Test Graphs

11A-Ant1-5745	11A-Ant1-5785
11A-Ant1-5825	**11N20SISO-Ant1-5745**
11N20SISO-Ant1-5785	**11N20SISO-Ant1-5825**
11N40SISO-Ant1-5755	**11N40SISO-Ant1-5795**

11AC20SISO-Ant1-5745

11AC20SISO-Ant1-5785

11AC20SISO-Ant1-5825

11AC40SISO-Ant1-5755

11AC40SISO-Ant1-5795

11AC80SISO-Ant1-5775

11A-Ant2-5745

11A-Ant2-5785

11A-Ant2-5825

11N20SISO-Ant2-5745

11N20SISO-Ant2-5785

11N20SISO-Ant2-5825

11N40SISO-Ant2-5755

11N40SISO-Ant2-5795

11AC20SISO-Ant2-5745

11AC20SISO-Ant2-5785

11AC20SISO-Ant2-5825

11AC40SISO-Ant2-5755

11AC40SISO-Ant2-5795

11AC80SISO-Ant2-5775

11N20MIMO-Ant1-5745

11N20MIMO-Ant2-5745

11N20MIMO-Ant1-5785

11N20MIMO-Ant2-5785

11N20MIMO-Ant1-5825

11N20MIMO-Ant2-5825

11N40MIMO-Ant1-5755

11N40MIMO-Ant2-5755

11N40MIMO-Ant1-5795

11N40MIMO-Ant2-5795

11AC20MIMO-Ant1-5745

11AC20MIMO-Ant2-5745

11AC20MIMO-Ant1-5785

11AC20MIMO-Ant2-5785

11AC20MIMO-Ant1-5825

11AC20MIMO-Ant2-5825

11AC40MIMO-Ant1-5755

11AC40MIMO-Ant2-5755

11AC40MIMO-Ant1-5795

11AC40MIMO-Ant2-5795

11AC80MIMO-Ant1-5775

11AC80MIMO-Ant2-5775

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Frequency
Center Frequency
5.775000000 GHz
Settings
1 Spectrum
Ref Lvl Offset 12.29 dB
Ref Level 20.00 dBm
ΔMkr3 73.92 MHz
0.20 dB
Scale/Div 10 dB
Span
160.000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
AUTO TUNE
Center 5.77500 GHz
#Video BW 300 kHz
Span 160.0 MHz
#Res BW 100 kHz
Sweep 5.93 ms (1001 pts)
CF Step
16.000000 MHz
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 f 5.738 68 GHz -5.371 dBm
2 N 1 f 5.792 44 GHz -0.9772 dBm
3 Δ1 1 f (Δ) 73.92 MHz (Δ) 0.1975 dB
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Local
Dec 06, 2022
1:42:57 PM

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Frequency
Center Frequency
5.775000000 GHz
Settings
1 Spectrum
Ref Lvl Offset 12.29 dB
Ref Level 20.00 dBm
ΔMkr3 73.92 MHz
1.75 dB
Scale/Div 10 dB
Span
160.000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
AUTO TUNE
Center 5.77500 GHz
#Video BW 300 kHz
Span 160.0 MHz
#Res BW 100 kHz
Sweep 5.93 ms (1001 pts)
CF Step
16.000000 MHz
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 f 5.738 68 GHz -7.792 dBm
2 N 1 f 5.792 44 GHz -1.902 dBm
3 Δ1 1 f (Δ) 73.92 MHz (Δ) 1.746 dB
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Local
Dec 06, 2022
1:44:56 PM

4. Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Rate	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	6Mbps	2.07	2.27	91.19
11A	Ant1	5200	6Mbps	2.07	2.24	92.41
11A	Ant1	5240	6Mbps	2.06	2.27	90.75
11A	Ant1	5745	6Mbps	2.06	2.29	89.96
11A	Ant1	5785	6Mbps	2.07	2.30	90.00
11A	Ant1	5825	6Mbps	2.07	2.26	91.59
11N20SISO	Ant1	5180	MCS0	1.92	2.13	90.14
11N20SISO	Ant1	5200	MCS0	1.92	2.15	89.30
11N20SISO	Ant1	5240	MCS0	1.91	2.14	89.25
11N20SISO	Ant1	5745	MCS0	1.92	2.11	91.00
11N20SISO	Ant1	5785	MCS0	1.92	2.13	90.14
11N20SISO	Ant1	5825	MCS0	1.92	2.11	91.00
11N40SISO	Ant1	5190	MCS0	0.95	1.13	84.07
11N40SISO	Ant1	5230	MCS0	0.95	1.13	84.07
11N40SISO	Ant1	5755	MCS0	0.95	1.09	87.16
11N40SISO	Ant1	5795	MCS0	0.94	1.06	88.68
11AC20SISO	Ant1	5180	MCS0	1.93	2.18	88.53
11AC20SISO	Ant1	5200	MCS0	1.94	2.15	90.23
11AC20SISO	Ant1	5240	MCS0	1.93	2.19	88.13
11AC20SISO	Ant1	5745	MCS0	1.93	2.18	88.53
11AC20SISO	Ant1	5785	MCS0	1.93	2.19	88.13
11AC20SISO	Ant1	5825	MCS0	1.93	2.19	88.13
11AC40SISO	Ant1	5190	MCS0	0.95	1.12	84.82
11AC40SISO	Ant1	5230	MCS0	0.95	1.17	81.20
11AC40SISO	Ant1	5755	MCS0	0.95	1.13	84.07
11AC40SISO	Ant1	5795	MCS0	0.95	1.11	85.59
11AC80SISO	Ant1	5210	MCS0	0.46	0.66	69.70
11AC80SISO	Ant1	5775	MCS0	0.46	0.71	64.79
11A	Ant2	5180	6Mbps	2.06	2.30	89.57
11A	Ant2	5200	6Mbps	2.07	2.29	90.39
11A	Ant2	5240	6Mbps	2.07	2.26	91.59
11A	Ant2	5745	6Mbps	2.06	2.19	94.06
11A	Ant2	5785	6Mbps	2.06	2.29	89.96
11A	Ant2	5825	6Mbps	2.07	2.21	93.67
11N20SISO	Ant2	5180	MCS0	1.92	2.08	92.31
11N20SISO	Ant2	5200	MCS0	1.92	2.05	93.66
11N20SISO	Ant2	5240	MCS0	1.92	2.15	89.30
11N20SISO	Ant2	5745	MCS0	1.93	2.14	90.19

11N20SISO	Ant2	5785	MCS0	1.92	2.15	89.30
11N20SISO	Ant2	5825	MCS0	1.91	2.12	90.09
11N40SISO	Ant2	5190	MCS0	0.94	1.11	84.68
11N40SISO	Ant2	5230	MCS0	0.95	1.17	81.20
11N40SISO	Ant2	5755	MCS0	0.94	1.18	79.66
11N40SISO	Ant2	5795	MCS0	0.94	1.16	81.03
11AC20SISO	Ant2	5180	MCS0	1.93	2.17	88.94
11AC20SISO	Ant2	5200	MCS0	1.94	2.17	89.40
11AC20SISO	Ant2	5240	MCS0	1.93	2.13	90.61
11AC20SISO	Ant2	5745	MCS0	1.93	2.08	92.79
11AC20SISO	Ant2	5785	MCS0	1.93	2.19	88.13
11AC20SISO	Ant2	5825	MCS0	1.94	2.08	93.27
11AC40SISO	Ant2	5190	MCS0	0.95	1.16	81.90
11AC40SISO	Ant2	5230	MCS0	0.95	1.21	78.51
11AC40SISO	Ant2	5755	MCS0	0.95	1.11	85.59
11AC40SISO	Ant2	5795	MCS0	0.95	1.17	81.20
11AC80SISO	Ant2	5210	MCS0	0.46	0.63	73.02
11AC80SISO	Ant2	5775	MCS0	0.46	0.66	69.70
11N20MIMO	Ant1	5180	MCS0	1.92	2.08	92.31
11N20MIMO	Ant2	5180	MCS0	1.93	2.14	90.19
11N20MIMO	Ant1	5200	MCS0	1.92	2.12	90.57
11N20MIMO	Ant2	5200	MCS0	1.93	2.15	89.77
11N20MIMO	Ant1	5240	MCS0	1.92	2.15	89.30
11N20MIMO	Ant2	5240	MCS0	1.92	2.13	90.14
11N20MIMO	Ant1	5745	MCS0	1.92	2.14	89.72
11N20MIMO	Ant2	5745	MCS0	1.92	2.12	90.57
11N20MIMO	Ant1	5785	MCS0	1.92	2.15	89.30
11N20MIMO	Ant2	5785	MCS0	1.92	2.10	91.43
11N20MIMO	Ant1	5825	MCS0	1.92	2.13	90.14
11N20MIMO	Ant2	5825	MCS0	1.92	2.07	92.75
11N40MIMO	Ant1	5190	MCS0	0.94	1.14	82.46
11N40MIMO	Ant2	5190	MCS0	0.94	1.17	80.34
11N40MIMO	Ant1	5230	MCS0	0.95	1.13	84.07
11N40MIMO	Ant2	5230	MCS0	0.94	1.15	81.74
11N40MIMO	Ant1	5755	MCS0	0.94	1.16	81.03
11N40MIMO	Ant2	5755	MCS0	0.95	1.15	82.61
11N40MIMO	Ant1	5795	MCS0	0.94	1.15	81.74
11N40MIMO	Ant2	5795	MCS0	0.95	1.17	81.20
11AC20MIMO	Ant1	5180	MCS0	1.93	2.15	89.77
11AC20MIMO	Ant2	5180	MCS0	1.93	2.14	90.19
11AC20MIMO	Ant1	5200	MCS0	1.93	2.14	90.19
11AC20MIMO	Ant2	5200	MCS0	1.93	2.11	91.47
11AC20MIMO	Ant1	5240	MCS0	1.93	2.17	88.94
11AC20MIMO	Ant2	5240	MCS0	1.94	2.17	89.40