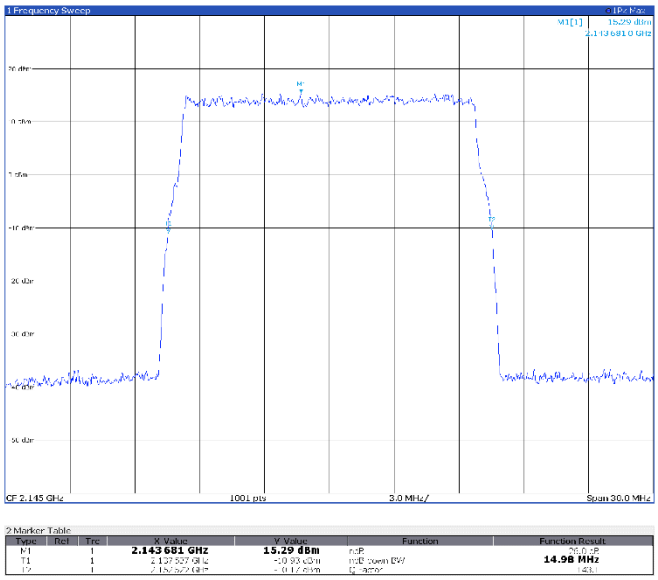
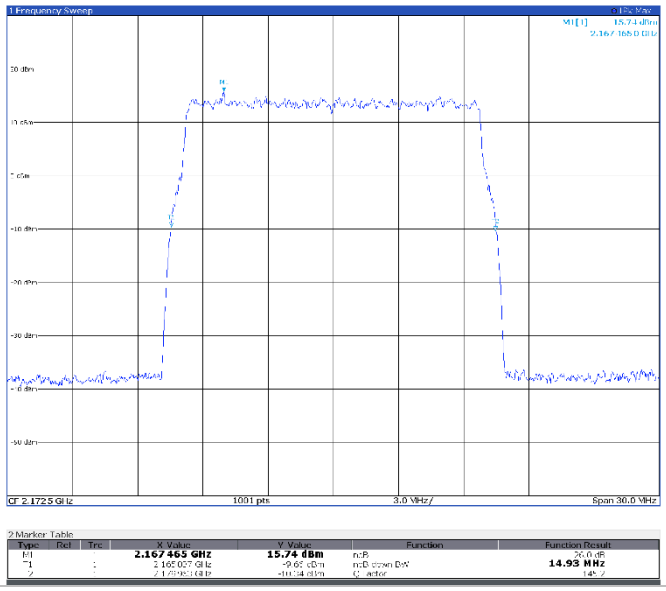
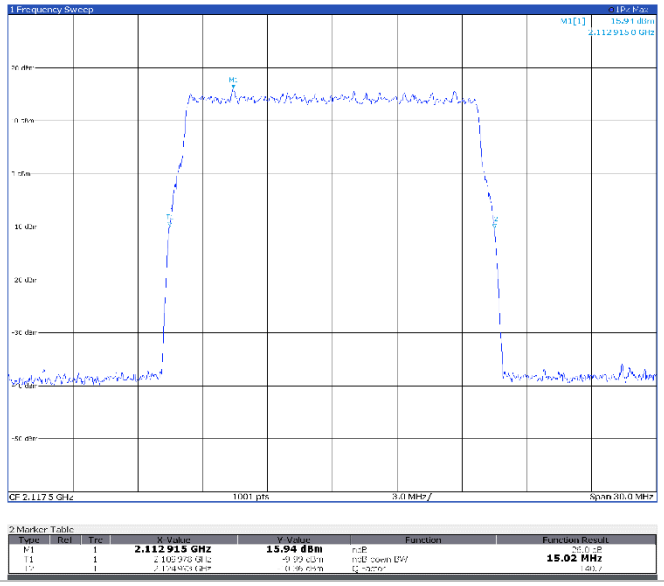
TM3p1, 15 MHz, mid channel



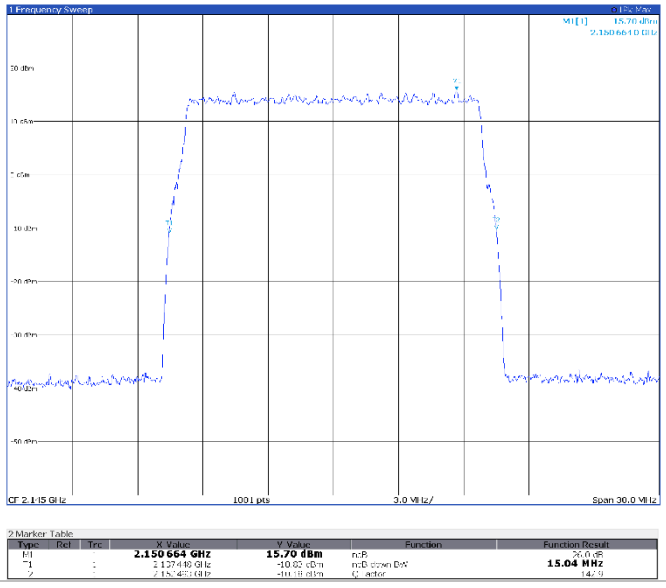
TM3p1, 15 MHz, high channel



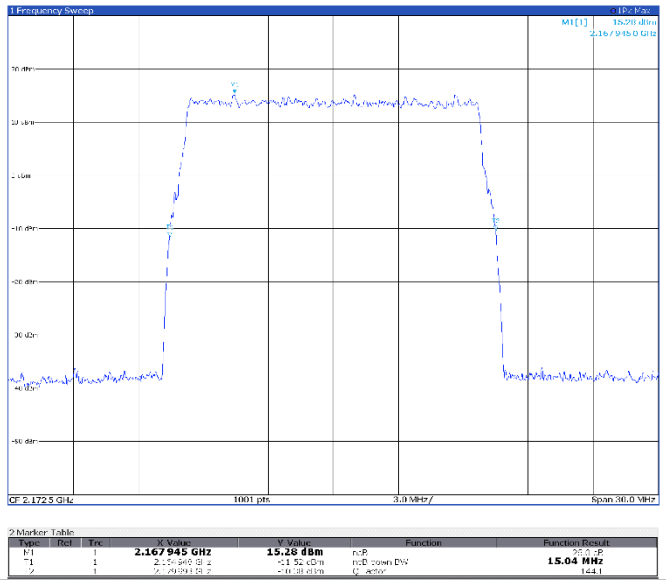
TM3p1a, 15 MHz, low channel



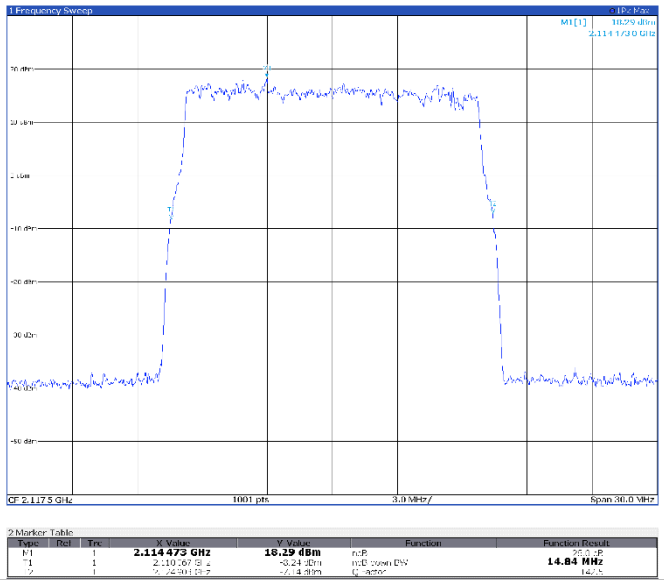
TM3p1a, 15 MHz, mid channel



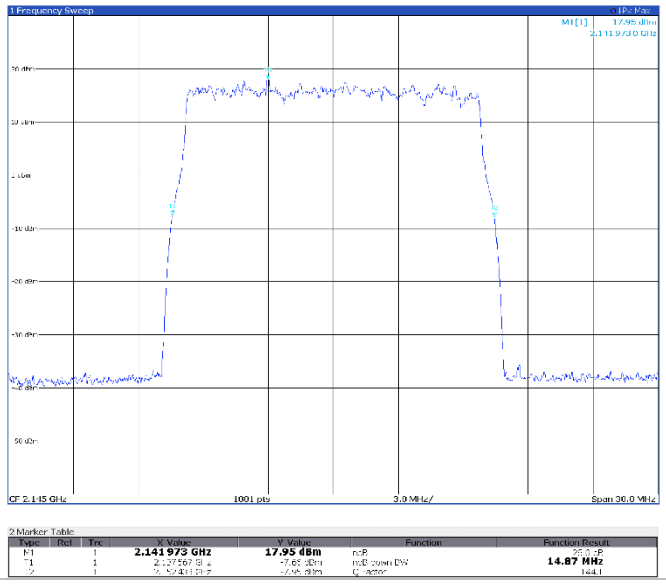
TM3p1a, 15 MHz, high channel



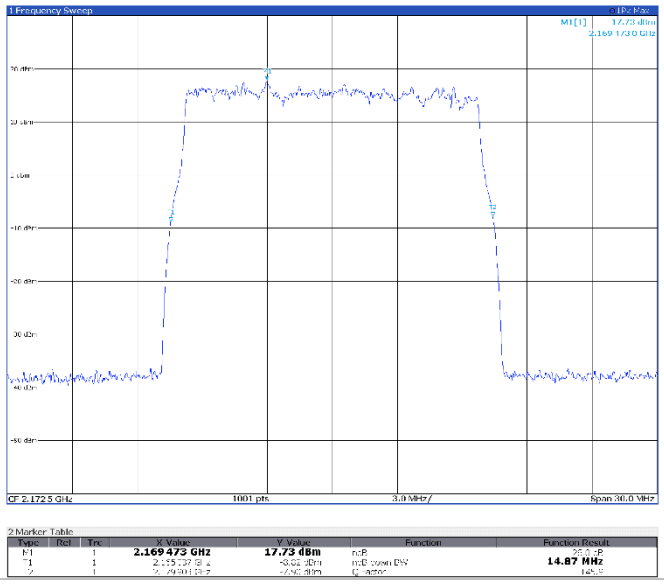
TM3p3, 15 MHz, low channel



TM3p3, 15 MHz, mid channel

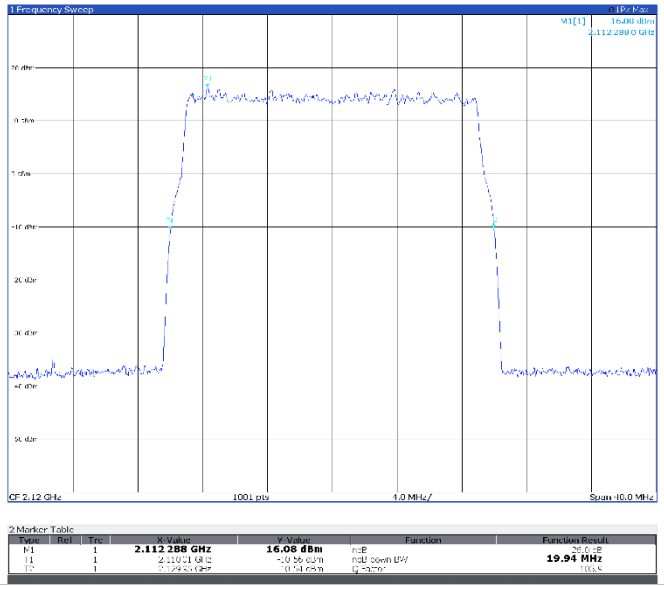


TM3p3, 15 MHz, high channel

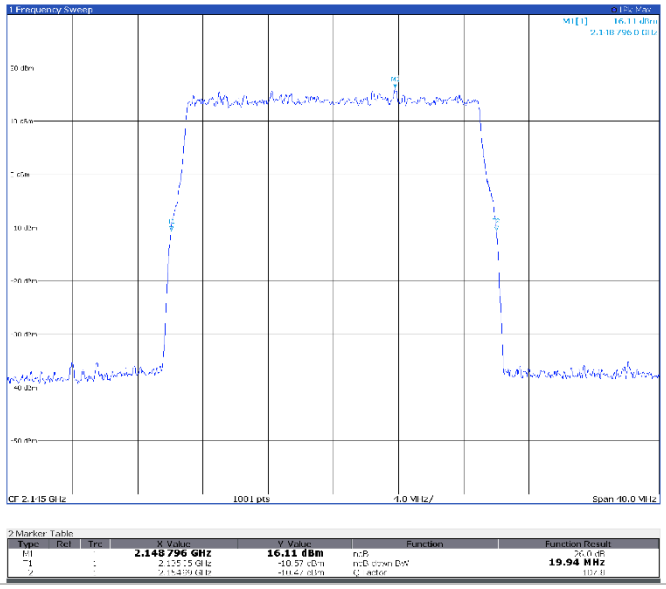


Band B66 | **20 MHz**

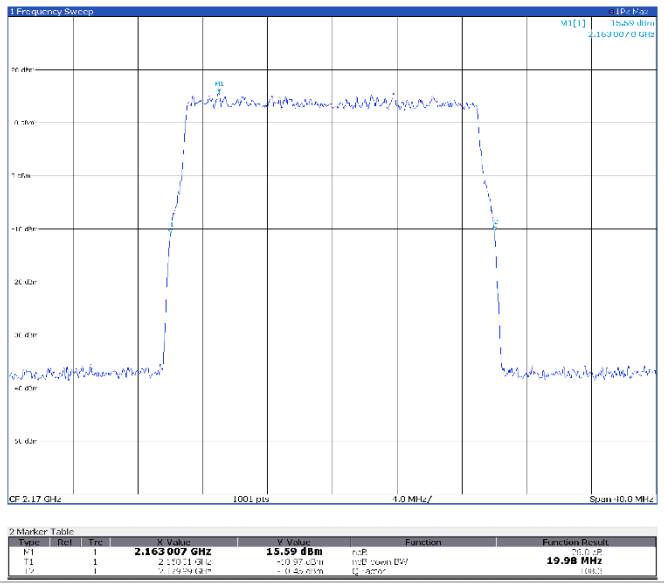
TM1.1, 20 MHz, low channel



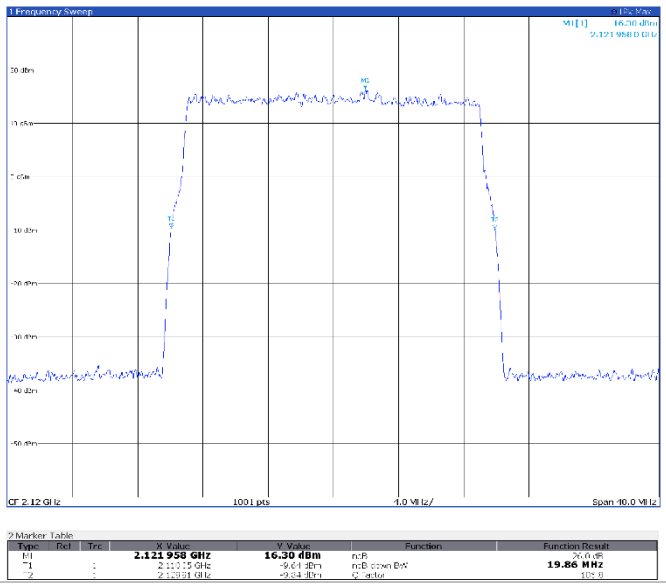
TM1.1, 20 MHz, mid channel



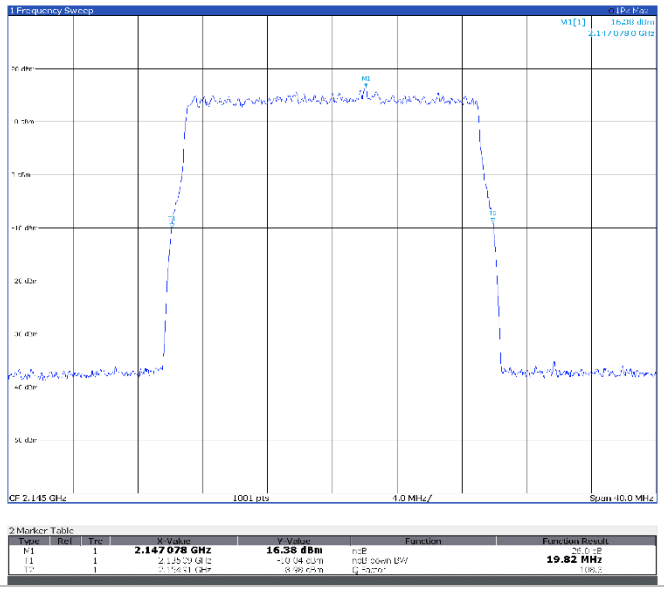
TM1.1, 20 MHz, high channel



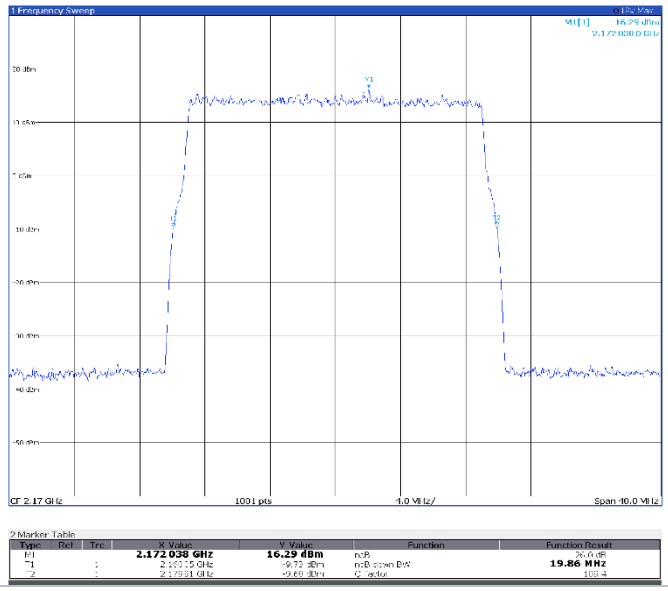
TM3p1, 20 MHz, low channel



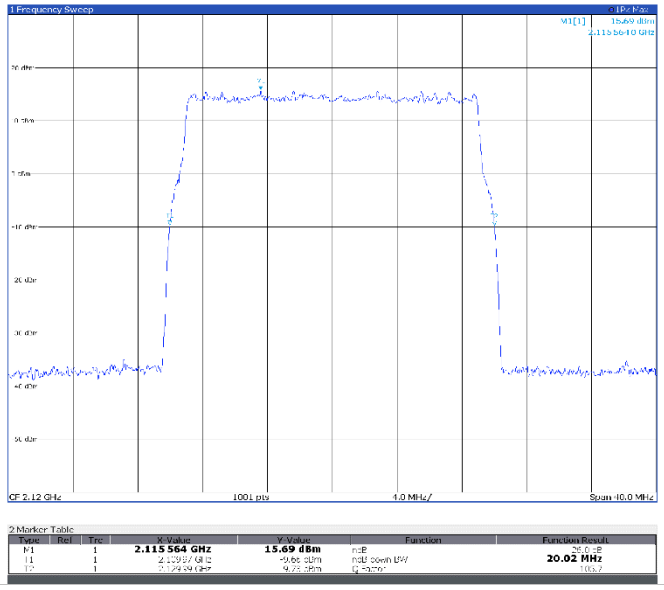
TM3p1, 20 MHz, mid channel



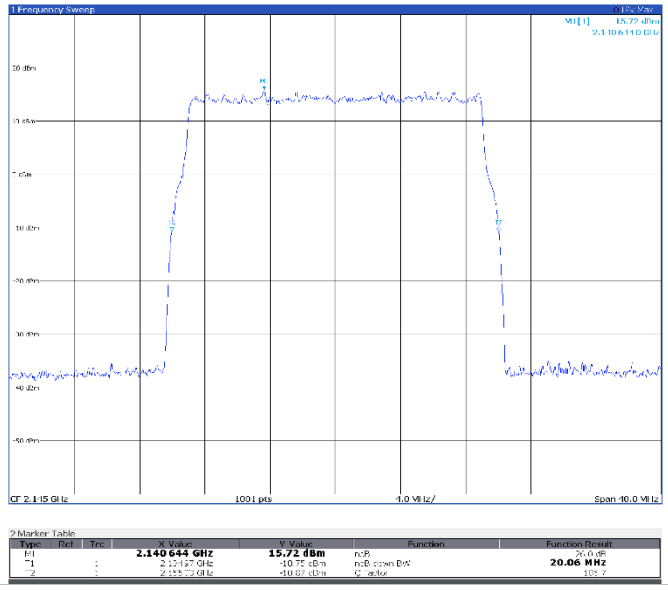
TM3p1, 20 MHz, high channel



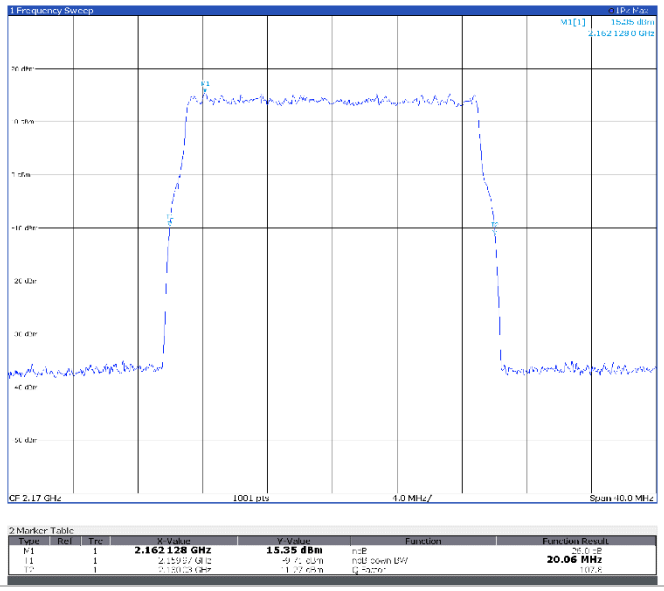
TM3p1a, 20 MHz, low channel



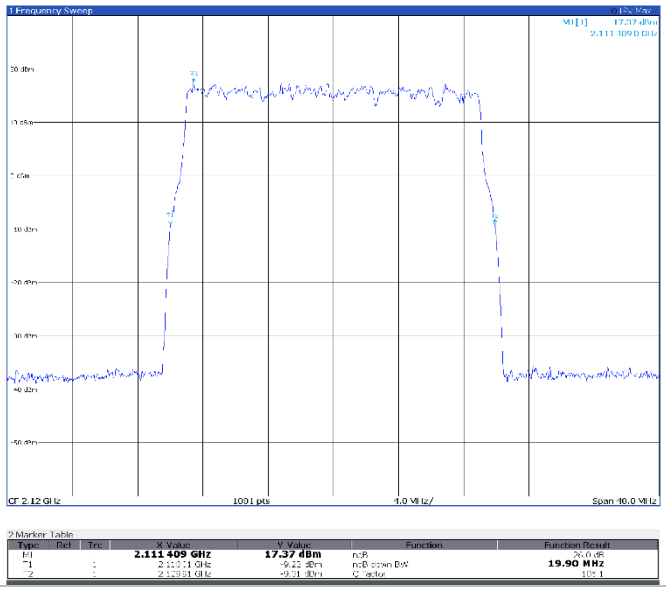
TM3p1a, 20 MHz, mid channel



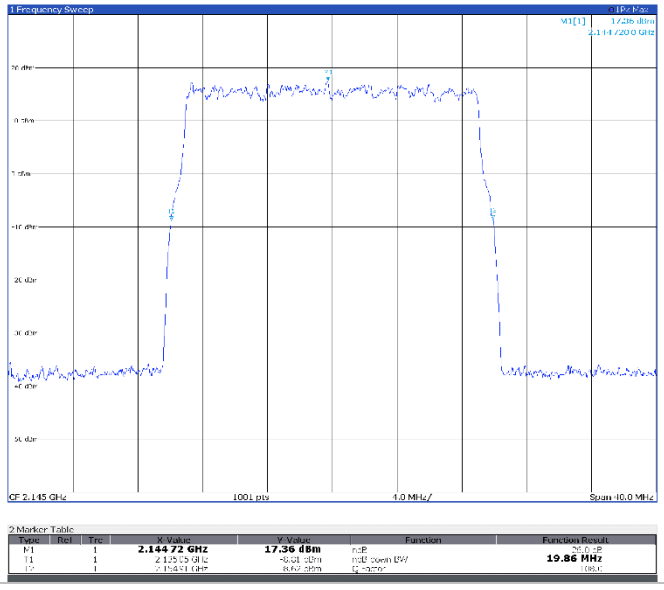
TM3p1a, 20 MHz, high channel



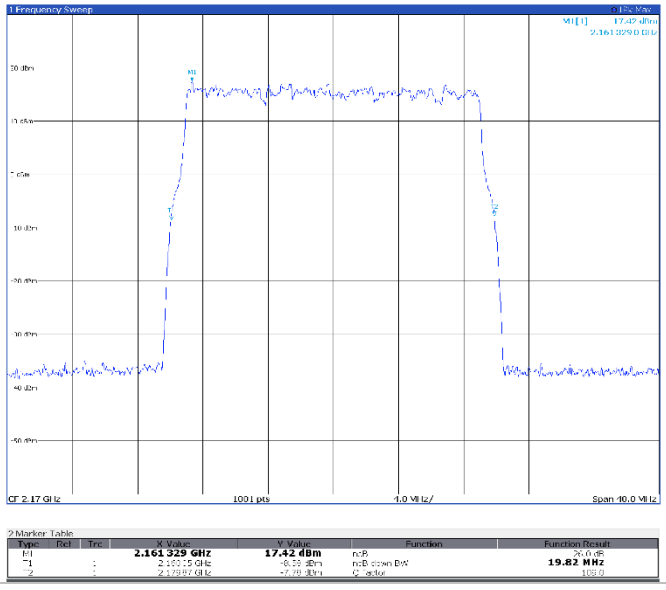
TM3p3, 20 MHz, low channel



TM3p3, 20 MHz, mid channel



TM3p3, 20 MHz, high channel



8.4 FCC 27.50(d)(2) Output power

8.4.1 Definitions and limits

(d) The following power and antenna height requirements apply to stations transmitting in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz and 2180-2200 MHz bands:

(1) The power of each fixed or base station transmitting in the 1995-2000 MHz, 2110-2155 MHz, 2155-2180 MHz or 2180-2200 MHz band and located in any county with population density of 100 or fewer persons per square mile, based upon the most recently available population statistics from the Bureau of the Census, is limited to:

(i) Click to open paragraph tools An equivalent isotropically radiated power (EIRP) of 3280 watts when transmitting with an emission bandwidth of 1 MHz or less;

(ii) An EIRP of 3280 watts/MHz when transmitting with an emission bandwidth greater than 1 MHz.

(2) The power of each fixed or base station transmitting in the 1995-2000 MHz, the 2110-2155 MHz 2155-2180 MHz band, or 2180-2200 MHz band and situated in any geographic location other than that described in paragraph (d)(1) of this section is limited to:

(i) An equivalent isotropically radiated power (EIRP) of 1640 watts when transmitting with an emission bandwidth of 1 MHz or less;

(ii) Click to open paragraph tools An EIRP of **1640 Watts/MHz**. (**62.15 dBm/MHz**) when transmitting with an emission bandwidth greater than 1 MHz.

8.4.2 Test summary

Test start date	September 3, 2024	Temperature	22 °C
Test end date	October 4, 2024	Air pressure	1001 mbar
Test engineer	O. Frau	Relative humidity	62%
Verdict	Pass		

8.4.3 Observations, settings and special notes

Test method: ANSI C63.26 Section 5.2.4.5

Spectrum analyzer settings:

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Frequency span	>= 1.5* OBW
Detector mode	Peak
Trace mode	Max Hold

This test was made across the conducted port and using a sensor power. An offset of 30 dB was added to the measurement to compensate the loss of the external 30 dB attenuator. Interconnecting cable losses were included as a transducer factor in the spectrum analyzer.

8.4.4 Test equipment used

Equipment	Manufacturer	Model no.	Asset no.
Spectrum Analyzer	Rohde & Schwarz	FSW43	101767

8.4.5 Test data

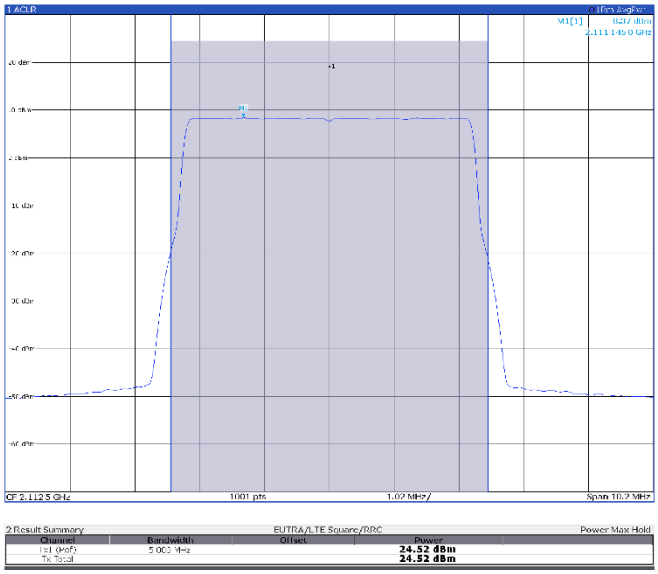
Band B66:

Modulation	OBW (MHz)	Frequency (MHz)	Measured Power Density (dBm/MHz) port 1	Measured Power Density (dBm/MHz) port 2	Antenna Gain Max (dBi)	Total EIRP Power Density (dBm/MHz)	Measured Power (dBm) port 1	Measured Power (dBm) port 2	Limits Power Density (dBm/MHz)	Margin (dB)
TM1.1	5	2112.5	8.37	8.08	5.7	16.94	24.52	24.41	62.1	-45.16
TM3p1	5	2112.5	8.34	8.31	5.7	17.04	24.47	24.66	62.1	-45.06
TM3p1a	5	2112.5	8.40	8.13	5.7	16.98	24.71	24.21	62.1	-45.12
TM3p3	5	2112.5	9.92	9.41	5.7	18.38	24.66	24.19	62.1	-43.72
TM1.1	5	2145.0	8.20	7.82	5.7	16.72	24.43	24.05	62.1	-45.38
TM3p1	5	2145.0	8.63	7.90	5.7	16.99	24.68	23.98	62.1	-45.11
TM3p1a	5	2145.0	8.46	7.97	5.7	16.93	24.57	24.02	62.1	-45.17
TM3p3	5	2145.0	9.70	9.30	5.7	18.21	24.39	23.89	62.1	-43.89
TM1.1	5	2177.5	8.35	7.64	5.7	16.72	24.55	24.45	62.1	-45.38
TM3p1	5	2177.5	8.42	7.76	5.7	16.81	24.51	24.37	62.1	-45.29
TM3p1a	5	2177.5	8.44	7.73	5.7	16.81	24.48	23.82	62.1	-45.29
TM3p3	5	2177.5	9.38	9.10	5.7	17.95	23.98	23.75	62.1	-44.15
TM1.1	10	2115.0	5.40	5.11	5.7	13.97	24.74	24.33	62.1	-48.13
TM3p1	10	2115.0	5.41	5.17	5.7	14.00	24.50	24.27	62.1	-48.10
TM3p1a	10	2115.0	5.49	5.04	5.7	13.98	24.66	24.12	62.1	-48.12
TM3p3	10	2115.0	7.12	6.46	5.7	15.51	24.70	24.14	62.1	-46.59
TM1.1	10	2145.0	5.15	4.74	5.7	13.66	24.66	24.06	62.1	-48.44
TM3p1	10	2145.0	5.42	4.75	5.7	13.81	24.56	23.82	62.1	-48.29
TM3p1a	10	2145.0	5.29	5.05	5.7	13.88	24.38	24.10	62.1	-48.22
TM3p3	10	2145.0	7.02	6.55	5.7	15.50	24.53	24.08	62.1	-46.60
TM1.1	10	2175.0	4.92	4.46	5.7	13.41	24.23	23.66	62.1	-48.69
TM3p1	10	2175.0	5.26	4.68	5.7	13.69	24.43	23.78	62.1	-48.41
TM3p1a	10	2175.0	5.12	4.66	5.7	13.61	24.24	23.70	62.1	-48.49
TM3p3	10	2175.0	6.86	6.14	5.7	15.23	24.36	23.69	62.1	-46.87
TM1.1	15	2117.5	4.29	3.71	5.7	12.72	25.17	24.64	62.1	-49.38
TM3p1	15	2117.5	3.57	3.52	5.7	12.26	24.56	24.17	62.1	-49.84
TM3p1a	15	2117.5	3.85	3.38	5.7	12.33	24.71	21.14	62.1	-49.77
TM3p3	15	2117.5	4.81	4.71	5.7	13.47	24.51	24.09	62.1	-48.63
TM1.1	15	2145.0	3.54	3.33	5.7	12.15	24.58	24.21	62.1	-49.95
TM3p1	15	2145.0	3.60	3.23	5.7	12.13	24.48	24.05	62.1	-49.97
TM3p1a	15	2145.0	3.78	3.30	5.7	12.26	24.62	24.02	62.1	-49.84
TM3p3	15	2145.0	4.99	4.38	5.7	13.41	24.51	23.95	62.1	-48.69
TM1.1	15	2172.5	3.39	2.79	5.7	11.81	24.38	23.74	62.1	-50.29
TM3p1	15	2172.5	3.50	3.01	5.7	11.97	24.38	23.66	62.1	-50.13
TM3p1a	15	2172.5	3.47	2.88	5.7	11.90	24.33	23.66	62.1	-50.20
TM3p3	15	2172.5	4.85	4.03	5.7	13.17	24.39	23.54	62.1	-48.93
TM1.1	20	2120.0	2.39	2.01	5.7	10.91	24.66	24.03	62.1	-51.19
TM3p1	20	2120.0	2.53	2.17	5.7	11.06	24.64	24.12	62.1	-51.04
TM3p1a	20	2120.0	2.47	2.08	5.7	10.99	24.50	24.05	62.1	-51.11
TM3p3	20	2120.0	4.26	3.71	5.7	12.70	24.40	23.95	62.1	-49.40
TM1.1	20	2145.0	2.32	1.86	5.7	10.81	24.56	23.85	62.1	-51.29
TM3p1	20	2145.0	2.32	1.87	5.7	10.81	24.47	23.87	62.1	-51.29
TM3p1a	20	2145.0	2.44	1.95	5.7	10.91	24.56	23.98	62.1	-51.19
TM3p3	20	2145.0	4.21	3.72	5.7	12.68	24.39	24.84	62.1	-49.42
TM1.1	20	2170.0	2.27	1.66	5.7	10.69	24.44	23.66	62.1	-51.41
TM3p1	20	2170.0	2.45	1.80	5.7	10.85	24.53	23.75	62.1	-51.25
TM3p1a	20	2170.0	2.46	1.79	5.7	10.85	24.52	23.73	62.1	-51.25
TM3p3	20	2170.0	4.19	3.34	5.7	12.50	24.37	23.56	62.1	-49.60

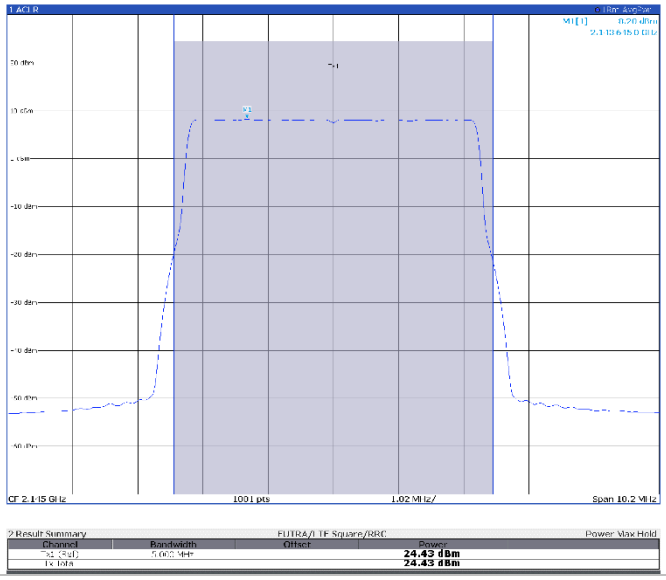
Antenna port 1

Band B66	**5 MHz**

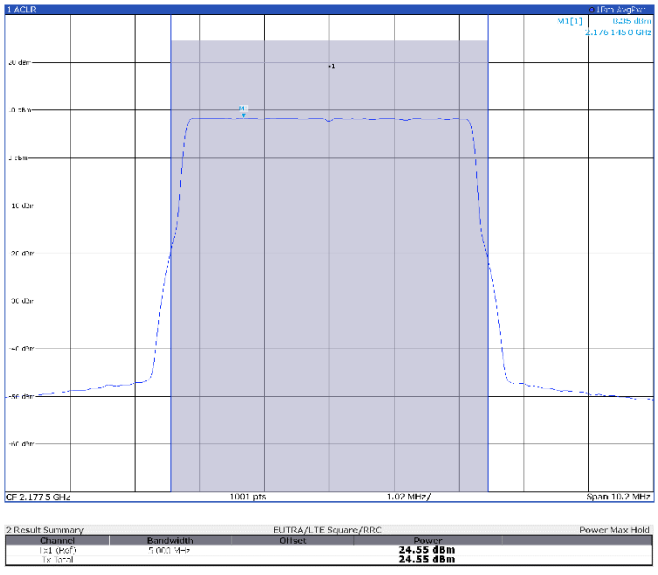
TM1.1, 5 MHz, low channel



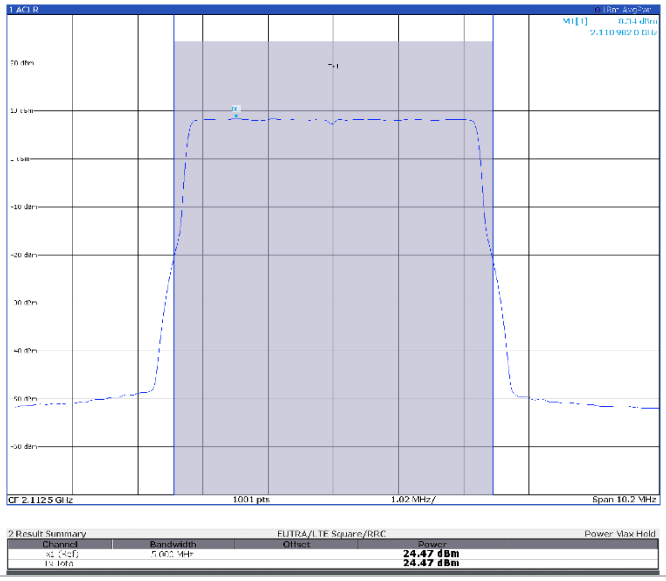
TM1.1, 5 MHz, mid channel



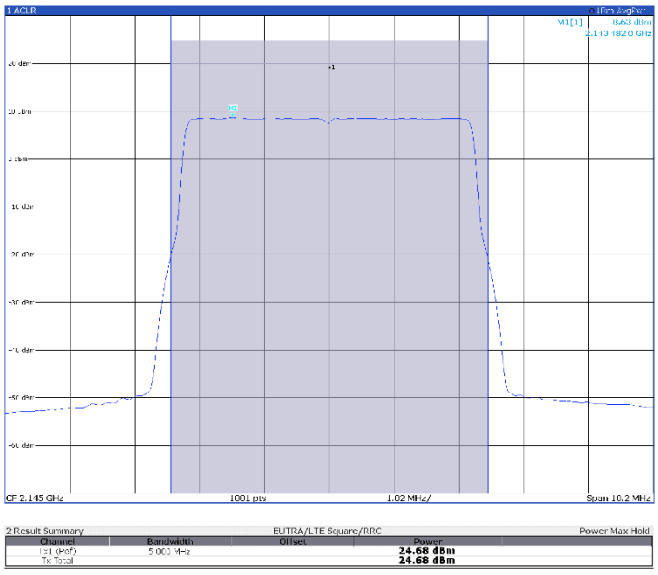
TM1.1, 5 MHz, high channel



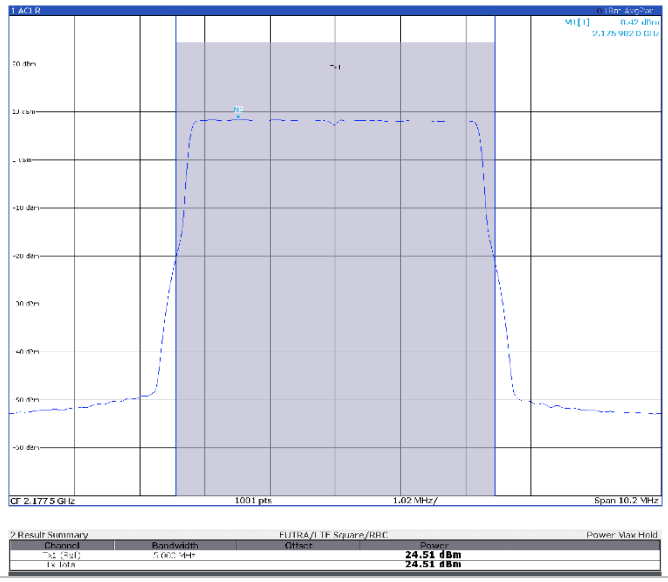
TM3p1, 5 MHz, low channel



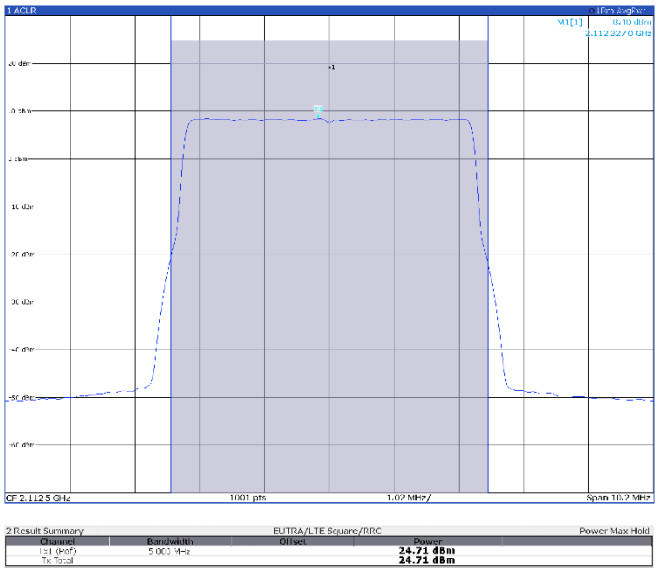
TM3p1, 5 MHz, mid channel



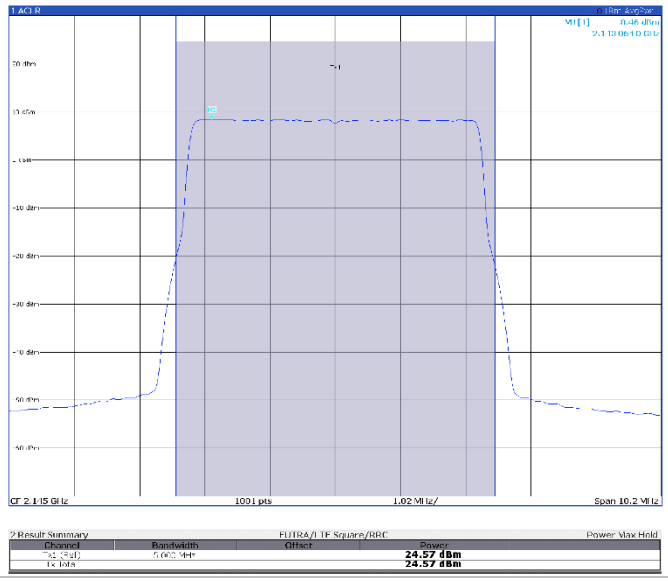
TM3p1, 5 MHz, high channel



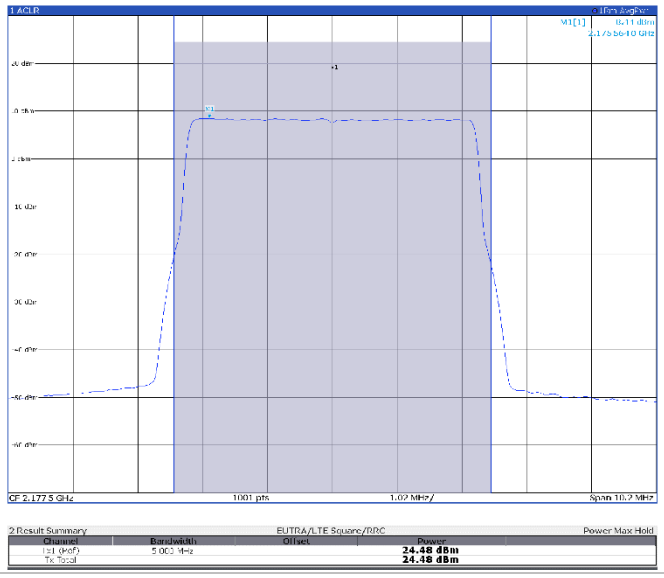
TM3p1a, 5 MHz, low channel



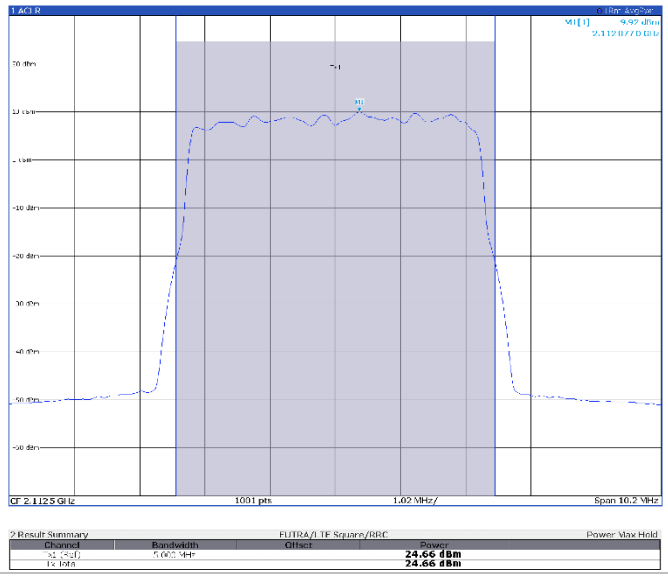
TM3p1a, 5 MHz, mid channel



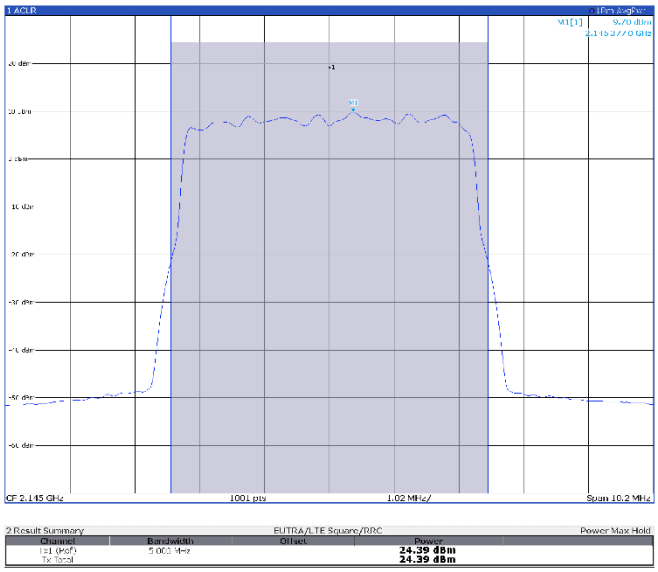
TM3p1a, 5 MHz, high channel



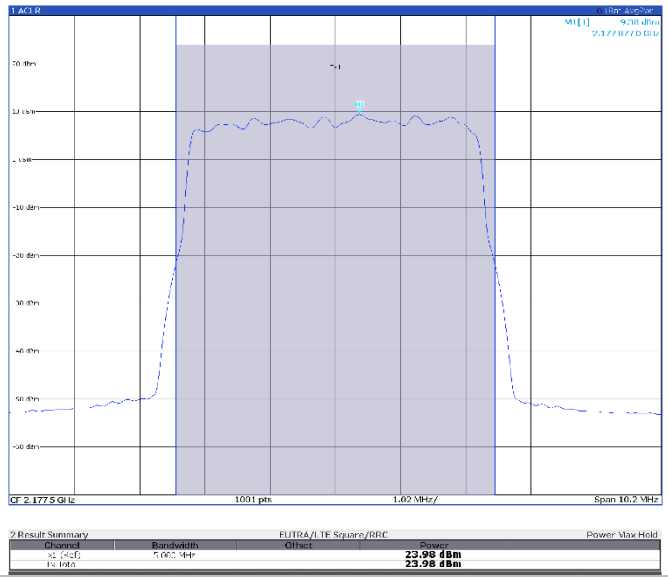
TM3p3, 5 MHz, low channel



TM3p3, 5 MHz, mid channel

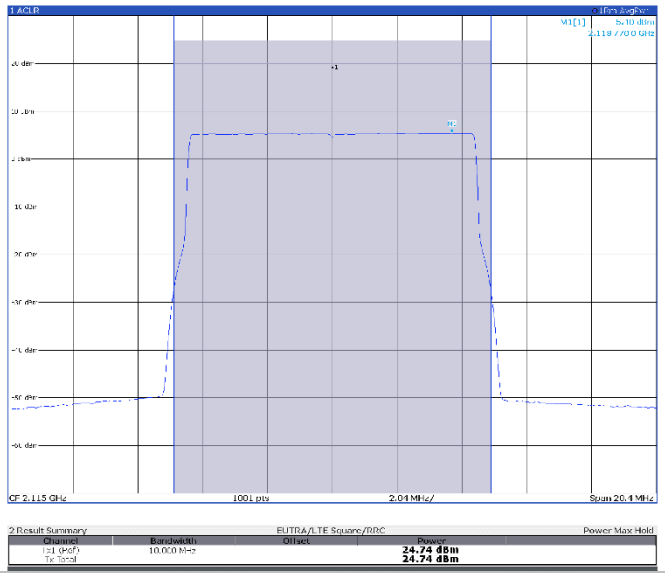


TM3p3, 5 MHz, high channel

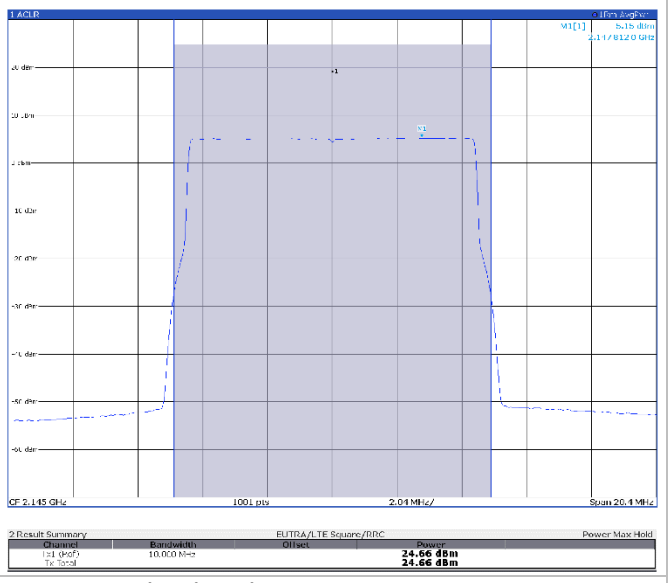


Band B66	10 MHz

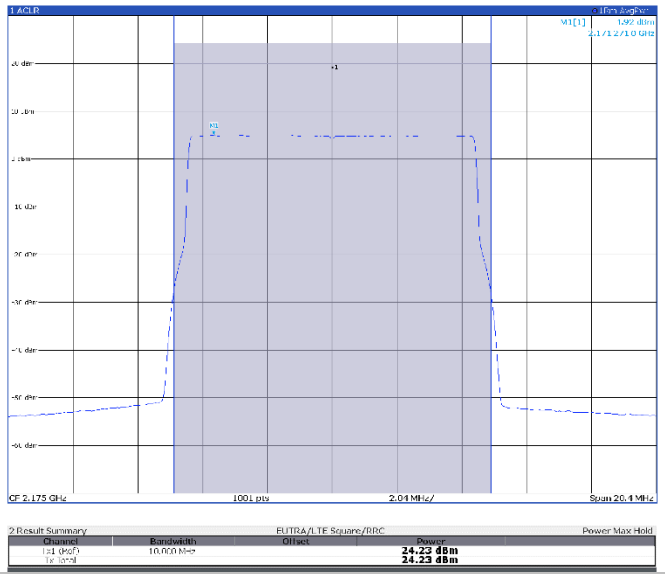
TM1.1, 10 MHz, low channel



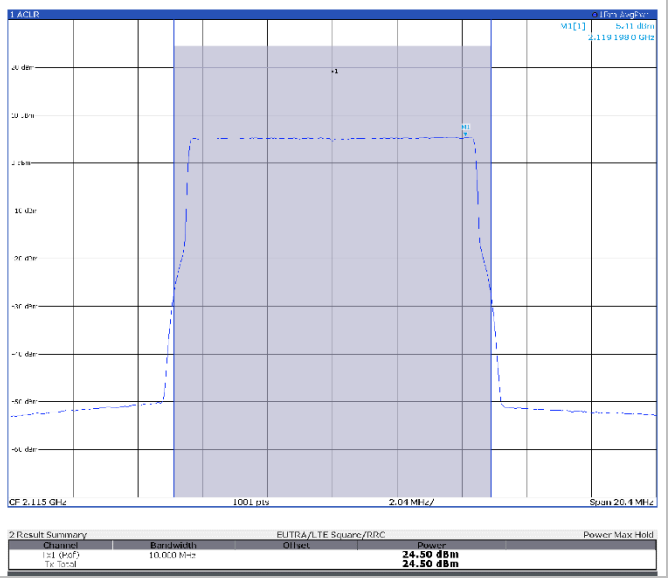
TM1.1, 10 MHz, mid channel



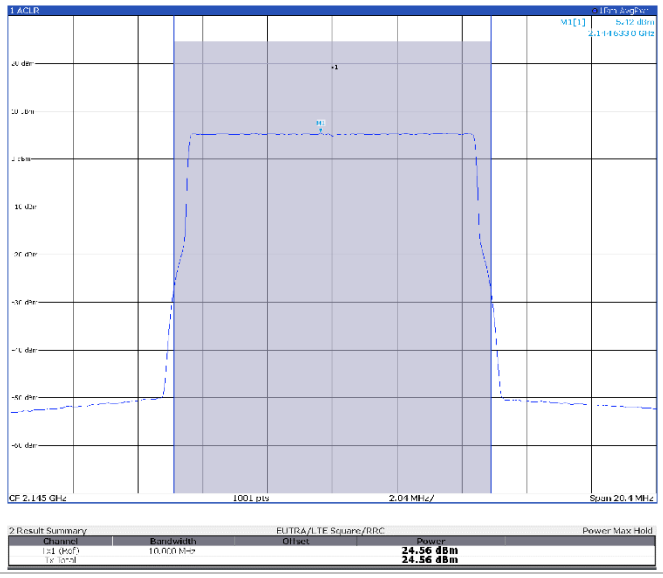
TM1.1, 10 MHz, high channel



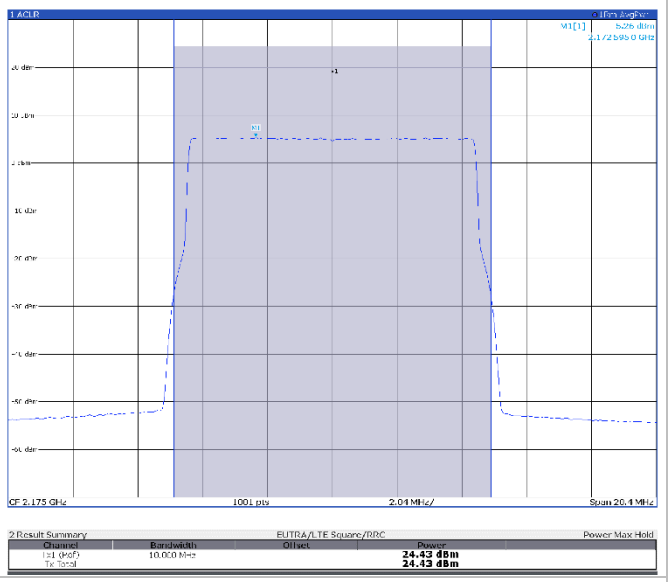
TM3p1, 10 MHz, low channel



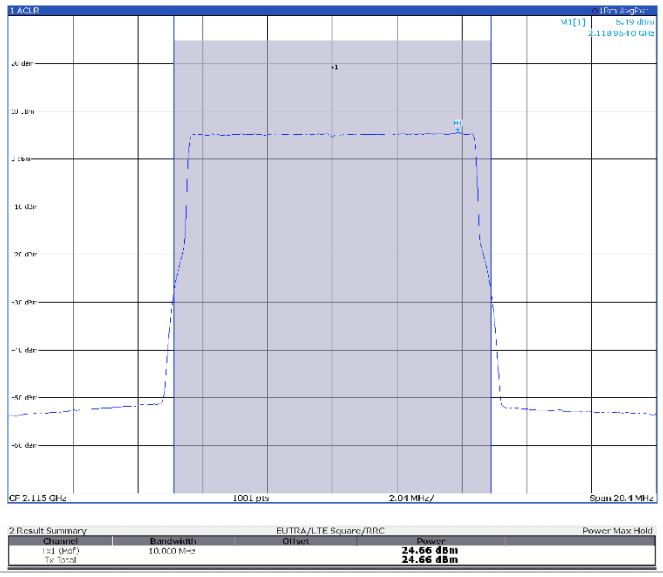
TM3p1, 10 MHz, mid channel



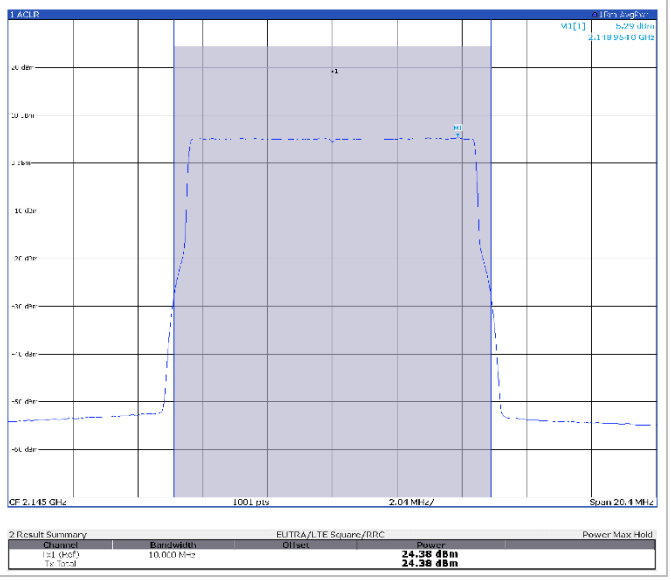
TM3p1, 10 MHz, high channel



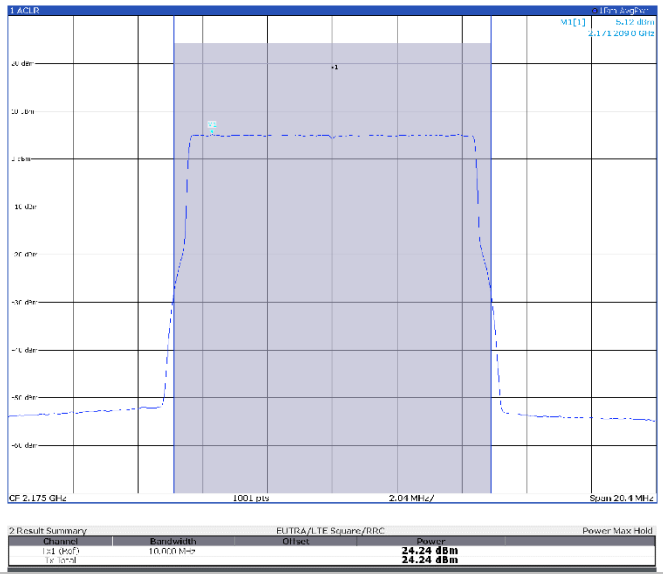
TM3p1a, 10 MHz, low channel



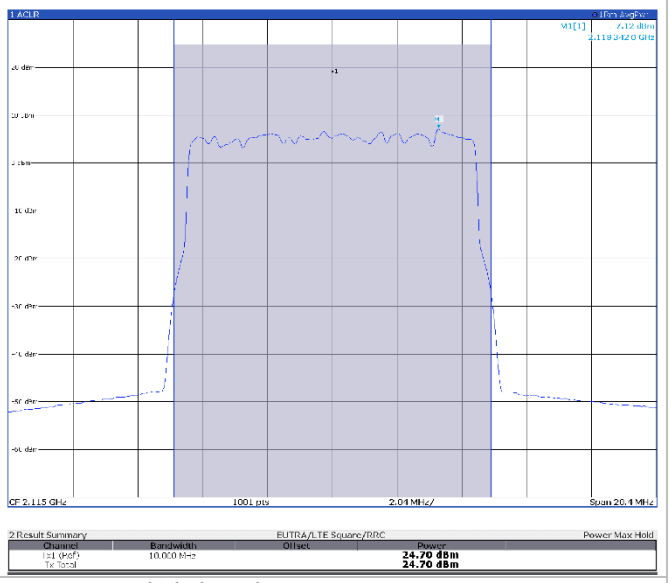
TM3p1a, 10 MHz, mid channel



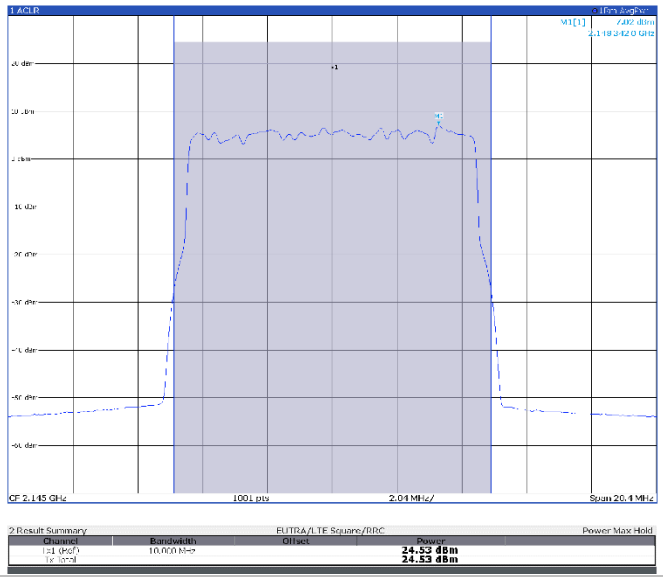
TM3p1a, 10 MHz, high channel



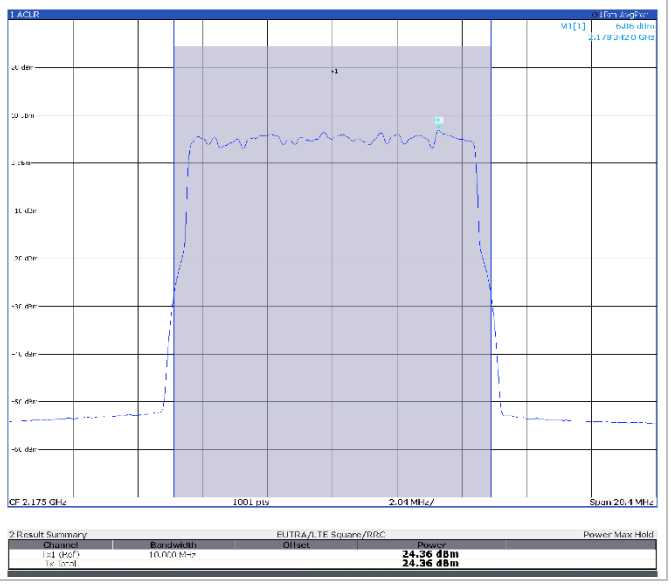
TM3p3, 10 MHz, low channel



TM3p3, 10 MHz, mid channel

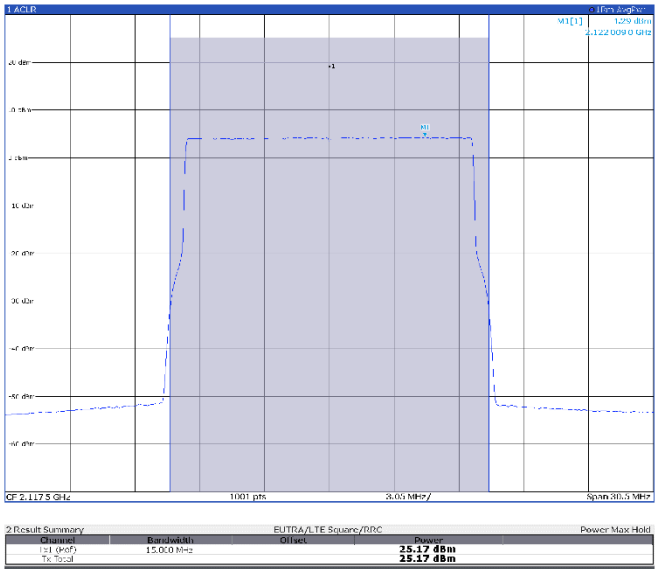


TM3p3, 10 MHz, high channel

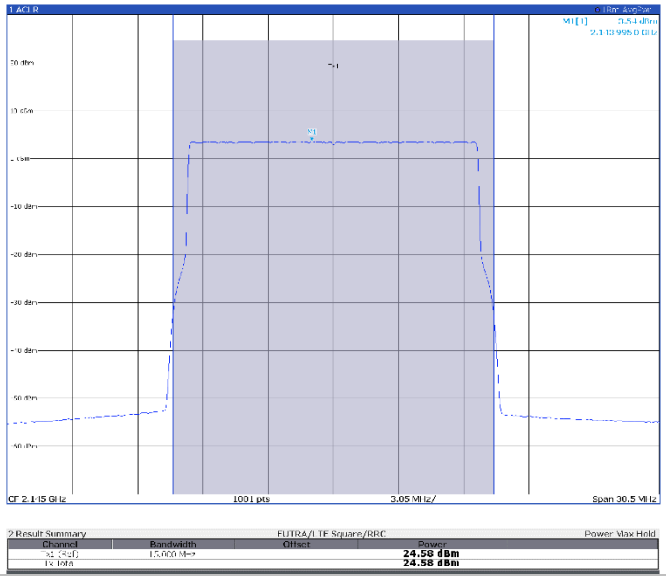


Band B66 **15 MHz**

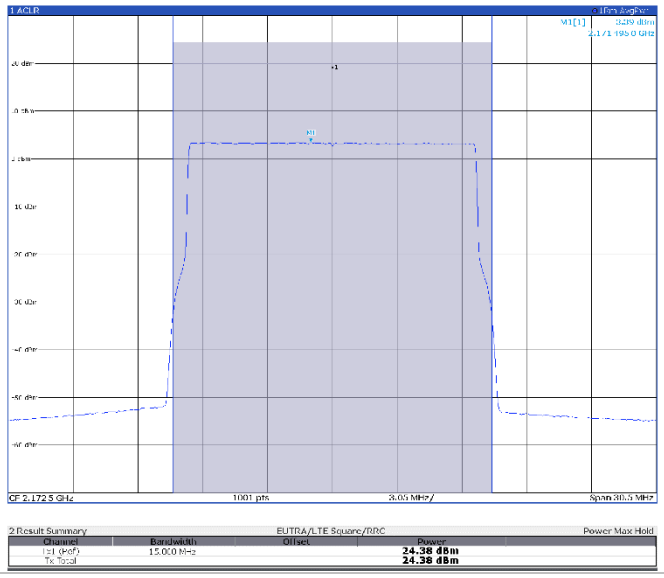
TM1.1, 15 MHz, low channel



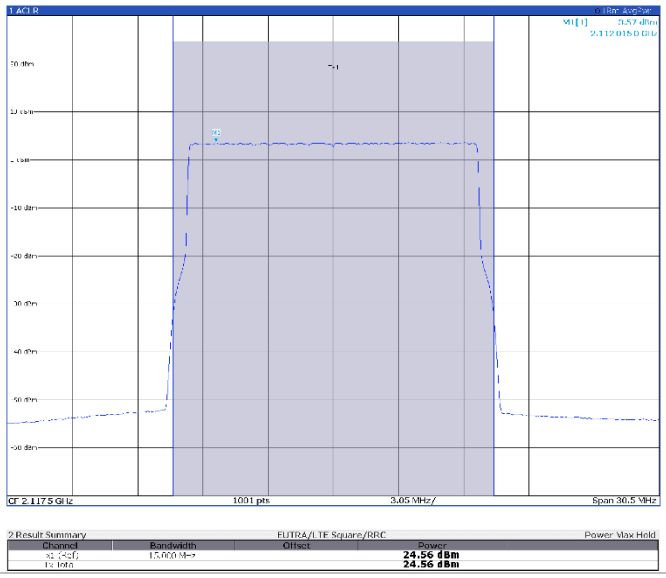
TM1.1, 15 MHz, mid channel



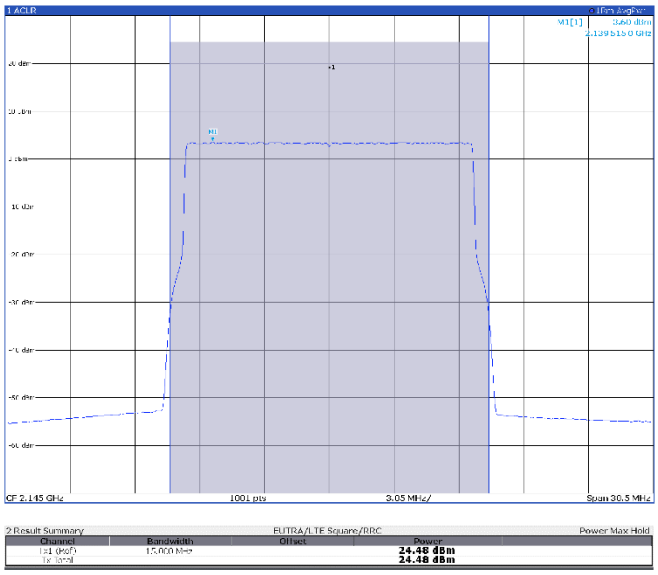
TM1.1, 15 MHz, high channel



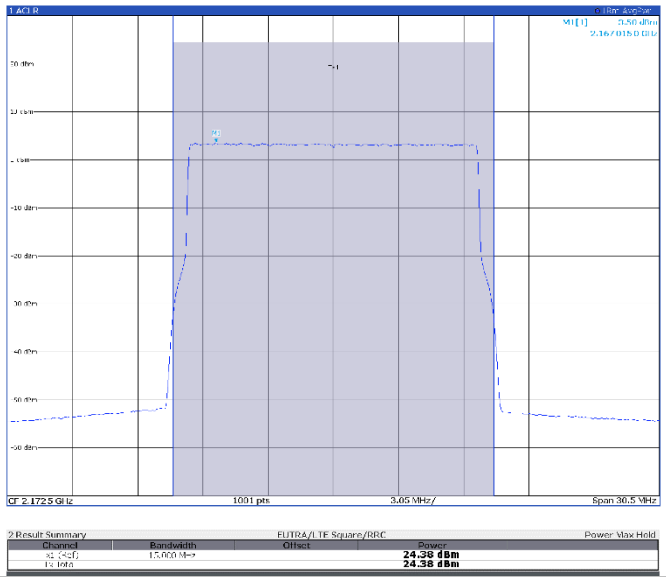
TM3p1, 15 MHz, low channel



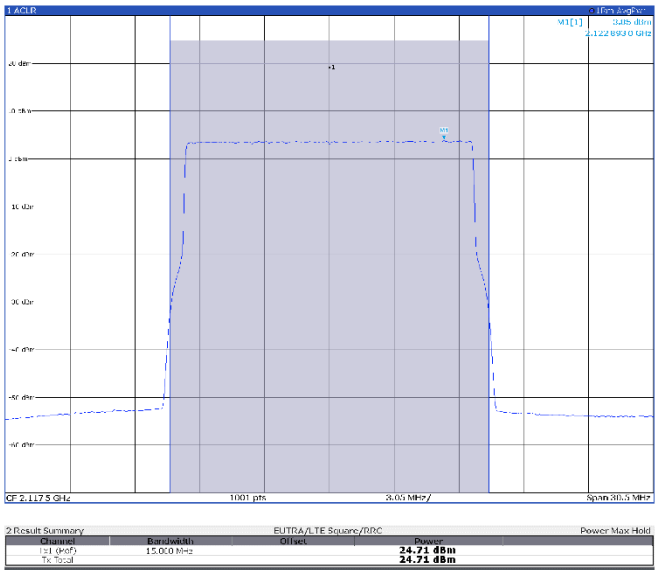
TM3p1, 15 MHz, mid channel



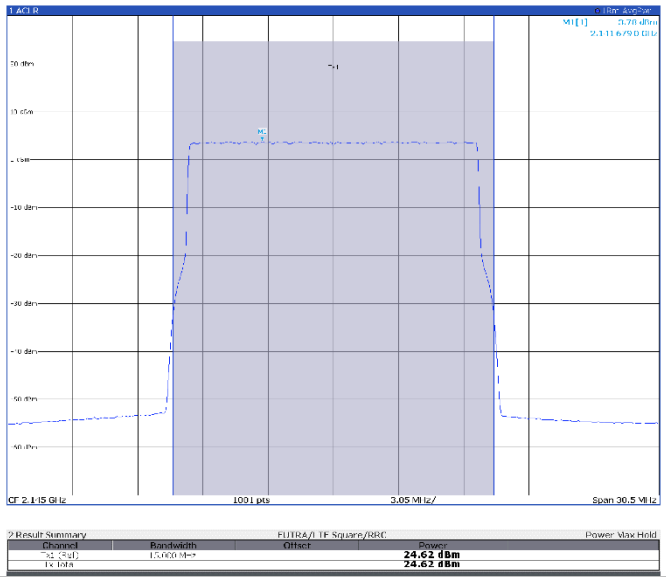
TM3p1, 15 MHz, high channel



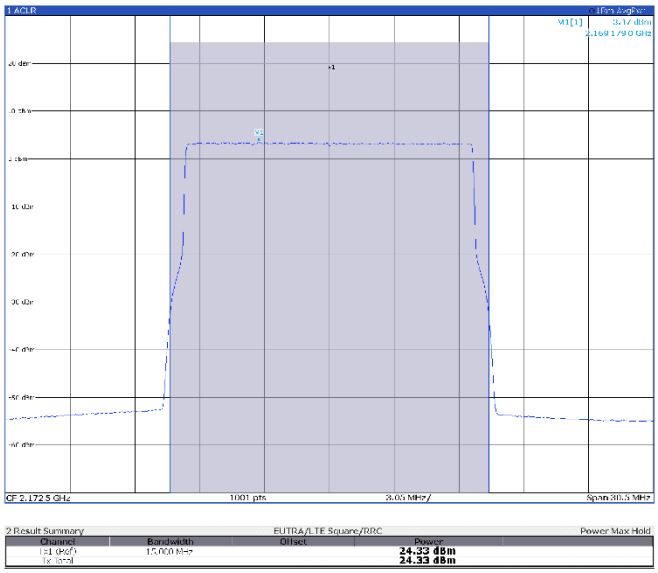
TM3p1a, 15 MHz, low channel



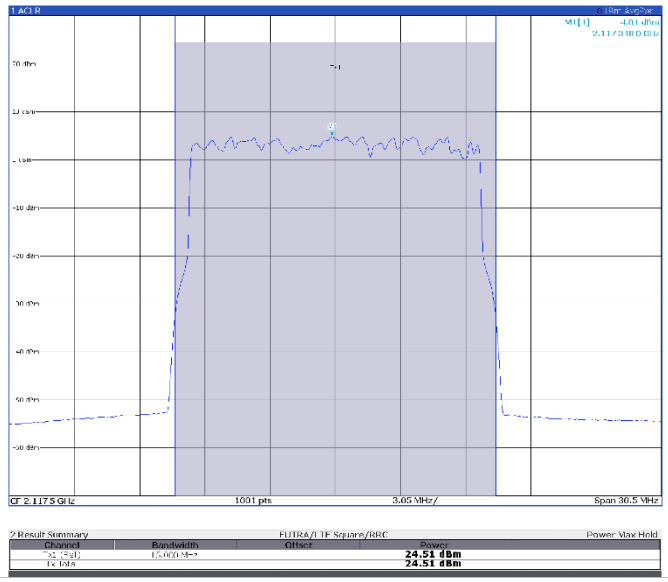
TM3p1a, 15 MHz, mid channel



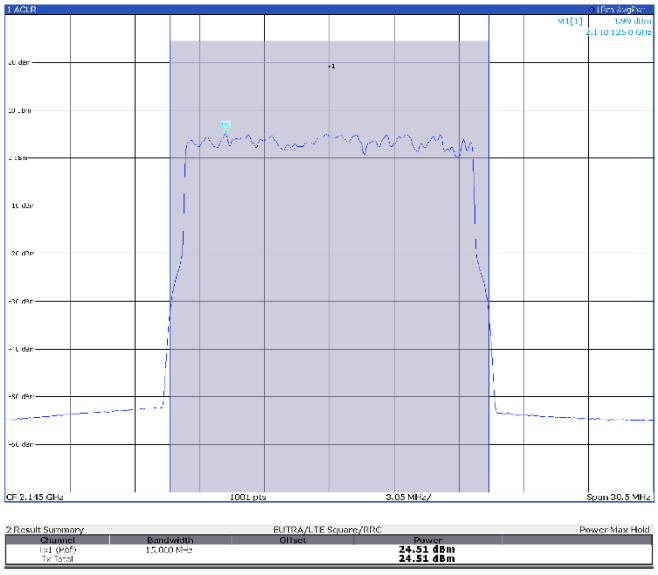
TM3p1a, 15 MHz, high channel



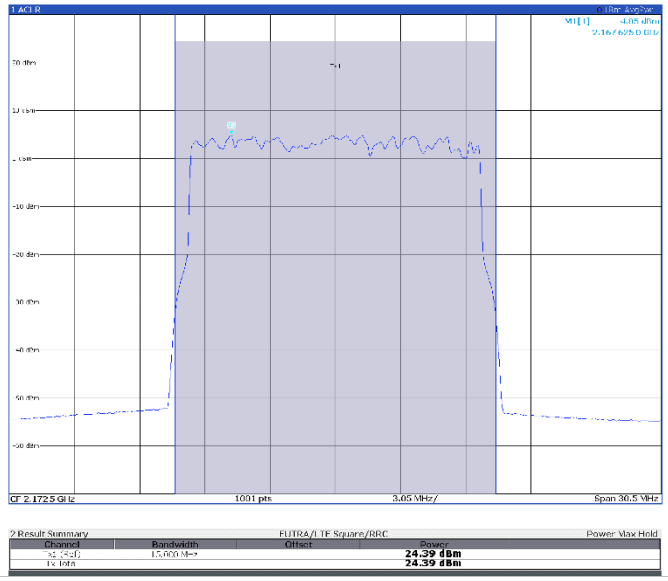
TM3p3, 15 MHz, low channel



TM3p3, 15 MHz, mid channel

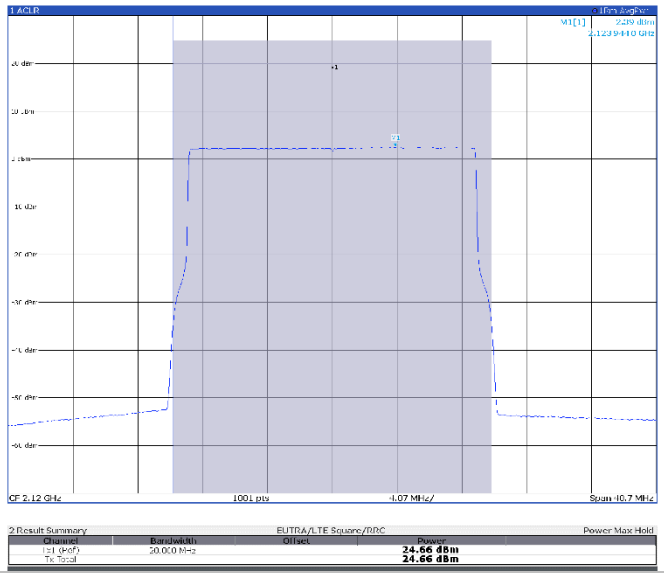


TM3p3, 15 MHz, high channel

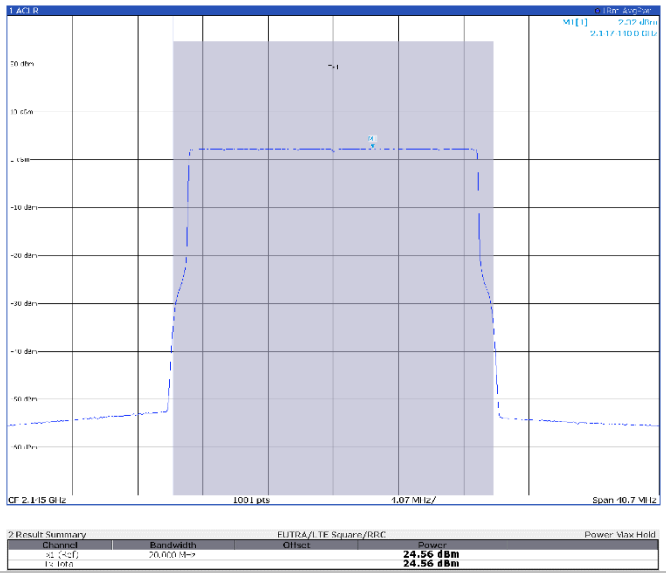


Band B66	20 MHz

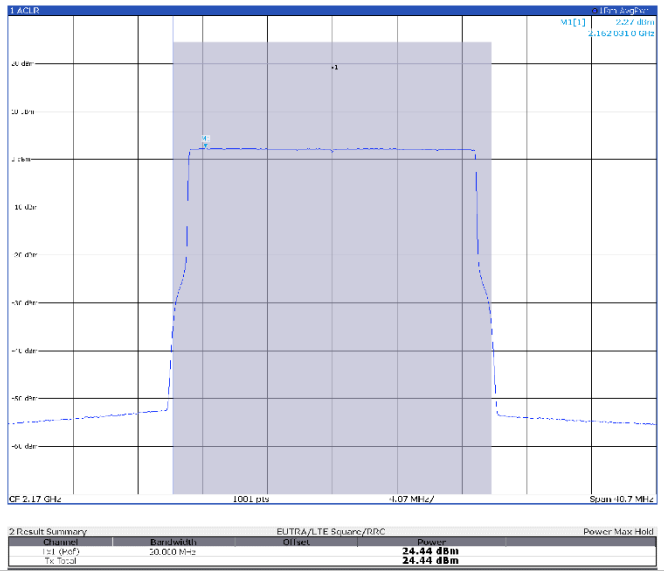
TM1.1, 20 MHz, low channel



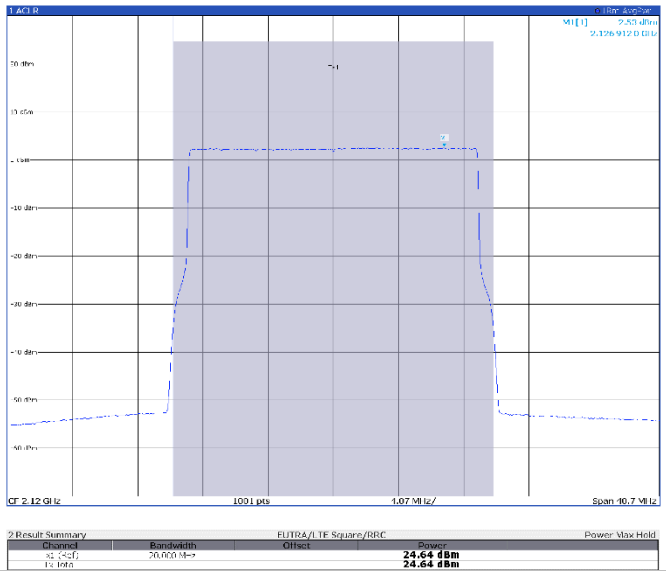
TM1.1, 20 MHz, mid channel



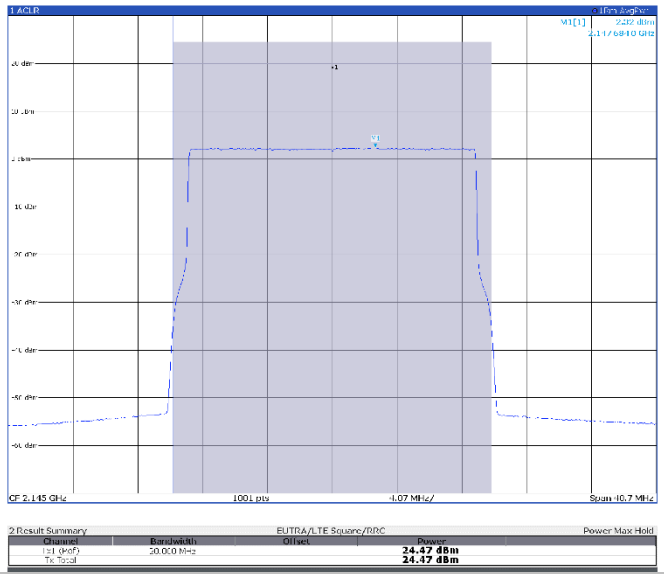
TM1.1, 20 MHz, high channel



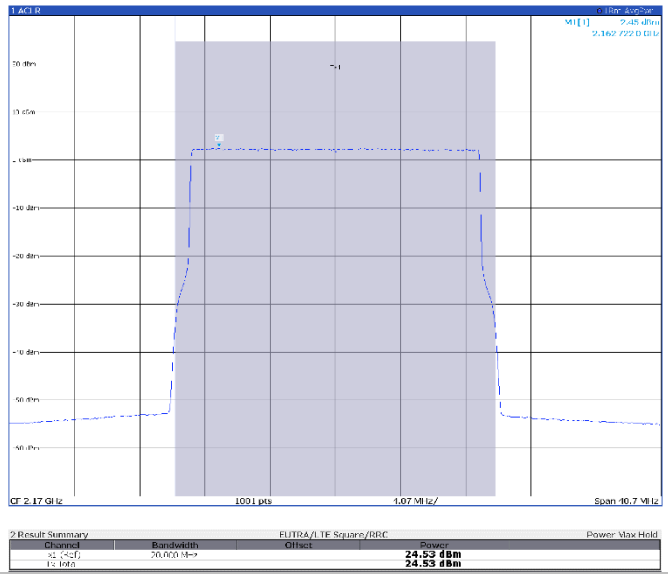
TM3p1, 20 MHz, low channel



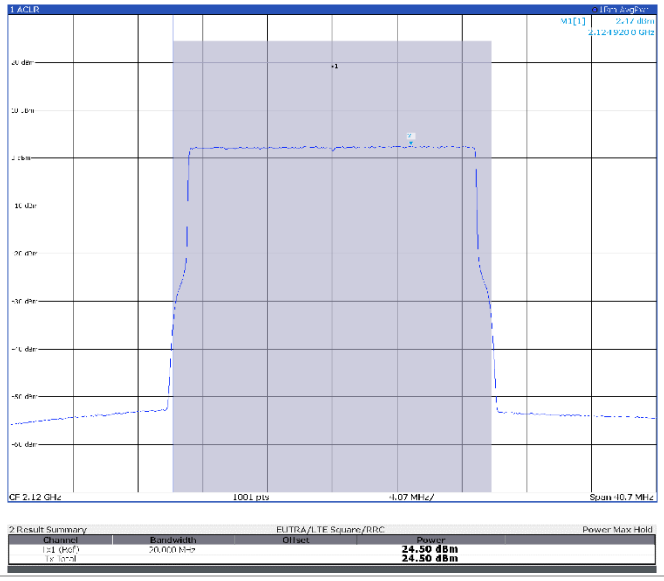
TM3p1, 20 MHz, mid channel



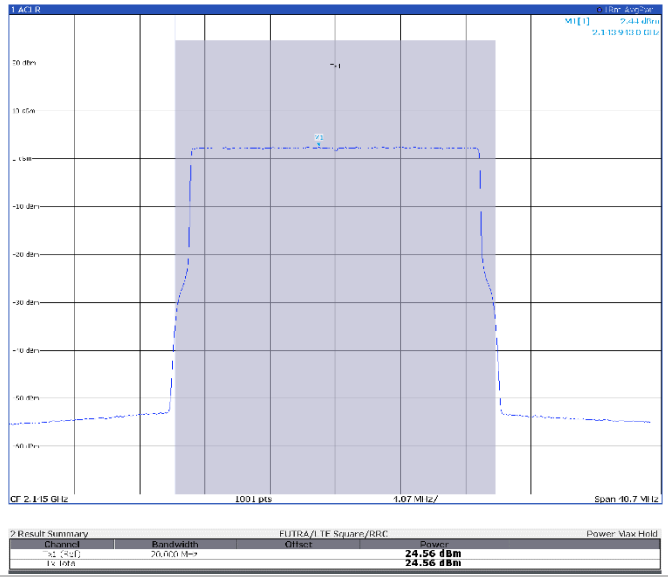
TM3p1, 20 MHz, high channel



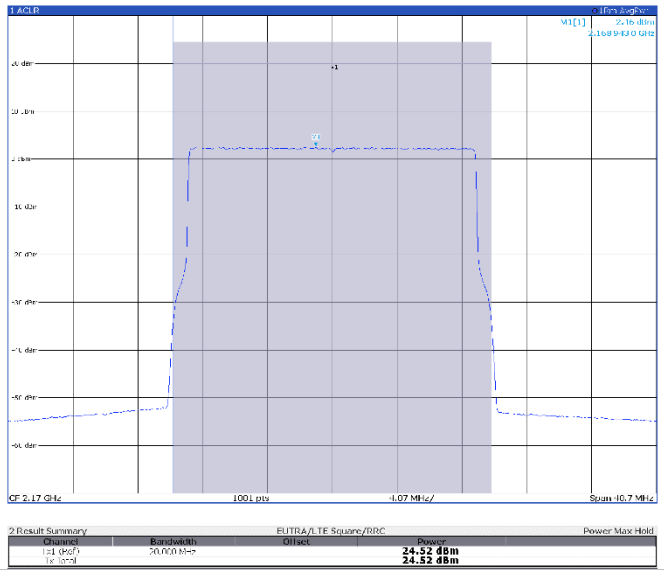
TM3p1a, 20 MHz, low channel



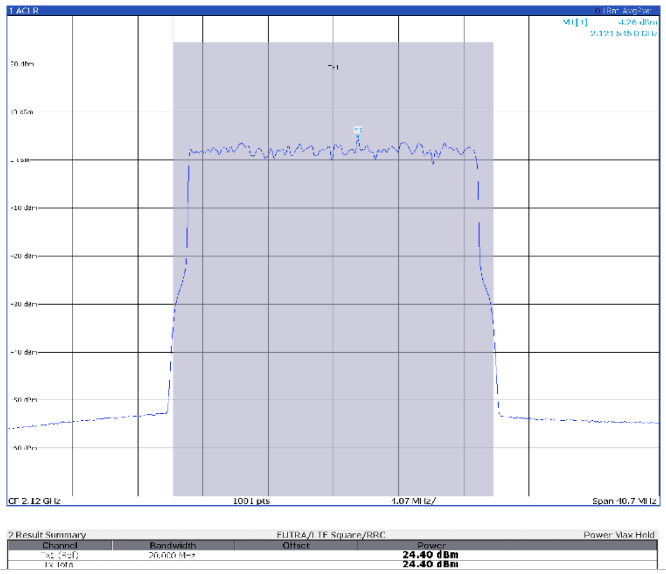
TM3p1a, 20 MHz, mid channel



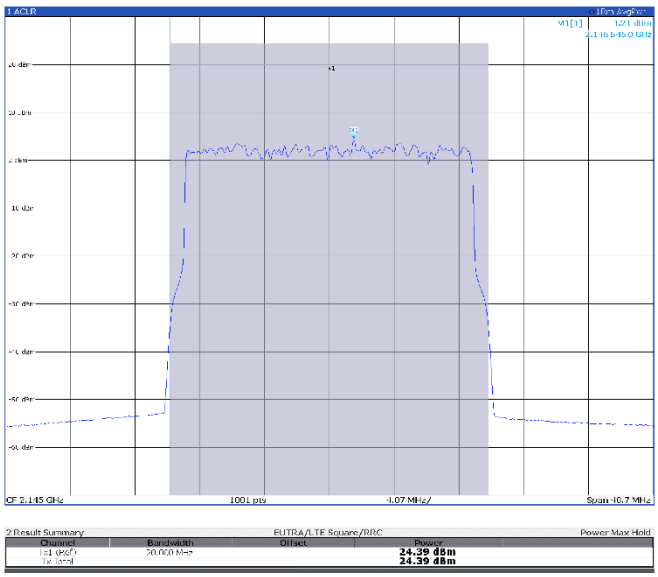
TM3p1a, 20 MHz, high channel



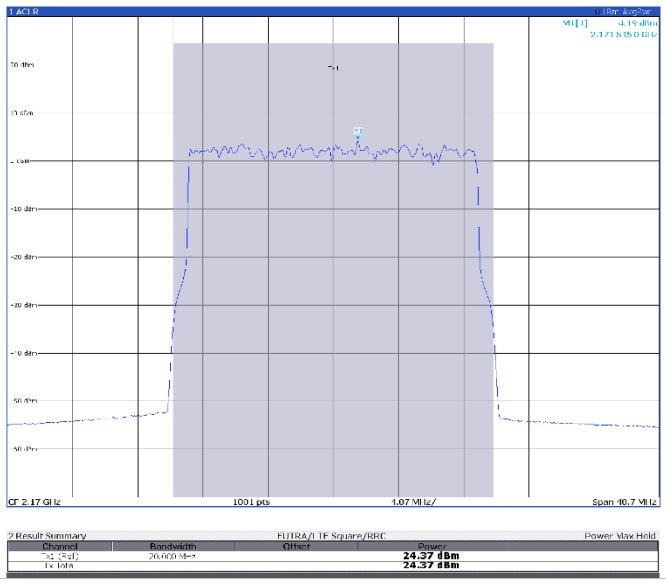
TM3p3, 20 MHz, low channel



TM3p3, 20 MHz, mid channel



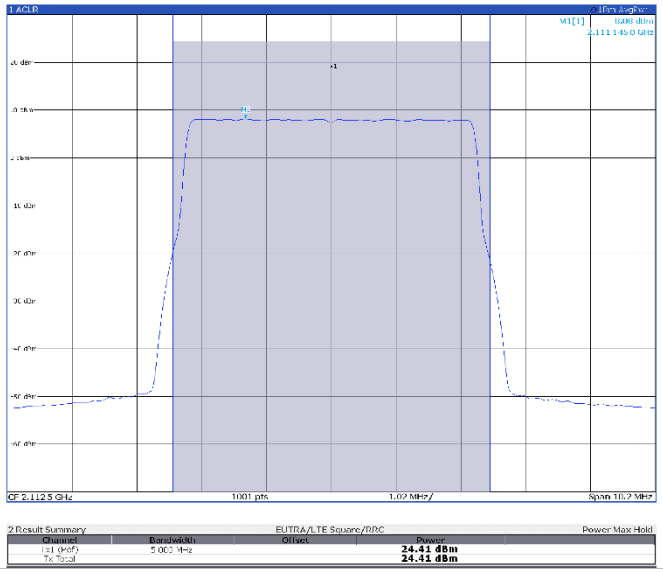
TM3p3, 20 MHz, high channel



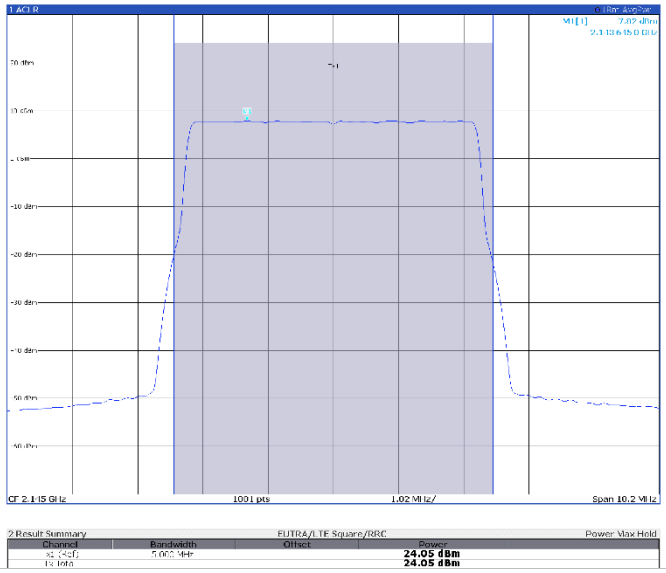
Antenna port 2

Band B66	**5 MHz**

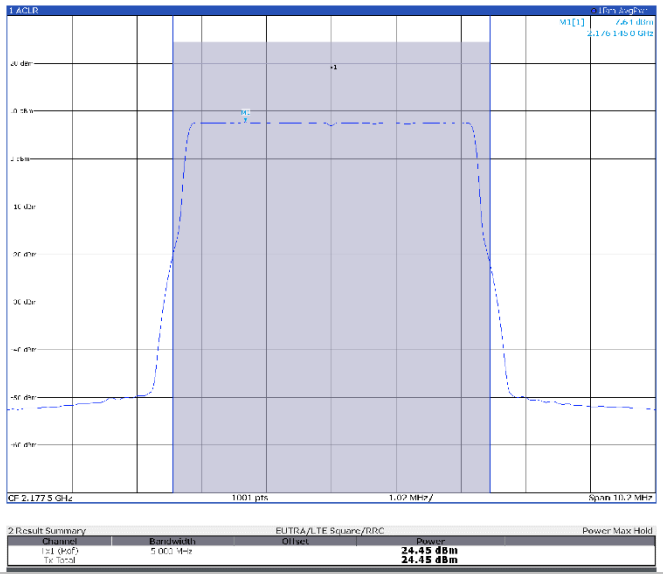
TM1.1, 5 MHz, low channel



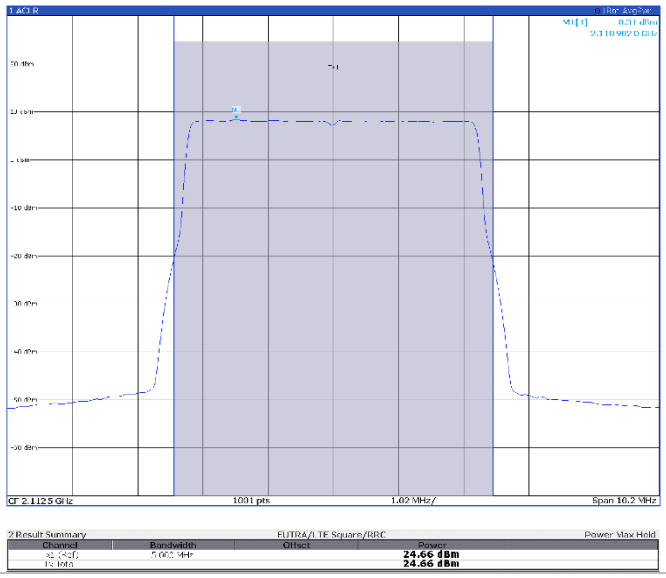
TM1.1, 5 MHz, mid channel



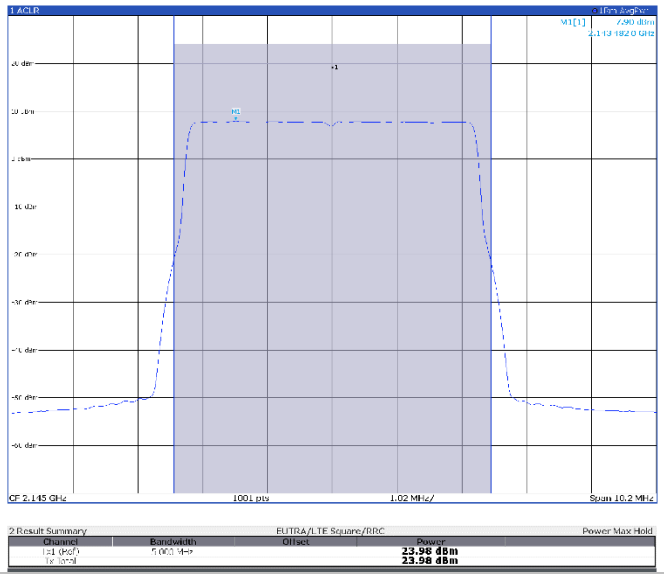
TM1.1, 5 MHz, high channel



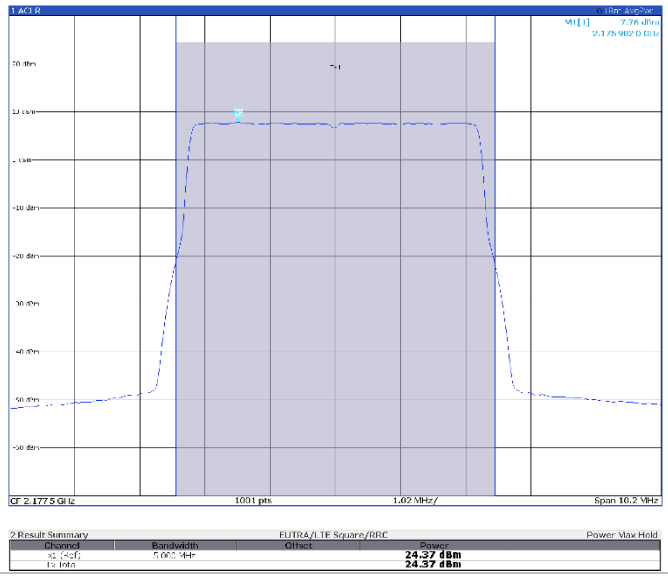
TM3p1, 5 MHz, low channel



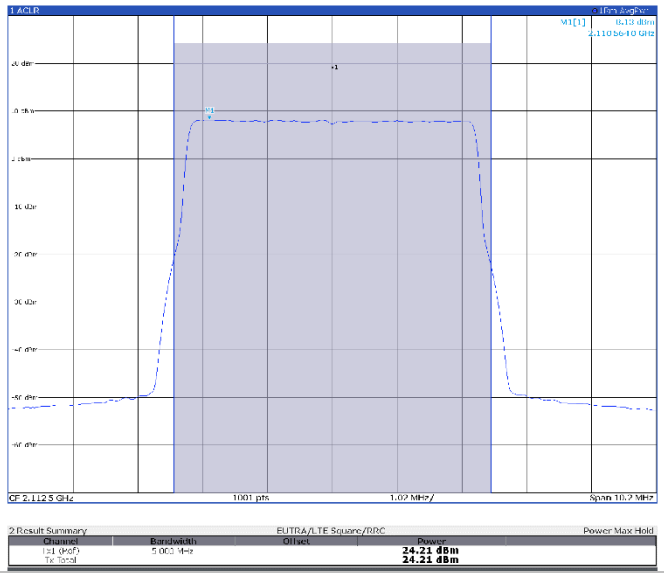
TM3p1, 5 MHz, mid channel



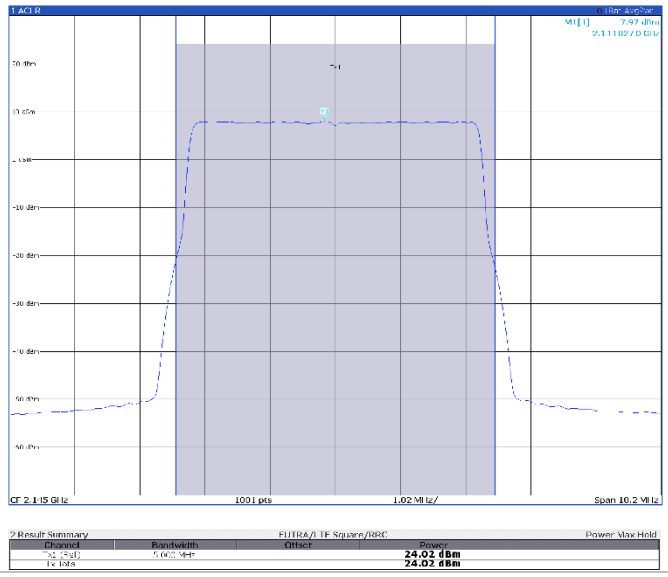
TM3p1, 5 MHz, high channel



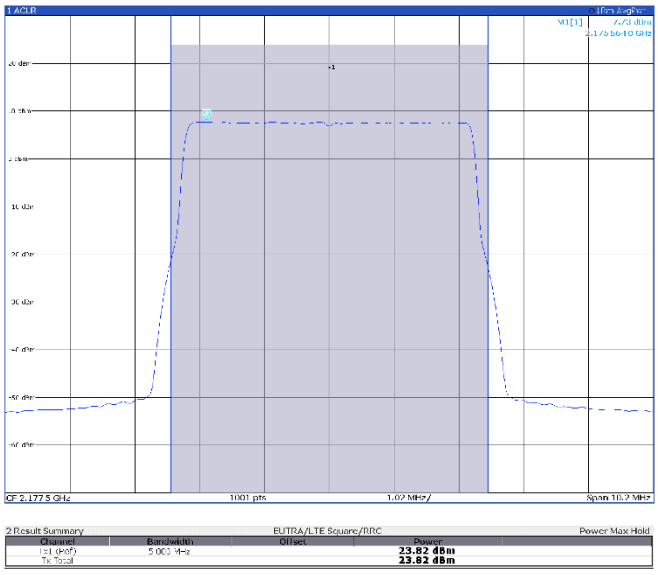
TM3p1a, 5 MHz, low channel



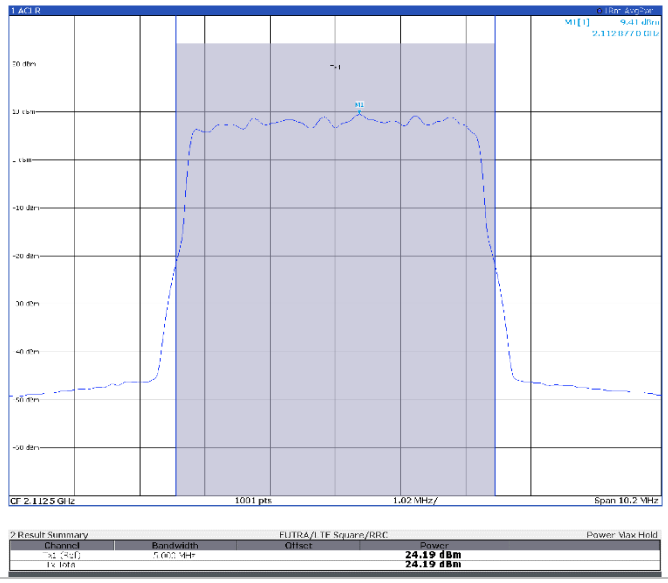
TM3p1a, 5 MHz, mid channel



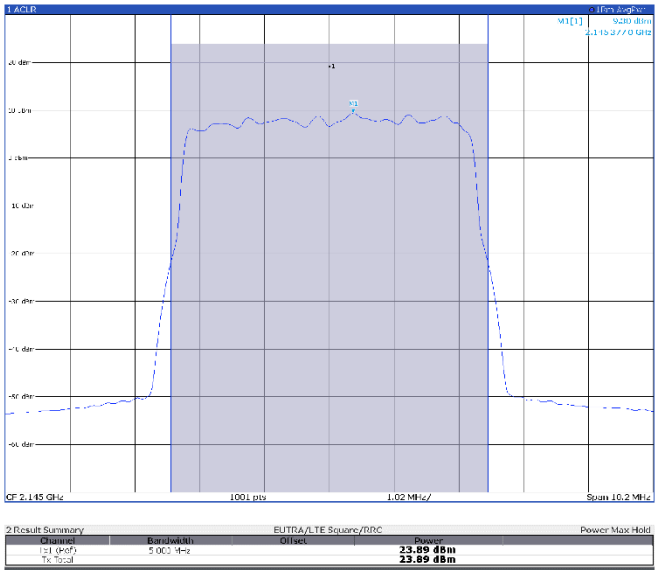
TM3p1a, 5 MHz, high channel



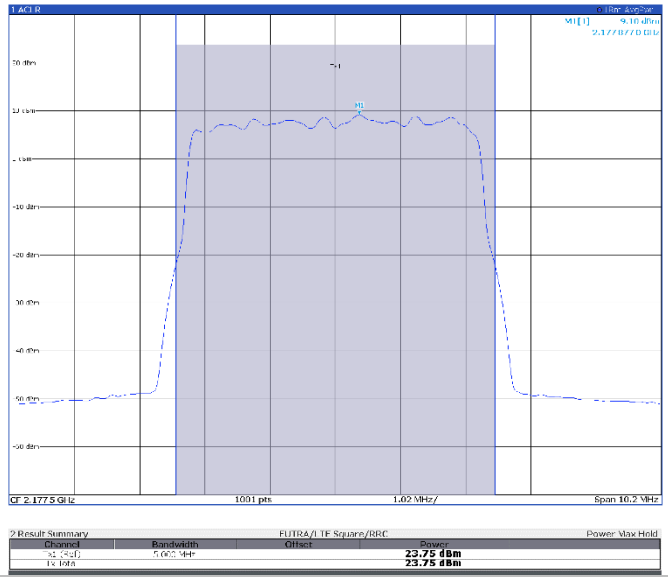
TM3p3, 5 MHz, low channel



TM3p3, 5 MHz, mid channel

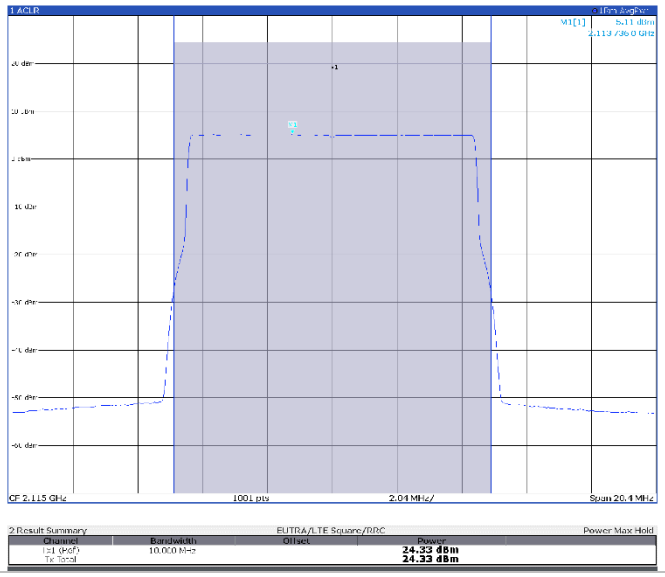


TM3p3, 5 MHz, high channel

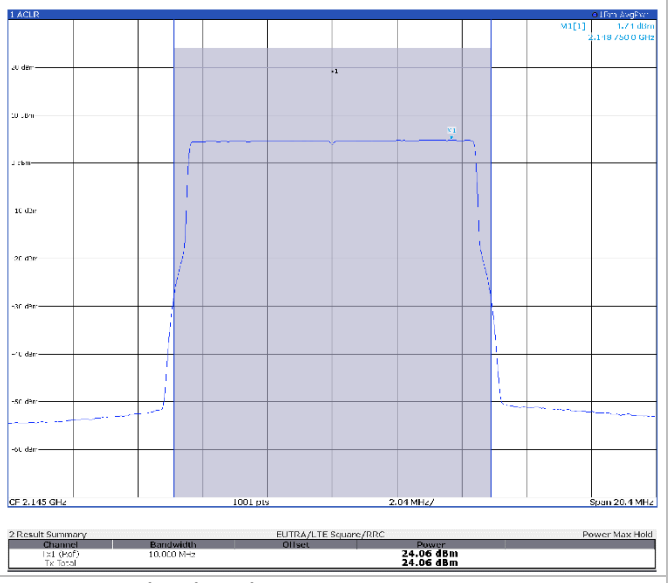


Band B66 | **10 MHz**

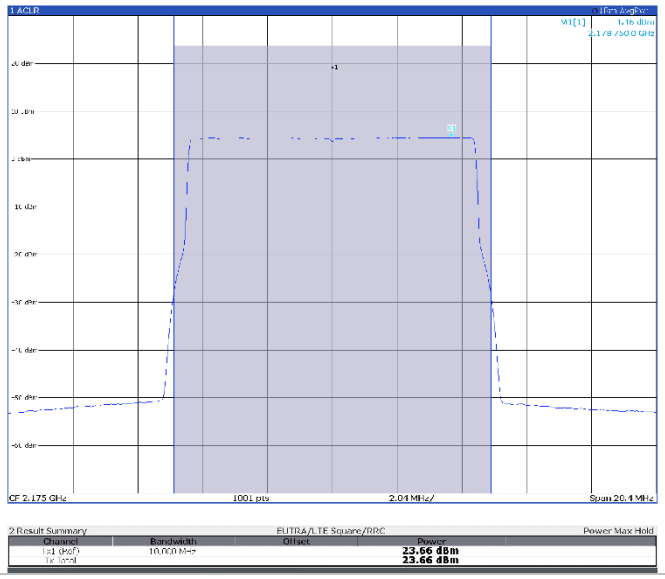
TM1.1, 10 MHz, low channel



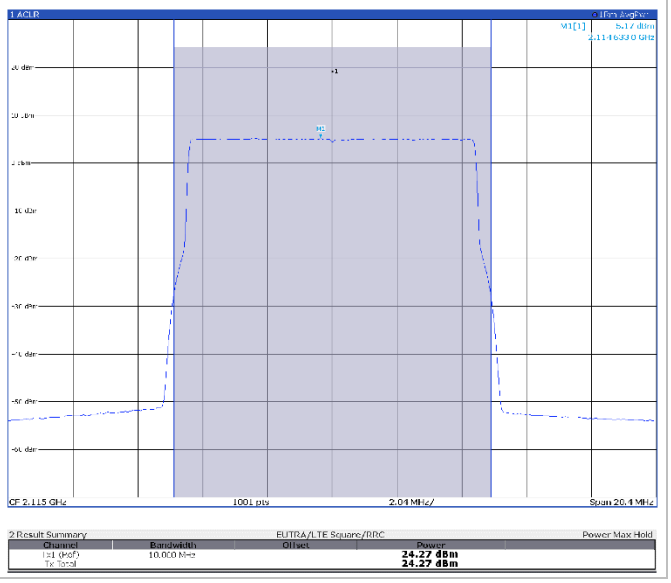
TM1.1, 10 MHz, mid channel



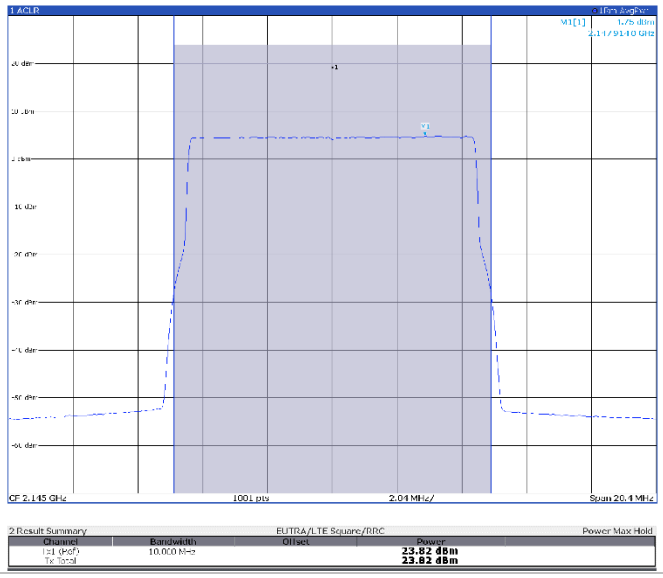
TM1.1, 10 MHz, high channel



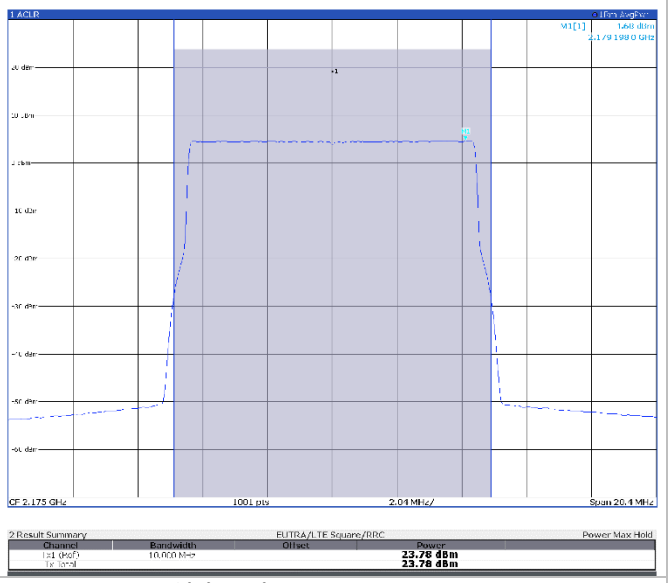
TM3p1, 10 MHz, low channel



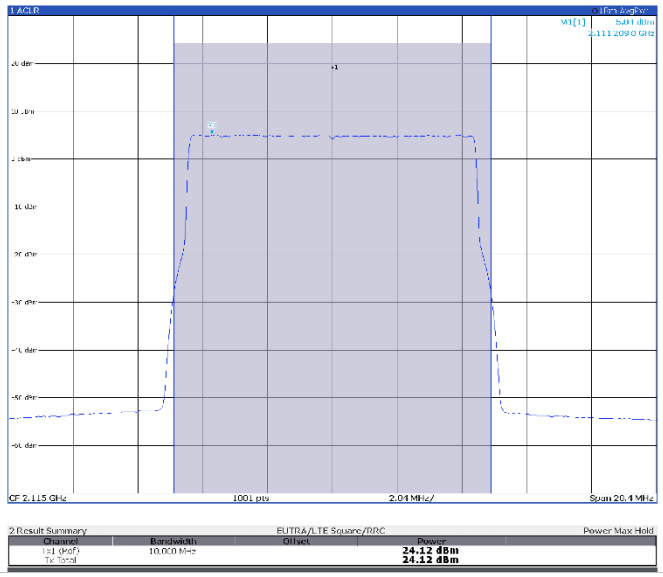
TM3p1, 10 MHz, mid channel



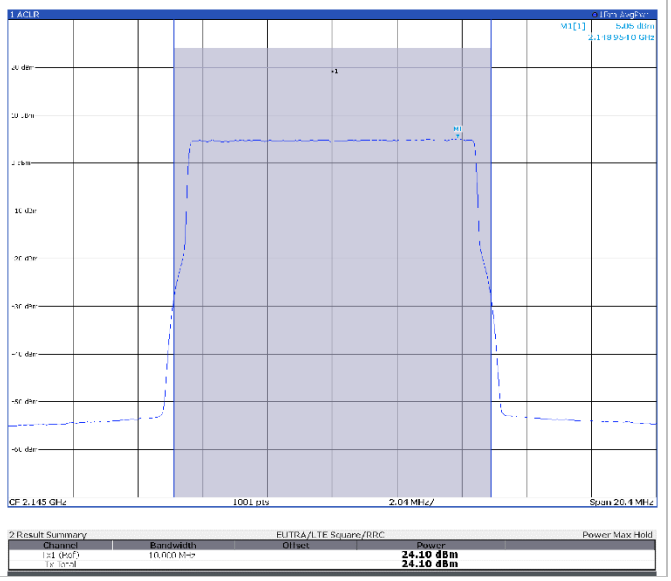
TM3p1, 10 MHz, high channel



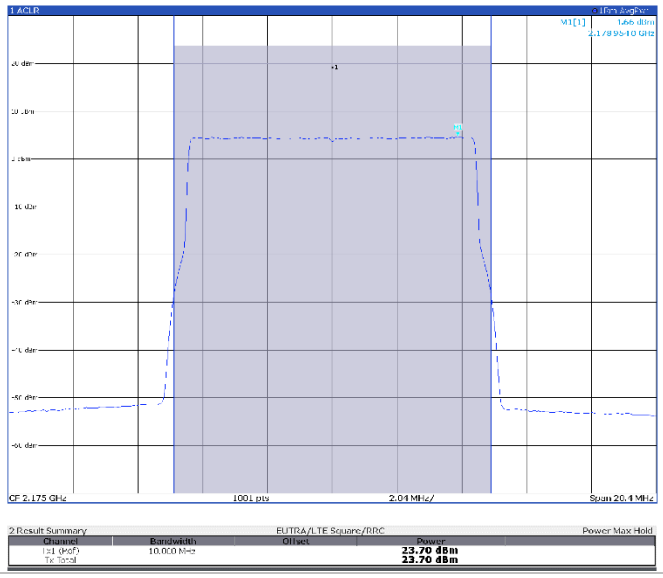
TM3p1a, 10 MHz, low channel



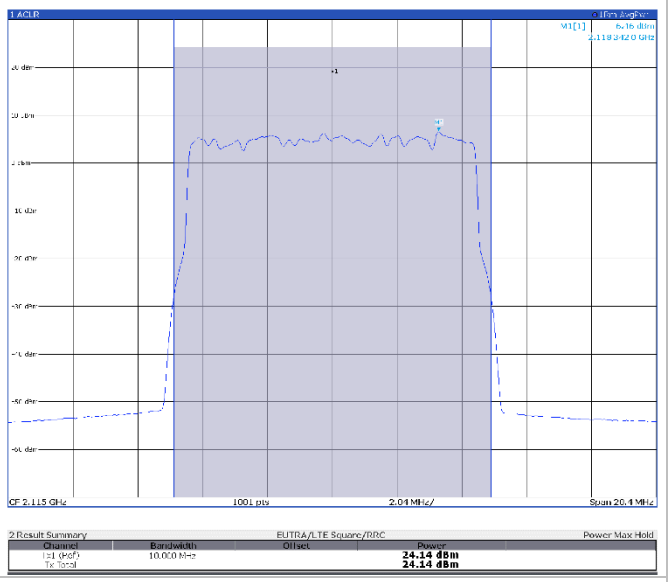
TM3p1a, 10 MHz, mid channel



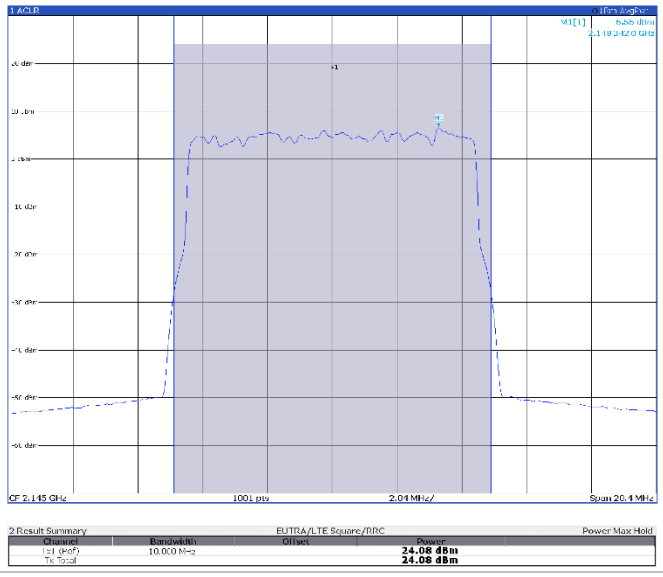
TM3p1a, 10 MHz, high channel



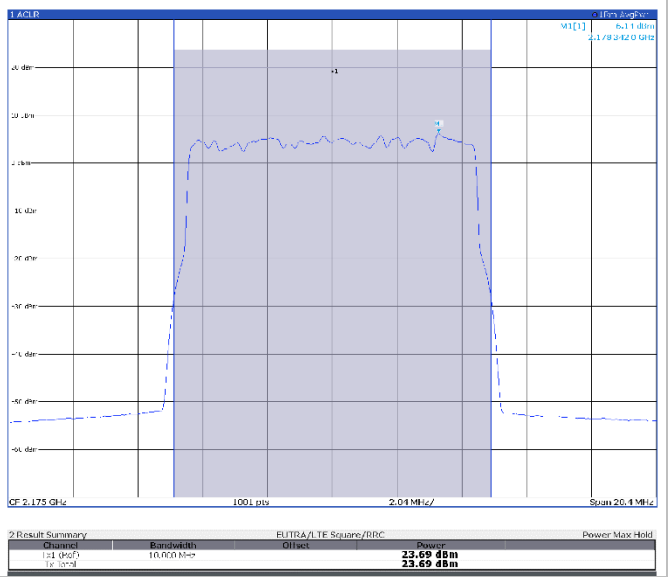
TM3p3, 10 MHz, low channel



TM3p3, 10 MHz, mid channel

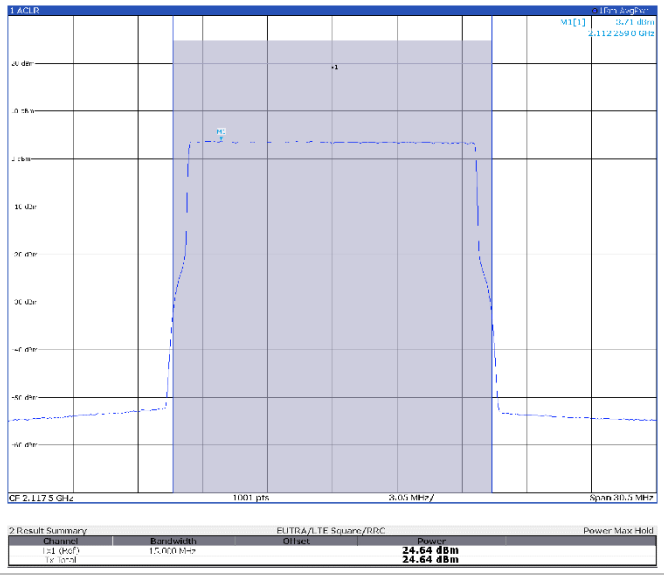


TM3p3, 10 MHz, high channel

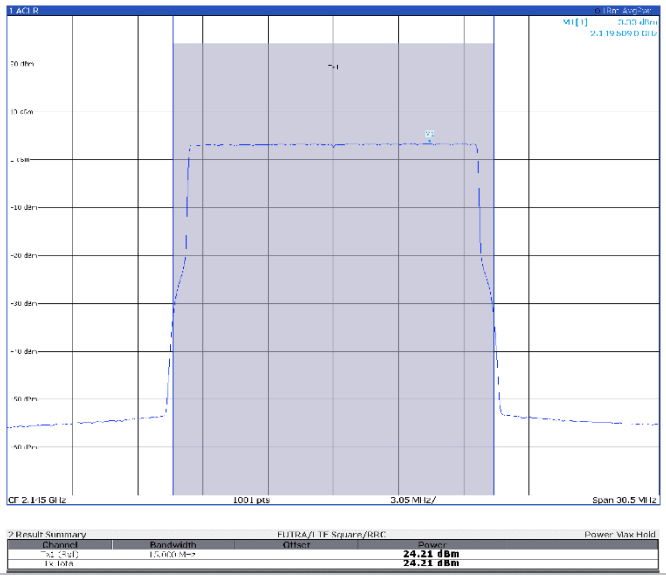


Band B66 **15 MHz**

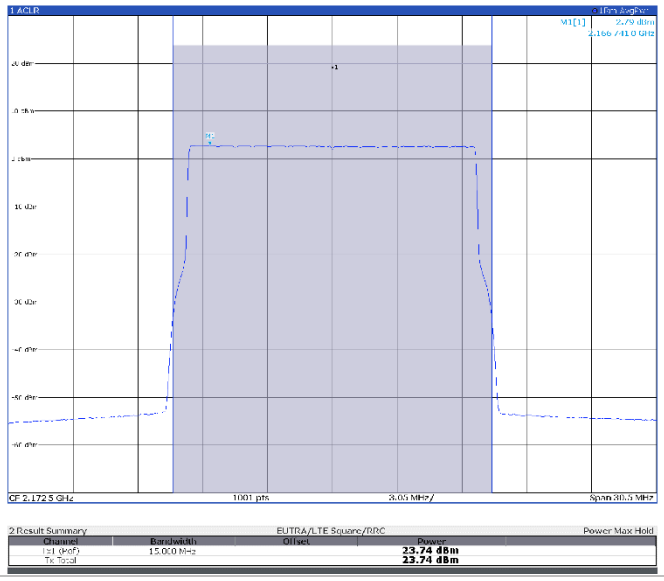
TM1.1, 15 MHz, low channel



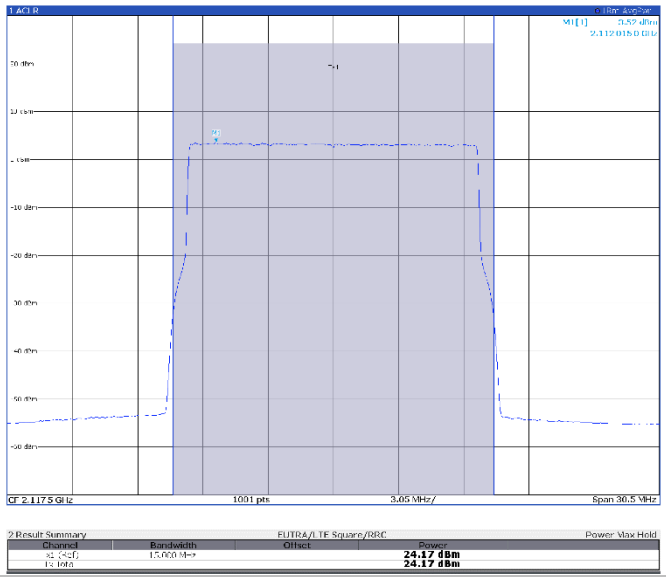
TM1.1, 15 MHz, mid channel



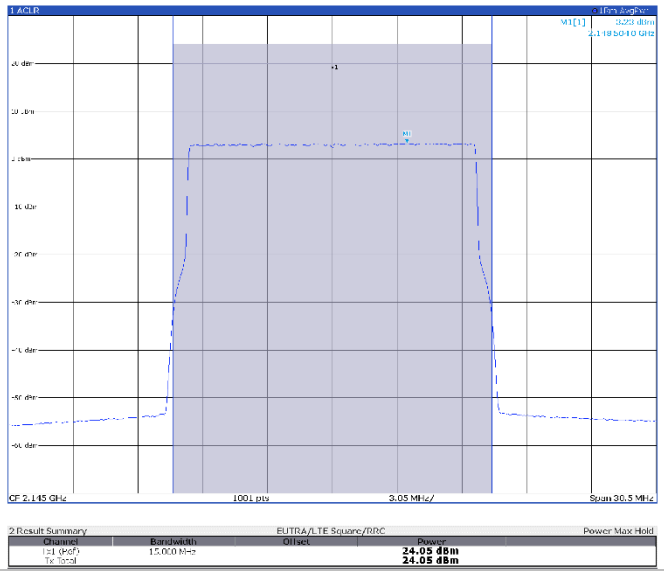
TM1.1, 15 MHz, high channel



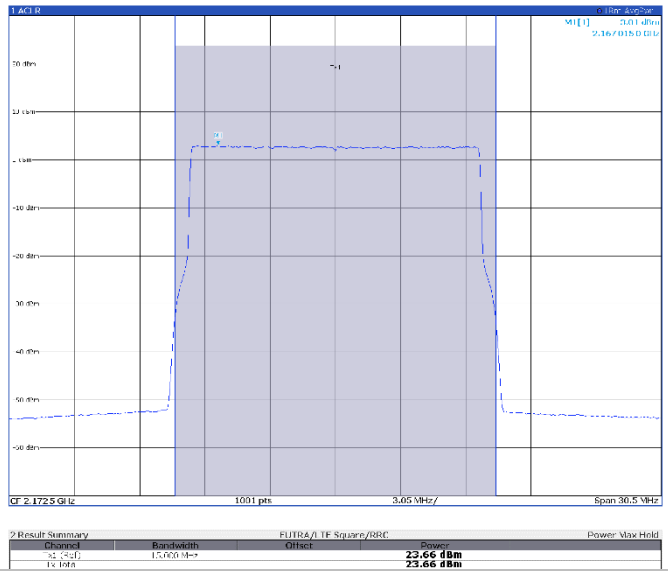
TM3p1, 15 MHz, low channel



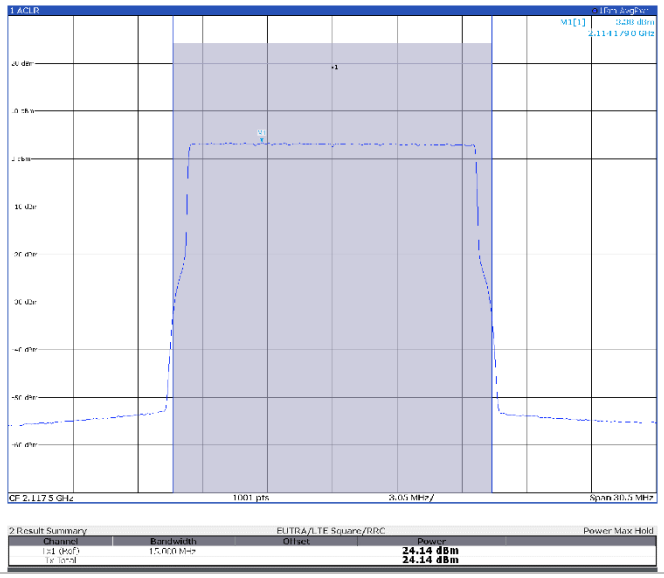
TM3p1, 15 MHz, mid channel



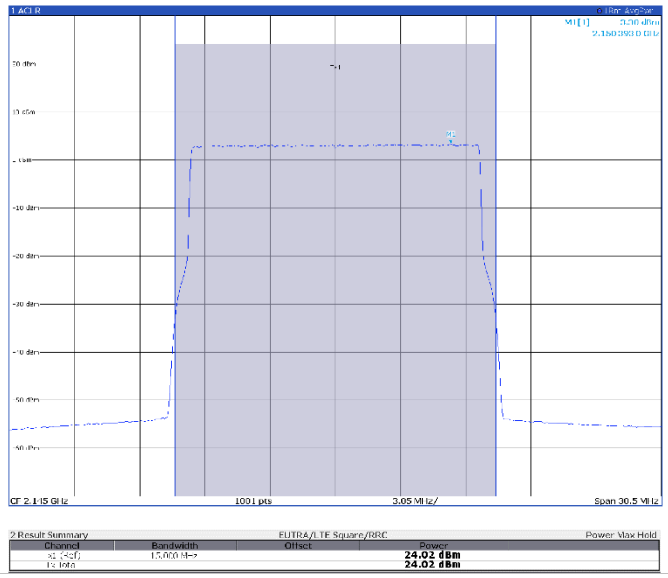
TM3p1, 15 MHz, high channel



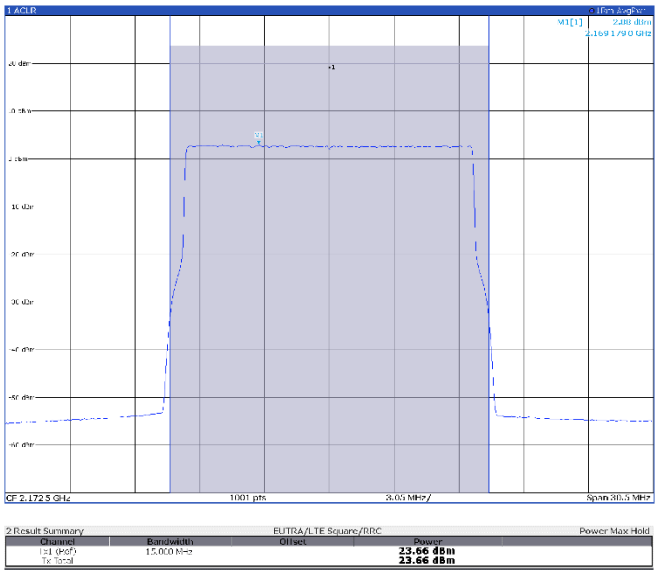
TM3p1a, 15 MHz, low channel



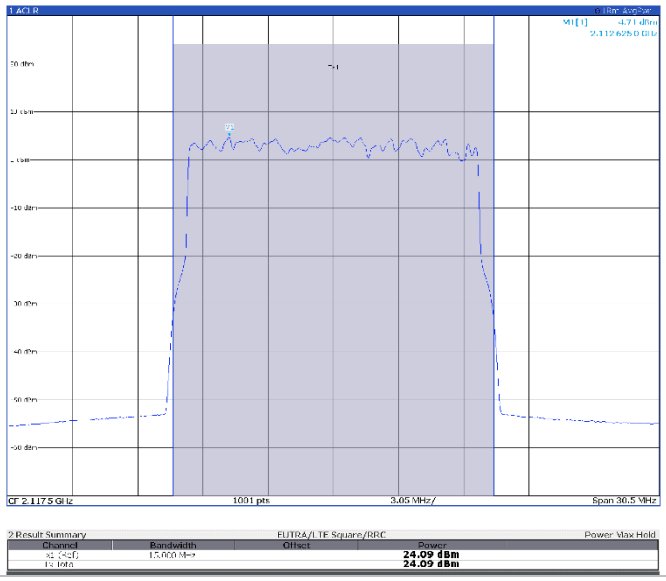
TM3p1a, 15 MHz, mid channel



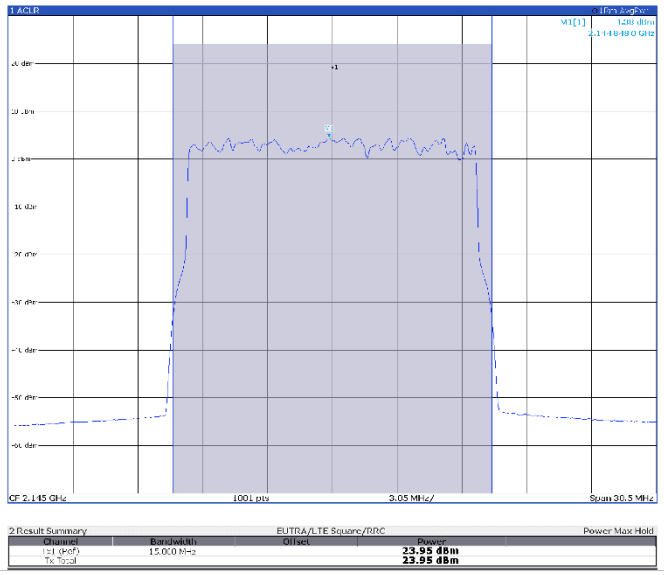
TM3p1a, 15 MHz, high channel



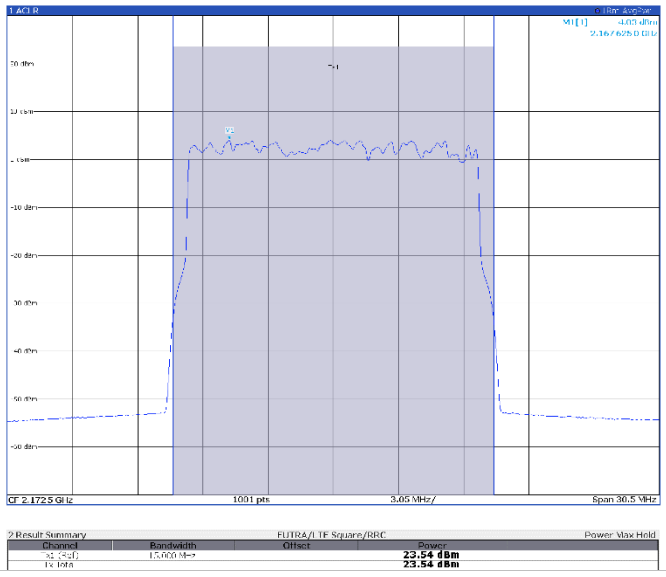
TM3p3, 15 MHz, low channel



TM3p3, 15 MHz, mid channel

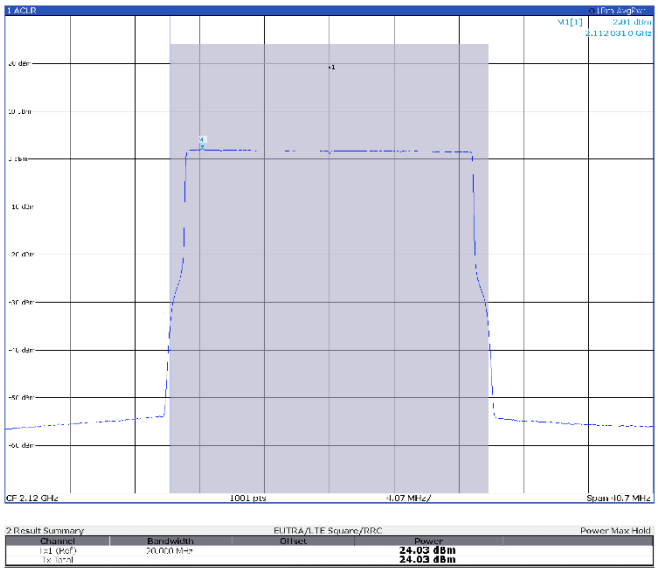


TM3p3, 15 MHz, high channel

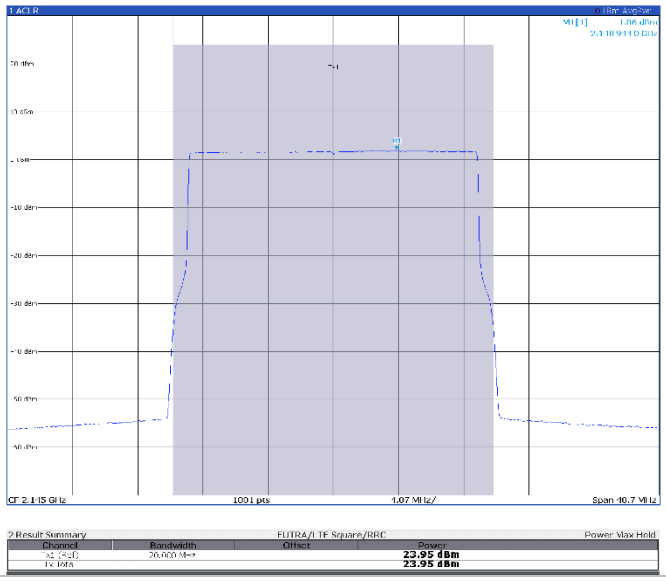


Band B66 | **20 MHz**

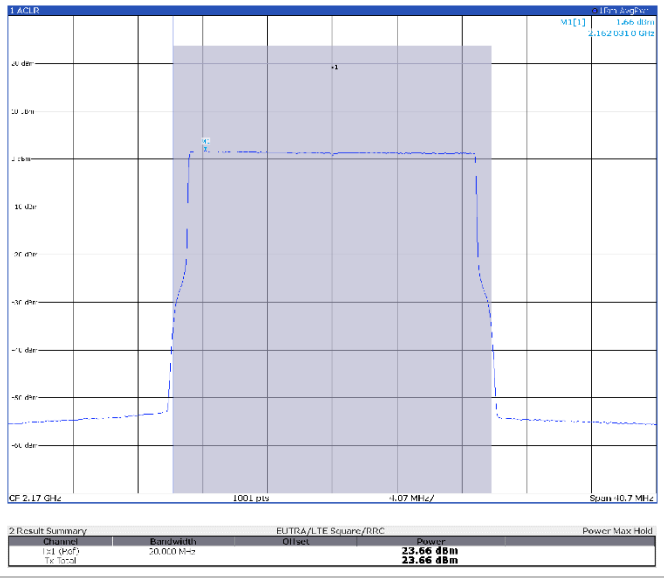
TM1.1, 20 MHz, low channel



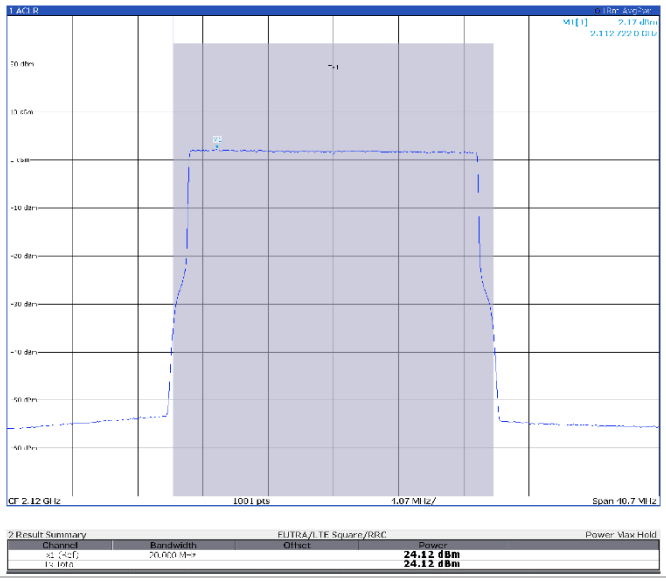
TM1.1, 20 MHz, mid channel



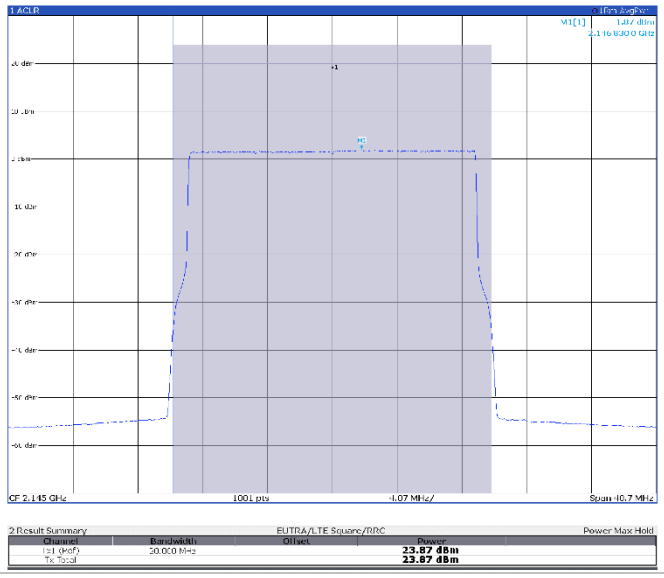
TM1.1, 20 MHz, high channel



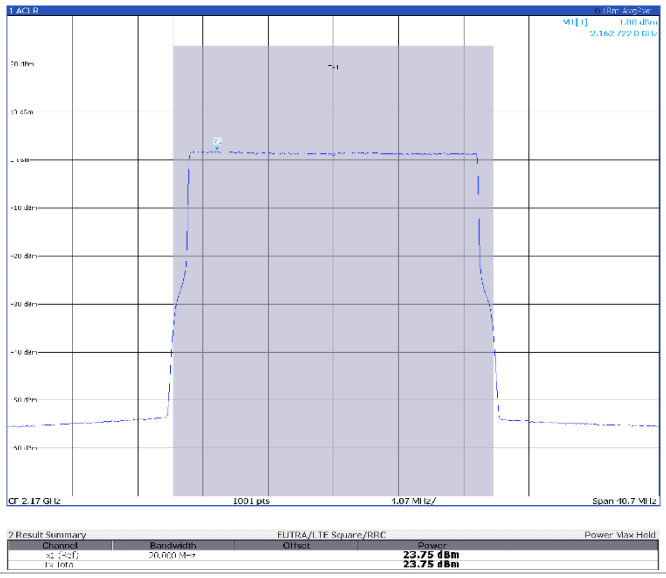
TM3p1, 20 MHz, low channel



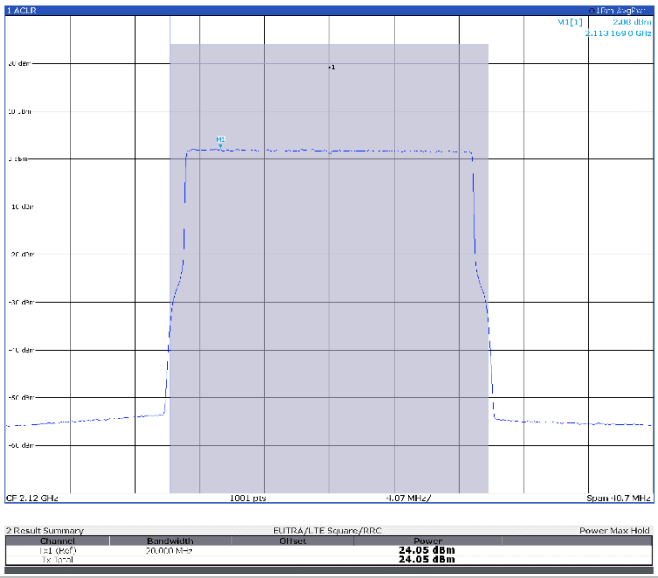
TM3p1, 20 MHz, mid channel



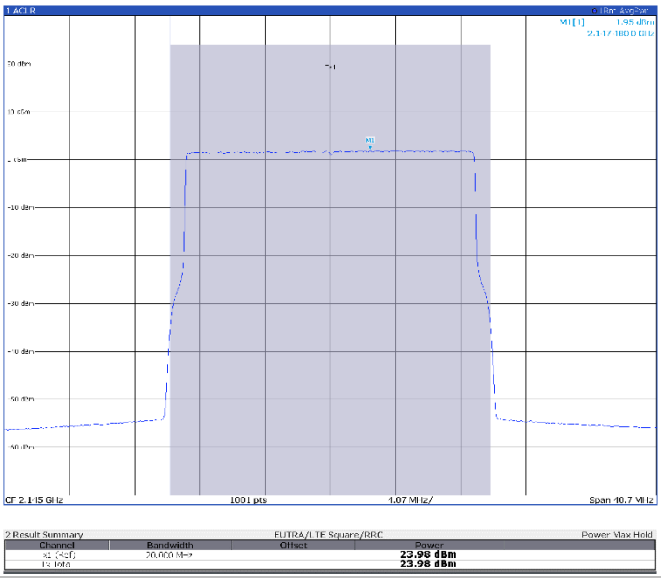
TM3p1, 20 MHz, high channel



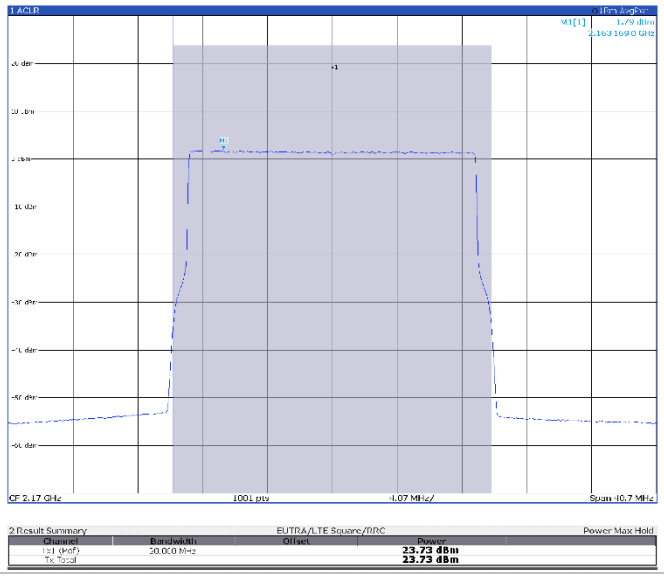
TM3p1a, 20 MHz, low channel



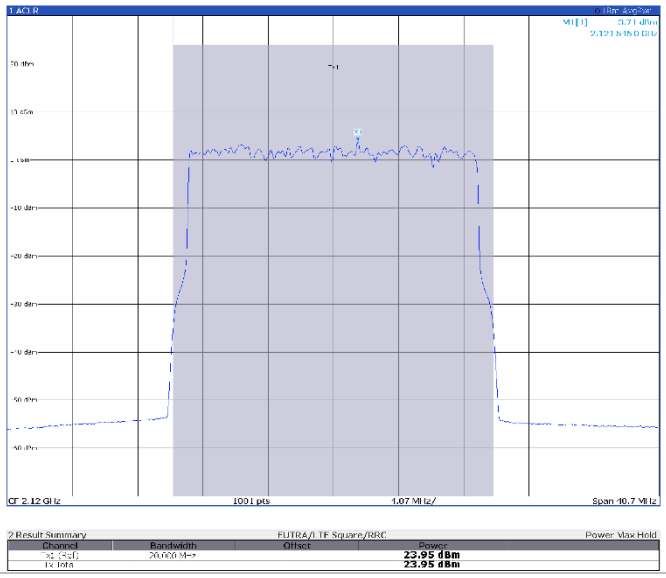
TM3p1a, 20 MHz, mid channel



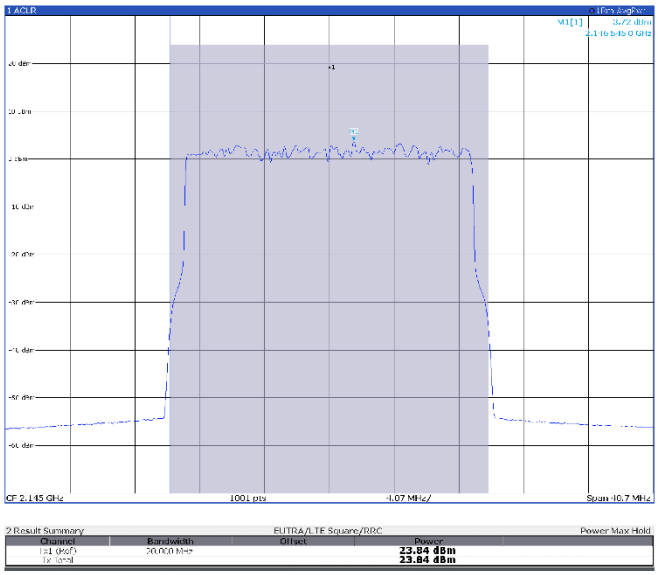
TM3p1a, 20 MHz, high channel



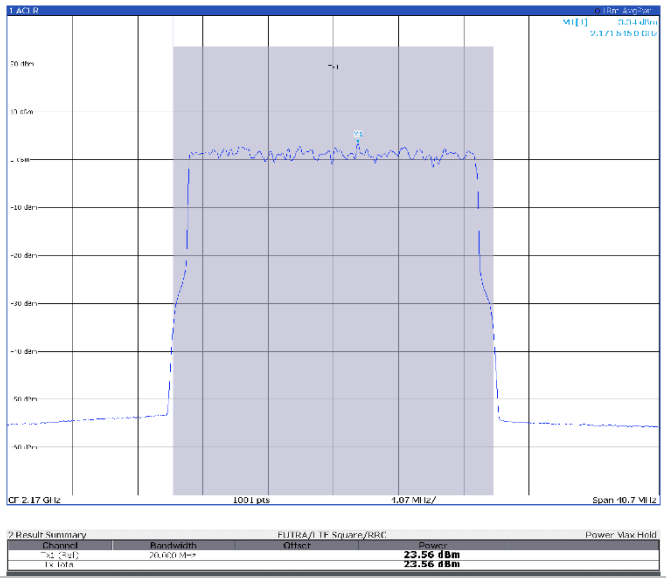
TM3p3, 20 MHz, low channel



TM3p3, 20 MHz, mid channel



TM3p3, 20 MHz, high channel



8.5 FCC 27.50(d)(5) Peak to Average Power Ratio

8.5.1 Definitions and limits

d) (5) Click to open paragraph tools Equipment employed must be authorized in accordance with the provisions of § 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

(6) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, and any other relevant factors, so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

8.5.2 Test summary

Test start date	September 4, 2024	Temperature	22 °C
Test end date	October 4, 2024	Air pressure	1001 mbar
Test engineer	O. Frau	Relative humidity	62%
Verdict	Pass		

8.5.3 Observations, settings and special notes

Test method: ANSI C63.26 Section 5.2.3.4.

Spectrum analyzer settings:

Resolution bandwidth	≥ OBW
Number of counts	The necessary number up to stabilizes the measured
Trace mode	Clear/Write

8.5.4 Test equipment used

Equipment	Manufacturer	Model no.	Asset no.
Spectrum Analyzer	Rohde & Schwarz	FSW43	101767

8.5.5 Test data

Antenna 1

Band B66:

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	1	2112.5	8.44	13	-4.56
B66	5 MHz	1	2145.0	8.56	13	-4.44
B66	5 MHz	1	2177.5	8.46	13	-4.54

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	1	2112.5	8.30	13	-4.70
B66	5 MHz	1	2145.0	8.40	13	-4.60
B66	5 MHz	1	2177.5	8.44	13	-4.56

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	1	2112.5	8.32	13	-4.68
B66	5 MHz	1	2145.0	8.34	13	-4.66
B66	5 MHz	1	2177.5	8.24	13	-4.76

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	1	2112.5	8.34	13	-4.66
B66	5 MHz	1	2145.0	8.38	13	-4.62
B66	5 MHz	1	2177.5	8.40	13	-4.60

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	1	2115.0	8.42	13	-4.58
B66	10 MHz	1	2145.0	8.42	13	-4.58
B66	10 MHz	1	2175.0	8.44	13	-4.56

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	1	2115.0	8.42	13	-4.58
B66	10 MHz	1	2145.0	8.38	13	-4.62
B66	10 MHz	1	2175.0	8.42	13	-4.58

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	1	2115.0	8.42	13	-4.58
B66	10 MHz	1	2145.0	8.42	13	-4.58
B66	10 MHz	1	2175.0	8.42	13	-4.58

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	1	2115.0	8.40	13	-4.60
B66	10 MHz	1	2145.0	8.42	13	-4.58
B66	10 MHz	1	2175.0	8.42	13	-4.58

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	1	2117.5	8.50	13	-4.50
B66	15 MHz	1	2145.0	8.44	13	-4.56
B66	15 MHz	1	2172.5	8.44	13	-4.56

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	1	2117.5	8.54	13	-4.46
B66	15 MHz	1	2145.0	8.54	13	-4.46
B66	15 MHz	1	2172.5	8.56	13	-4.44

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	1	2117.5	8.36	13	-4.64
B66	15 MHz	1	2145.0	8.32	13	-4.68
B66	15 MHz	1	2172.5	8.32	13	-4.68

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	1	2117.5	8.68	13	-4.32
B66	15 MHz	1	2145.0	8.72	13	-4.28
B66	15 MHz	1	2172.5	8.66	13	-4.34

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	1	2120.0	8.42	13	-4.58
B66	20 MHz	1	2145.0	8.44	13	-4.56
B66	20 MHz	1	2170.0	8.50	13	-4.50

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	1	2120.0	8.62	13	-4.38
B66	20 MHz	1	2145.0	8.60	13	-4.40
B66	20 MHz	1	2170.0	8.60	13	-4.40

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	1	2120.0	8.40	13	-4.60
B66	20 MHz	1	2145.0	8.42	13	-4.58
B66	20 MHz	1	2170.0	8.34	13	-4.66

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	1	2120.0	8.62	13	-4.38
B66	20 MHz	1	2145.0	8.66	13	-4.34
B66	20 MHz	1	2170.0	8.66	13	-4.34

Peak to average power ratio, TM3p3

Antenna 2

Band B66:

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	2	2112.5	8.46	13	-4.54
B66	5 MHz	2	2145.0	8.46	13	-4.54
B66	5 MHz	2	2177.5	8.44	13	-4.56

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	2	2112.5	8.40	13	-4.60
B66	5 MHz	2	2145.0	8.46	13	-4.54
B66	5 MHz	2	2177.5	8.34	13	-4.66

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	2	2112.5	8.24	13	-4.76
B66	5 MHz	2	2145.0	8.30	13	-4.70
B66	5 MHz	2	2177.5	8.26	13	-4.74

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	5 MHz	2	2112.5	8.36	13	-4.64
B66	5 MHz	2	2145.0	8.34	13	-4.66
B66	5 MHz	2	2177.5	8.32	13	-4.68

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	2	2115.0	8.46	13	-4.54
B66	10 MHz	2	2145.0	8.44	13	-4.56
B66	10 MHz	2	2175.0	8.38	13	-4.62

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	2	2115.0	8.40	13	-4.60
B66	10 MHz	2	2145.0	8.34	13	-4.66
B66	10 MHz	2	2175.0	8.36	13	-4.64

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	2	2115.0	8.44	13	-4.56
B66	10 MHz	2	2145.0	8.40	13	-4.60
B66	10 MHz	2	2175.0	8.42	13	-4.58

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	10 MHz	2	2115.0	8.38	13	-4.62
B66	10 MHz	2	2145.0	8.44	13	-4.56
B66	10 MHz	2	2175.0	8.44	13	-4.56

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	2	2117.5	8.34	13	-4.66
B66	15 MHz	2	2145.0	8.40	13	-4.60
B66	15 MHz	2	2172.5	8.36	13	-4.64

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	2	2117.5	8.58	13	-4.42
B66	15 MHz	2	2145.0	8.58	13	-4.42
B66	15 MHz	2	2172.5	8.60	13	-4.40

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	2	2117.5	8.36	13	-4.64
B66	15 MHz	2	2145.0	8.36	13	-4.64
B66	15 MHz	2	2172.5	8.36	13	-4.64

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	15 MHz	2	2117.5	8.70	13	-4.30
B66	15 MHz	2	2145.0	8.74	13	-4.26
B66	15 MHz	2	2172.5	8.64	13	-4.36

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	2	2120.0	8.54	13	-4.46
B66	20 MHz	2	2145.0	8.40	13	-4.60
B66	20 MHz	2	2170.0	8.46	13	-4.54

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	2	2120.0	8.60	13	-4.40
B66	20 MHz	2	2145.0	8.64	13	-4.36
B66	20 MHz	2	2170.0	8.62	13	-4.38

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	2	2120.0	8.42	13	-4.58
B66	20 MHz	2	2145.0	8.32	13	-4.68
B66	20 MHz	2	2170.0	8.40	13	-4.60

Peak to average power ratio, TM3p1a

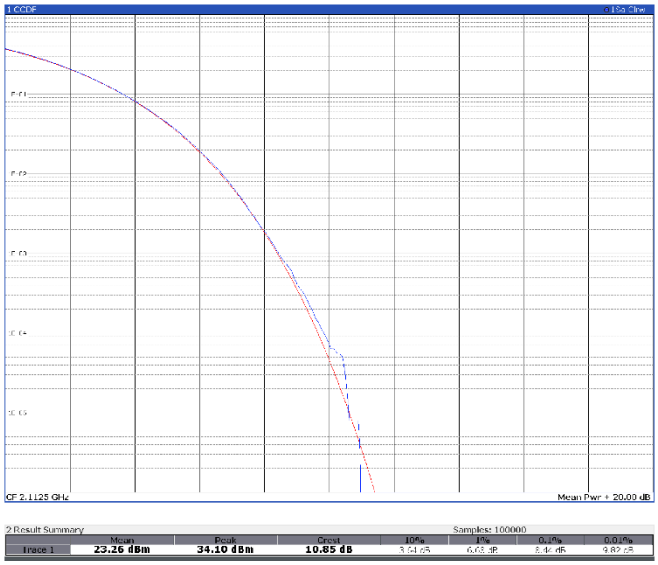
Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
B66	20 MHz	2	2120.0	8.56	13	-4.44
B66	20 MHz	2	2145.0	8.44	13	-4.56
B66	20 MHz	2	2170.0	8.68	13	-4.32

Peak to average power ratio, TM3p3

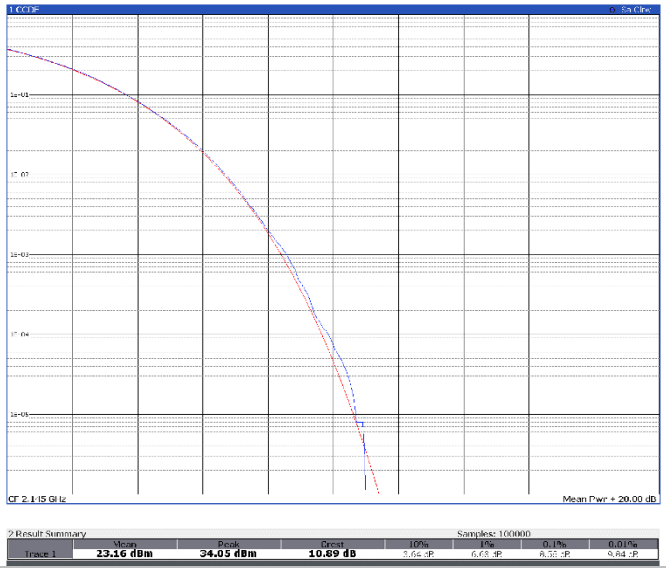
Antenna port 1

Band B66	**5 MHz**

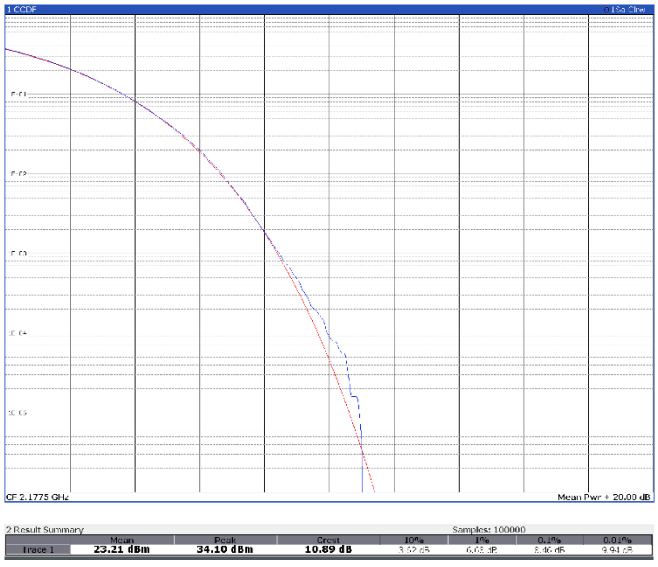
TM1.1, 5 MHz, low channel



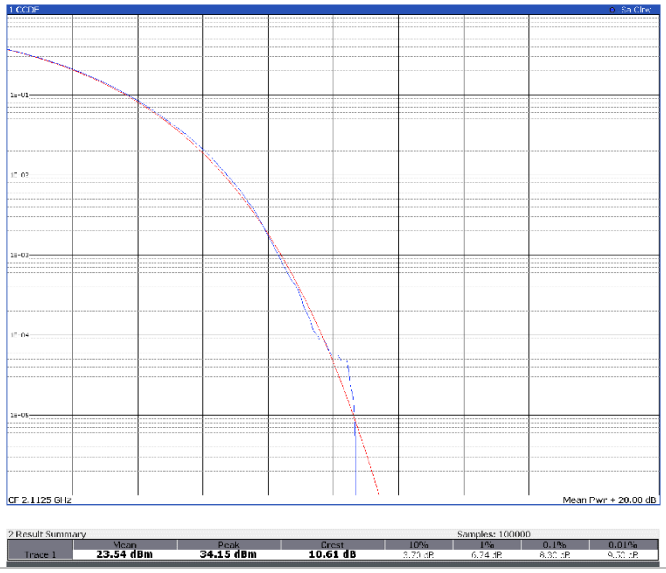
TM1.1, 5 MHz, mid channel



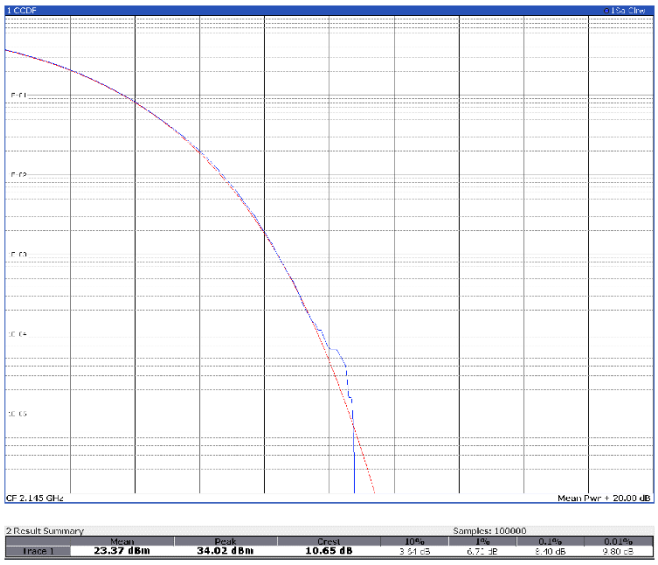
TM1.1, 5 MHz, high channel



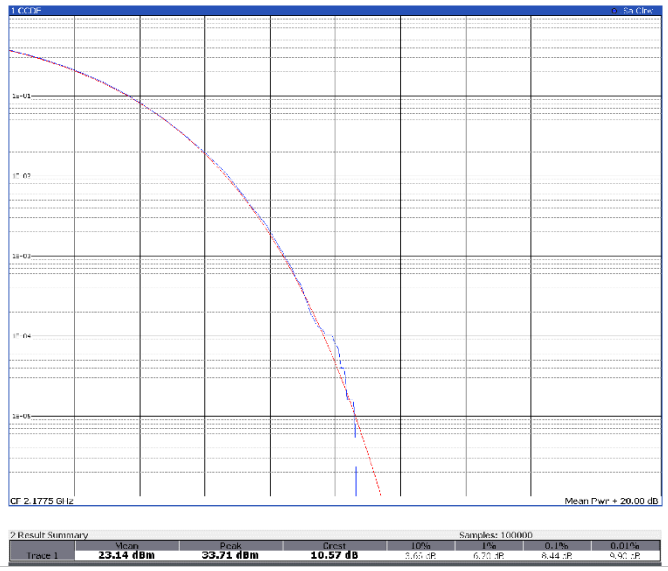
TM3p1, 5 MHz, low channel



TM3p1, 5 MHz, mid channel

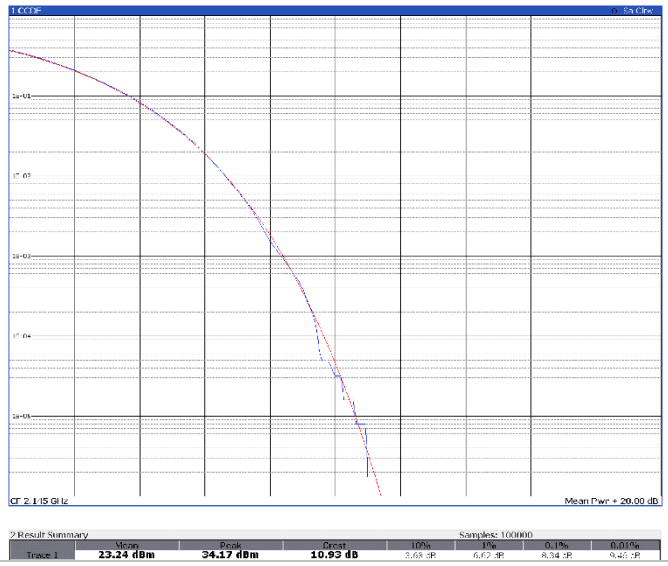


TM3p1, 5 MHz, high channel

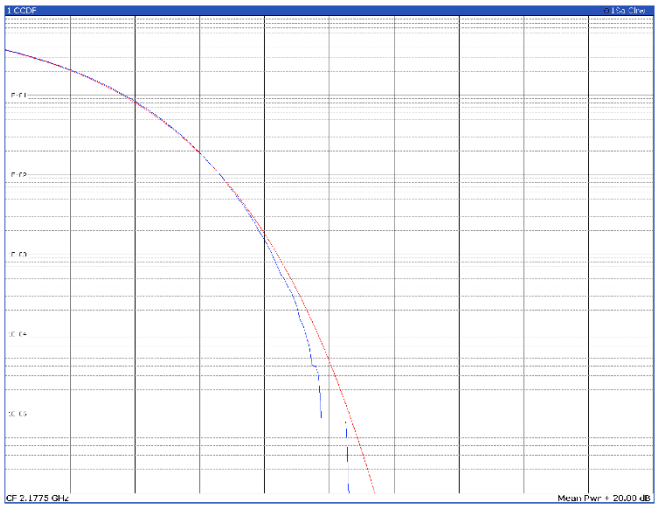


TM3p1a, 5 MHz, low channel

TM3p1a, 5 MHz, mid channel



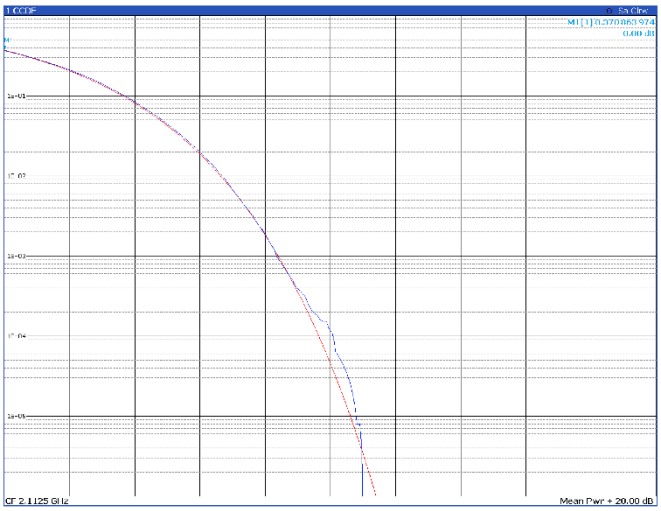
TM3p1a, 5 MHz, high channel



2 Result Summary — Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	23.19 dBm	33.68 dBm	10.50 dB	3.68 dB	6.62 dB	8.24 dB	9.26 dB

TM3p3, 5 MHz, low channel



2 Result Summary — Samples: 100000

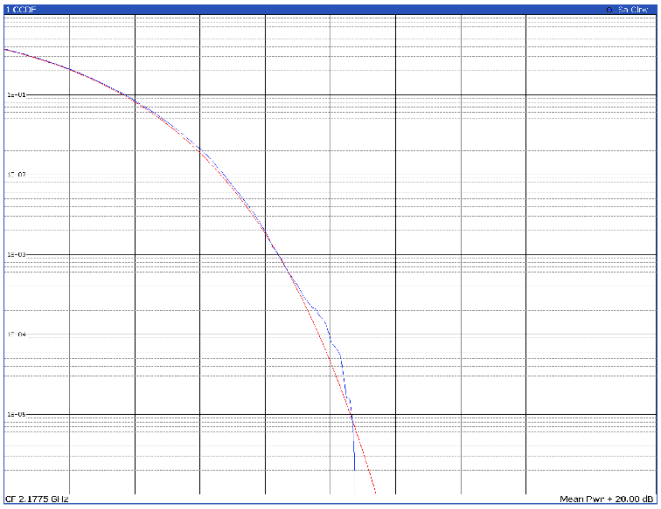
	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	23.43 dBm	34.33 dBm	10.91 dB	3.68 dB	6.68 dB	8.34 dB	10.08 dB

TM3p3, 5 MHz, mid channel

2 Result Summary — Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	23.27 dBm	33.85 dBm	10.58 dB	3.58 dB	6.74 dB	8.38 dB	9.92 dB

TM3p3, 5 MHz, high channel

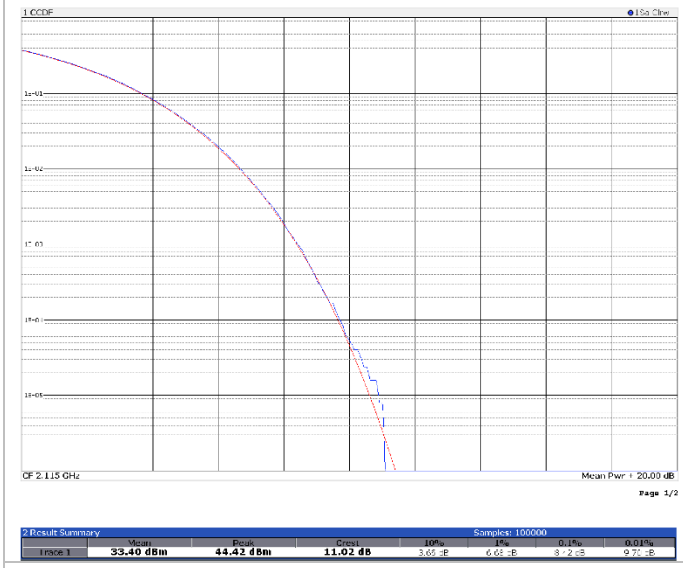


2 Result Summary — Samples: 100000

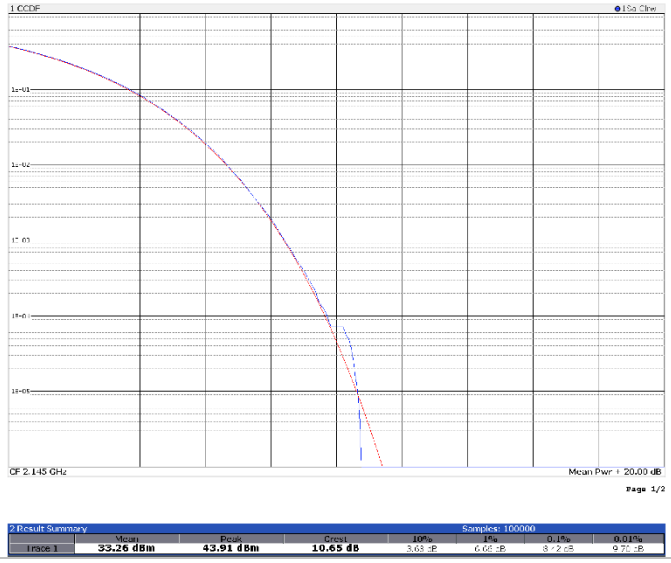
	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	23.10 dBm	33.75 dBm	10.64 dB	3.68 dB	6.72 dB	8.42 dB	9.96 dB

Band B66	10 MHz

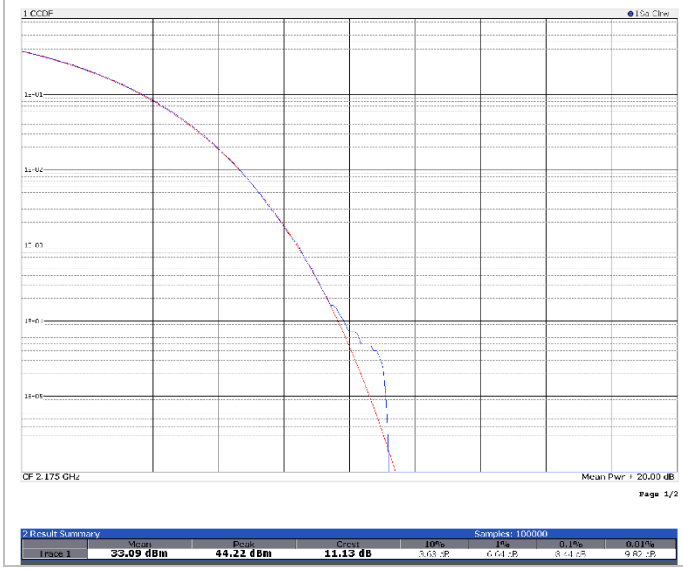
TM1.1, 10 MHz, low channel



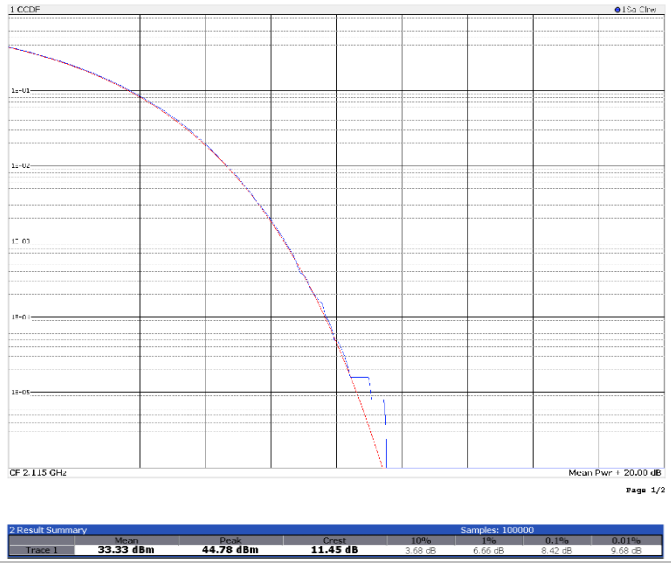
TM1.1, 10 MHz, mid channel



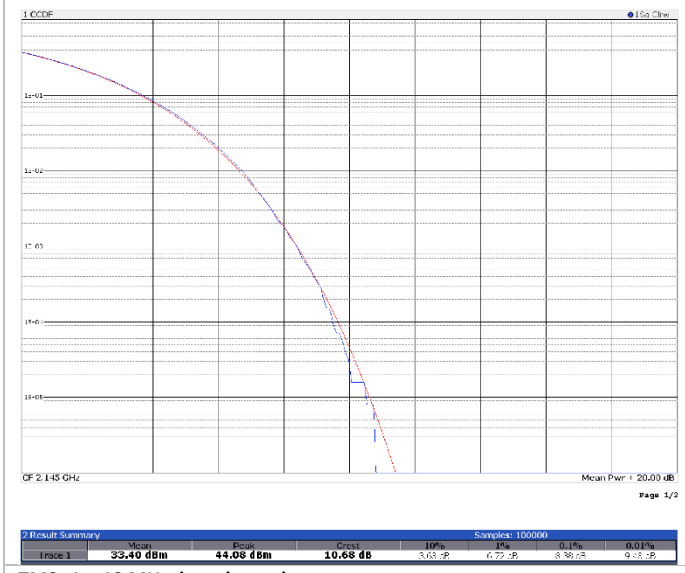
TM1.1, 10 MHz, high channel



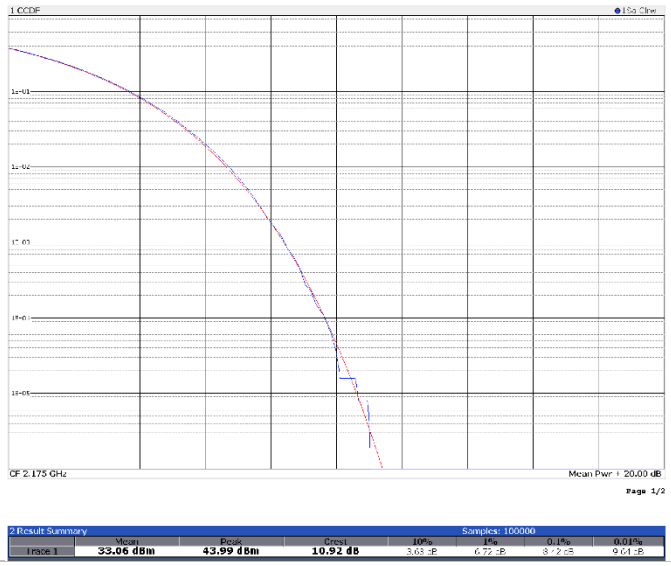
TM3p1, 10 MHz, low channel



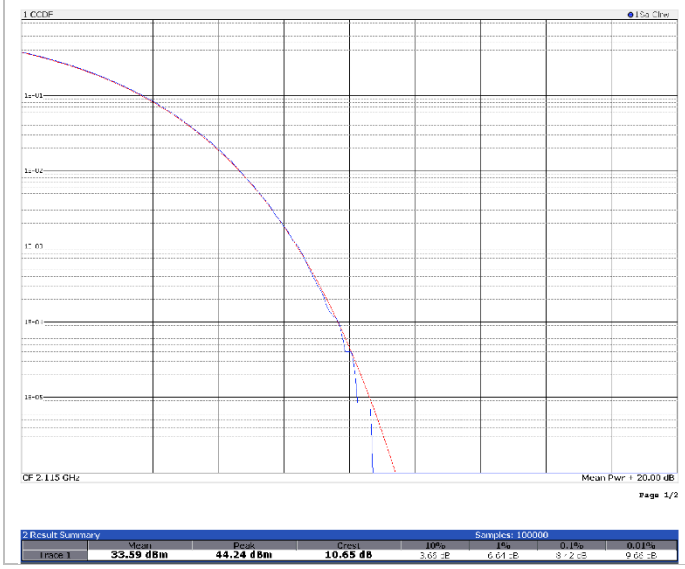
TM3p1, 10 MHz, mid channel



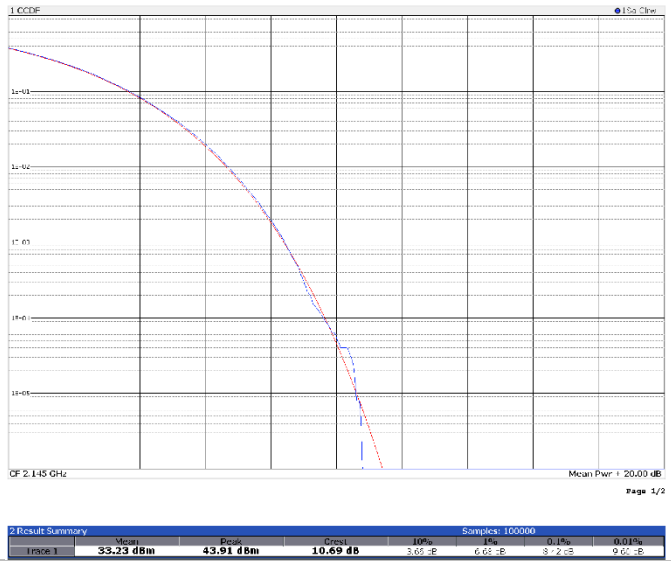
TM3p1, 10 MHz, high channel



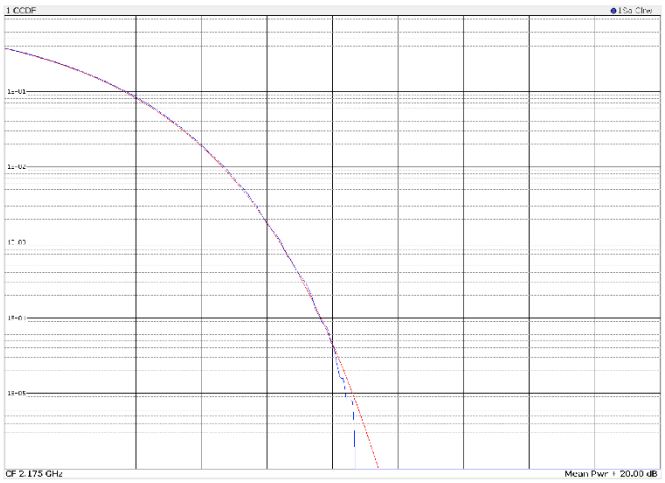
TM3p1a, 10 MHz, low channel



TM3p1a, 10 MHz, mid channel



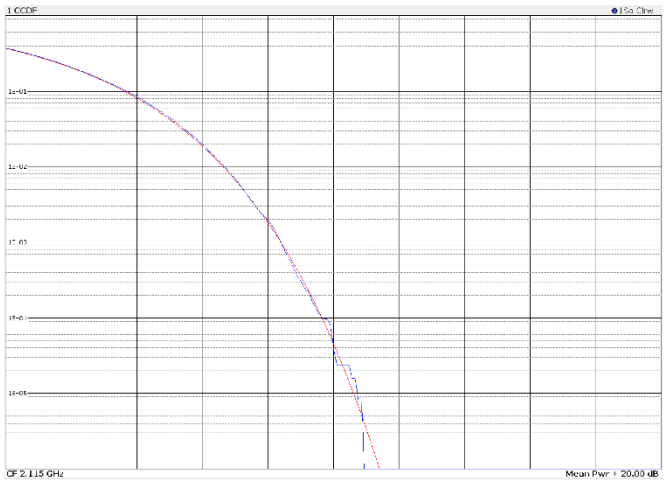
TM3p1a, 10 MHz, high channel



2 Result Summary — Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	33.12 dBm	43.73 dBm	10.61 dB	3.68 dB	6.71 dB	8.42 dB	9.66 dB

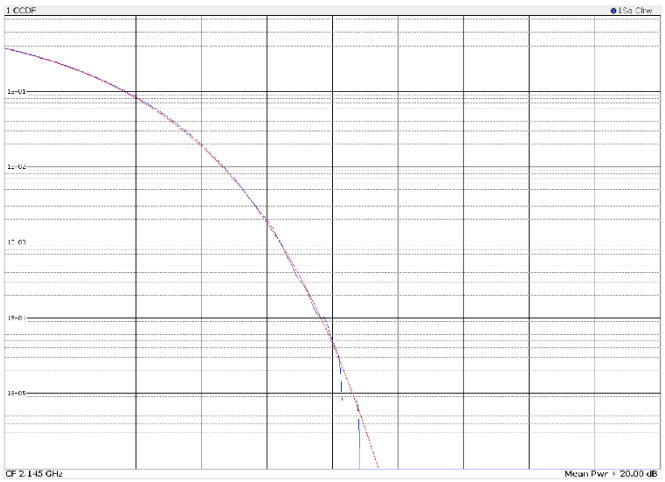
TM3p3, 10 MHz, low channel



2 Result Summary — Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	33.56 dBm	44.35 dBm	10.79 dB	3.68 dB	6.68 dB	8.40 dB	9.66 dB

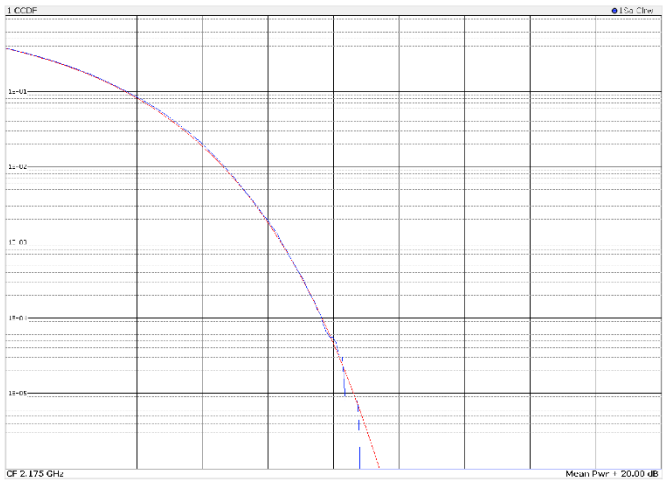
TM3p3, 10 MHz, mid channel



2 Result Summary — Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	33.36 dBm	44.13 dBm	10.77 dB	3.68 dB	6.68 dB	8.42 dB	9.71 dB

TM3p3, 10 MHz, high channel

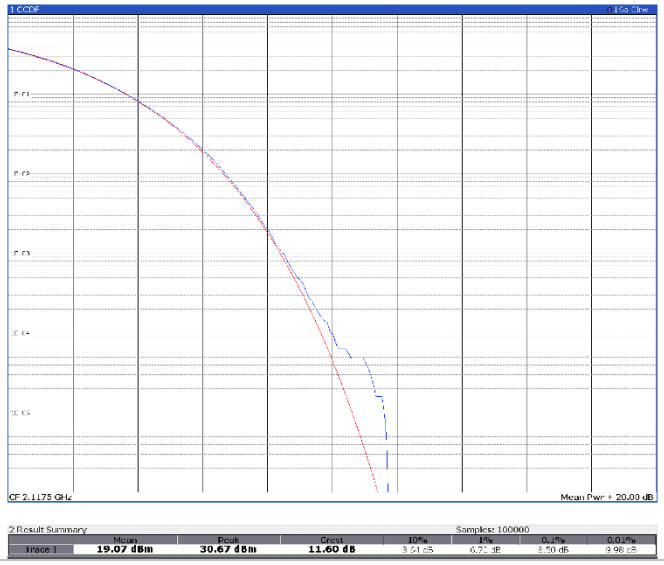


2 Result Summary — Samples: 100000

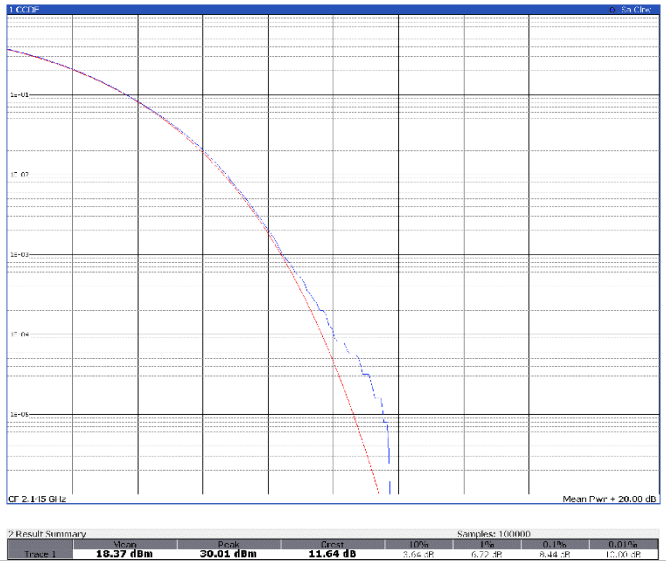
	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	33.10 dBm	43.79 dBm	10.70 dB	3.68 dB	6.68 dB	8.42 dB	9.61 dB

Band B66 | **15 MHz**

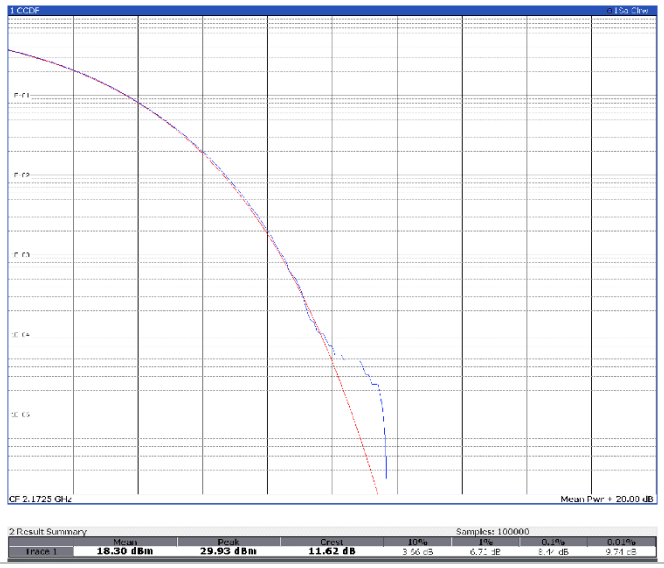
TM1.1, 15 MHz, low channel



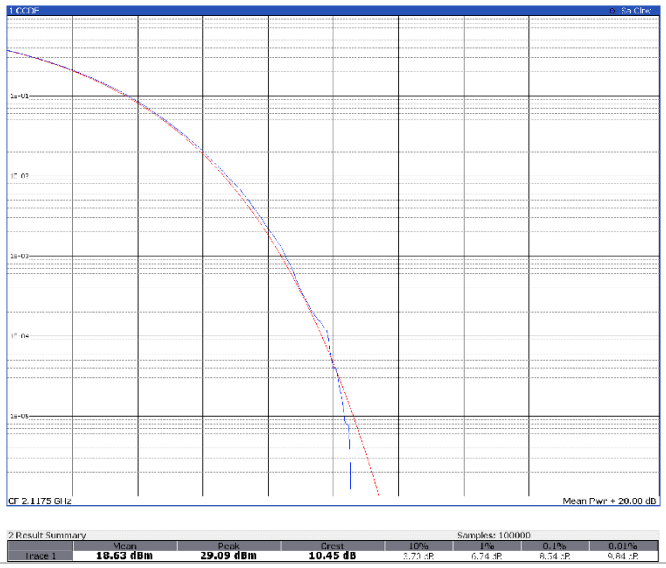
TM1.1, 15 MHz, mid channel



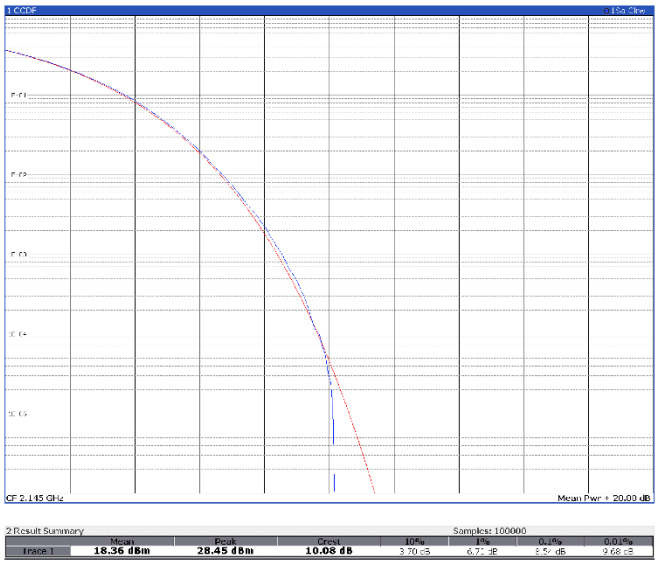
TM1.1, 15 MHz, high channel



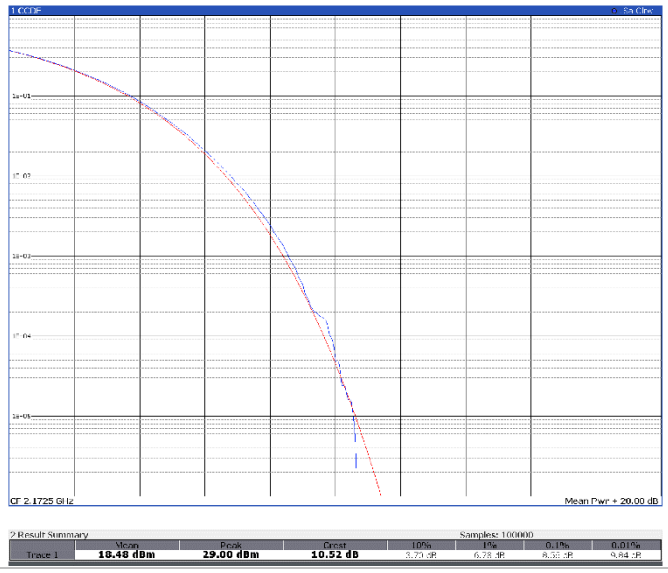
TM3p1, 15 MHz, low channel



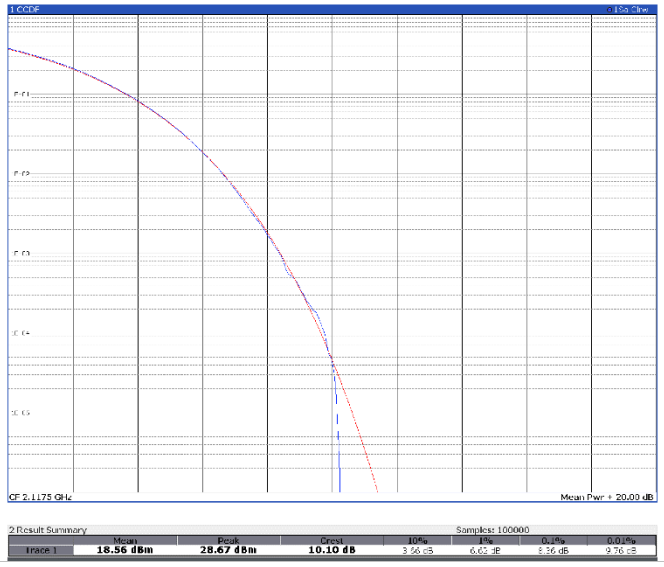
TM3p1, 15 MHz, mid channel



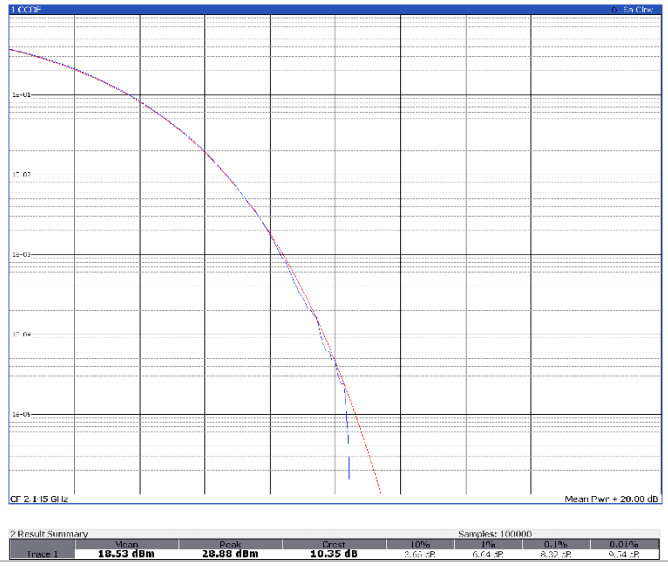
TM3p1, 15 MHz, high channel



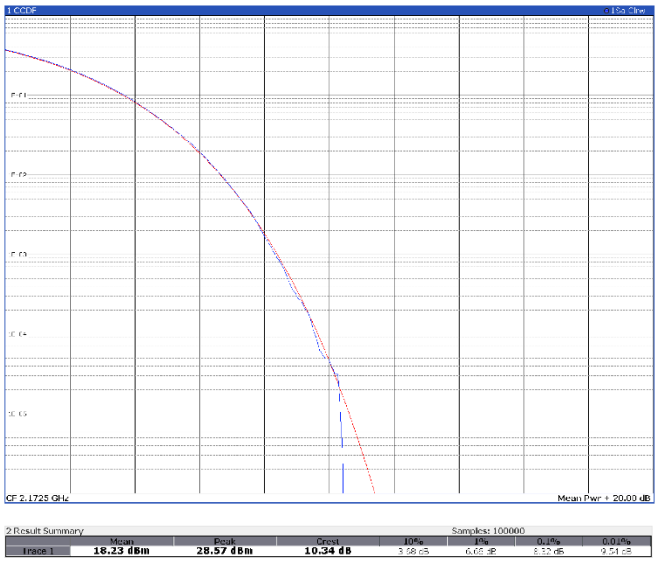
TM3p1a, 15 MHz, low channel



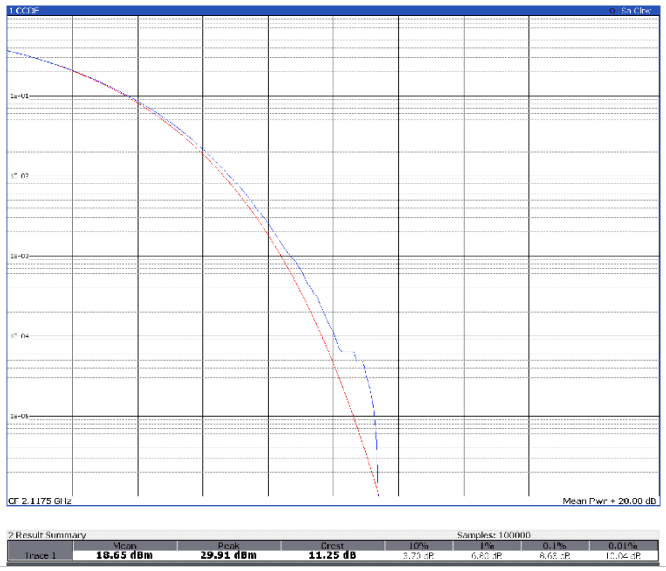
TM3p1a, 15 MHz, mid channel



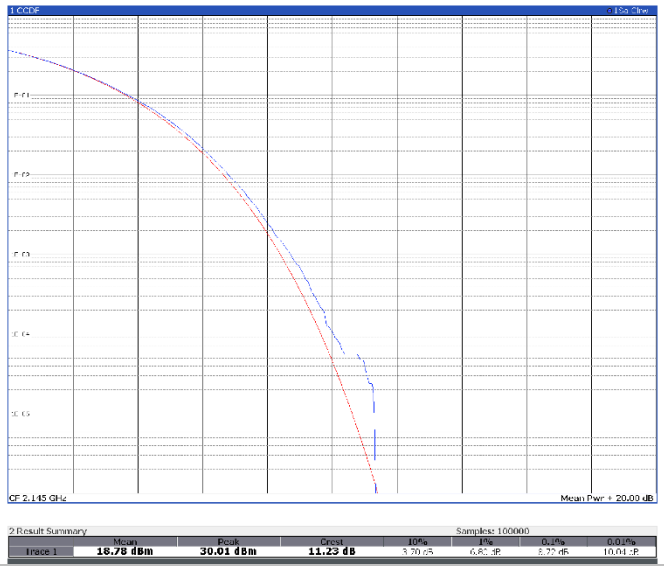
TM3p1a, 15 MHz, high channel



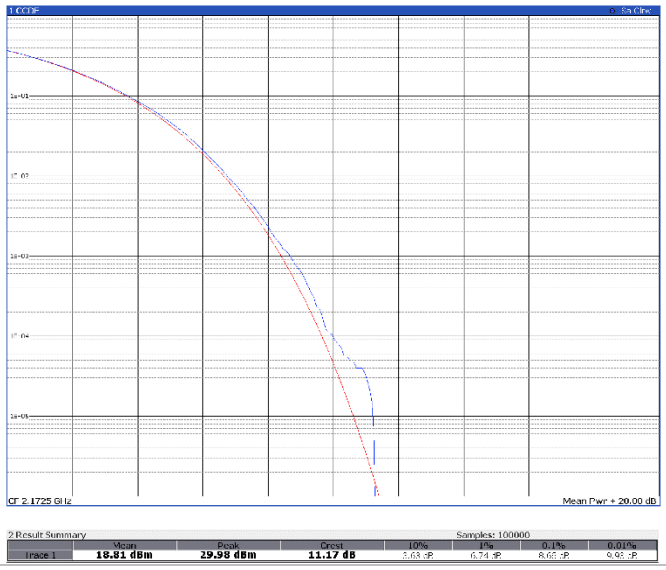
TM3p3, 15 MHz, low channel



TM3p3, 15 MHz, mid channel

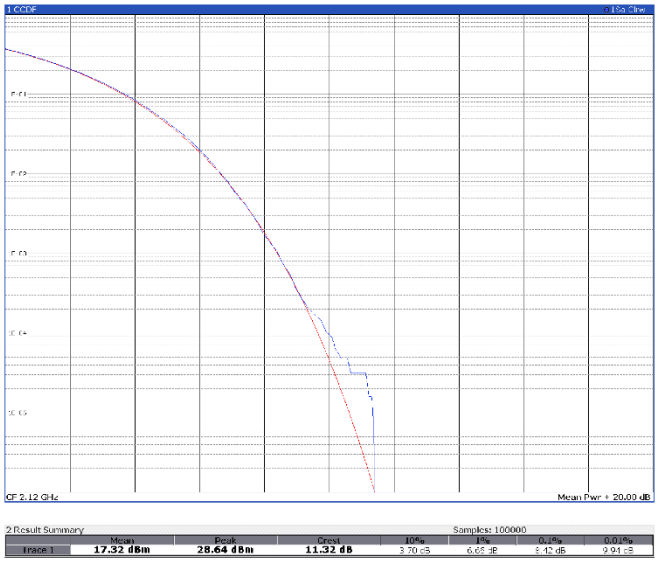


TM3p3, 15 MHz, high channel

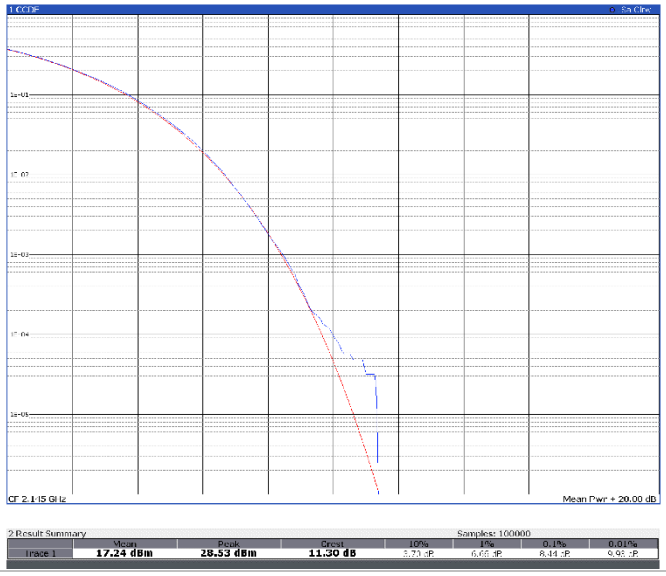


Band B66 | **20 MHz**

TM1.1, 20 MHz, low channel

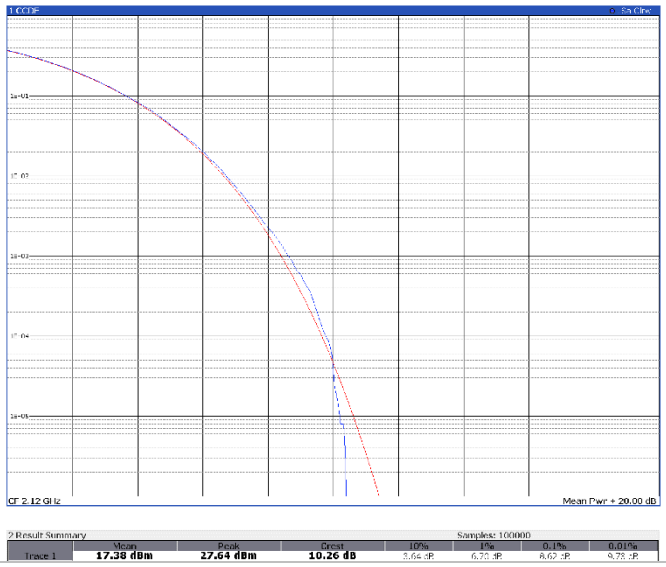


TM1.1, 20 MHz, mid channel

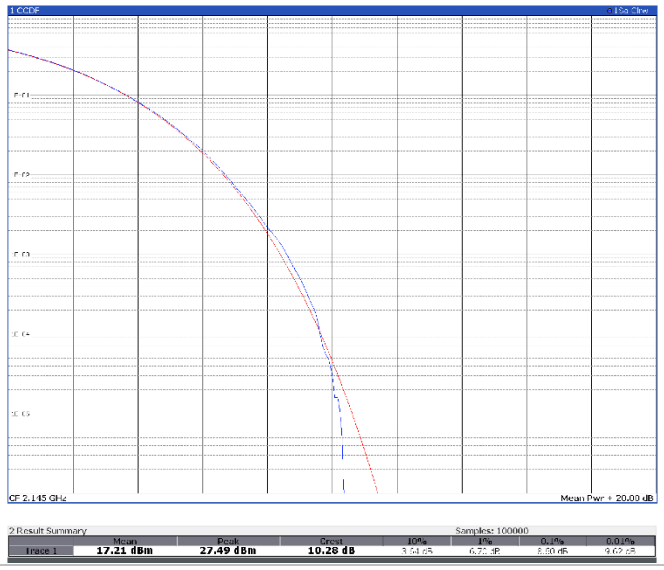


TM1.1, 20 MHz, high channel

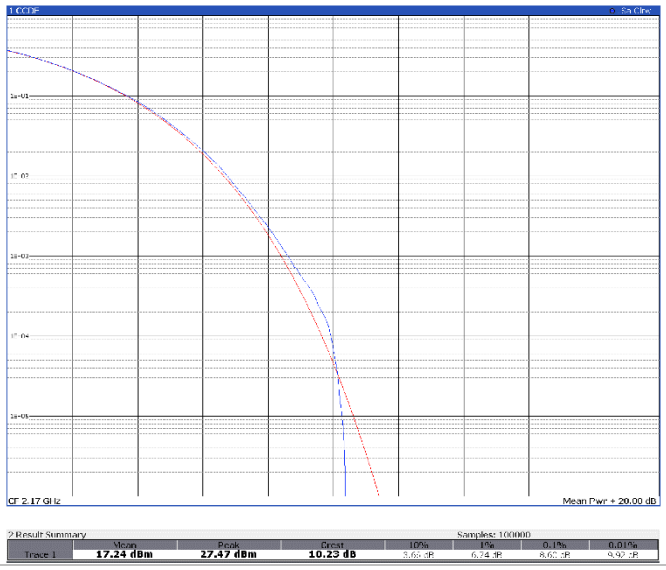
TM3p1, 20 MHz, low channel



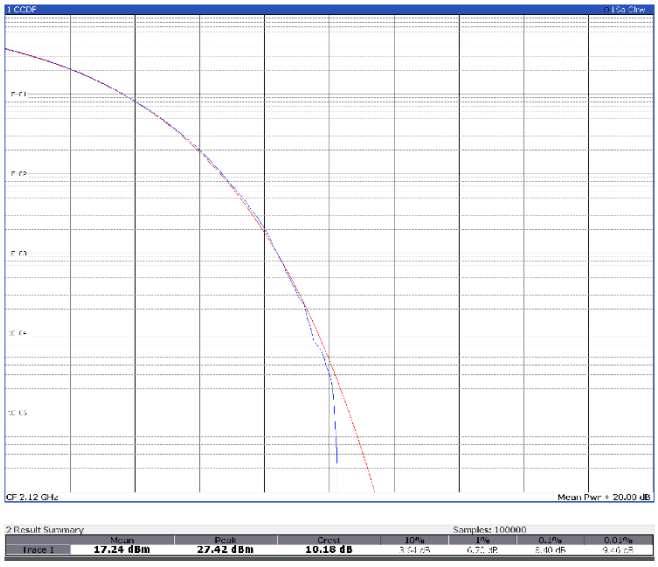
TM3p1, 20 MHz, mid channel



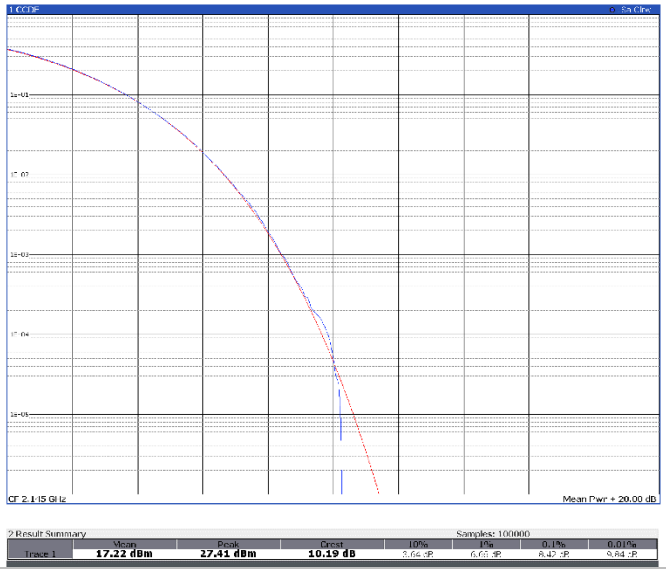
TM3p1, 20 MHz, high channel



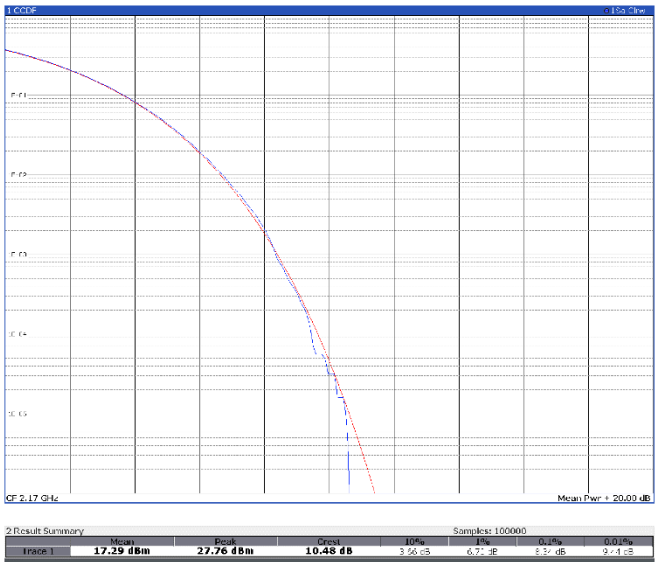
TM3p1a, 20 MHz, low channel



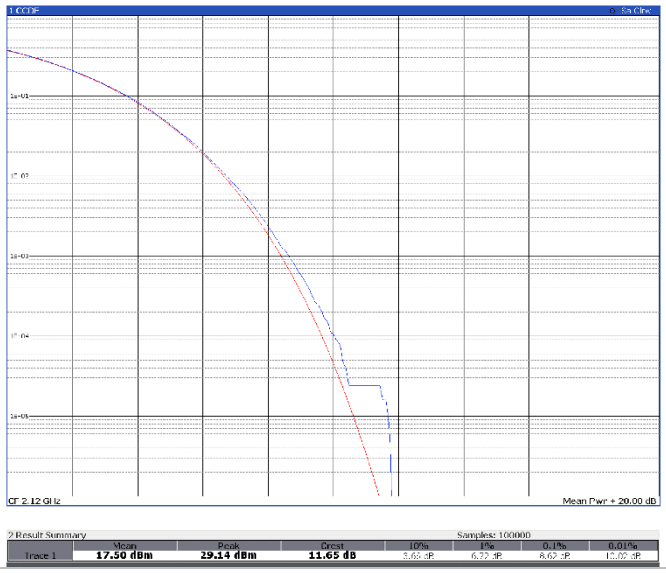
TM3p1a, 20 MHz, mid channel



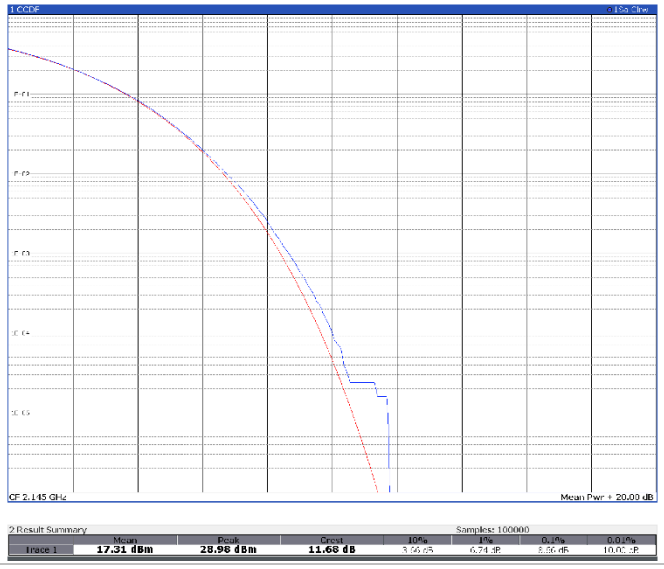
TM3p1a, 20 MHz, high channel



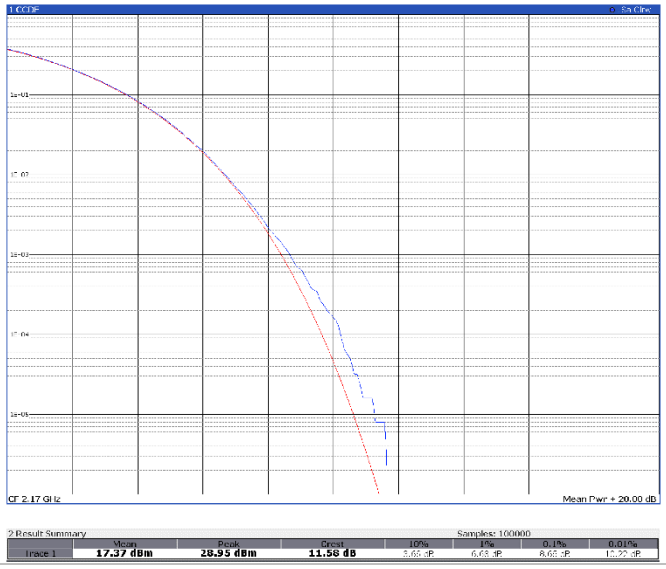
TM3p3, 20 MHz, low channel



TM3p3, 20 MHz, mid channel



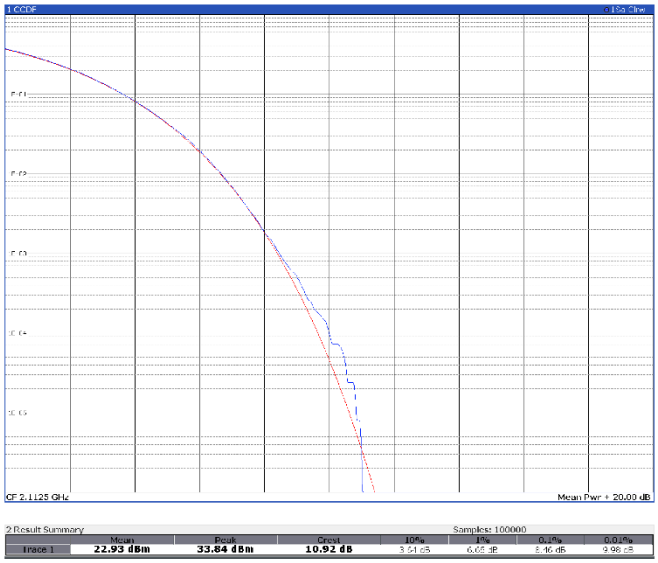
TM3p3, 20 MHz, high channel



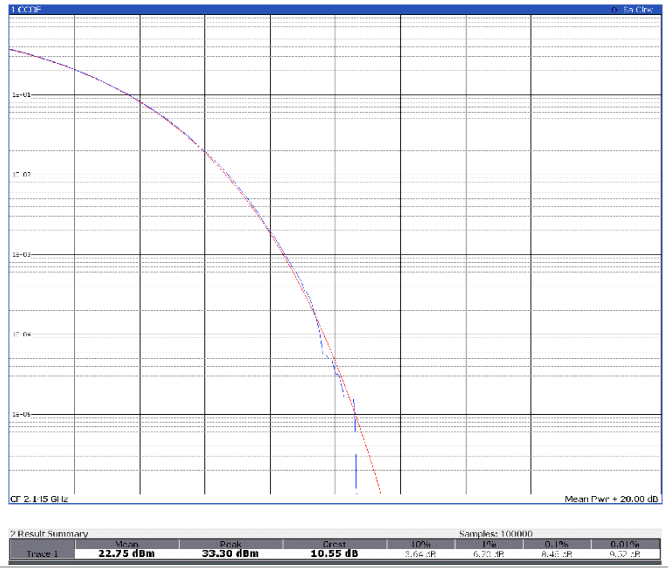
Antenna port 2

Band B66	**5 MHz**

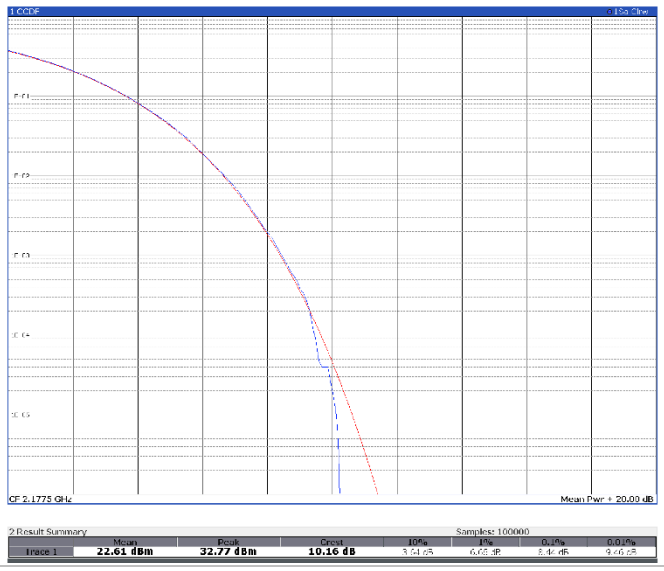
TM1.1, 5 MHz, low channel



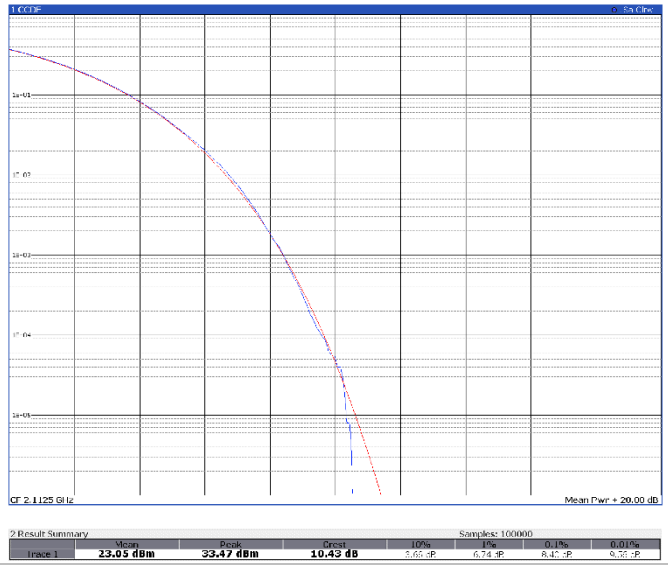
TM1.1, 5 MHz, mid channel



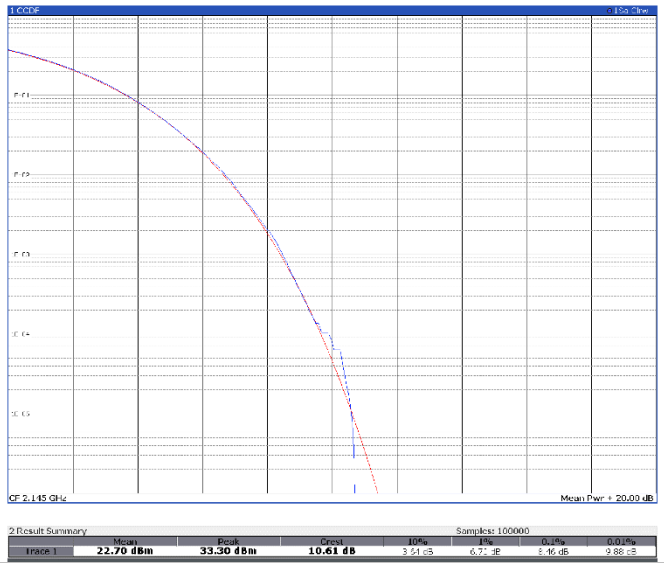
TM1.1, 5 MHz, high channel



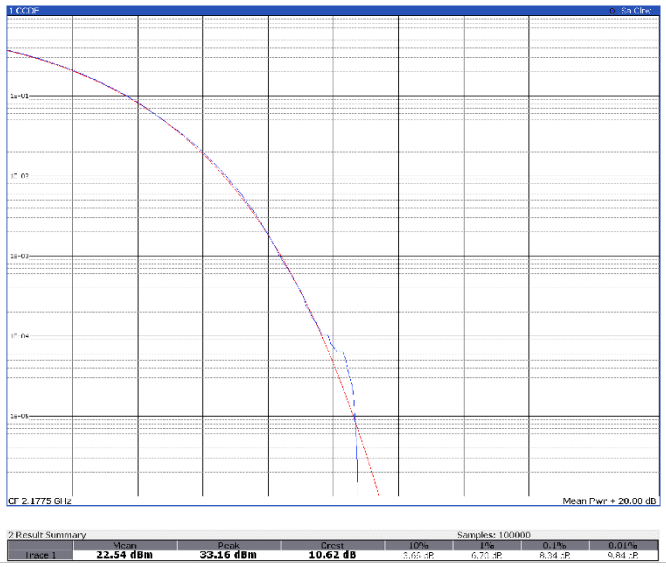
TM3p1, 5 MHz, low channel



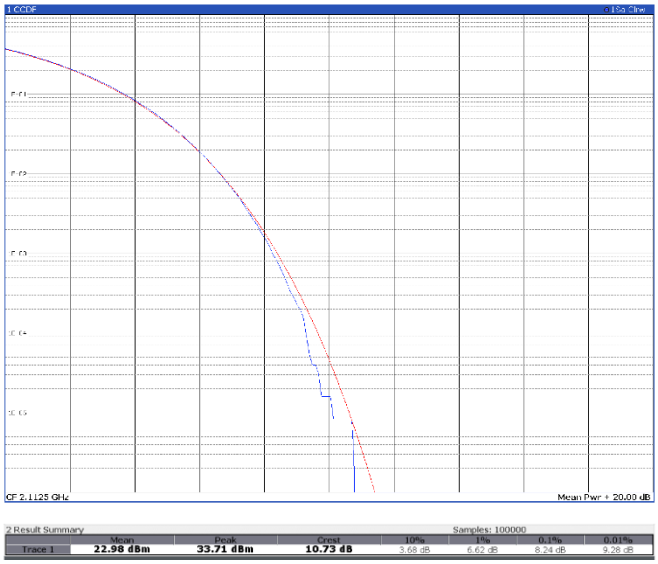
TM3p1, 5 MHz, mid channel



TM3p1, 5 MHz, high channel



TM3p1a, 5 MHz, low channel



TM3p1a, 5 MHz, mid channel