

Field Strength Measurement Results: ANT

Frequency (MHz)	DUT Modulation	Instrument Detector	Receive Antenna Polarity	Measured FS [FS _{Meas}] (dBuV)	Receive ACF [ACF] (dB)	Cable Loss [L _c] (dB)	Corrected FS [FS _{Corr}] (dBuV/m@3m)	Limit [FS _{Limit}] (dBuV/m)	Margin (dB)
2402.00	GFSK	RMS	Horizontal	61.27	28.281	2.97	92.52	94	1.5
2402.00			Vertical	50.95	28.281	2.97	82.20		11.8
2441.00			Horizontal	60.52	28.222	2.97	91.71		2.3
2441.00			Vertical	50.60	28.222	2.97	81.79		12.2
2480.00			Horizontal	60.36	28.172	2.97	91.50		2.5
2480.00			Vertical	49.56	28.172	2.97	80.70		13.3
2402.00		Peak	Horizontal	61.62	28.281	2.97	92.87	114	21.1
2402.00			Vertical	51.43	28.281	2.97	82.68		31.3
2441.00			Horizontal	61.43	28.222	2.97	92.62		21.4
2441.00			Vertical	51.63	28.222	2.97	82.82		31.2
2480.00			Horizontal	60.76	28.172	2.97	91.90		22.1
2480.00			Vertical	50.77	28.172	2.97	81.91		32.1
Result:									Complies

Corrected Field Strength [FS_{Corr}] = Measured FS [FS_{Meas}] + ACF [ACF] + Cable Los [L_c]

Margin = Limit [FS_{Limit}] - Corrected Field Strength [FS_{Corr}]

Field Strength:

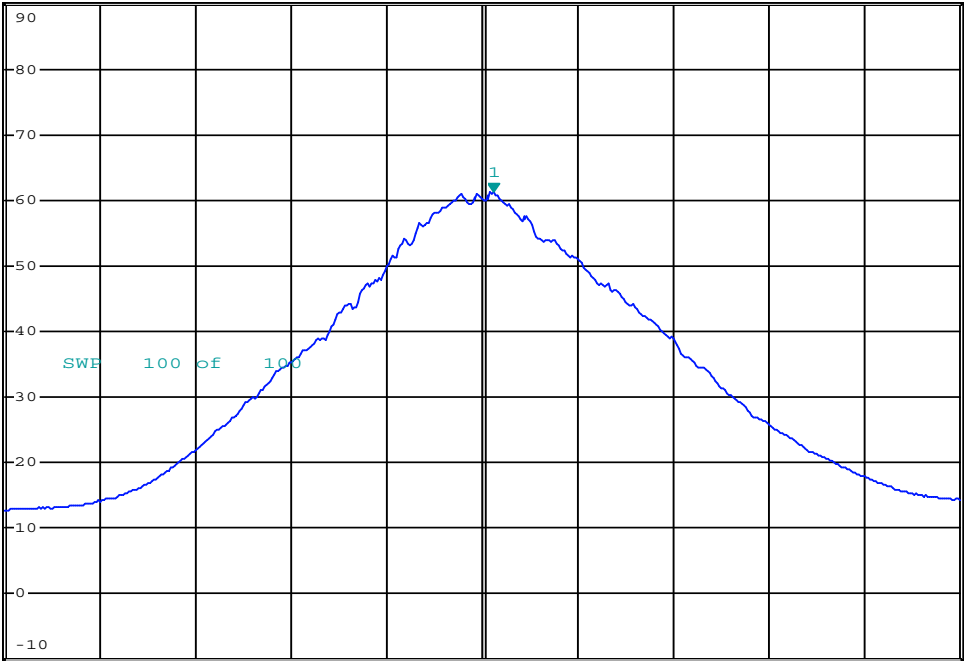


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 61.27 dBμV
*SWT 10 ms 2.402120000 GHz

Ref 90 dBμV

*Att 0 dB

1 RM
VIEW



Center 2.402 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:31:10

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2402	GFSK	Horizontal	RMS	61.27

Field Strength:

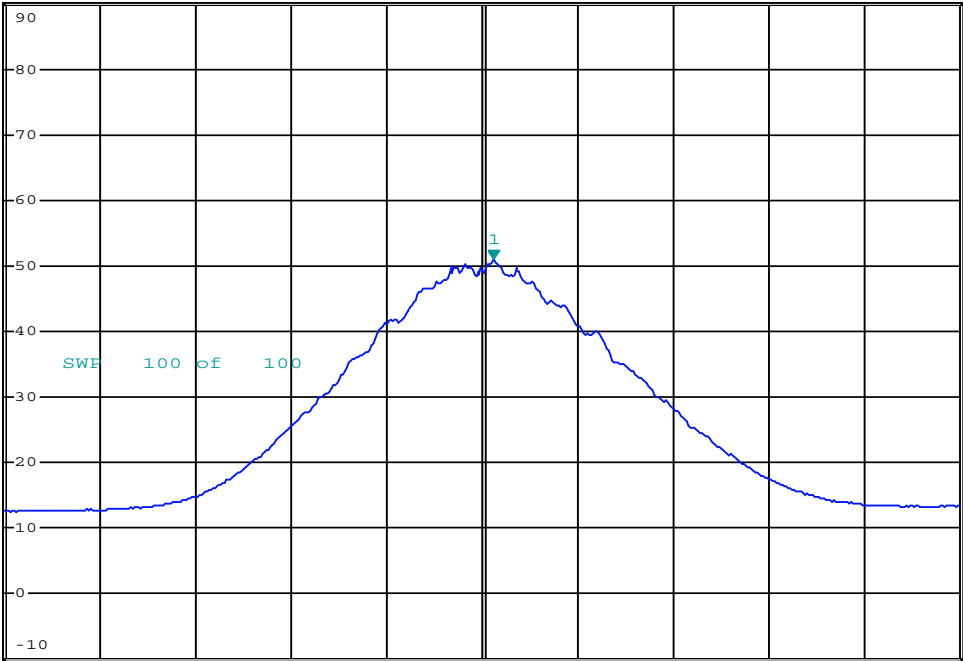


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.95 dBμV
*SWT 10 ms 2.402120000 GHz

Ref 90 dBμV

*Att 0 dB

1 RM
VIEW



Center 2.402 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:33:47

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2402	GFSK	Vertical	RMS	50.95

Field Strength:

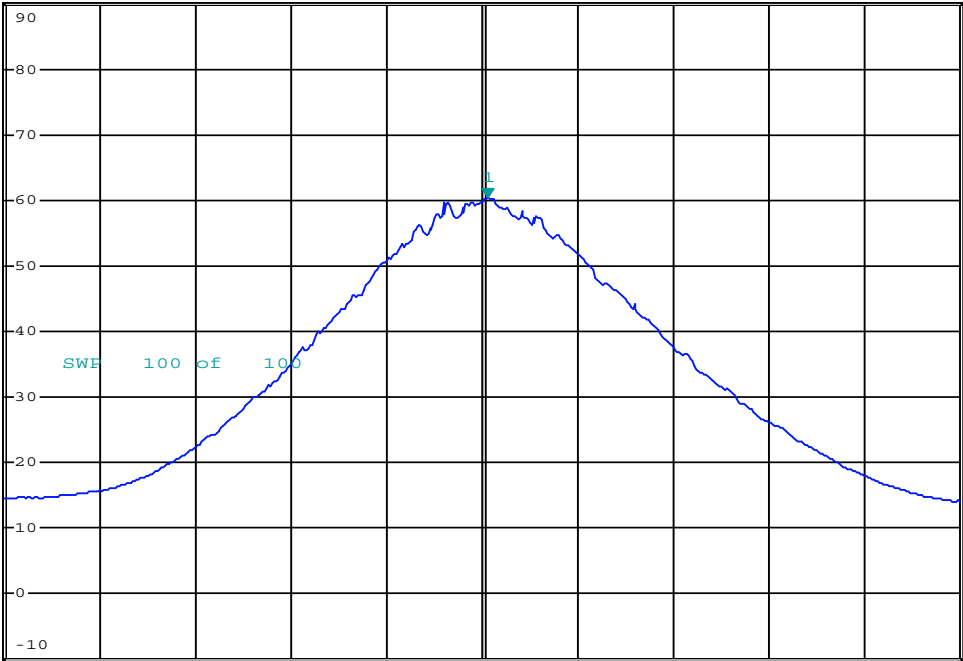


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 60.52 dBμV
*SWT 10 ms 2.441060000 GHz

Ref 90 dBμV

*Att 0 dB

1 RM
VIEW



Center 2.441 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:39:54

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2441	GFSK	Horizontal	RMS	60.52

Field Strength:

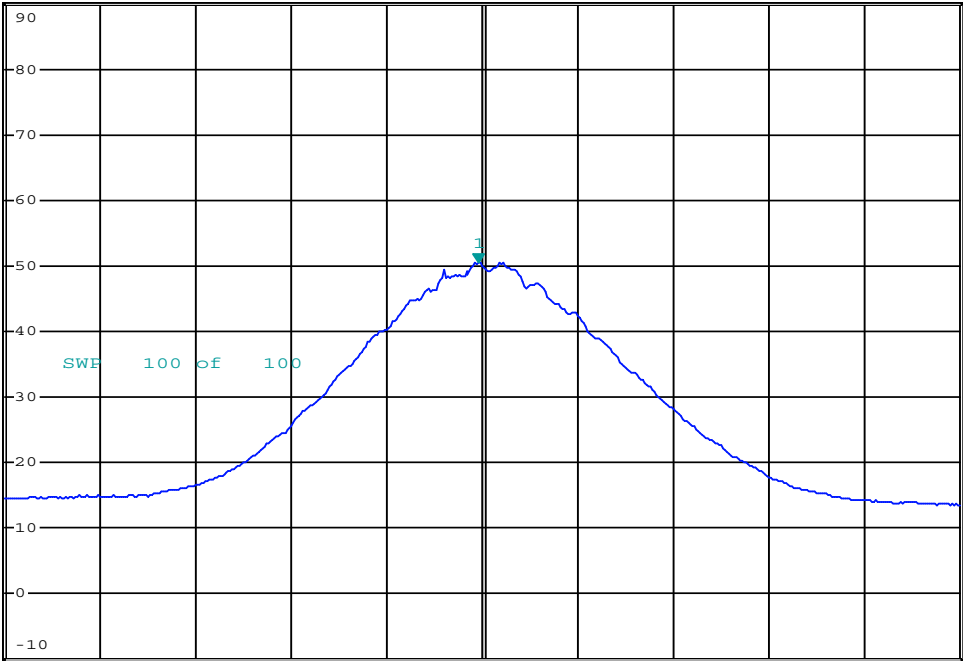


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.60 dBμV
*SWT 10 ms 2.440960000 GHz

Ref 90 dBμV

*Att 0 dB

1 RM
VIEW



Center 2.441 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:37:04

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2441	GFSK	Vertical	RMS	50.60

Field Strength:

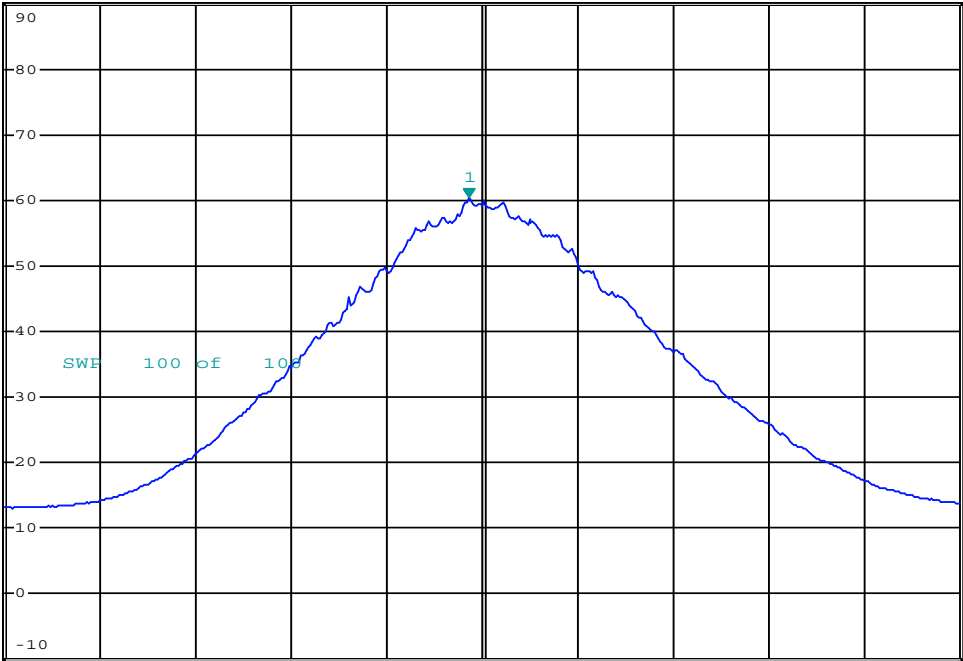


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 60.36 dBμV
*SWT 10 ms 2.479860000 GHz

Ref 90 dBμV

*Att 0 dB

1 RM
VIEW



Center 2.48 GHz

1 MHz/

Span 10 MHz

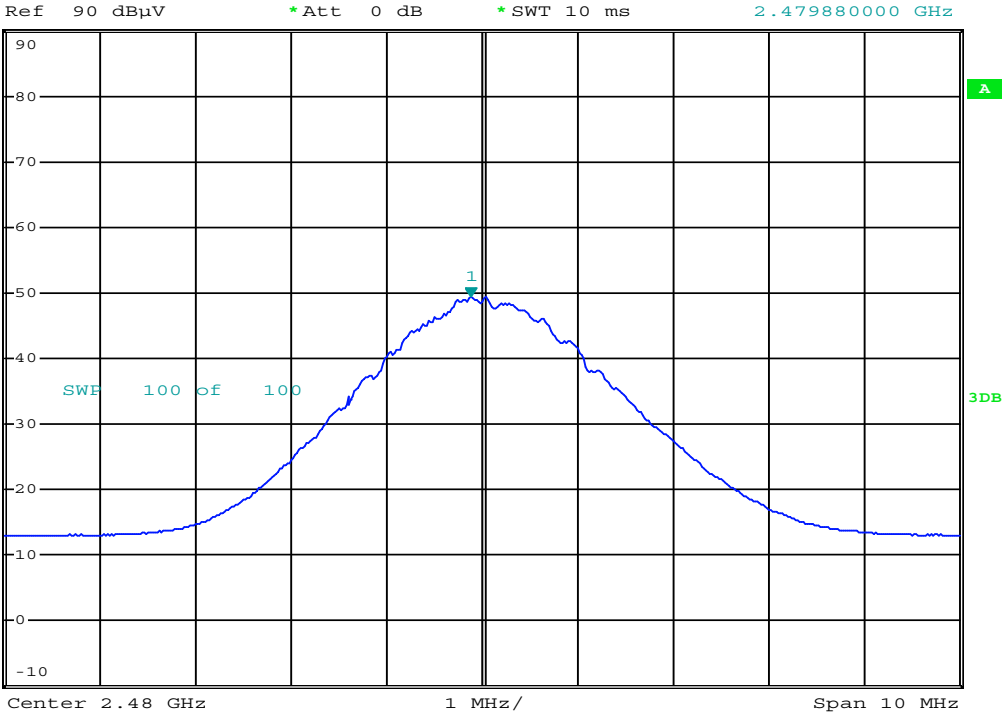
Date: 29.NOV.2021 13:42:50

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2480	GFSK	Horizontal	RMS	60.36

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 49.56 dBuV
*SWT 10 ms 2.479880000 GHz



Date: 29.NOV.2021 13:45:21

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBuV)
2480	GFSK	Vertical	RMS	49.56

Field Strength:

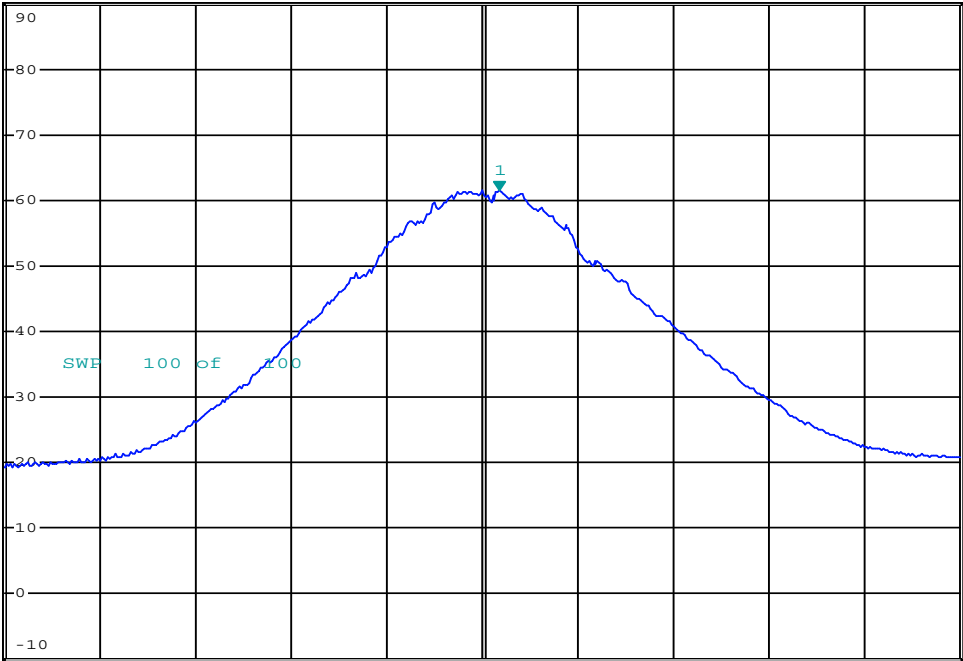


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 61.62 dBμV
*SWT 10 ms 2.402180000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



Center 2.402 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:31:37

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2402	GFSK	Horizontal	Peak	61.62

Field Strength:

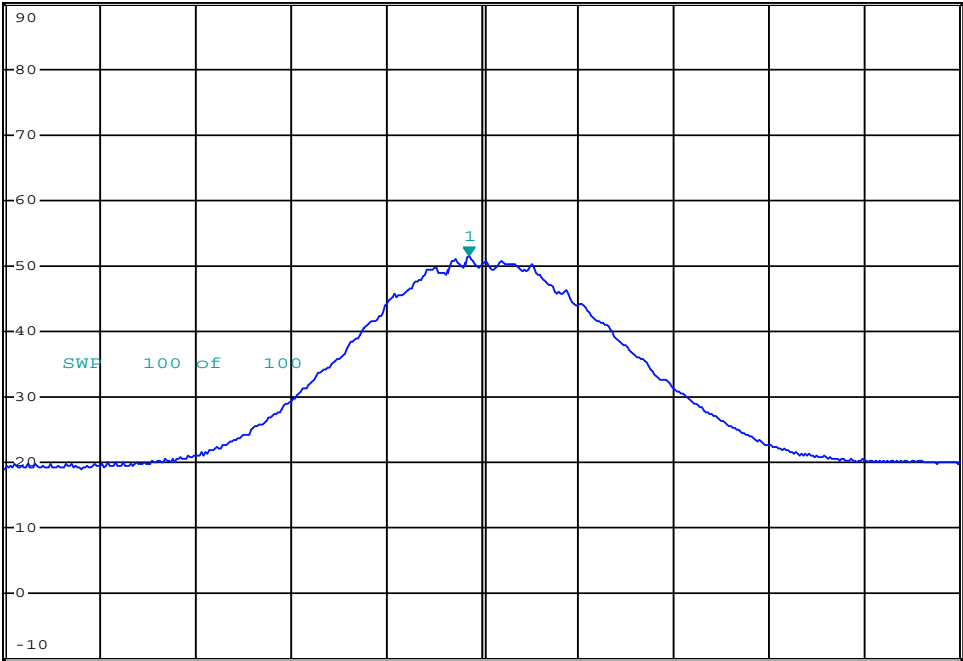


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 51.43 dBμV
*SWT 10 ms 2.401860000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



Center 2.402 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:33:17

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2402	GFSK	Vertical	Peak	51.43

Field Strength:

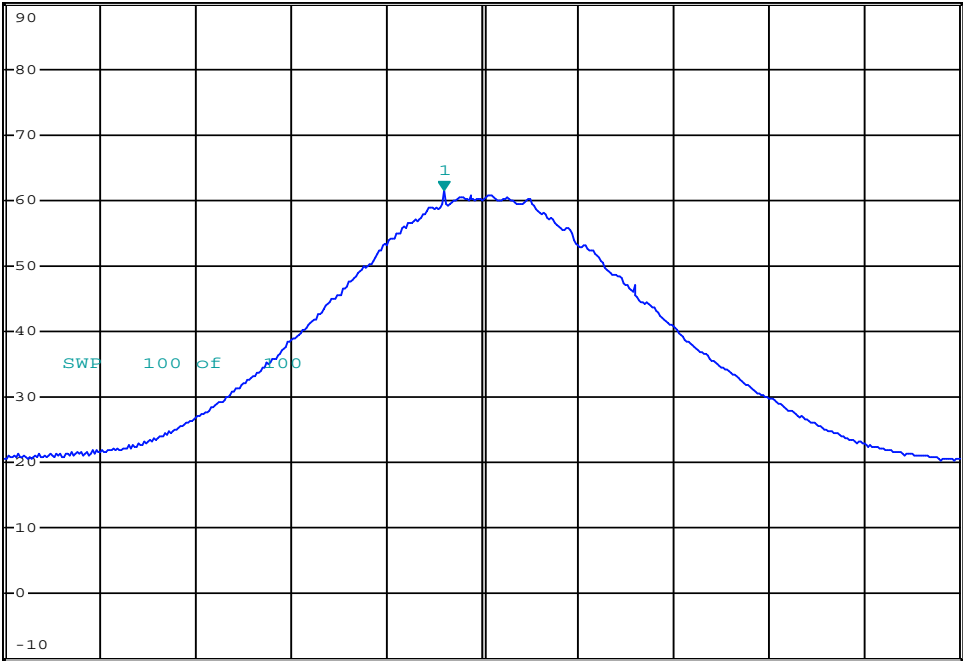


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 61.43 dBμV
*SWT 10 ms 2.440600000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



A

3DB

Center 2.441 GHz

1 MHz/

Span 10 MHz

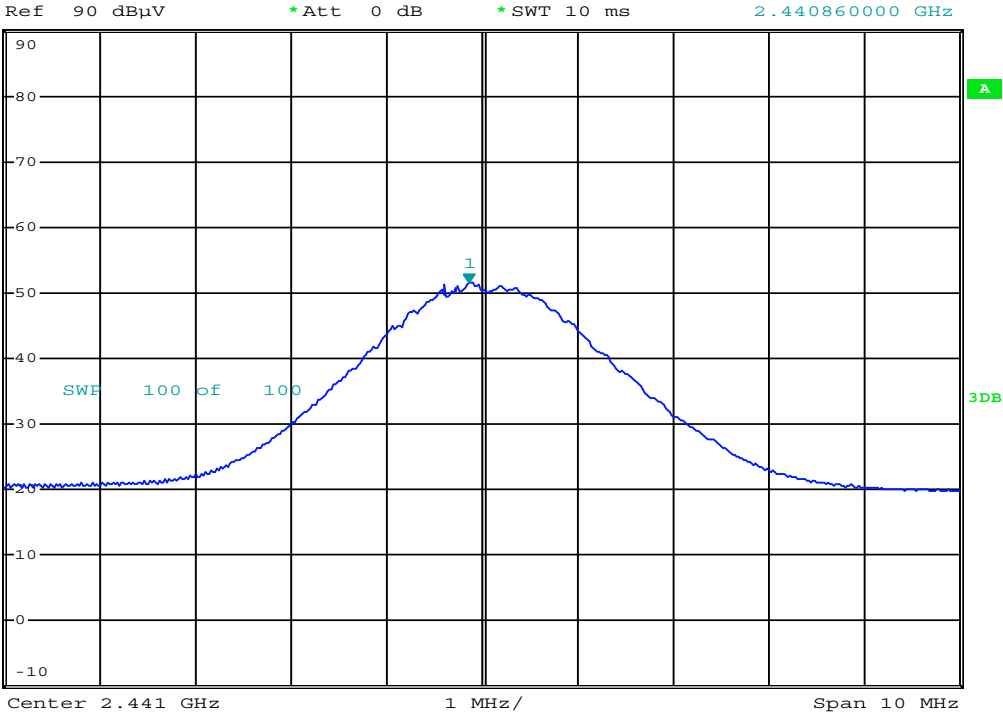
Date: 29.NOV.2021 13:39:07

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2441	GFSK	Horizontal	Peak	61.43

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 51.61 dBμV
*SWT 10 ms 2.440860000 GHz



Date: 29.NOV.2021 13:37:37

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2441	GFSK	Vertical	Peak	51.63

Field Strength:

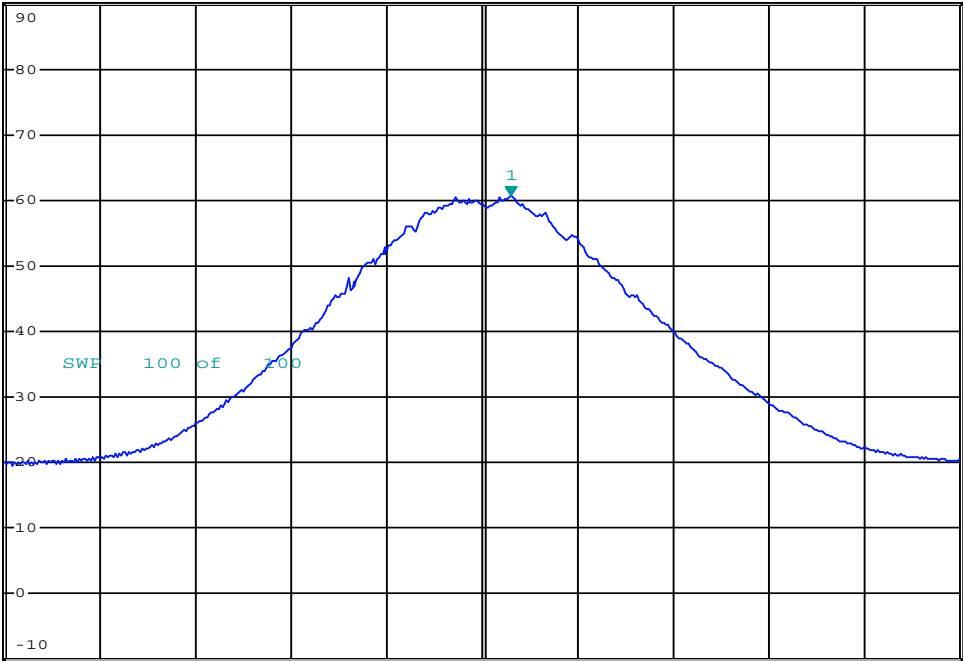


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 60.76 dBμV
*SWT 10 ms 2.480300000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



Center 2.48 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:43:23

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2480	GFSK	Horizontal	Peak	60.76

Field Strength:

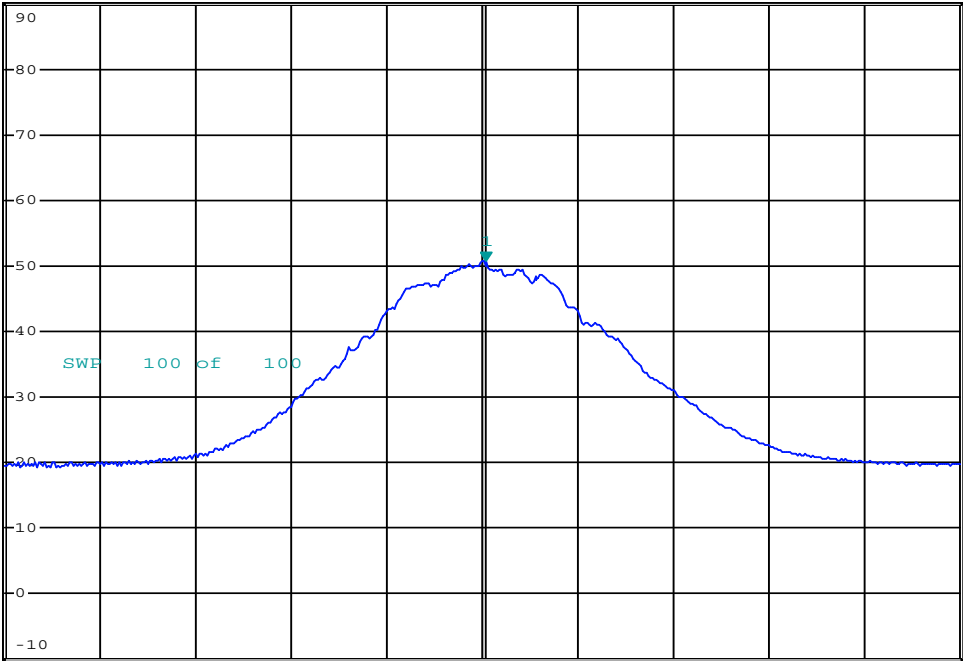


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 50.77 dBμV
*SWT 10 ms 2.480040000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



Center 2.48 GHz

1 MHz/

Span 10 MHz

Date: 29.NOV.2021 13:44:50

Channel Frequency (MHz)	DUT Modulation	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
2480	GFSK	Vertical	Peak	50.77

Conducted Power Measurement Results:

Frequency (GHz)	Channel Bandwidth (MHz)	Instrument Detector	Receive Antenna Polarity	Measured FS [FS _{Meas}] (dBuV)	Receive ACF [ACF] (dB)	Cable Loss [L _c] (dB)	Corrected FS [FS _{Corr}] (dBuV/m@3m)	Limit [FS _{Limit}] (dBuV/m)	Margin (dB)
24.14	24.00	RMS	Horizontal*	34.10	42.8	2.39	79.29	108	28.7
24.02	24.00	RMS	Vertical	43.02	42.8	2.39	88.21		19.8
24.14				48.12	42.8	2.39	93.31		14.7
24.22				48.91	42.8	2.39	94.10		13.9
24.04	48.00			48.17	42.8	2.39	93.36		14.6
24.11				48.32	42.8	2.39	93.51		14.5
24.19				46.33	42.8	2.39	91.52		16.5
24.02	24.00	Peak		60.83	42.8	2.39	106.02	128	22.0
24.14				58.21	42.8	2.39	103.40		24.6
24.22				59.75	42.8	2.39	104.94		23.1
24.04	48.00			60.14	42.8	2.39	105.33		22.7
24.11				60.24	42.8	2.39	105.43		22.6
24.19				59.02	42.8	2.39	104.21		23.8
Result:									Complies

Corrected Field Strength [FSC_{corr}] = Measured FS [FS_{Meas}] + ACF [ACF] + Cable Los [L_c]

Margin = Limit [FS_{Limit}] - Corrected Field Strength [FS_{Corr}]

*Due to the highly polarized nature of radar, field strength measurements in the Horizontal Polarization were non-existent.

Field Strength:

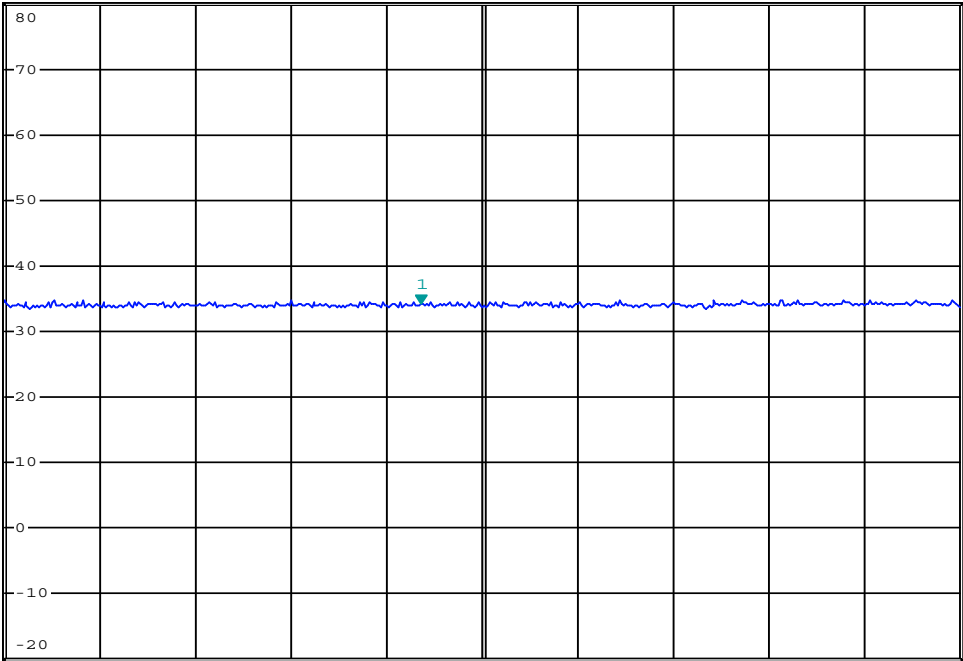


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 34.10 dBμV
SWT 20 ms 24.127200000 GHz

Ref 80 dBμV

*Att 0 dB

1 RM
VIEW



Center 24.14 GHz 20 MHz/ Span 200 MHz

Date: 29.NOV.2021 10:33:10

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.14	24	Horizontal	RMS	34.10

Field Strength:

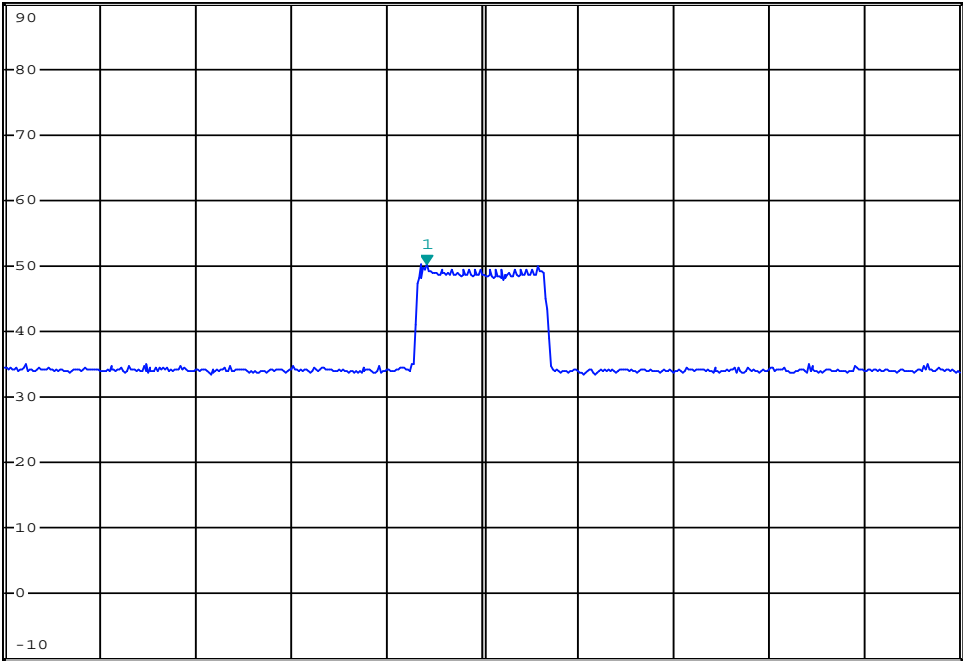


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.33 dBμV
SWT 20 ms 24.012000000 GHz

Ref 90 dBμV

*Att 0 dB

1 RM
VIEW



Center 24.0236 GHz 20 MHz/ Span 200 MHz

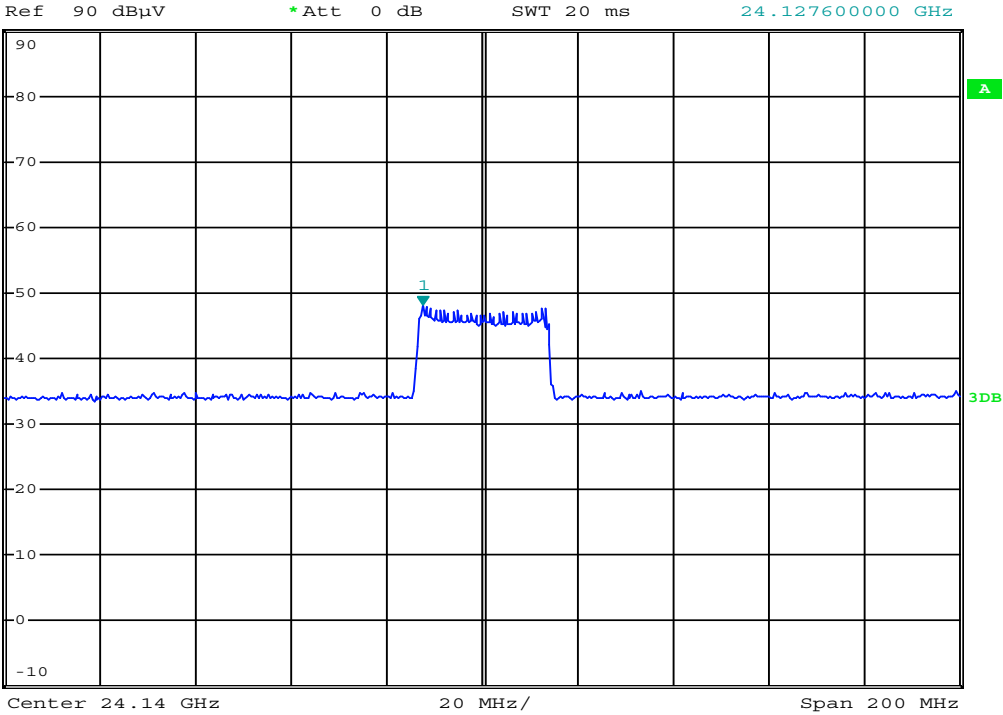
Date: 29.NOV.2021 11:07:47

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.02	24	Vertical	RMS	43.02

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 48.12 dBuV
SWT 20 ms 24.127600000 GHz



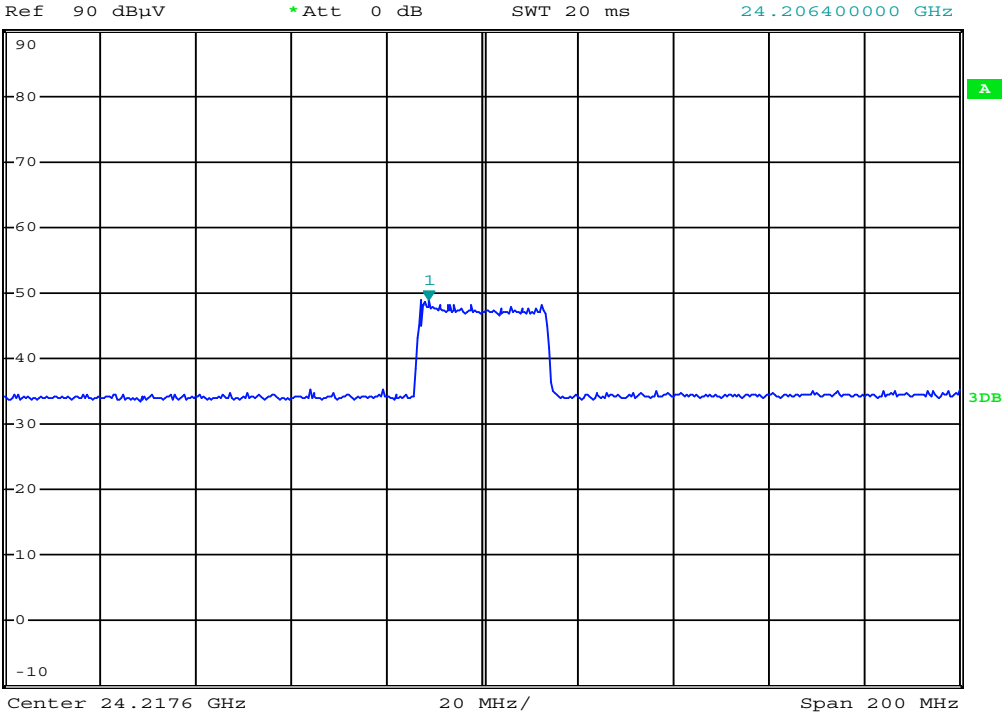
Date: 29.NOV.2021 10:56:47

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBuV)
24.14	24	Vertical	RMS	48.12

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 48.91 dBuV
SWT 20 ms 24.206400000 GHz



Date: 29.NOV.2021 10:53:41

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBuV)
24.22	24	Vertical	RMS	48.91

Field Strength:

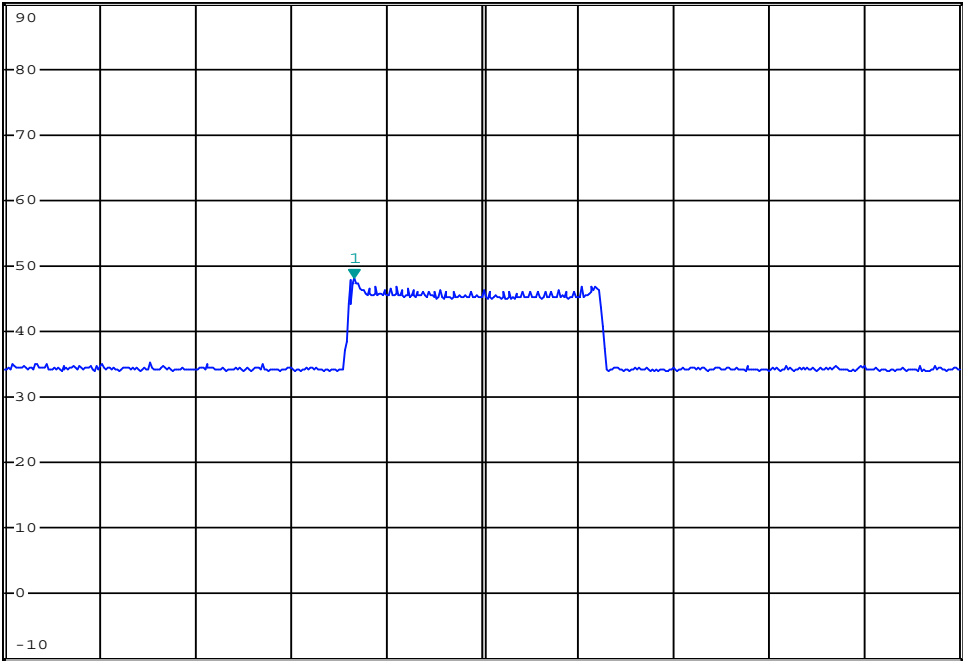


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 48.17 dBμV
SWT 20 ms 24.01000000 GHz

Ref 90 dBμV

*Att 0 dB

1 RM
VIEW



Center 24.0368 GHz 20 MHz/ Span 200 MHz

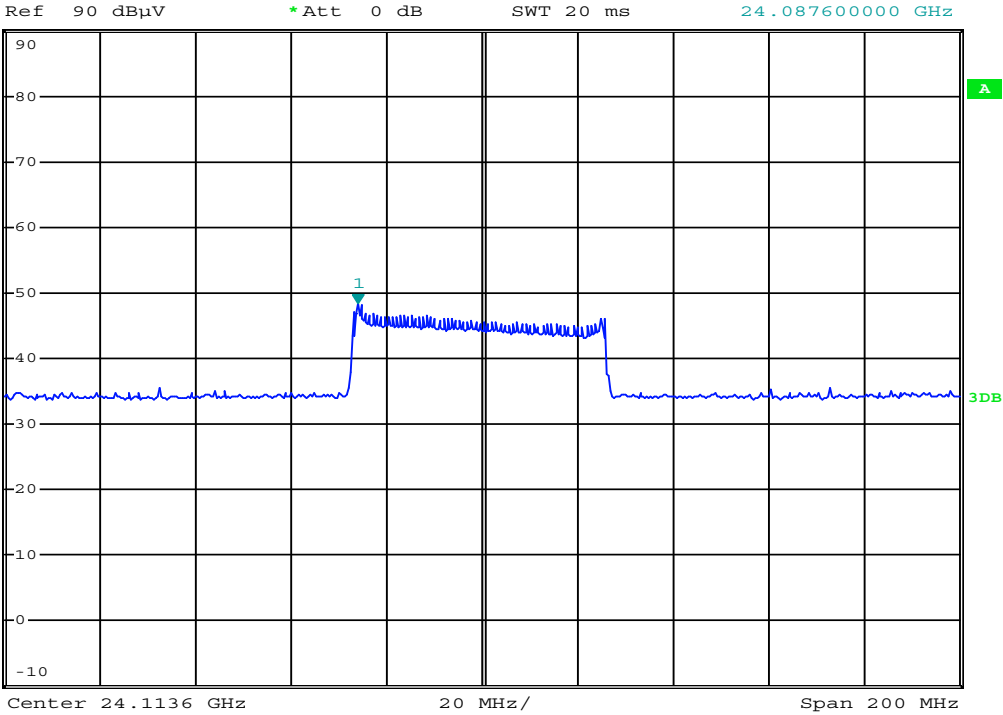
Date: 29.NOV.2021 11:11:12

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.04	48	Vertical	RMS	48.17

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 48.32 dBμV
SWT 20 ms 24.087600000 GHz



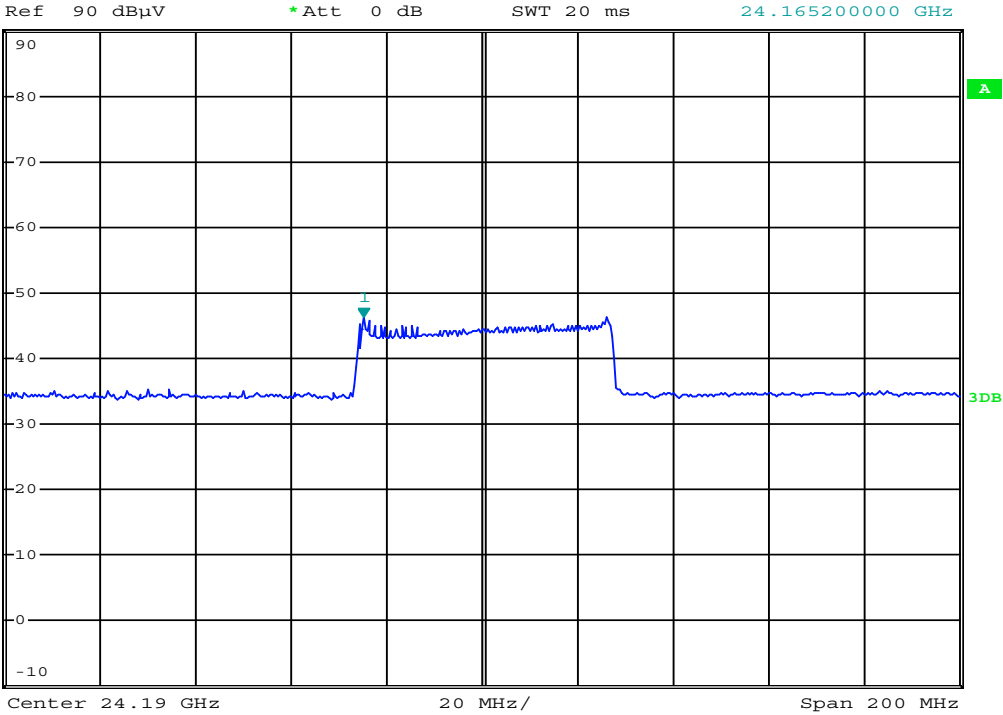
Date: 29.NOV.2021 11:14:49

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.11	48	Vertical	RMS	48.32

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 46.33 dBμV
SWT 20 ms 24.165200000 GHz



Date: 29.NOV.2021 11:17:29

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.19	48	Vertical	RMS	46.33

Field Strength:

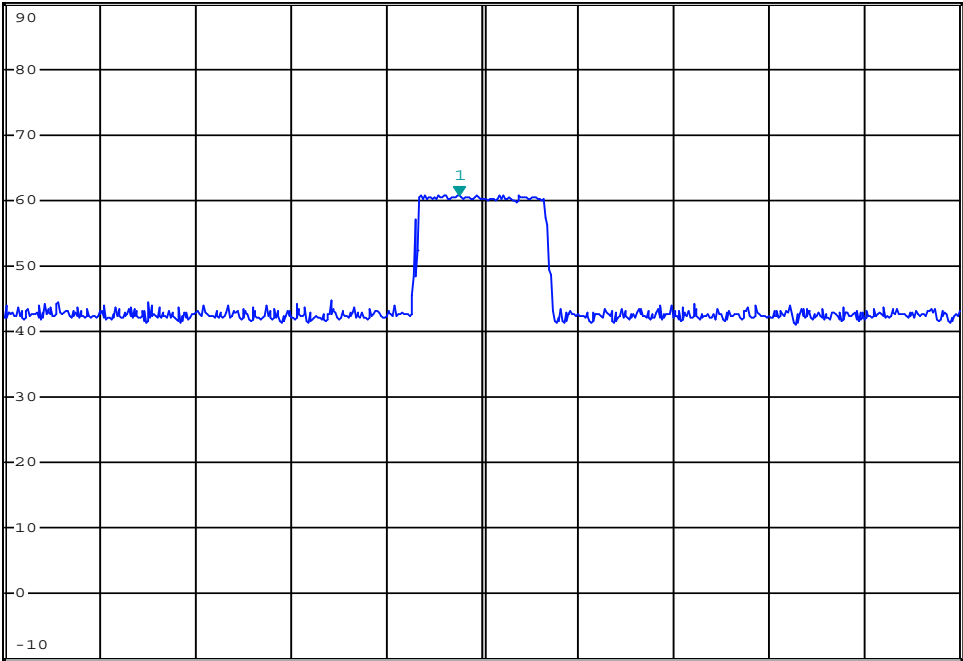


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 60.83 dBμV
SWT 20 ms 24.018800000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



Center 24.0236 GHz 20 MHz/ Span 200 MHz

Date: 29.NOV.2021 11:07:18

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.02	24	Vertical	Peak	60.83

Field Strength:

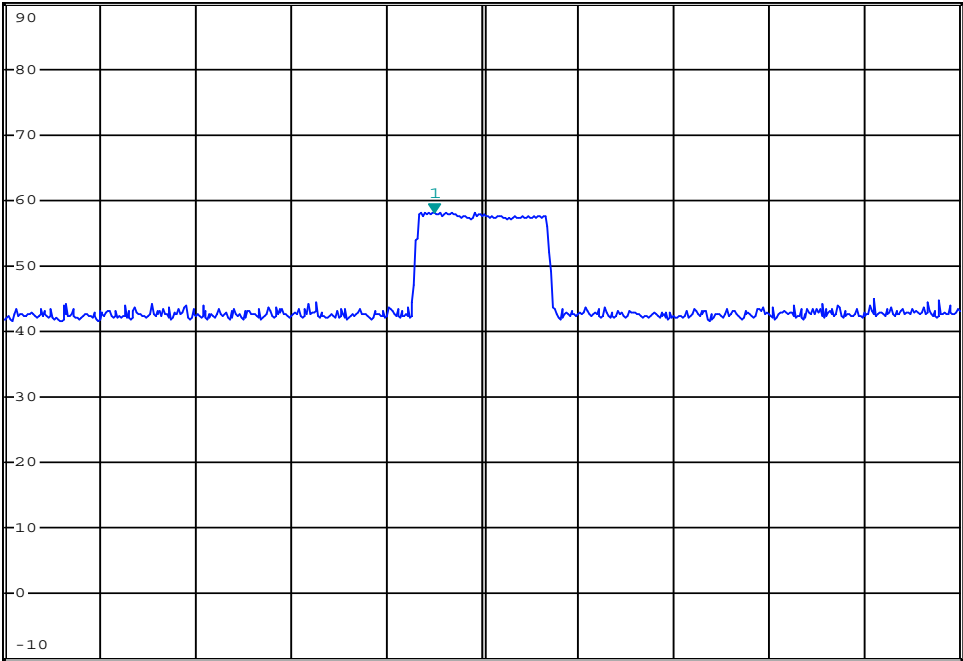


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 58.21 dBμV
SWT 20 ms 24.130000000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



Center 24.14 GHz

20 MHz/

Span 200 MHz

Date: 29.NOV.2021 10:57:19

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.14	24	Vertical	Peak	58.21

Field Strength:

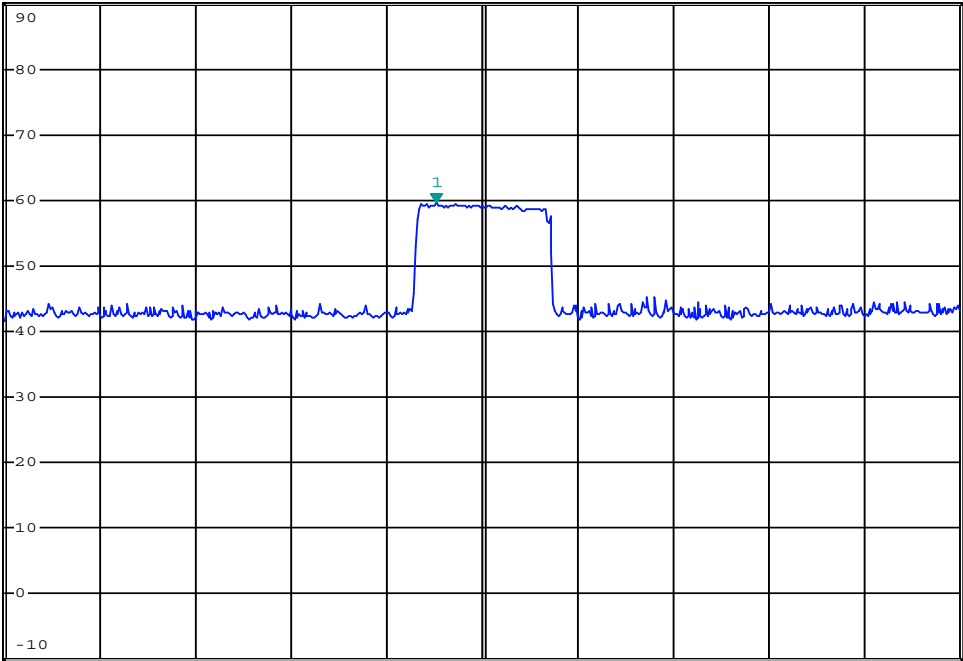


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 59.75 dBμV
SWT 20 ms 24.208000000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



Center 24.2176 GHz 20 MHz/ Span 200 MHz

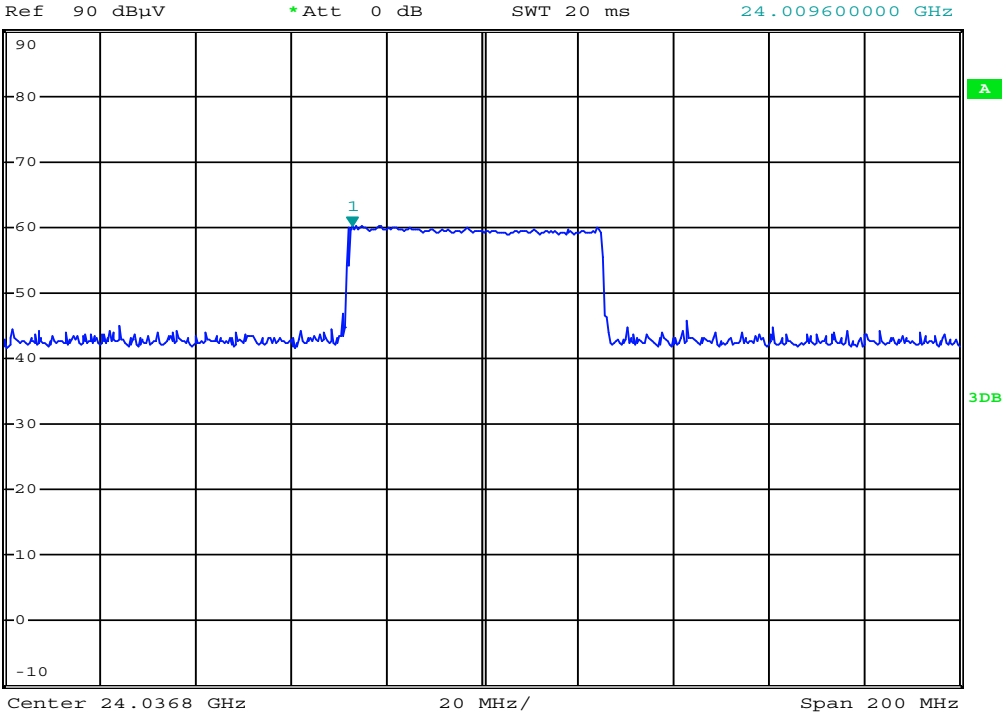
Date: 29.NOV.2021 10:53:07

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.22	24	Vertical	Peak	59.75

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 60.14 dBμV
SWT 20 ms 24.009600000 GHz



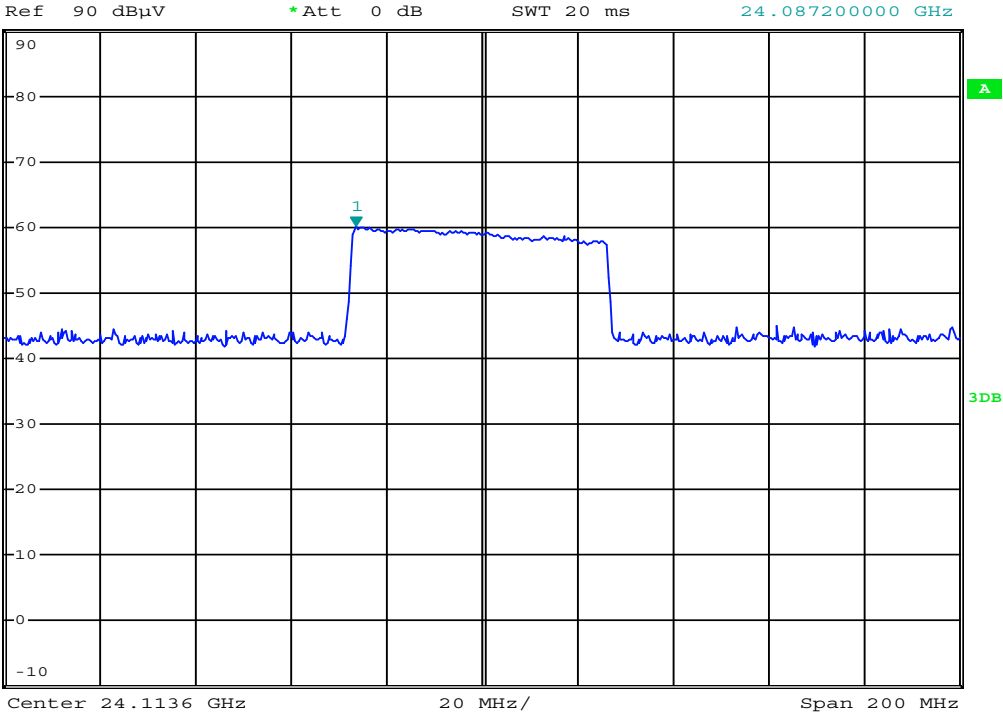
Date: 29.NOV.2021 11:11:34

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.04	48	Vertical	Peak	60.14

Field Strength:



*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 60.24 dBμV
SWT 20 ms 24.087200000 GHz



Date: 29.NOV.2021 11:14:15

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.11	48	Vertical	Peak	60.24

Field Strength:

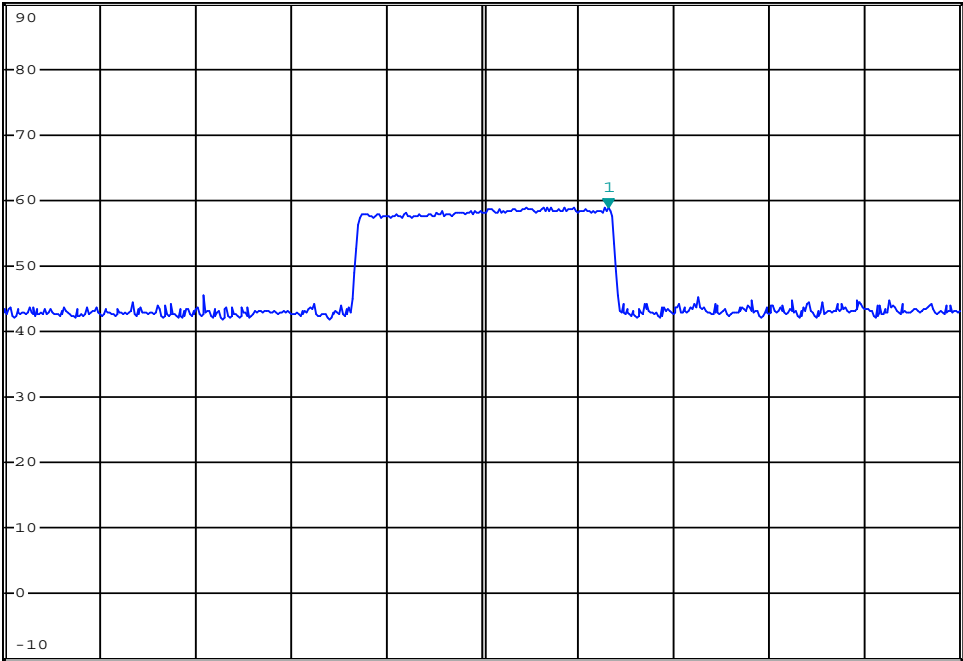


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz 59.02 dBμV
SWT 20 ms 24.216400000 GHz

Ref 90 dBμV

*Att 0 dB

1 PK
VIEW



A

3DB

Center 24.19 GHz

20 MHz/

Span 200 MHz

Date: 29.NOV.2021 11:17:53

Channel Frequency (GHz)	Channel Bandwidth (MHz)	Receive Antenna Polarity	Instrument Detector	Measured Amplitude (dBμV)
24.19	48	Vertical	Peak	59.02