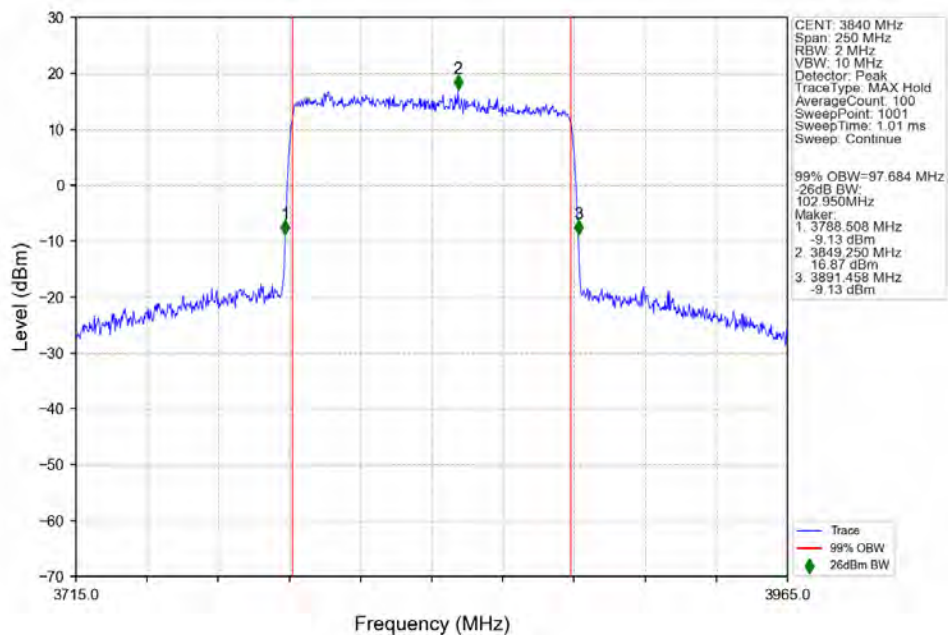
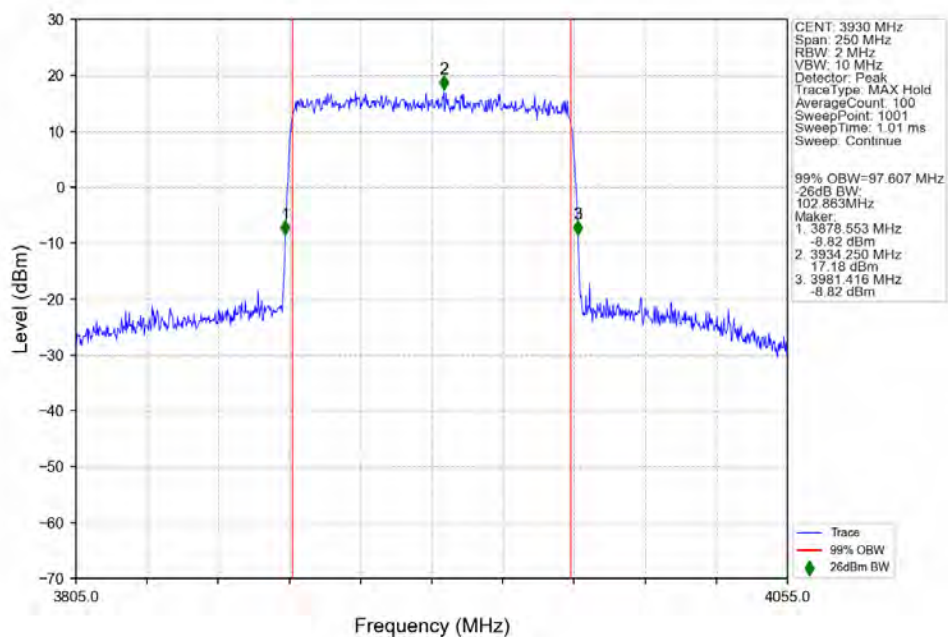


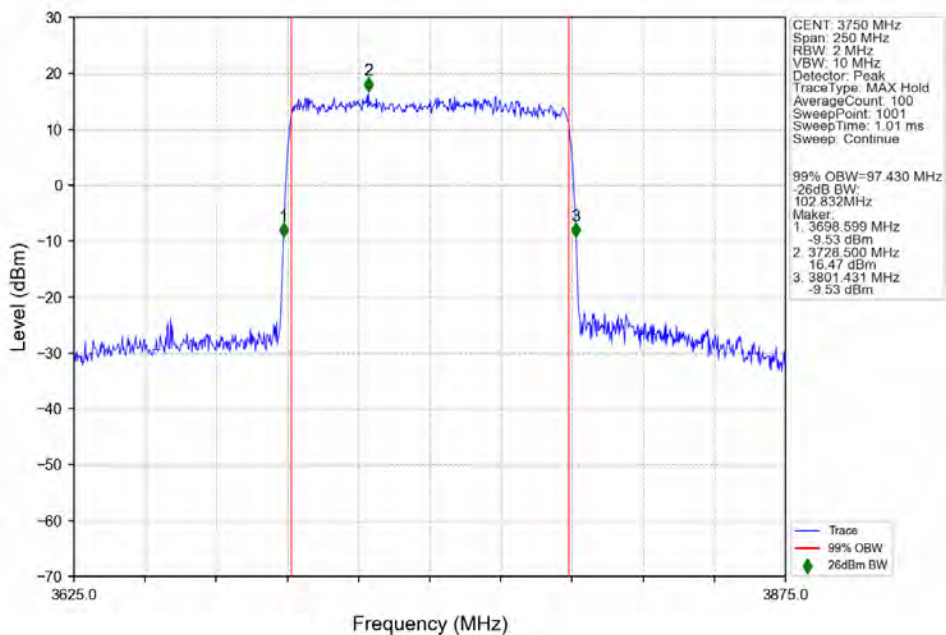
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant1



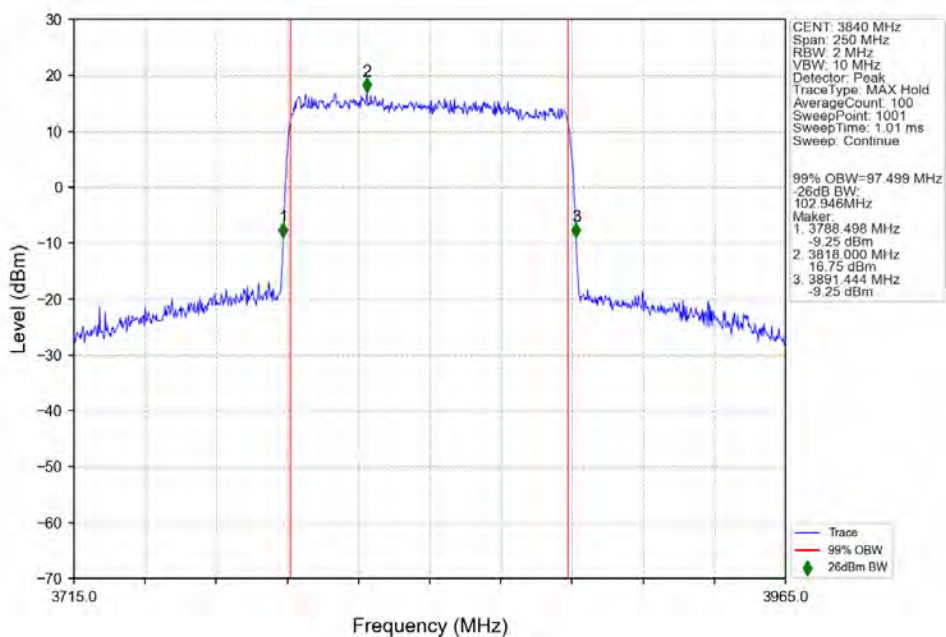
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_QPSK\_3930MHz\_Outer\_Full\_Ant1



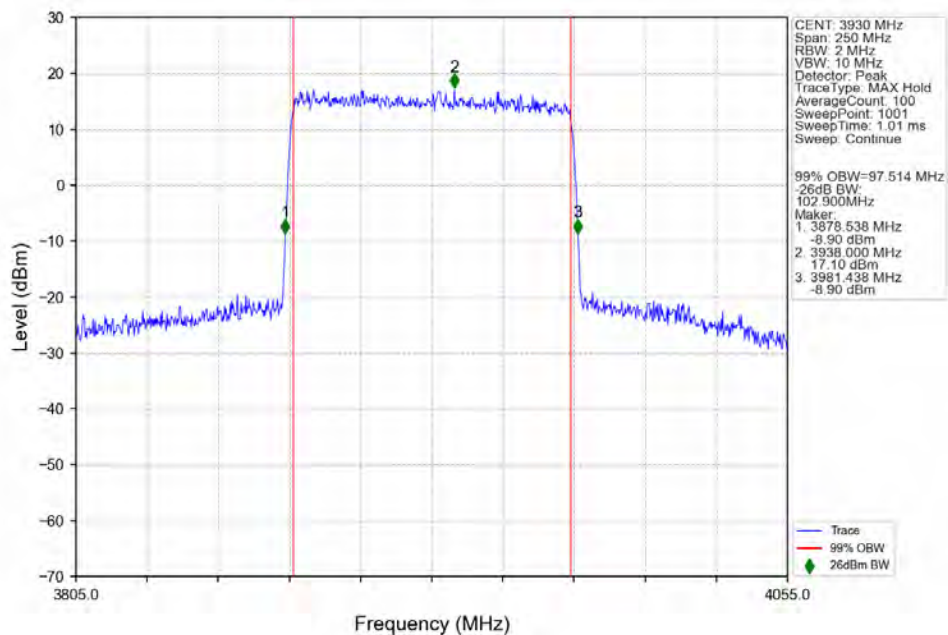
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_16\_QAM\_3750MHz\_Outer\_Full\_Ant1



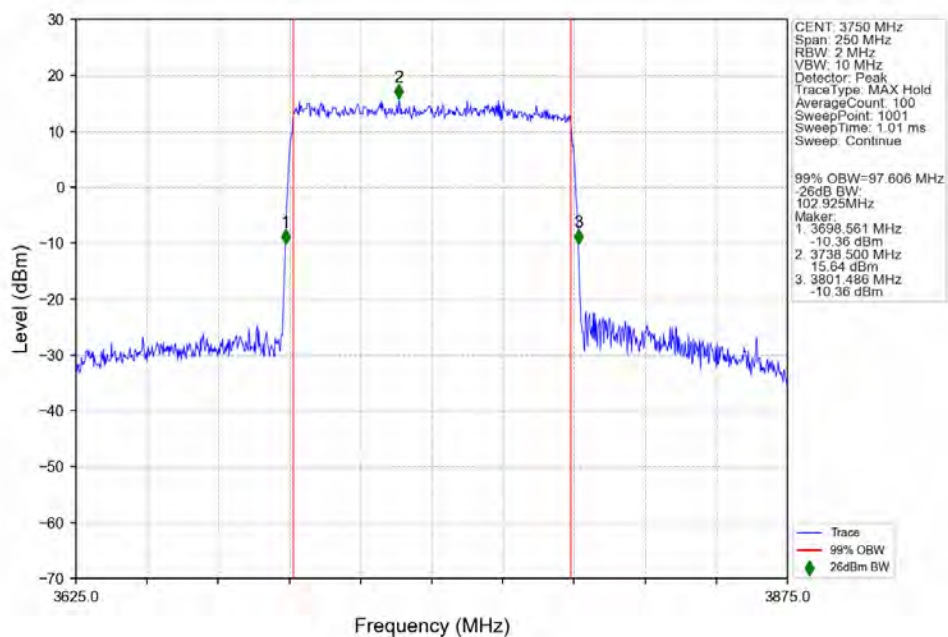
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant1



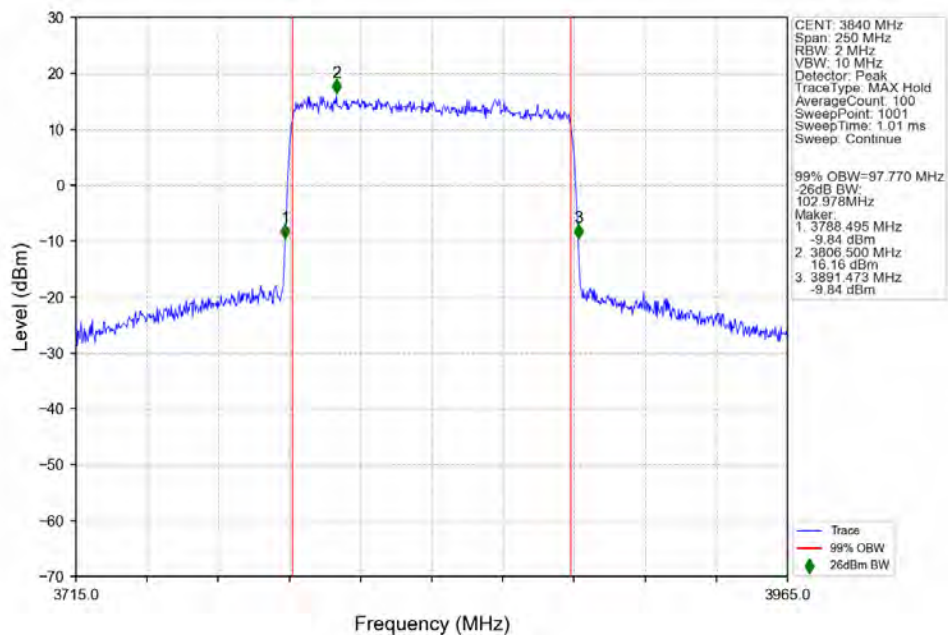
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_16\_QAM\_3930MHz\_Outer\_Full\_Ant1



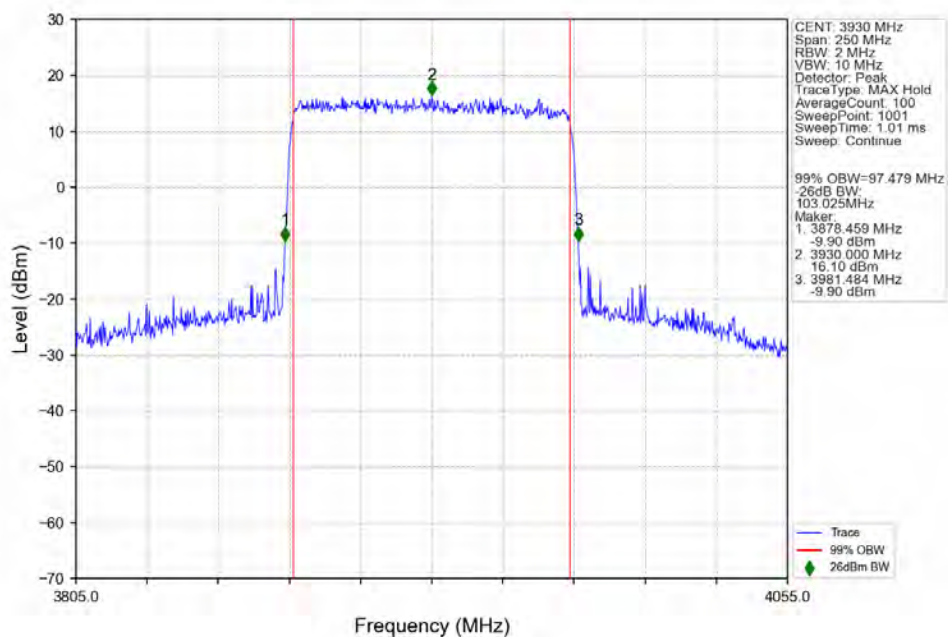
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_64\_QAM\_3750MHz\_Outer\_Full\_Ant1



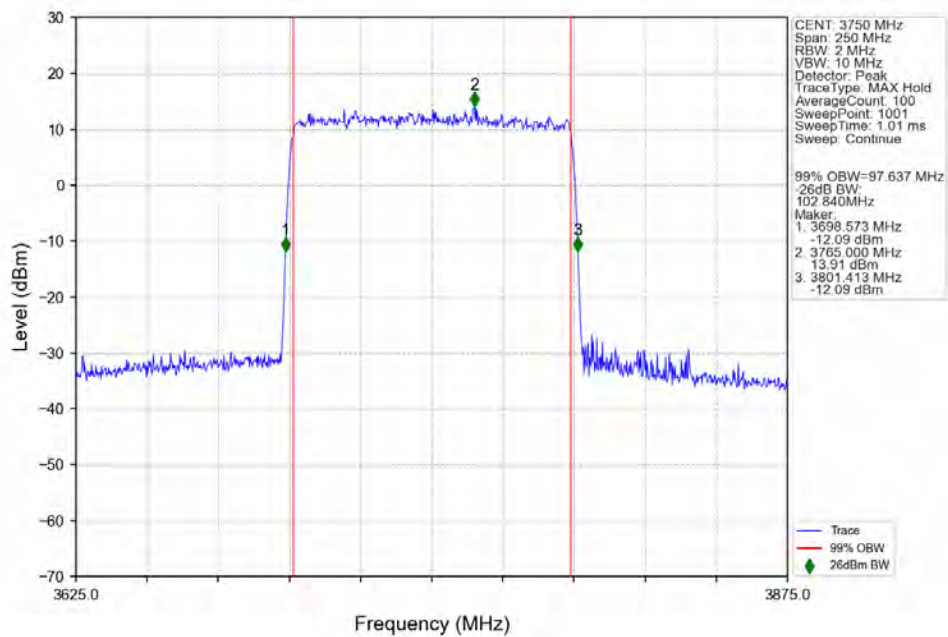
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant1



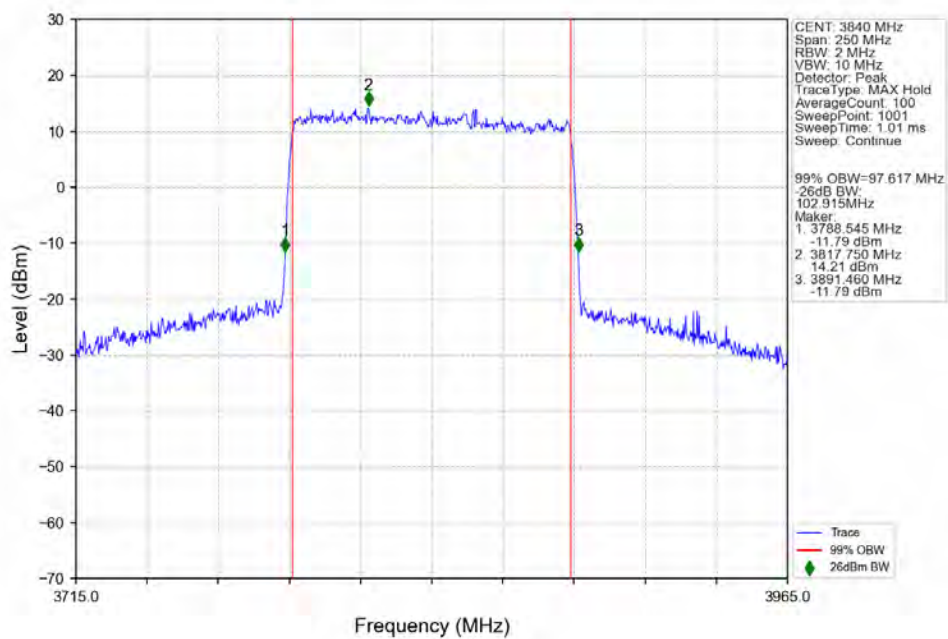
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_64\_QAM\_3930MHz\_Outer\_Full\_Ant1



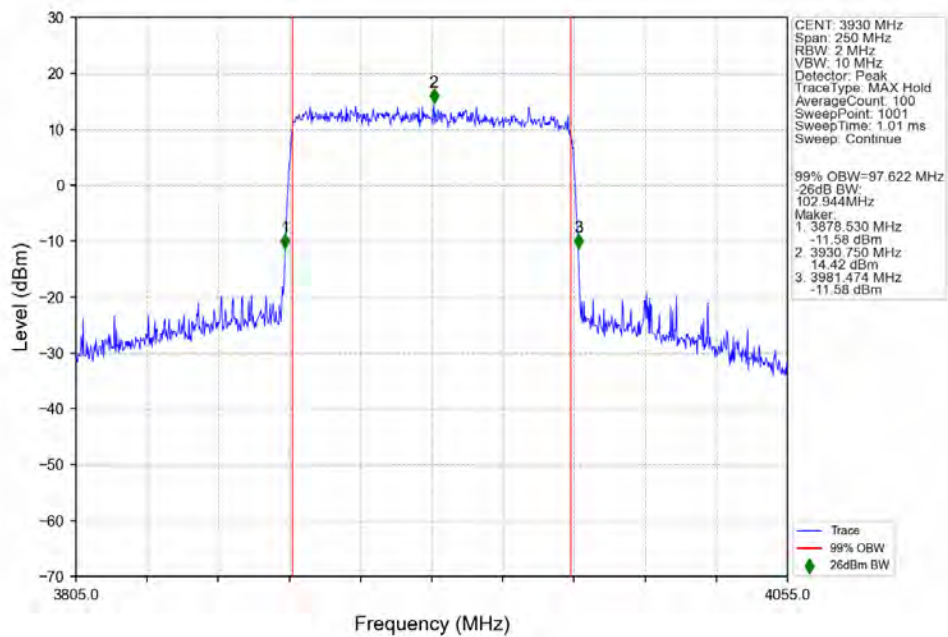
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_256\_QAM\_3750MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_256\_QAM\_3930MHz\_Outer\_Full\_Ant1



## 4. Peak-Average Ratio

### 4.1 Test Result

#### 4.1.1 30k\_SISO\_10MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 10MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3705            | Outer Full    | 4.54                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 4.36                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 4.60                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3705            | Outer Full    | 5.78                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 5.68                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 5.94                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3705            | Outer Full    | 6.66                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.62                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 6.82                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3705            | Outer Full    | 6.82                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.52                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 6.74                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3705            | Outer Full    | 6.84                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.70                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 7.08                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3705            | Outer Full    | 8.42                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.16                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 8.62                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 3705            | Outer Full    | 8.50                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.56                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 8.92                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 3705            | Outer Full    | 8.18                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.04                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 8.48                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 3705            | Outer Full    | 8.72                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.50                    | /    | /   | <=13  | Pass    |
|                                     | 3975            | Outer Full    | 8.80                    | /    | /   | <=13  | Pass    |

#### 4.1.2 30k\_SISO\_15MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 15MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3707.52         | Outer Full    | 4.58                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 4.42                    | /    | /   | <=13  | Pass    |
|                                     | 3972.48         | Outer Full    | 4.62                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3707.52         | Outer Full    | 5.86                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 5.60                    | /    | /   | <=13  | Pass    |
|                                     | 3972.48         | Outer Full    | 5.92                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3707.52         | Outer Full    | 6.38                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.32                    | /    | /   | <=13  | Pass    |
|                                     | 3972.48         | Outer Full    | 6.48                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3707.52         | Outer Full    | 6.70                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.54                    | /    | /   | <=13  | Pass    |
|                                     | 3972.48         | Outer Full    | 6.80                    | /    | /   | <=13  | Pass    |

|                    |         |            |      |   |   |      |      |
|--------------------|---------|------------|------|---|---|------|------|
| DFT-s-OFDM 256 QAM | 3707.52 | Outer_Full | 6.84 | / | / | <=13 | Pass |
|                    | 3840    | Outer_Full | 6.66 | / | / | <=13 | Pass |
|                    | 3972.48 | Outer_Full | 7.00 | / | / | <=13 | Pass |
| CP-OFDM QPSK       | 3707.52 | Outer_Full | 8.50 | / | / | <=13 | Pass |
|                    | 3840    | Outer_Full | 8.20 | / | / | <=13 | Pass |
|                    | 3972.48 | Outer_Full | 8.56 | / | / | <=13 | Pass |
| CP-OFDM 16 QAM     | 3707.52 | Outer_Full | 8.22 | / | / | <=13 | Pass |
|                    | 3840    | Outer_Full | 7.96 | / | / | <=13 | Pass |
|                    | 3972.48 | Outer_Full | 8.30 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM     | 3707.52 | Outer_Full | 8.56 | / | / | <=13 | Pass |
|                    | 3840    | Outer_Full | 8.36 | / | / | <=13 | Pass |
|                    | 3972.48 | Outer_Full | 8.80 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM    | 3707.52 | Outer_Full | 8.46 | / | / | <=13 | Pass |
|                    | 3840    | Outer_Full | 8.26 | / | / | <=13 | Pass |
|                    | 3972.48 | Outer_Full | 8.54 | / | / | <=13 | Pass |

## 4.1.3 30k\_SISO\_20MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 20MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3710.01         | Outer_Full    | 4.56                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 4.42                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 4.58                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3710.01         | Outer_Full    | 5.72                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 5.54                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 5.80                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3710.01         | Outer_Full    | 6.58                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.32                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 6.58                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3710.01         | Outer_Full    | 6.66                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.48                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 6.70                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3710.01         | Outer_Full    | 6.64                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.56                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 6.82                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3710.01         | Outer_Full    | 8.42                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.28                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 8.56                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 3710.01         | Outer_Full    | 8.38                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.10                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 8.42                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 3710.01         | Outer_Full    | 8.42                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.30                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 8.60                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 3710.01         | Outer_Full    | 8.50                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.18                    | /    | /   | <=13  | Pass    |
|                                     | 3969.99         | Outer_Full    | 8.46                    | /    | /   | <=13  | Pass    |

## 4.1.4 30k\_SISO\_25MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 25MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3712.5          | Outer_Full    | 4.54                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 4.40                    | /    | /   | <=13  | Pass    |

|                    |        |            |      |   |   |      |      |
|--------------------|--------|------------|------|---|---|------|------|
|                    | 3967.5 | Outer Full | 4.50 | / | / | <=13 | Pass |
| DFT-s-OFDM QPSK    | 3712.5 | Outer Full | 5.86 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 5.62 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 5.78 | / | / | <=13 | Pass |
| DFT-s-OFDM 16 QAM  | 3712.5 | Outer Full | 6.42 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 6.26 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 6.44 | / | / | <=13 | Pass |
| DFT-s-OFDM 64 QAM  | 3712.5 | Outer Full | 6.70 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 6.48 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 6.76 | / | / | <=13 | Pass |
| DFT-s-OFDM 256 QAM | 3712.5 | Outer Full | 6.76 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 6.60 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 6.86 | / | / | <=13 | Pass |
| CP-OFDM QPSK       | 3712.5 | Outer Full | 8.38 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 8.18 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 8.46 | / | / | <=13 | Pass |
| CP-OFDM 16 QAM     | 3712.5 | Outer Full | 8.44 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 8.20 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 8.54 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM     | 3712.5 | Outer Full | 8.48 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 8.18 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 8.74 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM    | 3712.5 | Outer Full | 8.52 | / | / | <=13 | Pass |
|                    | 3840   | Outer Full | 8.34 | / | / | <=13 | Pass |
|                    | 3967.5 | Outer Full | 8.48 | / | / | <=13 | Pass |

## 4.1.5 30k\_SISO\_30MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 30MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3715.02         | Outer Full    | 4.52                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 4.36                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 4.54                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3715.02         | Outer Full    | 12.18                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 5.58                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 5.74                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3715.02         | Outer Full    | 12.28                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.38                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 6.50                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3715.02         | Outer Full    | 12.18                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.46                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 6.64                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3715.02         | Outer Full    | 6.68                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.54                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 6.72                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3715.02         | Outer Full    | 8.36                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.12                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 8.42                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 3715.02         | Outer Full    | 8.30                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.16                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 8.42                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 3715.02         | Outer Full    | 8.44                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.22                    | /    | /   | <=13  | Pass    |
|                                     | 3964.98         | Outer Full    | 8.50                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 3715.02         | Outer Full    | 8.70                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 8.48                    | /    | /   | <=13  | Pass    |

|  |         |            |      |   |   |      |      |
|--|---------|------------|------|---|---|------|------|
|  | 3964.98 | Outer_Full | 8.66 | / | / | <=13 | Pass |
|--|---------|------------|------|---|---|------|------|

## 4.1.6 30k\_SISO\_40MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 40MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3720            | Outer_Full    | 4.46                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 4.38                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 4.54                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3720            | Outer_Full    | 5.70                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 5.58                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 5.78                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3720            | Outer_Full    | 6.38                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.24                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 6.46                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3720            | Outer_Full    | 6.64                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.52                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 6.66                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3720            | Outer_Full    | 6.76                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.60                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 6.78                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3720            | Outer_Full    | 8.42                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.18                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 8.42                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 3720            | Outer_Full    | 8.46                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.22                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 8.46                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 3720            | Outer_Full    | 8.38                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.22                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 8.42                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 3720            | Outer_Full    | 8.62                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.46                    | /    | /   | <=13  | Pass    |
|                                     | 3960            | Outer_Full    | 8.62                    | /    | /   | <=13  | Pass    |

## 4.1.7 30k\_SISO\_50MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 50MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3725.01         | Outer_Full    | 4.72                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 4.62                    | /    | /   | <=13  | Pass    |
|                                     | 3954.99         | Outer_Full    | 4.76                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3725.01         | Outer_Full    | 5.68                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 5.56                    | /    | /   | <=13  | Pass    |
|                                     | 3954.99         | Outer_Full    | 5.76                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3725.01         | Outer_Full    | 6.40                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.22                    | /    | /   | <=13  | Pass    |
|                                     | 3954.99         | Outer_Full    | 6.40                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3725.01         | Outer_Full    | 6.62                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.46                    | /    | /   | <=13  | Pass    |
|                                     | 3954.99         | Outer_Full    | 6.68                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3725.01         | Outer_Full    | 6.74                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.64                    | /    | /   | <=13  | Pass    |
|                                     | 3954.99         | Outer_Full    | 6.84                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3725.01         | Outer_Full    | 8.38                    | /    | /   | <=13  | Pass    |

|                 |         |            |      |   |   |      |      |
|-----------------|---------|------------|------|---|---|------|------|
| CP-OFDM 16 QAM  | 3840    | Outer_Full | 8.14 | / | / | <=13 | Pass |
|                 | 3954.99 | Outer_Full | 8.38 | / | / | <=13 | Pass |
|                 | 3725.01 | Outer_Full | 8.32 | / | / | <=13 | Pass |
|                 | 3840    | Outer_Full | 8.12 | / | / | <=13 | Pass |
|                 | 3954.99 | Outer_Full | 8.42 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM  | 3725.01 | Outer_Full | 8.30 | / | / | <=13 | Pass |
|                 | 3840    | Outer_Full | 8.08 | / | / | <=13 | Pass |
|                 | 3954.99 | Outer_Full | 8.42 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM | 3725.01 | Outer_Full | 8.56 | / | / | <=13 | Pass |
|                 | 3840    | Outer_Full | 8.36 | / | / | <=13 | Pass |
|                 | 3954.99 | Outer_Full | 8.62 | / | / | <=13 | Pass |

## 4.1.8 30k\_SISO\_60MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 60MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3730.02         | Outer_Full    | 4.58                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 4.40                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 4.56                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3730.02         | Outer_Full    | 12.48                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 5.60                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 5.76                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3730.02         | Outer_Full    | 12.60                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.28                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 6.46                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3730.02         | Outer_Full    | 12.24                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.54                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 6.68                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3730.02         | Outer_Full    | 12.14                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 6.58                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 6.72                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3730.02         | Outer_Full    | 12.12                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.16                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 8.40                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 3730.02         | Outer_Full    | 12.38                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.18                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 8.42                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 3730.02         | Outer_Full    | 12.24                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.18                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 8.40                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 3730.02         | Outer_Full    | 12.14                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 8.32                    | /    | /   | <=13  | Pass    |
|                                     | 3949.98         | Outer_Full    | 8.50                    | /    | /   | <=13  | Pass    |

## 4.1.9 30k\_SISO\_70MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 70MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3735            | Outer_Full    | 4.66                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 4.52                    | /    | /   | <=13  | Pass    |
|                                     | 3945            | Outer_Full    | 8.54                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3735            | Outer_Full    | 12.52                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer_Full    | 9.64                    | /    | /   | <=13  | Pass    |
|                                     | 3945            | Outer_Full    | 9.72                    | /    | /   | <=13  | Pass    |

|                    |      |            |       |   |   |      |      |
|--------------------|------|------------|-------|---|---|------|------|
| DFT-s-OFDM 16 QAM  | 3735 | Outer Full | 12.52 | / | / | <=13 | Pass |
|                    | 3840 | Outer Full | 9.76  | / | / | <=13 | Pass |
|                    | 3945 | Outer Full | 9.62  | / | / | <=13 | Pass |
| DFT-s-OFDM 64 QAM  | 3735 | Outer Full | 12.26 | / | / | <=13 | Pass |
|                    | 3840 | Outer Full | 10.12 | / | / | <=13 | Pass |
|                    | 3945 | Outer Full | 10.34 | / | / | <=13 | Pass |
| DFT-s-OFDM 256 QAM | 3735 | Outer Full | 6.78  | / | / | <=13 | Pass |
|                    | 3840 | Outer Full | 10.52 | / | / | <=13 | Pass |
|                    | 3945 | Outer Full | 9.96  | / | / | <=13 | Pass |
| CP-OFDM QPSK       | 3735 | Outer Full | 8.42  | / | / | <=13 | Pass |
|                    | 3840 | Outer Full | 9.98  | / | / | <=13 | Pass |
|                    | 3945 | Outer Full | 10.02 | / | / | <=13 | Pass |
| CP-OFDM 16 QAM     | 3735 | Outer Full | 8.36  | / | / | <=13 | Pass |
|                    | 3840 | Outer Full | 10.02 | / | / | <=13 | Pass |
|                    | 3945 | Outer Full | 10.80 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM     | 3735 | Outer Full | 8.52  | / | / | <=13 | Pass |
|                    | 3840 | Outer Full | 10.44 | / | / | <=13 | Pass |
|                    | 3945 | Outer Full | 10.46 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM    | 3735 | Outer Full | 8.56  | / | / | <=13 | Pass |
|                    | 3840 | Outer Full | 10.80 | / | / | <=13 | Pass |
|                    | 3945 | Outer Full | 10.88 | / | / | <=13 | Pass |

## 4.1.10 30k\_SISO\_80MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 80MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3740.01         | Outer Full    | 9.20                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 9.38                    | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 9.24                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3740.01         | Outer Full    | 9.64                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 9.44                    | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 9.64                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3740.01         | Outer Full    | 9.52                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 10.16                   | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 10.40                   | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3740.01         | Outer Full    | 9.90                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 9.90                    | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 10.60                   | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3740.01         | Outer Full    | 9.96                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 10.38                   | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 10.78                   | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3740.01         | Outer Full    | 10.96                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 10.94                   | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 11.64                   | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 3740.01         | Outer Full    | 10.46                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 10.64                   | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 11.62                   | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 3740.01         | Outer Full    | 10.26                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 10.66                   | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 10.76                   | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 3740.01         | Outer Full    | 11.22                   | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 11.50                   | /    | /   | <=13  | Pass    |
|                                     | 3939.99         | Outer Full    | 12.26                   | /    | /   | <=13  | Pass    |

## 4.1.11 30k\_SISO\_90MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 90MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3745.02         | Outer Full    | 6.18                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.26                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.08                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 3745.02         | Outer Full    | 6.82                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.40                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.24                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3745.02         | Outer Full    | 7.84                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.52                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.38                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3745.02         | Outer Full    | 7.82                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.46                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.42                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3745.02         | Outer Full    | 7.90                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.52                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.44                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 3745.02         | Outer Full    | 8.12                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.60                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.54                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 3745.02         | Outer Full    | 7.40                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.60                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.50                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 3745.02         | Outer Full    | 8.00                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.72                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.56                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 3745.02         | Outer Full    | 8.78                    | /    | /   | <=13  | Pass    |
|                                     | 3840            | Outer Full    | 6.62                    | /    | /   | <=13  | Pass    |
|                                     | 3934.98         | Outer Full    | 6.86                    | /    | /   | <=13  | Pass    |

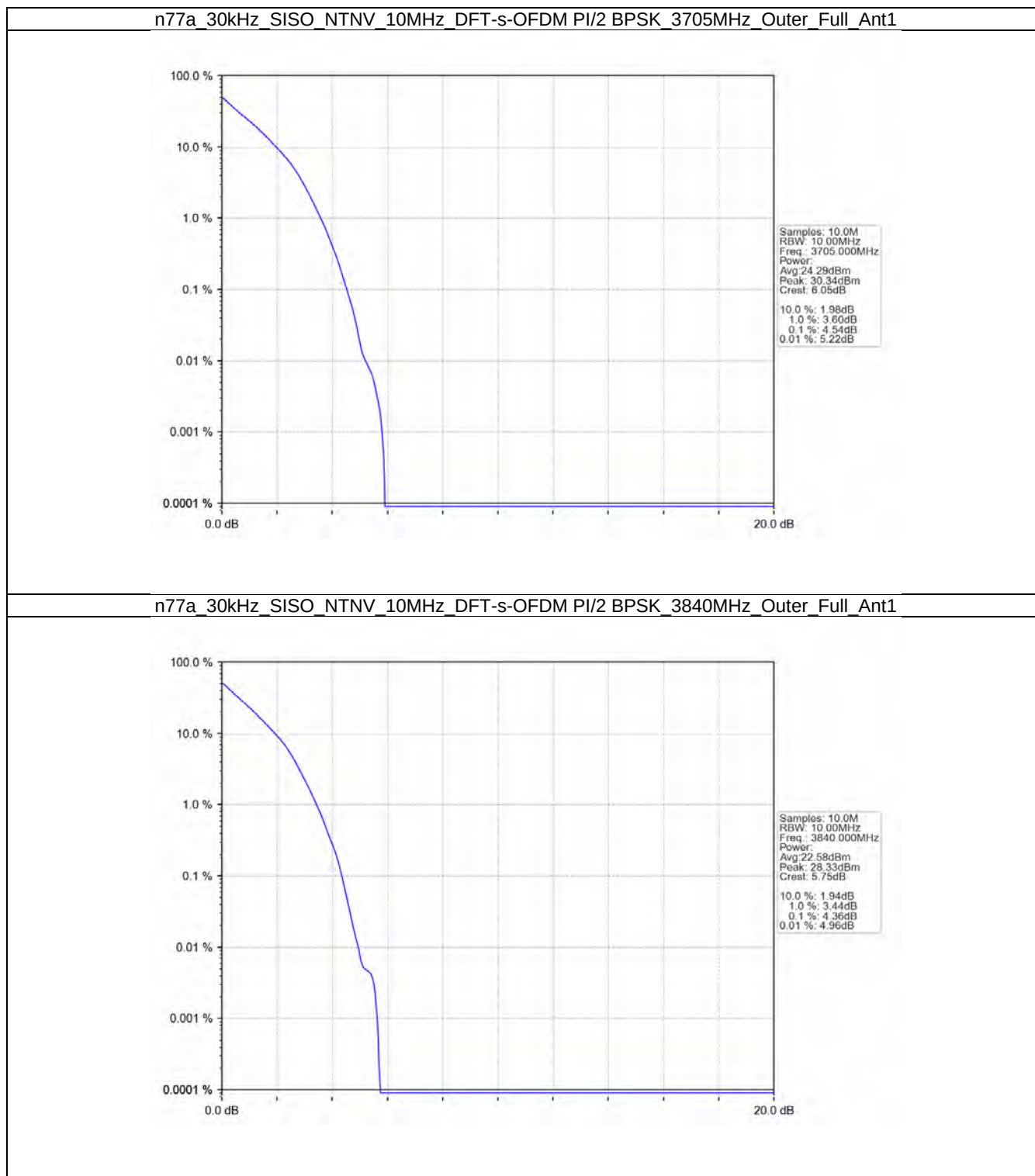
## 4.1.12 30k\_SISO\_100MHz\_NTN

| 5G NR n77a SCS=30kHz SISO 100MHz NTN |                 |               |                         |      |     |       |         |
|--------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                      |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                 | 3750            | Outer Full    | 6.36                    | /    | /   | <=13  | Pass    |
|                                      | 3840            | Outer Full    | 6.28                    | /    | /   | <=13  | Pass    |
|                                      | 3930            | Outer Full    | 6.18                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                      | 3750            | Outer Full    | 7.86                    | /    | /   | <=13  | Pass    |
|                                      | 3840            | Outer Full    | 6.48                    | /    | /   | <=13  | Pass    |
|                                      | 3930            | Outer Full    | 6.28                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                    | 3750            | Outer Full    | 7.12                    | /    | /   | <=13  | Pass    |
|                                      | 3840            | Outer Full    | 6.58                    | /    | /   | <=13  | Pass    |
|                                      | 3930            | Outer Full    | 6.50                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                    | 3750            | Outer Full    | 7.10                    | /    | /   | <=13  | Pass    |
|                                      | 3840            | Outer Full    | 6.60                    | /    | /   | <=13  | Pass    |
|                                      | 3930            | Outer Full    | 6.50                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                   | 3750            | Outer Full    | 7.26                    | /    | /   | <=13  | Pass    |
|                                      | 3840            | Outer Full    | 6.60                    | /    | /   | <=13  | Pass    |
|                                      | 3930            | Outer Full    | 6.50                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                         | 3750            | Outer Full    | 7.52                    | /    | /   | <=13  | Pass    |
|                                      | 3840            | Outer Full    | 6.76                    | /    | /   | <=13  | Pass    |
|                                      | 3930            | Outer Full    | 6.70                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                       | 3750            | Outer Full    | 7.46                    | /    | /   | <=13  | Pass    |
|                                      | 3840            | Outer Full    | 6.76                    | /    | /   | <=13  | Pass    |
|                                      | 3930            | Outer Full    | 6.72                    | /    | /   | <=13  | Pass    |

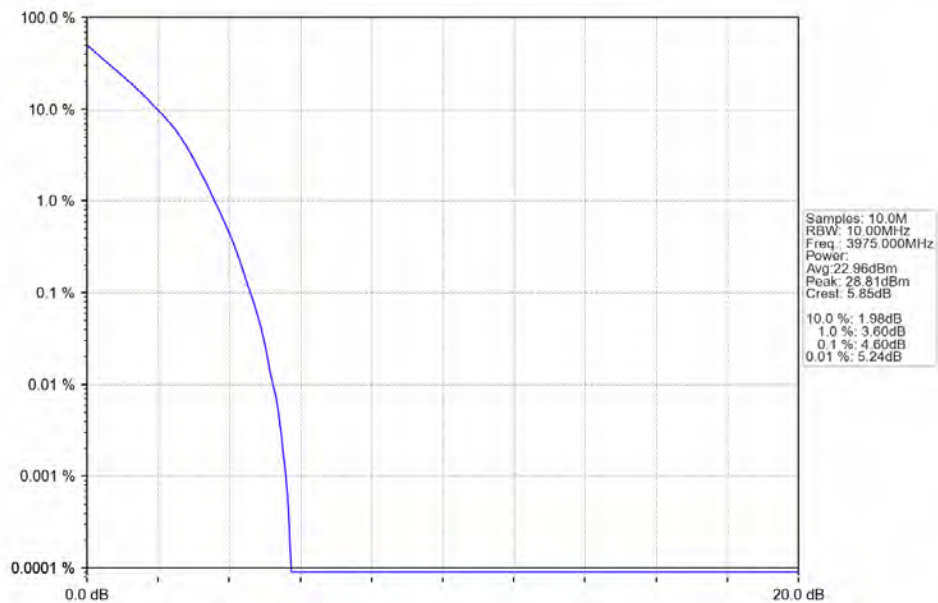
|                 |      |            |      |   |   |      |      |
|-----------------|------|------------|------|---|---|------|------|
| CP-OFDM 64 QAM  | 3750 | Outer Full | 8.04 | / | / | <=13 | Pass |
|                 | 3840 | Outer Full | 6.80 | / | / | <=13 | Pass |
|                 | 3930 | Outer Full | 6.70 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM | 3750 | Outer Full | 8.68 | / | / | <=13 | Pass |
|                 | 3840 | Outer Full | 6.86 | / | / | <=13 | Pass |
|                 | 3930 | Outer Full | 6.74 | / | / | <=13 | Pass |

## 4.2 Test Graph

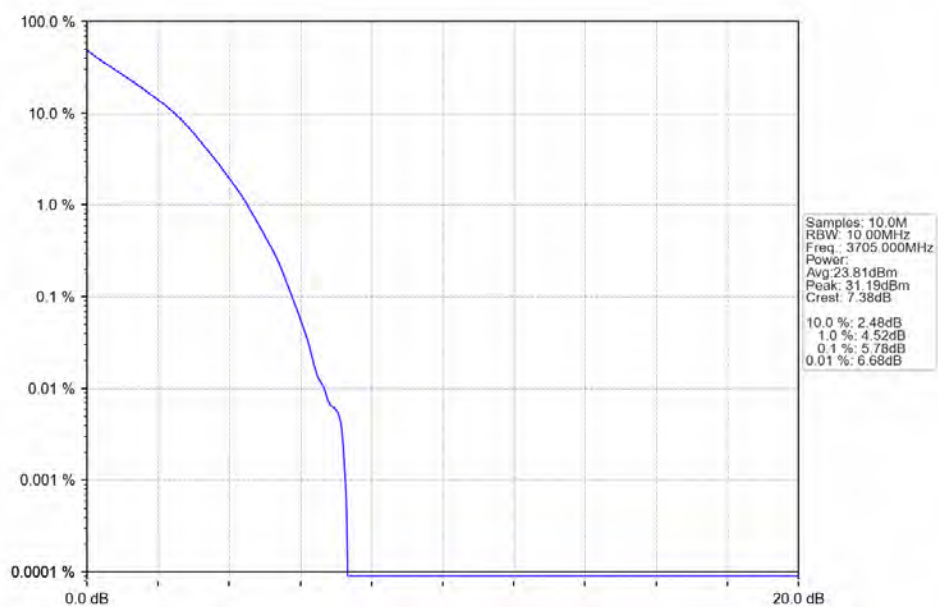
### 4.2.1 30k\_SISO\_10MHz\_NTNV



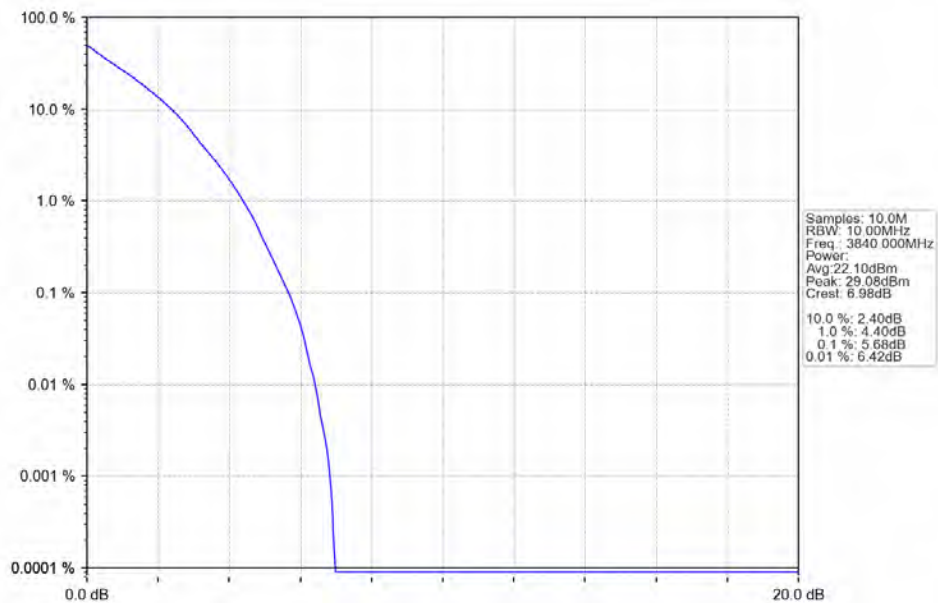
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3975MHz\_Outer\_Full\_Ant1



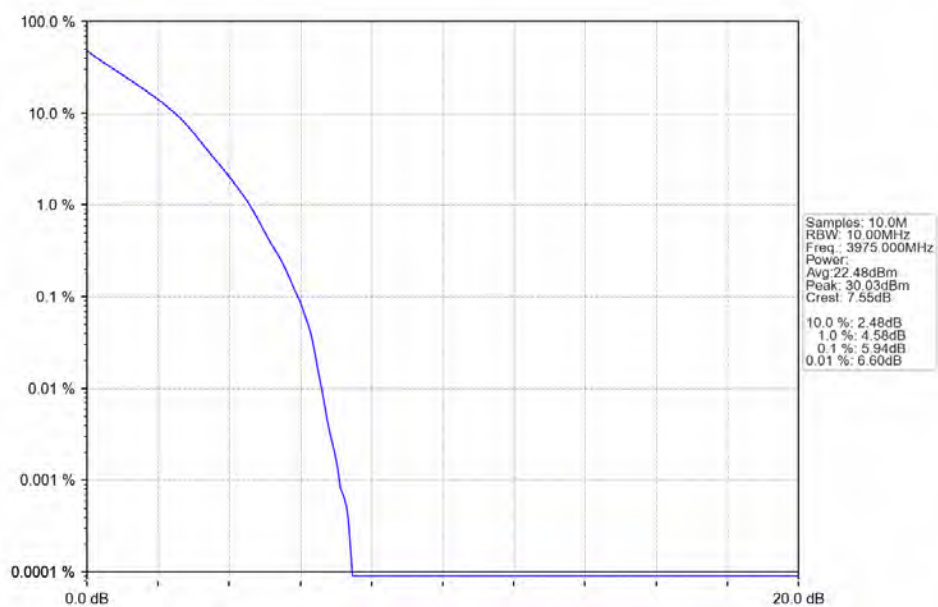
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Outer\_Full\_Ant1



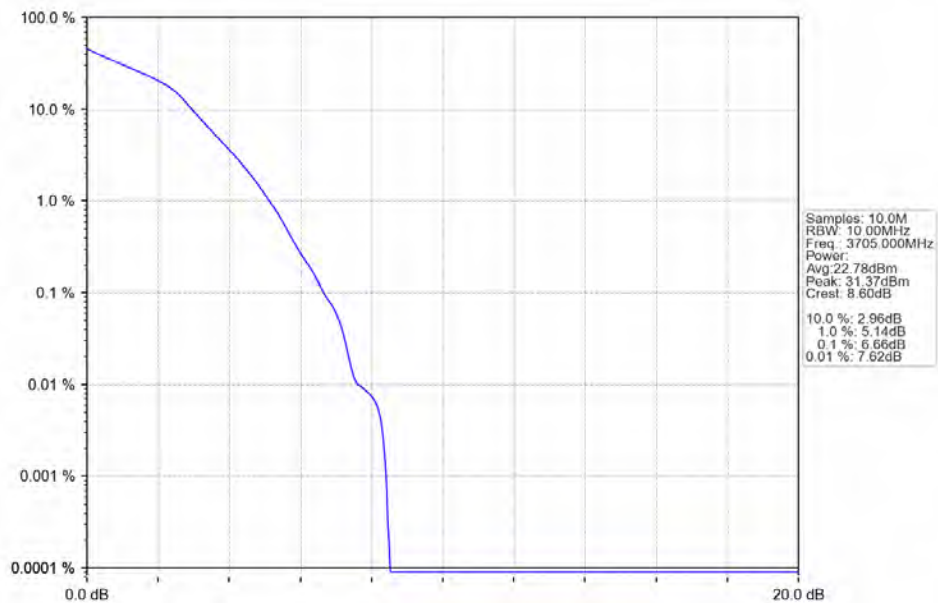
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant1



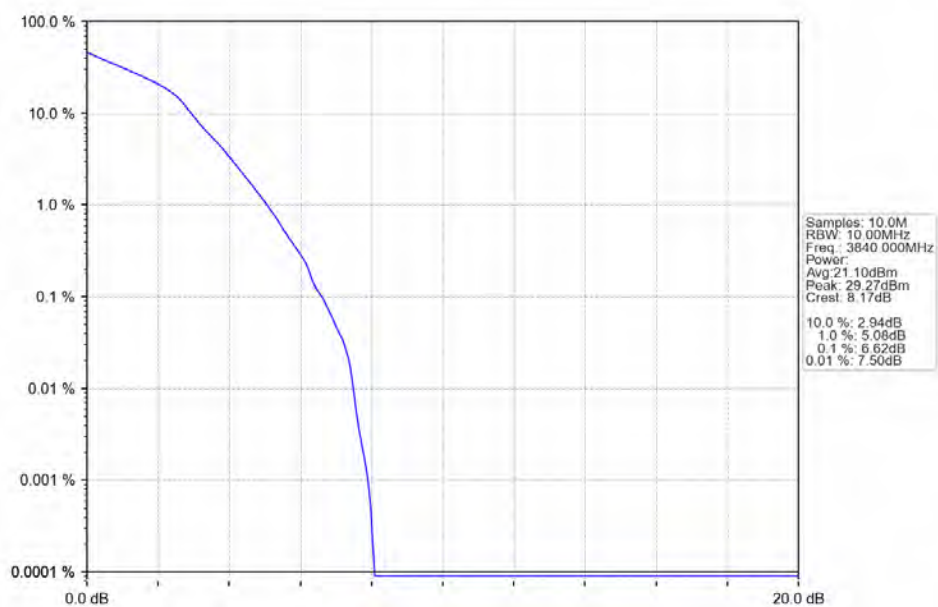
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Outer\_Full\_Ant1



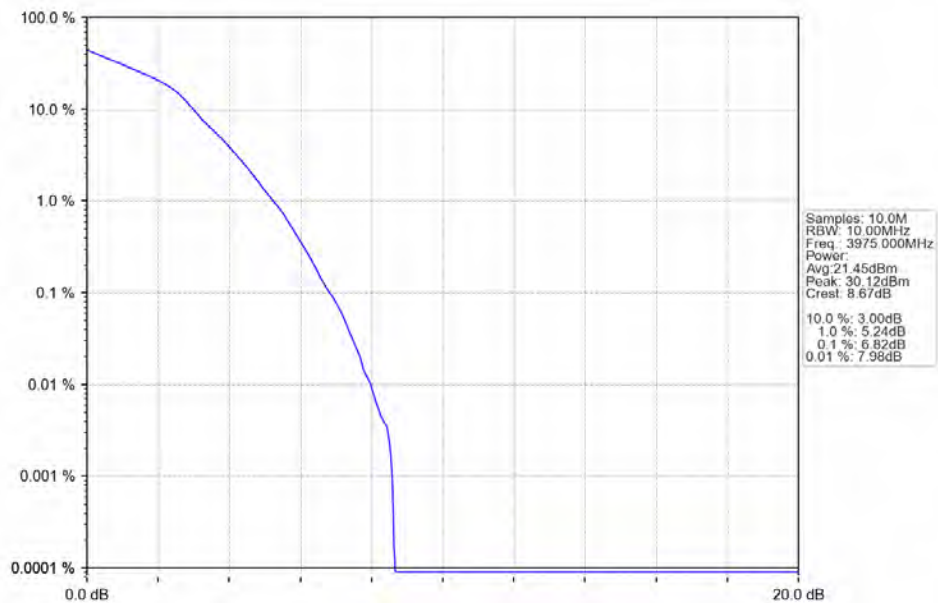
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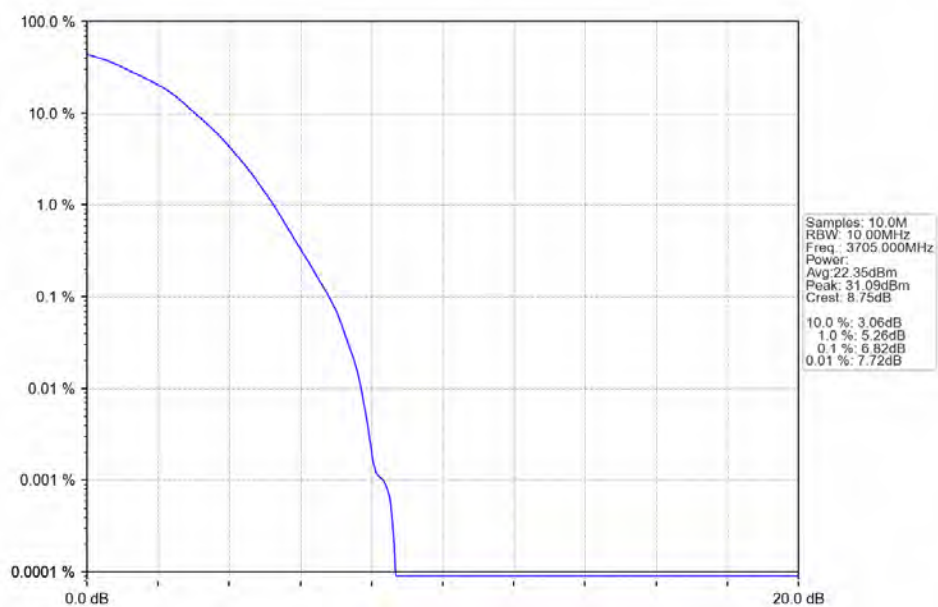
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant1



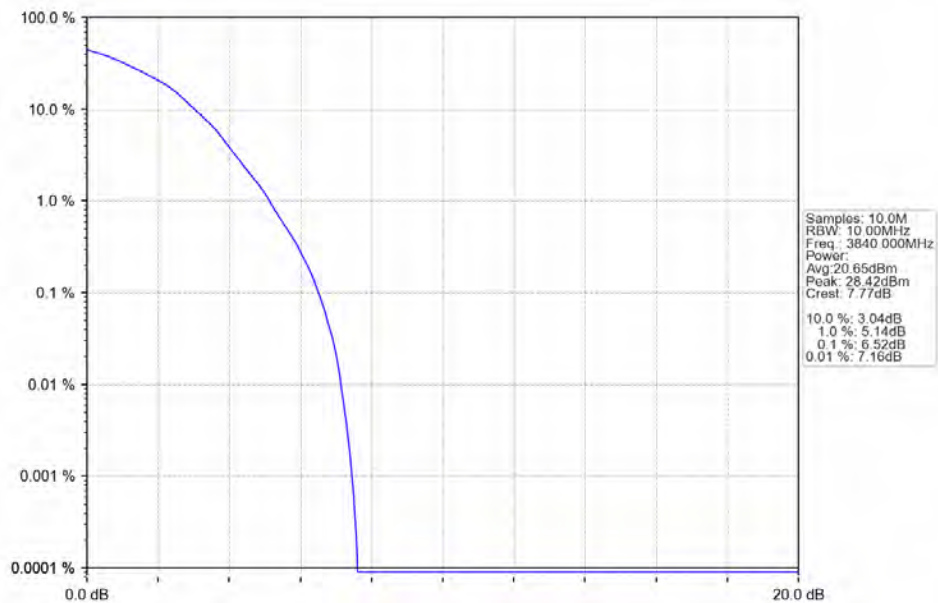
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_3975MHz\_Outer\_Full\_Ant1



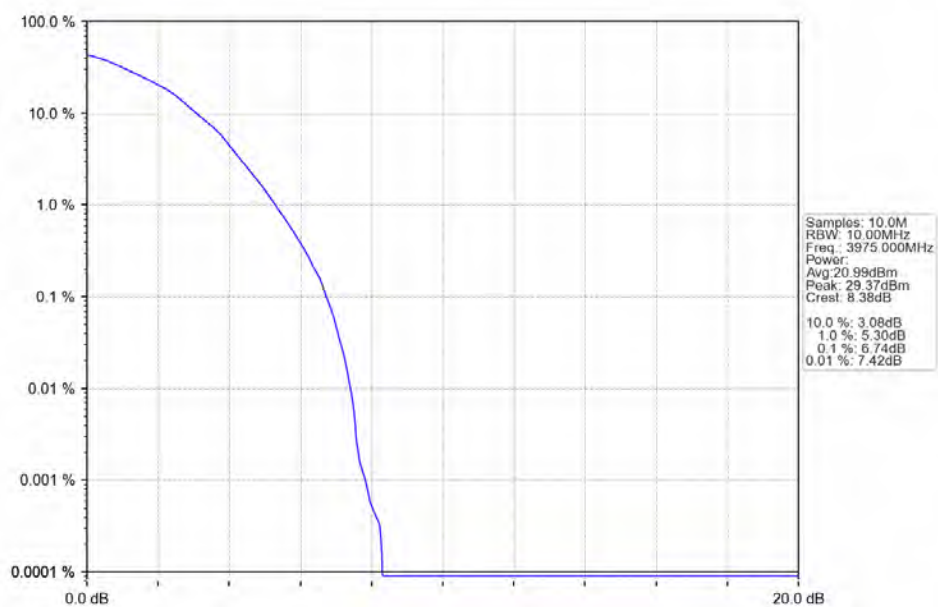
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_3705MHz\_Outer\_Full\_Ant1



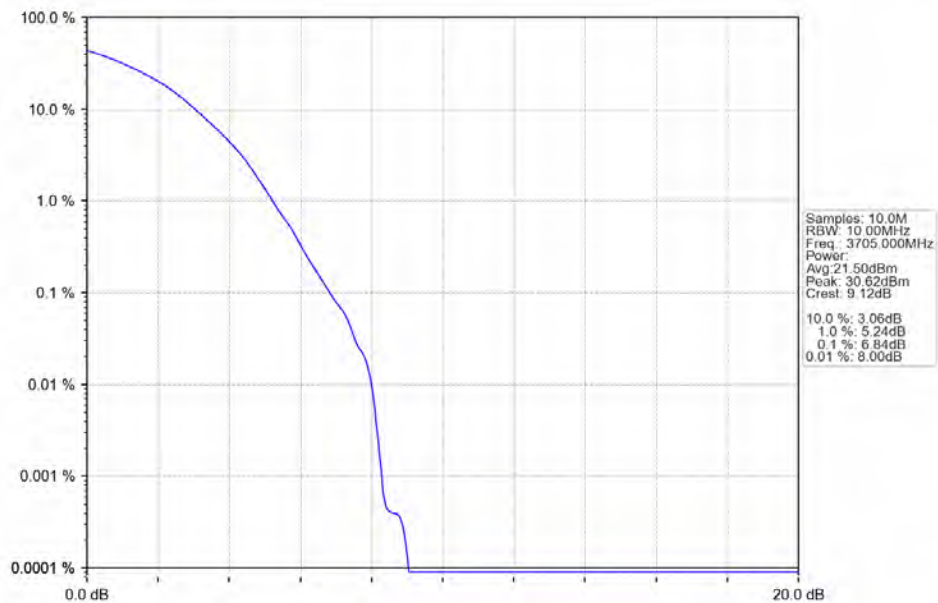
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant1



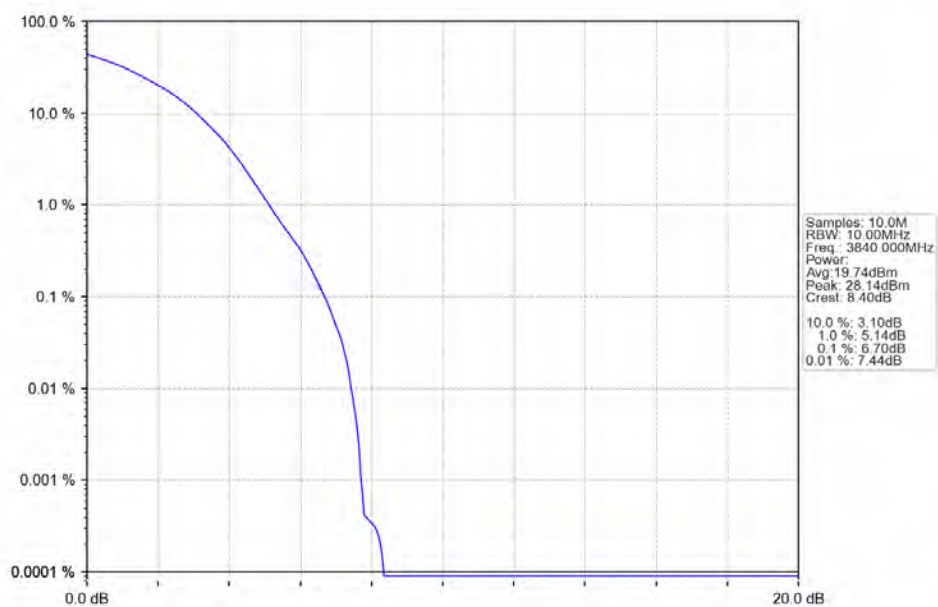
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_3975MHz\_Outer\_Full\_Ant1



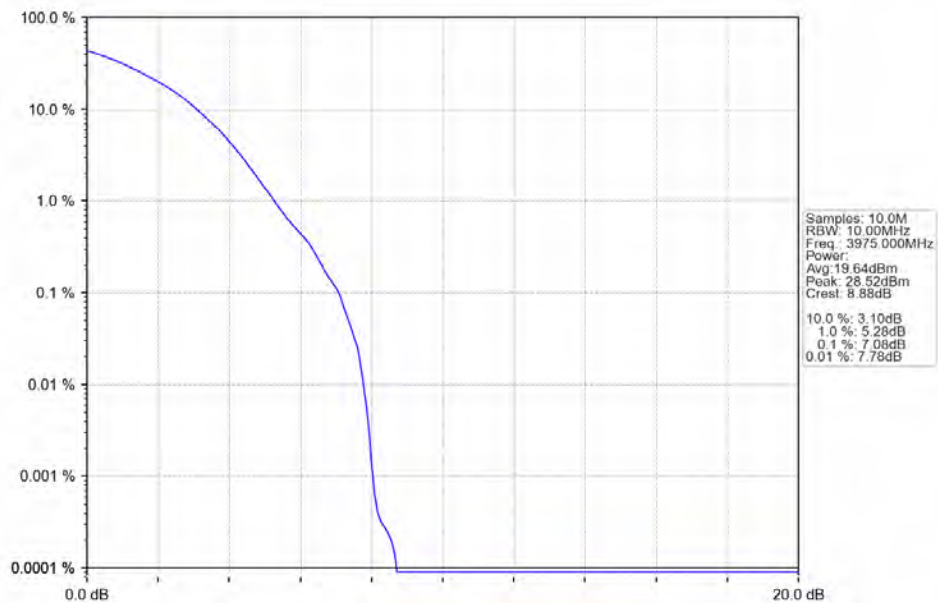
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_256\_QAM\_3705MHz\_Outer\_Full\_Ant1



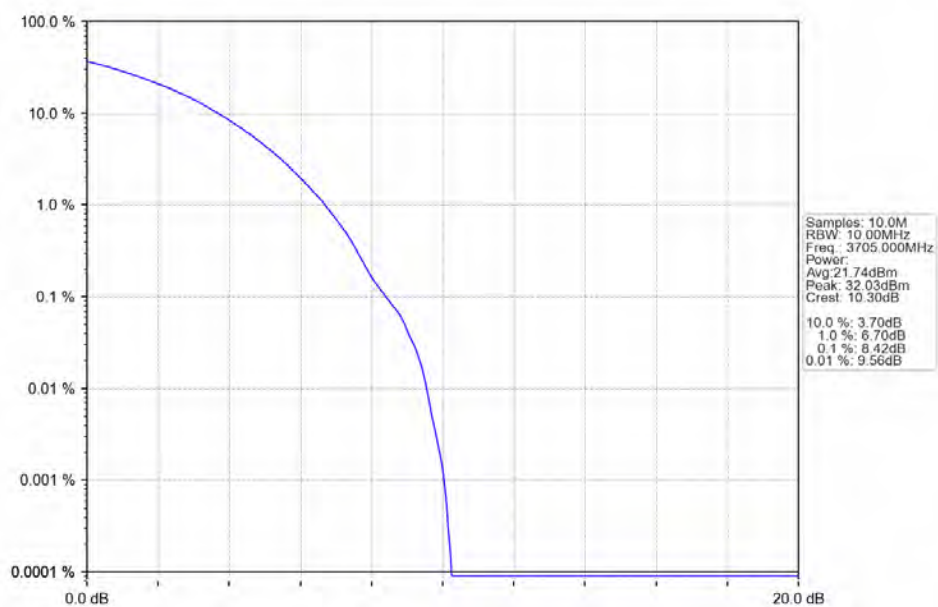
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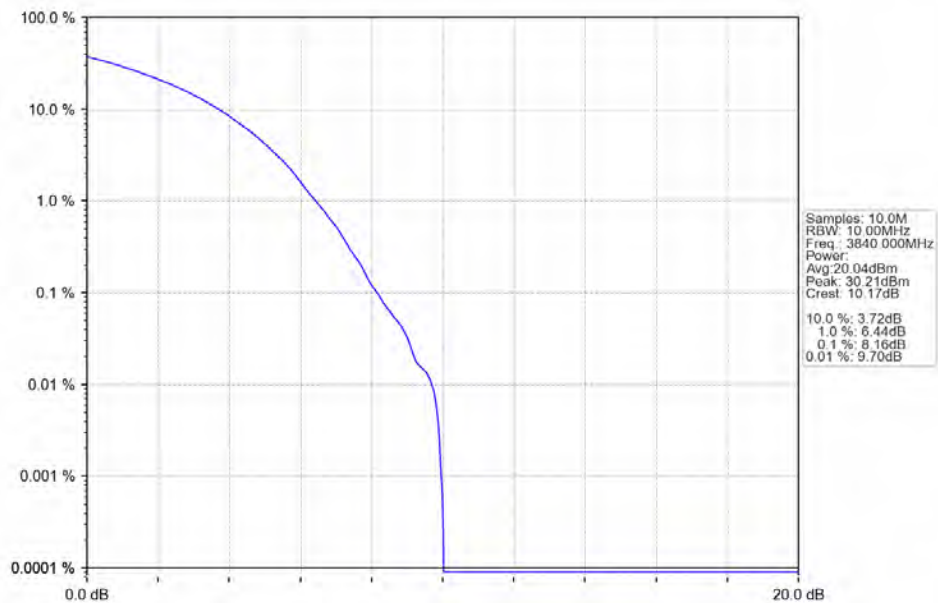
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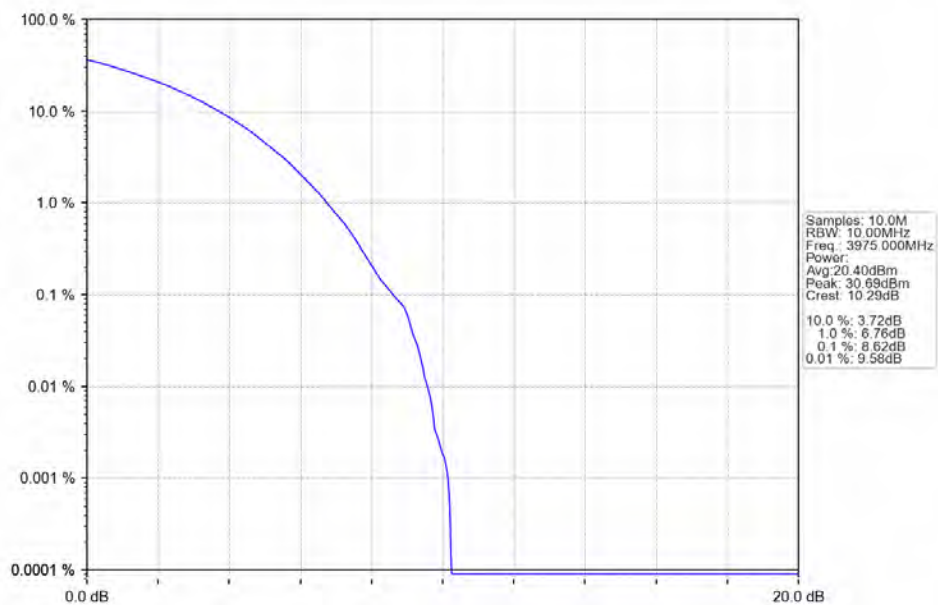
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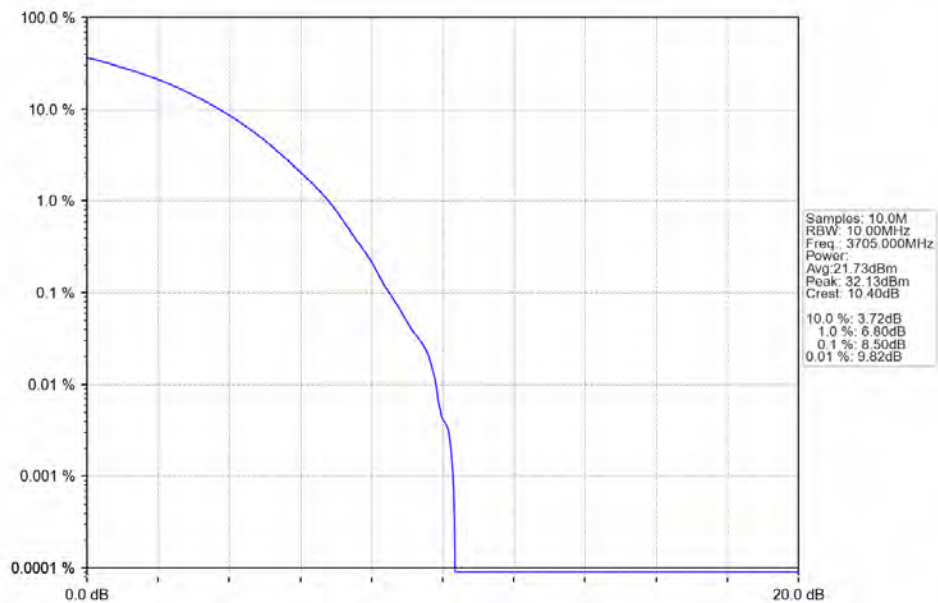
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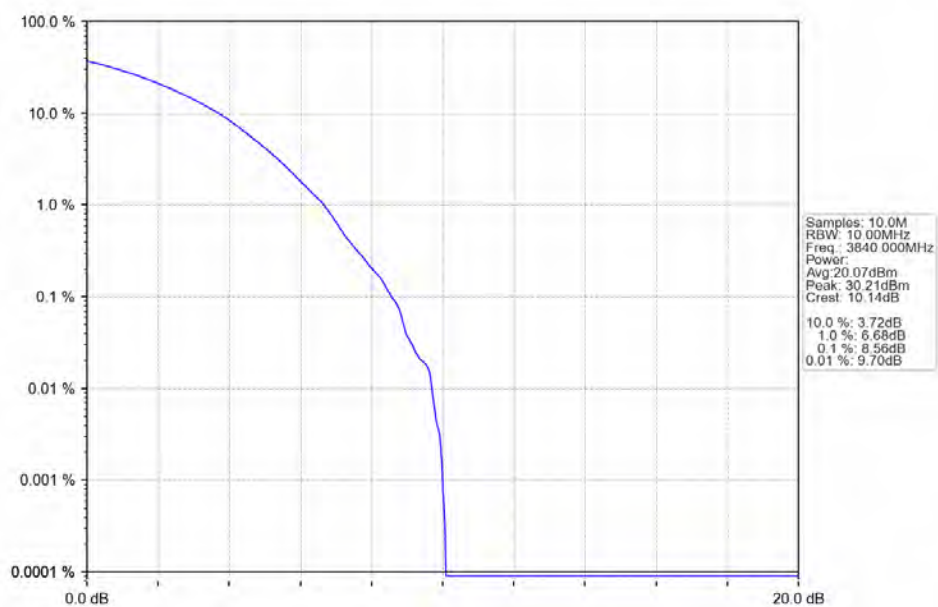
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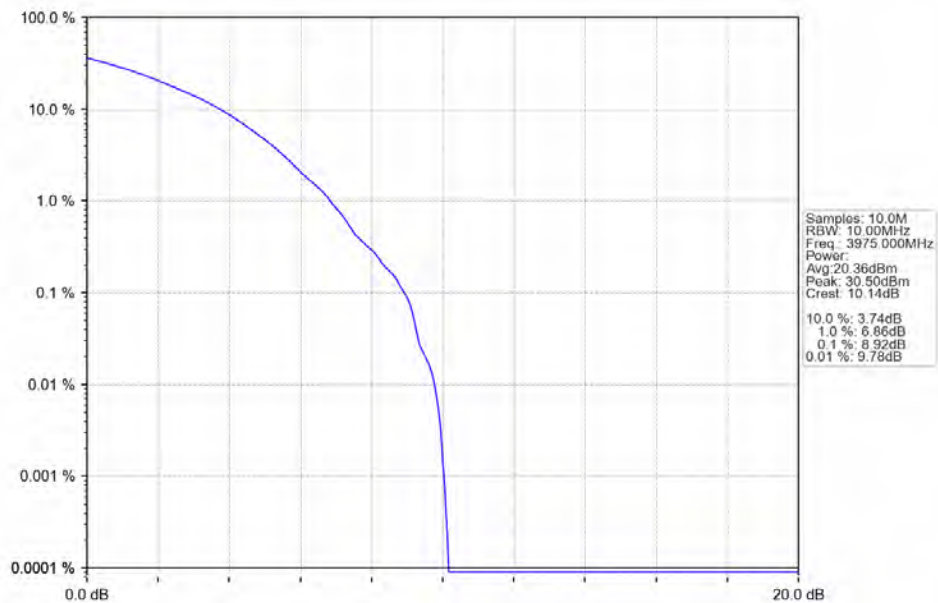
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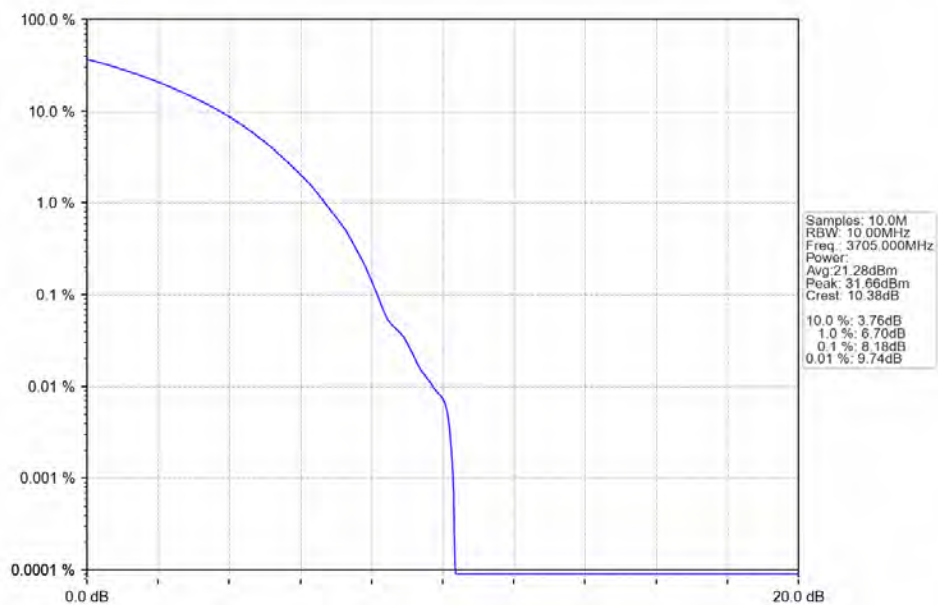
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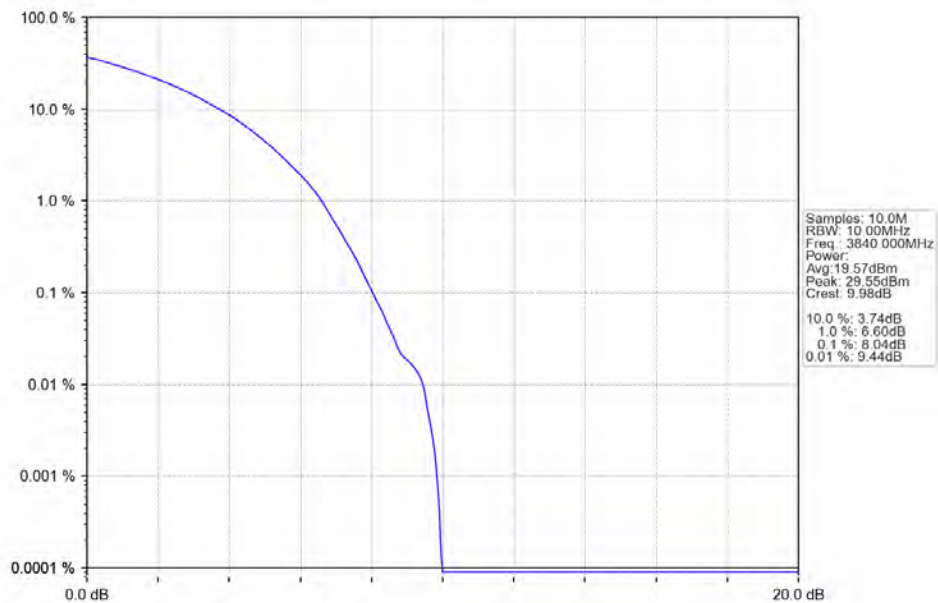
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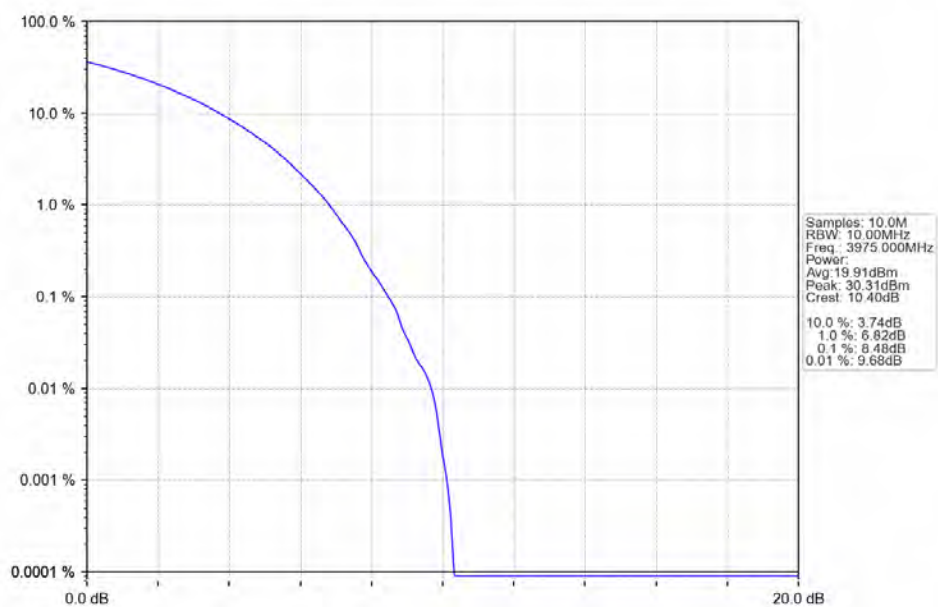
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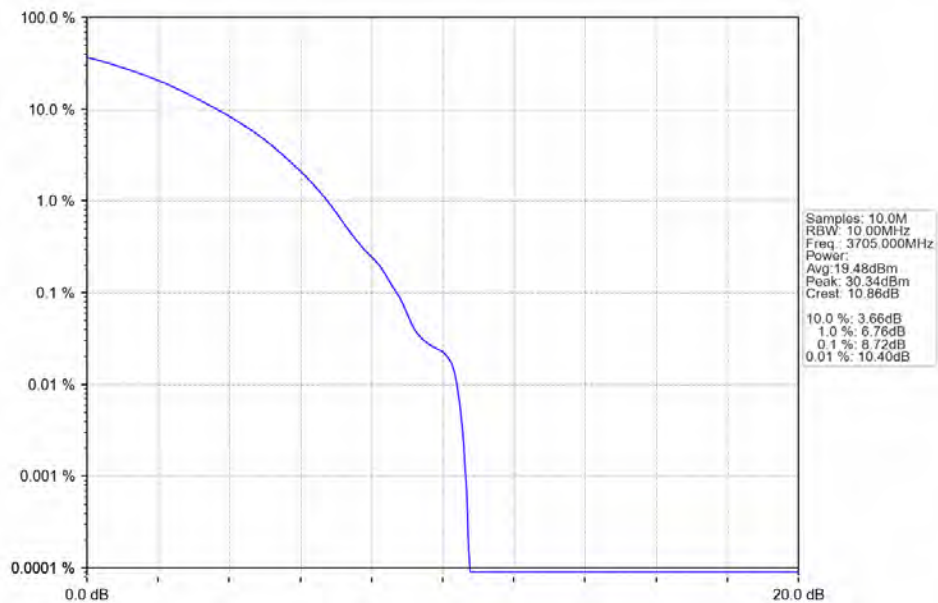
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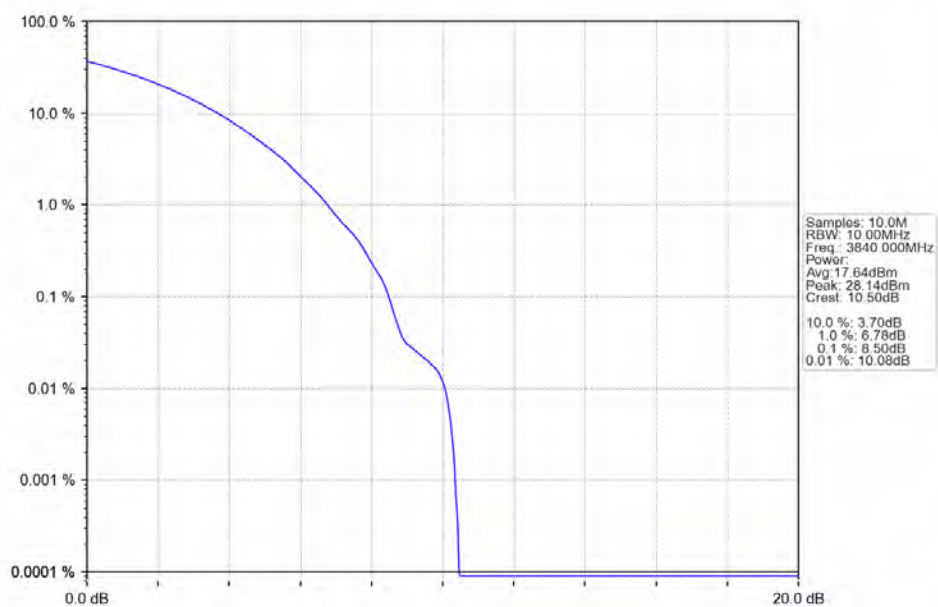
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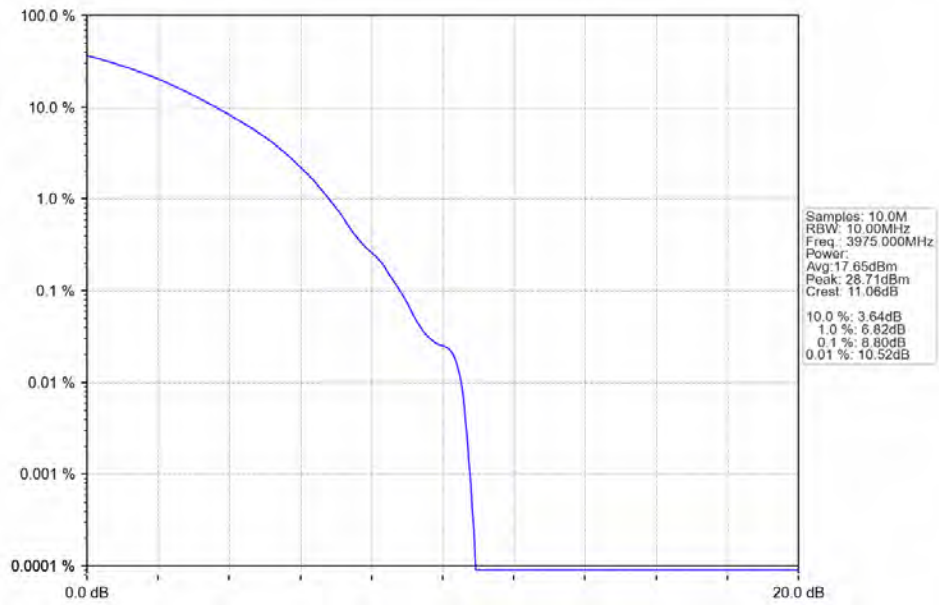
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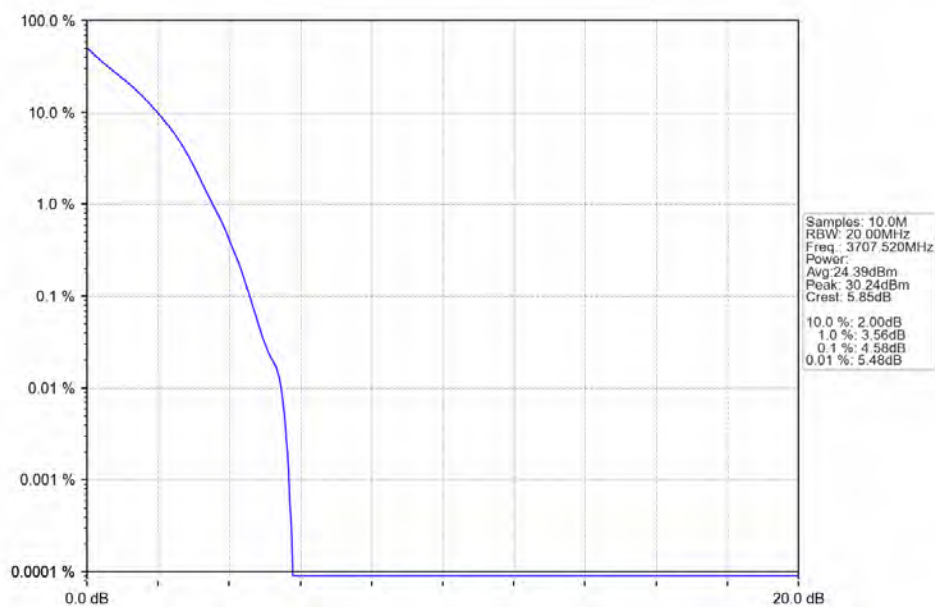


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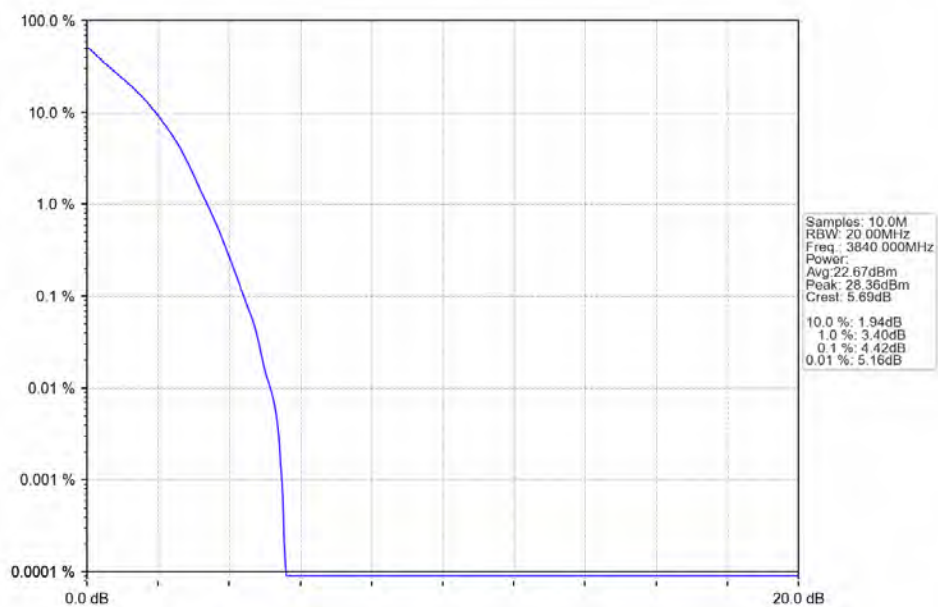


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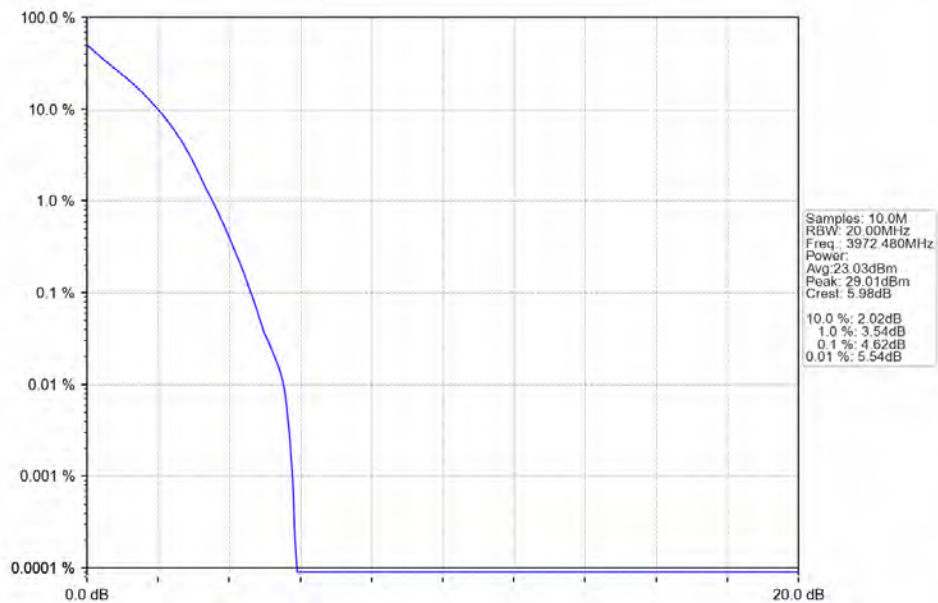
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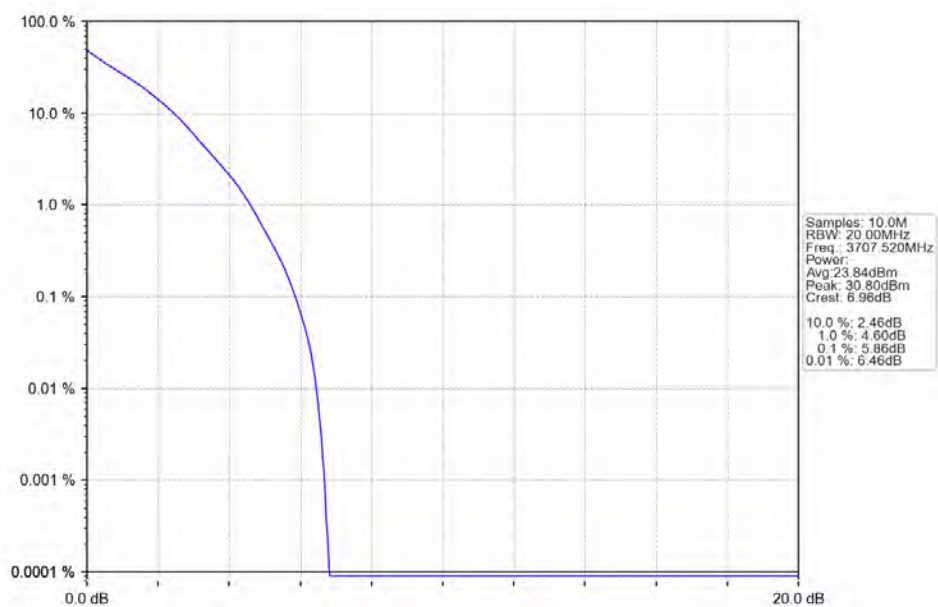
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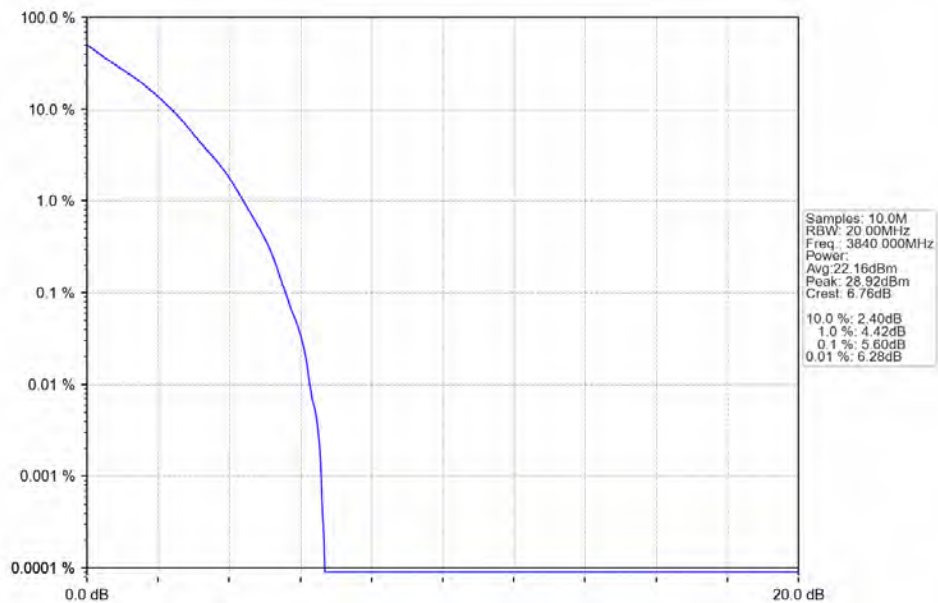
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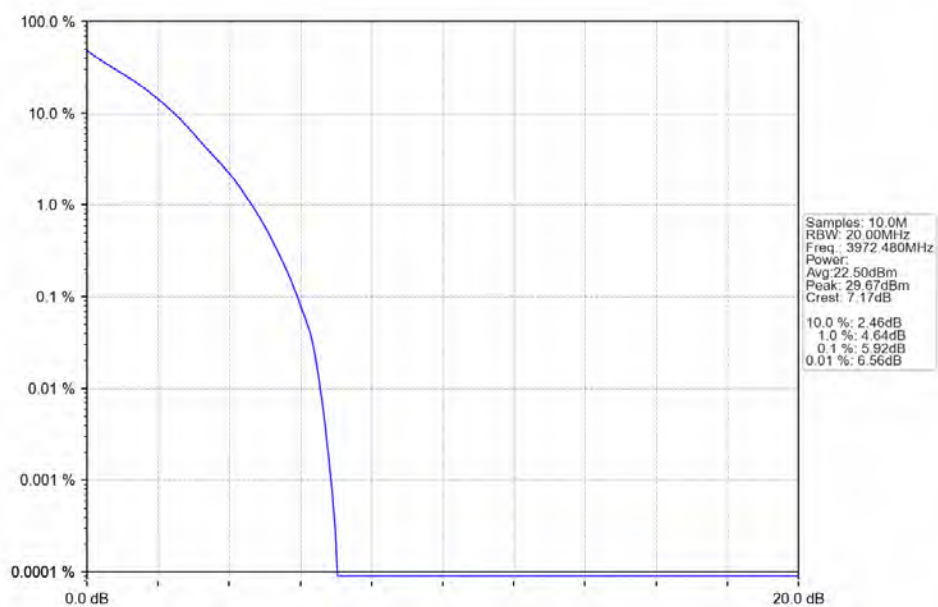
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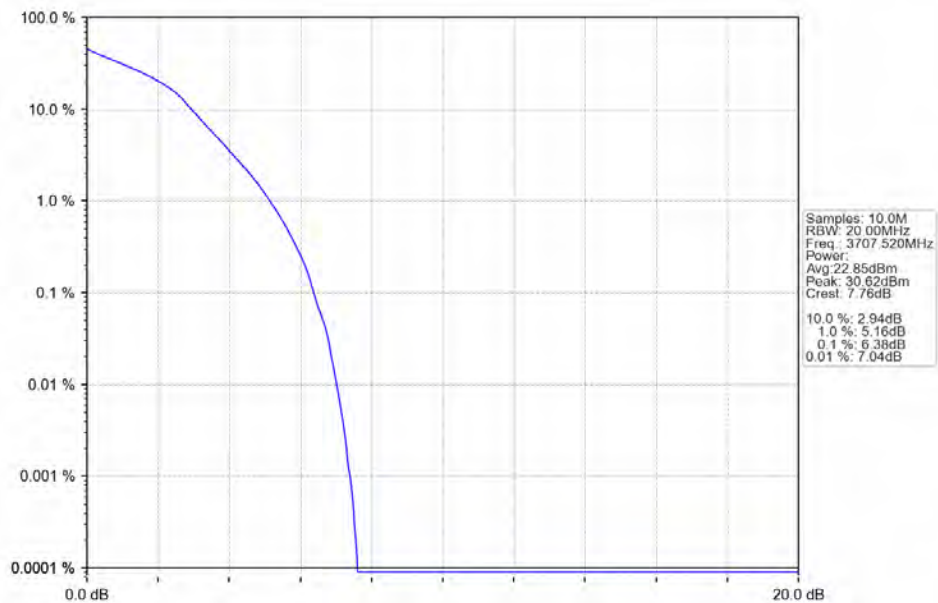
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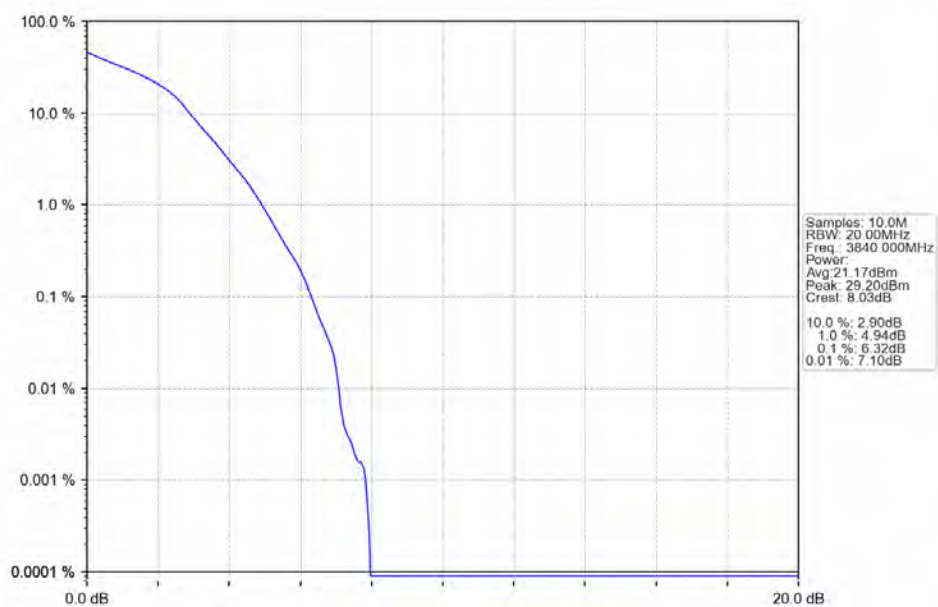
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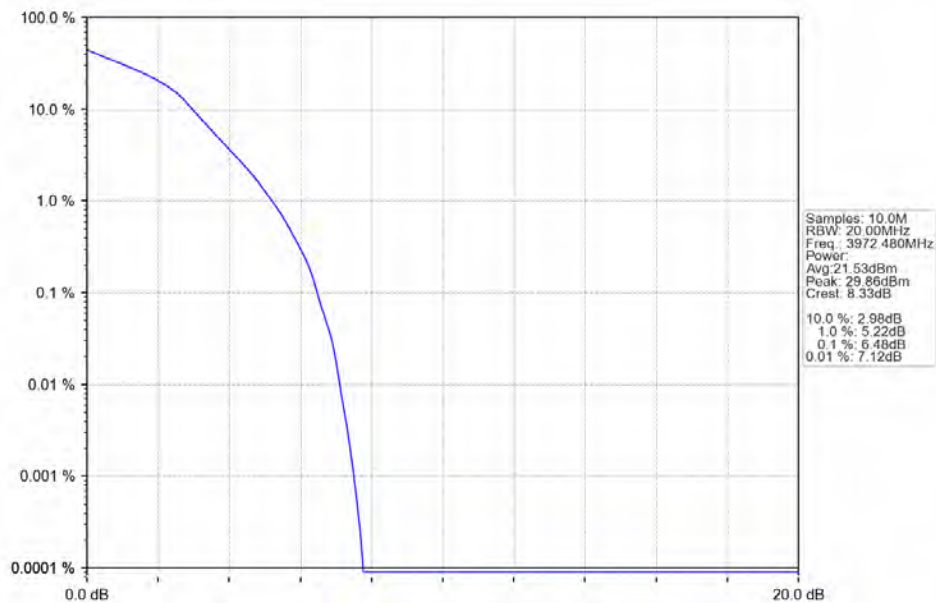
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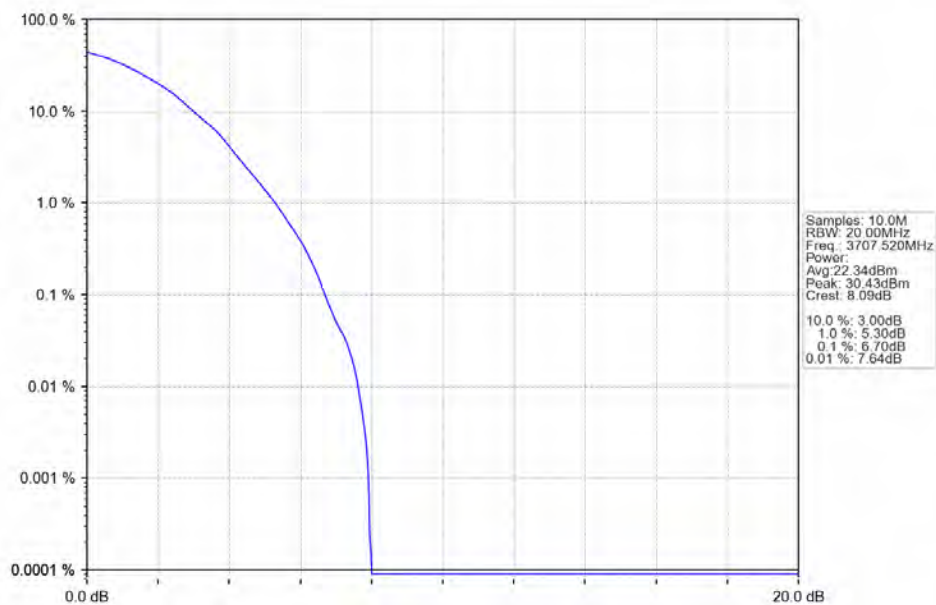
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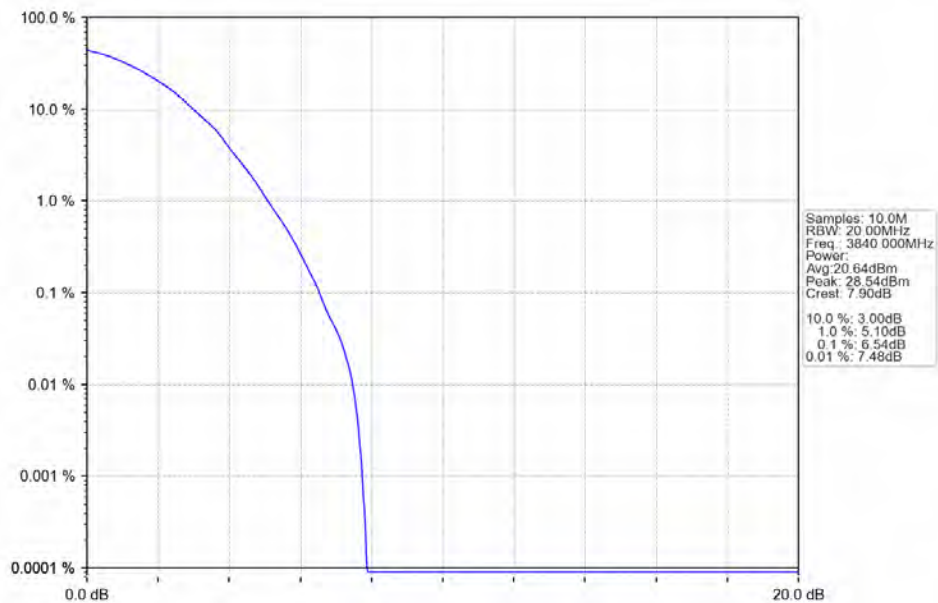
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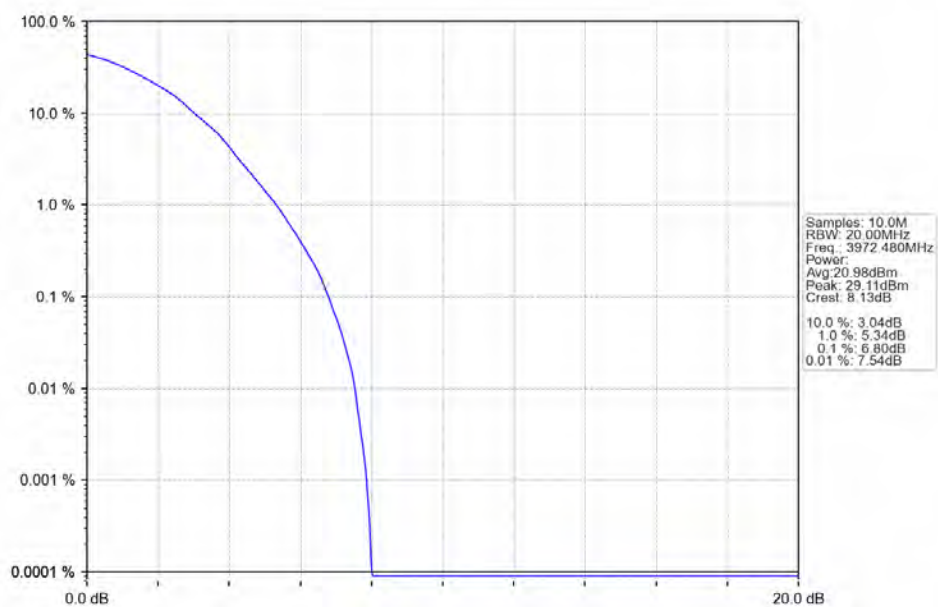
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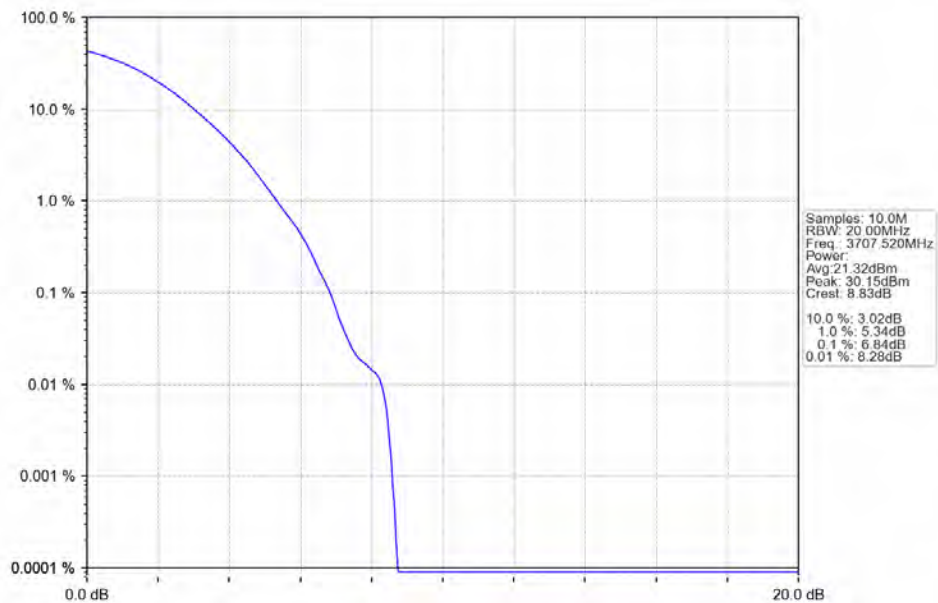
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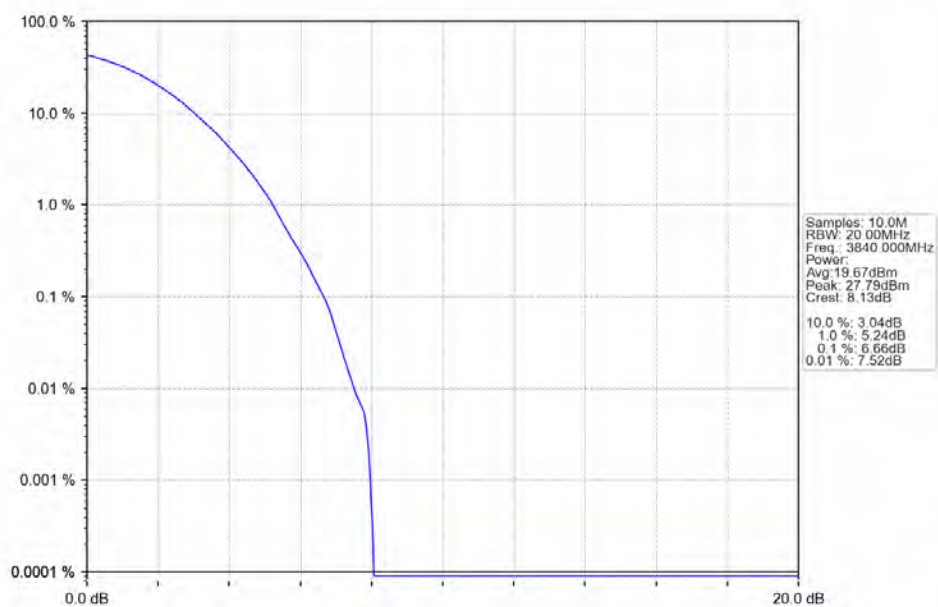
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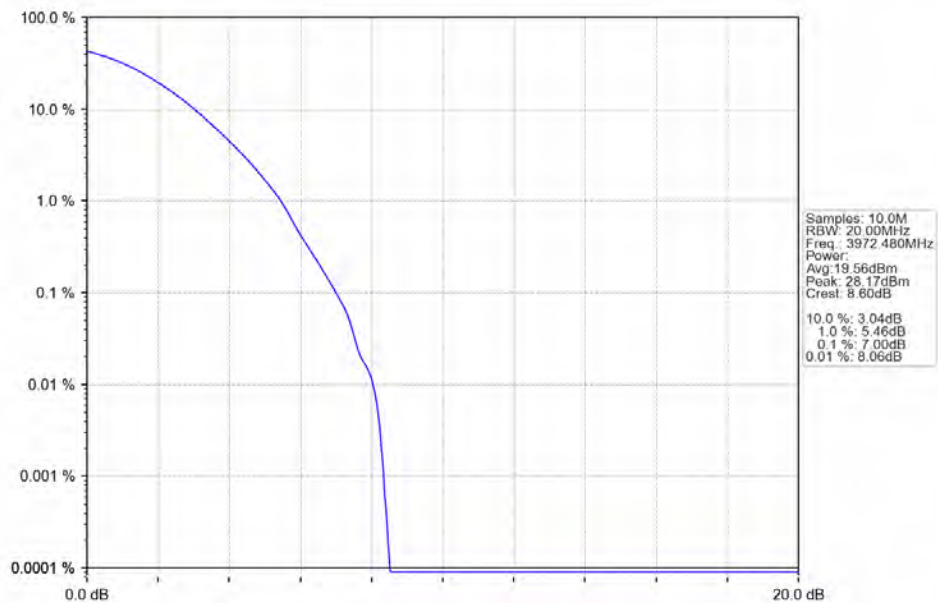
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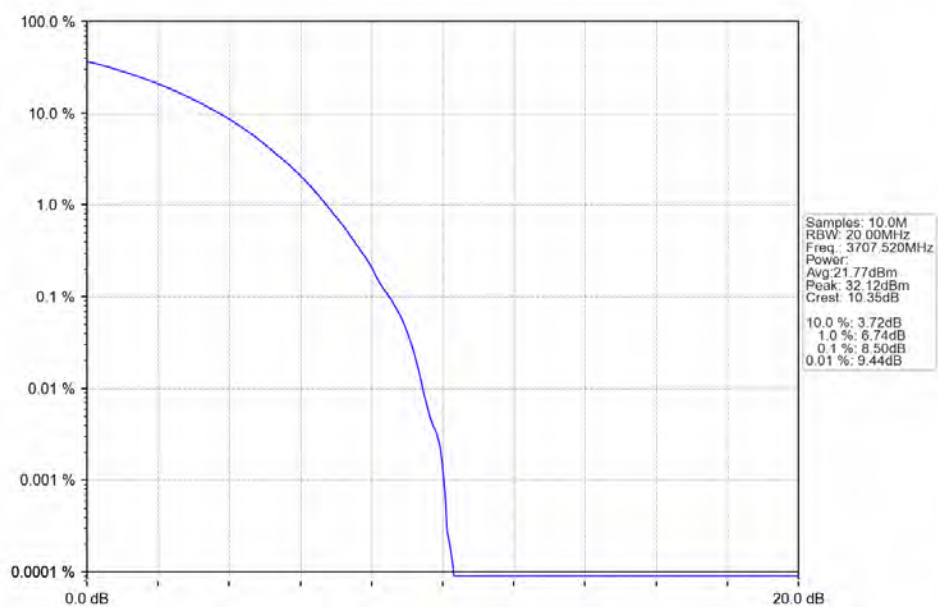
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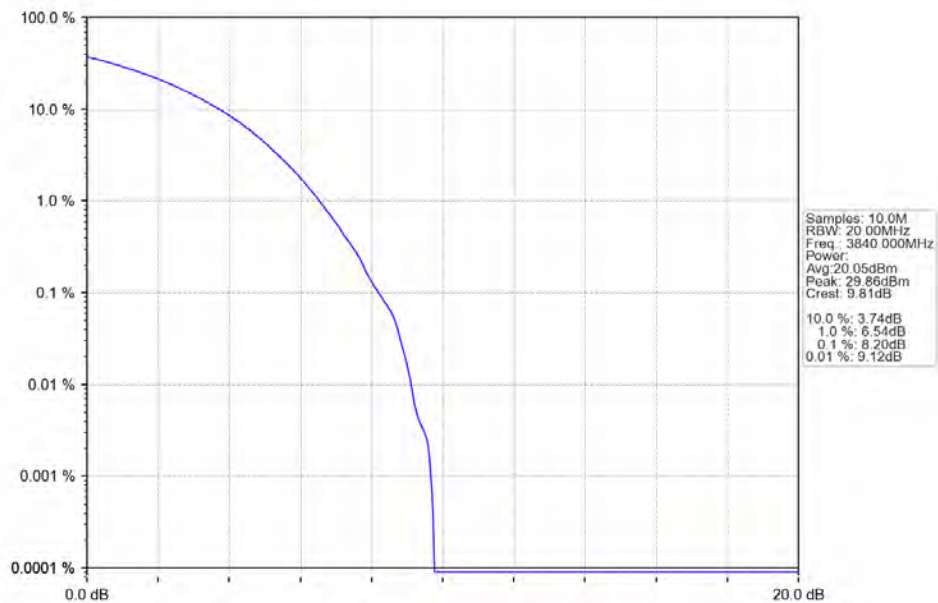
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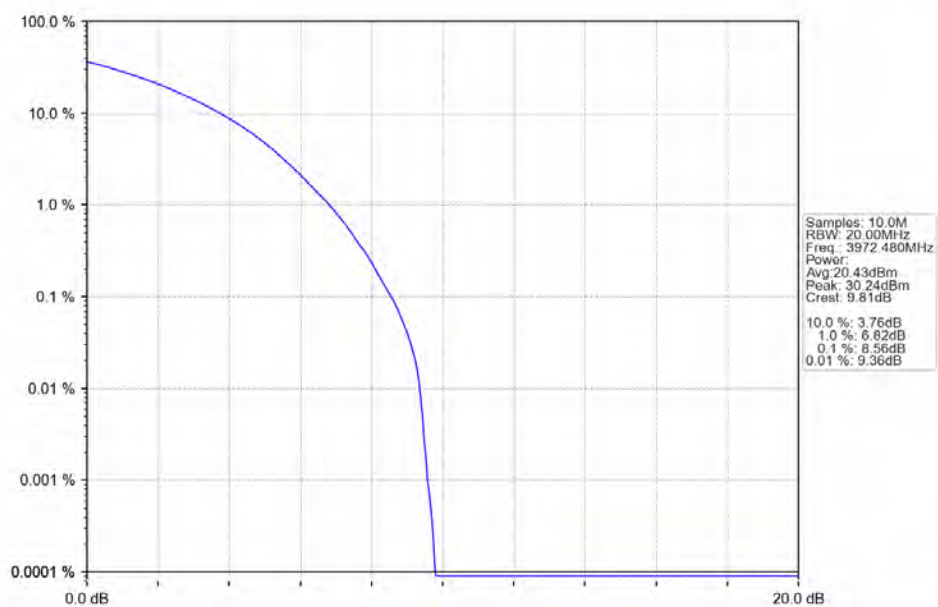
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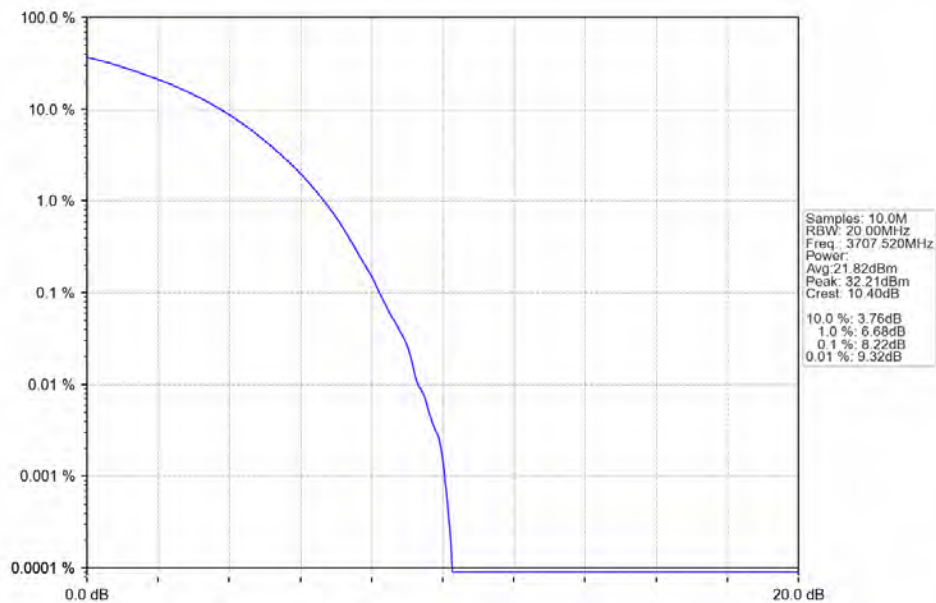
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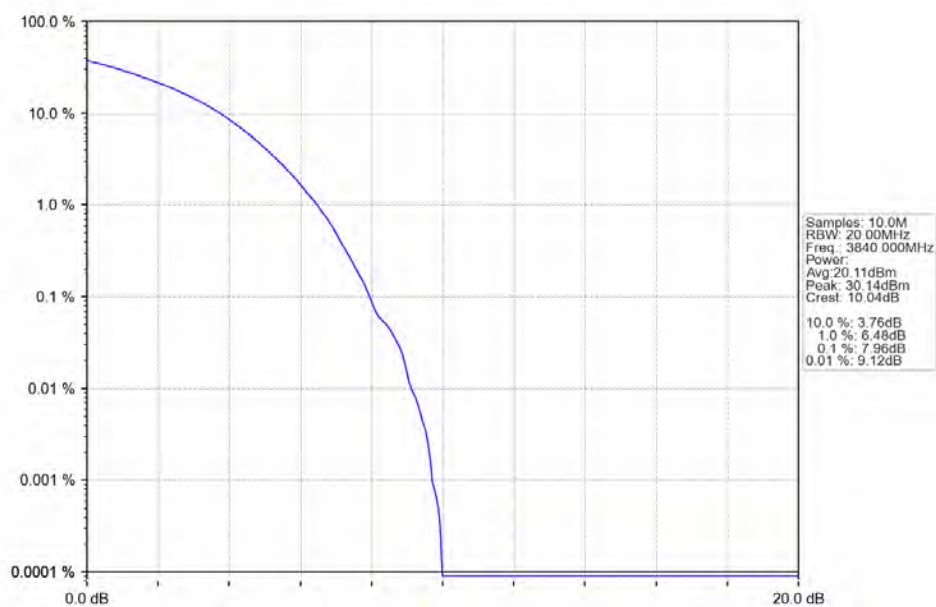
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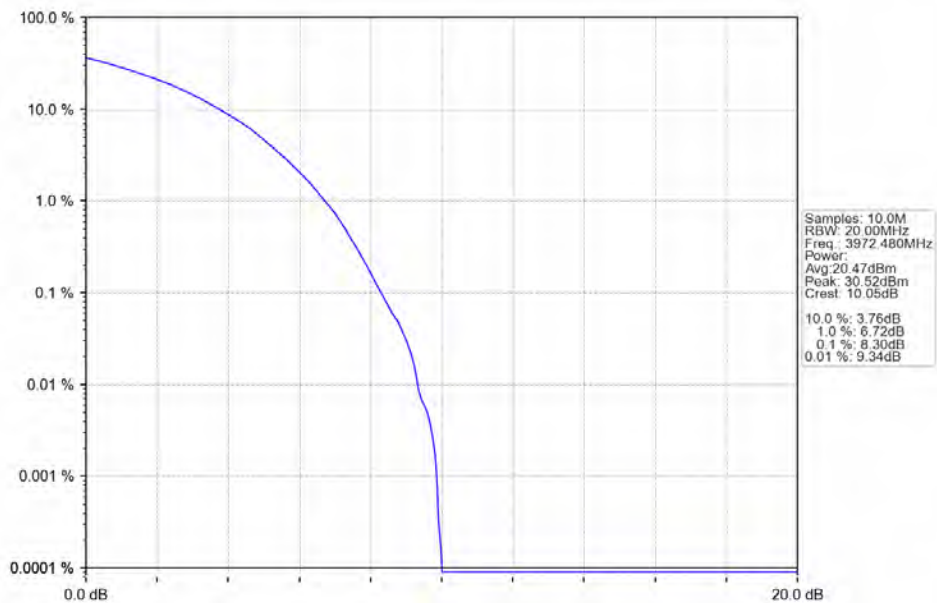
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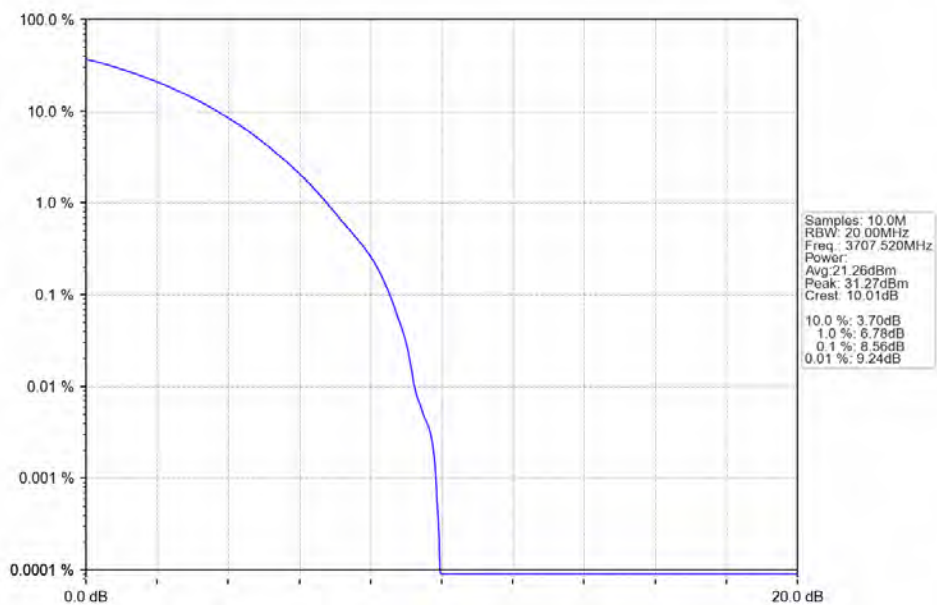
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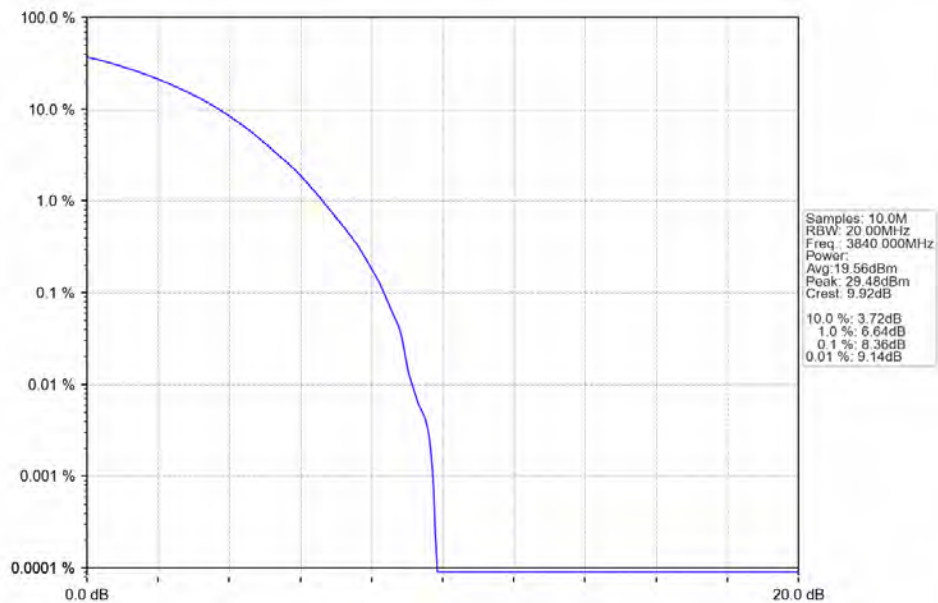
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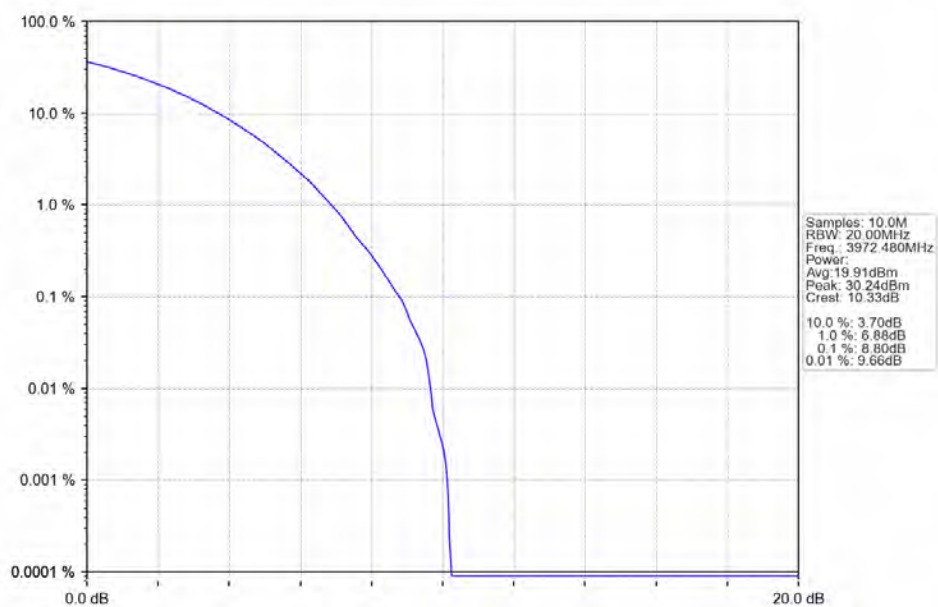
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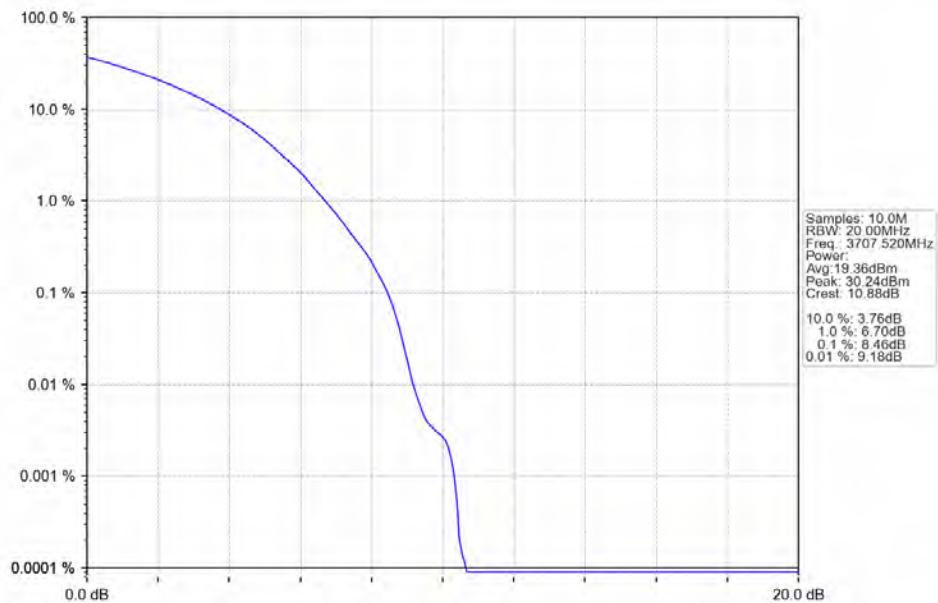
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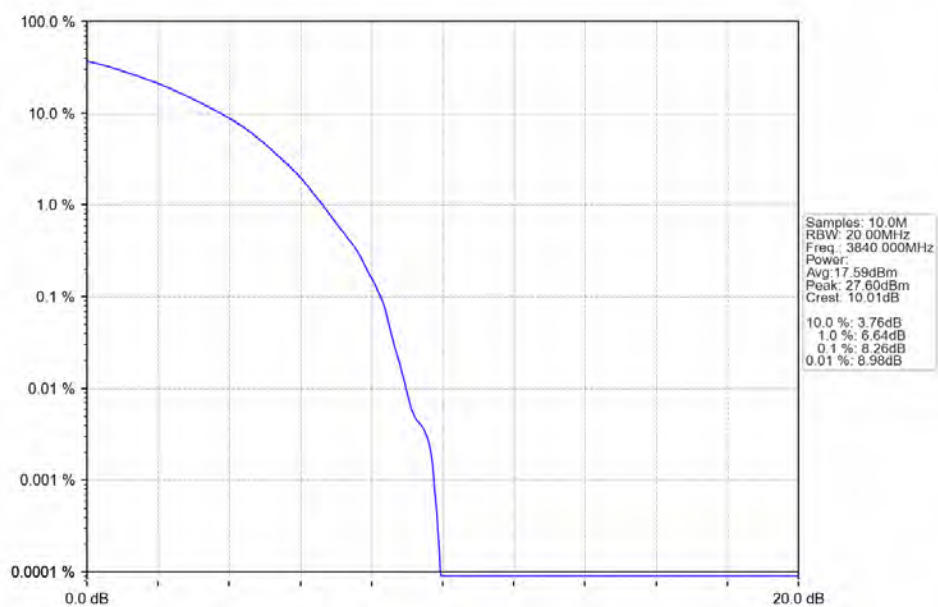
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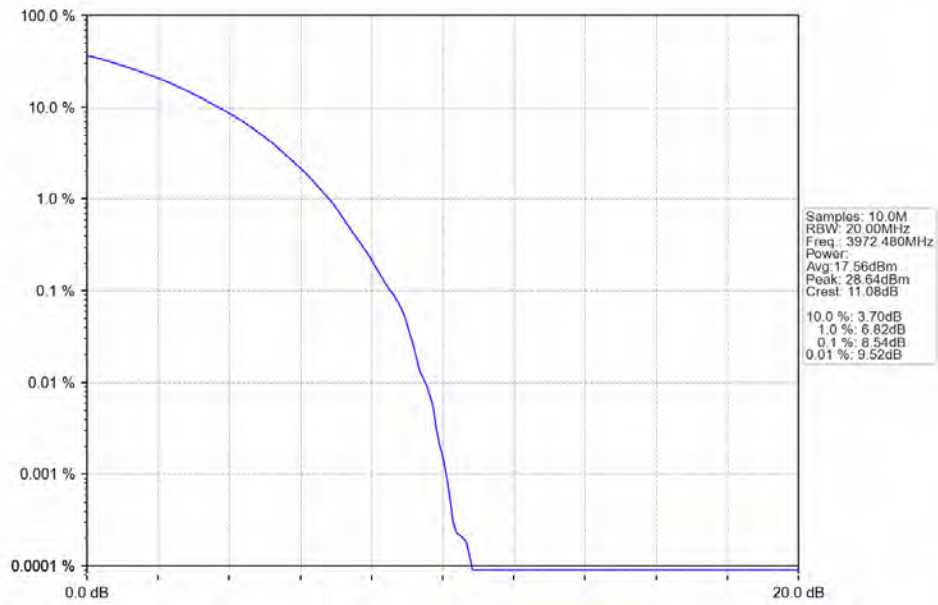
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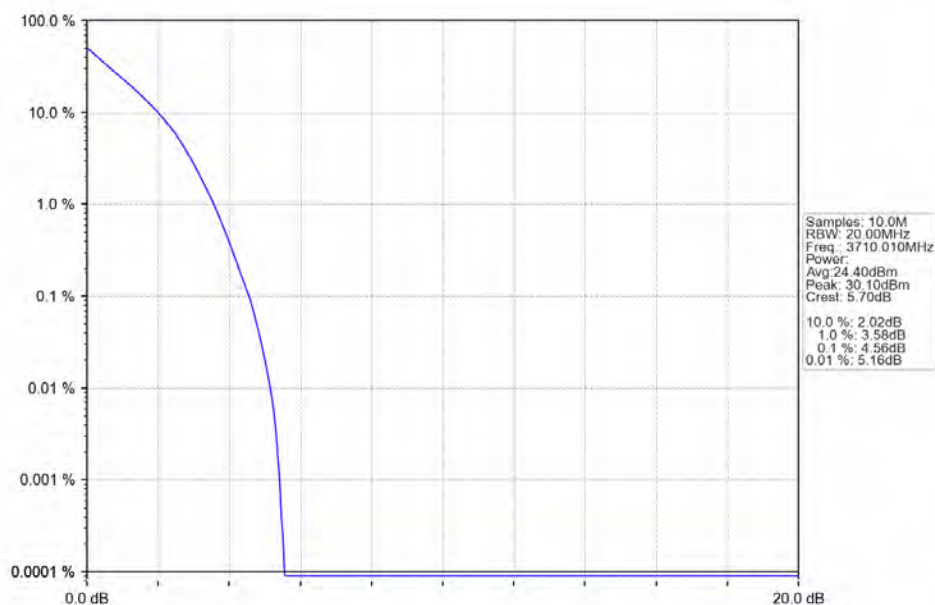


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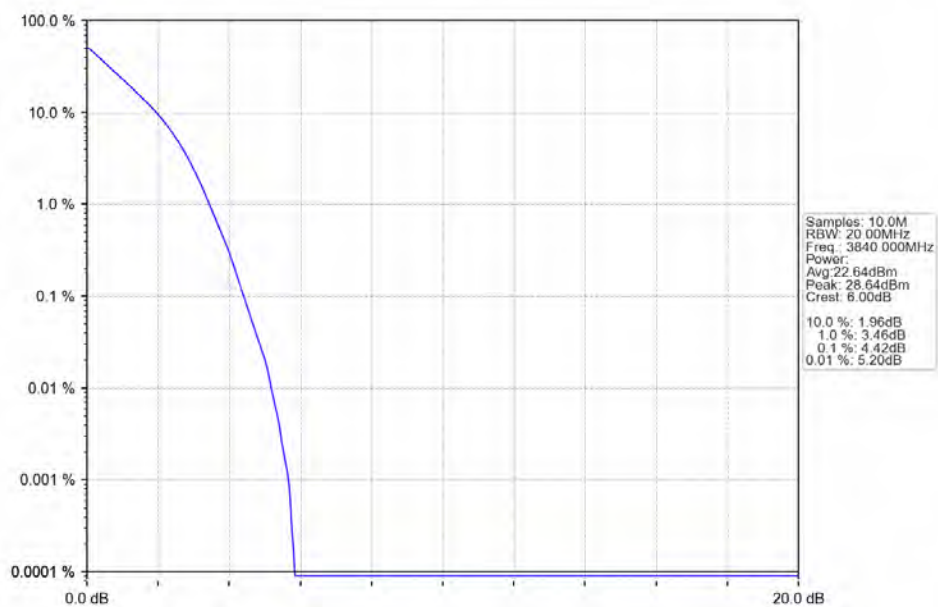


## 4.2.3 30k\_SISO\_20MHz\_NTNV

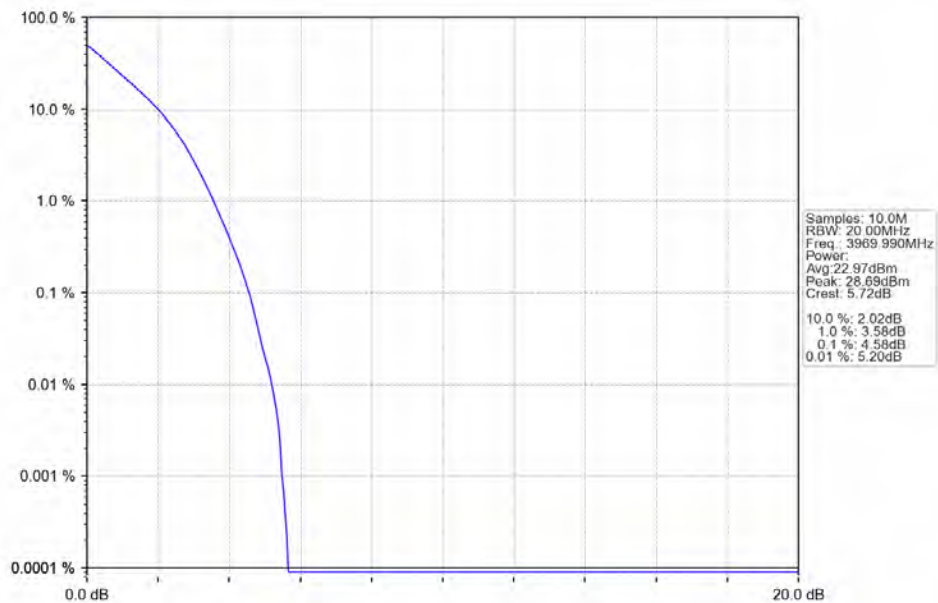
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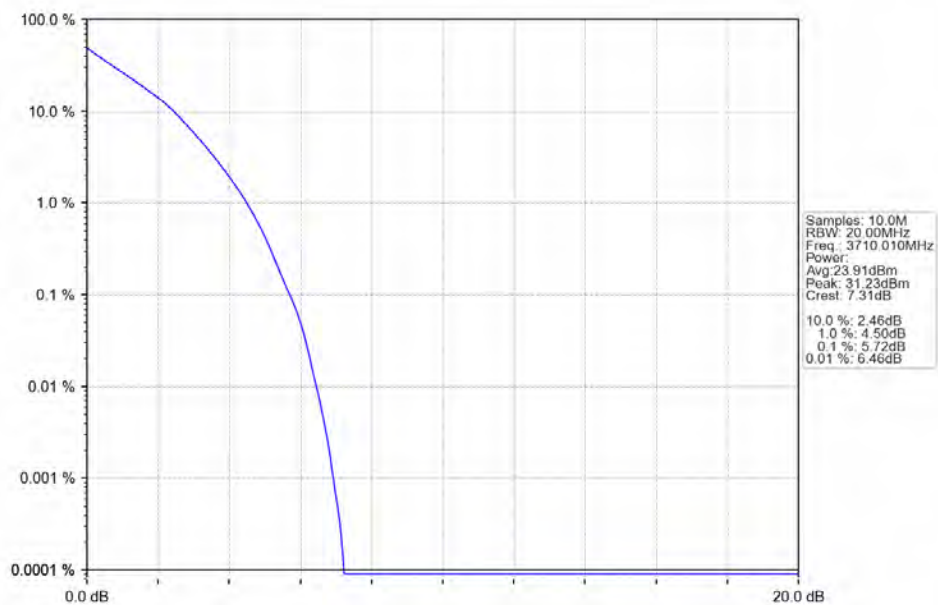
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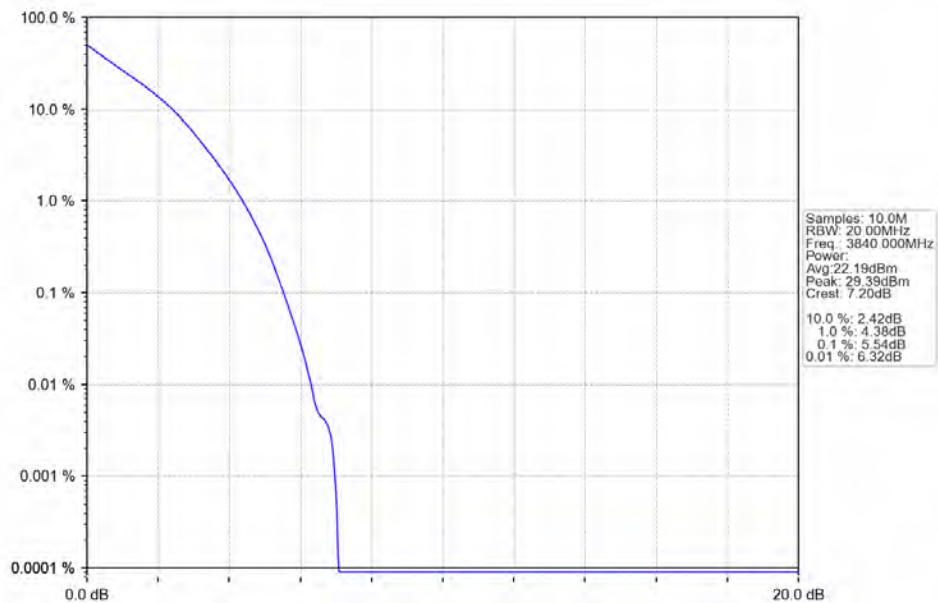
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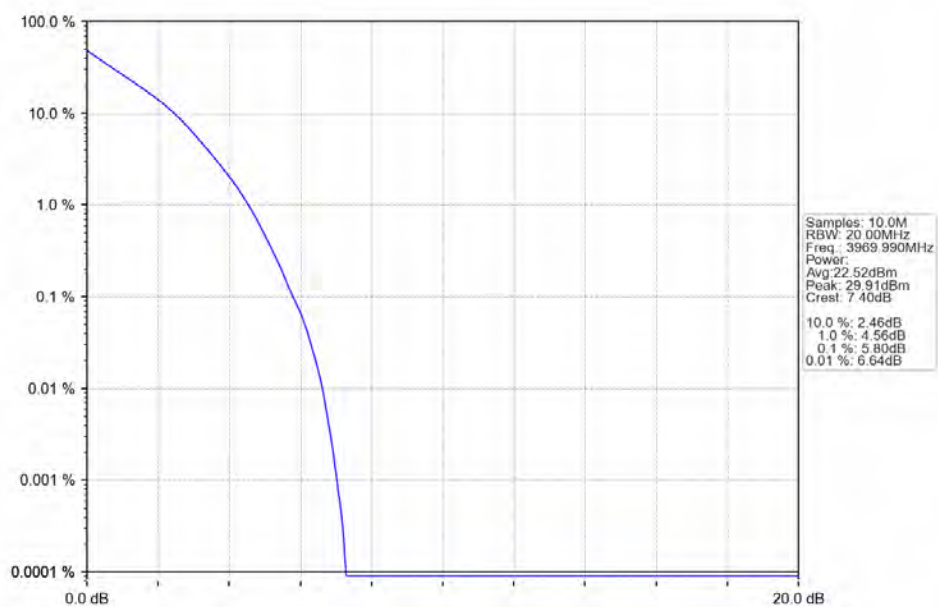
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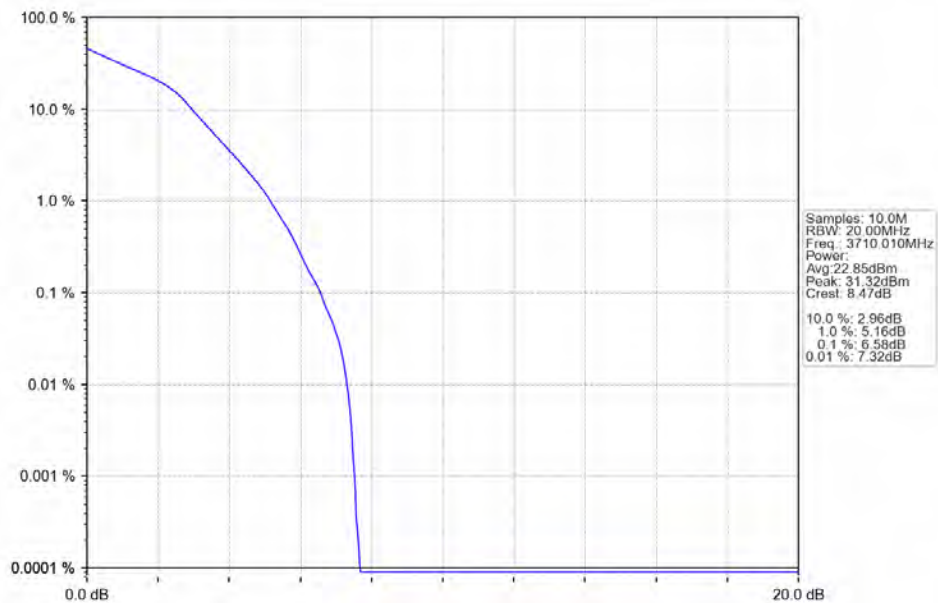
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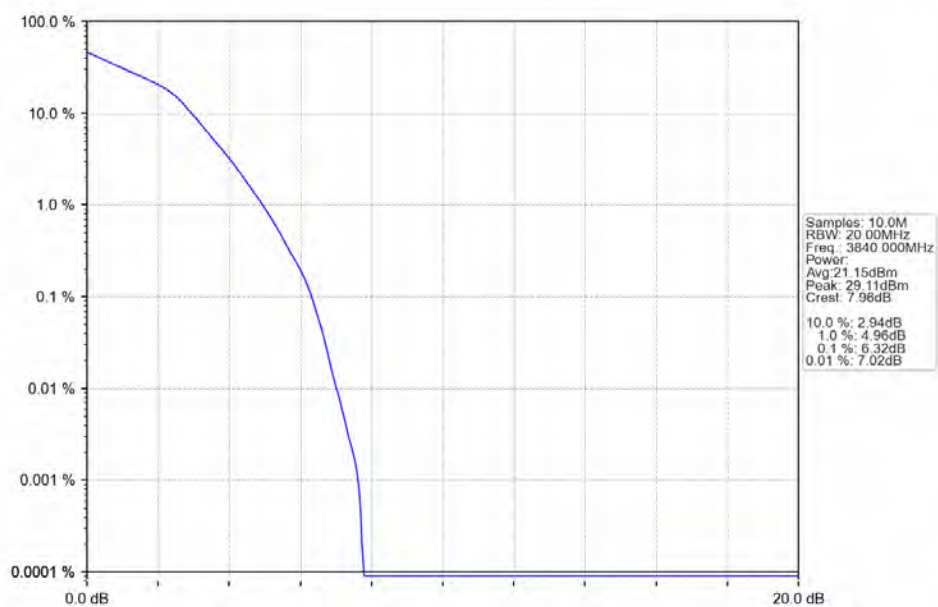
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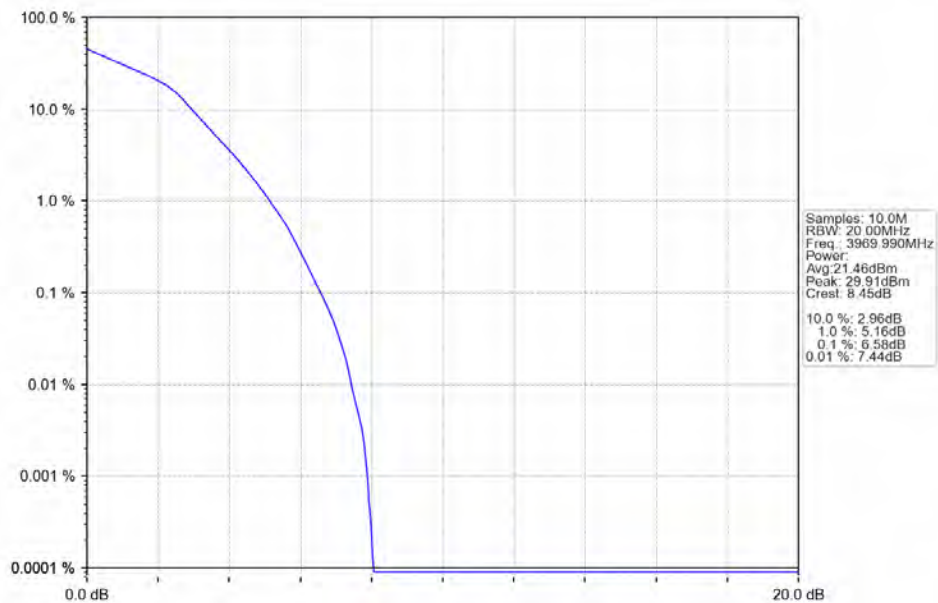
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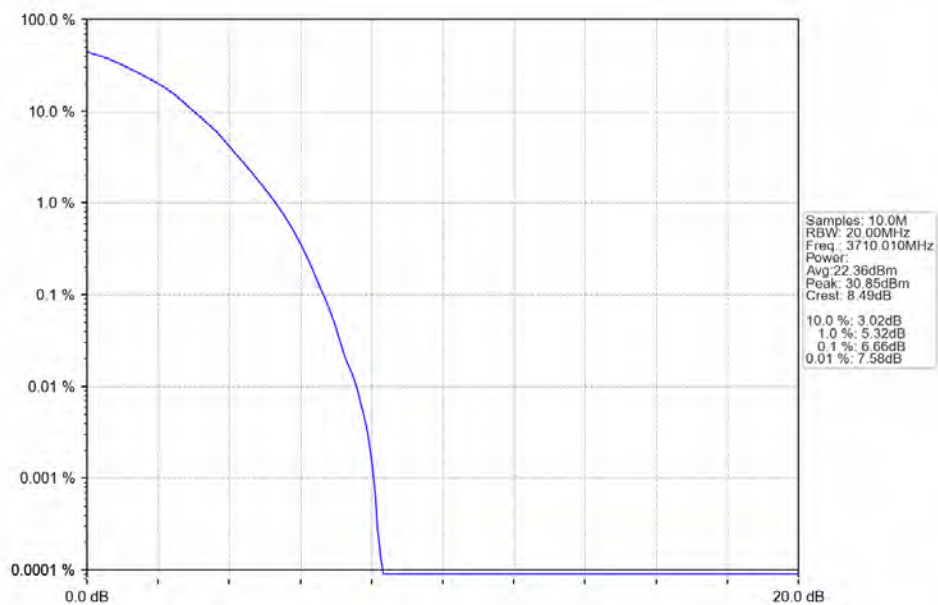
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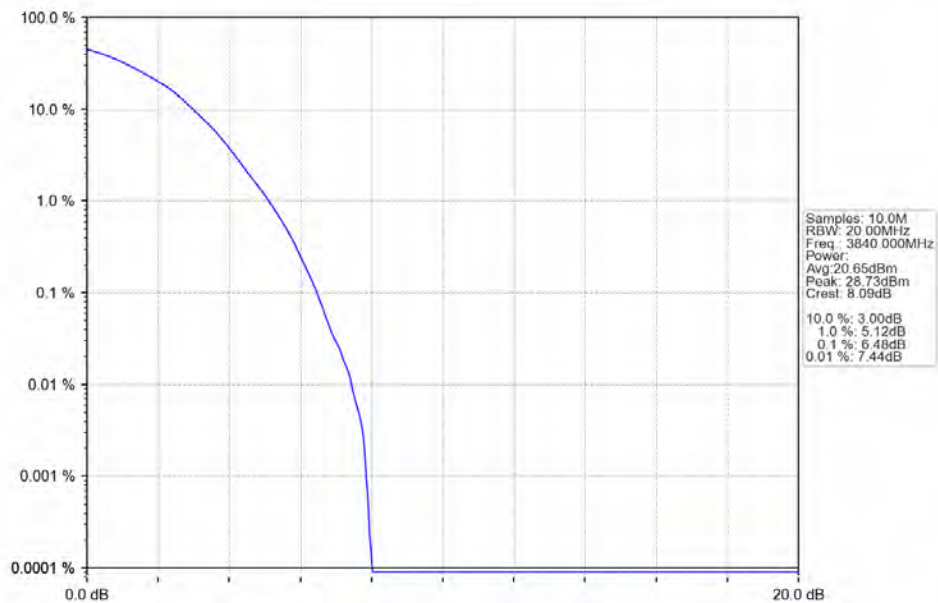
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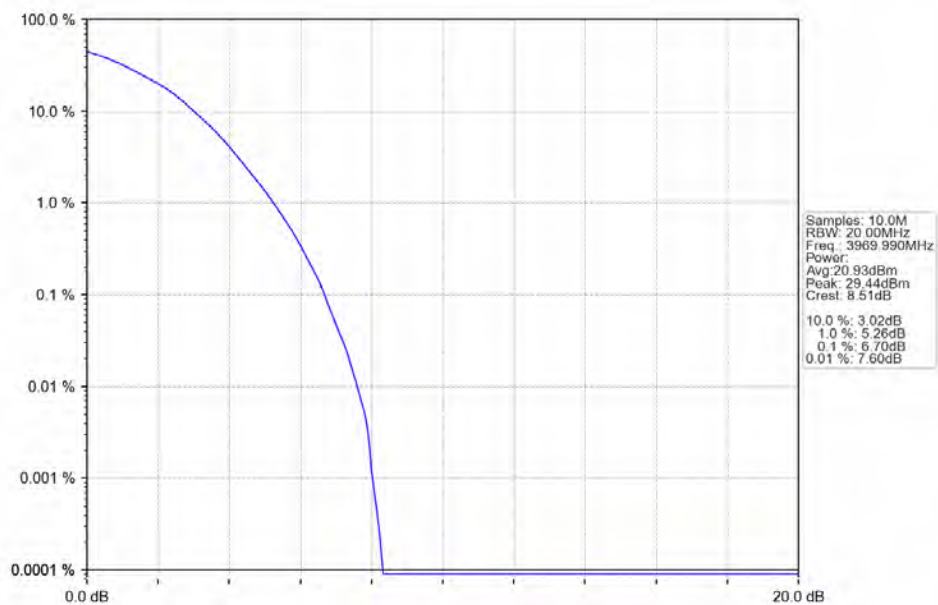
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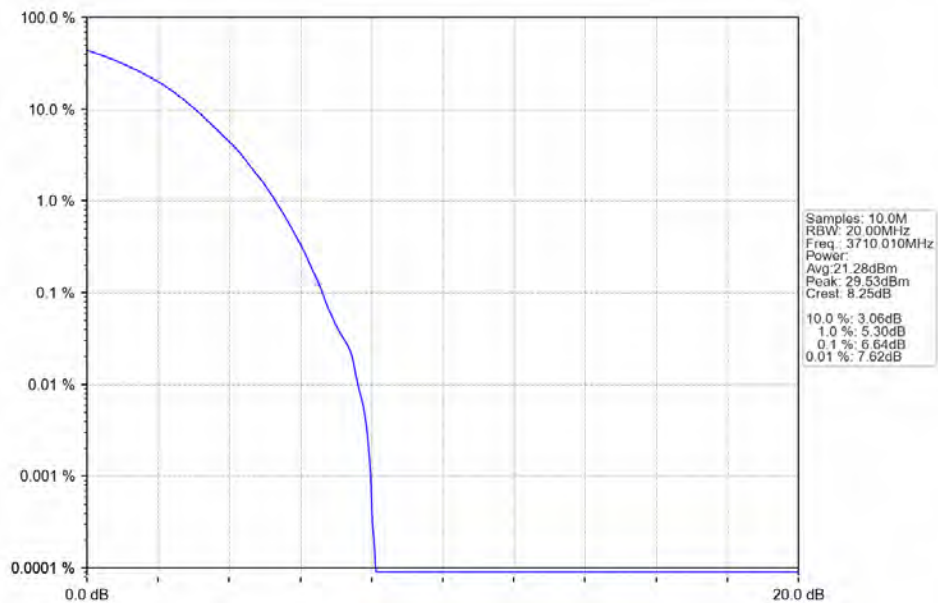
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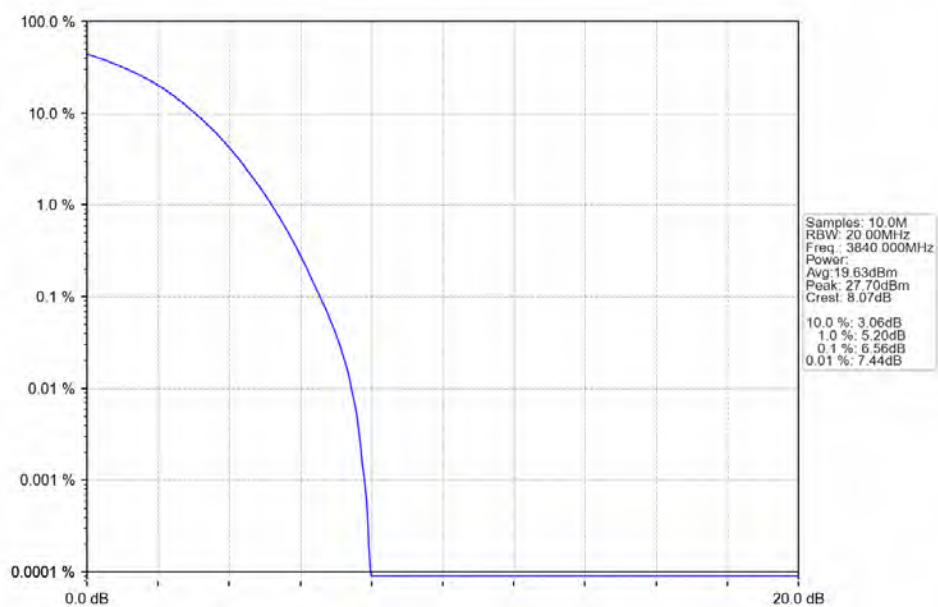
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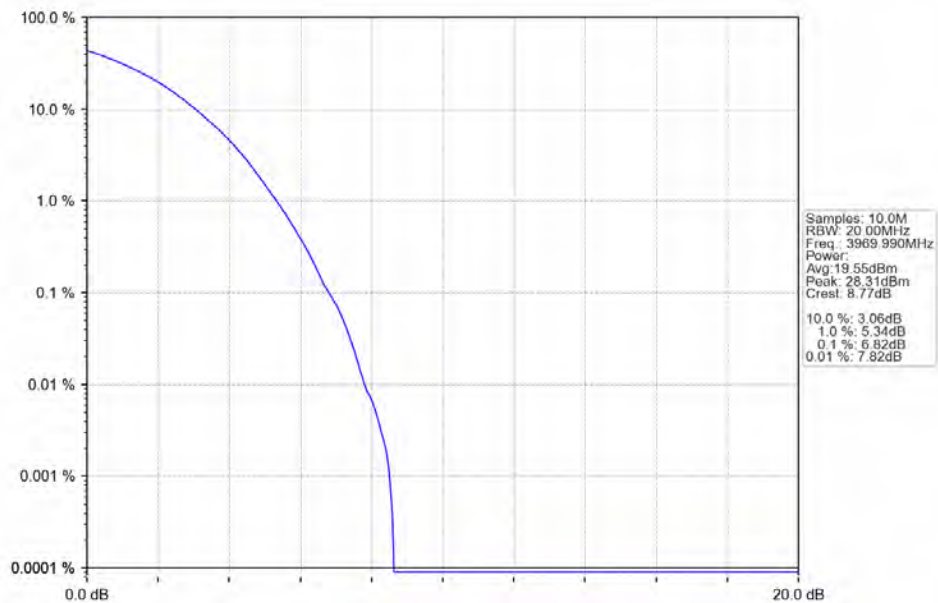
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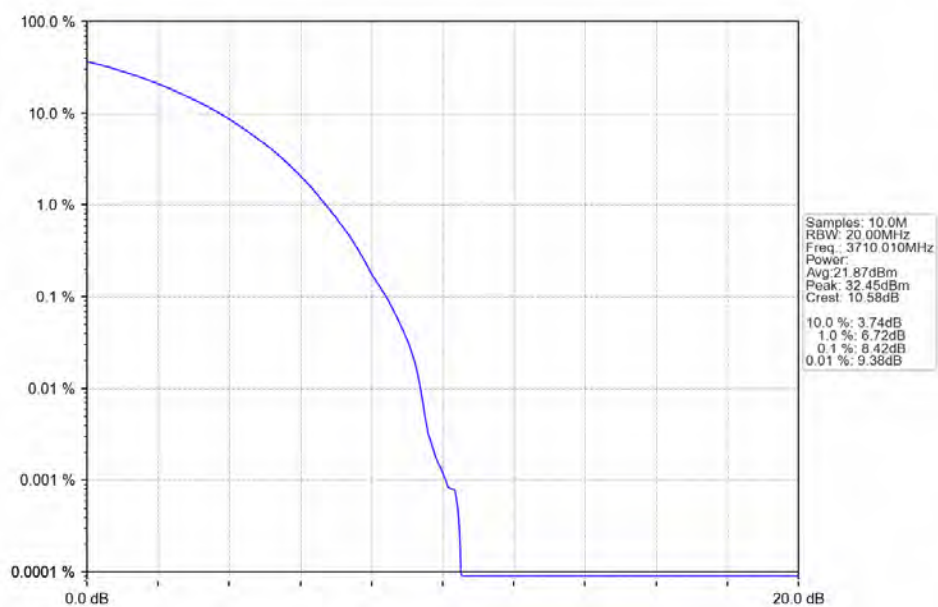
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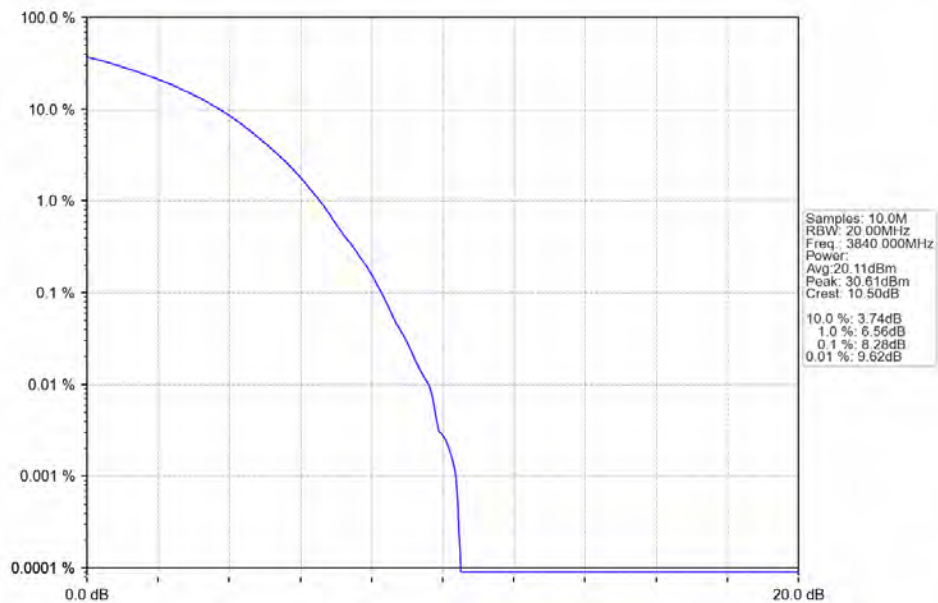
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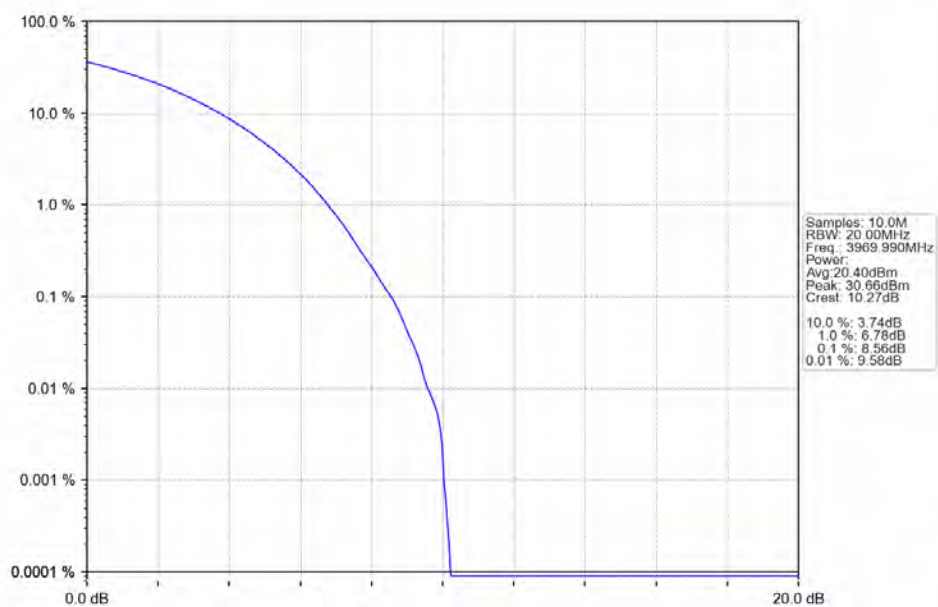
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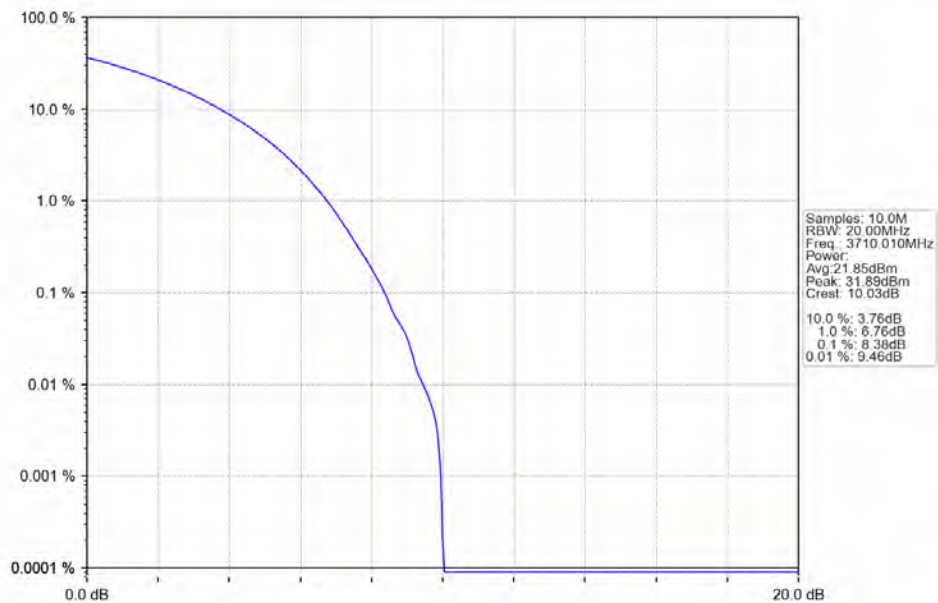
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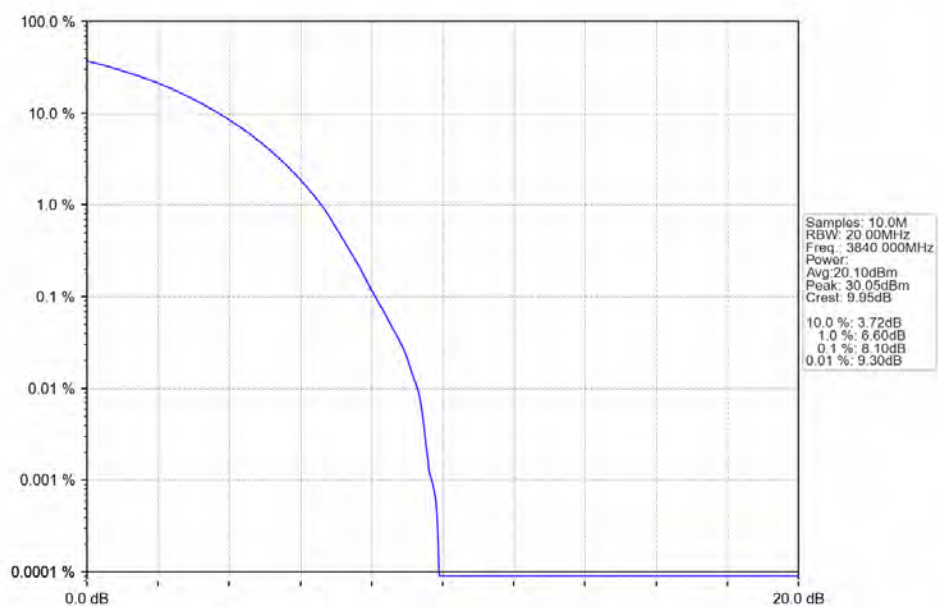
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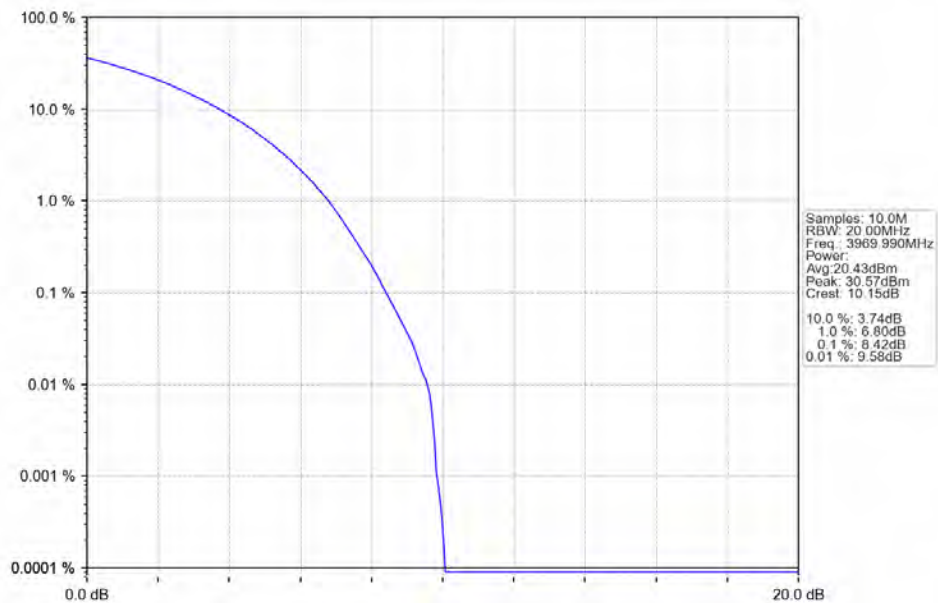
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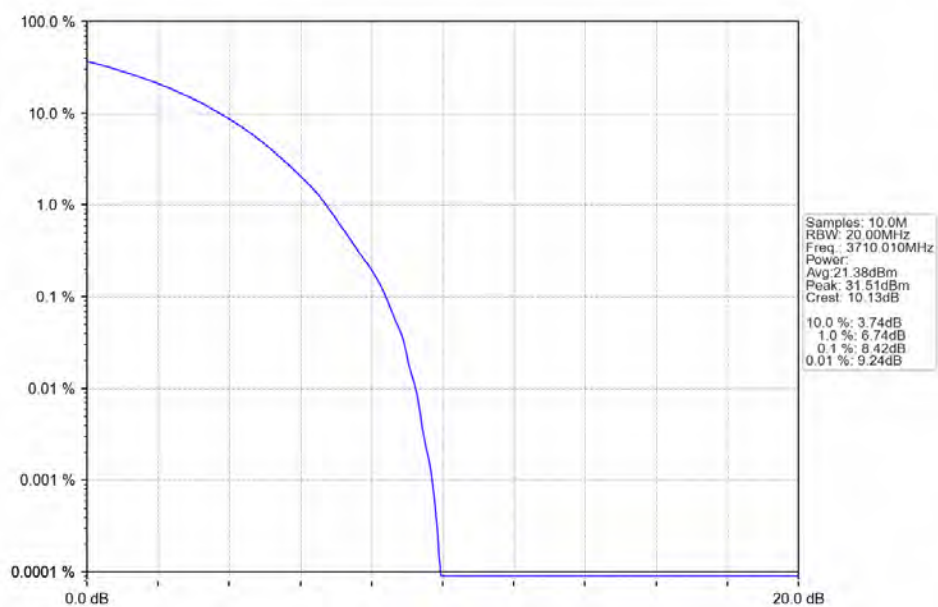
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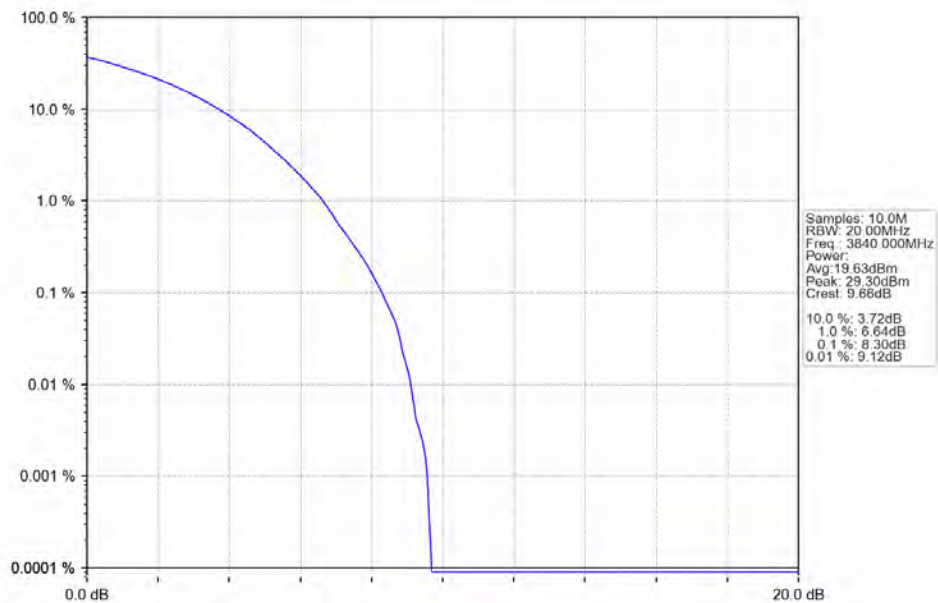
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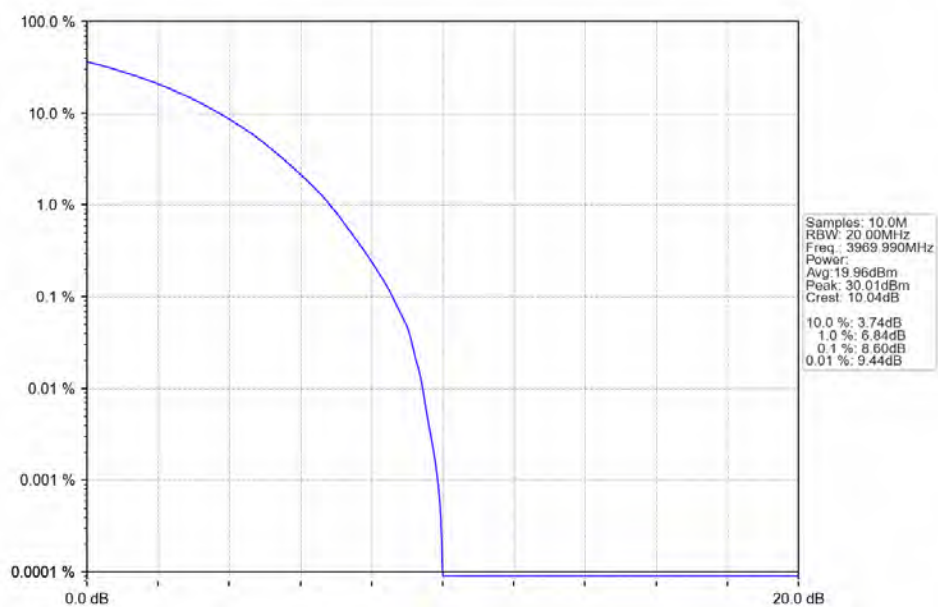
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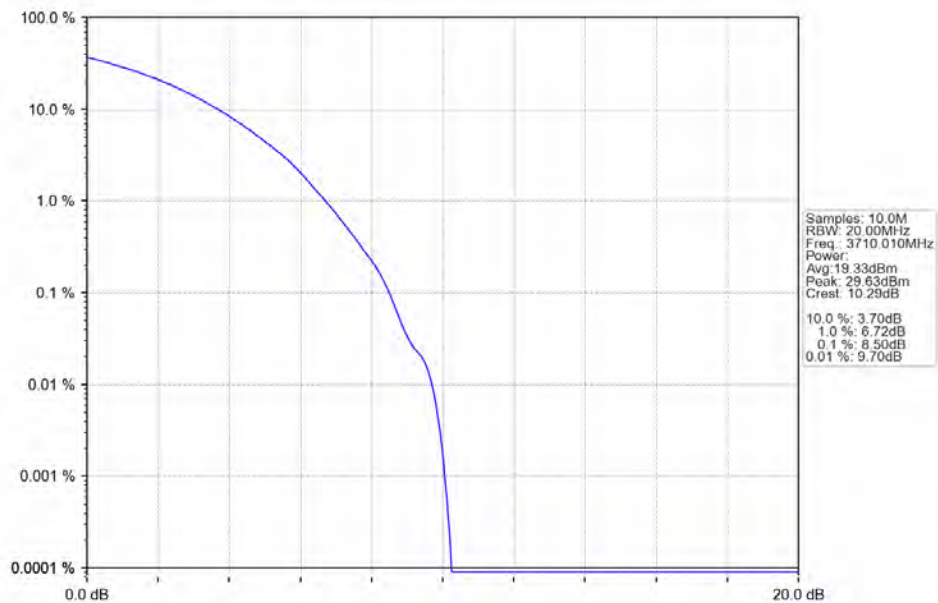
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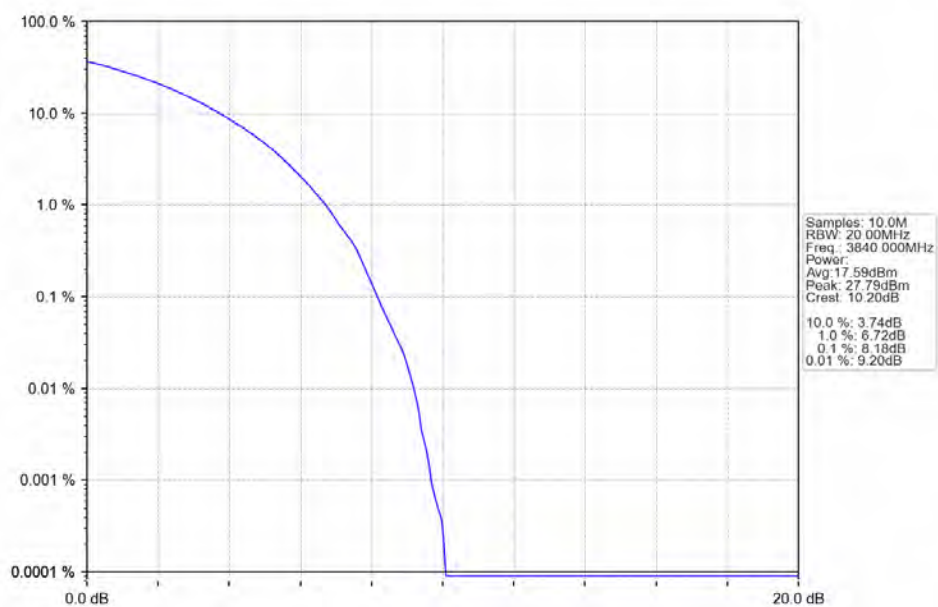
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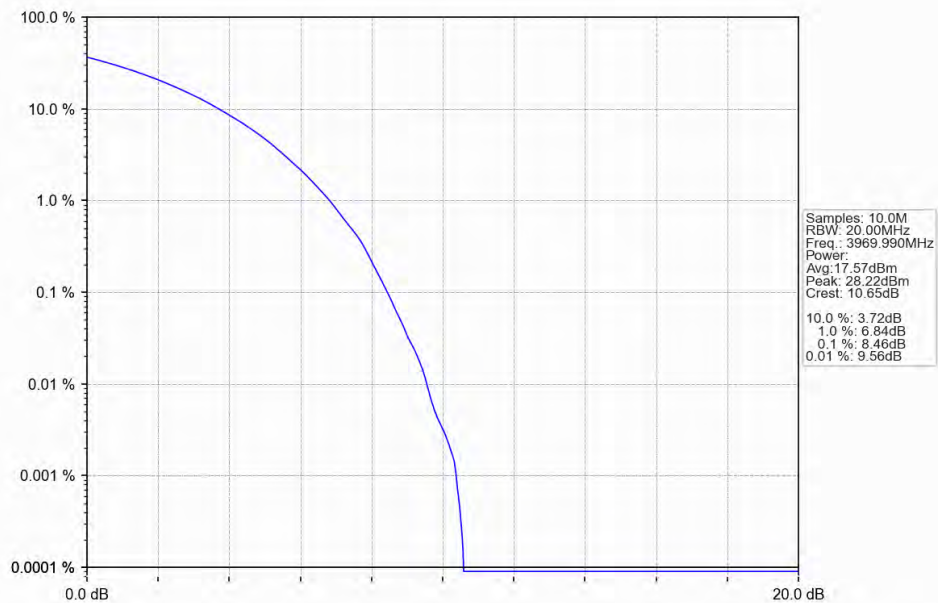
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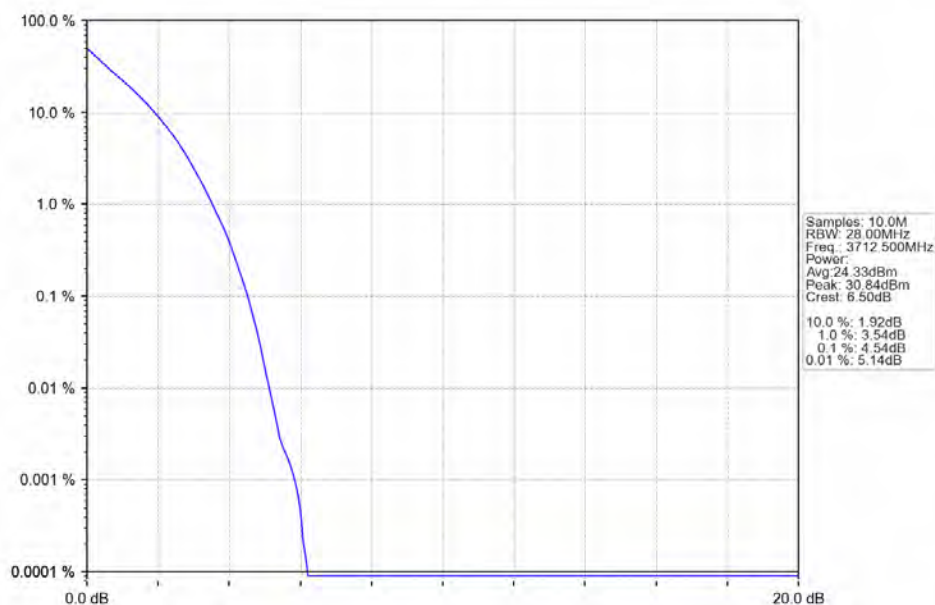


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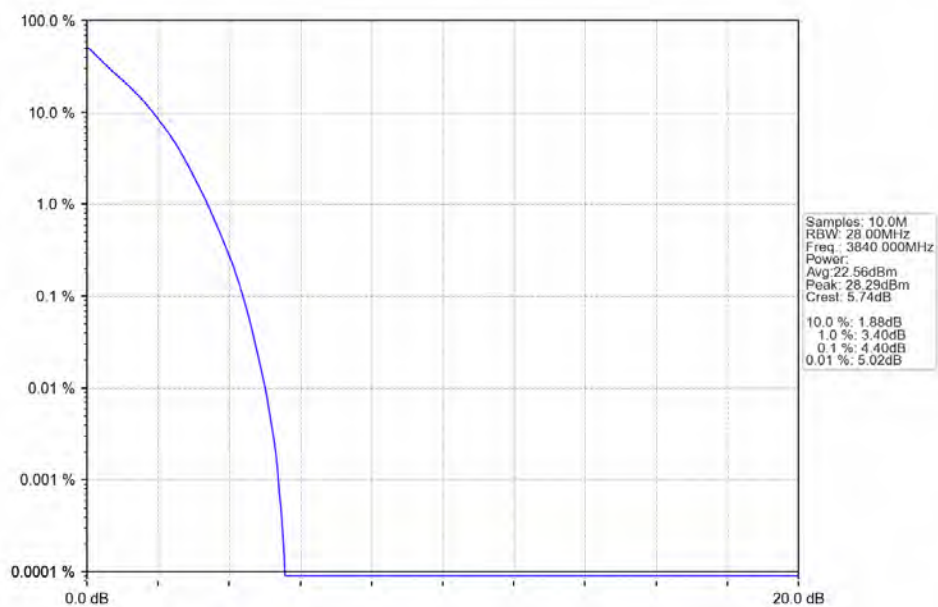


## 4.2.4 30k\_SISO\_25MHz\_NTNV

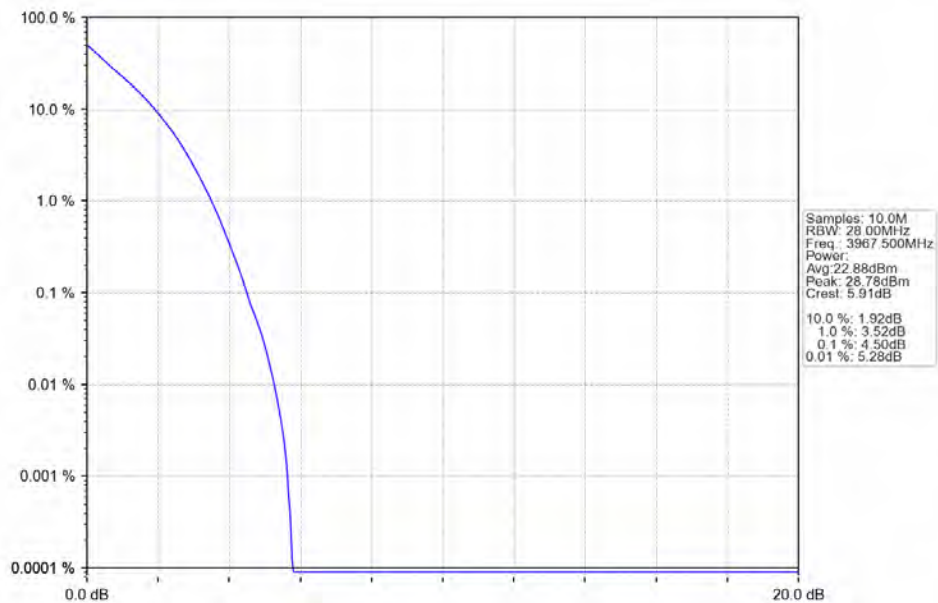
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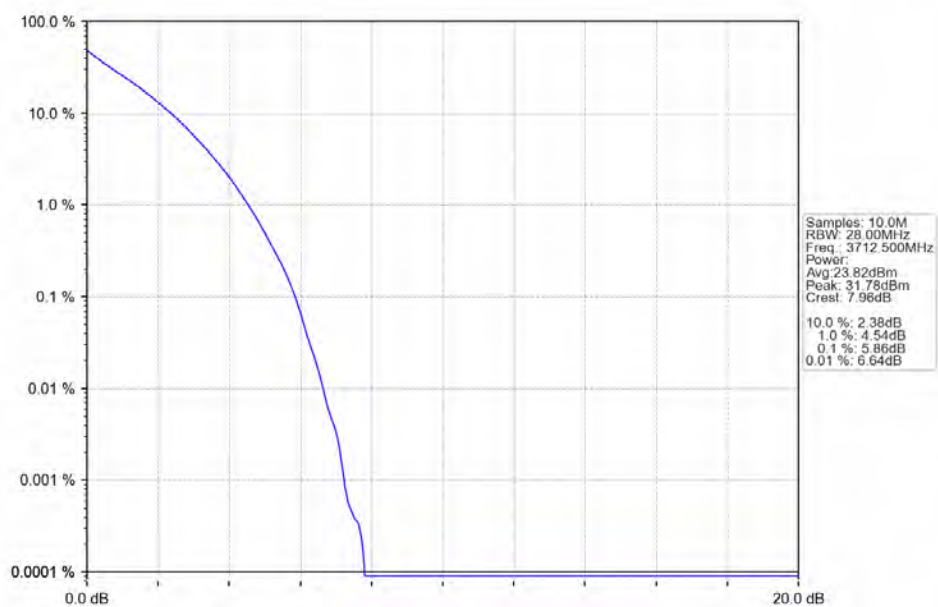
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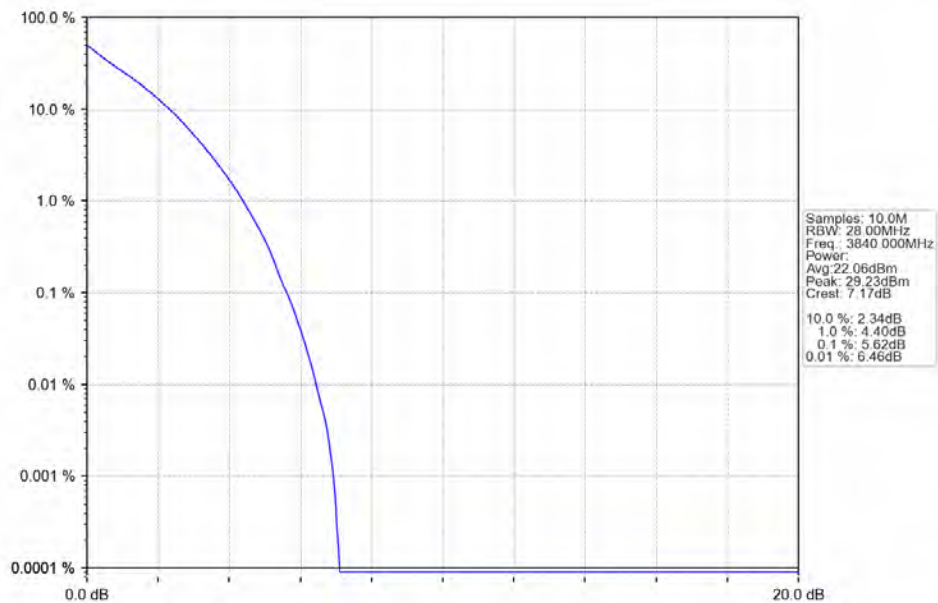
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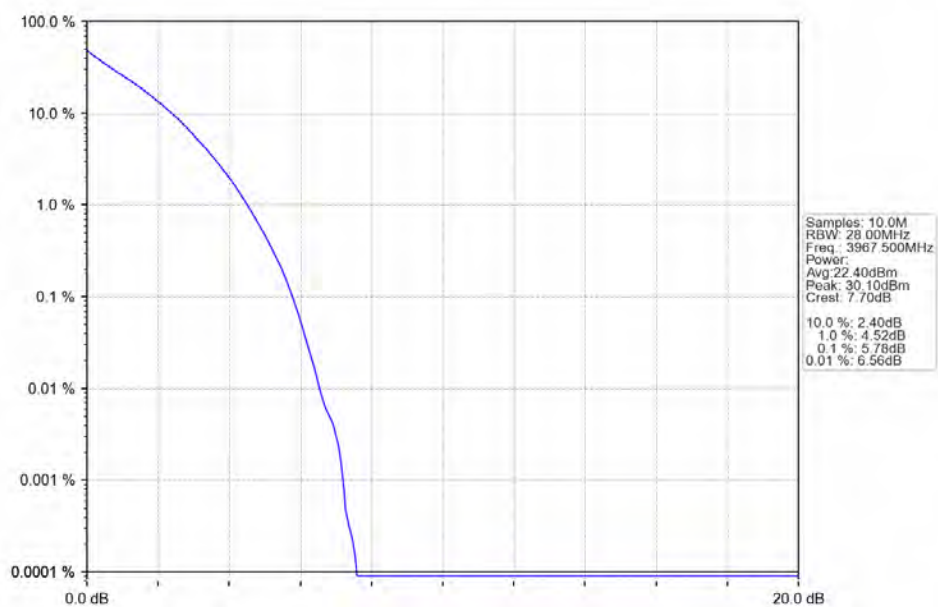
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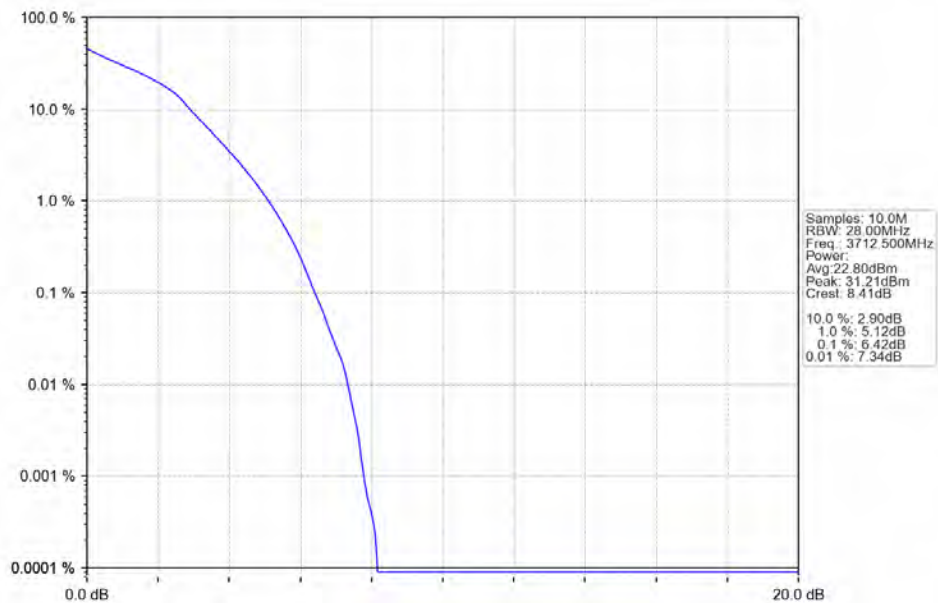
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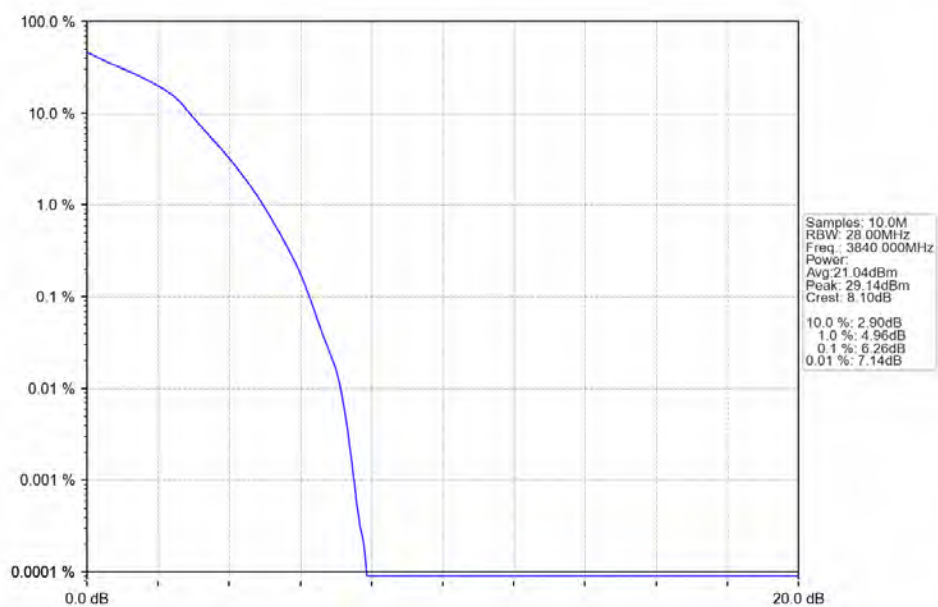
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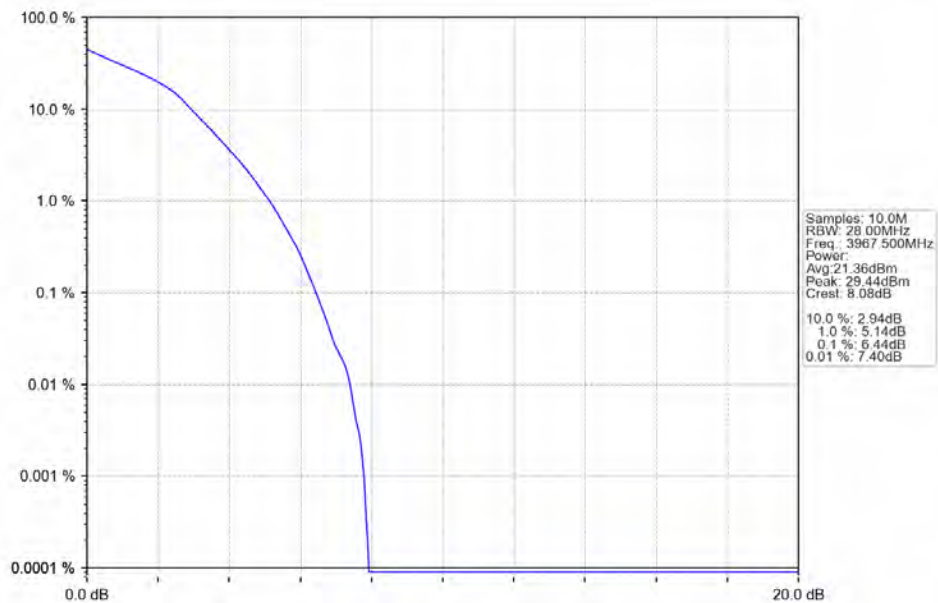
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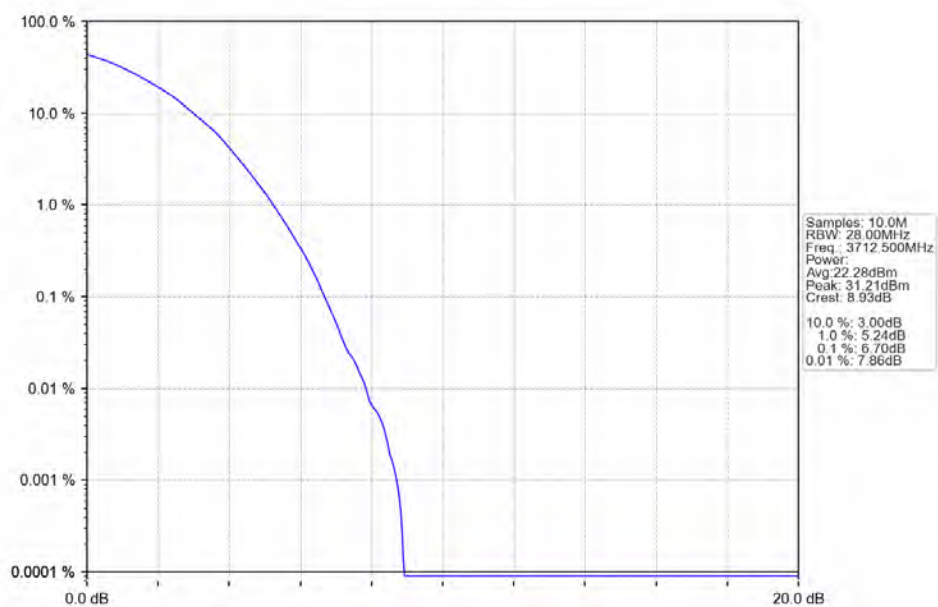
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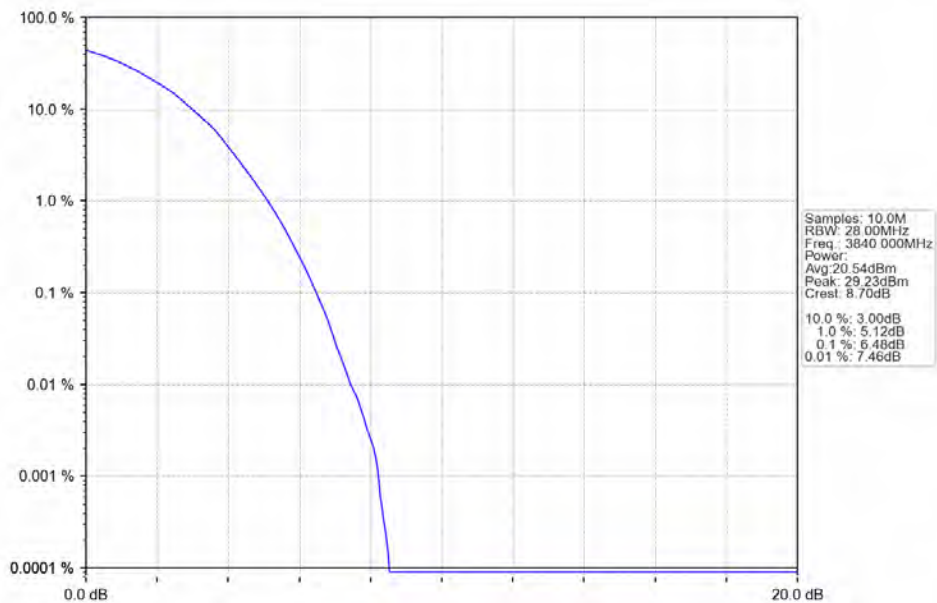
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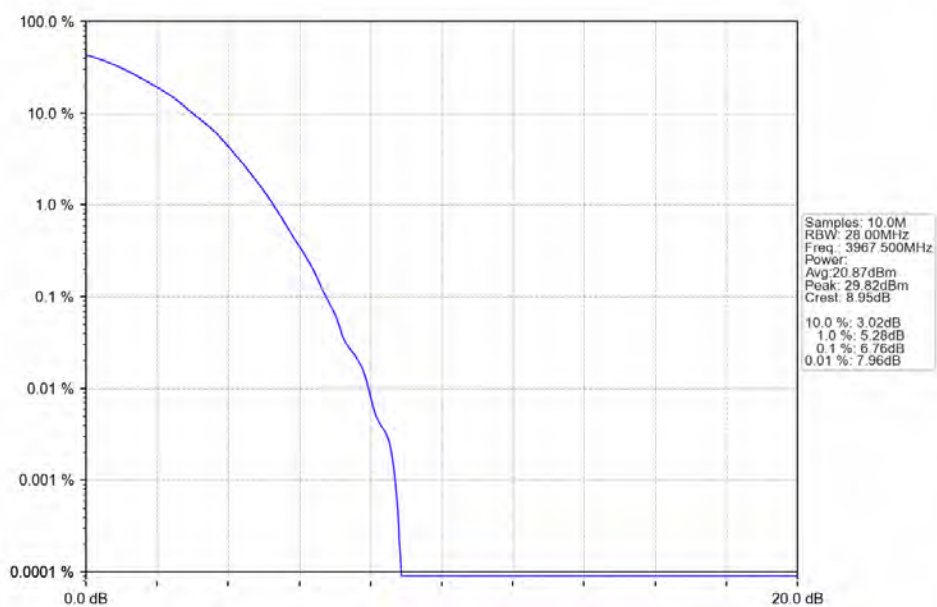
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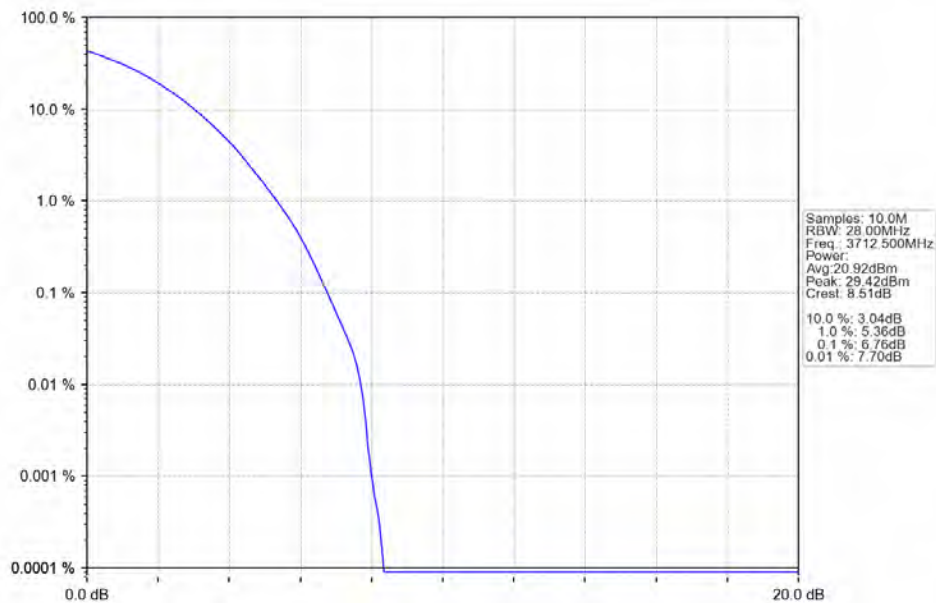
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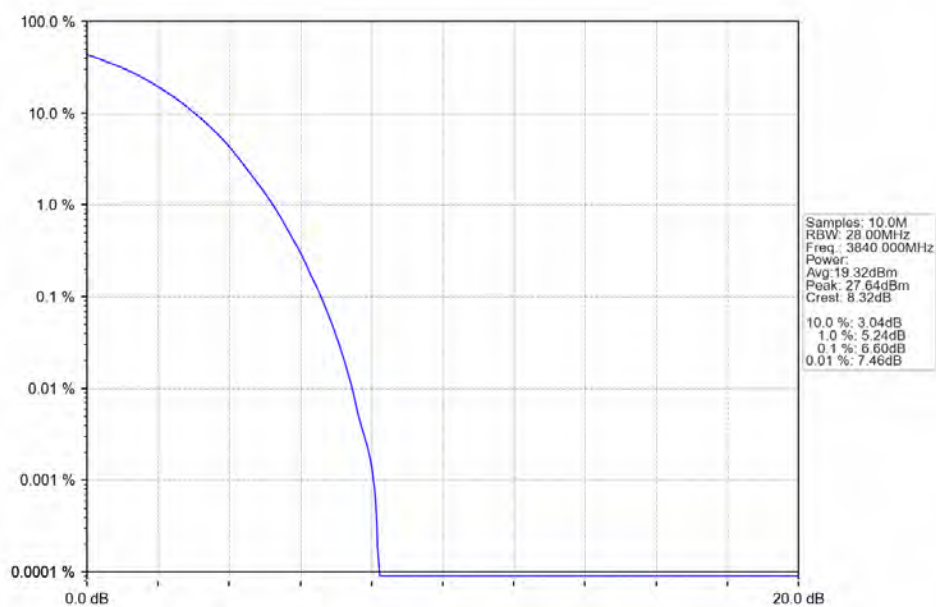
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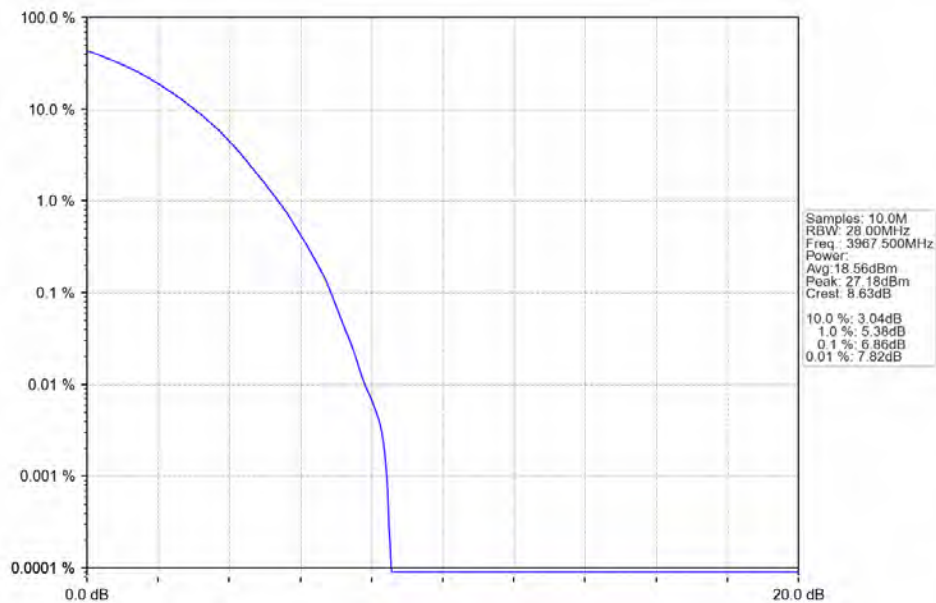
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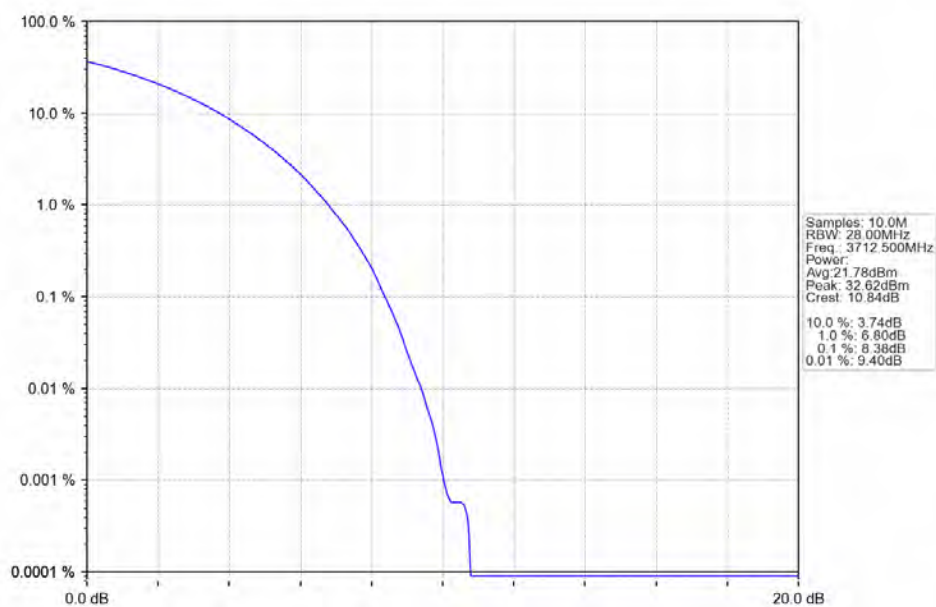
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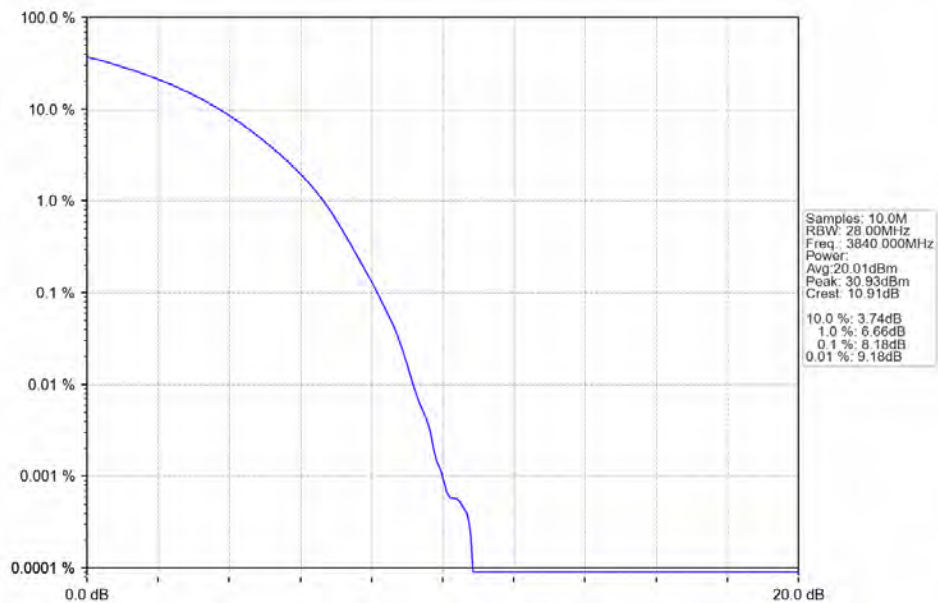
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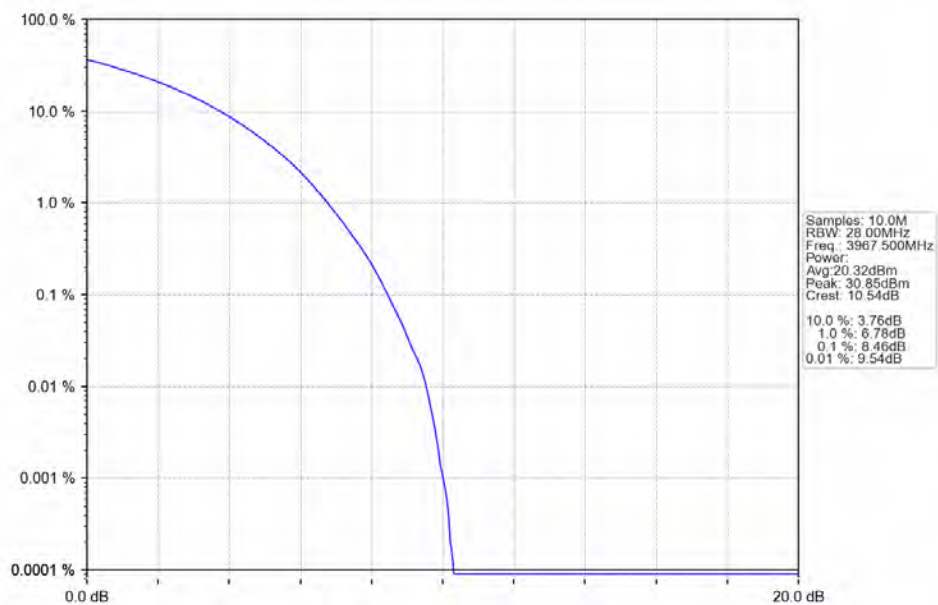
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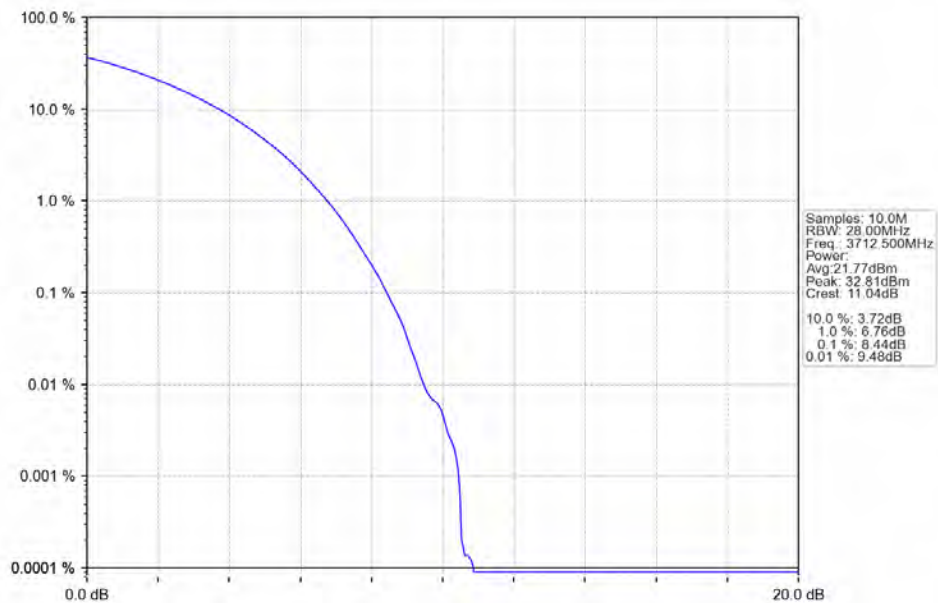
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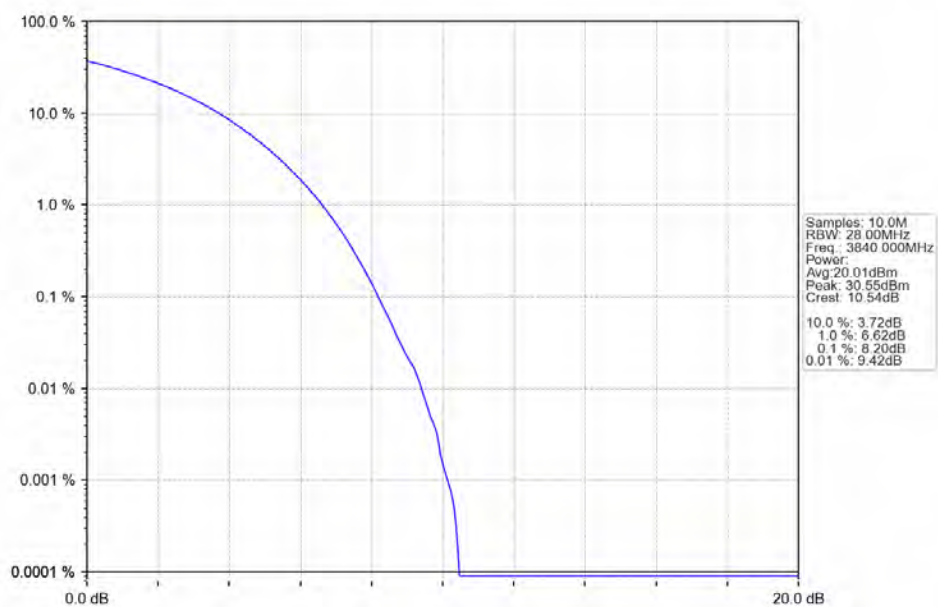
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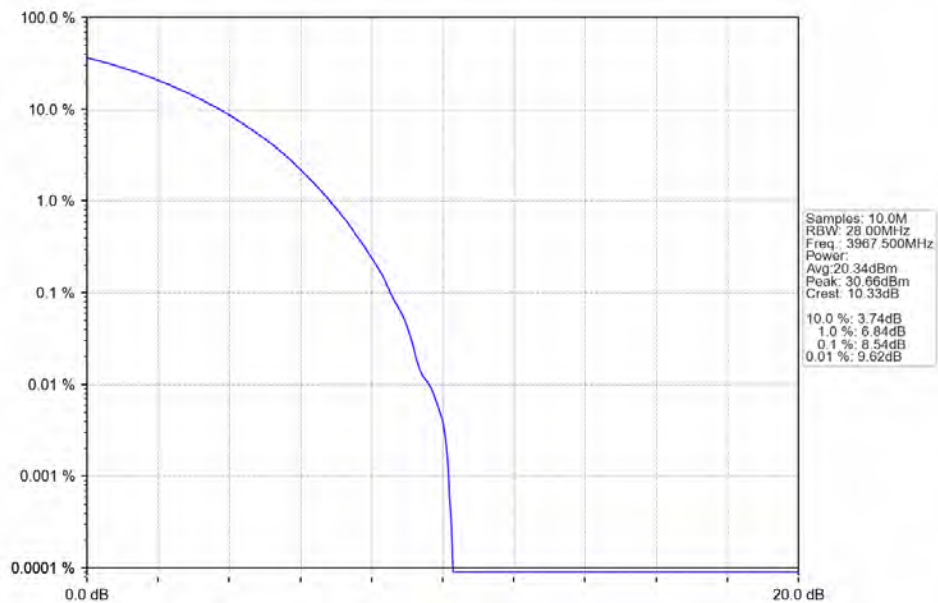
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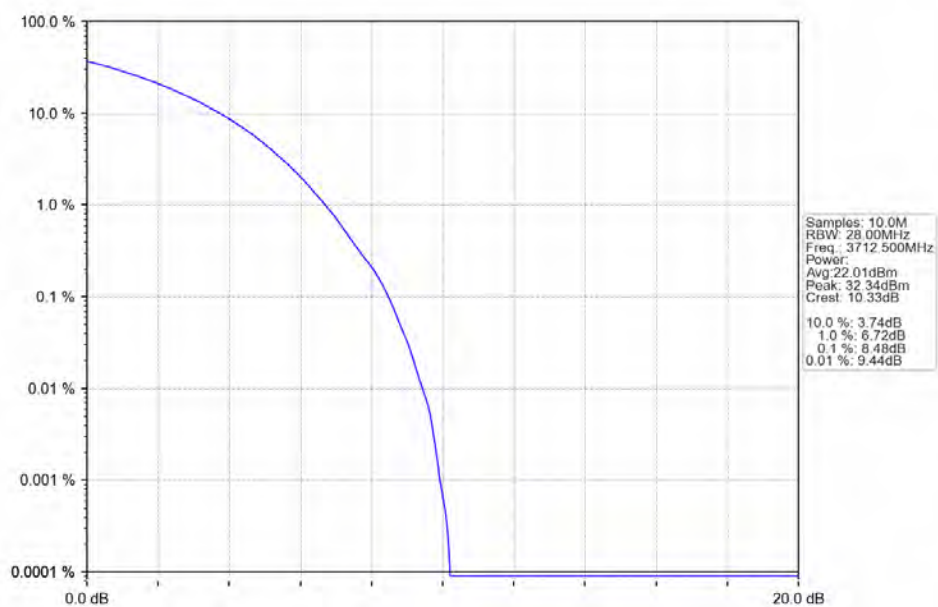
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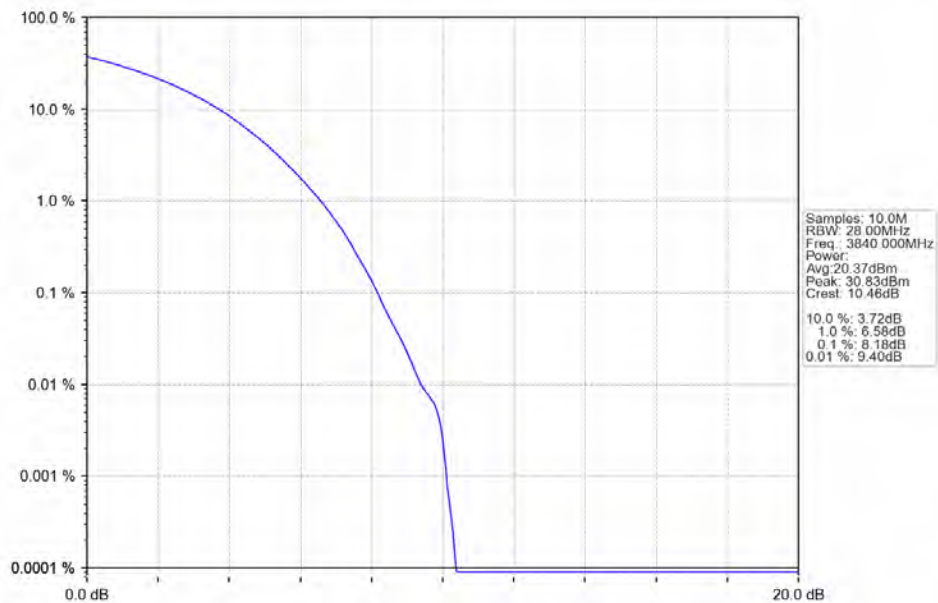
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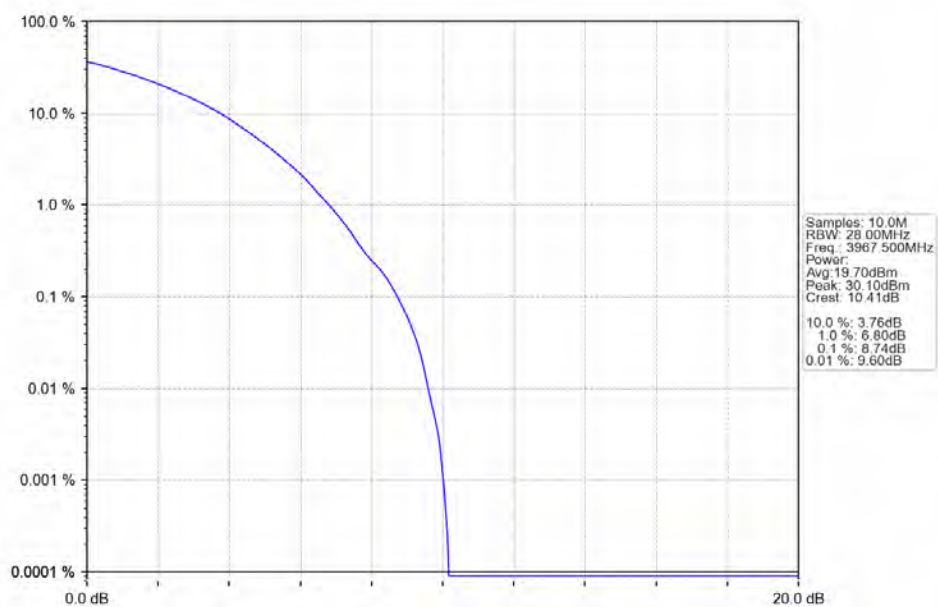
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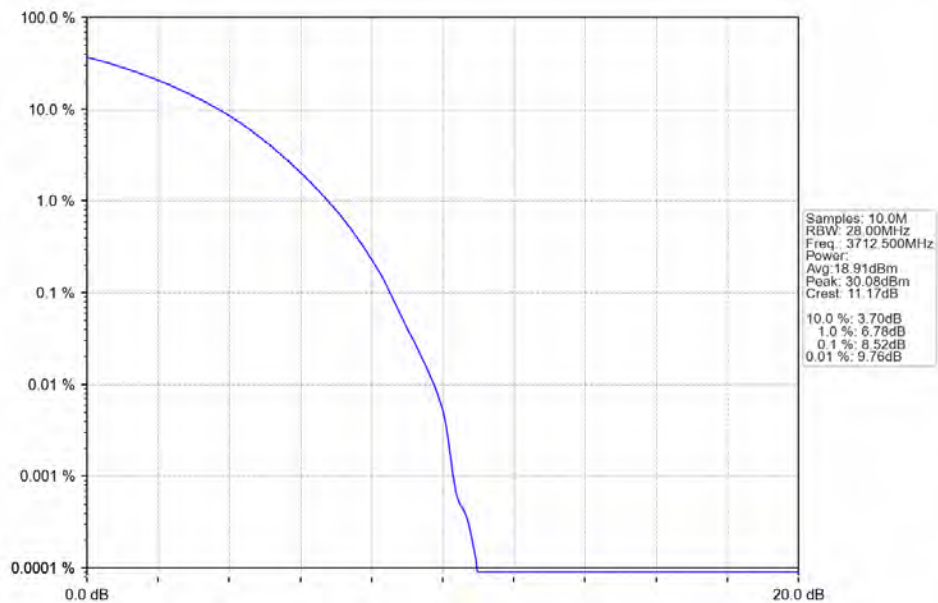
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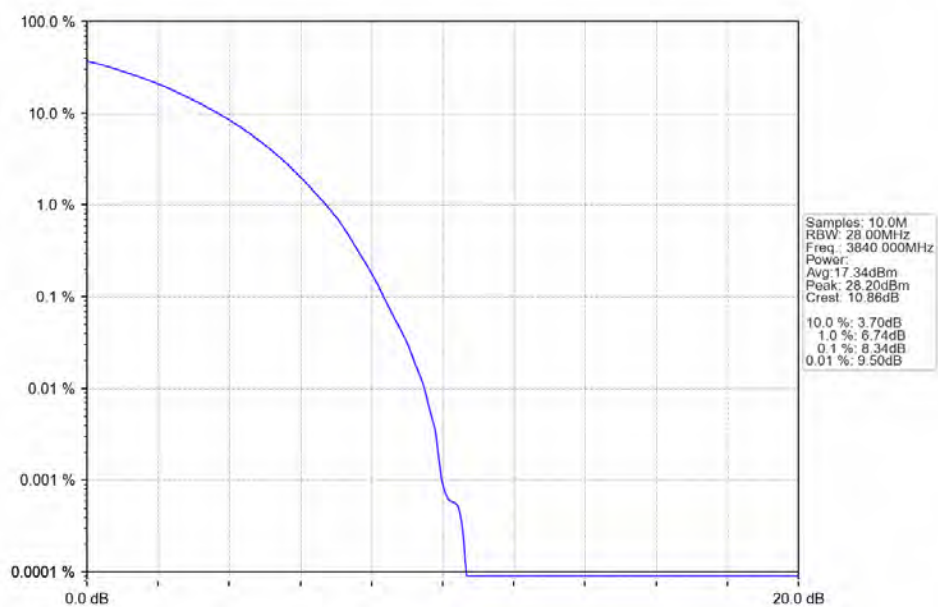
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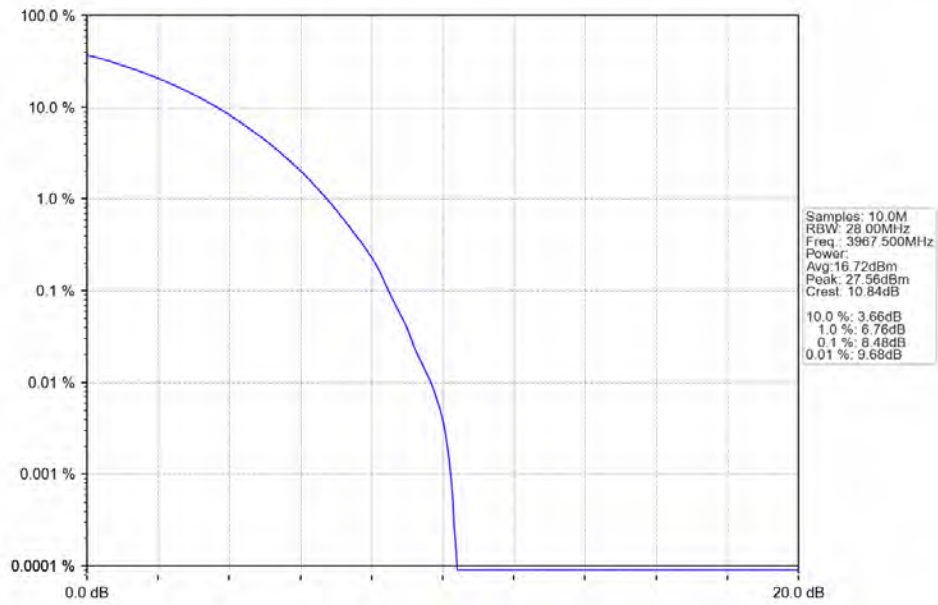
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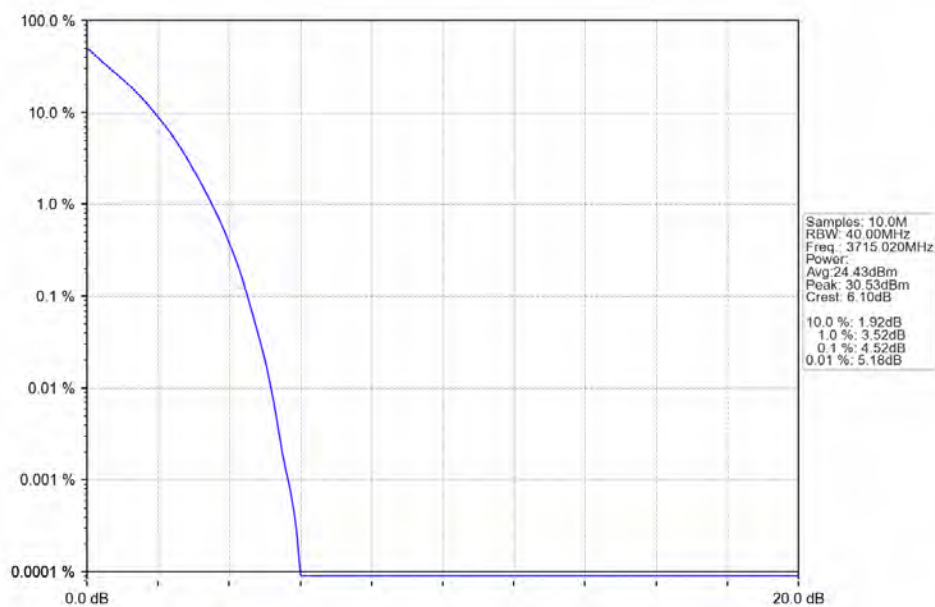


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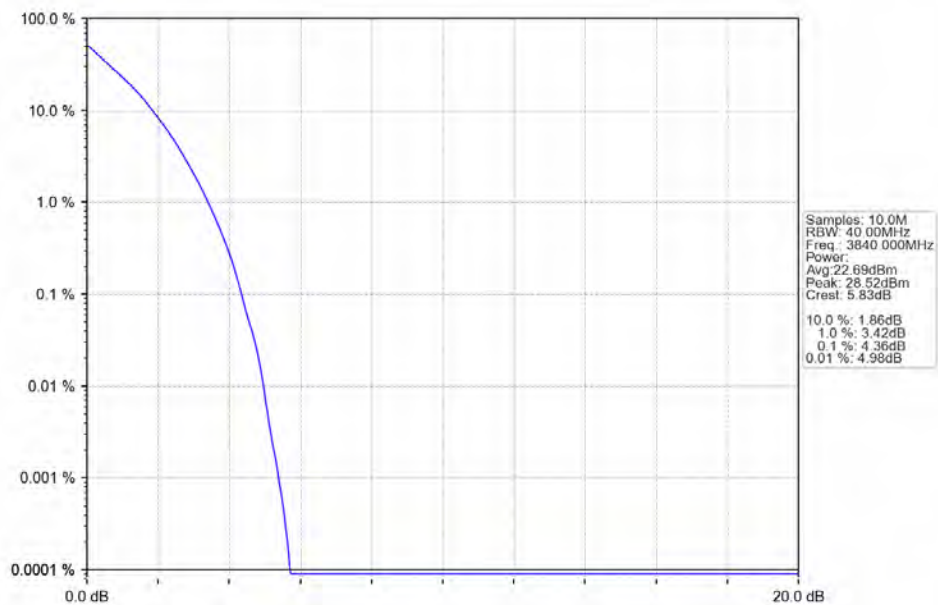


## 4.2.5 30k\_SISO\_30MHz\_NTNV

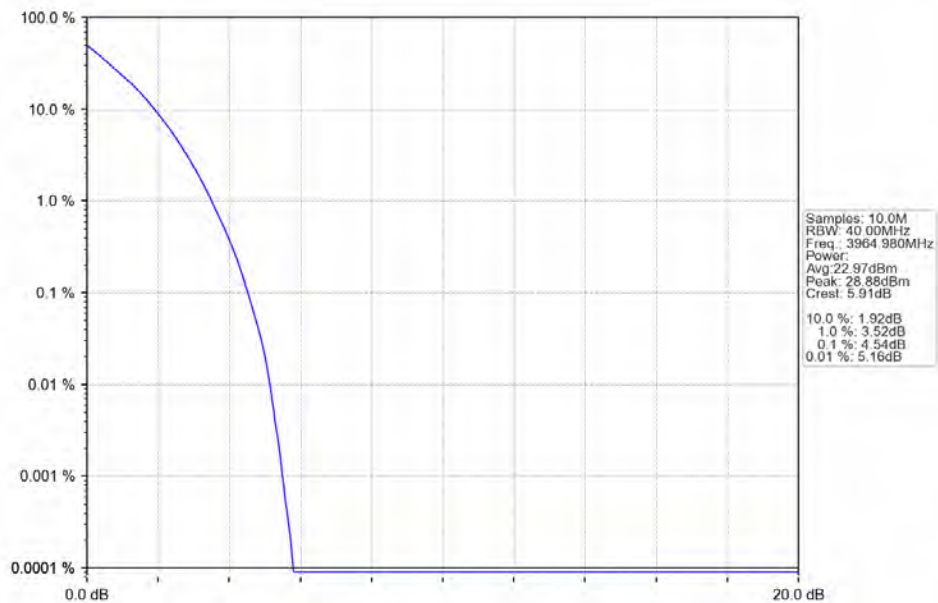
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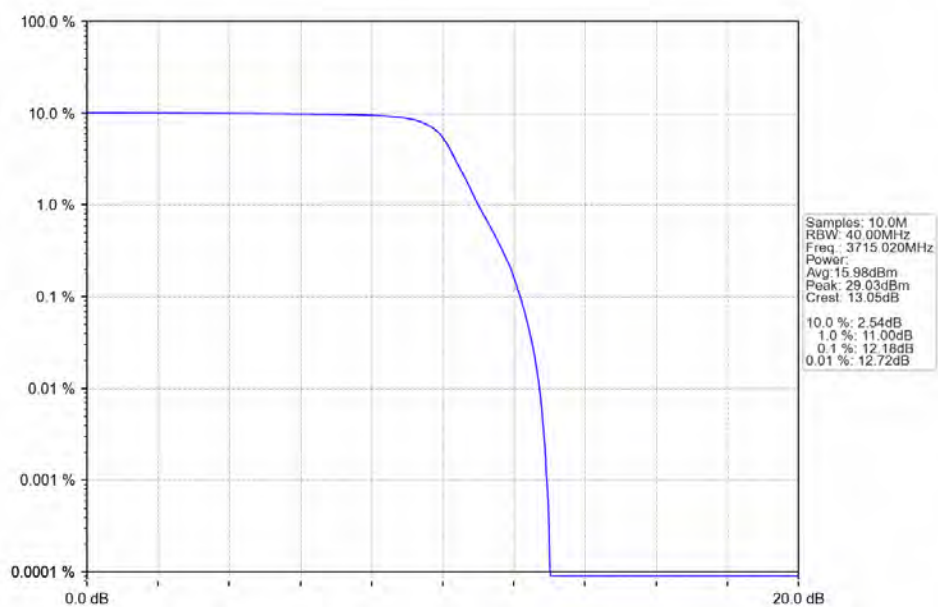
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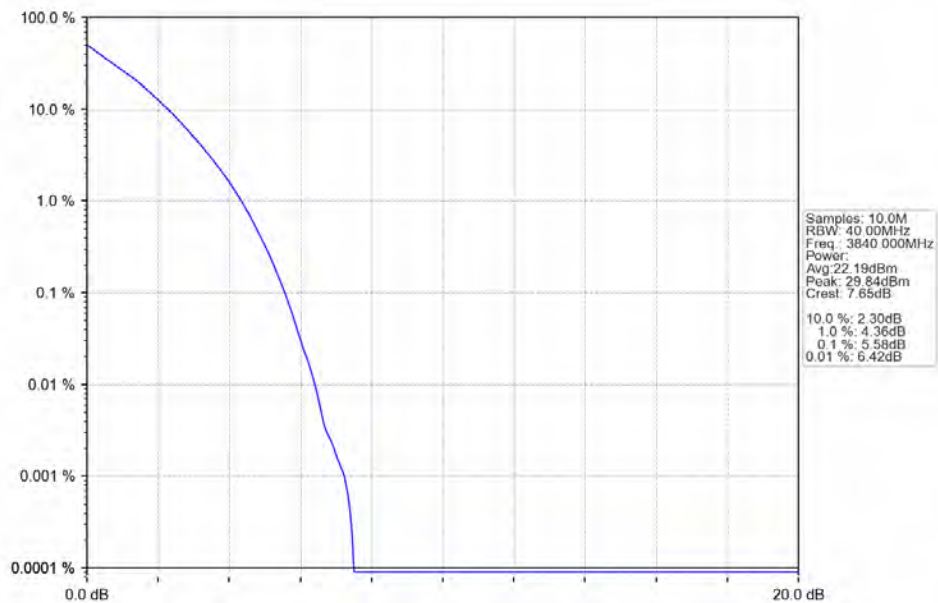
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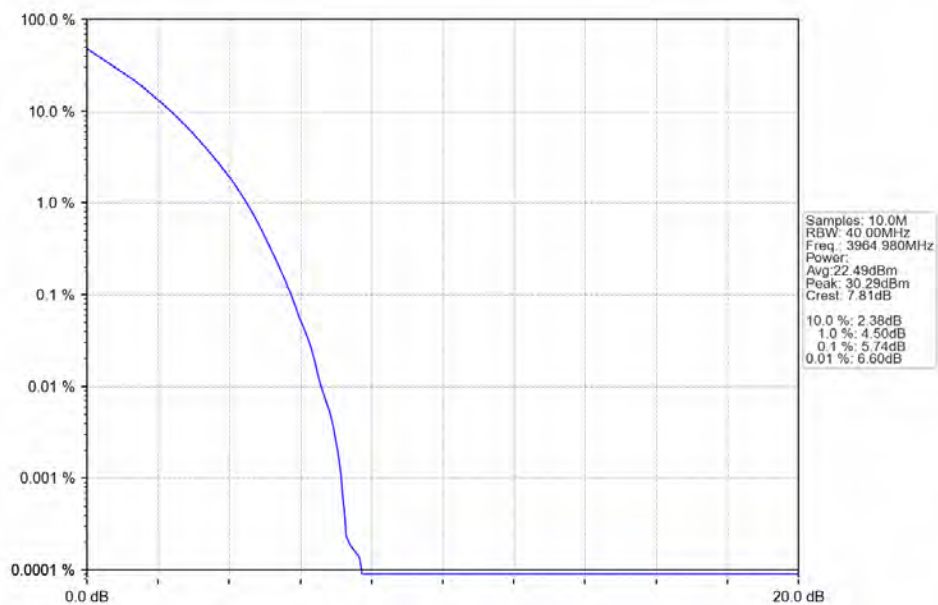
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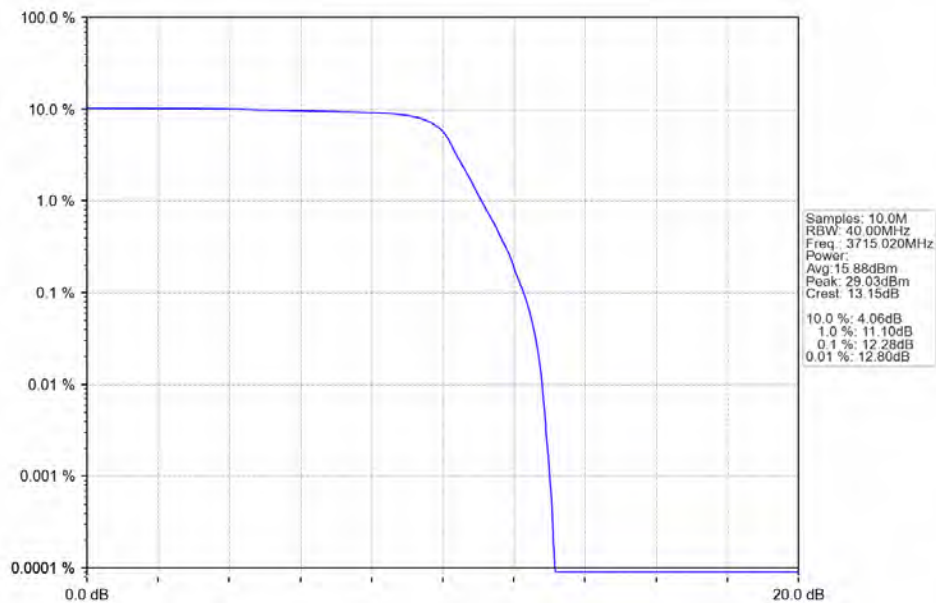
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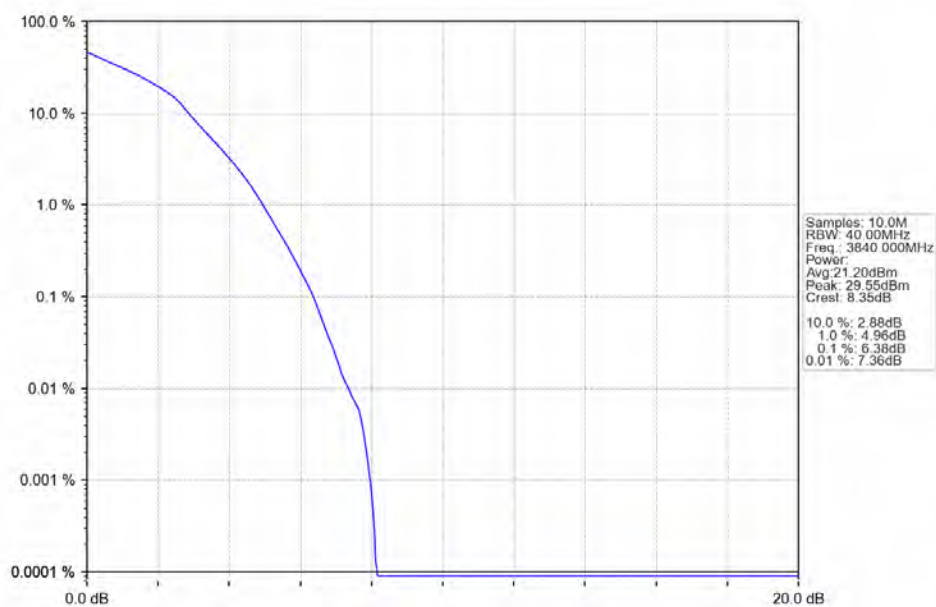
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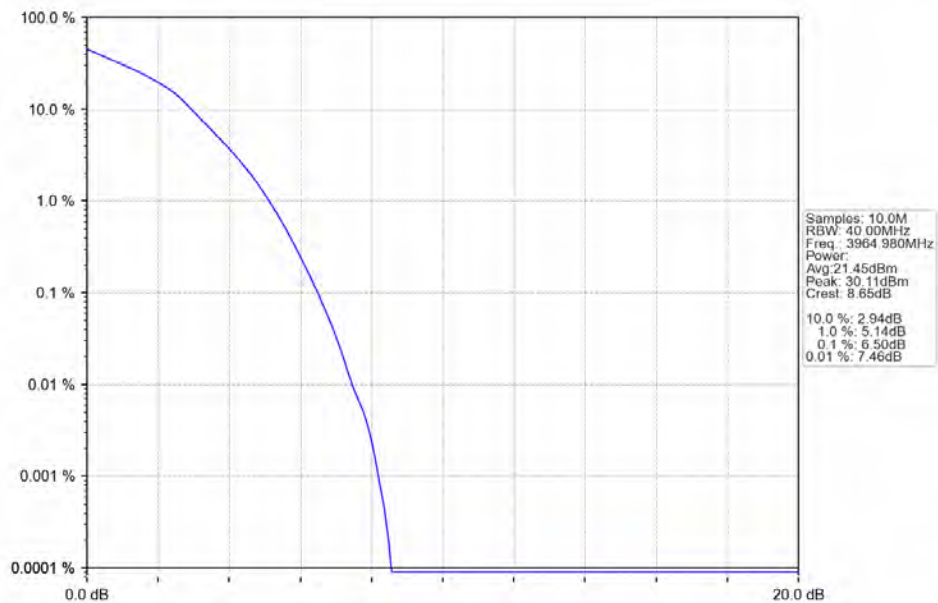
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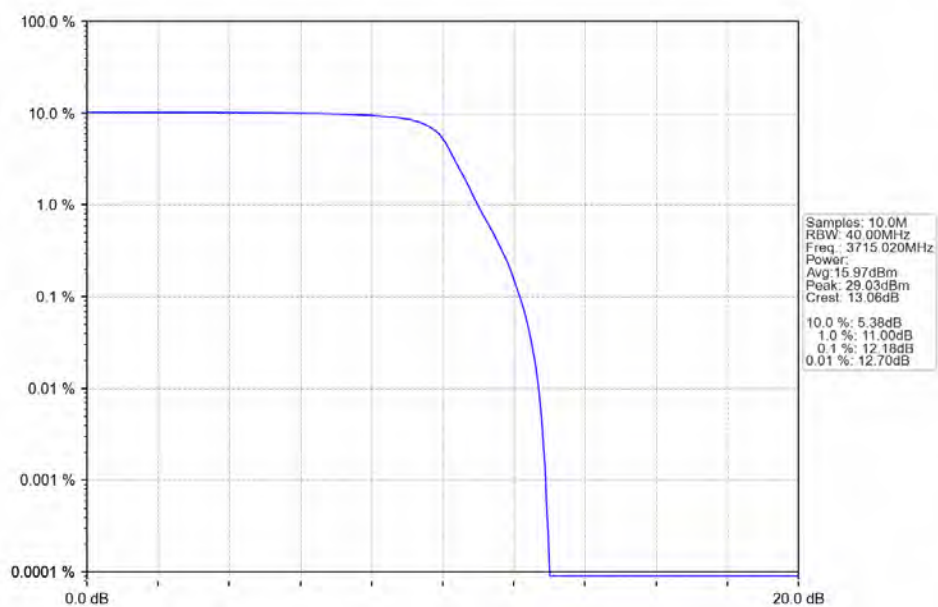
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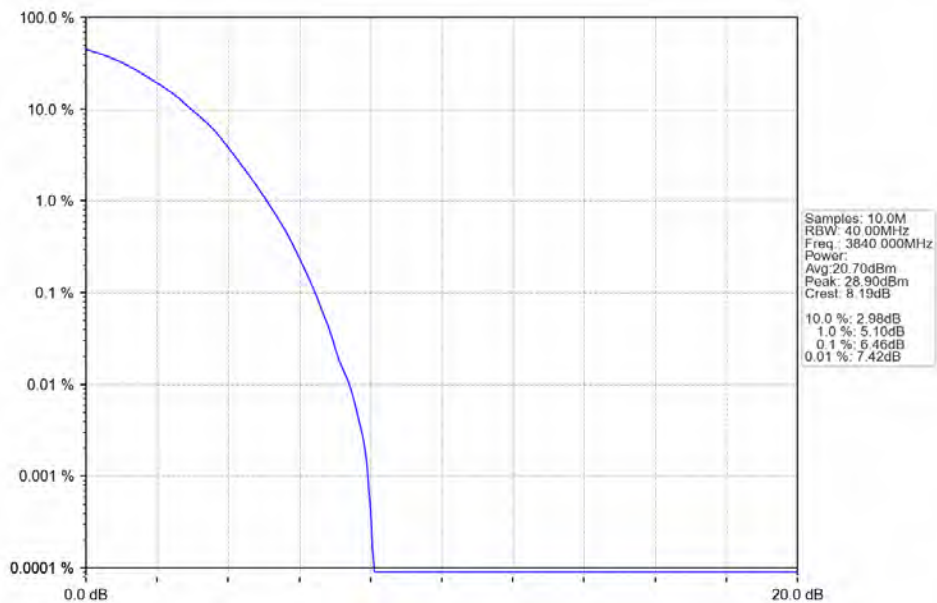
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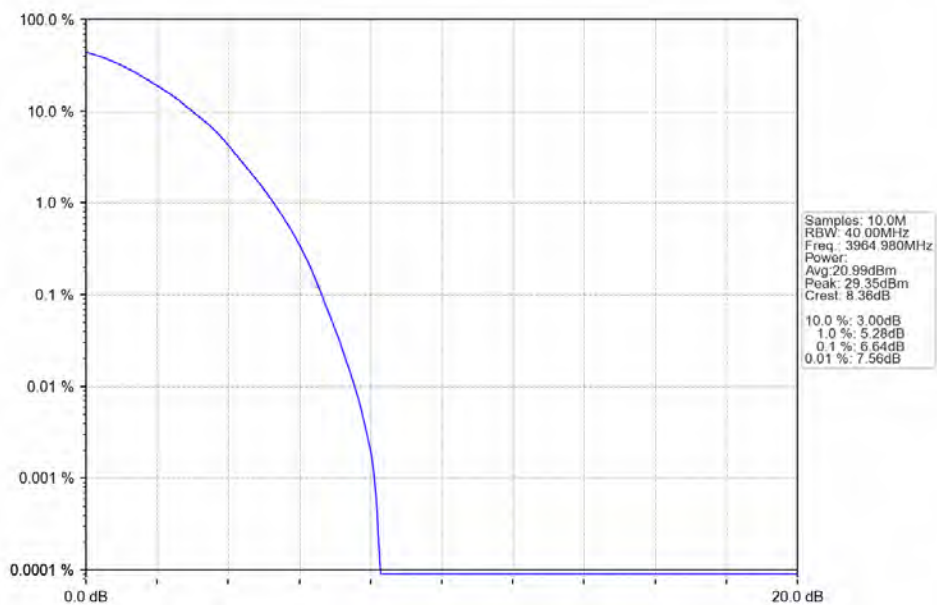
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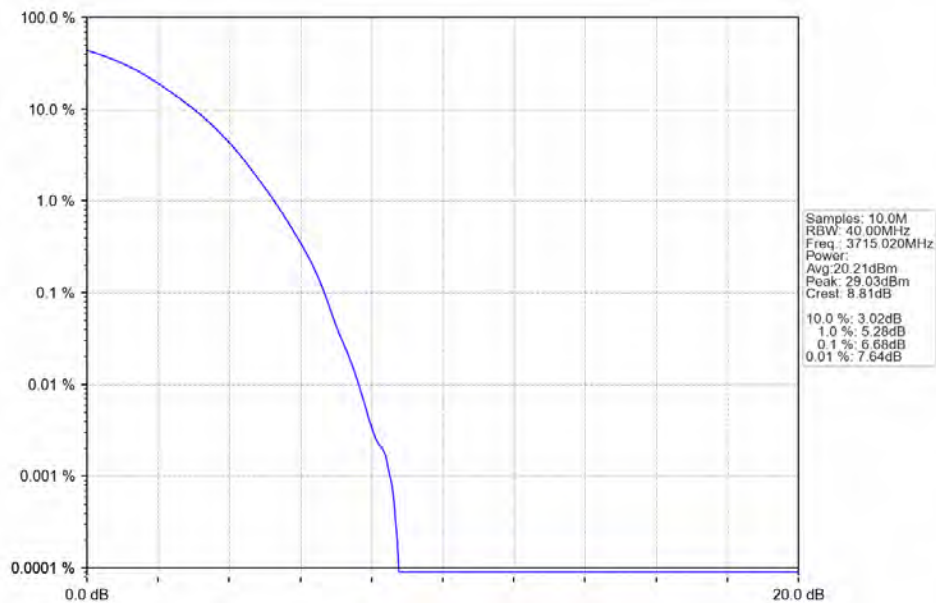
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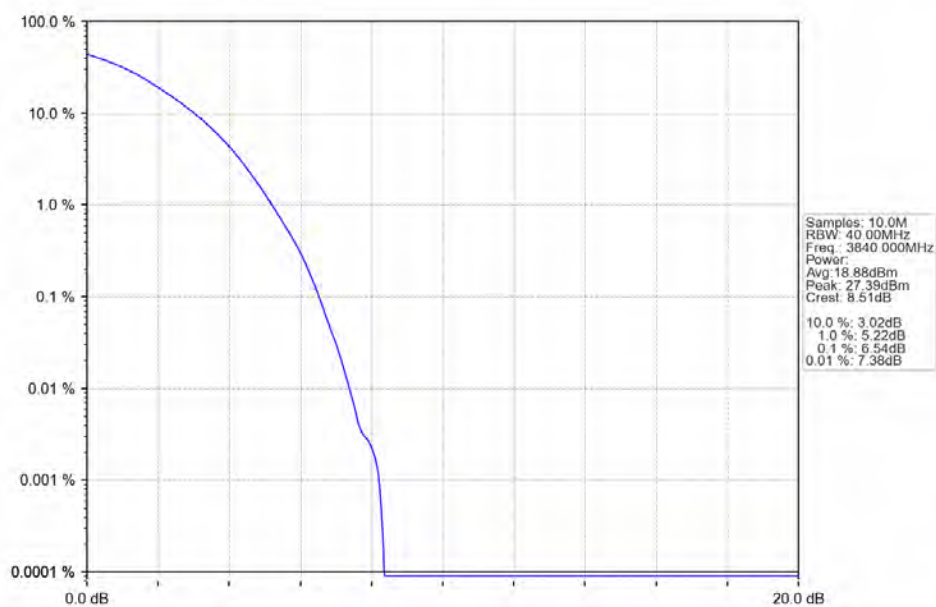
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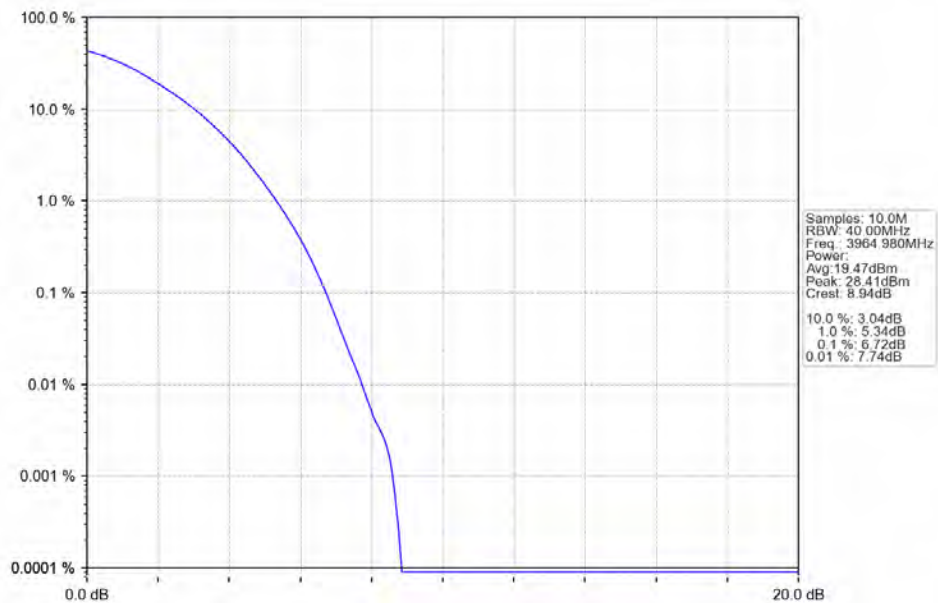
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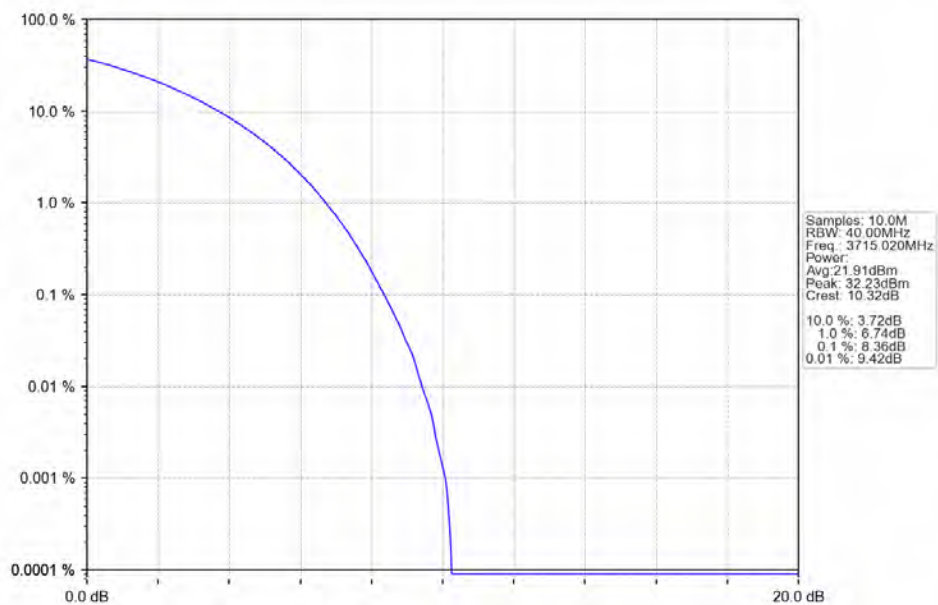
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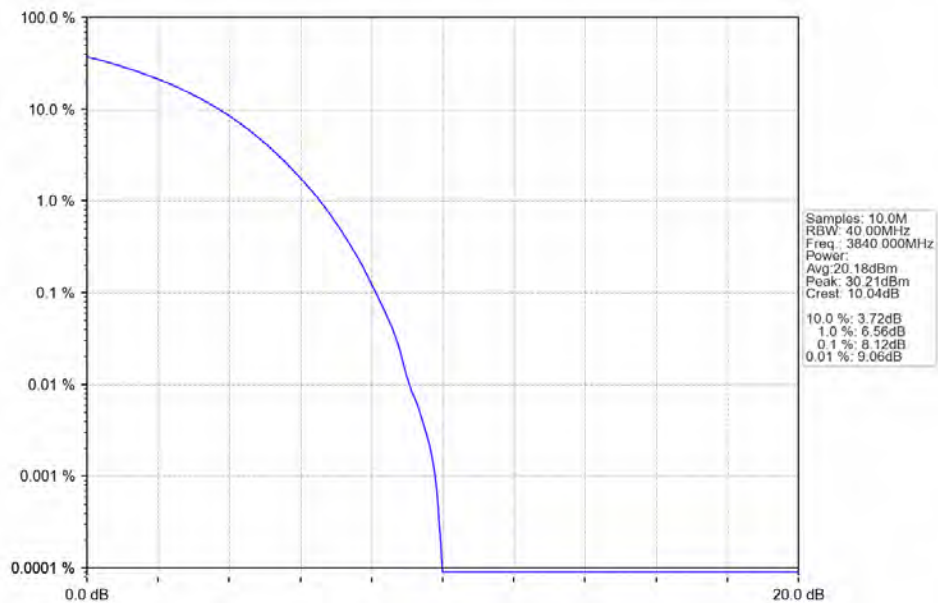
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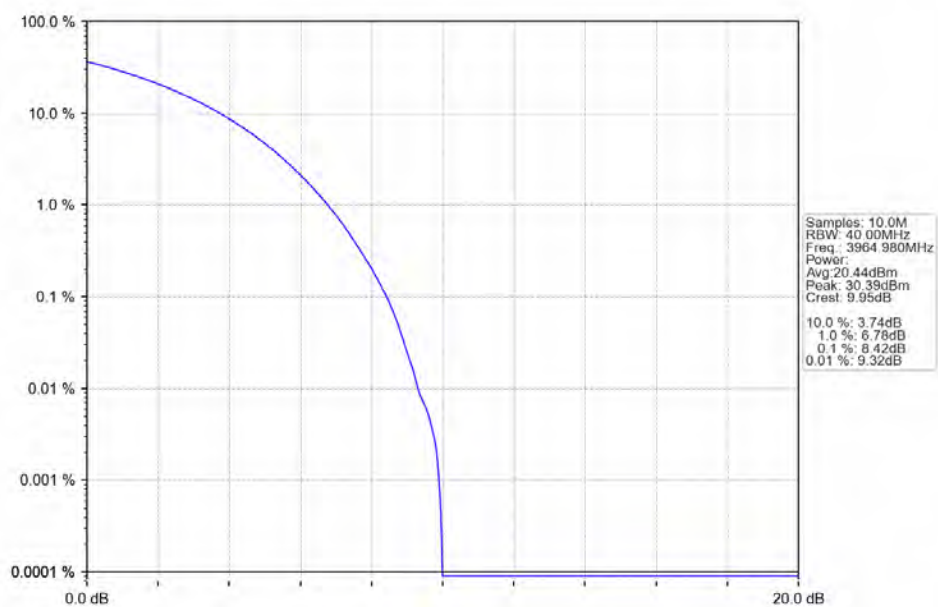
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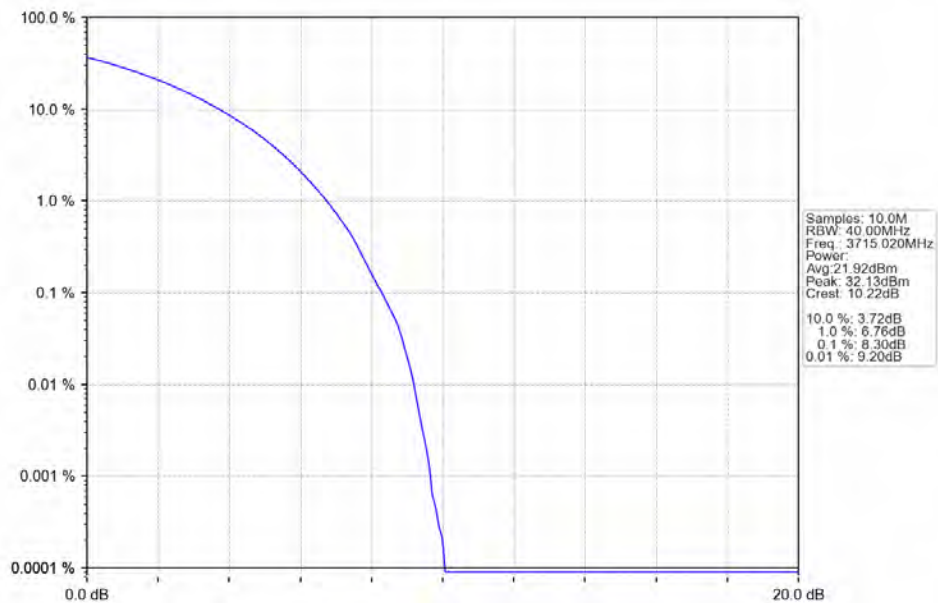
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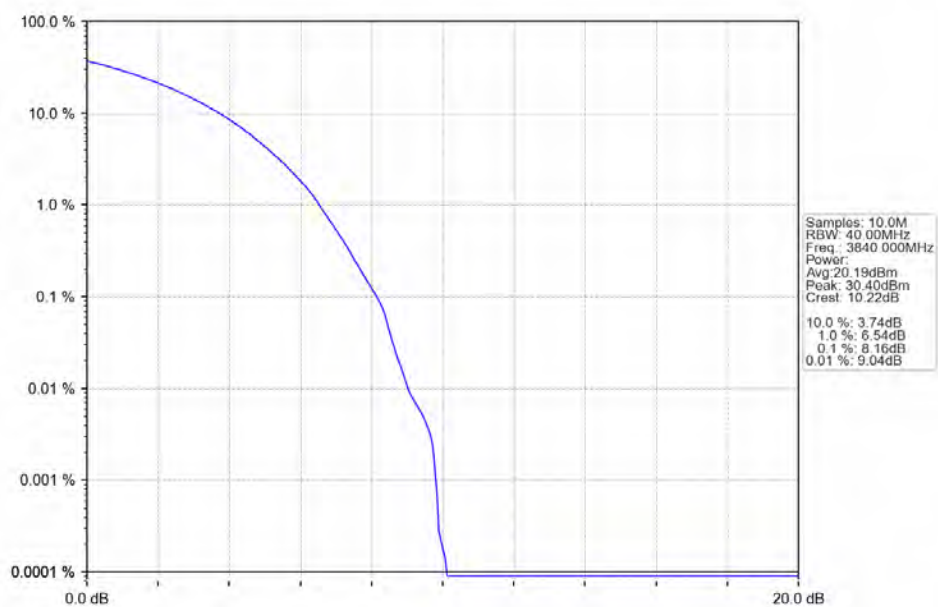
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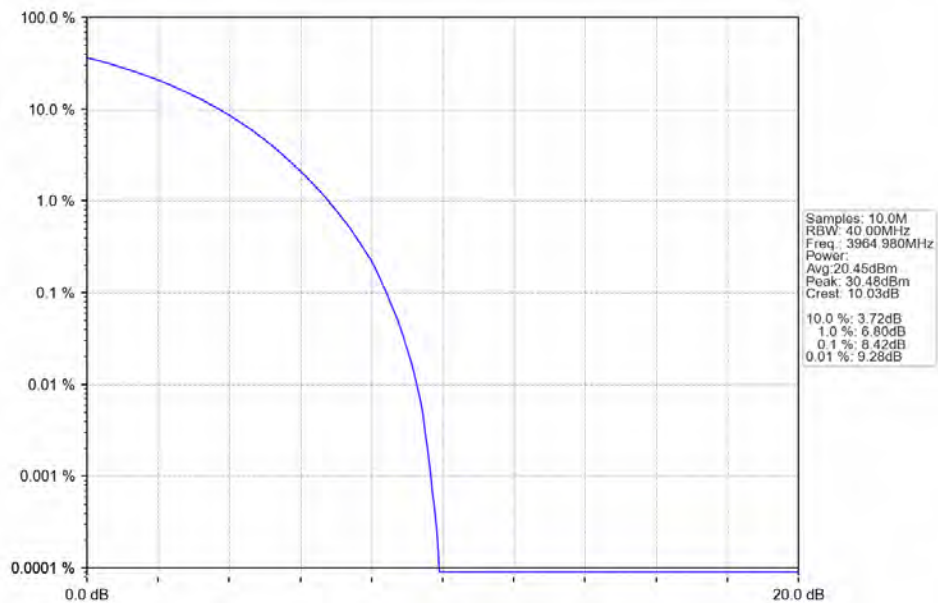
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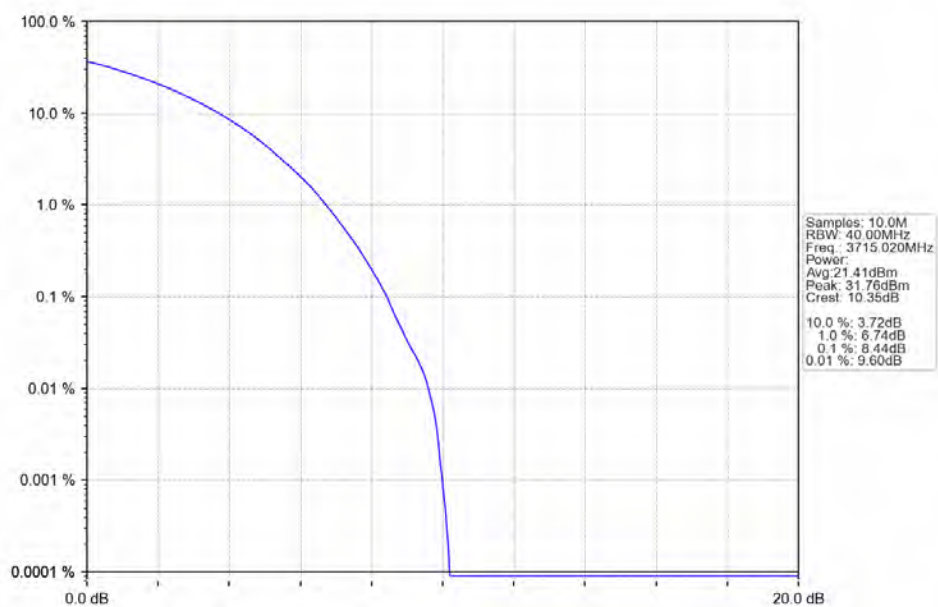
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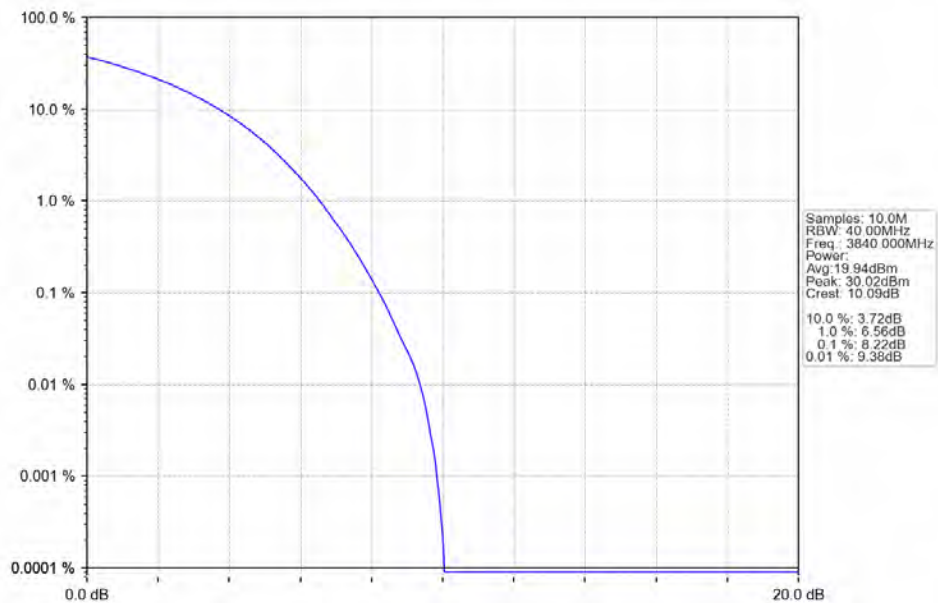
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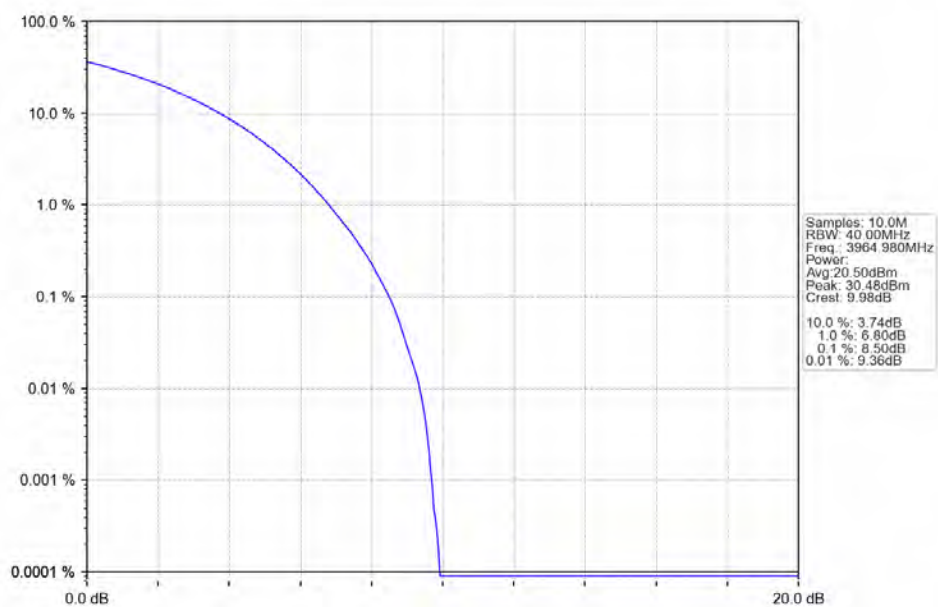
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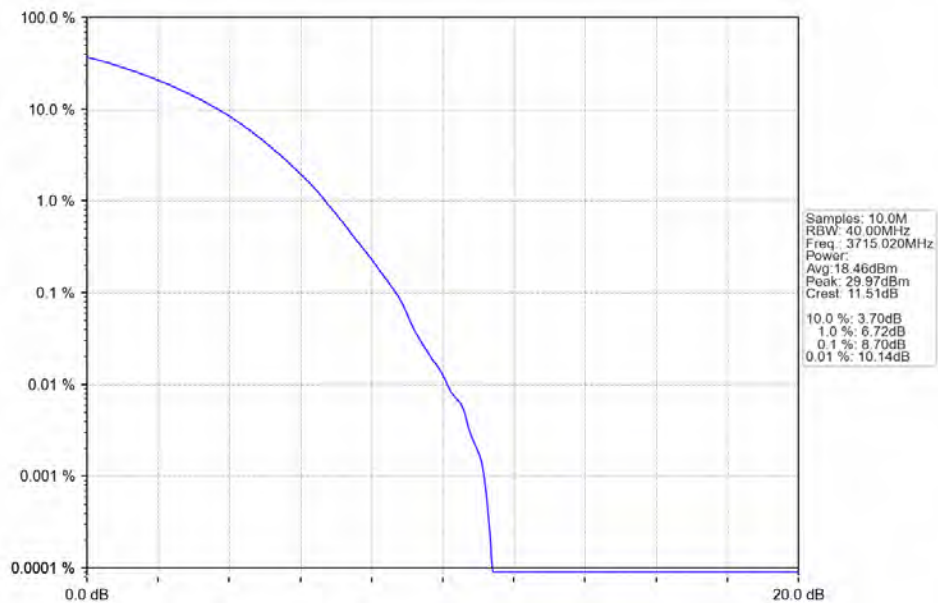
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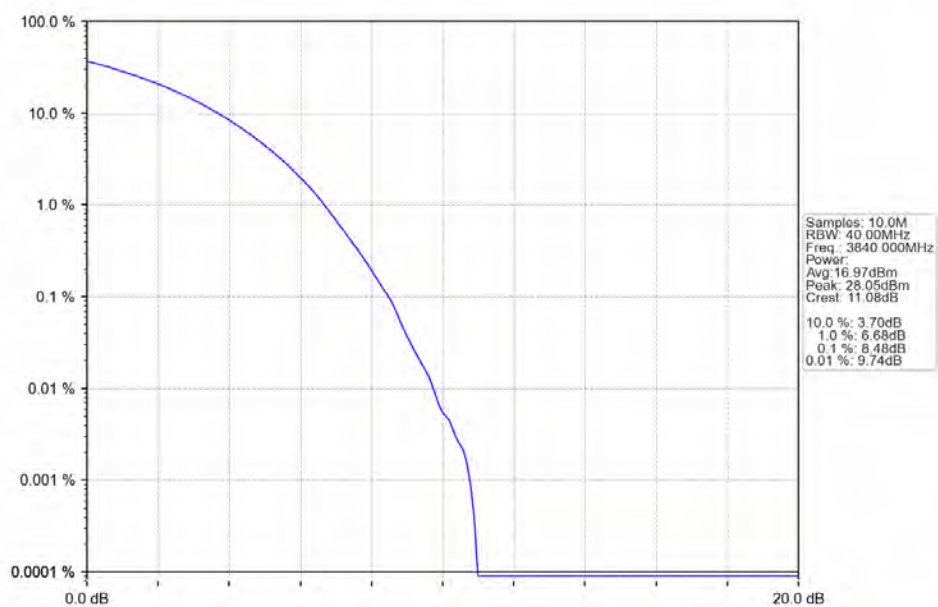
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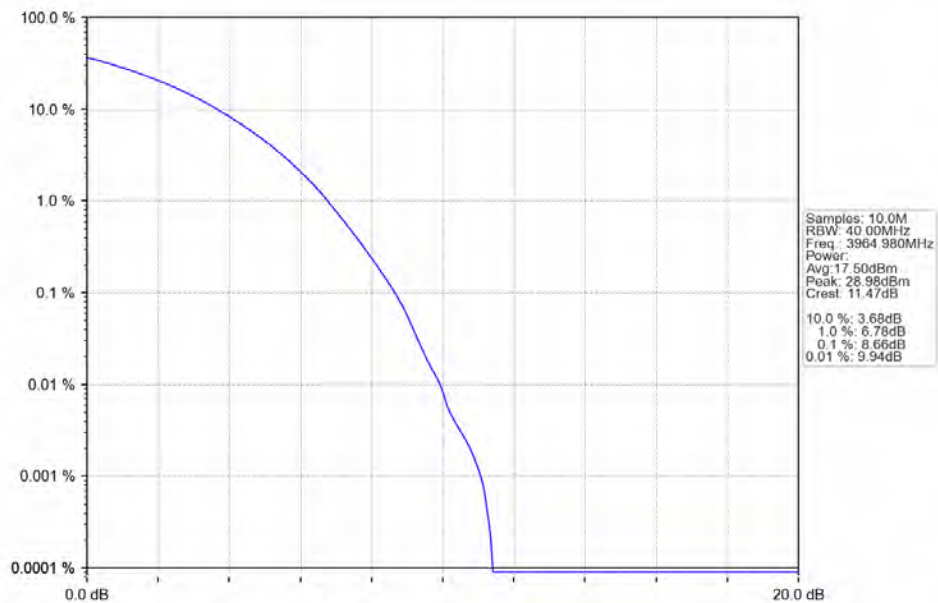
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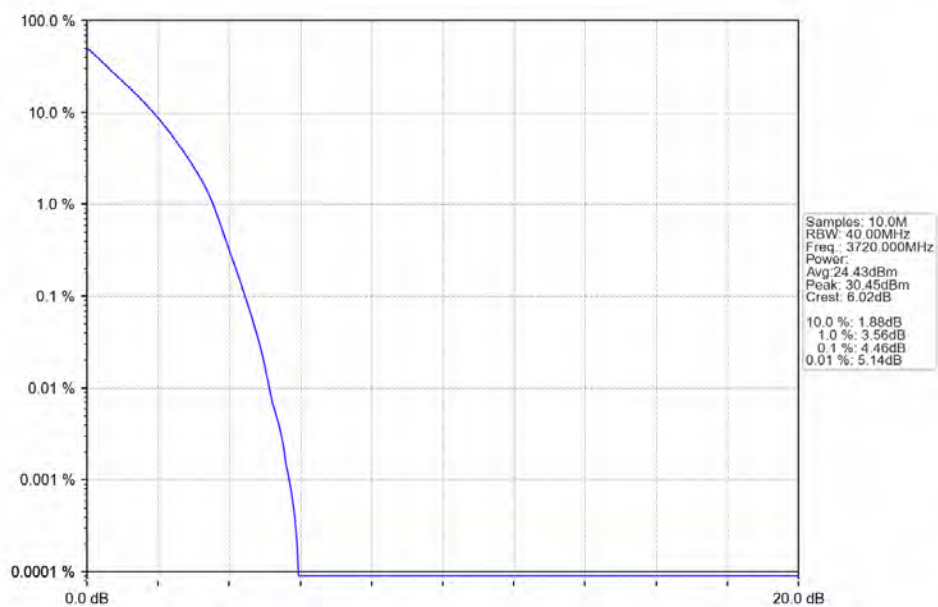


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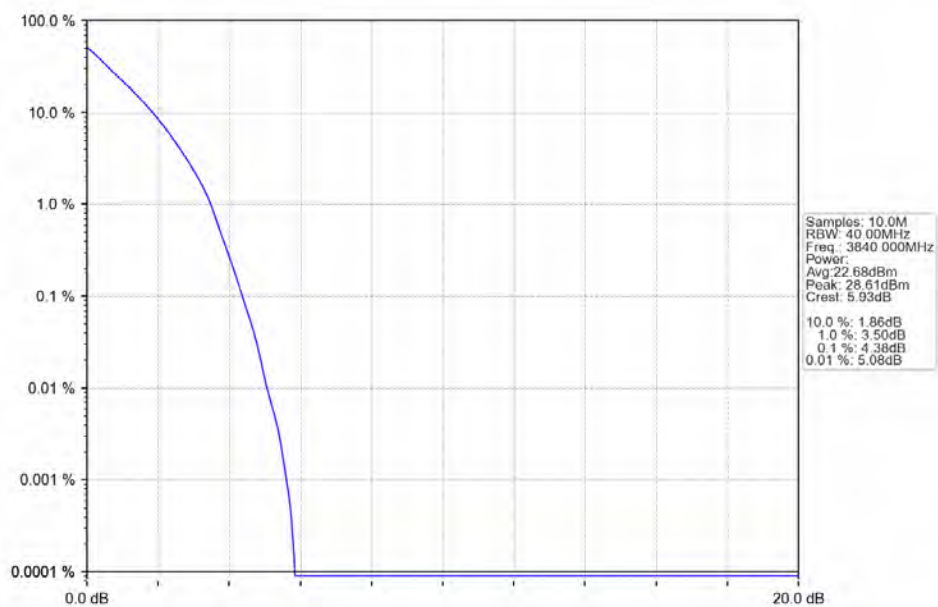


## 4.2.6 30k\_SISO\_40MHz\_NTNV

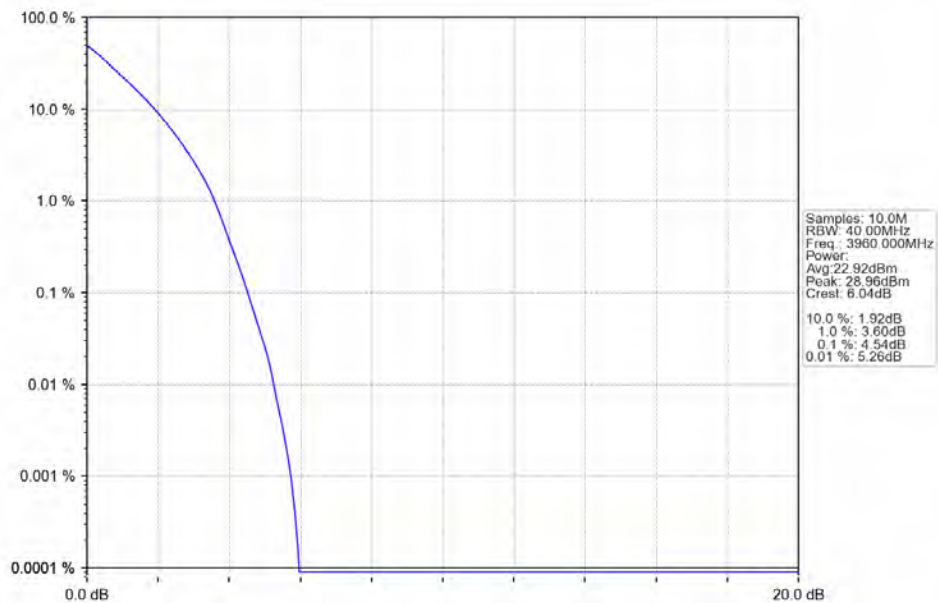
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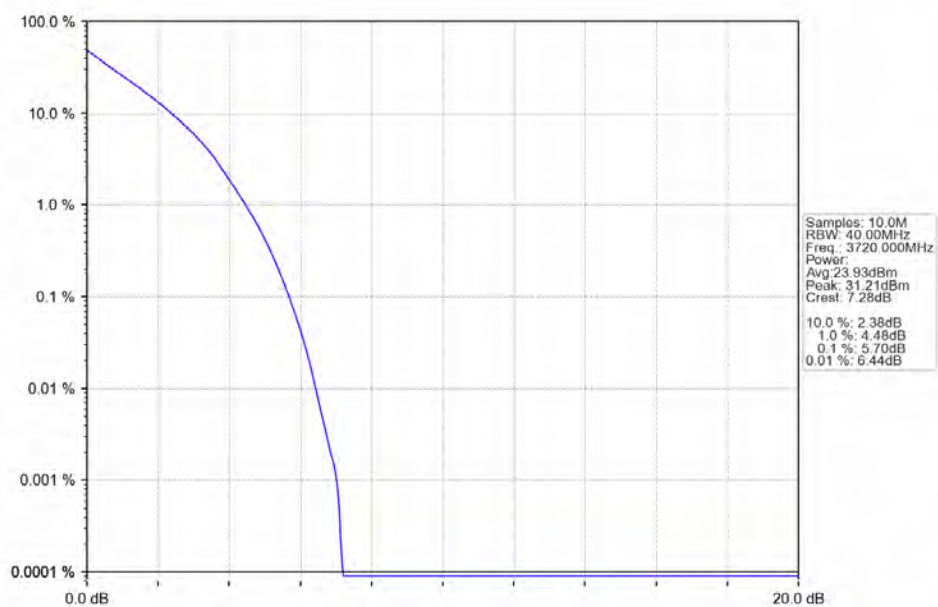
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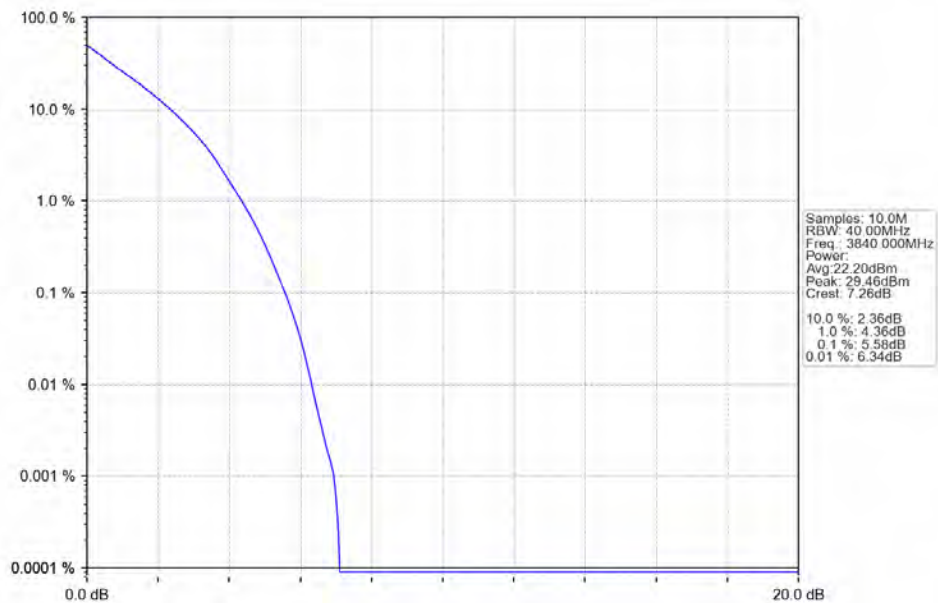
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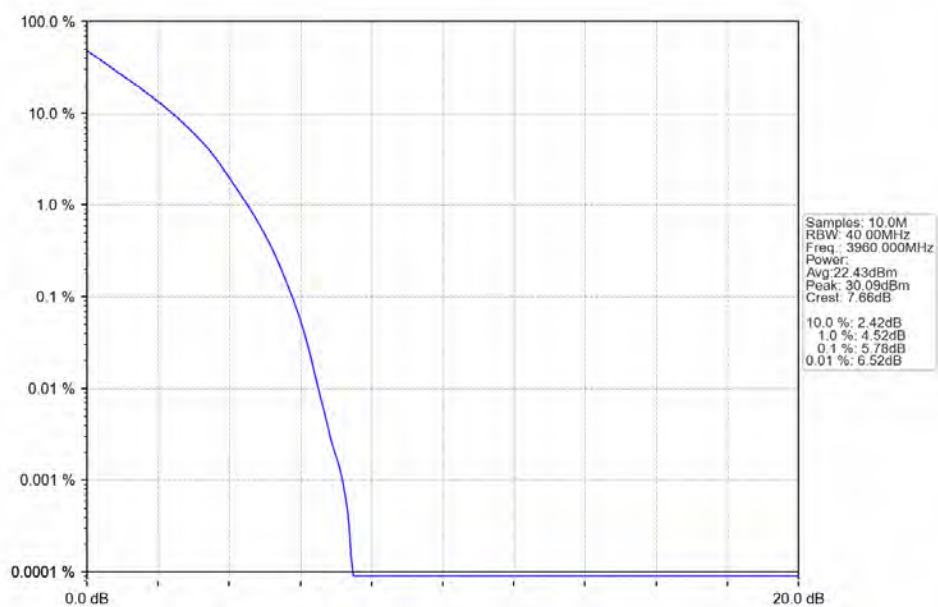
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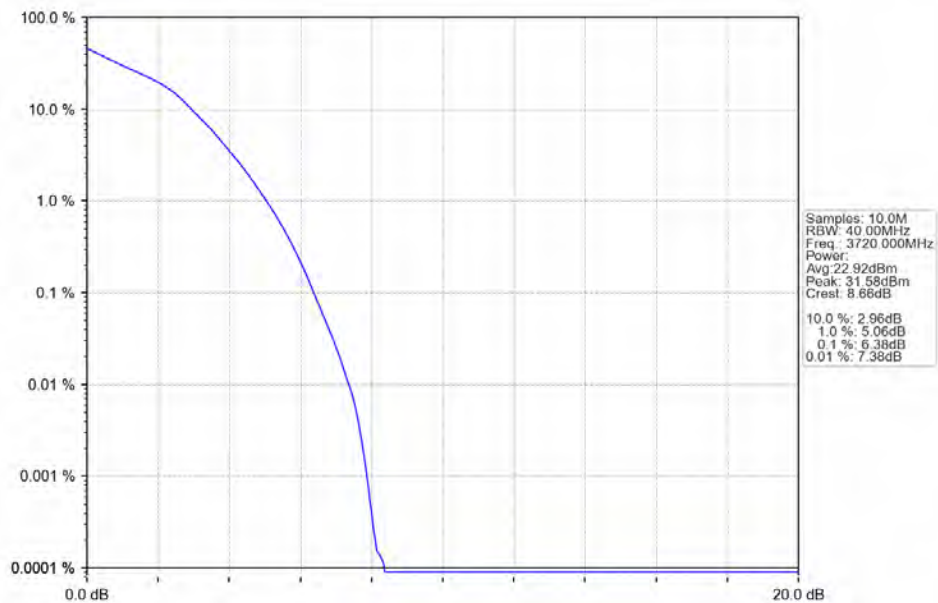
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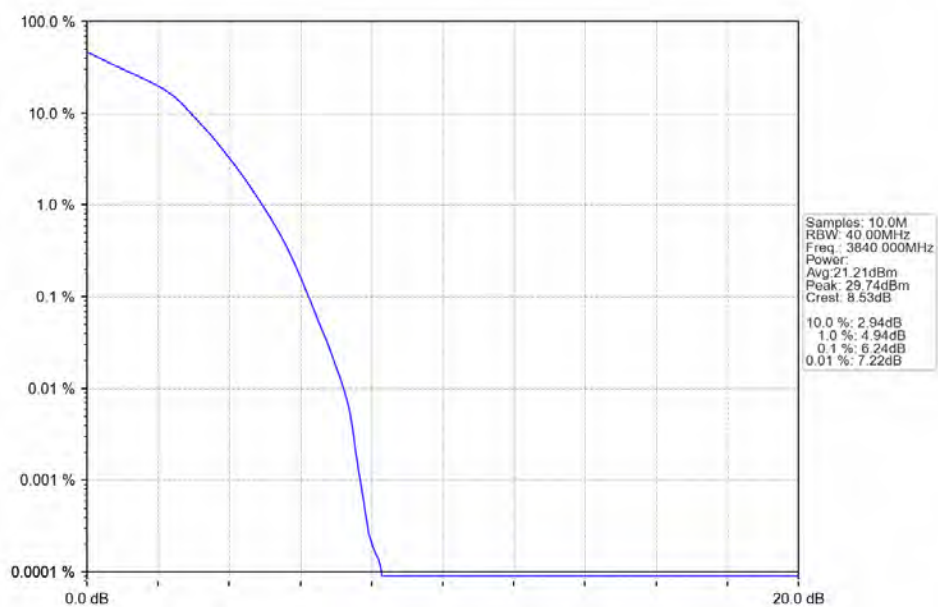
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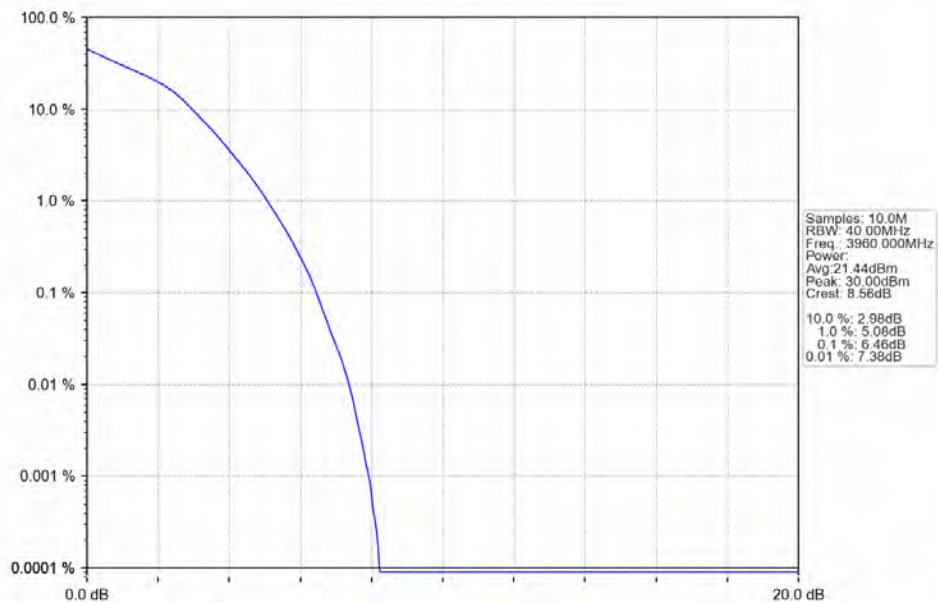
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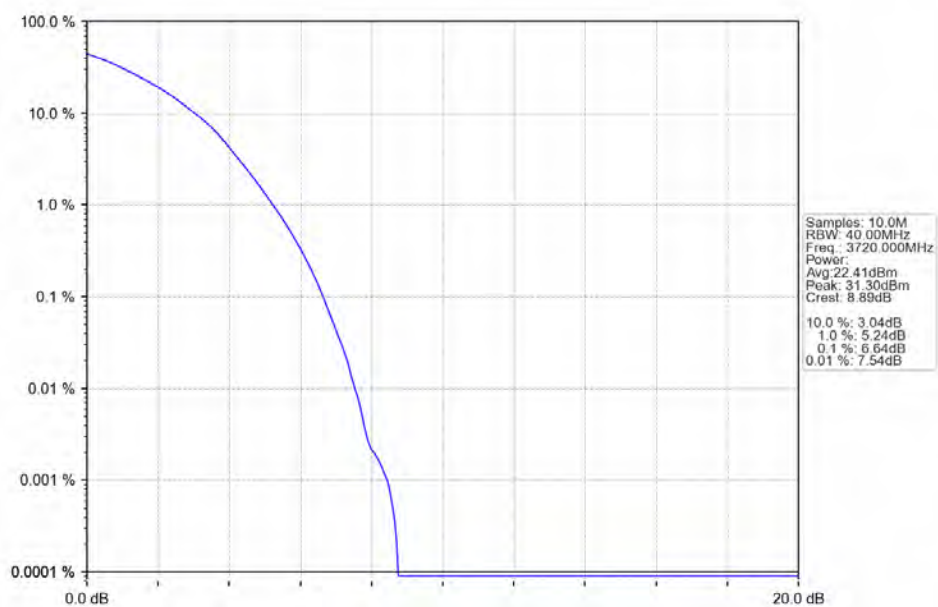
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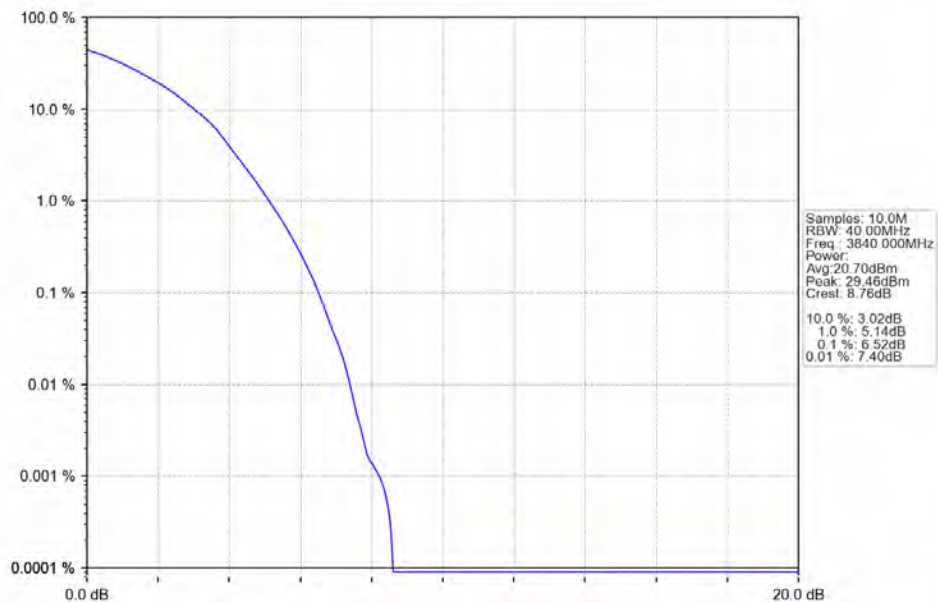
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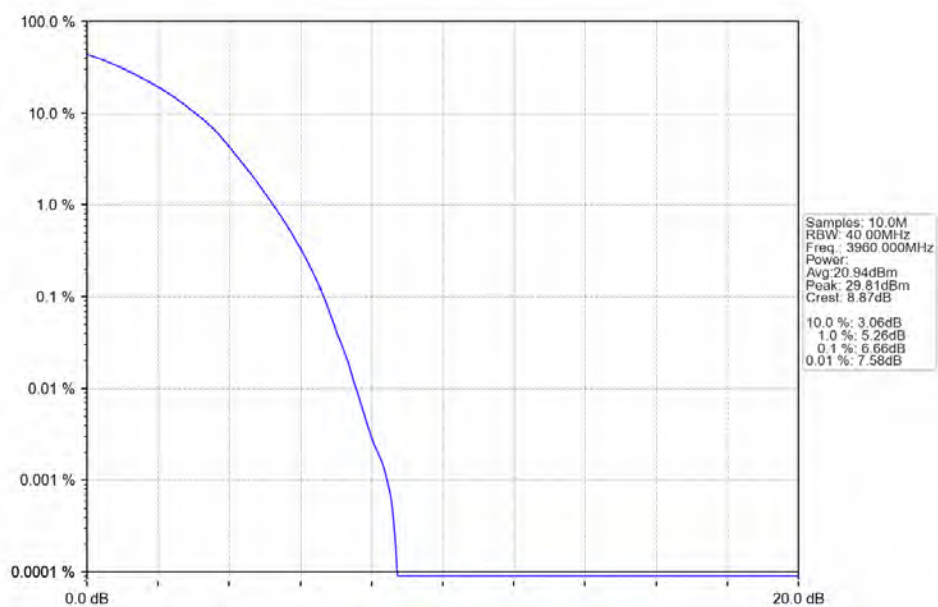
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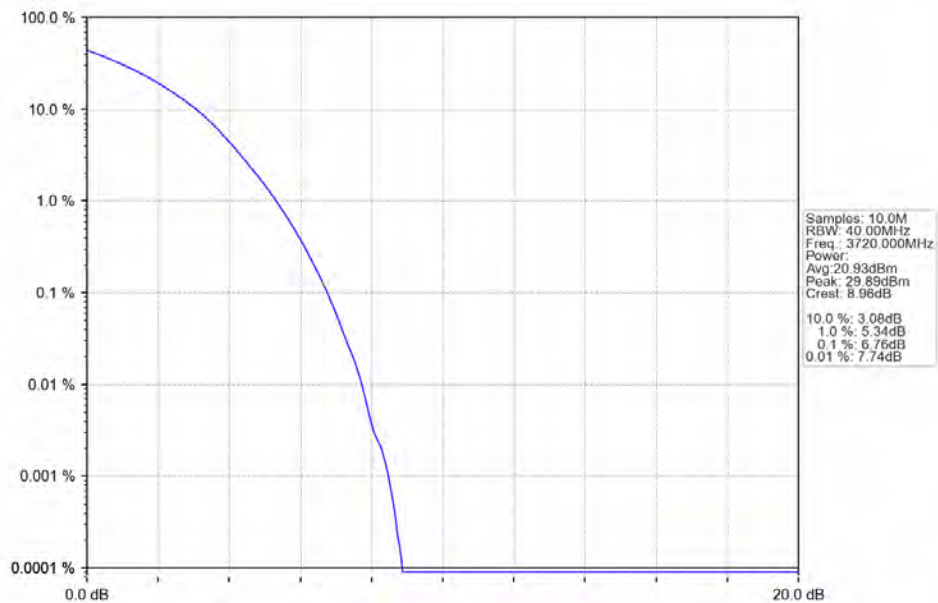
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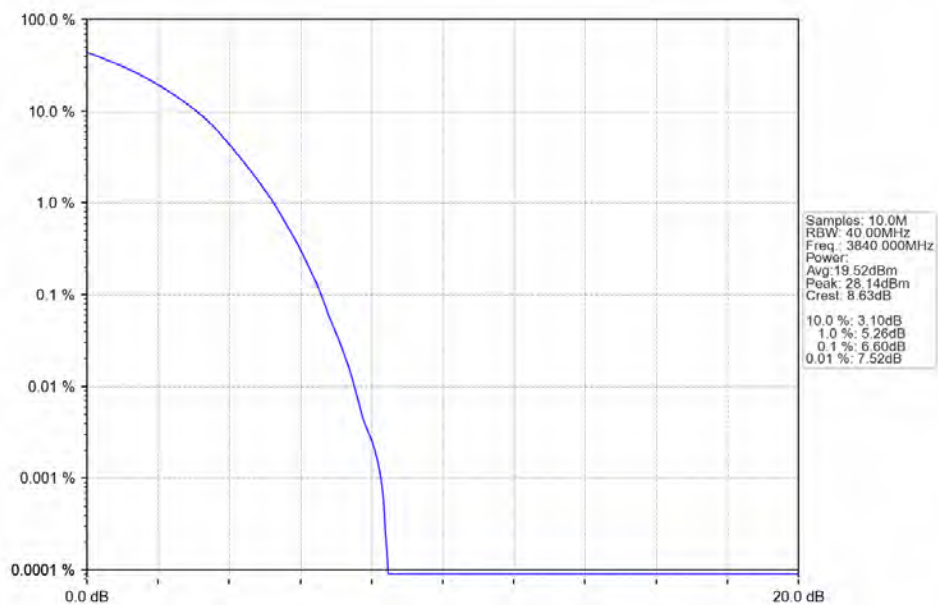
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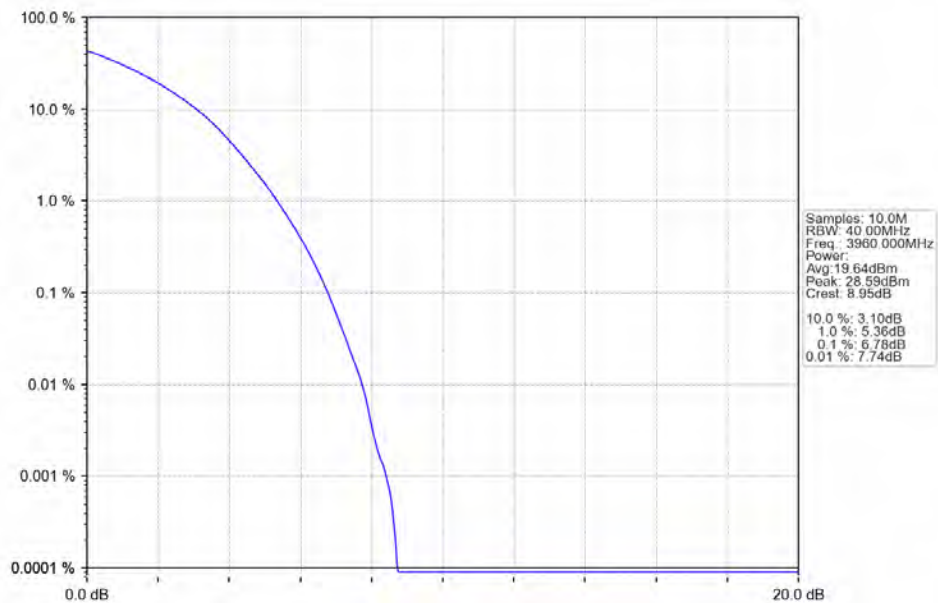
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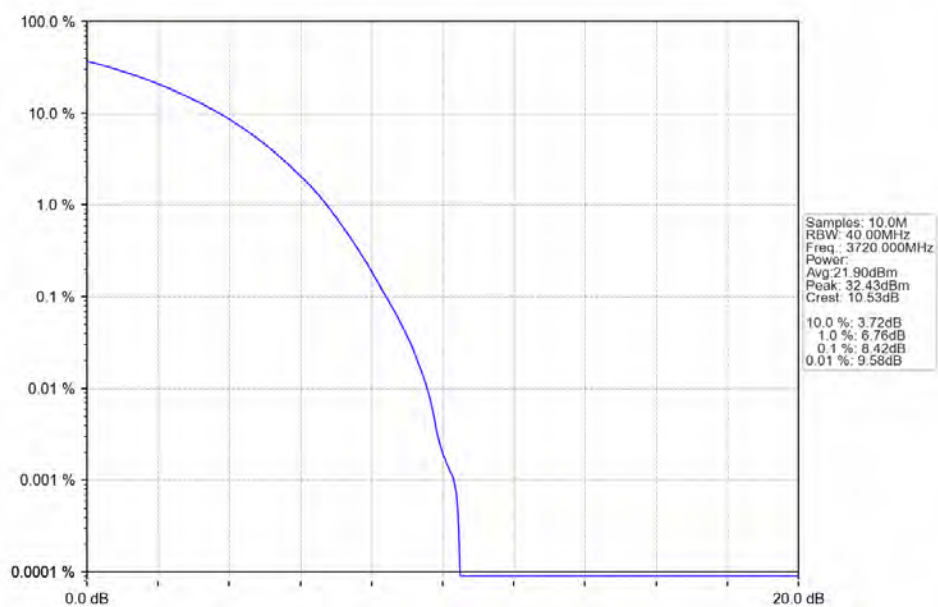
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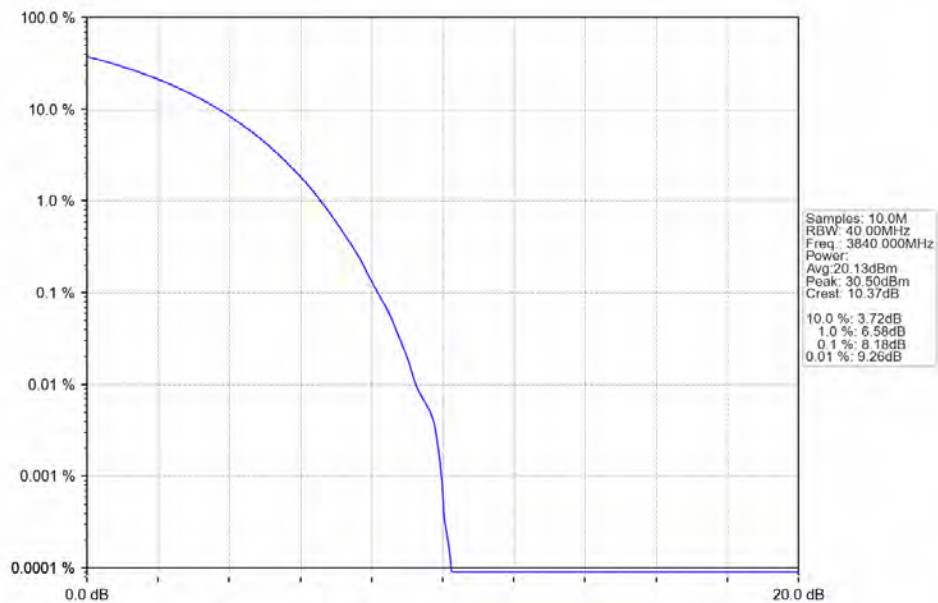
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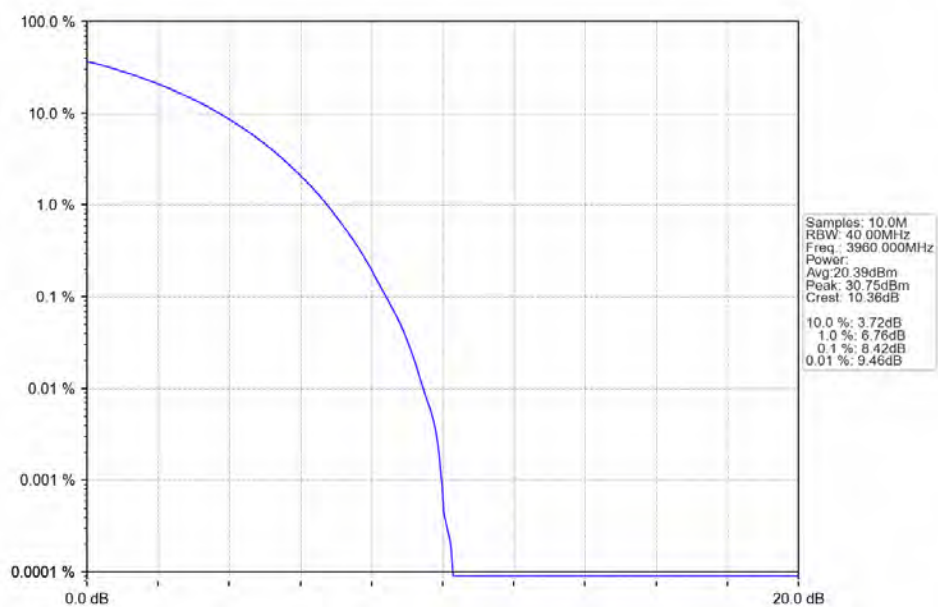
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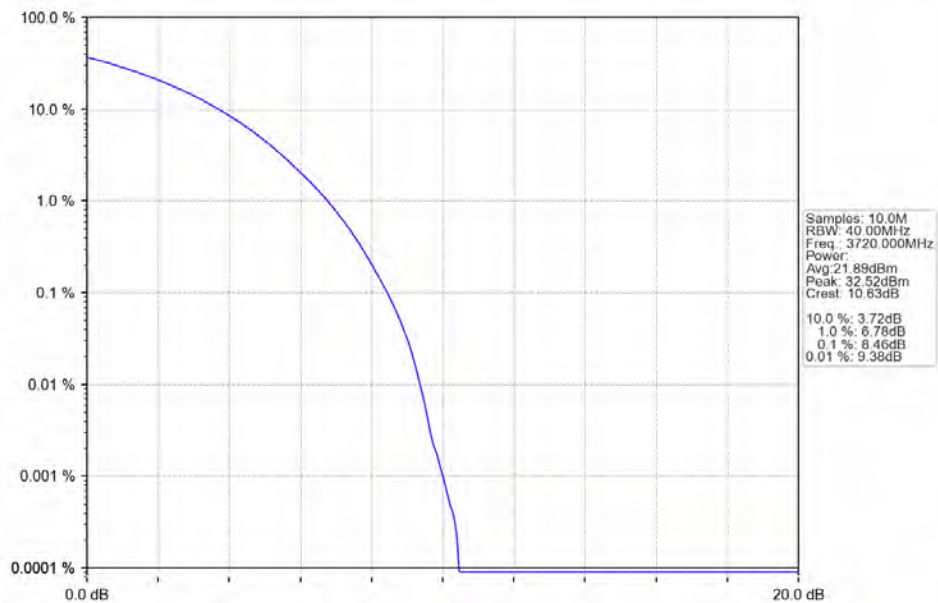
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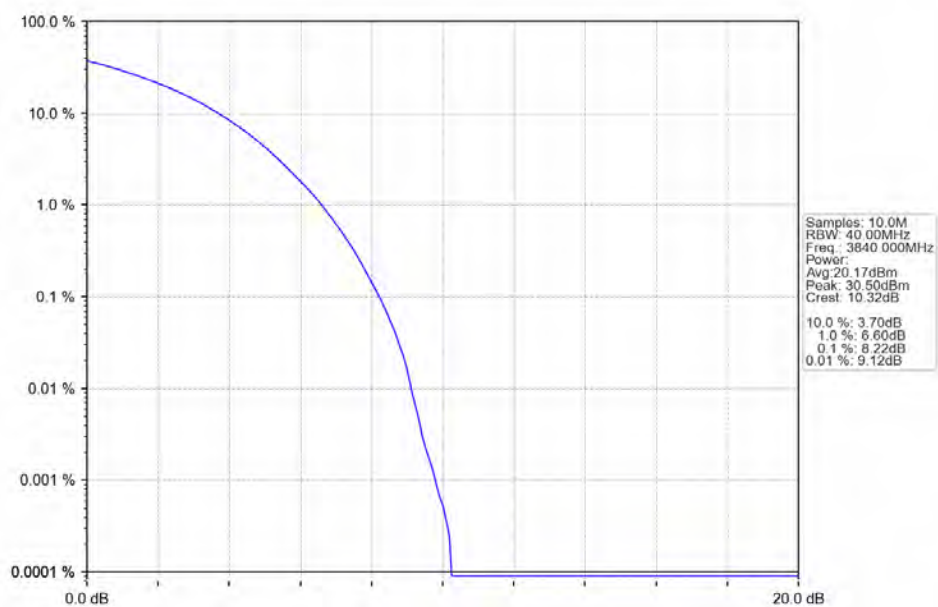
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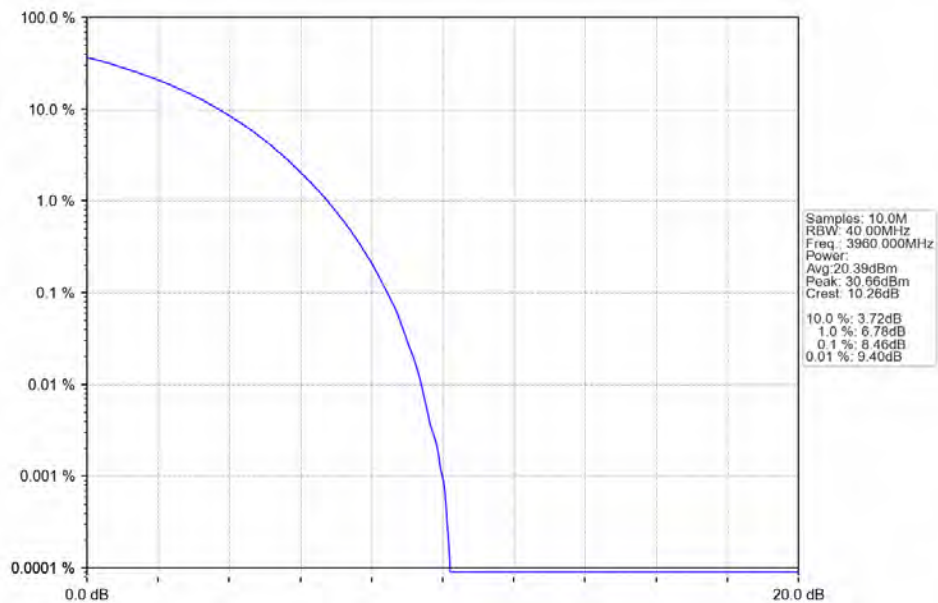
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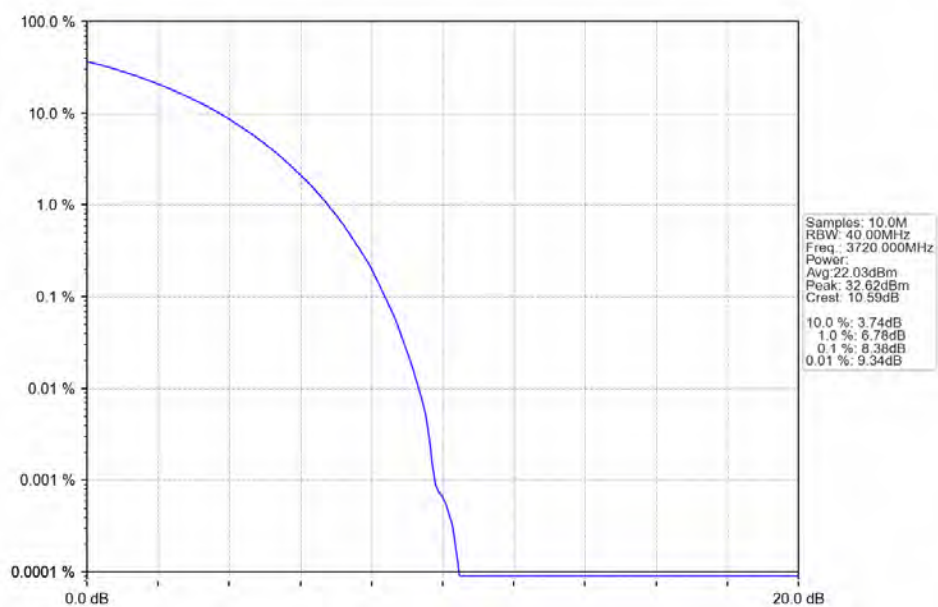
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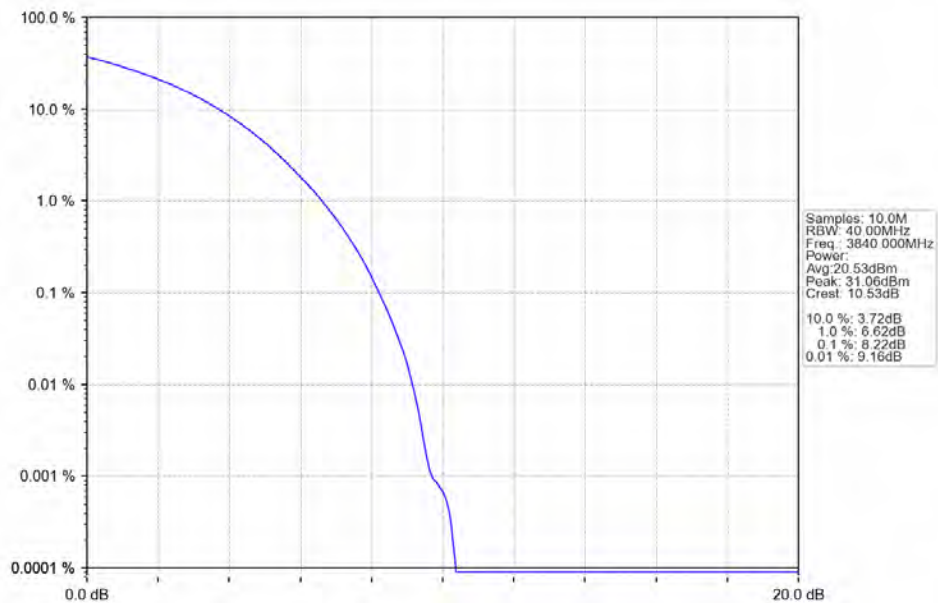
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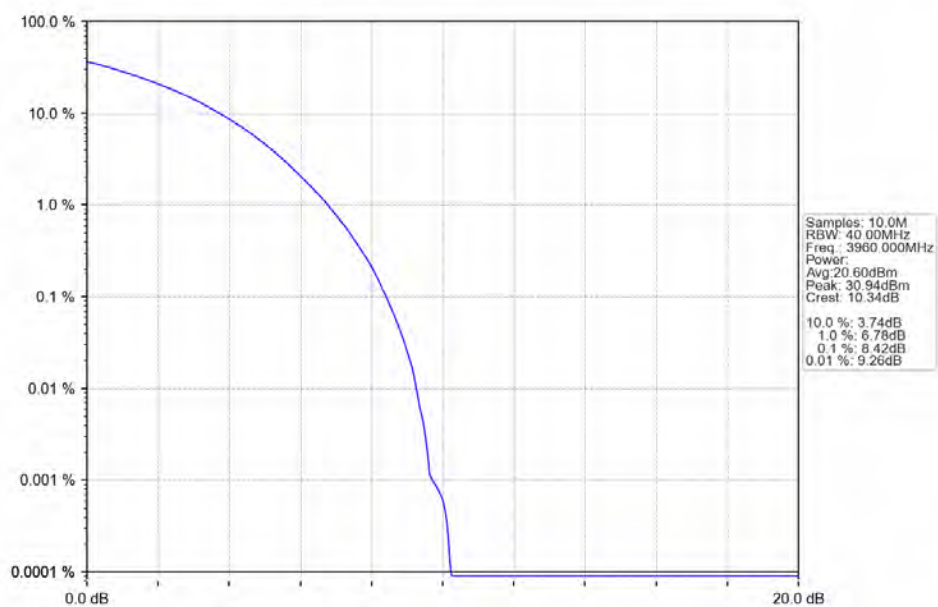
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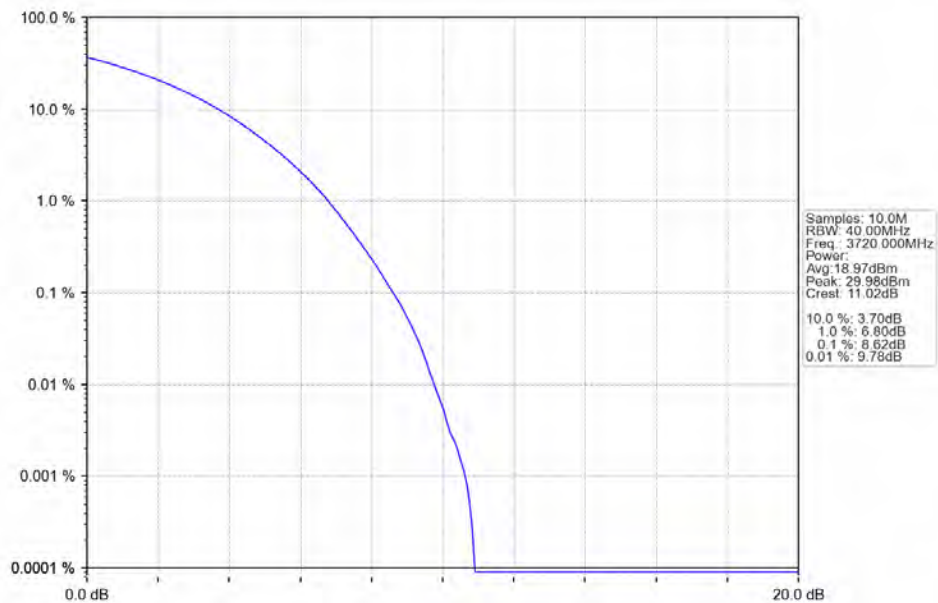
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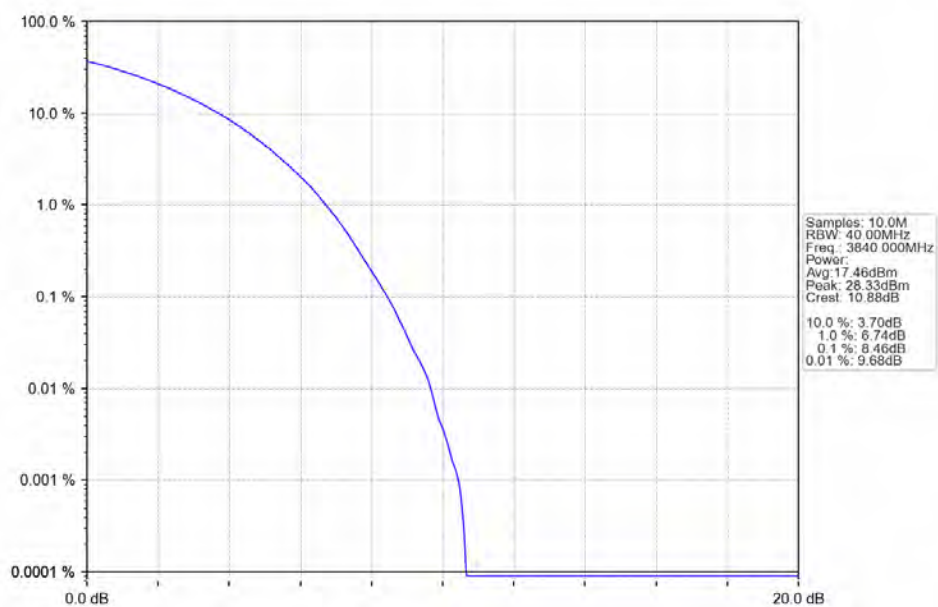
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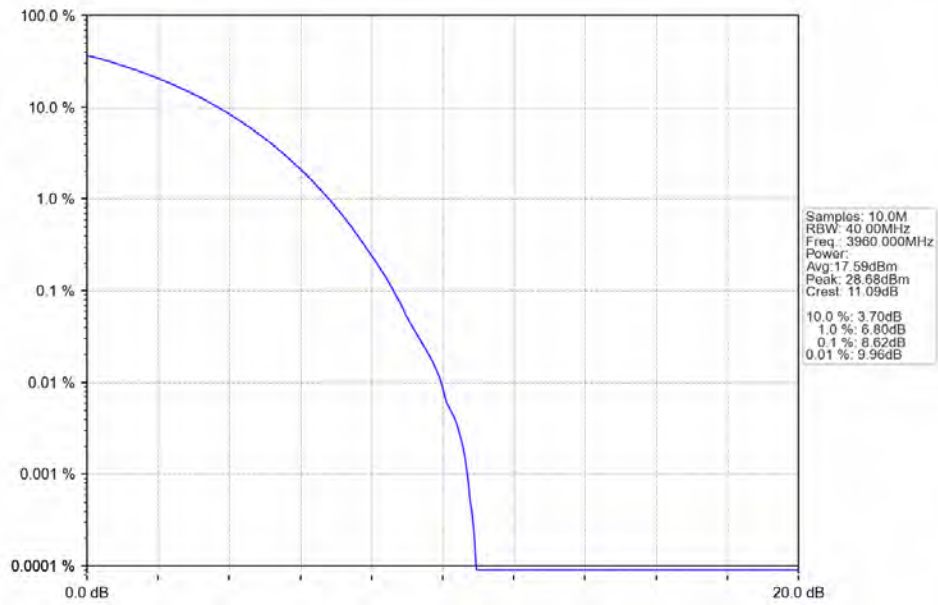
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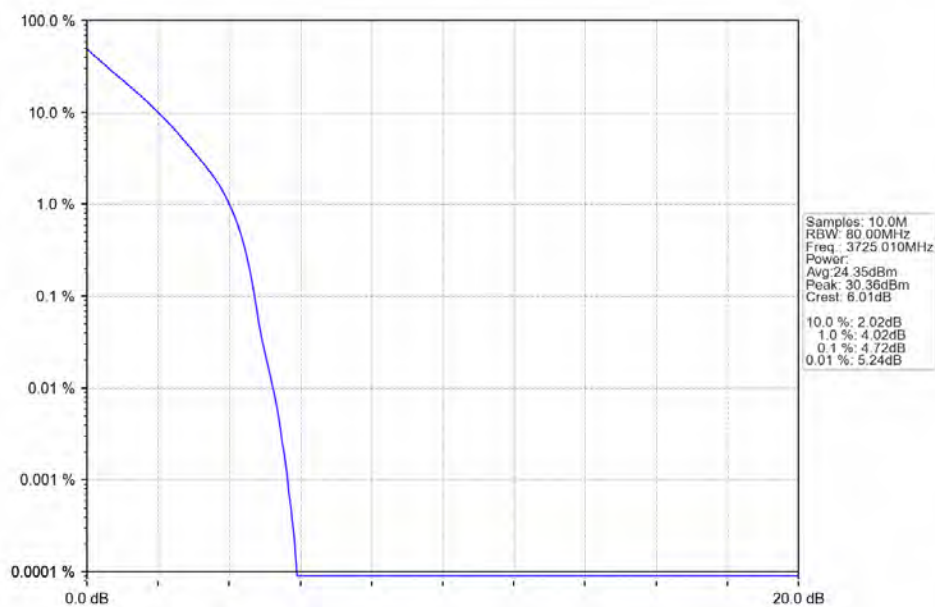


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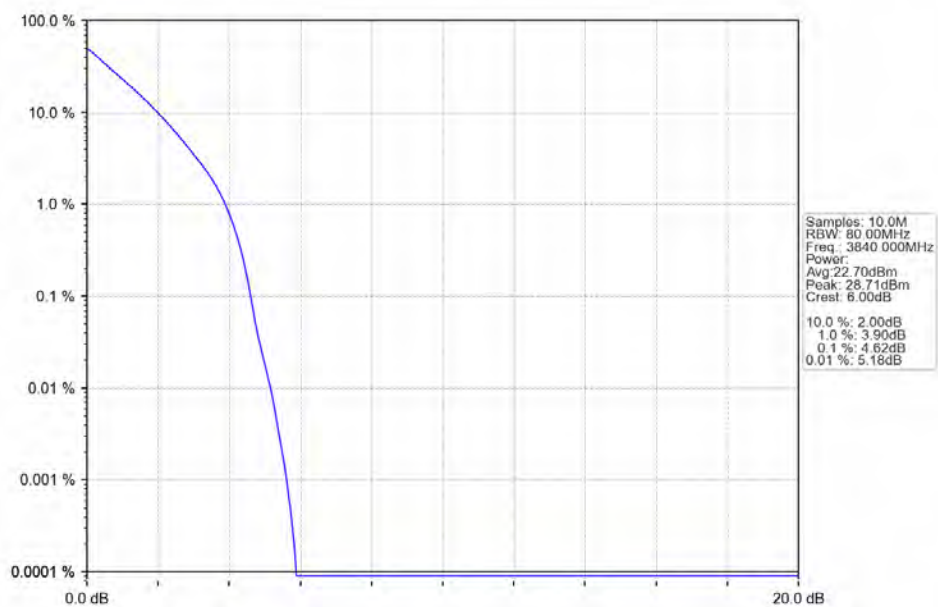


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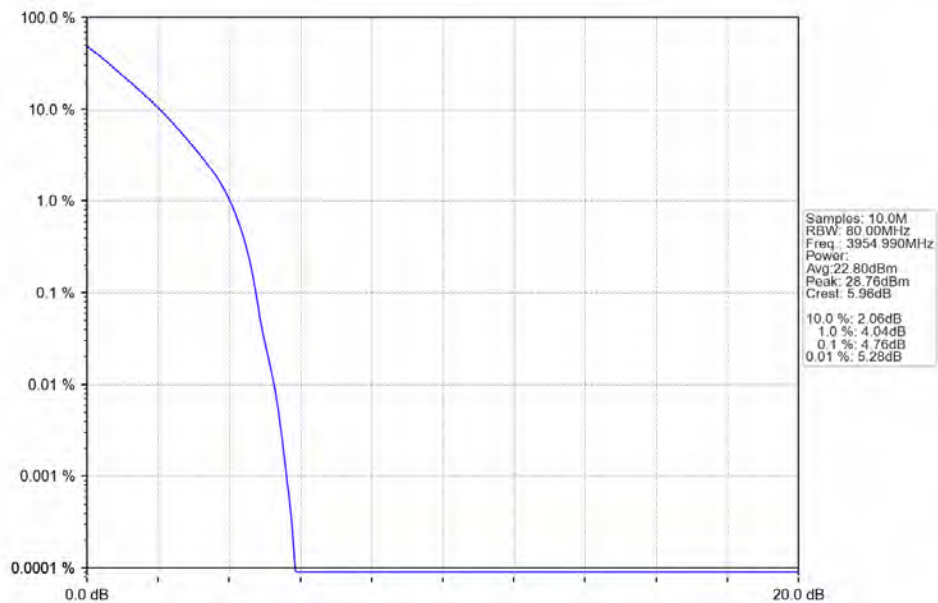
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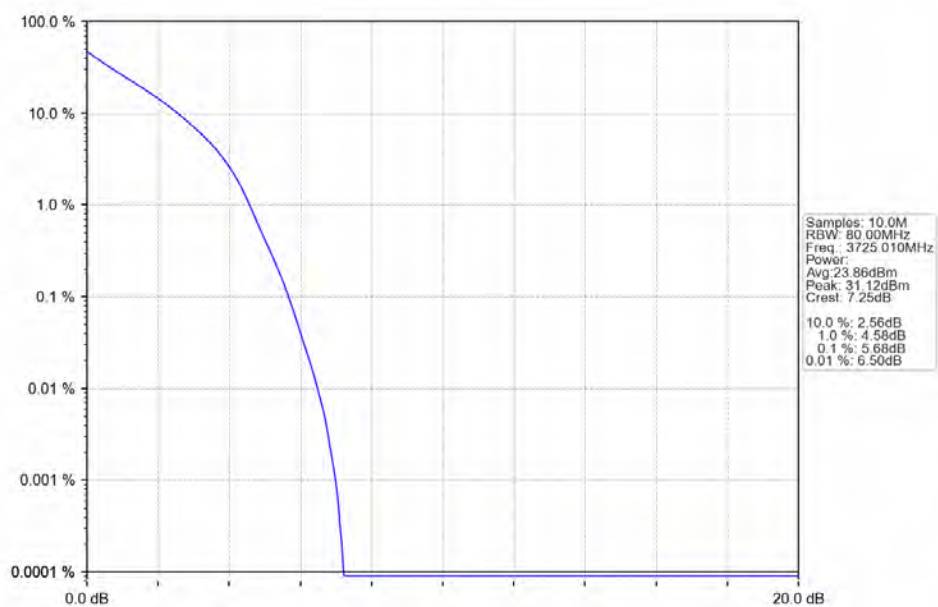
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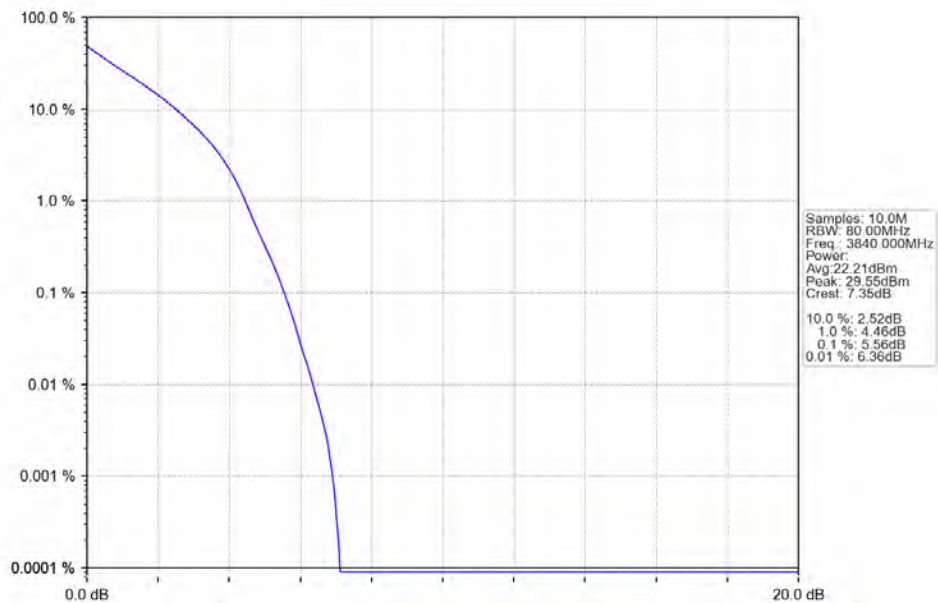
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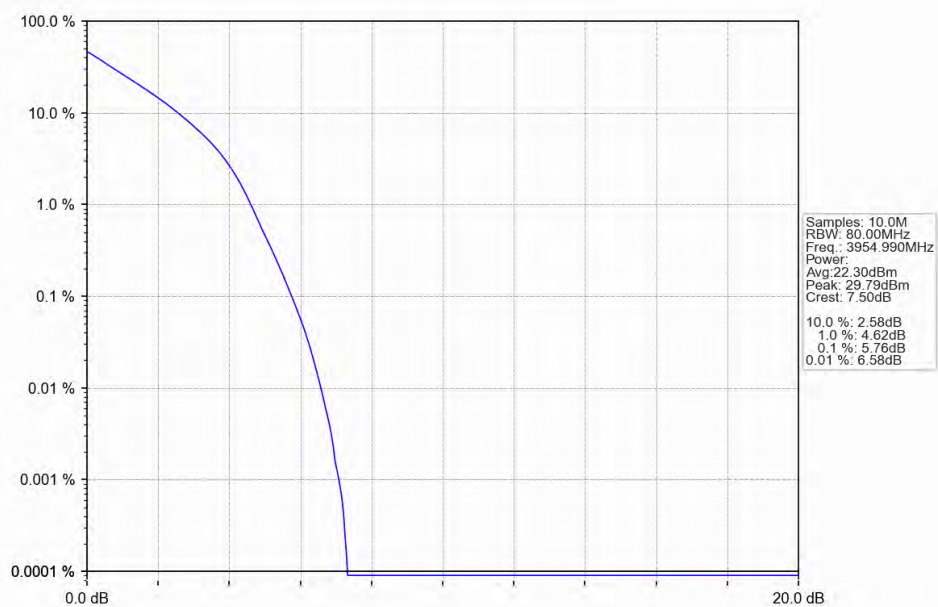
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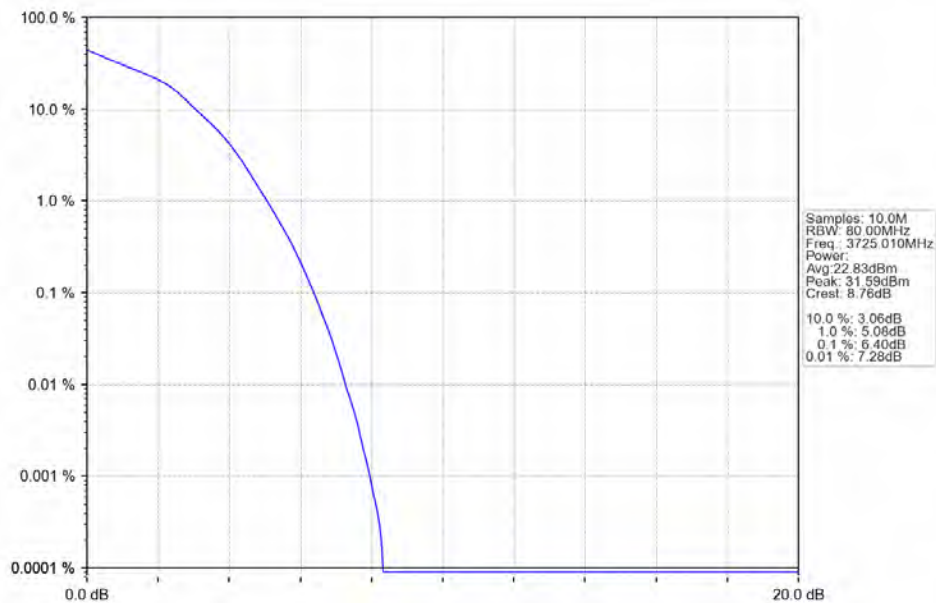
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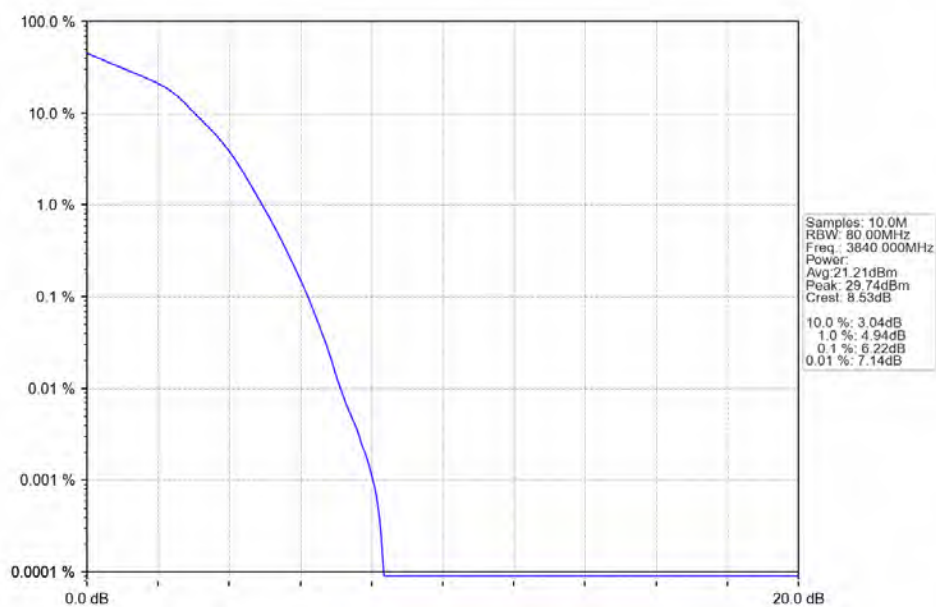
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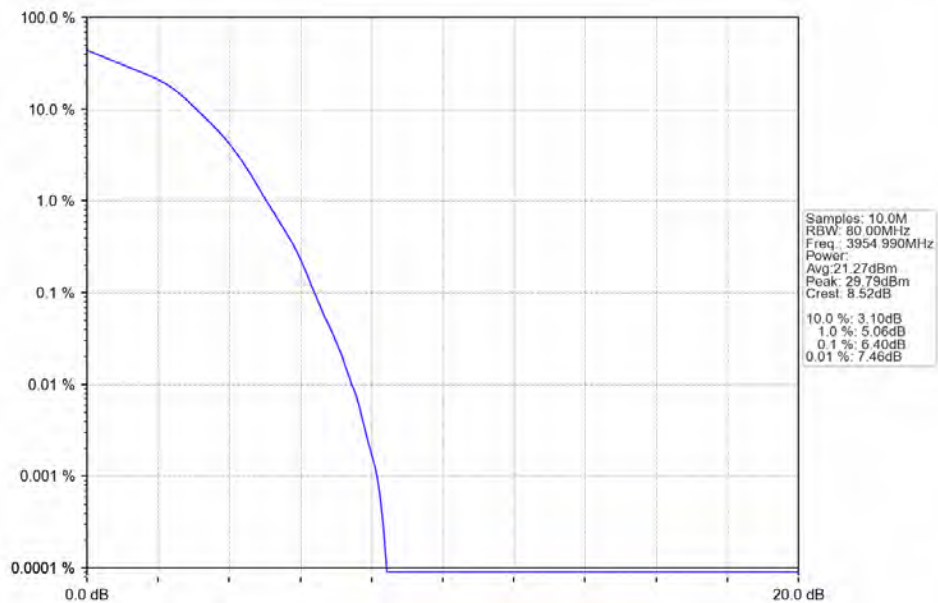
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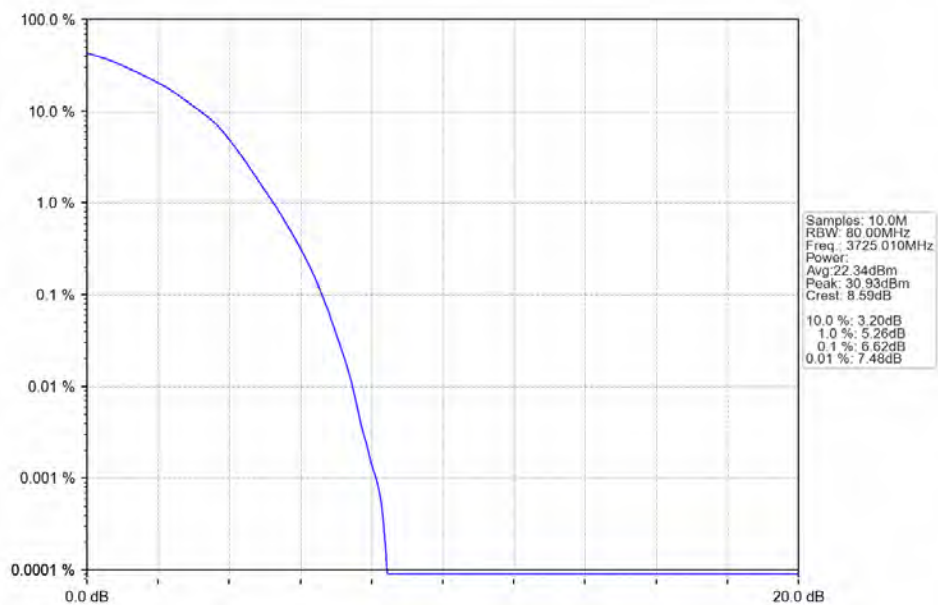
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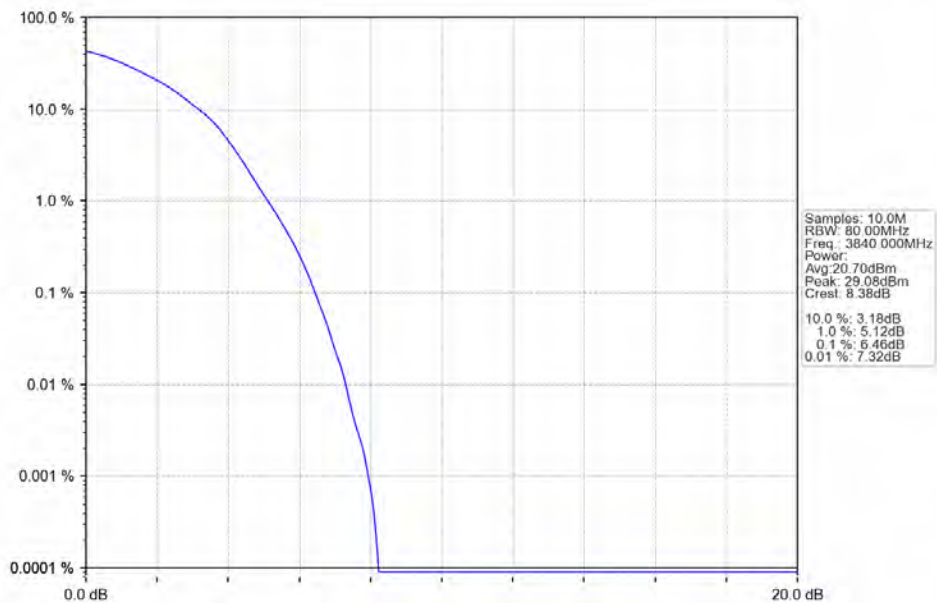
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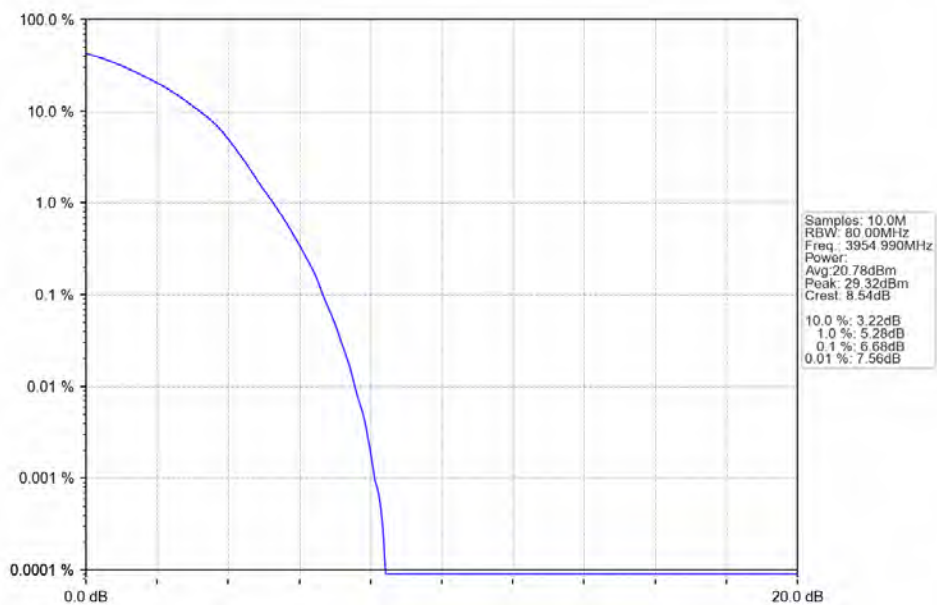
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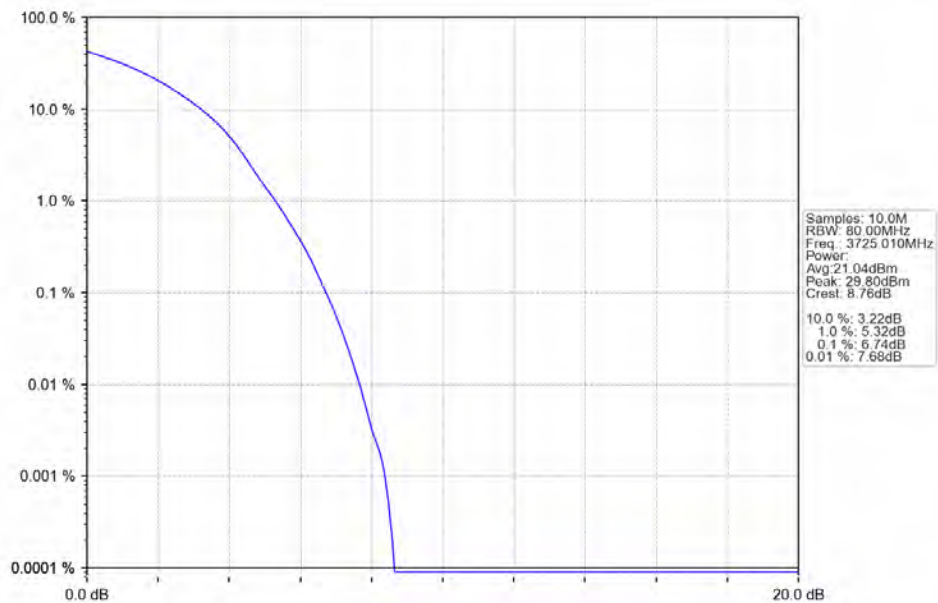
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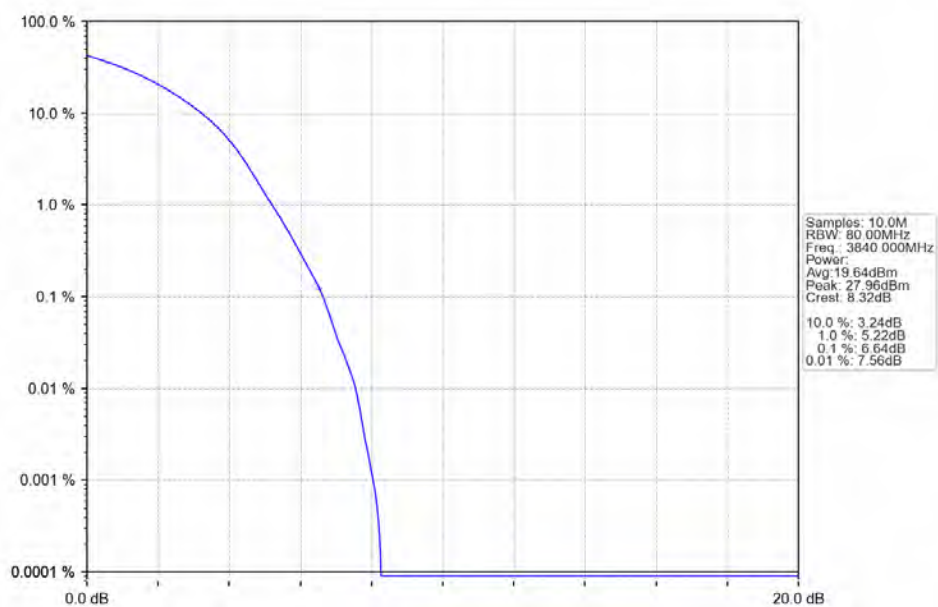
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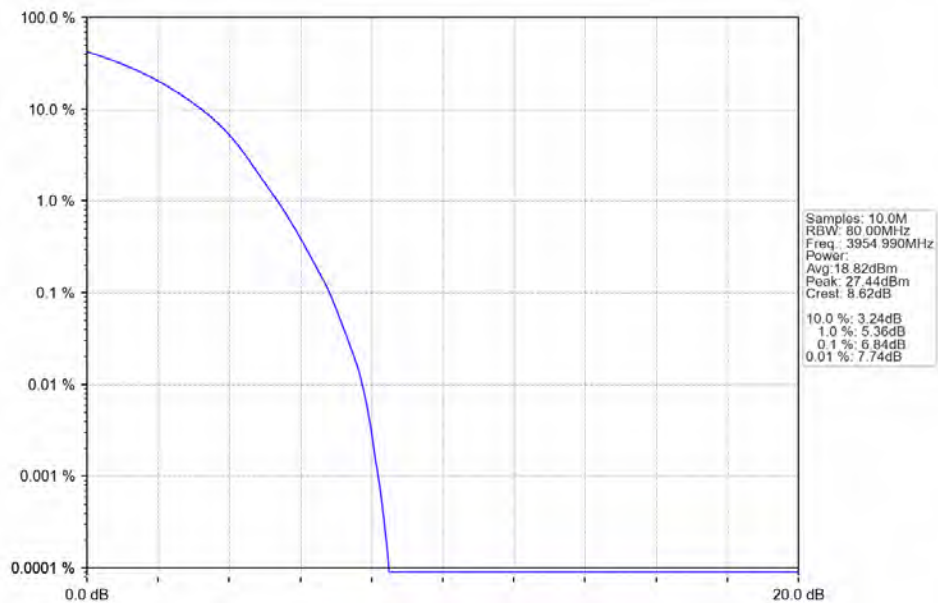
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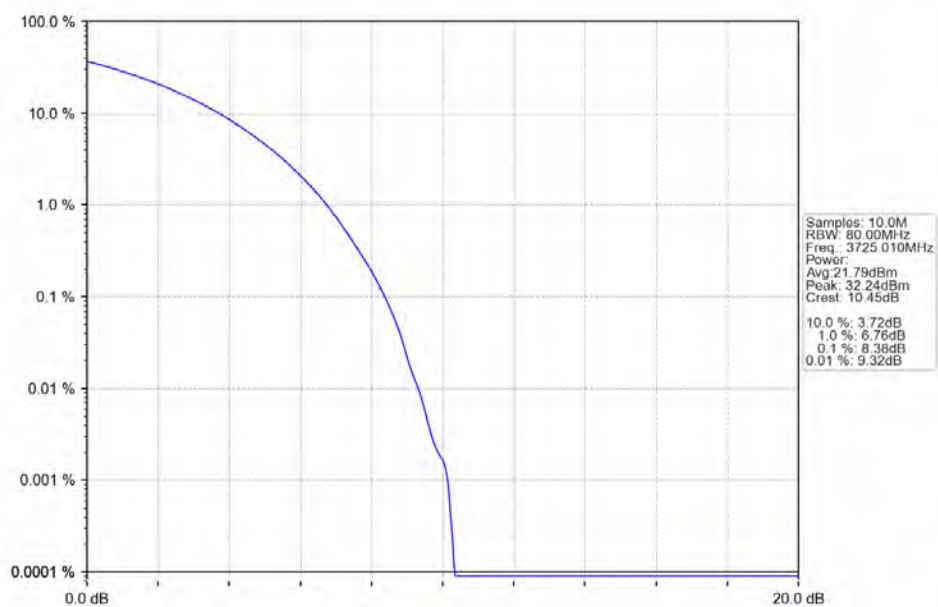
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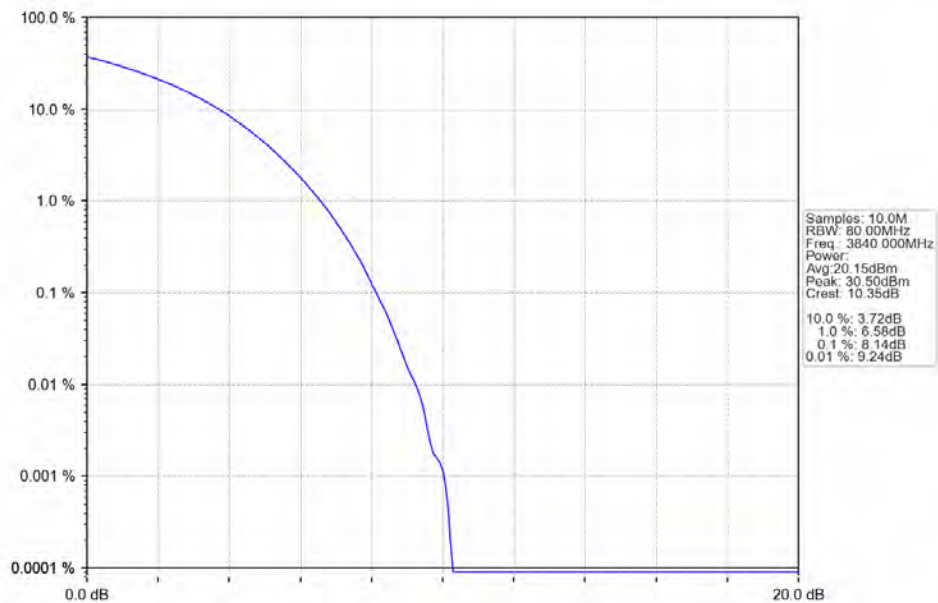
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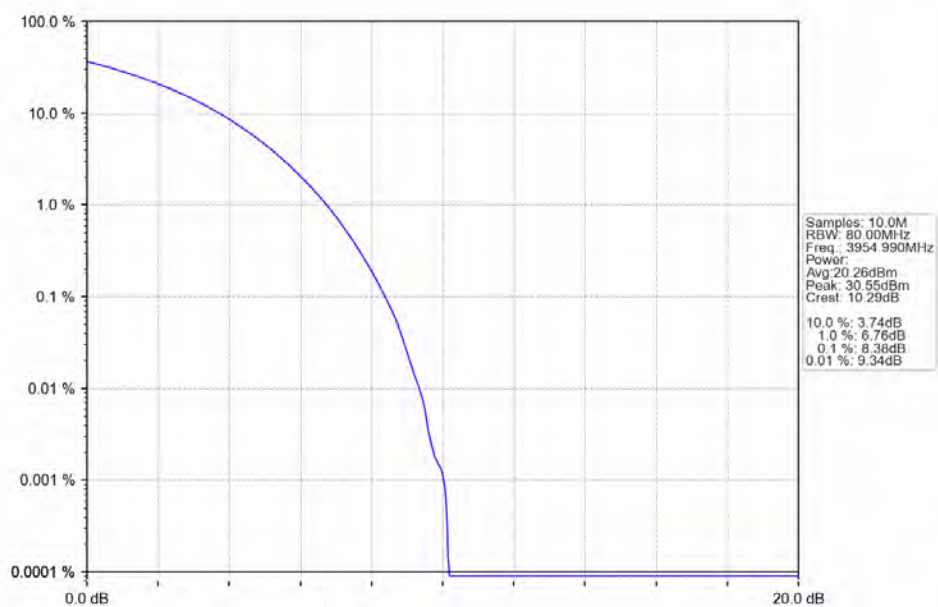
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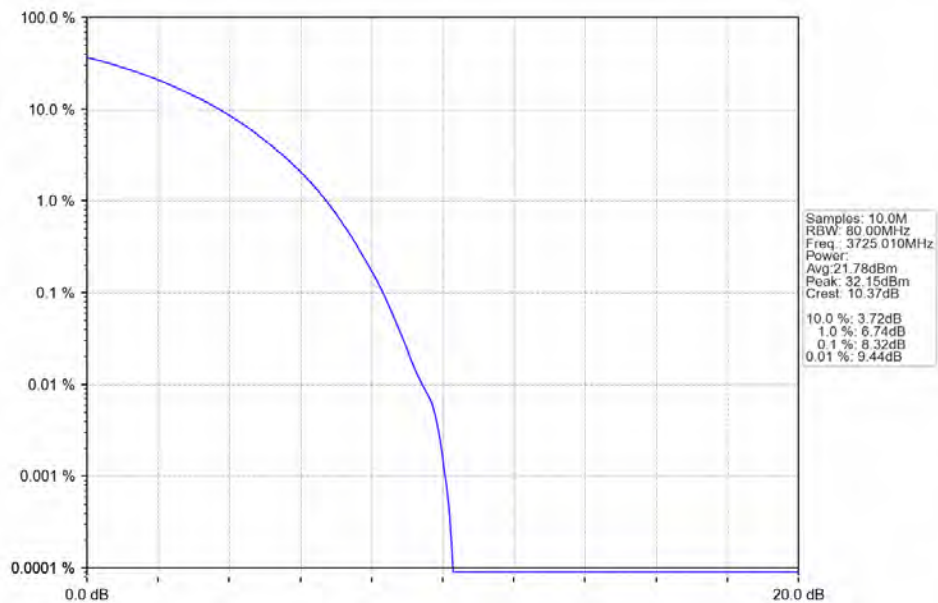
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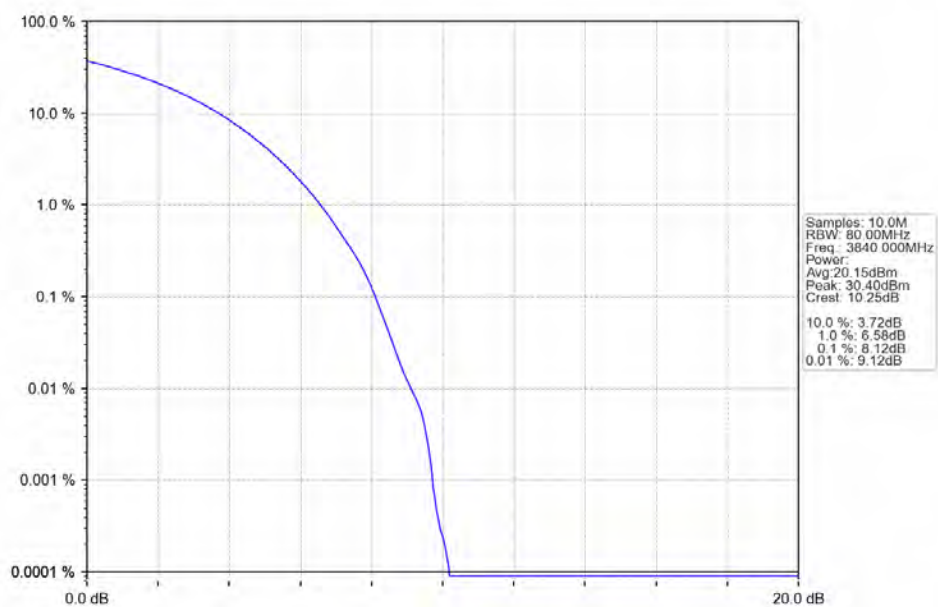
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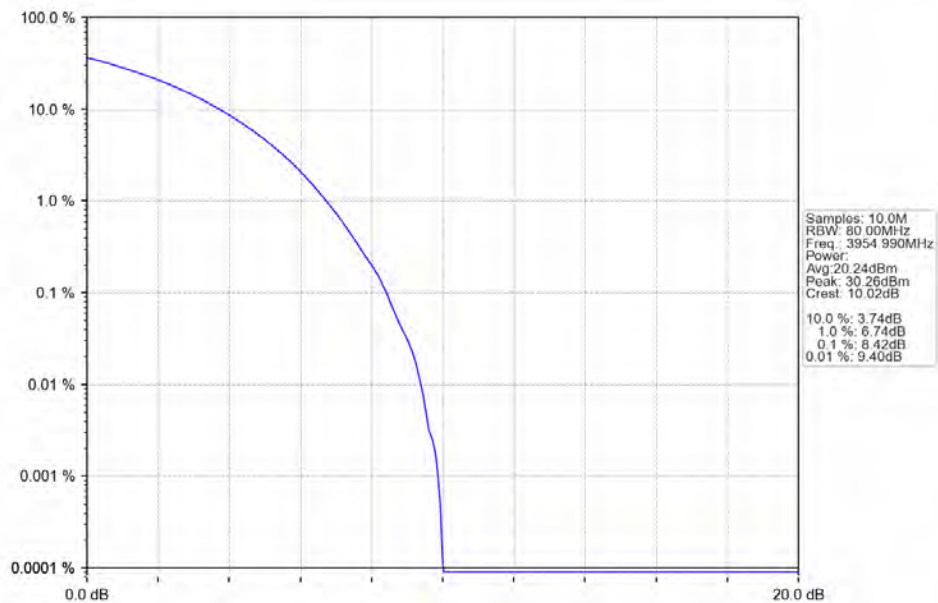
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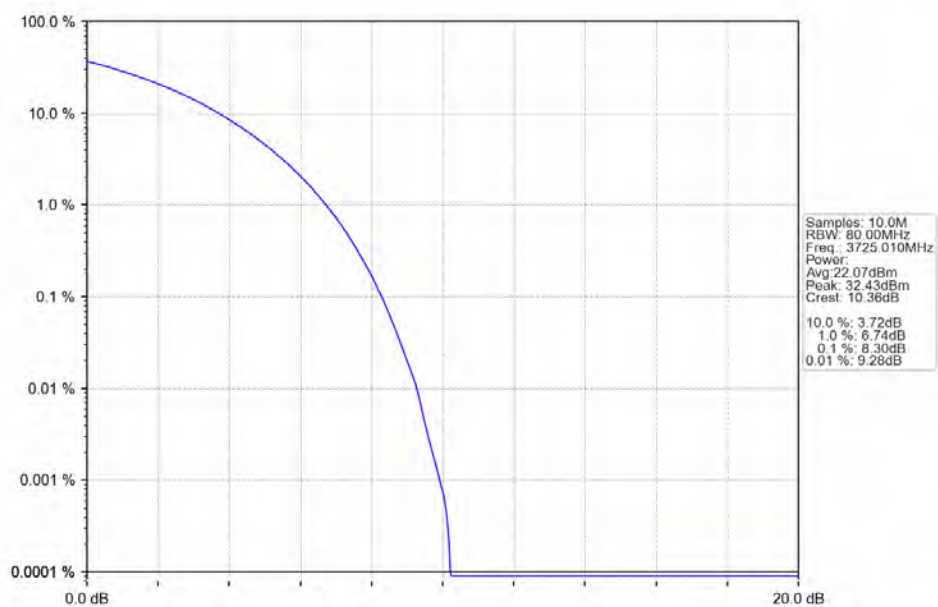
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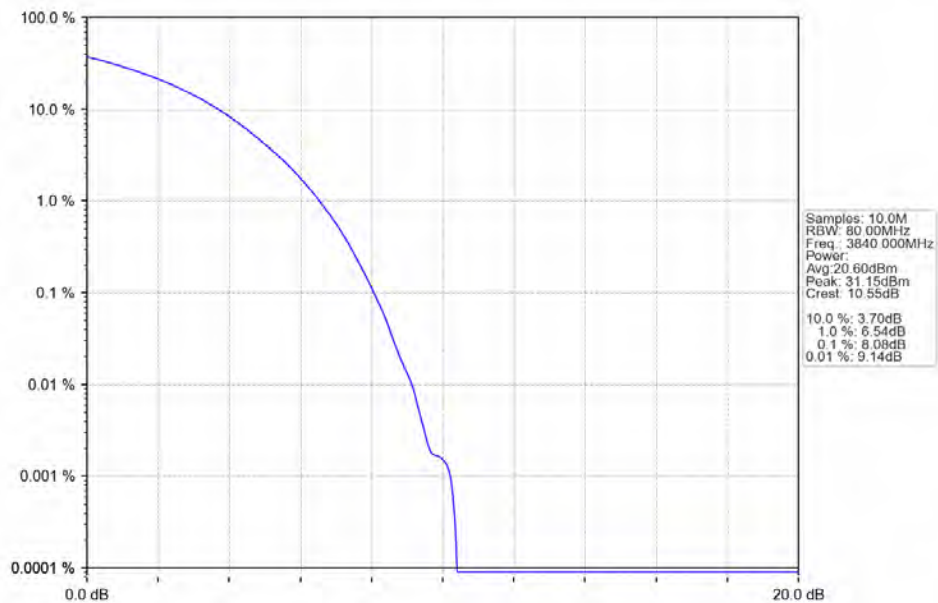
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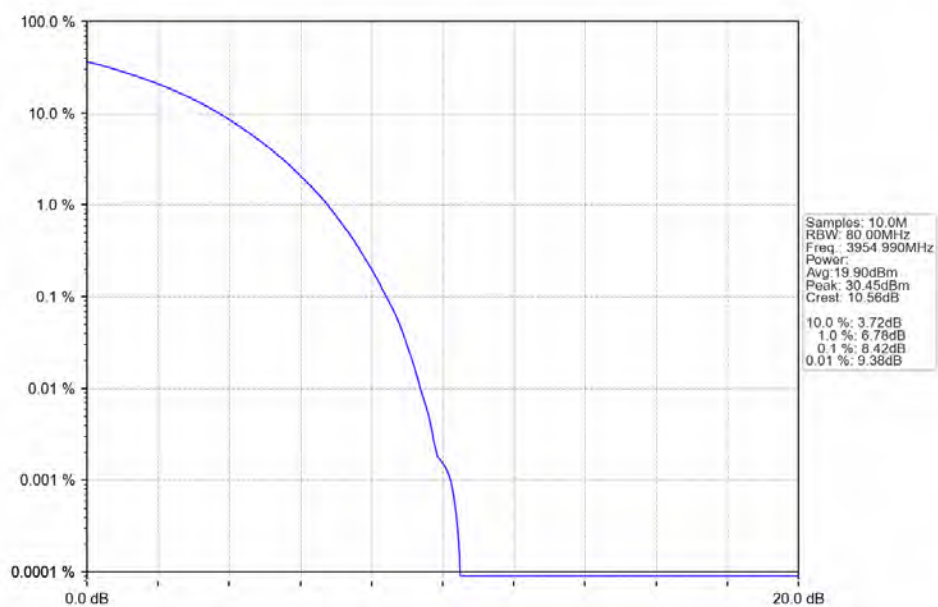
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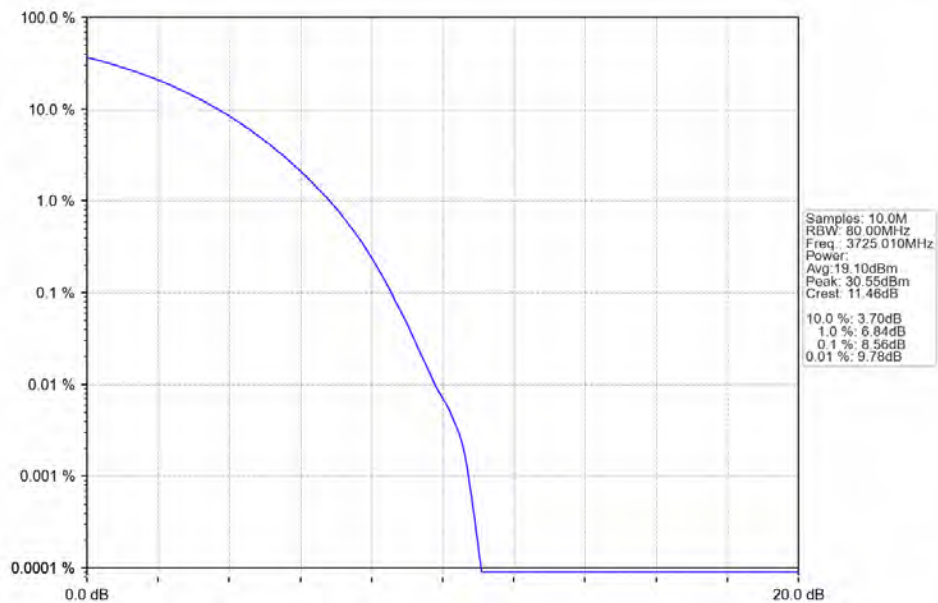
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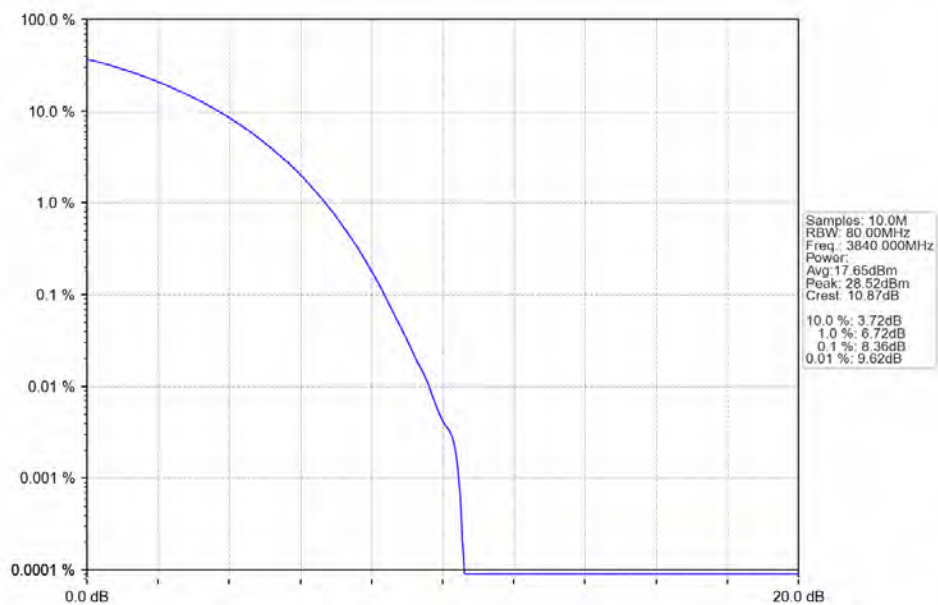
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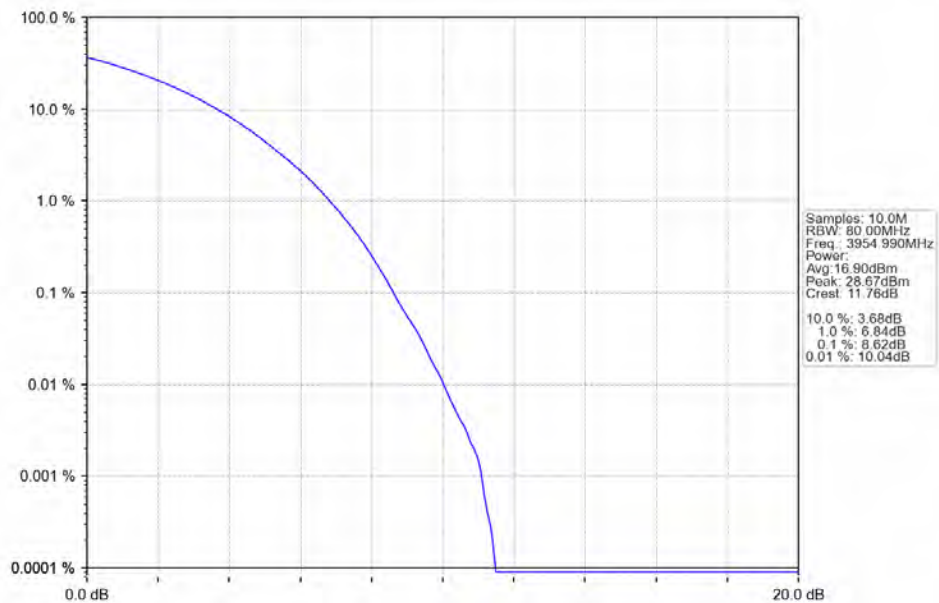
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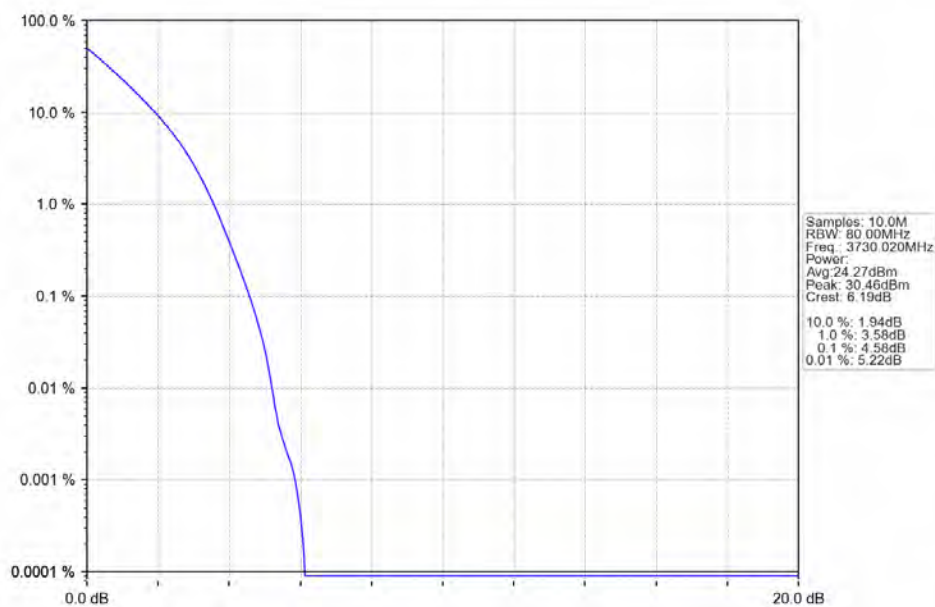


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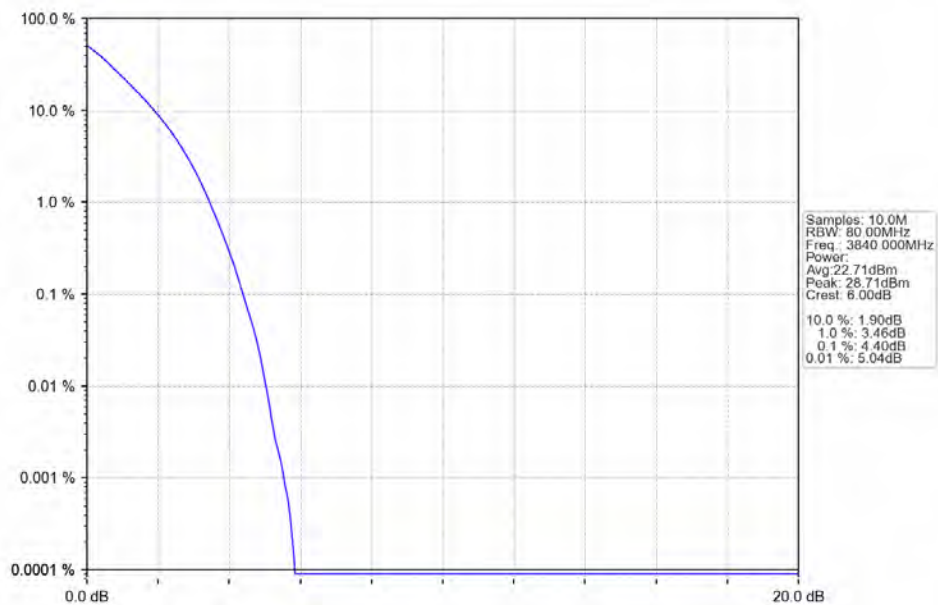


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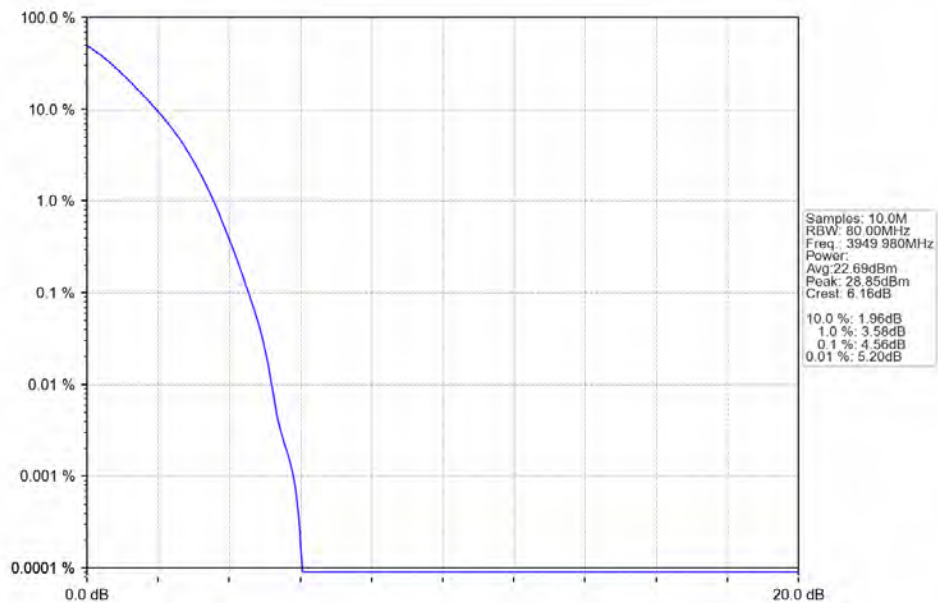
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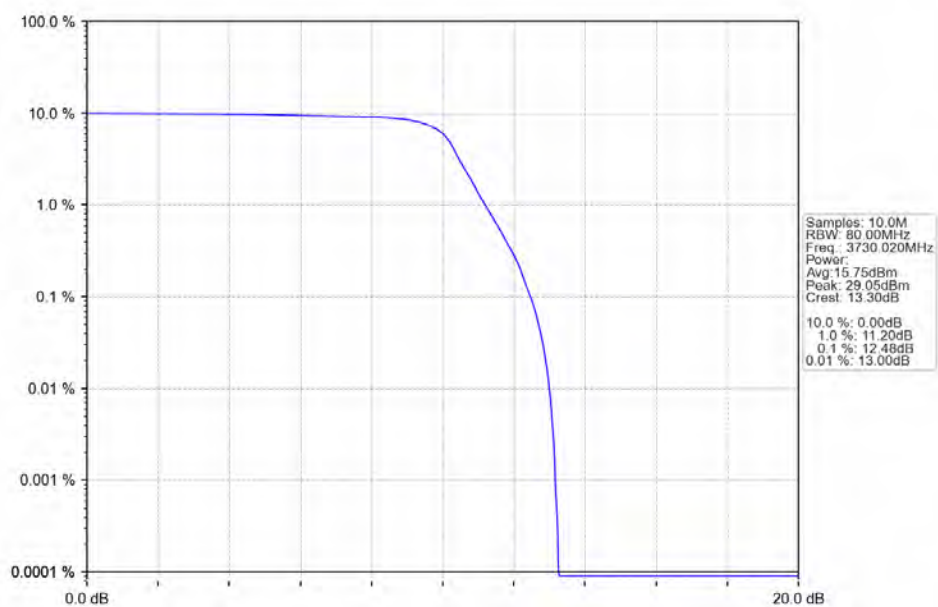
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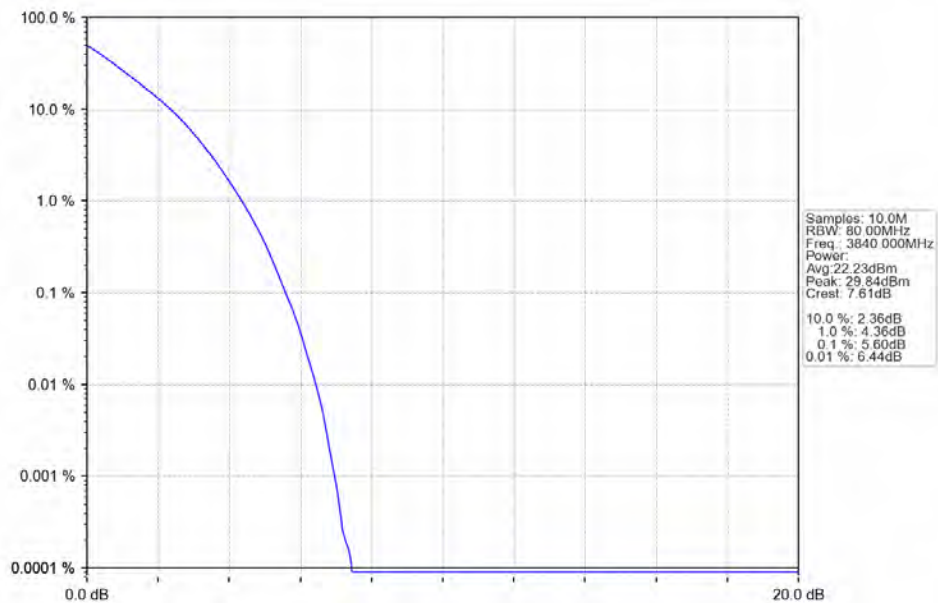
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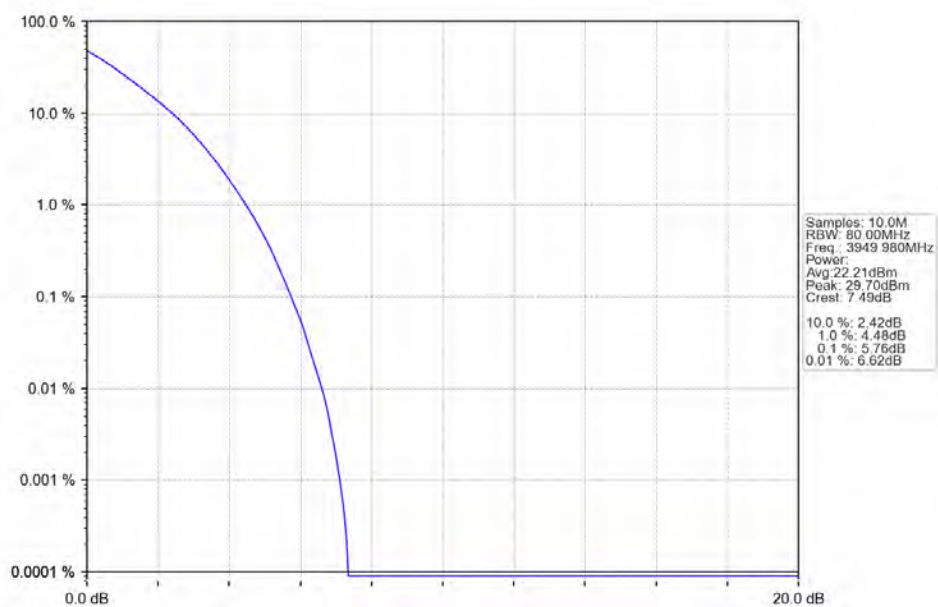
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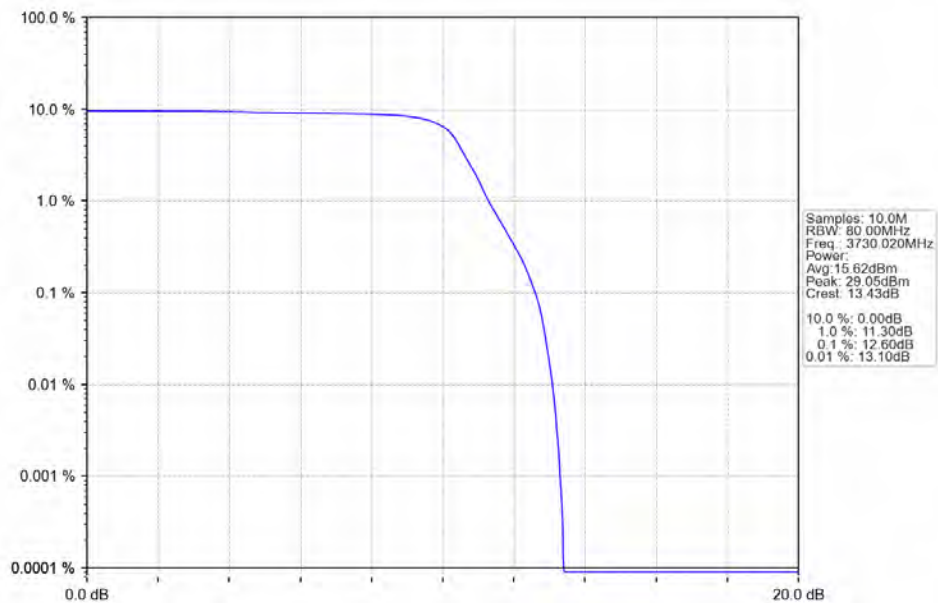
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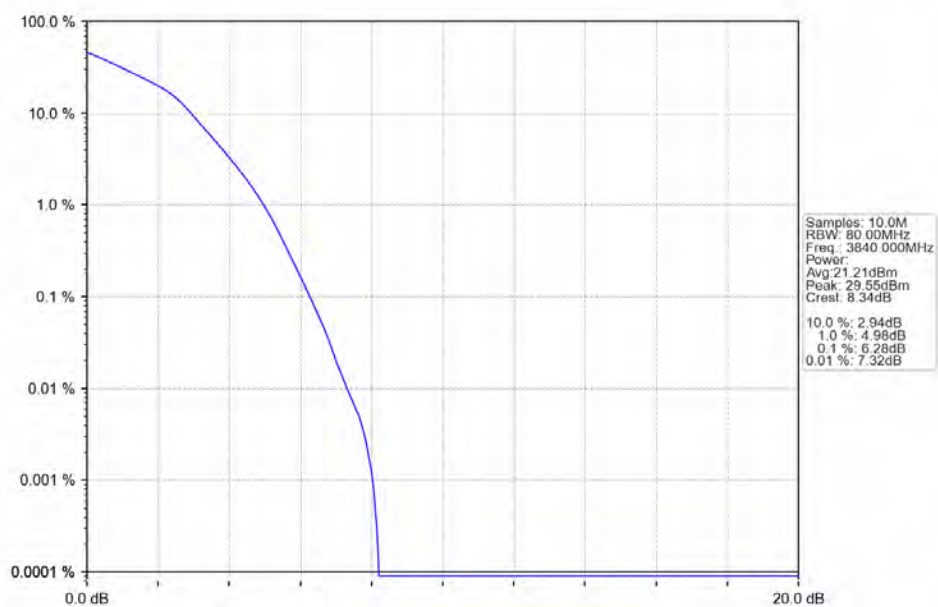
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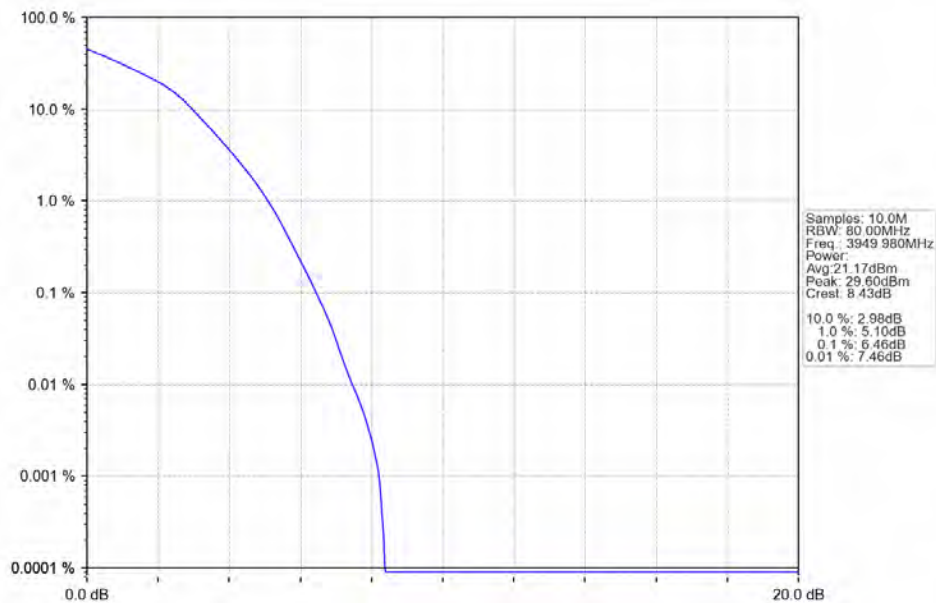
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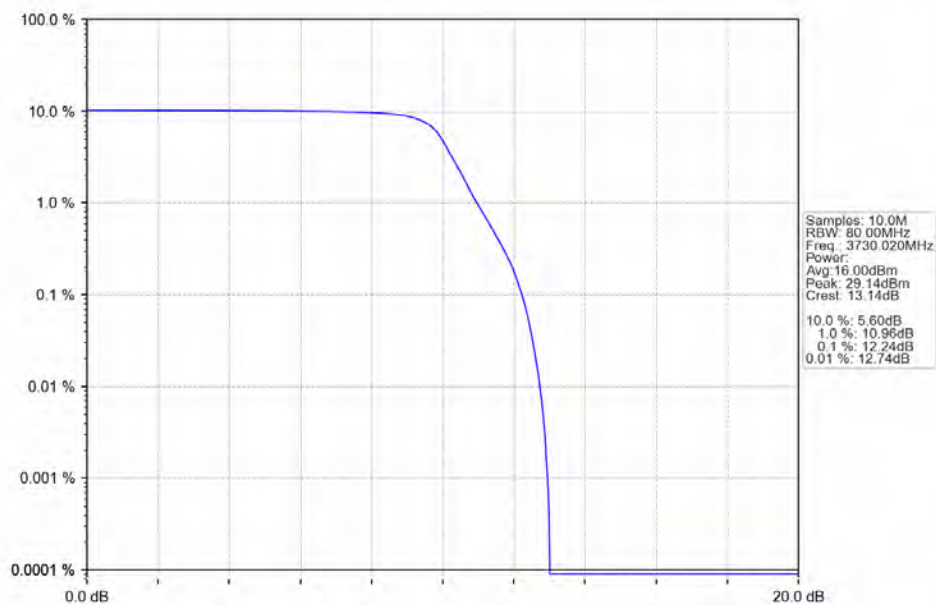
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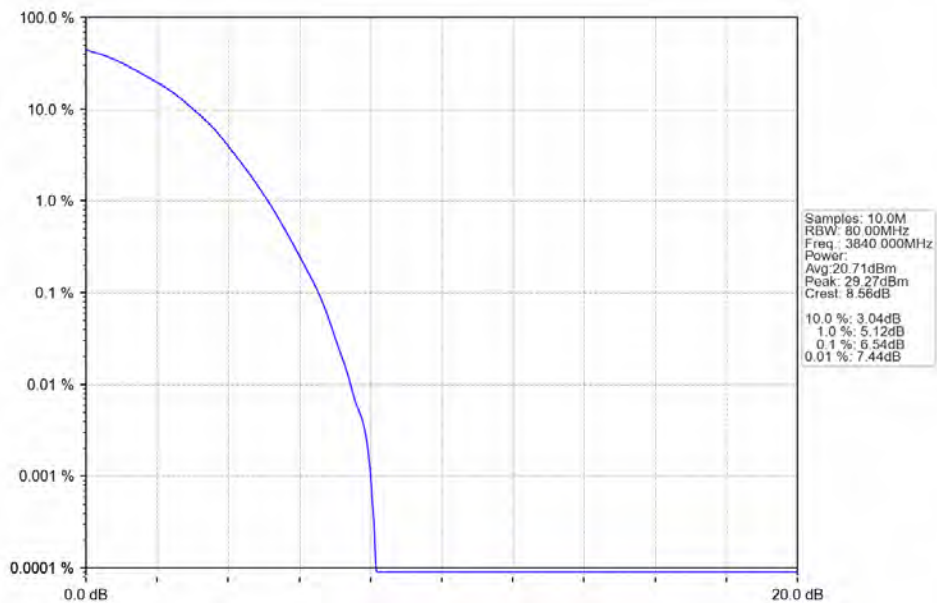
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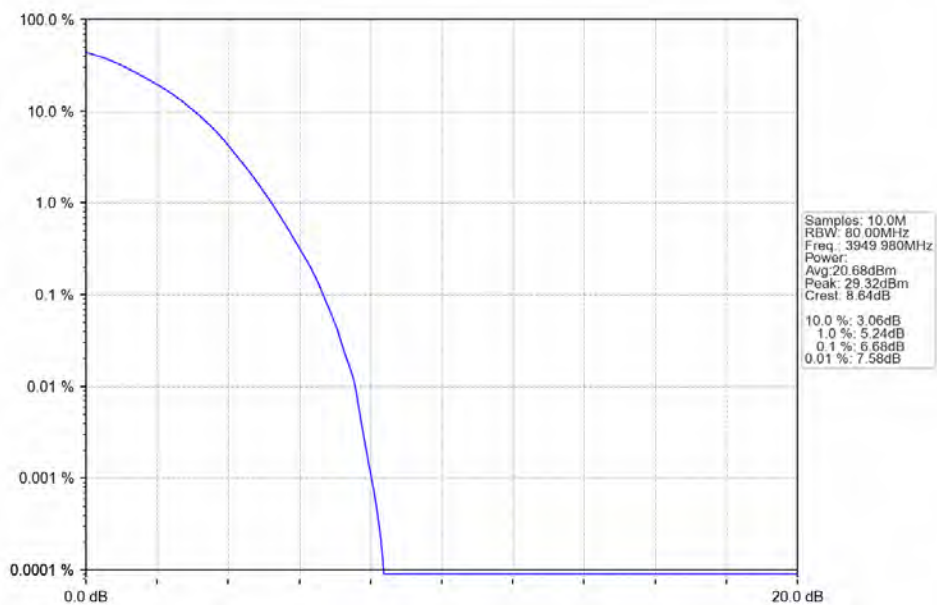
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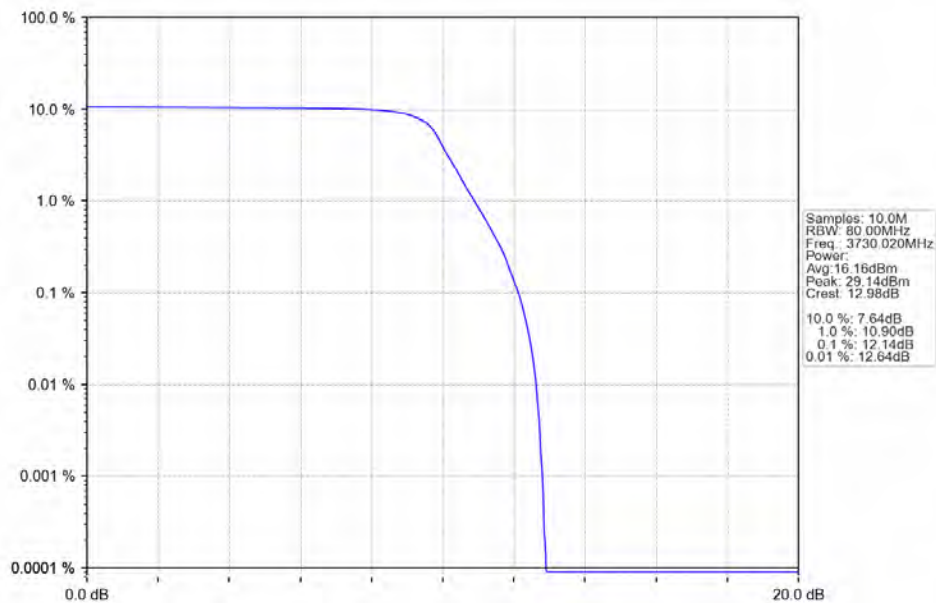
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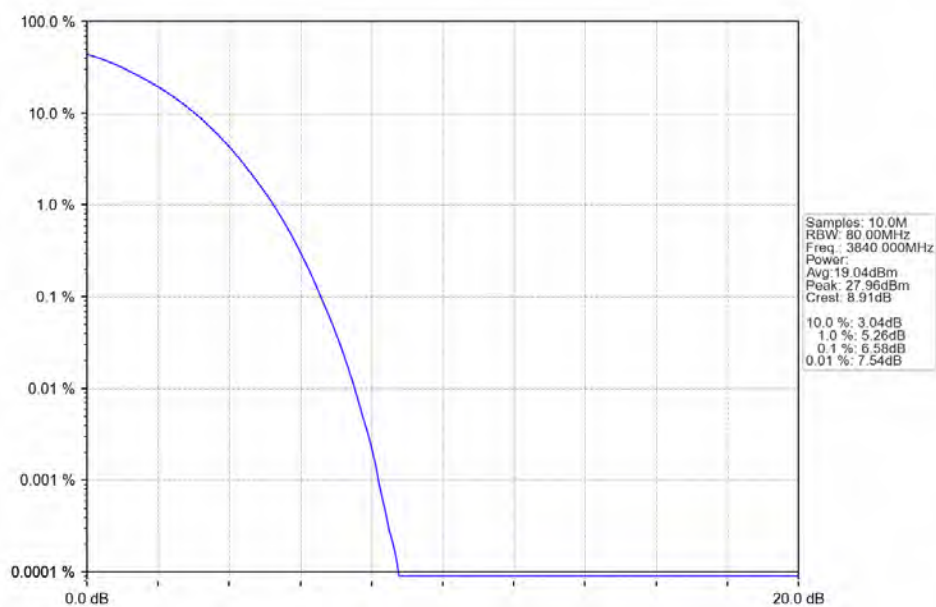
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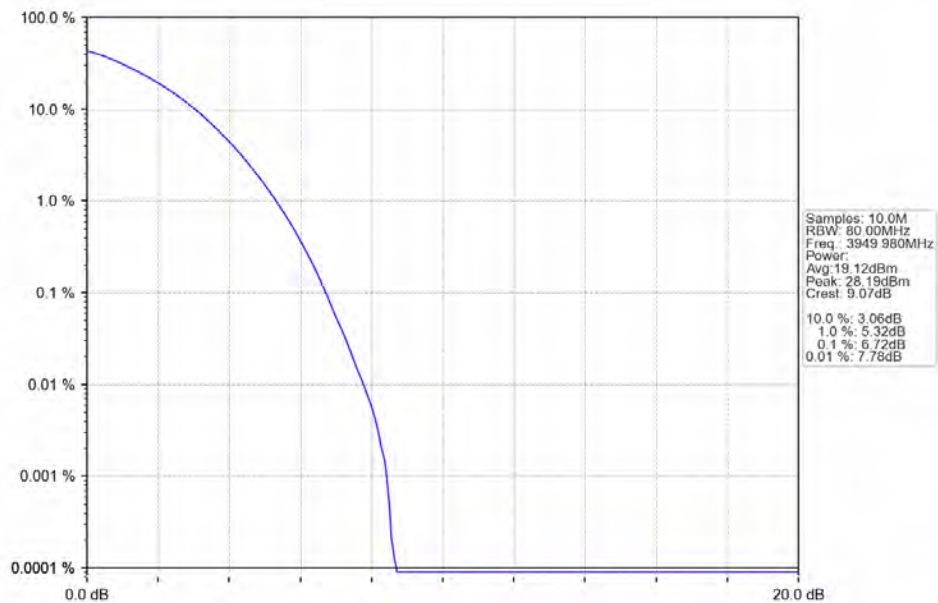
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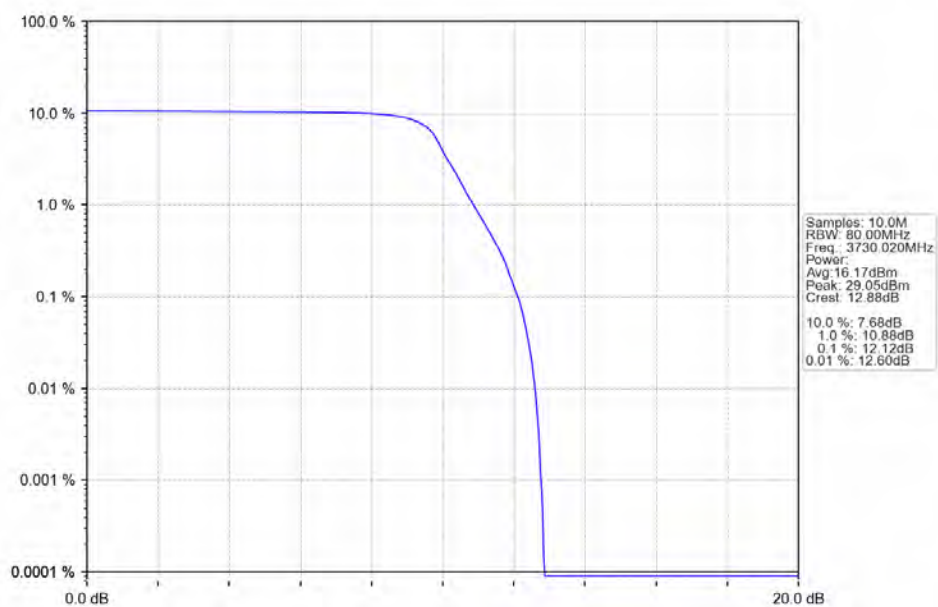
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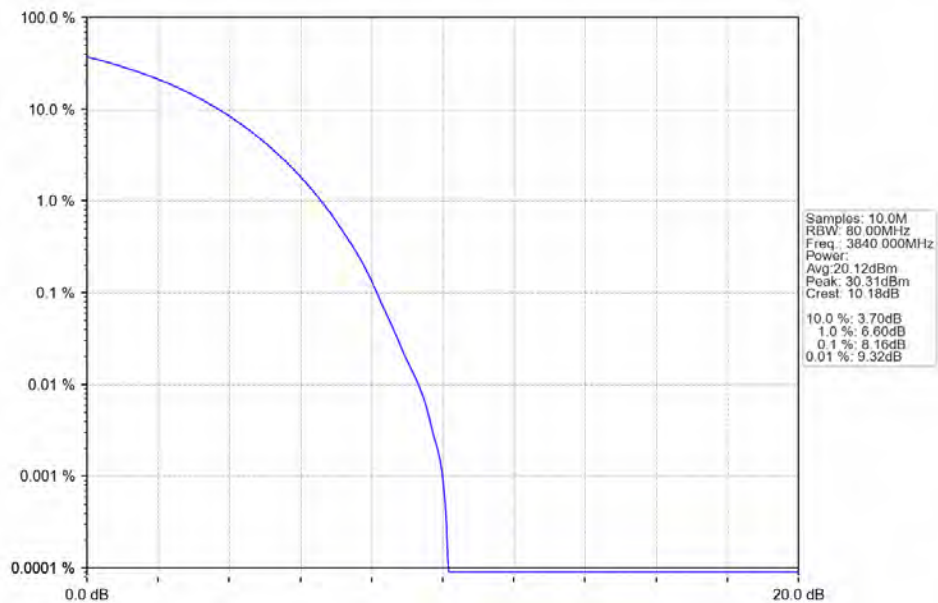
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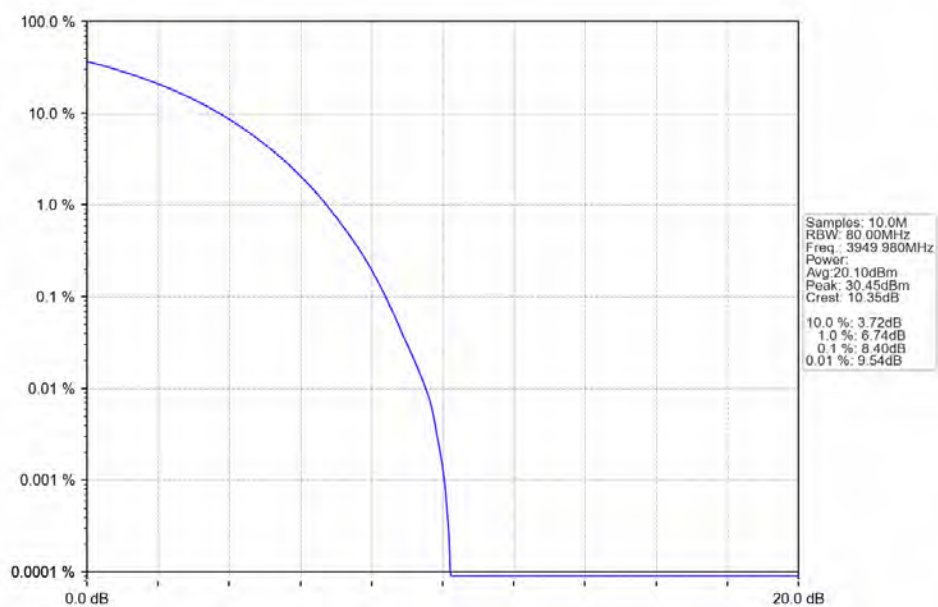
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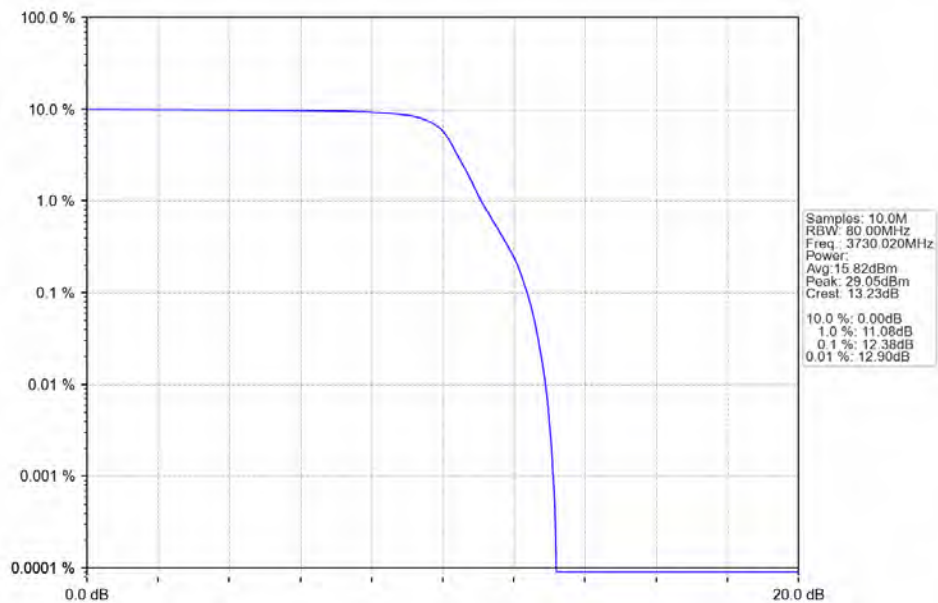
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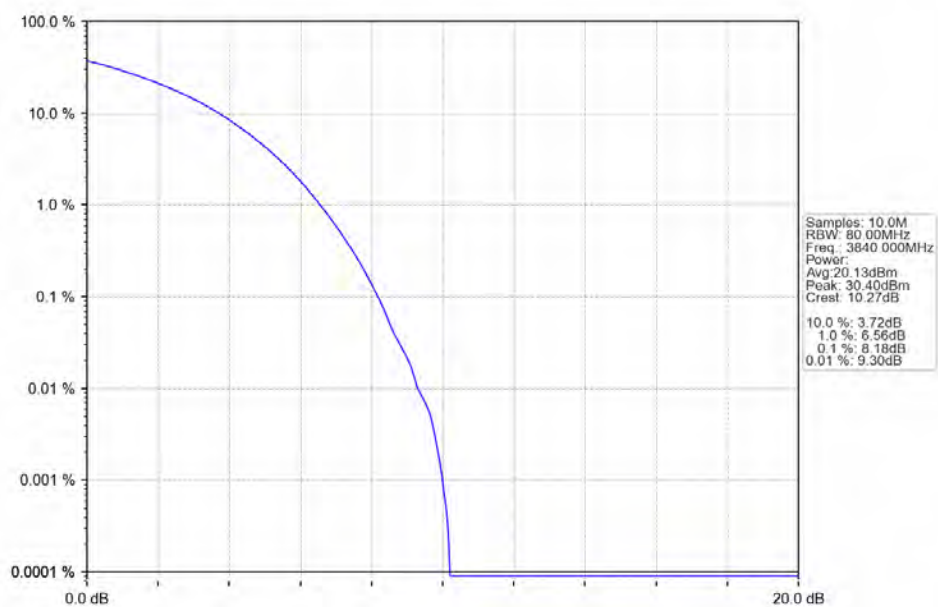
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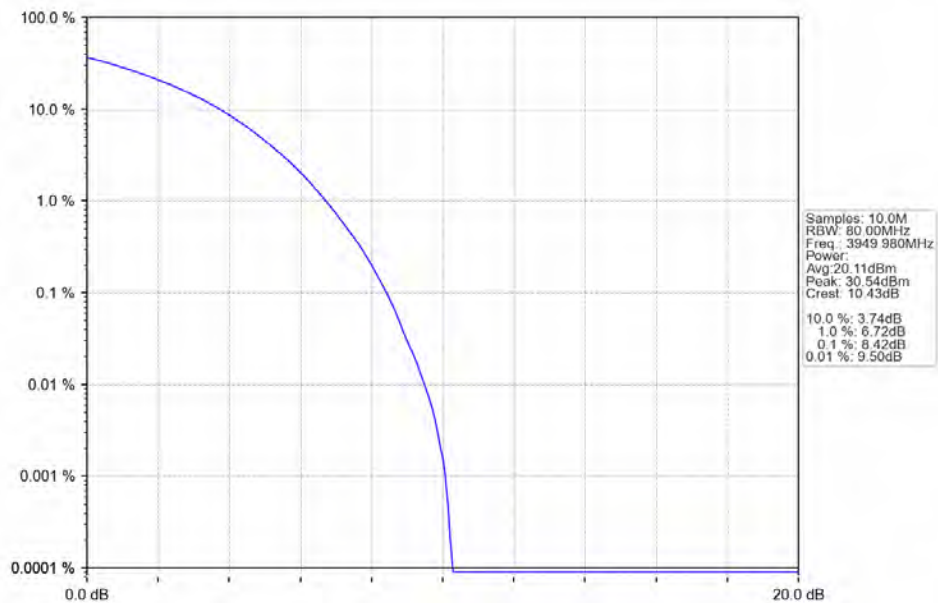
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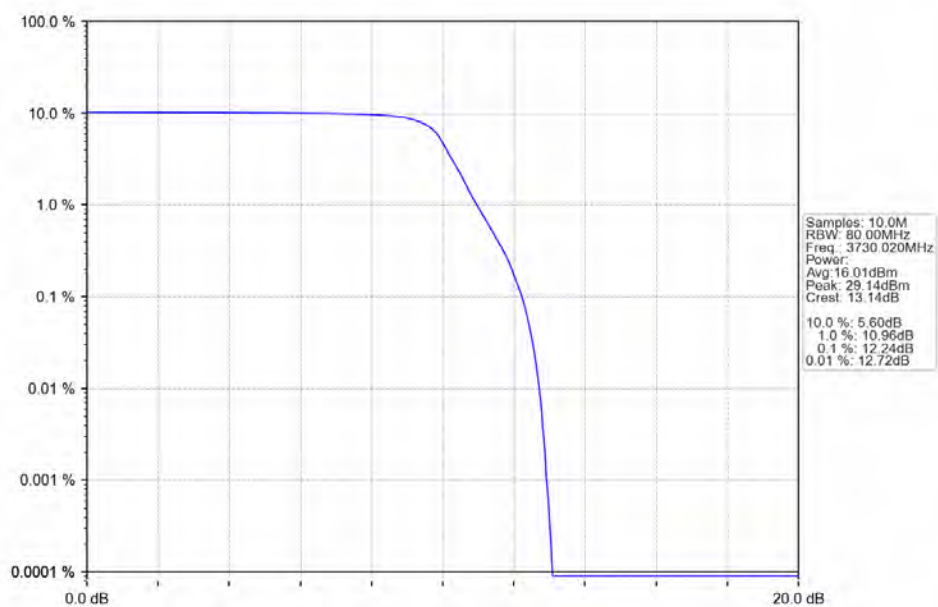
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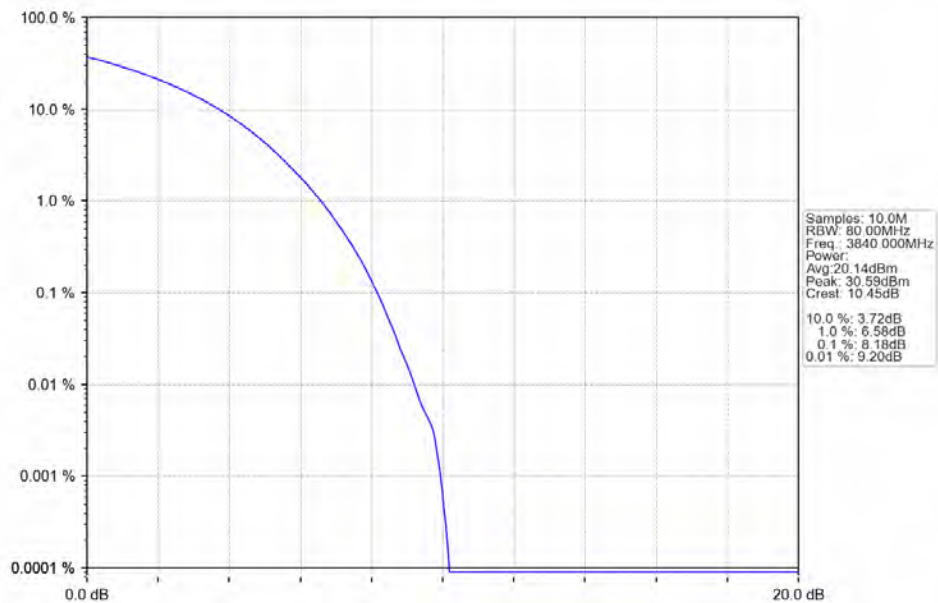
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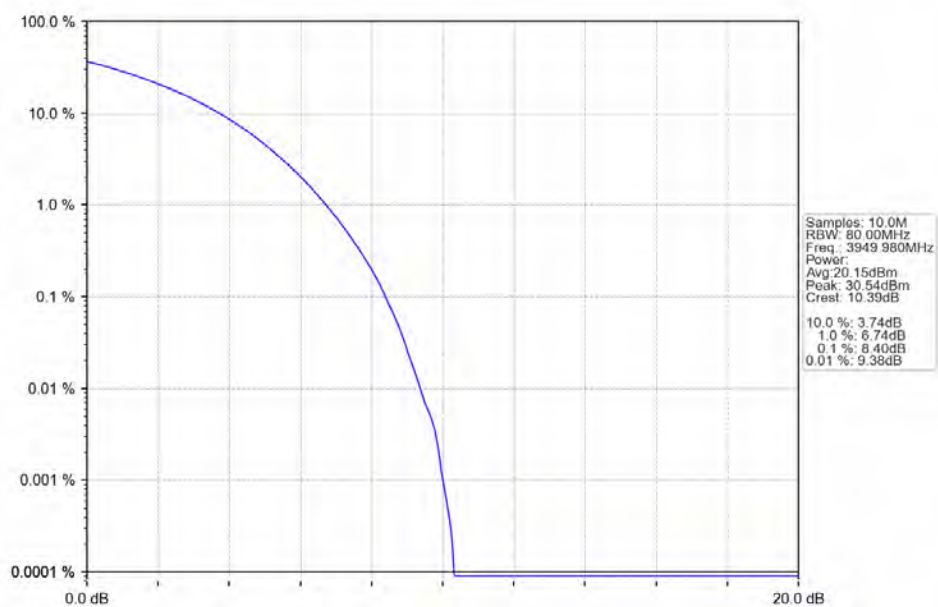
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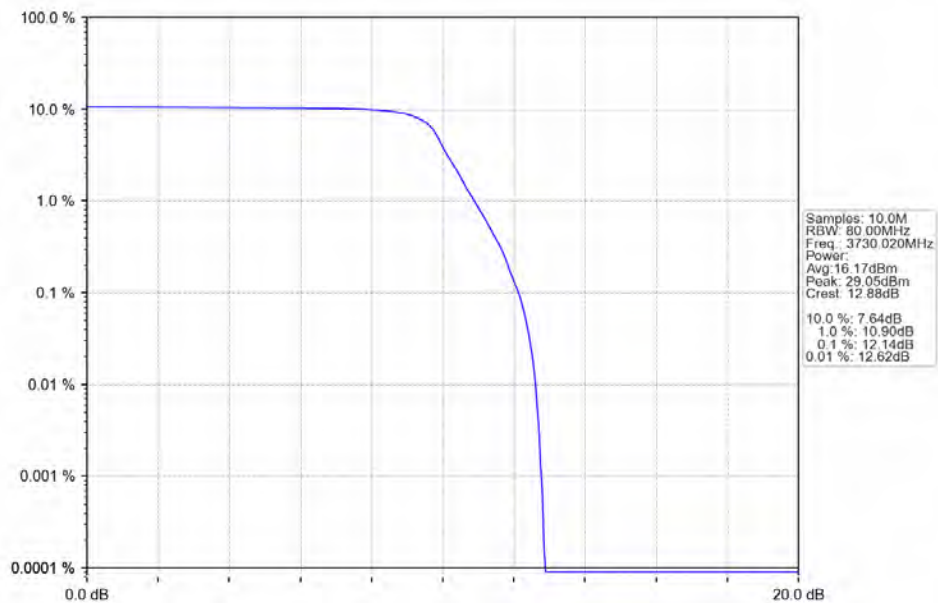
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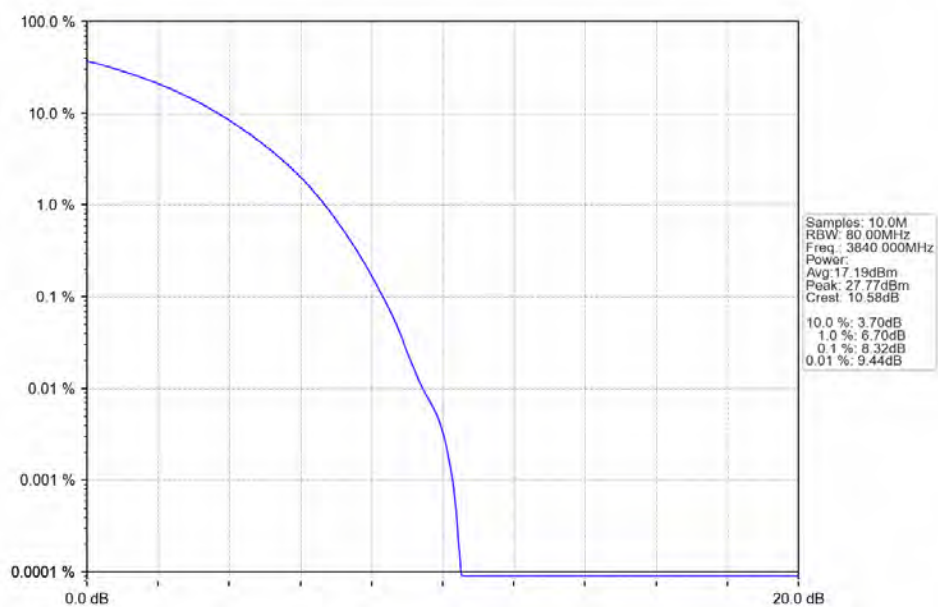
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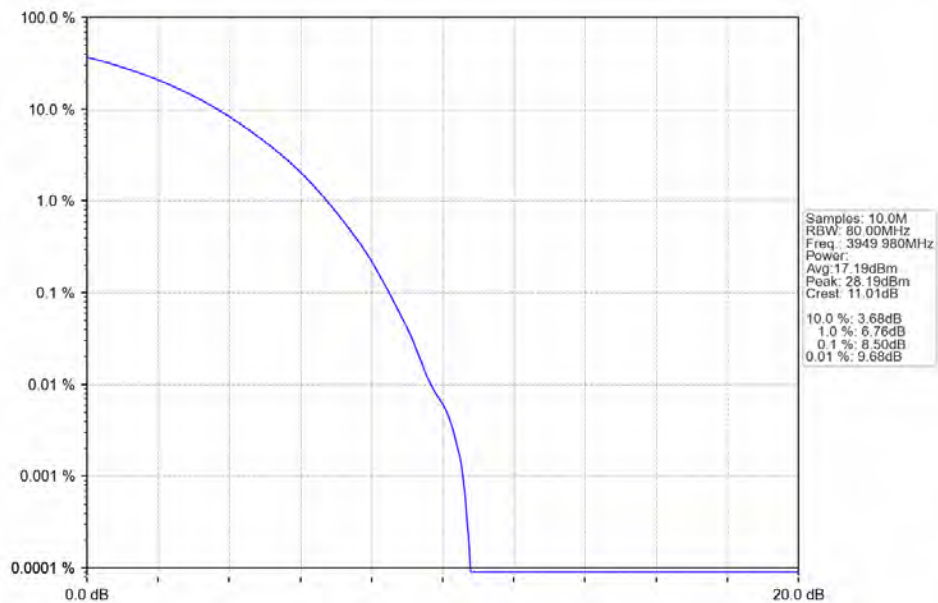
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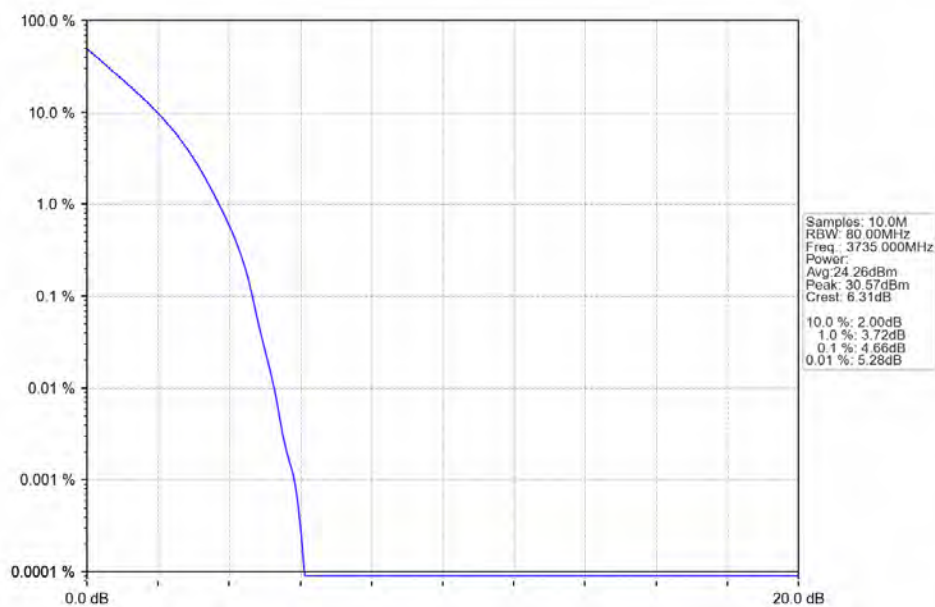


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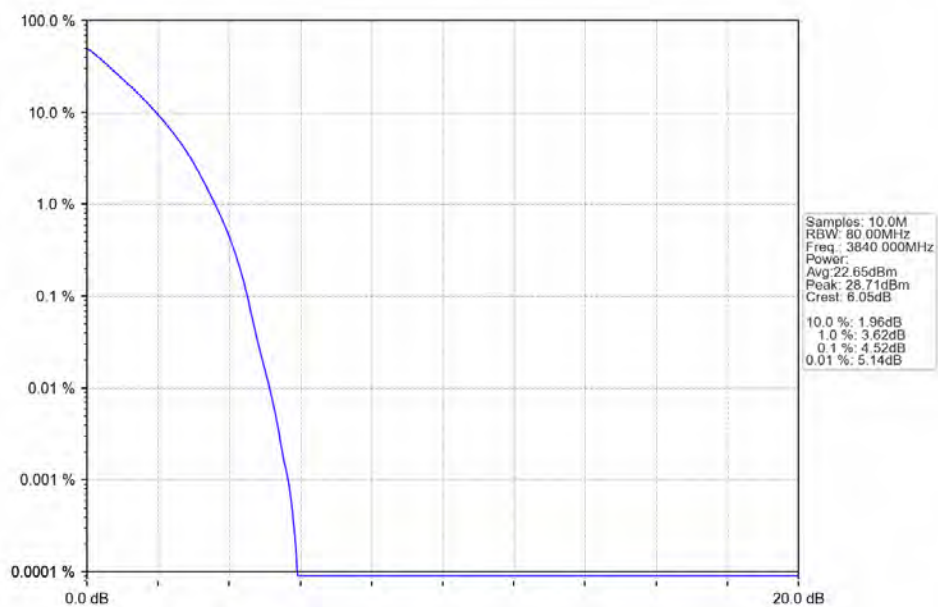


## 4.2.9 30k\_SISO\_70MHz\_NTNV

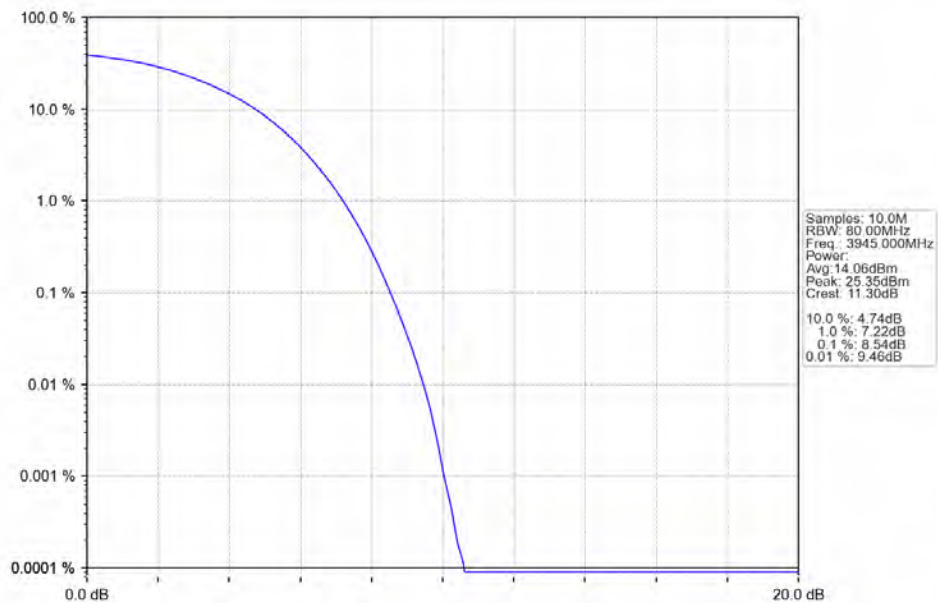
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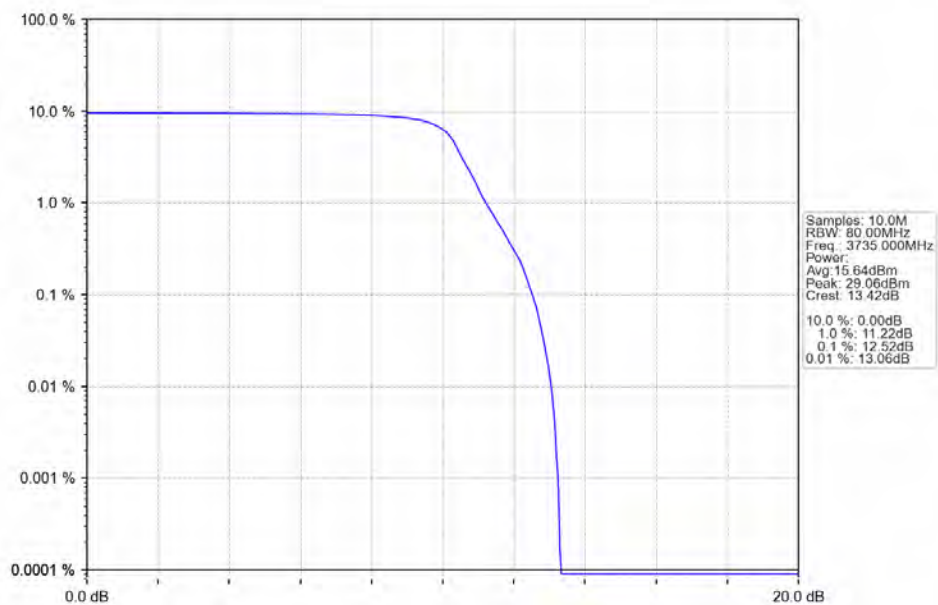
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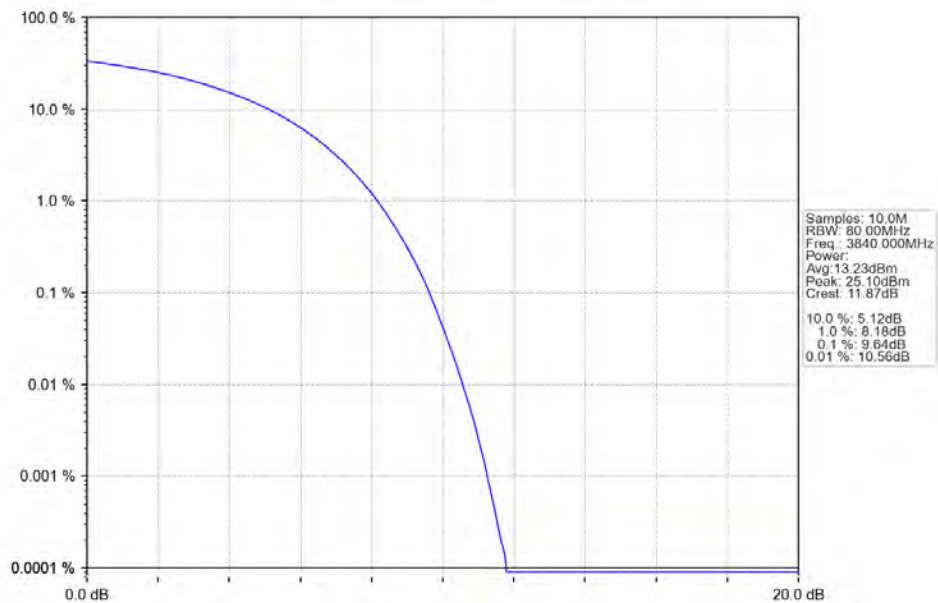
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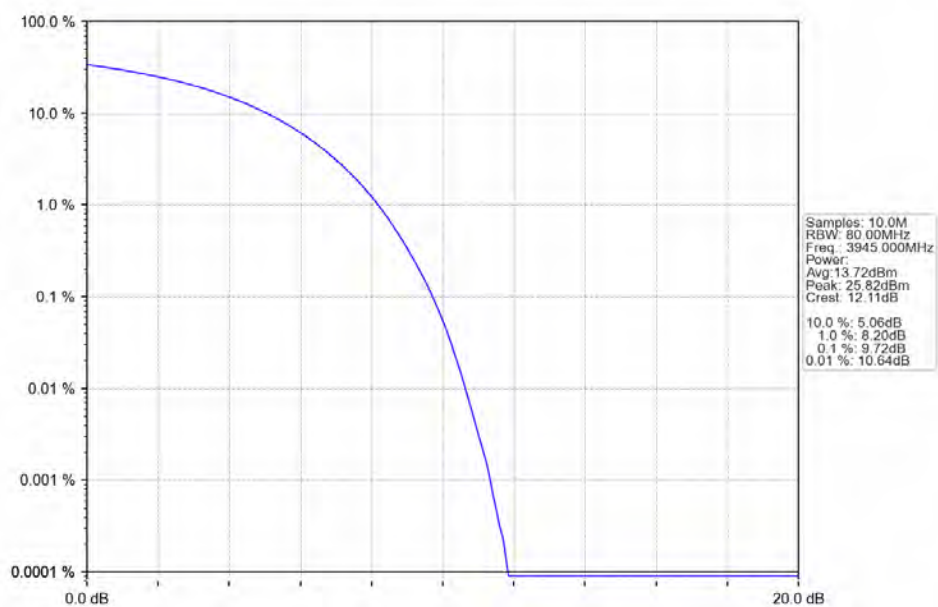
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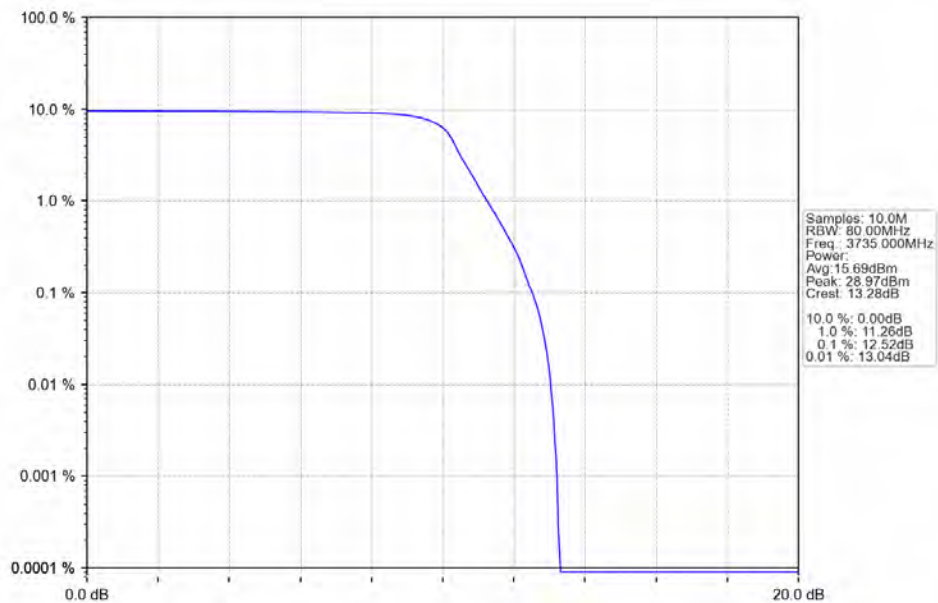
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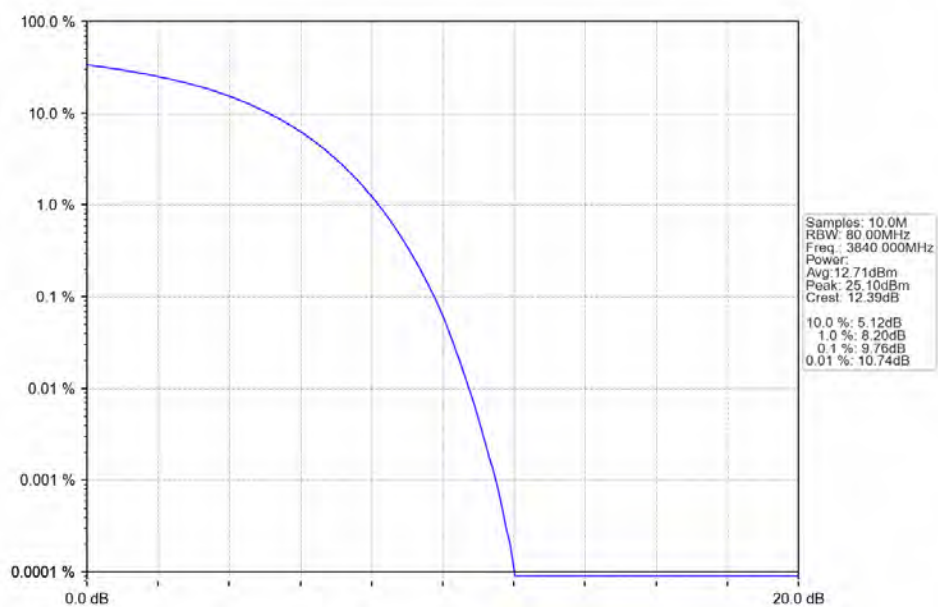
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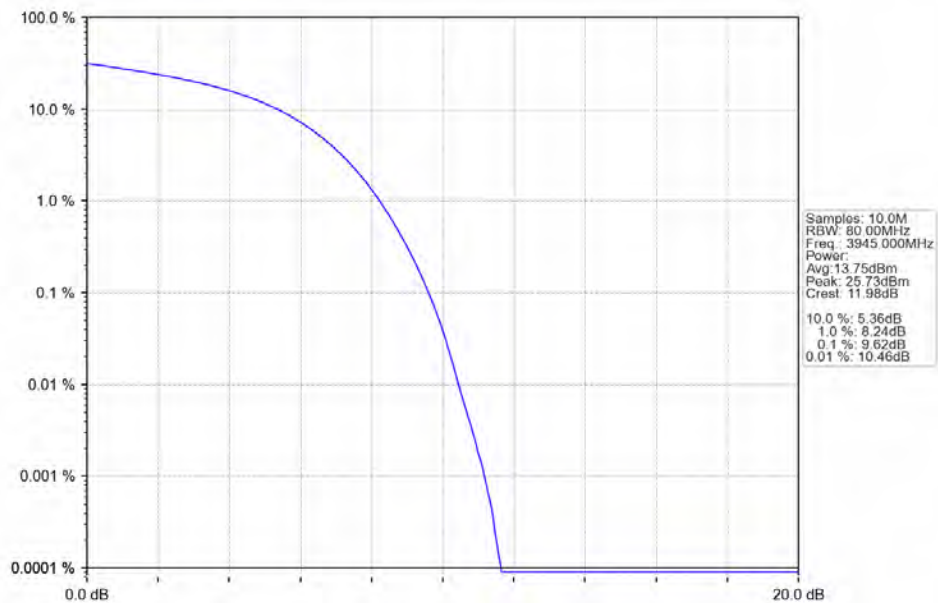
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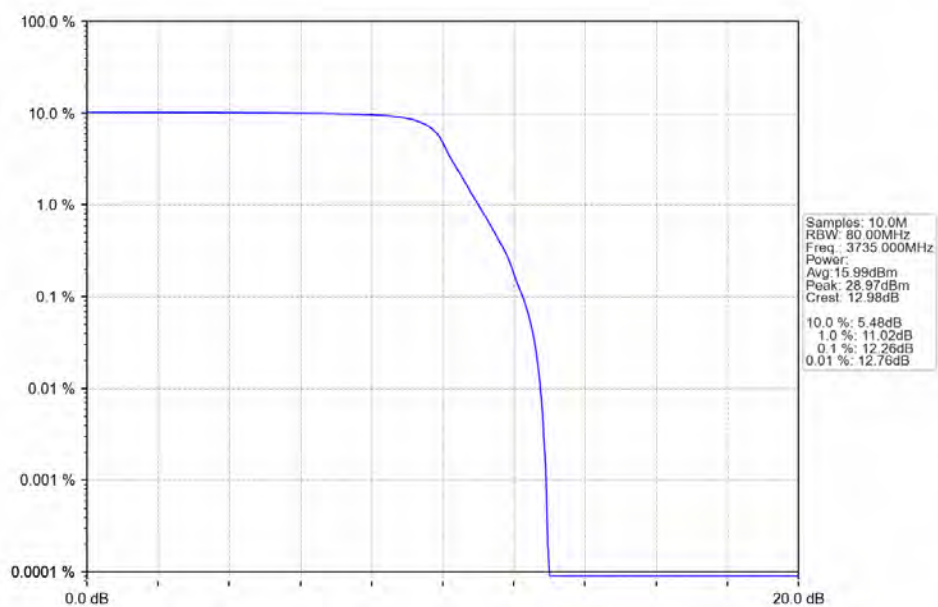
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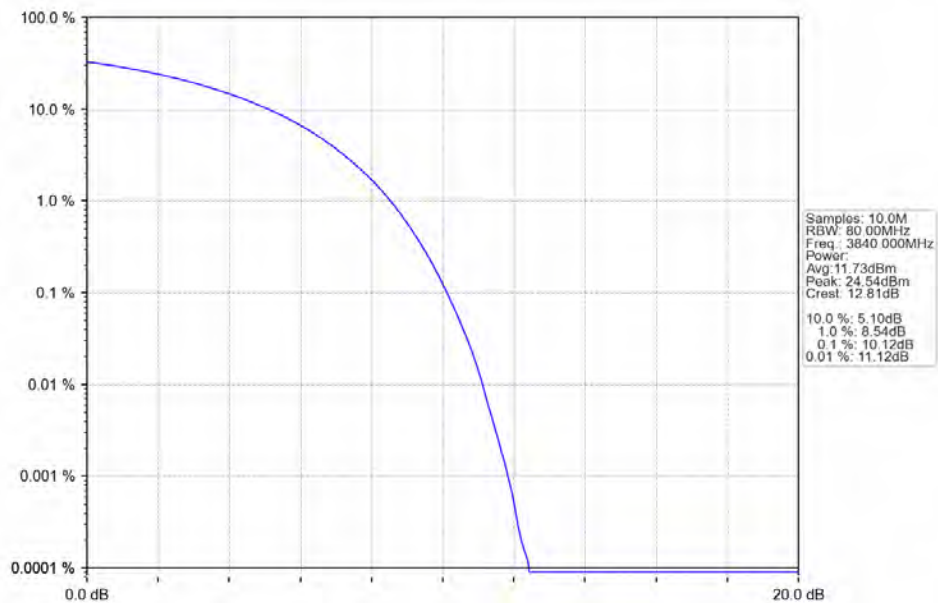
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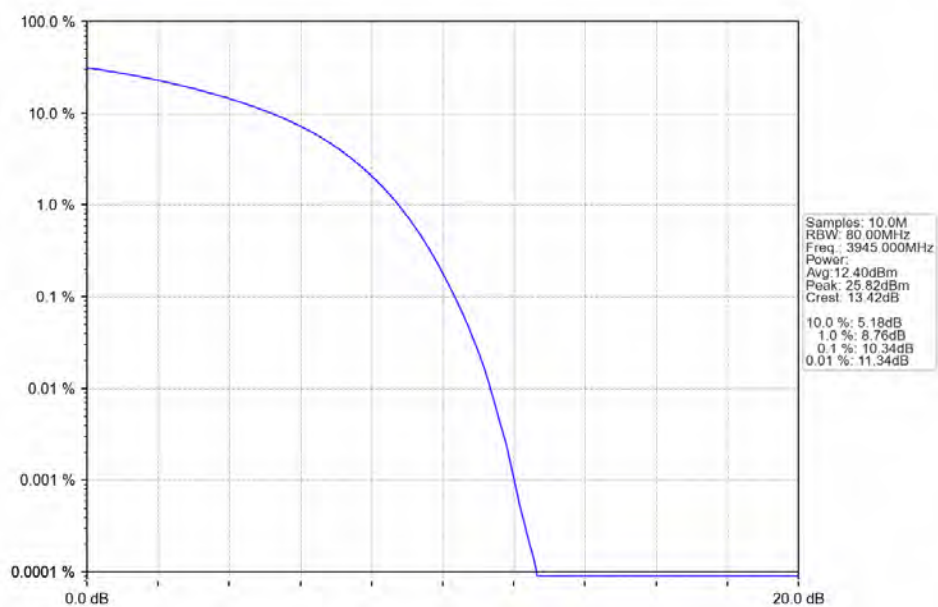
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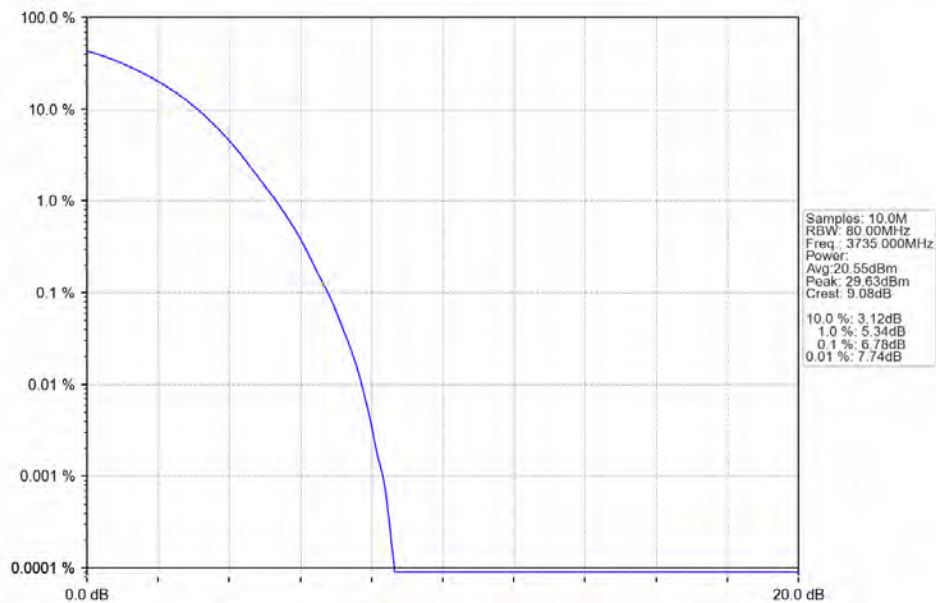
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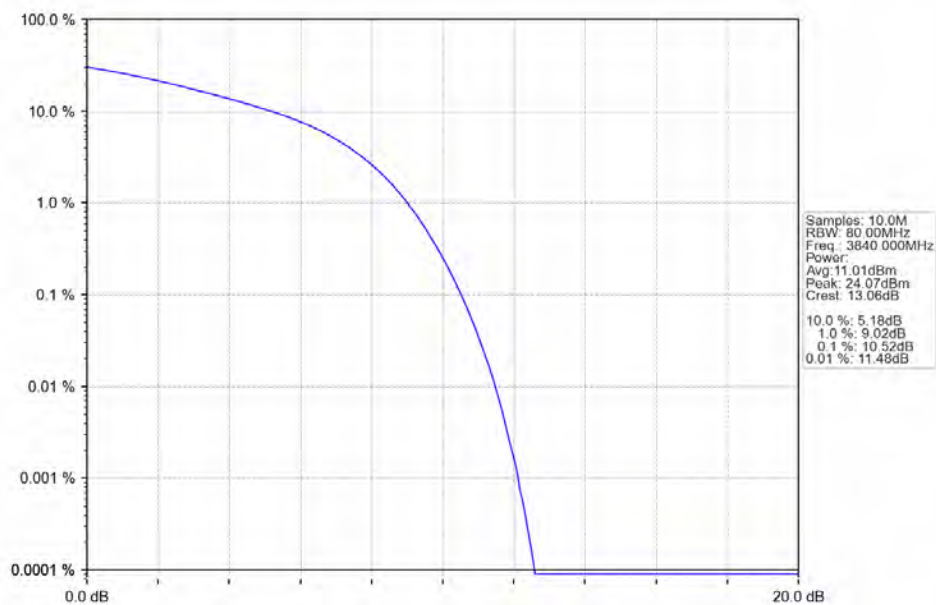
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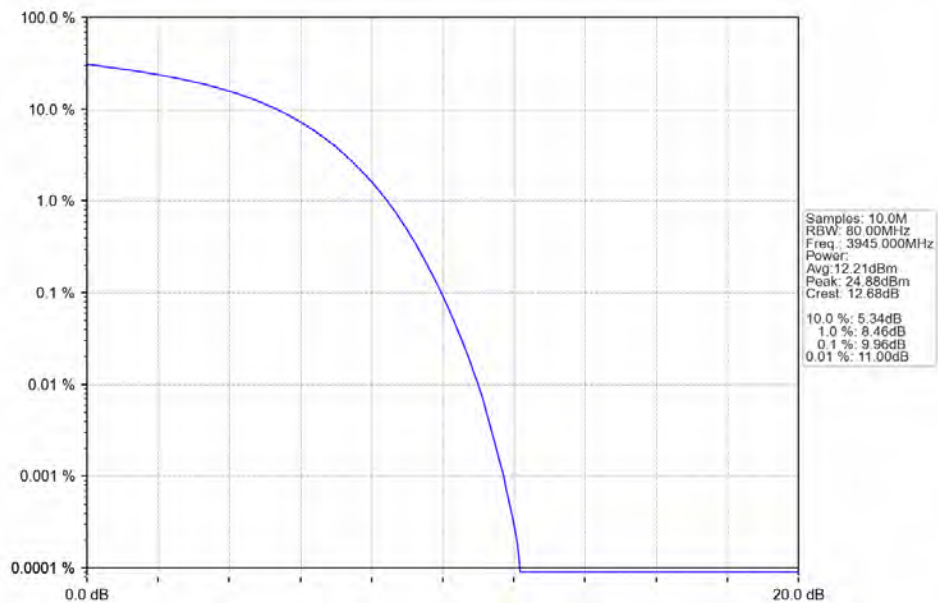
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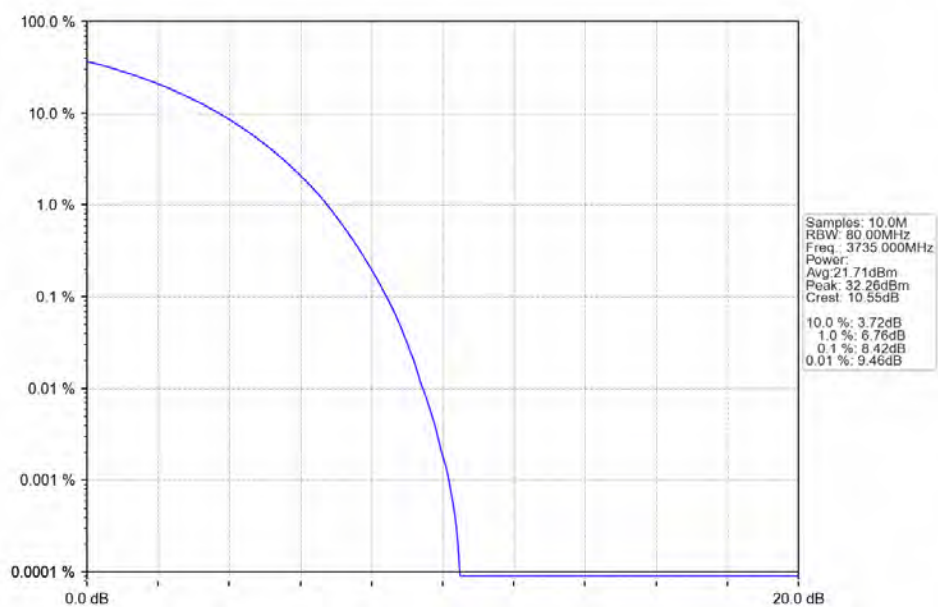
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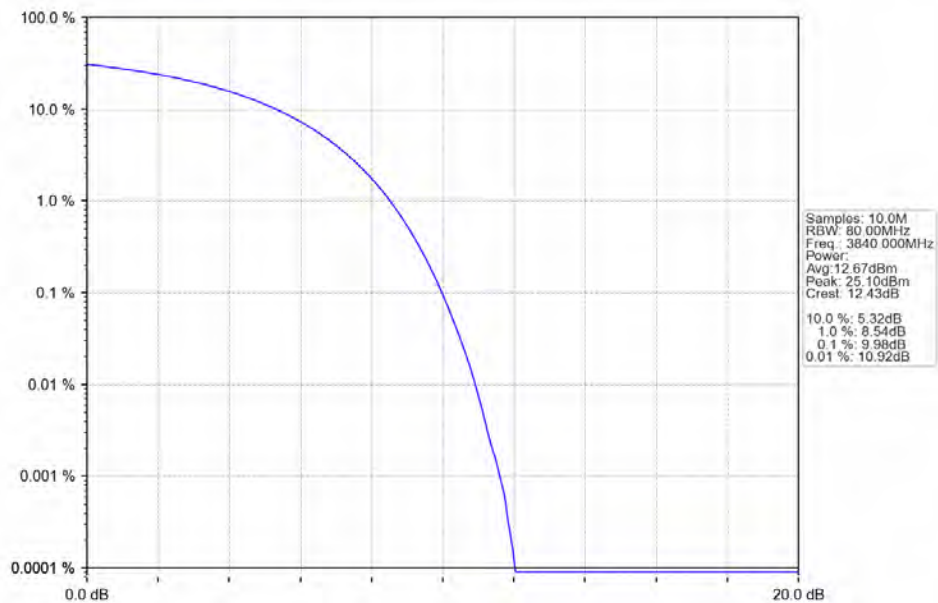
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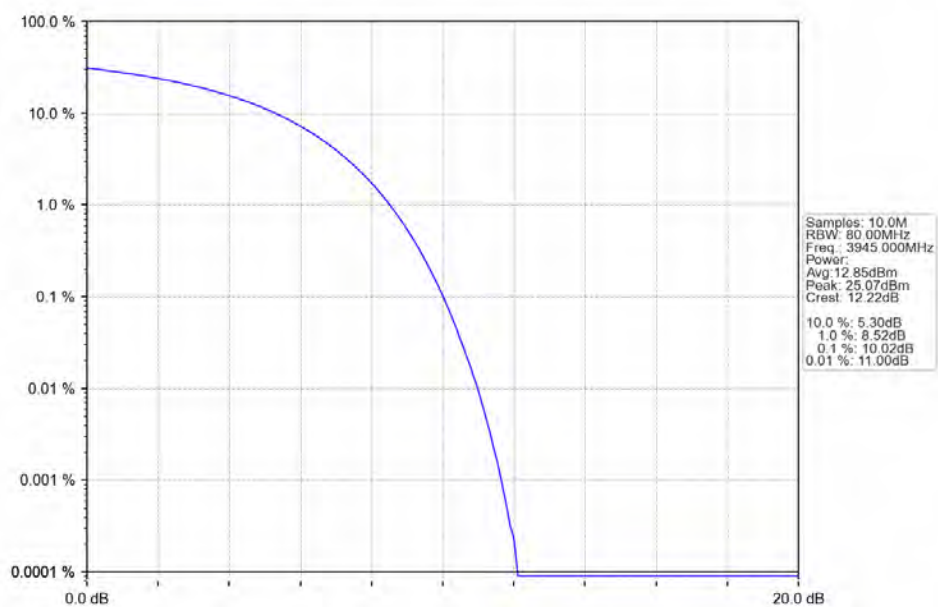
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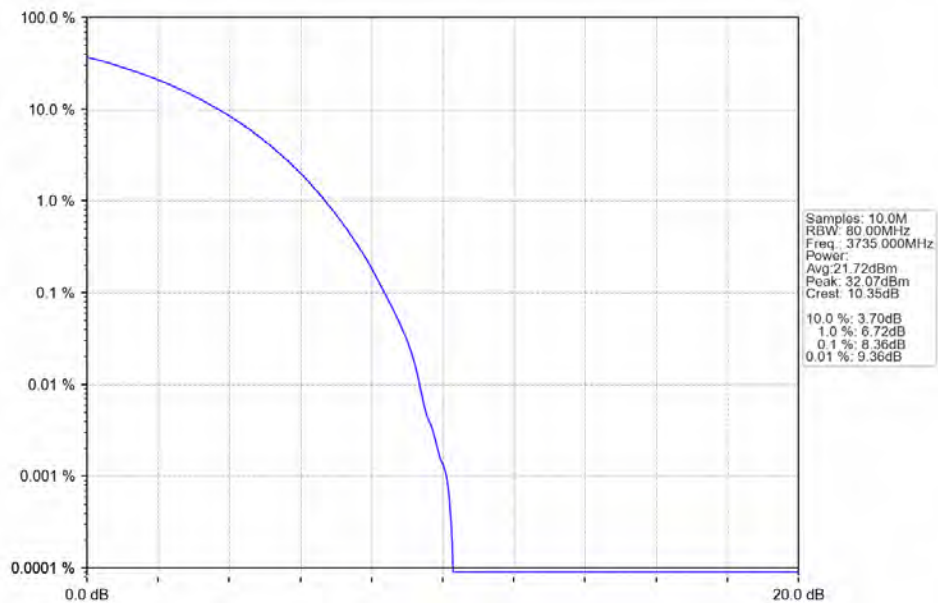
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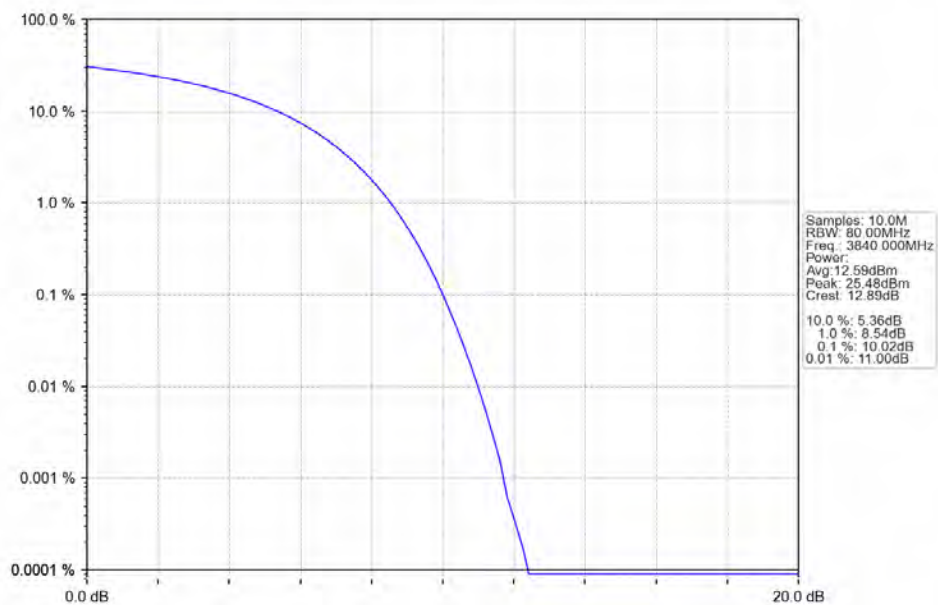
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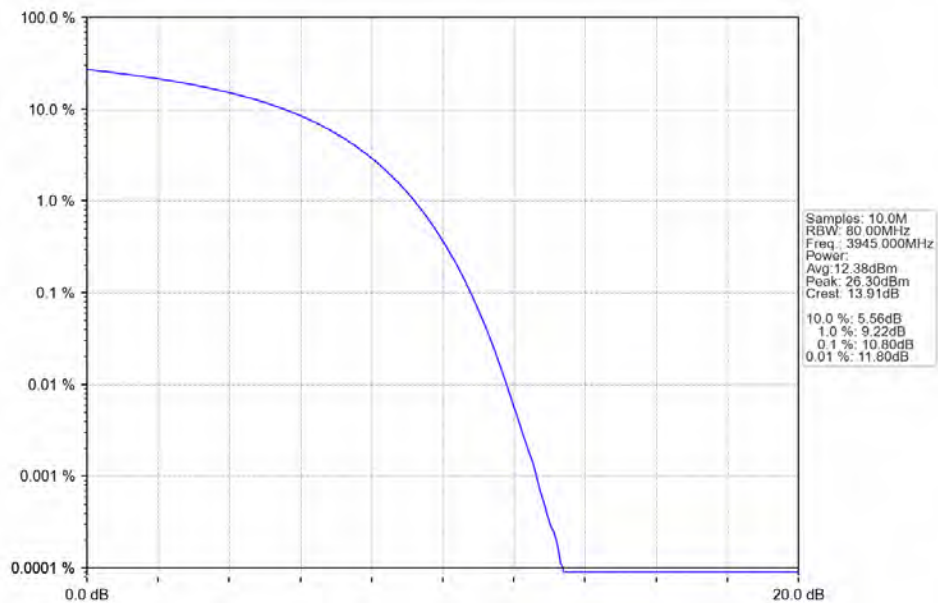
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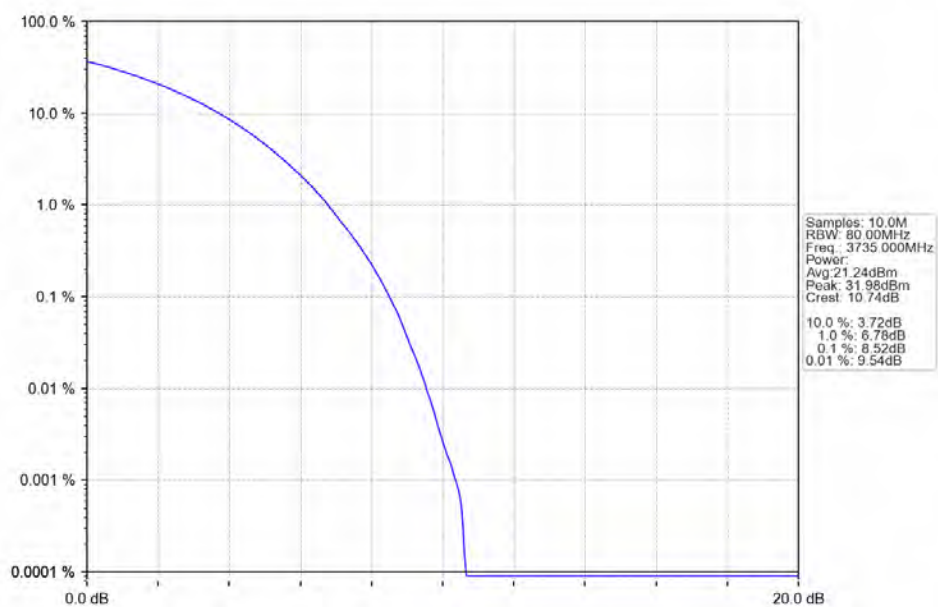
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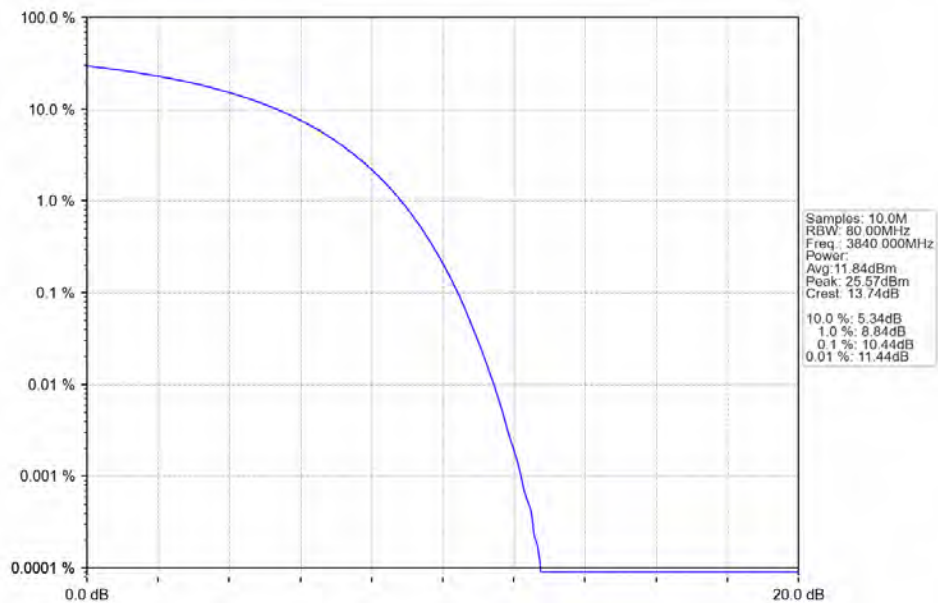
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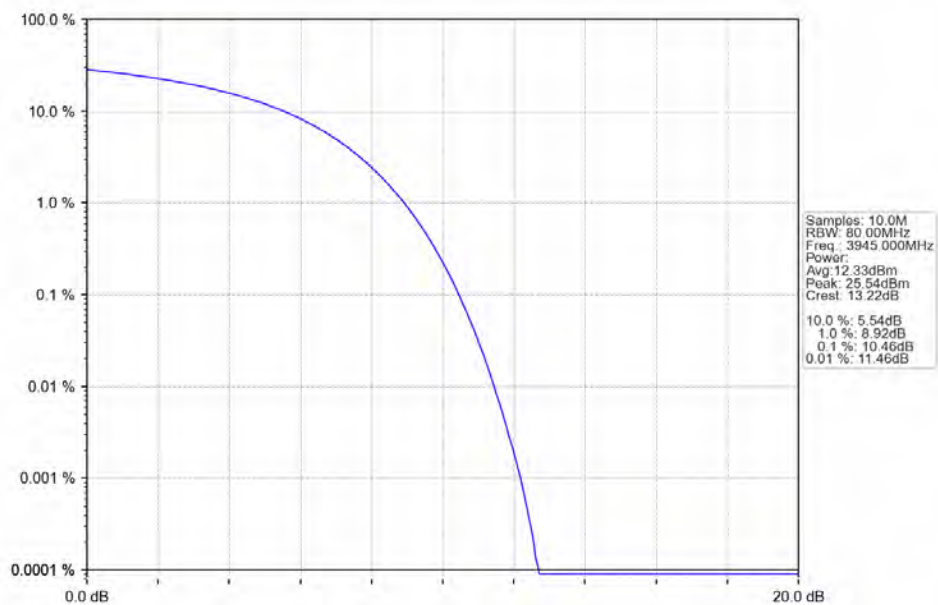
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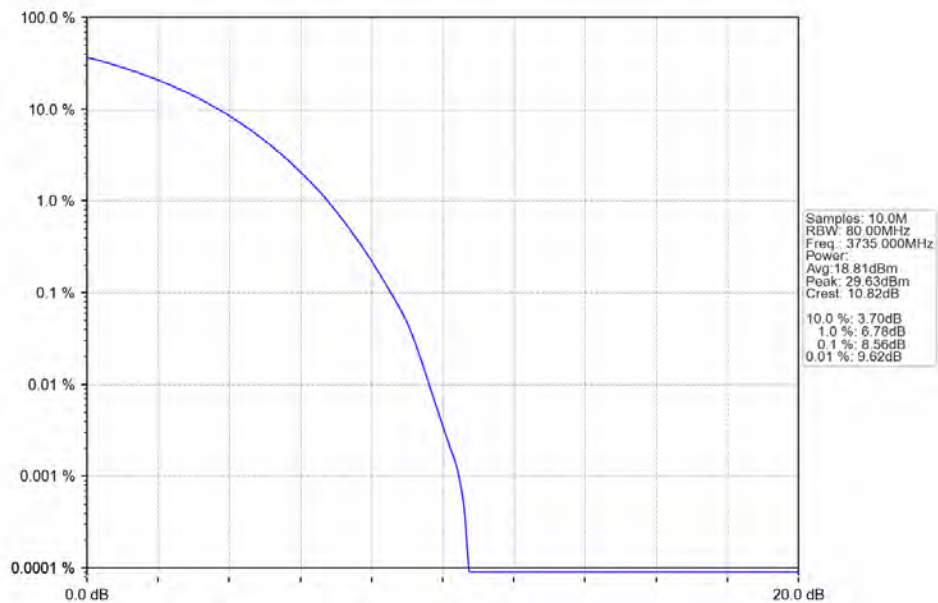
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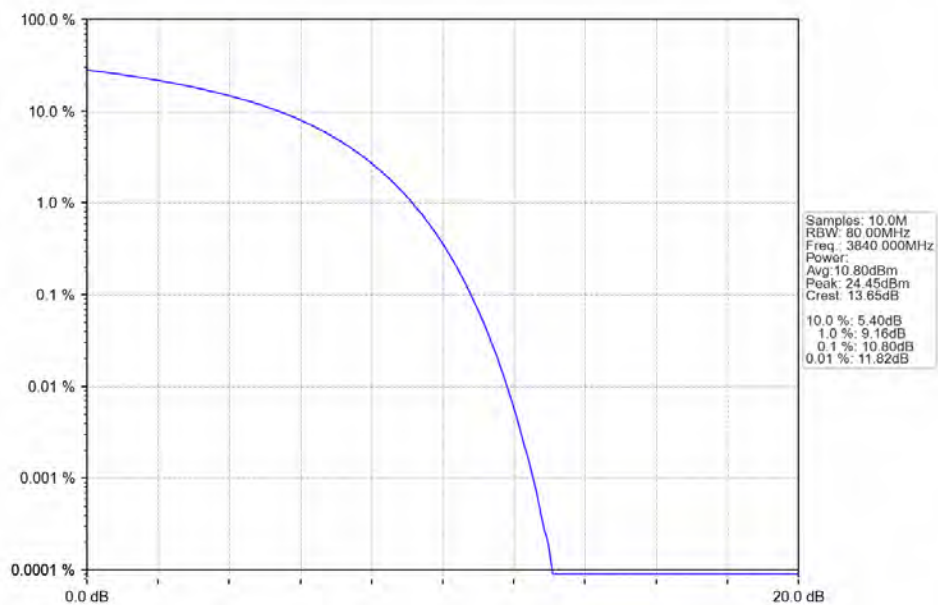
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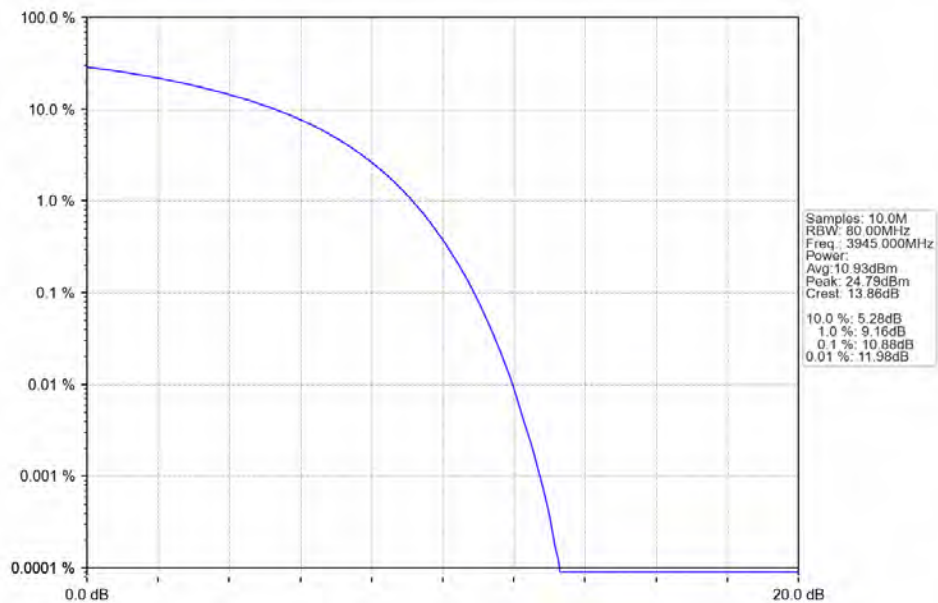
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n77a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant1

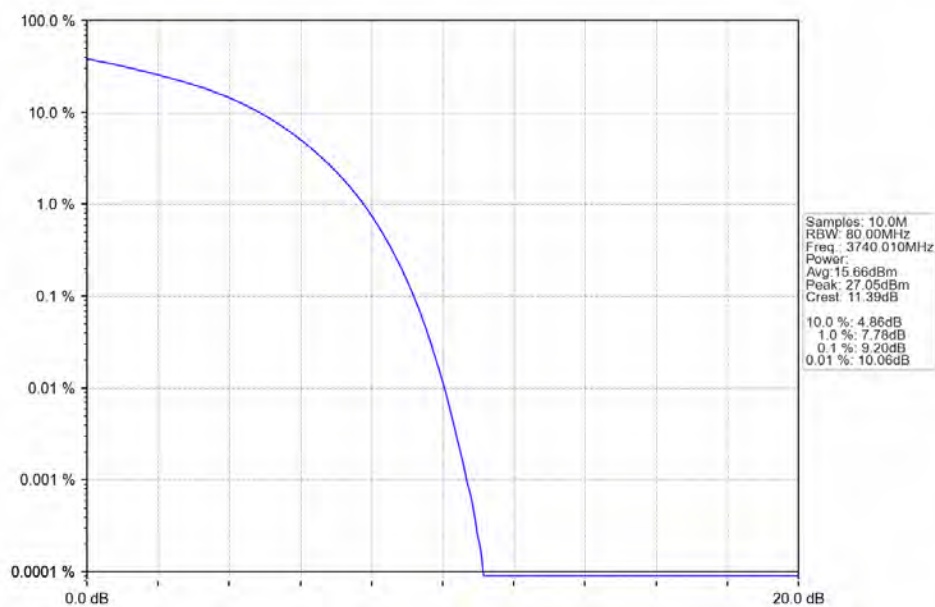


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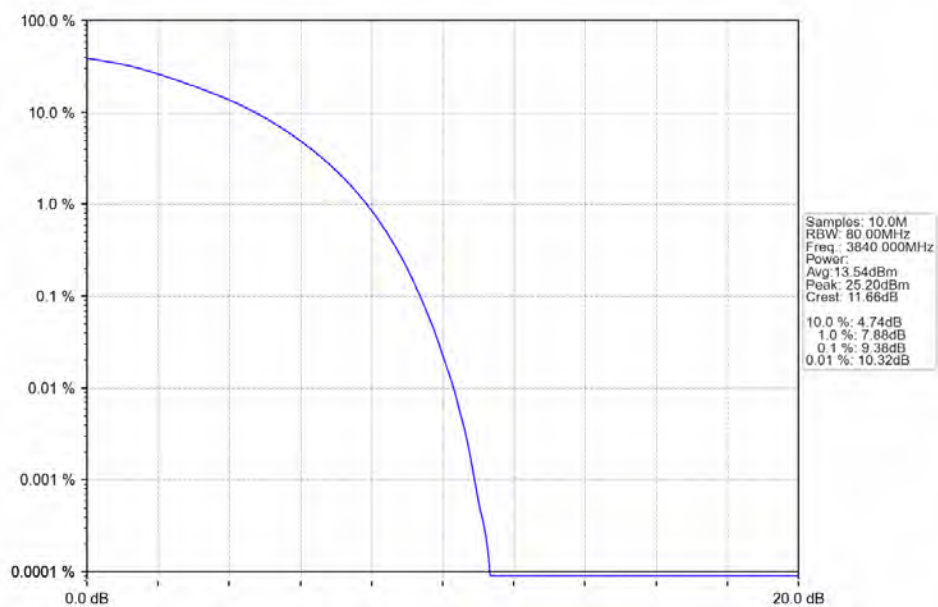


## 4.2.10 30k\_SISO\_80MHz\_NTNV

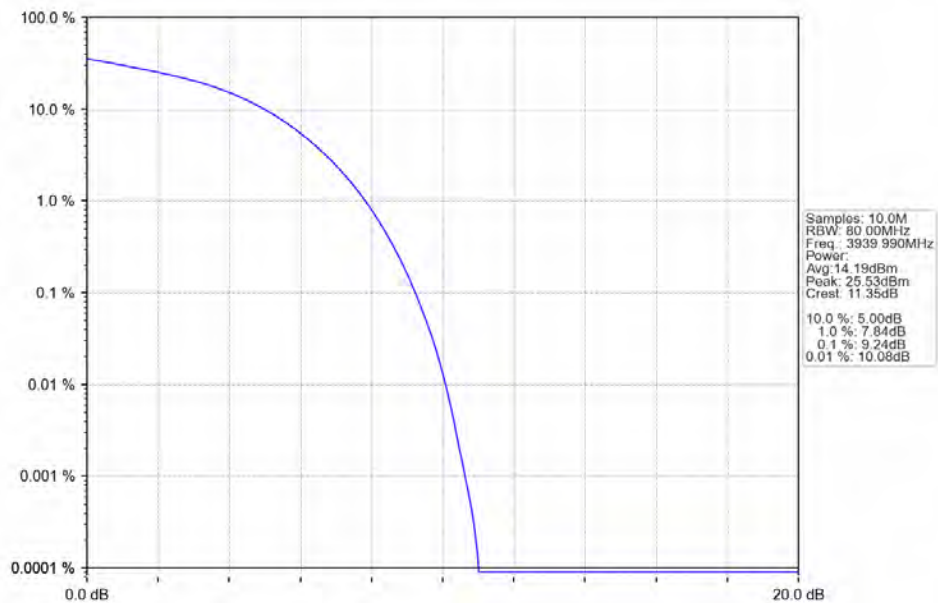
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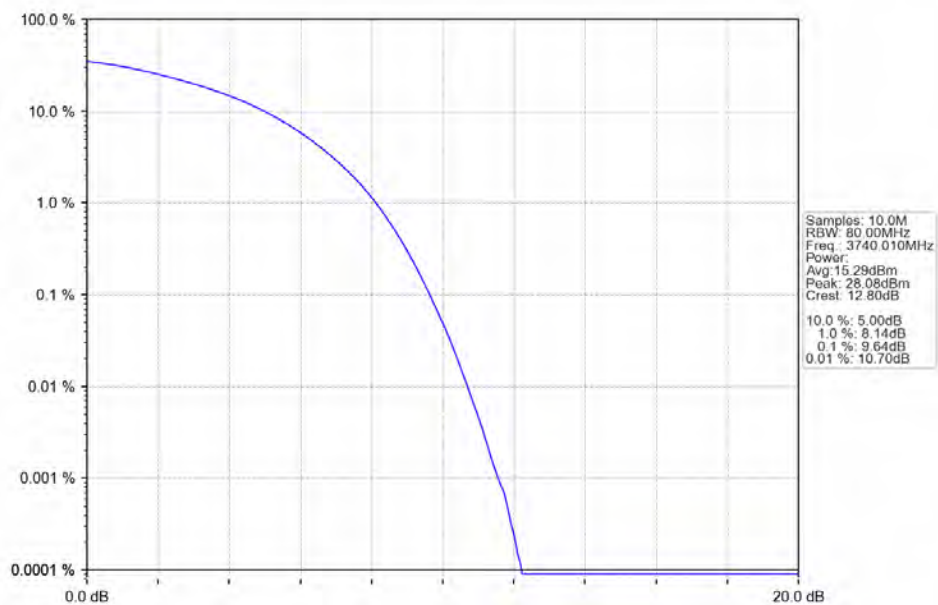
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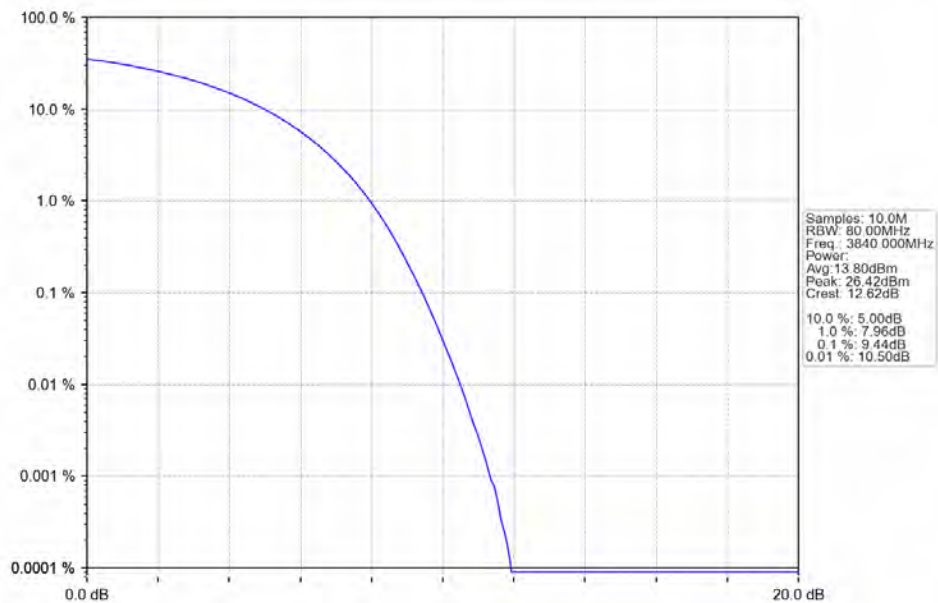
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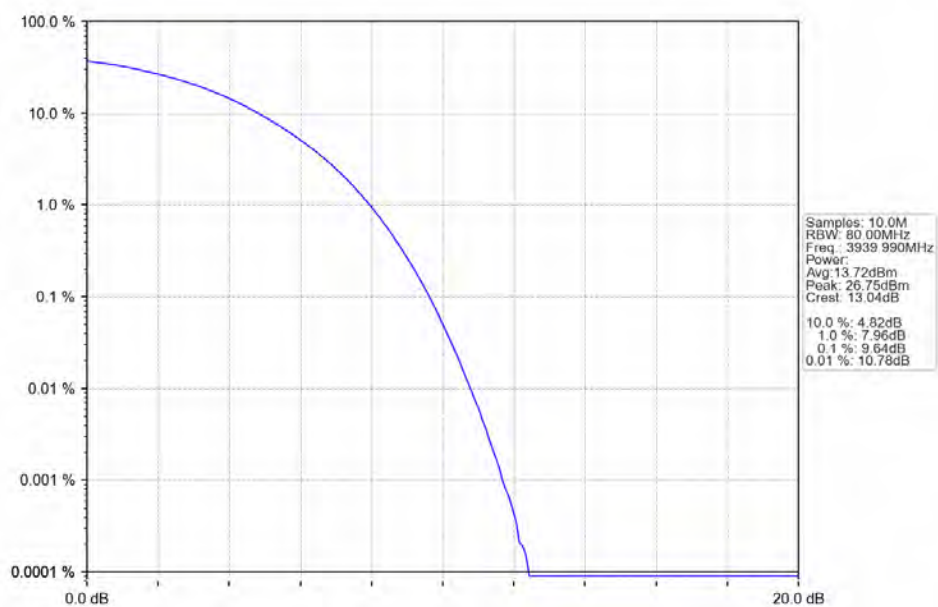
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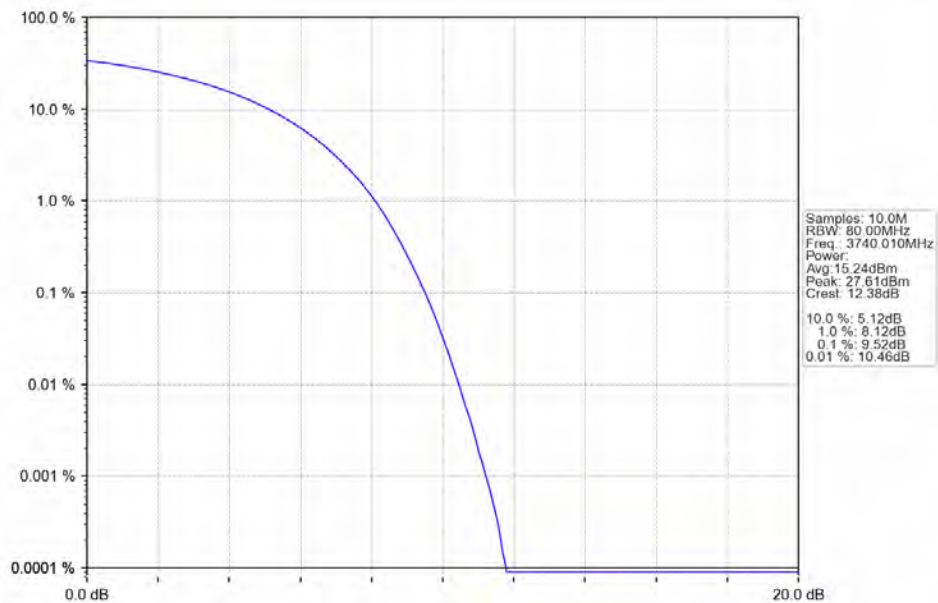
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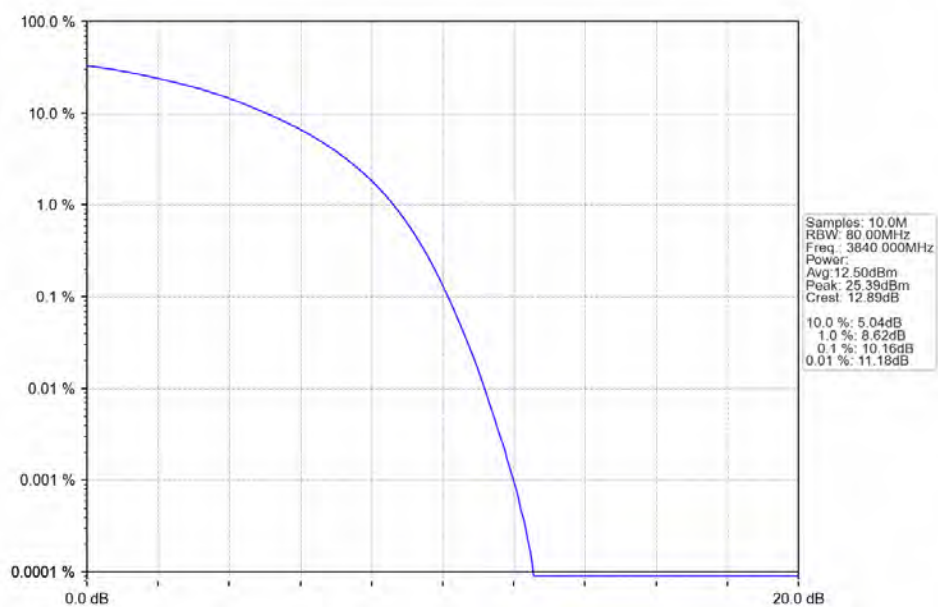
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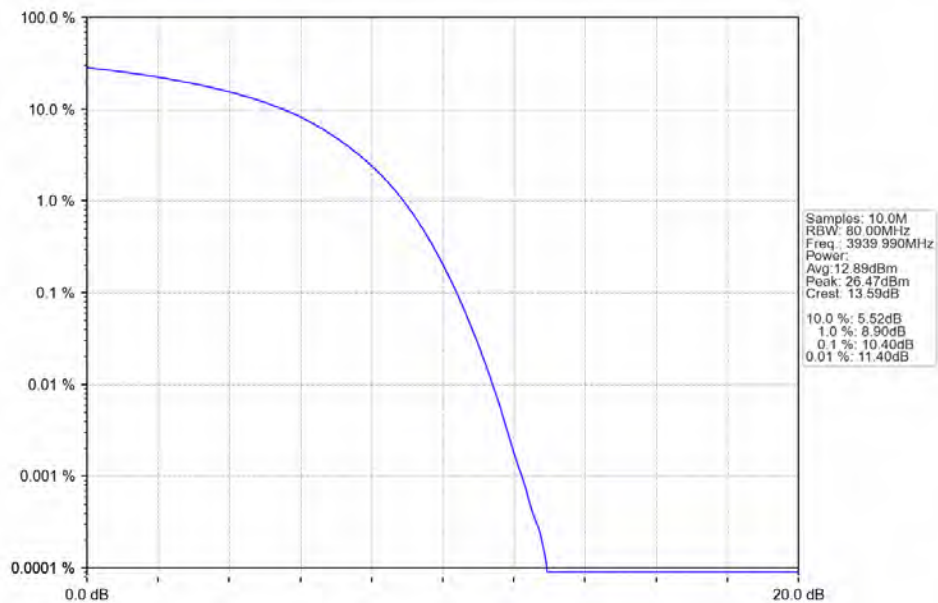
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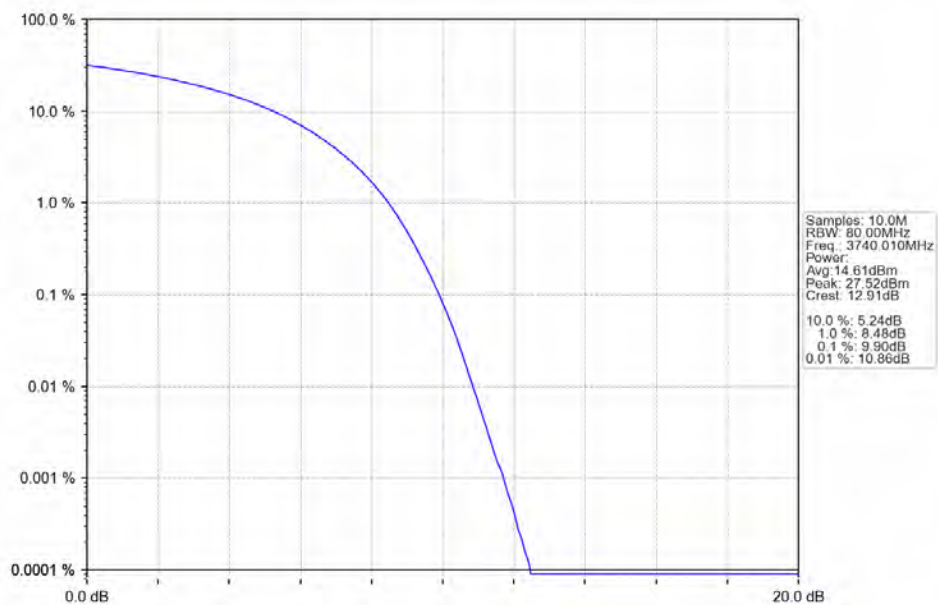
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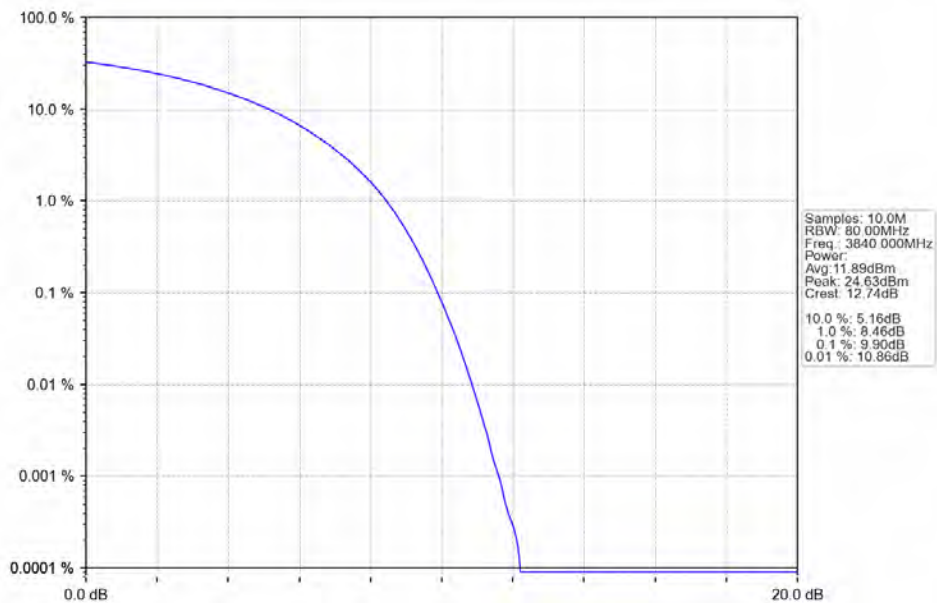
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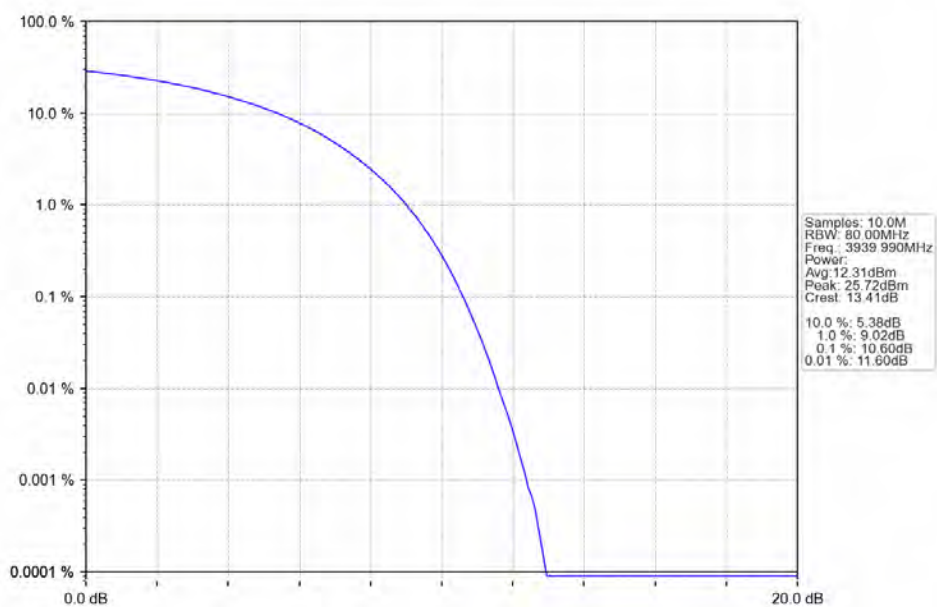
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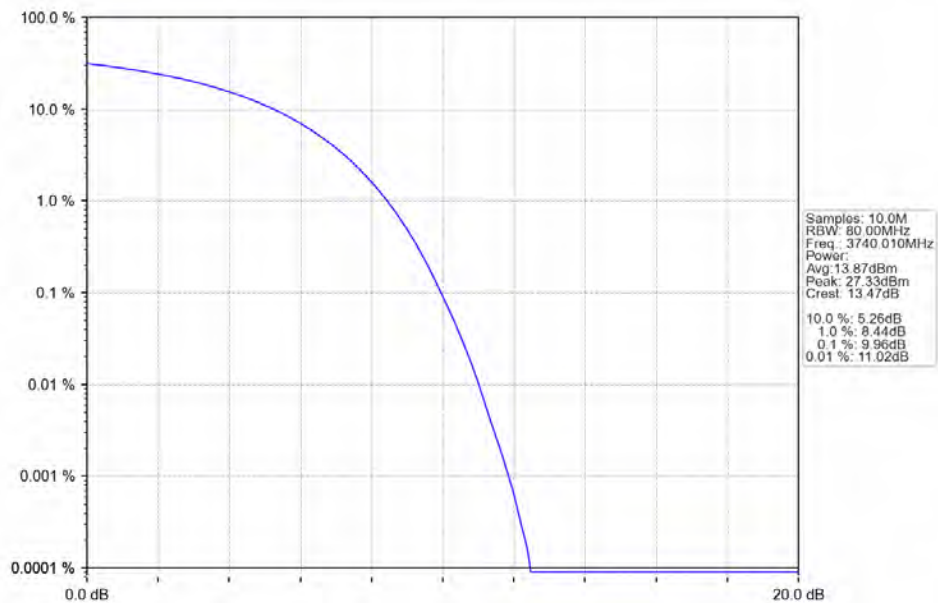
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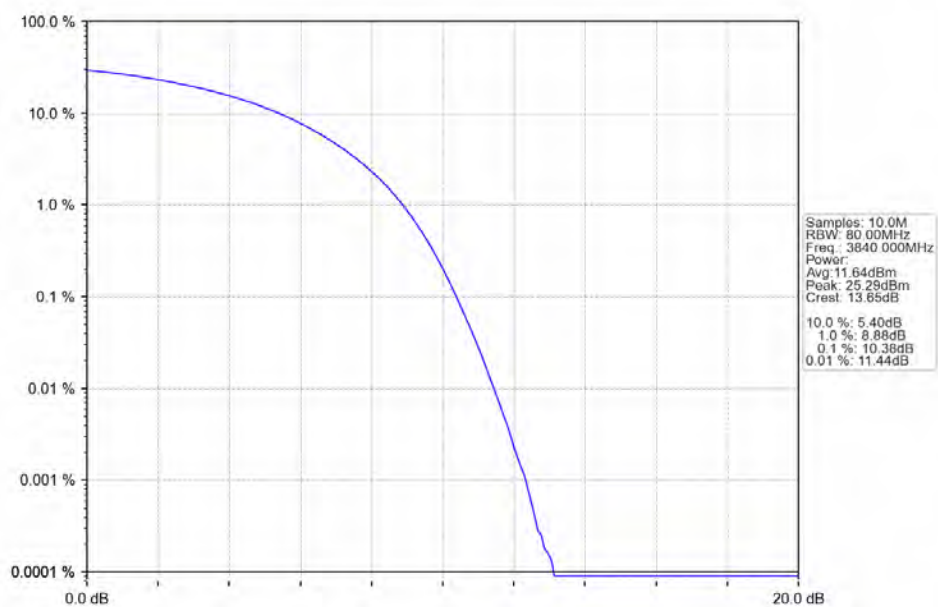
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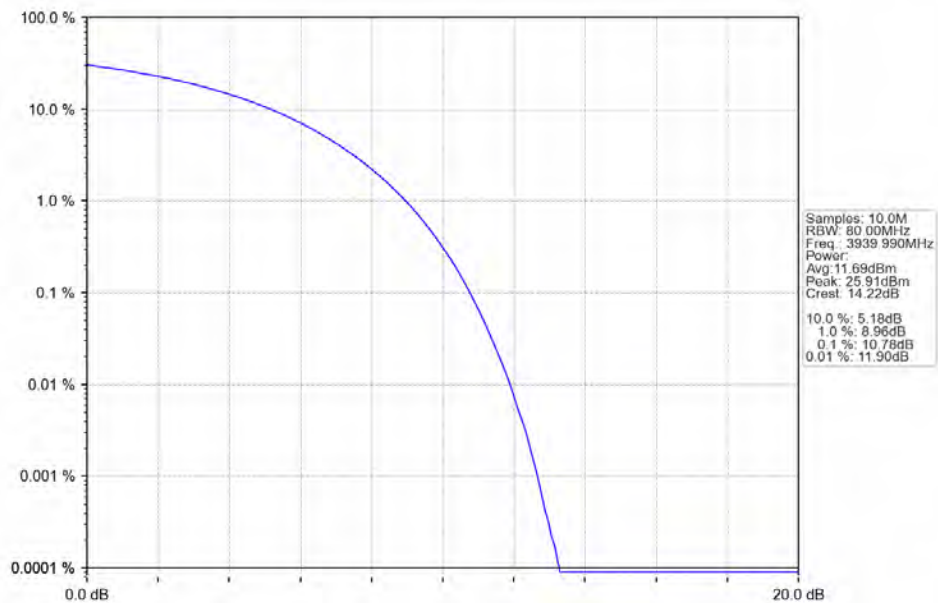
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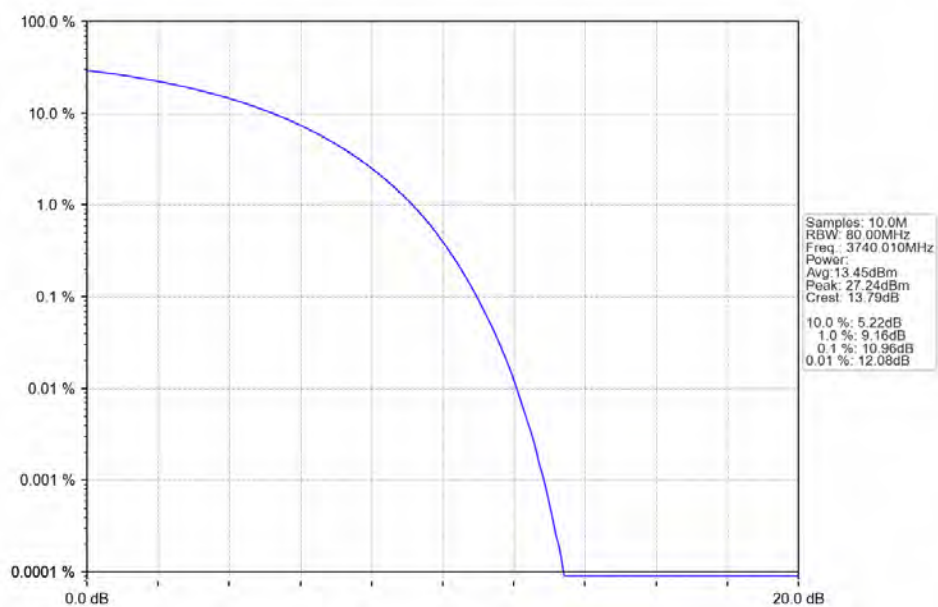
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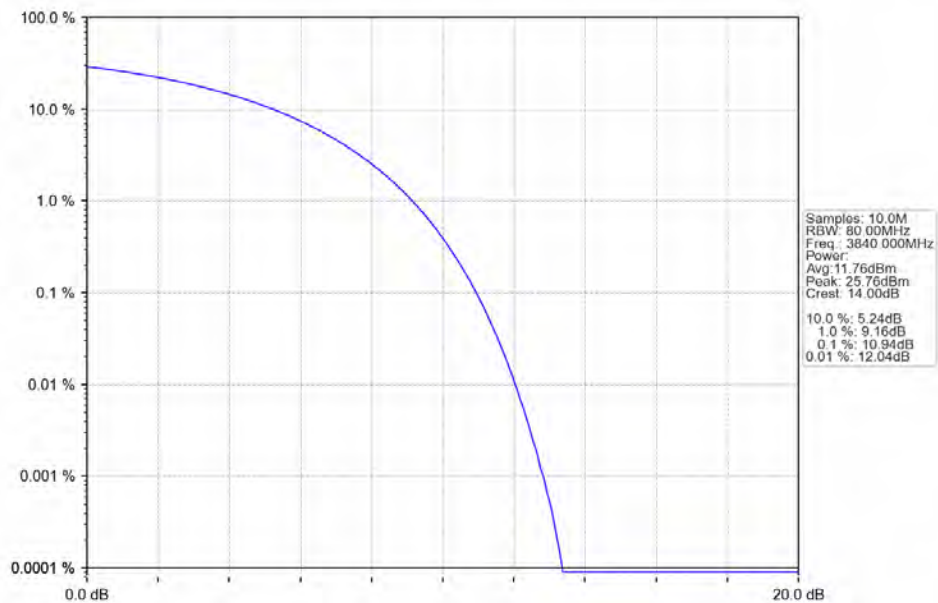
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n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_QPSK\_3740.01MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_QPSK\_3939.99MHz\_Outer\_Full\_Ant1

