



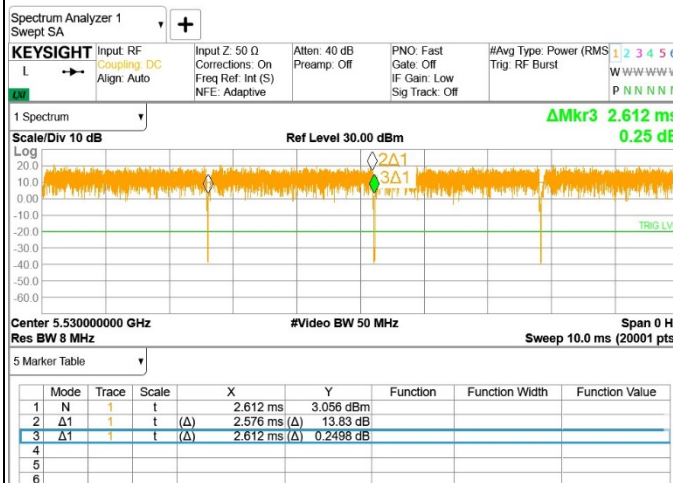
BUREAU
VERITAS

802.11ax HE80

ALL

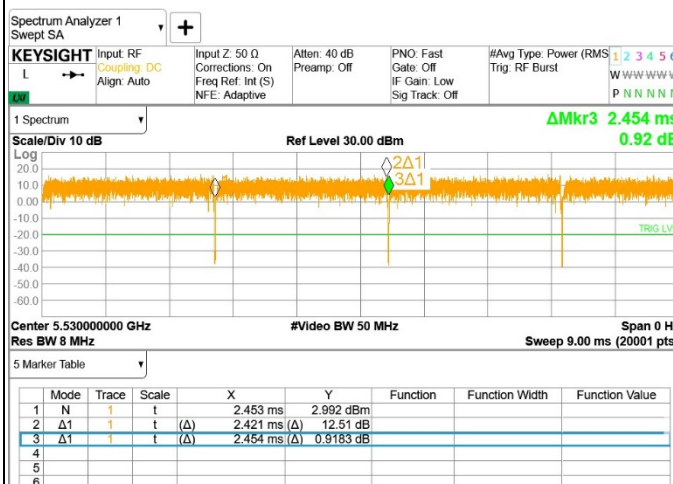
26T

52T



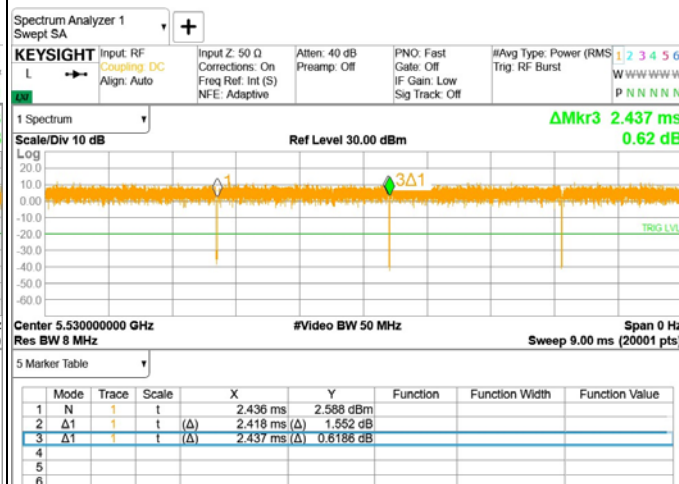
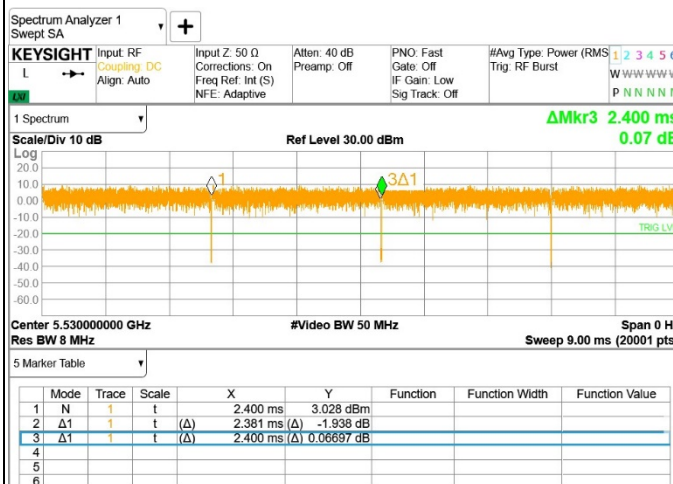
106T

242T



484T

996T/SU



2.5 26 dB and 99 % Bandwidth

[Test Data of 26 dB Bandwidth]

Band	Test Mode	Channel	Frequency [MHz]	Tones	RU offset	26 dB BW [MHz]	
						ANT1	ANT2
U-NII-1	802.11ax HE20	Lowest	5 180	26T	0	19.43	19.59
					4	18.29	18.32
					8	19.60	19.58
				242T/SU	61	22.37	21.84
		Middle	5 220	26T	0	19.52	19.43
					4	18.49	18.23
					8	19.69	19.53
				242T/SU	61	21.08	21.71
		Highest	5 240	26T	0	19.71	19.52
					4	18.27	18.07
					8	19.61	19.75
				242T/SU	61	21.11	21.75
	802.11ax HE40	Lowest	5 190	26T	0	39.67	39.71
					9	38.11	38.00
					17	39.37	39.90
				484T/SU	65	42.54	43.18
		Highest	5 230	26T	0	39.97	39.83
					9	37.88	38.07
					17	39.23	39.02
				484T/SU	65	42.78	43.03
	802.11ax HE80	Middle	5 210	26T	0	81.30	81.08
					18	78.15	78.07
					36	81.04	80.68
				996T/SU	67	86.82	86.13

Band	Test Mode	Channel	Frequency [MHz]	Tones	RU offset	26 dB BW [MHz]	
						ANT1	ANT2
U-NII-2A	802.11ax HE20	Lowest	5 260	26T	0	19.80	19.77
					4	18.41	18.31
					8	19.48	19.68
				242T/SU	61	21.18	21.88
		Middle	5 300	26T	0	19.64	19.55
					4	18.15	18.28
					8	19.70	19.67
				242T/SU	61	21.45	21.78
		Highest	5 320	26T	0	19.61	19.72
					4	18.30	17.94
					8	19.62	19.62
				242T/SU	61	21.02	21.38
	802.11ax HE40	Lowest	5 270	26T	0	39.66	39.72
					9	38.00	38.00
					17	39.52	39.53
				484T/SU	65	42.93	42.97
		Highest	5 310	26T	0	39.79	39.67
					9	38.14	38.00
					17	39.34	39.55
				484T/SU	65	43.07	43.09
	802.11ax HE80	Middle	5 290	26T	0	81.09	81.72
					18	78.42	78.25
					36	80.22	81.12
				996T/SU	67	86.99	85.47

Band	Test Mode	Channel	Frequency [MHz]	Tones	RU offset	26 dB BW [MHz]	
						ANT1	ANT2
U-NII-2C	802.11ax HE20	Lowest	5 500	26T	0	19.51	19.47
					4	18.40	18.17
					8	19.21	19.42
				242T/SU	61	21.04	21.23
		Middle	5 600	26T	0	19.55	19.62
					4	18.51	18.20
					8	19.54	19.72
				242T/SU	61	21.17	21.55
		Highest	5 700	26T	0	19.87	19.66
					4	18.50	18.19
					8	19.52	19.34
				242T/SU	61	21.00	21.44
	802.11ax HE40	Lowest	5 510	26T	0	39.78	40.05
					9	37.77	37.93
					17	39.47	39.71
				484T/SU	65	43.26	42.89
		Middle	5 590	26T	0	39.79	39.71
					9	38.18	38.00
					17	39.45	39.67
				484T/SU	65	42.73	42.14
		Highest	5 670	26T	0	39.55	39.75
					9	38.08	38.11
					17	39.55	39.66
				484T/SU	65	42.39	43.87
	802.11ax HE80	Lowest	5 530	26T	0	81.43	81.12
					18	78.51	78.05
					36	80.74	81.22
				996T/SU	67	87.38	86.04
		Highest	5 610	26T	0	81.73	81.20
					18	78.24	78.19
					36	81.08	80.39
				996T/SU	67	87.26	87.25

Band	Test Mode	Frequency [MHz]	Tones	RU offset	26 dB BW [MHz]			
					ANT1		ANT2	
					U-NII-2C	U-NII-3	U-NII-2C	U-NII-3
Straddle Channel	802.11ax HE20	5 720	26T	6	14.19	4.12	13.94	4.07
		5 720	242T/SU	61	15.66	5.48	15.83	5.68
	802.11ax HE40	5 710	26T	16	34.01	3.95	33.95	4.07
		5 710	484T/SU	65	35.99	6.02	36.75	6.34
	802.11ax HE80	5 690	26T	35	74.08	5.47	73.97	6.05
		5 690	996T/SU	67	76.86	7.75	77.56	7.62

[Test Data of 99 % Bandwidth]

Band	Test Mode	Channel	Frequency [MHz]	Tones	RU offset	99 % BW [MHz]	
						ANT1	ANT2
U-NII-1	802.11ax HE20	Lowest	5 180	242T/SU	61	18.96	18.98
		Middle	5 220			18.95	19.00
		Highest	5 240			18.95	18.98
	802.11ax HE40	Lowest	5 190	484T/SU	65	37.93	37.94
		Highest	5 230			38.00	37.92
	802.11ax HE80	Middle	5 210	996T/SU	67	77.67	77.55
U-NII-2A	802.11ax HE20	Lowest	5 260	242T/SU	61	18.96	18.99
		Middle	5 300			18.96	18.98
		Highest	5 320			18.96	18.99
	802.11ax HE40	Lowest	5 270	484T/SU	65	37.95	37.96
		Highest	5 310			37.92	37.95
	802.11ax HE80	Middle	5 290	996T/SU	67	77.65	77.61
U-NII-2C	802.11ax HE20	Lowest	5 500	242T/SU	61	18.94	18.99
		Middle	5 600			18.95	18.98
		Highest	5 700			18.95	18.98
	802.11ax HE40	Lowest	5 510	484T/SU	65	37.93	37.92
		Middle	5 590			37.99	37.95
		Highest	5 670			37.99	37.94
	802.11ax HE80	Lowest	5 530	996T/SU	67	77.57	77.44
		Highest	5 610			77.56	77.67
Straddle	802.11ax HE20	Middle	5 720	242T/SU	61	18.96	18.96
	802.11ax HE40	Middle	5 710	484T/SU	65	37.77	37.79
	802.11ax HE80	Middle	5 690	996T/SU	67	77.26	77.28
U-NII-3	802.11ax HE20	Lowest	5 745	242T/SU	61	18.94	18.99
		Middle	5 805			18.94	18.97
		Highest	5 825			18.95	18.96
	802.11ax HE40	Lowest	5 755	484T/SU	65	37.92	37.91
		Highest	5 795			37.91	37.94
	802.11ax HE80	Middle	5 775	996T/SU	67	77.51	77.51



Test Plot of 26 dB & 99 % Bandwidth

Band		UNII-1																								
Mode		HE20																								
Frequency		5220 MHz																								
Ant		1																								
0RU		4RU																								
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm  Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.308 MHz</td><td>Total Power</td><td>20.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-585.58 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>19.52 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>		Occupied Bandwidth	18.308 MHz	Total Power	20.6 dBm	Transmit Freq Error	-585.58 kHz	% of OBW Power	99.00 %	x dB Bandwidth	19.52 MHz	x dB	-26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm  Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.395 MHz</td><td>Total Power</td><td>20.5 dBm</td></tr><tr><td>Transmit Freq Error</td><td>214.61 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>18.49 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	16.395 MHz	Total Power	20.5 dBm	Transmit Freq Error	214.61 kHz	% of OBW Power	99.00 %	x dB Bandwidth	18.49 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.308 MHz	Total Power	20.6 dBm																							
Transmit Freq Error	-585.58 kHz	% of OBW Power	99.00 %																							
x dB Bandwidth	19.52 MHz	x dB	-26.00 dB																							
Occupied Bandwidth	16.395 MHz	Total Power	20.5 dBm																							
Transmit Freq Error	214.61 kHz	% of OBW Power	99.00 %																							
x dB Bandwidth	18.49 MHz	x dB	-26.00 dB																							
8RU		SU																								
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm  Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.252 MHz</td><td>Total Power</td><td>20.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>612.83 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>19.69 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>		Occupied Bandwidth	18.252 MHz	Total Power	20.7 dBm	Transmit Freq Error	612.83 kHz	% of OBW Power	99.00 %	x dB Bandwidth	19.69 MHz	x dB	-26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm  Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.954 MHz</td><td>Total Power</td><td>22.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-11.753 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>21.08 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	18.954 MHz	Total Power	22.7 dBm	Transmit Freq Error	-11.753 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.08 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.252 MHz	Total Power	20.7 dBm																							
Transmit Freq Error	612.83 kHz	% of OBW Power	99.00 %																							
x dB Bandwidth	19.69 MHz	x dB	-26.00 dB																							
Occupied Bandwidth	18.954 MHz	Total Power	22.7 dBm																							
Transmit Freq Error	-11.753 kHz	% of OBW Power	99.00 %																							
x dB Bandwidth	21.08 MHz	x dB	-26.00 dB																							



BUREAU
VERITAS

Band	UNII-1
Mode	HE20
Frequency	5240 MHz
Ant	1
0RU	4RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.240000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.132 MHz Total Power 20.7 dBm Transmit Freq Error -705.72 kHz % of OBW Power 99.00 % x dB Bandwidth 19.71 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.240000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 17.186 MHz Total Power 20.7 dBm Transmit Freq Error 11.447 kHz % of OBW Power 99.00 % x dB Bandwidth 18.27 MHz x dB -26.00 dB
8RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.240000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.330 MHz Total Power 20.5 dBm Transmit Freq Error 521.45 kHz % of OBW Power 99.00 % x dB Bandwidth 19.61 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.240000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.950 MHz Total Power 22.3 dBm Transmit Freq Error -18.527 kHz % of OBW Power 99.00 % x dB Bandwidth 21.11 MHz x dB -26.00 dB



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Band	UNII-1
Mode	HE40
Frequency	5190 MHz
Ant	1
0RU	9RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.729 MHz Total Power 21.0 dBm Transmit Freq Error -702.60 kHz % of OBW Power 99.00 % x dB Bandwidth 39.67 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 35.754 MHz Total Power 21.5 dBm Transmit Freq Error 123.64 kHz % of OBW Power 99.00 % x dB Bandwidth 38.11 MHz x dB -26.00 dB
17RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.439 MHz Total Power 21.0 dBm Transmit Freq Error 845.08 kHz % of OBW Power 99.00 % x dB Bandwidth 39.37 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.931 MHz Total Power 20.7 dBm Transmit Freq Error 7.461 kHz % of OBW Power 99.00 % x dB Bandwidth 42.54 MHz x dB -26.00 dB



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Band	UNII-1
Mode	HE40
Frequency	5230 MHz
Ant	1
0RU	9RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.780 MHz Total Power 20.8 dBm Transmit Freq Error -695.28 kHz % of OBW Power 99.00 % x dB Bandwidth 39.97 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 35.939 MHz Total Power 21.3 dBm Transmit Freq Error 10.011 kHz % of OBW Power 99.00 % x dB Bandwidth 37.88 MHz x dB -26.00 dB
17RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.604 MHz Total Power 21.4 dBm Transmit Freq Error 661.13 kHz % of OBW Power 99.00 % x dB Bandwidth 39.23 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 20.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.998 MHz Total Power 20.9 dBm Transmit Freq Error -37.528 kHz % of OBW Power 99.00 % x dB Bandwidth 42.78 MHz x dB -26.00 dB



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VERITAS

Band	UNII-1
Mode	HE80
Frequency	5210 MHz
Ant	1
0RU	18RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 78.357 MHz Total Power 21.8 dBm Transmit Freq Error -1.4080 MHz % of OBW Power 99.00 % x dB Bandwidth 81.30 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 74.892 MHz Total Power 22.2 dBm Transmit Freq Error 30.442 kHz % of OBW Power 99.00 % x dB Bandwidth 78.15 MHz x dB -26.00 dB
36RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 77.792 MHz Total Power 22.3 dBm Transmit Freq Error 1.3880 MHz % of OBW Power 99.00 % x dB Bandwidth 81.04 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 77.674 MHz Total Power 20.4 dBm Transmit Freq Error -50.061 kHz % of OBW Power 99.00 % x dB Bandwidth 86.82 MHz x dB -26.00 dB



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Band	UNII-1
Mode	HE20
Frequency	5180 MHz
Ant	2
0RU	4RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.18000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.18000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.251 MHz Total Power 20.3 dBm Transmit Freq Error -577.80 kHz % of OBW Power 99.00 % x dB Bandwidth 19.59 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.18000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.18000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 16.928 MHz Total Power 21.0 dBm Transmit Freq Error 60.635 kHz % of OBW Power 99.00 % x dB Bandwidth 18.32 MHz x dB -26.00 dB
8RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.18000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.18000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.228 MHz Total Power 20.3 dBm Transmit Freq Error 626.87 kHz % of OBW Power 99.00 % x dB Bandwidth 19.58 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.18000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.18000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.978 MHz Total Power 22.4 dBm Transmit Freq Error -28.731 kHz % of OBW Power 99.00 % x dB Bandwidth 21.84 MHz x dB -26.00 dB



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Band	UNII-1
Mode	HE20
Frequency	5220 MHz
Ant	2
0RU	4RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.227 MHz Total Power 20.5 dBm Transmit Freq Error -574.22 kHz % of OBW Power 99.00 % x dB Bandwidth 19.43 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 16.944 MHz Total Power 20.2 dBm Transmit Freq Error -81.754 kHz % of OBW Power 99.00 % x dB Bandwidth 18.23 MHz x dB -26.00 dB
8RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.281 MHz Total Power 20.3 dBm Transmit Freq Error 565.70 kHz % of OBW Power 99.00 % x dB Bandwidth 19.53 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.220000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.22000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.998 MHz Total Power 22.3 dBm Transmit Freq Error -13.592 kHz % of OBW Power 99.00 % x dB Bandwidth 21.71 MHz x dB -26.00 dB



BUREAU
VERITAS

Band	UNII-1
Mode	HE20
Frequency	5240 MHz
Ant	2
0RU	4RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.24000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.255 MHz Total Power 20.4 dBm Transmit Freq Error -590.58 kHz % of OBW Power 99.00 % x dB Bandwidth 19.52 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.24000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 16.947 MHz Total Power 20.7 dBm Transmit Freq Error -26.331 kHz % of OBW Power 99.00 % x dB Bandwidth 18.07 MHz x dB -26.00 dB
8RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.24000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.280 MHz Total Power 20.3 dBm Transmit Freq Error 581.48 kHz % of OBW Power 99.00 % x dB Bandwidth 19.75 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.24000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.24000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.982 MHz Total Power 22.2 dBm Transmit Freq Error -30.632 kHz % of OBW Power 99.00 % x dB Bandwidth 21.75 MHz x dB -26.00 dB



BUREAU
VERITAS

Band	UNII-1
Mode	HE40
Frequency	5190 MHz
Ant	2
0RU	9RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.835 MHz Total Power 20.9 dBm Transmit Freq Error -740.41 kHz % of OBW Power 99.00 % x dB Bandwidth 39.71 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 36.043 MHz Total Power 21.4 dBm Transmit Freq Error -187.67 kHz % of OBW Power 99.00 % x dB Bandwidth 38.00 MHz x dB -26.00 dB
17RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.470 MHz Total Power 21.1 dBm Transmit Freq Error 714.55 kHz % of OBW Power 99.00 % x dB Bandwidth 39.90 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.19000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.19000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.935 MHz Total Power 20.7 dBm Transmit Freq Error -11.125 kHz % of OBW Power 99.00 % x dB Bandwidth 43.18 MHz x dB -26.00 dB



BUREAU
VERITAS

Band	UNII-1
Mode	HE40
Frequency	5230 MHz
Ant	2
0RU	9RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.709 MHz Total Power 20.6 dBm Transmit Freq Error -739.89 kHz % of OBW Power 99.00 % x dB Bandwidth 39.83 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 36.060 MHz Total Power 21.2 dBm Transmit Freq Error -126.98 kHz % of OBW Power 99.00 % x dB Bandwidth 38.07 MHz x dB -26.00 dB
17RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.086 MHz Total Power 20.8 dBm Transmit Freq Error 1.0326 MHz % of OBW Power 99.00 % x dB Bandwidth 39.02 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.230000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.23000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 37.922 MHz Total Power 20.9 dBm Transmit Freq Error -1.587 kHz % of OBW Power 99.00 % x dB Bandwidth 43.03 MHz x dB -26.00 dB



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VERITAS

Band	UNII-1
Mode	HE80
Frequency	5180 MHz
Ant	2
0RU	18RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 77.951 MHz Total Power 22.0 dBm Transmit Freq Error -1.5907 MHz % of OBW Power 99.00 % x dB Bandwidth 81.08 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 74.640 MHz Total Power 22.2 dBm Transmit Freq Error 36.849 kHz % of OBW Power 99.00 % x dB Bandwidth 78.07 MHz x dB -26.00 dB
36RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 77.733 MHz Total Power 22.0 dBm Transmit Freq Error 1.3459 MHz % of OBW Power 99.00 % x dB Bandwidth 80.68 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.210000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.21000 GHz #Res BW 820.00 kHz #Video BW 2.4000 MHz Span 160 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 77.545 MHz Total Power 19.9 dBm Transmit Freq Error 21.726 kHz % of OBW Power 99.00 % x dB Bandwidth 86.13 MHz x dB -26.00 dB



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Band	UNII-2A
Mode	HE20
Frequency	5260 MHz
Ant	1
0RU	4RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.260000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.26000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.355 MHz Total Power 20.7 dBm Transmit Freq Error -568.42 kHz % of OBW Power 99.00 % x dB Bandwidth 19.80 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.260000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.26000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 16.987 MHz Total Power 20.7 dBm Transmit Freq Error -64.472 kHz % of OBW Power 99.00 % x dB Bandwidth 18.41 MHz x dB -26.00 dB
8RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.260000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.26000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.281 MHz Total Power 20.8 dBm Transmit Freq Error 533.94 kHz % of OBW Power 99.00 % x dB Bandwidth 19.48 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.260000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.26000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.958 MHz Total Power 22.5 dBm Transmit Freq Error -16.845 kHz % of OBW Power 99.00 % x dB Bandwidth 21.18 MHz x dB -26.00 dB



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VERITAS

Band	UNII-2A
Mode	HE20
Frequency	5300 MHz
Ant	1
0RU	4RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.300000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.30000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.348 MHz Total Power 20.3 dBm Transmit Freq Error -585.78 kHz % of OBW Power 99.00 % x dB Bandwidth 19.64 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.300000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.30000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 17.111 MHz Total Power 20.3 dBm Transmit Freq Error -36.588 kHz % of OBW Power 99.00 % x dB Bandwidth 18.15 MHz x dB -26.00 dB
8RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.300000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.30000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.374 MHz Total Power 19.8 dBm Transmit Freq Error 513.88 kHz % of OBW Power 99.00 % x dB Bandwidth 19.70 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.300000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 65.0 Ref Value 25.00 dBm Center 5.30000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.964 MHz Total Power 22.1 dBm Transmit Freq Error -20.727 kHz % of OBW Power 99.00 % x dB Bandwidth 21.45 MHz x dB -26.00 dB



BUREAU
VERITAS

Band	UNII-2A
Mode	HE20
Frequency	5320 MHz
Ant	1
0RU	4RU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.32000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.32000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.250 MHz Total Power 20.2 dBm Transmit Freq Error -614.93 kHz % of OBW Power 99.00 % x dB Bandwidth 19.61 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.32000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.32000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 17.131 MHz Total Power 19.8 dBm Transmit Freq Error 17.303 kHz % of OBW Power 99.00 % x dB Bandwidth 18.30 MHz x dB -26.00 dB
8RU	SU
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.32000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.32000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.336 MHz Total Power 20.0 dBm Transmit Freq Error 518.35 kHz % of OBW Power 99.00 % x dB Bandwidth 19.62 MHz x dB -26.00 dB	Spectrum Analyzer 1 Occupied BW KEYSIGHT Input RF Coupling DC Align: Auto Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.32000000 GHz Avg/Hold: 500/500 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Value 25.00 dBm Center 5.32000 GHz #Res BW 200.00 kHz #Video BW 620.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 18.959 MHz Total Power 21.7 dBm Transmit Freq Error -14.549 kHz % of OBW Power 99.00 % x dB Bandwidth 21.02 MHz x dB -26.00 dB