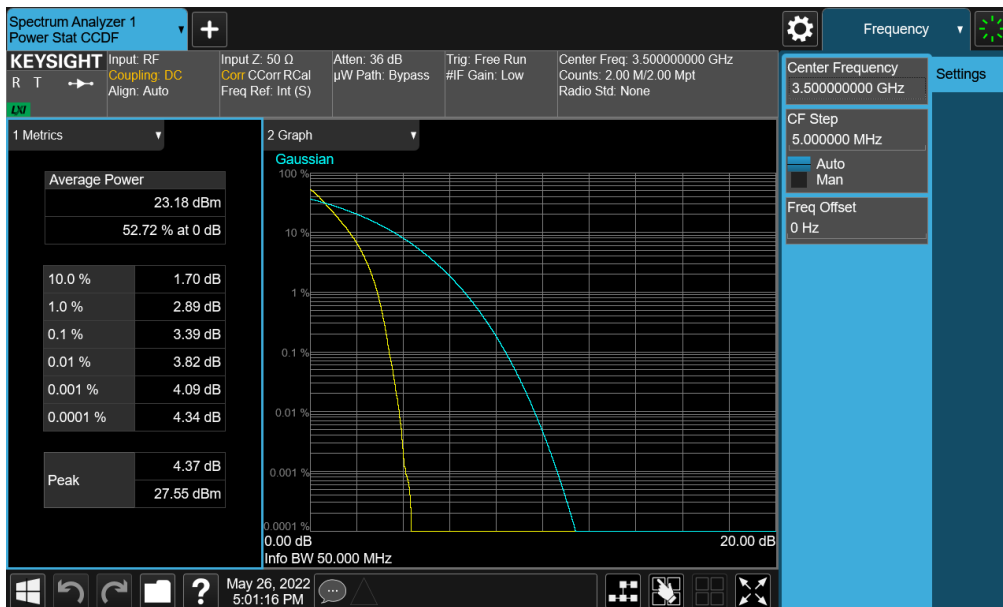


Plot 7-407. PAR Plot (NR Band n77 (DoD) - 60MHz CP-OFDM QPSK - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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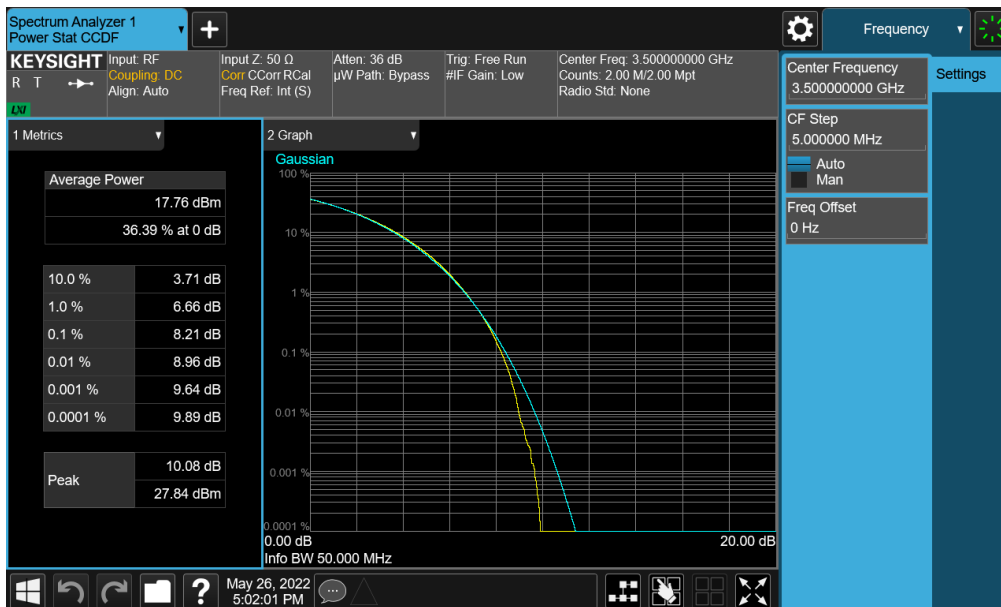
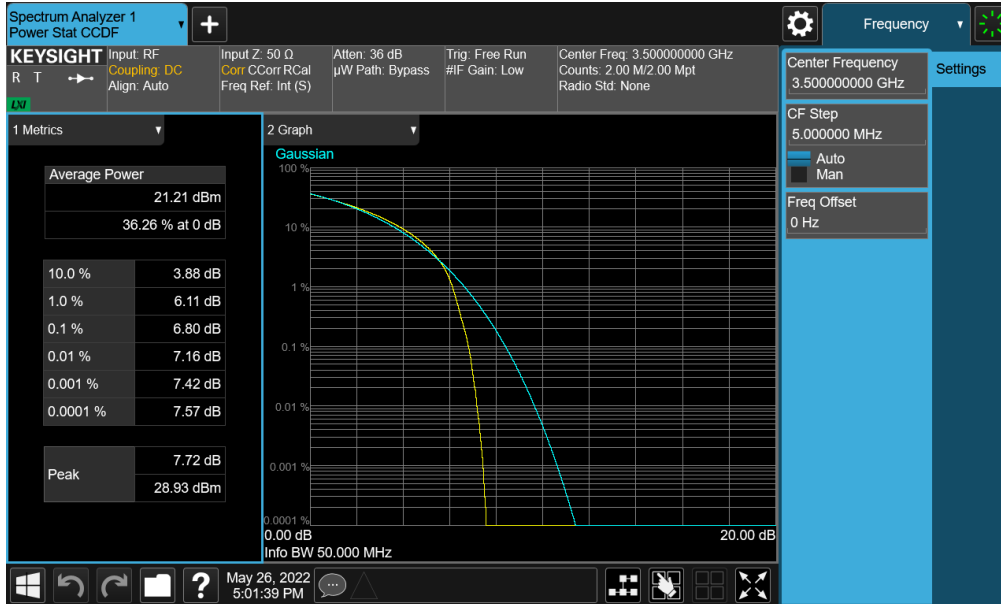


Plot 7-408. PAR Plot (NR Band n77 (DoD) - 60MHz CP-OFDM 256-QAM - Full RB - Ant E)

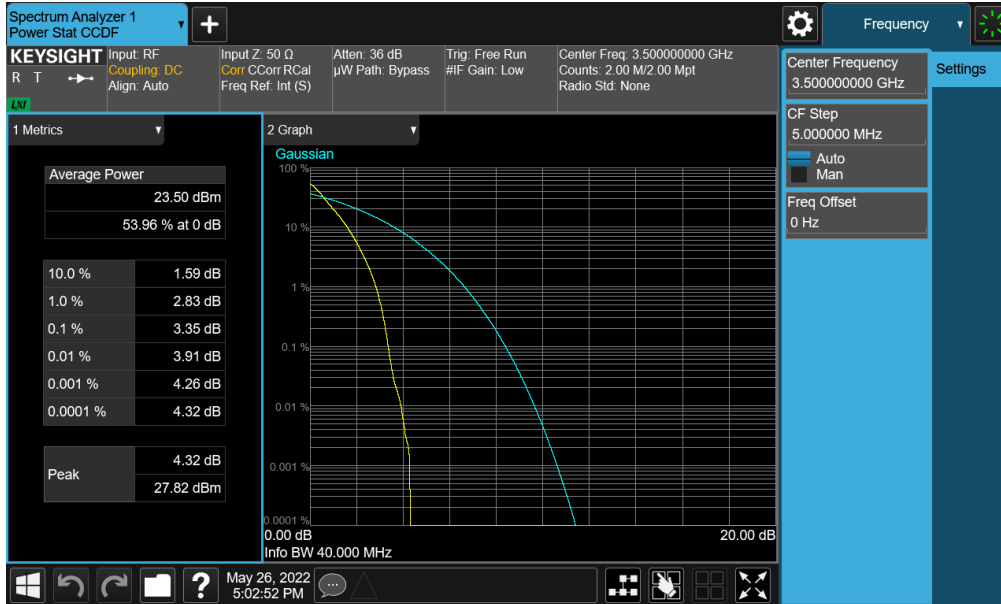


Plot 7-409. PAR Plot (NR Band n77 (DoD) - 50MHz DFT-s-OFDM BPSK - Full RB - Ant E)

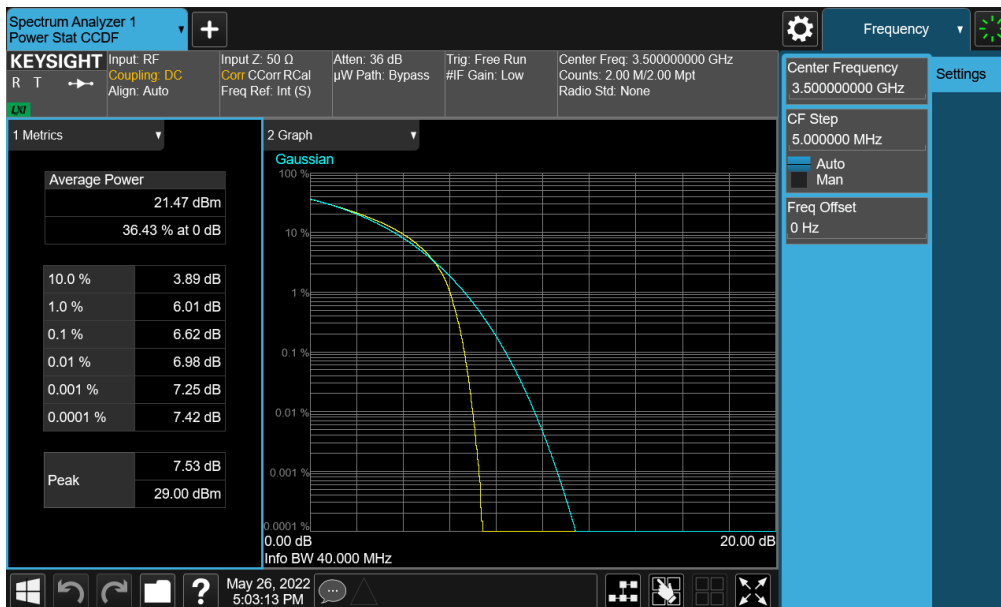
FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 239 of 301



FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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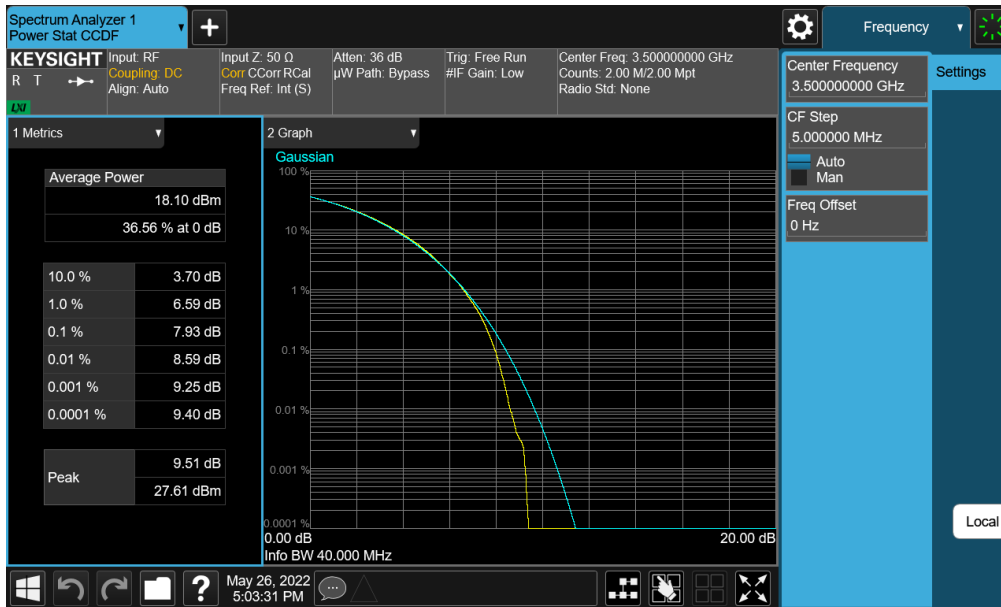


Plot 7-412. PAR Plot (NR Band n77 (DoD) - 40MHz DFT-s-OFDM BPSK - Full RB - Ant E)

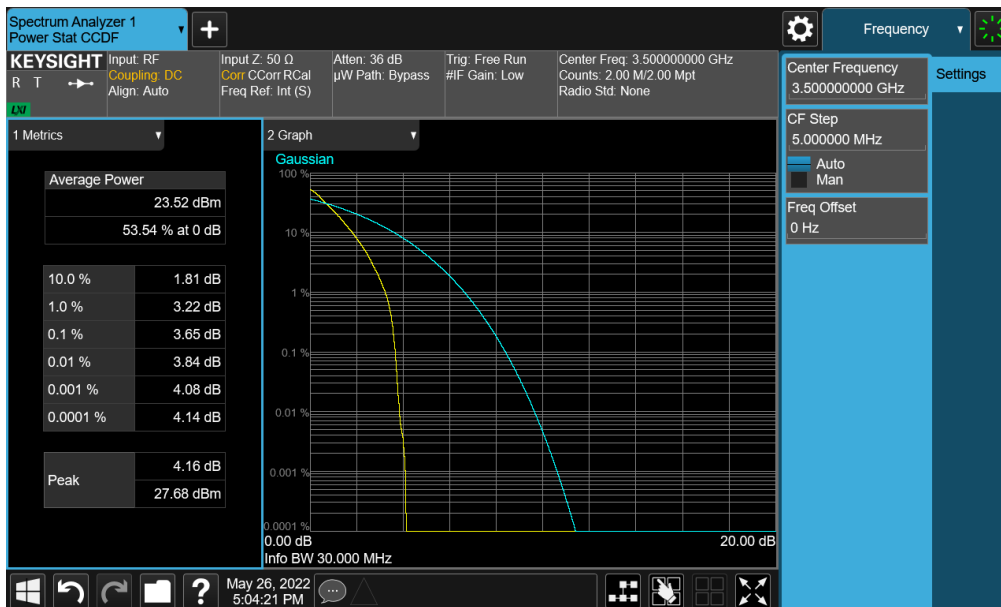


Plot 7-413. PAR Plot (NR Band n77 (DoD) - 40MHz CP-OFDM QPSK - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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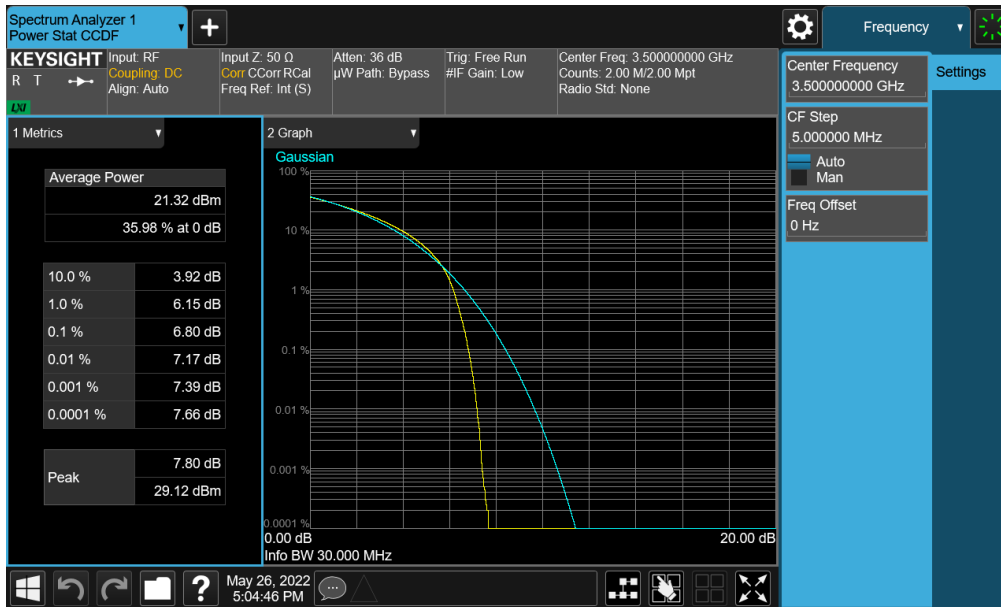


Plot 7-414. PAR Plot (NR Band n77 (DoD) - 40MHz CP-OFDM 256-QAM - Full RB - Ant E)

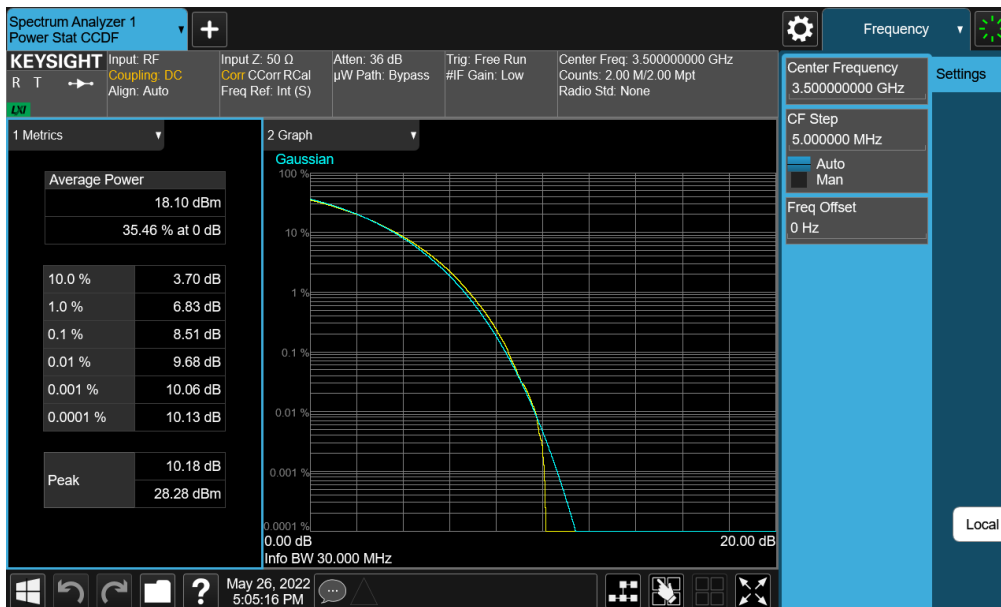


Plot 7-415. PAR Plot (NR Band n77 (DoD) - 30MHz DFT-s-OFDM BPSK - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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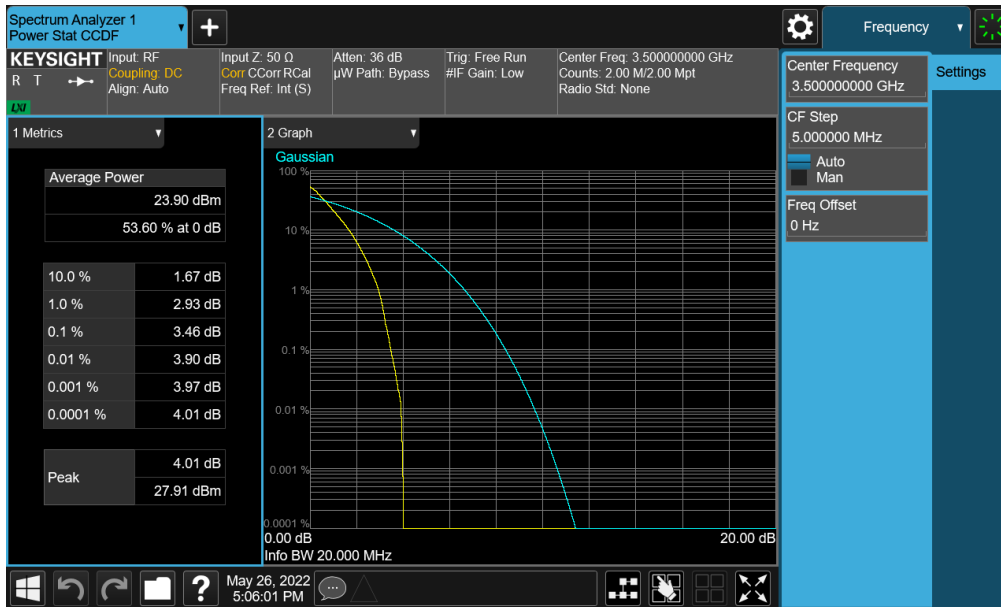


Plot 7-416. PAR Plot (NR Band n77 (DoD) - 30MHz CP-OFDM QPSK - Full RB - Ant E)

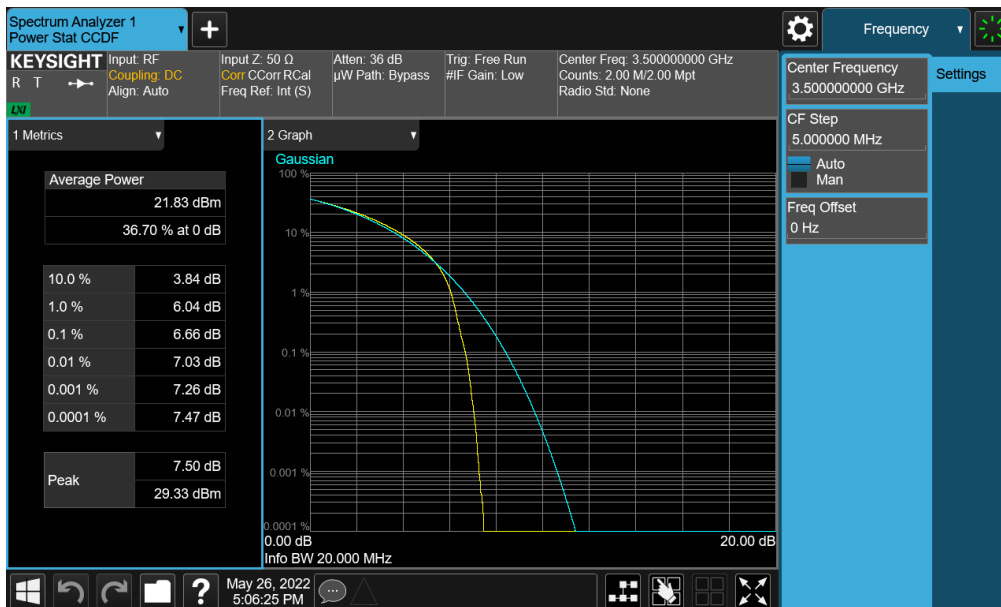


Plot 7-417. PAR Plot (NR Band n77 (DoD) - 30MHz CP-OFDM 256-QAM - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-418. PAR Plot (NR Band n77 (DoD) - 20MHz DFT-s-OFDM BPSK - Full RB - Ant E)

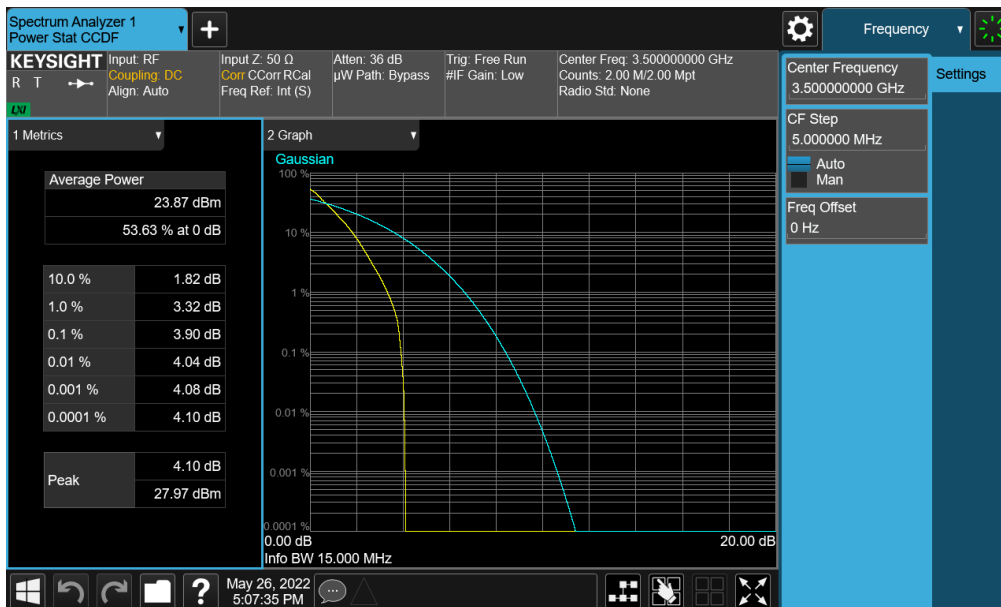


Plot 7-419. PAR Plot (NR Band n77 (DoD) - 20MHz CP-OFDM QPSK - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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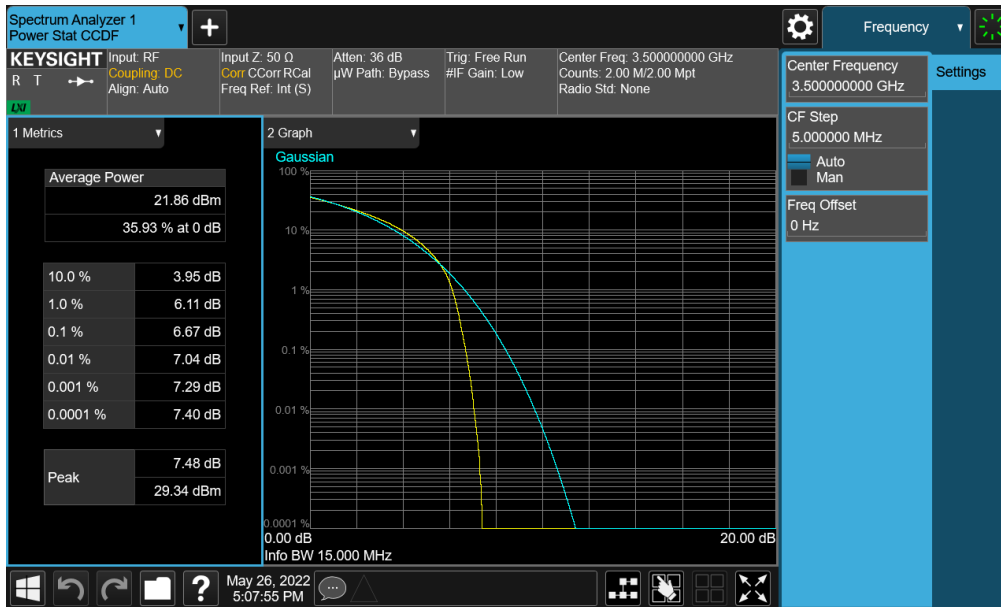


Plot 7-420. PAR Plot (NR Band n77 (DoD) - 20MHz CP-OFDM 256-QAM - Full RB - Ant E)

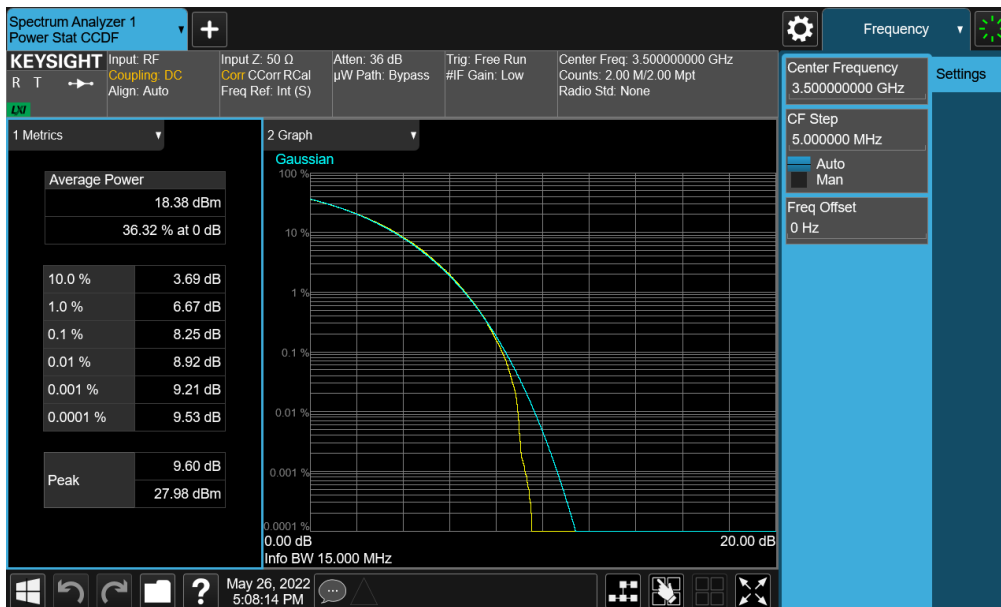


Plot 7-421. PAR Plot (NR Band n77 (DoD) - 15MHz DFT-s-OFDM BPSK - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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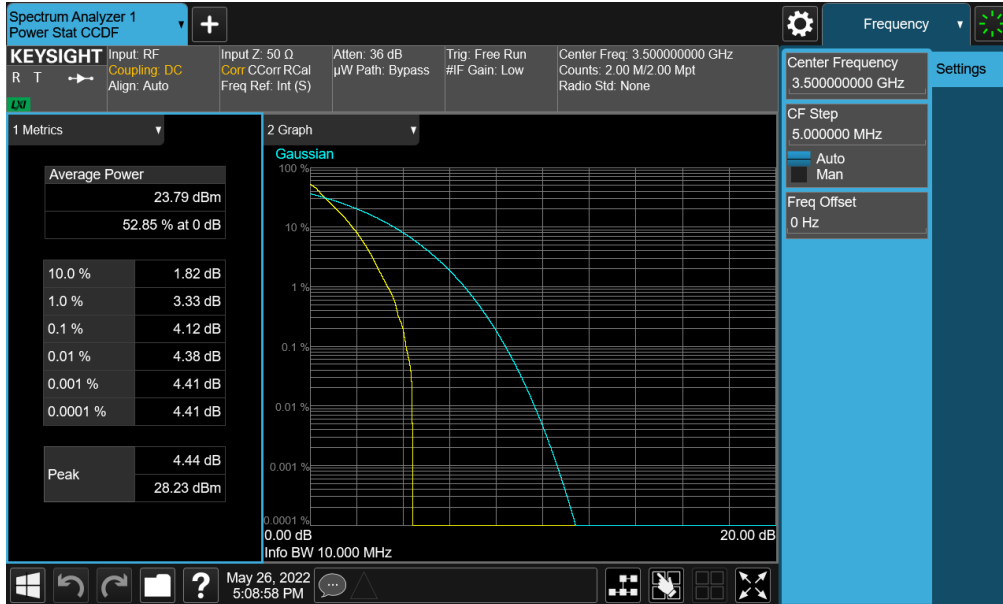


Plot 7-422. PAR Plot (NR Band n77 (DoD) - 15MHz CP-OFDM QPSK - Full RB - Ant E)

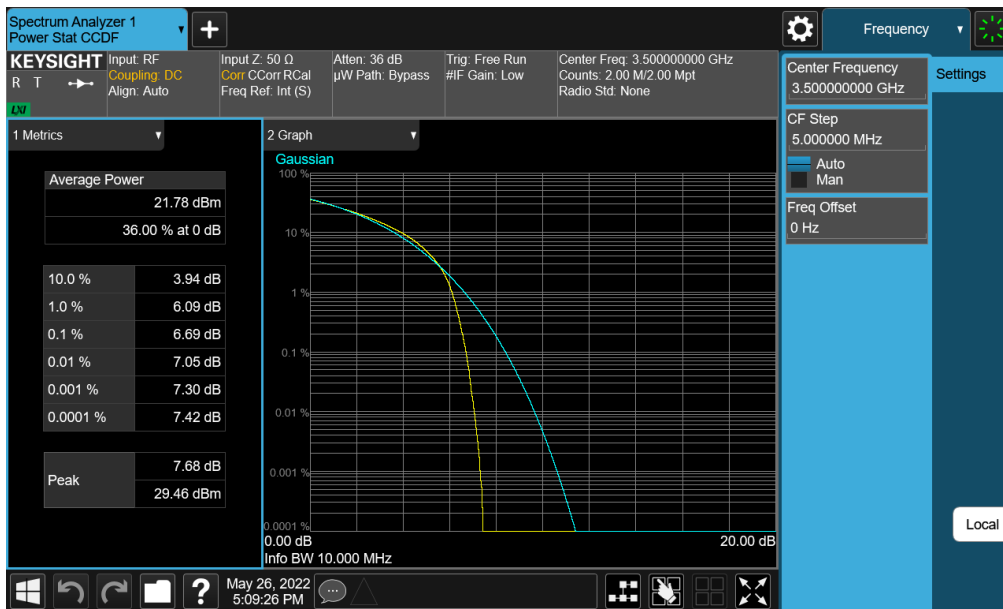


Plot 7-423. PAR Plot (NR Band n77 (DoD) - 15MHz CP-OFDM 256-QAM - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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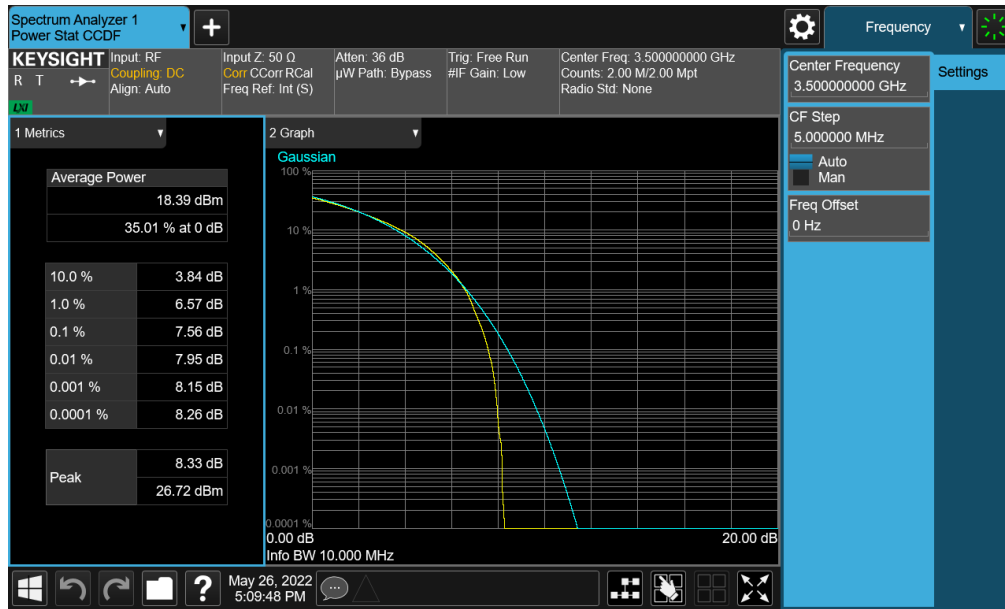


Plot 7-424. PAR Plot (NR Band n77 (DoD) - 10MHz DFT-s-OFDM BPSK - Full RB - Ant E)



Plot 7-425. PAR Plot (NR Band n77 (DoD) - 10MHz CP-OFDM QPSK - Full RB - Ant E)

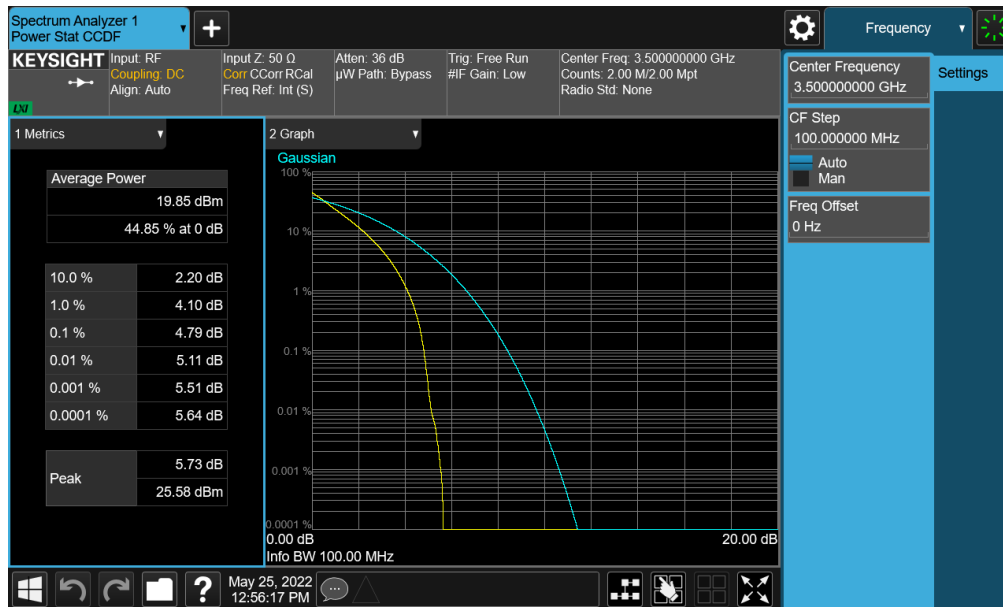
FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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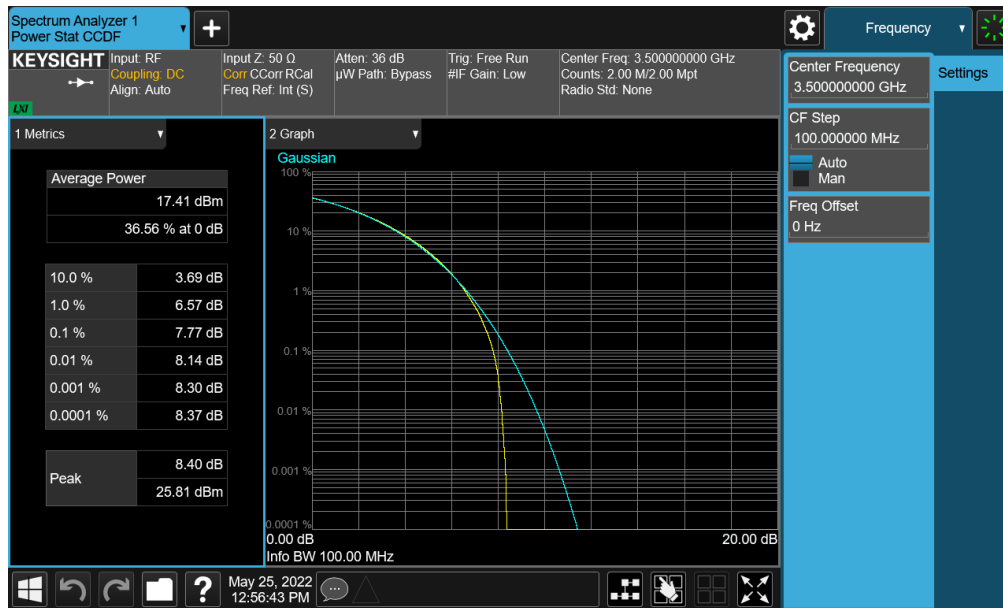
Plot 7-426. PAR Plot (NR Band n77 (DoD) - 10MHz CP-OFDM 256-QAM - Full RB - Ant E)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 – DoD Band – SRS-3 – Ant G

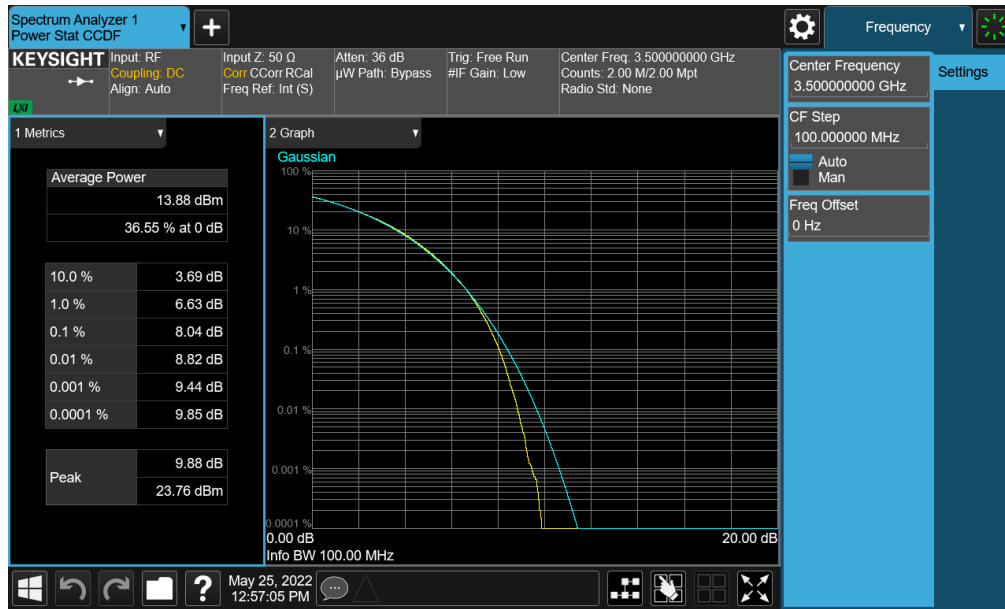


Plot 7-427. PAR Plot (NR Band n77 (DoD) - 100MHz DFT-s-OFDM BPSK - Full RB - Ant G)



Plot 7-428. PAR Plot (NR Band n77 (DoD) - 100MHz CP-OFDM QPSK - Full RB - Ant G)

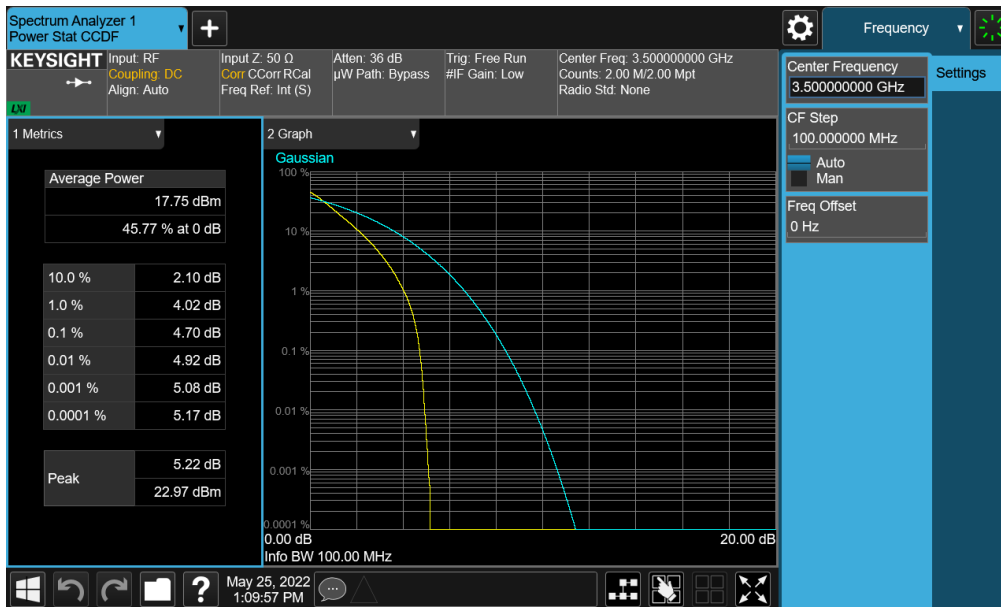
FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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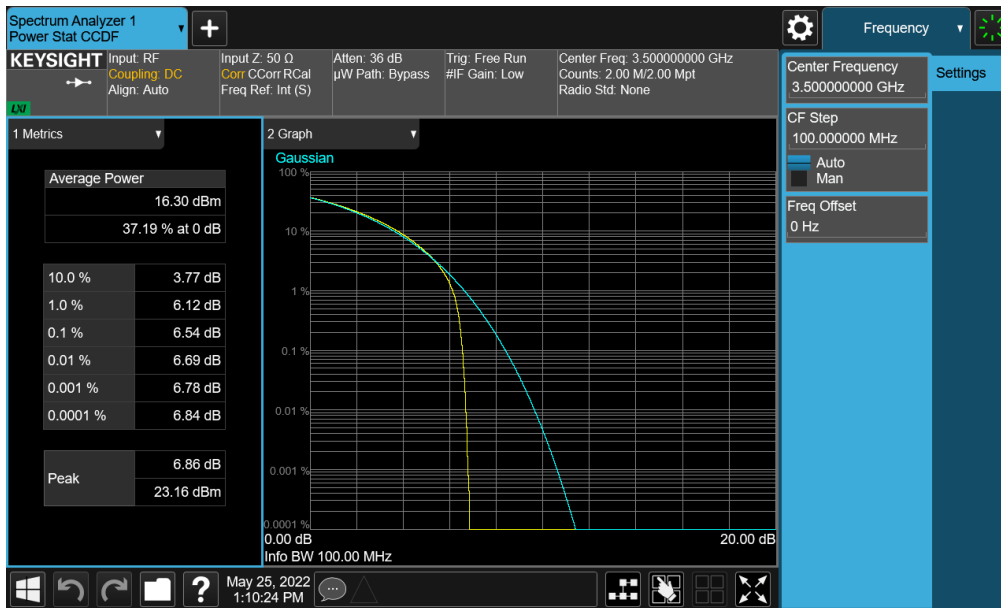
Plot 7-429. PAR Plot (NR Band n77 (DoD) - 100MHz CP-OFDM 256-QAM - Full RB - Ant G)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 – DoD Band – SRS-4 – Ant D

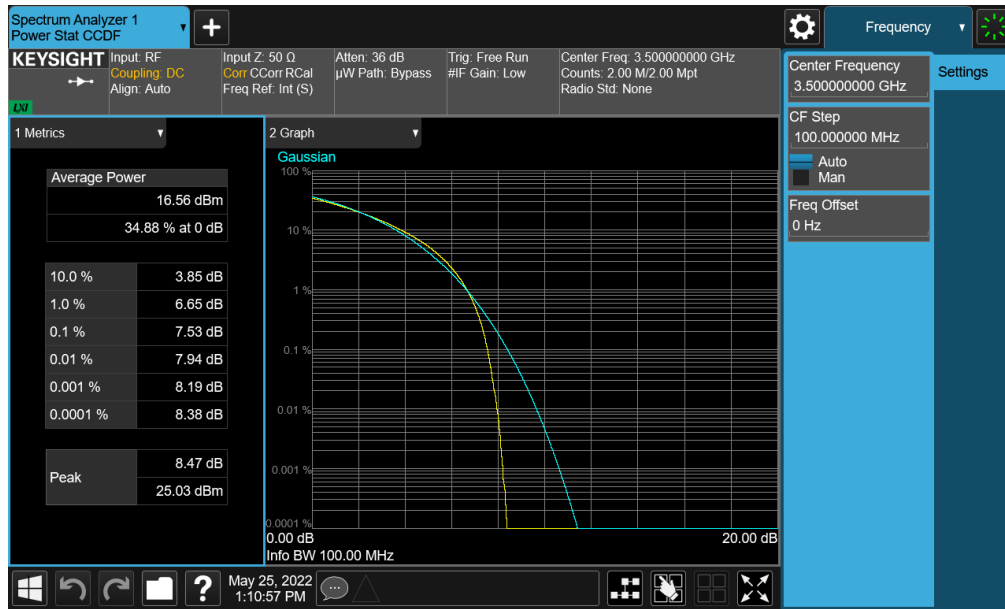


Plot 7-430. PAR Plot (NR Band n77 (DoD) - 100MHz DFT-s-OFDM BPSK - Full RB - Ant D)



Plot 7-431. PAR Plot (NR Band n77 (DoD) - 100MHz CP-OFDM QPSK - Full RB - Ant D)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-432. PAR Plot (NR Band n77 (DoD) - 100MHz CP-OFDM 256-QAM - Full RB – Ant D)

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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.

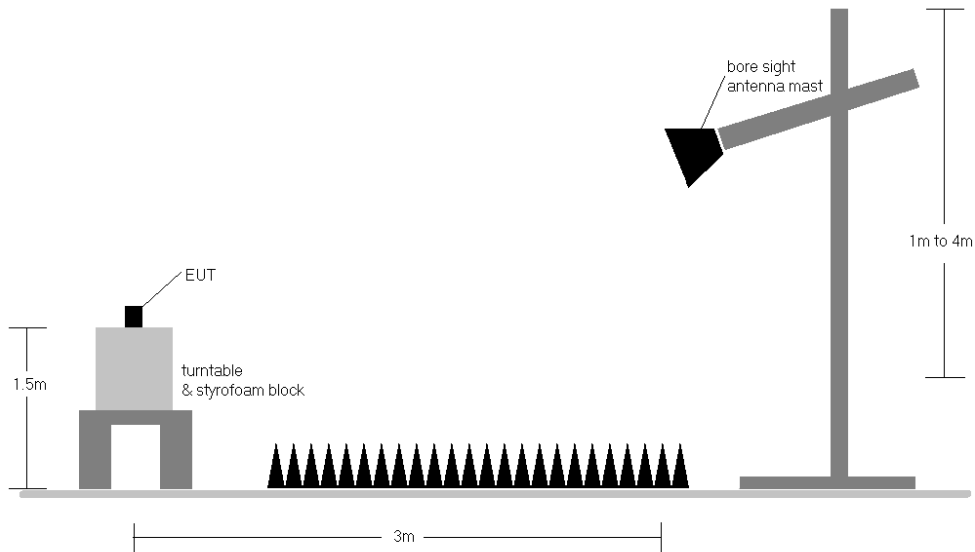


Figure 7-6. Radiated Test Setup >1GHz

Test Notes

- 1) 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.
- 2) This unit was tested with its standard battery.
- 3) 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]
100 MHz	$\pi/2$ BPSK	3750.0	V	278	93	6.83	1 / 204	7.59	14.42	0.028	30.00	-15.58
	$\pi/2$ BPSK	3840.0	V	267	107	6.47	1 / 136	10.07	16.54	0.045	30.00	-13.46
	$\pi/2$ BPSK	3930.0	V	282	101	6.49	1 / 204	11.19	17.68	0.059	30.00	-12.32
	QPSK	3750.0	V	278	93	6.83	1 / 204	7.68	14.51	0.028	30.00	-15.49
	QPSK	3840.0	V	267	107	6.47	1 / 136	10.08	16.55	0.045	30.00	-13.45
	QPSK	3930.0	V	282	101	6.49	1 / 204	11.22	17.71	0.059	30.00	-12.29
100 MHz	16-QAM	3930.0	V	282	101	6.49	1 / 204	10.90	17.39	0.055	30.00	-12.61
	QPSK (CP-OFDM)	3930.0	V	282	101	6.49	1 / 204	10.45	16.94	0.049	30.00	-13.06
	QPSK (Opposite Pol.)	3930.0	H	109	344	5.99	1 / 204	11.19	17.18	0.052	30.00	-12.82
	Open	3930.0	V	169	98	6.49	1 / 136	10.17	16.66	0.046	30.00	-13.34
	QPSK (WCP)	3930.0	V	301	150	6.49	1 / 204	7.50	13.99	0.025	30.00	-16.01

Table 7-16. EIRP Data (NR Band n77 (C-Band) – Ant G)

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]
100 MHz	$\pi/2$ BPSK	3750.0	H	110	234	5.98	1 / 68	5.91	11.89	0.015	30.00	-18.11
	$\pi/2$ BPSK	3840.0	H	103	231	6.02	1 / 68	6.83	12.85	0.019	30.00	-17.15
	$\pi/2$ BPSK	3930.0	H	104	245	5.99	1 / 68	3.76	9.75	0.009	30.00	-20.25
	QPSK	3750.0	H	110	234	5.98	1 / 68	5.88	11.86	0.015	30.00	-18.14
	QPSK	3840.0	H	103	231	6.02	1 / 68	6.66	12.68	0.019	30.00	-17.32
	QPSK	3930.0	H	104	245	5.99	1 / 68	3.81	9.80	0.010	30.00	-20.20
100 MHz	16-QAM	3840.0	H	103	231	6.02	1 / 68	6.46	12.48	0.018	30.00	-17.52
	QPSK (CP-OFDM)	3840.0	H	116	232	6.02	1 / 204	2.78	8.80	0.008	30.00	-21.20
	QPSK (Opposite Pol.)	3840.0	V	254	198	6.47	1 / 204	2.84	9.31	0.009	30.00	-20.69
	Open	3840.0	H	102	240	6.02	1 / 204	6.53	12.55	0.018	30.00	-17.45
QPSK (WCP)	3840.0	H	156	351	6.02	1 / 204	2.66	8.68	0.007	30.00	-21.32	

Table 7-17. EIRP Data (NR Band n77 (C-Band) – Ant D)

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turtable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	3500.0	V	319	70	7.16	1 / 204	6.34	13.50	0.022	30.00	-16.50
	QPSK	3500.0	V	319	70	7.16	1 / 204	6.30	13.46	0.022	30.00	-16.54
	16-QAM	3500.0	V	319	70	7.16	1 / 204	5.67	12.83	0.019	30.00	-17.17
100 MHz	QPSK (CP-OFDM)	3500.0	V	319	70	7.16	1 / 204	4.55	11.71	0.015	30.00	-18.29
	QPSK (Opposite Pol.)	3500.0	H	105	334	7.74	1 / 204	4.38	12.12	0.016	30.00	-17.88
	Open	3500.0	V	204	51	7.16	1 / 204	5.11	12.27	0.017	30.00	-17.73
	QPSK (WCP)	3500.0	V	141	101	7.16	1 / 204	3.21	10.37	0.011	30.00	-19.63

Table 7-20. EIRP Data (NR Band n77 (DoD) – Ant G)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turtable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	3500.0	H	120	220	7.74	1 / 204	7.45	15.19	0.033	30.00	-14.81
	QPSK	3500.0	H	120	220	7.74	1 / 204	7.53	15.27	0.034	30.00	-14.73
	16-QAM	3500.0	H	120	220	7.74	1 / 204	6.87	14.61	0.029	30.00	-15.39
100 MHz	QPSK (CP-OFDM)	3500.0	H	120	220	7.74	1 / 204	6.87	14.61	0.029	30.00	-15.39
	QPSK (Opposite Pol.)	3500.0	V	296	277	7.16	1 / 204	2.71	9.87	0.010	30.00	-20.13
	Open	3500.0	H	140	209	7.74	1 / 204	6.01	13.75	0.024	30.00	-16.25
	QPSK (WCP)	3500.0	H	161	23	7.74	1 / 204	4.20	11.94	0.016	30.00	-18.06

Table 7-21. EIRP Data (NR Band n77 (DoD) – Ant D)

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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.

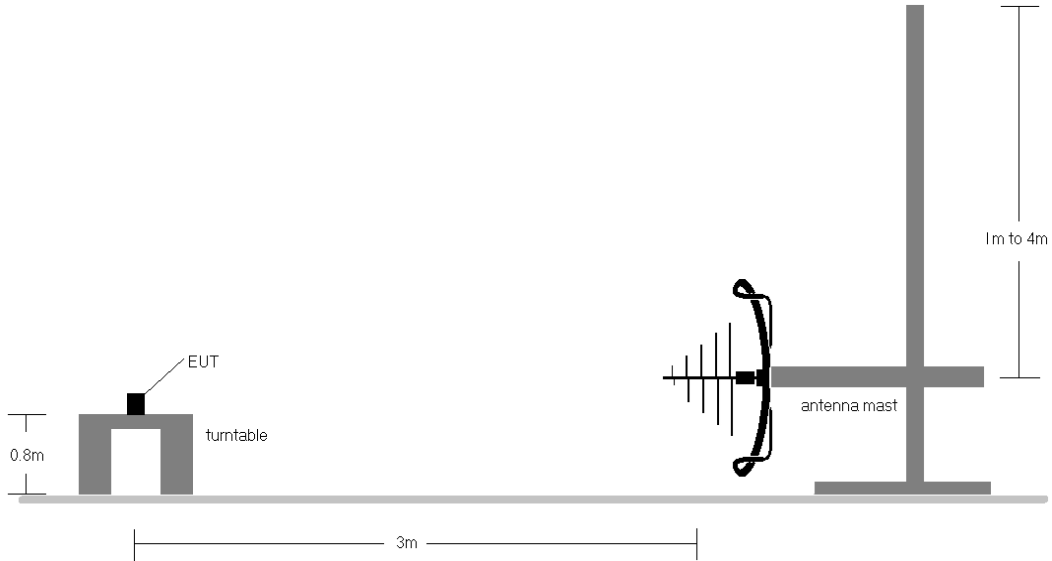


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

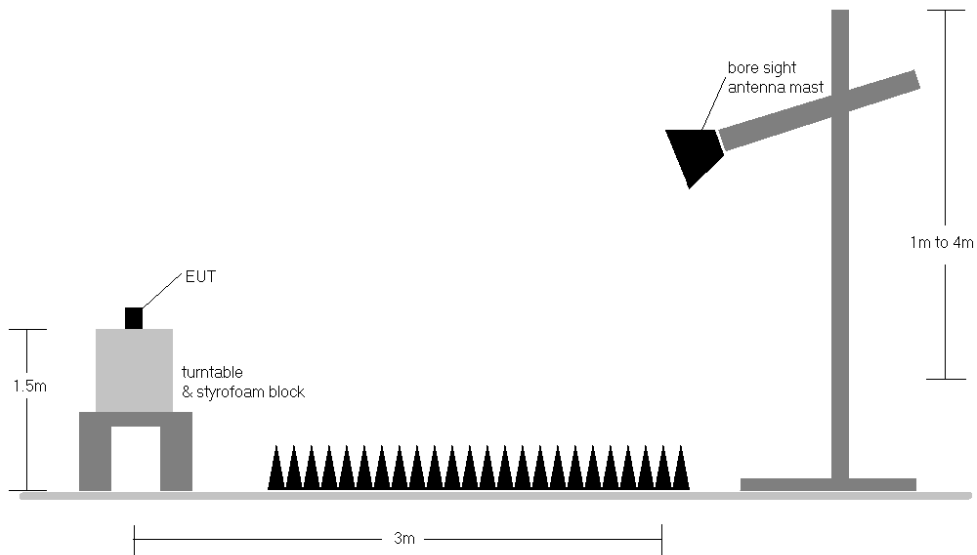


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

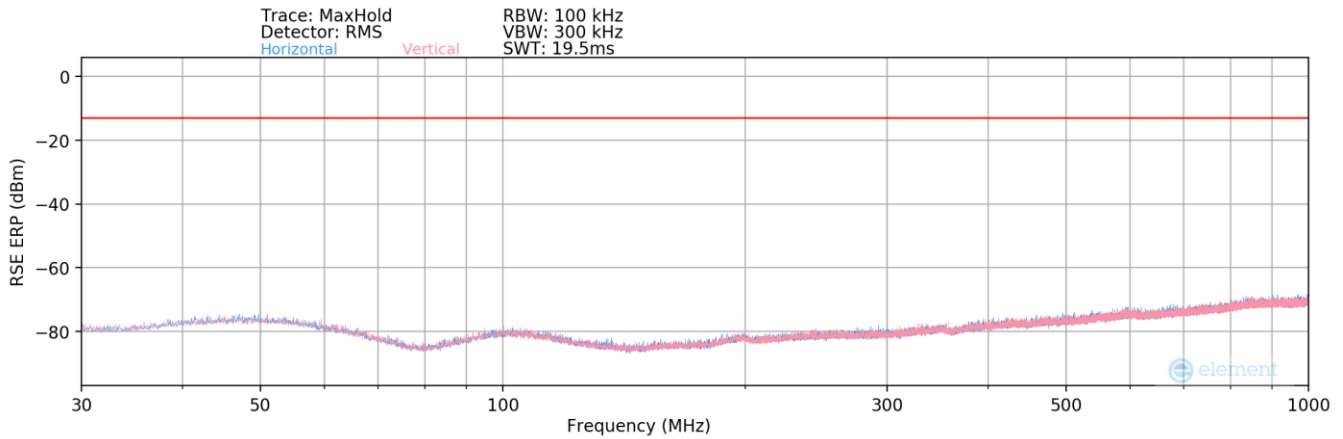
FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

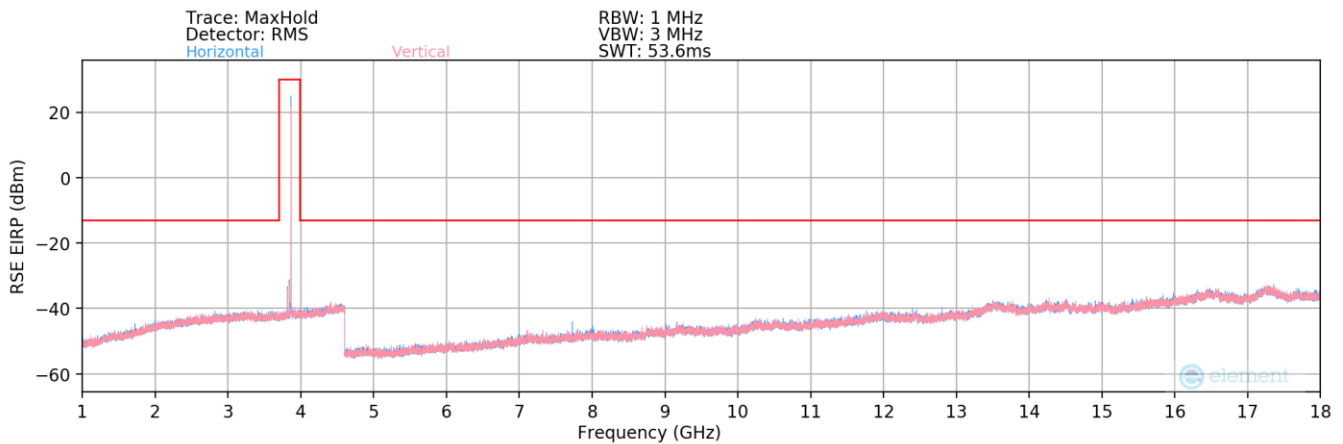
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) 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.
- 3) This unit was tested with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) 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.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) 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.
- 8) 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 emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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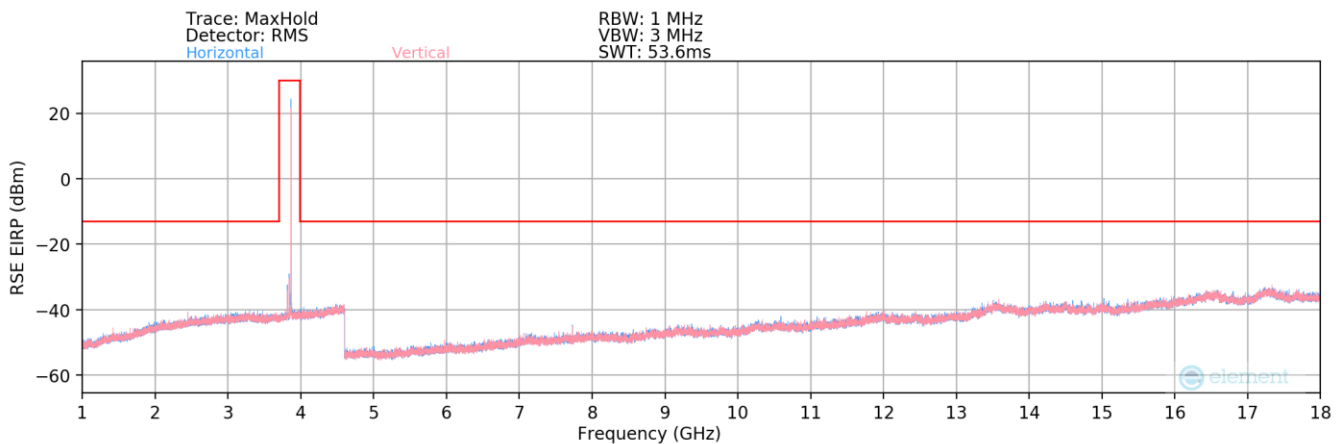
NR Band n77 – C-Band – Ant F



Plot 7-433. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant F) below 1GHz – Open

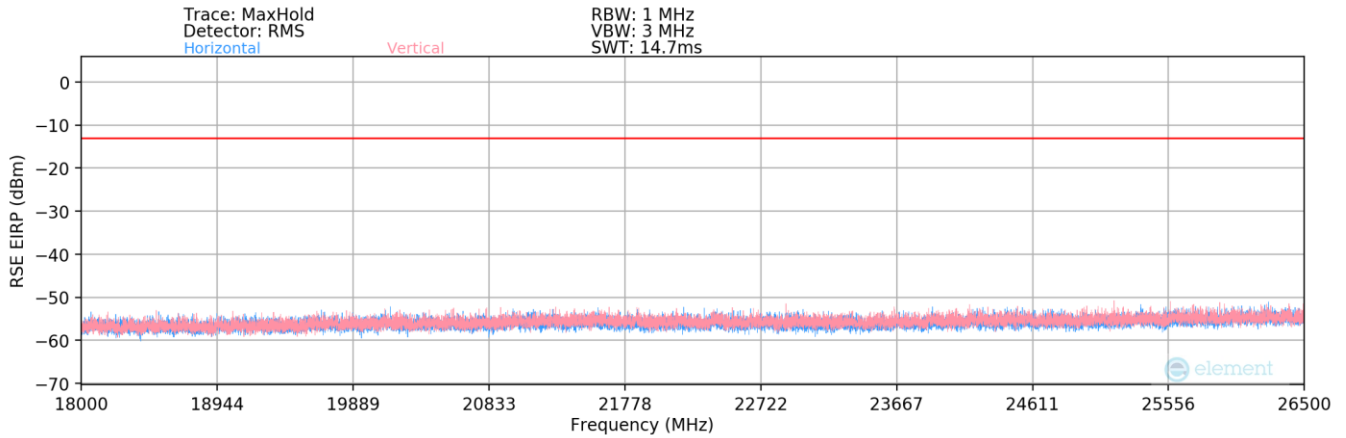


Plot 7-434. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant F) above 1GHz – Open

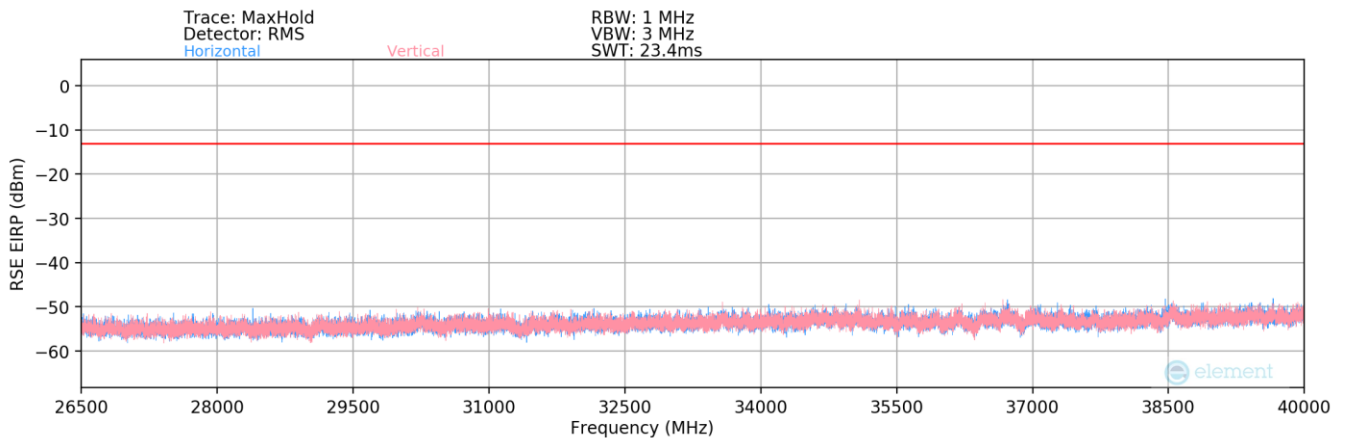


Plot 7-435. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant F) above 1GHz – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-436. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant F) above 18GHz – Open



Plot 7-437. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant F) above 26.5GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 204
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
937.50	H	-	-	-73.64	-3.33	30.03	-65.22	-13.00	-52.22
7500.00	H	221	310	-71.87	16.72	51.85	-43.41	-13.00	-30.41
11250.00	H	-	-	-75.11	21.84	53.73	-41.53	-13.00	-28.53
15000.00	H	-	-	-76.61	27.58	57.97	-37.28	-13.00	-24.28
18750.00	H	-	-	-65.37	2.01	43.64	-61.16	-13.00	-48.16
22500.00	H	-	-	-66.21	3.72	44.52	-60.28	-13.00	-47.28
26250.00	H	-	-	-66.35	5.06	45.71	-59.09	-13.00	-46.09
30000.00	H	-	-	-68.72	6.56	44.84	-59.96	-13.00	-46.96

Table 7-22. Radiated Spurious Data (NR Band n77 (C-Band) – Low Channel – Ant F) – Open

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 204
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
960.00	H	-	-	-72.11	-3.15	31.74	-63.51	-13.00	-50.51
7680.00	H	119	23	-65.20	16.78	58.58	-36.68	-13.00	-23.68
11520.00	H	-	-	-75.37	23.14	54.77	-40.49	-13.00	-27.49
15360.00	H	-	-	-76.75	28.02	58.27	-36.99	-13.00	-23.99
19200.00	H	-	-	-65.40	2.53	44.13	-60.67	-13.00	-47.67
23040.00	H	-	-	-66.21	3.73	44.52	-60.28	-13.00	-47.28
26880.00	H	-	-	-67.36	5.05	44.68	-60.12	-13.00	-47.12
30720.00	H	-	-	-67.79	6.83	46.04	-58.76	-13.00	-45.76

Table 7-23. Radiated Spurious Data (NR Band n77 (C-Band) – Mid Channel – Ant F) – Open

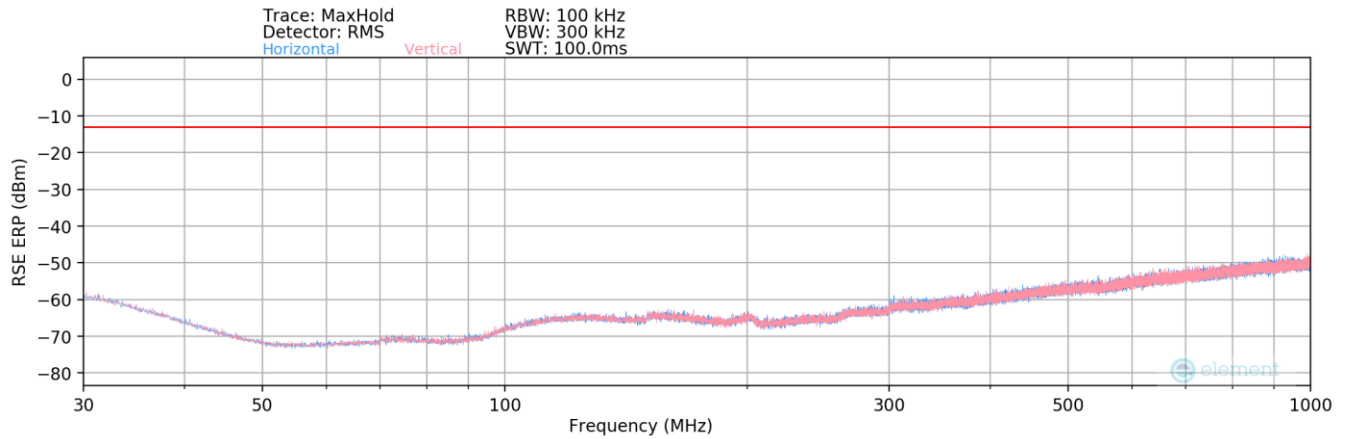
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 68
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
982.50	H	-	-	-73.96	-2.96	30.08	-65.18	-13.00	-52.18
7860.00	H	133	35	-72.48	16.73	51.25	-44.01	-13.00	-31.01
11790.00	H	208	304	-72.90	22.44	56.54	-38.72	-13.00	-25.72
15720.00	H	-	-	-76.55	29.50	59.95	-35.30	-13.00	-22.30
19650.00	H	-	-	-63.60	2.89	46.29	-58.51	-13.00	-45.51
23580.00	H	-	-	-65.20	3.80	45.60	-59.20	-13.00	-46.20
27510.00	H	-	-	-67.38	5.06	44.68	-60.12	-13.00	-47.12
31440.00	H	-	-	-67.82	6.85	46.02	-58.78	-13.00	-45.78

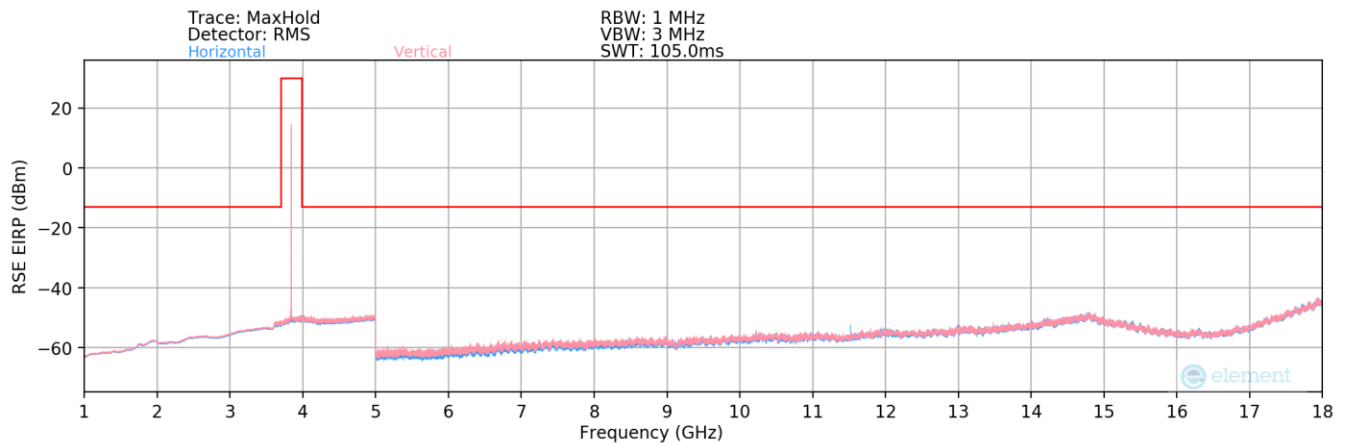
Table 7-24. Radiated Spurious Data (NR Band n77 (C-Band) – High Channel – Ant F) – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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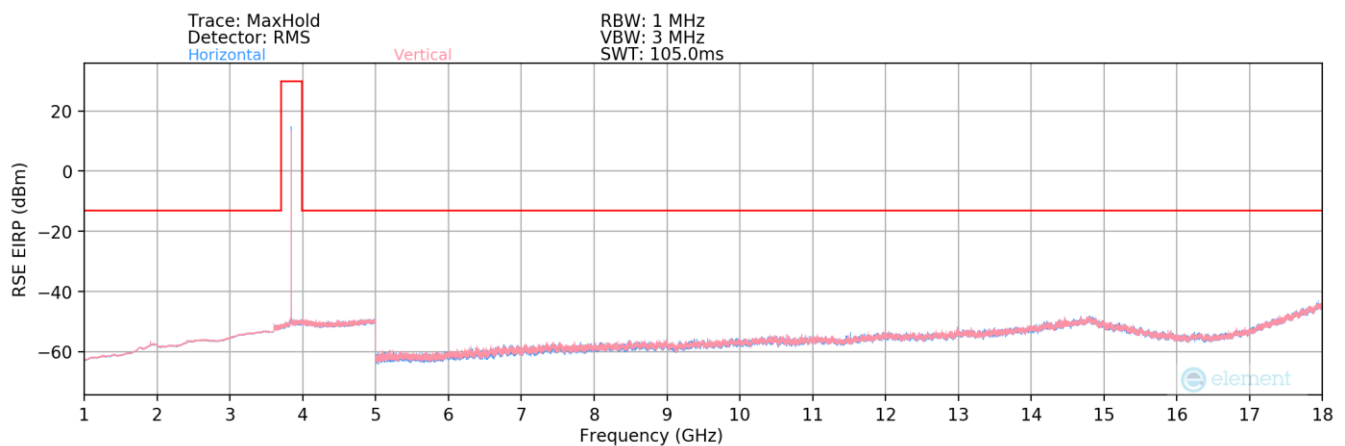
NR Band n77 – C-Band – SRS-2 – Ant E



Plot 7-438. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant E) below 1GHz – Open

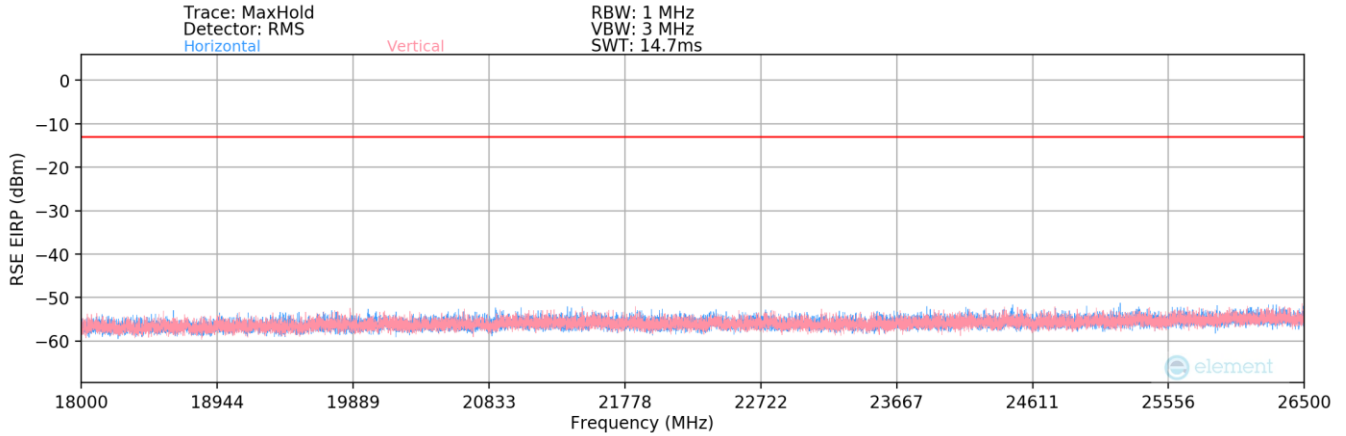


Plot 7-439. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant E) above 1GHz – Half

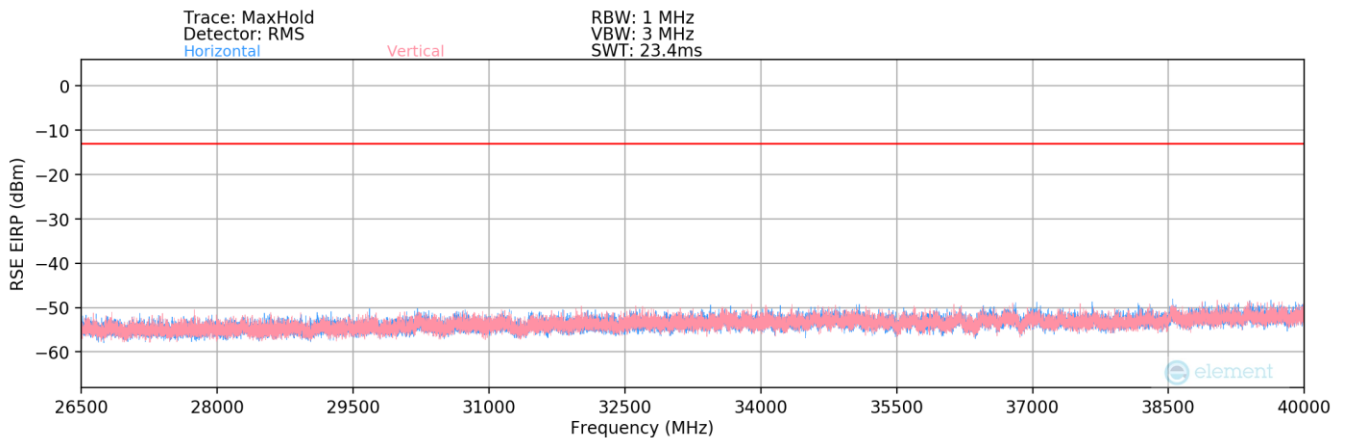


Plot 7-440. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant E) above 1GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-441. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant E) above 18GHz – Open



Plot 7-442. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant E) above 26.5GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
937.50	H	-	-	-83.99	31.01	54.02	-41.24	-13.00	-28.24
7500.00	H	107	322	-68.40	7.36	45.96	-49.29	-13.00	-36.29
11250.00	H	120	16	-73.73	10.74	44.01	-51.25	-13.00	-38.25
15000.00	H	-	-	-77.20	15.25	45.05	-50.21	-13.00	-37.21
18750.00	H	-	-	-65.51	2.01	43.50	-61.30	-13.00	-48.30
22500.00	H	-	-	-66.75	3.72	43.98	-60.82	-13.00	-47.82
26250.00	H	-	-	-66.44	5.06	45.62	-59.18	-13.00	-46.18
30000.00	H	-	-	-68.72	6.56	44.84	-59.96	-13.00	-46.96

Table 7-25. Radiated Spurious Data (NR Band n77 (C-Band) – Low Channel – Ant E) – Open

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
960.00	H	-	-	-83.21	31.05	54.84	-40.42	-13.00	-27.42
7680.00	H	119	323	-72.87	6.75	40.88	-54.37	-13.00	-41.37
11520.00	H	123	64	-73.17	11.27	45.10	-50.16	-13.00	-37.16
15360.00	H	-	-	-77.27	13.96	43.69	-51.57	-13.00	-38.57
19200.00	H	-	-	-65.38	2.53	44.15	-60.65	-13.00	-47.65
23040.00	H	-	-	-66.44	3.73	44.29	-60.51	-13.00	-47.51
26880.00	H	-	-	-67.99	5.05	44.06	-60.74	-13.00	-47.74
30720.00	H	-	-	-68.00	6.83	45.83	-58.97	-13.00	-45.97

Table 7-26. Radiated Spurious Data (NR Band n77 (C-Band) – Mid Channel – Ant E) – Open

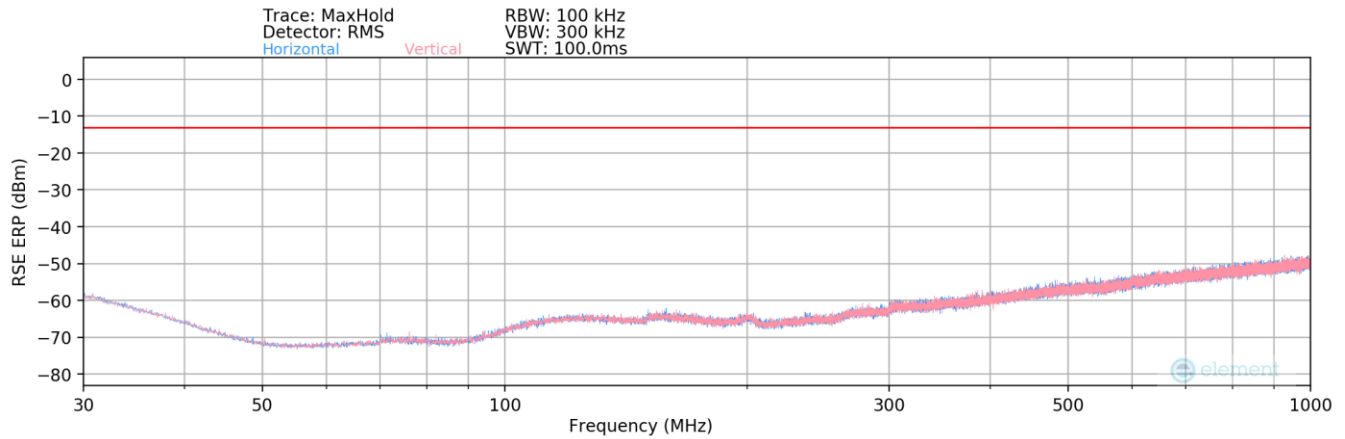
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
982.50	H	-	-	-82.69	31.33	55.64	-39.62	-13.00	-26.62
7860.00	H	162	56	-75.60	7.18	38.58	-56.67	-13.00	-43.67
11790.00	H	121	10	-69.68	12.04	49.36	-45.90	-13.00	-32.90
15720.00	H	-	-	-76.82	11.67	41.85	-53.41	-13.00	-40.41
19650.00	H	-	-	-63.44	2.89	46.45	-58.35	-13.00	-45.35
23580.00	H	-	-	-65.15	3.80	45.66	-59.14	-13.00	-46.14
27510.00	H	-	-	-67.84	5.06	44.21	-60.59	-13.00	-47.59
31440.00	H	-	-	-67.11	6.85	46.73	-58.07	-13.00	-45.07

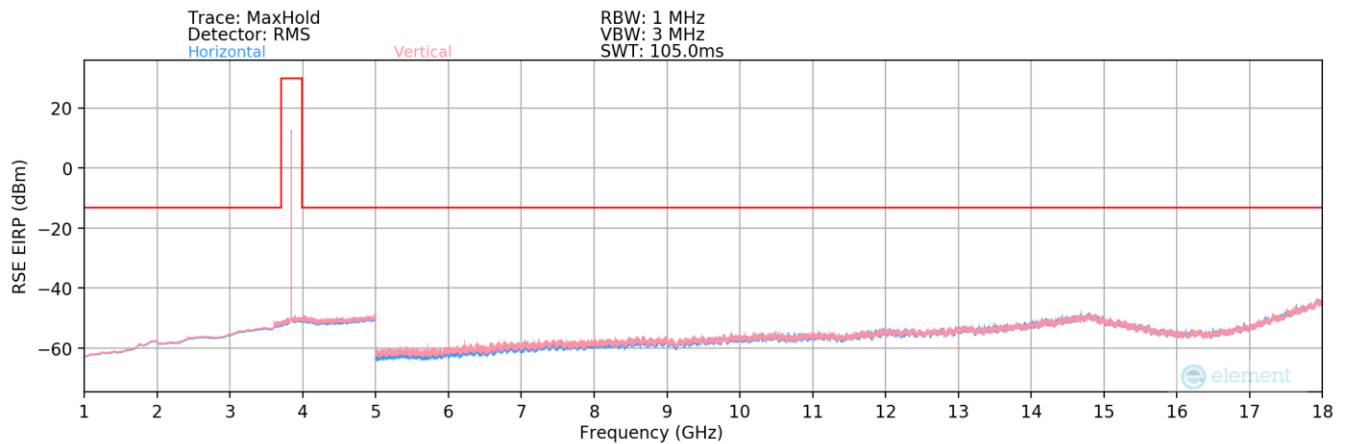
Table 7-27. Radiated Spurious Data (NR Band n77 (C-Band) – High Channel – Ant E) – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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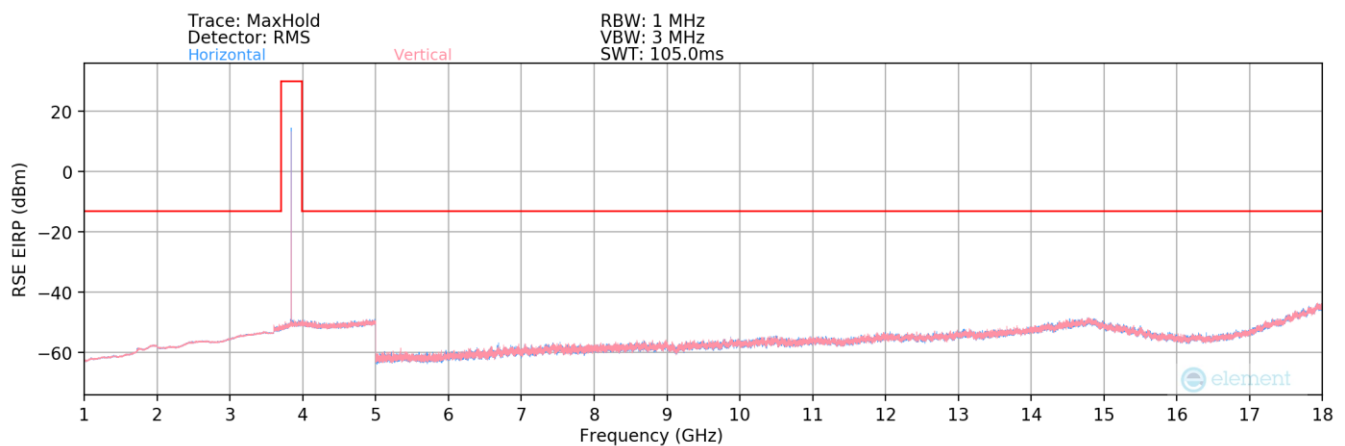
NR Band n77 – C-Band – SRS-3 – Ant G



Plot 7-443. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant G) below 1GHz – Closed

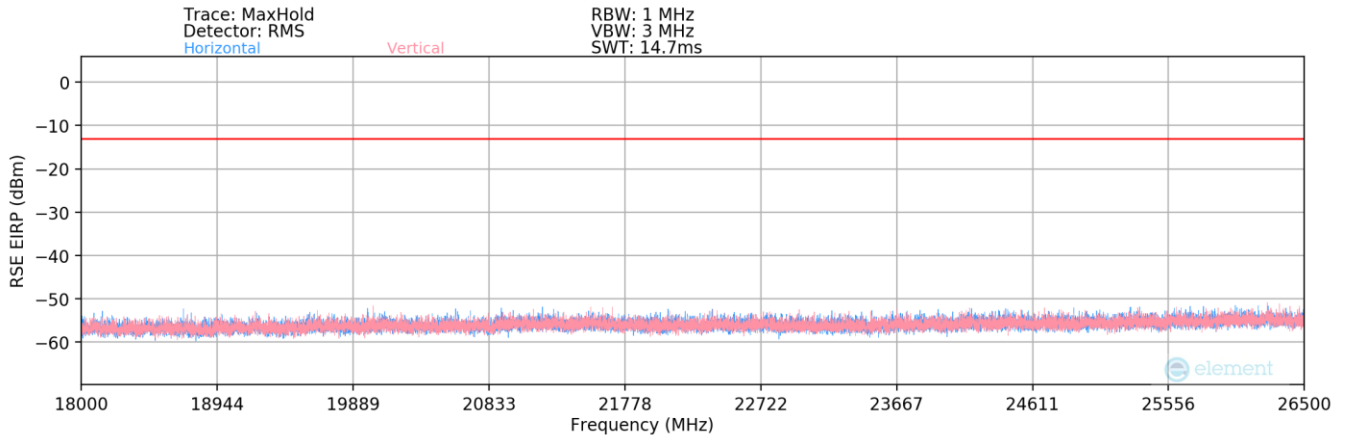


Plot 7-444. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant G) above 1GHz – Half

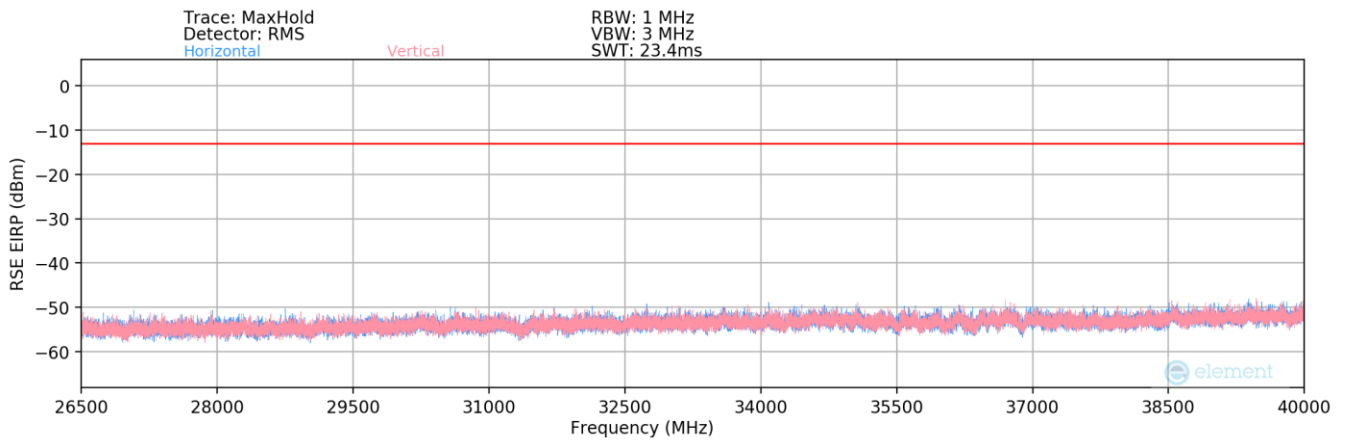


Plot 7-445. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant G) above 1GHz – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-446. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant G) above 18GHz – Closed



Plot 7-447. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant G) above 26.5GHz – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
937.50	V	-	-	-83.61	31.01	54.40	-40.86	-13.00	-27.86
7500.00	V	190	41	-76.70	7.36	37.66	-57.59	-13.00	-44.59
11250.00	V	242	68	-78.05	10.74	39.69	-55.57	-13.00	-42.57
15000.00	V	-	-	-77.97	15.25	44.28	-50.98	-13.00	-37.98
18750.00	V	-	-	-65.15	2.01	43.87	-60.93	-13.00	-47.93
22500.00	V	-	-	-66.24	3.72	44.48	-60.32	-13.00	-47.32
26250.00	V	-	-	-66.48	5.06	45.58	-59.22	-13.00	-46.22
30000.00	V	-	-	-68.11	6.56	45.45	-59.35	-13.00	-46.35

Table 7-28. Radiated Spurious Data (NR Band n77 (C-Band) – Low Channel – Ant G) – Closed

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
960.00	V	-	-	-84.62	31.05	53.43	-41.83	-13.00	-28.83
7680.00	V	163	47	-76.07	6.75	37.68	-57.57	-13.00	-44.57
11520.00	V	116	45	-76.75	11.27	41.52	-53.74	-13.00	-40.74
15360.00	V	-	-	-78.72	13.96	42.24	-53.02	-13.00	-40.02
19200.00	V	-	-	-65.84	2.53	43.69	-61.11	-13.00	-48.11
23040.00	V	-	-	-66.88	3.73	43.85	-60.95	-13.00	-47.95
26880.00	V	-	-	-67.99	5.05	44.05	-60.75	-13.00	-47.75
30720.00	V	-	-	-67.11	6.83	46.72	-58.08	-13.00	-45.08

Table 7-29. Radiated Spurious Data (NR Band n77 (C-Band) – Mid Channel – Ant G) – Closed

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
982.50	V	-	-	-84.82	31.33	53.51	-41.75	-13.00	-28.75
7860.00	V	139	68	-73.08	7.18	41.10	-54.15	-13.00	-41.15
11790.00	V	122	45	-69.83	12.04	49.21	-46.05	-13.00	-33.05
15720.00	V	-	-	-78.02	11.67	40.65	-54.61	-13.00	-41.61
19650.00	V	-	-	-63.84	2.89	46.05	-58.75	-13.00	-45.75
23580.00	V	-	-	-65.12	3.80	45.69	-59.11	-13.00	-46.11
27510.00	V	-	-	-67.51	5.06	44.55	-60.25	-13.00	-47.25
31440.00	V	-	-	-67.74	6.85	46.10	-58.70	-13.00	-45.70

Table 7-30. Radiated Spurious Data (NR Band n77 (C-Band) – High Channel – Ant G) – Closed

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